

Report No.:

Test Time: 2023/6/28 22:36

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category:  
Lamp Catalog:  
Number of Lamps:  
Luminous Length (mm):  
Luminous Height (mm):  
Current: 0.475 A  
Power Factor: 0.917

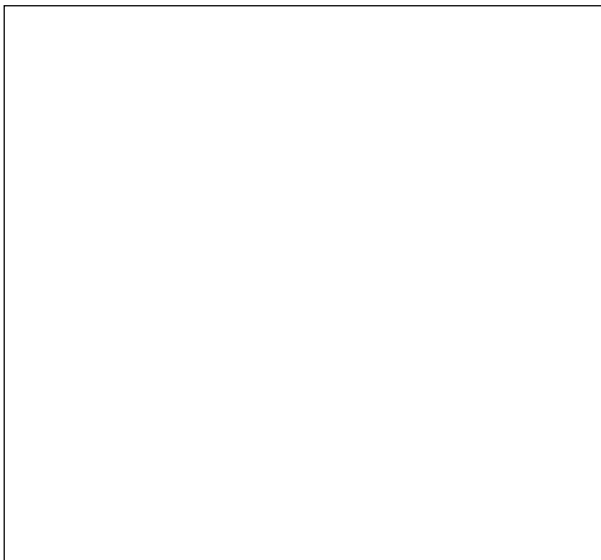
Luminaire Description:  
Lamp Description:  
Lumens per Lamp:  
Luminous Width (mm):  
Voltage: 277.0 V  
Power: 120.67 W

## Photometric Results

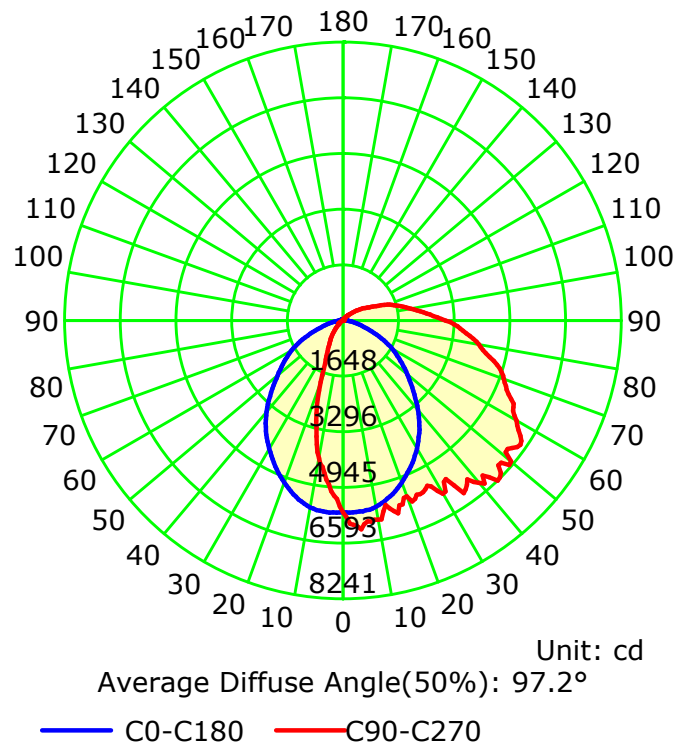
IES Classification: Type IV  
Total Rated Lamp Lumens: 16859.3 lm  
Efficiency: 100%  
Upward Ratio: 11%  
C0r0 Intensity: 5682.9 cd  
Pos of Max. Intensity: H90 V44  
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 92.6, 101.9, 94.0, 95.4

Longitudinal Classification: Very Short  
Measurement Flux: 16859.3 lm  
Downward Ratio: 89%  
Luminaire Efficacy Rating (LER): 139.76  
Max. Intensity: 6593.35 cd

Picture Of Luminaire



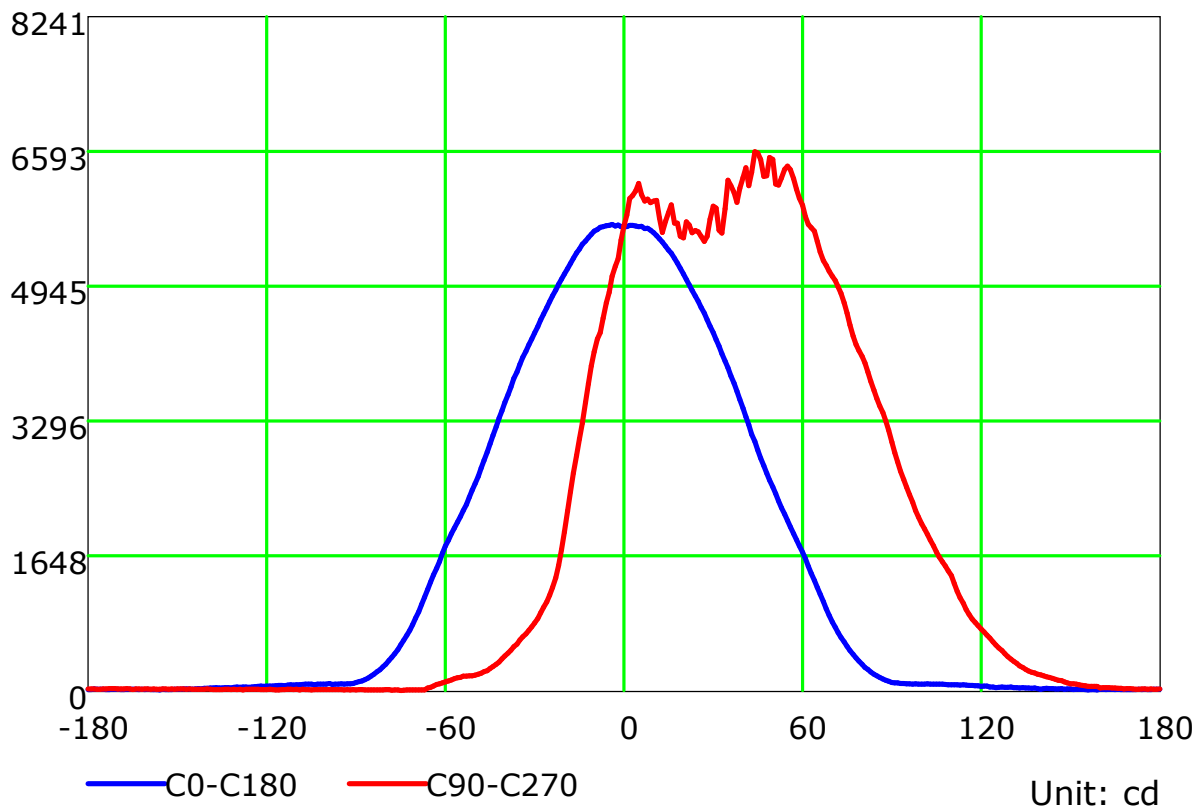
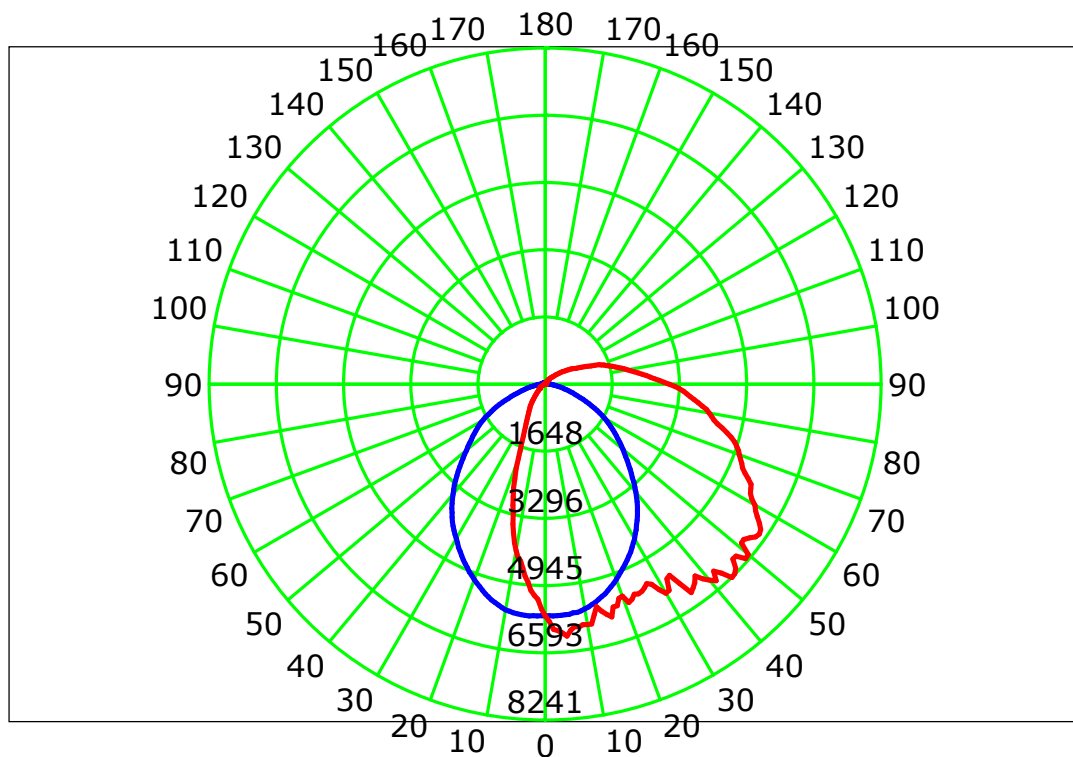
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.3 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

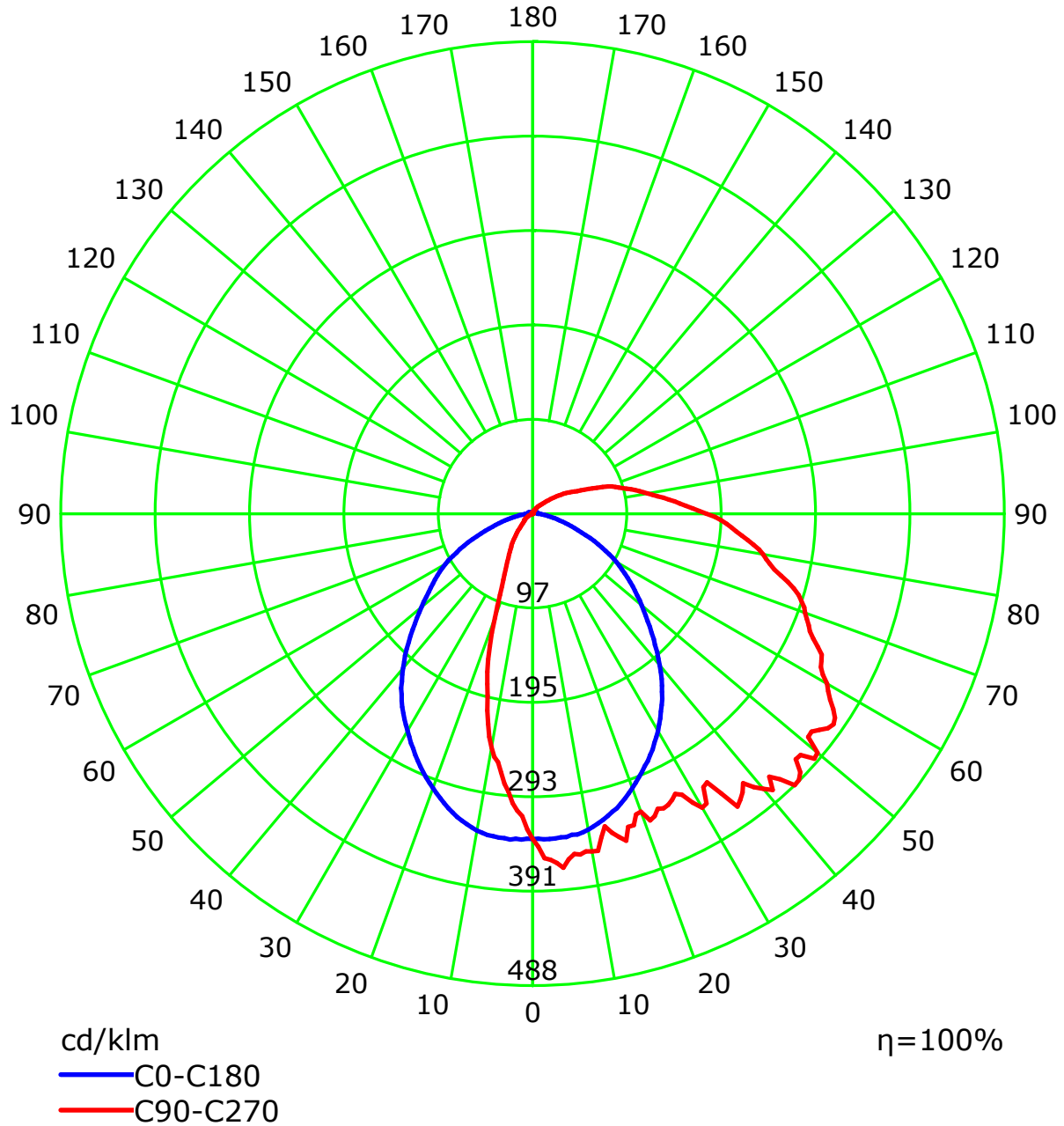
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.3 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

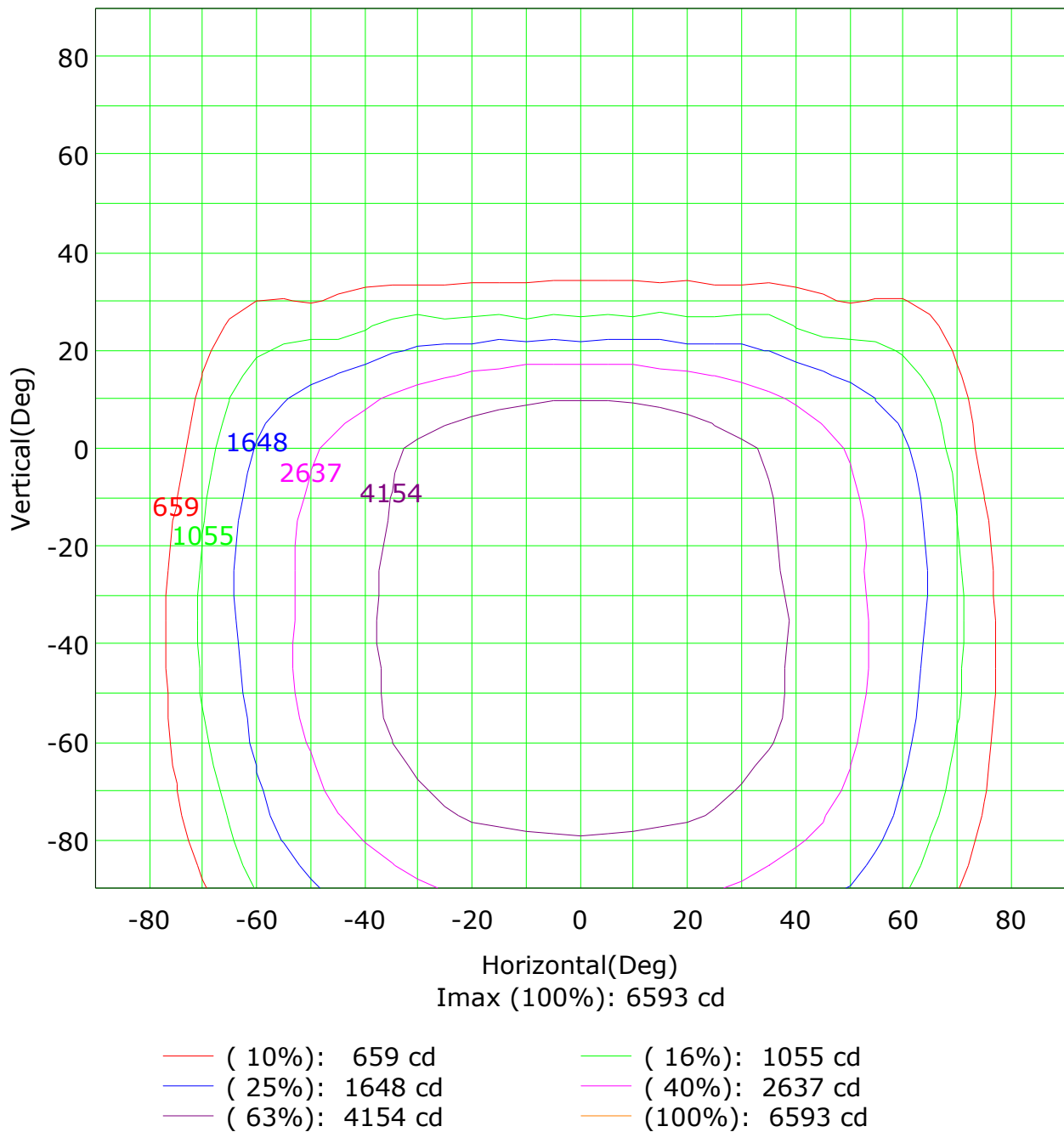
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.3 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

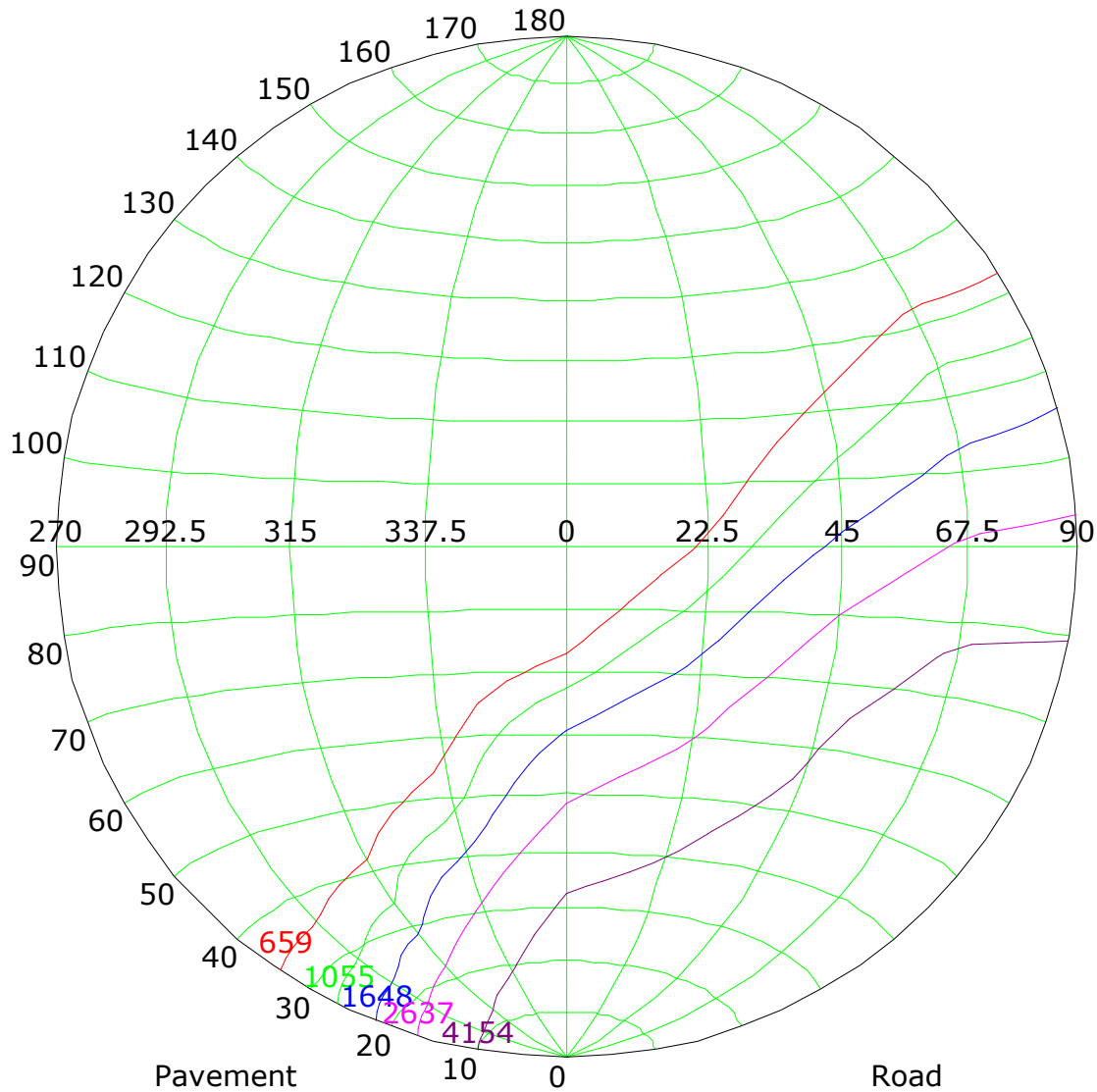
## Isocandela (rectangle)



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.3 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (sphere)



Imax (100%): 6593 cd

( 10%): 659 cd  
( 25%): 1648 cd  
( 63%): 4154 cd

( 16%): 1055 cd  
( 40%): 2637 cd  
(100%): 6593 cd

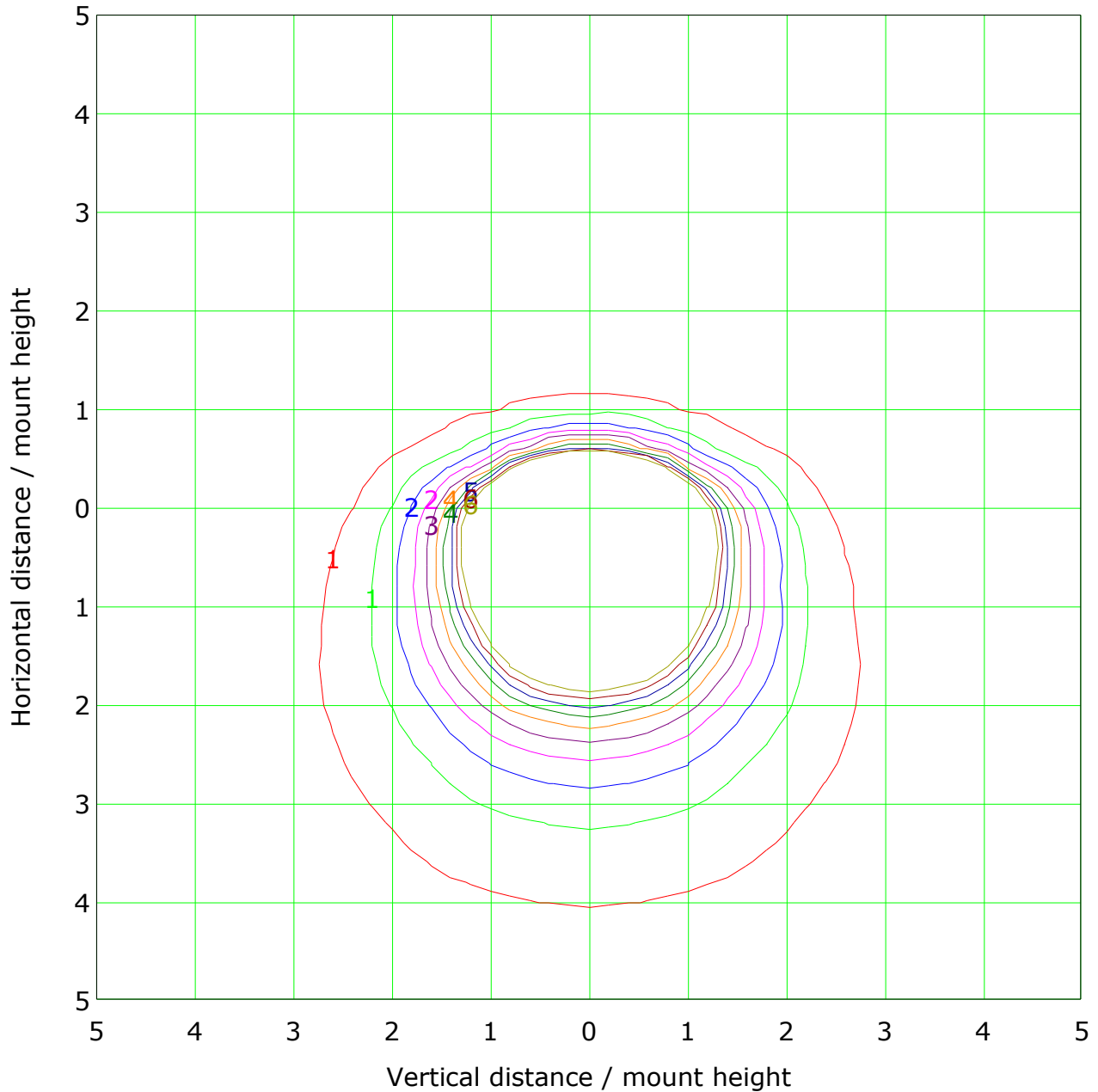
CIE: broad - short  
CIE: Non-cut-off luminaire  
Max.At90: 180.362 cd/klm

IES: Non-cut-off  
Max.At80: 242.489 cd/klm  
Max.80-90: 242.489 cd/klm

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.3 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## IsoLux Plot



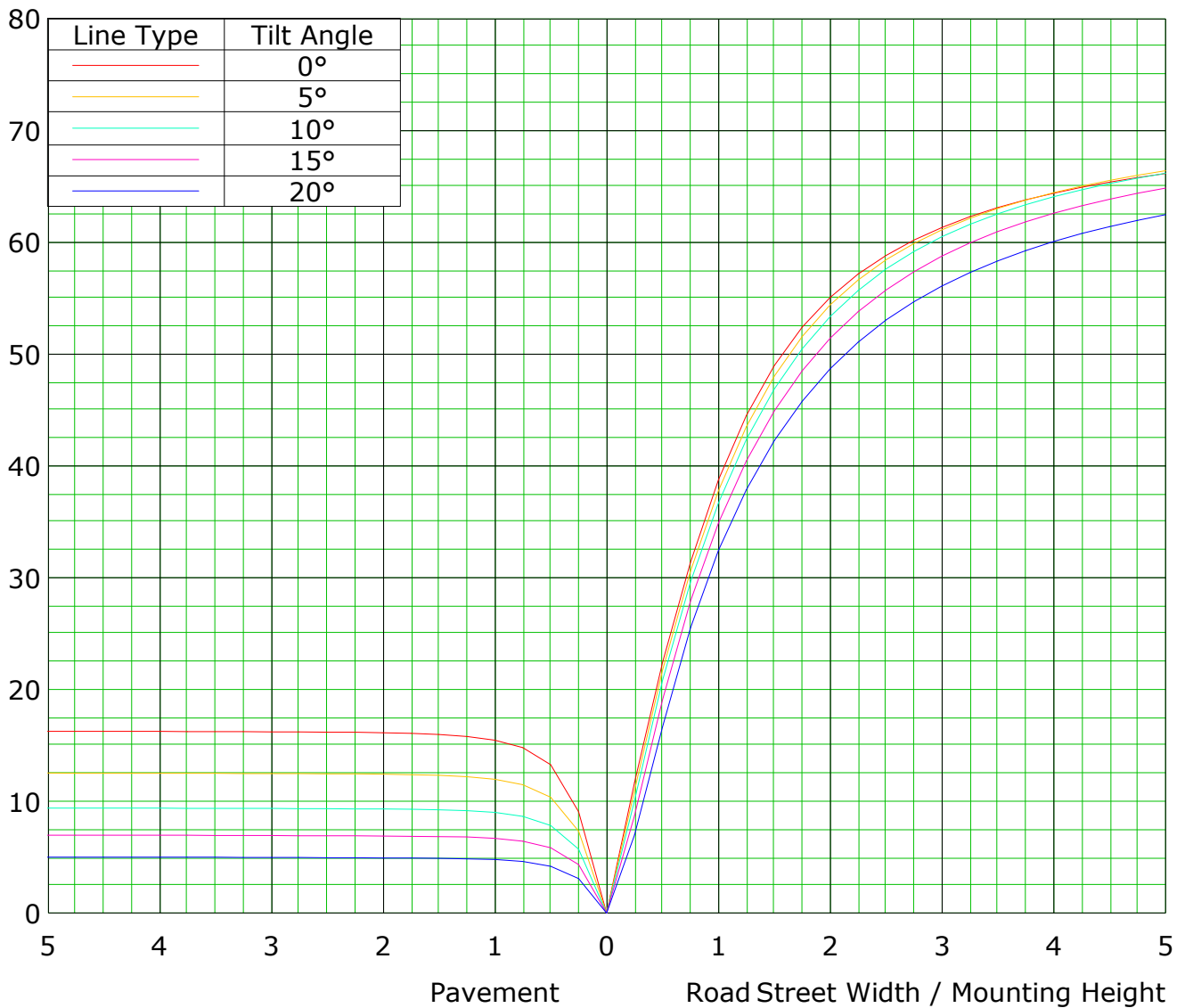
|  |                |
|--|----------------|
| Mounting Height: 10.0m    Max Lux(100%): 61.3 lx |                |
| ( 1%): 0.6 lx                                    | ( 2%): 1.2 lx  |
| ( 3%): 1.8 lx                                    | ( 4%): 2.5 lx  |
| ( 5%): 3.1 lx                                    | ( 6%): 3.7 lx  |
| ( 7%): 4.3 lx                                    | ( 8%): 4.9 lx  |
| ( 9%): 5.5 lx                                    | ( 10%): 6.1 lx |

C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.3 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Roadway CU Curve

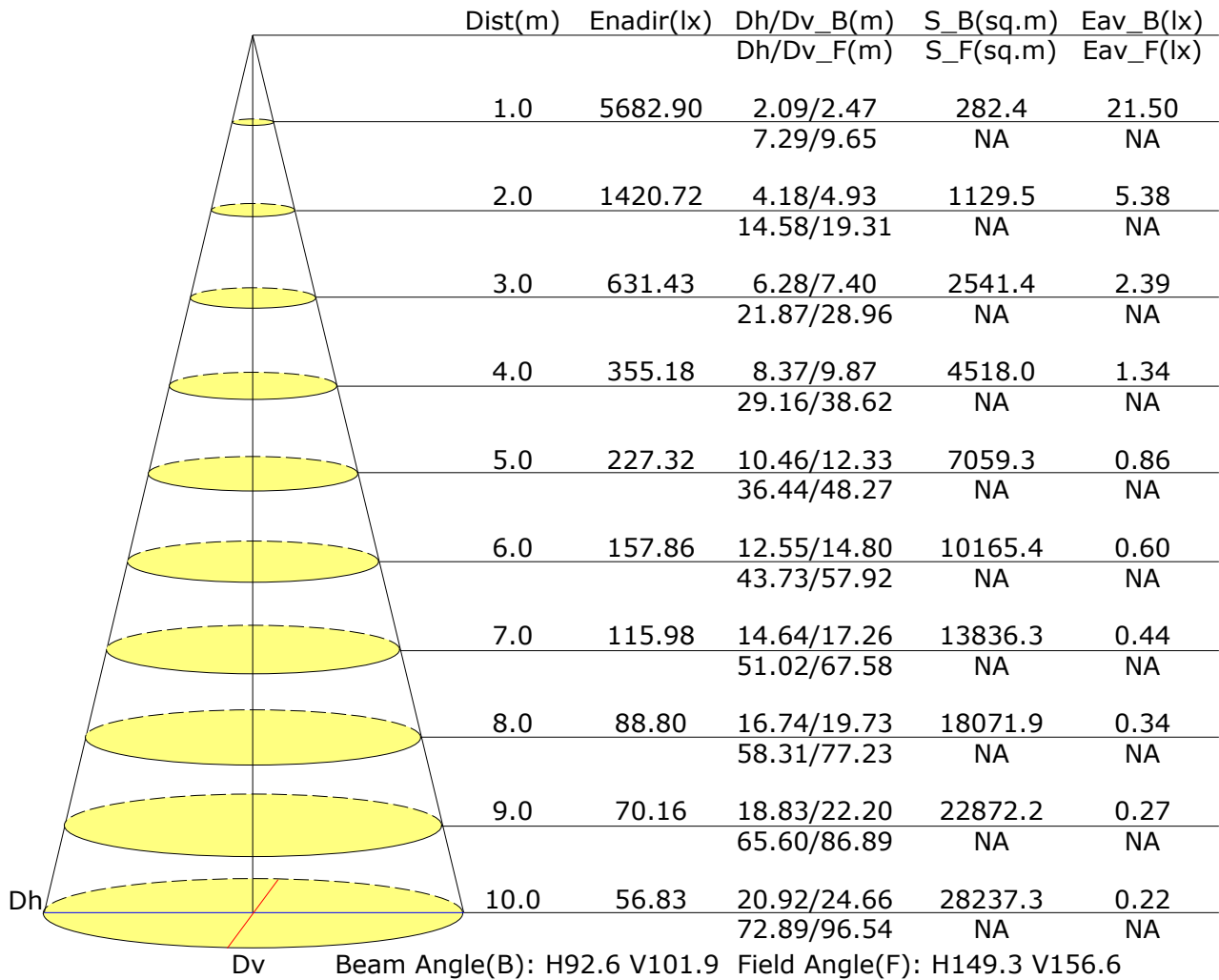
Efficiency(%)



C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.3 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Illuminance at a Distance

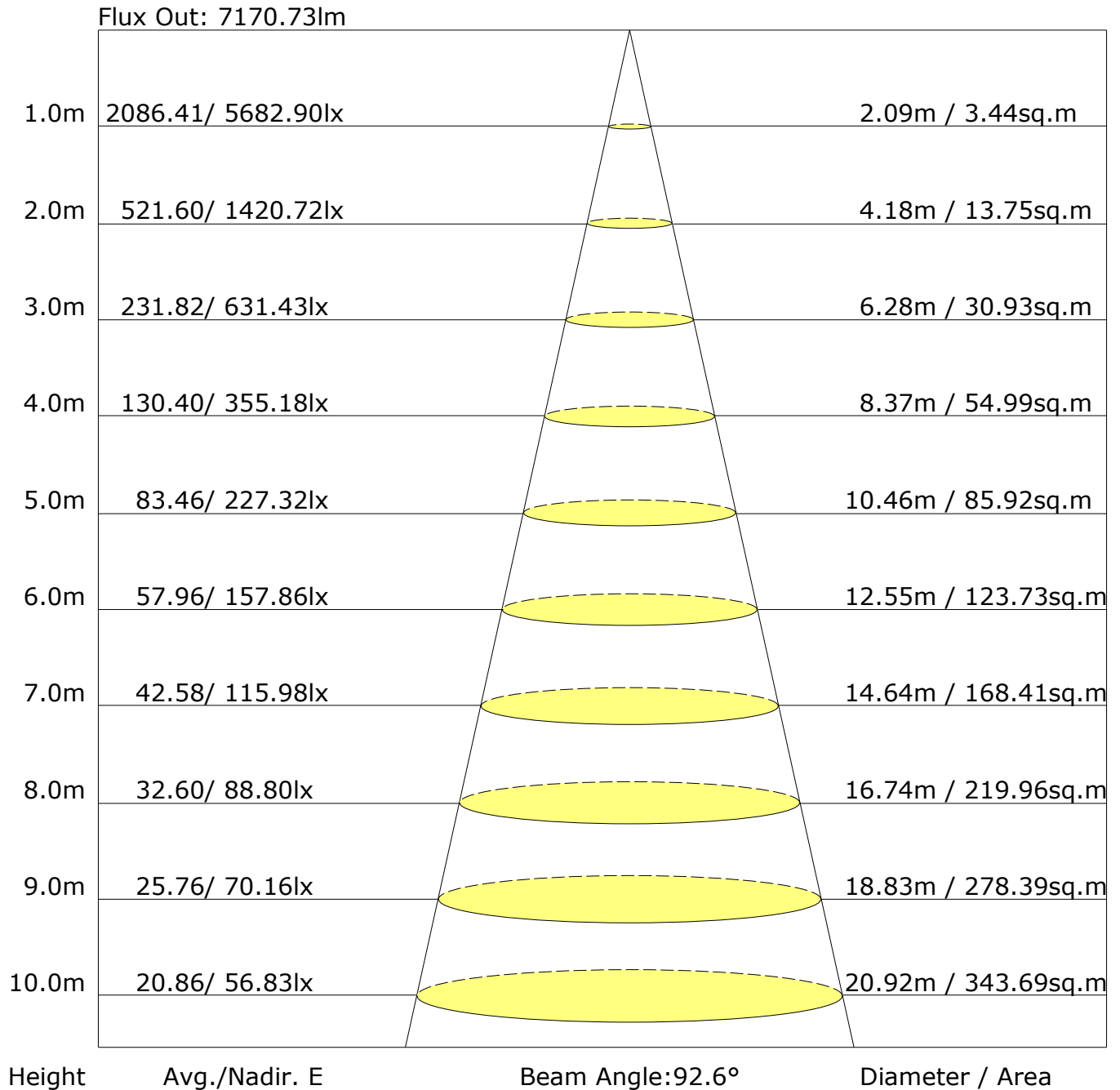


C Plane (°):0.0-360.0: 22.5  
Test Lab:  
Test Type: TYPE C  
Temperature: 25.3 'C  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:



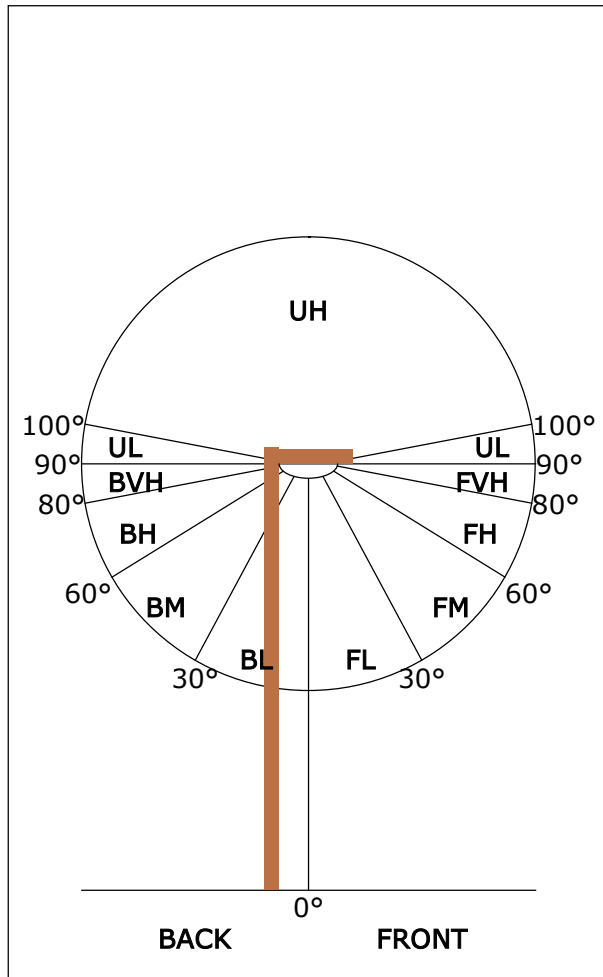
## The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 °C  
 Operator:

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



| ZONE           | LUMENS | % LAMP LUMENS |
|----------------|--------|---------------|
| FORWARD LIGHT  | 12228  | 72.5          |
| FL ( 0°-30°)   | 2331   | 13.8          |
| FM (30°-60°)   | 5402   | 32.0          |
| FH (60°-80°)   | 3350   | 19.9          |
| FVH (80°-90°)  | 1145   | 6.8           |
| BACK LIGHT     | 2722   | 16.1          |
| BL ( 0°-30°)   | 1366   | 8.1           |
| BM (30°-60°)   | 1106   | 6.6           |
| BH (60°-80°)   | 220    | 1.3           |
| BVH (80°-90°)  | 30     | 0.2           |
| UP LIGHT       | 1909   | 11.3          |
| UL (90°-100°)  | 793    | 4.7           |
| UH (100°-180°) | 1117   | 6.6           |
| TRAPPED LIGHT  | NA     | NA            |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07             |          |
|--|----------|
| Asymmetrical Luminaire Types<br>(Type I,II,III,IV)               | B3 U5 G5 |
| Quadrilateral Symmetrical Luminaire Types<br>(Type V,Area Light) | B3 U5 G5 |

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Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-3000  
Distance: 14.140 m [K=1.0000]  
Humidity:  
Inspector:

## Zonal Lumen

| Gamma<br>[°] | I <sub>mean</sub><br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------------------|--------------------|------------------------|-----------------------|---------------------------|
| 0.0-1.0      | 5674.3                    | 5.4                | 5.4                    | 0.03                  | 0.03                      |
| 1.0-2.0      | 5662.5                    | 16.3               | 21.7                   | 0.10                  | 0.13                      |
| 2.0-3.0      | 5651.5                    | 27.0               | 48.7                   | 0.16                  | 0.29                      |
| 3.0-4.0      | 5635.7                    | 37.7               | 86.4                   | 0.22                  | 0.51                      |
| 4.0-5.0      | 5616.1                    | 48.3               | 134.8                  | 0.29                  | 0.80                      |
| 5.0-6.0      | 5576.8                    | 58.6               | 193.4                  | 0.35                  | 1.15                      |
| 6.0-7.0      | 5512.2                    | 68.4               | 261.8                  | 0.41                  | 1.55                      |
| 7.0-8.0      | 5442.2                    | 77.9               | 339.7                  | 0.46                  | 2.01                      |
| 8.0-9.0      | 5385.9                    | 87.3               | 427.0                  | 0.52                  | 2.53                      |
| 9.0-10.0     | 5331.2                    | 96.5               | 523.5                  | 0.57                  | 3.11                      |
| 10.0-11.0    | 5271.1                    | 105.3              | 628.8                  | 0.62                  | 3.73                      |
| 11.0-12.0    | 5203.7                    | 113.8              | 742.6                  | 0.67                  | 4.40                      |
| 12.0-13.0    | 5105.3                    | 121.2              | 863.8                  | 0.72                  | 5.12                      |
| 13.0-14.0    | 4994.2                    | 127.9              | 991.6                  | 0.76                  | 5.88                      |
| 14.0-15.0    | 4912.1                    | 134.9              | 1126.5                 | 0.80                  | 6.68                      |
| 15.0-16.0    | 4845.9                    | 142.0              | 1268.5                 | 0.84                  | 7.52                      |
| 16.0-17.0    | 4752.7                    | 148.0              | 1416.5                 | 0.88                  | 8.40                      |
| 17.0-18.0    | 4635.7                    | 152.9              | 1569.4                 | 0.91                  | 9.31                      |
| 18.0-19.0    | 4523.7                    | 157.4              | 1726.8                 | 0.93                  | 10.24                     |
| 19.0-20.0    | 4417.8                    | 161.7              | 1888.5                 | 0.96                  | 11.20                     |
| 20.0-21.0    | 4323.7                    | 166.0              | 2054.6                 | 0.98                  | 12.19                     |
| 21.0-22.0    | 4239.7                    | 170.4              | 2225.0                 | 1.01                  | 13.20                     |
| 22.0-23.0    | 4148.8                    | 174.1              | 2399.1                 | 1.03                  | 14.23                     |
| 23.0-24.0    | 4047.9                    | 177.0              | 2576.1                 | 1.05                  | 15.28                     |
| 24.0-25.0    | 3949.2                    | 179.6              | 2755.7                 | 1.07                  | 16.35                     |
| 25.0-26.0    | 3865.0                    | 182.5              | 2938.1                 | 1.08                  | 17.43                     |
| 26.0-27.0    | 3786.3                    | 185.3              | 3123.4                 | 1.10                  | 18.53                     |
| 27.0-28.0    | 3716.1                    | 188.2              | 3311.6                 | 1.12                  | 19.64                     |
| 28.0-29.0    | 3658.7                    | 191.4              | 3503.0                 | 1.14                  | 20.78                     |
| 29.0-30.0    | 3605.5                    | 194.7              | 3697.7                 | 1.15                  | 21.93                     |
| 30.0-31.0    | 3548.8                    | 197.5              | 3895.2                 | 1.17                  | 23.10                     |
| 31.0-32.0    | 3490.4                    | 200.0              | 4095.2                 | 1.19                  | 24.29                     |
| 32.0-33.0    | 3432.8                    | 202.3              | 4297.5                 | 1.20                  | 25.49                     |
| 33.0-34.0    | 3377.4                    | 204.4              | 4501.9                 | 1.21                  | 26.70                     |
| 34.0-35.0    | 3327.7                    | 206.7              | 4708.6                 | 1.23                  | 27.93                     |
| 35.0-36.0    | 3282.1                    | 209.0              | 4917.6                 | 1.24                  | 29.17                     |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

| Gamma<br>[°] | Imean<br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 36.0-37.0    | 3242.3        | 211.5              | 5129.1                 | 1.25                  | 30.42                     |
| 37.0-38.0    | 3203.6        | 213.9              | 5343.0                 | 1.27                  | 31.69                     |
| 38.0-39.0    | 3158.3        | 215.6              | 5558.6                 | 1.28                  | 32.97                     |
| 39.0-40.0    | 3111.8        | 217.1              | 5775.6                 | 1.29                  | 34.26                     |
| 40.0-41.0    | 3072.0        | 218.8              | 5994.4                 | 1.30                  | 35.56                     |
| 41.0-42.0    | 3024.4        | 219.8              | 6214.2                 | 1.30                  | 36.86                     |
| 42.0-43.0    | 2976.8        | 220.5              | 6434.7                 | 1.31                  | 38.17                     |
| 43.0-44.0    | 2937.3        | 221.7              | 6656.4                 | 1.32                  | 39.48                     |
| 44.0-45.0    | 2912.0        | 223.8              | 6880.2                 | 1.33                  | 40.81                     |
| 45.0-46.0    | 2887.6        | 225.9              | 7106.1                 | 1.34                  | 42.15                     |
| 46.0-47.0    | 2826.1        | 224.8              | 7330.9                 | 1.33                  | 43.48                     |
| 47.0-48.0    | 2754.0        | 222.7              | 7553.6                 | 1.32                  | 44.80                     |
| 48.0-49.0    | 2706.1        | 222.3              | 7775.8                 | 1.32                  | 46.12                     |
| 49.0-50.0    | 2680.5        | 223.5              | 7999.3                 | 1.33                  | 47.45                     |
| 50.0-51.0    | 2652.3        | 224.4              | 8223.8                 | 1.33                  | 48.78                     |
| 51.0-52.0    | 2604.9        | 223.6              | 8447.3                 | 1.33                  | 50.10                     |
| 52.0-53.0    | 2553.1        | 222.1              | 8669.4                 | 1.32                  | 51.42                     |
| 53.0-54.0    | 2509.0        | 221.2              | 8890.6                 | 1.31                  | 52.73                     |
| 54.0-55.0    | 2473.3        | 220.8              | 9111.4                 | 1.31                  | 54.04                     |
| 55.0-56.0    | 2447.1        | 221.2              | 9332.6                 | 1.31                  | 55.36                     |
| 56.0-57.0    | 2420.0        | 221.3              | 9553.9                 | 1.31                  | 56.67                     |
| 57.0-58.0    | 2376.4        | 219.8              | 9773.7                 | 1.30                  | 57.97                     |
| 58.0-59.0    | 2321.4        | 217.1              | 9990.7                 | 1.29                  | 59.26                     |
| 59.0-60.0    | 2270.2        | 214.5              | 10205.2                | 1.27                  | 60.53                     |
| 60.0-61.0    | 2222.5        | 212.1              | 10417.3                | 1.26                  | 61.79                     |
| 61.0-62.0    | 2175.3        | 209.6              | 10627.0                | 1.24                  | 63.03                     |
| 62.0-63.0    | 2131.2        | 207.3              | 10834.3                | 1.23                  | 64.26                     |
| 63.0-64.0    | 2082.1        | 204.3              | 11038.6                | 1.21                  | 65.48                     |
| 64.0-65.0    | 2026.4        | 200.6              | 11239.2                | 1.19                  | 66.66                     |
| 65.0-66.0    | 1971.6        | 196.7              | 11435.9                | 1.17                  | 67.83                     |
| 66.0-67.0    | 1916.5        | 192.7              | 11628.7                | 1.14                  | 68.97                     |
| 67.0-68.0    | 1862.9        | 188.7              | 11817.4                | 1.12                  | 70.09                     |
| 68.0-69.0    | 1809.4        | 184.6              | 12002.0                | 1.10                  | 71.19                     |
| 69.0-70.0    | 1756.4        | 180.4              | 12182.4                | 1.07                  | 72.26                     |
| 70.0-71.0    | 1710.5        | 176.8              | 12359.2                | 1.05                  | 73.31                     |
| 71.0-72.0    | 1666.4        | 173.3              | 12532.5                | 1.03                  | 74.34                     |

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 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

| Gamma<br>[°] | Imean<br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 72.0-73.0    | 1623.0        | 169.7              | 12702.3                | 1.01                  | 75.34                     |
| 73.0-74.0    | 1579.4        | 166.1              | 12868.3                | 0.98                  | 76.33                     |
| 74.0-75.0    | 1532.6        | 162.0              | 13030.3                | 0.96                  | 77.29                     |
| 75.0-76.0    | 1484.8        | 157.6              | 13187.9                | 0.94                  | 78.22                     |
| 76.0-77.0    | 1437.7        | 153.3              | 13341.2                | 0.91                  | 79.13                     |
| 77.0-78.0    | 1390.8        | 148.9              | 13490.1                | 0.88                  | 80.02                     |
| 78.0-79.0    | 1344.7        | 144.5              | 13634.6                | 0.86                  | 80.87                     |
| 79.0-80.0    | 1301.3        | 140.3              | 13774.9                | 0.83                  | 81.71                     |
| 80.0-81.0    | 1258.6        | 136.1              | 13911.1                | 0.81                  | 82.51                     |
| 81.0-82.0    | 1215.8        | 131.9              | 14042.9                | 0.78                  | 83.30                     |
| 82.0-83.0    | 1174.0        | 127.6              | 14170.6                | 0.76                  | 84.05                     |
| 83.0-84.0    | 1132.9        | 123.4              | 14294.0                | 0.73                  | 84.78                     |
| 84.0-85.0    | 1093.2        | 119.3              | 14413.3                | 0.71                  | 85.49                     |
| 85.0-86.0    | 1053.6        | 115.2              | 14528.5                | 0.68                  | 86.18                     |
| 86.0-87.0    | 1015.6        | 111.2              | 14639.7                | 0.66                  | 86.83                     |
| 87.0-88.0    | 980.2         | 107.4              | 14747.1                | 0.64                  | 87.47                     |
| 88.0-89.0    | 943.9         | 103.5              | 14850.5                | 0.61                  | 88.09                     |
| 89.0-90.0    | 905.1         | 99.3               | 14949.8                | 0.59                  | 88.67                     |
| 90.0-91.0    | 866.9         | 95.1               | 15044.9                | 0.56                  | 89.24                     |
| 91.0-92.0    | 831.4         | 91.1               | 15136.0                | 0.54                  | 89.78                     |
| 92.0-93.0    | 796.8         | 87.3               | 15223.3                | 0.52                  | 90.30                     |
| 93.0-94.0    | 764.2         | 83.6               | 15306.9                | 0.50                  | 90.79                     |
| 94.0-95.0    | 734.9         | 80.3               | 15387.3                | 0.48                  | 91.27                     |
| 95.0-96.0    | 707.6         | 77.2               | 15464.5                | 0.46                  | 91.73                     |
| 96.0-97.0    | 679.9         | 74.1               | 15538.6                | 0.44                  | 92.17                     |
| 97.0-98.0    | 652.7         | 71.0               | 15609.6                | 0.42                  | 92.59                     |
| 98.0-99.0    | 626.1         | 67.9               | 15677.5                | 0.40                  | 92.99                     |
| 99.0-100.0   | 601.0         | 65.0               | 15742.5                | 0.39                  | 93.38                     |
| 100.0-101.0  | 578.9         | 62.4               | 15804.9                | 0.37                  | 93.75                     |
| 101.0-102.0  | 558.2         | 60.0               | 15864.9                | 0.36                  | 94.10                     |
| 102.0-103.0  | 537.6         | 57.6               | 15922.4                | 0.34                  | 94.44                     |
| 103.0-104.0  | 517.0         | 55.1               | 15977.6                | 0.33                  | 94.77                     |
| 104.0-105.0  | 496.1         | 52.7               | 16030.2                | 0.31                  | 95.08                     |
| 105.0-106.0  | 476.3         | 50.3               | 16080.6                | 0.30                  | 95.38                     |
| 106.0-107.0  | 457.5         | 48.1               | 16128.7                | 0.29                  | 95.67                     |
| 107.0-108.0  | 439.4         | 46.0               | 16174.6                | 0.27                  | 95.94                     |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 3)

| Gamma<br>[°] | Imean<br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 108.0-109.0  | 422.0         | 43.9               | 16218.5                | 0.26                  | 96.20                     |
| 109.0-110.0  | 405.4         | 41.9               | 16260.4                | 0.25                  | 96.45                     |
| 110.0-111.0  | 387.4         | 39.8               | 16300.2                | 0.24                  | 96.68                     |
| 111.0-112.0  | 368.4         | 37.6               | 16337.8                | 0.22                  | 96.91                     |
| 112.0-113.0  | 350.4         | 35.5               | 16373.3                | 0.21                  | 97.12                     |
| 113.0-114.0  | 333.2         | 33.5               | 16406.8                | 0.20                  | 97.32                     |
| 114.0-115.0  | 316.5         | 31.6               | 16438.4                | 0.19                  | 97.50                     |
| 115.0-116.0  | 300.3         | 29.7               | 16468.1                | 0.18                  | 97.68                     |
| 116.0-117.0  | 284.6         | 27.9               | 16496.0                | 0.17                  | 97.85                     |
| 117.0-118.0  | 269.8         | 26.2               | 16522.3                | 0.16                  | 98.00                     |
| 118.0-119.0  | 256.6         | 24.7               | 16547.0                | 0.15                  | 98.15                     |
| 119.0-120.0  | 243.0         | 23.2               | 16570.2                | 0.14                  | 98.29                     |
| 120.0-121.0  | 230.3         | 21.8               | 16591.9                | 0.13                  | 98.41                     |
| 121.0-122.0  | 218.1         | 20.4               | 16612.3                | 0.12                  | 98.54                     |
| 122.0-123.0  | 205.7         | 19.0               | 16631.4                | 0.11                  | 98.65                     |
| 123.0-124.0  | 193.4         | 17.7               | 16649.1                | 0.10                  | 98.75                     |
| 124.0-125.0  | 181.0         | 16.4               | 16665.4                | 0.10                  | 98.85                     |
| 125.0-126.0  | 168.6         | 15.1               | 16680.5                | 0.09                  | 98.94                     |
| 126.0-127.0  | 157.5         | 13.9               | 16694.4                | 0.08                  | 99.02                     |
| 127.0-128.0  | 146.9         | 12.8               | 16707.1                | 0.08                  | 99.10                     |
| 128.0-129.0  | 136.9         | 11.7               | 16718.9                | 0.07                  | 99.17                     |
| 129.0-130.0  | 128.5         | 10.9               | 16729.8                | 0.06                  | 99.23                     |
| 130.0-131.0  | 120.7         | 10.1               | 16739.8                | 0.06                  | 99.29                     |
| 131.0-132.0  | 112.7         | 9.3                | 16749.1                | 0.05                  | 99.35                     |
| 132.0-133.0  | 105.4         | 8.5                | 16757.6                | 0.05                  | 99.40                     |
| 133.0-134.0  | 99.9          | 7.9                | 16765.5                | 0.05                  | 99.44                     |
| 134.0-135.0  | 93.8          | 7.3                | 16772.9                | 0.04                  | 99.49                     |
| 135.0-136.0  | 88.4          | 6.8                | 16779.7                | 0.04                  | 99.53                     |
| 136.0-137.0  | 84.3          | 6.4                | 16786.0                | 0.04                  | 99.57                     |
| 137.0-138.0  | 79.6          | 5.9                | 16791.9                | 0.03                  | 99.60                     |
| 138.0-139.0  | 75.3          | 5.5                | 16797.4                | 0.03                  | 99.63                     |
| 139.0-140.0  | 71.3          | 5.1                | 16802.5                | 0.03                  | 99.66                     |
| 140.0-141.0  | 67.9          | 4.7                | 16807.2                | 0.03                  | 99.69                     |
| 141.0-142.0  | 64.2          | 4.4                | 16811.6                | 0.03                  | 99.72                     |
| 142.0-143.0  | 60.4          | 4.0                | 16815.6                | 0.02                  | 99.74                     |
| 143.0-144.0  | 57.4          | 3.7                | 16819.4                | 0.02                  | 99.76                     |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 4)

| Gamma<br>[°] | Imean<br>[cd] | Zonal Flux<br>[lm] | Sum Zonal Flux<br>[lm] | Rel Zonal Flux<br>[%] | Sum Rel Zonal Flux<br>[%] |
|--------------|---------------|--------------------|------------------------|-----------------------|---------------------------|
| 144.0-145.0  | 54.3          | 3.5                | 16822.8                | 0.02                  | 99.78                     |
| 145.0-146.0  | 50.5          | 3.1                | 16826.0                | 0.02                  | 99.80                     |
| 146.0-147.0  | 47.8          | 2.9                | 16828.9                | 0.02                  | 99.82                     |
| 147.0-148.0  | 45.5          | 2.7                | 16831.5                | 0.02                  | 99.84                     |
| 148.0-149.0  | 42.5          | 2.4                | 16834.0                | 0.01                  | 99.85                     |
| 149.0-150.0  | 40.4          | 2.2                | 16836.2                | 0.01                  | 99.86                     |
| 150.0-151.0  | 38.2          | 2.1                | 16838.3                | 0.01                  | 99.88                     |
| 151.0-152.0  | 36.0          | 1.9                | 16840.2                | 0.01                  | 99.89                     |
| 152.0-153.0  | 34.8          | 1.8                | 16841.9                | 0.01                  | 99.90                     |
| 153.0-154.0  | 33.3          | 1.6                | 16843.6                | 0.01                  | 99.91                     |
| 154.0-155.0  | 31.4          | 1.5                | 16845.1                | 0.01                  | 99.92                     |
| 155.0-156.0  | 29.7          | 1.3                | 16846.4                | 0.01                  | 99.92                     |
| 156.0-157.0  | 28.6          | 1.2                | 16847.7                | 0.01                  | 99.93                     |
| 157.0-158.0  | 28.0          | 1.2                | 16848.8                | 0.01                  | 99.94                     |
| 158.0-159.0  | 27.4          | 1.1                | 16849.9                | 0.01                  | 99.94                     |
| 159.0-160.0  | 25.9          | 1.0                | 16850.9                | 0.01                  | 99.95                     |
| 160.0-161.0  | 24.7          | 0.9                | 16851.8                | 0.01                  | 99.96                     |
| 161.0-162.0  | 23.8          | 0.8                | 16852.7                | 0.00                  | 99.96                     |
| 162.0-163.0  | 22.4          | 0.7                | 16853.4                | 0.00                  | 99.97                     |
| 163.0-164.0  | 22.5          | 0.7                | 16854.1                | 0.00                  | 99.97                     |
| 164.0-165.0  | 23.3          | 0.7                | 16854.8                | 0.00                  | 99.97                     |
| 165.0-166.0  | 22.4          | 0.6                | 16855.4                | 0.00                  | 99.98                     |
| 166.0-167.0  | 21.8          | 0.6                | 16855.9                | 0.00                  | 99.98                     |
| 167.0-168.0  | 21.6          | 0.5                | 16856.5                | 0.00                  | 99.98                     |
| 168.0-169.0  | 21.2          | 0.5                | 16856.9                | 0.00                  | 99.99                     |
| 169.0-170.0  | 20.8          | 0.4                | 16857.3                | 0.00                  | 99.99                     |
| 170.0-171.0  | 20.6          | 0.4                | 16857.7                | 0.00                  | 99.99                     |
| 171.0-172.0  | 20.8          | 0.3                | 16858.0                | 0.00                  | 99.99                     |
| 172.0-173.0  | 20.4          | 0.3                | 16858.3                | 0.00                  | 99.99                     |
| 173.0-174.0  | 20.1          | 0.2                | 16858.6                | 0.00                  | 100.00                    |
| 174.0-175.0  | 20.3          | 0.2                | 16858.8                | 0.00                  | 100.00                    |
| 175.0-176.0  | 20.2          | 0.2                | 16859.0                | 0.00                  | 100.00                    |
| 176.0-177.0  | 19.7          | 0.1                | 16859.1                | 0.00                  | 100.00                    |
| 177.0-178.0  | 20.1          | 0.1                | 16859.2                | 0.00                  | 100.00                    |
| 178.0-179.0  | 19.6          | 0.1                | 16859.3                | 0.00                  | 100.00                    |
| 179.0-180.0  | 19.0          | 0.0                | 16859.3                | 0.00                  | 100.00                    |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## **Zonal Lumen (Continue 5)**

cone flux(90°): 6880.25 lm

%lum = 40.8%

%lamp = 40.8%

cone flux(120°): 10205.23 lm

%lum = 60.5%

%lamp = 60.5%



## Candlepower Table

Unit: cd

| G\C   | C0.0   | C22.5  | C45.0  | C67.5  | C90.0  | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G0.0  | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 |
| G1.0  | 5676.0 | 5728.6 | 5767.3 | 5804.9 | 5814.7 | 5805.7 | 5773.2 | 5728.9 | 5676.9 | 5609.0 |
| G2.0  | 5690.0 | 5790.1 | 5895.3 | 5992.4 | 6020.5 | 5987.3 | 5900.1 | 5783.7 | 5693.2 | 5548.0 |
| G3.0  | 5688.9 | 5835.4 | 6045.7 | 6054.2 | 6055.0 | 6034.5 | 6050.5 | 5875.3 | 5684.0 | 5471.1 |
| G4.0  | 5683.6 | 5919.6 | 6044.3 | 6102.3 | 6113.8 | 6080.1 | 6038.9 | 5967.0 | 5704.5 | 5398.5 |
| G5.0  | 5673.5 | 5982.7 | 6070.8 | 6203.0 | 6204.4 | 6167.7 | 6074.2 | 6051.1 | 5689.8 | 5295.8 |
| G6.0  | 5678.8 | 6024.8 | 6124.8 | 6175.6 | 6066.8 | 6112.4 | 6141.9 | 6058.7 | 5685.2 | 5218.3 |
| G7.0  | 5651.1 | 6002.8 | 6187.9 | 6040.8 | 5987.9 | 5991.1 | 6163.3 | 6041.6 | 5673.7 | 5165.4 |
| G8.0  | 5654.5 | 5993.4 | 6156.0 | 5994.0 | 6010.3 | 5970.3 | 6075.8 | 6018.5 | 5665.5 | 5150.1 |
| G9.0  | 5630.7 | 5992.8 | 6043.6 | 5999.9 | 5969.8 | 6003.4 | 6009.8 | 6031.1 | 5639.4 | 5119.7 |
| G10.0 | 5601.4 | 5992.8 | 5983.9 | 5972.9 | 5986.8 | 5979.3 | 5988.3 | 6021.7 | 5619.2 | 5039.4 |
| G11.0 | 5565.6 | 6011.5 | 5979.8 | 5997.4 | 5996.1 | 5986.8 | 6031.3 | 6048.1 | 5582.8 | 4950.3 |
| G12.0 | 5526.0 | 6023.6 | 5962.5 | 5998.7 | 5779.4 | 5949.8 | 6025.1 | 6036.8 | 5542.4 | 4841.0 |
| G13.0 | 5488.8 | 6010.1 | 5891.0 | 5825.0 | 5604.1 | 5735.1 | 5936.3 | 5984.3 | 5499.6 | 4741.7 |
| G14.0 | 5437.7 | 5972.9 | 5885.3 | 5651.7 | 5740.7 | 5592.1 | 5900.9 | 5892.4 | 5459.0 | 4649.6 |
| G15.0 | 5388.9 | 5897.8 | 5885.3 | 5706.9 | 5843.4 | 5740.1 | 5887.8 | 5800.1 | 5401.1 | 4581.0 |
| G16.0 | 5350.2 | 5787.7 | 5841.4 | 5828.1 | 5939.9 | 5895.6 | 5758.4 | 5735.8 | 5352.7 | 4494.3 |
| G17.0 | 5288.1 | 5708.1 | 5677.2 | 5904.7 | 5717.5 | 5922.2 | 5597.4 | 5663.5 | 5286.5 | 4399.4 |
| G18.0 | 5228.8 | 5648.8 | 5533.0 | 5807.4 | 5717.5 | 5750.8 | 5532.2 | 5642.6 | 5223.3 | 4282.6 |
| G19.0 | 5166.9 | 5600.1 | 5505.2 | 5735.5 | 5557.0 | 5684.1 | 5603.0 | 5616.6 | 5163.3 | 4165.1 |
| G20.0 | 5097.7 | 5538.0 | 5550.8 | 5615.3 | 5537.3 | 5555.6 | 5683.1 | 5592.2 | 5097.0 | 4052.3 |
| G21.0 | 5029.7 | 5479.8 | 5594.7 | 5539.5 | 5734.8 | 5509.0 | 5718.9 | 5528.5 | 5034.2 | 3946.5 |
| G22.0 | 4963.2 | 5400.0 | 5568.9 | 5626.2 | 5696.3 | 5656.3 | 5621.6 | 5431.2 | 4971.2 | 3840.8 |
| G23.0 | 4897.2 | 5293.5 | 5512.8 | 5700.2 | 5598.9 | 5740.5 | 5539.1 | 5327.7 | 4900.7 | 3741.1 |
| G24.0 | 4825.1 | 5212.5 | 5441.6 | 5609.2 | 5629.0 | 5582.1 | 5427.1 | 5251.3 | 4827.8 | 3631.4 |
| G25.0 | 4763.0 | 5138.7 | 5373.3 | 5544.5 | 5610.9 | 5534.0 | 5337.5 | 5188.4 | 4760.0 | 3515.7 |
| G26.0 | 4689.7 | 5089.8 | 5290.7 | 5622.7 | 5557.0 | 5584.6 | 5256.9 | 5120.7 | 4685.3 | 3400.2 |
| G27.0 | 4619.1 | 5062.1 | 5182.6 | 5597.2 | 5494.2 | 5547.6 | 5246.3 | 5067.1 | 4605.4 | 3282.6 |
| G28.0 | 4536.1 | 5045.0 | 5178.3 | 5540.6 | 5559.7 | 5515.8 | 5318.3 | 4994.3 | 4536.9 | 3156.0 |
| G29.0 | 4457.6 | 5004.2 | 5200.3 | 5481.5 | 5766.7 | 5477.9 | 5361.9 | 4905.0 | 4451.8 | 3033.0 |
| G30.0 | 4380.8 | 4933.4 | 5168.8 | 5523.3 | 5926.3 | 5604.1 | 5237.3 | 4806.5 | 4376.7 | 2907.7 |
| G31.0 | 4292.4 | 4846.0 | 5103.5 | 5605.3 | 5903.7 | 5673.2 | 5165.6 | 4713.7 | 4301.8 | 2800.9 |
| G32.0 | 4213.5 | 4748.4 | 5066.6 | 5759.8 | 5632.2 | 5794.4 | 5153.4 | 4659.2 | 4231.0 | 2684.5 |
| G33.0 | 4119.6 | 4629.5 | 5100.5 | 5763.1 | 5596.0 | 5744.9 | 5118.5 | 4616.5 | 4153.8 | 2574.9 |
| G34.0 | 4031.9 | 4549.0 | 5058.2 | 5651.6 | 5893.5 | 5601.9 | 5057.5 | 4596.3 | 4075.9 | 2458.8 |
| G35.0 | 3947.8 | 4467.3 | 4954.2 | 5547.1 | 6242.7 | 5589.0 | 4986.7 | 4528.8 | 3991.5 | 2336.7 |
| G36.0 | 3849.7 | 4398.3 | 4873.0 | 5711.4 | 6174.6 | 5778.9 | 4954.3 | 4445.8 | 3898.7 | 2207.9 |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 1)

Unit: cd

| G\C   | C0.0   | C22.5  | C45.0  | C67.5  | C90.0  | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G37.0 | 3760.8 | 4325.6 | 4875.5 | 5848.6 | 6095.0 | 5921.0 | 4976.7 | 4346.8 | 3818.5 | 2083.3 |
| G38.0 | 3660.9 | 4246.5 | 4914.9 | 5968.8 | 5972.3 | 6011.4 | 5003.1 | 4285.7 | 3715.4 | 1965.1 |
| G39.0 | 3560.6 | 4188.8 | 4949.2 | 5798.9 | 6144.0 | 5839.5 | 5066.0 | 4232.6 | 3621.5 | 1855.8 |
| G40.0 | 3456.1 | 4143.8 | 4901.7 | 5817.1 | 6273.2 | 5813.0 | 4986.4 | 4208.2 | 3525.3 | 1740.3 |
| G41.0 | 3350.2 | 4127.5 | 4810.6 | 5902.5 | 6394.4 | 5867.9 | 4880.5 | 4161.4 | 3425.8 | 1645.7 |
| G42.0 | 3251.7 | 4092.4 | 4776.4 | 5905.0 | 6177.7 | 5982.5 | 4819.9 | 4066.4 | 3332.1 | 1549.4 |
| G43.0 | 3134.6 | 4003.6 | 4741.4 | 5950.2 | 6340.3 | 6033.2 | 4788.9 | 3957.8 | 3228.6 | 1446.1 |
| G44.0 | 3047.1 | 3902.8 | 4741.8 | 5828.4 | 6593.3 | 5926.7 | 4830.1 | 3854.1 | 3121.8 | 1336.5 |
| G45.0 | 2943.1 | 3800.4 | 4784.3 | 6065.3 | 6576.7 | 6138.0 | 4973.8 | 3770.0 | 3020.1 | 1247.3 |
| G46.0 | 2845.9 | 3697.9 | 4750.2 | 6232.3 | 6499.1 | 6228.6 | 4857.7 | 3699.3 | 2917.4 | 1165.7 |
| G47.0 | 2749.2 | 3587.4 | 4701.5 | 6065.7 | 6289.3 | 6054.9 | 4789.0 | 3614.5 | 2815.4 | 1093.9 |
| G48.0 | 2661.3 | 3486.4 | 4639.8 | 5924.3 | 6299.5 | 5970.9 | 4703.6 | 3536.3 | 2723.4 | 1020.8 |
| G49.0 | 2574.9 | 3419.9 | 4541.2 | 5892.2 | 6520.8 | 5949.2 | 4603.2 | 3512.8 | 2621.8 | 944.6  |
| G50.0 | 2491.9 | 3379.6 | 4530.8 | 5978.5 | 6497.7 | 6017.3 | 4677.4 | 3464.7 | 2530.7 | 883.5  |
| G51.0 | 2408.1 | 3323.8 | 4607.3 | 6010.4 | 6194.3 | 6028.1 | 4745.7 | 3359.4 | 2452.5 | 833.2  |
| G52.0 | 2321.7 | 3240.1 | 4539.6 | 5926.6 | 6185.4 | 5941.5 | 4644.0 | 3238.3 | 2366.2 | 787.9  |
| G53.0 | 2239.0 | 3132.2 | 4436.5 | 5873.1 | 6271.9 | 5894.9 | 4547.4 | 3116.3 | 2278.1 | 751.6  |
| G54.0 | 2159.5 | 3028.4 | 4317.1 | 5862.0 | 6375.4 | 5906.9 | 4431.8 | 3000.9 | 2202.5 | 708.6  |
| G55.0 | 2081.6 | 2950.4 | 4256.9 | 5892.9 | 6415.9 | 5912.0 | 4366.4 | 2933.9 | 2129.7 | 672.9  |
| G56.0 | 2004.6 | 2916.8 | 4233.6 | 5915.8 | 6373.6 | 5925.3 | 4348.8 | 2947.6 | 2060.2 | 637.8  |
| G57.0 | 1919.1 | 2903.8 | 4197.4 | 5896.9 | 6262.2 | 5917.1 | 4309.4 | 2931.4 | 1985.8 | 606.9  |
| G58.0 | 1844.4 | 2792.7 | 4155.2 | 5845.4 | 6131.5 | 5869.7 | 4262.8 | 2769.0 | 1920.0 | 573.0  |
| G59.0 | 1770.6 | 2655.4 | 4112.0 | 5778.2 | 6022.6 | 5800.7 | 4217.1 | 2646.6 | 1842.1 | 533.7  |
| G60.0 | 1694.6 | 2577.4 | 4068.5 | 5695.1 | 5937.5 | 5729.2 | 4167.8 | 2581.6 | 1766.8 | 506.5  |
| G61.0 | 1615.3 | 2509.3 | 4020.4 | 5619.5 | 5796.3 | 5631.1 | 4129.8 | 2534.5 | 1683.4 | 483.1  |
| G62.0 | 1519.3 | 2448.3 | 3970.8 | 5536.6 | 5703.7 | 5546.0 | 4091.3 | 2535.8 | 1579.8 | 453.0  |
| G63.0 | 1434.3 | 2448.3 | 3929.6 | 5413.0 | 5662.1 | 5432.8 | 4051.8 | 2499.6 | 1495.9 | 422.1  |
| G64.0 | 1350.4 | 2344.9 | 3887.6 | 5309.3 | 5619.0 | 5313.1 | 4001.7 | 2364.3 | 1413.7 | 399.9  |
| G65.0 | 1263.1 | 2246.1 | 3827.4 | 5210.0 | 5496.8 | 5221.2 | 3957.9 | 2264.3 | 1328.4 | 378.7  |
| G66.0 | 1180.4 | 2164.3 | 3768.4 | 5125.5 | 5366.1 | 5122.7 | 3894.7 | 2202.2 | 1238.9 | 352.8  |
| G67.0 | 1090.6 | 2097.1 | 3678.4 | 5021.2 | 5260.1 | 5028.5 | 3804.0 | 2165.8 | 1141.9 | 327.7  |
| G68.0 | 1001.1 | 2067.3 | 3587.2 | 4930.3 | 5202.8 | 4942.1 | 3706.6 | 2083.2 | 1055.5 | 302.8  |
| G69.0 | 921.3  | 1945.7 | 3502.4 | 4860.4 | 5131.5 | 4866.9 | 3614.5 | 1938.2 | 966.6  | 282.4  |
| G70.0 | 838.1  | 1840.0 | 3418.7 | 4789.0 | 5066.9 | 4796.6 | 3529.9 | 1854.3 | 887.2  | 260.7  |
| G71.0 | 776.3  | 1774.4 | 3335.5 | 4707.1 | 5018.5 | 4724.1 | 3450.9 | 1791.6 | 809.0  | 238.9  |
| G72.0 | 709.8  | 1707.4 | 3265.9 | 4632.5 | 4938.6 | 4636.7 | 3368.2 | 1726.2 | 738.4  | 221.8  |
| G73.0 | 651.4  | 1644.3 | 3191.2 | 4556.8 | 4860.2 | 4564.3 | 3294.2 | 1669.6 | 680.5  | 204.6  |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

| G\C    | C0.0  | C22.5  | C45.0  | C67.5  | C90.0  | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| G74.0  | 595.5 | 1570.4 | 3115.2 | 4469.5 | 4745.2 | 4479.2 | 3227.5 | 1597.3 | 617.9  | 187.3  |
| G75.0  | 543.9 | 1508.3 | 3036.8 | 4373.8 | 4619.5 | 4383.0 | 3144.0 | 1540.1 | 560.6  | 169.4  |
| G76.0  | 491.7 | 1449.3 | 2953.1 | 4266.8 | 4474.8 | 4287.7 | 3064.4 | 1474.3 | 503.4  | 156.2  |
| G77.0  | 444.9 | 1386.4 | 2881.2 | 4172.1 | 4336.6 | 4178.3 | 2982.5 | 1413.2 | 451.6  | 142.9  |
| G78.0  | 402.1 | 1316.9 | 2797.0 | 4061.8 | 4236.1 | 4055.7 | 2894.5 | 1353.4 | 408.0  | 133.5  |
| G79.0  | 361.8 | 1249.0 | 2713.3 | 3944.4 | 4158.0 | 3940.8 | 2803.6 | 1292.3 | 369.8  | 120.3  |
| G80.0  | 322.2 | 1187.9 | 2634.9 | 3825.1 | 4088.2 | 3830.5 | 2717.2 | 1236.2 | 324.2  | 108.2  |
| G81.0  | 284.3 | 1133.0 | 2545.5 | 3718.3 | 4005.6 | 3715.7 | 2637.3 | 1170.1 | 291.4  | 100.2  |
| G82.0  | 259.6 | 1069.7 | 2461.6 | 3603.0 | 3899.3 | 3605.4 | 2559.0 | 1120.2 | 257.8  | 92.1   |
| G83.0  | 229.1 | 1016.2 | 2375.9 | 3503.9 | 3785.9 | 3503.0 | 2468.6 | 1067.0 | 234.2  | 88.7   |
| G84.0  | 203.5 | 970.0  | 2297.6 | 3396.9 | 3676.3 | 3398.6 | 2382.2 | 1020.8 | 202.6  | 82.5   |
| G85.0  | 181.9 | 925.6  | 2208.7 | 3310.1 | 3574.4 | 3312.3 | 2287.6 | 965.1  | 177.4  | 73.8   |
| G86.0  | 162.9 | 867.6  | 2115.4 | 3209.7 | 3482.7 | 3208.8 | 2192.8 | 914.3  | 153.0  | 71.6   |
| G87.0  | 144.3 | 822.5  | 2025.1 | 3111.4 | 3398.9 | 3121.7 | 2104.6 | 870.7  | 134.0  | 72.0   |
| G88.0  | 127.6 | 780.4  | 1941.9 | 3024.2 | 3298.6 | 3032.4 | 2017.1 | 820.6  | 118.7  | 70.0   |
| G89.0  | 114.3 | 741.8  | 1871.1 | 2926.4 | 3185.1 | 2934.0 | 1937.2 | 779.6  | 110.4  | 66.3   |
| G90.0  | 98.8  | 701.5  | 1799.2 | 2800.6 | 3040.8 | 2815.2 | 1864.1 | 743.5  | 99.0   | 56.3   |
| G91.0  | 97.4  | 665.8  | 1732.2 | 2679.6 | 2912.9 | 2692.0 | 1794.9 | 709.5  | 88.4   | 61.7   |
| G92.0  | 95.5  | 636.3  | 1657.4 | 2570.4 | 2797.6 | 2578.5 | 1726.1 | 677.1  | 85.4   | 58.6   |
| G93.0  | 86.8  | 602.5  | 1587.7 | 2464.1 | 2684.2 | 2469.5 | 1653.1 | 640.2  | 85.0   | 55.1   |
| G94.0  | 88.2  | 575.5  | 1525.5 | 2359.8 | 2583.9 | 2373.1 | 1592.7 | 607.6  | 79.1   | 54.9   |
| G95.0  | 85.5  | 548.5  | 1468.5 | 2274.5 | 2490.1 | 2288.9 | 1526.7 | 585.7  | 82.9   | 46.2   |
| G96.0  | 82.9  | 521.3  | 1411.7 | 2189.4 | 2398.2 | 2205.1 | 1466.2 | 558.4  | 81.3   | 48.7   |
| G97.0  | 82.0  | 498.5  | 1354.8 | 2106.0 | 2303.5 | 2118.9 | 1406.5 | 526.2  | 80.4   | 41.2   |
| G98.0  | 83.2  | 473.6  | 1295.3 | 2022.4 | 2203.0 | 2039.6 | 1352.0 | 505.2  | 77.4   | 41.1   |
| G99.0  | 78.4  | 448.6  | 1240.3 | 1945.7 | 2122.8 | 1954.7 | 1289.8 | 479.5  | 86.2   | 49.4   |
| G100.0 | 80.2  | 430.1  | 1191.4 | 1869.7 | 2042.4 | 1882.6 | 1240.7 | 454.2  | 78.6   | 44.4   |
| G101.0 | 82.2  | 410.0  | 1146.0 | 1795.3 | 1978.1 | 1812.0 | 1190.5 | 435.3  | 78.6   | 45.3   |
| G102.0 | 83.4  | 390.5  | 1098.7 | 1731.9 | 1911.9 | 1740.7 | 1142.1 | 415.2  | 81.6   | 45.5   |
| G103.0 | 80.0  | 378.9  | 1051.4 | 1669.4 | 1841.7 | 1674.4 | 1093.5 | 400.8  | 78.6   | 42.8   |
| G104.0 | 81.6  | 354.2  | 1012.3 | 1604.5 | 1770.6 | 1612.0 | 1051.8 | 381.5  | 73.5   | 39.8   |
| G105.0 | 81.3  | 337.9  | 966.2  | 1539.5 | 1698.9 | 1549.8 | 1005.0 | 355.7  | 79.0   | 37.9   |
| G106.0 | 80.6  | 320.1  | 921.9  | 1484.5 | 1636.3 | 1490.1 | 958.6  | 340.6  | 82.0   | 37.0   |
| G107.0 | 79.3  | 302.3  | 880.3  | 1427.4 | 1575.2 | 1434.7 | 914.1  | 323.5  | 81.3   | 36.3   |
| G108.0 | 76.5  | 288.4  | 847.0  | 1373.8 | 1526.1 | 1381.6 | 871.6  | 303.0  | 77.9   | 32.3   |
| G109.0 | 73.8  | 274.9  | 803.8  | 1327.1 | 1466.3 | 1333.0 | 838.8  | 293.0  | 74.3   | 31.1   |
| G110.0 | 74.2  | 260.4  | 763.8  | 1275.0 | 1405.9 | 1285.8 | 800.1  | 273.1  | 74.3   | 29.1   |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 3)

Unit: cd

| G\C    | C0.0 | C22.5 | C45.0 | C67.5  | C90.0  | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| G111.0 | 72.2 | 247.6 | 730.1 | 1222.6 | 1310.5 | 1229.3 | 755.5  | 258.8  | 70.3   | 29.9   |
| G112.0 | 72.9 | 233.7 | 692.3 | 1174.3 | 1214.0 | 1179.4 | 722.2  | 246.0  | 71.3   | 31.8   |
| G113.0 | 68.0 | 222.5 | 659.1 | 1126.2 | 1137.0 | 1129.7 | 682.9  | 229.6  | 67.4   | 29.1   |
| G114.0 | 70.6 | 210.8 | 626.3 | 1077.8 | 1069.8 | 1082.5 | 647.9  | 223.2  | 60.9   | 32.3   |
| G115.0 | 66.9 | 199.6 | 593.7 | 1028.4 | 992.5  | 1032.7 | 609.0  | 209.5  | 64.9   | 25.4   |
| G116.0 | 64.4 | 190.9 | 555.5 | 980.0  | 935.0  | 988.9  | 577.3  | 194.3  | 63.0   | 26.8   |
| G117.0 | 64.2 | 180.6 | 520.2 | 932.9  | 874.6  | 938.5  | 540.9  | 185.6  | 61.8   | 28.8   |
| G118.0 | 59.3 | 173.8 | 488.1 | 890.4  | 835.2  | 889.8  | 508.7  | 178.1  | 57.9   | 24.7   |
| G119.0 | 60.9 | 160.1 | 460.9 | 840.5  | 794.9  | 840.9  | 476.9  | 172.1  | 57.5   | 28.4   |
| G120.0 | 54.7 | 154.6 | 433.1 | 796.8  | 755.4  | 794.0  | 449.3  | 157.3  | 57.1   | 26.1   |
| G121.0 | 54.8 | 147.9 | 410.5 | 745.6  | 718.5  | 750.8  | 421.0  | 151.8  | 52.9   | 29.1   |
| G122.0 | 57.0 | 137.2 | 387.7 | 700.6  | 679.6  | 705.0  | 401.7  | 144.8  | 55.0   | 29.7   |
| G123.0 | 46.5 | 133.1 | 363.7 | 648.5  | 643.1  | 661.6  | 376.0  | 135.4  | 53.6   | 25.9   |
| G124.0 | 45.4 | 133.3 | 340.4 | 599.7  | 596.7  | 609.4  | 358.7  | 132.2  | 50.6   | 26.7   |
| G125.0 | 38.9 | 121.4 | 321.8 | 550.1  | 559.3  | 565.4  | 333.4  | 123.6  | 43.7   | 27.7   |
| G126.0 | 40.6 | 113.7 | 297.9 | 504.6  | 520.9  | 516.4  | 310.1  | 119.0  | 39.2   | 23.5   |
| G127.0 | 45.1 | 112.7 | 280.4 | 467.3  | 490.0  | 476.2  | 290.7  | 114.9  | 46.7   | 17.2   |
| G128.0 | 40.8 | 105.4 | 263.3 | 427.3  | 452.0  | 435.4  | 273.3  | 104.0  | 44.7   | 25.9   |
| G129.0 | 39.8 | 99.5  | 249.0 | 388.4  | 417.8  | 401.5  | 257.9  | 102.6  | 40.5   | 24.2   |
| G130.0 | 43.8 | 95.8  | 233.6 | 359.9  | 385.6  | 369.8  | 244.8  | 95.1   | 43.7   | 23.1   |
| G131.0 | 38.5 | 93.8  | 220.1 | 324.8  | 359.8  | 340.2  | 227.6  | 92.4   | 40.5   | 23.3   |
| G132.0 | 35.7 | 85.8  | 213.1 | 296.7  | 333.6  | 307.6  | 215.6  | 85.9   | 35.1   | 23.6   |
| G133.0 | 34.6 | 87.3  | 196.8 | 278.3  | 303.5  | 291.5  | 199.0  | 83.7   | 36.0   | 24.7   |
| G134.0 | 35.3 | 80.2  | 189.1 | 260.3  | 282.2  | 272.6  | 188.2  | 82.7   | 36.6   | 20.6   |
| G135.0 | 31.6 | 77.7  | 178.4 | 240.3  | 259.5  | 248.5  | 179.2  | 77.3   | 34.1   | 24.5   |
| G136.0 | 32.8 | 76.4  | 170.3 | 225.9  | 241.9  | 233.5  | 167.0  | 73.7   | 34.2   | 24.0   |
| G137.0 | 30.9 | 71.3  | 162.8 | 209.7  | 227.1  | 216.1  | 160.6  | 68.2   | 36.2   | 23.8   |
| G138.0 | 33.0 | 68.6  | 151.3 | 197.6  | 217.9  | 206.6  | 150.6  | 66.8   | 33.7   | 23.6   |
| G139.0 | 25.5 | 49.4  | 144.1 | 187.5  | 200.2  | 194.5  | 143.0  | 64.5   | 31.4   | 19.0   |
| G140.0 | 19.5 | 66.5  | 133.0 | 173.5  | 193.8  | 179.1  | 137.3  | 54.9   | 27.7   | 17.4   |
| G141.0 | 26.3 | 62.4  | 123.3 | 161.8  | 182.7  | 168.2  | 125.1  | 57.4   | 29.8   | 17.8   |
| G142.0 | 29.8 | 56.3  | 115.3 | 150.4  | 171.4  | 155.7  | 114.5  | 49.2   | 23.2   | 13.5   |
| G143.0 | 26.4 | 50.3  | 107.4 | 142.7  | 161.9  | 144.1  | 108.6  | 49.3   | 26.3   | 13.2   |
| G144.0 | 25.5 | 50.8  | 104.0 | 132.2  | 150.2  | 137.5  | 105.4  | 50.9   | 20.1   | 20.1   |
| G145.0 | 23.1 | 51.9  | 95.2  | 122.7  | 138.1  | 130.9  | 95.5   | 43.3   | 17.7   | 17.2   |
| G146.0 | 22.2 | 31.1  | 86.4  | 108.8  | 126.1  | 117.3  | 88.2   | 40.6   | 20.2   | 18.3   |
| G147.0 | 24.8 | 40.9  | 86.4  | 104.8  | 122.7  | 107.8  | 86.2   | 34.9   | 22.5   | 14.9   |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 4)

Unit: cd

| G\C    | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G148.0 | 18.6 | 39.1  | 81.2  | 95.5  | 109.2 | 101.9  | 75.5   | 29.0   | 21.6   | 17.1   |
| G149.0 | 23.1 | 35.2  | 74.9  | 84.8  | 96.0  | 86.0   | 70.4   | 36.2   | 18.6   | 20.1   |
| G150.0 | 23.4 | 38.0  | 69.4  | 80.0  | 83.6  | 82.8   | 70.8   | 26.7   | 18.1   | 16.9   |
| G151.0 | 12.2 | 33.6  | 65.1  | 72.6  | 85.1  | 74.0   | 62.4   | 35.4   | 18.3   | 19.0   |
| G152.0 | 18.6 | 30.0  | 52.0  | 67.0  | 79.5  | 70.3   | 55.6   | 33.8   | 12.8   | 20.1   |
| G153.0 | 16.7 | 29.0  | 52.7  | 62.7  | 73.8  | 67.6   | 54.3   | 34.0   | 13.8   | 21.9   |
| G154.0 | 18.6 | 31.5  | 53.4  | 57.6  | 65.4  | 58.8   | 48.8   | 29.7   | 15.1   | 19.9   |
| G155.0 | 14.9 | 30.7  | 50.2  | 51.9  | 60.5  | 52.9   | 50.9   | 22.6   | 16.5   | 18.8   |
| G156.0 | 9.8  | 26.7  | 48.4  | 51.5  | 54.8  | 46.5   | 45.9   | 26.2   | 9.2    | 19.2   |
| G157.0 | 14.0 | 24.3  | 43.9  | 48.8  | 53.4  | 46.1   | 42.3   | 24.4   | 13.3   | 20.1   |
| G158.0 | 14.0 | 21.5  | 35.3  | 43.6  | 51.4  | 52.2   | 38.0   | 25.5   | 15.6   | 22.2   |
| G159.0 | 9.0  | 21.7  | 39.8  | 45.0  | 53.0  | 40.2   | 41.0   | 24.1   | 15.1   | 19.2   |
| G160.0 | 16.0 | 19.9  | 24.9  | 38.2  | 31.9  | 44.3   | 38.4   | 23.2   | 18.5   | 21.3   |
| G161.0 | 15.8 | 18.7  | 28.3  | 40.4  | 38.9  | 41.3   | 37.6   | 16.9   | 13.0   | 18.3   |
| G162.0 | 15.4 | 24.3  | 29.8  | 20.2  | 35.8  | 30.6   | 30.3   | 19.8   | 16.5   | 22.0   |
| G163.0 | 17.6 | 15.5  | 31.2  | 32.2  | 38.3  | 20.6   | 23.7   | 14.4   | 13.1   | 18.5   |
| G164.0 | 16.9 | 21.0  | 28.7  | 22.2  | 34.4  | 35.6   | 27.8   | 20.5   | 16.2   | 20.6   |
| G165.0 | 14.9 | 19.7  | 29.9  | 30.3  | 32.2  | 31.1   | 28.1   | 20.5   | 16.3   | 19.7   |
| G166.0 | 16.3 | 23.6  | 22.2  | 25.9  | 30.4  | 17.3   | 23.5   | 19.2   | 16.3   | 21.3   |
| G167.0 | 14.9 | 15.3  | 23.3  | 25.0  | 30.1  | 29.7   | 21.3   | 20.5   | 17.6   | 24.5   |
| G168.0 | 15.4 | 16.9  | 25.8  | 21.8  | 22.9  | 25.7   | 17.2   | 15.1   | 13.0   | 21.2   |
| G169.0 | 14.7 | 22.8  | 21.2  | 20.5  | 26.9  | 20.9   | 19.9   | 20.8   | 15.4   | 22.0   |
| G170.0 | 12.4 | 22.2  | 22.9  | 0.0   | 24.7  | 21.3   | 21.9   | 21.6   | 18.1   | 26.7   |
| G171.0 | 13.7 | 18.3  | 24.2  | 15.1  | 20.8  | 22.7   | 23.8   | 22.8   | 17.0   | 22.9   |
| G172.0 | 12.2 | 21.7  | 23.1  | 16.9  | 18.4  | 21.6   | 23.8   | 19.1   | 17.7   | 15.8   |
| G173.0 | 17.2 | 23.6  | 24.0  | 17.1  | 19.2  | 14.1   | 19.2   | 18.9   | 15.6   | 19.2   |
| G174.0 | 15.4 | 24.7  | 19.2  | 11.7  | 21.5  | 19.7   | 16.8   | 22.6   | 13.1   | 22.2   |
| G175.0 | 19.0 | 20.4  | 23.5  | 13.0  | 22.9  | 16.1   | 19.0   | 24.4   | 16.0   | 18.7   |
| G176.0 | 13.5 | 18.8  | 20.4  | 16.7  | 19.0  | 22.3   | 18.6   | 21.2   | 19.0   | 24.2   |
| G177.0 | 15.6 | 20.4  | 19.0  | 14.6  | 22.2  | 18.4   | 20.1   | 23.3   | 17.6   | 23.6   |
| G178.0 | 17.4 | 22.0  | 24.2  | 18.4  | 19.0  | 17.7   | 20.4   | 14.2   | 21.1   | 22.9   |
| G179.0 | 17.0 | 22.9  | 25.1  | 15.3  | 16.1  | 19.0   | 17.0   | 20.5   | 15.6   | 21.3   |
| G180.0 | 16.7 | 21.0  | 25.5  | 21.4  | 20.6  | 19.3   | 20.1   | 17.8   | 12.6   | 22.2   |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |
|        |      |       |       |       |       |        |        |        |        |        |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

|       |        |        |        |        |        |        |        |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
| G0.0  | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 | 5682.9 |  |  |  |
| G1.0  | 5560.8 | 5506.4 | 5512.2 | 5515.0 | 5554.4 | 5618.6 | 5676.0 |  |  |  |
| G2.0  | 5418.1 | 5284.1 | 5283.7 | 5288.4 | 5425.9 | 5547.9 | 5690.0 |  |  |  |
| G3.0  | 5256.3 | 5159.8 | 5189.2 | 5163.6 | 5254.9 | 5480.0 | 5688.9 |  |  |  |
| G4.0  | 5178.5 | 5102.5 | 5067.8 | 5110.2 | 5143.0 | 5388.6 | 5683.6 |  |  |  |
| G5.0  | 5134.9 | 4923.2 | 4872.4 | 4926.9 | 5116.9 | 5284.3 | 5673.5 |  |  |  |
| G6.0  | 5003.7 | 4790.7 | 4743.1 | 4780.9 | 4984.4 | 5195.0 | 5678.8 |  |  |  |
| G7.0  | 4867.1 | 4646.2 | 4553.6 | 4660.1 | 4851.1 | 5121.6 | 5651.1 |  |  |  |
| G8.0  | 4763.3 | 4437.2 | 4381.2 | 4439.0 | 4735.3 | 5101.3 | 5654.5 |  |  |  |
| G9.0  | 4669.9 | 4348.2 | 4300.1 | 4338.7 | 4639.6 | 5066.8 | 5630.7 |  |  |  |
| G10.0 | 4503.9 | 4247.9 | 4145.0 | 4238.0 | 4486.5 | 4987.0 | 5601.4 |  |  |  |
| G11.0 | 4366.6 | 4091.2 | 3972.3 | 4074.8 | 4335.7 | 4891.5 | 5565.6 |  |  |  |
| G12.0 | 4292.2 | 3942.9 | 3753.5 | 3925.4 | 4247.4 | 4788.9 | 5526.0 |  |  |  |
| G13.0 | 4178.9 | 3742.8 | 3524.8 | 3732.9 | 4134.6 | 4702.7 | 5488.8 |  |  |  |
| G14.0 | 4037.5 | 3503.4 | 3272.5 | 3491.6 | 3976.4 | 4618.6 | 5437.7 |  |  |  |
| G15.0 | 3916.1 | 3292.4 | 3079.5 | 3279.6 | 3861.9 | 4543.3 | 5388.9 |  |  |  |
| G16.0 | 3757.1 | 3094.3 | 2875.5 | 3085.6 | 3714.5 | 4451.7 | 5350.2 |  |  |  |
| G17.0 | 3589.3 | 2908.0 | 2660.4 | 2903.1 | 3547.1 | 4350.7 | 5288.1 |  |  |  |
| G18.0 | 3411.5 | 2709.1 | 2435.1 | 2697.6 | 3371.1 | 4228.2 | 5228.8 |  |  |  |
| G19.0 | 3234.7 | 2510.8 | 2197.8 | 2492.3 | 3195.6 | 4110.2 | 5166.9 |  |  |  |
| G20.0 | 3041.9 | 2277.2 | 1940.1 | 2257.8 | 3009.6 | 3985.0 | 5097.7 |  |  |  |
| G21.0 | 2872.8 | 2050.2 | 1725.4 | 2034.6 | 2847.2 | 3882.1 | 5029.7 |  |  |  |
| G22.0 | 2711.3 | 1837.6 | 1532.7 | 1820.1 | 2678.7 | 3785.5 | 4963.2 |  |  |  |
| G23.0 | 2543.2 | 1637.8 | 1379.3 | 1623.6 | 2512.7 | 3671.2 | 4897.2 |  |  |  |
| G24.0 | 2372.0 | 1478.4 | 1260.7 | 1460.2 | 2346.6 | 3559.7 | 4825.1 |  |  |  |
| G25.0 | 2218.3 | 1336.8 | 1167.6 | 1337.2 | 2185.8 | 3448.9 | 4763.0 |  |  |  |
| G26.0 | 2042.1 | 1227.8 | 1087.2 | 1224.3 | 2016.1 | 3324.2 | 4689.7 |  |  |  |
| G27.0 | 1877.4 | 1143.7 | 1018.2 | 1137.9 | 1852.2 | 3208.6 | 4619.1 |  |  |  |
| G28.0 | 1714.6 | 1074.0 | 951.4  | 1068.9 | 1692.5 | 3089.4 | 4536.1 |  |  |  |
| G29.0 | 1561.2 | 1008.8 | 881.8  | 1000.8 | 1546.1 | 2967.9 | 4457.6 |  |  |  |
| G30.0 | 1432.6 | 938.7  | 827.9  | 931.5  | 1422.8 | 2850.9 | 4380.8 |  |  |  |
| G31.0 | 1325.8 | 871.9  | 780.4  | 864.8  | 1322.2 | 2720.3 | 4292.4 |  |  |  |
| G32.0 | 1242.6 | 824.1  | 738.2  | 817.4  | 1225.1 | 2609.9 | 4213.5 |  |  |  |
| G33.0 | 1148.5 | 780.9  | 695.2  | 774.7  | 1140.3 | 2491.1 | 4119.6 |  |  |  |
| G34.0 | 1069.8 | 740.7  | 660.8  | 734.8  | 1067.2 | 2380.6 | 4031.9 |  |  |  |
| G35.0 | 1004.7 | 690.8  | 620.5  | 683.0  | 1001.9 | 2264.5 | 3947.8 |  |  |  |
| G36.0 | 944.5  | 646.2  | 570.9  | 639.4  | 946.4  | 2131.3 | 3849.7 |  |  |  |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 6)

Unit: cd

| G\C   | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G37.0 | 888.2  | 608.0  | 536.7  | 602.6  | 884.4  | 2011.4 | 3760.8 |  |  |  |
| G38.0 | 837.1  | 566.4  | 494.6  | 561.3  | 835.8  | 1894.4 | 3660.9 |  |  |  |
| G39.0 | 788.4  | 531.8  | 459.0  | 519.5  | 790.1  | 1787.1 | 3560.6 |  |  |  |
| G40.0 | 750.4  | 491.8  | 424.6  | 484.1  | 745.4  | 1684.7 | 3456.1 |  |  |  |
| G41.0 | 708.3  | 450.9  | 391.3  | 451.9  | 703.9  | 1583.9 | 3350.2 |  |  |  |
| G42.0 | 658.6  | 417.6  | 351.7  | 411.0  | 656.9  | 1475.8 | 3251.7 |  |  |  |
| G43.0 | 623.1  | 383.9  | 323.6  | 380.4  | 615.3  | 1382.6 | 3134.6 |  |  |  |
| G44.0 | 586.7  | 363.3  | 296.2  | 357.2  | 581.1  | 1292.1 | 3047.1 |  |  |  |
| G45.0 | 544.8  | 328.6  | 270.6  | 321.2  | 535.9  | 1203.8 | 2943.1 |  |  |  |
| G46.0 | 509.5  | 301.9  | 244.6  | 296.7  | 502.4  | 1128.8 | 2845.9 |  |  |  |
| G47.0 | 476.7  | 280.1  | 231.5  | 277.2  | 474.8  | 1057.7 | 2749.2 |  |  |  |
| G48.0 | 444.4  | 259.8  | 213.8  | 257.0  | 440.2  | 988.4  | 2661.3 |  |  |  |
| G49.0 | 414.3  | 246.4  | 200.6  | 238.8  | 413.3  | 930.5  | 2574.9 |  |  |  |
| G50.0 | 394.6  | 225.2  | 191.3  | 223.8  | 388.1  | 875.0  | 2491.9 |  |  |  |
| G51.0 | 365.1  | 210.0  | 183.7  | 206.8  | 365.8  | 828.8  | 2408.1 |  |  |  |
| G52.0 | 341.5  | 198.0  | 183.7  | 195.7  | 337.7  | 786.4  | 2321.7 |  |  |  |
| G53.0 | 316.4  | 181.6  | 178.9  | 183.9  | 313.3  | 749.0  | 2239.0 |  |  |  |
| G54.0 | 298.3  | 176.2  | 179.3  | 170.2  | 292.0  | 715.9  | 2159.5 |  |  |  |
| G55.0 | 273.9  | 158.9  | 163.9  | 160.7  | 270.5  | 679.4  | 2081.6 |  |  |  |
| G56.0 | 261.0  | 151.7  | 160.5  | 152.1  | 254.9  | 641.6  | 2004.6 |  |  |  |
| G57.0 | 240.9  | 146.3  | 148.5  | 143.0  | 235.2  | 611.7  | 1919.1 |  |  |  |
| G58.0 | 224.1  | 140.5  | 131.8  | 136.7  | 218.0  | 574.8  | 1844.4 |  |  |  |
| G59.0 | 201.7  | 121.1  | 119.1  | 132.3  | 201.1  | 542.2  | 1770.6 |  |  |  |
| G60.0 | 186.6  | 115.1  | 107.8  | 116.5  | 186.8  | 513.7  | 1694.6 |  |  |  |
| G61.0 | 172.4  | 109.9  | 95.6   | 110.6  | 172.2  | 484.7  | 1615.3 |  |  |  |
| G62.0 | 159.4  | 99.6   | 85.8   | 94.0   | 159.5  | 458.1  | 1519.3 |  |  |  |
| G63.0 | 147.3  | 84.3   | 75.2   | 84.0   | 144.6  | 431.8  | 1434.3 |  |  |  |
| G64.0 | 138.9  | 68.3   | 57.1   | 67.9   | 130.5  | 404.2  | 1350.4 |  |  |  |
| G65.0 | 120.6  | 63.2   | 40.1   | 60.2   | 116.5  | 379.6  | 1263.1 |  |  |  |
| G66.0 | 106.8  | 50.6   | 34.4   | 42.4   | 111.5  | 355.7  | 1180.4 |  |  |  |
| G67.0 | 93.9   | 33.7   | 9.3    | 24.3   | 96.8   | 336.3  | 1090.6 |  |  |  |
| G68.0 | 89.8   | 16.6   | 8.4    | 15.4   | 87.5   | 305.5  | 1001.1 |  |  |  |
| G69.0 | 82.8   | 0.0    | 8.4    | 12.5   | 77.2   | 286.8  | 921.3  |  |  |  |
| G70.0 | 64.0   | 7.6    | 9.0    | 9.5    | 69.7   | 266.8  | 838.1  |  |  |  |
| G71.0 | 65.1   | 8.3    | 9.7    | 11.3   | 60.2   | 246.7  | 776.3  |  |  |  |
| G72.0 | 57.9   | 7.9    | 10.2   | 0.0    | 46.8   | 228.7  | 709.8  |  |  |  |
| G73.0 | 40.7   | 8.5    | 9.5    | 13.0   | 43.7   | 205.4  | 651.4  |  |  |  |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 7)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G74.0  | 38.7   | 9.4    | 7.7    | 12.5   | 38.4   | 189.9  | 595.5  |  |  |  |
| G75.0  | 32.6   | 10.1   | 0.0    | 9.5    | 39.6   | 171.0  | 543.9  |  |  |  |
| G76.0  | 29.9   | 7.4    | 9.9    | 7.2    | 35.8   | 158.2  | 491.7  |  |  |  |
| G77.0  | 34.4   | 8.3    | 11.1   | 11.3   | 35.1   | 144.8  | 444.9  |  |  |  |
| G78.0  | 22.9   | 7.7    | 7.7    | 8.2    | 26.5   | 139.8  | 402.1  |  |  |  |
| G79.0  | 28.7   | 0.0    | 14.0   | 12.9   | 30.1   | 120.9  | 361.8  |  |  |  |
| G80.0  | 33.0   | 10.6   | 12.0   | 10.0   | 29.4   | 112.0  | 322.2  |  |  |  |
| G81.0  | 32.3   | 8.6    | 10.2   | 10.2   | 28.3   | 103.8  | 284.3  |  |  |  |
| G82.0  | 30.1   | 7.6    | 9.9    | 11.4   | 26.0   | 98.9   | 259.6  |  |  |  |
| G83.0  | 30.7   | 7.7    | 10.7   | 14.1   | 28.7   | 92.4   | 229.1  |  |  |  |
| G84.0  | 31.7   | 0.0    | 10.7   | 12.7   | 24.6   | 83.9   | 203.5  |  |  |  |
| G85.0  | 31.4   | 9.9    | 9.3    | 13.8   | 24.6   | 81.6   | 181.9  |  |  |  |
| G86.0  | 25.6   | 7.9    | 9.7    | 7.3    | 18.3   | 79.3   | 162.9  |  |  |  |
| G87.0  | 32.4   | 9.7    | 11.6   | 13.0   | 23.1   | 76.2   | 144.3  |  |  |  |
| G88.0  | 29.6   | 8.1    | 14.0   | 14.3   | 26.9   | 71.8   | 127.6  |  |  |  |
| G89.0  | 20.6   | 8.5    | 13.8   | 8.6    | 23.3   | 67.0   | 114.3  |  |  |  |
| G90.0  | 28.9   | 0.0    | 9.9    | 9.8    | 22.4   | 65.2   | 98.8   |  |  |  |
| G91.0  | 23.3   | 9.2    | 14.3   | 13.2   | 26.9   | 64.8   | 97.4   |  |  |  |
| G92.0  | 24.0   | 0.0    | 9.7    | 13.2   | 26.2   | 63.8   | 95.5   |  |  |  |
| G93.0  | 26.5   | 8.6    | 12.9   | 14.3   | 22.8   | 63.6   | 86.8   |  |  |  |
| G94.0  | 22.0   | 10.4   | 9.3    | 13.2   | 24.4   | 57.4   | 88.2   |  |  |  |
| G95.0  | 26.5   | 10.6   | 12.2   | 13.9   | 22.9   | 56.8   | 85.5   |  |  |  |
| G96.0  | 28.0   | 12.4   | 13.8   | 11.8   | 20.6   | 52.5   | 82.9   |  |  |  |
| G97.0  | 20.3   | 8.5    | 11.8   | 16.8   | 23.3   | 56.8   | 82.0   |  |  |  |
| G98.0  | 21.2   | 10.3   | 12.9   | 14.8   | 24.4   | 54.5   | 83.2   |  |  |  |
| G99.0  | 19.5   | 11.0   | 11.8   | 15.9   | 21.0   | 31.2   | 78.4   |  |  |  |
| G100.0 | 14.9   | 8.3    | 13.8   | 10.7   | 19.2   | 44.4   | 80.2   |  |  |  |
| G101.0 | 22.0   | 12.6   | 15.2   | 15.5   | 21.3   | 38.3   | 82.2   |  |  |  |
| G102.0 | 23.7   | 8.8    | 12.7   | 15.5   | 20.4   | 40.8   | 83.4   |  |  |  |
| G103.0 | 21.3   | 13.1   | 14.0   | 15.2   | 20.3   | 43.3   | 80.0   |  |  |  |
| G104.0 | 24.0   | 13.3   | 13.3   | 13.2   | 23.1   | 37.1   | 81.6   |  |  |  |
| G105.0 | 22.2   | 11.2   | 10.9   | 14.1   | 17.2   | 43.6   | 81.3   |  |  |  |
| G106.0 | 26.2   | 9.2    | 13.3   | 15.2   | 22.9   | 32.4   | 80.6   |  |  |  |
| G107.0 | 21.5   | 9.5    | 15.2   | 17.0   | 17.6   | 35.3   | 79.3   |  |  |  |
| G108.0 | 19.7   | 11.7   | 17.9   | 16.3   | 18.3   | 27.1   | 76.5   |  |  |  |
| G109.0 | 16.7   | 9.7    | 9.0    | 12.3   | 14.9   | 35.3   | 73.8   |  |  |  |
| G110.0 | 23.3   | 9.2    | 16.1   | 15.2   | 18.6   | 34.6   | 74.2   |  |  |  |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 8)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G111.0 | 22.6   | 12.4   | 13.1   | 13.9   | 14.7   | 33.0   | 72.2   |  |  |  |
| G112.0 | 22.6   | 7.9    | 19.2   | 14.1   | 16.3   | 34.4   | 72.9   |  |  |  |
| G113.0 | 17.2   | 9.9    | 16.1   | 14.1   | 17.9   | 33.3   | 68.0   |  |  |  |
| G114.0 | 19.0   | 10.6   | 13.1   | 10.2   | 19.0   | 27.6   | 70.6   |  |  |  |
| G115.0 | 19.2   | 11.5   | 14.1   | 12.0   | 16.1   | 29.4   | 66.9   |  |  |  |
| G116.0 | 21.0   | 16.0   | 11.6   | 15.7   | 17.4   | 27.4   | 64.4   |  |  |  |
| G117.0 | 18.6   | 9.4    | 11.5   | 12.5   | 18.3   | 23.3   | 64.2   |  |  |  |
| G118.0 | 20.8   | 9.7    | 13.3   | 15.0   | 19.7   | 27.8   | 59.3   |  |  |  |
| G119.0 | 21.0   | 12.8   | 16.7   | 11.1   | 14.5   | 28.1   | 60.9   |  |  |  |
| G120.0 | 18.6   | 9.9    | 12.2   | 16.3   | 16.3   | 28.5   | 54.7   |  |  |  |
| G121.0 | 17.4   | 11.7   | 14.9   | 17.9   | 19.5   | 25.5   | 54.8   |  |  |  |
| G122.0 | 19.0   | 8.8    | 13.4   | 15.4   | 17.6   | 17.5   | 57.0   |  |  |  |
| G123.0 | 16.0   | 13.9   | 16.1   | 14.7   | 18.5   | 27.6   | 46.5   |  |  |  |
| G124.0 | 17.4   | 12.1   | 16.5   | 20.4   | 12.0   | 23.9   | 45.4   |  |  |  |
| G125.0 | 16.5   | 12.6   | 15.9   | 19.3   | 21.9   | 26.5   | 38.9   |  |  |  |
| G126.0 | 21.0   | 13.0   | 19.2   | 16.1   | 16.7   | 25.6   | 40.6   |  |  |  |
| G127.0 | 17.0   | 10.1   | 18.8   | 17.3   | 14.5   | 23.3   | 45.1   |  |  |  |
| G128.0 | 19.0   | 9.2    | 10.0   | 14.7   | 10.9   | 23.2   | 40.8   |  |  |  |
| G129.0 | 17.8   | 11.0   | 16.1   | 16.6   | 13.1   | 24.4   | 39.8   |  |  |  |
| G130.0 | 20.4   | 11.7   | 15.0   | 18.1   | 13.6   | 18.7   | 43.8   |  |  |  |
| G131.0 | 18.8   | 13.7   | 15.9   | 19.7   | 15.6   | 25.1   | 38.5   |  |  |  |
| G132.0 | 19.2   | 13.3   | 14.7   | 17.7   | 13.3   | 26.0   | 35.7   |  |  |  |
| G133.0 | 18.1   | 12.1   | 15.9   | 17.5   | 14.7   | 23.5   | 34.6   |  |  |  |
| G134.0 | 19.5   | 15.0   | 16.5   | 18.2   | 17.9   | 24.4   | 35.3   |  |  |  |
| G135.0 | 18.8   | 7.9    | 14.5   | 15.5   | 14.5   | 20.1   | 31.6   |  |  |  |
| G136.0 | 18.5   | 14.6   | 13.3   | 15.4   | 22.0   | 23.9   | 32.8   |  |  |  |
| G137.0 | 19.4   | 13.5   | 13.6   | 18.6   | 15.6   | 21.4   | 30.9   |  |  |  |
| G138.0 | 14.5   | 7.4    | 15.4   | 17.9   | 16.8   | 16.9   | 33.0   |  |  |  |
| G139.0 | 19.7   | 15.1   | 18.1   | 19.3   | 16.3   | 23.2   | 25.5   |  |  |  |
| G140.0 | 19.0   | 14.8   | 19.9   | 18.8   | 21.5   | 13.5   | 19.5   |  |  |  |
| G141.0 | 20.4   | 14.4   | 16.5   | 16.6   | 18.3   | 20.5   | 26.3   |  |  |  |
| G142.0 | 20.1   | 17.8   | 17.4   | 18.1   | 19.9   | 19.1   | 29.8   |  |  |  |
| G143.0 | 24.0   | 18.4   | 18.6   | 20.4   | 14.9   | 15.7   | 26.4   |  |  |  |
| G144.0 | 16.8   | 14.6   | 19.0   | 19.1   | 14.3   | 15.3   | 25.5   |  |  |  |
| G145.0 | 22.0   | 16.4   | 19.5   | 12.3   | 16.8   | 18.5   | 23.1   |  |  |  |
| G146.0 | 20.4   | 11.7   | 20.6   | 20.6   | 21.7   | 19.2   | 22.2   |  |  |  |
| G147.0 | 17.8   | 16.2   | 17.0   | 22.2   | 22.2   | 13.9   | 24.8   |  |  |  |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 9)

Unit: cd

| G\C    | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G148.0 | 16.1   | 16.4   | 19.7   | 19.3   | 22.2   | 19.2   | 18.6   |  |  |  |
| G149.0 | 22.6   | 14.8   | 22.4   | 16.1   | 21.5   | 16.0   | 23.1   |  |  |  |
| G150.0 | 23.8   | 15.5   | 22.0   | 22.2   | 19.9   | 19.6   | 23.4   |  |  |  |
| G151.0 | 23.8   | 19.1   | 17.0   | 17.5   | 18.8   | 15.3   | 12.2   |  |  |  |
| G152.0 | 27.1   | 19.8   | 22.0   | 19.8   | 18.5   | 15.9   | 18.6   |  |  |  |
| G153.0 | 26.5   | 20.4   | 17.0   | 20.0   | 21.0   | 20.1   | 16.7   |  |  |  |
| G154.0 | 18.6   | 13.1   | 20.6   | 22.5   | 23.5   | 17.3   | 18.6   |  |  |  |
| G155.0 | 22.4   | 17.5   | 19.7   | 20.9   | 22.2   | 16.9   | 14.9   |  |  |  |
| G156.0 | 27.2   | 15.7   | 19.2   | 18.6   | 23.5   | 17.3   | 9.8    |  |  |  |
| G157.0 | 24.9   | 20.0   | 17.6   | 21.8   | 23.8   | 15.9   | 14.0   |  |  |  |
| G158.0 | 26.9   | 16.4   | 20.6   | 18.6   | 22.9   | 16.6   | 14.0   |  |  |  |
| G159.0 | 26.0   | 23.6   | 18.1   | 17.3   | 21.0   | 21.6   | 9.0    |  |  |  |
| G160.0 | 21.7   | 17.1   | 21.5   | 21.6   | 18.3   | 16.6   | 16.0   |  |  |  |
| G161.0 | 27.2   | 18.2   | 21.1   | 17.5   | 21.9   | 21.7   | 15.8   |  |  |  |
| G162.0 | 25.3   | 12.4   | 16.7   | 21.3   | 24.4   | 20.0   | 15.4   |  |  |  |
| G163.0 | 24.0   | 20.9   | 22.9   | 18.1   | 24.2   | 17.1   | 17.6   |  |  |  |
| G164.0 | 25.3   | 15.5   | 22.0   | 23.6   | 16.8   | 20.8   | 16.9   |  |  |  |
| G165.0 | 27.6   | 20.5   | 15.6   | 23.6   | 26.5   | 20.3   | 14.9   |  |  |  |
| G166.0 | 21.0   | 18.7   | 20.4   | 22.0   | 23.5   | 18.2   | 16.3   |  |  |  |
| G167.0 | 22.2   | 22.3   | 24.7   | 23.2   | 24.9   | 18.0   | 14.9   |  |  |  |
| G168.0 | 26.9   | 18.4   | 21.1   | 29.3   | 21.9   | 22.4   | 15.4   |  |  |  |
| G169.0 | 28.0   | 20.5   | 23.1   | 22.5   | 21.3   | 22.3   | 14.7   |  |  |  |
| G170.0 | 25.6   | 18.0   | 22.6   | 23.1   | 23.7   | 16.6   | 12.4   |  |  |  |
| G171.0 | 27.8   | 20.9   | 26.0   | 22.0   | 19.5   | 21.0   | 13.7   |  |  |  |
| G172.0 | 26.7   | 19.1   | 24.4   | 20.9   | 26.2   | 18.5   | 12.2   |  |  |  |
| G173.0 | 25.8   | 18.0   | 24.9   | 25.4   | 21.2   | 21.9   | 17.2   |  |  |  |
| G174.0 | 23.3   | 21.1   | 19.9   | 21.1   | 22.6   | 21.6   | 15.4   |  |  |  |
| G175.0 | 28.1   | 16.0   | 23.3   | 24.1   | 24.6   | 23.7   | 19.0   |  |  |  |
| G176.0 | 25.8   | 18.2   | 19.0   | 16.1   | 20.1   | 19.8   | 13.5   |  |  |  |
| G177.0 | 25.3   | 19.8   | 18.3   | 20.0   | 21.7   | 18.0   | 15.6   |  |  |  |
| G178.0 | 26.2   | 14.0   | 20.4   | 20.2   | 23.1   | 22.6   | 17.4   |  |  |  |
| G179.0 | 25.3   | 16.2   | 19.9   | 12.2   | 19.9   | 19.4   | 17.0   |  |  |  |
| G180.0 | 21.5   | 16.4   | 19.9   | 13.2   | 21.3   | 17.1   | 16.7   |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |
|        |        |        |        |        |        |        |        |  |  |  |

C Plane (°):0.0-360.0: 22.5  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25.3 'C  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-3000  
 Distance: 14.140 m [K=1.0000]  
 Humidity:  
 Inspector: