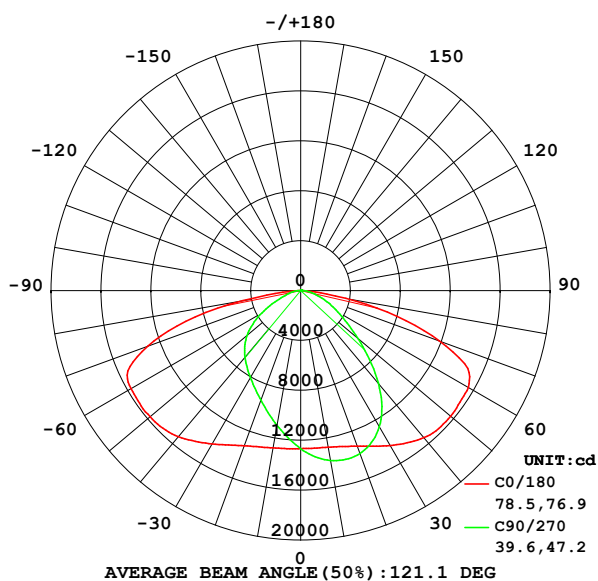
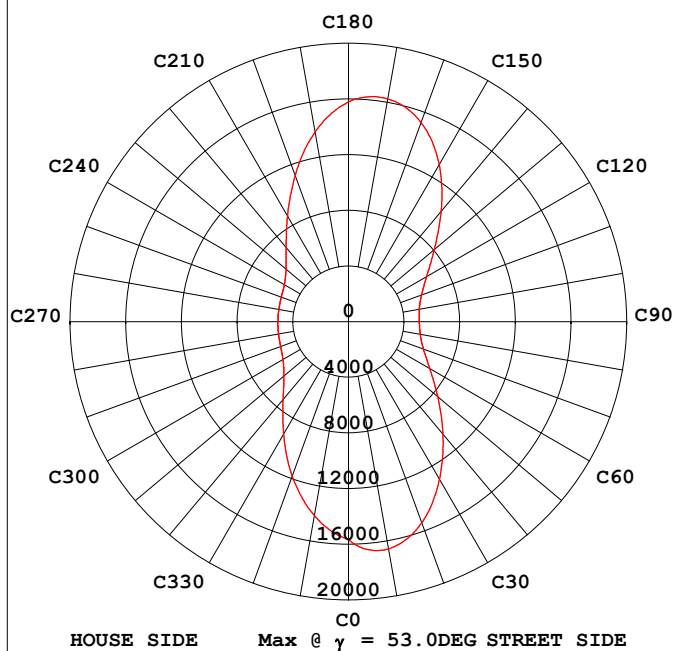


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.37V I:2.9095A P:343.89W PF:0.9985 Freq:60.01Hz Lamp Flux:44232.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.63 lm/W			
MODEL		I <sub>max</sub> (cd)	15798	η street_up (%)	0.2
NOMINAL POWER (W)	350	LOR (%)	100.0	η street_down (%)	55.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	44233	η house_up (%)	0.1
NOMINAL FLUX (lm)	44232.7	MAXIMUM @ (C, γ )	180,53.0	η house_down (%)	43.9
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	25.390

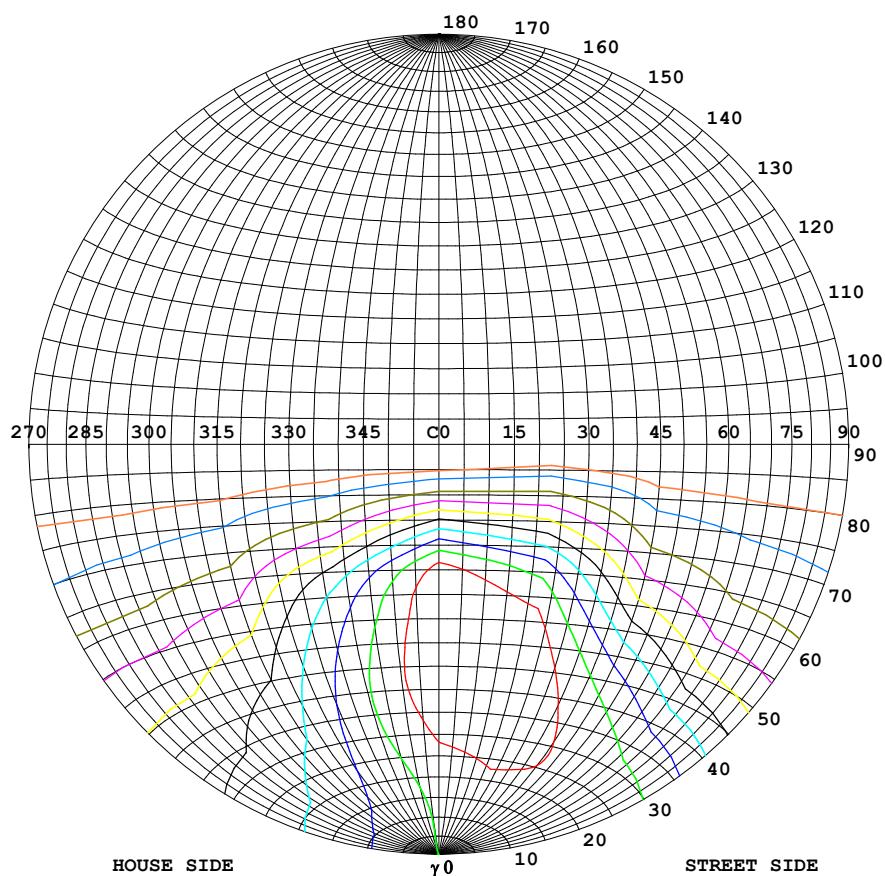
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

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:118.37V I:2.9095A P:343.89W PF:0.9985 Freq:60.01Hz Lamp Flux:44232.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



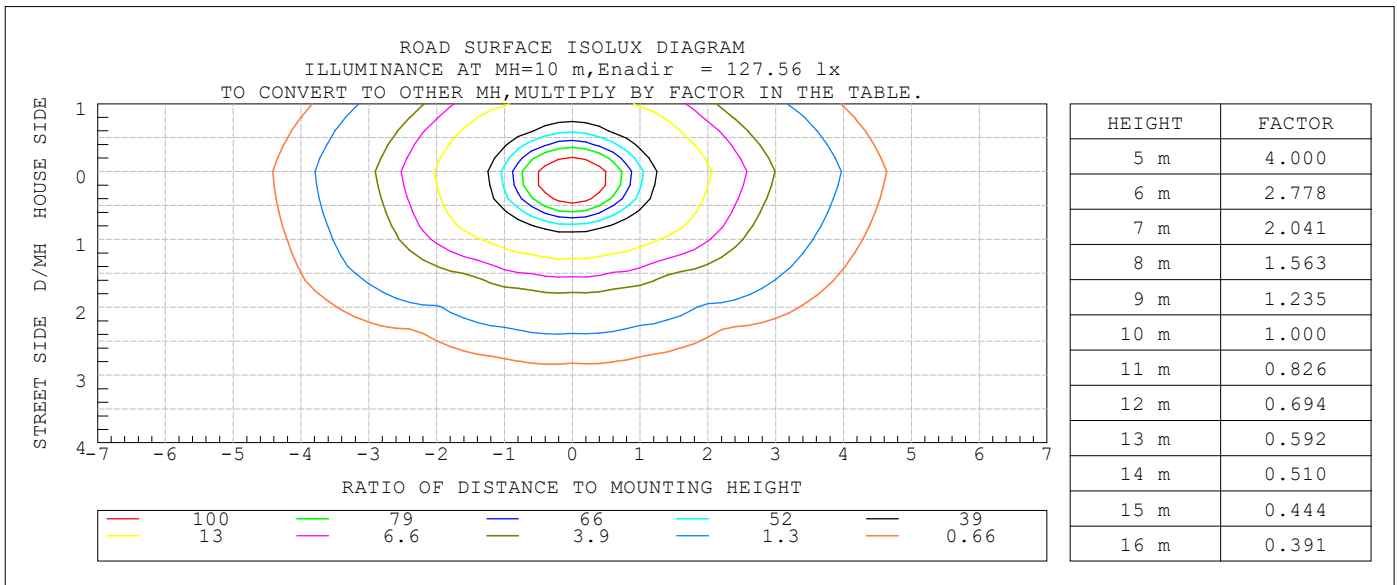
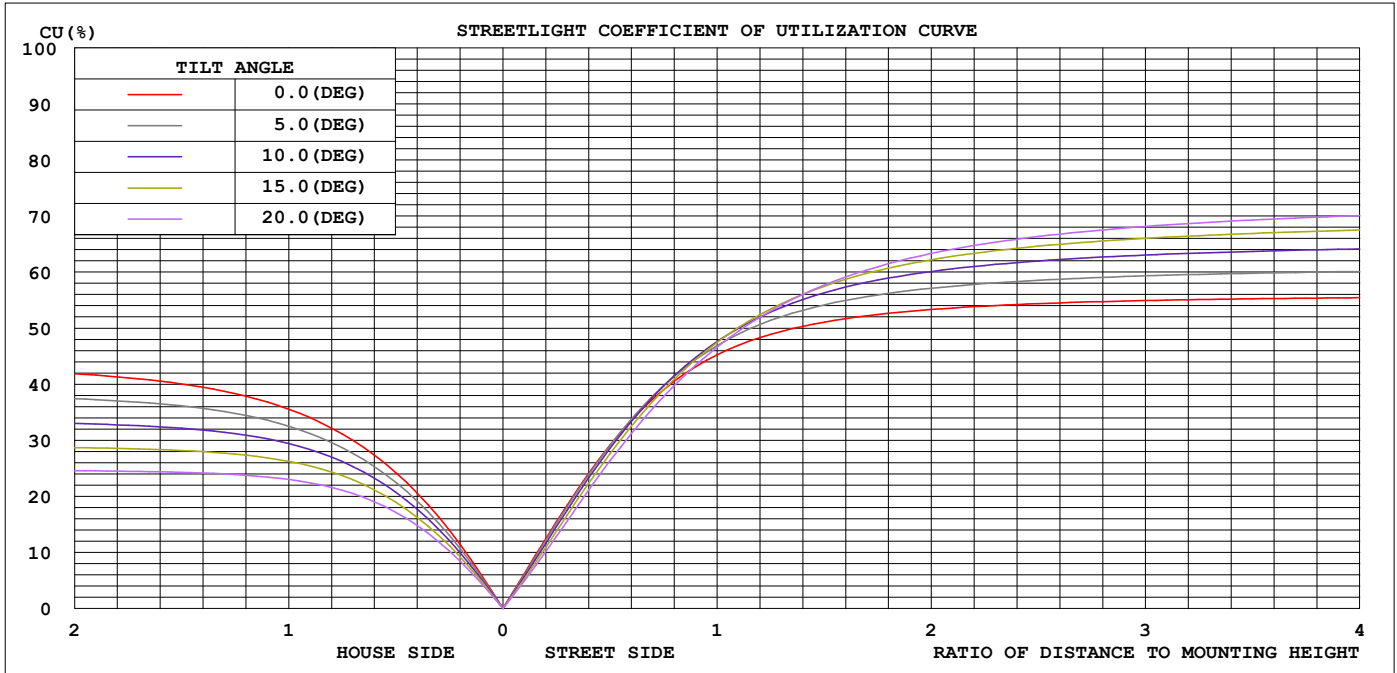
## Classification:

IES:Type II - Short  
CIE:Narrow - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:106.5cd/klm  
Max.At90:0.5273cd/klm  
Max.80-90:106.5cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		15798
90%		14219
80%		12639
70%		11059
60%		9479
50%		7899
40%		6319
30%		4740
20%		3160
10%		1580
5%		790

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2°C  
Operators:DAMIN  
Test Date:2024-03-19

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: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

$\gamma$  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:118.37V I:2.9095A P:343.89W PF:0.9985 Freq:60.01Hz Lamp Flux:44232.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

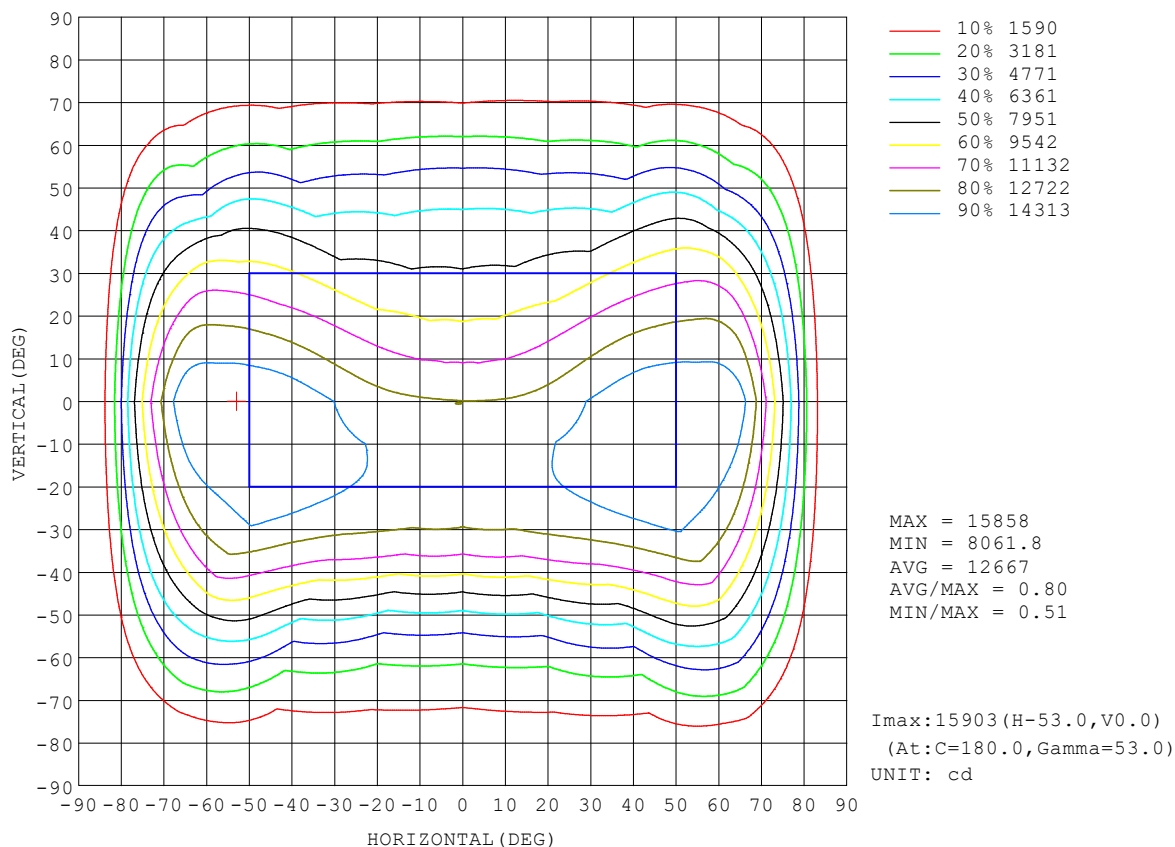
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1275	1356	1383	1367	1281	1151	1096	1156	0- 10	1205	1205	2.73,2.73
20	1327	1402	1389	1415	1324	1042	934.7	1062	10- 20	3535	4741	10.7,10.7
30	1434	1401	1261	1403	1419	942.5	806.5	973.7	20- 30	5660	10401	23.5,23.5
40	1538	1298	970.2	1287	1528	826.7	695.5	862.7	30- 40	7347	17748	40.1,40.1
50	1568	1046	602.7	1017	1575	686.9	561.7	715.6	40- 50	8159	25907	58.6,58.6
60	1552	674.5	345.5	642.2	1572	483.3	361.1	503.8	50- 60	7836	33743	76.3,76.3
70	1184	343.2	184.6	323.8	1304	248.3	156.7	257.1	60- 70	6342	40085	90.6,90.6
80	367.8	114.9	78.75	104.9	471.1	73.70	66.80	74.03	70- 80	3396	43481	98.3,98.3
90	2.332	0.7944	0.5392	0.7350	0.7529	0.2592	0.1794	0.2920	80- 90	625.9	44107	99.7,99.7
100	2.788	1.012	0.7318	1.038	0.3881	0.1665	0.1592	0.1508	90-100	7.400	44114	99.7,99.7
110	3.283	1.603	1.191	1.576	0.7501	0.2953	0.3089	0.3742	100-110	10.08	44124	99.8,99.8
120	3.492	1.989	1.630	2.035	1.983	1.027	0.7957	0.9607	110-120	14.04	44138	99.8,99.8
130	3.695	2.725	2.005	2.532	2.818	1.918	1.476	2.086	120-130	18.58	44157	99.8,99.8
140	4.177	3.450	2.599	2.966	3.269	2.608	2.238	2.868	130-140	20.68	44178	99.9,99.9
150	4.440	4.069	3.217	3.283	3.248	2.935	2.999	3.055	140-150	19.84	44198	99.9,99.9
160	5.158	4.802	3.864	3.799	4.203	3.809	3.796	3.439	150-160	16.75	44214	100,100
170	6.201	5.695	4.703	4.609	6.308	5.705	4.818	4.833	160-170	13.27	44228	100,100
180	6.089	5.520	4.563	4.784	6.212	5.620	4.620	4.862	170-180	5.162	44233	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

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

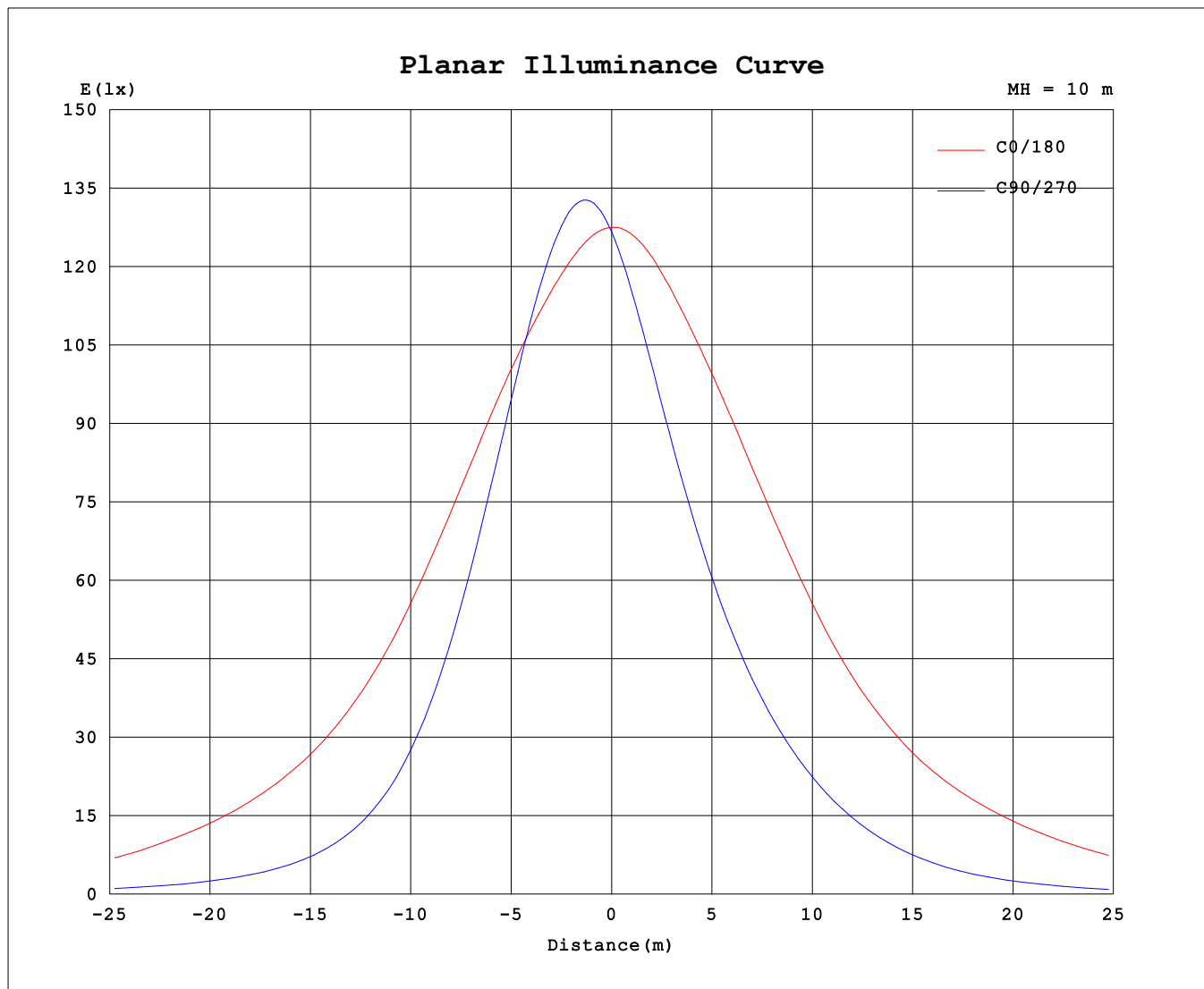
Test:U:118.37V I:2.9095A P:343.89W PF:0.9985 Freq:60.01Hz Lamp Flux:44232.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2°C  
Operators: DAMIN  
Test Date: 2024-03-19

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



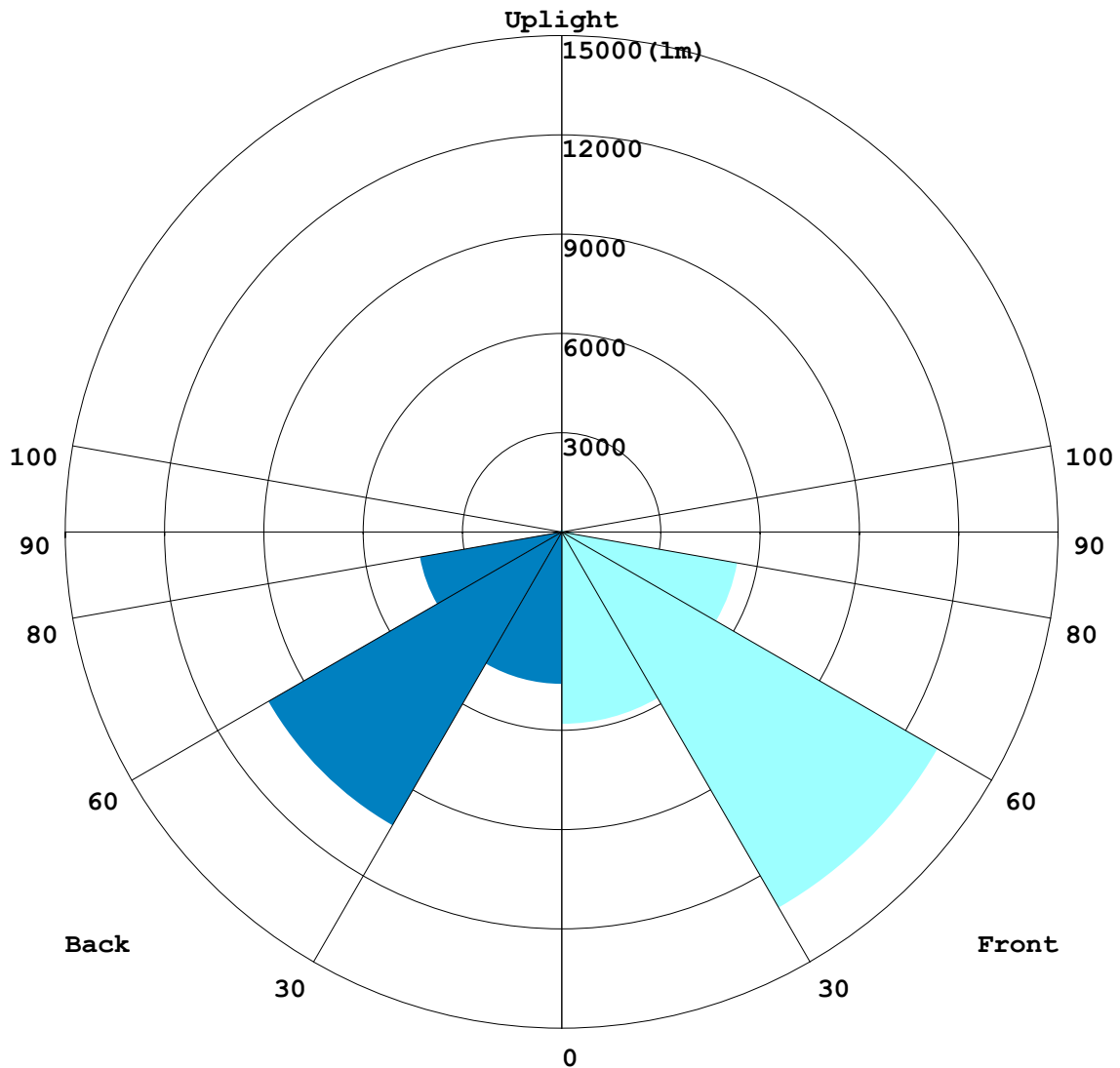
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2°C  
Operators:DAMIN  
Test Date:2024-03-19

$\gamma$  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:

**LCS REPORT**

Test:U:118.37V I:2.9095A P:343.89W PF:0.9985 Freq:60.01Hz Lamp Flux:44232.7x1 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: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

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:118.37V I:2.9095A P:343.89W PF:0.9985 Freq:60.01Hz Lamp Flux:44232.7x1 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)	5805.5	13.1
FM - Front-Medium(30-60)	13111	29.6
FH - Front-High(60-80)	5388.1	12.2
FVH - Front-Very High(80-90)	376.89	0.9
Total Forward Light	24758	56.0

BL - Back-Low(0-30)	4595.1	10.4
BM - Back-Medium(30-60)	10232	23.1
BH - Back-High(60-80)	4349.7	9.8
BVH - Back-Very High(80-90)	248.97	0.6
Total Back Light	19474	44.0

UL - Uplight-Low(90-100)	7.4004	0.0
UH - Uplight-High(100-180)	118.42	0.3
Total Up Light	125.82	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G4
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	19426	48.514	19474
Street Side	24681	77.302	24758

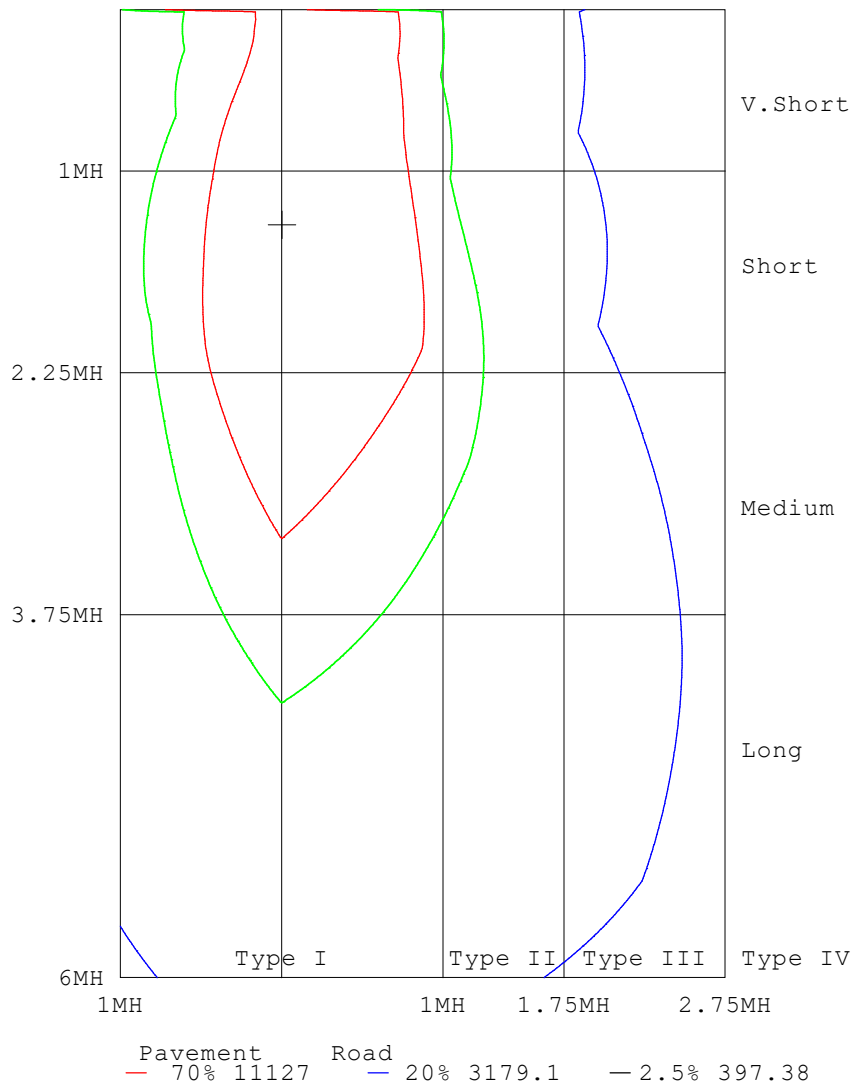
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

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:118.37V I:2.9095A P:343.89W PF:0.9985 Freq:60.01Hz Lamp Flux:44232.7x1 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: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

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:118.37V I:2.9095A P:343.89W PF:0.9985 Freq:60.01Hz Lamp Flux:44232.7x1 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	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267			
5	1268	1295	1317	1332	1337	1334	1322	1300	1272	1240	1211	1190	1184	1191	1211	1238			
10	1275	1324	1356	1376	1383	1382	1367	1334	1281	1214	1151	1109	1096	1112	1156	1216			
15	1294	1356	1384	1398	1401	1405	1398	1368	1296	1193	1094	1030	1012	1037	1106	1204			
20	1327	1393	1402	1396	1389	1402	1415	1403	1324	1181	1042	958	935	967	1062	1203			
25	1376	1437	1410	1366	1344	1370	1418	1442	1366	1177	993	892	867	902	1021	1212			
30	1434	1481	1401	1305	1261	1305	1403	1482	1419	1177	943	831	806	841	974	1222			
35	1490	1518	1367	1205	1136	1200	1362	1516	1475	1173	886	771	751	781	922	1227			
40	1538	1542	1298	1062	970	1051	1287	1538	1528	1158	827	712	696	722	863	1218			
45	1564	1545	1193	886	782	870	1172	1540	1562	1130	762	647	635	657	795	1193			
50	1568	1518	1046	697	603	680	1017	1512	1575	1087	687	572	562	579	716	1153			
55	1560	1461	866	532	456	517	834	1450	1577	1026	595	480	469	485	619	1096			
60	1552	1367	675	399	345	386	642	1340	1572	930	483	376	361	378	504	1010			
65	1478	1211	497	298	261	289	468	1177	1529	777	362	272	254	274	379	844			
70	1184	947	343	216	185	209	324	907	1304	531	248	178	157	184	257	582			
75	798	648	216	146	123	139	203	610	955	316	149	109	106	114	154	332			
80	368	362	115	84.6	78.7	81.3	105	335	471	149	73.7	62.2	66.8	63.5	74.0	151			
85	69.2	106	37.0	34.5	36.2	33.7	33.6	90.4	103	29.5	19.4	22.1	26.7	22.1	19.6	34.3			
90	2.33	1.58	0.79	0.55	0.54	0.54	0.73	1.52	0.75	0.42	0.26	0.20	0.18	0.22	0.29	0.49			
95	2.48	1.50	0.78	0.58	0.55	0.59	0.80	1.59	0.38	0.25	0.16	0.14	0.14	0.13	0.14	0.26			
100	2.79	1.81	1.01	0.76	0.73	0.78	1.04	1.87	0.39	0.26	0.17	0.14	0.16	0.15	0.15	0.24			
105	3.06	2.19	1.32	0.97	0.96	1.00	1.32	2.16	0.53	0.32	0.21	0.19	0.22	0.22	0.24	0.32			
110	3.28	2.53	1.60	1.22	1.19	1.23	1.58	2.39	0.75	0.45	0.30	0.29	0.31	0.34	0.37	0.46			
115	3.44	2.83	1.77	1.51	1.43	1.47	1.81	2.56	1.21	0.87	0.54	0.51	0.50	0.57	0.50	0.86			
120	3.49	3.03	1.99	1.80	1.63	1.71	2.03	2.67	1.98	1.57	1.03	0.83	0.80	0.98	0.96	1.54			
125	3.56	3.18	2.36	2.10	1.80	1.98	2.28	2.77	2.45	2.08	1.49	1.16	1.11	1.34	1.59	2.02			
130	3.69	3.30	2.73	2.39	2.00	2.22	2.53	2.89	2.82	2.54	1.92	1.51	1.48	1.72	2.09	2.36			
135	3.94	3.39	3.11	2.69	2.29	2.49	2.76	2.98	3.07	2.90	2.26	1.88	1.85	2.11	2.53	2.56			
140	4.18	3.56	3.45	3.01	2.60	2.76	2.97	3.19	3.27	3.14	2.61	2.27	2.24	2.51	2.87	2.74			
145	4.26	3.86	3.75	3.34	2.90	3.01	3.12	3.33	3.36	3.21	2.76	2.58	2.64	2.82	3.04	2.77			
150	4.44	4.29	4.07	3.69	3.22	3.27	3.28	3.46	3.25	3.09	2.94	2.90	3.00	3.03	3.06	2.68			
155	4.74	4.80	4.41	4.06	3.55	3.55	3.50	3.65	3.44	3.32	3.23	3.30	3.31	3.16	3.09	2.71			
160	5.16	5.26	4.80	4.44	3.86	3.82	3.80	3.91	4.20	3.95	3.81	3.82	3.80	3.44	3.44	3.25			
165	5.69	5.77	5.32	4.89	4.31	4.16	4.21	4.34	5.53	5.33	5.04	4.89	4.57	4.19	4.30	4.39			
170	6.20	6.20	5.69	5.31	4.70	4.51	4.61	4.84	6.31	6.23	5.71	5.26	4.82	4.57	4.83	4.95			
175	6.27	6.40	5.86	5.45	4.94	4.78	4.93	5.18	6.31	6.42	5.82	5.39	4.90	4.76	5.03	5.15			
180	6.09	6.18	5.52	5.04	4.56	4.46	4.78	5.16	6.21	6.29	5.62	5.10	4.62	4.51	4.86	5.26			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

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: