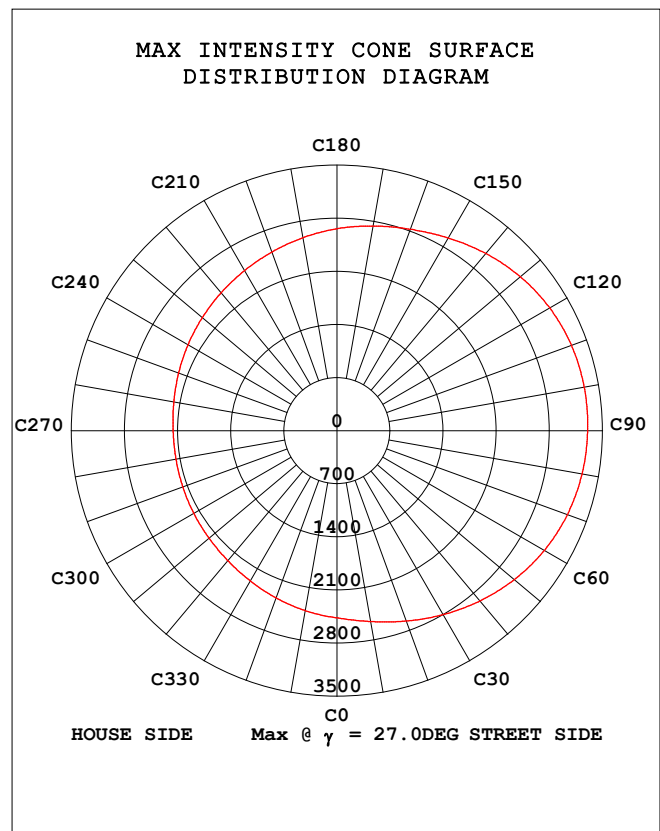
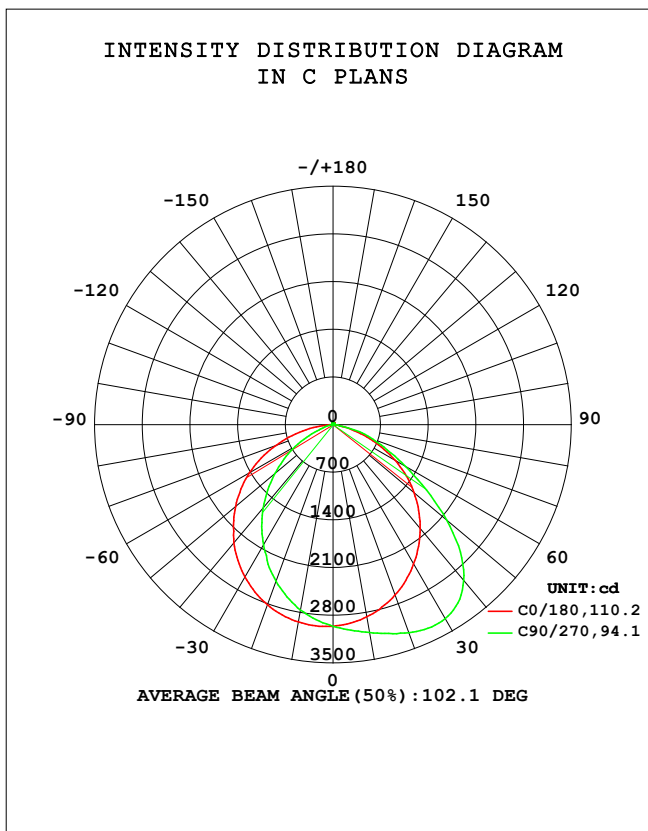


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.39V I:0.2205A P:60.121W PF:0.9901 Freq:60.00Hz Lamp Flux:8198.44x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.37 lm/W			
MODEL		Imax(cd)	3304	η street_up(%)	0.5
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	59.0
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	8198	η house_up(%)	0.6
NOMINAL FLUX(lm)	8198.44	MAXIMUM @ (C, γ)	90,27.0	η house_down(%)	39.9
LAMPS INSIDE	1	η up(%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	98.9	SLI	

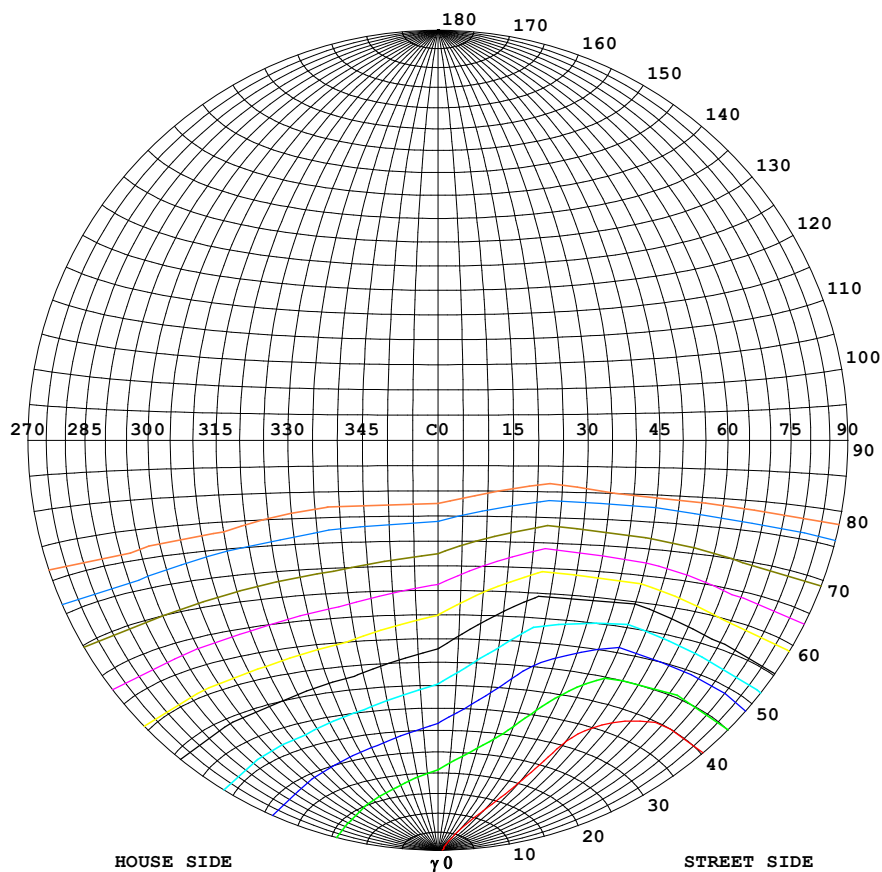


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.39V I:0.2205A P:60.121W PF:0.9901 Freq:60.00Hz Lamp Flux:8198.44x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

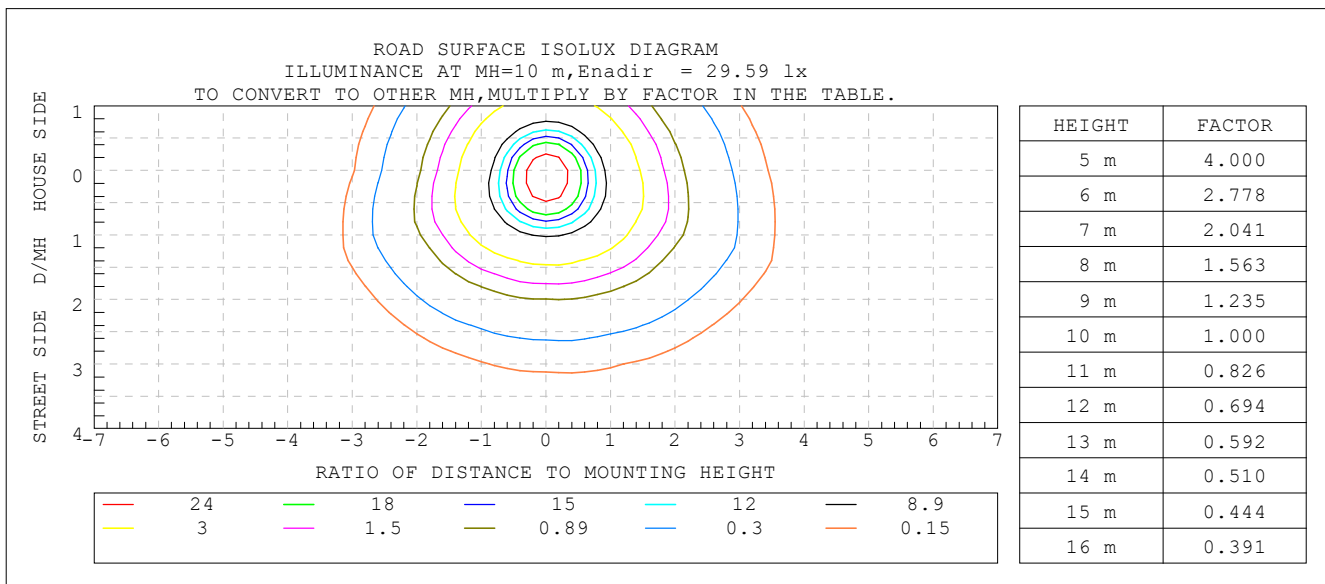
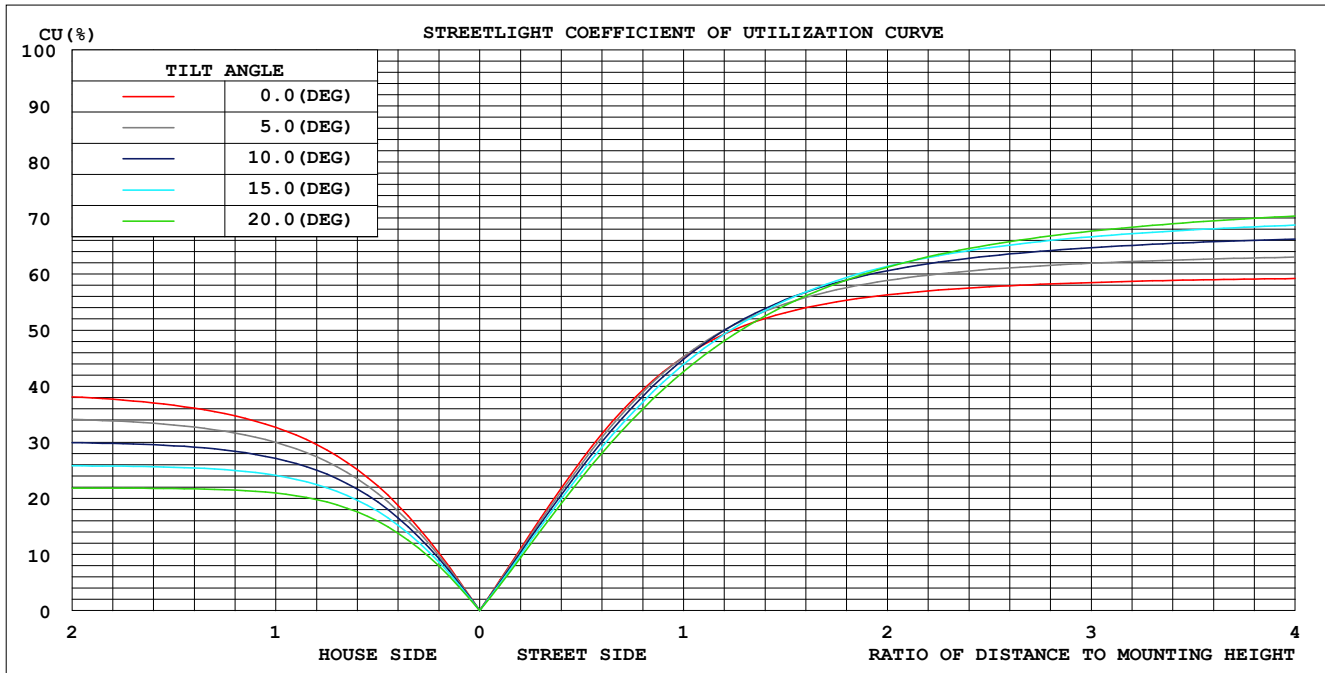
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:65.17cd/klm
Max.At90:0.7896cd/klm
Max.80-90:65.17cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3304
90%	2973
80%	2643
70%	2313
60%	1982
50%	1652
40%	1321
30%	991
20%	661
10%	330
5%	165

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:275.39V I:0.2205A P:60.121W PF:0.9901 Freq:60.00Hz Lamp Flux:8198.44x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

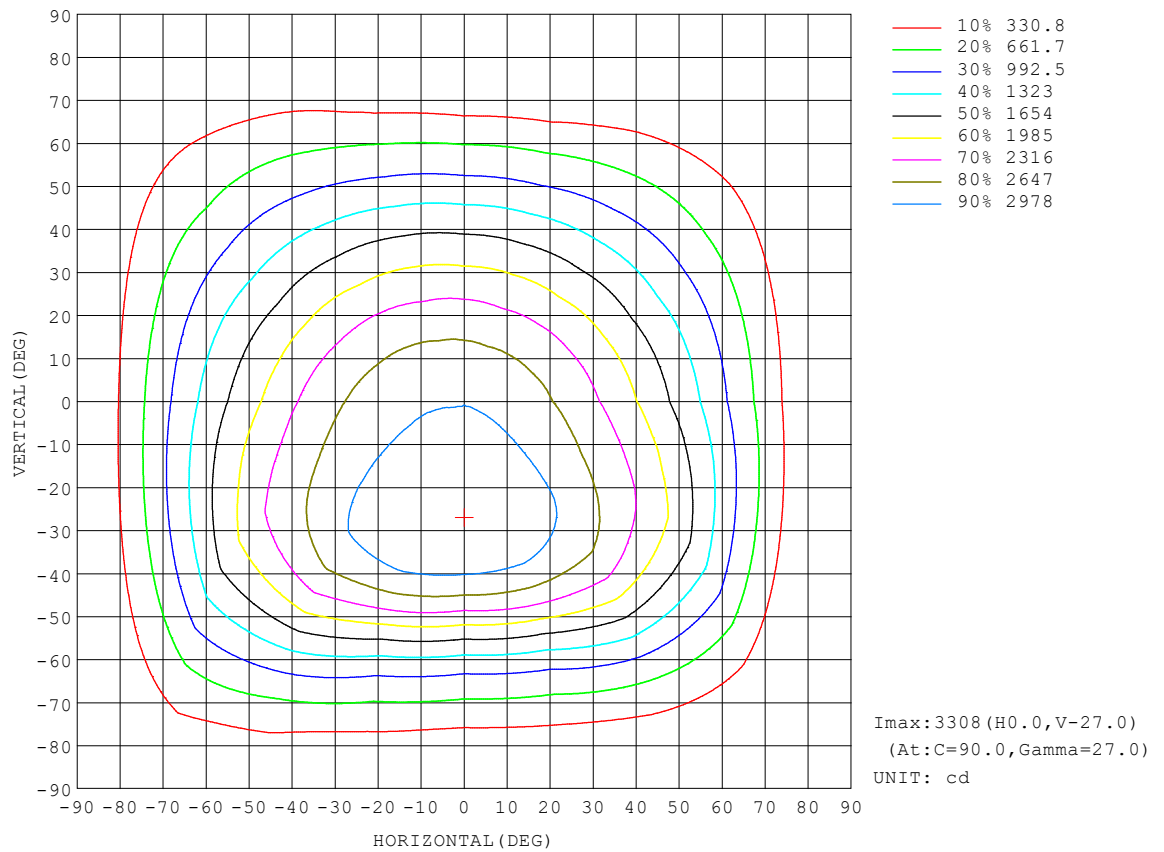
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2866	3007	3099	3055	2943	2829	2762	2783	0- 10	280.5	280.5	3.42,3.42
20	2663	3011	3250	3098	2816	2582	2450	2491	10- 20	809.4	1090	13.3,13.3
30	2366	2975	3290	3100	2586	2230	2043	2087	20- 30	1246	2336	28.5,28.5
40	1993	2808	2986	2975	2269	1805	1596	1654	30- 40	1526	3862	47.1,47.1
50	1556	2372	2182	2582	1869	1352	1112	1189	40- 50	1571	5433	66.3,66.3
60	1058	1612	1232	1852	1417	898.0	644.0	742.6	50- 60	1331	6763	82.5,82.5
70	527.4	789.9	621.4	1015	894.6	480.2	201.2	312.5	60- 70	886.2	7650	93.3,93.3
80	76.57	113.3	108.8	371.5	349.3	90.65	10.89	23.37	70- 80	401.4	8051	98.2,98.2
90	4.719	2.524	2.124	3.617	6.473	4.186	3.339	5.123	80- 90	55.08	8106	98.9,98.9
100	8.058	4.768	3.407	3.868	5.694	7.381	6.830	9.098	90-100	5.115	8111	98.9,98.9
110	11.98	7.728	6.072	6.618	9.163	11.54	11.59	13.63	100-110	8.340	8119	99,99
120	16.26	11.28	9.394	9.978	13.20	16.09	16.97	18.40	110-120	11.72	8131	99.2,99.2
130	20.25	15.14	13.18	13.78	17.35	20.33	21.92	22.71	120-130	14.35	8146	99.4,99.4
140	23.42	18.75	16.97	17.48	21.18	24.03	25.97	26.46	130-140	15.40	8161	99.5,99.5
150	25.88	22.16	20.58	21.19	24.36	26.90	28.51	28.81	140-150	14.60	8176	99.7,99.7
160	28.16	25.47	24.26	24.75	26.98	28.99	29.86	30.07	150-160	12.03	8188	99.9,99.9
170	30.23	28.56	27.81	28.30	29.36	30.34	30.77	30.77	160-170	8.018	8196	100,100
180	30.96	30.46	30.60	30.65	30.99	30.56	30.32	30.56	170-180	2.862	8198	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

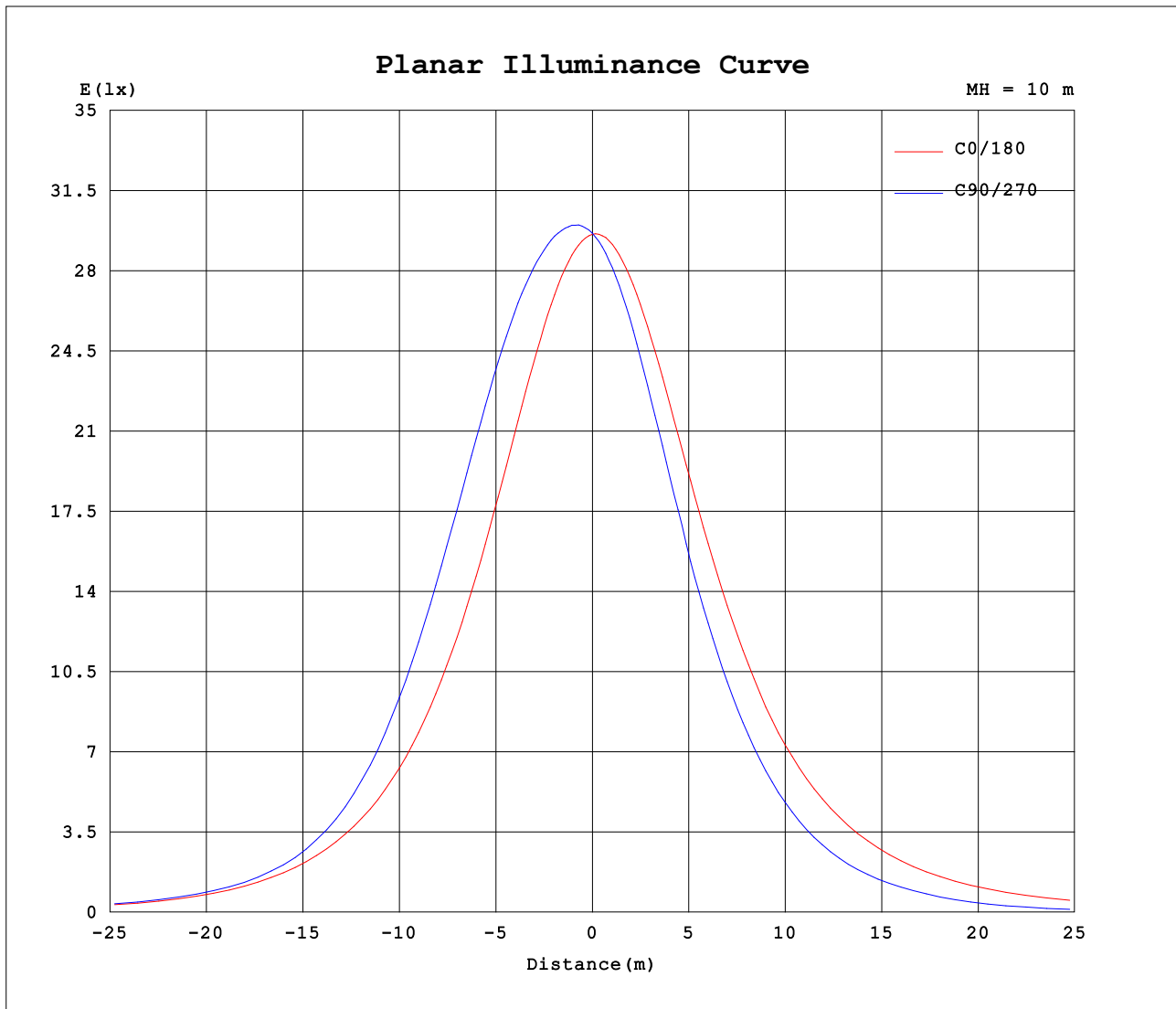
Test:U:275.39V I:0.2205A P:60.121W PF:0.9901 Freq:60.00Hz Lamp Flux:8198.44x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



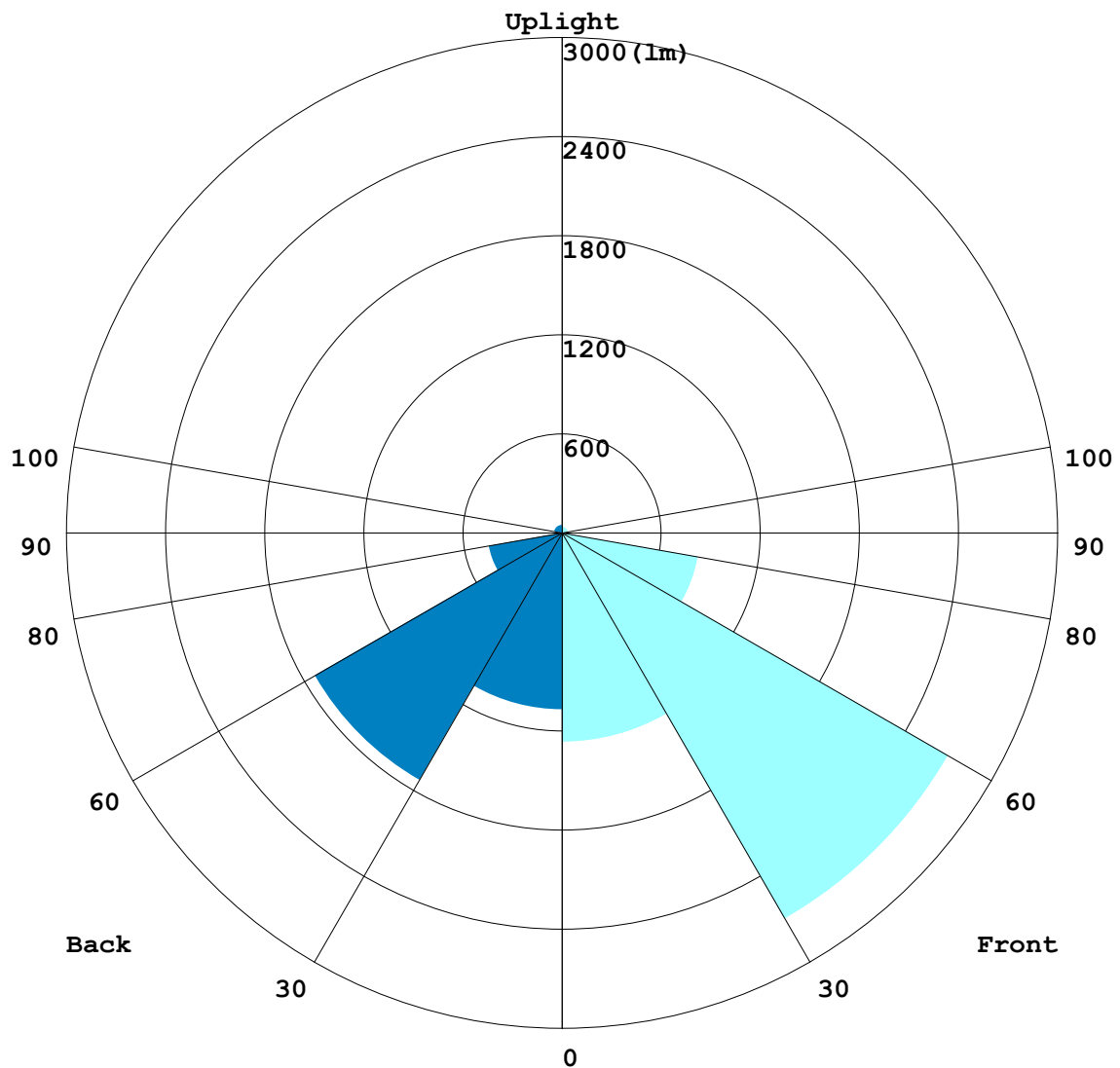
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.39V I:0.2205A P:60.121W PF:0.9901 Freq:60.00Hz Lamp Flux:8198.44x1 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:275.39V I:0.2205A P:60.121W PF:0.9901 Freq:60.00Hz Lamp Flux:8198.44x1 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)	1265.3	15.4
FM - Front-Medium(30-60)	2698.6	32.9
FH - Front-High(60-80)	836.6	10.2
FVH - Front-Very High(80-90)	36.416	0.4
Total Forward Light	4876.5	59.5

BL - Back-Low(0-30)	1070.4	13.1
BM - Back-Medium(30-60)	1729	21.1
BH - Back-High(60-80)	450.97	5.5
BVH - Back-Very High(80-90)	18.661	0.2
Total Back Light	3321.9	40.5

UL - Uplight-Low(90-100)	5.1145	0.1
UH - Uplight-High(100-180)	87.323	1.1
Total Up Light	92.438	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3269.1	52.835	3321.9
Street Side	4836.9	39.603	4876.5

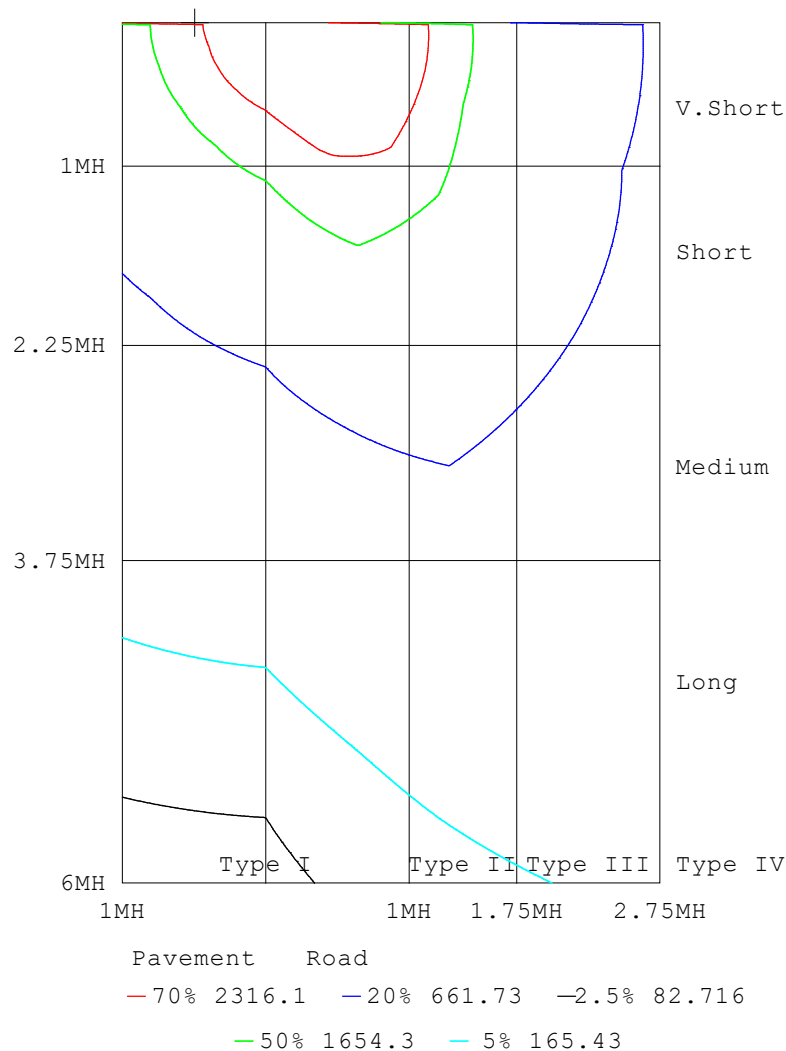
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.39V I:0.2205A P:60.121W PF:0.9901 Freq:60.00Hz Lamp Flux:8198.44x1 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:275.39V I:0.2205A P:60.121W PF:0.9901 Freq:60.00Hz Lamp Flux:8198.44x1 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	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960			
5	2927	2960	2991	3017	3029	3031	3016	2988	2966	2934	2907	2884	2873	2873	2885	2902			
10	2866	2937	3007	3068	3099	3092	3055	2993	2943	2881	2829	2784	2762	2763	2783	2818			
15	2777	2890	3012	3121	3176	3157	3080	2975	2893	2799	2721	2650	2618	2609	2650	2707			
20	2663	2824	3011	3174	3250	3219	3098	2937	2816	2690	2582	2489	2450	2443	2491	2568			
25	2526	2737	3000	3212	3300	3270	3108	2879	2714	2552	2419	2310	2264	2245	2306	2401			
30	2366	2642	2975	3206	3290	3276	3100	2804	2586	2390	2230	2112	2043	2045	2087	2214			
35	2188	2530	2918	3130	3196	3211	3062	2719	2436	2205	2016	1906	1828	1830	1875	2008			
40	1993	2411	2808	2964	2986	3057	2975	2621	2269	2000	1805	1681	1596	1596	1654	1782			
45	1780	2277	2629	2674	2644	2784	2822	2505	2068	1781	1584	1446	1357	1359	1420	1556			
50	1556	2100	2372	2258	2182	2390	2582	2368	1869	1552	1352	1204	1112	1115	1189	1321			
55	1318	1888	2027	1765	1678	1890	2257	2171	1653	1323	1124	960	875	870	960	1093			
60	1058	1609	1612	1303	1232	1417	1852	1937	1417	1092	898	732	644	649	743	859			
65	785	1270	1184	931	879	1027	1418	1637	1161	851	683	495	388	399	539	635			
70	527	907	790	640	621	722	1015	1281	895	624	480	257	201	195	313	425			
75	279	547	471	408	405	485	657	903	622	414	253	130	97.8	88.5	119	237			
80	76.6	240	113	99.9	109	159	371	534	349	227	90.7	29.4	10.9	7.87	23.4	70.6			
85	5.13	5.62	7.05	8.00	10.0	19.6	63.6	224	111	57.8	8.00	3.26	2.86	3.31	4.29	5.12			
90	4.72	3.38	2.52	2.04	2.12	2.66	3.62	4.78	6.47	4.95	4.19	3.48	3.34	4.07	5.12	5.44			
95	6.30	4.63	3.54	2.76	2.39	2.41	2.80	3.40	4.23	5.30	5.51	5.08	4.88	5.83	7.00	7.19			
100	8.06	6.08	4.77	3.83	3.41	3.40	3.87	4.64	5.69	6.99	7.38	7.01	6.83	7.91	9.10	9.09			
105	9.96	7.70	6.18	5.11	4.64	4.61	5.16	6.08	7.36	8.80	9.42	9.19	9.11	10.2	11.3	11.1			
110	12.0	9.49	7.73	6.57	6.07	6.02	6.62	7.69	9.16	10.8	11.5	11.6	11.6	12.8	13.6	13.2			
115	14.1	11.4	9.44	8.17	7.65	7.57	8.21	9.45	11.1	12.8	13.8	14.1	14.3	15.4	16.0	15.5			
120	16.3	13.4	11.3	9.91	9.39	9.28	9.98	11.3	13.2	15.0	16.1	16.6	17.0	18.1	18.4	17.7			
125	18.3	15.4	13.2	11.8	11.3	11.1	11.9	13.3	15.3	17.2	18.3	19.1	19.6	20.6	20.7	19.9			
130	20.2	17.3	15.1	13.7	13.2	13.0	13.8	15.2	17.3	19.3	20.3	21.3	21.9	22.8	22.7	21.8			
135	21.9	19.1	17.0	15.6	15.1	14.9	15.6	17.1	19.3	21.2	22.2	23.3	24.0	24.9	24.6	23.5			
140	23.4	20.8	18.8	17.4	17.0	16.8	17.5	18.9	21.2	23.0	24.0	25.1	26.0	26.8	26.5	25.1			
145	24.7	22.4	20.5	19.2	18.8	18.6	19.3	20.6	22.8	24.5	25.5	26.5	27.4	28.2	27.7	26.4			
150	25.9	23.9	22.2	20.9	20.6	20.4	21.2	22.3	24.4	26.0	26.9	27.7	28.5	29.2	28.8	27.6			
155	27.0	25.4	23.8	22.7	22.4	22.3	23.0	23.9	25.8	27.2	28.1	28.7	29.3	29.9	29.6	28.6			
160	28.2	26.8	25.5	24.5	24.3	24.2	24.7	25.5	27.0	28.1	29.0	29.5	29.9	30.4	30.1	29.2			
165	29.2	28.2	27.1	26.2	26.1	26.1	26.5	27.1	28.1	28.9	29.7	30.1	30.3	30.7	30.4	29.8			
170	30.2	29.5	28.6	27.9	27.8	27.9	28.3	28.5	29.4	29.8	30.3	30.6	30.8	31.1	30.8	30.4			
175	30.9	30.4	29.7	29.2	29.3	29.4	29.6	29.7	30.4	30.3	30.6	30.7	30.6	31.1	30.8	30.6			
180	31.0	30.7	30.5	30.4	30.6	30.6	30.7	30.5	31.0	30.6	30.6	30.4	30.3	30.8	30.6	30.6			

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: