

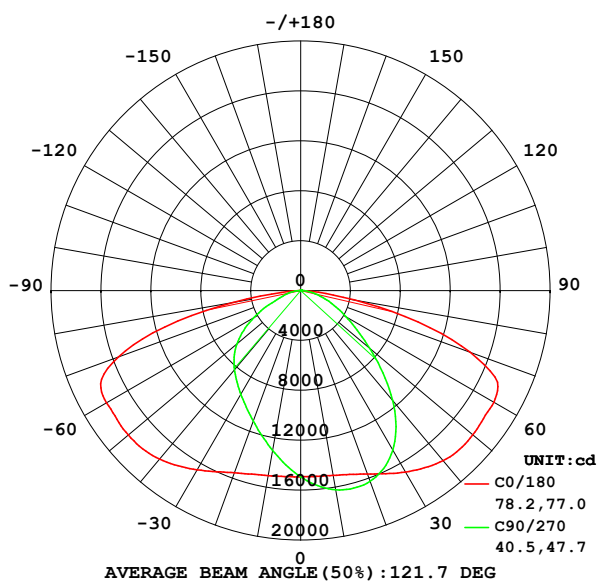
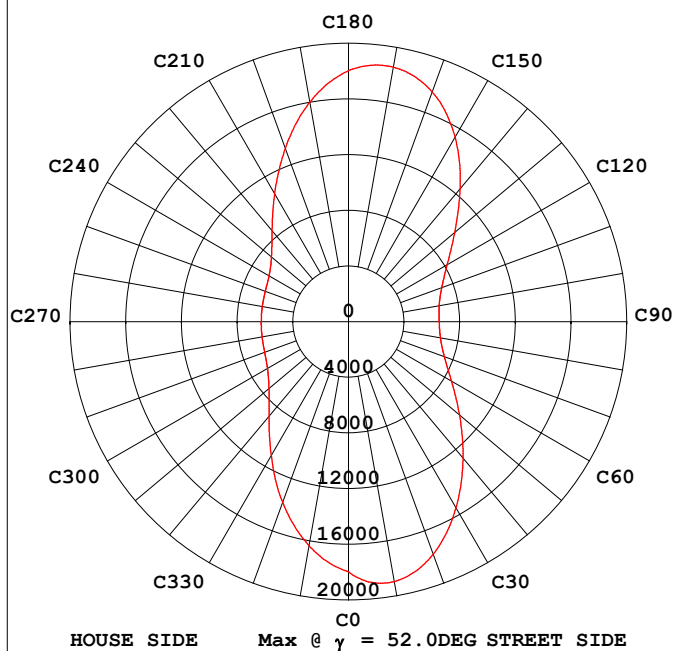
## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:118.21V I:3.1214A P:368.51W PF:0.9987 Freq:60.01Hz

Lamp Flux:52189.7x1 lm

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

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 141.62 lm/W
MODEL		I <sub>max</sub> (cd)	18035	η street_up (%)	0.2	
NOMINAL POWER (W)	400	LOR (%)	100.0	η street_down (%)	55.6	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	52190	η house_up (%)	0.1	
NOMINAL FLUX (lm)	52189.7	MAXIMUM @ (C, γ )	180,52.0	η house_down (%)	44.1	
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	25.727	

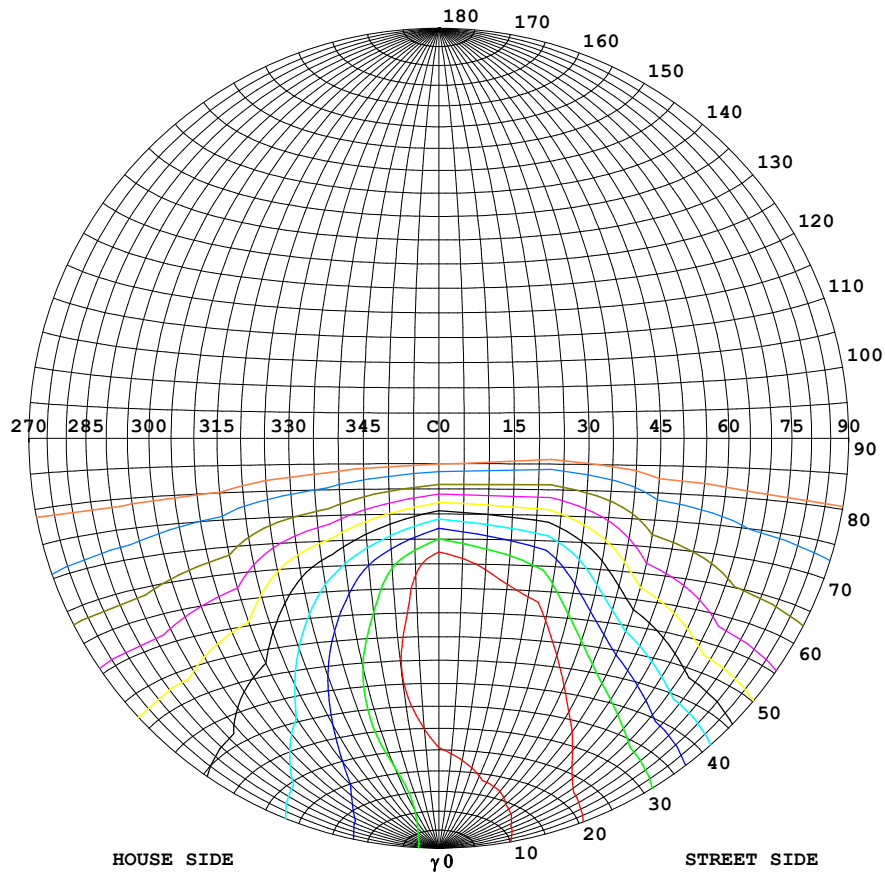
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:118.21V I:3.1214A P:368.51W PF:0.9987 Freq:60.01Hz Lamp Flux:52189.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



Classification:

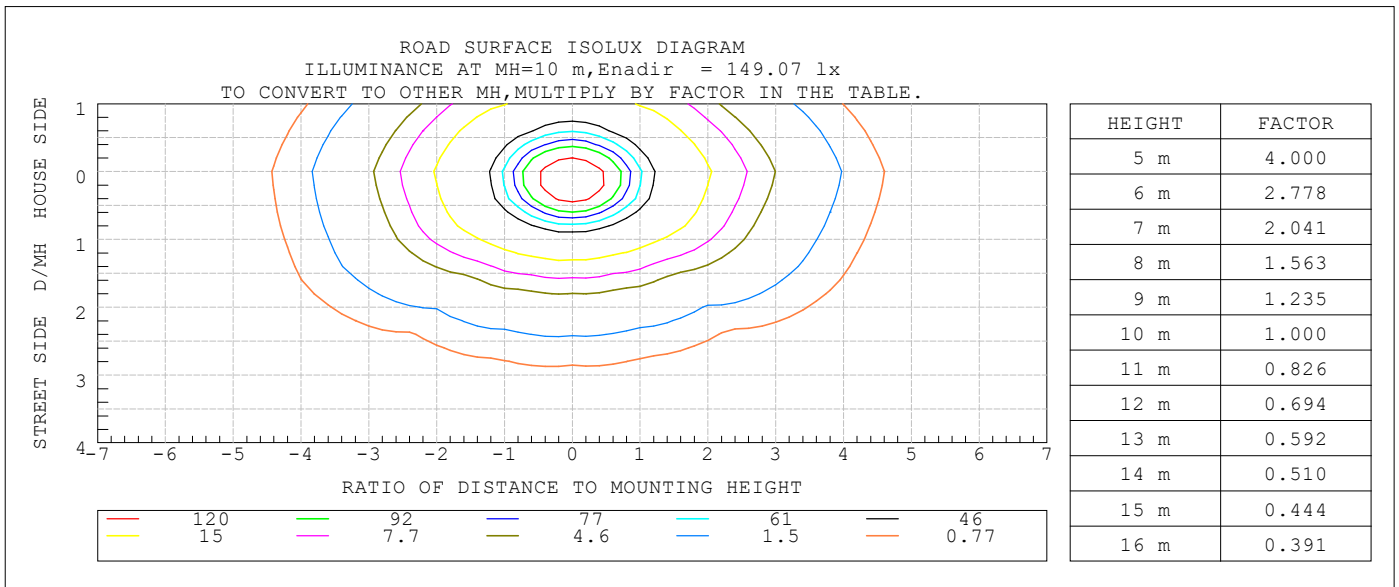
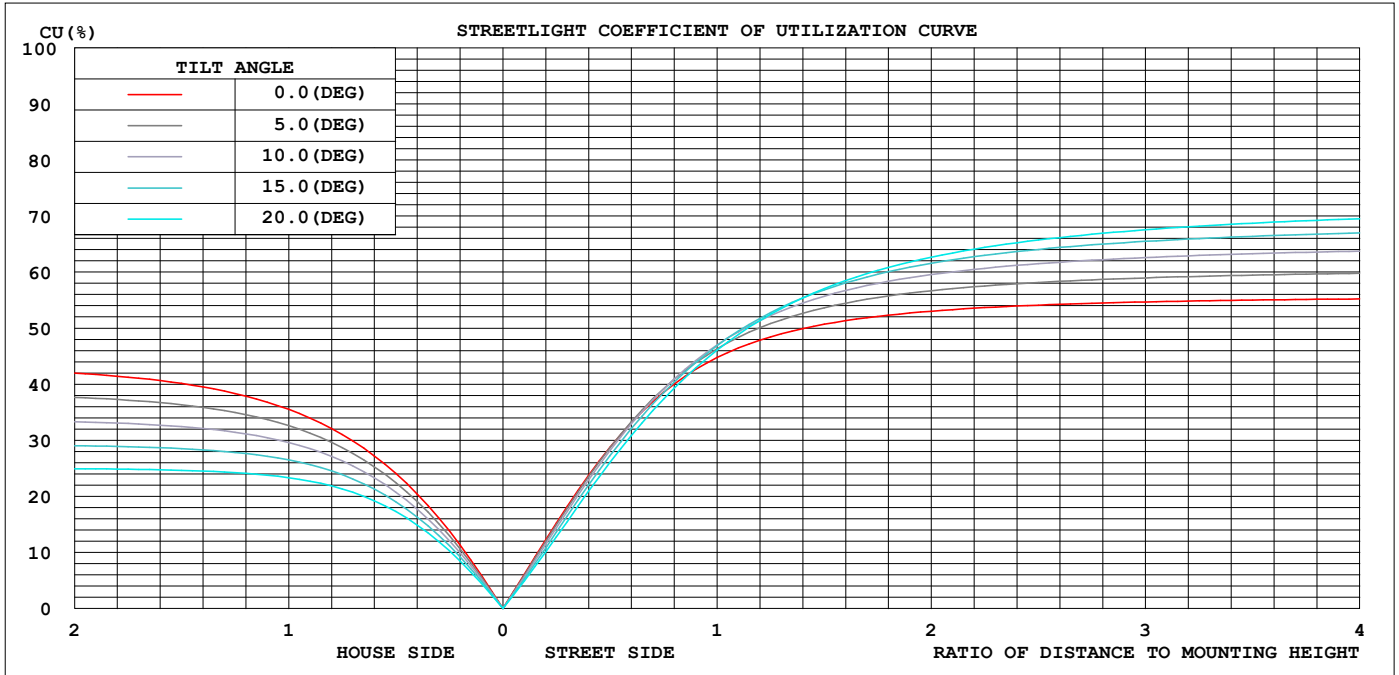
IES:Type II - Short  
CIE:Narrow - Short  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:105.3cd/klm  
Max.At90:0.5325cd/klm  
Max.80-90:105.3cd/klm

ISOCANDELA DIAGRAM		
UNIT		cd
Imax=100%		18035
90%		16231
80%		14428
70%		12624
60%		10821
50%		9017
40%		7214
30%		5410
20%		3607
10%		1803
5%		902

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:

# 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:118.21V I:3.1214A P:368.51W PF:0.9987 Freq:60.01Hz Lamp Flux:52189.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

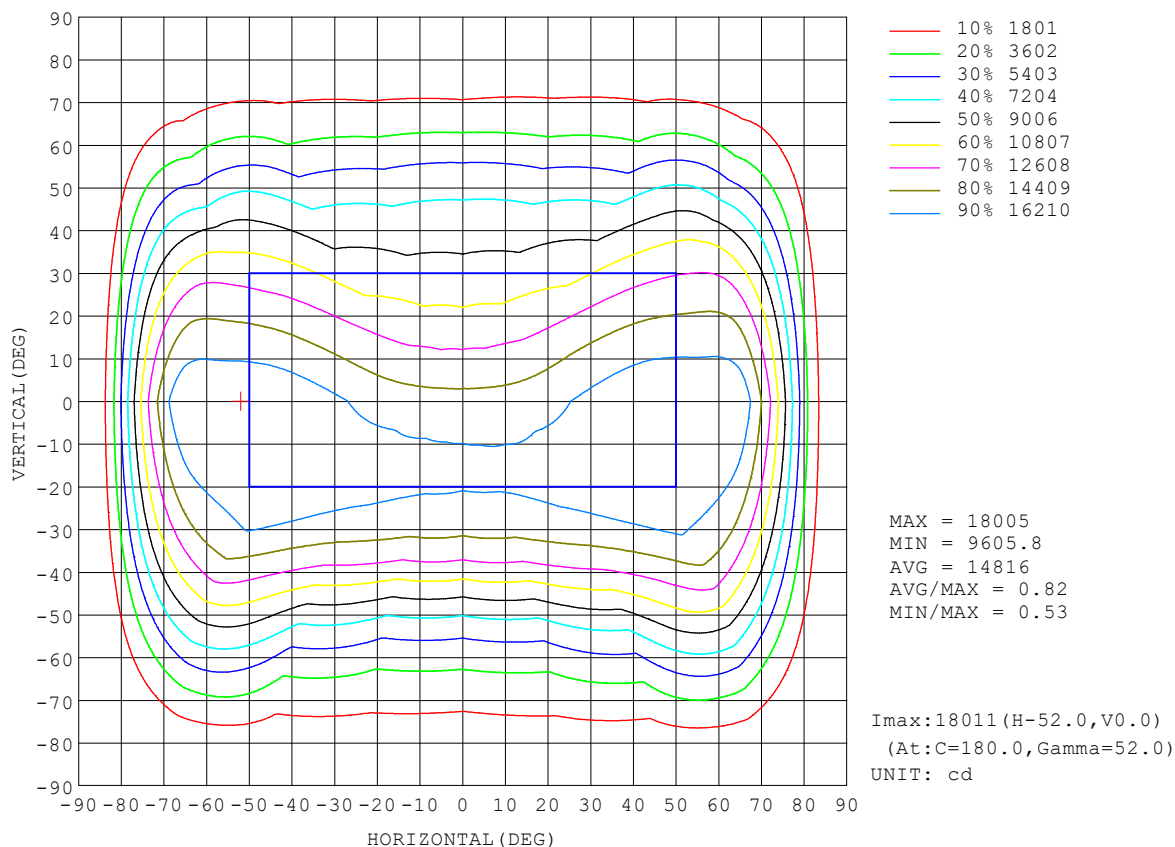
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1504	1593	1621	1602	1506	1365	1301	1368	0- 10	1420	1420	2.72,2.72
20	1564	1646	1627	1657	1554	1240	1113	1259	10- 20	4167	5587	10.7,10.7
30	1679	1642	1477	1641	1659	1121	959.8	1153	20- 30	6663	12250	23.5,23.5
40	1778	1518	1147	1500	1762	984.4	826.7	1021	30- 40	8616	20866	40,40
50	1800	1232	727.2	1192	1803	819.6	667.9	849.8	40- 50	9546	30412	58.3,58.3
60	1789	819.3	419.9	766.6	1797	583.3	434.2	604.5	50- 60	9172	39584	75.8,75.8
70	1444	433.7	223.4	395.9	1554	304.3	189.0	316.4	60- 70	7545	47130	90.3,90.3
80	439.9	147.2	94.41	131.1	549.8	90.66	79.81	91.65	70- 80	4159	51289	98.3,98.3
90	2.779	0.9811	0.6367	0.8868	0.8815	0.3124	0.2134	0.3652	80- 90	752.8	52041	99.7,99.7
100	3.181	1.231	0.8765	1.246	0.4637	0.2015	0.1889	0.1813	90-100	8.820	52050	99.7,99.7
110	3.752	1.938	1.420	1.866	0.9068	0.3544	0.3731	0.4529	100-110	11.90	52062	99.8,99.8
120	4.024	2.371	1.945	2.402	2.345	1.253	0.9747	1.132	110-120	16.58	52079	99.8,99.8
130	4.297	3.228	2.396	2.989	3.284	2.253	1.778	2.426	120-130	21.91	52101	99.8,99.8
140	4.892	4.081	3.115	3.507	3.820	3.060	2.651	3.327	130-140	24.34	52125	99.9,99.9
150	5.214	4.815	3.845	3.885	3.809	3.429	3.517	3.555	140-150	23.35	52148	99.9,99.9
160	6.065	5.672	4.597	4.491	4.921	4.462	4.444	4.022	150-160	19.71	52168	100,100
170	7.303	6.716	5.569	5.453	7.407	6.684	5.644	5.680	160-170	15.60	52184	100,100
180	7.178	6.500	5.383	5.644	7.309	6.610	5.441	5.731	170-180	6.075	52190	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

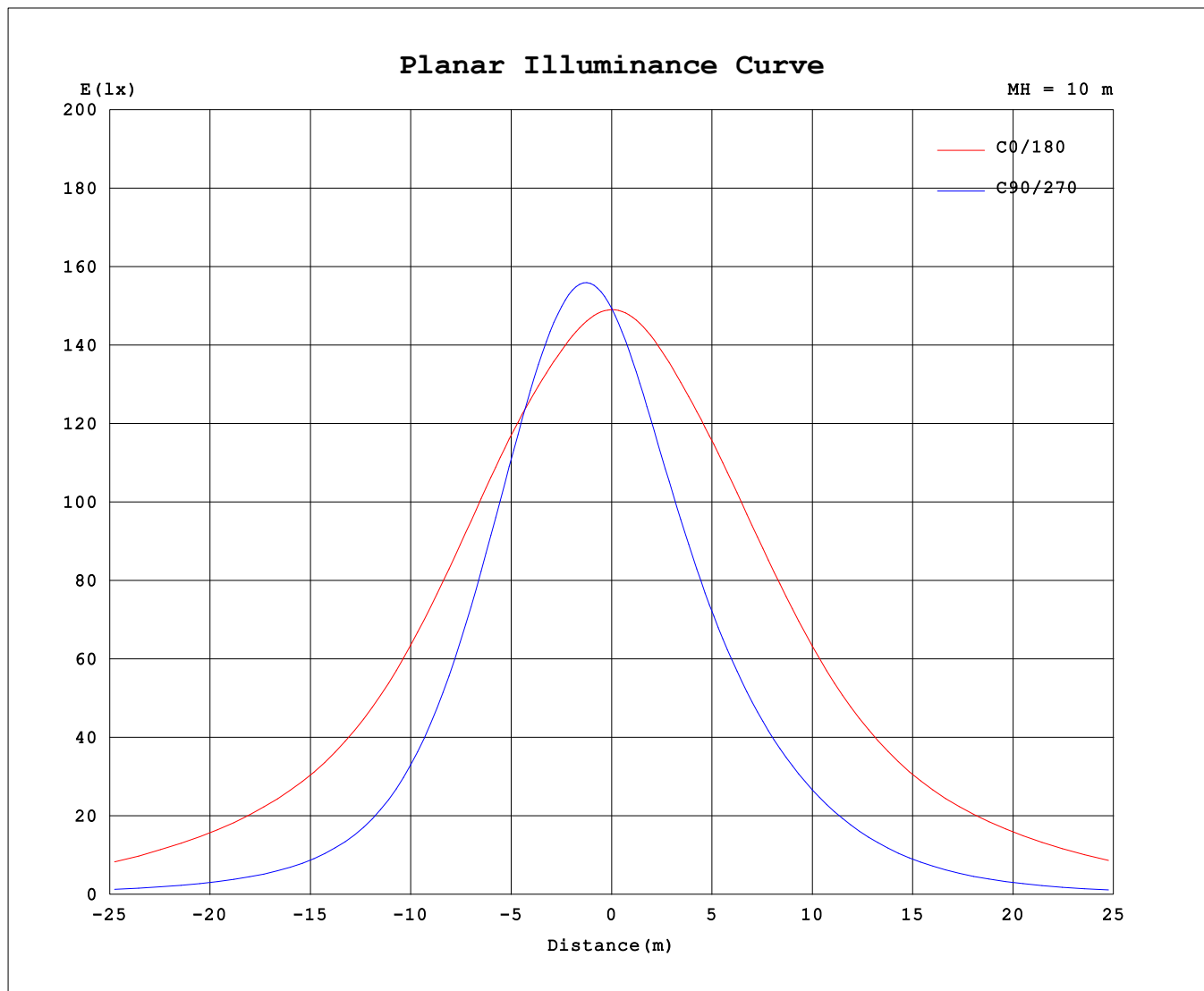
Test:U:118.21V I:3.1214A P:368.51W PF:0.9987 Freq:60.01Hz Lamp Flux:52189.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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



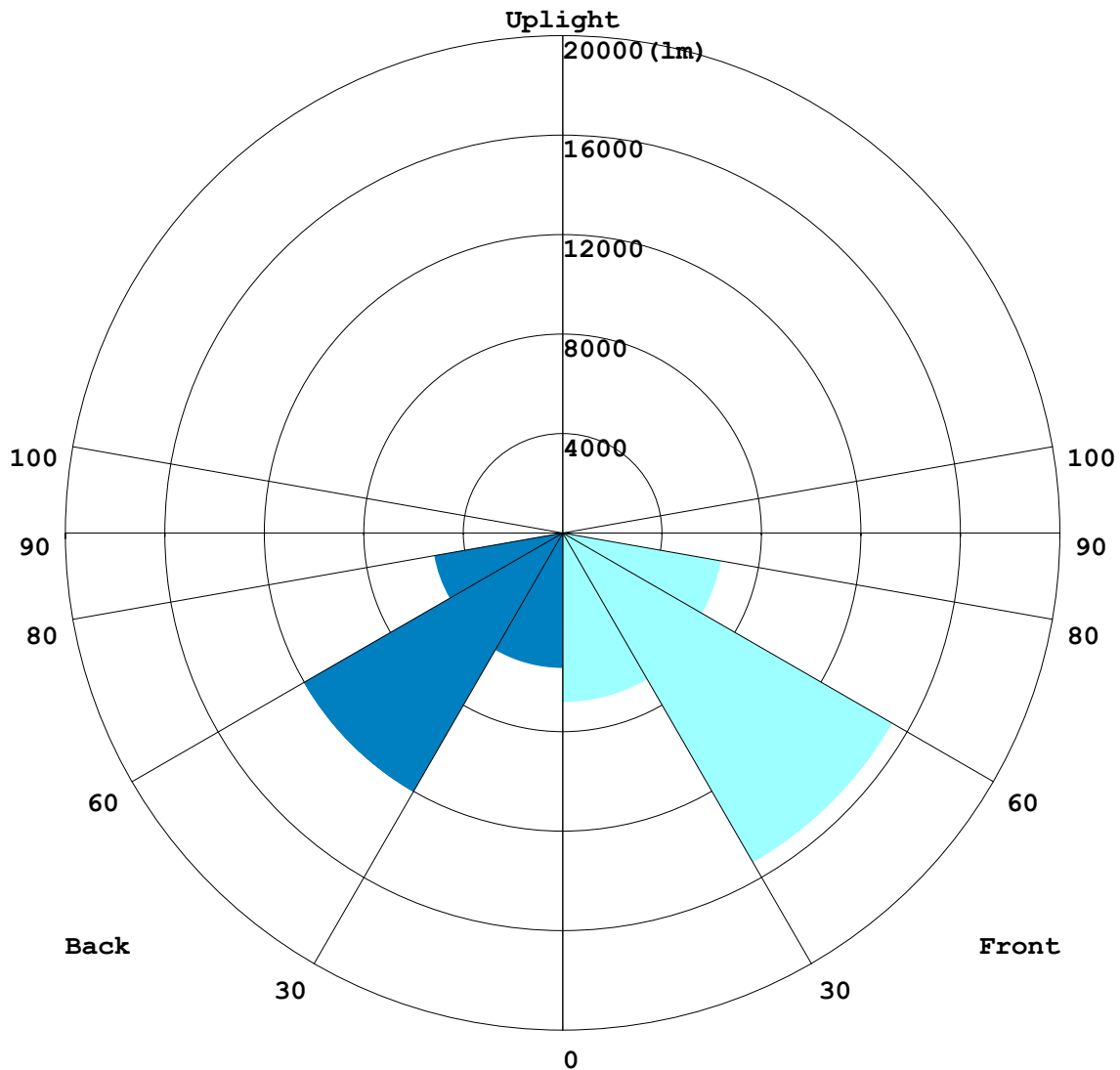
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2°C  
Operators:DAMIN  
Test Date:2024-03-19

$\gamma$  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:118.21V I:3.1214A P:368.51W PF:0.9987 Freq:60.01Hz Lamp Flux:52189.7x1 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:118.21V I:3.1214A P:368.51W PF:0.9987 Freq:60.01Hz Lamp Flux:52189.7x1 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)	6809.9	13.0
FM - Front-Medium(30-60)	15311	29.3
FH - Front-High(60-80)	6463.5	12.4
FVH - Front-Very High(80-90)	453.78	0.9
Total Forward Light	29130	55.8

BL - Back-Low(0-30)	5439.8	10.4
BM - Back-Medium(30-60)	12023	23.0
BH - Back-High(60-80)	5240.8	10.0
BVH - Back-Very High(80-90)	299.06	0.6
Total Back Light	23060	44.2

UL - Uplight-Low(90-100)	8.8204	0.0
UH - Uplight-High(100-180)	139.46	0.3
Total Up Light	148.28	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	23003	57.144	23060
Street Side	29039	91.139	29130

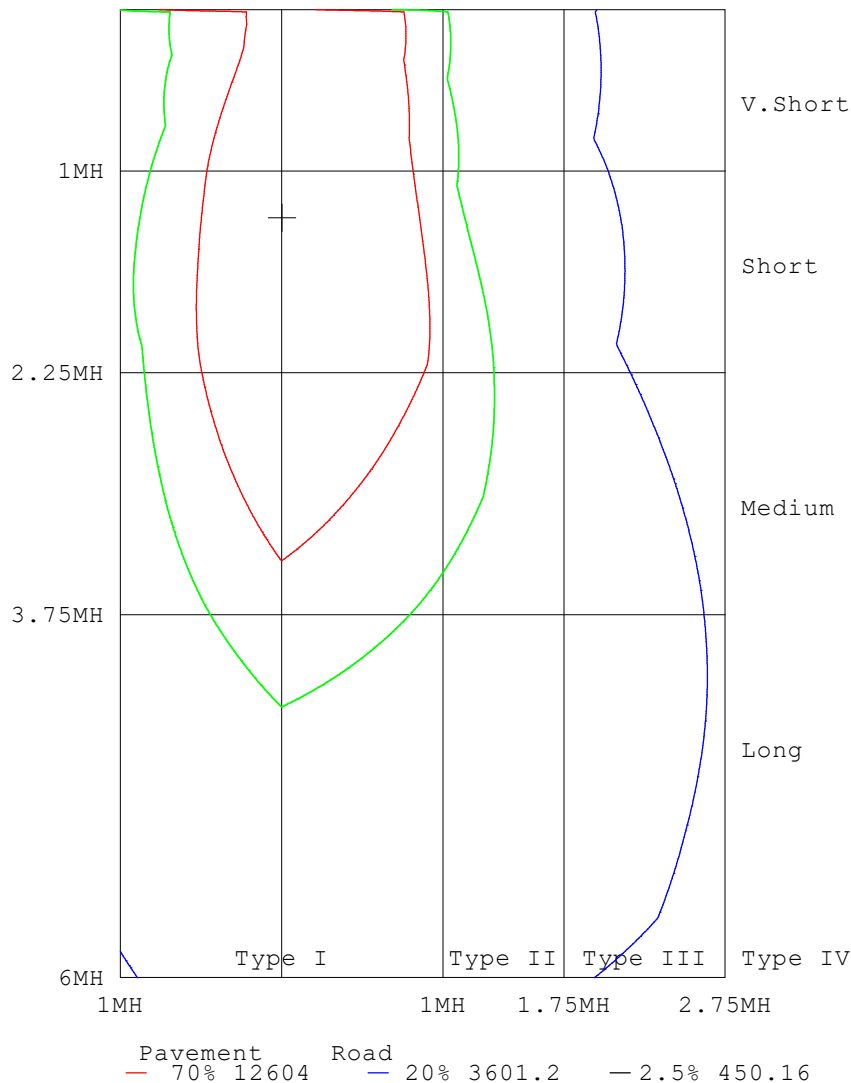
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 27.2℃  
Operators:DAMIN  
Test Date:2024-03-19

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:118.21V I:3.1214A P:368.51W PF:0.9987 Freq:60.01Hz Lamp Flux:52189.7x1 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°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:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.21V I:3.1214A P:368.51W PF:0.9987 Freq:60.01Hz Lamp Flux:52189.7x1 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	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493	1493			
5	1494	1525	1548	1565	1570	1566	1553	1528	1496	1462	1430	1408	1401	1408	1430	1461			
10	1504	1559	1593	1615	1621	1619	1602	1565	1506	1434	1365	1317	1301	1320	1368	1436			
15	1526	1596	1626	1640	1640	1645	1637	1602	1524	1412	1300	1226	1204	1232	1311	1422			
20	1564	1640	1646	1637	1627	1641	1657	1643	1554	1399	1240	1142	1113	1150	1259	1421			
25	1619	1690	1656	1602	1574	1604	1660	1687	1602	1396	1183	1064	1032	1072	1210	1429			
30	1679	1738	1642	1529	1477	1527	1641	1731	1659	1393	1121	990	960	999	1153	1436			
35	1734	1774	1599	1413	1333	1405	1589	1766	1714	1384	1055	919	893	928	1090	1433			
40	1778	1794	1518	1250	1147	1236	1500	1782	1762	1365	984	848	827	858	1021	1419			
45	1802	1790	1396	1052	934	1032	1367	1777	1794	1333	908	771	755	781	942	1390			
50	1800	1752	1232	839	727	816	1192	1739	1803	1283	820	682	668	689	850	1341			
55	1789	1682	1034	645	554	622	985	1662	1798	1211	713	575	560	579	738	1274			
60	1789	1574	819	488	420	468	767	1537	1797	1111	583	452	434	454	604	1180			
65	1741	1414	615	363	316	349	566	1361	1771	953	441	329	307	331	459	1017			
70	1444	1152	434	263	223	252	396	1091	1554	690	304	216	189	223	316	743			
75	974	804	279	177	149	166	251	763	1129	418	186	130	127	137	194	433			
80	440	428	147	103	94.4	97.5	131	405	550	187	90.7	74.9	79.8	77.3	91.6	191			
85	83.8	122	47.0	42.9	43.1	41.4	41.3	107	111	36.5	23.3	26.7	31.8	27.2	24.0	44.7			
90	2.78	1.95	0.98	0.69	0.64	0.65	0.89	1.85	0.88	0.51	0.31	0.25	0.21	0.27	0.37	0.61			
95	2.85	1.81	0.96	0.70	0.66	0.70	0.97	1.90	0.44	0.31	0.19	0.17	0.16	0.16	0.17	0.31			
100	3.18	2.15	1.23	0.91	0.88	0.93	1.25	2.20	0.46	0.31	0.20	0.17	0.19	0.19	0.18	0.29			
105	3.49	2.59	1.59	1.16	1.14	1.19	1.57	2.51	0.64	0.39	0.25	0.23	0.26	0.27	0.29	0.38			
110	3.75	2.98	1.94	1.46	1.42	1.46	1.87	2.77	0.91	0.54	0.35	0.35	0.37	0.42	0.45	0.55			
115	3.95	3.31	2.11	1.81	1.71	1.75	2.14	2.97	1.45	1.05	0.67	0.62	0.61	0.68	0.60	1.02			
120	4.02	3.53	2.37	2.16	1.94	2.03	2.40	3.10	2.34	1.89	1.25	1.00	0.97	1.17	1.13	1.82			
125	4.12	3.71	2.81	2.51	2.15	2.35	2.69	3.21	2.88	2.47	1.78	1.40	1.36	1.59	1.86	2.36			
130	4.30	3.87	3.23	2.86	2.40	2.64	2.99	3.37	3.28	2.98	2.25	1.80	1.78	2.03	2.43	2.74			
135	4.60	3.98	3.68	3.22	2.75	2.96	3.26	3.49	3.58	3.39	2.65	2.23	2.21	2.48	2.94	2.97			
140	4.89	4.19	4.08	3.60	3.12	3.28	3.51	3.74	3.82	3.67	3.06	2.69	2.65	2.94	3.33	3.20			
145	5.00	4.55	4.44	3.98	3.47	3.58	3.69	3.90	3.94	3.77	3.23	3.03	3.10	3.30	3.53	3.24			
150	5.21	5.05	4.82	4.38	3.84	3.88	3.88	4.06	3.81	3.63	3.43	3.40	3.52	3.54	3.55	3.13			
155	5.57	5.66	5.22	4.82	4.23	4.21	4.15	4.28	4.04	3.90	3.77	3.86	3.88	3.69	3.60	3.18			
160	6.06	6.20	5.67	5.25	4.60	4.52	4.49	4.59	4.92	4.62	4.46	4.48	4.44	4.03	4.02	3.82			
165	6.69	6.80	6.27	5.77	5.11	4.93	4.98	5.10	6.48	6.27	5.90	5.73	5.35	4.93	5.05	5.15			
170	7.30	7.30	6.72	6.26	5.57	5.34	5.45	5.69	7.41	7.33	6.68	6.18	5.64	5.38	5.68	5.82			
175	7.39	7.54	6.90	6.42	5.84	5.65	5.83	6.10	7.43	7.57	6.82	6.32	5.75	5.61	5.92	6.07			
180	7.18	7.28	6.50	5.93	5.38	5.26	5.64	6.07	7.31	7.42	6.61	6.01	5.44	5.33	5.73	6.20			

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: