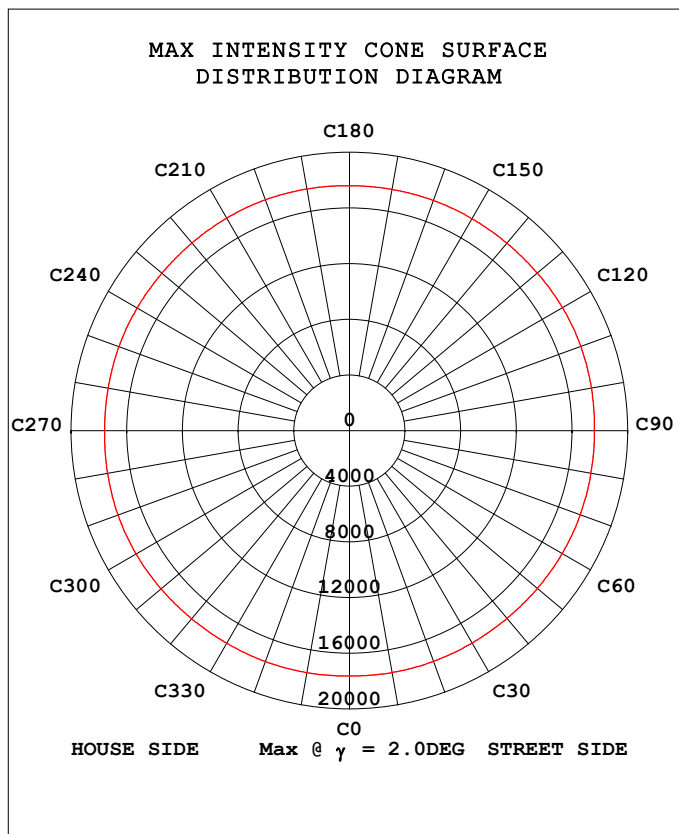
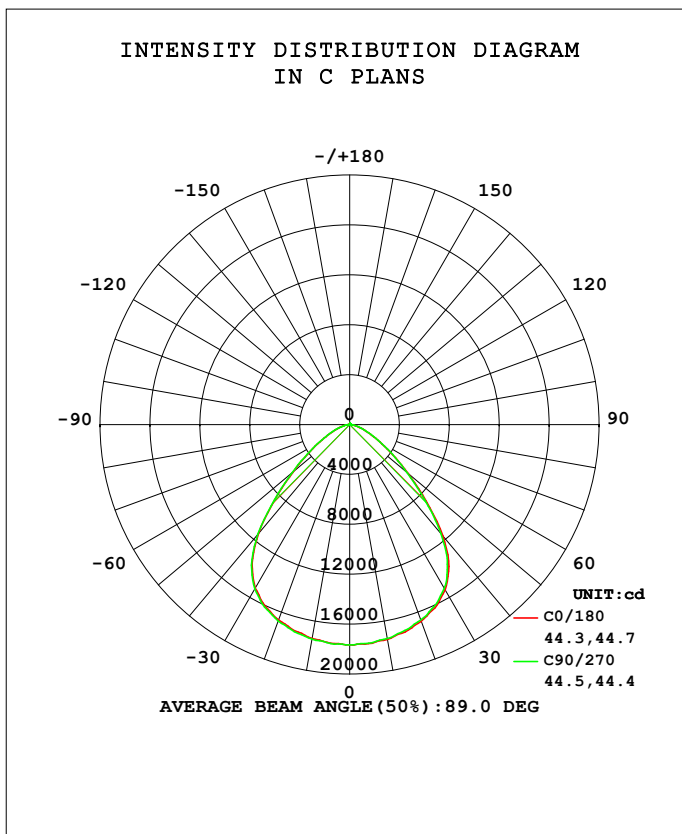


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.38V I:0.8141A P:227.21W PF:0.9954 Freq:60.01Hz Lamp Flux:35804.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.58 lm/W			
MODEL		I _{max} (cd)	17713	η street_up (%)	0.3
NOMINAL POWER (W)	240	LOR (%)	100.0	η street_down (%)	49.9
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	35804	η house_up (%)	0.2
NOMINAL FLUX (lm)	35804.3	MAXIMUM @ (C, γ)	293,2.0	η house_down (%)	49.6
LAMPS INSIDE	1	η up (%)	0.5	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	277	η down (%)	99.5	SLI	21.830

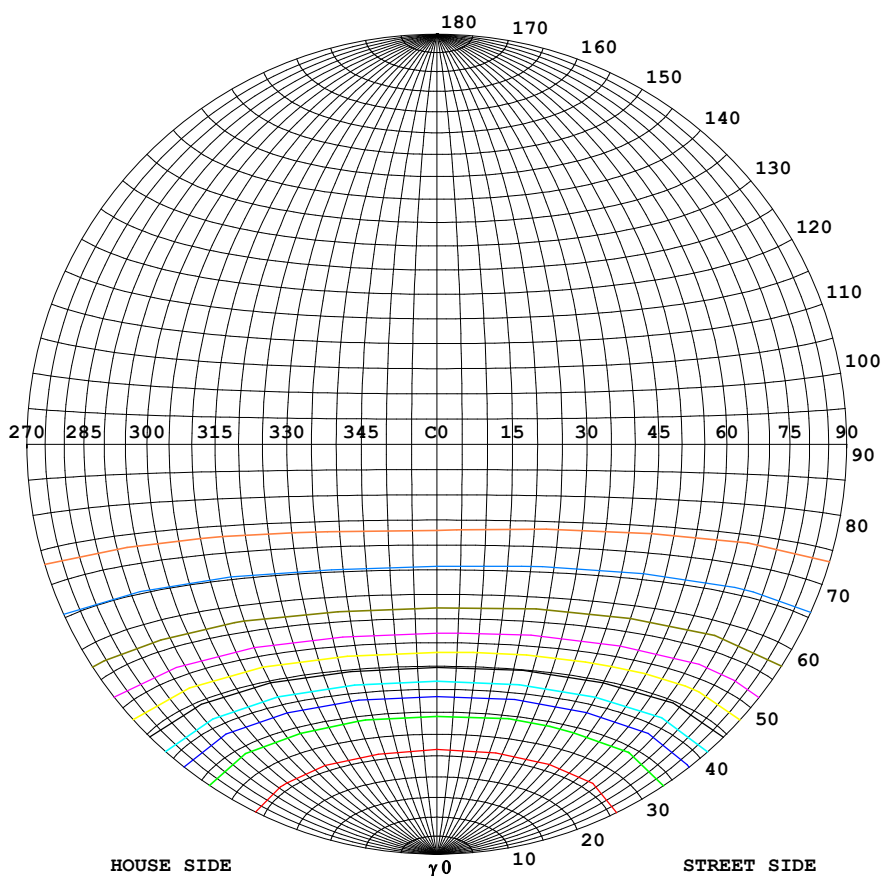


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:280.38V I:0.8141A P:227.21W PF:0.9954 Freq:60.01Hz Lamp Flux:35804.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

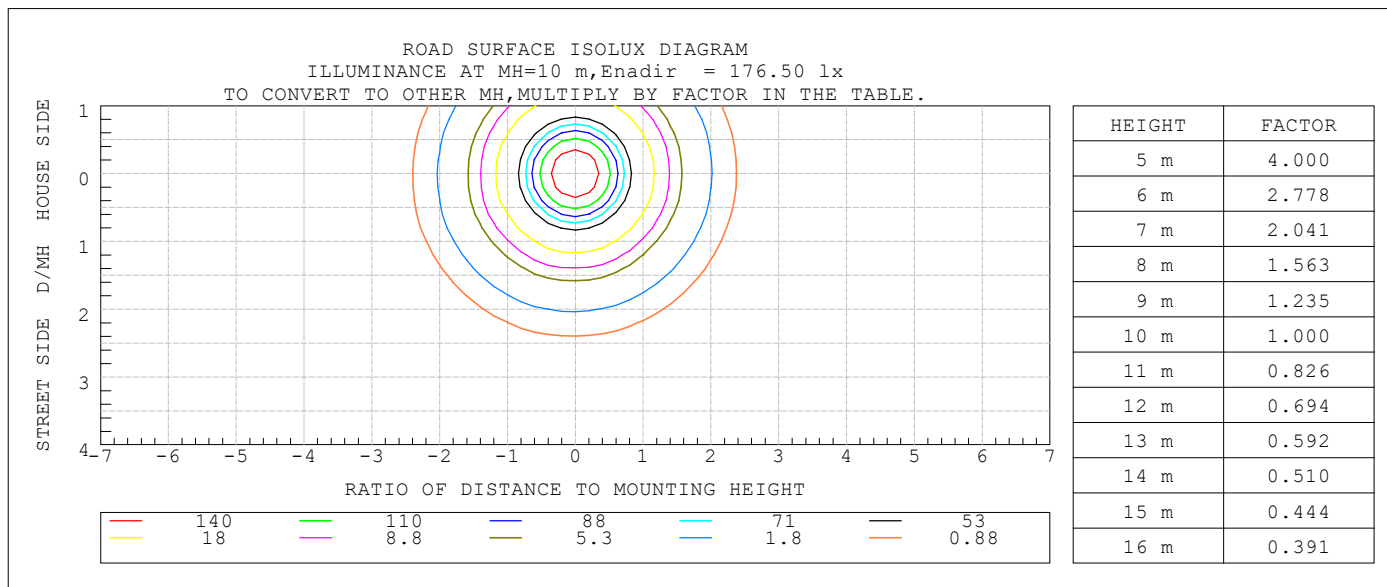
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:11.89cd/klm
Max.At90:0.4377cd/klm
Max.80-90:11.89cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I _{max} =100%		17713
90%		15942
80%		14171
70%		12399
60%		10628
50%		8857
40%		7085
30%		5314
20%		3543
10%		1771
5%		886

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:280.38V I:0.8141A P:227.21W PF:0.9954 Freq:60.01Hz Lamp Flux:35804.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

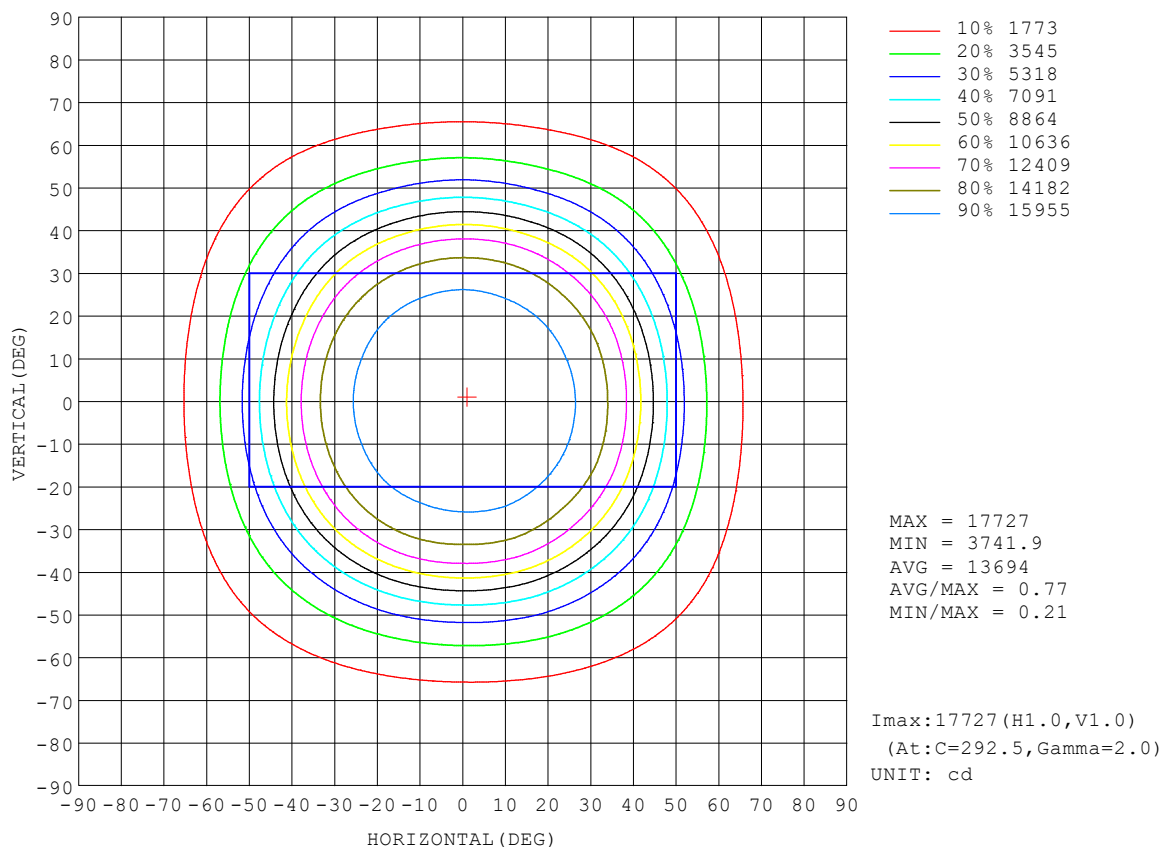
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1748	1743	1741	1741	1739	1743	1746	1747	0- 10	1674	1674	4.68,4.68
20	1679	1672	1667	1663	1667	1672	1676	1676	10- 20	4842	6516	18.2,18.2
30	1531	1526	1518	1514	1513	1517	1522	1513	20- 30	7410	13926	38.9,38.9
40	1163	1152	1140	1136	1133	1133	1145	1145	30- 40	8488	22414	62.6,62.6
50	613.0	614.8	604.5	591.4	598.6	600.6	607.2	600.0	40- 50	6617	29031	81.1,81.1
60	281.9	290.3	282.8	270.6	274.5	278.4	278.7	277.0	50- 60	3787	32817	91.7,91.7
70	119.2	123.9	120.5	115.3	115.9	118.3	117.4	117.3	60- 70	1877	34695	96.9,96.9
80	31.33	38.51	40.60	38.79	37.21	37.77	37.84	38.85	70- 80	783.8	35479	99.1,99.1
90	0.4506	0.8214	1.271	1.426	0.3500	0.6086	0.6666	0.5938	80- 90	158.3	35637	99.5,99.5
100	0.6576	0.9907	1.320	1.379	0.2498	0.5190	0.5653	0.4929	90-100	8.215	35645	99.6,99.6
110	1.279	1.633	1.888	1.853	0.2581	0.5897	0.6296	0.5617	100-110	9.775	35655	99.6,99.6
120	2.242	2.625	2.769	2.807	0.5472	0.8401	0.9375	0.8632	110-120	13.67	35668	99.6,99.6
130	3.471	3.749	3.909	3.752	1.442	1.778	1.760	1.669	120-130	19.56	35688	99.7,99.7
140	4.796	5.034	5.155	4.839	2.795	3.171	3.031	2.951	130-140	25.50	35714	99.7,99.7
150	6.229	6.418	6.334	6.269	4.448	4.793	4.667	4.575	140-150	29.47	35743	99.8,99.8
160	7.596	8.030	7.914	7.660	6.534	6.957	6.839	6.728	150-160	29.21	35772	99.9,99.9
170	9.063	9.505	9.153	9.132	8.798	8.964	9.277	9.155	160-170	23.01	35795	100,100
180	9.279	9.460	9.795	9.601	9.424	9.647	9.972	9.784	170-180	9.129	35804	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ISOCANDELA DIAGRAM

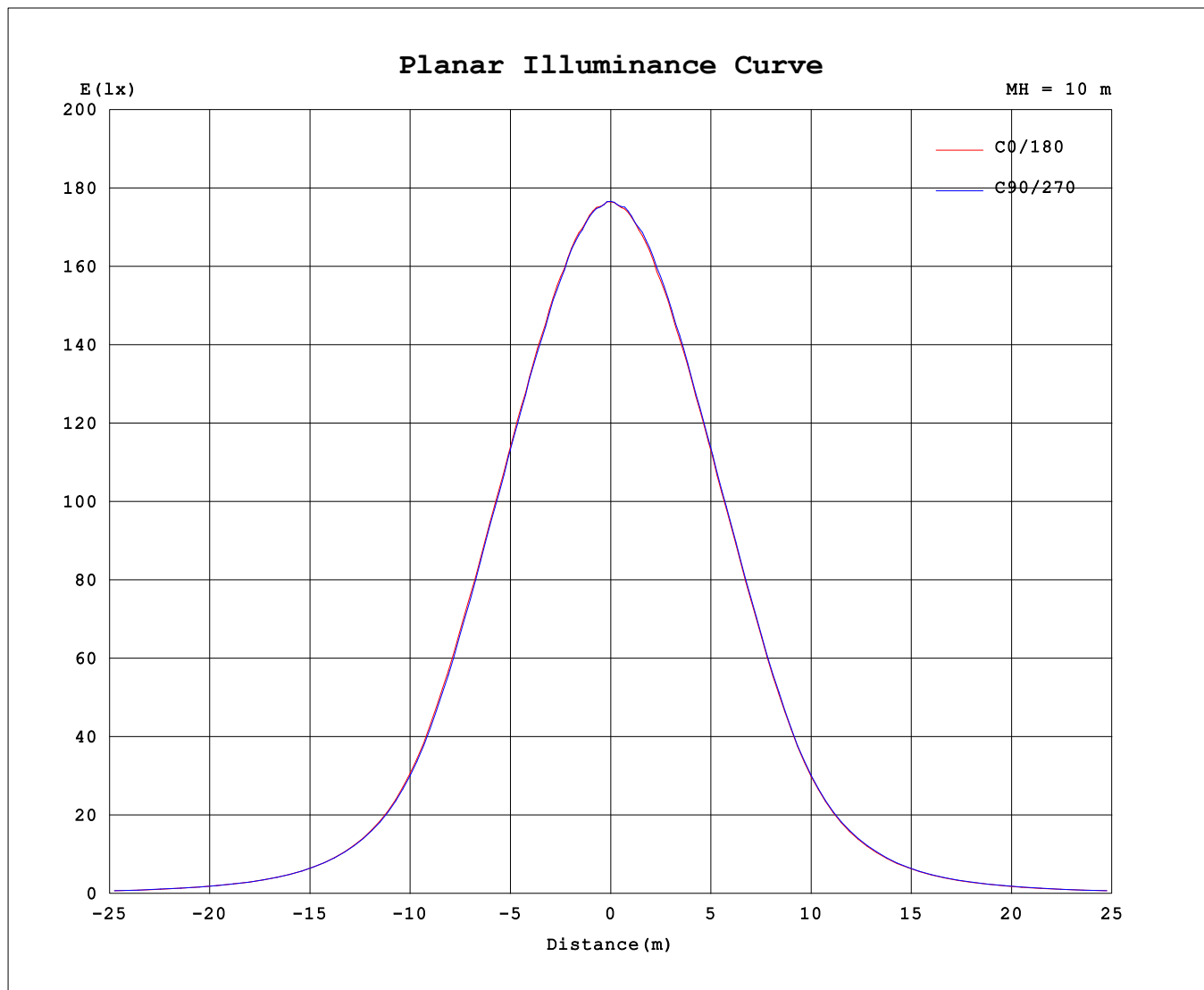
Test:U:280.38V I:0.8141A P:227.21W PF:0.9954 Freq:60.01Hz Lamp Flux:35804.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

Planar Illuminance Curve

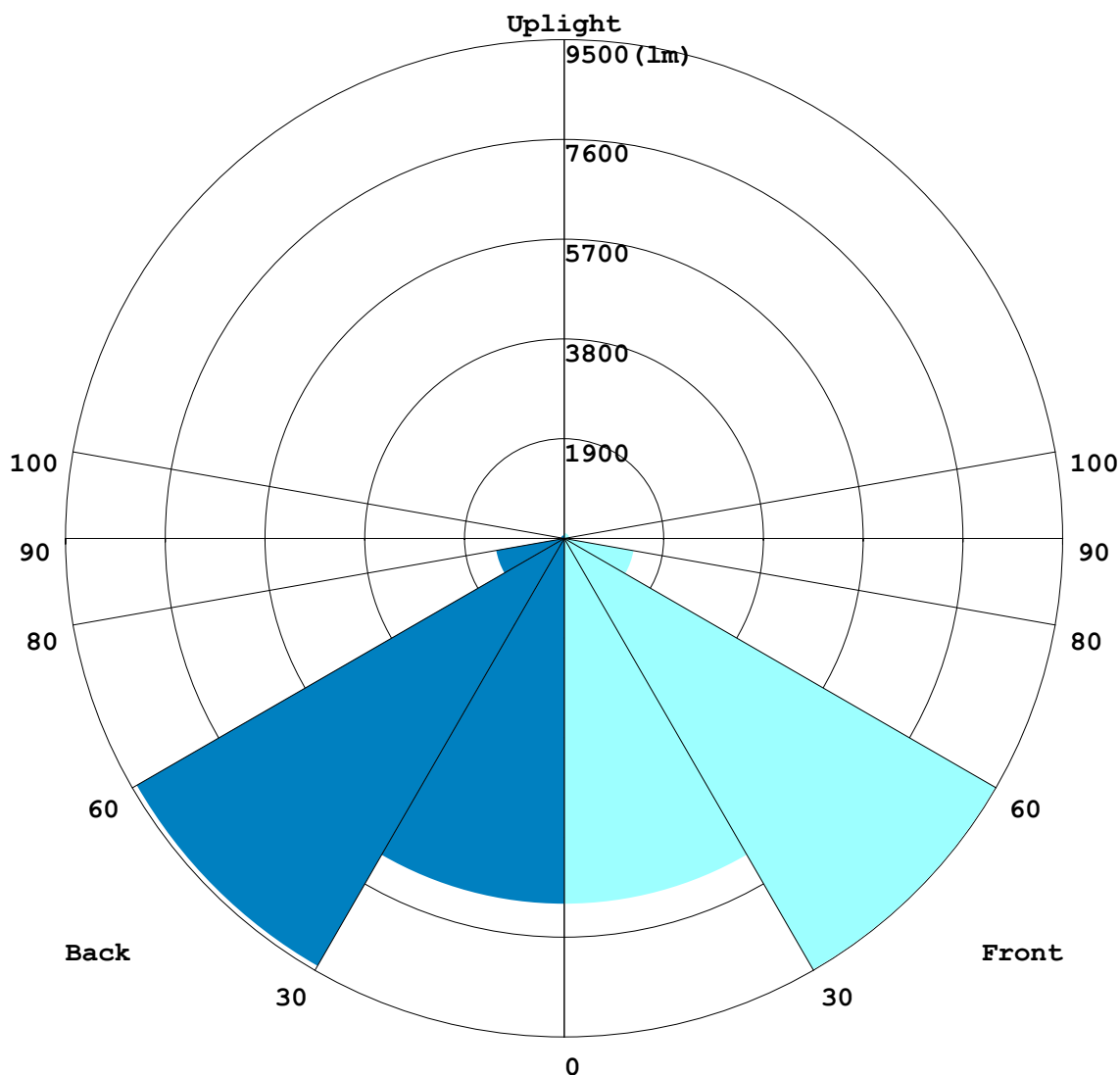


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

LCS REPORT

Test:U:280.38V I:0.8141A P:227.21W PF:0.9954 Freq:60.01Hz Lamp Flux:35804.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 23.5℃
 Operators:DAMIN
 Test Date:2023-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
 Humidity: 100.0%
 Test Distance:26.000m [K=0.4205]
 Remarks:

BUG REPORT

Test:U:280.38V I:0.8141A P:227.21W PF:0.9954 Freq:60.01Hz Lamp Flux:35804.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	6962.6	19.4
FM - Front-Medium(30-60)	9486.6	26.5
FH - Front-High(60-80)	1346.1	3.8
FVH - Front-Very High(80-90)	79.295	0.2
Total Forward Light	17979	50.2

BL - Back-Low(0-30)	6963.6	19.4
BM - Back-Medium(30-60)	9404.7	26.3
BH - Back-High(60-80)	1315	3.7
BVH - Back-Very High(80-90)	78.967	0.2
Total Back Light	17825	49.8

UL - Uplight-Low(90-100)	8.2146	0.0
UH - Uplight-High(100-180)	159.31	0.4
Total Up Light	167.53	0.5

BUG(Back,Up,Glare) Rating	B5-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	17762	62.901	17825
Street Side	17874	104.63	17979

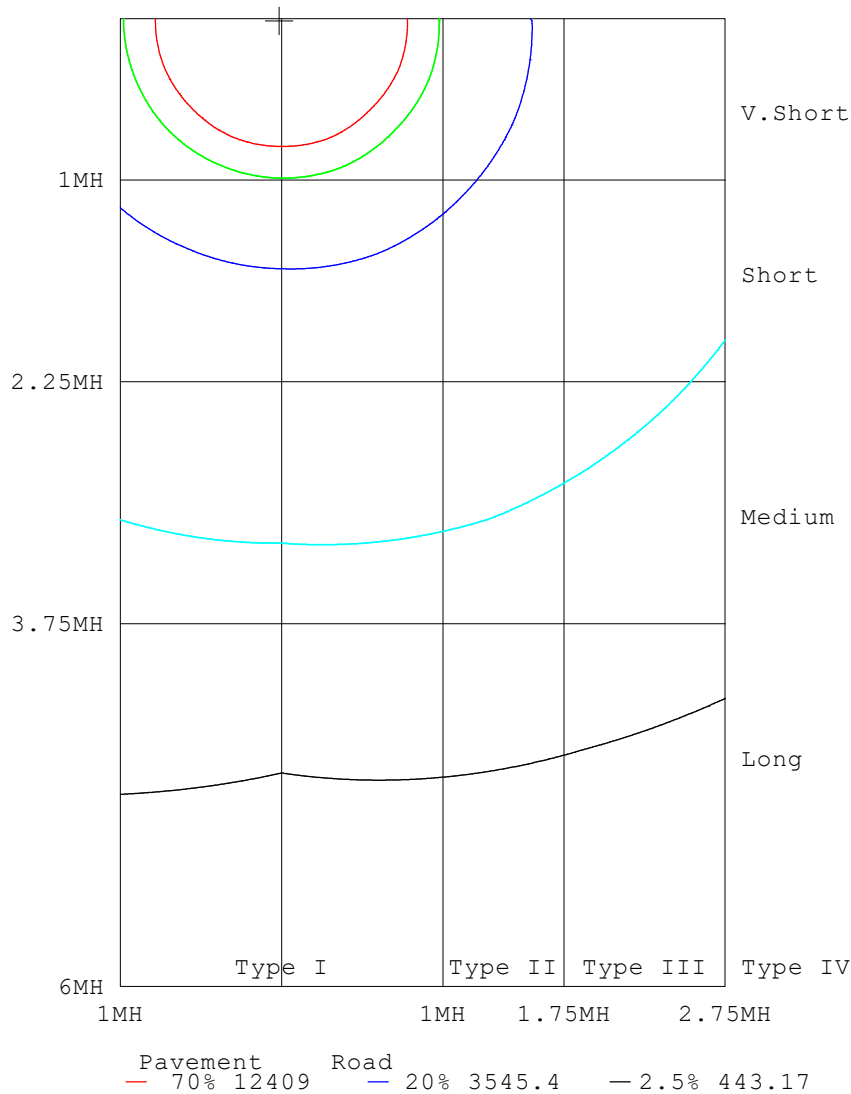
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:280.38V I:0.8141A P:227.21W PF:0.9954 Freq:60.01Hz Lamp Flux:35804.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:280.38V I:0.8141A P:227.21W PF:0.9954 Freq:60.01Hz Lamp Flux:35804.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766	1766			
5	1763	1764	1760	1760	1759	1759	1757	1759	1759	1758	1758	1763	1761	1762	1763	1763			
10	1748	1750	1743	1743	1741	1739	1741	1739	1739	1739	1743	1745	1746	1748	1747	1749			
15	1722	1720	1715	1714	1709	1711	1708	1710	1710	1711	1713	1716	1718	1720	1719	1723			
20	1679	1680	1672	1672	1667	1671	1663	1665	1667	1668	1672	1675	1676	1677	1676	1675			
25	1621	1623	1615	1612	1607	1611	1605	1607	1607	1605	1610	1613	1614	1617	1605	1613			
30	1531	1534	1526	1521	1518	1520	1514	1516	1513	1509	1517	1517	1522	1521	1513	1522			
35	1388	1395	1379	1380	1367	1374	1366	1367	1364	1358	1367	1367	1374	1377	1366	1388			
40	1163	1170	1152	1151	1140	1146	1136	1140	1133	1123	1133	1132	1145	1149	1145	1161			
45	869	878	864	867	852	854	843	848	845	836	847	843	854	854	857	863			
50	613	623	615	618	605	603	591	599	599	594	601	600	607	601	600	605			
55	420	433	428	431	419	414	404	410	409	410	414	412	417	411	412	416			
60	282	293	290	291	283	278	271	273	274	275	278	275	279	274	277	278			
65	188	195	195	194	190	186	180	180	182	183	185	183	185	182	184	185			
70	119	124	124	124	120	120	115	114	116	116	118	117	117	117	117	117			
75	67.4	74.5	76.3	77.0	74.5	74.7	71.5	69.7	70.6	70.8	72.1	71.3	71.6	71.8	72.1	72.1			
80	31.3	31.1	38.5	42.6	40.6	41.4	38.8	37.2	37.2	37.0	37.8	37.5	37.8	38.3	38.8	38.7			
85	10.0	9.37	9.56	14.0	15.3	15.7	14.1	13.1	12.3	11.9	12.6	12.1	12.9	13.2	14.0	14.0			
90	0.45	0.52	0.82	1.10	1.27	1.57	1.43	1.13	0.35	0.41	0.61	0.77	0.67	0.69	0.59	0.55			
95	0.49	0.54	0.82	1.07	1.21	1.33	1.33	1.14	0.27	0.34	0.52	0.65	0.55	0.56	0.50	0.44			
100	0.66	0.70	0.99	1.23	1.32	1.36	1.38	1.28	0.25	0.33	0.52	0.62	0.57	0.53	0.49	0.43			
105	0.92	0.96	1.27	1.48	1.55	1.52	1.55	1.51	0.26	0.33	0.55	0.62	0.59	0.53	0.52	0.45			
110	1.28	1.32	1.63	1.84	1.89	1.82	1.85	1.85	0.26	0.35	0.59	0.66	0.63	0.56	0.56	0.49			
115	1.74	1.78	2.10	2.27	2.29	2.25	2.29	2.30	0.34	0.45	0.61	0.76	0.72	0.66	0.66	0.59			
120	2.24	2.31	2.63	2.78	2.77	2.78	2.81	2.83	0.55	0.66	0.84	0.97	0.94	0.88	0.86	0.80			
125	2.81	2.84	3.18	3.34	3.29	3.32	3.34	3.38	0.91	1.01	1.28	1.29	1.28	1.21	1.20	1.13			
130	3.47	3.45	3.75	3.91	3.91	3.82	3.75	3.85	1.44	1.58	1.78	1.79	1.76	1.70	1.67	1.62			
135	4.11	4.14	4.35	4.52	4.46	4.35	4.05	4.39	2.07	2.26	2.50	2.38	2.35	2.31	2.27	2.23			
140	4.80	4.83	5.03	5.16	5.15	4.94	4.84	4.83	2.79	2.97	3.17	3.10	3.03	2.98	2.95	2.91			
145	5.52	5.56	5.73	5.81	5.70	5.57	5.51	5.59	3.66	3.81	4.01	3.91	3.85	3.80	3.76	3.75			
150	6.23	6.30	6.42	6.50	6.33	6.28	6.27	6.29	4.45	4.61	4.79	4.76	4.67	4.62	4.58	4.58			
155	6.90	6.99	7.24	7.35	7.15	7.02	7.04	7.00	5.41	5.57	5.80	5.81	5.67	5.64	5.58	5.59			
160	7.60	7.68	8.03	8.08	7.91	7.81	7.66	7.67	6.53	6.67	6.96	6.96	6.84	6.77	6.73	6.72			
165	8.26	8.35	8.71	8.74	8.53	8.36	8.34	8.34	7.80	7.87	8.17	8.25	8.12	8.07	8.03	8.01			
170	9.06	9.16	9.51	9.43	9.15	9.14	9.13	9.16	8.80	8.84	8.96	9.34	9.28	9.19	9.16	9.12			
175	9.60	9.68	9.97	9.72	9.69	9.99	9.90	9.77	9.54	9.59	9.57	10.0	10.1	10.01	9.96	9.86			
180	9.28	9.35	9.46	9.37	9.79	9.72	9.60	9.53	9.42	9.52	9.65	9.54	9.97	9.90	9.78	9.71			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 23.5℃
Operators:DAMIN
Test Date:2023-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks: