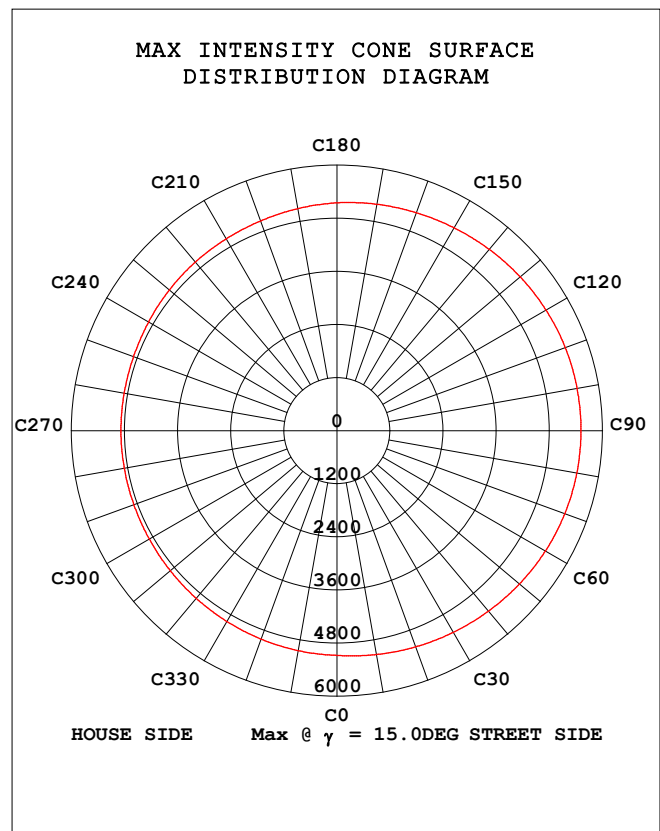
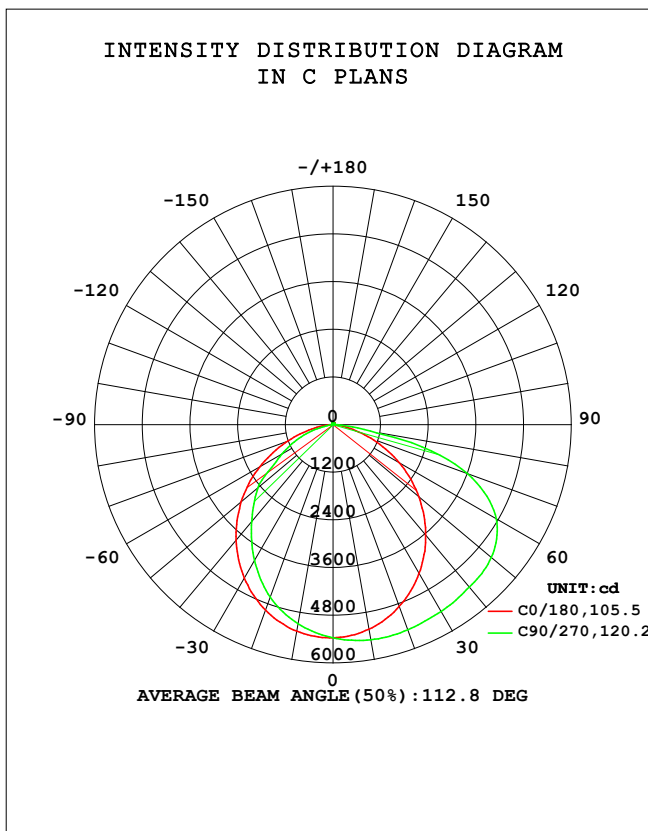


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.31V I:0.4409A P:120.80W PF:0.9952 Freq:60.00Hz Lamp Flux:15931.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.88 lm/W			
MODEL		Imax (cd)	5513	η street_up (%)	0.5
NOMINAL POWER(W)	120	LOR (%)	100.0	η street_down (%)	59.5
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	15931	η house_up (%)	0.6
NOMINAL FLUX(lm)	15931.3	MAXIMUM @ (C, γ)	90,15.0	η house_down (%)	39.4
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

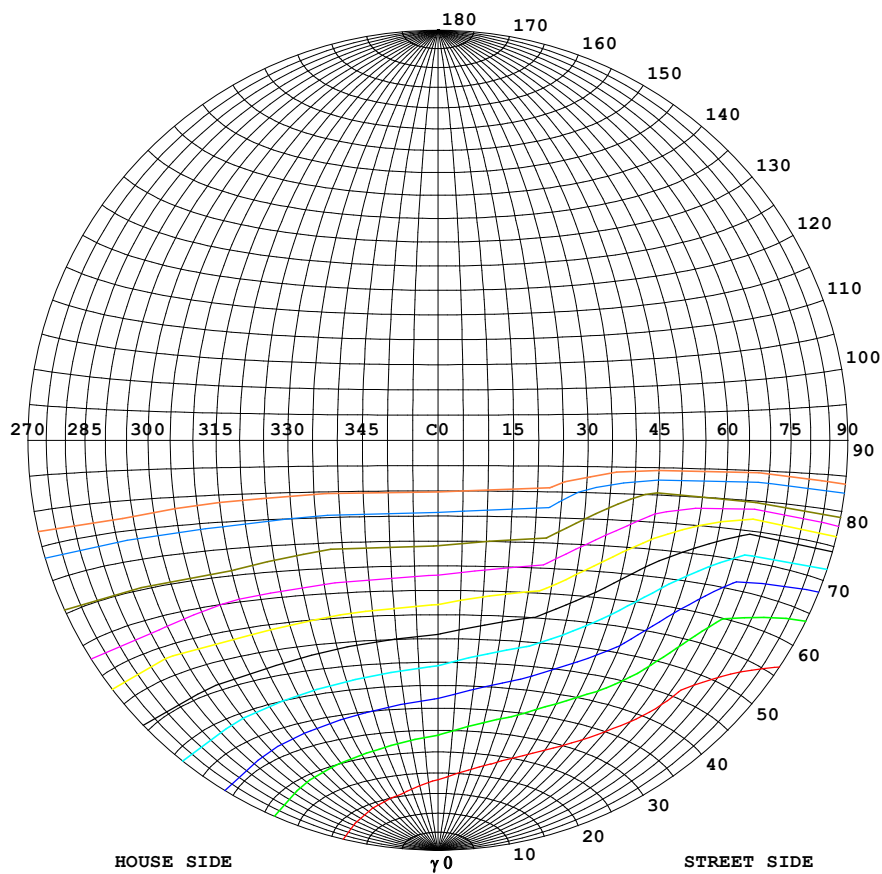


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.31V I:0.4409A P:120.80W PF:0.9952 Freq:60.00Hz Lamp Flux:15931.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

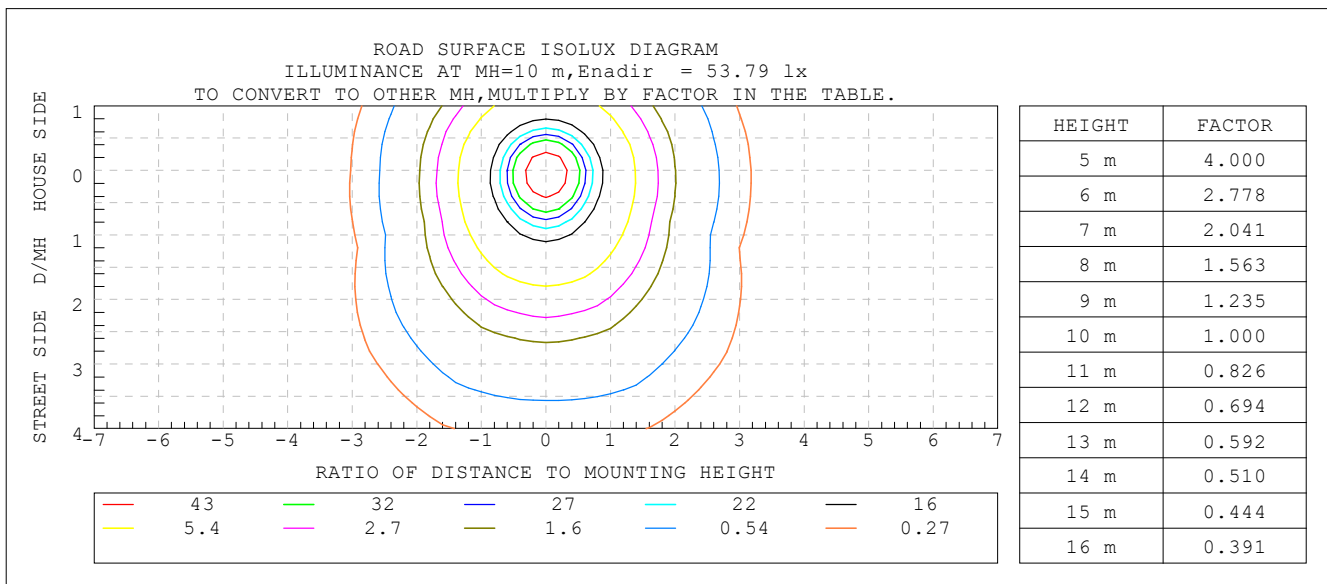
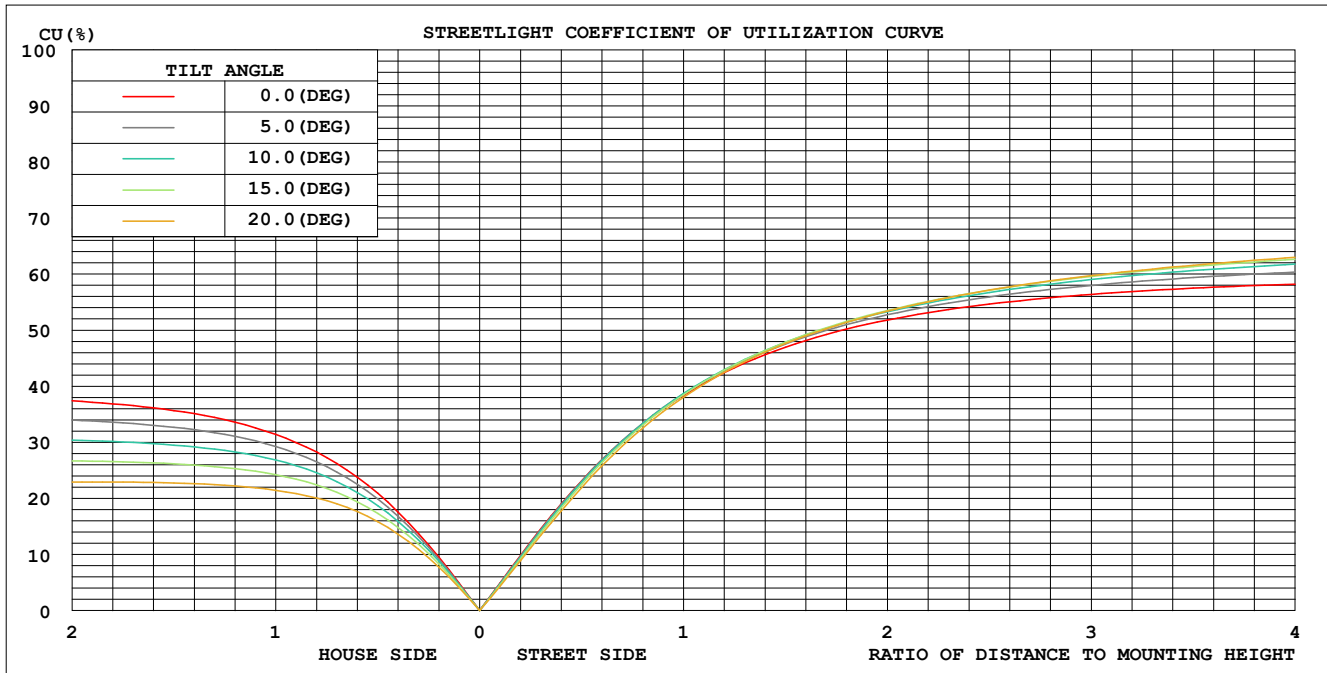
IES:Type IV - Very Short
CIE:Broad - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:85.43cd/klm
Max.At90:0.9432cd/klm
Max.80-90:85.43cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5513
90%	4962
80%	4411
70%	3859
60%	3308
50%	2757
40%	2205
30%	1654
20%	1103
10%	551
5%	276

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:275.31V I:0.4409A P:120.80W PF:0.9952 Freq:60.00Hz Lamp Flux:15931.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

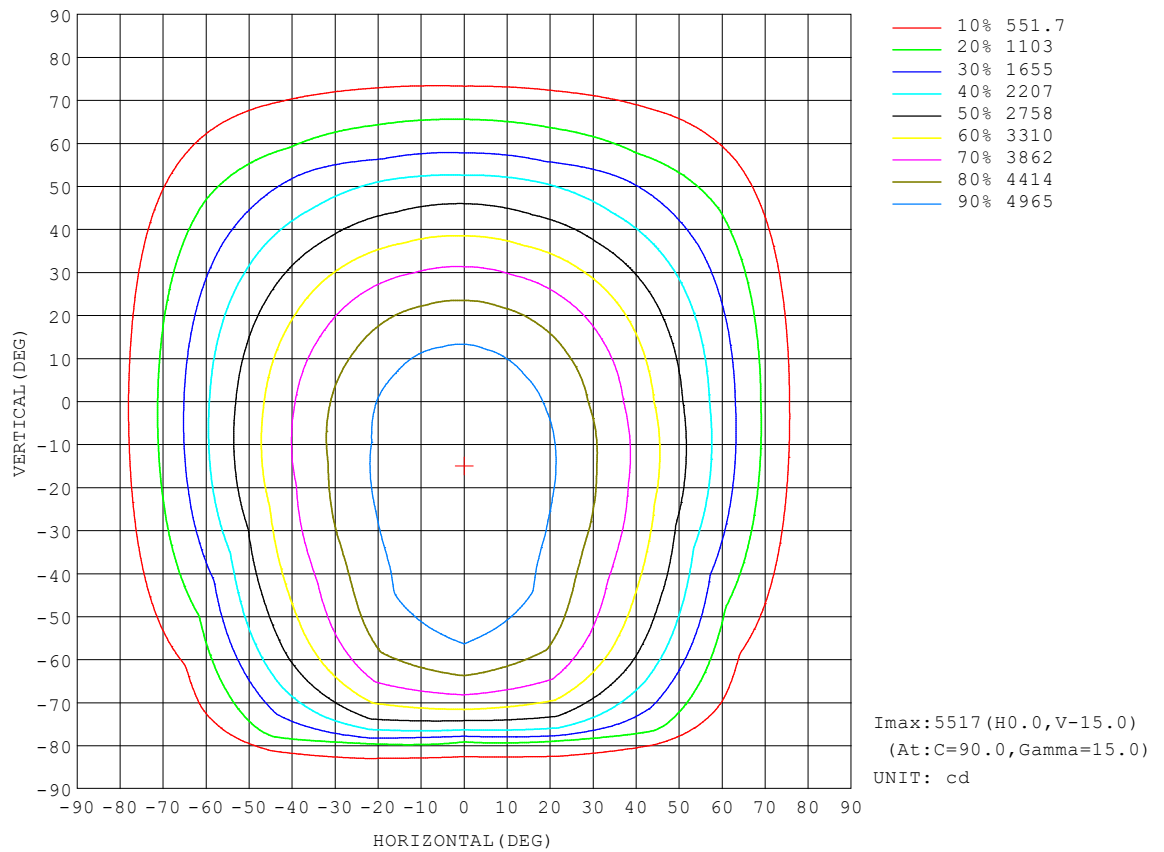
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5230	5403	5500	5420	5279	5147	5090	5124	0- 10	507.8	507.8	3.19,3.19
20	4874	5260	5497	5294	4969	4736	4622	4692	10- 20	1455	1963	12.3,12.3
30	4329	4950	5432	5001	4467	4132	3956	4073	20- 30	2206	4168	26.2,26.2
40	3632	4514	5340	4578	3799	3386	3190	3315	30- 40	2672	6840	42.9,42.9
50	2826	3934	5201	4000	3019	2576	2465	2502	40- 50	2821	9662	60.6,60.6
60	1932	3298	4745	3381	2125	1776	1495	1697	50- 60	2635	12297	77.2,77.2
70	1012	2396	3592	2517	1213	884.7	789.3	806.5	60- 70	2084	14381	90.3,90.3
80	261.7	1202	958.1	1361	412.5	257.6	142.4	186.1	70- 80	1191	15571	97.7,97.7
90	6.845	5.542	6.016	6.817	7.341	10.86	15.03	11.46	80- 90	185.5	15757	98.9,98.9
100	12.11	9.671	8.389	9.124	10.64	17.74	23.68	18.16	90-100	11.88	15769	99,99
110	18.64	15.19	13.57	14.48	16.82	25.13	31.37	25.29	100-110	17.80	15787	99.1,99.1
120	25.90	21.60	19.77	20.72	23.86	33.34	39.20	33.02	110-120	23.38	15810	99.2,99.2
130	32.94	28.34	26.43	27.29	31.05	40.70	45.17	39.24	120-130	27.43	15837	99.4,99.4
140	38.68	34.46	32.53	33.08	37.15	45.76	48.63	43.43	130-140	28.30	15866	99.6,99.6
150	43.63	40.03	38.10	38.54	42.25	48.72	50.75	46.54	140-150	25.97	15892	99.8,99.8
160	48.13	45.32	43.55	43.58	46.81	50.59	51.58	48.70	150-160	20.96	15913	99.9,99.9
170	52.18	50.03	48.55	48.65	51.32	52.73	52.30	50.80	160-170	13.83	15926	100,100
180	54.14	53.20	52.37	51.77	54.02	53.50	52.60	51.66	170-180	4.929	15931	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

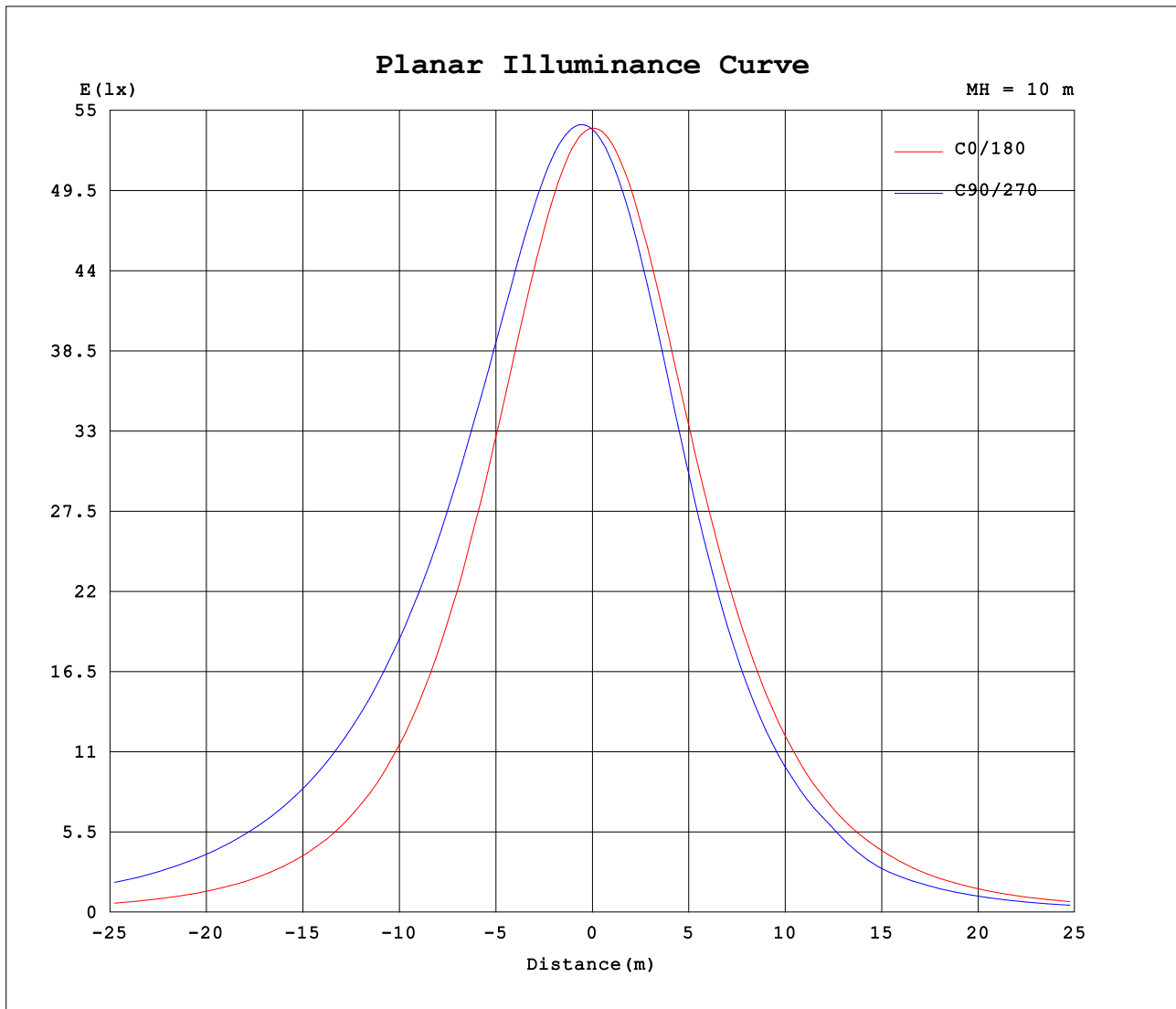
Test:U:275.31V I:0.4409A P:120.80W PF:0.9952 Freq:60.00Hz Lamp Flux:15931.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



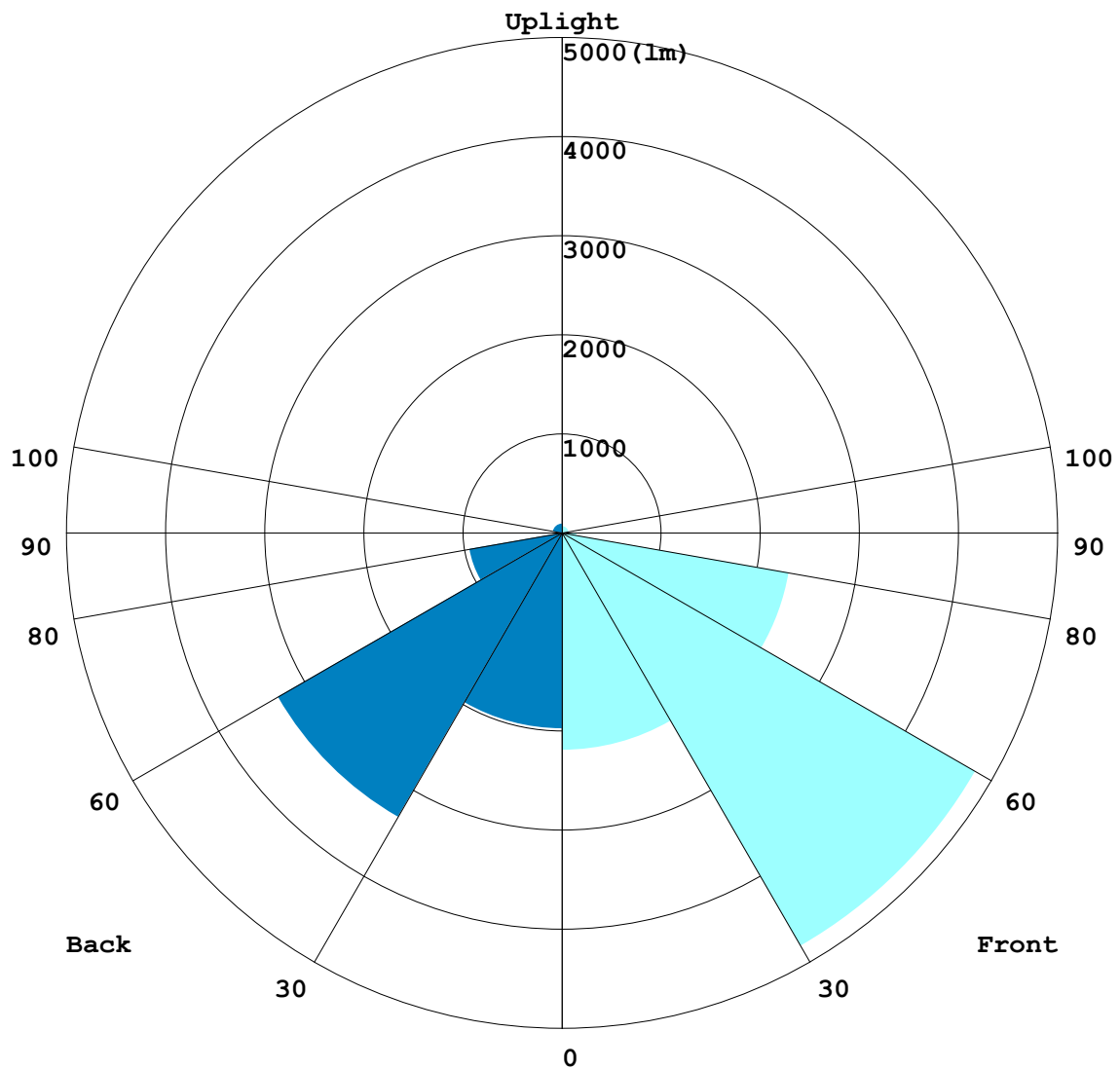
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.31V I:0.4409A P:120.80W PF:0.9952 Freq:60.00Hz Lamp Flux:15931.3x1 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:275.31V I:0.4409A P:120.80W PF:0.9952 Freq:60.00Hz Lamp Flux:15931.3x1 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)	2193.3	13.8
FM - Front-Medium(30-60)	4815.9	30.2
FH - Front-High(60-80)	2324.6	14.6
FVH - Front-Very High(80-90)	147.72	0.9
Total Forward Light	9555.1	60.0

BL - Back-Low(0-30)	1975.1	12.4
BM - Back-Medium(30-60)	3312.3	20.8
BH - Back-High(60-80)	950.17	6.0
BVH - Back-Very High(80-90)	37.759	0.2
Total Back Light	6376.2	40.0

UL - Uplight-Low(90-100)	11.88	0.1
UH - Uplight-High(100-180)	162.6	1.0
Total Up Light	174.48	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6275.3	100.89	6376.2
Street Side	9481.5	73.586	9555.1

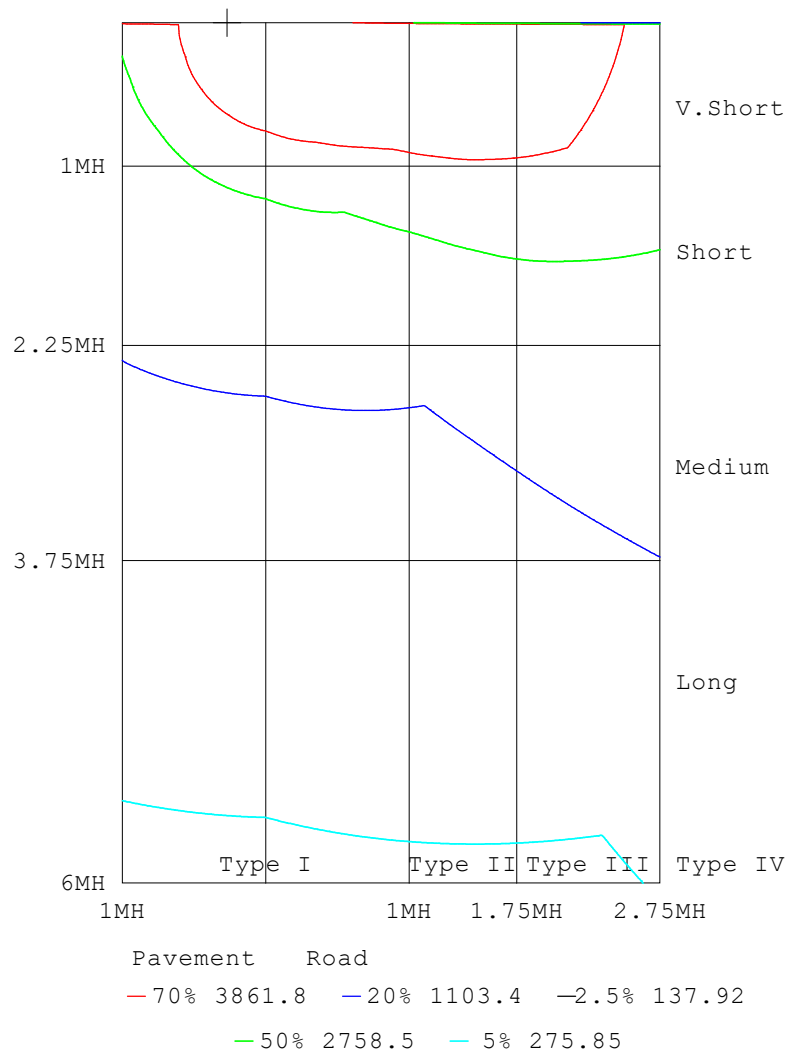
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.31V I:0.4409A P:120.80W PF:0.9952 Freq:60.00Hz Lamp Flux:15931.3x1 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:275.31V I:0.4409A P:120.80W PF:0.9952 Freq:60.00Hz Lamp Flux:15931.3x1 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	5367	5367	5367	5367	5367	5367	5367	5367	5367	5367	5367	5367	5367	5367	5367	5367			
5	5325	5367	5407	5437	5449	5441	5418	5383	5352	5306	5279	5253	5249	5249	5270	5298			
10	5230	5320	5403	5474	5500	5481	5420	5346	5279	5193	5147	5101	5090	5091	5124	5177			
15	5076	5213	5355	5471	5513	5483	5380	5255	5150	5035	4964	4897	4882	4887	4932	5004			
20	4874	5062	5260	5431	5497	5447	5294	5111	4969	4821	4736	4648	4622	4623	4692	4778			
25	4624	4863	5124	5365	5463	5387	5166	4923	4739	4569	4456	4339	4307	4318	4403	4516			
30	4329	4617	4950	5288	5432	5308	5001	4686	4467	4269	4132	3992	3956	3960	4073	4207			
35	3999	4324	4751	5203	5396	5228	4805	4407	4154	3937	3772	3622	3577	3584	3705	3862			
40	3632	3999	4514	5088	5340	5114	4578	4088	3799	3574	3386	3228	3190	3191	3315	3489			
45	3240	3633	4229	4986	5297	5010	4300	3728	3421	3178	2986	2845	2824	2810	2909	3088			
50	2826	3225	3934	4862	5201	4890	4000	3338	3019	2776	2576	2474	2465	2435	2502	2683			
55	2391	2757	3634	4671	5026	4708	3707	2890	2595	2358	2170	2074	1895	2008	2089	2261			
60	1932	2248	3298	4390	4745	4438	3381	2393	2125	1940	1776	1527	1495	1489	1697	1835			
65	1464	1715	2894	3988	4279	4056	2992	1850	1665	1511	1268	1165	1138	1125	1172	1410			
70	1012	1197	2396	3428	3592	3517	2517	1333	1213	1105	885	826	789	787	807	1009			
75	599	710	1823	2648	2562	2768	1952	836	785	708	565	479	417	436	498	585			
80	262	322	1202	986	958	1220	1361	424	412	330	258	158	142	136	186	260			
85	39.8	68.9	165	220	165	312	392	136	123	87.7	23.5	12.9	13.1	12.8	11.8	39.1			
90	6.85	6.00	5.54	5.90	6.02	6.59	6.82	7.12	7.34	8.07	10.9	13.9	15.0	14.3	11.5	8.61			
95	9.29	8.17	7.37	6.58	6.27	6.27	6.91	7.73	8.02	10.6	14.3	17.9	19.4	18.2	14.8	11.4			
100	12.1	10.6	9.67	8.79	8.39	8.44	9.12	10.1	10.6	13.7	17.7	22.0	23.7	22.1	18.2	14.5			
105	15.3	13.4	12.3	11.3	10.9	10.9	11.7	12.8	13.6	17.2	21.4	25.7	27.7	25.6	21.6	17.9			
110	18.6	16.4	15.2	14.0	13.6	13.6	14.5	15.8	16.8	20.9	25.1	29.4	31.4	29.2	25.3	21.5			
115	22.2	19.7	18.3	17.1	16.6	16.5	17.5	19.0	20.3	24.7	29.2	33.3	35.3	33.1	29.2	25.3			
120	25.9	23.2	21.6	20.3	19.8	19.7	20.7	22.3	23.9	28.7	33.3	37.4	39.2	37.1	33.0	29.1			
125	29.6	26.6	25.0	23.7	23.1	23.0	24.0	25.8	27.6	32.5	37.2	40.9	42.7	40.5	36.4	32.5			
130	32.9	30.0	28.3	27.0	26.4	26.3	27.3	29.2	31.0	35.9	40.7	43.7	45.2	43.1	39.2	35.6			
135	36.0	33.2	31.4	30.2	29.5	29.3	30.3	32.2	34.2	38.8	43.6	46.1	47.0	45.1	41.5	38.2			
140	38.7	36.1	34.5	33.2	32.5	32.2	33.1	35.1	37.1	41.4	45.8	48.1	48.6	46.7	43.4	40.6			
145	41.2	38.9	37.2	36.0	35.3	35.0	35.8	37.7	39.8	43.6	47.5	49.6	49.9	48.1	45.1	42.7			
150	43.6	41.6	40.0	38.8	38.1	37.8	38.5	40.3	42.2	45.5	48.7	50.4	50.8	49.0	46.5	44.6			
155	45.9	44.1	42.7	41.5	40.9	40.4	41.1	42.7	44.5	47.2	49.7	51.0	51.2	49.6	47.7	46.2			
160	48.1	46.6	45.3	44.2	43.6	43.1	43.6	45.0	46.8	48.8	50.6	51.4	51.6	50.2	48.7	47.7			
165	50.3	49.1	47.8	46.7	46.1	45.7	46.1	47.3	49.1	50.4	51.7	51.9	51.9	50.8	49.8	49.3			
170	52.2	51.2	50.0	49.2	48.6	48.3	48.7	49.5	51.3	52.0	52.7	52.5	52.3	51.4	50.8	50.8			
175	53.6	52.9	51.8	51.3	50.6	50.5	50.5	50.9	53.2	53.4	53.7	53.1	52.7	52.0	51.6	52.0			
180	54.1	53.6	53.2	53.1	52.4	52.1	51.8	51.8	54.0	53.6	53.5	52.9	52.6	51.9	51.7	52.2			

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: