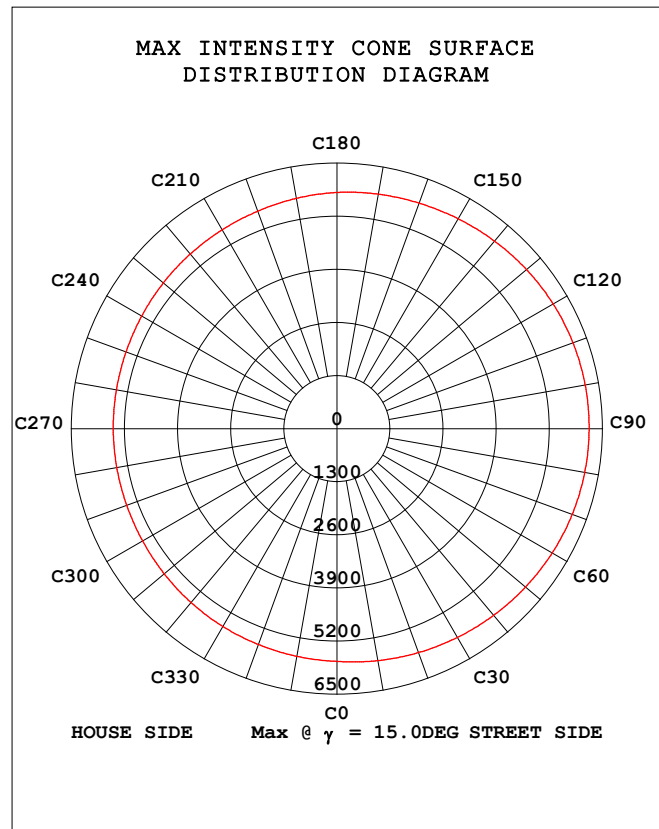
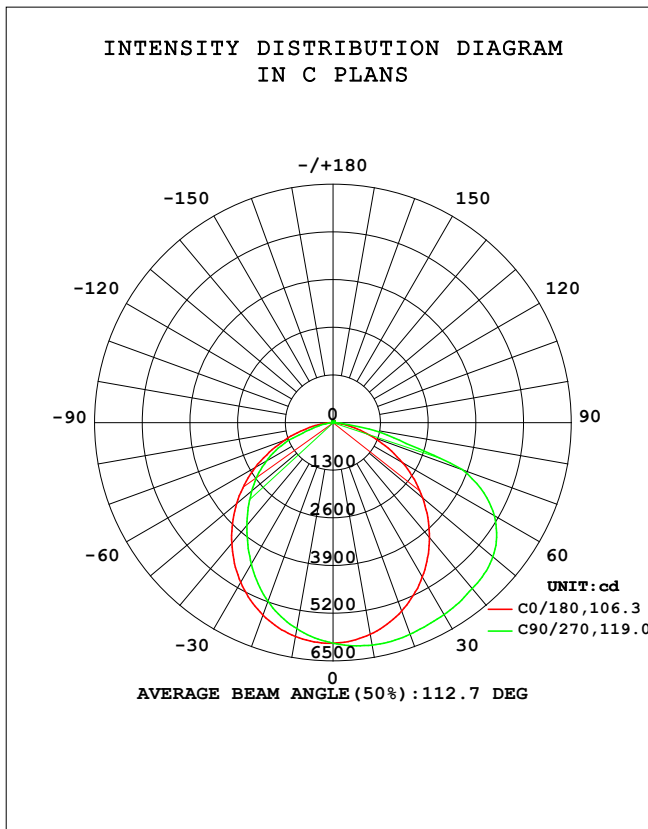


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.34V I:0.4444A P:121.70W PF:0.9945 Freq:60.00Hz Lamp Flux:17847.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.65 lm/W			
MODEL		I _{max} (cd)	6172	η street_up (%)	0.5
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	58.0
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	17847	η house_up (%)	0.6
NOMINAL FLUX (lm)	17847.1	MAXIMUM @ (C, γ)	90, 15.0	η house_down (%)	40.9
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

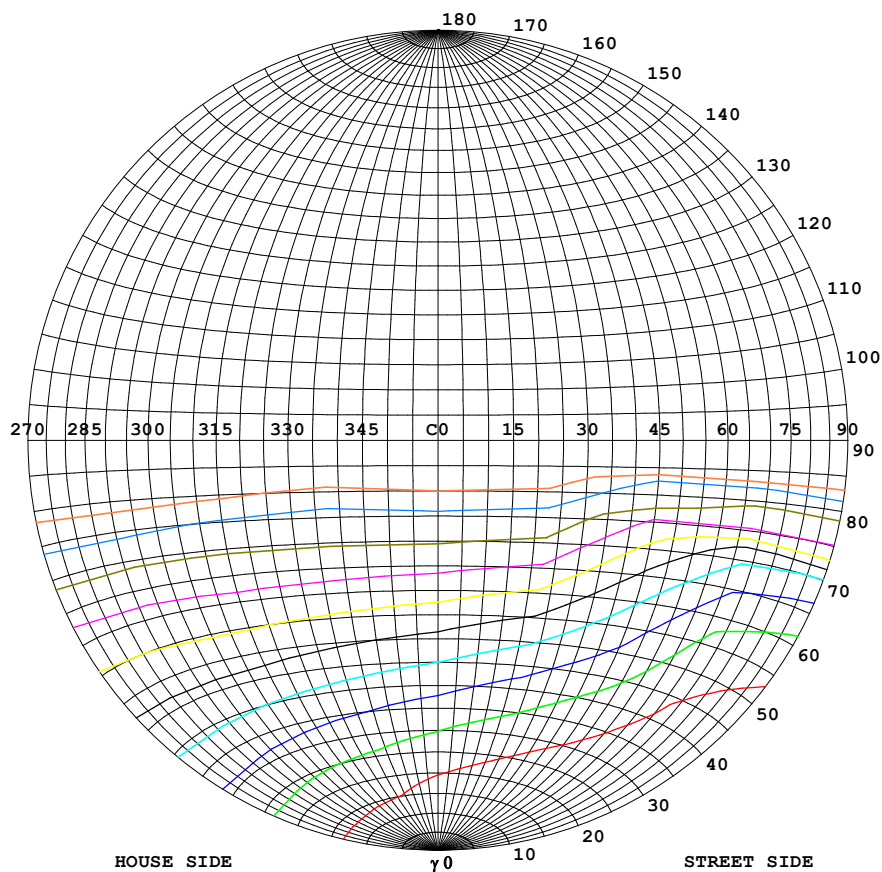


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.34V I:0.4444A P:121.70W PF:0.9945 Freq:60.00Hz Lamp Flux:17847.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

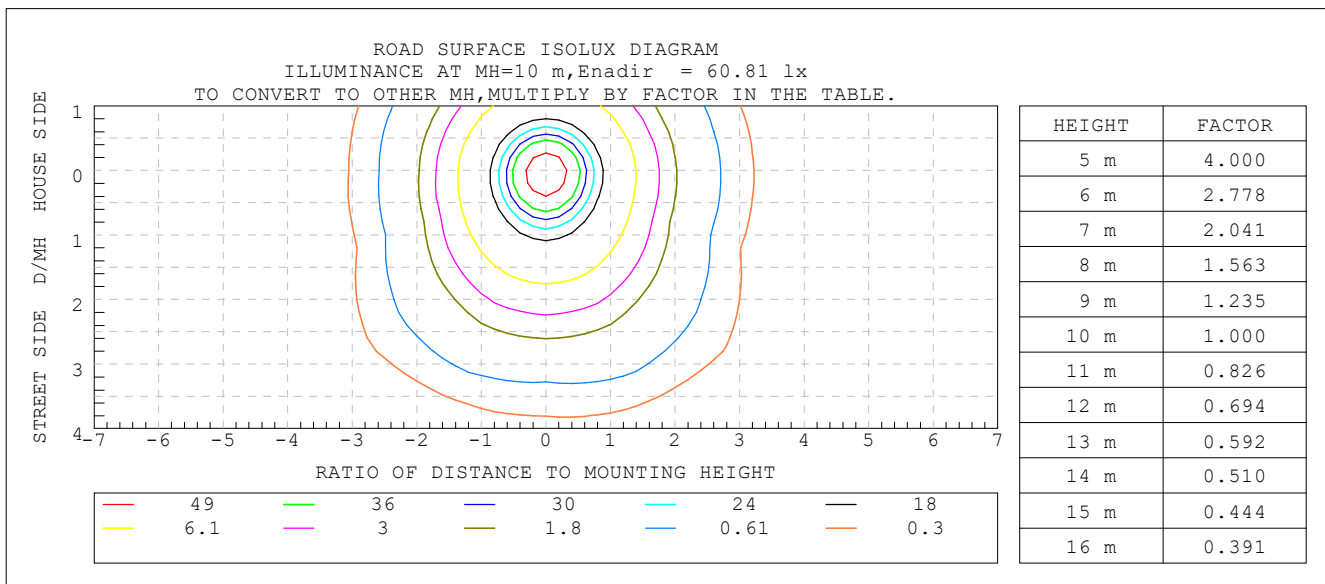
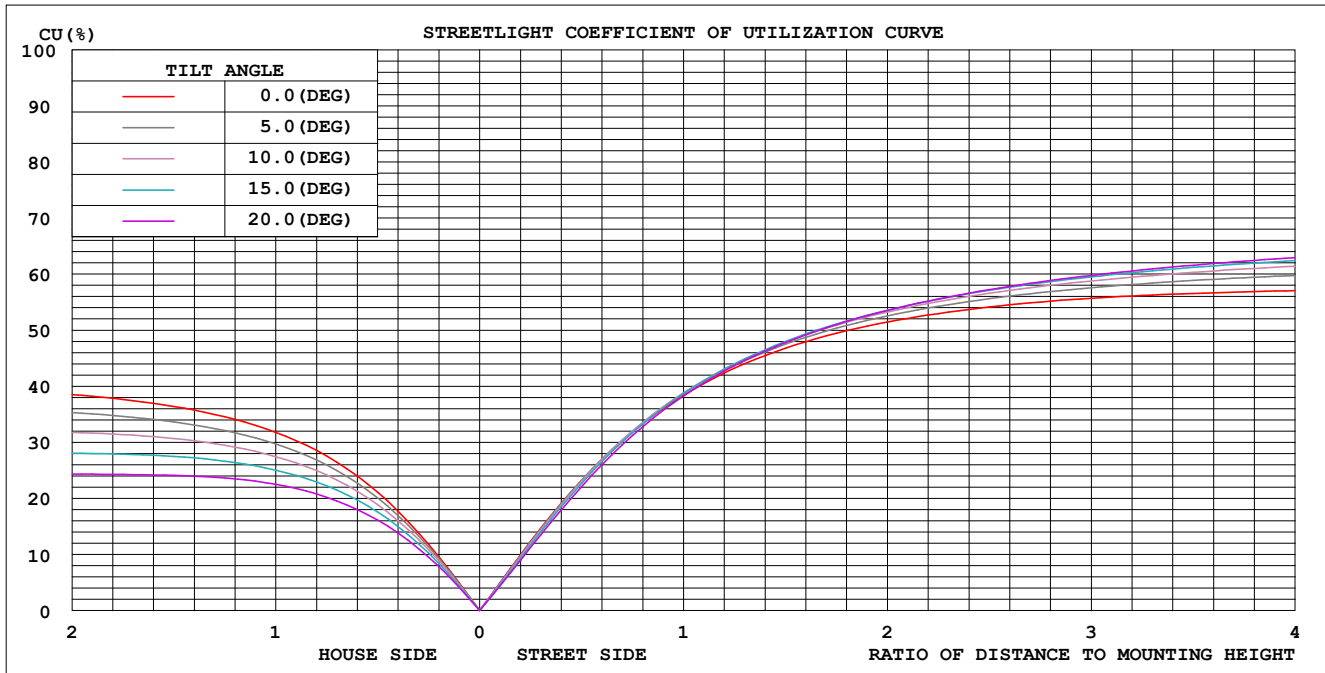
IES:Type IV - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:67.89cd/klm
Max.At90:0.8719cd/klm
Max.80-90:67.89cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6172
90%	5555
80%	4938
70%	4320
60%	3703
50%	3086
40%	2469
30%	1852
20%	1234
10%	617
5%	309

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:275.34V I:0.4444A P:121.70W PF:0.9945 Freq:60.00Hz Lamp Flux:17847.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

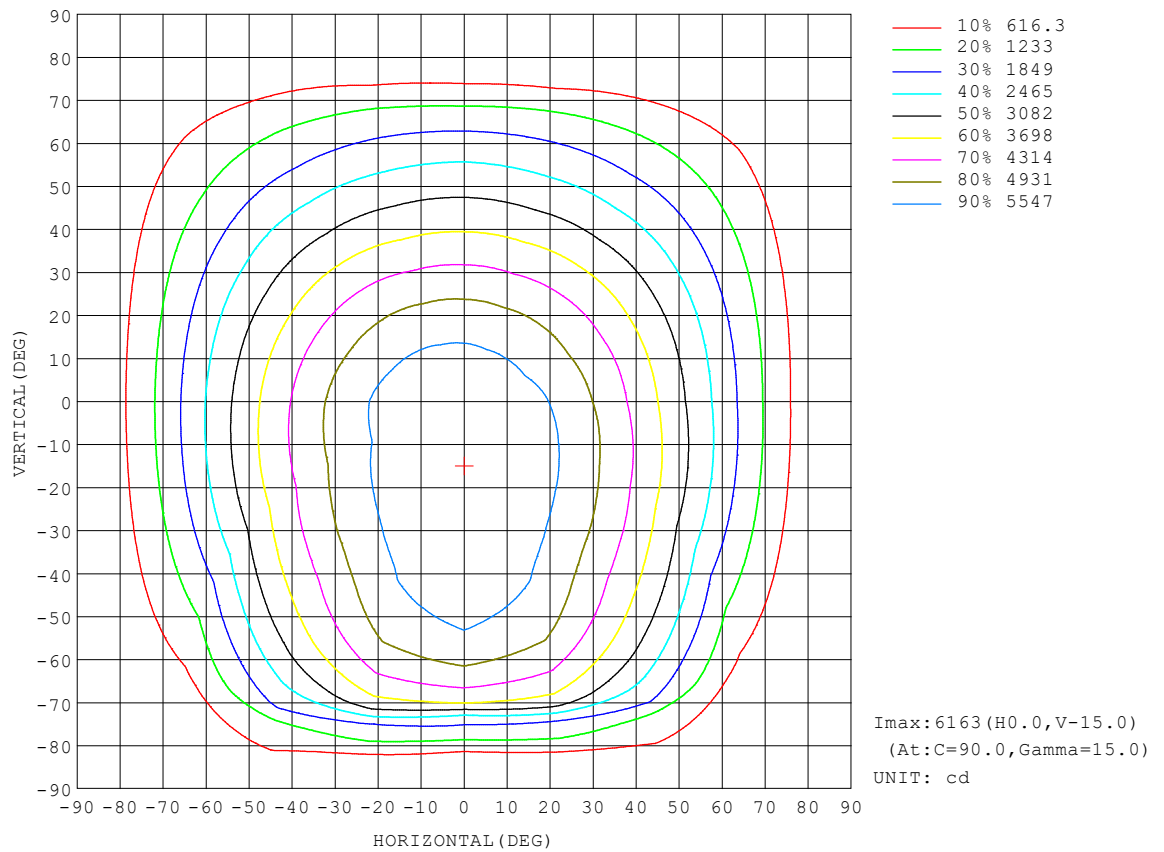
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5863	6050	6157	6075	5923	5773	5704	5751	0- 10	569.3	569.3	3.19,3.19
20	5469	5887	6143	5932	5588	5316	5188	5275	10- 20	1632	2201	12.3,12.3
30	4868	5534	6046	5595	5036	4654	4461	4591	20- 30	2474	4675	26.2,26.2
40	4095	5036	5907	5114	4296	3836	3656	3759	30- 40	3001	7676	43,43
50	3198	4371	5693	4463	3431	2961	2896	2884	40- 50	3176	10852	60.8,60.8
60	2189	3628	5081	3738	2456	2096	2099	2012	50- 60	2990	13842	77.6,77.6
70	1162	2585	3743	2729	1411	1260	997.0	1166	60- 70	2389	16231	90.9,90.9
80	299.9	886.2	1005	1020	500.0	336.8	207.1	260.4	70- 80	1234	17466	97.9,97.9
90	7.749	6.842	7.224	7.575	8.353	11.41	15.56	12.39	80- 90	186.3	17652	98.9,98.9
100	13.51	11.62	10.79	11.02	11.81	18.93	25.14	19.93	90-100	13.30	17665	99,99
110	20.63	17.71	16.70	16.99	18.60	27.07	34.10	27.99	100-110	19.96	17685	99.1,99.1
120	28.56	24.77	23.47	23.94	26.32	36.08	42.83	36.80	110-120	26.14	17711	99.2,99.2
130	36.20	32.11	30.81	31.25	34.17	44.38	50.23	44.23	120-130	30.66	17742	99.4,99.4
140	42.46	38.69	37.37	37.68	40.86	50.30	54.35	49.07	130-140	31.66	17774	99.6,99.6
150	47.83	44.82	43.64	43.52	46.36	53.67	57.14	52.59	140-150	29.05	17803	99.8,99.8
160	52.65	50.51	49.47	48.92	51.36	55.76	58.16	55.05	150-160	23.40	17826	99.9,99.9
170	56.94	55.69	55.02	54.51	56.30	58.14	59.00	57.39	160-170	15.42	17842	100,100
180	58.88	59.19	59.35	57.89	59.30	58.94	59.33	58.46	170-180	5.491	17847	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

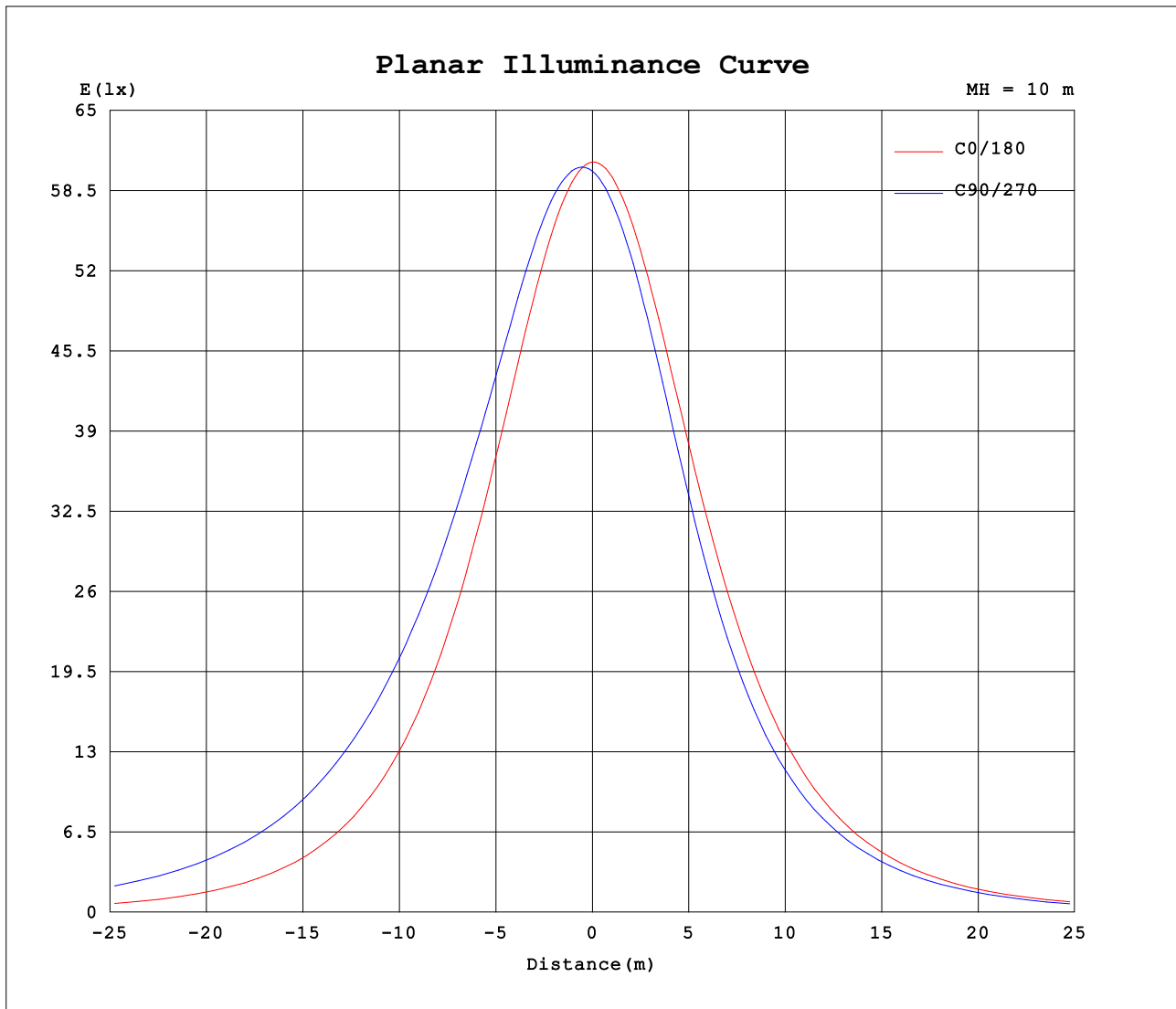
Test:U:275.34V I:0.4444A P:121.70W PF:0.9945 Freq:60.00Hz Lamp Flux:17847.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



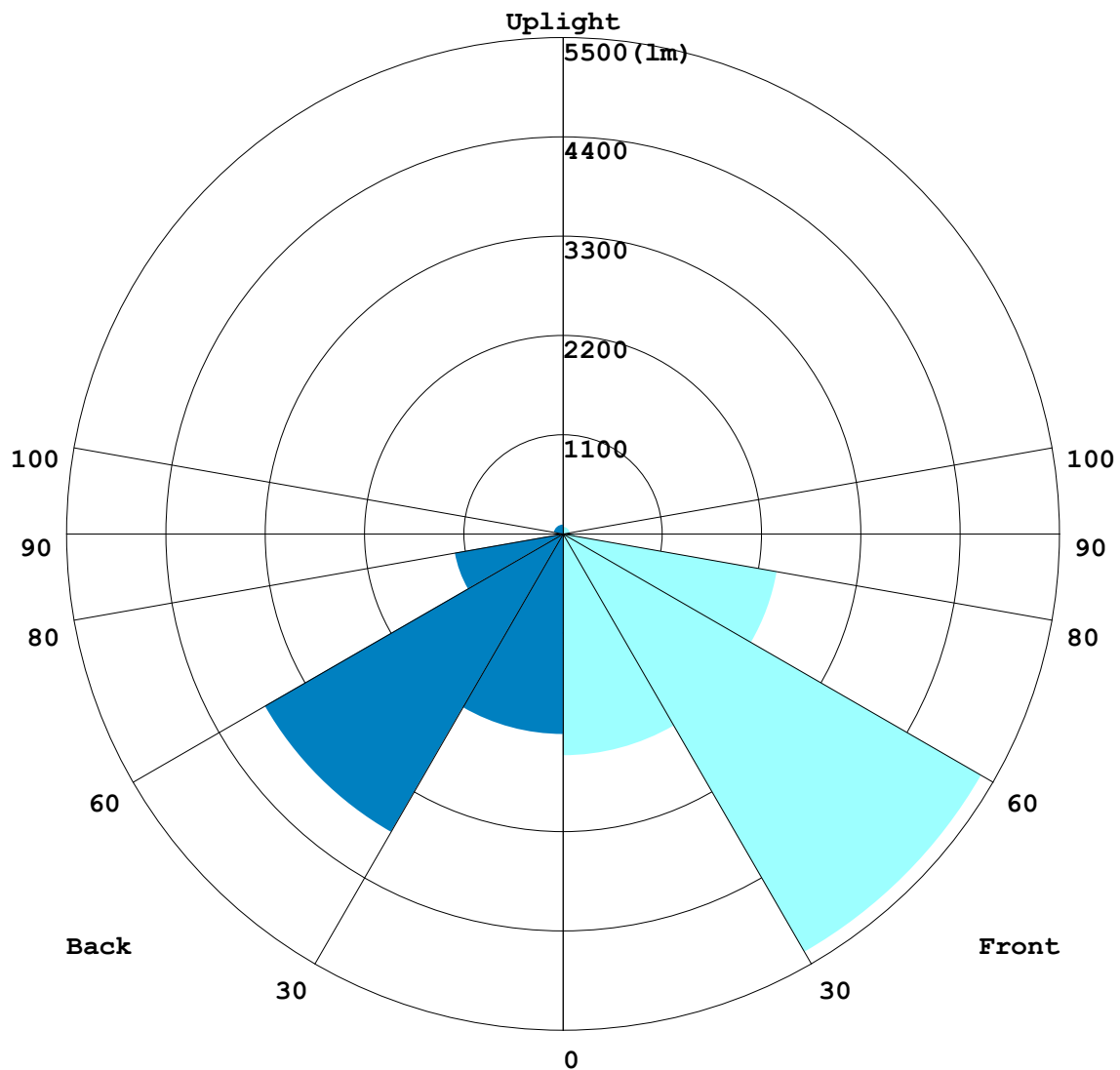
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.34V I:0.4444A P:121.70W PF:0.9945 Freq:60.00Hz Lamp Flux:17847.1x1 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:275.34V I:0.4444A P:121.70W PF:0.9945 Freq:60.00Hz Lamp Flux:17847.1x1 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)	2455.6	13.8
FM - Front-Medium(30-60)	5350.2	30.0
FH - Front-High(60-80)	2406.1	13.5
FVH - Front-Very High(80-90)	132.14	0.7
Total Forward Light	10428	58.4

BL - Back-Low(0-30)	2219.7	12.4
BM - Back-Medium(30-60)	3816.9	21.4
BH - Back-High(60-80)	1217.3	6.8
BVH - Back-Very High(80-90)	54.184	0.3
Total Back Light	7419.2	41.6

UL - Uplight-Low(90-100)	13.298	0.1
UH - Uplight-High(100-180)	181.78	1.0
Total Up Light	195.07	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7308	111.19	7419.2
Street Side	10344	83.879	10428

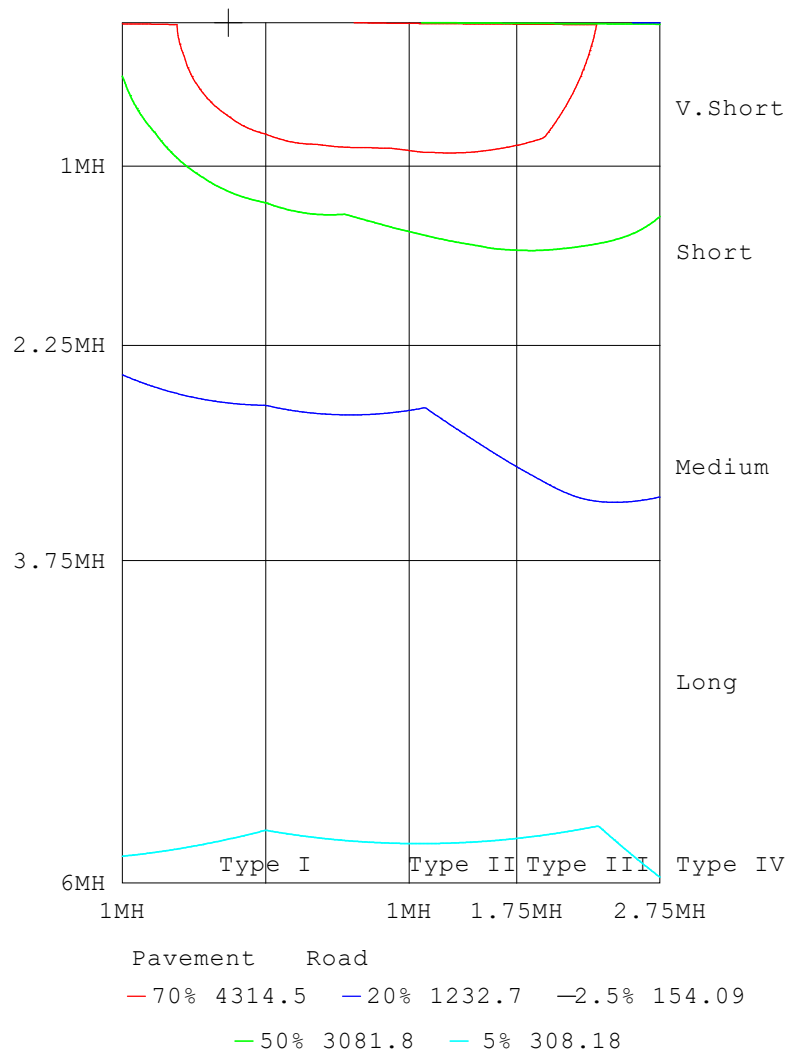
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.34V I:0.4444A P:121.70W PF:0.9945 Freq:60.00Hz Lamp Flux:17847.1x1 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:275.34V I:0.4444A P:121.70W PF:0.9945 Freq:60.00Hz Lamp Flux:17847.1x1 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	6016	6016	6016	6016	6016	6016	6016	6016	6016	6016	6016	6016	6016	6016	6016	6016			
5	5969	6022	6060	6092	6105	6101	6073	6035	6000	5955	5918	5893	5887	5886	5911	5939			
10	5863	5964	6050	6130	6157	6139	6075	5991	5923	5832	5773	5720	5704	5707	5751	5806			
15	5694	5849	5997	6120	6172	6142	6031	5891	5784	5656	5570	5501	5477	5481	5540	5614			
20	5469	5677	5887	6072	6143	6096	5932	5733	5588	5422	5316	5214	5188	5190	5275	5365			
25	5193	5457	5731	5993	6092	6017	5785	5523	5340	5144	5011	4885	4847	4853	4956	5075			
30	4868	5183	5534	5894	6046	5922	5595	5263	5036	4813	4654	4500	4461	4464	4591	4734			
35	4500	4856	5301	5789	5994	5820	5370	4948	4687	4446	4259	4101	4060	4059	4187	4354			
40	4095	4491	5036	5648	5907	5681	5114	4593	4296	4043	3836	3683	3656	3650	3759	3943			
45	3663	4076	4708	5512	5836	5548	4804	4192	3880	3610	3403	3283	3271	3240	3323	3501			
50	3198	3620	4371	5347	5693	5391	4463	3756	3431	3158	2961	2892	2896	2848	2884	3048			
55	2707	3098	4026	5102	5447	5152	4124	3257	2957	2698	2535	2506	2519	2461	2453	2580			
60	2189	2537	3628	4739	5081	4802	3738	2698	2456	2225	2096	2103	2099	2051	2012	2105			
65	1667	1925	3149	4259	4541	4341	3277	2093	1918	1756	1683	1677	1647	1619	1592	1631			
70	1162	1343	2585	3617	3743	3716	2729	1513	1411	1306	1260	1184	997	1085	1166	1187			
75	690	792	1927	1913	1882	2259	2097	954	927	875	818	581	525	532	663	758			
80	300	350	886	1093	1005	1212	1020	480	500	488	337	237	207	193	260	381			
85	37.1	63.2	152	118	79.6	177	265	120	154	132	55.9	18.4	15.5	15.3	18.6	64.6			
90	7.75	7.09	6.84	7.07	7.22	7.54	7.58	7.89	8.35	8.98	11.4	14.4	15.6	15.1	12.4	9.48			
95	10.4	9.46	8.99	8.48	8.25	8.21	8.46	8.98	8.95	11.4	15.1	18.8	20.3	19.5	16.1	12.6			
100	13.5	12.2	11.6	11.0	10.8	10.7	11.0	11.7	11.8	14.8	18.9	23.3	25.1	23.9	19.9	16.0			
105	16.9	15.2	14.5	13.8	13.6	13.6	13.9	14.7	15.0	18.6	22.9	27.7	29.9	28.2	23.9	19.7			
110	20.6	18.5	17.7	16.9	16.7	16.6	17.0	18.0	18.6	22.6	27.1	31.8	34.1	32.2	28.0	23.7			
115	24.5	22.1	21.1	20.2	20.0	19.9	20.4	21.5	22.4	26.8	31.5	36.1	38.4	36.5	32.4	27.9			
120	28.6	25.9	24.8	23.7	23.5	23.4	23.9	25.3	26.3	31.2	36.1	40.7	42.8	41.1	36.8	32.1			
125	32.5	29.6	28.5	27.4	27.1	27.1	27.7	29.1	30.4	35.4	40.5	44.9	47.0	45.2	40.9	36.0			
130	36.2	33.3	32.1	31.0	30.8	30.7	31.3	32.8	34.2	39.2	44.4	48.3	50.2	48.5	44.2	39.4			
135	39.5	36.6	35.4	34.4	34.2	34.1	34.5	36.2	37.7	42.5	47.7	51.1	52.5	50.8	46.8	42.3			
140	42.5	39.8	38.7	37.6	37.4	37.3	37.7	39.3	40.9	45.3	50.3	53.5	54.4	52.7	49.1	44.9			
145	45.2	42.8	41.8	40.7	40.5	40.4	40.6	42.1	43.8	47.8	52.2	55.5	56.2	54.5	51.0	47.2			
150	47.8	45.8	44.8	43.8	43.6	43.5	43.5	44.9	46.4	49.8	53.7	56.5	57.1	55.5	52.6	49.2			
155	50.3	48.5	47.7	46.7	46.7	46.4	46.2	47.5	48.9	51.7	54.7	57.2	57.7	56.3	53.9	50.9			
160	52.6	51.2	50.5	49.6	49.5	49.2	48.9	50.1	51.4	53.5	55.8	57.6	58.2	56.9	55.1	52.5			
165	54.9	53.8	53.3	52.4	52.3	52.1	51.7	52.6	53.9	55.3	56.9	58.2	58.5	57.6	56.2	54.2			
170	56.9	56.1	55.7	55.0	55.0	55.0	54.5	55.0	56.3	57.0	58.1	58.9	59.0	58.2	57.4	55.8			
175	58.4	57.8	57.6	57.3	57.3	57.4	56.5	56.6	58.3	58.5	59.2	59.6	59.4	58.9	58.4	57.2			
180	58.9	58.4	59.2	59.4	59.3	59.3	57.9	57.7	59.3	58.8	58.9	59.4	59.3	58.8	58.5	57.3			

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: