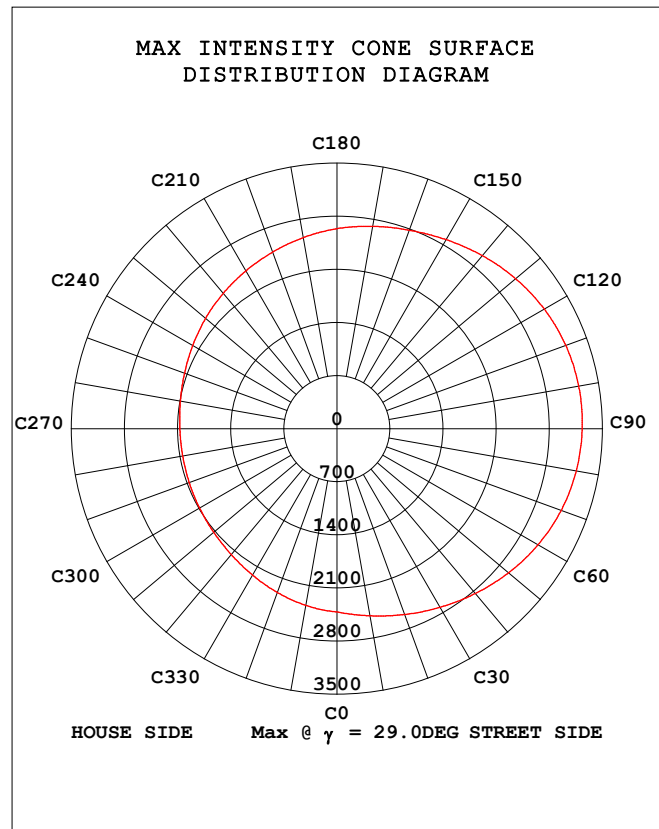
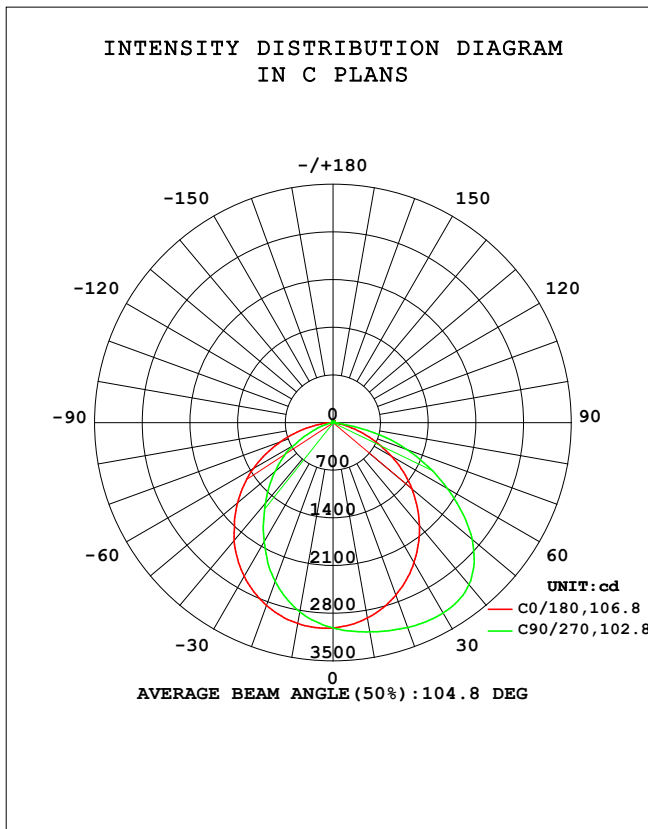


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.45V I:0.2123A P:57.835W PF:0.9892 Freq:60.00Hz Lamp Flux:8475.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.55 lm/W			
MODEL		Imax(cd)	3232	η street_up(%)	0.5
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	60.5
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	8475	η house_up(%)	0.6
NOMINAL FLUX(lm)	8475.45	MAXIMUM @ (C, γ)	90,29.0	η house_down(%)	38.4
LAMPS INSIDE	1	η up(%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	98.9	SLI	

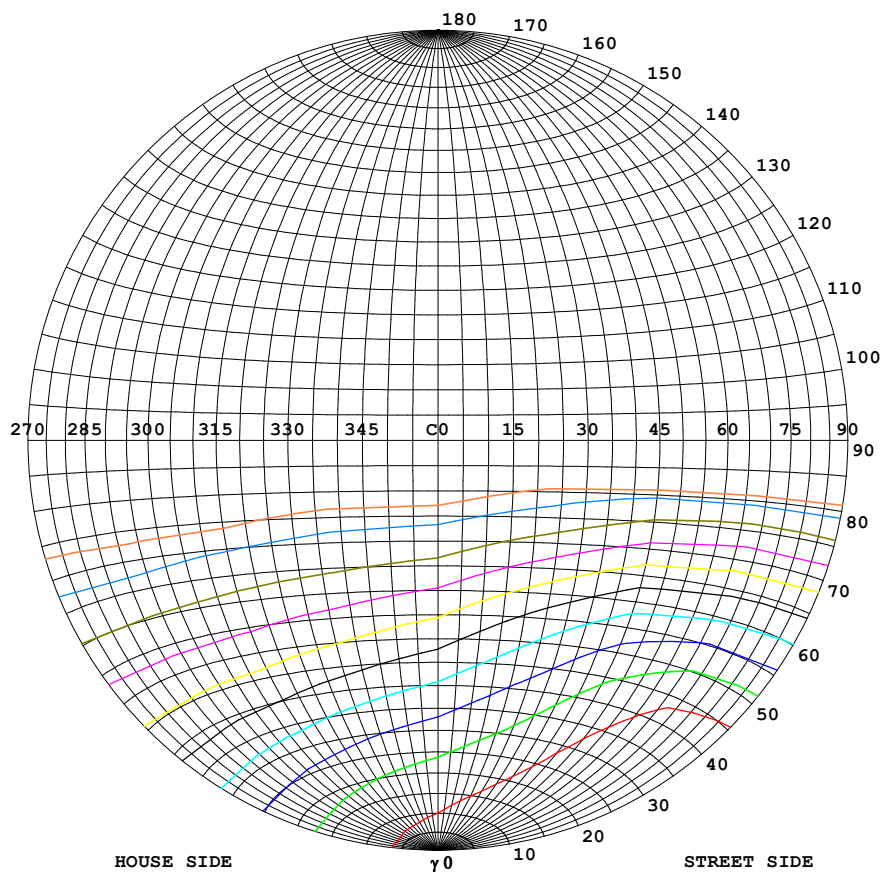


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-08-13

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:275.45V I:0.2123A P:57.835W PF:0.9892 Freq:60.00Hz Lamp Flux:8475.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

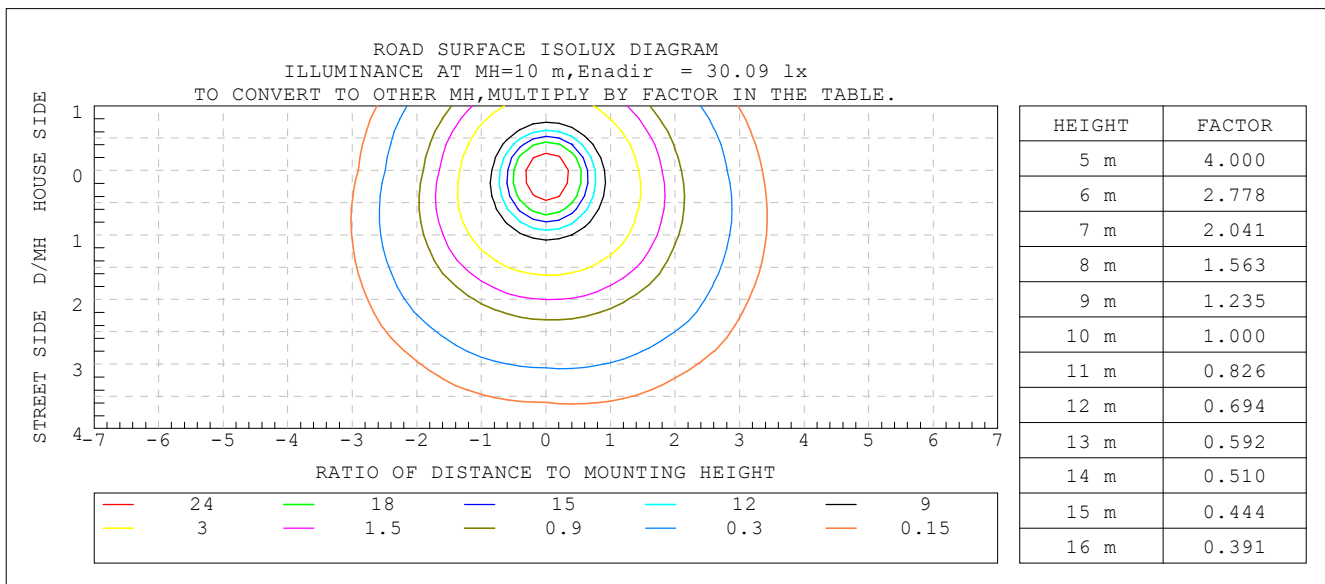
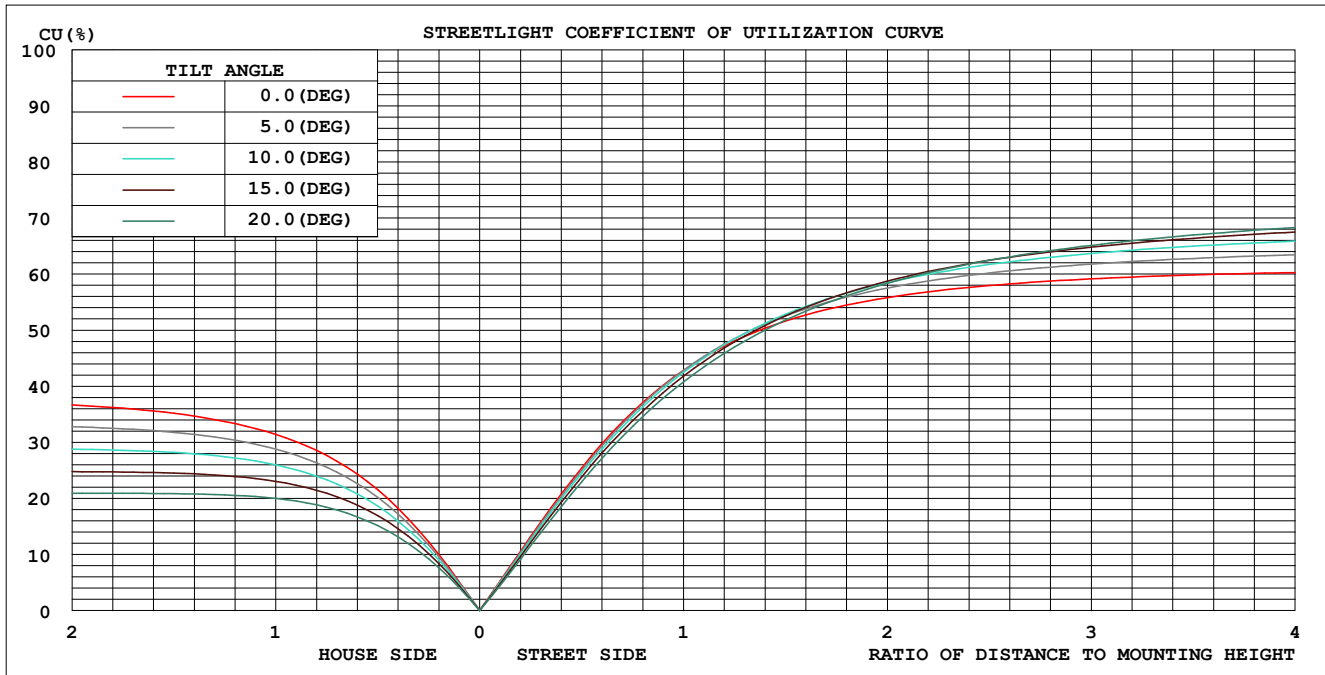
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:69.14cd/klm
Max.At90:0.7618cd/klm
Max.80-90:69.14cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3232
90%	2909
80%	2586
70%	2262
60%	1939
50%	1616
40%	1293
30%	970
20%	646
10%	323
5%	162

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:275.45V I:0.2123A P:57.835W PF:0.9892 Freq:60.00Hz Lamp Flux:8475.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

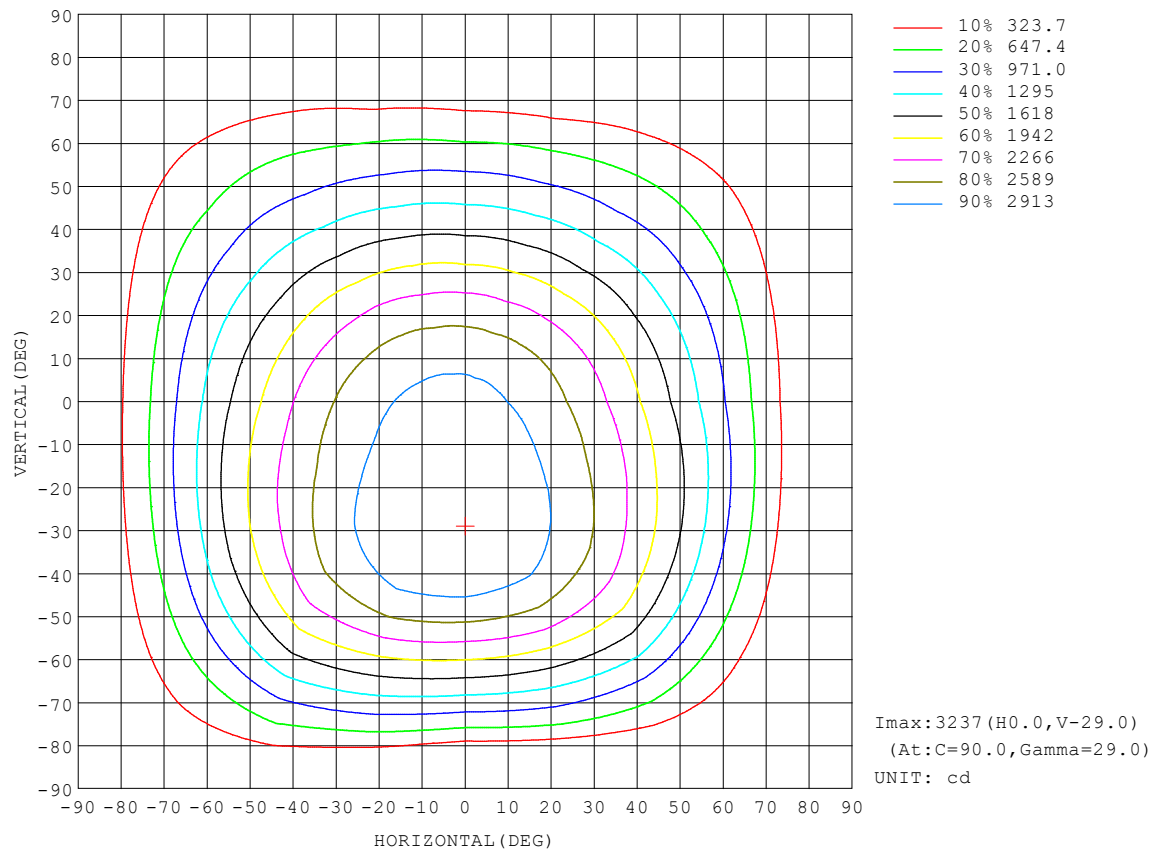
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2913	3038	3119	3086	2995	2886	2820	2835	0- 10	285.2	285.2	3.37,3.37
20	2695	2989	3200	3084	2859	2630	2485	2529	10- 20	817.7	1103	13,13
30	2377	2881	3231	3021	2607	2259	2023	2096	20- 30	1243	2346	27.7,27.7
40	1977	2687	3106	2869	2264	1783	1544	1622	30- 40	1507	3853	45.5,45.5
50	1512	2340	2669	2569	1830	1311	1110	1149	40- 50	1570	5423	64,64
60	999.8	1795	1946	2059	1354	875.9	660.0	727.3	50- 60	1401	6824	80.5,80.5
70	477.9	1057	1148	1358	817.7	466.1	246.9	304.5	60- 70	1004	7828	92.4,92.4
80	72.12	271.7	199.9	586.0	304.4	97.97	10.84	19.75	70- 80	486.8	8315	98.1,98.1
90	4.444	2.590	2.451	4.144	6.457	4.948	5.287	5.891	80- 90	66.77	8381	98.9,98.9
100	7.671	4.811	3.450	3.732	5.299	8.367	9.624	9.884	90-100	5.613	8387	99,99
110	11.57	7.820	5.989	6.373	8.636	12.61	14.51	14.23	100-110	8.831	8396	99.1,99.1
120	15.82	11.40	9.206	9.684	12.62	17.22	19.59	18.84	110-120	12.10	8408	99.2,99.2
130	19.84	15.34	12.93	13.36	16.72	21.58	23.89	22.75	120-130	14.60	8423	99.4,99.4
140	23.08	19.04	16.71	17.03	20.59	25.20	27.14	25.98	130-140	15.50	8438	99.6,99.6
150	25.64	22.53	20.31	20.63	23.87	27.81	29.20	28.12	140-150	14.60	8453	99.7,99.7
160	28.03	25.81	23.88	24.05	26.60	29.43	30.19	29.26	150-160	11.99	8465	99.9,99.9
170	30.17	28.88	27.19	27.49	29.10	30.53	30.56	29.81	160-170	7.950	8473	100,100
180	30.94	30.74	29.80	29.79	30.75	30.79	30.10	29.53	170-180	2.830	8475	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

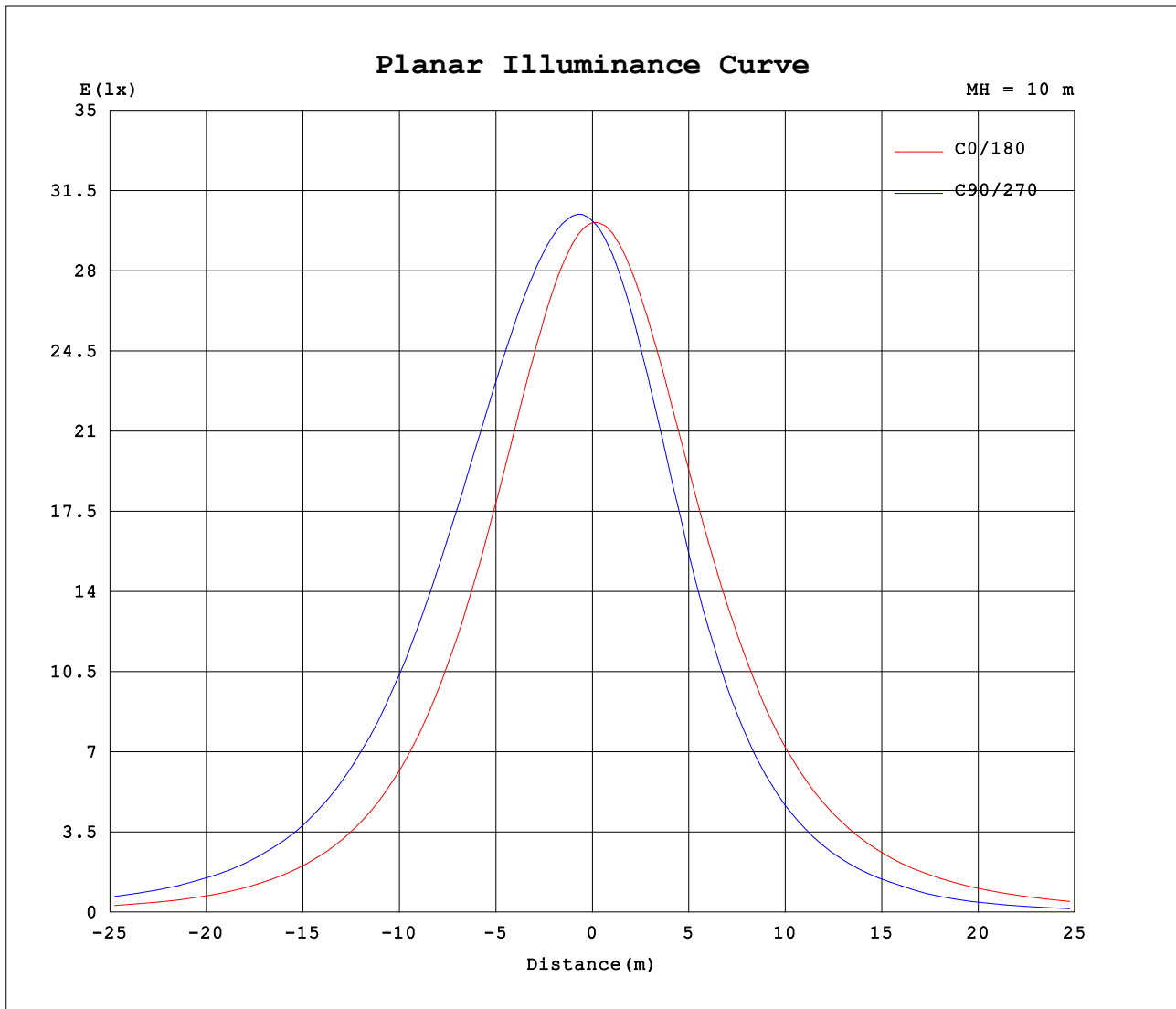
Test:U:275.45V I:0.2123A P:57.835W PF:0.9892 Freq:60.00Hz Lamp Flux:8475.45x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



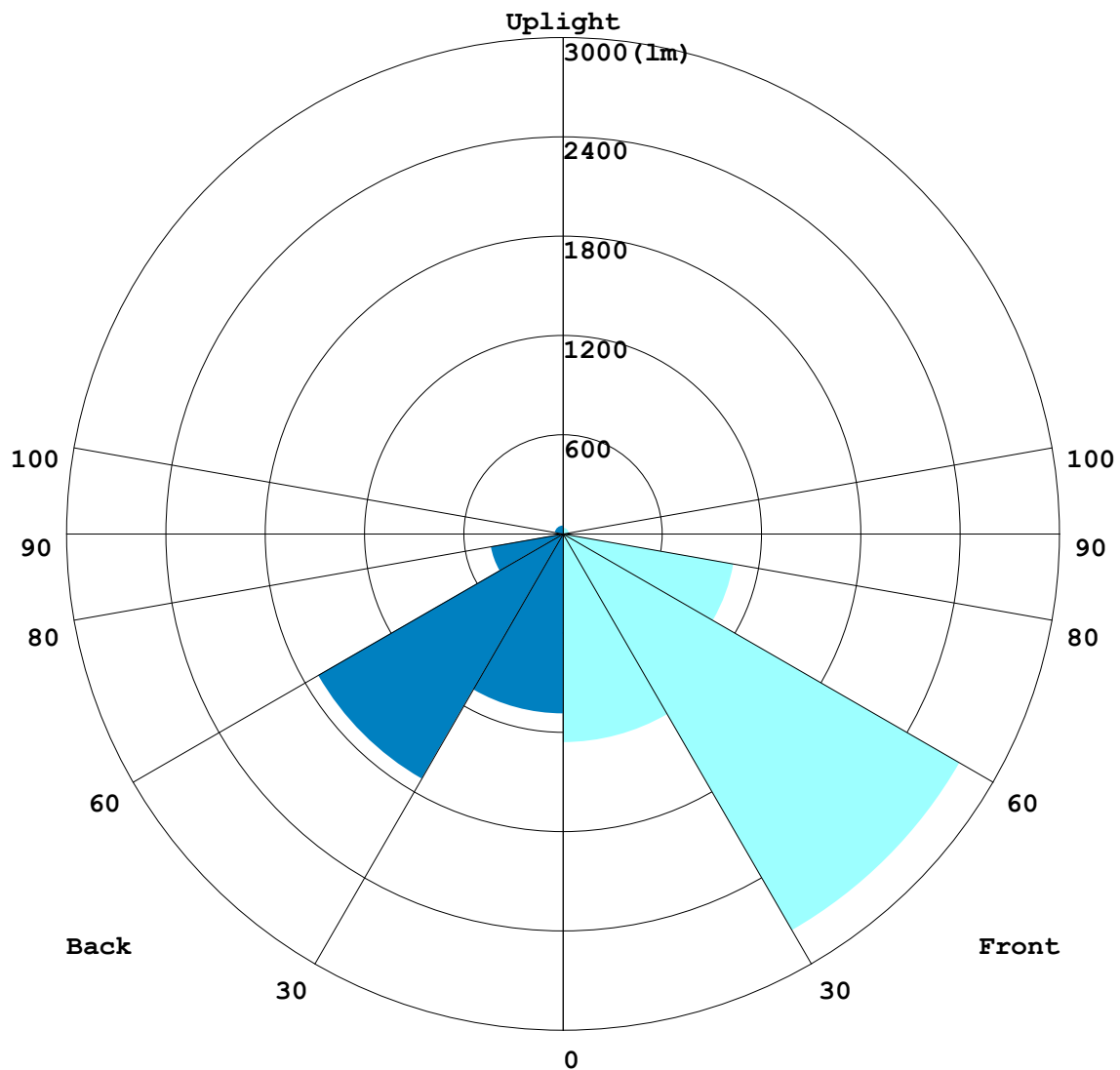
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.45V I:0.2123A P:57.835W PF:0.9892 Freq:60.00Hz Lamp Flux:8475.45x1 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:275.45V I:0.2123A P:57.835W PF:0.9892 Freq:60.00Hz Lamp Flux:8475.45x1 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)	1260	14.9
FM - Front-Medium(30-60)	2768.7	32.7
FH - Front-High(60-80)	1047.1	12.4
FVH - Front-Very High(80-90)	49.492	0.6
Total Forward Light	5164.4	60.9

BL - Back-Low(0-30)	1085.9	12.8
BM - Back-Medium(30-60)	1709.1	20.2
BH - Back-High(60-80)	443.78	5.2
BVH - Back-Very High(80-90)	17.278	0.2
Total Back Light	3311.1	39.1

UL - Uplight-Low(90-100)	5.6132	0.1
UH - Uplight-High(100-180)	88.401	1.0
Total Up Light	94.014	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G1
----------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3256.1	54.945	3311.1
Street Side	5125.3	39.069	5164.4

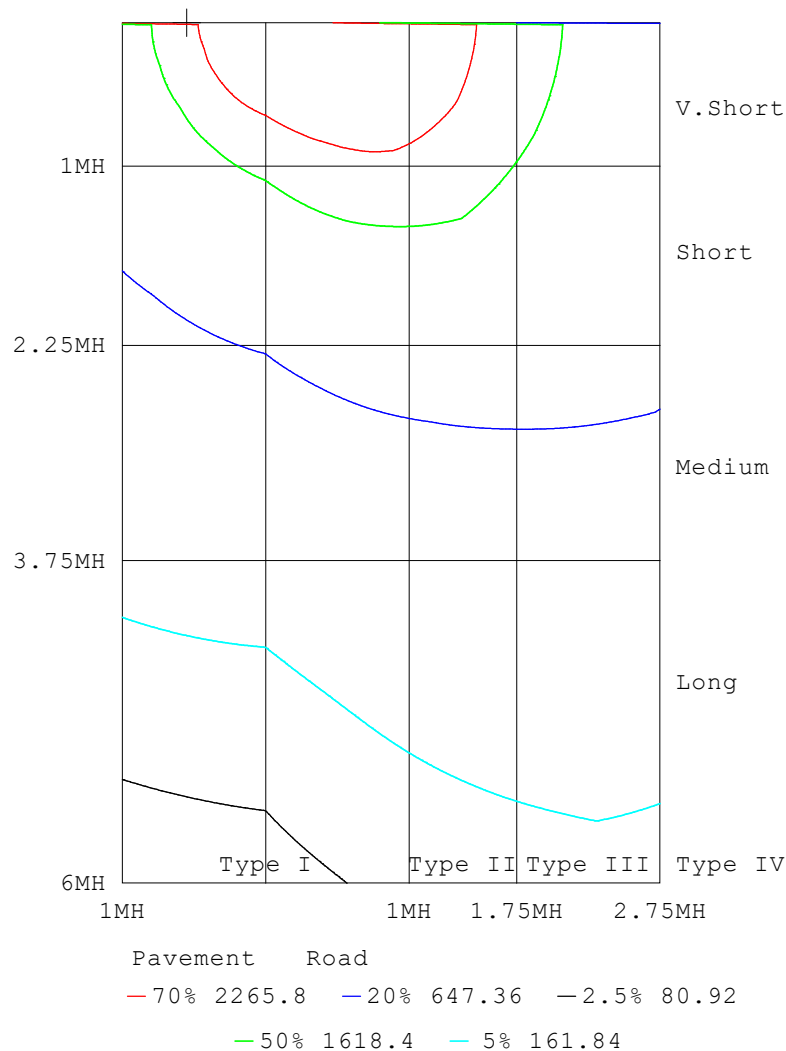
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:

ROAD ISOCANDELA REPORT

Test:U:275.45V I:0.2123A P:57.835W PF:0.9892 Freq:60.00Hz Lamp Flux:8475.45x1 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:275.45V I:0.2123A P:57.835W PF:0.9892 Freq:60.00Hz Lamp Flux:8475.45x1 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	3014	3014	3014	3014	3014	3014	3014	3014	3014	3014	3014	3014	3014	3014	3014	3014			
5	2978	3009	3038	3062	3074	3075	3062	3042	3020	2990	2963	2944	2932	2929	2940	2958			
10	2913	2977	3038	3092	3119	3118	3086	3042	2995	2935	2886	2841	2820	2813	2835	2872			
15	2818	2919	3020	3115	3162	3153	3092	3013	2940	2852	2774	2704	2668	2660	2699	2756			
20	2695	2836	2989	3130	3200	3181	3084	2959	2859	2737	2630	2530	2485	2477	2529	2612			
25	2548	2731	2943	3137	3227	3199	3059	2884	2747	2593	2457	2331	2273	2263	2333	2436			
30	2377	2608	2881	3122	3231	3197	3021	2786	2607	2423	2259	2106	2023	2032	2096	2242			
35	2185	2465	2800	3078	3199	3165	2961	2670	2449	2227	2015	1873	1783	1790	1863	2022			
40	1977	2311	2687	2989	3106	3090	2869	2538	2264	2013	1783	1632	1544	1549	1622	1789			
45	1750	2119	2537	2830	2930	2944	2744	2383	2048	1780	1548	1402	1323	1321	1377	1546			
50	1512	1924	2340	2594	2669	2721	2569	2198	1830	1541	1311	1185	1110	1103	1149	1303			
55	1263	1687	2093	2284	2328	2419	2345	1987	1599	1301	1089	967	904	885	934	1069			
60	1000	1404	1795	1895	1946	2038	2059	1736	1354	1067	876	761	660	671	727	830			
65	728	1082	1446	1525	1552	1664	1725	1444	1087	824	673	509	426	423	532	608			
70	478	755	1057	1146	1148	1281	1358	1113	818	600	466	296	247	236	304	404			
75	249	441	677	754	733	890	964	774	552	394	253	155	111	102	130	220			
80	72.1	188	272	249	200	433	586	454	304	210	98.0	28.2	10.8	8.34	19.7	58.9			
85	4.86	6.23	9.06	10.9	14.4	69.1	112	193	98.0	52.8	8.31	4.63	4.44	4.75	5.02	5.05			
90	4.44	3.31	2.59	2.21	2.45	3.11	4.14	5.19	6.46	4.89	4.95	5.13	5.29	5.78	5.89	5.37			
95	5.96	4.52	3.60	2.87	2.46	2.41	2.71	3.22	3.90	5.28	6.40	7.08	7.37	7.80	7.81	7.08			
100	7.67	5.94	4.81	3.93	3.45	3.35	3.73	4.40	5.30	6.98	8.37	9.24	9.62	10.0	9.88	8.96			
105	9.55	7.53	6.23	5.20	4.63	4.50	4.97	5.77	6.89	8.84	10.4	11.5	12.1	12.3	12.0	11.0			
110	11.6	9.30	7.82	6.63	5.99	5.83	6.37	7.32	8.64	10.9	12.6	13.9	14.5	14.7	14.2	13.1			
115	13.7	11.2	9.54	8.24	7.51	7.32	7.94	9.03	10.6	13.0	14.9	16.3	17.1	17.2	16.6	15.3			
120	15.8	13.2	11.4	9.99	9.21	8.97	9.68	10.9	12.6	15.2	17.2	18.8	19.6	19.6	18.8	17.5			
125	17.9	15.2	13.4	11.9	11.0	10.8	11.5	12.8	14.7	17.4	19.5	21.0	21.9	21.8	20.9	19.6			
130	19.8	17.1	15.3	13.8	12.9	12.6	13.4	14.7	16.7	19.5	21.6	23.1	23.9	23.7	22.8	21.3			
135	21.5	19.0	17.2	15.7	14.8	14.5	15.2	16.5	18.7	21.5	23.5	24.8	25.6	25.4	24.4	23.0			
140	23.1	20.7	19.0	17.6	16.7	16.3	17.0	18.3	20.6	23.2	25.2	26.5	27.1	26.9	26.0	24.6			
145	24.4	22.3	20.8	19.5	18.5	18.1	18.8	20.0	22.3	24.7	26.6	27.7	28.3	28.0	27.1	25.8			
150	25.6	23.9	22.5	21.3	20.3	19.9	20.6	21.7	23.9	26.1	27.8	28.7	29.2	28.8	28.1	27.1			
155	26.8	25.4	24.2	23.1	22.2	21.8	22.4	23.3	25.3	27.3	28.8	29.5	29.8	29.4	28.8	28.0			
160	28.0	26.8	25.8	24.8	23.9	23.5	24.0	24.9	26.6	28.2	29.4	30.0	30.2	29.7	29.3	28.6			
165	29.2	28.3	27.4	26.5	25.6	25.3	25.8	26.5	27.8	29.0	30.0	30.3	30.4	29.9	29.5	29.2			
170	30.2	29.6	28.9	28.1	27.2	27.0	27.5	27.9	29.1	29.9	30.5	30.6	30.6	30.1	29.8	29.8			
175	30.8	30.4	30.0	29.4	28.6	28.4	28.8	29.0	30.2	30.5	30.8	30.6	30.3	30.0	29.8	30.1			
180	30.9	30.7	30.7	30.6	29.8	29.7	29.8	29.8	30.7	30.8	30.8	30.3	30.1	29.7	29.5	30.0			

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: