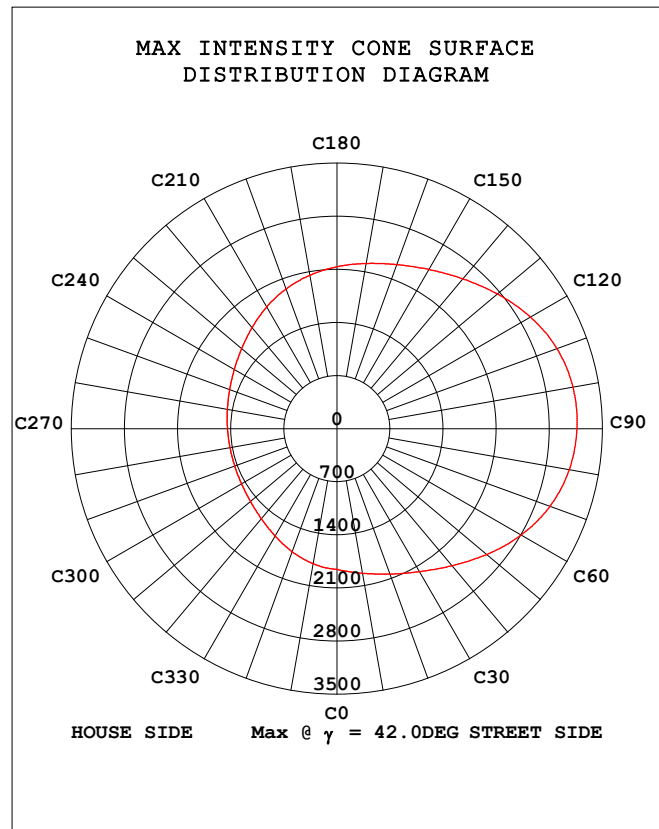
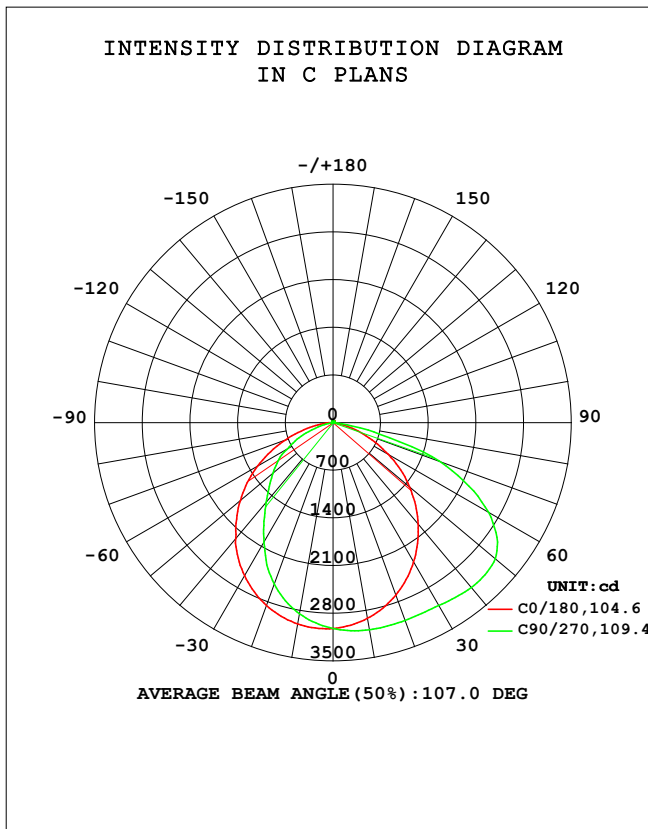


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.46V I:0.2127A P:57.968W PF:0.9892 Freq:60.00Hz Lamp Flux:8700.43x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.09 lm/W			
MODEL		Imax (cd)	3163	η street_up (%)	0.5
NOMINAL POWER(W)	60	LOR (%)	100.0	η street_down (%)	60.8
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	8700	η house_up (%)	0.7
NOMINAL FLUX(lm)	8700.43	MAXIMUM @ (C, γ)	90,42.0	η house_down (%)	38.1
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

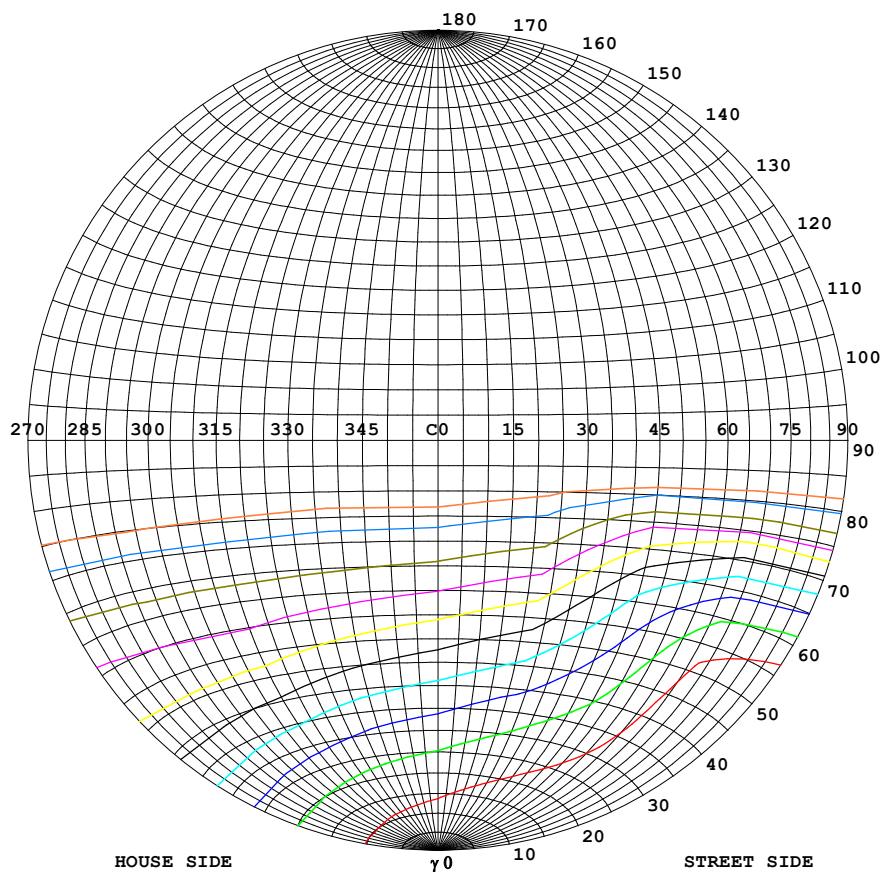


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.46V I:0.2127A P:57.968W PF:0.9892 Freq:60.00Hz Lamp Flux:8700.43x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

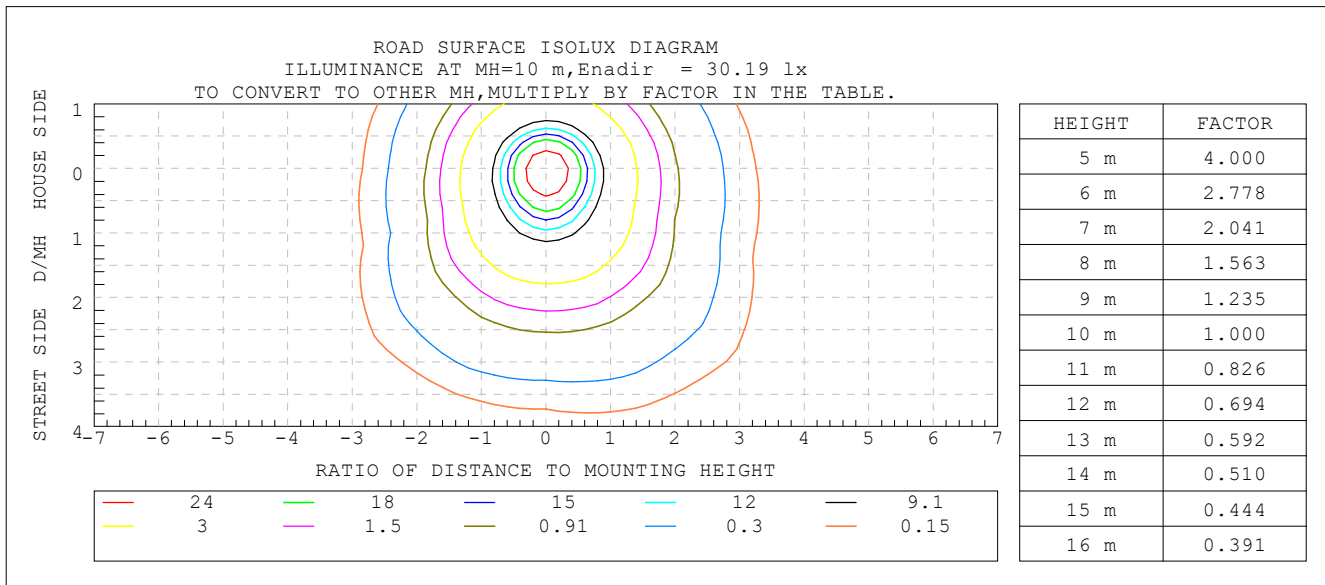
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:79.11cd/klm
Max.At90:0.8700cd/klm
Max.80-90:79.11cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3163
90%	2847
80%	2530
70%	2214
60%	1898
50%	1581
40%	1265
30%	949
20%	633
10%	316
5%	158

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:275.46V I:0.2127A P:57.968W PF:0.9892 Freq:60.00Hz Lamp Flux:8700.43x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

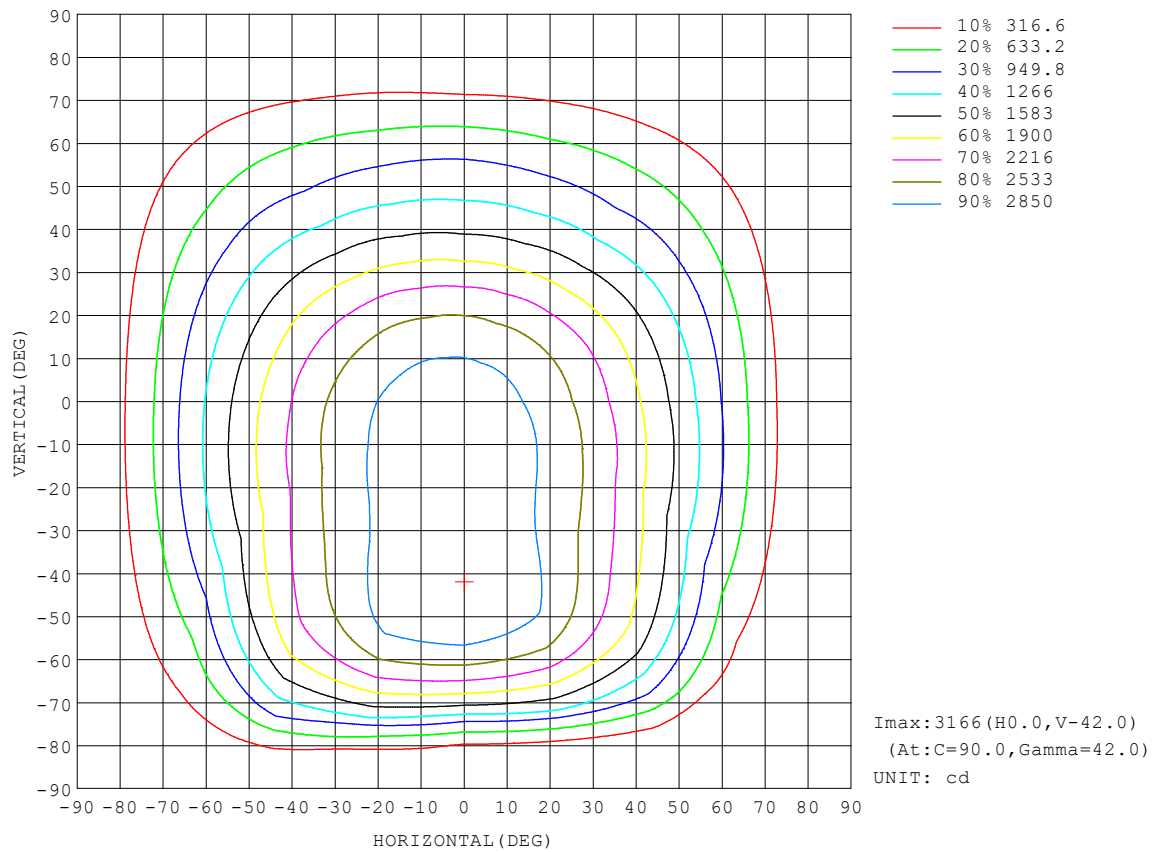
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2919	3019	3087	3067	3002	2909	2849	2858	0- 10	285.7	285.7	3.28,3.28
20	2695	2915	3091	3014	2859	2666	2526	2566	10- 20	815.5	1101	12.7,12.7
30	2367	2737	3102	2882	2598	2287	2032	2124	20- 30	1228	2329	26.8,26.8
40	1949	2514	3161	2706	2226	1786	1528	1619	30- 40	1476	3805	43.7,43.7
50	1469	2266	3111	2507	1778	1297	1153	1139	40- 50	1559	5364	61.7,61.7
60	939.0	1949	2637	2232	1284	885.5	780.1	747.6	50- 60	1471	6835	78.6,78.6
70	435.3	1305	1660	1680	744.2	502.8	384.7	362.7	60- 70	1141	7975	91.7,91.7
80	64.38	311.9	274.8	688.3	265.6	134.0	25.63	36.34	70- 80	560.2	8536	98.1,98.1
90	4.174	2.711	2.887	4.268	6.179	5.630	7.118	6.765	80- 90	68.40	8604	98.9,98.9
100	7.327	4.902	3.960	4.005	4.992	8.991	12.27	10.97	90-100	6.186	8610	99,99
110	11.20	7.818	6.456	6.680	8.274	13.20	17.28	15.31	100-110	9.462	8620	99.1,99.1
120	15.43	11.37	9.615	10.03	12.24	17.75	21.93	19.91	110-120	12.64	8632	99.2,99.2
130	19.45	15.12	13.35	13.83	16.33	22.04	25.68	23.67	120-130	15.01	8647	99.4,99.4
140	22.76	18.71	17.07	17.50	20.24	25.56	28.05	26.48	130-140	15.74	8663	99.6,99.6
150	25.42	22.10	20.68	21.02	23.61	27.80	29.61	28.44	140-150	14.70	8678	99.7,99.7
160	27.94	25.22	24.10	24.37	26.48	28.86	30.18	29.54	150-160	12.00	8690	99.9,99.9
170	30.18	28.05	27.19	27.72	29.12	29.70	30.04	30.05	160-170	7.913	8698	100,100
180	30.95	29.74	29.68	29.93	30.86	30.04	29.46	29.81	170-180	2.808	8700	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

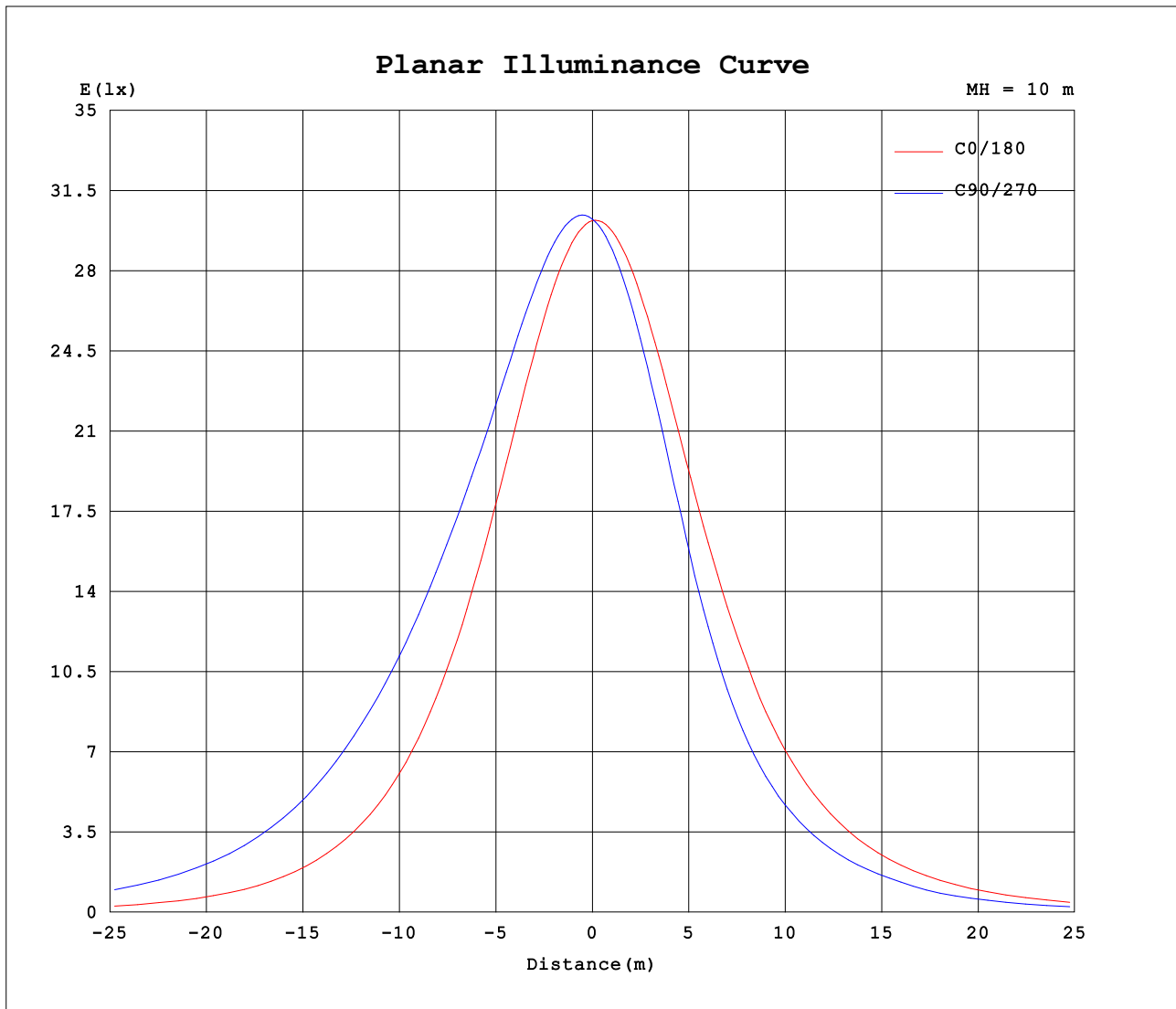
Test:U:275.46V I:0.2127A P:57.968W PF:0.9892 Freq:60.00Hz Lamp Flux:8700.43x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



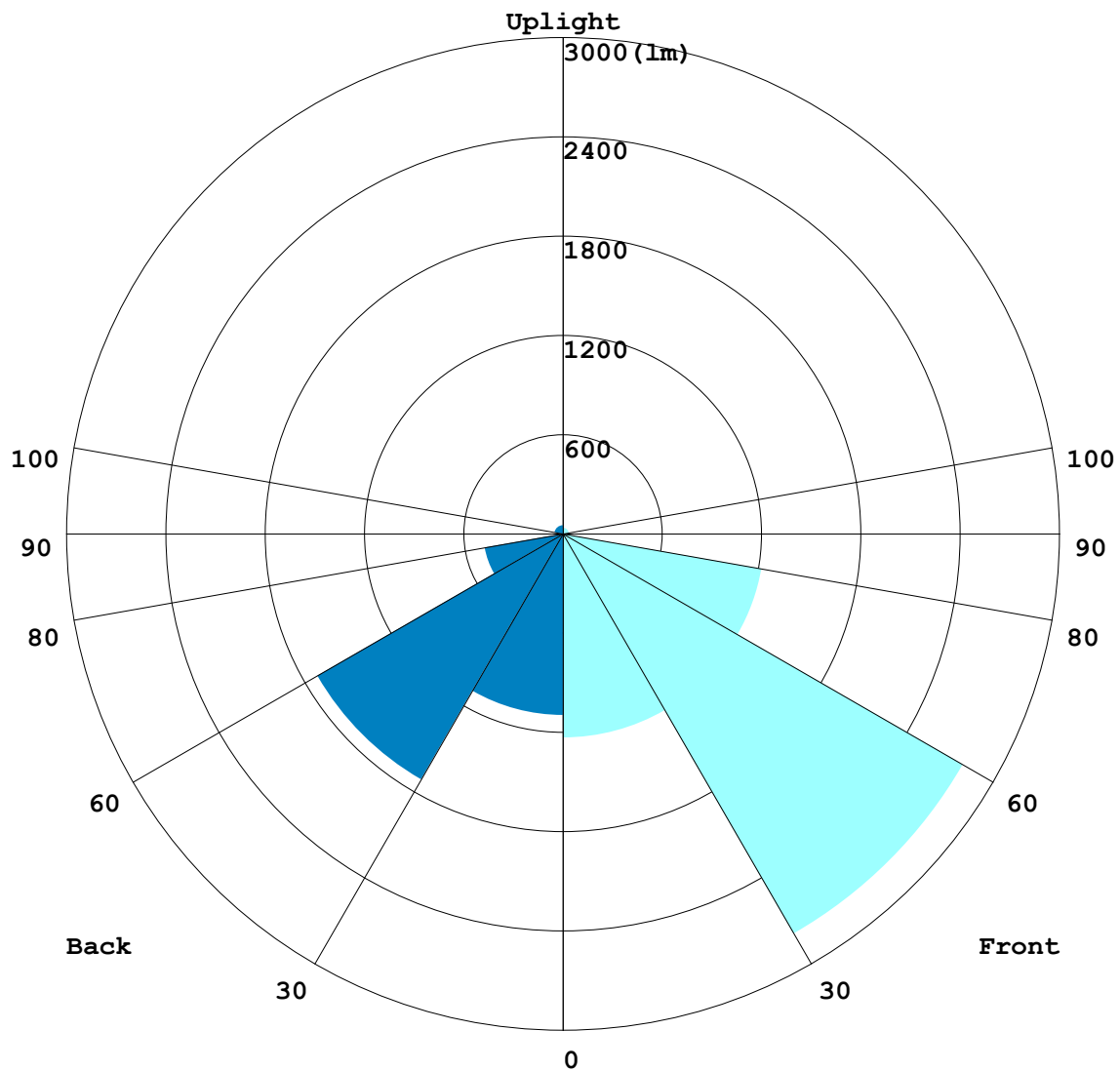
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.46V I:0.2127A P:57.968W PF:0.9892 Freq:60.00Hz Lamp Flux:8700.43x1 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:275.46V I:0.2127A P:57.968W PF:0.9892 Freq:60.00Hz Lamp Flux:8700.43x1 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)	1233	14.2
FM - Front-Medium(30-60)	2790.1	32.1
FH - Front-High(60-80)	1219.4	14.0
FVH - Front-Very High(80-90)	49.89	0.6
Total Forward Light	5331.7	61.3

BL - Back-Low(0-30)	1096.2	12.6
BM - Back-Medium(30-60)	1715.5	19.7
BH - Back-High(60-80)	481.37	5.5
BVH - Back-Very High(80-90)	18.512	0.2
Total Back Light	3368.7	38.7

UL - Uplight-Low(90-100)	6.1859	0.1
UH - Uplight-High(100-180)	90.263	1.0
Total Up Light	96.449	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3311.6	57.097	3368.7
Street Side	5292.4	39.352	5331.7

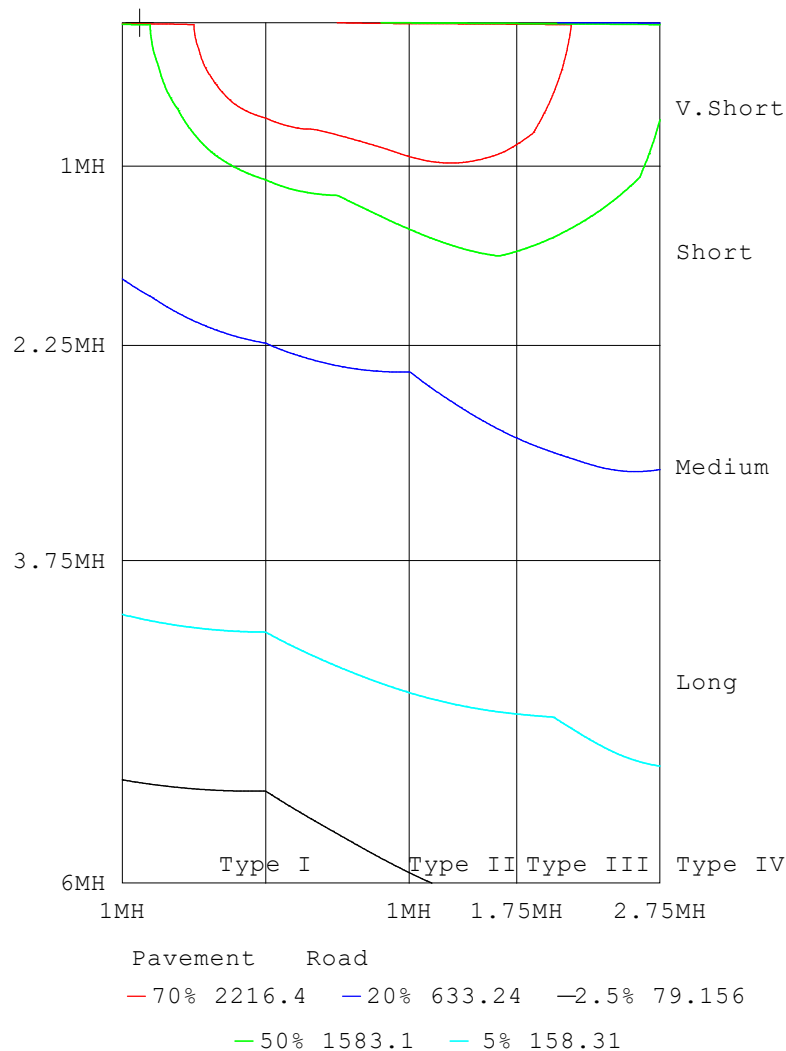
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:275.46V I:0.2127A P:57.968W PF:0.9892 Freq:60.00Hz Lamp Flux:8700.43x1 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:275.46V I:0.2127A P:57.968W PF:0.9892 Freq:60.00Hz Lamp Flux:8700.43x1 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	3023	3023	3023	3023	3023	3023	3023	3023	3023	3023	3023	3023	3023	3023	3023	3023			
5	2986	3012	3035	3056	3067	3070	3059	3044	3027	3002	2980	2960	2951	2948	2954	2971			
10	2919	2971	3019	3063	3087	3092	3067	3037	3002	2951	2909	2870	2849	2842	2858	2888			
15	2822	2901	2978	3053	3092	3094	3052	2998	2944	2870	2805	2738	2708	2701	2731	2773			
20	2695	2804	2915	3029	3091	3083	3014	2930	2859	2758	2666	2570	2526	2514	2566	2632			
25	2542	2679	2833	3000	3090	3068	2954	2837	2741	2617	2494	2362	2303	2297	2370	2462			
30	2367	2535	2737	2974	3102	3054	2882	2717	2598	2446	2287	2121	2032	2042	2124	2265			
35	2165	2361	2628	2963	3134	3057	2797	2571	2430	2250	2035	1866	1770	1784	1874	2044			
40	1949	2154	2514	2955	3161	3060	2706	2405	2226	2031	1786	1613	1528	1529	1619	1804			
45	1716	1943	2393	2931	3157	3047	2612	2200	2006	1793	1538	1390	1327	1316	1367	1555			
50	1469	1712	2266	2876	3111	3002	2507	1990	1778	1547	1297	1197	1153	1126	1139	1307			
55	1212	1454	2126	2744	2939	2889	2386	1758	1537	1301	1082	1020	989	946	937	1066			
60	939	1175	1949	2490	2637	2654	2232	1500	1284	1059	886	841	780	762	748	824			
65	678	877	1689	2100	2202	2301	2006	1219	1013	816	699	624	586	553	565	601			
70	435	592	1305	1634	1660	1824	1680	924	744	592	503	436	385	360	363	399			
75	223	336	859	896	856	1218	1248	636	491	389	310	222	162	150	181	218			
80	64.4	132	312	276	275	536	688	370	266	208	134	60.2	25.6	17.8	36.3	65.3			
85	4.56	5.90	8.60	10.3	13.2	68.1	152	144	90.6	58.1	15.5	6.45	6.41	6.63	6.16	5.26			
90	4.17	3.28	2.71	2.51	2.89	3.46	4.27	4.96	6.18	4.91	5.63	6.47	7.12	7.57	6.76	5.35			
95	5.64	4.46	3.71	3.17	2.94	2.82	2.94	3.27	3.66	5.12	6.96	8.70	9.64	10.00	8.85	7.07			
100	7.33	5.84	4.90	4.23	3.96	3.80	4.01	4.43	4.99	6.82	8.99	11.1	12.3	12.5	11.0	8.98			
105	9.19	7.40	6.28	5.45	5.14	4.97	5.26	5.80	6.57	8.70	11.1	13.4	14.8	14.9	13.1	11.0			
110	11.2	9.15	7.82	6.83	6.46	6.30	6.68	7.35	8.27	10.7	13.2	15.7	17.3	17.2	15.3	13.2			
115	13.3	11.0	9.52	8.38	7.95	7.79	8.27	9.06	10.2	12.9	15.4	17.9	19.6	19.5	17.6	15.4			
120	15.4	13.0	11.4	10.1	9.62	9.45	10.0	10.9	12.2	15.1	17.8	20.2	21.9	21.8	19.9	17.6			
125	17.5	15.0	13.3	11.9	11.5	11.3	11.9	12.8	14.3	17.3	20.0	22.4	24.0	24.0	22.0	19.7			
130	19.4	16.9	15.1	13.8	13.3	13.1	13.8	14.8	16.3	19.4	22.0	24.1	25.7	25.7	23.7	21.3			
135	21.2	18.7	17.0	15.7	15.2	15.0	15.7	16.6	18.3	21.3	23.9	25.6	26.9	27.0	25.1	22.9			
140	22.8	20.5	18.7	17.5	17.1	16.9	17.5	18.4	20.2	23.0	25.6	27.0	28.0	28.1	26.5	24.5			
145	24.2	22.1	20.4	19.3	18.9	18.7	19.3	20.2	22.0	24.4	26.8	28.1	28.9	28.9	27.5	25.8			
150	25.4	23.7	22.1	21.0	20.7	20.5	21.0	21.9	23.6	25.6	27.8	29.0	29.6	29.6	28.4	27.0			
155	26.7	25.2	23.7	22.7	22.5	22.2	22.7	23.5	25.1	26.7	28.5	29.5	30.1	30.1	29.2	28.0			
160	27.9	26.7	25.2	24.4	24.1	23.8	24.4	25.2	26.5	27.5	28.9	29.7	30.2	30.3	29.5	28.6			
165	29.1	28.1	26.7	25.9	25.7	25.5	26.0	26.8	27.8	28.4	29.3	29.7	30.1	30.4	29.8	29.2			
170	30.2	29.4	28.0	27.4	27.2	27.1	27.7	28.2	29.1	29.2	29.7	29.8	30.0	30.4	30.0	29.9			
175	30.8	30.3	29.0	28.6	28.5	28.5	29.0	29.3	30.3	29.9	30.0	29.7	29.7	30.2	30.0	30.2			
180	30.9	30.5	29.7	29.6	29.7	29.7	29.9	30.0	30.9	30.2	30.0	29.5	29.5	29.9	29.8	30.1			

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: