

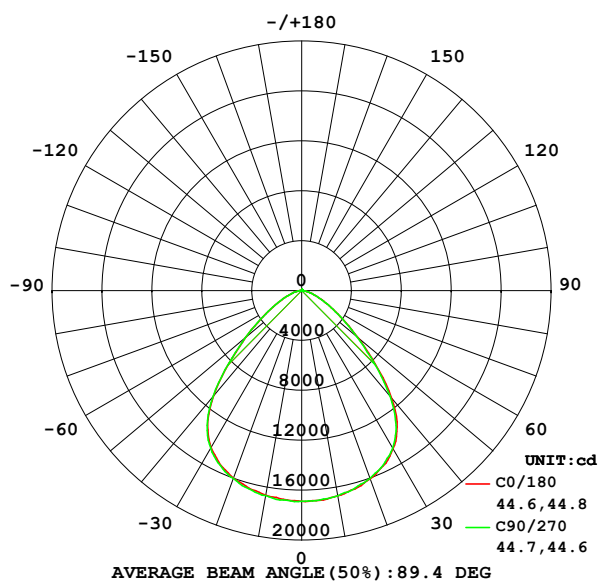
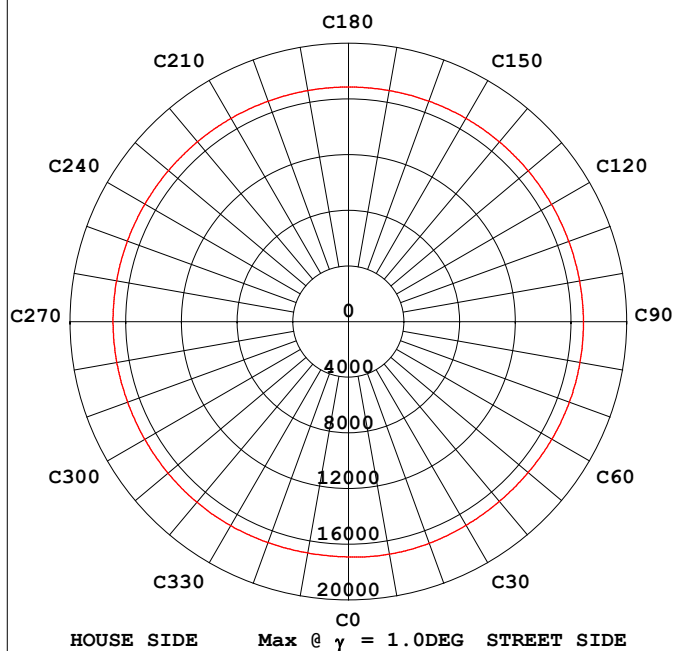
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:280.36V I:0.8555A P:238.85W PF:0.9958 Freq:60.01Hz

Lamp Flux:34451.5x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 144.24 lm/W
MODEL		I <sub>max</sub> (cd)	16945	η street_up (%)	0.3	
NOMINAL POWER (W)	240	LOR (%)	100.0	η street_down (%)	49.9	
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	34452	η house_up (%)	0.2	
NOMINAL FLUX (lm)	34451.5	MAXIMUM @ (C, γ )	315, 1.0	η house_down (%)	49.6	
LAMPS INSIDE	1	η up (%)	0.4	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	277	η down (%)	99.6	SLI	21.978	

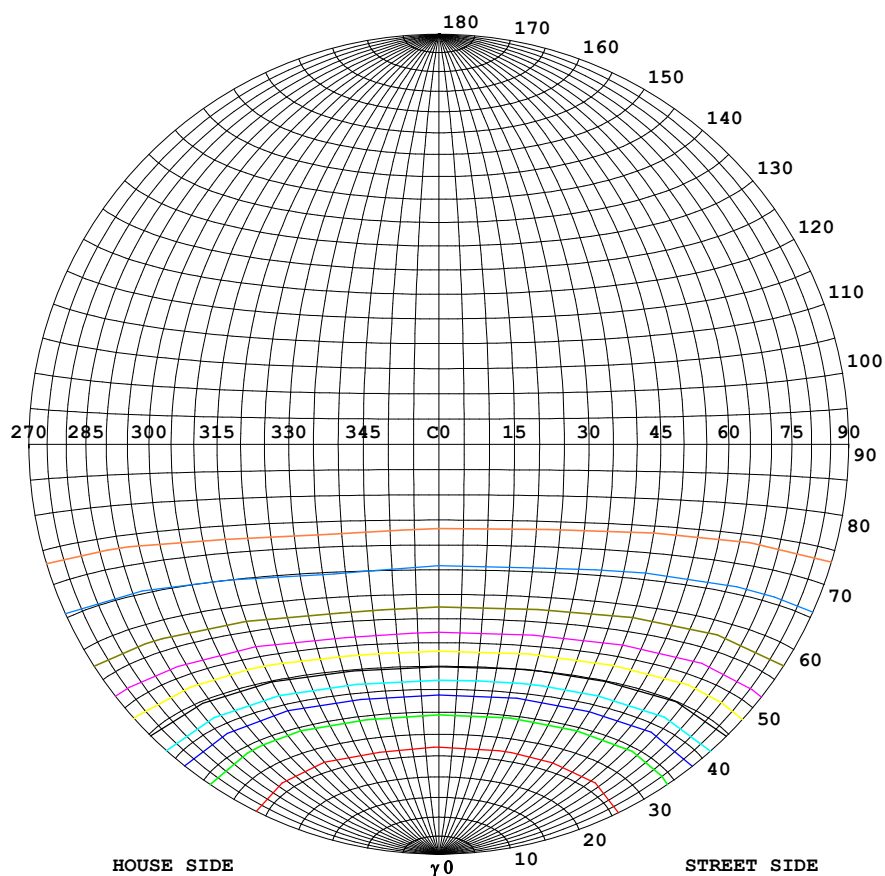
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

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:280.36V I:0.8555A P:238.85W PF:0.9958 Freq:60.01Hz Lamp Flux:34451.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



## Classification:

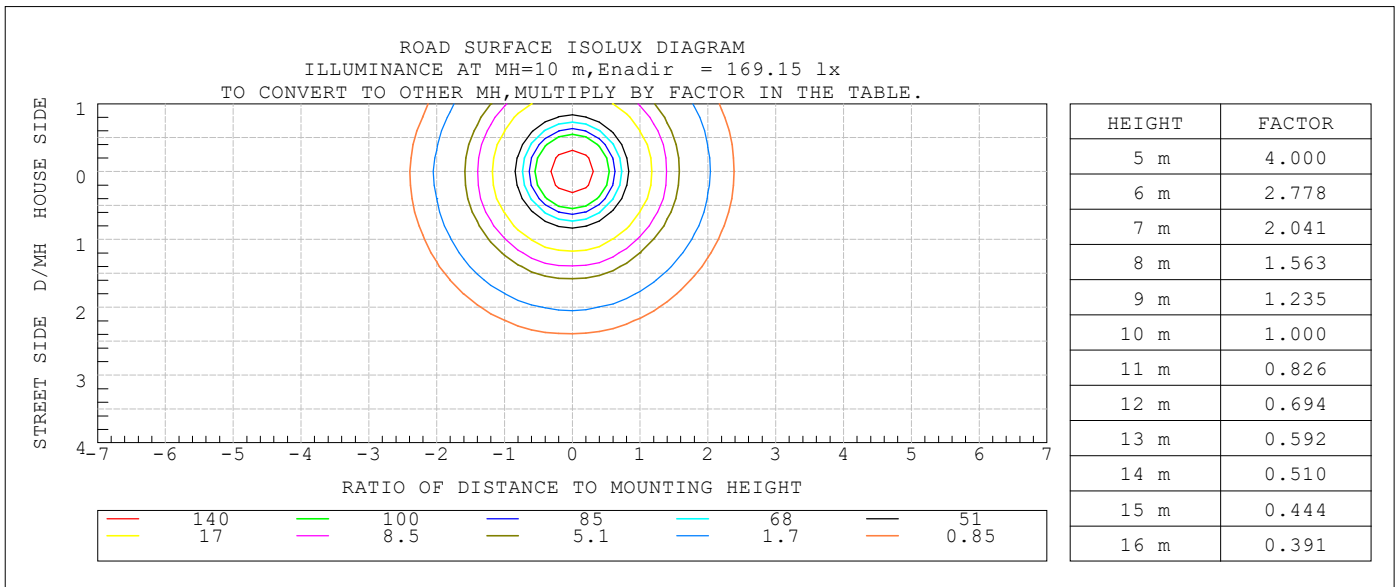
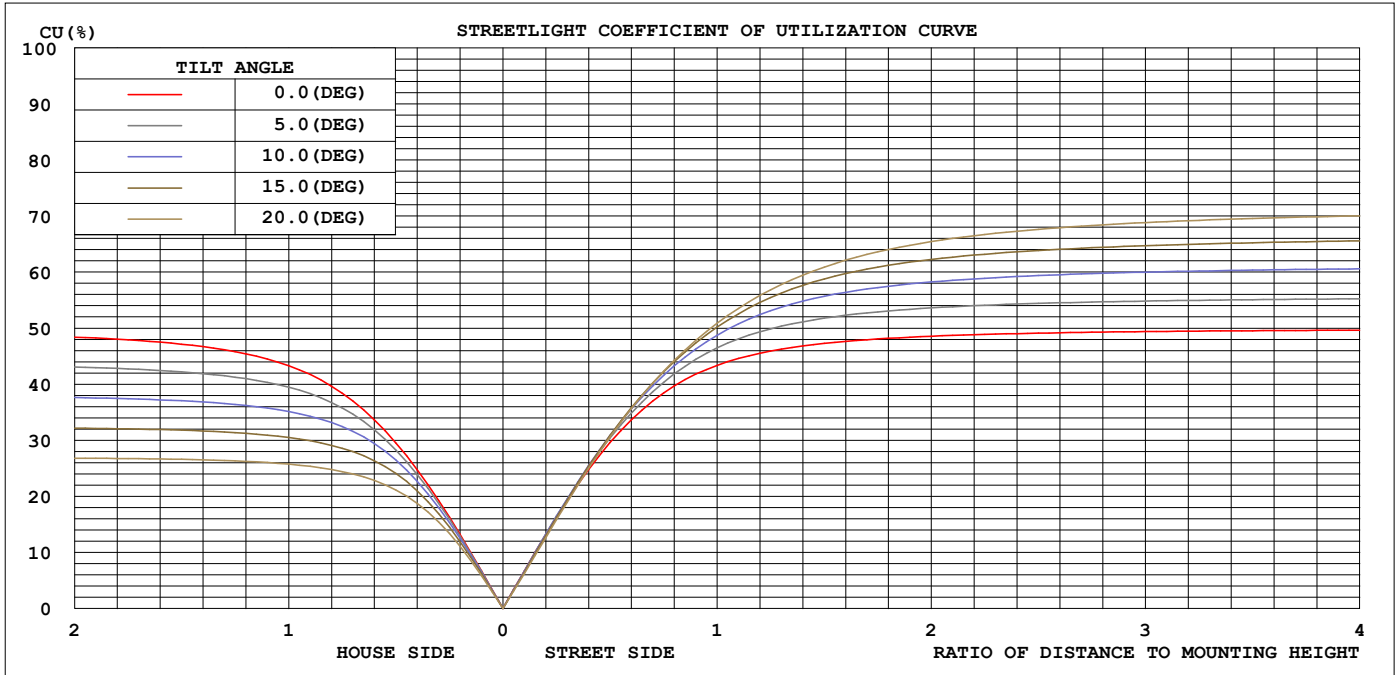
IES:Type V - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:11.86cd/klm  
Max.At90:0.1402cd/klm  
Max.80-90:11.86cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
I <sub>max</sub> =100%		16945
90%		15250
80%		13556
70%		11861
60%		10167
50%		8472
40%		6778
30%		5083
20%		3389
10%		1694
5%		847

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

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°C  
Operators:DAMIN  
Test Date:2023-12-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:280.36V I:0.8555A P:238.85W PF:0.9958 Freq:60.01Hz Lamp Flux:34451.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

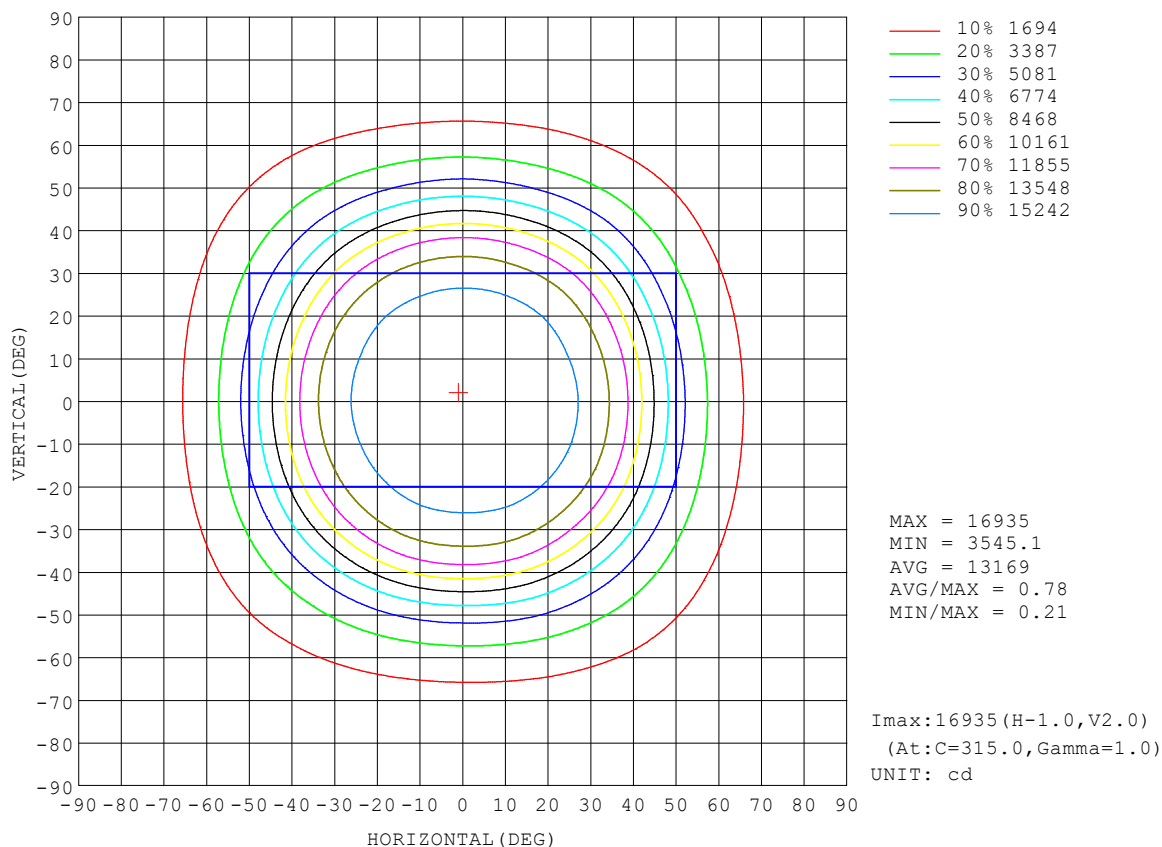
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1671	1669	1670	1666	1665	1667	1669	1671	0- 10	1603	1603	4.65,4.65
20	1607	1603	1602	1597	1600	1599	1603	1607	10- 20	4638	6241	18.1,18.1
30	1465	1466	1460	1454	1453	1453	1459	1466	20- 30	7111	13353	38.8,38.8
40	1120	1112	1103	1099	1098	1095	1104	1120	30- 40	8178	21531	62.5,62.5
50	592.8	598.0	584.5	574.0	585.9	583.8	589.1	587.1	40- 50	6415	27946	81.1,81.1
60	272.8	281.5	274.0	261.0	268.7	269.7	270.8	258.3	50- 60	3658	31604	91.7,91.7
70	115.1	119.9	115.9	110.3	113.4	114.5	113.6	107.8	60- 70	1799	33403	97,97
80	35.31	40.09	38.55	36.08	36.23	36.40	36.35	34.22	70- 80	752.5	34155	99.1,99.1
90	0.3628	0.4242	0.4441	0.4712	0.1522	0.2072	0.1855	0.2166	80- 90	154.0	34309	99.6,99.6
100	0.5154	0.5701	0.6050	0.6364	0.1020	0.1631	0.1308	0.1519	90-100	3.267	34313	99.6,99.6
110	1.115	1.148	1.208	1.162	0.1886	0.2400	0.2161	0.2409	100-110	5.370	34318	99.6,99.6
120	2.089	2.130	2.171	2.124	0.5153	0.5387	0.5382	0.5595	110-120	9.738	34328	99.6,99.6
130	3.247	3.300	3.311	3.283	1.362	1.370	1.369	1.390	120-130	16.12	34344	99.7,99.7
140	4.543	4.582	4.602	4.577	2.632	2.636	2.642	2.659	130-140	22.74	34367	99.8,99.8
150	5.987	6.028	6.053	6.039	4.202	4.213	4.229	4.240	140-150	27.26	34394	99.8,99.8
160	7.304	7.381	7.396	7.378	6.265	6.249	6.261	6.264	150-160	27.33	34421	99.9,99.9
170	8.727	8.791	8.772	8.756	8.494	8.517	8.521	8.518	160-170	21.61	34443	100,100
180	8.919	8.953	8.934	8.925	9.091	9.118	9.099	9.106	170-180	8.615	34452	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:2023-12-15

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

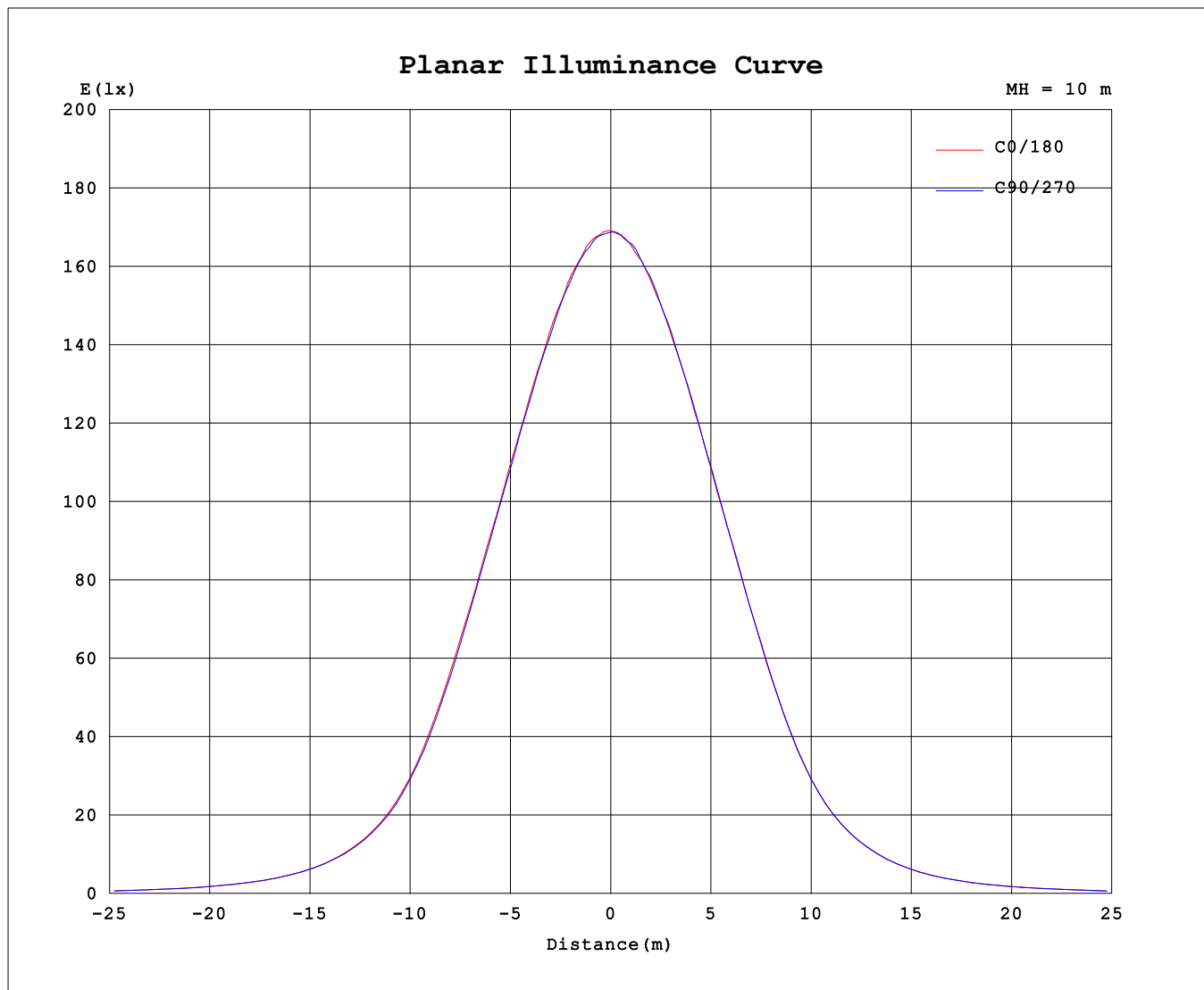
Test:U:280.36V I:0.8555A P:238.85W PF:0.9958 Freq:60.01Hz Lamp Flux:34451.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

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

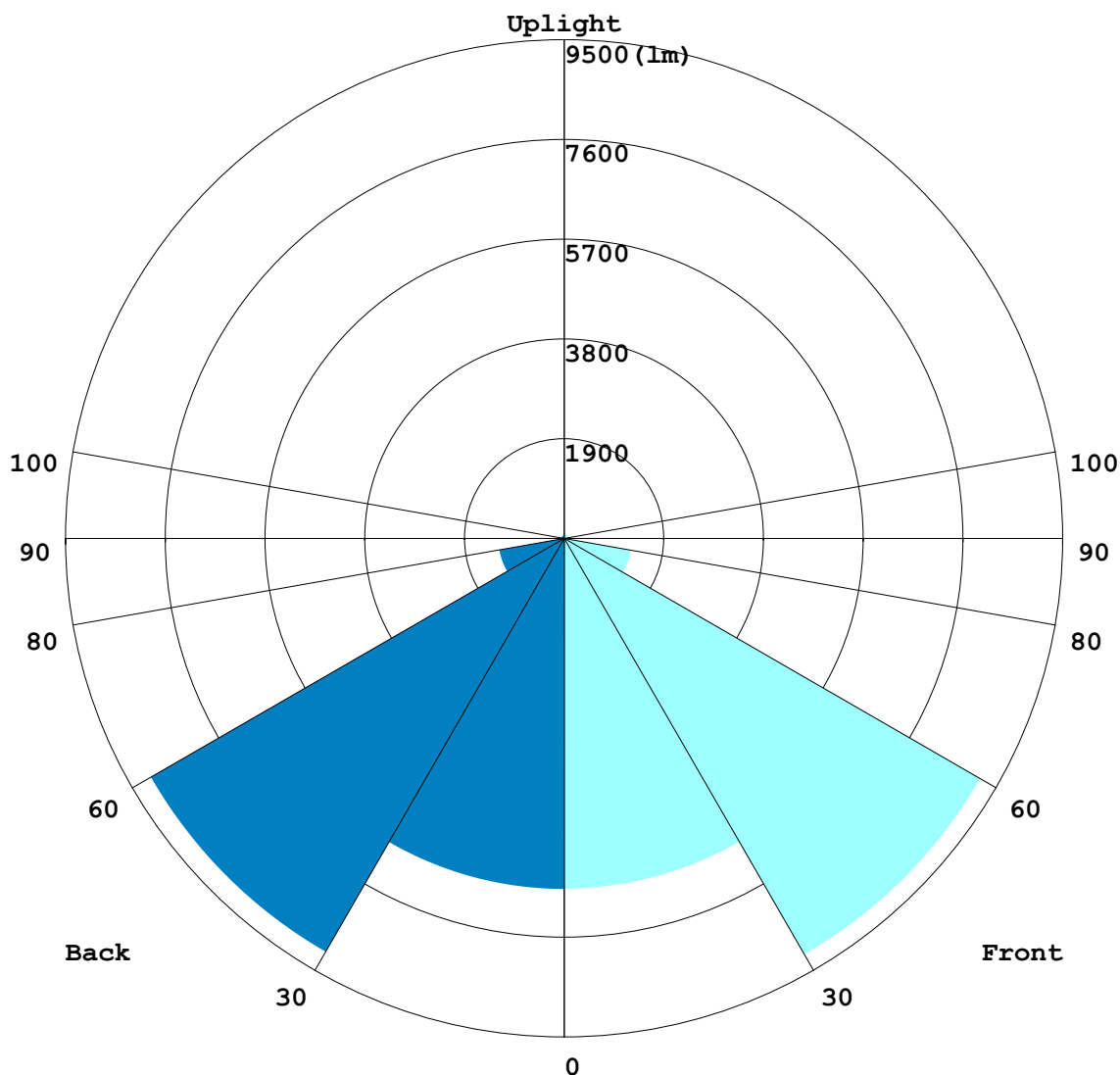


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

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:280.36V I:0.8555A P:238.85W PF:0.9958 Freq:60.01Hz Lamp Flux:34451.5x1 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:2023-12-15

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:280.36V I:0.8555A P:238.85W PF:0.9958 Freq:60.01Hz Lamp Flux:34451.5x1 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)	6674.5	19.4
FM - Front-Medium(30-60)	9155.8	26.6
FH - Front-High(60-80)	1295.2	3.8
FVH - Front-Very High(80-90)	81.414	0.2
Total Forward Light	17297	50.2

BL - Back-Low(0-30)	6678.1	19.4
BM - Back-Medium(30-60)	9096	26.4
BH - Back-High(60-80)	1256	3.6
BVH - Back-Very High(80-90)	72.605	0.2
Total Back Light	17155	49.8

UL - Uplight-Low(90-100)	3.2667	0.0
UH - Uplight-High(100-180)	138.78	0.4
Total Up Light	142.05	0.4

BUG(Back,Up,Glare) Rating	B5-U3-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	17103	52.321	17155
Street Side	17207	89.728	17297

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

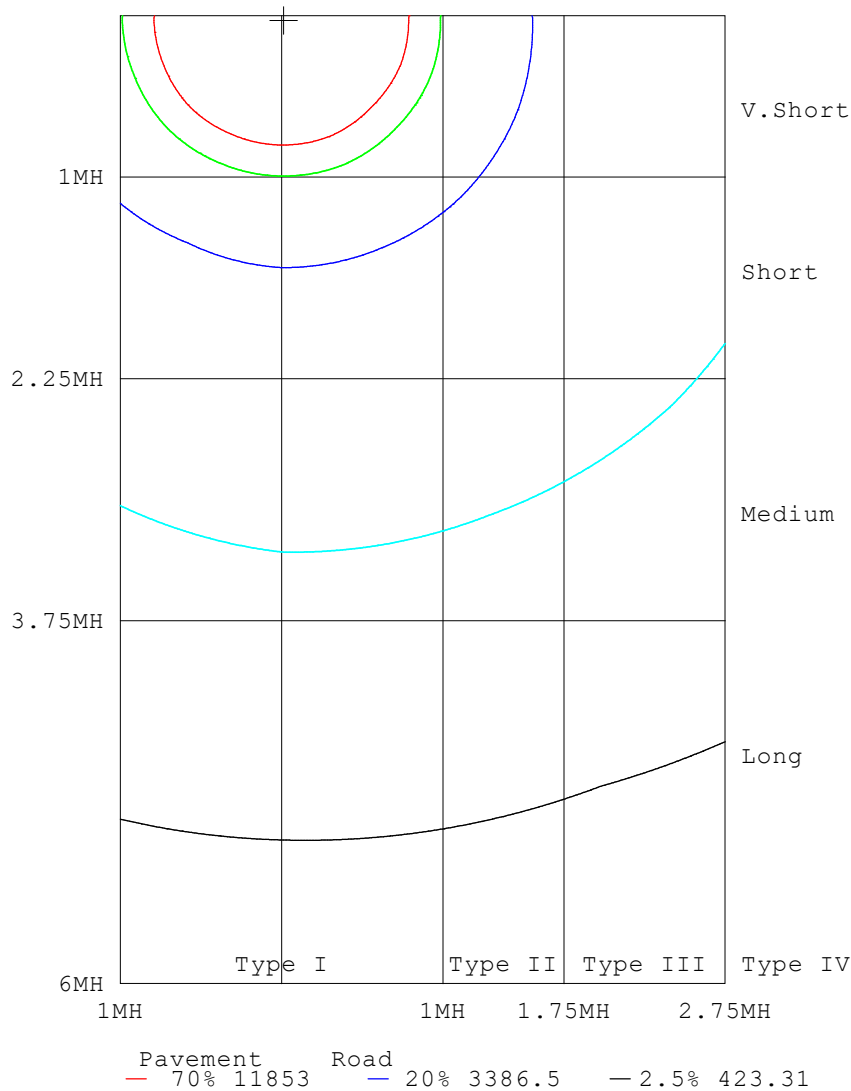
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.471  
Humidity: 100.0%  
Test Distance:26.000m [K=0.4205]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:280.36V I:0.8555A P:238.85W PF:0.9958 Freq:60.01Hz Lamp Flux:34451.5x1 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:2023-12-15

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:280.36V I:0.8555A P:238.85W PF:0.9958 Freq:60.01Hz Lamp Flux:34451.5x1 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	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690			
5	1688	1686	1685	1684	1686	1684	1682	1683	1681	1684	1683	1684	1685	1686	1688	1687			
10	1671	1669	1669	1670	1670	1668	1666	1666	1665	1668	1667	1667	1669	1672	1671	1672			
15	1647	1643	1641	1642	1642	1639	1639	1637	1638	1640	1639	1639	1644	1643	1648	1648			
20	1607	1607	1603	1603	1602	1599	1597	1596	1600	1601	1599	1601	1603	1605	1607	1608			
25	1550	1551	1548	1550	1545	1542	1543	1540	1542	1544	1542	1543	1547	1545	1552	1552			
30	1465	1471	1466	1466	1460	1458	1454	1455	1453	1457	1453	1453	1459	1457	1466	1465			
35	1334	1338	1329	1330	1322	1321	1317	1317	1315	1314	1314	1314	1319	1318	1331	1332			
40	1120	1127	1112	1116	1103	1105	1099	1101	1098	1094	1095	1094	1104	1103	1120	1118			
45	837	849	838	842	825	826	820	825	825	819	822	820	828	824	838	834			
50	593	597	598	601	585	583	574	581	586	580	584	582	589	580	587	577			
55	407	411	416	418	405	400	390	396	402	402	401	399	404	395	400	391			
60	273	274	282	281	274	268	261	265	269	270	270	267	271	264	258	255			
65	181	180	189	187	182	178	173	175	178	179	180	177	179	176	169	163			
70	115	117	120	120	116	114	110	111	113	114	115	113	114	112	108	106			
75	70.3	71.4	73.8	74.2	71.2	70.3	67.6	67.5	69.2	69.2	69.8	68.8	69.2	68.7	64.9	66.0			
80	35.3	36.1	40.1	40.9	38.6	38.1	36.1	35.6	36.2	36.0	36.4	35.8	36.4	36.1	34.2	35.8			
85	12.8	13.7	14.6	15.2	14.0	13.8	12.4	12.1	11.8	11.4	11.8	11.2	12.0	11.4	10.7	12.7			
90	0.36	0.43	0.42	0.45	0.44	0.48	0.47	0.42	0.15	0.24	0.21	0.17	0.19	0.19	0.22	0.22			
95	0.36	0.40	0.41	0.44	0.44	0.48	0.48	0.44	0.09	0.19	0.16	0.12	0.12	0.13	0.15	0.17			
100	0.52	0.56	0.57	0.59	0.60	0.63	0.64	0.57	0.10	0.17	0.16	0.12	0.13	0.13	0.15	0.17			
105	0.77	0.80	0.83	0.84	0.86	0.88	0.85	0.76	0.14	0.17	0.19	0.16	0.16	0.17	0.19	0.20			
110	1.11	1.16	1.15	1.20	1.21	1.22	1.16	1.13	0.19	0.19	0.24	0.21	0.22	0.23	0.24	0.25			
115	1.57	1.61	1.58	1.65	1.66	1.66	1.61	1.58	0.29	0.30	0.33	0.32	0.32	0.33	0.34	0.35			
120	2.09	2.13	2.13	2.17	2.17	2.16	2.12	2.11	0.52	0.53	0.54	0.56	0.54	0.56	0.56	0.57			
125	2.65	2.69	2.70	2.72	2.72	2.70	2.68	2.68	0.86	0.88	0.88	0.89	0.88	0.90	0.90	0.90			
130	3.25	3.29	3.30	3.31	3.31	3.28	3.28	3.27	1.36	1.38	1.37	1.38	1.37	1.39	1.39	1.39			
135	3.87	3.91	3.92	3.93	3.93	3.89	3.90	3.91	1.97	2.00	1.97	2.00	1.98	2.01	2.00	2.00			
140	4.54	4.58	4.58	4.60	4.60	4.55	4.58	4.58	2.63	2.67	2.64	2.66	2.64	2.67	2.66	2.66			
145	5.27	5.31	5.30	5.32	5.32	5.27	5.31	5.30	3.41	3.45	3.42	3.43	3.43	3.45	3.44	3.43			
150	5.99	6.06	6.03	6.05	6.05	6.01	6.04	6.03	4.20	4.25	4.21	4.24	4.23	4.24	4.24	4.23			
155	6.63	6.71	6.71	6.73	6.73	6.69	6.72	6.69	5.17	5.22	5.17	5.21	5.20	5.21	5.20	5.18			
160	7.30	7.35	7.38	7.40	7.40	7.36	7.38	7.37	6.27	6.32	6.25	6.29	6.26	6.27	6.26	6.25			
165	7.96	8.04	8.03	8.04	8.04	7.99	8.03	8.01	7.45	7.51	7.46	7.51	7.48	7.49	7.48	7.46			
170	8.73	8.76	8.79	8.79	8.77	8.74	8.76	8.77	8.49	8.53	8.52	8.54	8.52	8.53	8.52	8.51			
175	9.20	9.29	9.27	9.29	9.28	9.22	9.27	9.24	9.20	9.30	9.25	9.26	9.28	9.25	9.27	9.22			
180	8.92	8.96	8.95	8.97	8.93	8.95	8.92	8.94	9.09	9.15	9.12	9.13	9.10	9.11	9.11	9.11			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 23.5℃  
Operators:DAMIN  
Test Date:2023-12-15

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: