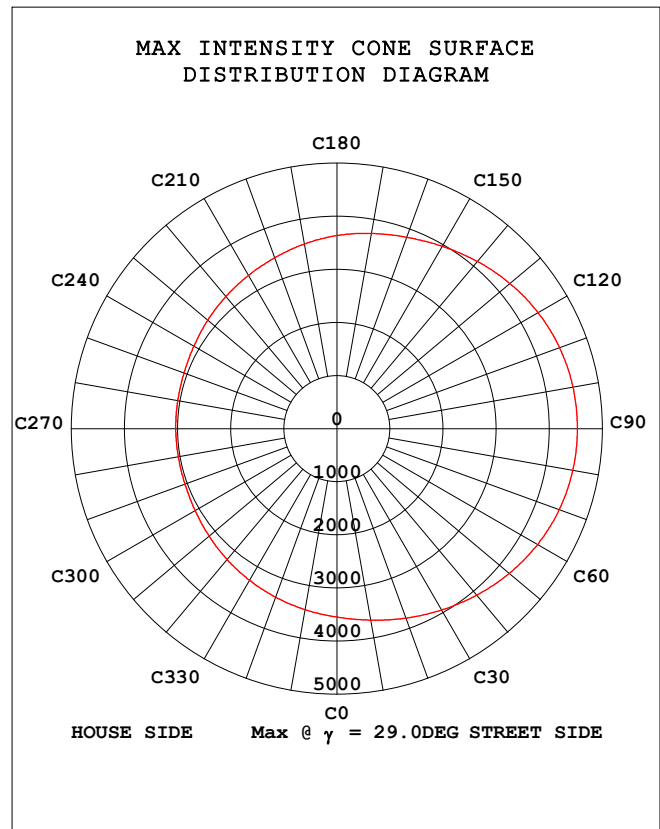
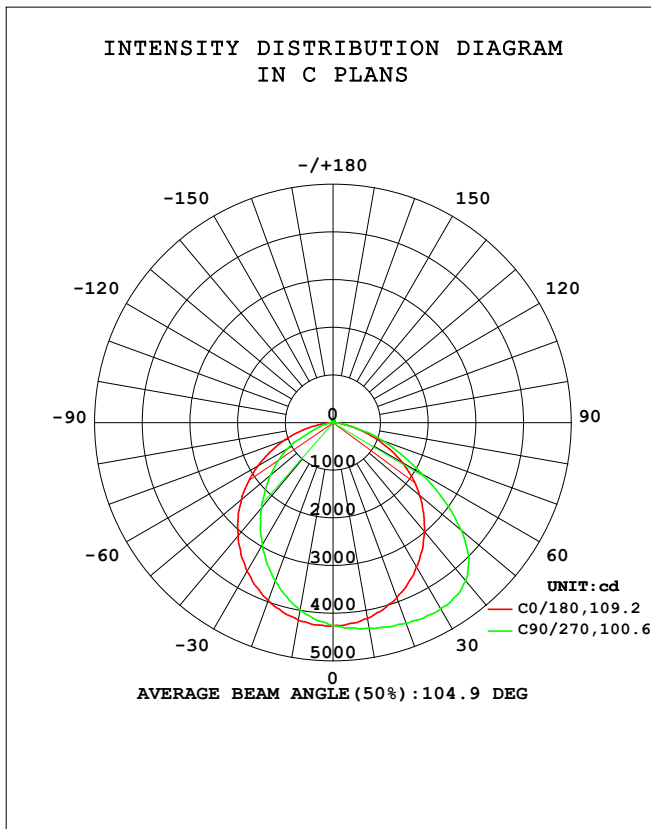


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.38V I:0.3043A P:82.851W PF:0.9888 Freq:60.00Hz Lamp Flux:12108.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.14 lm/W			
MODEL		I _{max} (cd)	4527	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	59.1
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	12108	η house_up (%)	0.6
NOMINAL FLUX (lm)	12108.2	MAXIMUM @ (C, γ)	90, 29.0	η house_down (%)	39.7
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

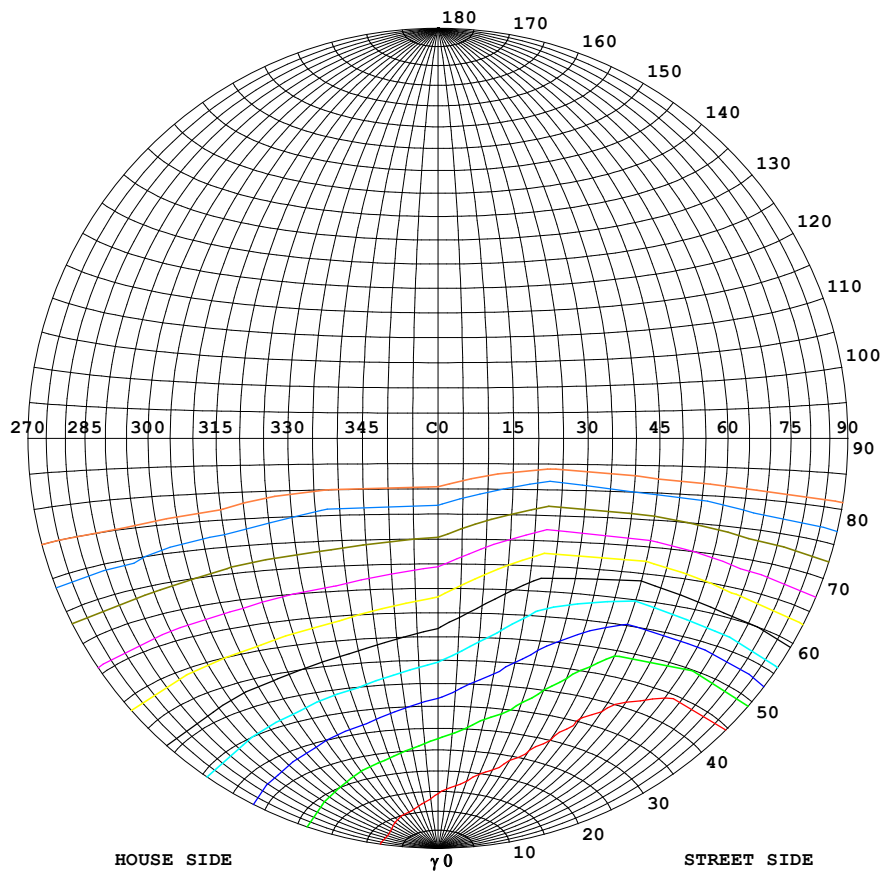


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.38V I:0.3043A P:82.851W PF:0.9888 Freq:60.00Hz Lamp Flux:12108.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

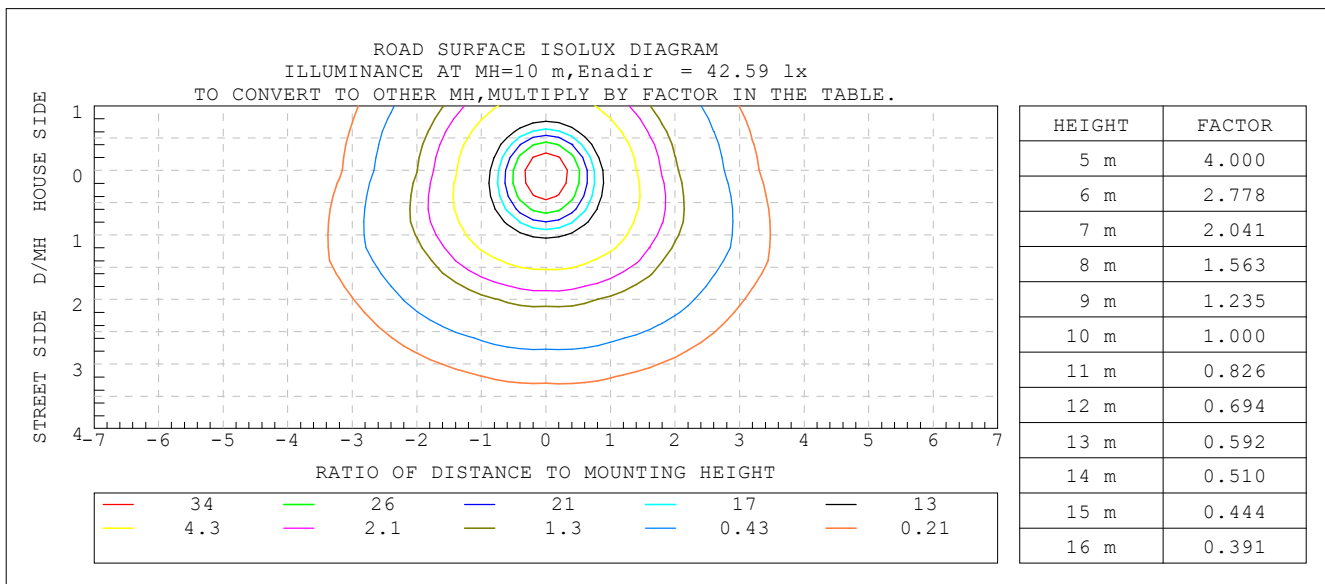
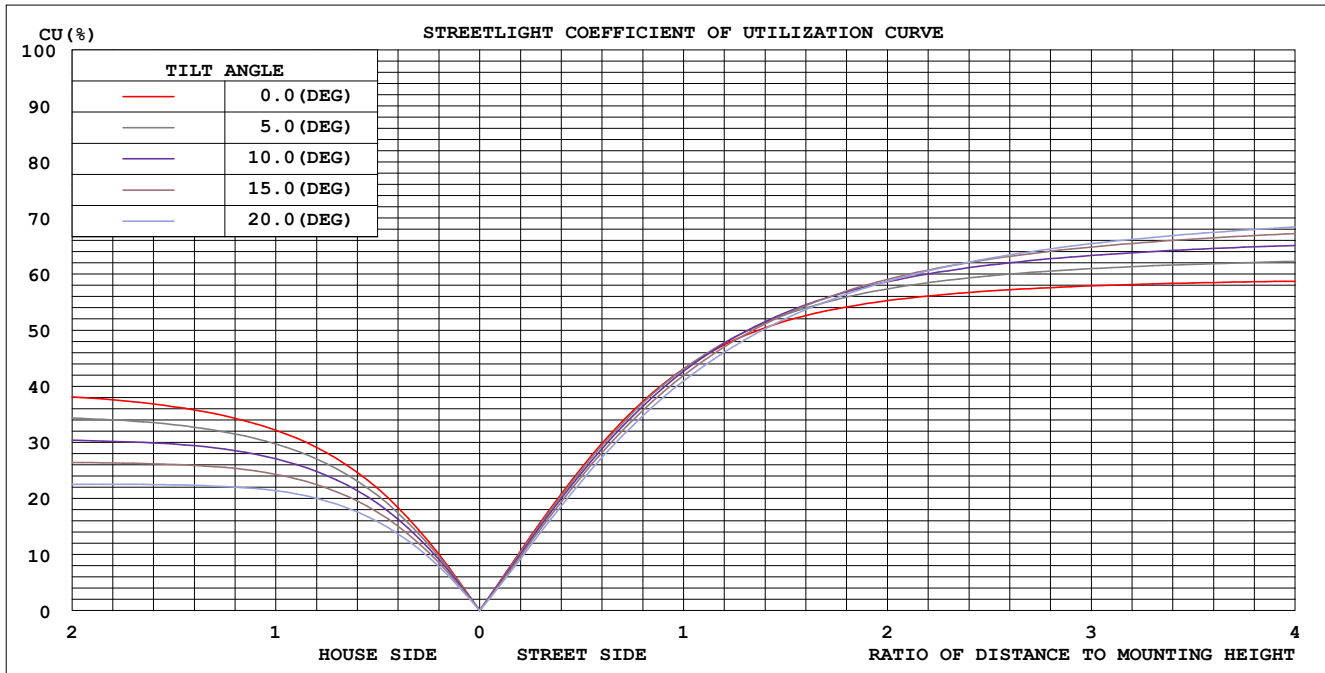
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:58.38cd/klm
Max.At90:0.6484cd/klm
Max.80-90:58.38cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4527
90%	4074
80%	3622
70%	3169
60%	2716
50%	2263
40%	1811
30%	1358
20%	905
10%	453
5%	226

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-19

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: 2025-07-19

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:275.38V I:0.3043A P:82.851W PF:0.9888 Freq:60.00Hz Lamp Flux:12108.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

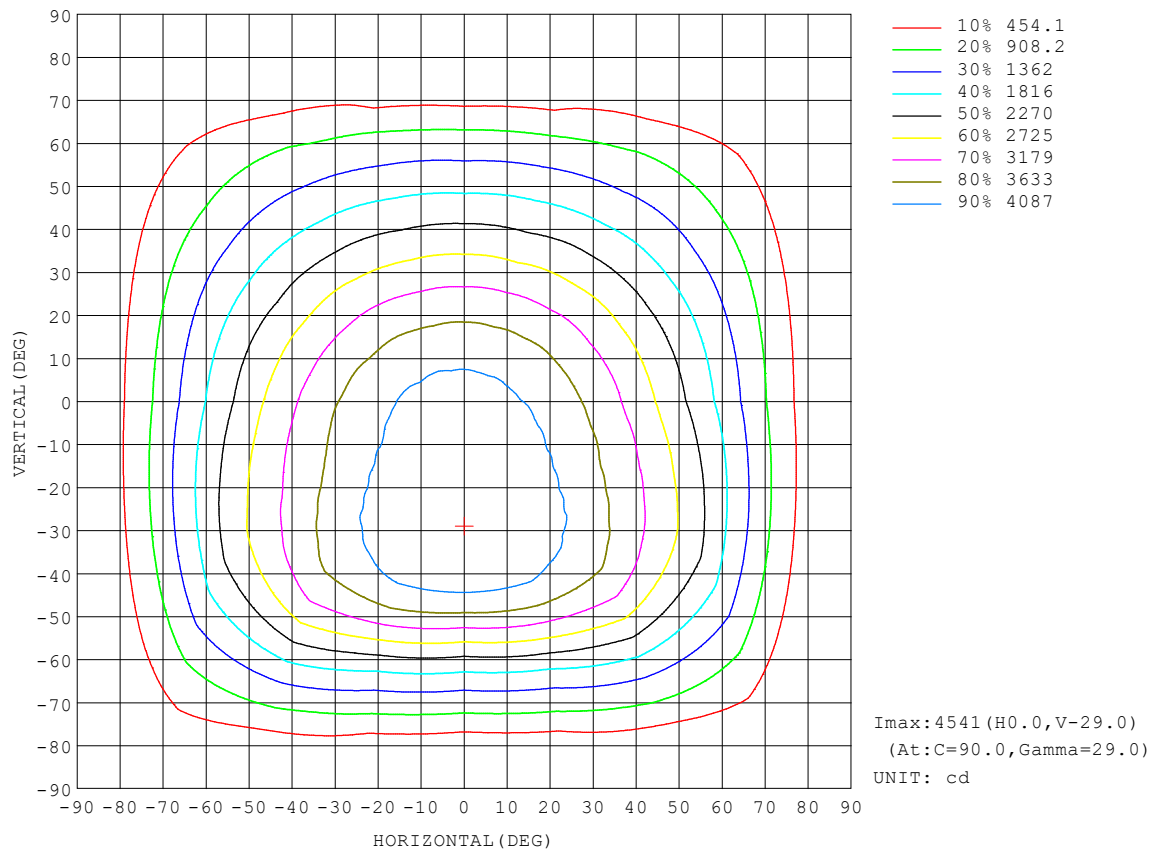
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4171	4319	4373	4333	4206	4066	3990	4058	0- 10	403.1	403.1	3.33,3.33
20	3911	4276	4484	4287	3967	3677	3540	3653	10- 20	1156	1559	12.9,12.9
30	3503	4149	4510	4174	3608	3170	2976	3136	20- 30	1764	3323	27.4,27.4
40	2992	3970	4333	3998	3100	2555	2337	2515	30- 40	2158	5481	45.3,45.3
50	2372	3546	3518	3600	2513	1911	1714	1860	40- 50	2271	7752	64,64
60	1683	2685	2165	2796	1826	1314	1117	1267	50- 60	2021	9773	80.7,80.7
70	933.0	1493	1106	1607	1087	748.3	393.8	686.8	60- 70	1417	11190	92.4,92.4
80	250.3	408.3	270.4	524.0	387.3	146.8	75.22	113.0	70- 80	679.7	11870	98,98
90	6.377	4.057	3.787	4.762	6.778	7.261	6.071	7.851	80- 90	103.9	11974	98.9,98.9
100	10.85	7.131	5.785	7.005	9.821	12.70	11.71	13.34	90-100	8.218	11982	99,99
110	16.34	11.30	9.648	11.16	14.96	18.62	18.45	19.31	100-110	12.99	11995	99.1,99.1
120	22.15	16.17	14.28	15.98	20.78	25.00	25.73	25.61	110-120	17.64	12013	99.2,99.2
130	27.81	21.60	19.43	21.29	26.52	30.88	31.94	31.66	120-130	21.10	12034	99.4,99.4
140	32.04	26.45	24.38	26.01	31.14	35.42	36.63	35.87	130-140	22.18	12056	99.6,99.6
150	35.56	31.09	29.10	30.53	34.80	38.68	39.36	38.36	140-150	20.59	12076	99.7,99.7
160	38.97	35.49	33.62	34.79	38.11	40.99	40.83	40.17	150-160	16.72	12093	99.9,99.9
170	41.94	39.48	37.94	39.13	41.44	42.73	42.03	41.64	160-170	11.08	12104	100,100
180	43.48	42.50	41.72	42.08	43.43	42.87	41.77	41.89	170-180	3.952	12108	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:2025-07-19

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

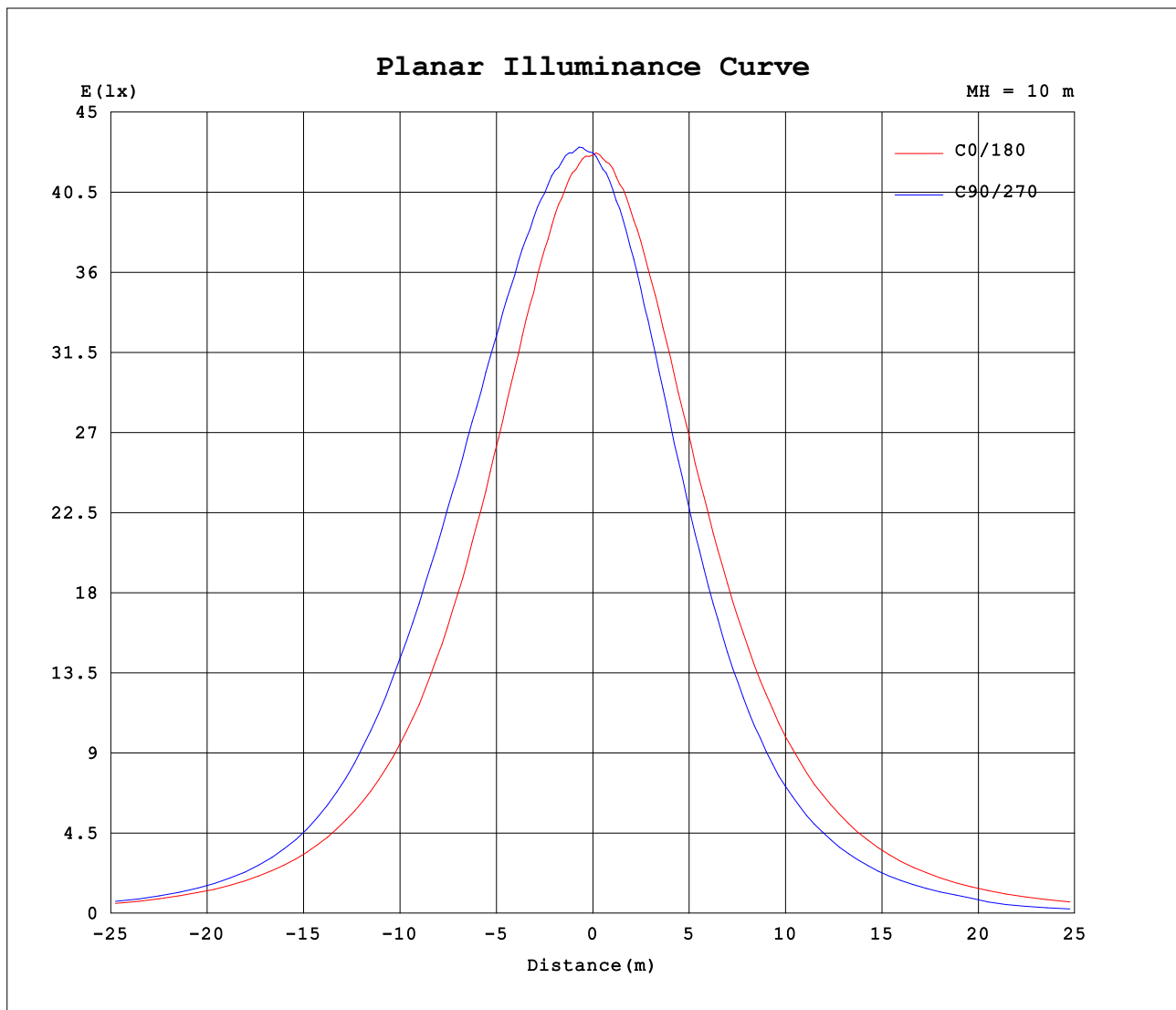
Test:U:275.38V I:0.3043A P:82.851W PF:0.9888 Freq:60.00Hz Lamp Flux:12108.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-19

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



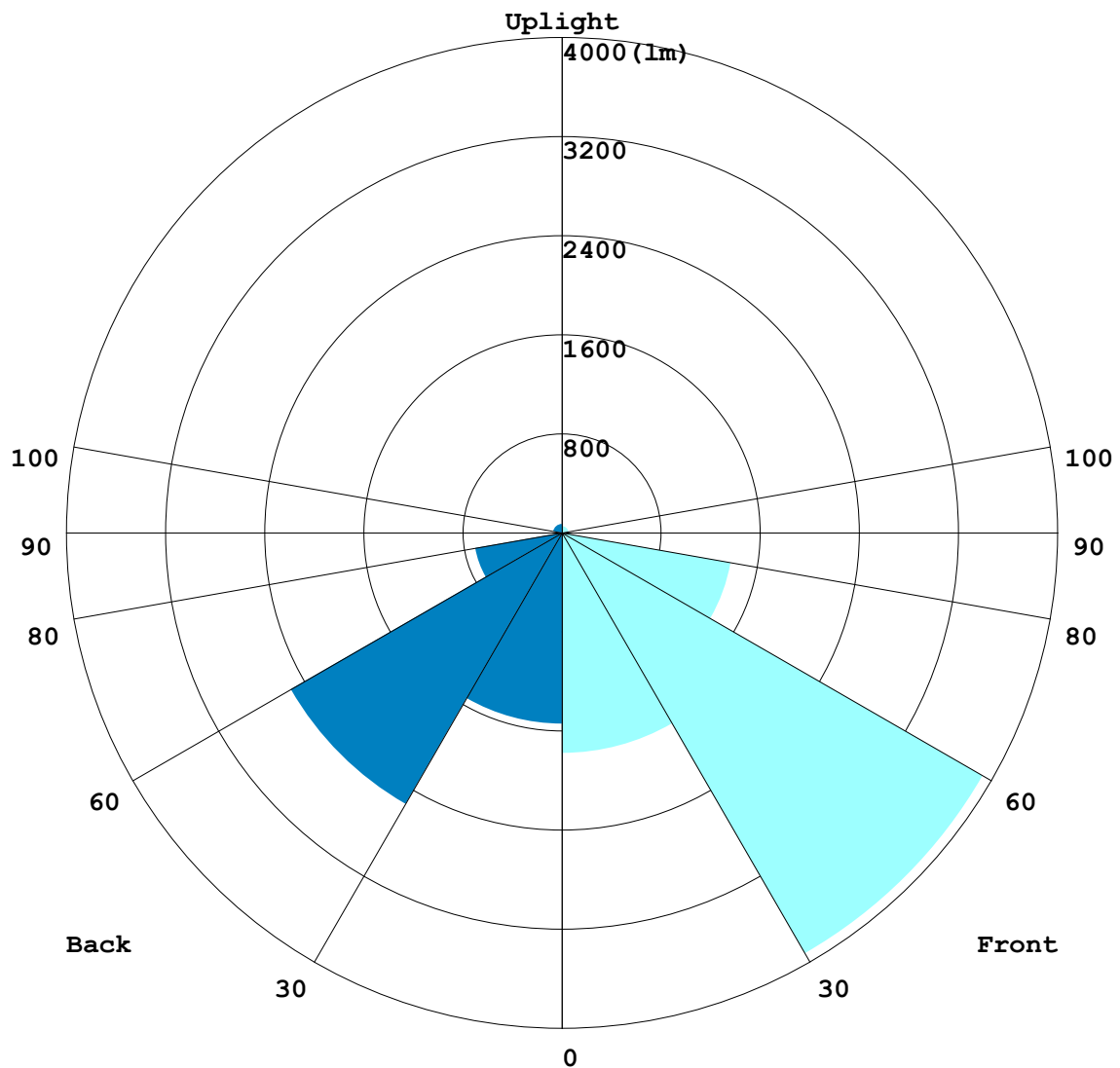
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.38V I:0.3043A P:82.851W PF:0.9888 Freq:60.00Hz Lamp Flux:12108.2x1 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:2025-07-19

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:275.38V I:0.3043A P:82.851W PF:0.9888 Freq:60.00Hz Lamp Flux:12108.2x1 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)	1779.7	14.7
FM - Front-Medium(30-60)	3922.1	32.4
FH - Front-High(60-80)	1384.2	11.4
FVH - Front-Very High(80-90)	75.542	0.6
Total Forward Light	7219	59.6

BL - Back-Low(0-30)	1543.1	12.7
BM - Back-Medium(30-60)	2528.1	20.9
BH - Back-High(60-80)	712.72	5.9
BVH - Back-Very High(80-90)	28.314	0.2
Total Back Light	4889.2	40.4

UL - Uplight-Low(90-100)	8.2177	0.1
UH - Uplight-High(100-180)	126.26	1.0
Total Up Light	134.47	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4812.2	76.994	4889.2
Street Side	7161.5	57.479	7219

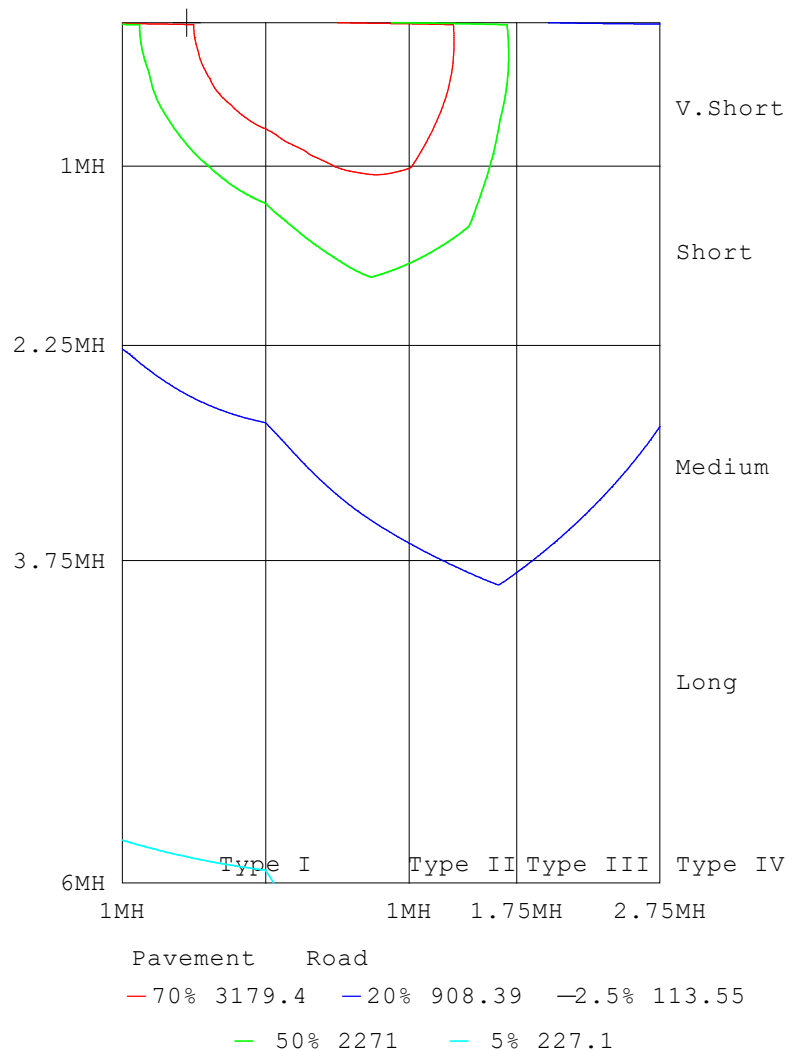
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-19

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:275.38V I:0.3043A P:82.851W PF:0.9888 Freq:60.00Hz Lamp Flux:12108.2x1 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:2025-07-19

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:275.38V I:0.3043A P:82.851W PF:0.9888 Freq:60.00Hz Lamp Flux:12108.2x1 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	4260	4260	4260	4260	4260	4260	4260	4260	4260	4260	4260	4260	4260	4260	4260	4260			
5	4227	4261	4295	4313	4323	4342	4307	4271	4260	4213	4193	4159	4151	4150	4188	4208			
10	4171	4229	4319	4360	4373	4387	4333	4257	4206	4117	4066	4013	3990	4008	4058	4111			
15	4064	4179	4308	4405	4435	4415	4325	4206	4111	3974	3896	3807	3777	3813	3880	3959			
20	3911	4082	4276	4427	4484	4426	4287	4112	3967	3807	3677	3565	3540	3563	3653	3770			
25	3718	3950	4214	4436	4519	4448	4233	3980	3801	3601	3437	3311	3274	3289	3408	3561			
30	3503	3785	4149	4419	4510	4455	4174	3828	3608	3351	3170	3017	2976	2998	3136	3307			
35	3266	3614	4082	4377	4460	4407	4104	3667	3370	3070	2870	2712	2656	2690	2831	3028			
40	2992	3436	3970	4272	4333	4296	3998	3478	3100	2772	2555	2384	2337	2373	2515	2717			
45	2693	3226	3800	4027	4035	4057	3835	3267	2813	2462	2233	2077	2015	2057	2186	2398			
50	2372	3003	3546	3598	3518	3663	3600	3045	2513	2149	1911	1776	1714	1748	1860	2089			
55	2044	2750	3184	3002	2842	3088	3271	2809	2178	1826	1610	1484	1418	1458	1561	1760			
60	1683	2457	2685	2339	2165	2415	2796	2531	1826	1497	1314	1180	1117	1156	1267	1436			
65	1307	2047	2092	1702	1578	1761	2215	2138	1452	1175	1023	861	662	796	976	1110			
70	933	1578	1493	1193	1106	1240	1607	1689	1087	867	748	437	394	415	687	802			
75	572	1078	975	767	623	817	1060	1196	727	582	345	250	224	233	302	519			
80	250	595	408	304	270	333	524	707	387	314	147	87.4	75.2	76.4	113	226			
85	35.7	124	85.5	54.8	51.1	66.5	122	239	109	67.9	17.2	6.02	5.05	5.89	8.03	30.7			
90	6.38	4.79	4.06	3.87	3.79	4.27	4.76	5.44	6.78	7.09	7.26	6.50	6.07	6.91	7.85	7.51			
95	8.46	6.52	5.38	4.56	4.25	4.50	5.28	6.19	7.50	9.24	9.81	9.15	8.65	9.60	10.5	9.86			
100	10.8	8.51	7.13	6.14	5.78	6.09	7.01	8.13	9.82	11.8	12.7	12.2	11.7	12.7	13.3	12.4			
105	13.5	10.7	9.14	8.02	7.60	7.92	8.98	10.3	12.3	14.4	15.6	15.4	15.0	16.0	16.3	15.1			
110	16.3	13.2	11.3	10.1	9.65	10.00	11.2	12.7	15.0	17.3	18.6	18.7	18.4	19.5	19.3	18.0			
115	19.2	15.8	13.7	12.4	11.9	12.2	13.5	15.2	17.8	20.4	21.8	22.2	22.1	22.9	22.4	21.0			
120	22.2	18.6	16.2	14.8	14.3	14.6	16.0	17.9	20.8	23.6	25.0	25.7	25.7	26.3	25.6	24.2			
125	25.1	21.3	18.9	17.3	16.8	17.3	18.6	20.6	23.8	26.7	28.1	28.9	29.1	29.5	28.8	27.1			
130	27.8	24.0	21.6	20.0	19.4	19.9	21.3	23.3	26.5	29.4	30.9	31.6	31.9	32.4	31.7	29.6			
135	30.1	26.5	24.1	22.6	22.0	22.3	23.7	25.7	28.9	31.8	33.2	34.0	34.4	34.9	34.0	31.7			
140	32.0	28.8	26.5	24.9	24.4	24.6	26.0	27.8	31.1	34.0	35.4	36.2	36.6	36.9	35.9	33.6			
145	34.0	31.0	28.8	27.3	26.6	27.0	28.4	30.0	33.1	35.8	37.2	37.8	38.2	38.6	37.4	35.1			
150	35.6	33.2	31.1	29.7	29.1	29.4	30.5	31.9	34.8	37.4	38.7	39.1	39.4	39.4	38.4	36.5			
155	37.3	35.2	33.4	32.0	31.5	31.6	32.7	33.9	36.4	38.7	39.9	40.0	40.1	40.3	39.3	37.5			
160	39.0	37.2	35.5	34.2	33.6	33.8	34.8	35.7	38.1	39.8	41.0	40.9	40.8	41.0	40.2	38.6			
165	40.6	39.2	37.6	36.4	35.8	36.0	37.0	37.7	39.7	40.9	41.8	41.7	41.5	41.7	40.9	39.7			
170	41.9	40.9	39.5	38.5	37.9	38.3	39.1	39.4	41.4	42.1	42.7	42.3	42.0	42.1	41.6	40.9			
175	43.1	42.2	41.2	40.5	40.0	40.2	40.8	40.8	42.8	42.9	43.2	42.5	42.1	42.5	42.1	41.7			
180	43.5	42.9	42.5	42.2	41.7	41.8	42.1	41.6	43.4	42.9	42.9	42.0	41.8	42.1	41.9	41.7			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-19

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