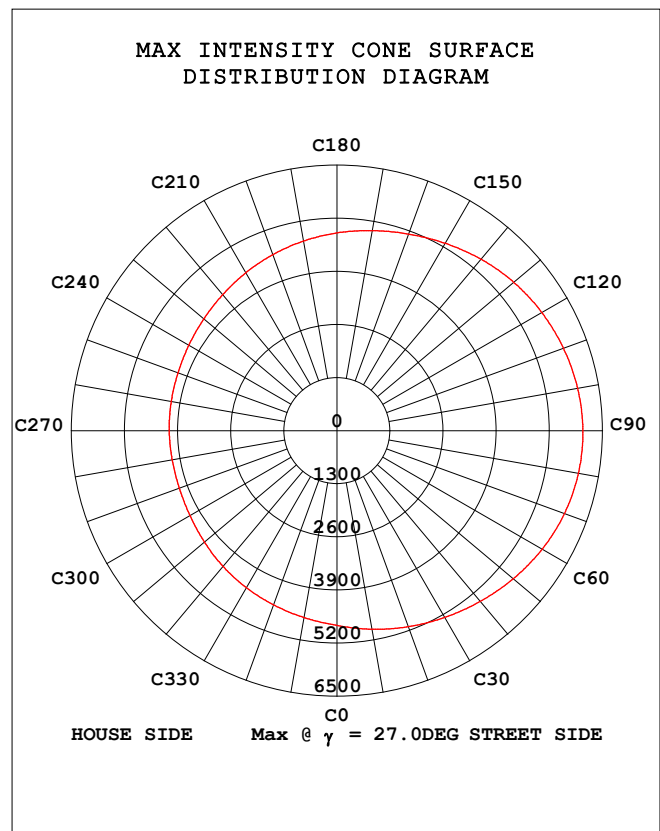
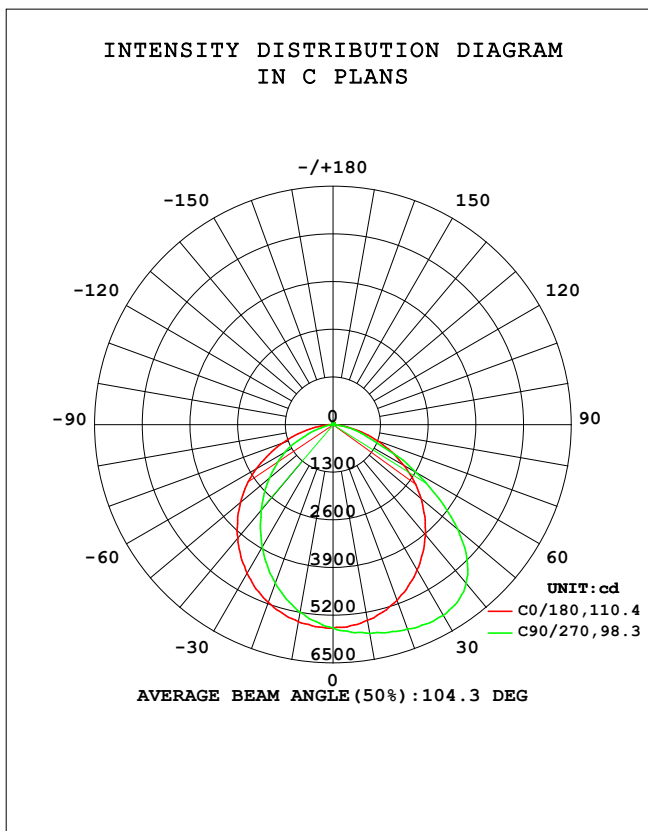


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.32V I:0.3740A P:102.25W PF:0.9929 Freq:60.00Hz Lamp Flux:15748.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.03 lm/W			
MODEL		I _{max} (cd)	6019	η street_up (%)	0.5
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	58.5
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	15749	η house_up (%)	0.6
NOMINAL FLUX (lm)	15748.8	MAXIMUM @ (C, γ)	90, 27.0	η house_down (%)	40.4
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

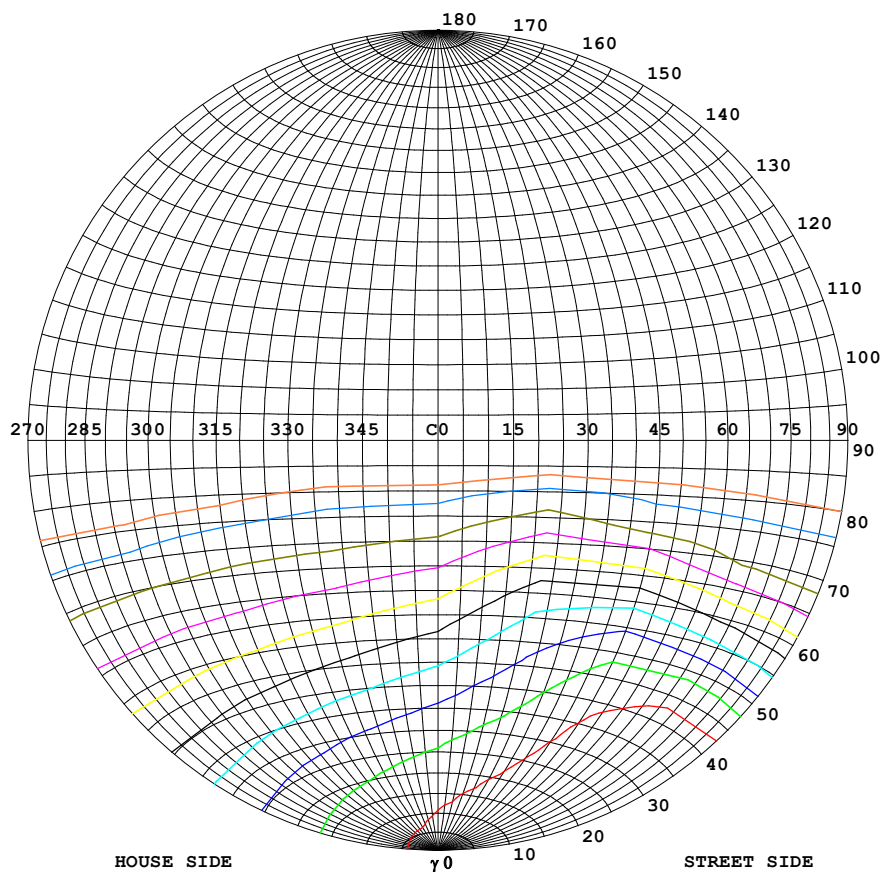


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.32V I:0.3740A P:102.25W PF:0.9929 Freq:60.00Hz Lamp Flux:15748.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

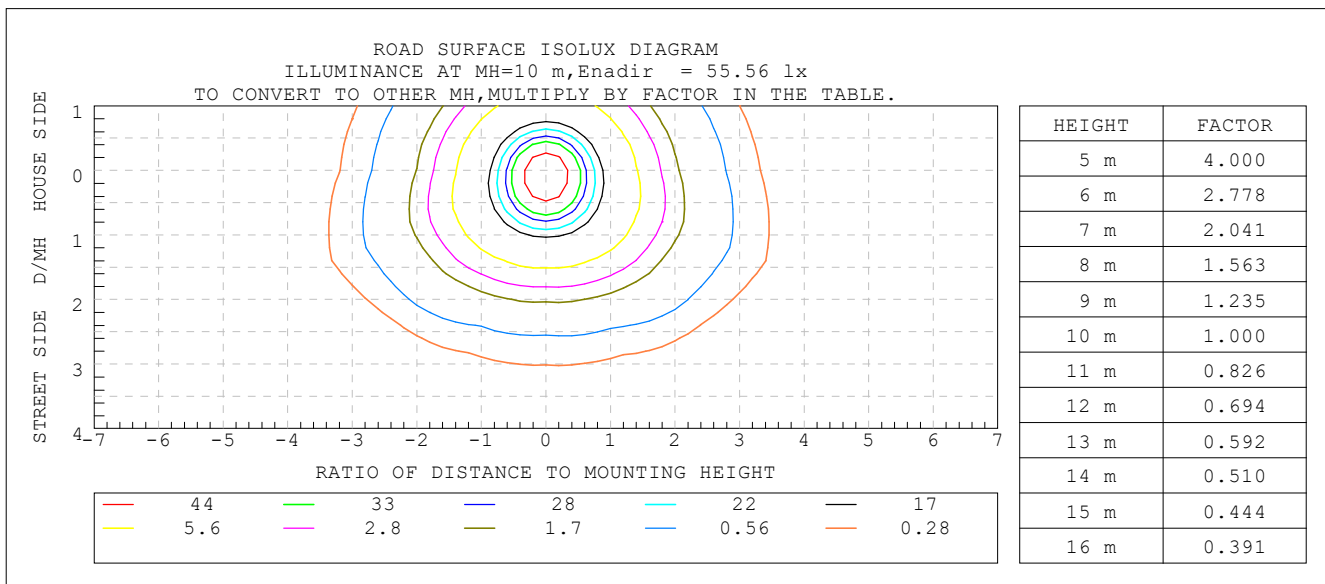
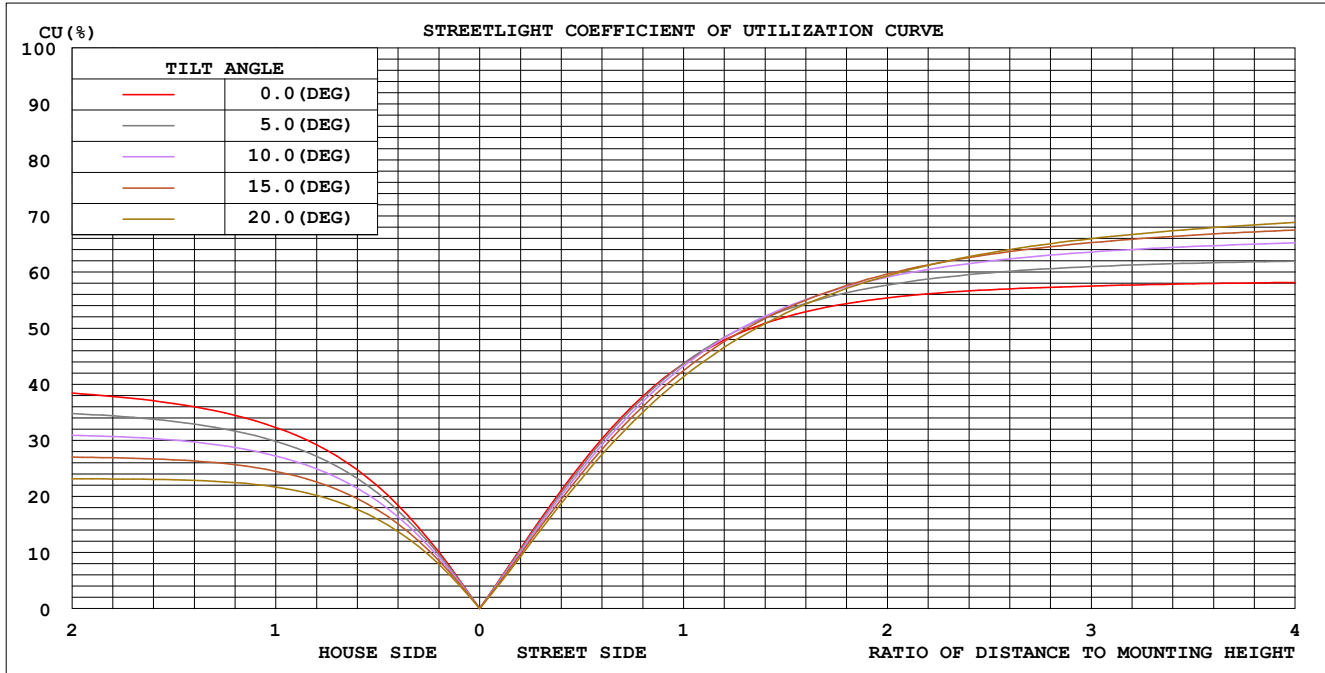
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:57.52cd/klm
Max.At90:0.6122cd/klm
Max.80-90:57.52cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6019
90%	5417
80%	4815
70%	4213
60%	3612
50%	3010
40%	2408
30%	1806
20%	1204
10%	602
5%	301

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:275.32V I:0.3740A P:102.25W PF:0.9929 Freq:60.00Hz Lamp Flux:15748.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

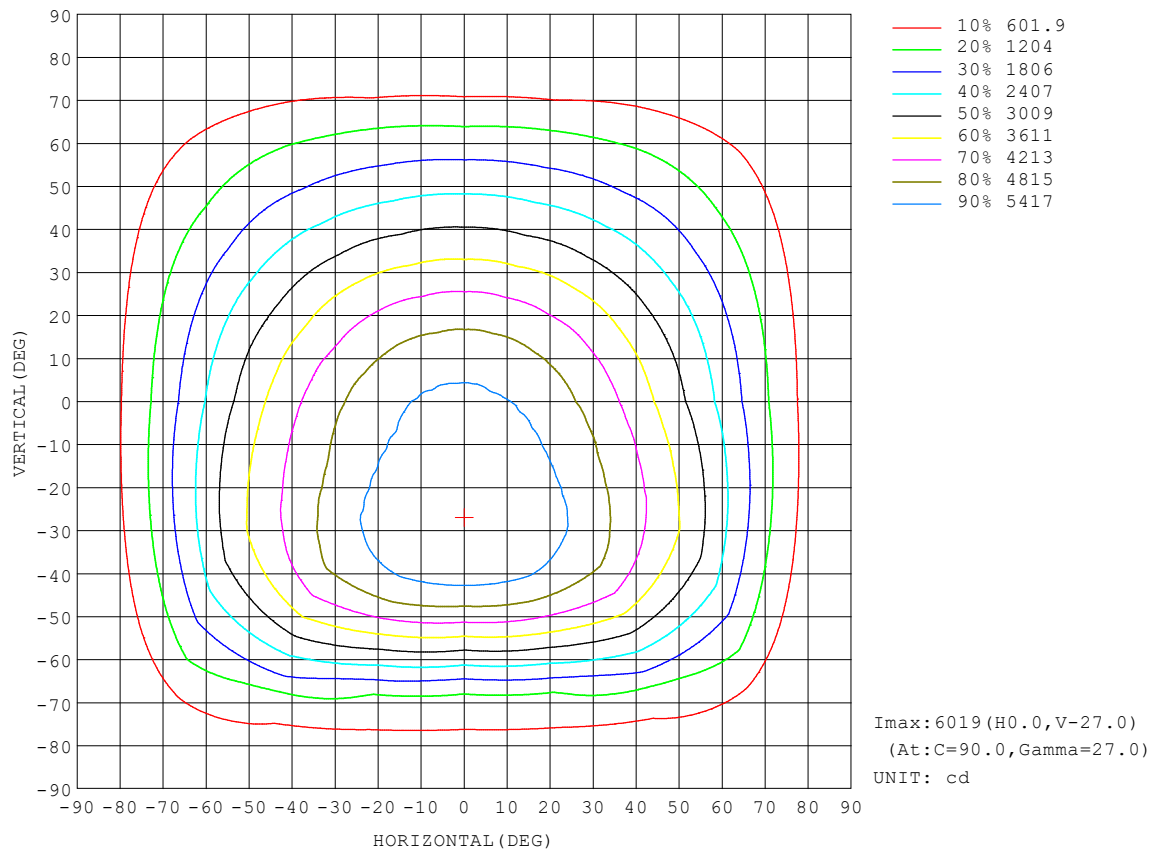
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	5420	5636	5779	5658	5459	5248	5193	5263	0- 10	525.2	525.2	3.33,3.33
20	5104	5623	5931	5646	5160	4773	4607	4741	10- 20	1509	2035	12.9,12.9
30	4581	5519	6011	5518	4692	4095	3863	4077	20- 30	2311	4346	27.6,27.6
40	3925	5253	5647	5290	4042	3312	3049	3268	30- 40	2832	7178	45.6,45.6
50	3134	4653	4443	4705	3301	2490	2265	2450	40- 50	2970	10148	64.4,64.4
60	2242	3403	2625	3543	2424	1720	1530	1673	50- 60	2624	12773	81.1,81.1
70	1285	1816	1010	1953	1466	1028	660.3	970.7	60- 70	1824	14597	92.7,92.7
80	390.8	479.3	294.1	542.3	573.8	246.3	128.7	198.5	70- 80	845.8	15442	98.1,98.1
90	8.317	5.340	4.735	5.874	8.737	8.982	7.016	9.641	80- 90	131.7	15574	98.9,98.9
100	14.15	9.390	7.880	9.289	12.86	15.97	14.19	16.87	90-100	10.54	15585	99,99
110	21.25	14.66	12.80	14.64	19.59	23.93	23.42	24.80	100-110	16.78	15601	99.1,99.1
120	28.89	21.00	18.72	20.90	27.25	32.24	32.84	33.15	110-120	22.87	15624	99.2,99.2
130	36.19	27.75	25.38	27.69	34.71	39.96	41.59	41.19	120-130	27.41	15652	99.4,99.4
140	41.82	34.13	31.63	33.77	40.78	46.03	47.79	46.98	130-140	28.89	15681	99.6,99.6
150	46.48	40.19	37.77	39.60	45.62	50.54	51.51	50.29	140-150	26.84	15707	99.7,99.7
160	50.84	45.75	43.71	45.14	49.74	53.50	53.74	52.50	150-160	21.80	15729	99.9,99.9
170	54.60	51.25	49.72	50.83	54.12	55.65	55.06	54.47	160-170	14.45	15744	100,100
180	56.73	55.28	54.68	54.92	56.62	55.72	54.58	54.74	170-180	5.160	15749	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

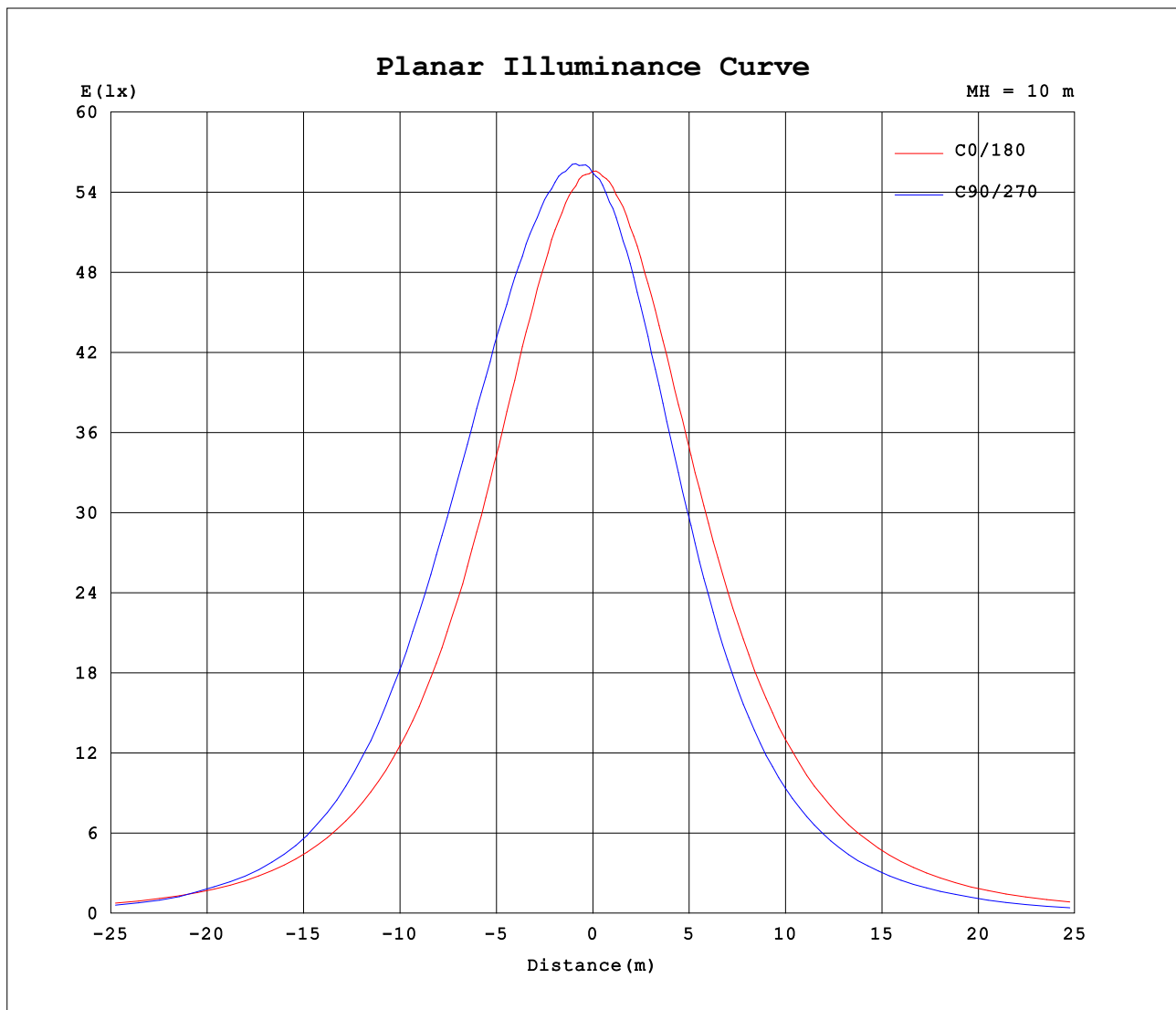
Test:U:275.32V I:0.3740A P:102.25W PF:0.9929 Freq:60.00Hz Lamp Flux:15748.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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



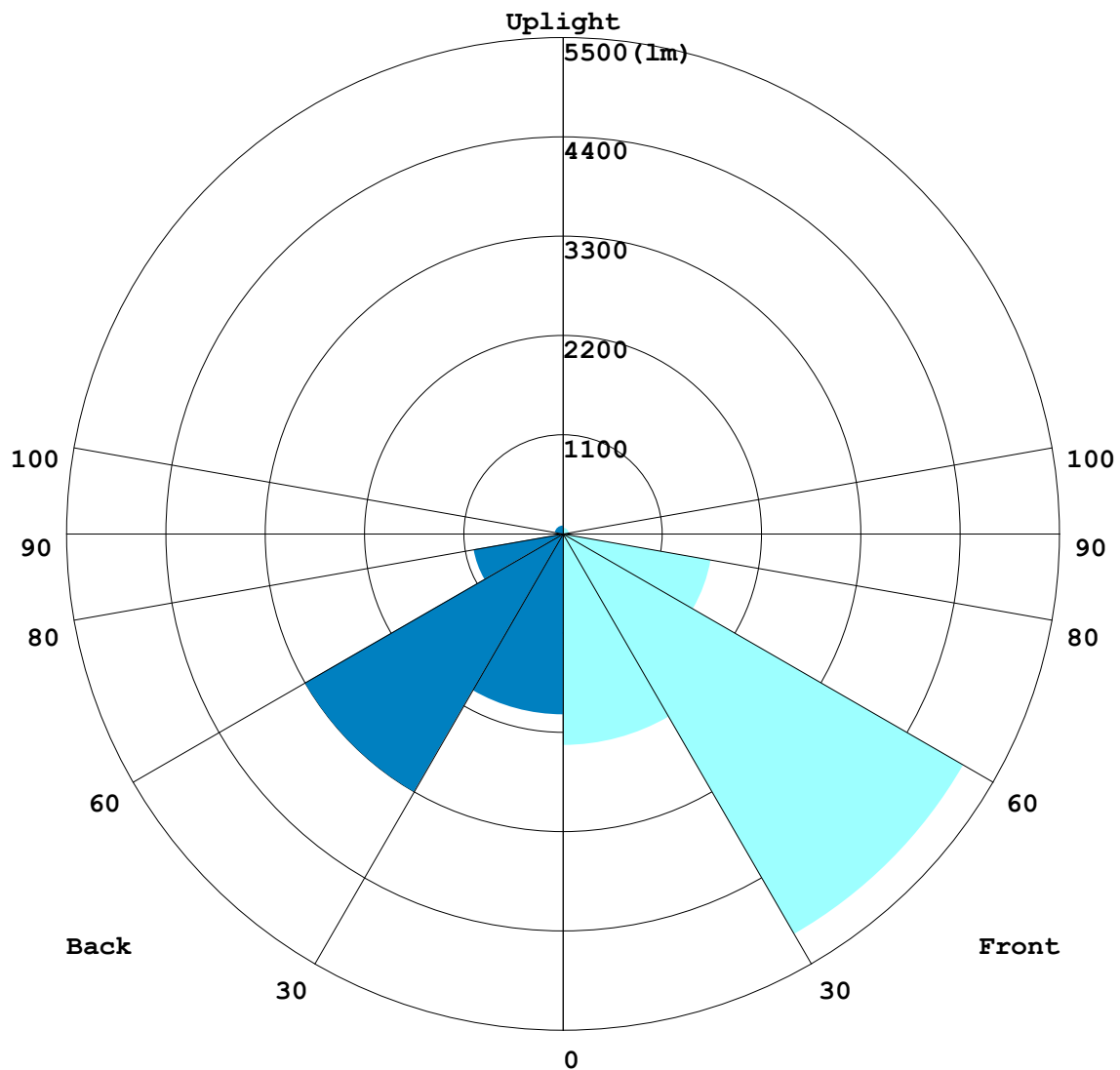
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.32V I:0.3740A P:102.25W PF:0.9929 Freq:60.00Hz Lamp Flux:15748.8x1 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:2025-07-19

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:275.32V I:0.3740A P:102.25W PF:0.9929 Freq:60.00Hz Lamp Flux:15748.8x1 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)	2341.9	14.9
FM - Front-Medium(30-60)	5122	32.5
FH - Front-High(60-80)	1664.5	10.6
FVH - Front-Very High(80-90)	83.574	0.5
Total Forward Light	9286.9	59.0

BL - Back-Low(0-30)	2003.9	12.7
BM - Back-Medium(30-60)	3305.1	21.0
BH - Back-High(60-80)	1004.9	6.4
BVH - Back-Very High(80-90)	48.142	0.3
Total Back Light	6461.9	41.0

UL - Uplight-Low(90-100)	10.535	0.1
UH - Uplight-High(100-180)	164.21	1.0
Total Up Light	174.74	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6362.1	99.786	6461.9
Street Side	9212	74.959	9286.9

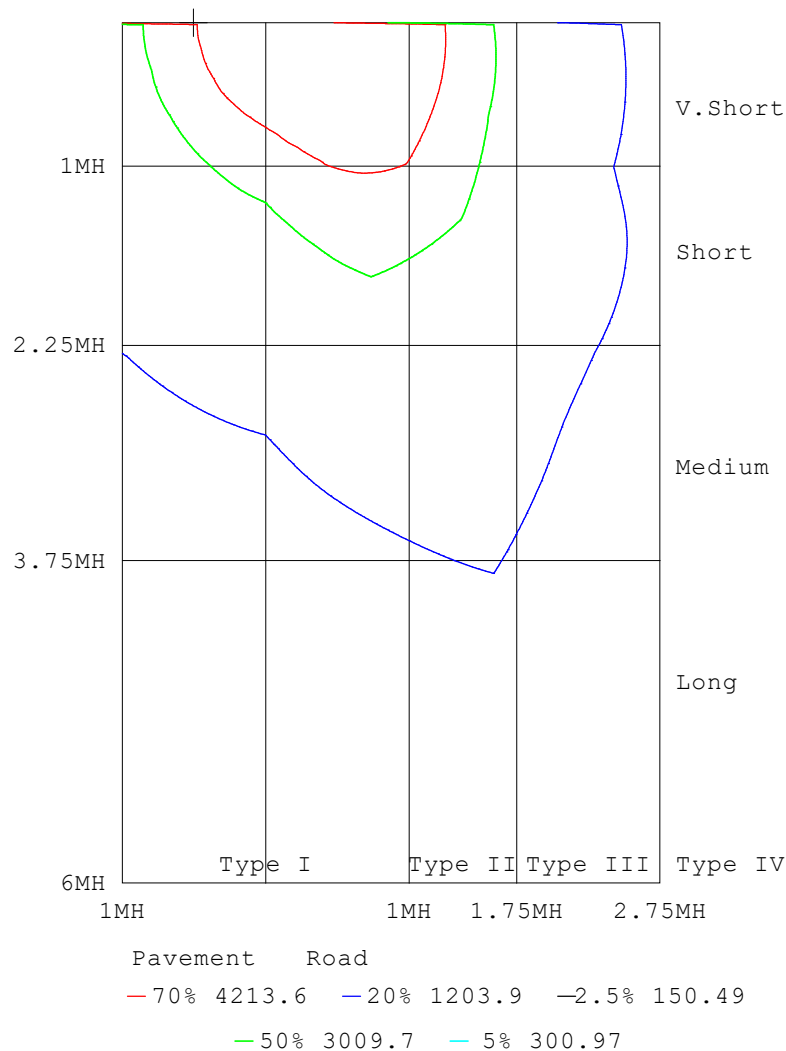
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-19

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:275.32V I:0.3740A P:102.25W PF:0.9929 Freq:60.00Hz Lamp Flux:15748.8x1 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:2025-07-19

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:275.32V I:0.3740A P:102.25W PF:0.9929 Freq:60.00Hz Lamp Flux:15748.8x1 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	5547	5547	5547	5547	5547	5547	5547	5547	5547	5547	5547	5547	5547	5547	5547	5547			
5	5501	5575	5618	5663	5678	5647	5616	5565	5532	5486	5424	5390	5389	5394	5437	5473			
10	5420	5560	5636	5742	5779	5714	5658	5553	5459	5363	5248	5203	5193	5175	5263	5343			
15	5289	5488	5633	5801	5864	5781	5668	5497	5328	5185	5036	4951	4925	4916	5027	5148			
20	5104	5368	5623	5845	5931	5851	5646	5378	5160	4940	4773	4642	4607	4618	4741	4907			
25	4861	5207	5585	5889	5998	5885	5586	5220	4956	4672	4456	4289	4245	4277	4426	4637			
30	4581	5026	5519	5896	6011	5874	5518	5034	4692	4358	4095	3915	3863	3892	4077	4316			
35	4272	4816	5404	5814	5916	5790	5433	4831	4389	4009	3709	3511	3457	3470	3688	3956			
40	3925	4575	5253	5606	5647	5609	5290	4598	4042	3624	3312	3099	3049	3062	3268	3555			
45	3546	4308	5024	5207	5162	5246	5063	4333	3684	3220	2900	2703	2655	2671	2851	3152			
50	3134	4014	4653	4597	4443	4652	4705	4043	3301	2817	2490	2310	2265	2288	2450	2744			
55	2703	3693	4110	3787	3540	3845	4203	3732	2884	2406	2084	1942	1882	1915	2047	2327			
60	2242	3281	3403	2876	2625	2945	3543	3340	2424	1974	1720	1588	1530	1553	1673	1900			
65	1763	2726	2609	2019	1676	2097	2755	2821	1934	1549	1371	1225	1084	1177	1318	1474			
70	1285	2065	1816	1096	1010	1152	1953	2195	1466	1157	1028	749	660	715	971	1081			
75	808	1394	891	723	680	752	974	1537	1002	783	595	394	340	358	522	711			
80	391	721	479	384	294	423	542	906	574	459	246	154	129	131	198	373			
85	63.1	150	65.1	21.8	18.2	56.3	111	252	189	103	40.7	12.6	7.55	8.44	18.8	66.5			
90	8.32	6.37	5.34	4.89	4.73	5.22	5.87	6.85	8.74	9.20	8.98	7.72	7.02	8.14	9.64	9.59			
95	11.1	8.64	7.15	6.20	5.89	6.18	7.09	8.29	9.91	11.9	12.3	11.0	10.2	11.6	13.1	12.7			
100	14.2	11.2	9.39	8.31	7.88	8.25	9.29	10.8	12.9	15.3	16.0	15.0	14.2	15.6	16.9	16.1			
105	17.6	14.1	11.9	10.7	10.2	10.6	11.9	13.6	16.1	18.9	19.9	19.3	18.6	19.9	20.8	19.6			
110	21.3	17.3	14.7	13.3	12.8	13.2	14.6	16.7	19.6	22.7	23.9	23.8	23.4	24.5	24.8	23.4			
115	25.1	20.7	17.7	16.1	15.6	16.1	17.7	20.0	23.3	26.6	28.1	28.4	28.2	29.2	29.0	27.4			
120	28.9	24.2	21.0	19.2	18.7	19.2	20.9	23.5	27.3	30.8	32.2	32.9	32.8	33.7	33.1	31.5			
125	32.7	27.8	24.4	22.5	22.0	22.4	24.3	27.0	31.1	34.9	36.3	37.1	37.4	38.0	37.4	35.3			
130	36.2	31.3	27.7	25.9	25.4	25.7	27.7	30.4	34.7	38.6	40.0	41.1	41.6	41.9	41.2	38.8			
135	39.2	34.5	31.0	29.1	28.5	28.9	30.8	33.5	37.8	41.7	43.3	44.4	45.1	45.4	44.4	41.4			
140	41.8	37.4	34.1	32.2	31.6	32.0	33.8	36.3	40.8	44.6	46.0	47.0	47.8	48.3	47.0	43.9			
145	44.2	40.5	37.1	35.3	34.7	34.9	36.8	39.0	43.3	47.1	48.4	49.5	50.2	50.3	48.9	45.9			
150	46.5	43.1	40.2	38.4	37.8	38.0	39.6	41.5	45.6	49.1	50.5	51.0	51.5	51.8	50.3	47.7			
155	48.7	45.9	43.0	41.2	40.8	40.9	42.4	44.1	47.6	50.8	52.2	52.6	52.7	52.6	51.4	49.0			
160	50.8	48.6	45.7	44.2	43.7	43.7	45.1	46.5	49.7	52.4	53.5	53.8	53.7	53.5	52.5	50.4			
165	52.9	51.1	48.6	47.2	46.6	46.7	48.0	49.0	51.8	53.8	54.8	54.8	54.6	54.4	53.4	51.8			
170	54.6	53.4	51.2	50.2	49.7	49.8	50.8	51.3	54.1	55.2	55.6	55.4	55.1	55.1	54.5	53.3			
175	56.1	55.4	53.4	52.9	52.4	52.2	53.2	53.2	55.8	56.3	56.2	55.8	55.4	55.4	55.1	54.4			
180	56.7	56.2	55.3	55.3	54.7	54.5	54.9	54.3	56.6	56.1	55.7	55.0	54.6	54.9	54.7	54.4			

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: