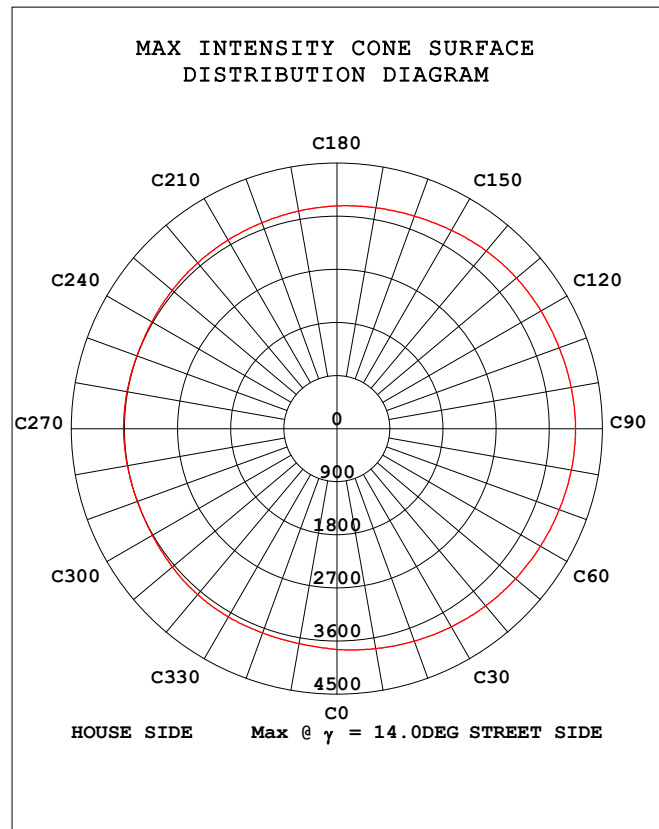
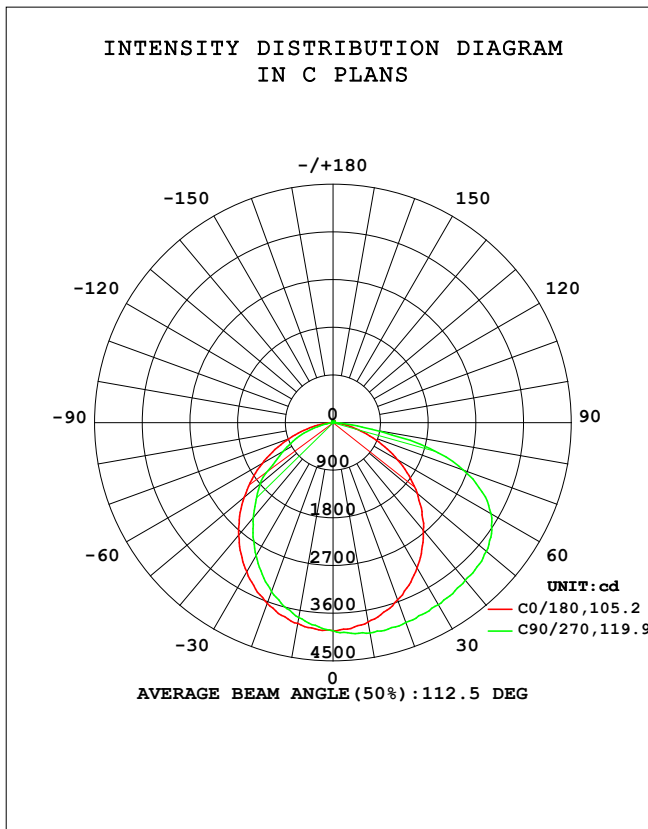


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.51V I:0.3038A P:82.773W PF:0.9888 Freq:60.00Hz Lamp Flux:11628.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.49 lm/W			
MODEL		I _{max} (cd)	4043	η street_up (%)	0.5
NOMINAL POWER(W)	80	LOR (%)	100.0	η street_down (%)	59.4
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	11628	η house_up (%)	0.6
NOMINAL FLUX(lm)	11628.5	MAXIMUM @ (C, γ)	90,14.0	η house_down (%)	39.5
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

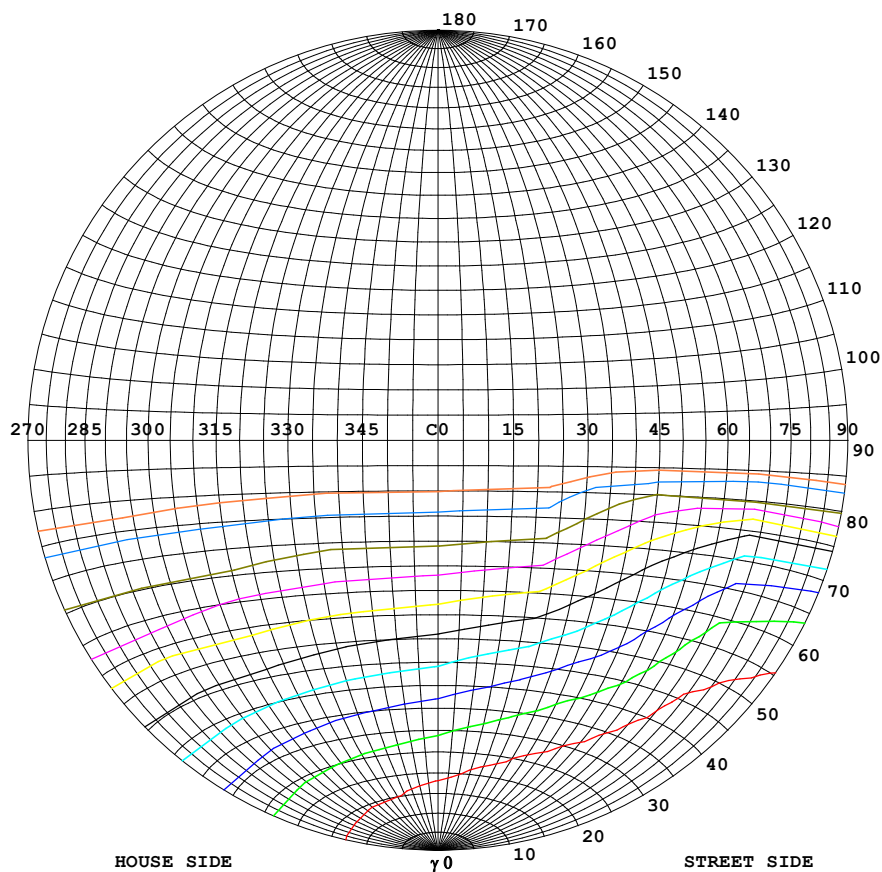


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.51V I:0.3038A P:82.773W PF:0.9888 Freq:60.00Hz Lamp Flux:11628.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

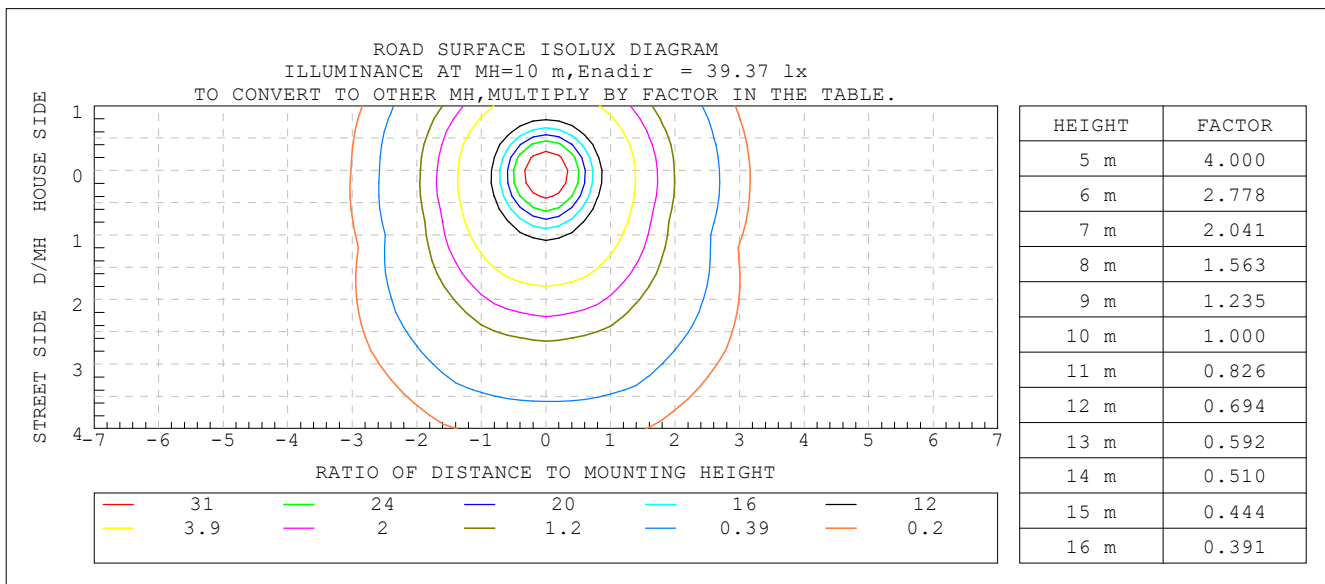
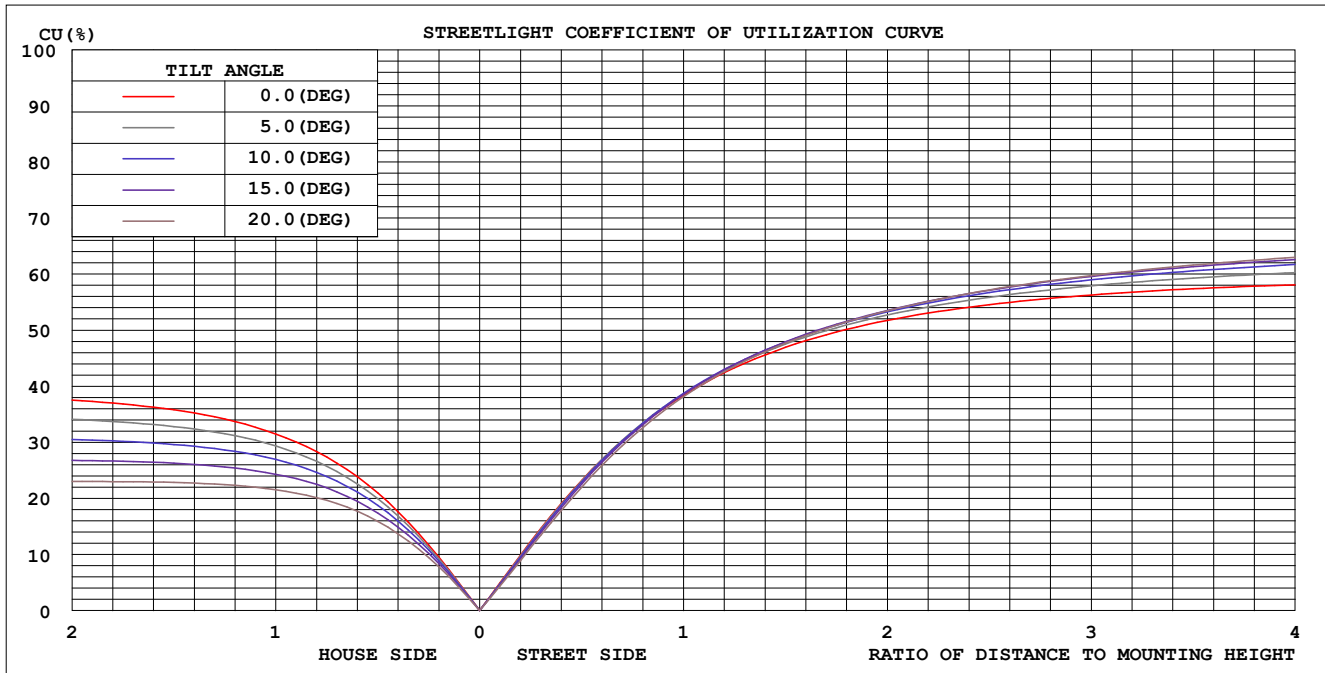
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:80.52cd/klm
Max.At90:0.9265cd/klm
Max.80-90:80.52cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4043
90%	3639
80%	3235
70%	2830
60%	2426
50%	2022
40%	1617
30%	1213
20%	809
10%	404
5%	202

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

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: 2025-07-18

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:275.51V I:0.3038A P:82.773W PF:0.9888 Freq:60.00Hz Lamp Flux:11628.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

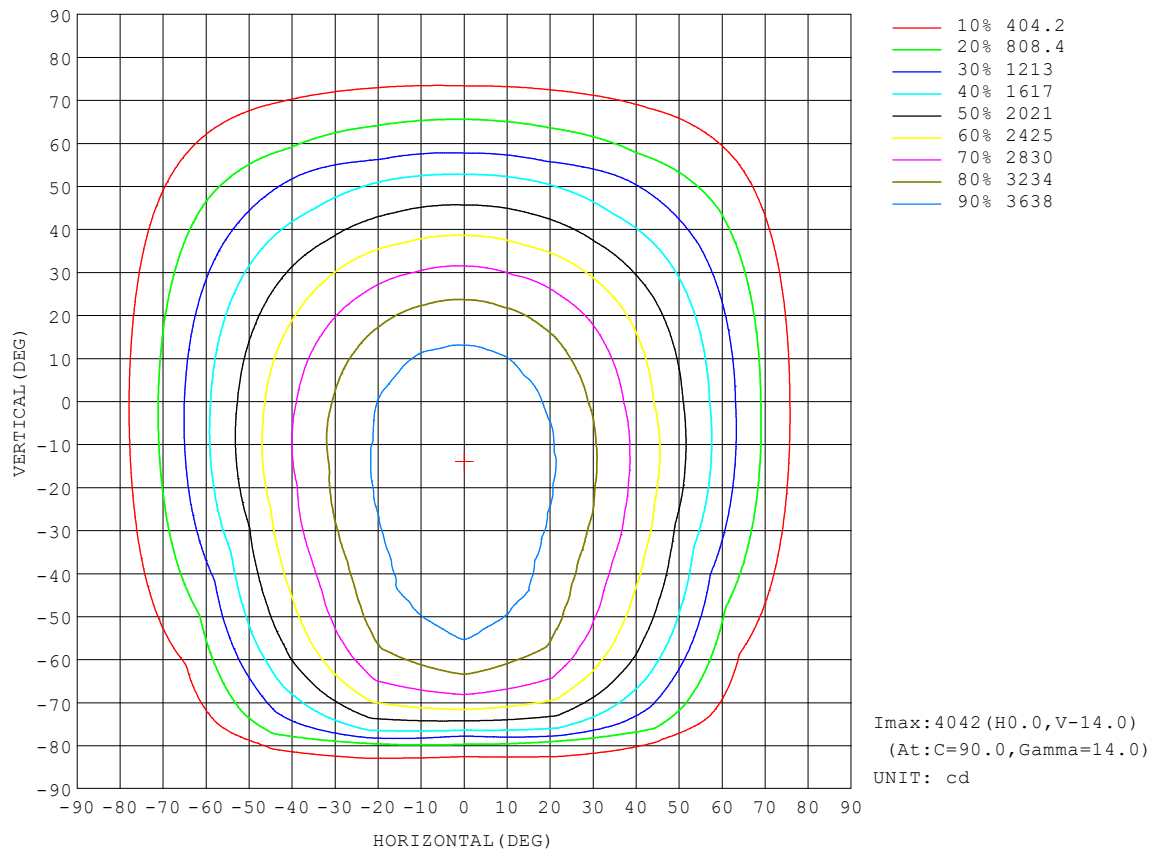
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3822	3963	4034	3980	3851	3767	3738	3771	0- 10	371.7	371.7	3.2,3.2
20	3567	3843	4014	3872	3638	3472	3399	3448	10- 20	1065	1437	12.4,12.4
30	3176	3630	3973	3663	3257	3023	2903	2995	20- 30	1614	3051	26.2,26.2
40	2656	3295	3886	3346	2778	2487	2348	2443	30- 40	1955	5006	43,43
50	2076	2870	3781	2913	2185	1867	1790	1822	40- 50	2060	7066	60.8,60.8
60	1415	2400	3451	2455	1547	1302	1100	1253	50- 60	1919	8985	77.3,77.3
70	742.2	1739	2617	1806	883.4	646.1	580.7	593.1	60- 70	1517	10502	90.3,90.3
80	195.6	815.0	753.9	936.4	295.8	179.4	104.8	128.8	70- 80	868.2	11371	97.8,97.8
90	4.946	3.959	4.261	4.918	5.307	7.814	10.77	8.304	80- 90	131.8	11502	98.9,98.9
100	8.761	6.945	6.062	6.717	7.787	12.75	16.94	13.13	90-100	8.548	11511	99,99
110	13.47	10.89	9.794	10.64	12.33	18.11	22.49	18.32	100-110	12.83	11524	99.1,99.1
120	18.82	15.48	14.24	15.18	17.53	23.90	28.05	23.92	110-120	16.88	11541	99.2,99.2
130	23.92	20.34	19.08	20.06	22.72	29.26	32.41	28.48	120-130	19.81	11561	99.4,99.4
140	28.21	24.75	23.47	24.27	27.18	32.79	34.80	31.50	130-140	20.46	11581	99.6,99.6
150	31.80	28.82	27.48	28.25	30.95	34.91	36.35	33.79	140-150	18.78	11600	99.8,99.8
160	34.96	32.50	31.35	31.98	34.26	36.40	37.10	35.53	150-160	15.16	11615	99.9,99.9
170	38.05	36.00	35.04	35.74	37.51	37.79	37.54	36.94	160-170	10.01	11625	100,100
180	39.40	38.15	37.65	37.96	39.45	38.38	37.80	37.55	170-180	3.568	11628	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:2025-07-18

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

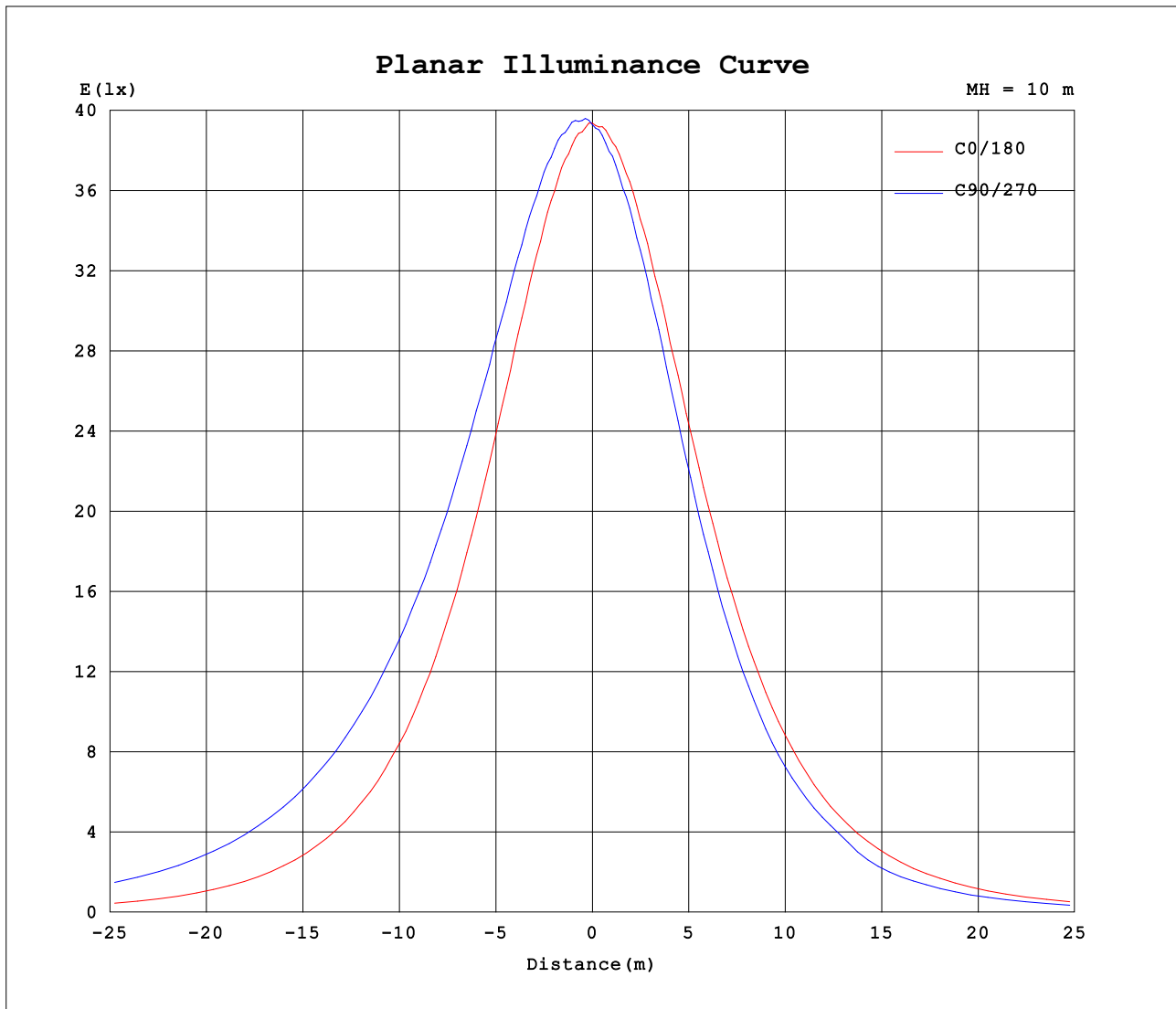
Test:U:275.51V I:0.3038A P:82.773W PF:0.9888 Freq:60.00Hz Lamp Flux:11628.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

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



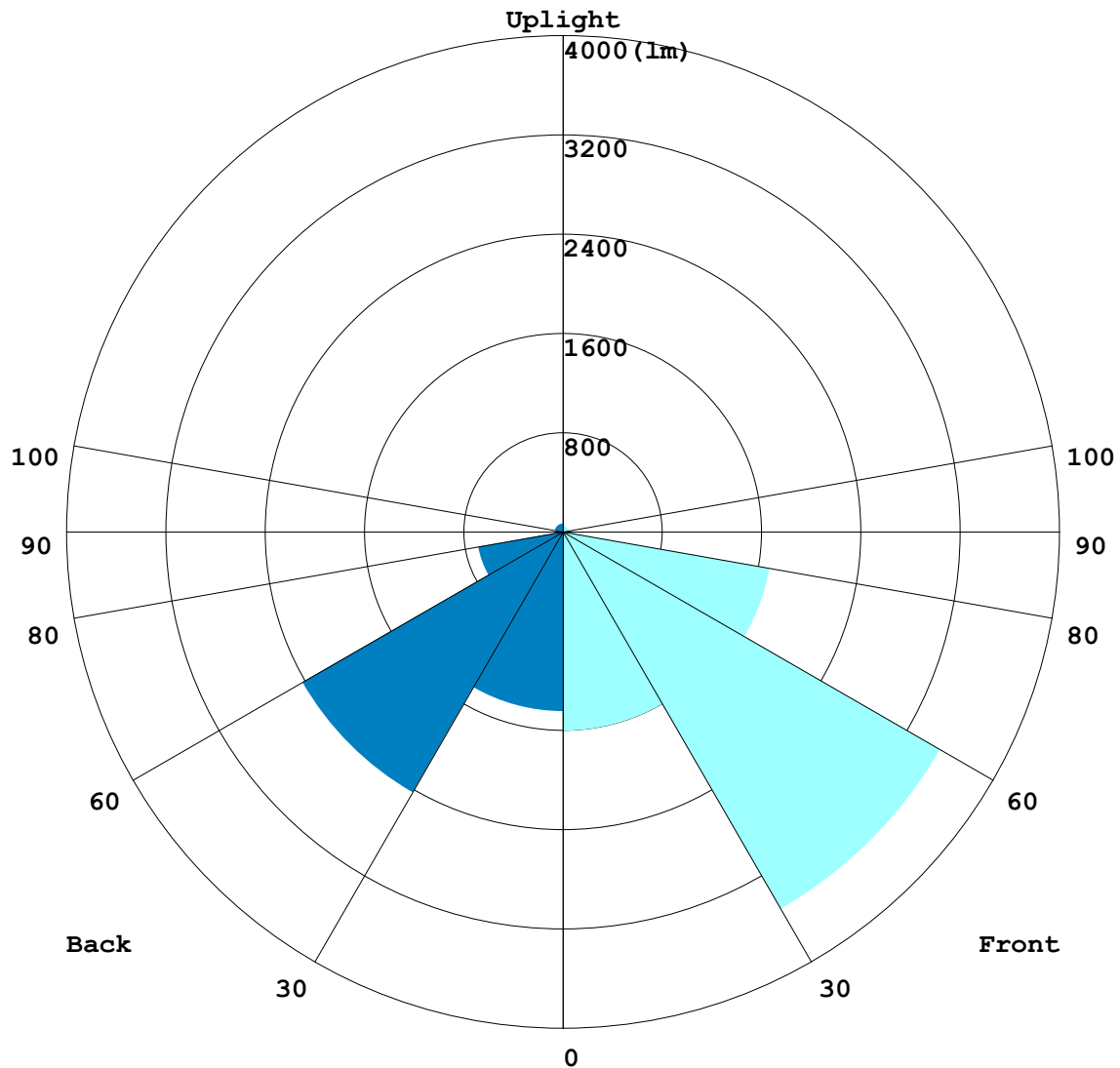
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.51V I:0.3038A P:82.773W PF:0.9888 Freq:60.00Hz Lamp Flux:11628.5x1 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:2025-07-18

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:275.51V I:0.3038A P:82.773W PF:0.9888 Freq:60.00Hz Lamp Flux:11628.5x1 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)	1604.3	13.8
FM - Front-Medium(30-60)	3509.4	30.2
FH - Front-High(60-80)	1690.6	14.5
FVH - Front-Very High(80-90)	104.64	0.9
Total Forward Light	6962.2	59.9

BL - Back-Low(0-30)	1446.9	12.4
BM - Back-Medium(30-60)	2424.3	20.8
BH - Back-High(60-80)	695.15	6.0
BVH - Back-Very High(80-90)	27.152	0.2
Total Back Light	4666.3	40.1

UL - Uplight-Low(90-100)	8.5484	0.1
UH - Uplight-High(100-180)	117.5	1.0
Total Up Light	126.05	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4593.5	72.767	4666.3
Street Side	6908.9	53.279	6962.2

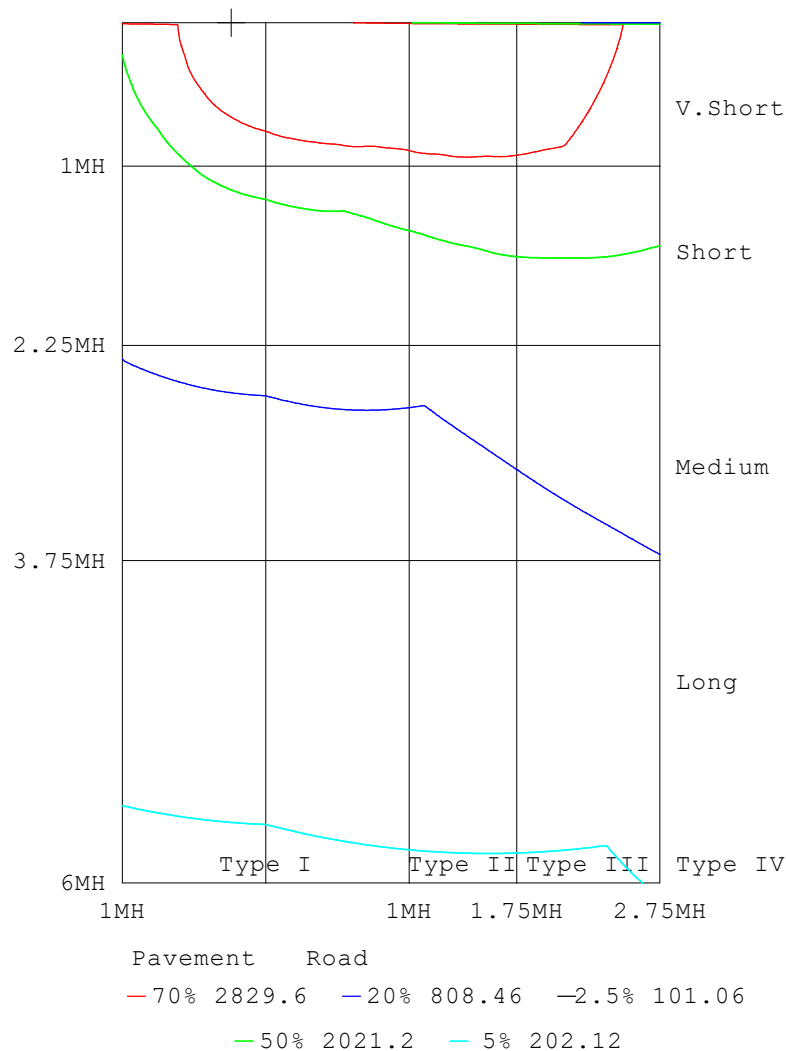
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.51V I:0.3038A P:82.773W PF:0.9888 Freq:60.00Hz Lamp Flux:11628.5x1 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:2025-07-18

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:275.51V I:0.3038A P:82.773W PF:0.9888 Freq:60.00Hz Lamp Flux:11628.5x1 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	3930	3930	3930	3930	3930	3930	3930	3930	3930	3930	3930	3930	3930	3930	3930	3930			
5	3900	3938	3966	3981	3996	3980	3976	3936	3909	3879	3859	3835	3841	3835	3865	3881			
10	3822	3897	3963	4003	4034	3999	3980	3895	3851	3802	3767	3725	3738	3715	3771	3780			
15	3707	3816	3918	3987	4037	3996	3950	3834	3768	3691	3642	3591	3589	3575	3631	3650			
20	3567	3702	3843	3962	4014	3978	3872	3738	3638	3536	3472	3405	3399	3390	3448	3500			
25	3389	3571	3754	3925	3993	3935	3776	3597	3470	3345	3263	3180	3160	3170	3234	3308			
30	3176	3390	3630	3863	3973	3873	3663	3419	3257	3119	3023	2919	2903	2901	2995	3085			
35	2925	3171	3481	3791	3942	3797	3521	3207	3028	2884	2766	2649	2634	2625	2730	2826			
40	2656	2924	3295	3695	3886	3710	3346	2979	2778	2618	2487	2369	2348	2343	2443	2555			
45	2377	2659	3081	3623	3845	3643	3132	2722	2499	2329	2174	2085	2058	2062	2122	2269			
50	2076	2369	2870	3537	3781	3550	2913	2434	2185	2029	1867	1810	1790	1789	1822	1970			
55	1758	2010	2650	3392	3656	3409	2700	2083	1870	1722	1582	1511	1390	1470	1540	1662			
60	1415	1643	2400	3179	3451	3202	2455	1721	1547	1422	1302	1115	1100	1088	1253	1350			
65	1074	1256	2098	2890	3106	2929	2162	1344	1213	1107	928	844	837	819	864	1038			
70	742	875	1739	2495	2617	2553	1806	965	883	801	646	607	581	583	593	733			
75	445	521	1321	1926	1896	2001	1404	601	570	514	412	352	308	326	368	430			
80	196	241	815	731	754	874	936	302	296	239	179	116	105	102	129	191			
85	30.9	51.2	124	122	121	219	285	94.3	86.3	63.9	16.0	9.36	9.48	9.22	8.63	29.5			
90	4.95	4.29	3.96	4.18	4.26	4.66	4.92	5.11	5.31	5.79	7.81	9.96	10.8	10.2	8.30	6.23			
95	6.74	5.84	5.26	4.69	4.50	4.52	5.06	5.66	5.87	7.63	10.2	12.8	13.8	13.0	10.7	8.23			
100	8.76	7.64	6.94	6.28	6.06	6.07	6.72	7.41	7.79	9.89	12.7	15.7	16.9	15.7	13.1	10.5			
105	11.0	9.65	8.84	8.07	7.86	7.82	8.60	9.41	9.95	12.4	15.3	18.3	19.8	18.3	15.7	12.9			
110	13.5	11.8	10.9	10.0	9.79	9.78	10.6	11.6	12.3	15.1	18.1	21.0	22.5	20.9	18.3	15.6			
115	16.1	14.2	13.1	12.2	11.9	11.9	12.8	14.0	14.9	17.9	21.0	23.9	25.2	23.7	21.1	18.4			
120	18.8	16.7	15.5	14.6	14.2	14.3	15.2	16.4	17.5	20.7	23.9	26.7	28.0	26.6	23.9	21.1			
125	21.5	19.3	17.9	17.0	16.7	16.6	17.7	18.9	20.2	23.4	26.7	29.2	30.5	29.0	26.4	23.6			
130	23.9	21.7	20.3	19.3	19.1	18.9	20.1	21.3	22.7	26.0	29.3	31.3	32.4	30.8	28.5	25.8			
135	26.1	23.9	22.6	21.6	21.3	21.1	22.2	23.6	25.1	28.1	31.3	33.1	33.7	32.3	30.2	27.8			
140	28.2	26.1	24.8	23.8	23.5	23.2	24.3	25.7	27.2	29.9	32.8	34.4	34.8	33.5	31.5	29.6			
145	29.9	28.1	26.8	25.8	25.5	25.1	26.3	27.6	29.1	31.5	34.1	35.5	35.9	34.5	32.9	31.1			
150	31.8	30.2	28.8	27.9	27.5	27.3	28.3	29.6	31.0	32.8	34.9	36.1	36.3	35.2	33.8	32.5			
155	33.4	31.9	30.6	29.7	29.4	29.1	30.1	31.3	32.7	34.1	35.7	36.6	36.8	35.8	34.7	33.7			
160	35.0	33.8	32.5	31.6	31.3	31.0	32.0	32.9	34.3	35.3	36.4	36.9	37.1	36.2	35.5	34.8			
165	36.6	35.5	34.3	33.5	33.1	32.8	33.8	34.7	36.0	36.4	37.2	37.2	37.3	36.6	36.2	36.0			
170	38.1	37.3	36.0	35.4	35.0	34.8	35.7	36.2	37.5	37.5	37.8	37.6	37.5	37.0	36.9	37.1			
175	39.0	38.4	37.2	36.8	36.5	36.3	37.1	37.1	38.8	38.6	38.5	38.1	38.0	37.5	37.6	37.9			
180	39.4	39.0	38.1	38.2	37.6	37.5	38.0	37.9	39.5	38.7	38.4	38.0	37.8	37.5	37.6	38.1			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

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: