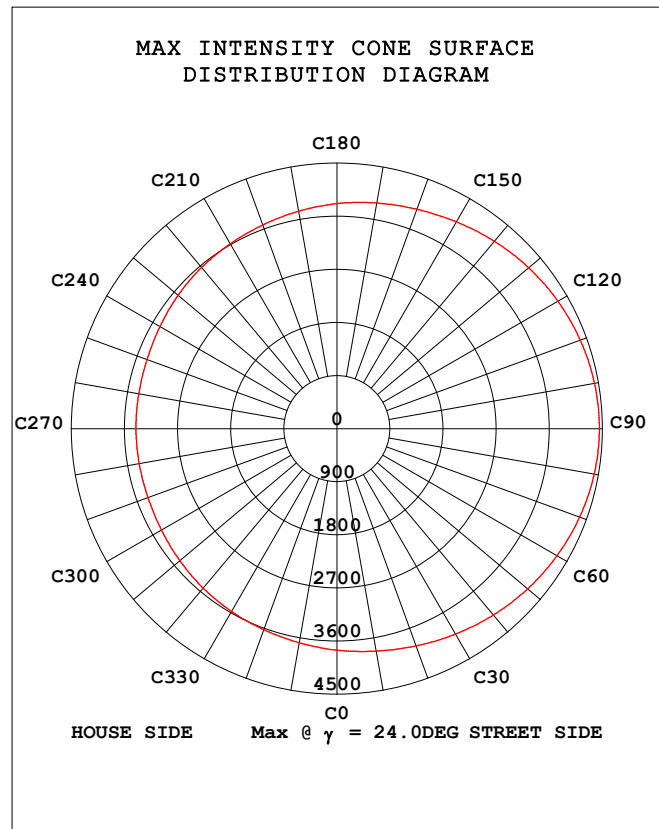
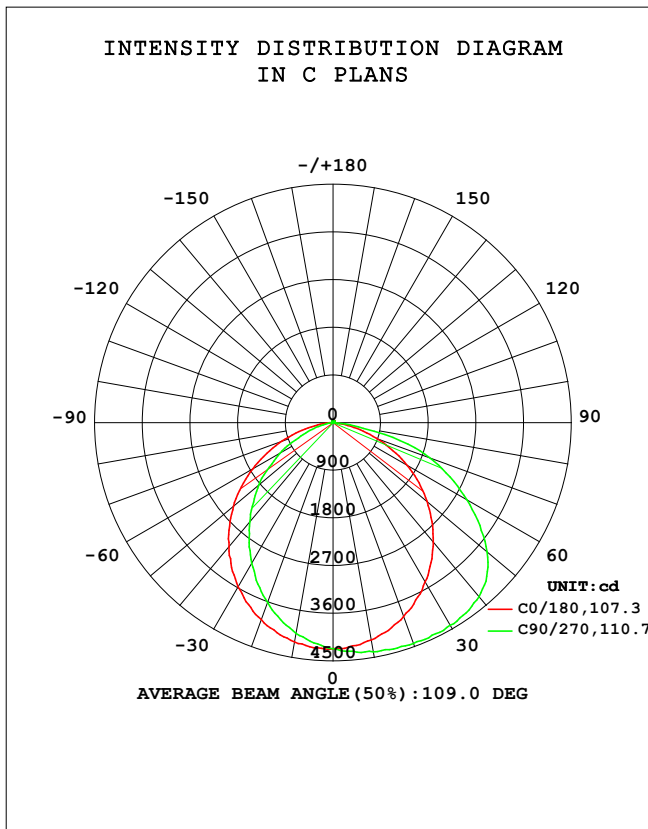


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.47V I:0.2947A P:80.212W PF:0.9881 Freq:60.00Hz Lamp Flux:12364.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.15 lm/W			
MODEL		I _{max} (cd)	4447	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	59.3
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	12364	η house_up (%)	0.6
NOMINAL FLUX (lm)	12364.4	MAXIMUM @ (C, γ)	90, 24.0	η house_down (%)	39.6
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

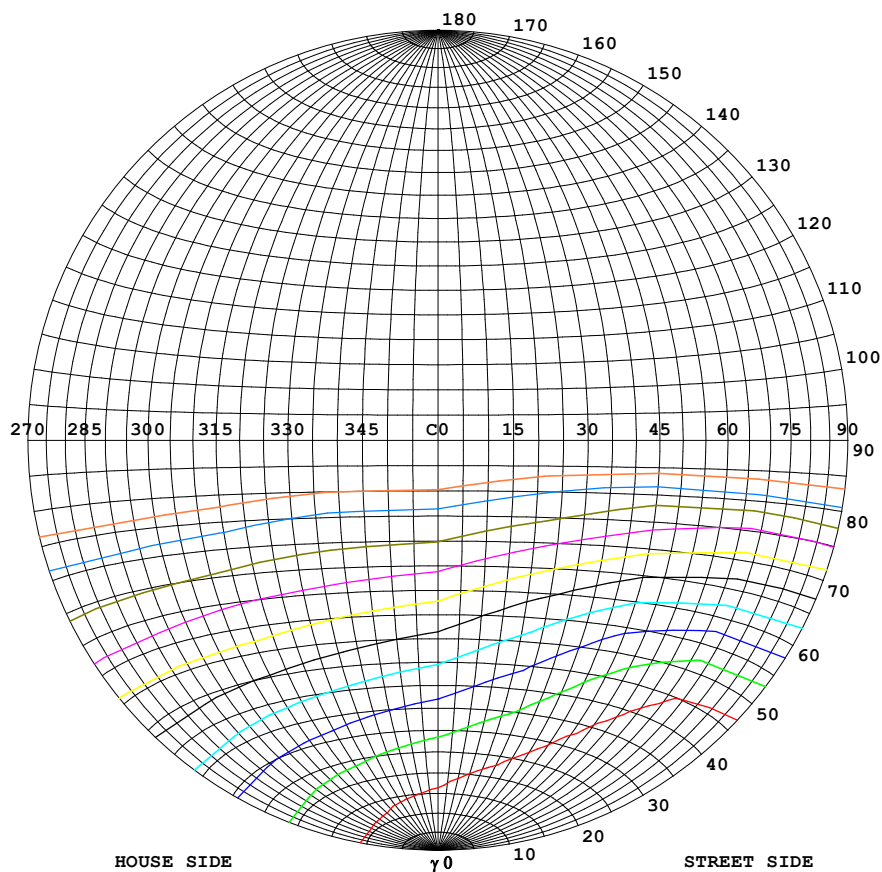


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.47V I:0.2947A P:80.212W PF:0.9881 Freq:60.00Hz Lamp Flux:12364.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

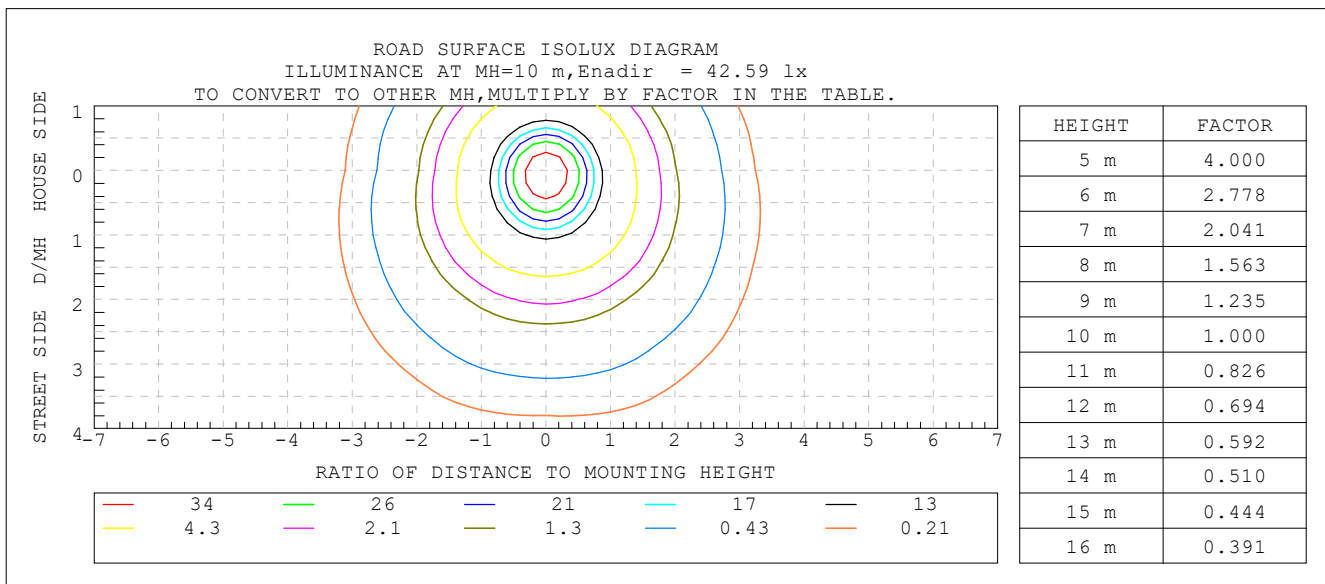
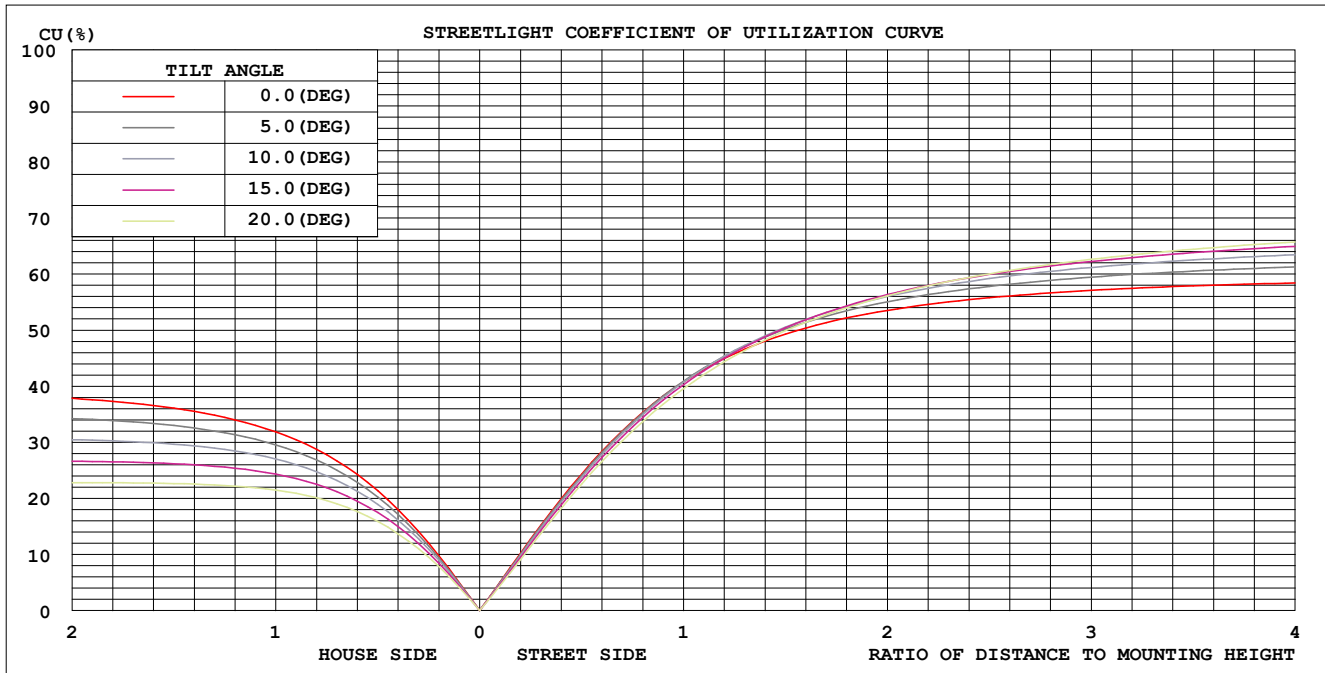
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:63.21cd/klm
Max.At90:0.7257cd/klm
Max.80-90:63.21cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4447
90%	4003
80%	3558
70%	3113
60%	2668
50%	2224
40%	1779
30%	1334
20%	889
10%	445
5%	222

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

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: 2025-07-18

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:275.47V I:0.2947A P:80.212W PF:0.9881 Freq:60.00Hz Lamp Flux:12364.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

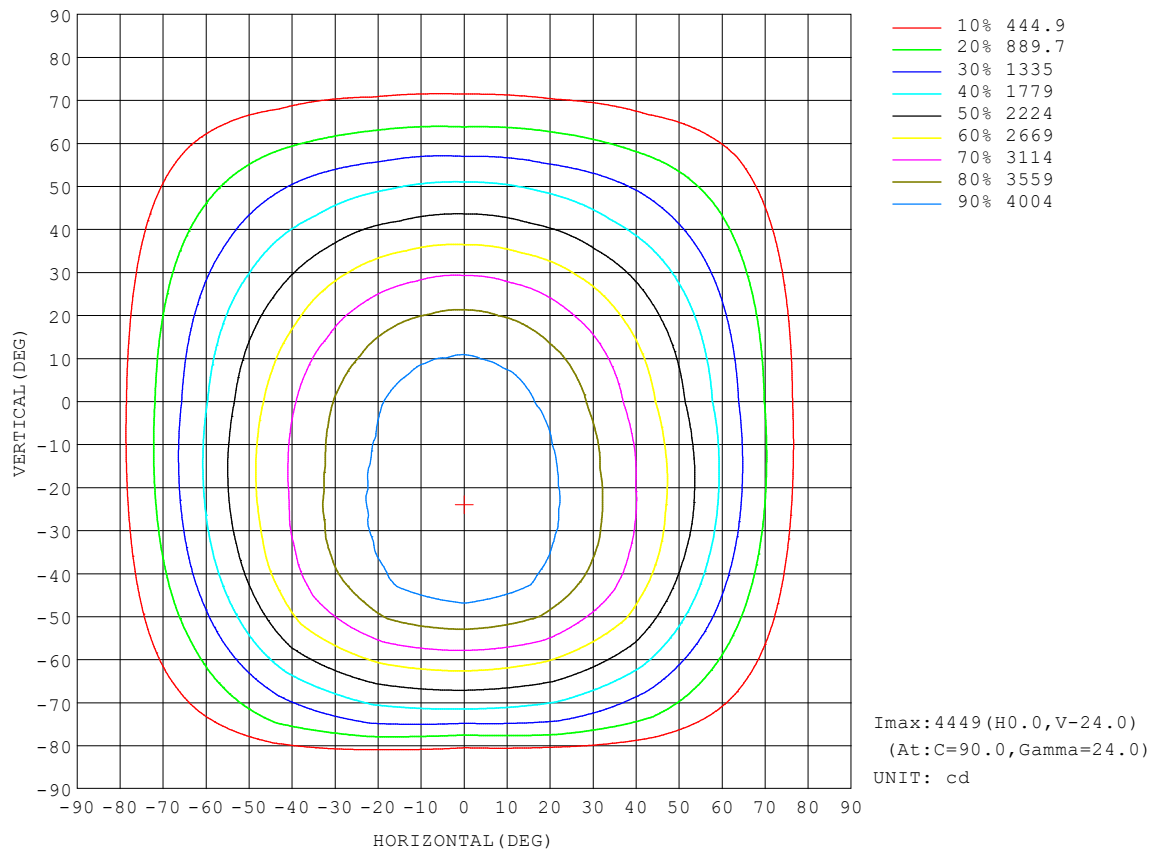
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	4170	4320	4394	4323	4207	4093	4036	4071	0- 10	403.6	403.6	3.26,3.26
20	3899	4232	4440	4257	3958	3727	3614	3693	10- 20	1157	1561	12.6,12.6
30	3478	4061	4420	4074	3585	3237	3076	3191	20- 30	1760	3321	26.9,26.9
40	2949	3795	4292	3823	3062	2631	2447	2575	30- 40	2142	5463	44.2,44.2
50	2318	3338	3794	3387	2458	1970	1834	1920	40- 50	2256	7719	62.4,62.4
60	1622	2651	2926	2736	1757	1366	1161	1311	50- 60	2053	9772	79,79
70	877.6	1685	1938	1786	1023	727.5	510.1	664.3	60- 70	1529	11301	91.4,91.4
80	234.4	666.0	484.8	781.6	355.3	169.6	95.08	125.0	70- 80	805.5	12107	97.9,97.9
90	5.754	4.113	4.206	5.075	6.230	7.720	8.748	8.442	80- 90	122.3	12229	98.9,98.9
100	9.991	7.235	6.249	7.163	9.045	13.02	14.94	13.93	90-100	8.685	12238	99,99
110	15.21	11.43	10.23	11.40	14.02	18.80	21.32	19.73	100-110	13.39	12251	99.1,99.1
120	20.87	16.26	14.97	16.31	19.68	25.03	28.00	26.04	110-120	17.90	12269	99.2,99.2
130	26.44	21.58	20.30	21.64	25.33	30.85	33.52	31.51	120-130	21.21	12290	99.4,99.4
140	30.73	26.31	25.14	26.31	29.99	34.93	37.23	35.41	130-140	22.10	12313	99.6,99.6
150	34.38	30.78	29.71	30.76	33.76	37.69	39.44	37.90	140-150	20.41	12333	99.7,99.7
160	37.89	35.04	34.24	34.96	37.19	39.65	40.64	39.65	150-160	16.53	12350	99.9,99.9
170	40.91	38.85	38.41	39.13	40.58	41.23	41.55	41.32	160-170	10.93	12360	100,100
180	42.41	41.48	41.84	41.92	42.61	41.60	41.51	41.80	170-180	3.899	12364	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:2025-07-18

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

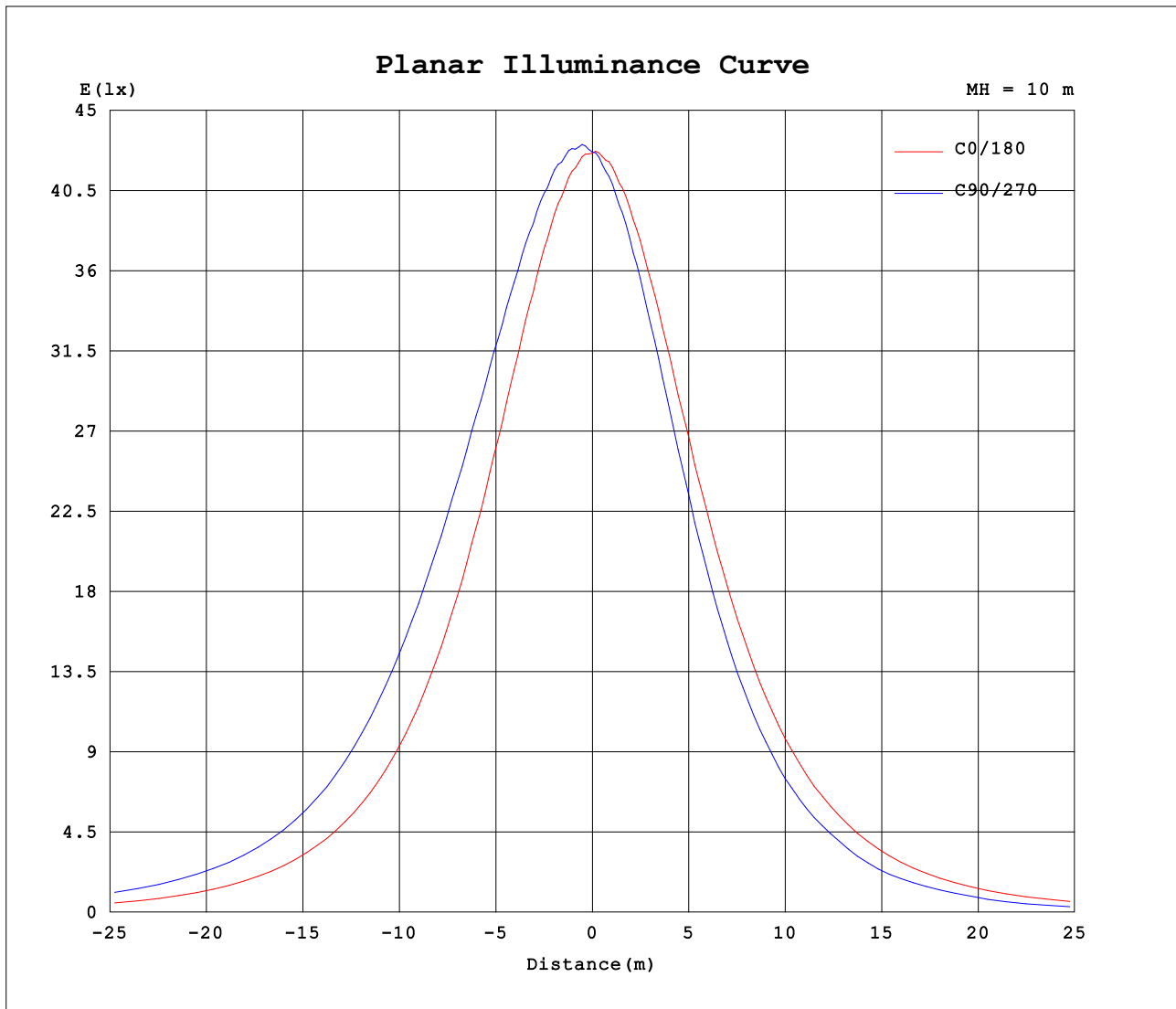
Test:U:275.47V I:0.2947A P:80.212W PF:0.9881 Freq:60.00Hz Lamp Flux:12364.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

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



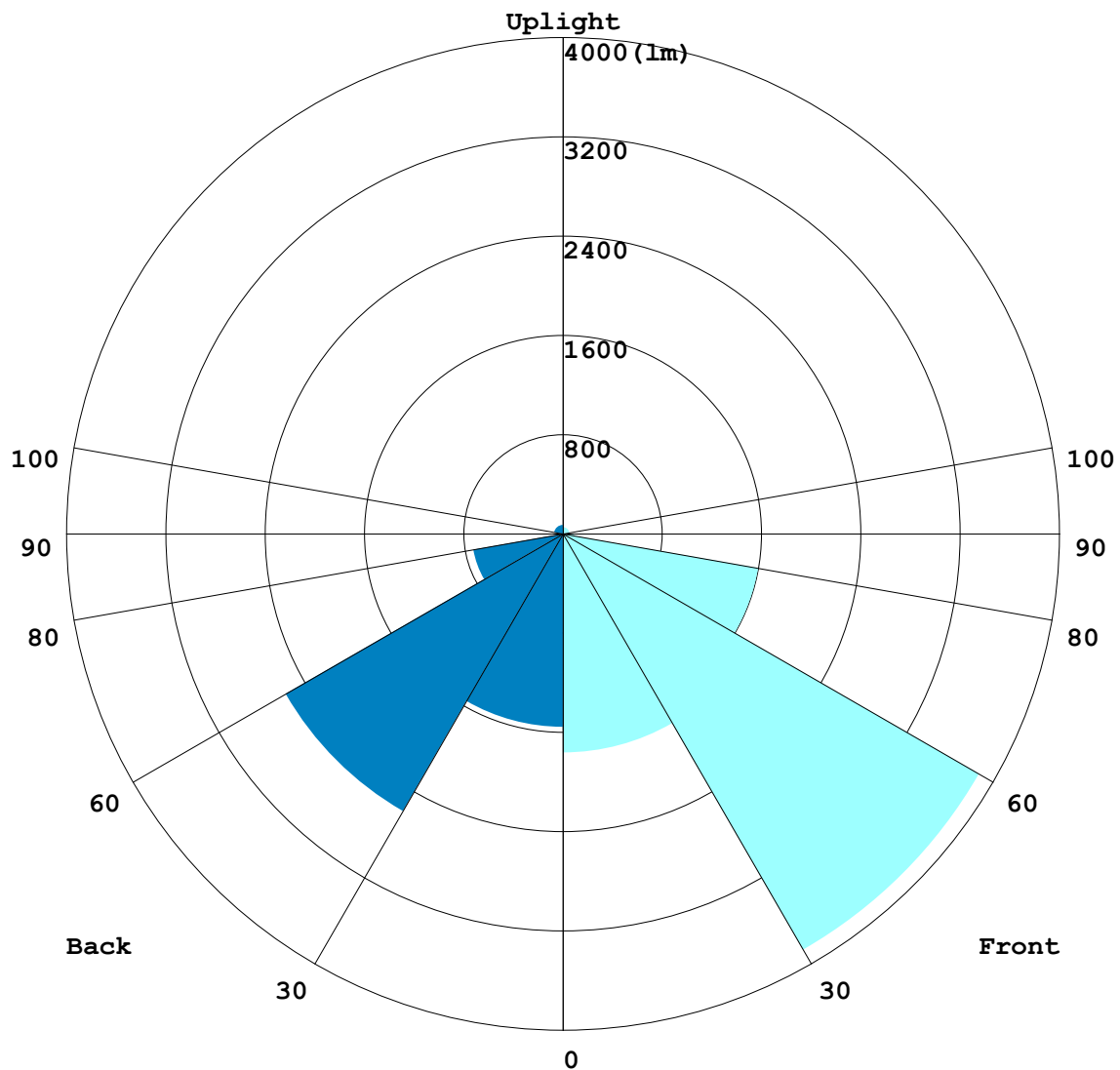
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.47V I:0.2947A P:80.212W PF:0.9881 Freq:60.00Hz Lamp Flux:12364.4x1 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:2025-07-18

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:275.47V I:0.2947A P:80.212W PF:0.9881 Freq:60.00Hz Lamp Flux:12364.4x1 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)	1762.7	14.3
FM - Front-Medium(30-60)	3870.6	31.3
FH - Front-High(60-80)	1600.7	12.9
FVH - Front-Very High(80-90)	93.334	0.8
Total Forward Light	7384.7	59.7

BL - Back-Low(0-30)	1557.9	12.6
BM - Back-Medium(30-60)	2581.3	20.9
BH - Back-High(60-80)	733.86	5.9
BVH - Back-Very High(80-90)	29.006	0.2
Total Back Light	4979.6	40.3

UL - Uplight-Low(90-100)	8.685	0.1
UH - Uplight-High(100-180)	126.36	1.0
Total Up Light	135.05	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4902	77.637	4979.6
Street Side	7327.3	57.411	7384.7

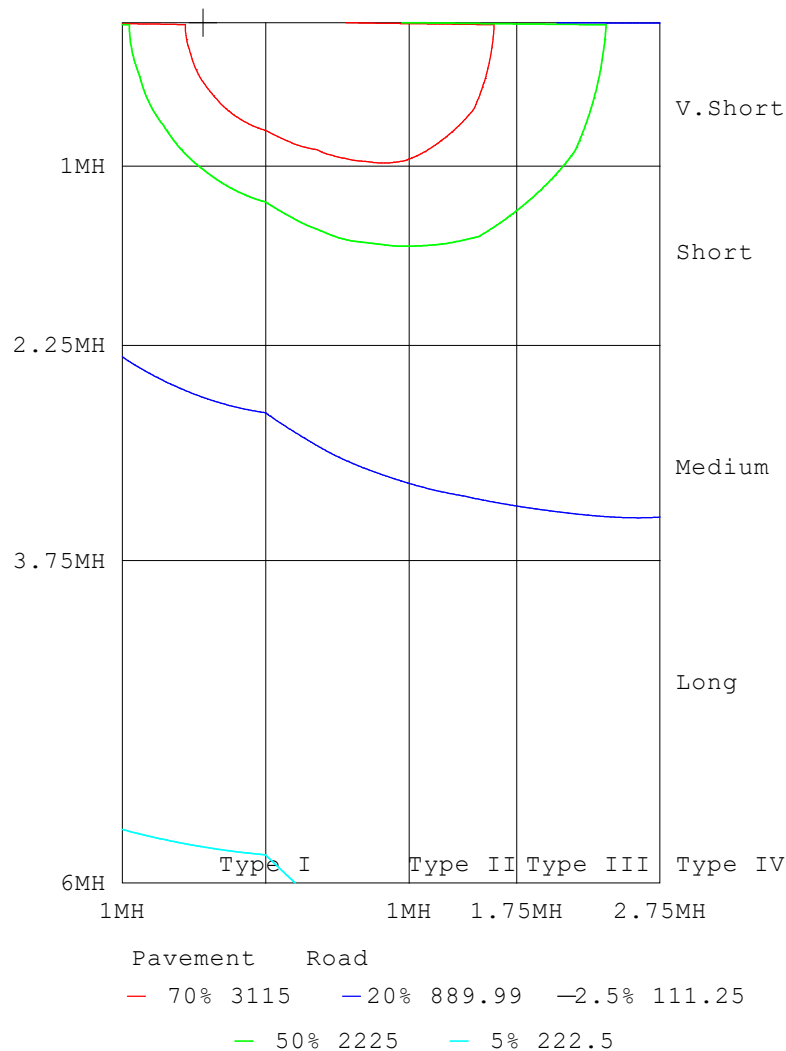
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.47V I:0.2947A P:80.212W PF:0.9881 Freq:60.00Hz Lamp Flux:12364.4x1 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:2025-07-18

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:275.47V I:0.2947A P:80.212W PF:0.9881 Freq:60.00Hz Lamp Flux:12364.4x1 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	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265			
5	4231	4271	4308	4319	4331	4318	4302	4267	4267	4209	4200	4171	4176	4170	4195	4212			
10	4170	4226	4320	4344	4394	4355	4323	4247	4207	4111	4093	4024	4036	4028	4071	4118			
15	4059	4151	4296	4367	4426	4389	4307	4190	4105	3989	3933	3844	3848	3839	3903	3965			
20	3899	4054	4232	4374	4440	4387	4257	4089	3958	3821	3727	3632	3614	3617	3693	3780			
25	3698	3915	4149	4354	4430	4365	4168	3944	3786	3617	3493	3385	3360	3370	3459	3580			
30	3478	3739	4061	4310	4420	4317	4074	3768	3585	3365	3237	3098	3076	3081	3191	3331			
35	3229	3525	3945	4244	4387	4265	3967	3581	3341	3091	2941	2787	2766	2769	2892	3051			
40	2949	3304	3795	4150	4292	4175	3823	3366	3062	2804	2631	2472	2447	2450	2575	2743			
45	2642	3067	3585	3986	4108	4013	3630	3121	2763	2494	2308	2167	2124	2144	2250	2430			
50	2318	2795	3338	3713	3794	3751	3387	2849	2458	2177	1970	1871	1834	1849	1920	2113			
55	1984	2487	3042	3317	3385	3367	3104	2554	2113	1845	1668	1561	1470	1530	1613	1785			
60	1622	2116	2651	2866	2926	2922	2736	2209	1757	1519	1366	1192	1161	1169	1311	1450			
65	1245	1715	2187	2402	2444	2456	2286	1813	1386	1189	1019	870	785	843	955	1116			
70	878	1278	1685	1908	1938	1961	1786	1382	1023	866	727	546	510	523	664	801			
75	532	831	1193	1400	1308	1463	1286	934	674	569	396	316	282	294	349	496			
80	234	434	666	534	485	630	782	526	355	284	170	105	95.1	91.4	125	217			
85	35.4	90.5	94.9	91.1	70.5	110	213	173	102	68.8	17.5	7.93	7.59	7.93	8.67	31.5			
90	5.75	4.61	4.11	4.14	4.21	4.69	5.08	5.49	6.23	6.57	7.72	8.48	8.75	8.97	8.44	7.15			
95	7.73	6.28	5.46	4.76	4.60	4.77	5.40	6.18	6.87	8.59	10.3	11.3	11.7	11.9	11.1	9.44			
100	9.99	8.21	7.23	6.40	6.25	6.40	7.16	8.12	9.05	11.0	13.0	14.4	14.9	15.0	13.9	12.0			
105	12.5	10.4	9.23	8.29	8.14	8.34	9.18	10.3	11.5	13.7	15.9	17.4	18.1	18.0	16.7	14.7			
110	15.2	12.7	11.4	10.4	10.2	10.5	11.4	12.7	14.0	16.5	18.8	20.4	21.3	21.1	19.7	17.5			
115	18.0	15.3	13.8	12.7	12.5	12.8	13.8	15.3	16.8	19.6	21.9	23.7	24.6	24.5	22.9	20.5			
120	20.9	18.0	16.3	15.2	15.0	15.3	16.3	17.9	19.7	22.7	25.0	27.1	28.0	27.9	26.0	23.7			
125	23.8	20.7	18.9	17.7	17.6	17.8	19.0	20.6	22.6	25.5	28.1	29.9	31.1	30.8	29.0	26.5			
130	26.4	23.3	21.6	20.3	20.3	20.5	21.6	23.4	25.3	28.2	30.9	32.4	33.5	33.2	31.5	29.0			
135	28.8	25.7	24.0	22.8	22.8	23.0	24.1	25.8	27.7	30.6	33.1	34.6	35.4	35.3	33.6	31.0			
140	30.7	28.0	26.3	25.1	25.1	25.2	26.3	28.0	30.0	32.6	34.9	36.4	37.2	37.1	35.4	33.0			
145	32.7	30.1	28.7	27.4	27.5	27.5	28.6	30.1	32.0	34.3	36.6	37.8	38.6	38.4	36.8	34.5			
150	34.4	32.3	30.8	29.7	29.7	29.8	30.8	32.1	33.8	35.8	37.7	38.8	39.4	39.3	37.9	36.0			
155	36.2	34.2	32.9	31.8	32.1	32.1	32.9	34.1	35.4	37.2	38.7	39.6	40.0	39.9	38.7	37.1			
160	37.9	36.1	35.0	33.9	34.2	34.2	35.0	36.0	37.2	38.3	39.7	40.1	40.6	40.5	39.7	38.3			
165	39.5	38.0	37.0	36.0	36.4	36.4	37.1	37.8	38.8	39.5	40.5	40.8	41.1	41.1	40.4	39.4			
170	40.9	39.9	38.8	38.0	38.4	38.5	39.1	39.5	40.6	40.5	41.2	41.3	41.6	41.7	41.3	40.7			
175	42.0	41.1	40.4	39.7	40.3	40.2	40.8	40.8	42.0	41.6	41.9	41.6	41.8	42.0	41.9	41.5			
180	42.4	41.8	41.5	41.3	41.8	41.6	41.9	41.6	42.6	41.7	41.6	41.4	41.5	41.9	41.8	41.6			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-18

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: