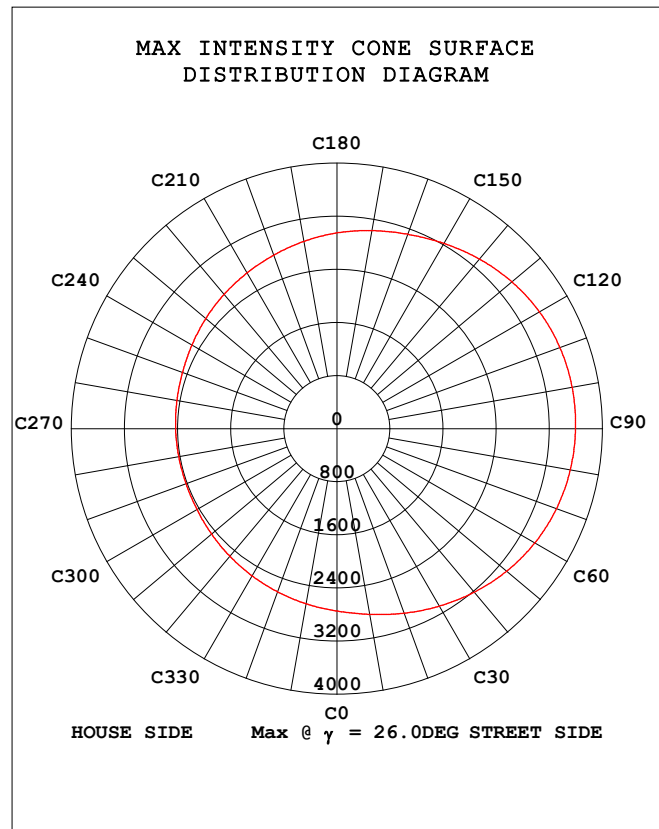
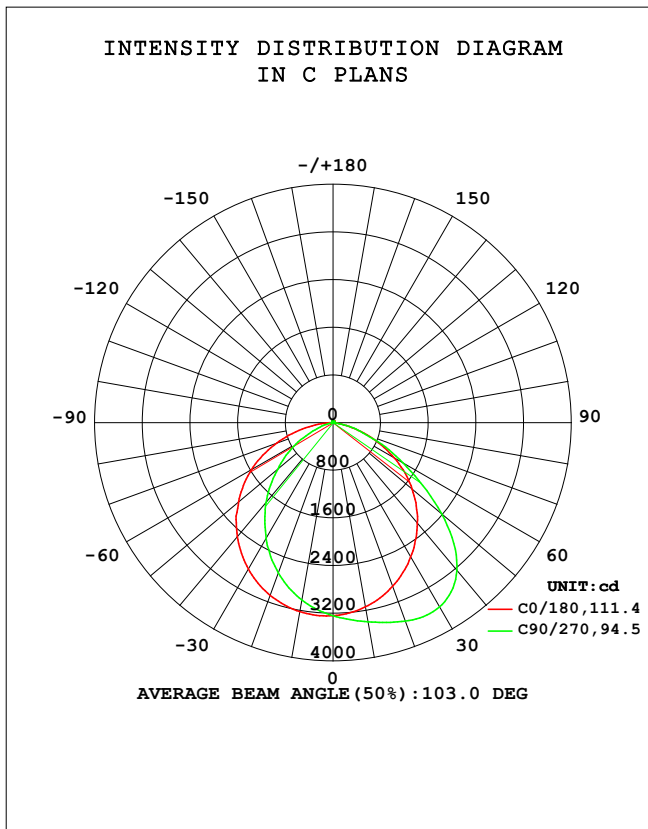


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.42V I:0.2128A P:57.968W PF:0.9893 Freq:60.00Hz Lamp Flux:9001.29x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.28 lm/W			
MODEL		I _{max} (cd)	3593	η street_up (%)	0.5
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	58.6
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	9001	η house_up (%)	0.6
NOMINAL FLUX (lm)	9001.29	MAXIMUM @ (C, γ)	90,26.0	η house_down (%)	40.3
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

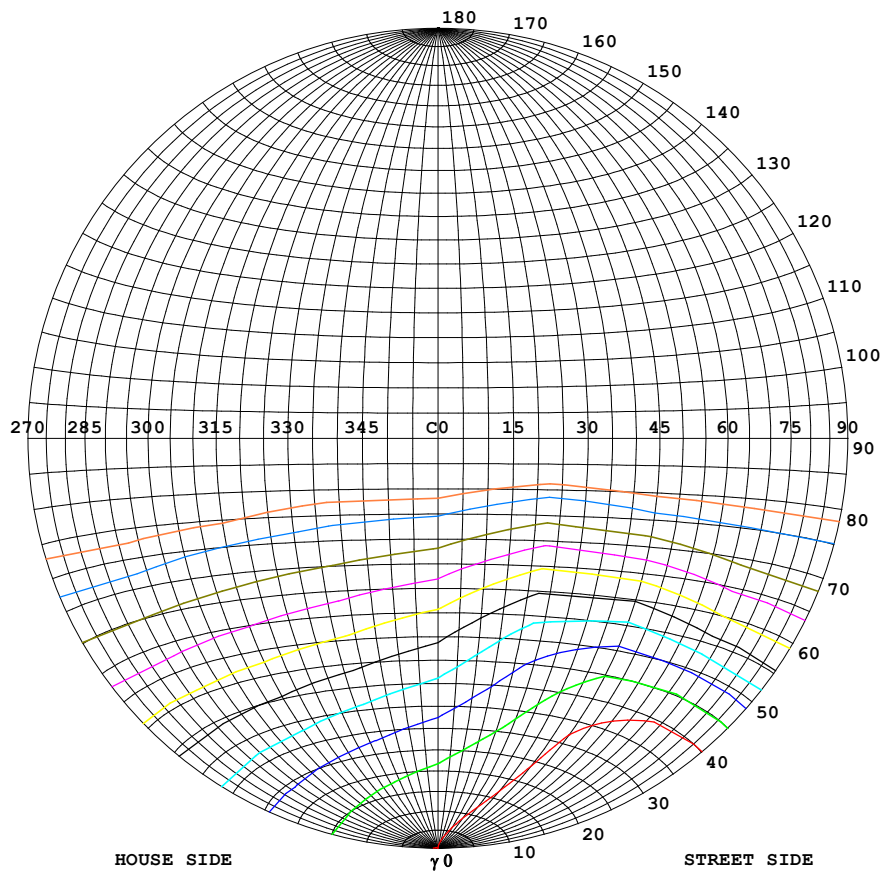


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.42V I:0.2128A P:57.968W PF:0.9893 Freq:60.00Hz Lamp Flux:9001.29x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

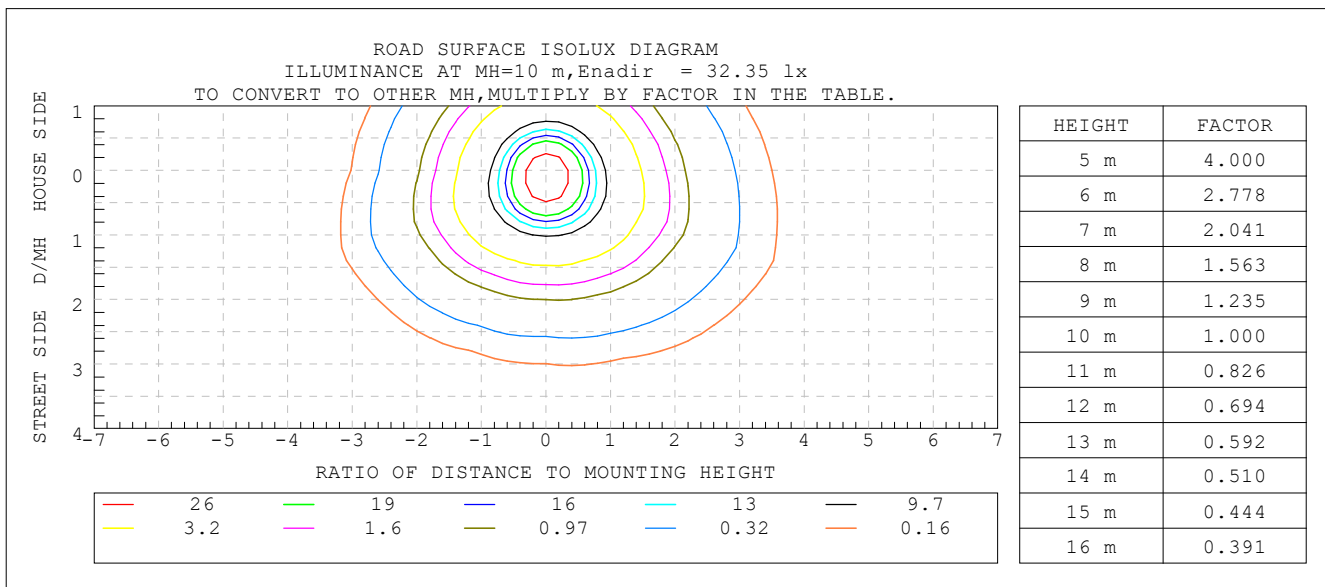
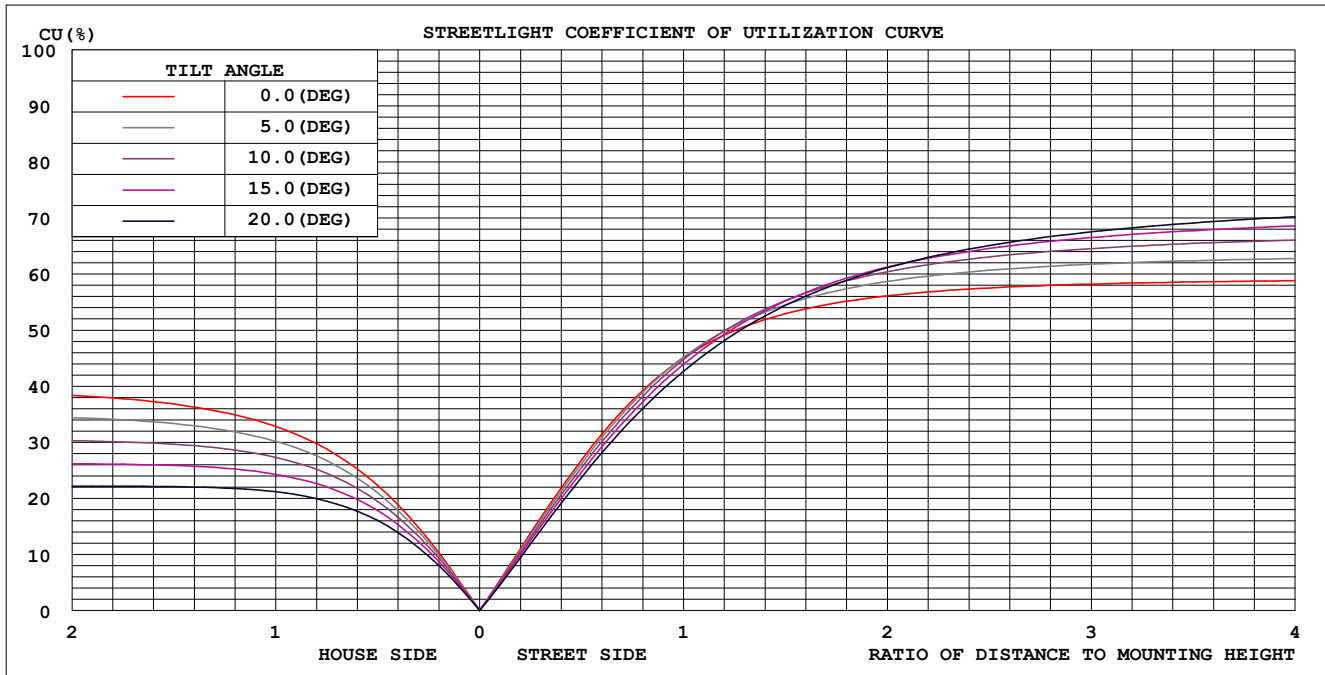
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:65.85cd/klm
Max.At90:0.7761cd/klm
Max.80-90:65.85cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3593
90%	3234
80%	2875
70%	2515
60%	2156
50%	1797
40%	1437
30%	1078
20%	719
10%	359
5%	180

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:275.42V I:0.2128A P:57.968W PF:0.9893 Freq:60.00Hz Lamp Flux:9001.29x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

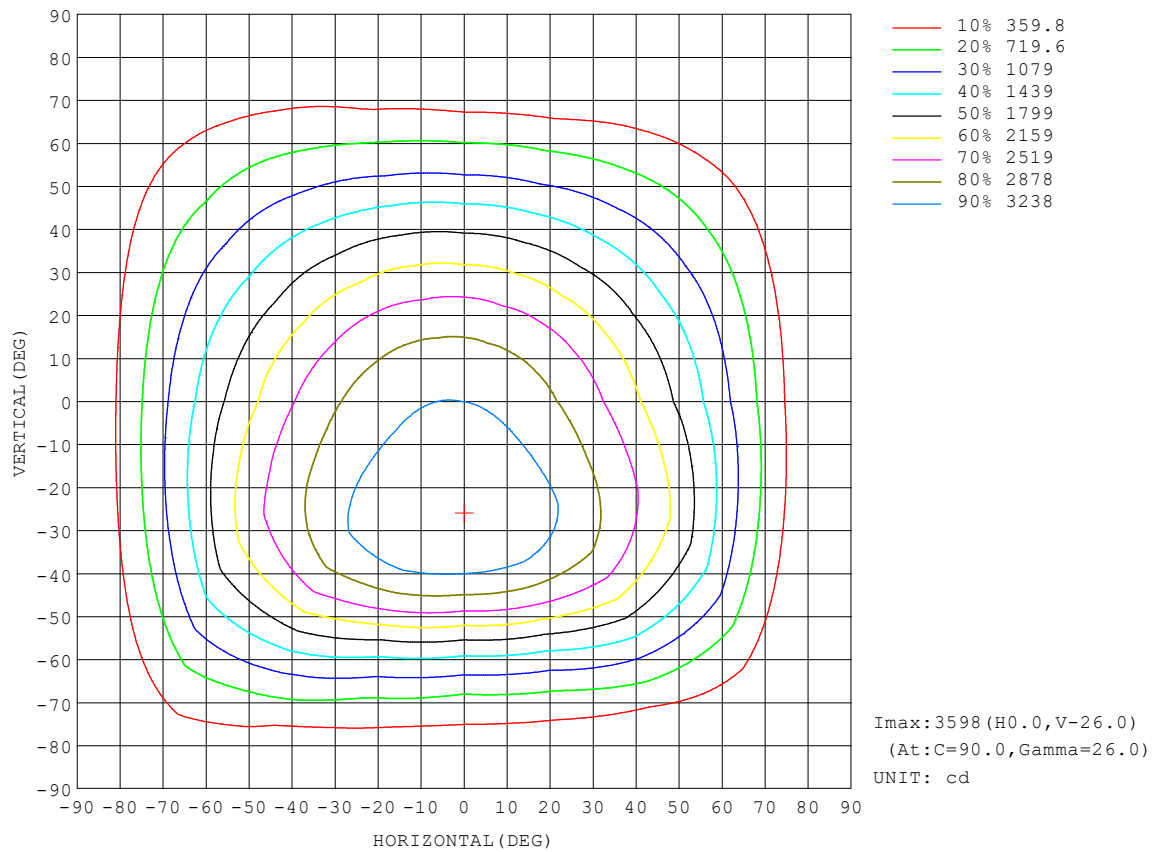
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3139	3293	3393	3343	3221	3095	3023	3046	0- 10	307.0	307.0	3.41,3.41
20	2924	3297	3546	3388	3086	2831	2685	2731	10- 20	886.3	1193	13.3,13.3
30	2607	3251	3573	3383	2841	2453	2250	2314	20- 30	1365	2558	28.4,28.4
40	2205	3058	3236	3230	2498	1982	1749	1821	30- 40	1670	4228	47,47
50	1738	2576	2380	2797	2069	1495	1212	1322	40- 50	1721	5948	66.1,66.1
60	1193	1766	1362	2018	1583	994.8	723.7	825.0	50- 60	1466	7415	82.4,82.4
70	610.4	872.7	585.4	1110	1009	546.2	260.3	365.9	60- 70	985.7	8400	93.3,93.3
80	100.3	140.3	113.7	335.3	413.6	123.7	24.16	37.13	70- 80	438.3	8839	98.2,98.2
90	5.243	2.847	2.304	3.761	6.986	4.671	3.557	5.558	80- 90	61.67	8900	98.9,98.9
100	8.891	5.288	3.815	4.344	6.317	8.067	7.429	9.915	90-100	5.629	8906	98.9,98.9
110	13.15	8.540	6.711	7.329	10.14	12.62	12.64	14.87	100-110	9.163	8915	99,99
120	17.81	12.37	10.31	11.03	14.54	17.52	18.50	20.06	110-120	12.84	8928	99.2,99.2
130	22.14	16.54	14.41	15.13	19.04	22.17	23.92	24.83	120-130	15.70	8944	99.4,99.4
140	25.56	20.45	18.54	19.15	23.16	26.19	28.30	28.88	130-140	16.83	8960	99.5,99.5
150	28.22	24.15	22.48	23.13	26.60	29.34	31.14	31.45	140-150	15.95	8976	99.7,99.7
160	30.67	27.74	26.53	27.01	29.42	31.55	32.62	32.80	150-160	13.13	8989	99.9,99.9
170	32.93	31.08	30.38	30.91	32.01	33.01	33.60	33.57	160-170	8.745	8998	100,100
180	33.76	33.17	33.41	33.45	33.76	33.27	33.11	33.34	170-180	3.121	9001	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

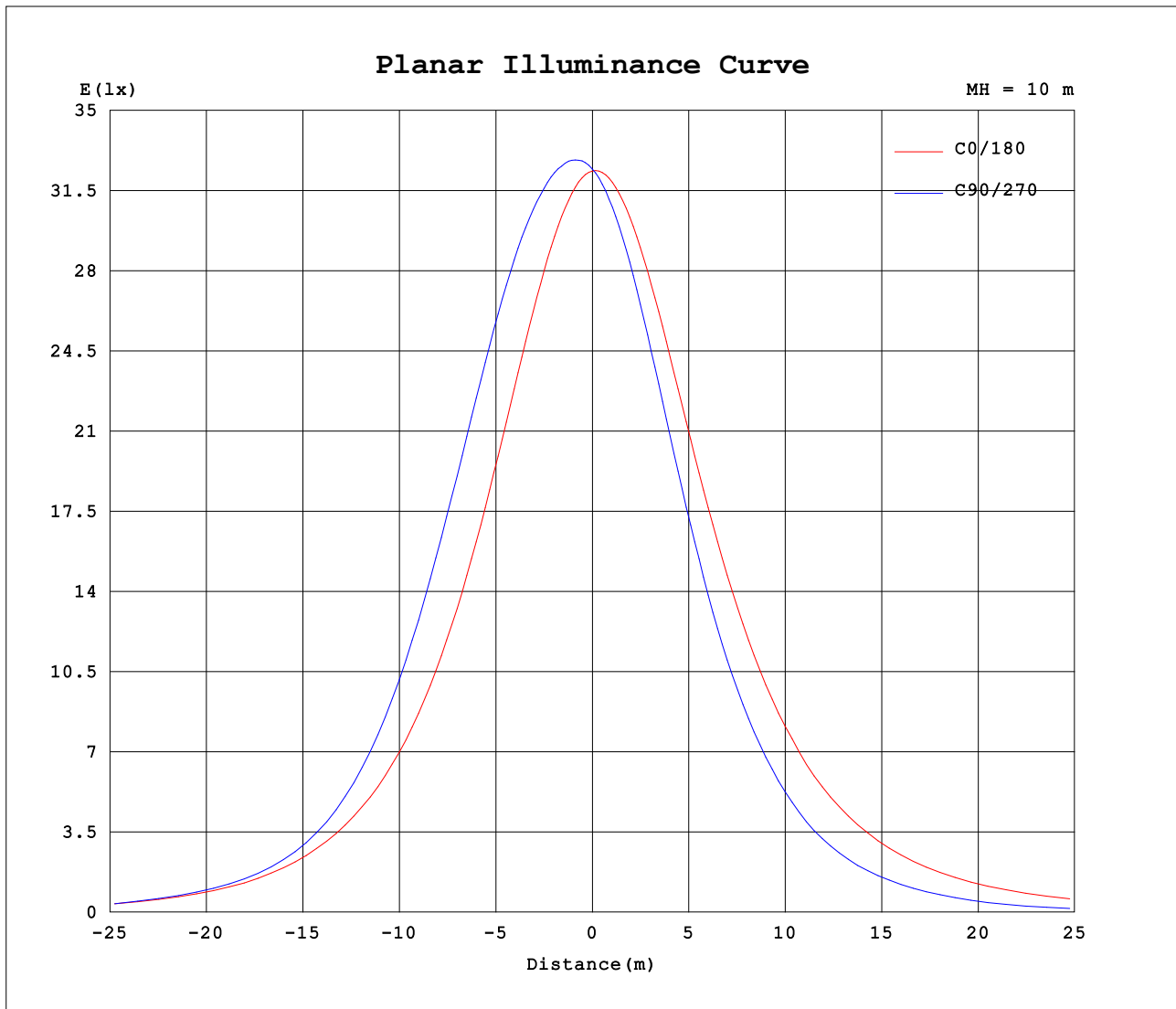
Test:U:275.42V I:0.2128A P:57.968W PF:0.9893 Freq:60.00Hz Lamp Flux:9001.29x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



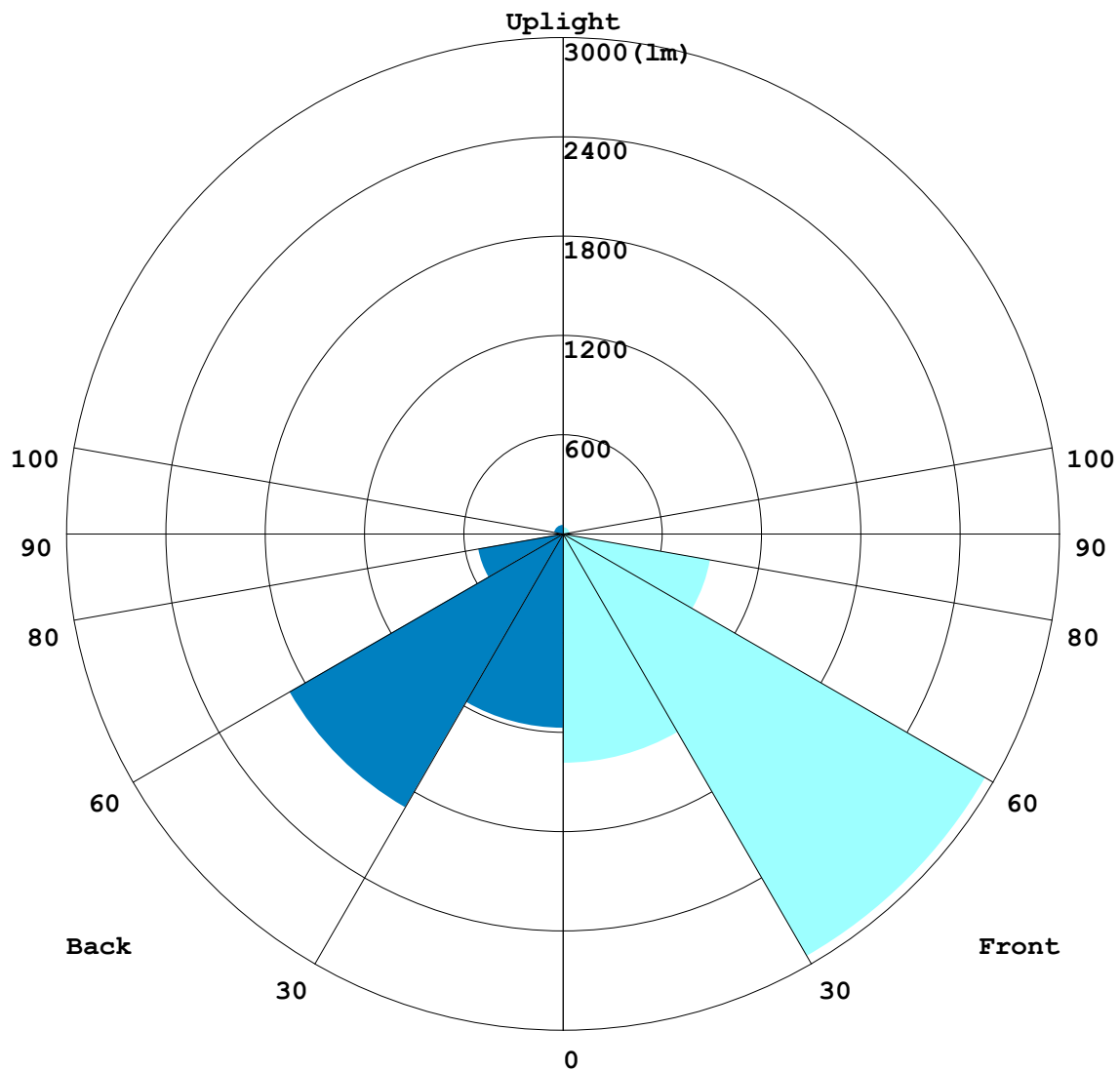
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.42V I:0.2128A P:57.968W PF:0.9893 Freq:60.00Hz Lamp Flux:9001.29x1 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:275.42V I:0.2128A P:57.968W PF:0.9893 Freq:60.00Hz Lamp Flux:9001.29x1 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)	1384.1	15.4
FM - Front-Medium(30-60)	2947.8	32.7
FH - Front-High(60-80)	903.36	10.0
FVH - Front-Very High(80-90)	37.671	0.4
Total Forward Light	5316.3	59.1

BL - Back-Low(0-30)	1173.7	13.0
BM - Back-Medium(30-60)	1908.9	21.2
BH - Back-High(60-80)	520.65	5.8
BVH - Back-Very High(80-90)	24.003	0.3
Total Back Light	3685	40.9

UL - Uplight-Low(90-100)	5.6286	0.1
UH - Uplight-High(100-180)	95.479	1.1
Total Up Light	101.11	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3627.3	57.694	3685
Street Side	5272.9	43.413	5316.3

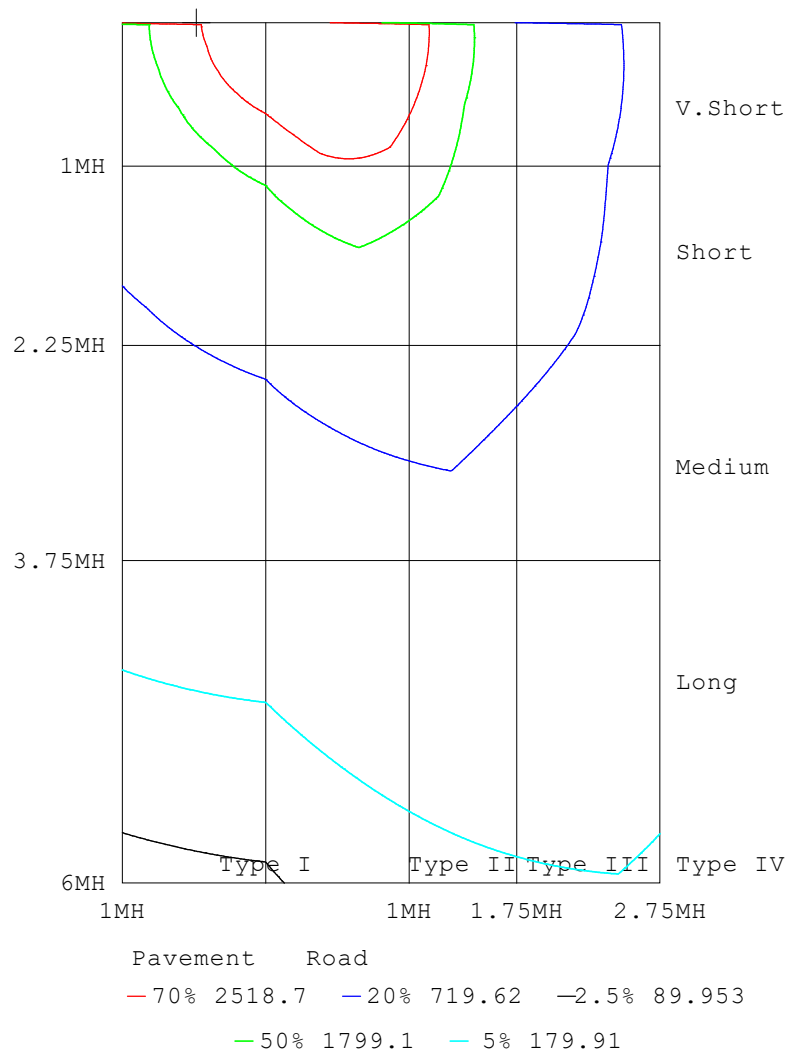
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.42V I:0.2128A P:57.968W PF:0.9893 Freq:60.00Hz Lamp Flux:9001.29x1 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:275.42V I:0.2128A P:57.968W PF:0.9893 Freq:60.00Hz Lamp Flux:9001.29x1 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	3239	3239	3239	3239	3239	3239	3239	3239	3239	3239	3239	3239	3239	3239	3239	3239			
5	3205	3241	3275	3302	3316	3314	3298	3274	3245	3210	3181	3157	3144	3142	3156	3178			
10	3139	3217	3293	3358	3393	3383	3343	3279	3221	3152	3095	3045	3023	3020	3046	3089			
15	3047	3168	3300	3414	3471	3452	3371	3260	3168	3064	2978	2904	2870	2862	2903	2968			
20	2924	3098	3297	3465	3546	3515	3388	3220	3086	2946	2831	2730	2685	2675	2731	2819			
25	2777	3009	3283	3500	3592	3560	3394	3157	2977	2798	2654	2530	2479	2467	2533	2641			
30	2607	2905	3251	3487	3573	3557	3383	3078	2841	2625	2453	2317	2250	2242	2314	2440			
35	2415	2785	3183	3396	3461	3478	3335	2984	2681	2424	2223	2086	2000	2004	2060	2215			
40	2205	2654	3058	3208	3236	3306	3230	2876	2498	2205	1982	1841	1749	1754	1821	1979			
45	1979	2505	2859	2894	2866	3008	3055	2747	2301	1968	1743	1589	1486	1497	1571	1729			
50	1738	2326	2576	2466	2380	2595	2797	2593	2069	1722	1495	1317	1212	1220	1322	1478			
55	1478	2075	2204	1933	1841	2066	2449	2394	1838	1474	1250	1058	964	964	1067	1229			
60	1193	1767	1766	1437	1362	1559	2018	2113	1583	1225	995	814	724	730	825	977			
65	898	1398	1302	1027	973	1133	1548	1788	1304	968	763	570	458	469	607	727			
70	610	1005	873	624	585	753	1110	1401	1009	715	546	328	260	257	366	488			
75	337	610	432	368	366	438	699	990	711	477	307	170	125	116	159	279			
80	100	259	140	110	114	193	335	593	414	266	124	51.2	24.2	17.9	37.1	85.6			
85	5.62	5.67	7.00	7.65	9.26	16.6	73.3	228	147	78.1	17.1	4.15	3.38	3.86	4.91	5.85			
90	5.24	3.79	2.85	2.27	2.30	2.76	3.76	4.91	6.99	5.61	4.67	3.74	3.56	4.38	5.56	5.97			
95	6.97	5.17	3.96	3.08	2.70	2.72	3.15	3.84	4.71	5.84	5.98	5.48	5.24	6.30	7.63	7.90			
100	8.89	6.75	5.29	4.26	3.81	3.81	4.34	5.21	6.32	7.68	8.07	7.58	7.43	8.59	9.92	9.96			
105	10.9	8.53	6.83	5.64	5.16	5.12	5.75	6.78	8.13	9.67	10.2	9.97	9.88	11.2	12.4	12.2			
110	13.2	10.5	8.54	7.21	6.71	6.65	7.33	8.55	10.1	11.8	12.6	12.6	12.6	13.9	14.9	14.5			
115	15.5	12.6	10.4	8.95	8.43	8.34	9.10	10.5	12.3	14.1	15.0	15.3	15.5	16.8	17.5	17.0			
120	17.8	14.8	12.4	10.8	10.3	10.2	11.0	12.6	14.5	16.5	17.5	18.1	18.5	19.7	20.1	19.5			
125	20.1	16.9	14.5	12.9	12.3	12.2	13.1	14.7	16.9	18.8	20.0	20.7	21.3	22.4	22.6	21.8			
130	22.1	18.9	16.5	14.9	14.4	14.3	15.1	16.8	19.0	21.0	22.2	23.2	23.9	24.9	24.8	23.9			
135	23.9	20.9	18.5	16.9	16.5	16.3	17.1	18.8	21.2	23.2	24.3	25.4	26.3	27.1	26.9	25.7			
140	25.6	22.7	20.5	18.9	18.5	18.3	19.1	20.7	23.2	25.1	26.2	27.3	28.3	29.3	28.9	27.5			
145	27.0	24.4	22.4	20.9	20.5	20.3	21.1	22.6	25.0	26.8	27.8	28.9	29.9	30.8	30.3	28.9			
150	28.2	26.1	24.2	22.8	22.5	22.3	23.1	24.4	26.6	28.3	29.3	30.2	31.1	31.9	31.4	30.2			
155	29.5	27.7	25.9	24.7	24.5	24.4	25.1	26.1	28.1	29.6	30.6	31.3	32.0	32.6	32.3	31.2			
160	30.7	29.2	27.7	26.6	26.5	26.4	27.0	27.8	29.4	30.6	31.6	32.1	32.6	33.1	32.8	31.9			
165	31.8	30.7	29.5	28.5	28.5	28.5	29.0	29.6	30.7	31.5	32.4	32.8	33.1	33.5	33.2	32.5			
170	32.9	32.2	31.1	30.3	30.4	30.4	30.9	31.2	32.0	32.4	33.0	33.3	33.6	33.9	33.6	33.2			
175	33.6	33.1	32.3	31.8	32.0	32.0	32.3	32.5	33.1	33.0	33.3	33.4	33.5	33.9	33.6	33.5			
180	33.8	33.4	33.2	33.1	33.4	33.4	33.5	33.3	33.8	33.3	33.3	33.2	33.1	33.6	33.3	33.4			

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: