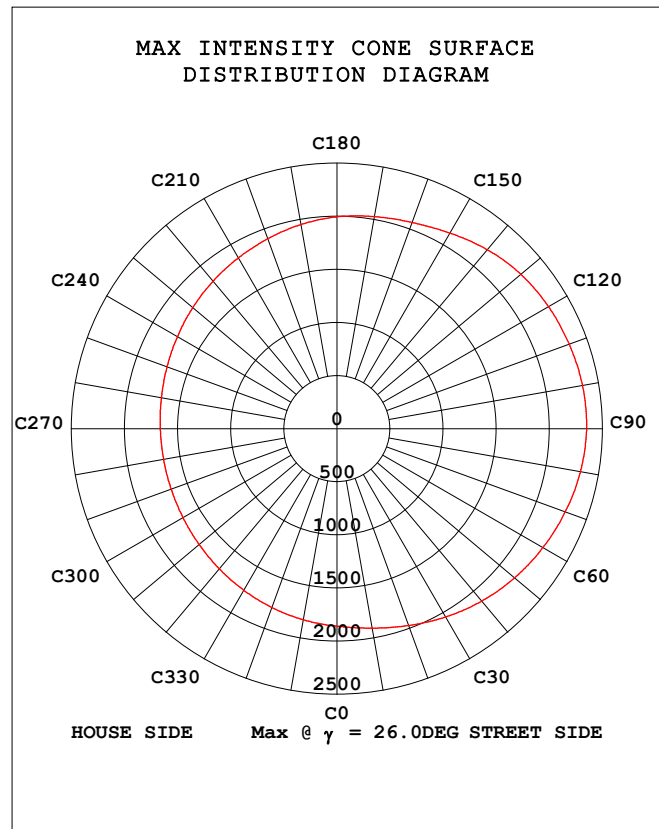
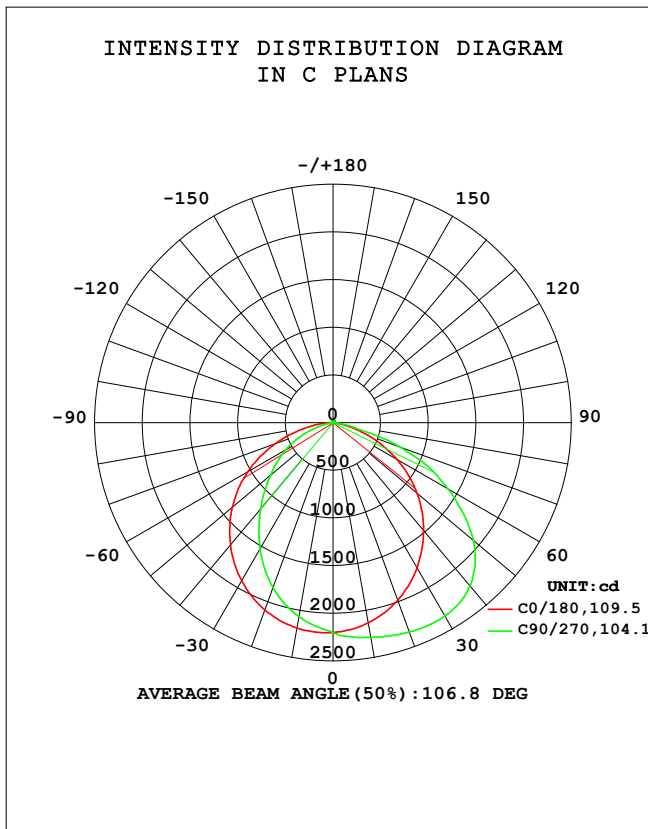


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.76V I:0.1461A P:39.323W PF:0.9757 Freq:60.00Hz Lamp Flux:6263.48x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.28 lm/W			
MODEL		Imax (cd)	2350	η street_up (%)	0.5
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	58.9
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	6263	η house_up (%)	0.6
NOMINAL FLUX (lm)	6263.48	MAXIMUM @ (C, γ)	90, 26.0	η house_down (%)	40.0
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

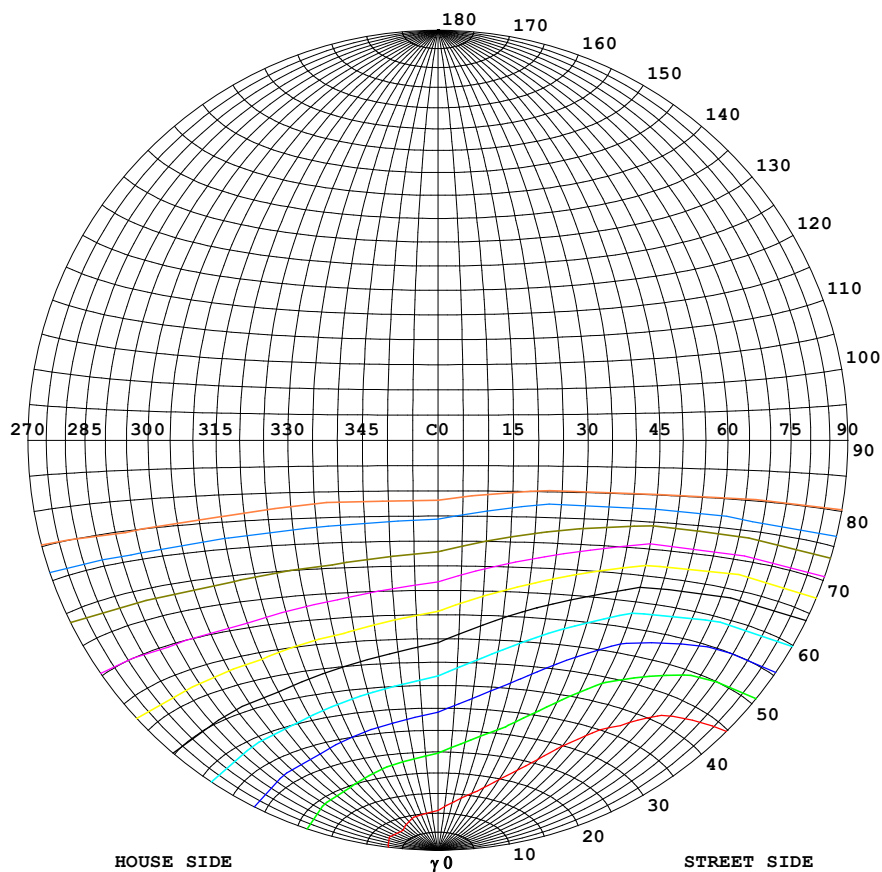


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:275.76V I:0.1461A P:39.323W PF:0.9757 Freq:60.00Hz Lamp Flux:6263.48x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

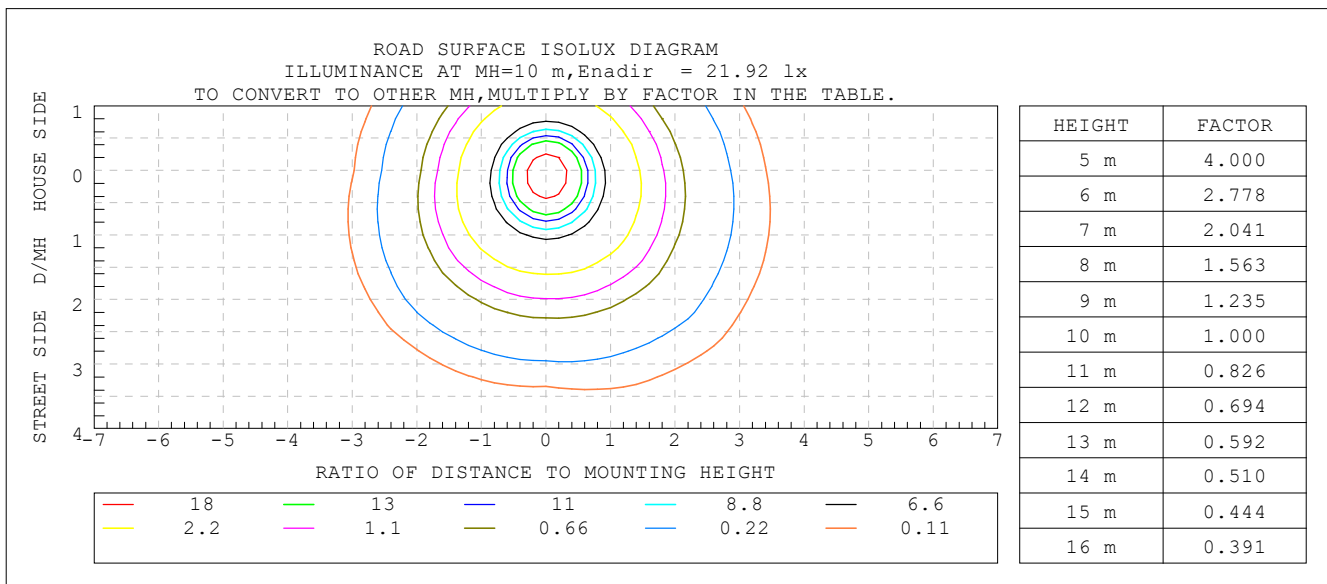
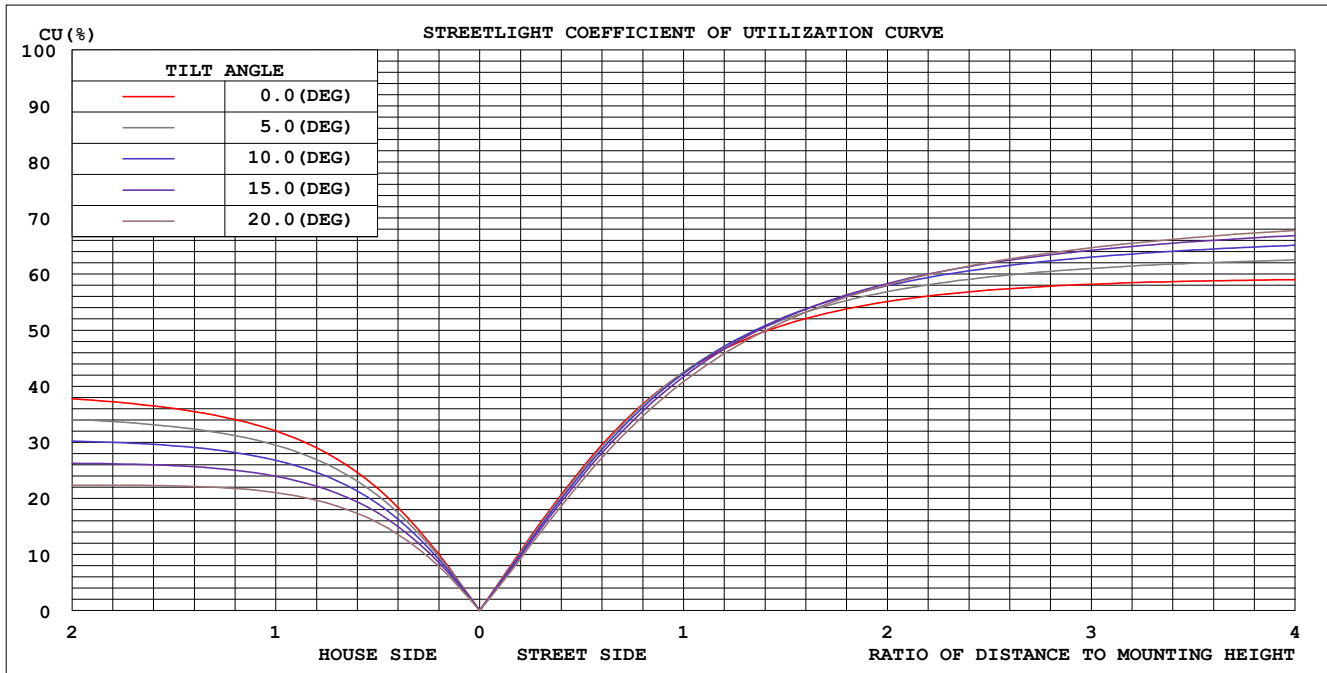
IES:Type III - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:55.27cd/klm
Max.At90:0.7257cd/klm
Max.80-90:55.27cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2350
90%	2115
80%	1880
70%	1645
60%	1410
50%	1175
40%	940
30%	705
20%	470
10%	235
5%	118

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:275.76V I:0.1461A P:39.323W PF:0.9757 Freq:60.00Hz Lamp Flux:6263.48x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

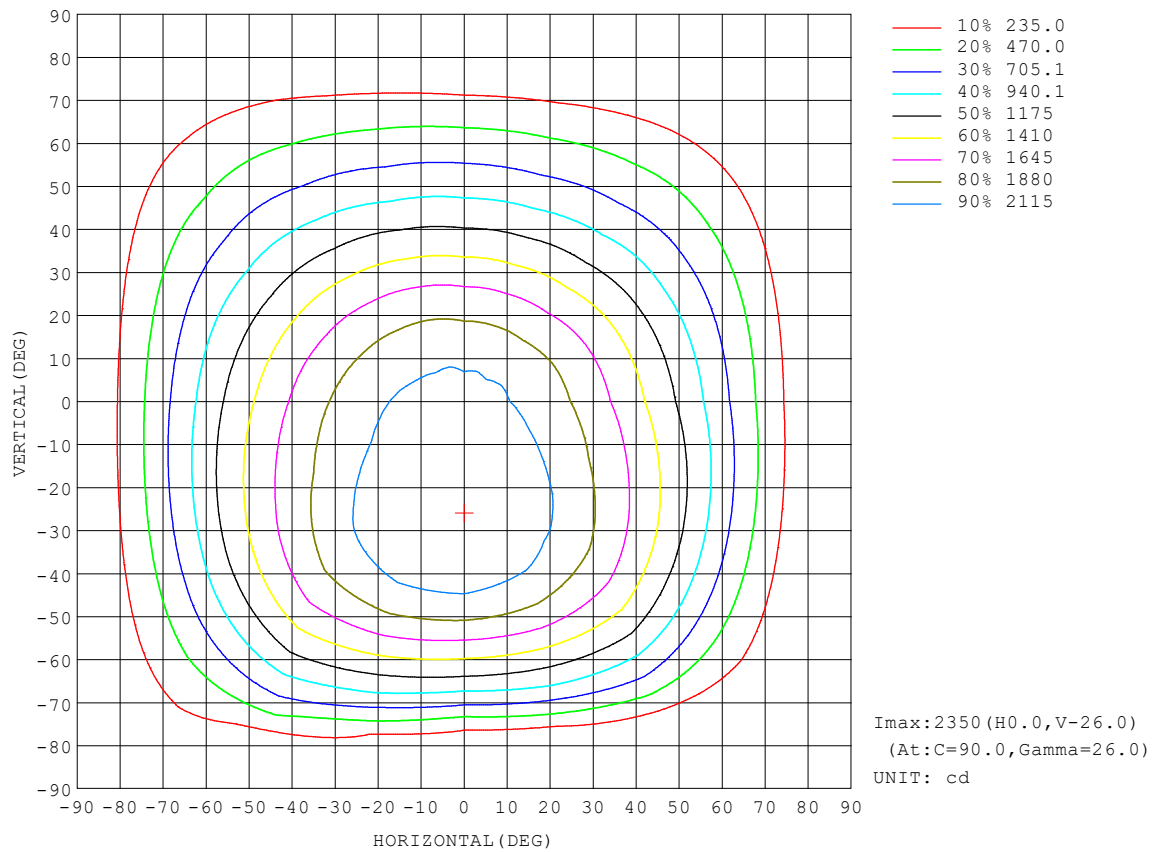
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2132	2232	2288	2263	2186	2109	2066	2076	0- 10	208.6	208.6	3.33,3.33
20	1983	2196	2338	2260	2092	1939	1844	1873	10- 20	599.6	808.2	12.9,12.9
30	1763	2115	2344	2208	1916	1684	1531	1585	20- 30	915.1	1723	27.5,27.5
40	1478	1964	2237	2088	1674	1356	1183	1240	30- 40	1112	2836	45.3,45.3
50	1151	1704	1923	1860	1378	1013	854.1	897.4	40- 50	1160	3996	63.8,63.8
60	775.3	1310	1398	1494	1035	687.0	580.0	581.2	50- 60	1043	5039	80.4,80.4
70	389.8	759.5	743.1	976.0	641.9	402.1	274.5	292.7	60- 70	764.4	5803	92.7,92.7
80	66.09	120.5	127.0	292.6	256.4	110.0	27.20	37.28	70- 80	348.0	6151	98.2,98.2
90	3.421	2.068	1.811	2.555	4.545	3.663	3.568	4.230	80- 90	42.76	6194	98.9,98.9
100	5.853	3.743	2.846	3.041	4.109	5.958	6.705	7.213	90-100	4.168	6198	99,99
110	8.787	5.948	4.745	5.050	6.643	9.036	10.30	10.43	100-110	6.585	6205	99.1,99.1
120	11.94	8.563	7.080	7.532	9.622	12.39	13.94	13.86	110-120	8.993	6214	99.2,99.2
130	14.88	11.36	9.807	10.27	12.72	15.62	17.25	16.89	120-130	10.83	6224	99.4,99.4
140	17.24	13.96	12.47	12.95	15.54	18.31	19.64	19.31	130-140	11.47	6236	99.6,99.6
150	19.13	16.44	15.07	15.53	17.94	20.22	21.23	20.89	140-150	10.78	6247	99.7,99.7
160	20.89	18.79	17.63	18.04	19.95	21.38	21.95	21.74	150-160	8.835	6256	99.9,99.9
170	22.47	20.95	20.02	20.54	21.79	22.22	22.24	22.18	160-170	5.852	6261	100,100
180	23.02	22.25	21.87	22.16	23.00	22.45	21.96	22.00	170-180	2.082	6263	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

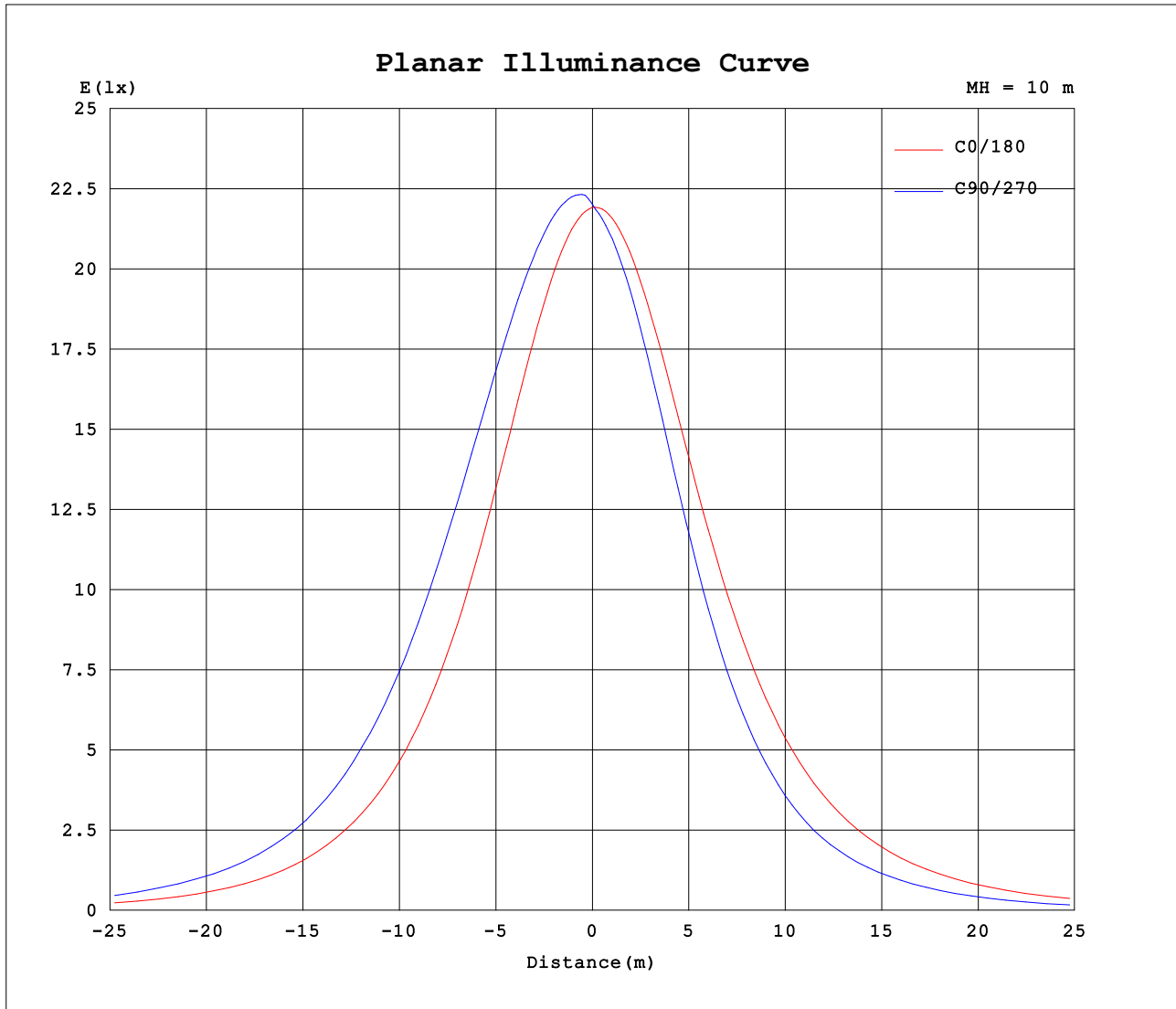
Test:U:275.76V I:0.1461A P:39.323W PF:0.9757 Freq:60.00Hz Lamp Flux:6263.48x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



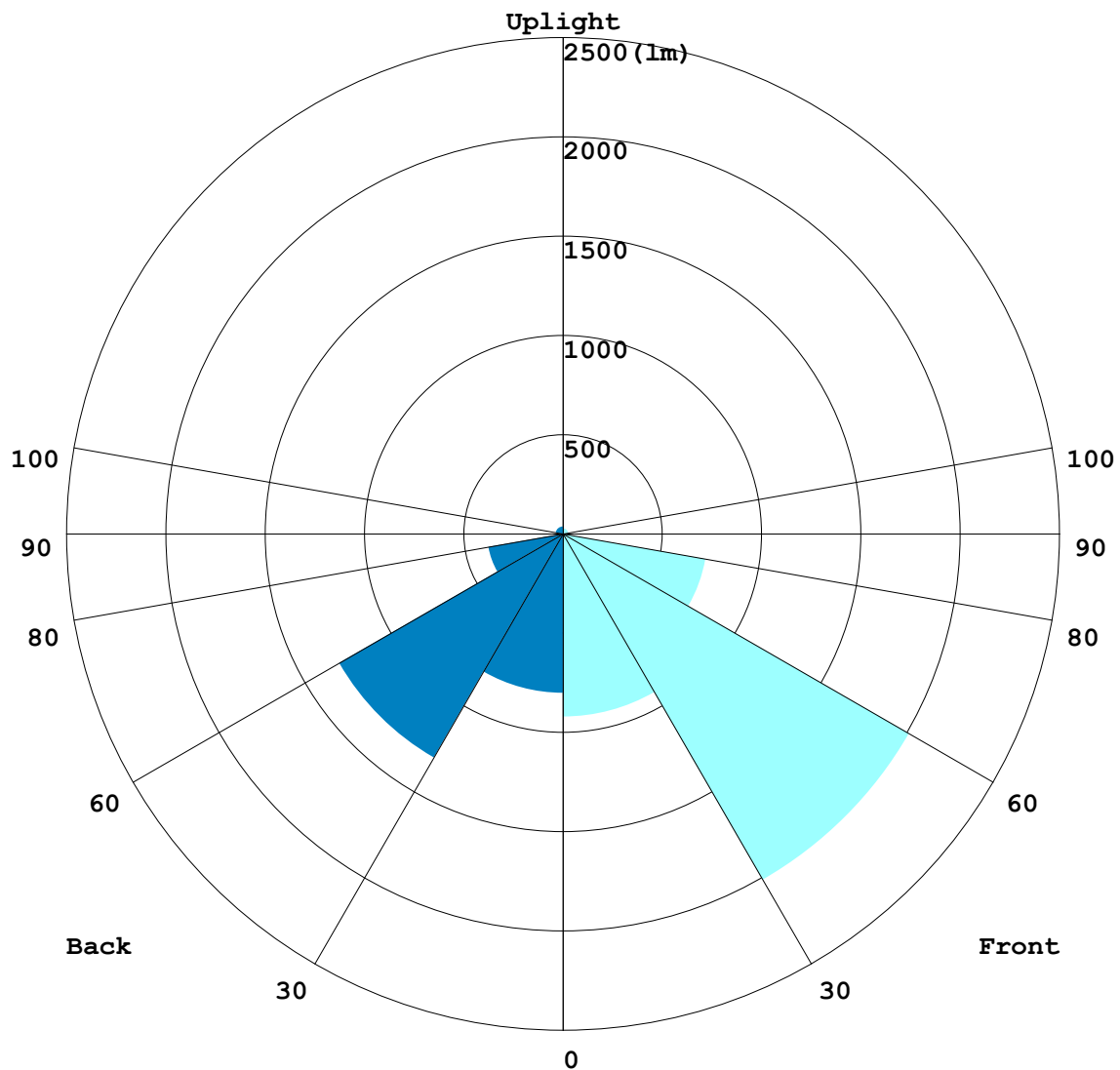
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 7.450m [K=1.0000]
Remarks:

LCS REPORT

Test:U:275.76V I:0.1461A P:39.323W PF:0.9757 Freq:60.00Hz Lamp Flux:6263.48x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

BUG REPORT

Test:U:275.76V I:0.1461A P:39.323W PF:0.9757 Freq:60.00Hz Lamp Flux:6263.48x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	920.83	14.7
FM - Front-Medium(30-60)	2012.9	32.1
FH - Front-High(60-80)	730.21	11.7
FVH - Front-Very High(80-90)	25.488	0.4
Total Forward Light	3718.9	59.4

BL - Back-Low(0-30)	802.4	12.8
BM - Back-Medium(30-60)	1302.6	20.8
BH - Back-High(60-80)	382.21	6.1
BVH - Back-Very High(80-90)	17.27	0.3
Total Back Light	2544.6	40.6

UL - Uplight-Low(90-100)	4.1683	0.1
UH - Uplight-High(100-180)	65.436	1.0
Total Up Light	69.604	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2504.4	40.161	2544.6
Street Side	3689.4	29.443	3718.9

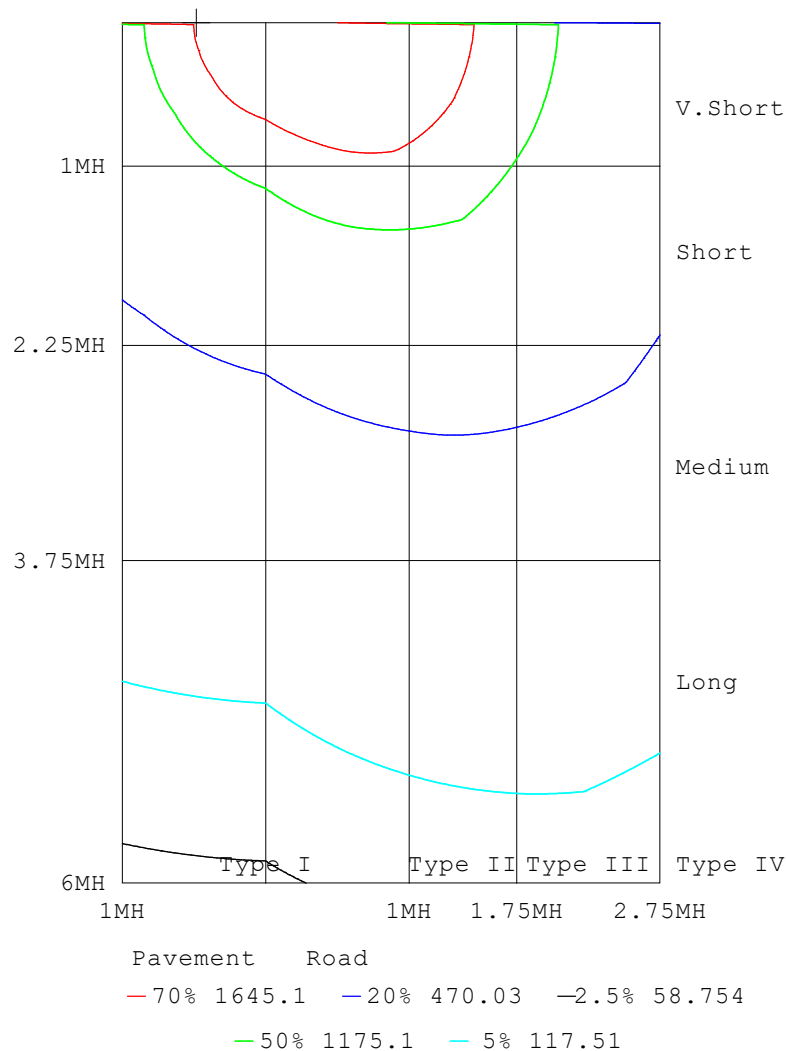
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.450m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:275.76V I:0.1461A P:39.323W PF:0.9757 Freq:60.00Hz Lamp Flux:6263.48x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:275.76V I:0.1461A P:39.323W PF:0.9757 Freq:60.00Hz Lamp Flux:6263.48x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

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	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202	2202			
5	2176	2199	2231	2235	2255	2243	2248	2221	2204	2185	2162	2153	2139	2143	2145	2165			
10	2132	2177	2232	2256	2288	2273	2263	2220	2186	2148	2109	2086	2066	2066	2076	2103			
15	2068	2137	2219	2272	2315	2298	2267	2183	2151	2091	2036	1994	1967	1966	1985	2027			
20	1983	2080	2196	2280	2338	2313	2260	2145	2092	2013	1939	1881	1844	1843	1873	1926			
25	1882	2006	2161	2279	2350	2321	2240	2092	2013	1914	1822	1740	1696	1696	1740	1809			
30	1763	1920	2115	2261	2344	2312	2208	2023	1916	1797	1684	1584	1531	1531	1585	1671			
35	1626	1817	2051	2223	2311	2280	2157	1940	1804	1661	1526	1414	1356	1356	1415	1520			
40	1478	1705	1964	2132	2237	2210	2088	1843	1674	1510	1356	1239	1183	1182	1240	1354			
45	1319	1577	1849	2013	2108	2091	1990	1731	1531	1346	1184	1073	1015	1014	1066	1182			
50	1151	1432	1704	1848	1923	1932	1860	1605	1378	1176	1013	896	854	839	897	1006			
55	970	1260	1526	1625	1673	1716	1695	1453	1214	1003	850	746	714	693	732	827			
60	775	1049	1310	1363	1398	1461	1494	1273	1035	828	687	609	580	557	581	657			
65	580	816	1053	1089	1108	1186	1249	1059	841	654	540	468	427	409	440	490			
70	390	576	759	755	743	876	976	822	642	485	402	320	275	261	293	329			
75	215	345	422	337	301	514	668	579	444	324	252	162	121	111	144	189			
80	66.1	129	121	126	127	184	293	346	256	182	110	57.1	27.2	17.9	37.3	62.2			
85	3.65	3.63	4.48	4.65	5.37	8.41	68.1	105	95.7	55.4	17.1	4.08	3.62	3.79	4.02	4.06			
90	3.42	2.62	2.07	1.76	1.81	2.01	2.56	3.10	4.55	3.89	3.66	3.46	3.57	4.00	4.23	3.93			
95	4.56	3.54	2.83	2.35	2.10	2.05	2.24	2.58	3.06	3.89	4.51	4.86	5.05	5.51	5.63	5.21			
100	5.85	4.61	3.74	3.14	2.85	2.78	3.04	3.48	4.11	5.16	5.96	6.44	6.70	7.17	7.21	6.60			
105	7.26	5.81	4.78	4.07	3.73	3.65	3.99	4.52	5.32	6.53	7.47	8.12	8.49	8.90	8.78	8.09			
110	8.79	7.12	5.95	5.12	4.75	4.63	5.05	5.68	6.64	8.03	9.04	9.82	10.3	10.6	10.4	9.68			
115	10.4	8.54	7.20	6.27	5.85	5.74	6.23	6.95	8.11	9.61	10.7	11.5	12.1	12.4	12.1	11.3			
120	11.9	10.00	8.56	7.54	7.08	6.95	7.53	8.32	9.62	11.3	12.4	13.3	13.9	14.2	13.9	13.0			
125	13.5	11.5	9.98	8.90	8.44	8.27	8.90	9.73	11.2	12.9	14.1	15.0	15.7	15.9	15.5	14.5			
130	14.9	12.9	11.4	10.3	9.81	9.62	10.3	11.1	12.7	14.4	15.6	16.5	17.2	17.4	16.9	15.8			
135	16.1	14.2	12.7	11.6	11.1	10.9	11.6	12.4	14.2	15.8	17.0	17.8	18.5	18.6	18.1	17.0			
140	17.2	15.4	14.0	12.9	12.5	12.3	12.9	13.7	15.5	17.1	18.3	19.0	19.6	19.7	19.3	18.1			
145	18.2	16.6	15.2	14.2	13.8	13.6	14.3	15.0	16.8	18.2	19.4	19.9	20.5	20.5	20.1	19.1			
150	19.1	17.8	16.4	15.5	15.1	14.9	15.5	16.2	17.9	19.2	20.2	20.7	21.2	21.2	20.9	20.0			
155	20.0	18.9	17.6	16.8	16.4	16.1	16.8	17.3	19.0	20.0	20.9	21.3	21.7	21.6	21.4	20.6			
160	20.9	20.0	18.8	18.0	17.6	17.4	18.0	18.5	20.0	20.7	21.4	21.6	22.0	21.9	21.7	21.1			
165	21.7	21.0	19.9	19.2	18.8	18.7	19.3	19.7	20.9	21.3	21.8	21.9	22.1	22.0	21.9	21.5			
170	22.5	22.0	20.9	20.3	20.0	19.9	20.5	20.7	21.8	21.9	22.2	22.1	22.2	22.2	22.2	22.0			
175	23.0	22.6	21.7	21.3	21.0	20.9	21.5	21.5	22.6	22.4	22.4	22.1	22.1	22.1	22.2	22.2			
180	23.0	22.8	22.2	22.1	21.9	21.7	22.2	22.0	23.0	22.6	22.5	22.0	22.0	21.9	22.0	22.1			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:7.450m [K=1.0000]
 Remarks: