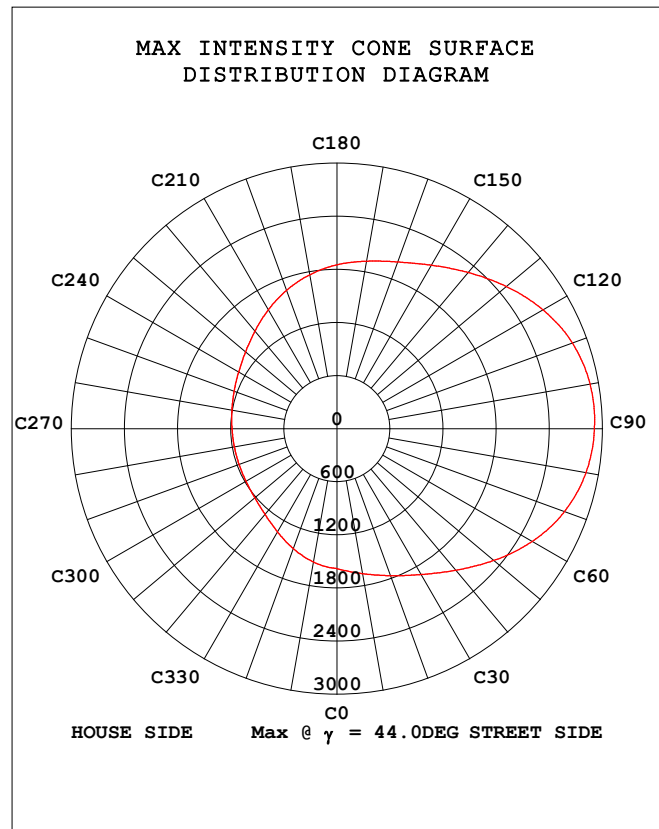
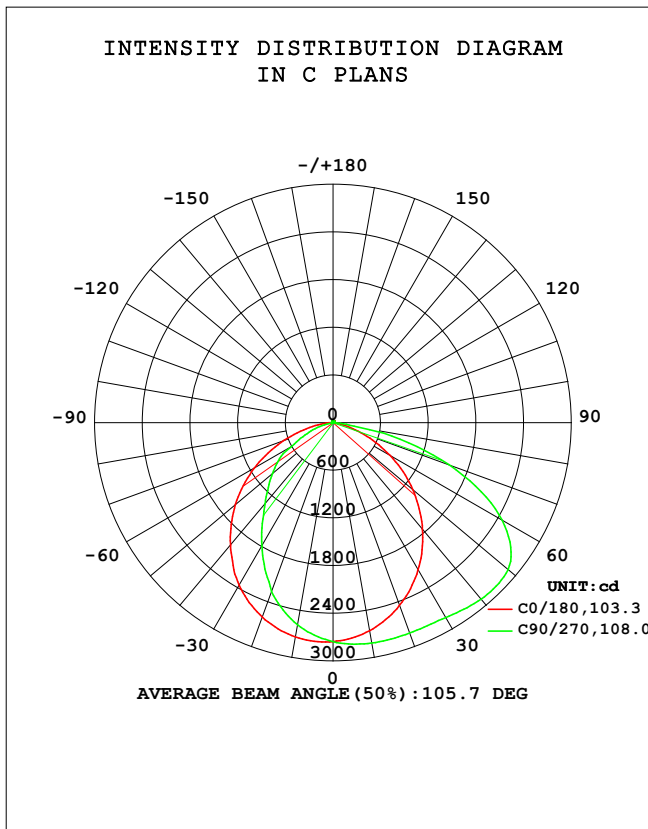


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.44V I:0.2206A P:60.166W PF:0.9901 Freq:60.00Hz Lamp Flux:7865.89x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.74 lm/W			
MODEL		Imax(cd)	2908	η street_up(%)	0.4
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	62.0
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	7866	η house_up(%)	0.7
NOMINAL FLUX(lm)	7865.89	MAXIMUM @ (C, γ)	90,44.0	η house_down(%)	36.9
LAMPS INSIDE	1	η up(%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	98.9	SLI	

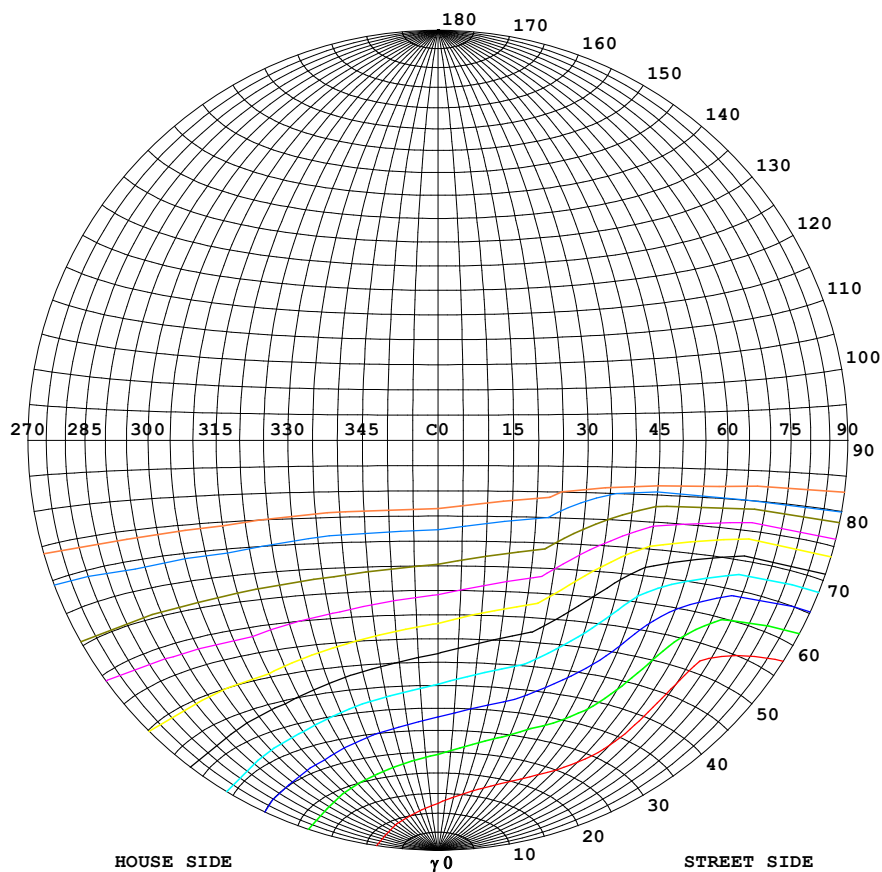


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.44V I:0.2206A P:60.166W PF:0.9901 Freq:60.00Hz Lamp Flux:7865.89x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

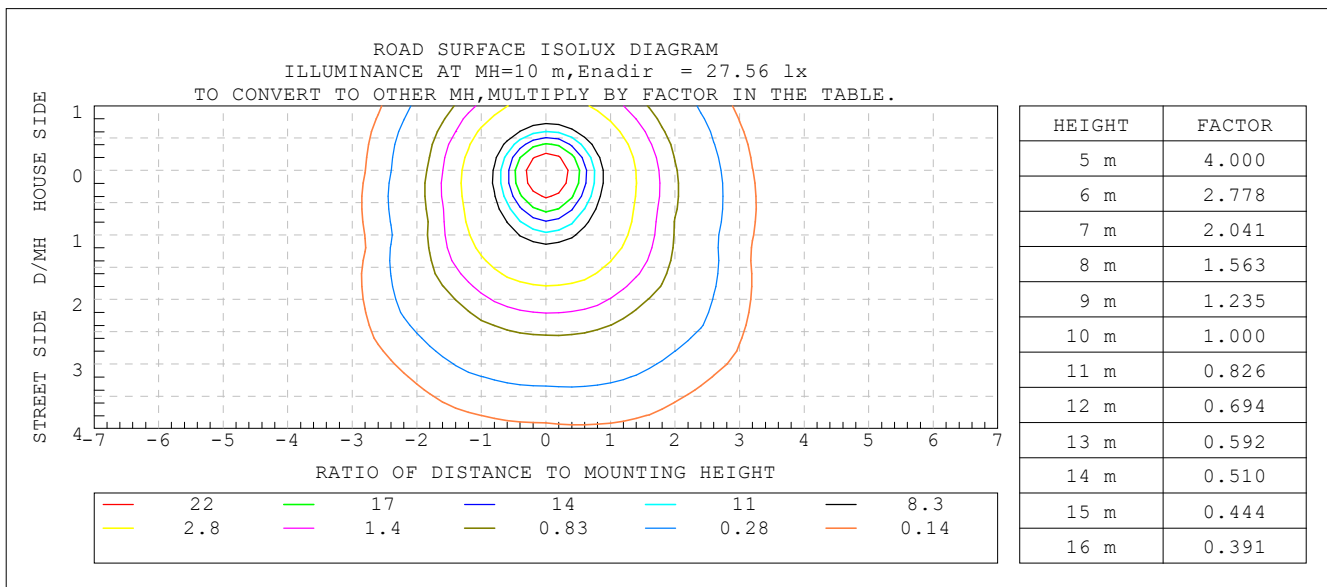
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:94.03cd/klm
Max.At90:0.9176cd/klm
Max.80-90:94.03cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2908
90%	2618
80%	2327
70%	2036
60%	1745
50%	1454
40%	1163
30%	873
20%	582
10%	291
5%	145

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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: 2025-08-13

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:275.44V I:0.2206A P:60.166W PF:0.9901 Freq:60.00Hz Lamp Flux:7865.89x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

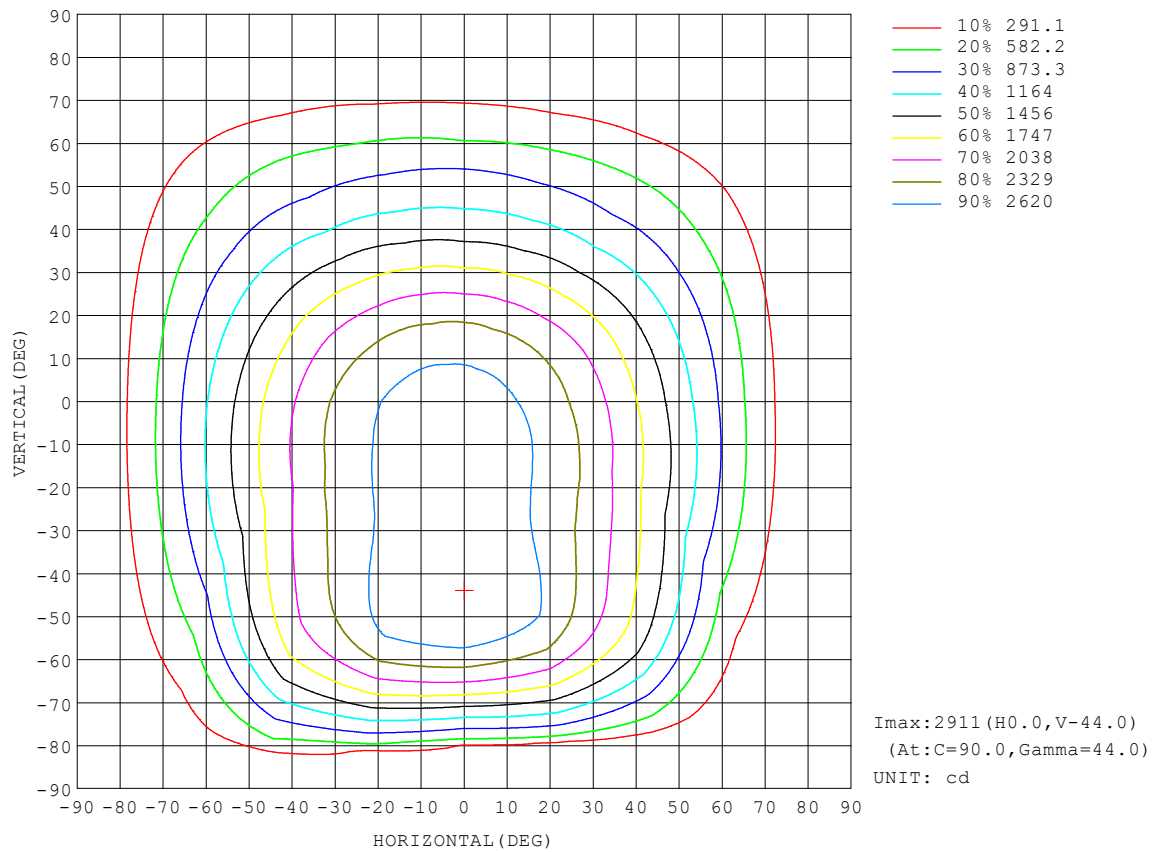
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2658	2753	2817	2800	2738	2644	2584	2595	0- 10	260.3	260.3	3.31,3.31
20	2448	2656	2818	2751	2605	2405	2264	2308	10- 20	741.1	1001	12.7,12.7
30	2142	2489	2836	2628	2364	2024	1795	1887	20- 30	1111	2112	26.8,26.8
40	1753	2284	2901	2470	2009	1577	1332	1422	30- 40	1331	3443	43.8,43.8
50	1313	2063	2878	2292	1603	1130	996.5	988.4	40- 50	1404	4846	61.6,61.6
60	828.7	1785	2456	2052	1148	763.5	608.2	637.1	50- 60	1325	6171	78.5,78.5
70	378.1	1202	1554	1558	656.5	401.7	270.0	265.6	60- 70	1017	7188	91.4,91.4
80	55.19	401.9	270.7	739.6	229.8	95.18	9.924	14.44	70- 80	521.1	7709	98,98
90	3.662	2.252	2.558	4.293	5.837	5.048	6.833	6.334	80- 90	70.04	7779	98.9,98.9
100	6.475	4.161	3.261	3.389	4.438	8.205	11.60	10.12	90-100	5.590	7784	99,99
110	9.935	6.751	5.510	5.791	7.407	11.96	16.17	14.13	100-110	8.515	7793	99.1,99.1
120	13.74	9.894	8.371	8.796	10.93	16.03	20.38	18.29	110-120	11.39	7804	99.2,99.2
130	17.37	13.36	11.80	12.25	14.69	19.91	23.71	21.66	120-130	13.53	7818	99.4,99.4
140	20.35	16.63	15.29	15.63	18.26	23.00	25.82	24.20	130-140	14.19	7832	99.6,99.6
150	22.77	19.74	18.68	18.92	21.33	25.02	27.20	25.99	140-150	13.27	7845	99.7,99.7
160	25.02	22.58	21.89	22.01	23.94	25.95	27.71	26.99	150-160	10.85	7856	99.9,99.9
170	27.02	25.18	24.76	25.11	26.35	26.67	27.53	27.42	160-170	7.159	7863	100,100
180	27.71	26.75	27.10	27.18	28.00	26.91	26.92	27.15	170-180	2.541	7866	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:2025-08-13

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

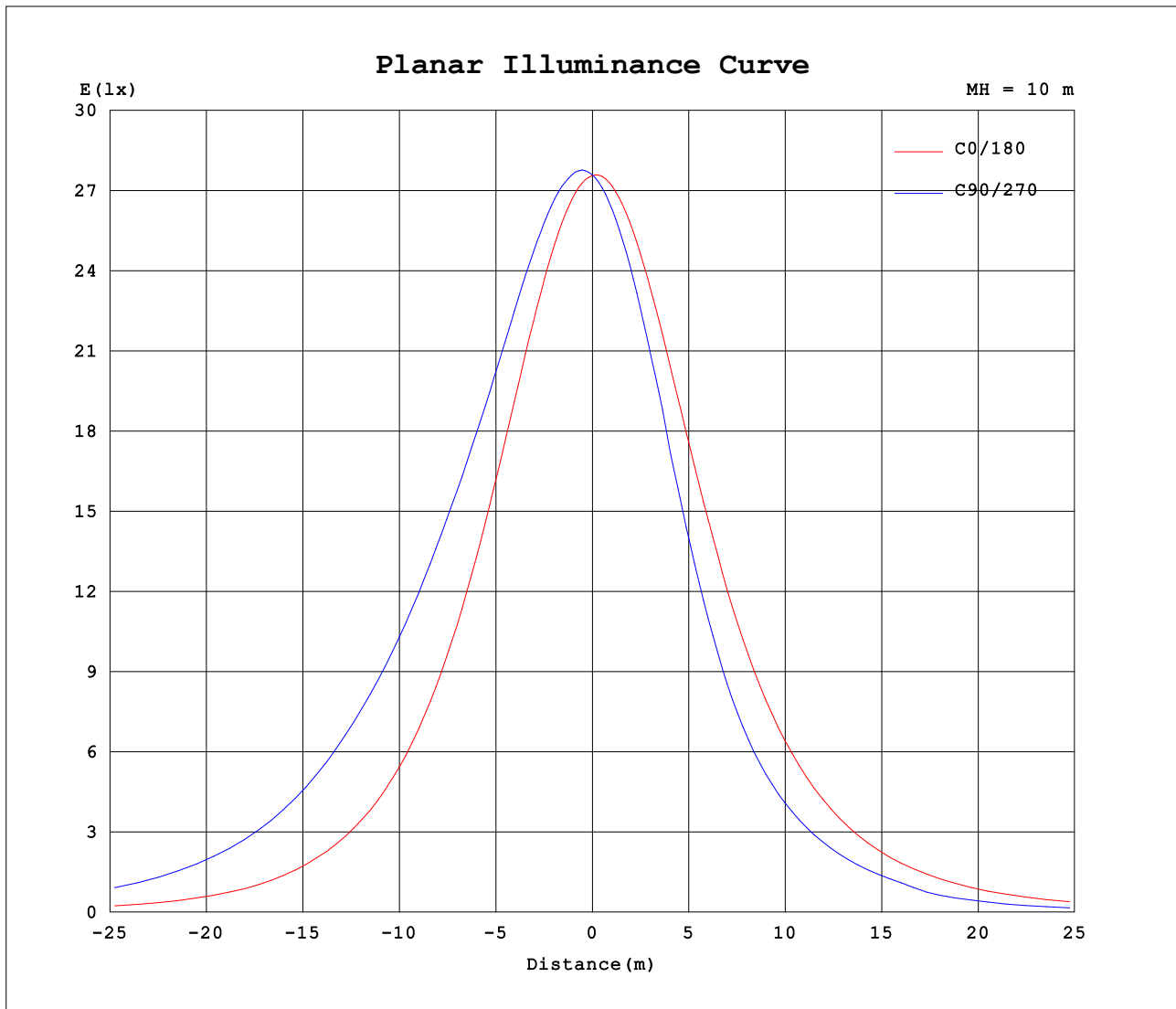
Test:U:275.44V I:0.2206A P:60.166W PF:0.9901 Freq:60.00Hz Lamp Flux:7865.89x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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



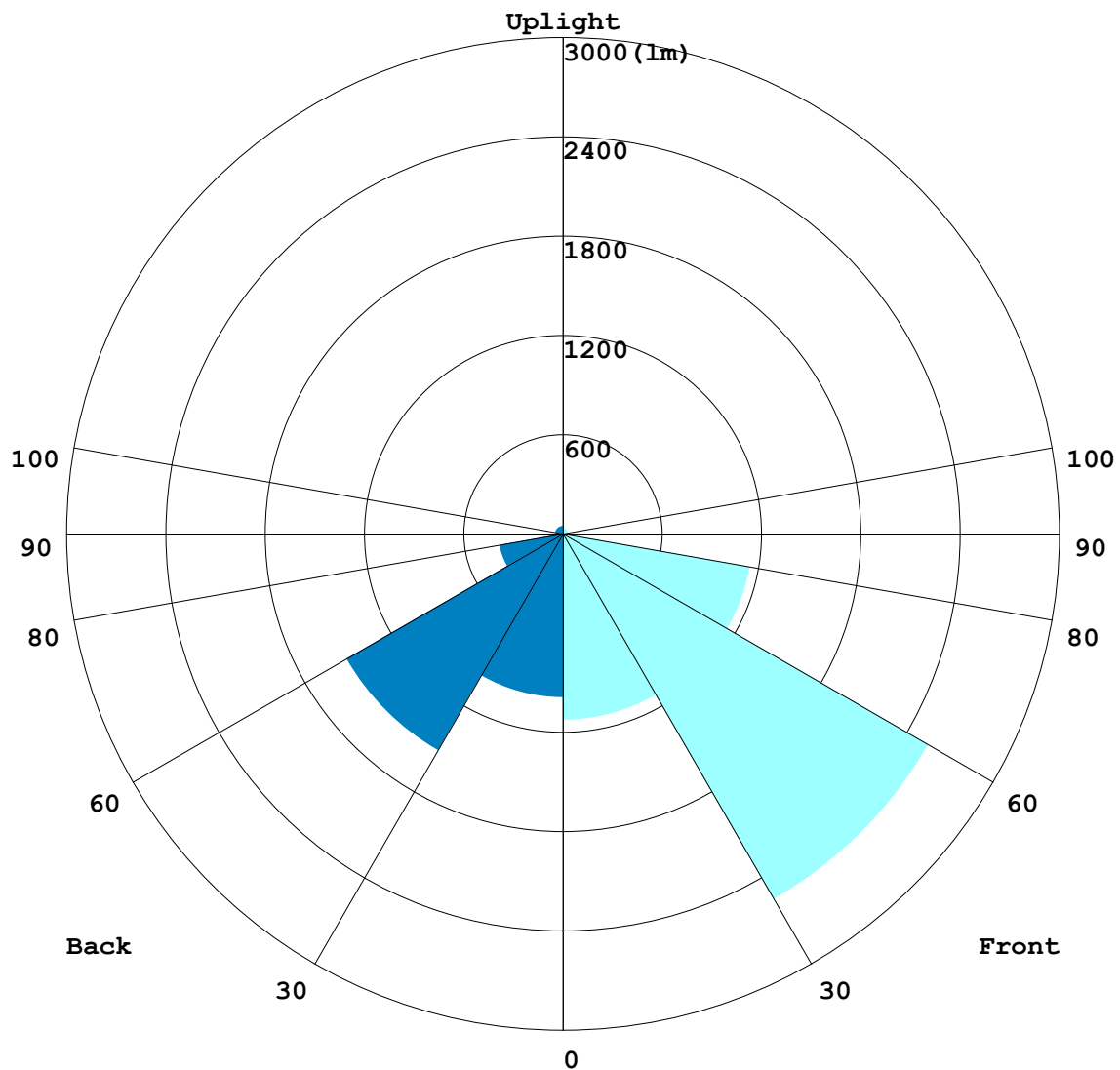
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.44V I:0.2206A P:60.166W PF:0.9901 Freq:60.00Hz Lamp Flux:7865.89x1 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:2025-08-13

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:275.44V I:0.2206A P:60.166W PF:0.9901 Freq:60.00Hz Lamp Flux:7865.89x1 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)	1123.9	14.3
FM - Front-Medium(30-60)	2548.6	32.4
FH - Front-High(60-80)	1147.3	14.6
FVH - Front-Very High(80-90)	55.891	0.7
Total Forward Light	4910.7	62.4

BL - Back-Low(0-30)	988.05	12.6
BM - Back-Medium(30-60)	1510.4	19.2
BH - Back-High(60-80)	390.49	5.0
BVH - Back-Very High(80-90)	14.15	0.2
Total Back Light	2955.2	37.6

UL - Uplight-Low(90-100)	5.5905	0.1
UH - Uplight-High(100-180)	81.435	1.0
Total Up Light	87.026	1.1

BUG (Back,Up,Glare) Rating	B2-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2903.1	52.146	2955.2
Street Side	4875.8	34.879	4910.7

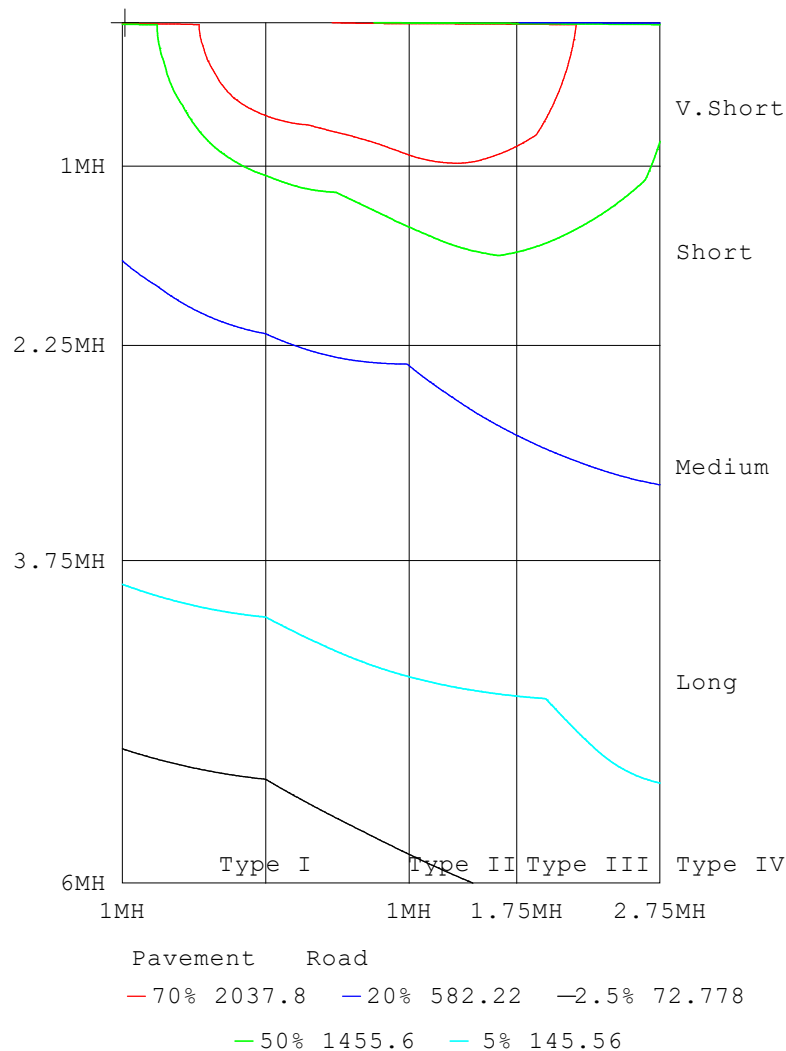
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.44V I:0.2206A P:60.166W PF:0.9901 Freq:60.00Hz Lamp Flux:7865.89x1 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:2025-08-13

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:275.44V I:0.2206A P:60.166W PF:0.9901 Freq:60.00Hz Lamp Flux:7865.89x1 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	2756	2756	2756	2756	2756	2756	2756	2756	2756	2756	2756	2756	2756	2756	2756	2756			
5	2722	2746	2768	2788	2798	2801	2793	2778	2762	2737	2715	2695	2685	2680	2691	2705			
10	2658	2709	2753	2795	2817	2820	2800	2772	2738	2687	2644	2603	2584	2577	2595	2625			
15	2566	2644	2715	2785	2820	2823	2785	2737	2685	2608	2542	2474	2442	2432	2467	2517			
20	2448	2555	2656	2762	2818	2814	2751	2674	2605	2503	2405	2306	2264	2256	2308	2380			
25	2306	2439	2579	2736	2819	2800	2695	2586	2498	2366	2230	2108	2031	2041	2101	2220			
30	2142	2305	2489	2713	2836	2788	2628	2477	2364	2206	2024	1881	1795	1808	1887	2031			
35	1956	2128	2390	2705	2869	2795	2550	2343	2193	2022	1806	1644	1552	1567	1656	1826			
40	1753	1954	2284	2705	2901	2803	2470	2174	2009	1815	1577	1409	1332	1336	1422	1600			
45	1538	1759	2176	2691	2908	2798	2384	1996	1815	1592	1349	1211	1155	1145	1191	1374			
50	1313	1546	2063	2649	2878	2767	2292	1807	1603	1368	1130	1039	996	972	988	1147			
55	1079	1311	1942	2541	2732	2679	2186	1594	1380	1144	939	870	844	806	809	923			
60	829	1052	1785	2309	2456	2464	2052	1354	1148	921	763	711	608	620	637	715			
65	594	782	1552	1958	2058	2127	1852	1099	900	711	593	469	420	403	467	517			
70	378	522	1202	1529	1554	1709	1558	827	656	512	402	304	270	252	266	339			
75	192	290	808	1023	986	1203	1165	564	429	331	225	163	113	105	127	178			
80	55.2	114	402	276	271	664	740	325	230	171	95.2	24.2	9.92	8.22	14.4	47.7			
85	4.08	6.14	10.1	12.6	52.3	112	149	131	75.2	42.2	7.63	5.47	5.62	5.93	5.43	4.55			
90	3.66	2.81	2.25	2.08	2.56	3.38	4.29	5.11	5.84	4.24	5.05	6.17	6.83	7.22	6.33	4.87			
95	4.97	3.84	3.11	2.61	2.38	2.31	2.46	2.82	3.24	4.60	6.39	8.22	9.15	9.43	8.21	6.43			
100	6.48	5.05	4.16	3.53	3.26	3.16	3.39	3.84	4.44	6.12	8.20	10.4	11.6	11.7	10.1	8.15			
105	8.15	6.44	5.38	4.60	4.32	4.19	4.50	5.06	5.85	7.79	10.0	12.5	14.0	13.9	12.1	9.99			
110	9.94	7.99	6.75	5.84	5.51	5.38	5.79	6.44	7.41	9.61	12.0	14.6	16.2	16.0	14.1	12.0			
115	11.8	9.66	8.24	7.23	6.85	6.73	7.21	7.98	9.11	11.5	14.0	16.7	18.3	18.1	16.2	14.0			
120	13.7	11.4	9.89	8.76	8.37	8.24	8.80	9.64	10.9	13.5	16.0	18.8	20.4	20.3	18.3	16.0			
125	15.6	13.2	11.6	10.4	10.1	9.89	10.5	11.4	12.8	15.5	18.0	20.7	22.3	22.1	20.1	17.8			
130	17.4	15.0	13.4	12.2	11.8	11.6	12.2	13.2	14.7	17.4	19.9	22.2	23.7	23.6	21.7	19.3			
135	18.9	16.6	15.0	13.9	13.6	13.3	13.9	14.8	16.5	19.1	21.5	23.6	24.8	24.8	23.0	20.7			
140	20.3	18.2	16.6	15.6	15.3	15.1	15.6	16.5	18.3	20.6	23.0	24.8	25.8	25.8	24.2	22.1			
145	21.6	19.7	18.2	17.2	17.0	16.8	17.3	18.1	19.8	21.8	24.1	25.8	26.5	26.5	25.1	23.3			
150	22.8	21.1	19.7	18.8	18.7	18.5	18.9	19.7	21.3	22.9	25.0	26.6	27.2	27.1	26.0	24.4			
155	23.9	22.5	21.2	20.4	20.3	20.1	20.5	21.2	22.7	23.9	25.6	27.0	27.6	27.6	26.7	25.3			
160	25.0	23.8	22.6	21.9	21.9	21.6	22.0	22.7	23.9	24.6	25.9	27.2	27.7	27.8	27.0	25.8			
165	26.1	25.1	23.9	23.3	23.4	23.2	23.6	24.2	25.1	25.4	26.3	27.2	27.6	27.8	27.2	26.4			
170	27.0	26.3	25.2	24.7	24.8	24.7	25.1	25.5	26.4	26.1	26.7	27.2	27.5	27.8	27.4	26.9			
175	27.6	27.1	26.1	25.8	26.0	26.0	26.3	26.5	27.4	26.7	26.9	27.2	27.2	27.5	27.4	27.2			
180	27.7	27.4	26.8	26.7	27.1	27.1	27.2	27.2	28.0	27.0	26.9	27.0	26.9	27.3	27.1	27.0			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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: