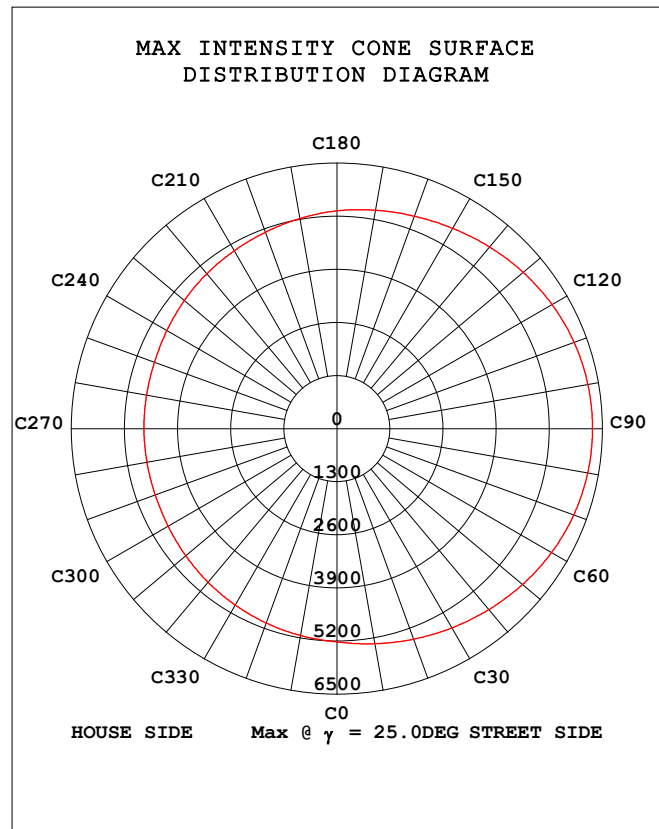
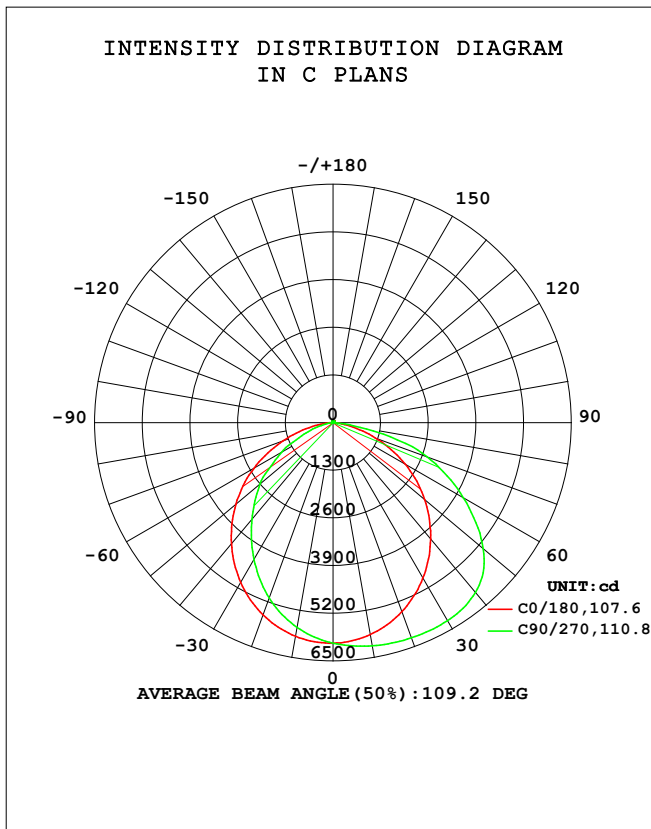


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.36V I:0.4249A P:116.39W PF:0.9946 Freq:60.00Hz Lamp Flux:17438.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.83 lm/W			
MODEL		Imax (cd)	6255	η street_up (%)	0.5
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	59.3
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	17439	η house_up (%)	0.6
NOMINAL FLUX (lm)	17438.8	MAXIMUM @ (C, γ)	90, 25.0	η house_down (%)	39.6
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

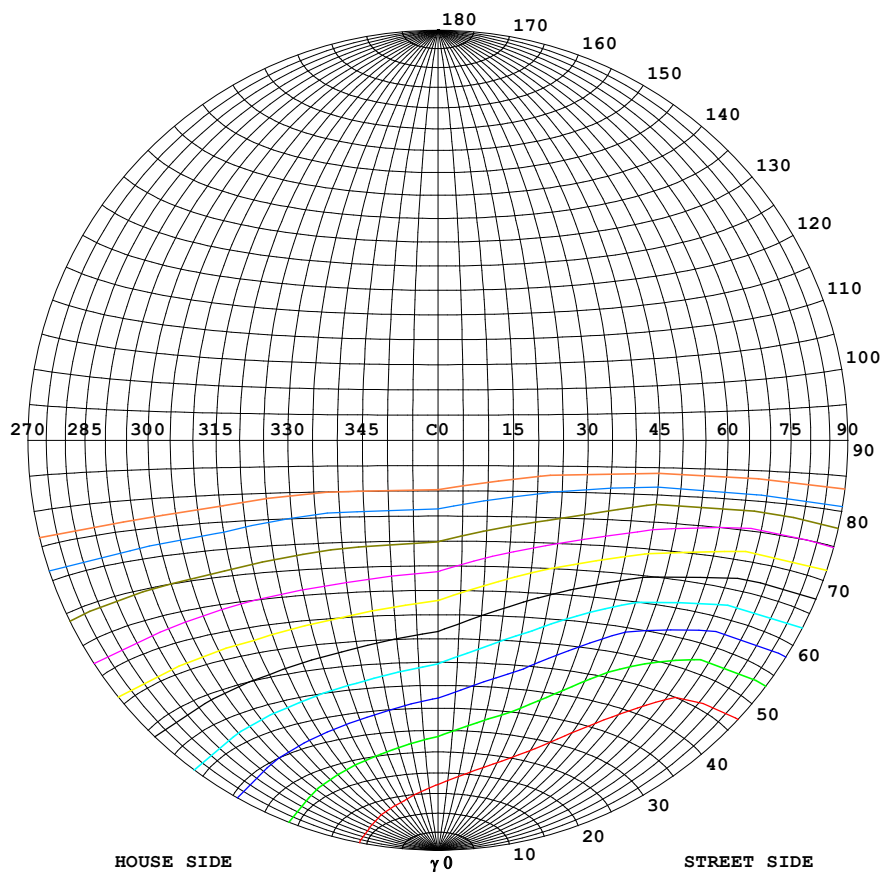


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.36V I:0.4249A P:116.39W PF:0.9946 Freq:60.00Hz Lamp Flux:17438.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

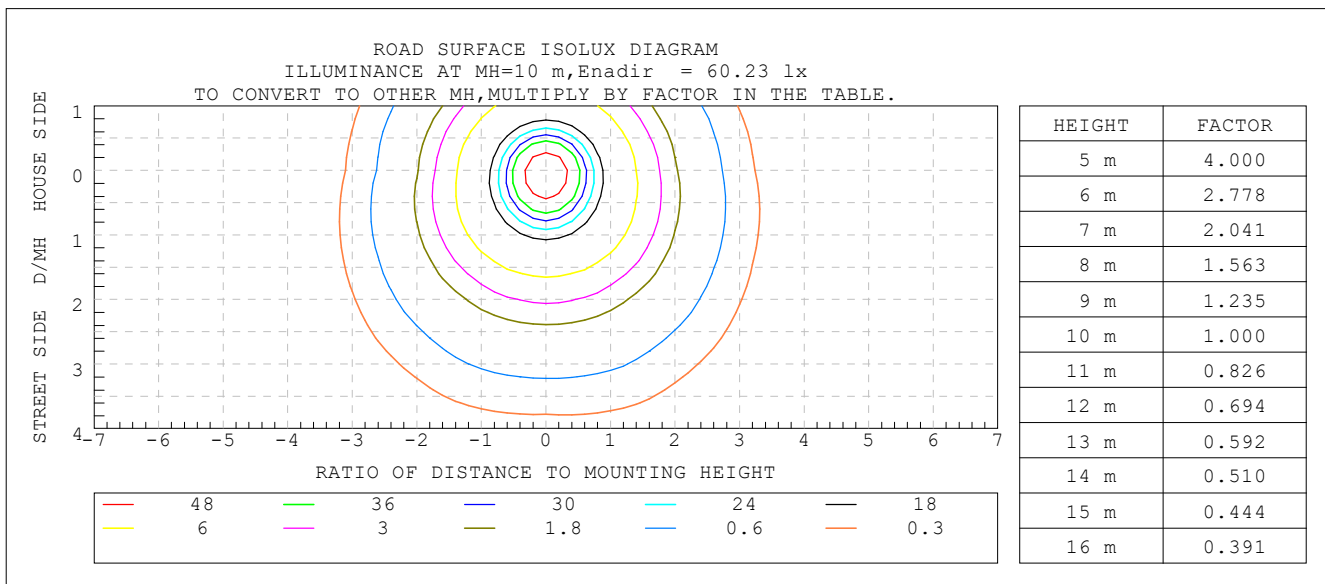
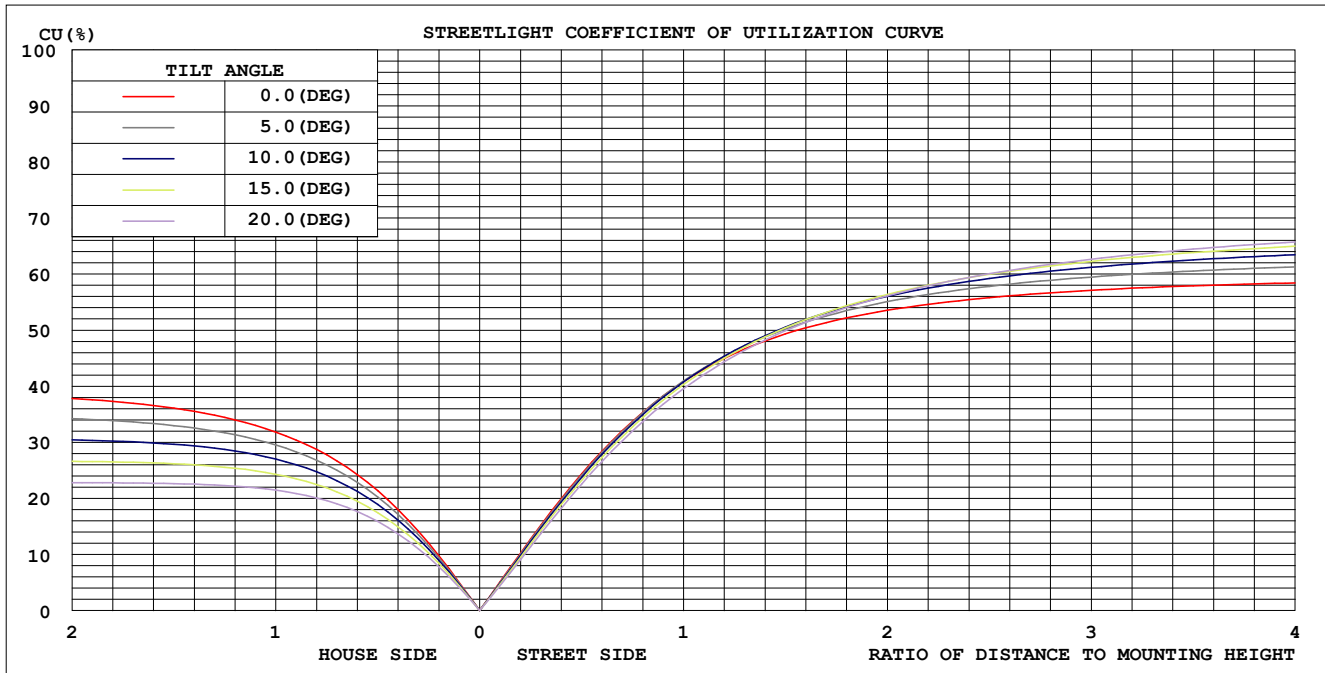
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:63.35cd/klm
Max.At90:0.7135cd/klm
Max.80-90:63.35cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6255
90%	5630
80%	5004
70%	4379
60%	3753
50%	3128
40%	2502
30%	1877
20%	1251
10%	626
5%	313

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:275.36V I:0.4249A P:116.39W PF:0.9946 Freq:60.00Hz Lamp Flux:17438.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

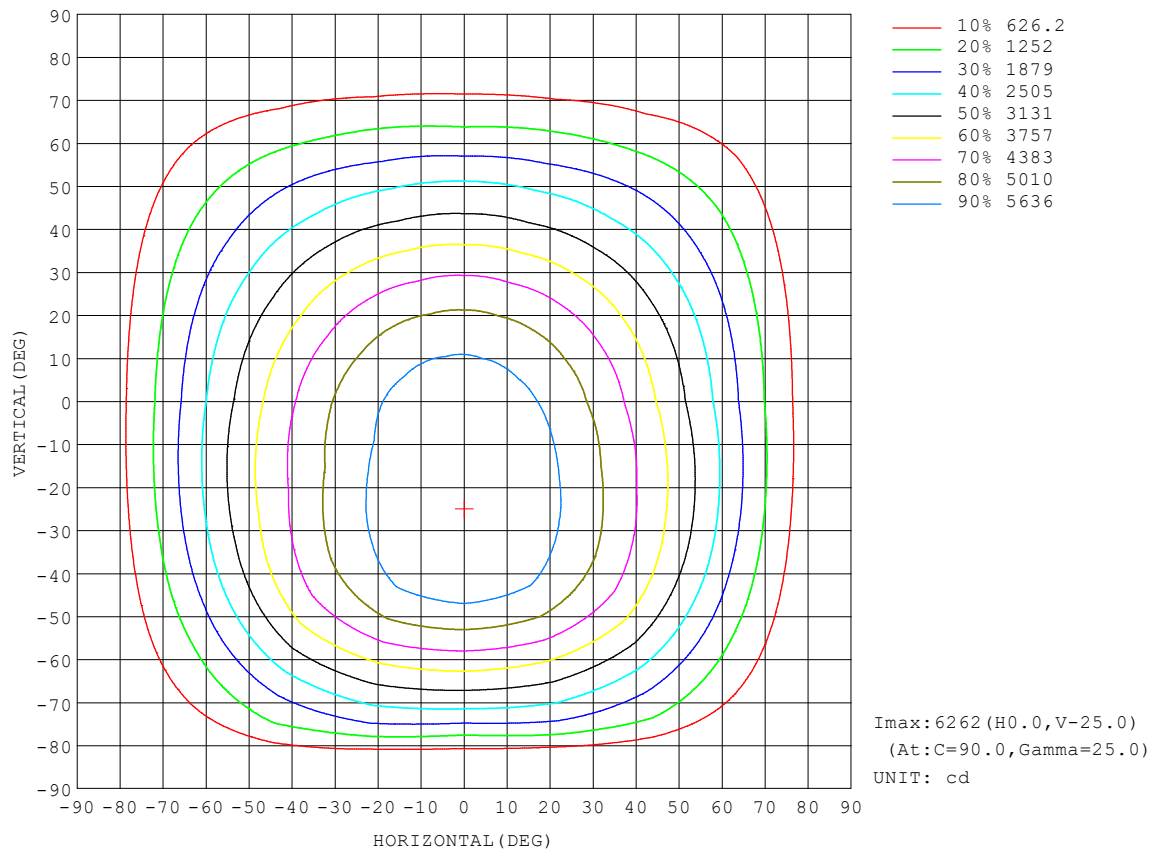
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5867	6076	6179	6087	5915	5749	5670	5729	0- 10	568.9	568.9	3.26,3.26
20	5487	5963	6248	5989	5581	5253	5096	5211	10- 20	1631	2200	12.6,12.6
30	4901	5721	6240	5753	5041	4545	4316	4486	20- 30	2481	4681	26.8,26.8
40	4144	5334	6046	5385	4312	3696	3439	3629	30- 40	3020	7701	44.2,44.2
50	3268	4714	5352	4789	3460	2796	2599	2722	40- 50	3183	10884	62.4,62.4
60	2278	3727	4108	3850	2497	1915	1631	1843	50- 60	2897	13781	79,79
70	1233	2376	2724	2513	1446	1025	718.7	943.3	60- 70	2159	15939	91.4,91.4
80	327.6	912.6	754.6	1105	501.5	246.2	133.7	187.1	70- 80	1137	17076	97.9,97.9
90	8.178	5.933	5.866	6.891	8.773	11.09	12.34	11.60	80- 90	173.0	17249	98.9,98.9
100	14.21	10.40	8.673	9.751	12.74	18.70	21.04	19.03	90-100	12.20	17262	99,99
110	21.58	16.42	14.24	15.53	19.72	27.02	30.14	27.05	100-110	18.78	17280	99.1,99.1
120	29.69	23.40	20.91	22.23	27.67	36.01	39.49	35.66	110-120	25.10	17306	99.2,99.2
130	37.46	30.95	28.23	29.44	35.60	44.22	47.26	43.19	120-130	29.73	17335	99.4,99.4
140	43.64	37.78	35.04	35.82	42.14	50.20	52.47	48.48	130-140	30.99	17366	99.6,99.6
150	48.83	44.17	41.41	41.93	47.50	54.22	55.62	51.91	140-150	28.61	17395	99.7,99.7
160	53.61	50.15	47.59	47.52	52.27	56.91	57.27	54.31	150-160	23.16	17418	99.9,99.9
170	57.97	55.64	53.45	53.28	56.99	59.25	58.46	56.45	160-170	15.32	17433	100,100
180	60.14	59.46	58.10	56.93	59.80	59.73	58.43	57.15	170-180	5.463	17439	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

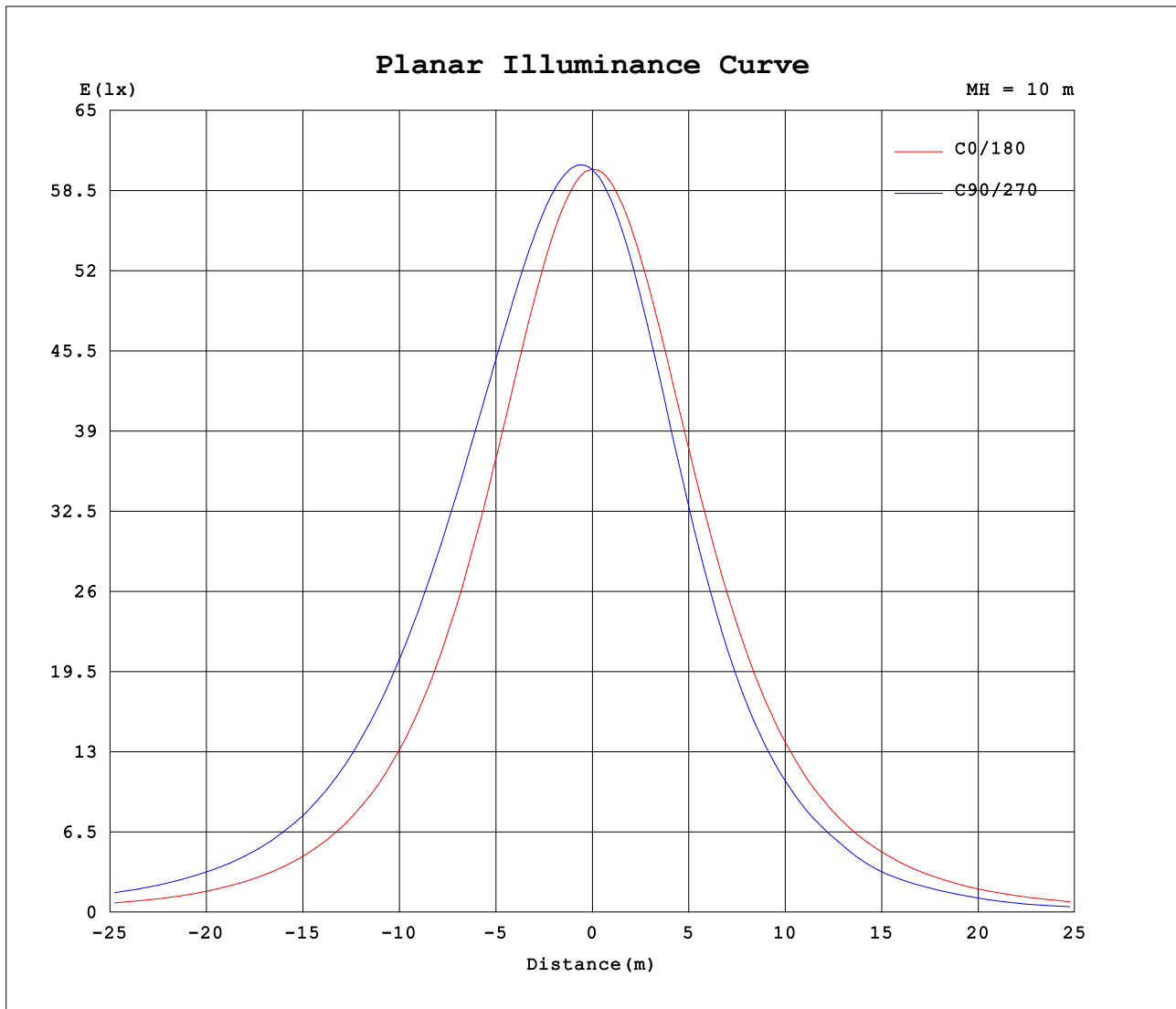
Test:U:275.36V I:0.4249A P:116.39W PF:0.9946 Freq:60.00Hz Lamp Flux:17438.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



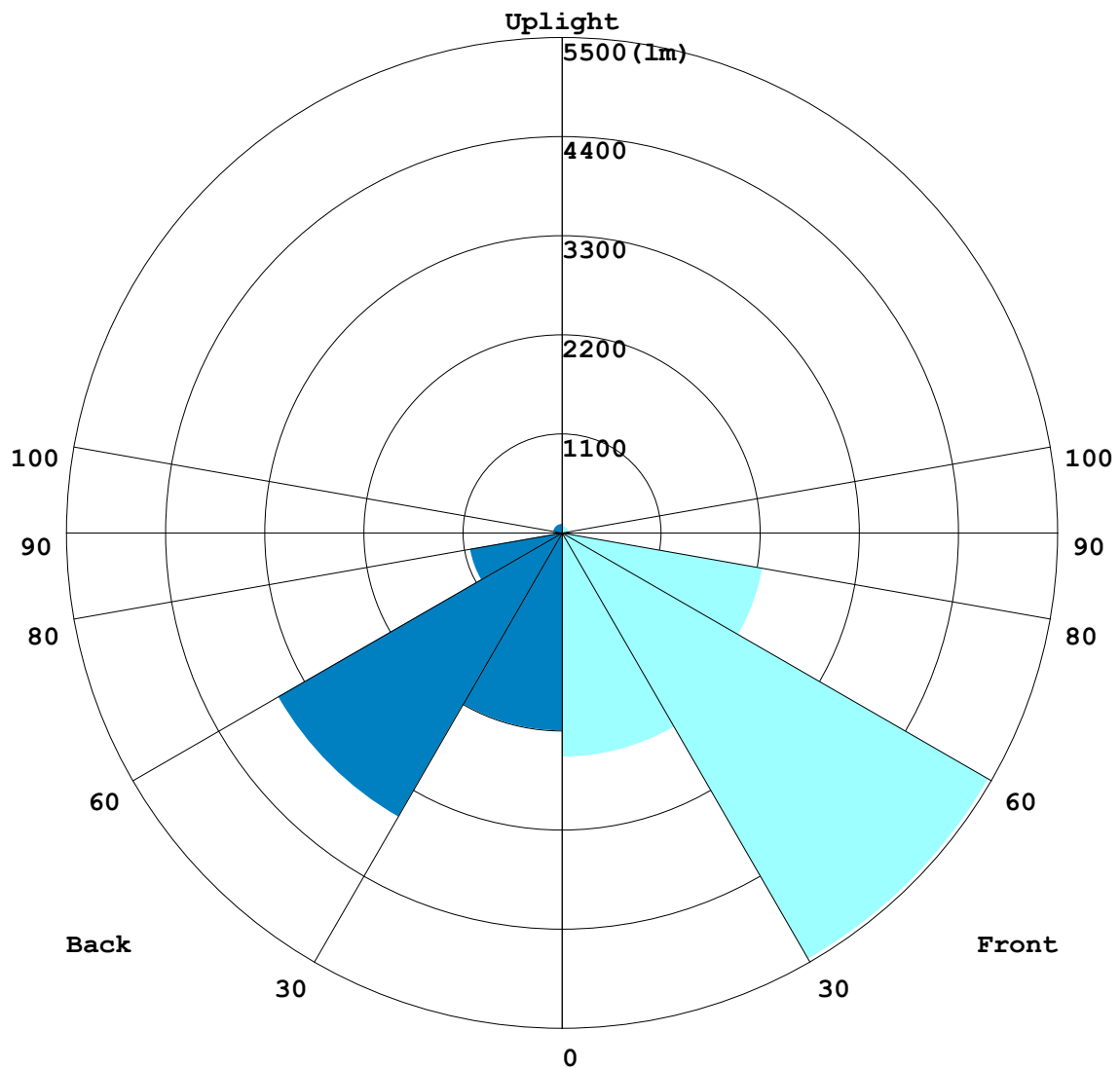
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.36V I:0.4249A P:116.39W PF:0.9946 Freq:60.00Hz Lamp Flux:17438.8x1 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:275.36V I:0.4249A P:116.39W PF:0.9946 Freq:60.00Hz Lamp Flux:17438.8x1 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)	2485.6	14.3
FM - Front-Medium(30-60)	5460.3	31.3
FH - Front-High(60-80)	2258.9	13.0
FVH - Front-Very High(80-90)	131.87	0.8
Total Forward Light	10417	59.7

BL - Back-Low(0-30)	2194.9	12.6
BM - Back-Medium(30-60)	3640	20.9
BH - Back-High(60-80)	1036.7	5.9
BVH - Back-Very High(80-90)	41.104	0.2
Total Back Light	7021.7	40.3

UL - Uplight-Low(90-100)	12.202	0.1
UH - Uplight-High(100-180)	177.15	1.0
Total Up Light	189.35	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6912.7	108.91	7021.7
Street Side	10337	80.44	10417

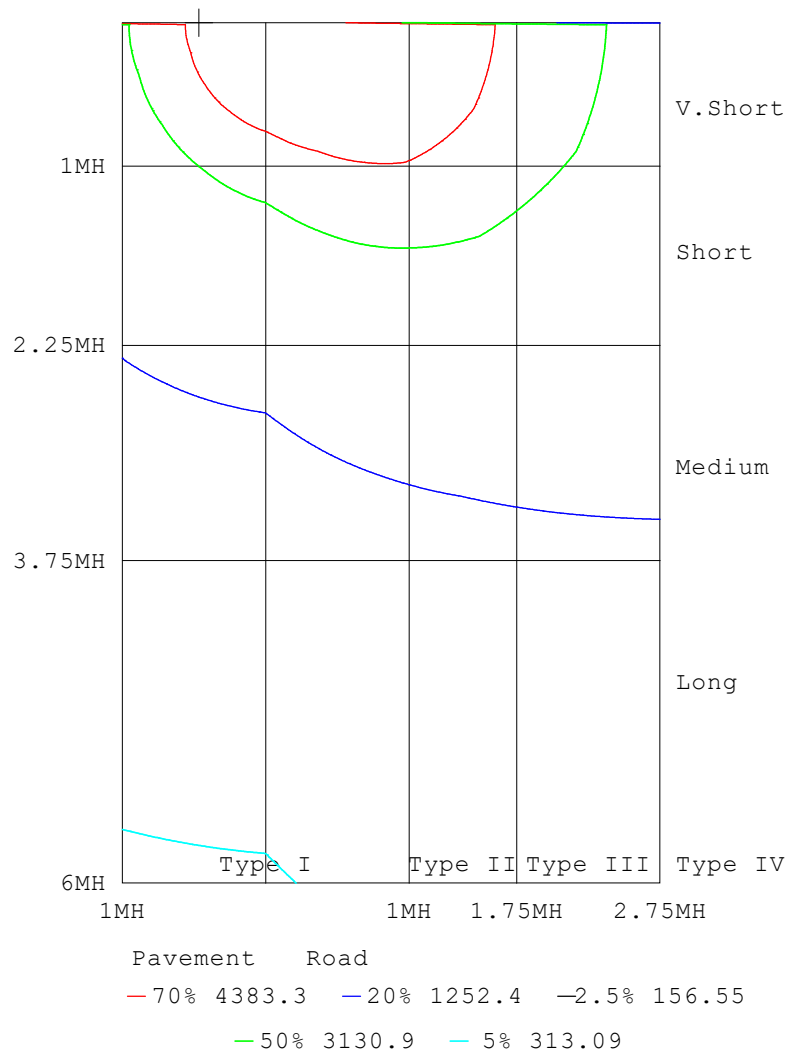
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.36V I:0.4249A P:116.39W PF:0.9946 Freq:60.00Hz Lamp Flux:17438.8x1 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:275.36V I:0.4249A P:116.39W PF:0.9946 Freq:60.00Hz Lamp Flux:17438.8x1 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	6014	6014	6014	6014	6014	6014	6014	6014	6014	6014	6014	6014	6014	6014	6014	6014			
5	5972	6018	6067	6100	6112	6102	6075	6033	5997	5944	5911	5875	5869	5871	5899	5934			
10	5867	5975	6076	6152	6179	6157	6087	5996	5915	5813	5749	5684	5670	5676	5729	5794			
15	5707	5872	6040	6173	6222	6181	6058	5903	5777	5625	5529	5437	5411	5420	5499	5600			
20	5487	5716	5963	6171	6248	6180	5989	5759	5581	5387	5253	5122	5096	5100	5211	5344			
25	5217	5519	5857	6146	6255	6158	5883	5567	5335	5096	4921	4767	4727	4744	4872	5043			
30	4901	5275	5721	6097	6240	6113	5753	5332	5041	4753	4545	4361	4316	4333	4486	4688			
35	4544	4990	5546	6014	6182	6032	5587	5053	4698	4371	4131	3938	3883	3904	4066	4298			
40	4144	4676	5334	5862	6046	5892	5385	4743	4312	3954	3696	3493	3439	3461	3629	3878			
45	3720	4324	5058	5625	5791	5660	5120	4401	3900	3513	3251	3055	3015	3021	3176	3429			
50	3268	3945	4714	5241	5352	5292	4789	4031	3460	3065	2796	2634	2599	2600	2722	2978			
55	2791	3513	4282	4695	4758	4761	4379	3614	2997	2604	2360	2204	2066	2151	2280	2511			
60	2278	3021	3727	4049	4108	4120	3850	3135	2497	2139	1915	1689	1631	1650	1843	2044			
65	1749	2445	3075	3382	3430	3454	3209	2579	1958	1675	1433	1268	1105	1202	1350	1578			
70	1233	1803	2376	2714	2724	2786	2513	1946	1446	1233	1025	767	719	737	943	1140			
75	747	1174	1682	1969	1824	2060	1810	1320	952	805	557	443	396	414	493	700			
80	328	610	913	754	755	877	1105	741	502	407	246	146	134	130	187	308			
85	55.4	128	134	128	122	215	294	246	143	98.6	25.1	11.3	10.7	11.0	12.1	44.7			
90	8.18	6.67	5.93	5.93	5.87	6.53	6.89	7.48	8.77	9.45	11.1	12.1	12.3	12.4	11.6	9.76			
95	11.0	9.05	7.86	6.85	6.43	6.62	7.35	8.41	9.73	12.4	14.8	16.2	16.5	16.4	15.2	12.9			
100	14.2	11.8	10.4	9.19	8.67	8.90	9.75	11.0	12.7	15.9	18.7	20.5	21.0	20.7	19.0	16.3			
105	17.8	14.9	13.3	11.9	11.3	11.5	12.5	14.0	16.1	19.7	22.8	24.8	25.6	24.9	22.9	20.0			
110	21.6	18.2	16.4	14.9	14.2	14.4	15.5	17.2	19.7	23.7	27.0	29.2	30.1	29.3	27.0	23.9			
115	25.6	21.9	19.8	18.1	17.5	17.6	18.8	20.6	23.6	28.0	31.5	33.9	34.8	33.8	31.4	28.1			
120	29.7	25.7	23.4	21.6	20.9	21.1	22.2	24.3	27.7	32.4	36.0	38.5	39.5	38.4	35.7	32.2			
125	33.7	29.6	27.2	25.3	24.5	24.6	25.9	28.0	31.7	36.7	40.3	42.7	43.8	42.5	39.7	36.0			
130	37.5	33.3	30.9	29.0	28.2	28.2	29.4	31.6	35.6	40.5	44.2	46.3	47.3	45.9	43.2	39.4			
135	40.7	36.8	34.4	32.6	31.7	31.7	32.7	35.0	39.0	43.8	47.6	49.3	50.1	48.7	46.1	42.3			
140	43.6	40.0	37.8	36.0	35.0	34.9	35.8	38.0	42.1	46.7	50.2	51.9	52.5	51.1	48.5	44.8			
145	46.3	43.1	41.0	39.2	38.2	38.0	38.9	40.9	45.0	49.2	52.4	54.0	54.4	53.0	50.4	47.1			
150	48.8	46.1	44.2	42.4	41.4	41.3	41.9	43.7	47.5	51.3	54.2	55.3	55.6	54.1	51.9	49.0			
155	51.2	48.9	47.2	45.5	44.6	44.3	44.7	46.2	49.9	53.2	55.6	56.3	56.5	55.0	53.2	50.6			
160	53.6	51.7	50.2	48.5	47.6	47.2	47.5	48.8	52.3	55.0	56.9	57.2	57.3	55.9	54.3	52.1			
165	55.9	54.4	53.1	51.5	50.5	50.2	50.4	51.3	54.6	56.6	58.1	58.1	57.9	56.6	55.4	53.7			
170	58.0	56.9	55.6	54.4	53.5	53.3	53.3	53.8	57.0	58.3	59.3	58.8	58.5	57.3	56.4	55.2			
175	59.5	58.8	57.8	57.0	55.9	55.8	55.4	55.5	59.0	59.7	60.1	59.3	58.8	57.9	57.3	56.4			
180	60.1	59.6	59.5	59.3	58.1	57.8	56.9	56.6	59.8	59.8	59.7	58.8	58.4	57.5	57.1	56.6			

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
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.450m [K=1.0000]
Remarks: