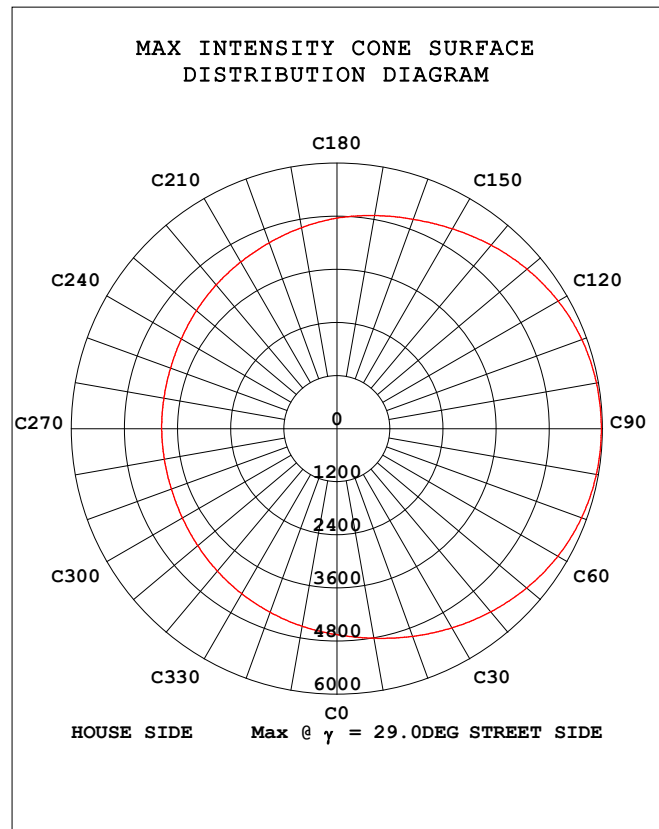
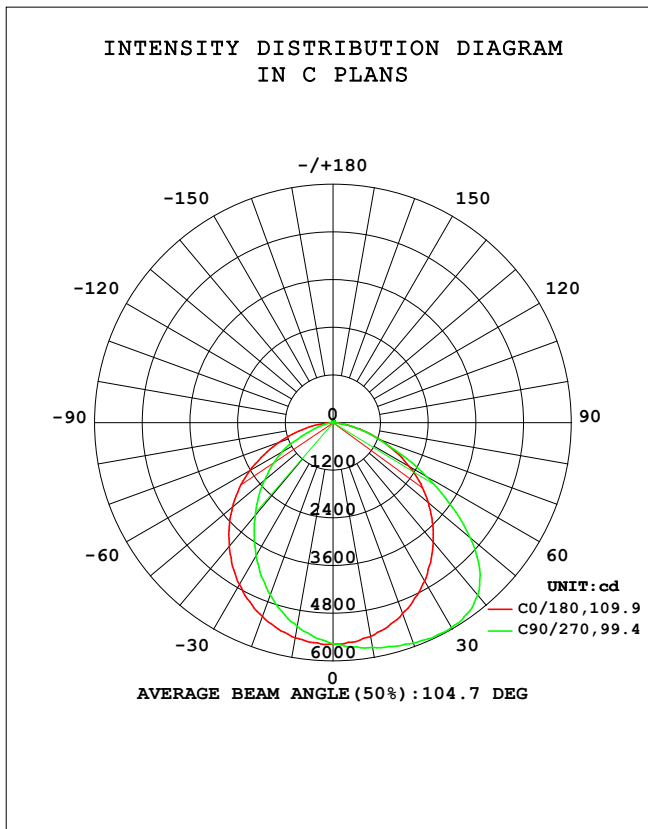


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.33V I:0.3586A P:97.967W PF:0.9923 Freq:60.00Hz Lamp Flux:15817.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.46 lm/W			
MODEL		Imax(cd)	5973	η street_up(%)	0.5
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	58.8
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	15817	η house_up(%)	0.6
NOMINAL FLUX(lm)	15817.4	MAXIMUM @ (C, γ)	90,29.0	η house_down(%)	40.1
LAMPS INSIDE	1	η up(%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	98.9	SLI	

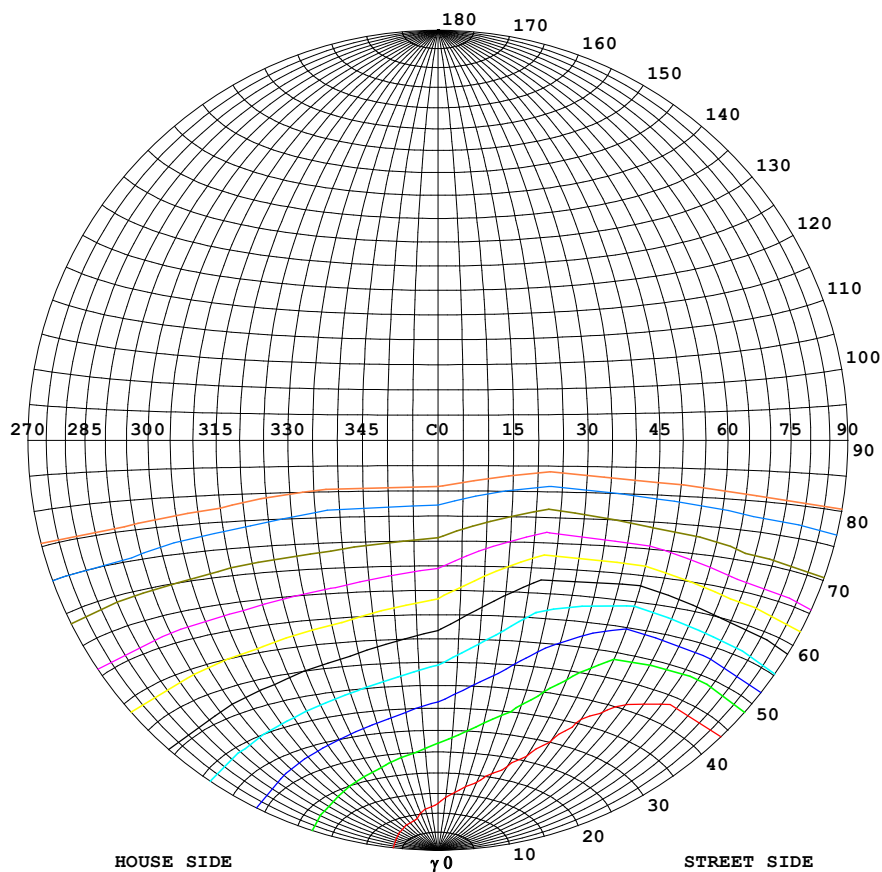


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.33V I:0.3586A P:97.967W PF:0.9923 Freq:60.00Hz Lamp Flux:15817.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

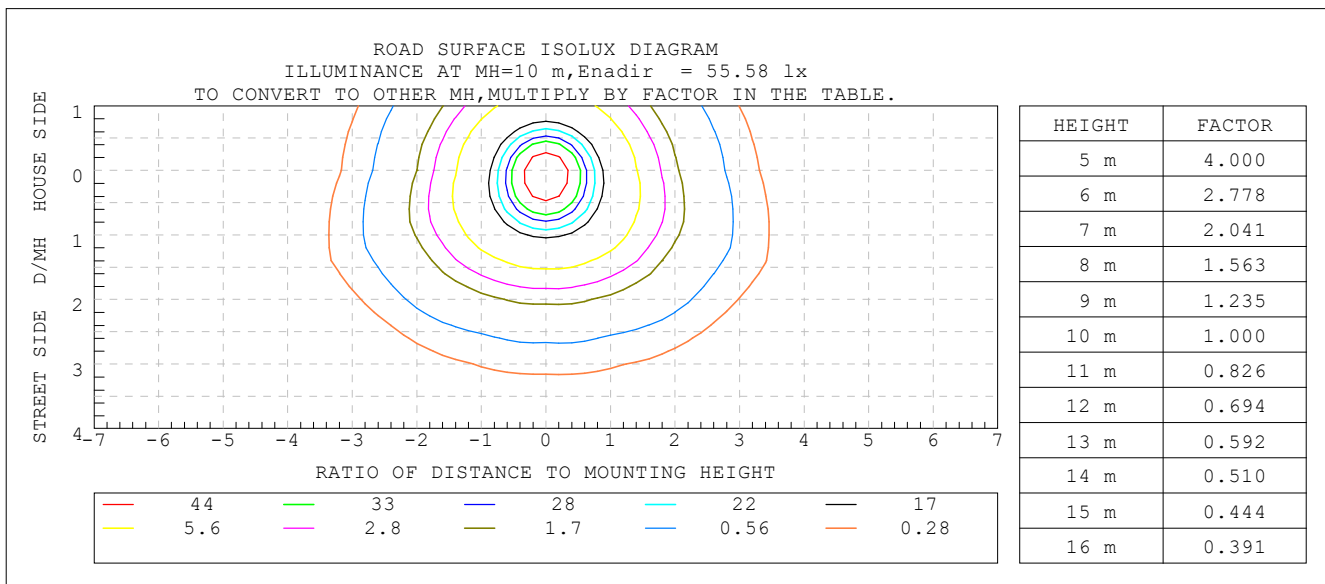
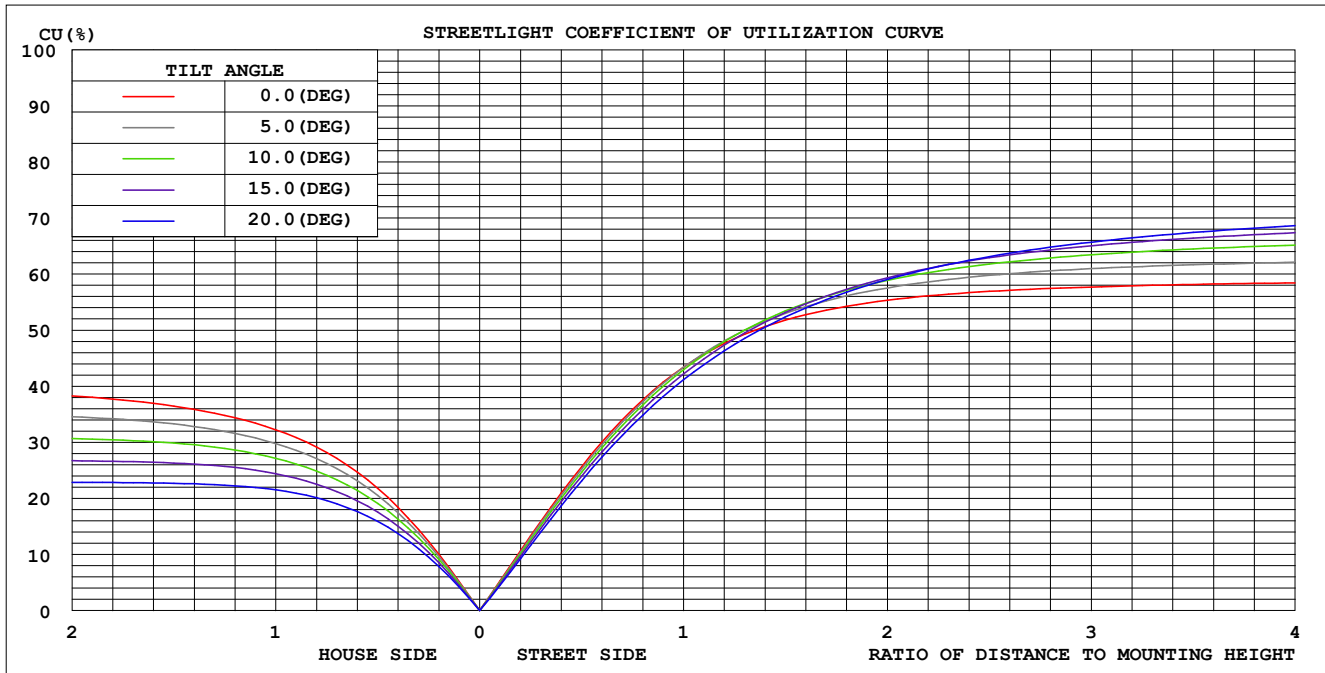
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:58.08cd/klm
Max.At90:0.6231cd/klm
Max.80-90:58.08cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5973
90%	5375
80%	4778
70%	4181
60%	3584
50%	2986
40%	2389
30%	1792
20%	1195
10%	597
5%	299

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-19

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: 2025-07-19

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:275.33V I:0.3586A P:97.967W PF:0.9923 Freq:60.00Hz Lamp Flux:15817.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

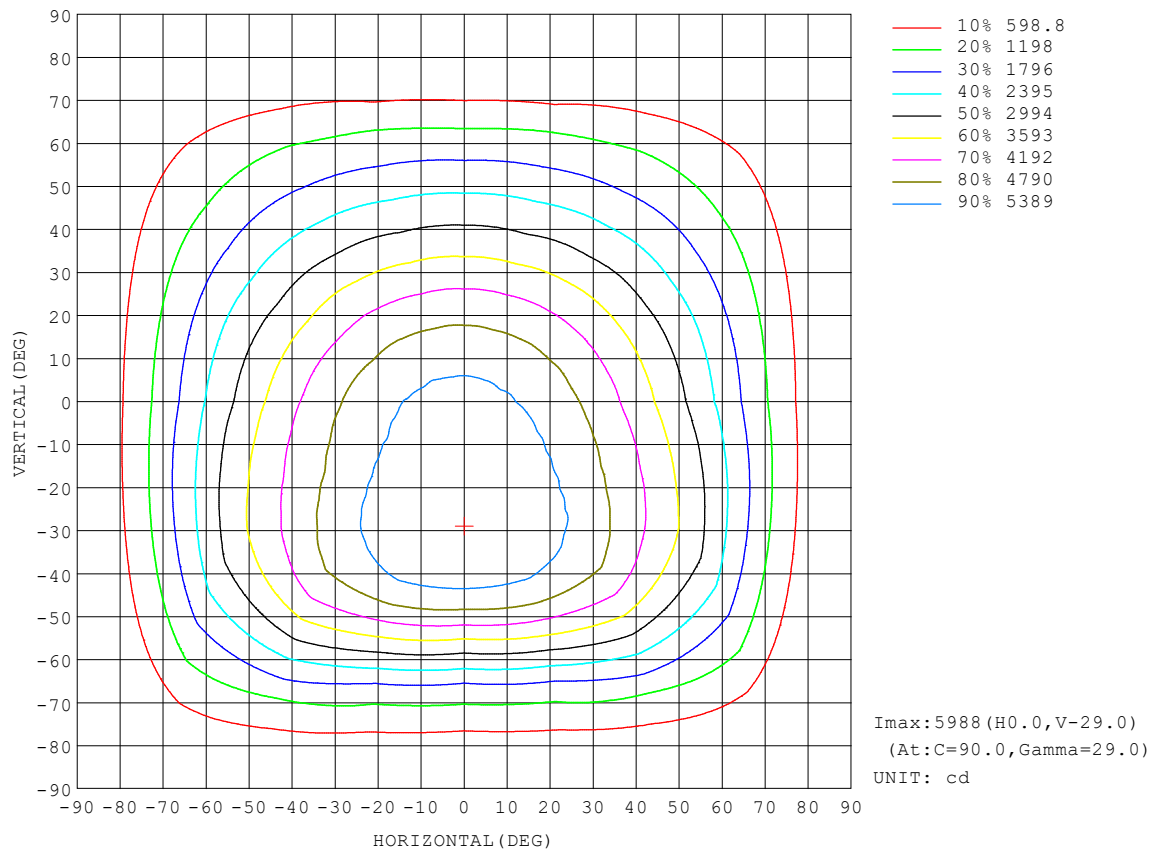
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5463	5660	5744	5651	5502	5304	5202	5267	0- 10	527.1	527.1	3.33,3.33
20	5116	5625	5909	5623	5196	4800	4619	4773	10- 20	1513	2040	12.9,12.9
30	4607	5477	5953	5494	4715	4133	3882	4078	20- 30	2313	4353	27.5,27.5
40	3931	5244	5668	5246	4069	3329	3052	3277	30- 40	2832	7185	45.4,45.4
50	3134	4654	4519	4725	3302	2511	2258	2451	40- 50	2976	10161	64.2,64.2
60	2231	3446	2725	3582	2425	1726	1492	1661	50- 60	2638	12799	80.9,80.9
70	1256	1872	1231	2021	1445	1005	590.0	938.1	60- 70	1842	14640	92.6,92.6
80	365.2	509.6	322.4	613.3	542.8	215.2	114.3	165.8	70- 80	867.7	15508	98,98
90	8.221	5.393	4.884	5.952	8.753	9.228	7.553	9.856	80- 90	134.0	15642	98.9,98.9
100	14.10	9.453	7.805	9.056	12.73	16.34	14.97	16.94	90-100	10.63	15653	99,99
110	21.18	14.94	12.90	14.33	19.49	24.18	24.14	24.77	100-110	16.88	15670	99.1,99.1
120	28.75	21.33	18.96	20.58	26.93	32.61	33.81	32.98	110-120	22.98	15693	99.2,99.2
130	36.08	28.38	25.70	27.23	34.43	40.34	42.26	40.70	120-130	27.51	15720	99.4,99.4
140	41.60	34.71	32.15	33.43	40.35	46.38	48.71	46.45	130-140	28.97	15749	99.6,99.6
150	46.23	40.87	38.43	39.22	45.11	50.77	52.42	49.74	140-150	26.90	15776	99.7,99.7
160	50.60	46.69	44.32	44.46	49.40	53.79	54.43	51.82	150-160	21.85	15798	99.9,99.9
170	54.53	52.01	50.20	50.18	53.50	56.03	56.07	53.81	160-170	14.49	15812	100,100
180	56.42	56.19	55.28	54.10	56.02	56.07	55.66	54.17	170-180	5.169	15817	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:2025-07-19

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

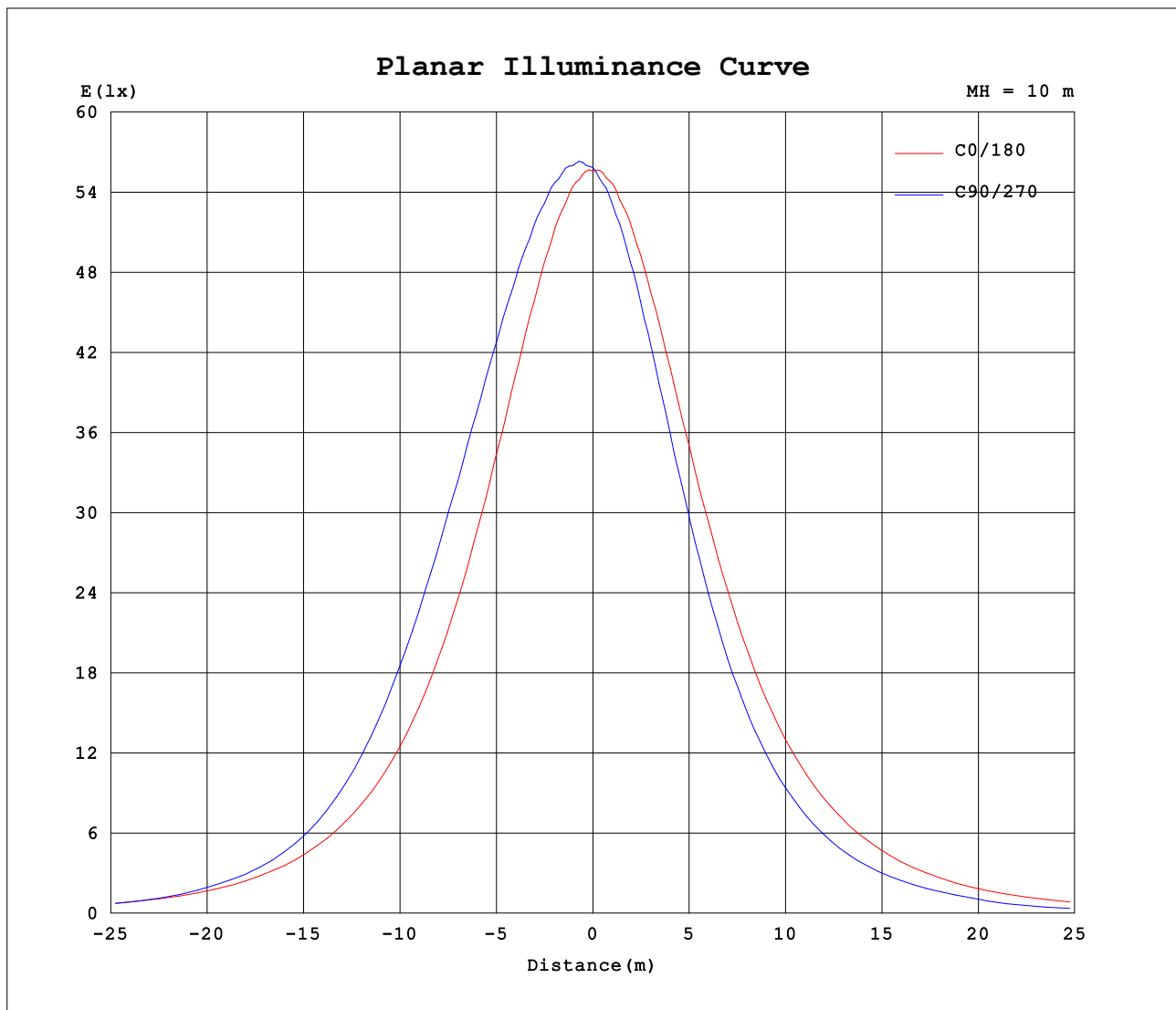
Test:U:275.33V I:0.3586A P:97.967W PF:0.9923 Freq:60.00Hz Lamp Flux:15817.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-19

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



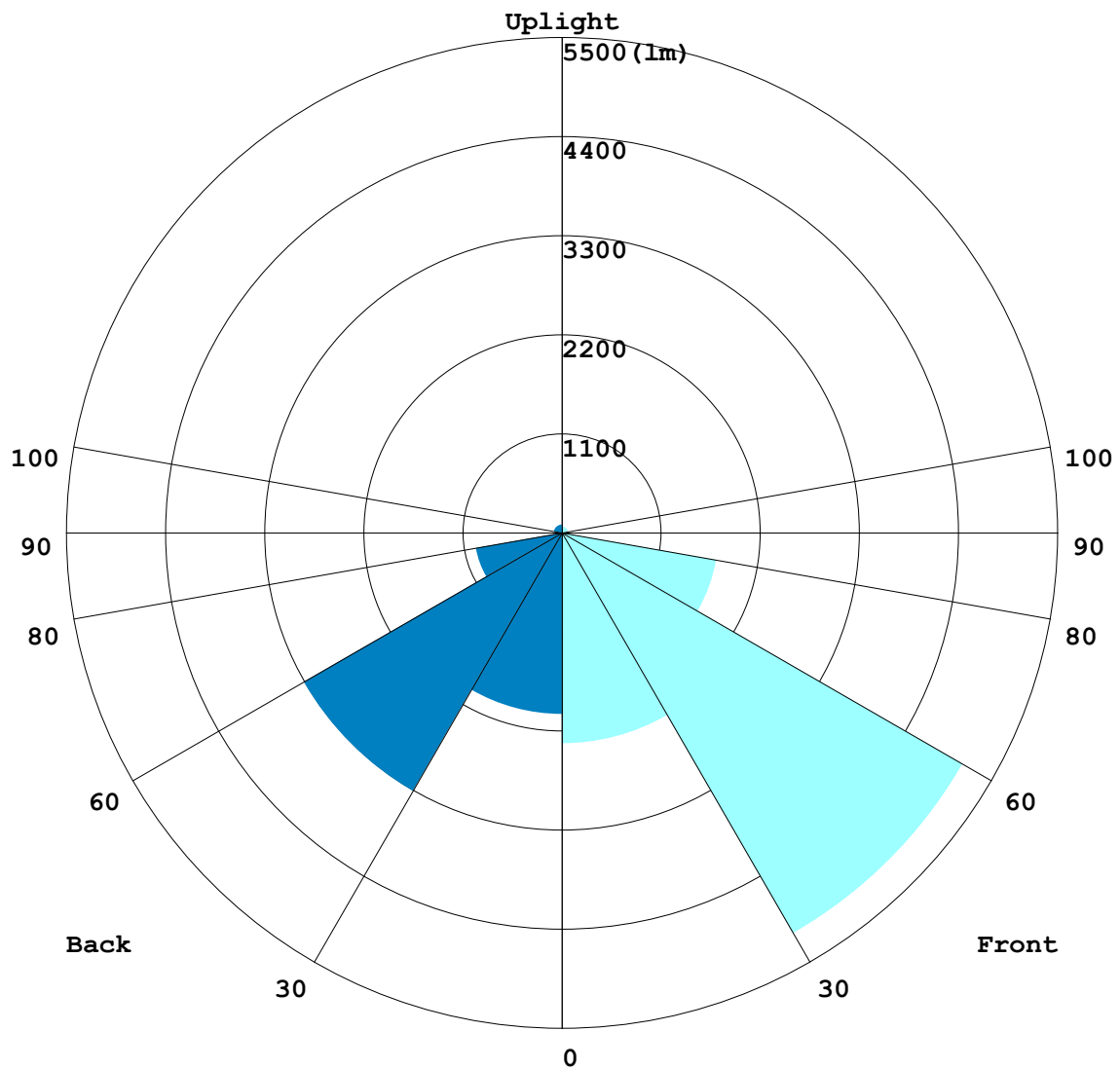
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.33V I:0.3586A P:97.967W PF:0.9923 Freq:60.00Hz Lamp Flux:15817.4x1 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:2025-07-19

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:275.33V I:0.3586A P:97.967W PF:0.9923 Freq:60.00Hz Lamp Flux:15817.4x1 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)	2338.9	14.8
FM - Front-Medium(30-60)	5133.6	32.5
FH - Front-High(60-80)	1738.7	11.0
FVH - Front-Very High(80-90)	91.39	0.6
Total Forward Light	9377.6	59.3

BL - Back-Low(0-30)	2014.1	12.7
BM - Back-Medium(30-60)	3312.1	20.9
BH - Back-High(60-80)	970.63	6.1
BVH - Back-Very High(80-90)	42.657	0.3
Total Back Light	6439.8	40.7

UL - Uplight-Low(90-100)	10.633	0.1
UH - Uplight-High(100-180)	164.75	1.0
Total Up Light	175.39	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6339.5	100.33	6439.8
Street Side	9302.6	75.054	9377.6

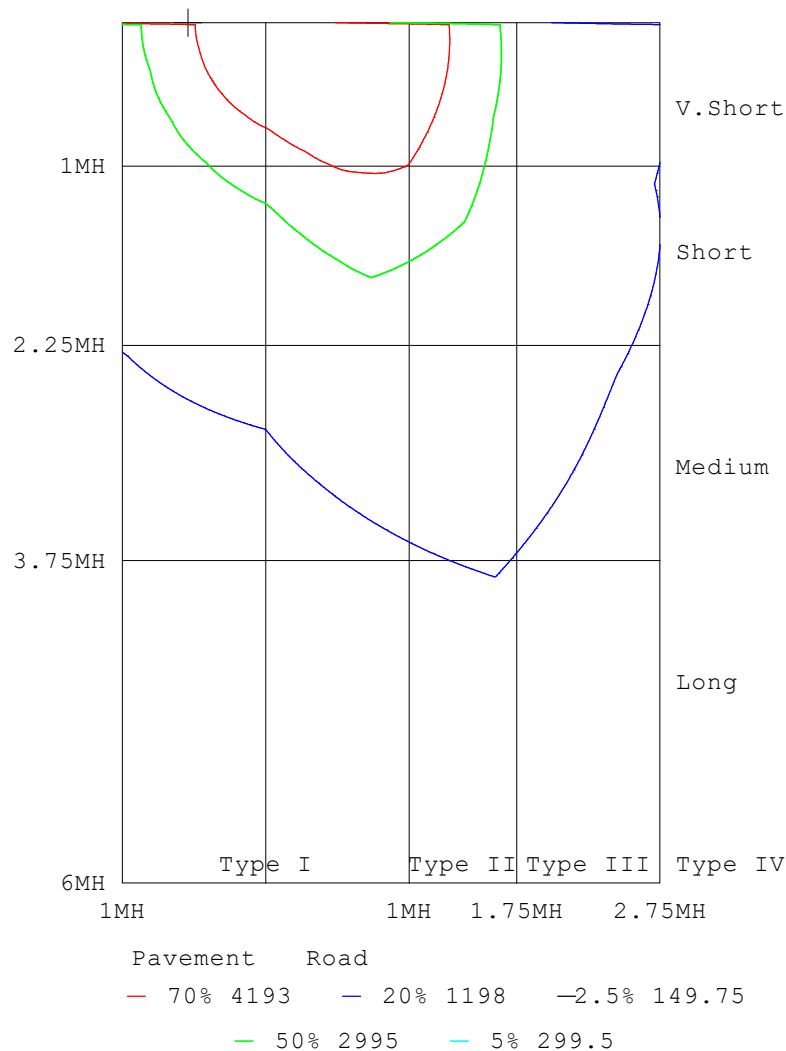
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-19

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:275.33V I:0.3586A P:97.967W PF:0.9923 Freq:60.00Hz Lamp Flux:15817.4x1 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:2025-07-19

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:275.33V I:0.3586A P:97.967W PF:0.9923 Freq:60.00Hz Lamp Flux:15817.4x1 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	5570	5570	5570	5570	5570	5570	5570	5570	5570	5570	5570	5570	5570	5570	5570	5570			
5	5547	5579	5624	5653	5667	5677	5640	5606	5561	5499	5471	5427	5419	5432	5449	5485			
10	5463	5537	5660	5724	5744	5756	5651	5580	5502	5360	5304	5227	5202	5236	5267	5363			
15	5323	5466	5658	5791	5835	5806	5642	5500	5377	5182	5078	4961	4928	4979	5045	5187			
20	5116	5356	5625	5834	5909	5841	5623	5375	5196	4969	4800	4654	4619	4649	4773	4945			
25	4873	5198	5553	5856	5964	5866	5574	5232	4970	4693	4486	4319	4270	4299	4445	4653			
30	4607	4994	5477	5837	5953	5874	5494	5044	4715	4369	4133	3935	3882	3920	4078	4312			
35	4288	4767	5390	5774	5871	5811	5383	4825	4416	4005	3742	3529	3461	3518	3680	3962			
40	3931	4529	5244	5609	5668	5641	5246	4571	4069	3619	3329	3105	3052	3099	3277	3574			
45	3537	4268	5014	5249	5225	5289	5042	4305	3695	3222	2915	2712	2661	2686	2865	3161			
50	3134	3977	4654	4651	4519	4728	4725	4034	3302	2813	2511	2323	2258	2295	2451	2738			
55	2706	3647	4136	3847	3618	3955	4239	3720	2889	2391	2102	1945	1870	1920	2039	2314			
60	2231	3240	3446	2960	2725	3060	3582	3327	2425	1960	1726	1565	1492	1543	1661	1891			
65	1740	2713	2660	2111	1877	2207	2811	2815	1925	1543	1354	1180	975	1120	1300	1467			
70	1256	2068	1872	1326	1231	1385	2021	2216	1445	1150	1005	663	590	631	938	1075			
75	785	1401	1067	863	745	911	1184	1558	976	771	524	363	319	333	461	696			
80	365	749	510	388	322	430	613	919	543	434	215	131	114	113	166	336			
85	57.7	181	86.4	46.5	53.4	71.5	135	297	172	103	31.7	10.2	7.15	8.04	14.5	58.5			
90	8.22	6.27	5.39	5.06	4.88	5.40	5.95	6.89	8.75	9.21	9.23	8.21	7.55	8.58	9.86	9.65			
95	11.0	8.54	7.19	6.20	5.79	6.04	6.88	8.09	9.77	12.0	12.6	11.7	10.9	12.1	13.3	12.7			
100	14.1	11.1	9.45	8.33	7.81	8.14	9.06	10.6	12.7	15.3	16.3	15.7	15.0	16.1	16.9	16.0			
105	17.5	13.9	12.1	10.8	10.2	10.6	11.6	13.4	16.0	18.8	20.2	20.0	19.4	20.5	20.8	19.6			
110	21.2	17.1	14.9	13.5	12.9	13.2	14.3	16.4	19.5	22.5	24.2	24.5	24.1	25.1	24.8	23.4			
115	24.9	20.5	18.0	16.4	15.8	16.1	17.4	19.7	23.2	26.6	28.4	29.1	29.0	29.6	28.9	27.4			
120	28.7	24.1	21.3	19.6	19.0	19.2	20.6	23.2	26.9	30.7	32.6	33.7	33.8	34.0	33.0	31.3			
125	32.6	27.6	24.8	22.9	22.3	22.6	23.9	26.7	30.8	34.7	36.7	38.0	38.3	38.3	37.0	35.0			
130	36.1	31.1	28.4	26.4	25.7	26.0	27.2	30.1	34.4	38.3	40.3	41.8	42.3	42.3	40.7	38.5			
135	39.0	34.4	31.7	29.9	29.1	29.2	30.4	33.1	37.6	41.5	43.5	45.1	45.8	45.6	44.0	41.2			
140	41.6	37.3	34.7	33.0	32.2	32.2	33.4	36.0	40.4	44.4	46.4	48.0	48.7	48.3	46.4	43.5			
145	44.1	40.1	37.9	36.1	35.2	35.4	36.3	38.6	42.9	46.7	48.7	50.2	50.8	50.5	48.2	45.6			
150	46.2	43.0	40.9	39.2	38.4	38.5	39.2	41.2	45.1	48.9	50.8	52.0	52.4	51.6	49.7	47.2			
155	48.4	45.7	43.8	42.2	41.5	41.4	41.9	43.5	47.3	50.5	52.3	53.3	53.4	52.6	50.9	48.8			
160	50.6	48.2	46.7	45.2	44.3	44.3	44.5	46.0	49.4	52.0	53.8	54.6	54.4	53.6	51.8	50.2			
165	52.6	50.8	49.6	48.1	47.3	47.3	47.3	48.4	51.5	53.5	54.9	55.6	55.3	54.4	52.9	51.6			
170	54.5	53.1	52.0	51.0	50.2	50.4	50.2	51.0	53.5	54.9	56.0	56.5	56.1	55.0	53.8	52.9			
175	56.0	54.8	54.4	53.6	52.9	53.0	52.3	52.7	55.4	55.9	56.6	56.7	56.2	55.5	54.3	54.1			
180	56.4	55.8	56.2	56.0	55.3	55.1	54.1	53.9	56.0	56.0	56.1	56.0	55.7	54.8	54.2	54.3			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-07-19

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: