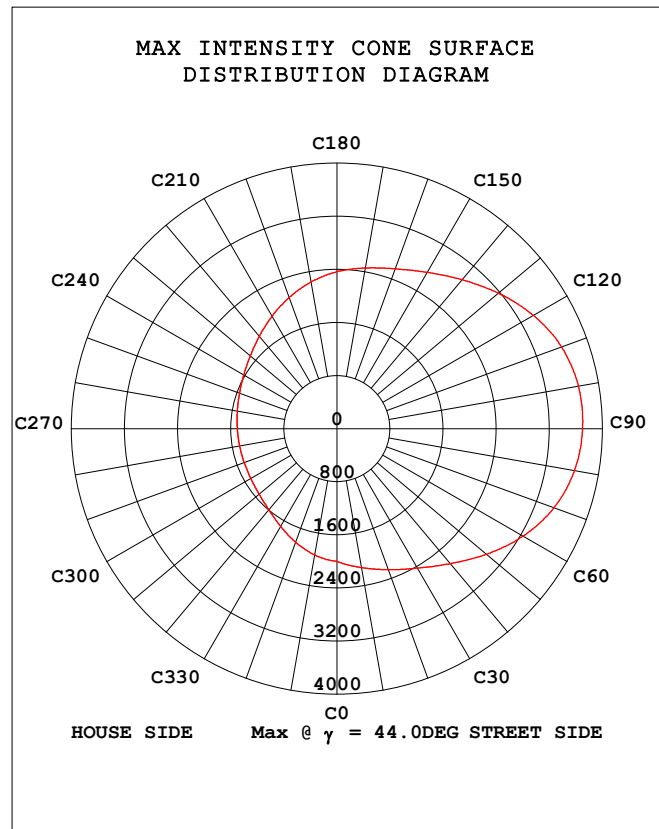
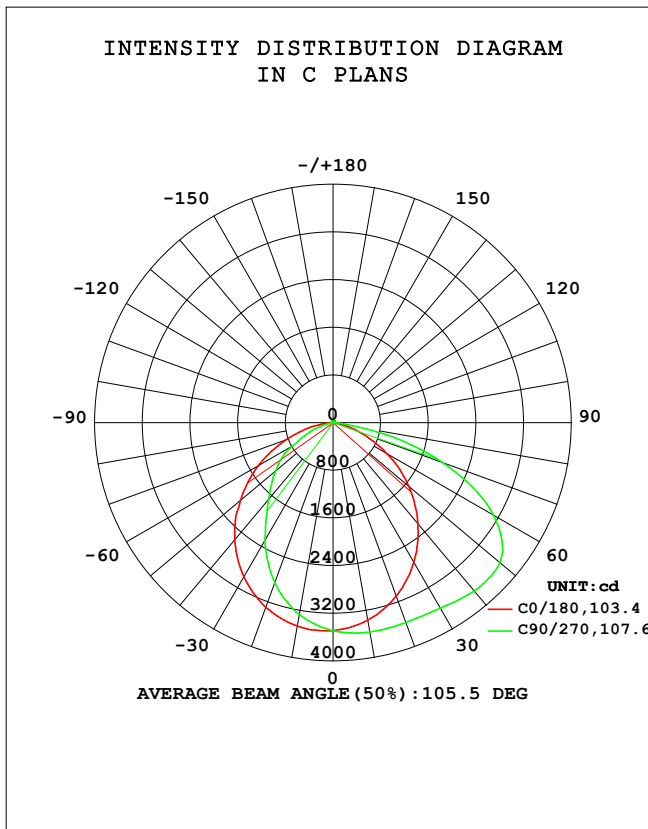


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.20V I:0.2945A P:80.632W PF:0.9949 Freq:60.00Hz Lamp Flux:9975.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.72 lm/W			
MODEL		I _{max} (cd)	3698	η street_up (%)	0.4
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	62.0
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	9975	η house_up (%)	0.7
NOMINAL FLUX (lm)	9975.46	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	

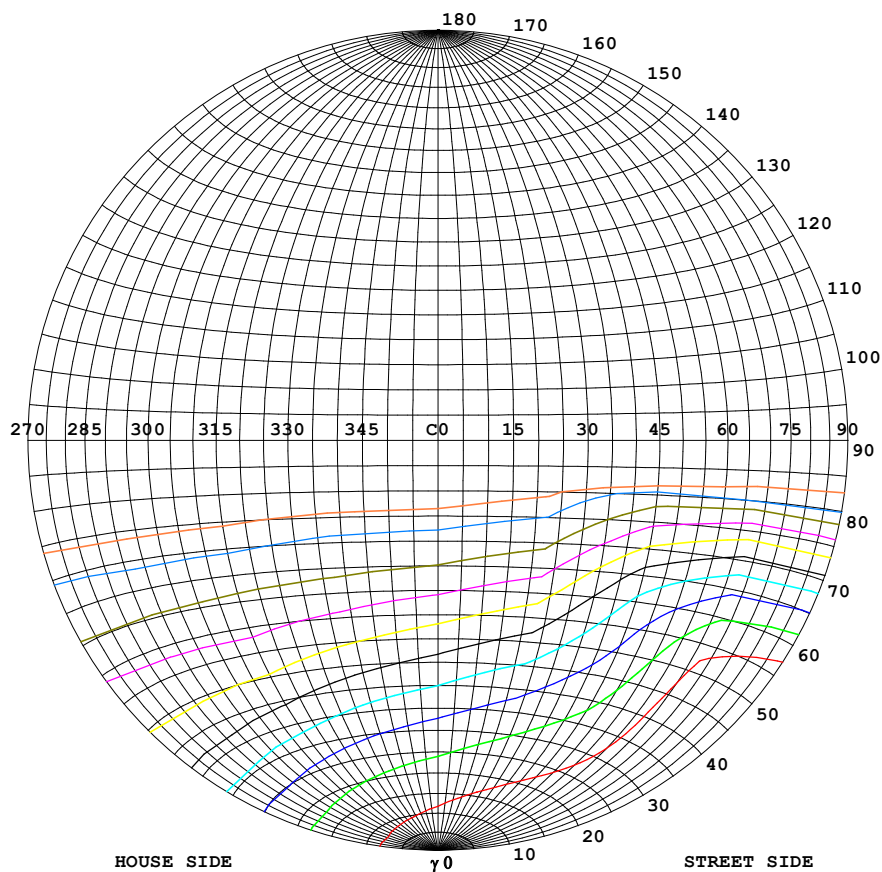


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.20V I:0.2945A P:80.632W PF:0.9949 Freq:60.00Hz Lamp Flux:9975.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

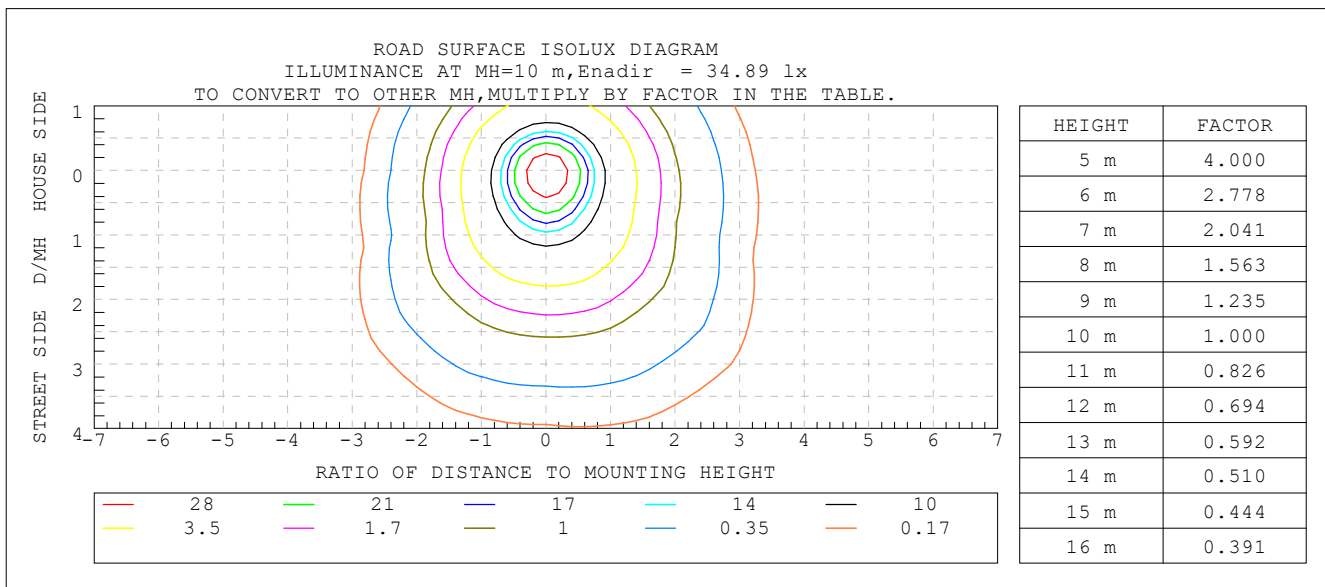
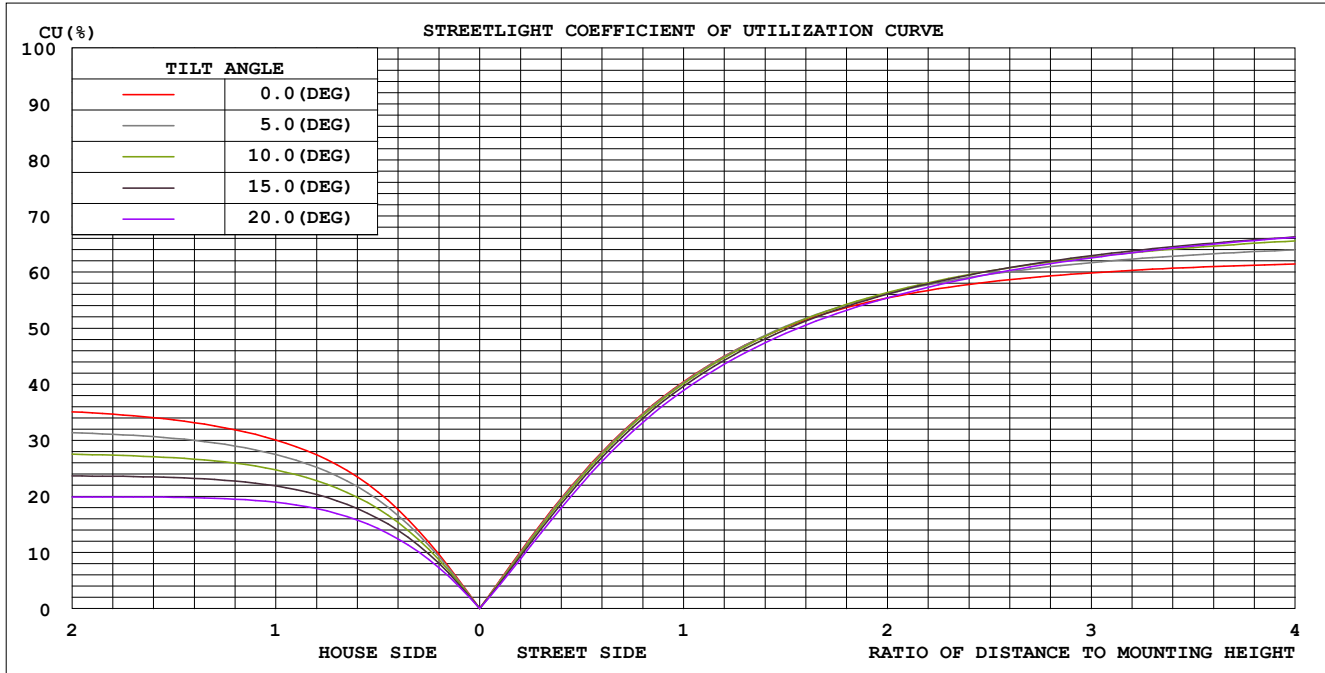
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:93.71cd/klm
Max.At90:0.9270cd/klm
Max.80-90:93.71cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3698
90%	3328
80%	2958
70%	2589
60%	2219
50%	1849
40%	1479
30%	1109
20%	740
10%	370
5%	185

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:275.20V I:0.2945A P:80.632W PF:0.9949 Freq:60.00Hz Lamp Flux:9975.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

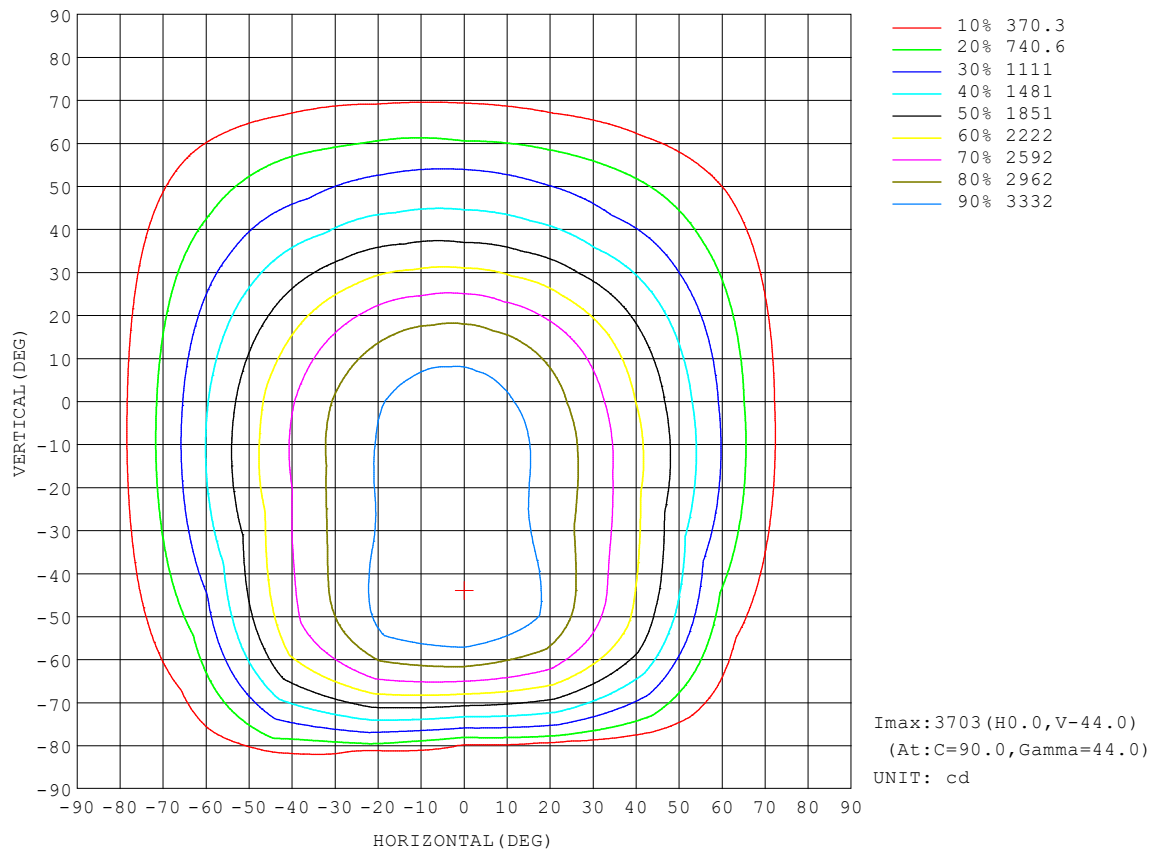
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3365	3487	3568	3547	3466	3347	3268	3286	0- 10	329.7	329.7	3.3,3.3
20	3099	3365	3571	3482	3298	3045	2859	2922	10- 20	938.3	1268	12.7,12.7
30	2709	3155	3596	3333	2991	2579	2287	2408	20- 30	1407	2675	26.8,26.8
40	2216	2898	3689	3133	2564	1991	1683	1797	30- 40	1687	4363	43.7,43.7
50	1660	2625	3657	2914	2029	1427	1260	1251	40- 50	1782	6145	61.6,61.6
60	1054	2273	3110	2613	1451	966.6	771.4	807.2	50- 60	1681	7826	78.5,78.5
70	477.3	1527	1951	1979	828.9	509.8	344.5	334.1	60- 70	1290	9116	91.4,91.4
80	73.11	507.2	338.8	934.8	288.4	120.6	12.79	18.72	70- 80	658.2	9775	98,98
90	4.642	2.974	3.329	5.460	7.446	6.521	8.804	8.130	80- 90	89.40	9864	98.9,98.9
100	8.183	5.449	4.260	4.306	5.594	10.63	14.97	12.98	90-100	7.182	9871	99,99
110	12.52	8.785	7.157	7.327	9.345	15.47	20.92	18.04	100-110	10.92	9882	99.1,99.1
120	17.34	12.85	10.84	11.15	13.80	20.71	26.49	23.40	110-120	14.60	9897	99.2,99.2
130	21.88	17.33	15.22	15.47	18.52	25.69	30.78	27.72	120-130	17.33	9914	99.4,99.4
140	25.68	21.64	19.76	19.81	22.93	29.67	33.50	30.95	130-140	18.18	9932	99.6,99.6
150	28.74	25.67	24.14	23.98	26.80	32.25	35.28	33.23	140-150	16.99	9949	99.7,99.7
160	31.56	29.40	28.29	27.89	30.08	33.45	35.95	34.50	150-160	13.89	9963	99.9,99.9
170	34.08	32.76	32.00	31.80	33.11	34.33	35.72	35.05	160-170	9.165	9972	100,100
180	34.97	34.85	35.02	34.40	35.17	34.58	34.96	34.76	170-180	3.252	9975	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

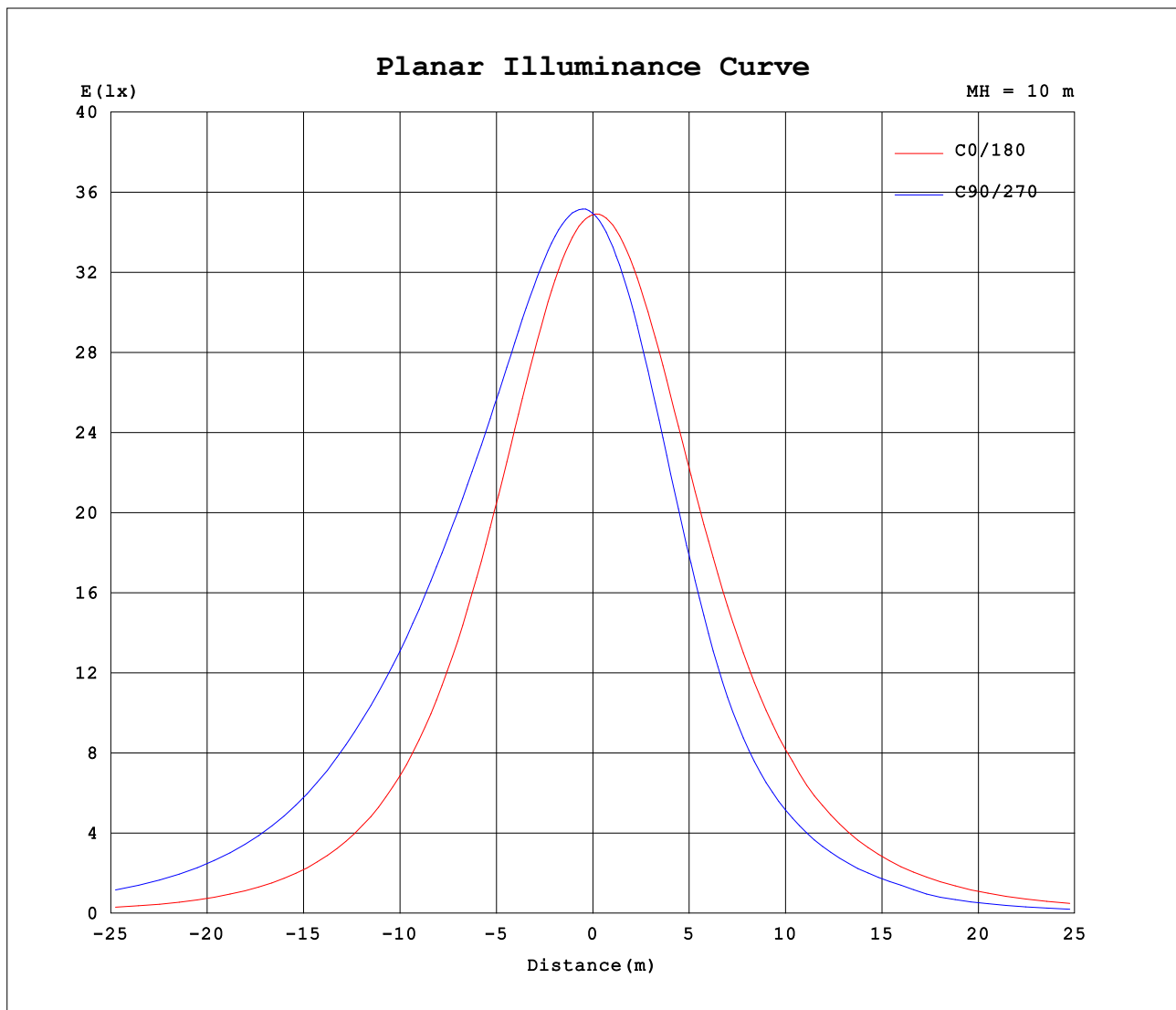
Test:U:275.20V I:0.2945A P:80.632W PF:0.9949 Freq:60.00Hz Lamp Flux:9975.46x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



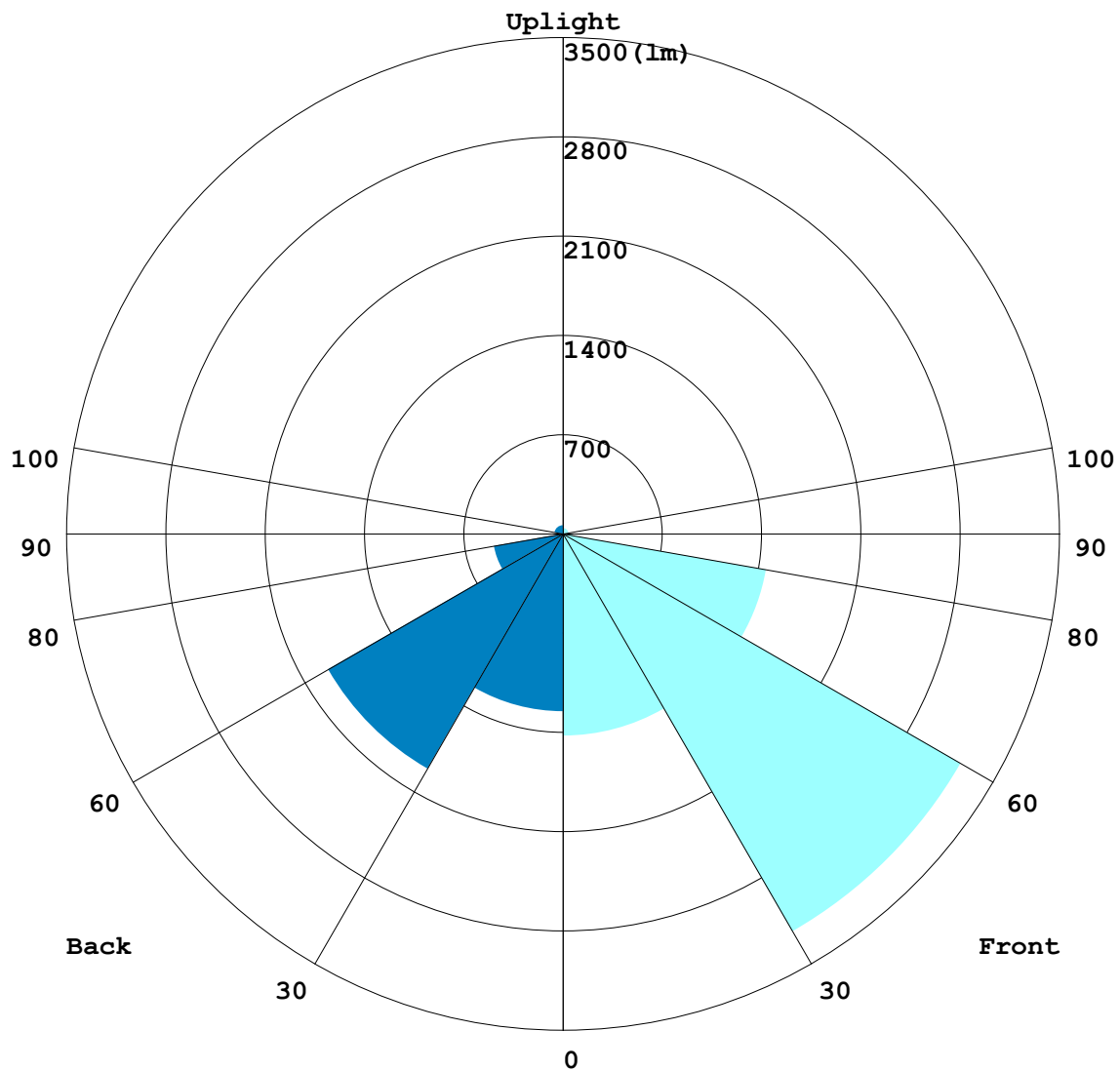
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-08-13

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:275.20V I:0.2945A P:80.632W PF:0.9949 Freq:60.00Hz Lamp Flux:9975.46x1 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:275.20V I:0.2945A P:80.632W PF:0.9949 Freq:60.00Hz Lamp Flux:9975.46x1 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)	1423.8	14.3
FM - Front-Medium(30-60)	3237.9	32.5
FH - Front-High(60-80)	1454.3	14.6
FVH - Front-Very High(80-90)	71.437	0.7
Total Forward Light	6232.1	62.5

BL - Back-Low(0-30)	1251.6	12.5
BM - Back-Medium(30-60)	1912.7	19.2
BH - Back-High(60-80)	494.19	5.0
BVH - Back-Very High(80-90)	17.968	0.2
Total Back Light	3743.3	37.5

UL - Uplight-Low(90-100)	7.1815	0.1
UH - Uplight-High(100-180)	104.35	1.0
Total Up Light	111.53	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3676.4	66.903	3743.3
Street Side	6187.5	44.624	6232.1

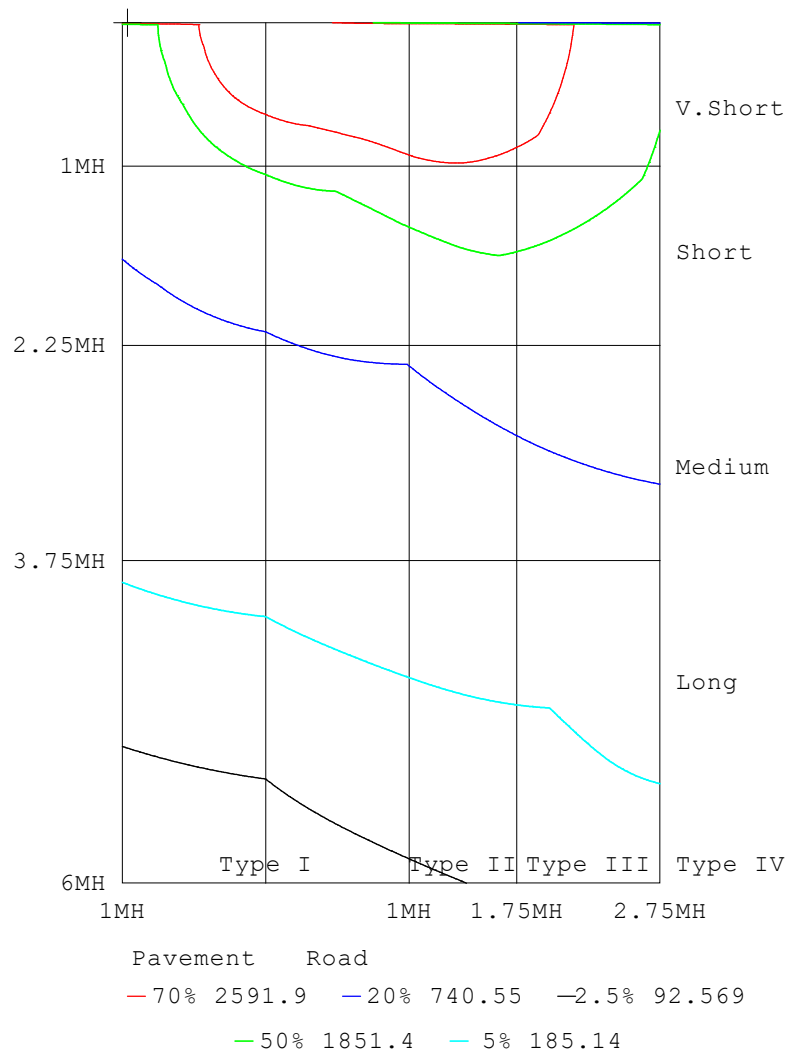
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-08-13

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:

ROAD ISOCANDELA REPORT

Test:U:275.20V I:0.2945A P:80.632W PF:0.9949 Freq:60.00Hz Lamp Flux:9975.46x1 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:275.20V I:0.2945A P:80.632W PF:0.9949 Freq:60.00Hz Lamp Flux:9975.46x1 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	3490	3490	3490	3490	3490	3490	3490	3490	3490	3490	3490	3490	3490	3490	3490	3490			
5	3445	3479	3506	3531	3542	3549	3537	3518	3496	3464	3437	3412	3399	3396	3406	3425			
10	3365	3431	3487	3541	3568	3576	3547	3509	3466	3401	3347	3295	3268	3265	3286	3323			
15	3249	3348	3441	3529	3573	3578	3529	3464	3400	3304	3217	3131	3088	3078	3125	3185			
20	3099	3235	3365	3500	3571	3565	3482	3386	3298	3166	3045	2919	2859	2852	2922	3013			
25	2918	3087	3269	3470	3573	3551	3417	3276	3161	2997	2828	2664	2587	2584	2682	2806			
30	2709	2919	3155	3443	3596	3539	3333	3136	2991	2790	2579	2376	2287	2284	2408	2572			
35	2474	2715	3030	3437	3643	3545	3236	2968	2792	2556	2303	2077	1961	1979	2095	2307			
40	2216	2494	2898	3439	3689	3566	3133	2772	2564	2293	1991	1782	1683	1688	1797	2026			
45	1943	2242	2766	3423	3696	3561	3029	2551	2318	2013	1701	1531	1460	1445	1507	1735			
50	1660	1960	2625	3371	3657	3520	2914	2311	2029	1728	1427	1315	1260	1234	1251	1449			
55	1364	1660	2471	3227	3463	3403	2782	2022	1747	1446	1186	1110	1068	1029	1024	1177			
60	1054	1338	2273	2930	3110	3127	2613	1719	1451	1174	967	899	771	784	807	902			
65	748	992	1977	2500	2597	2722	2355	1397	1138	898	753	594	534	509	591	652			
70	477	664	1527	1929	1951	2160	1979	1053	829	648	510	386	345	320	334	426			
75	242	371	1030	1284	1238	1516	1479	719	540	419	279	207	145	134	161	223			
80	73.1	146	507	351	339	835	935	416	288	216	121	31.0	12.8	10.6	18.7	58.5			
85	5.17	7.89	13.1	16.1	65.5	140	189	169	95.7	53.1	9.84	7.05	7.19	7.59	6.94	5.74			
90	4.64	3.58	2.97	2.75	3.33	4.35	5.46	6.48	7.45	5.41	6.52	7.99	8.80	9.25	8.13	6.14			
95	6.30	4.88	4.09	3.42	3.12	2.98	3.14	3.54	4.08	5.90	8.32	10.7	11.8	12.1	10.5	8.12			
100	8.18	6.41	5.45	4.62	4.26	4.09	4.31	4.82	5.59	7.82	10.6	13.5	15.0	15.1	13.0	10.2			
105	10.3	8.17	7.03	6.03	5.62	5.42	5.71	6.36	7.35	9.93	13.0	16.3	18.1	17.9	15.5	12.6			
110	12.5	10.2	8.79	7.63	7.16	6.94	7.33	8.09	9.35	12.2	15.5	19.0	20.9	20.6	18.0	15.0			
115	14.9	12.3	10.7	9.44	8.88	8.68	9.14	10.0	11.5	14.7	18.1	21.7	23.8	23.4	20.8	17.6			
120	17.3	14.5	12.9	11.5	10.8	10.7	11.1	12.1	13.8	17.3	20.7	24.4	26.5	26.1	23.4	20.1			
125	19.7	16.8	15.1	13.7	13.0	12.8	13.3	14.4	16.2	19.8	23.3	26.9	28.9	28.5	25.8	22.3			
130	21.9	19.0	17.3	15.9	15.2	15.0	15.5	16.5	18.5	22.1	25.7	29.0	30.8	30.4	27.7	24.3			
135	23.9	21.1	19.6	18.1	17.5	17.2	17.6	18.7	20.8	24.3	27.8	30.7	32.2	32.0	29.4	26.1			
140	25.7	23.1	21.6	20.3	19.8	19.4	19.8	20.8	22.9	26.3	29.7	32.3	33.5	33.2	30.9	27.9			
145	27.3	25.0	23.7	22.5	22.0	21.6	21.9	22.8	24.9	27.9	31.1	33.5	34.4	34.1	32.1	29.3			
150	28.7	26.8	25.7	24.6	24.1	23.8	24.0	24.8	26.8	29.3	32.2	34.6	35.3	34.9	33.2	30.7			
155	30.2	28.5	27.6	26.6	26.3	25.9	26.0	26.7	28.6	30.5	33.0	35.2	35.8	35.5	34.1	31.8			
160	31.6	30.2	29.4	28.6	28.3	27.9	27.9	28.6	30.1	31.5	33.4	35.4	36.0	35.7	34.5	32.5			
165	32.9	31.8	31.1	30.4	30.2	29.9	29.8	30.5	31.6	32.4	33.8	35.4	35.8	35.7	34.7	33.2			
170	34.1	33.3	32.8	32.2	32.0	31.8	31.8	32.2	33.1	33.4	34.3	35.4	35.7	35.7	35.0	33.9			
175	34.8	34.2	33.9	33.6	33.6	33.5	33.3	33.4	34.4	34.2	34.6	35.3	35.3	35.4	35.0	34.2			
180	35.0	34.6	34.9	34.9	35.0	34.9	34.4	34.3	35.2	34.6	34.6	35.1	35.0	35.0	34.8	34.0			

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: