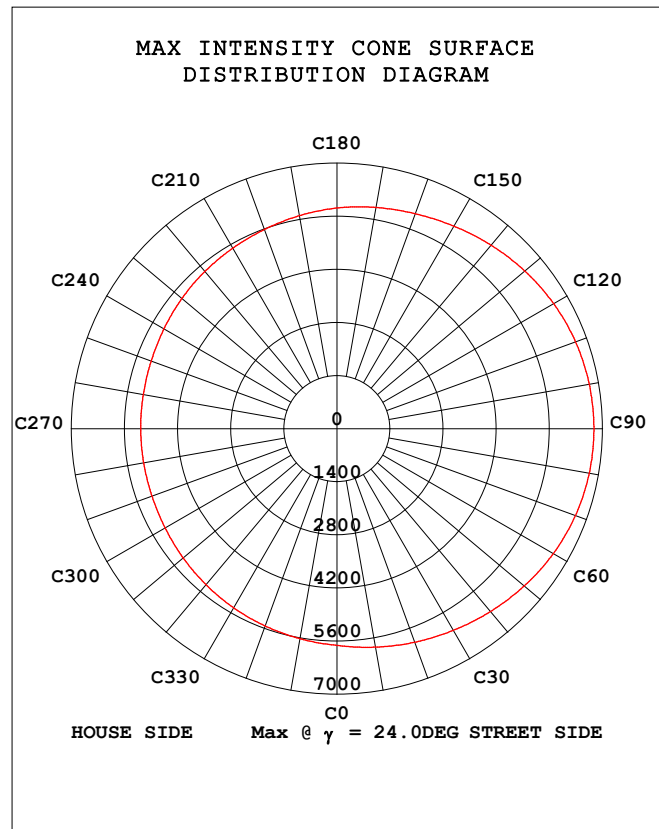
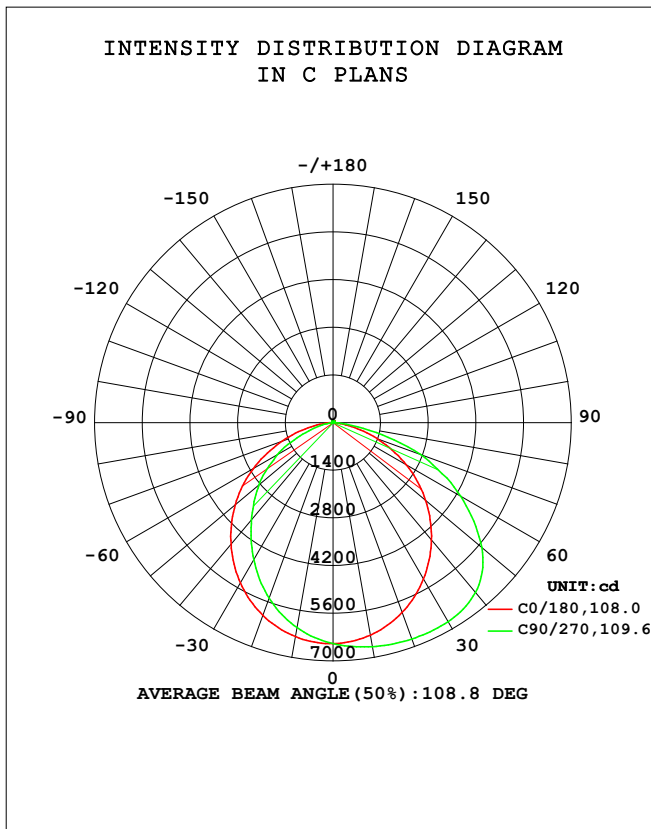


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.35V I:0.4155A P:113.76W PF:0.9944 Freq:60.00Hz Lamp Flux:18818.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 165.43 lm/W			
MODEL		I _{max} (cd)	6773	η street_up (%)	0.5
NOMINAL POWER(W)	120	LOR (%)	100.0	η street_down (%)	58.8
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	18819	η house_up (%)	0.6
NOMINAL FLUX(lm)	18818.8	MAXIMUM @ (C, γ)	90,24.0	η house_down (%)	40.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

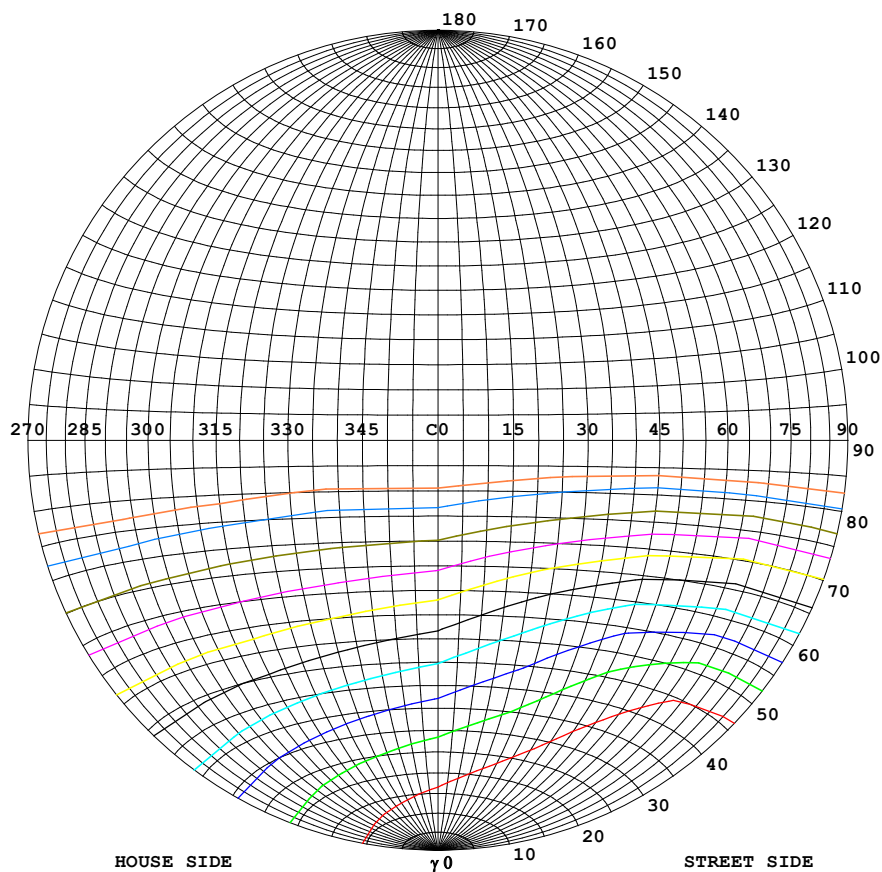


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.35V I:0.4155A P:113.76W PF:0.9944 Freq:60.00Hz Lamp Flux:18818.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

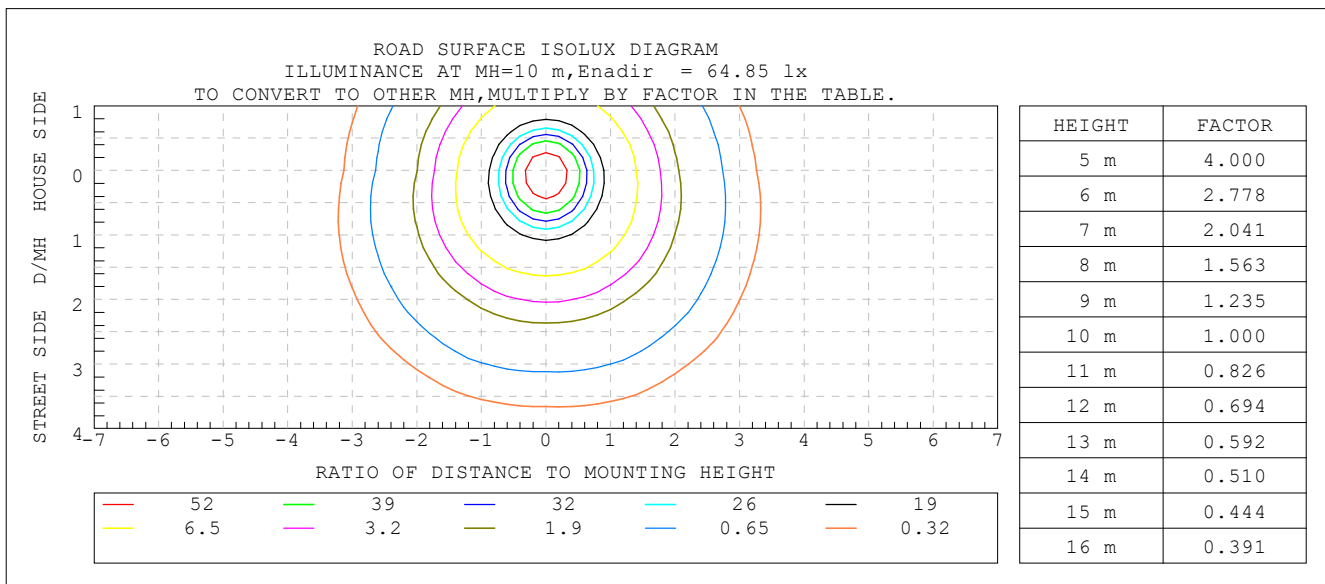
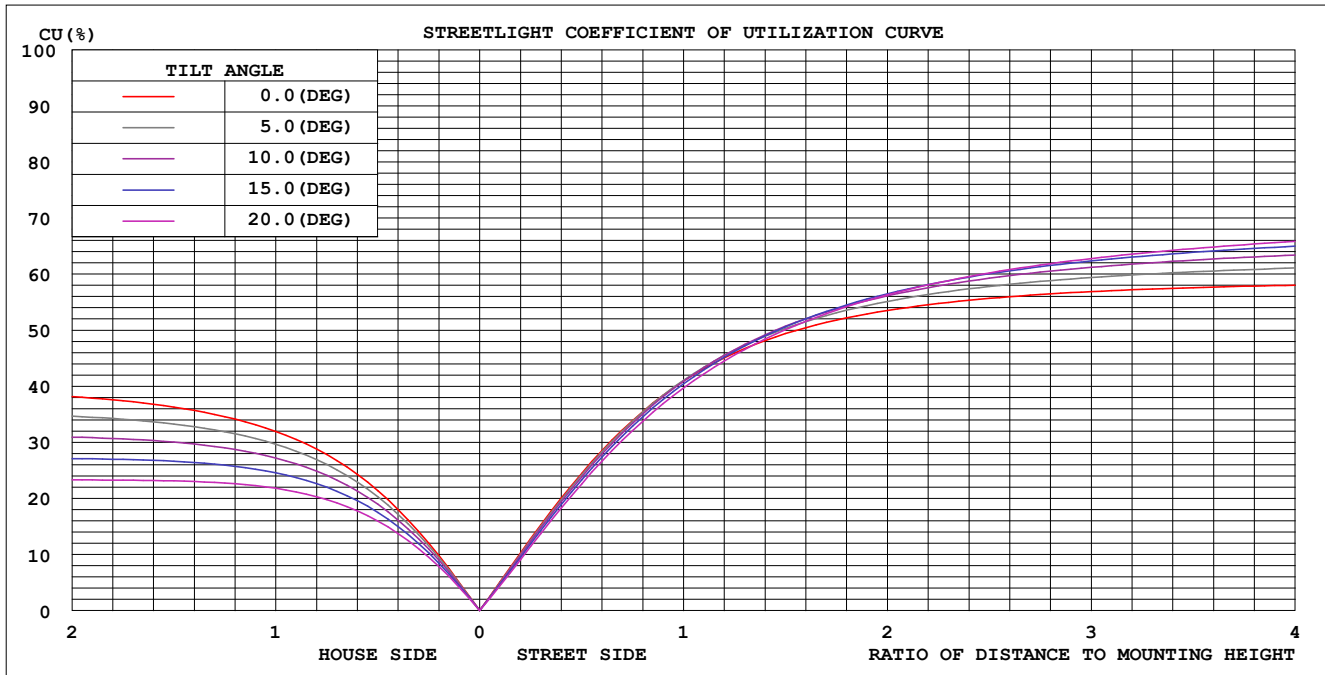
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:54.35cd/klm
Max.At90:0.6760cd/klm
Max.80-90:54.35cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6773
90%	6096
80%	5418
70%	4741
60%	4064
50%	3386
40%	2709
30%	2032
20%	1355
10%	677
5%	339

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

gamma Range: 0 - 180DEG
gamma 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:275.35V I:0.4155A P:113.76W PF:0.9944 Freq:60.00Hz Lamp Flux:18818.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

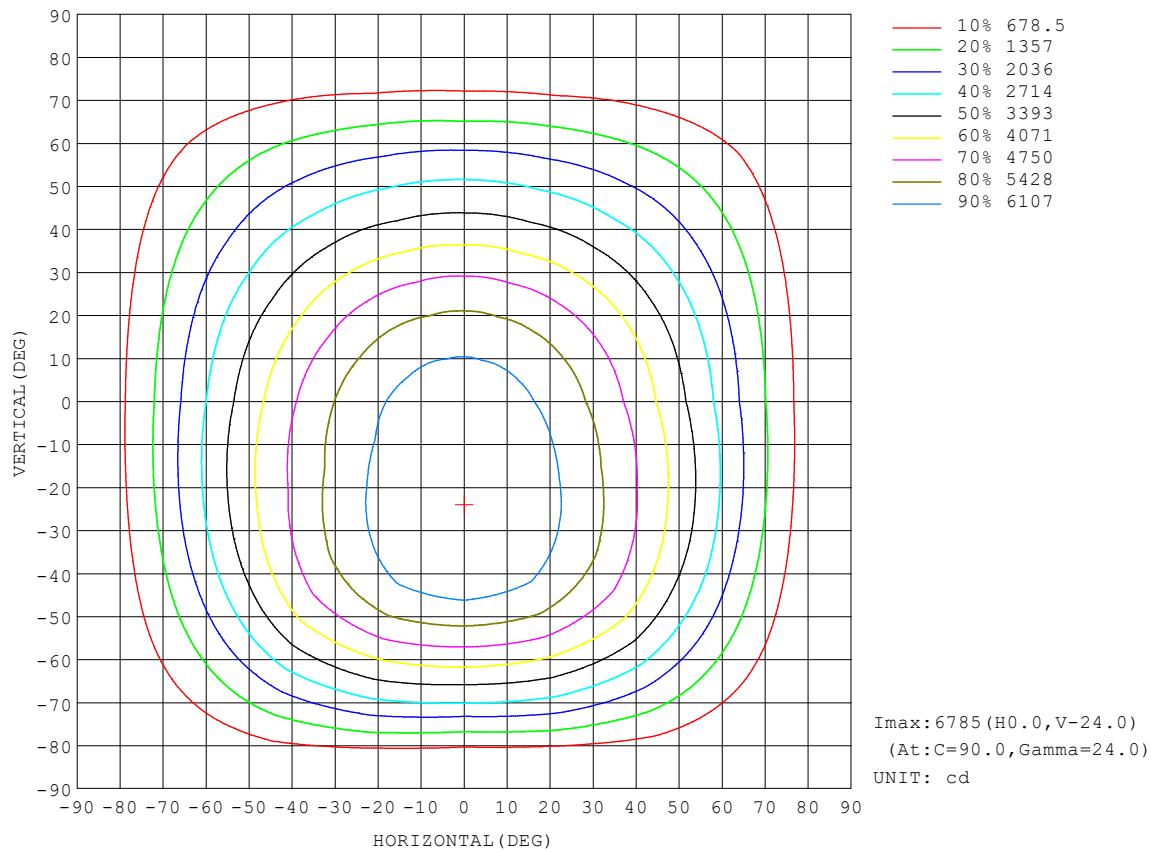
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	6336	6564	6681	6576	6381	6193	6113	6181	0- 10	614.1	614.1	3.26,3.26
20	5934	6455	6762	6478	6028	5660	5494	5622	10- 20	1762	2376	12.6,12.6
30	5313	6200	6752	6225	5444	4900	4659	4847	20- 30	2682	5058	26.9,26.9
40	4502	5791	6505	5832	4663	3990	3730	3927	30- 40	3268	8326	44.2,44.2
50	3554	5096	5711	5168	3750	3031	2843	2965	40- 50	3444	11770	62.5,62.5
60	2491	3995	4330	4110	2711	2100	1893	2026	50- 60	3137	14907	79.2,79.2
70	1373	2510	2736	2643	1583	1191	852.6	1108	60- 70	2339	17246	91.6,91.6
80	380.7	881.0	739.6	1023	568.4	288.1	165.5	234.6	70- 80	1189	18435	98,98
90	8.873	6.398	6.317	7.418	9.518	11.45	12.45	12.16	80- 90	180.7	18616	98.9,98.9
100	15.39	11.16	9.636	10.88	13.95	19.51	21.60	20.23	90-100	13.03	18629	99,99
110	23.33	17.46	15.56	17.12	21.60	28.35	31.33	28.86	100-110	20.11	18649	99.1,99.1
120	32.06	24.80	22.51	24.42	30.30	37.86	41.39	38.15	110-120	26.88	18676	99.2,99.2
130	40.48	32.66	30.22	32.19	38.88	46.59	49.93	46.42	120-130	31.88	18708	99.4,99.4
140	47.10	39.78	37.29	39.12	46.07	53.08	55.61	52.17	130-140	33.24	18741	99.6,99.6
150	52.72	46.55	44.09	45.65	51.87	57.35	59.10	55.91	140-150	30.69	18772	99.7,99.7
160	57.87	52.84	50.54	51.67	57.08	60.19	60.85	58.44	150-160	24.85	18797	99.9,99.9
170	62.56	58.66	56.83	57.97	62.21	62.65	62.13	60.73	160-170	16.43	18813	100,100
180	64.75	62.82	61.89	62.11	65.29	63.13	62.06	61.36	170-180	5.860	18819	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

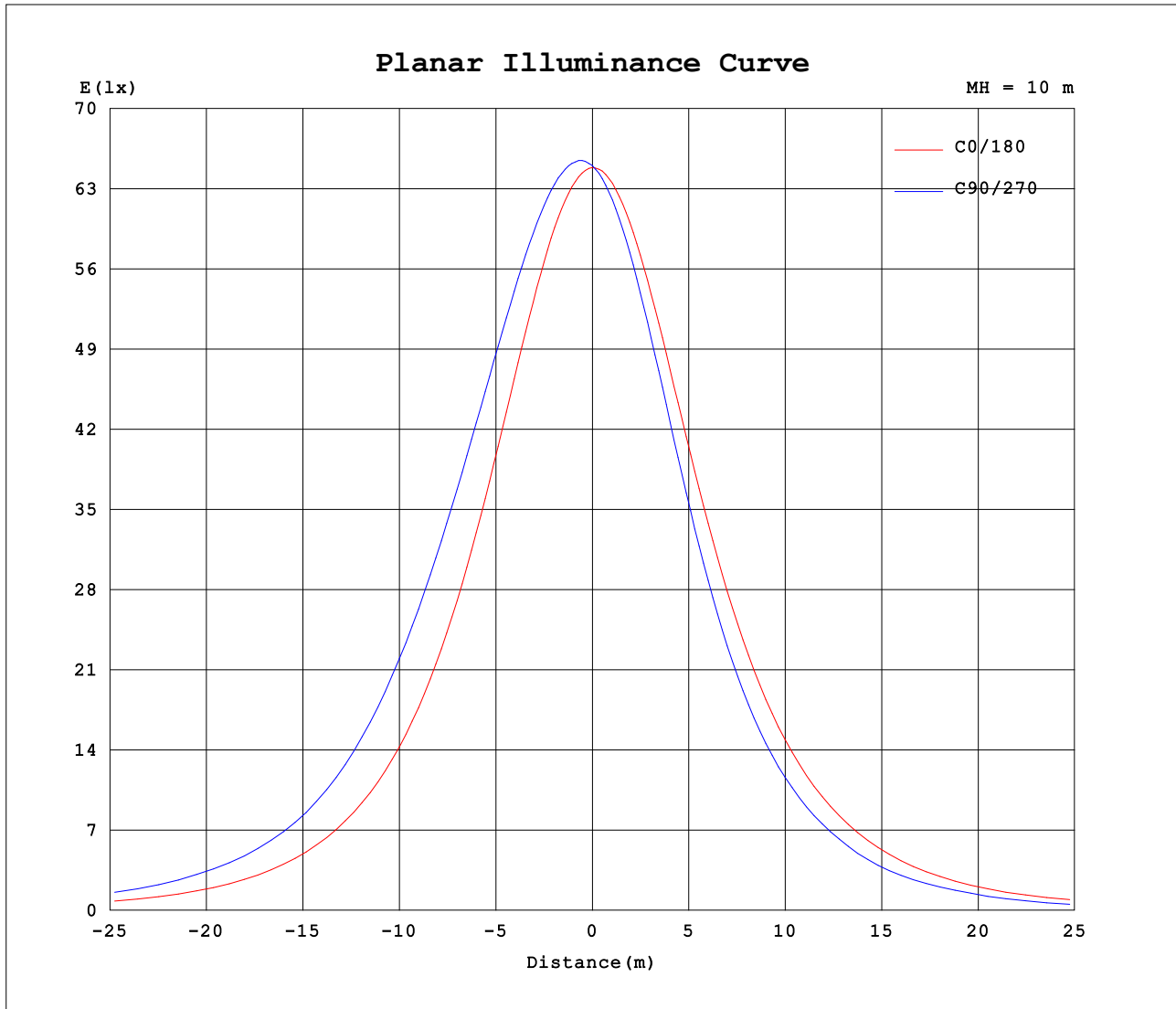
Test:U:275.35V I:0.4155A P:113.76W PF:0.9944 Freq:60.00Hz Lamp Flux:18818.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

Planar Illuminance Curve



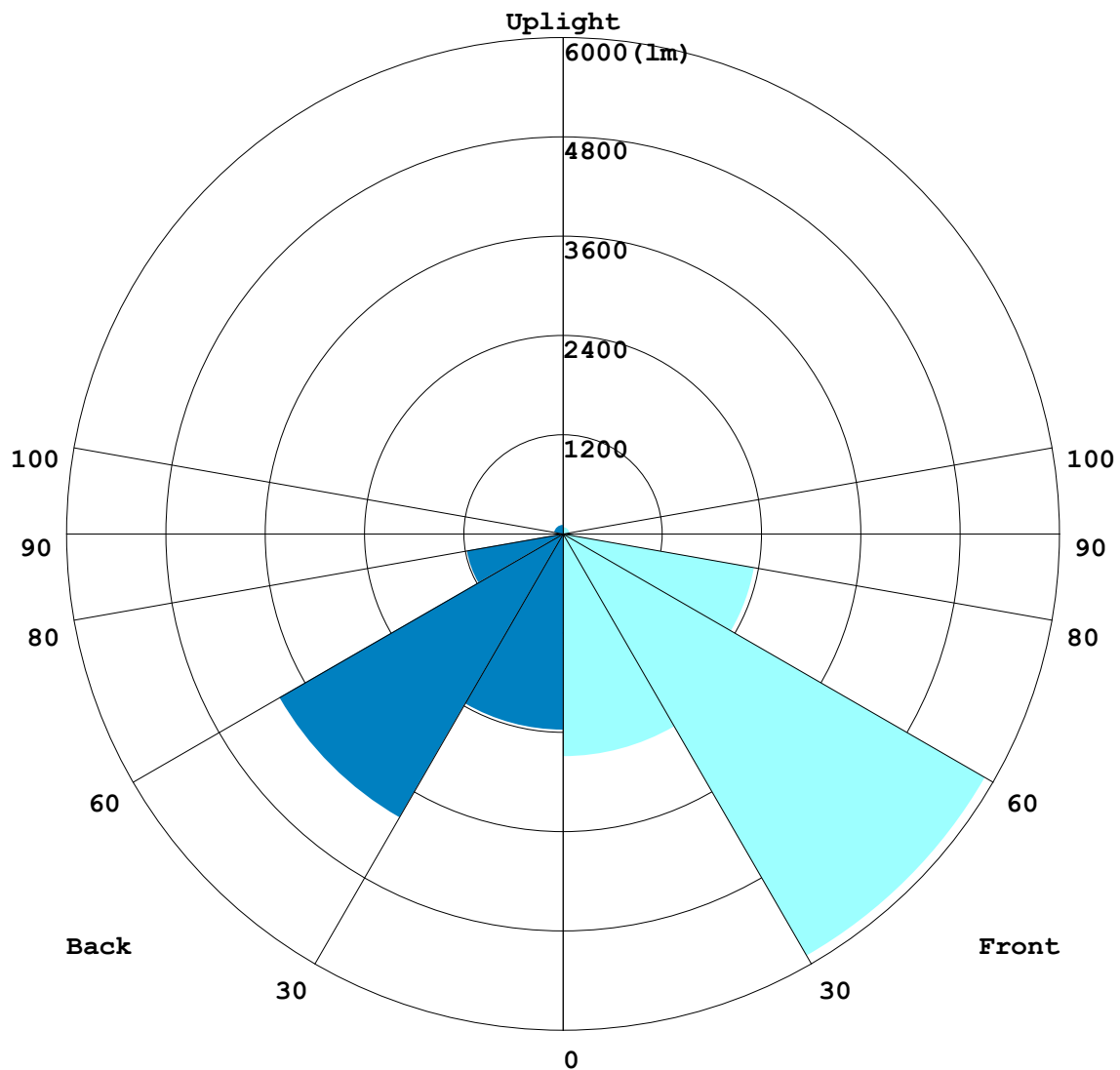
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.35V I:0.4155A P:113.76W PF:0.9944 Freq:60.00Hz Lamp Flux:18818.8x1 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:275.35V I:0.4155A P:113.76W PF:0.9944 Freq:60.00Hz Lamp Flux:18818.8x1 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)	2689.5	14.3
FM - Front-Medium(30-60)	5890.7	31.3
FH - Front-High(60-80)	2347.5	12.5
FVH - Front-Very High(80-90)	130.06	0.7
Total Forward Light	11145	59.2

BL - Back-Low(0-30)	2368.4	12.6
BM - Back-Medium(30-60)	3958.1	21.0
BH - Back-High(60-80)	1180.7	6.3
BVH - Back-Very High(80-90)	50.689	0.3
Total Back Light	7674.3	40.8

UL - Uplight-Low(90-100)	13.027	0.1
UH - Uplight-High(100-180)	189.95	1.0
Total Up Light	202.97	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7558	116.26	7674.3
Street Side	11058	86.712	11145

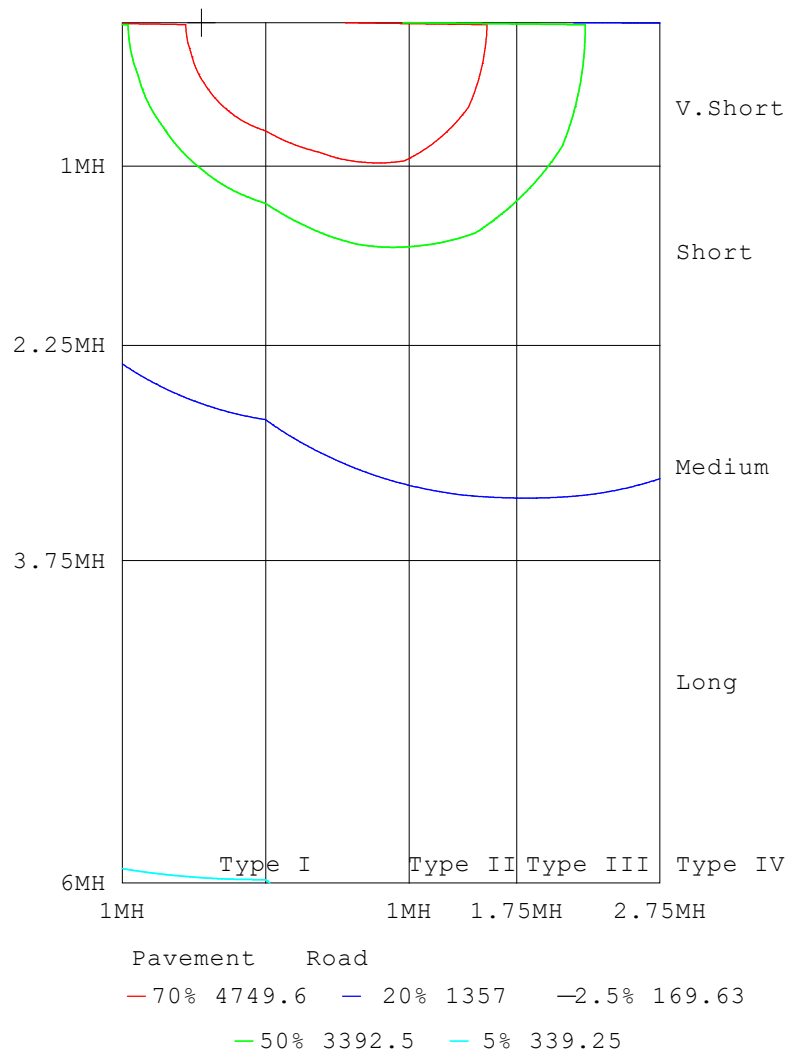
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.35V I:0.4155A P:113.76W PF:0.9944 Freq:60.00Hz Lamp Flux:18818.8x1 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:275.35V I:0.4155A P:113.76W PF:0.9944 Freq:60.00Hz Lamp Flux:18818.8x1 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	6491	6491	6491	6491	6491	6491	6491	6491	6491	6491	6491	6491	6491	6491	6491	6491			
5	6442	6505	6551	6592	6597	6591	6559	6515	6466	6414	6370	6341	6329	6334	6368	6405			
10	6336	6458	6564	6652	6681	6654	6576	6475	6381	6274	6193	6130	6113	6122	6181	6255			
15	6165	6353	6531	6683	6732	6687	6549	6376	6234	6074	5956	5865	5835	5845	5931	6046			
20	5934	6189	6455	6682	6762	6690	6478	6224	6028	5812	5660	5525	5494	5505	5622	5779			
25	5650	5982	6345	6661	6773	6669	6369	6021	5763	5498	5305	5145	5097	5122	5257	5445			
30	5313	5722	6200	6609	6752	6618	6225	5764	5444	5132	4900	4710	4659	4687	4847	5068			
35	4926	5417	6018	6515	6681	6526	6049	5472	5075	4721	4458	4254	4196	4219	4402	4660			
40	4502	5082	5791	6335	6505	6353	5832	5141	4663	4282	3990	3786	3730	3752	3927	4197			
45	4039	4703	5484	6051	6201	6080	5540	4771	4223	3806	3513	3320	3283	3290	3445	3718			
50	3554	4295	5096	5612	5711	5660	5168	4372	3750	3323	3031	2877	2843	2843	2965	3235			
55	3038	3829	4608	5005	5051	5066	4705	3923	3249	2827	2569	2429	2357	2390	2502	2736			
60	2491	3292	3995	4288	4330	4355	4110	3402	2711	2328	2100	1938	1893	1904	2026	2228			
65	1924	2659	3275	3550	3535	3622	3405	2785	2131	1823	1623	1489	1359	1436	1545	1727			
70	1373	1956	2510	2738	2736	2809	2643	2105	1583	1351	1191	950	853	903	1108	1256			
75	843	1268	1678	1773	1678	1871	1810	1422	1052	893	691	515	458	475	600	794			
80	381	645	881	806	740	906	1023	794	568	482	288	191	165	163	235	382			
85	62.2	139	139	110	84.4	174	253	243	179	110	39.4	14.6	12.1	12.4	17.3	63.0			
90	8.87	7.21	6.40	6.37	6.32	6.85	7.42	8.16	9.52	10.1	11.4	12.4	12.5	12.7	12.2	10.7			
95	11.9	9.76	8.48	7.59	7.19	7.39	8.26	9.45	10.7	13.1	15.3	16.6	16.9	16.9	16.1	14.1			
100	15.4	12.7	11.2	10.1	9.64	9.84	10.9	12.3	13.9	16.9	19.5	21.2	21.6	21.5	20.2	17.9			
105	19.2	16.0	14.2	12.9	12.4	12.6	13.9	15.6	17.6	21.0	23.8	25.8	26.5	26.1	24.5	21.9			
110	23.3	19.6	17.5	16.1	15.6	15.7	17.1	19.1	21.6	25.3	28.4	30.6	31.3	30.8	28.9	26.3			
115	27.6	23.5	21.0	19.4	18.9	19.1	20.6	22.9	25.9	29.9	33.1	35.5	36.4	35.7	33.5	30.8			
120	32.1	27.5	24.8	23.1	22.5	22.7	24.4	26.9	30.3	34.6	37.9	40.5	41.4	40.6	38.1	35.4			
125	36.4	31.7	28.8	27.0	26.4	26.5	28.3	31.0	34.8	39.1	42.5	45.0	46.1	45.1	42.5	39.7			
130	40.5	35.6	32.7	30.8	30.2	30.3	32.2	35.0	38.9	43.2	46.6	48.9	49.9	48.9	46.4	43.5			
135	44.0	39.3	36.3	34.5	33.9	33.9	35.7	38.6	42.7	46.8	50.2	52.2	53.0	52.0	49.6	46.6			
140	47.1	42.8	39.8	38.0	37.3	37.3	39.1	41.9	46.1	49.9	53.1	54.9	55.6	54.6	52.2	49.4			
145	50.0	46.1	43.2	41.5	40.7	40.6	42.4	45.0	49.1	52.6	55.5	57.3	57.8	56.7	54.3	51.9			
150	52.7	49.3	46.6	44.9	44.1	44.0	45.6	48.0	51.9	54.8	57.4	58.7	59.1	57.9	55.9	54.0			
155	55.3	52.3	49.7	48.1	47.4	47.2	48.7	50.8	54.5	56.8	58.8	59.9	60.0	58.9	57.3	55.8			
160	57.9	55.3	52.8	51.3	50.5	50.3	51.7	53.6	57.1	58.6	60.2	60.8	60.8	59.8	58.4	57.5			
165	60.3	58.2	55.9	54.5	53.7	53.5	54.8	56.4	59.7	60.4	61.5	61.7	61.5	60.6	59.6	59.2			
170	62.6	60.9	58.7	57.6	56.8	56.8	58.0	59.0	62.2	62.0	62.6	62.4	62.1	61.3	60.7	61.0			
175	64.2	63.0	61.0	60.3	59.5	59.4	60.3	60.9	64.4	63.5	63.6	63.0	62.5	61.9	61.6	62.3			
180	64.8	63.9	62.8	62.7	61.9	61.6	62.1	62.0	65.3	63.5	63.1	62.5	62.1	61.6	61.4	62.5			

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: