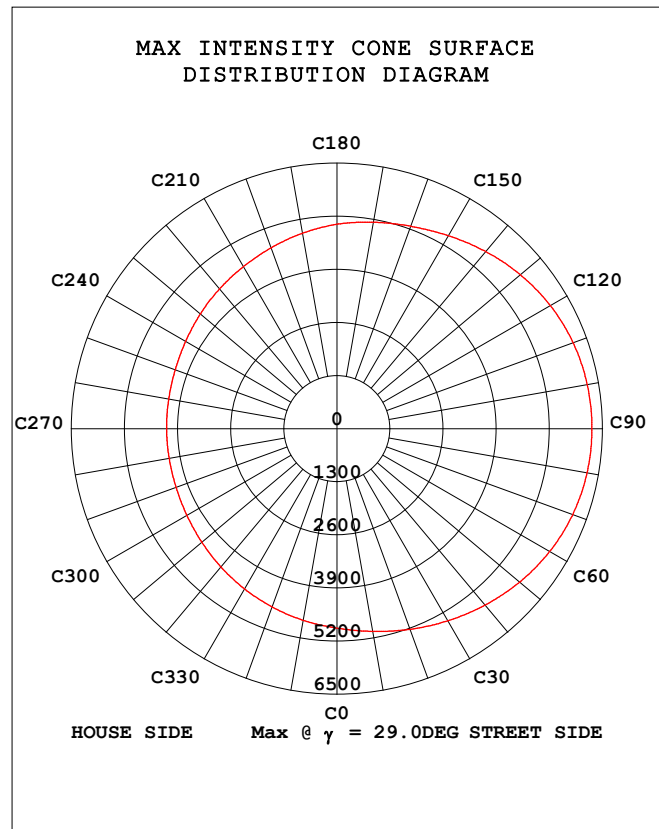
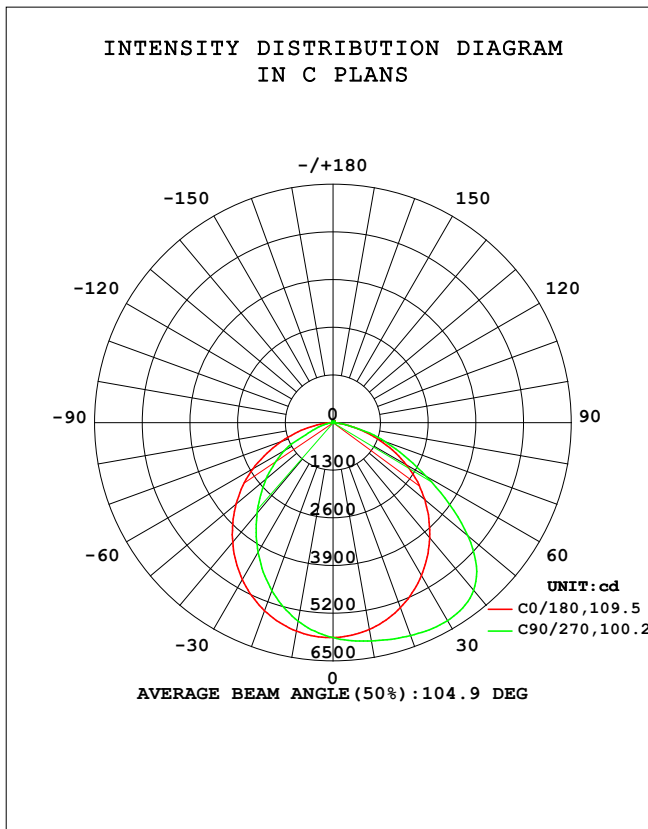


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.32V I:0.4406A P:120.72W PF:0.9951 Freq:60.00Hz Lamp Flux:16635.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.80 lm/W			
MODEL		Imax(cd)	6241	η street_up(%)	0.5
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	59.1
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	16635	η house_up(%)	0.6
NOMINAL FLUX(lm)	16635.5	MAXIMUM @ (C, γ)	90,29.0	η house_down(%)	39.8
LAMPS INSIDE	1	η up(%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	98.9	SLI	

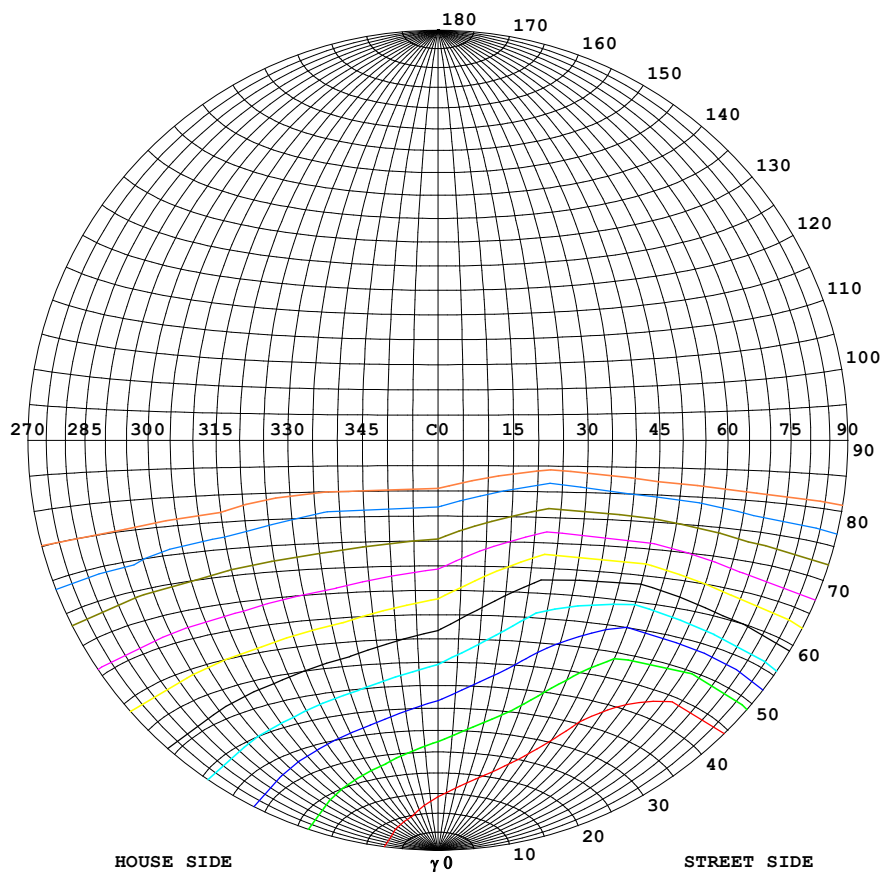


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.32V I:0.4406A P:120.72W PF:0.9951 Freq:60.00Hz Lamp Flux:16635.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

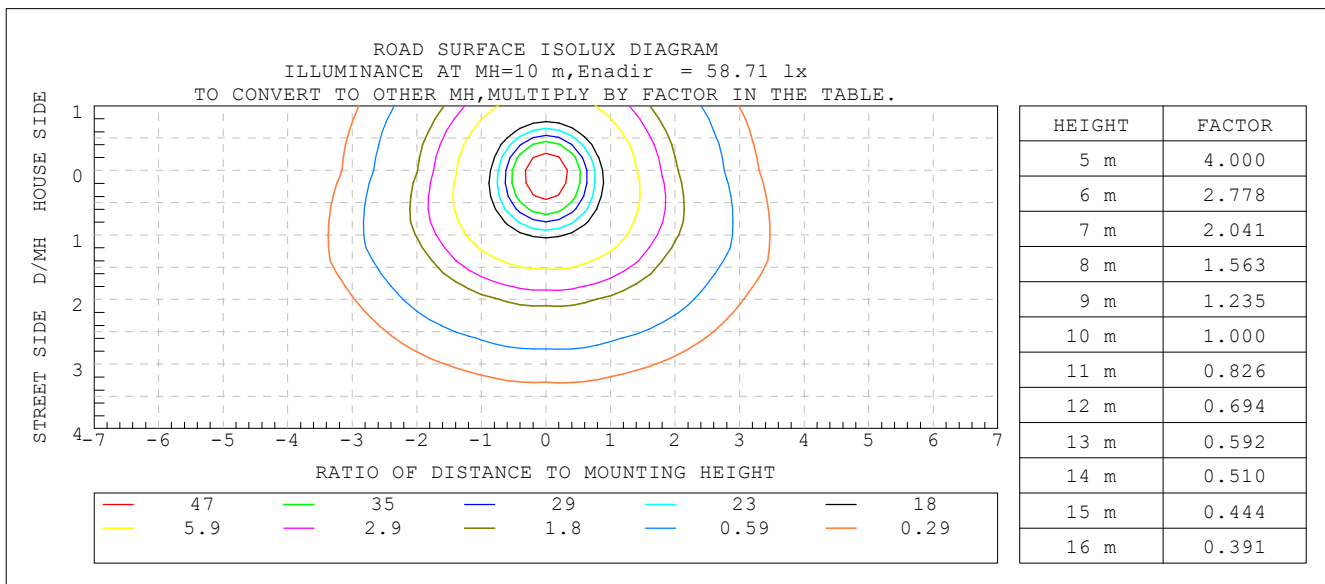
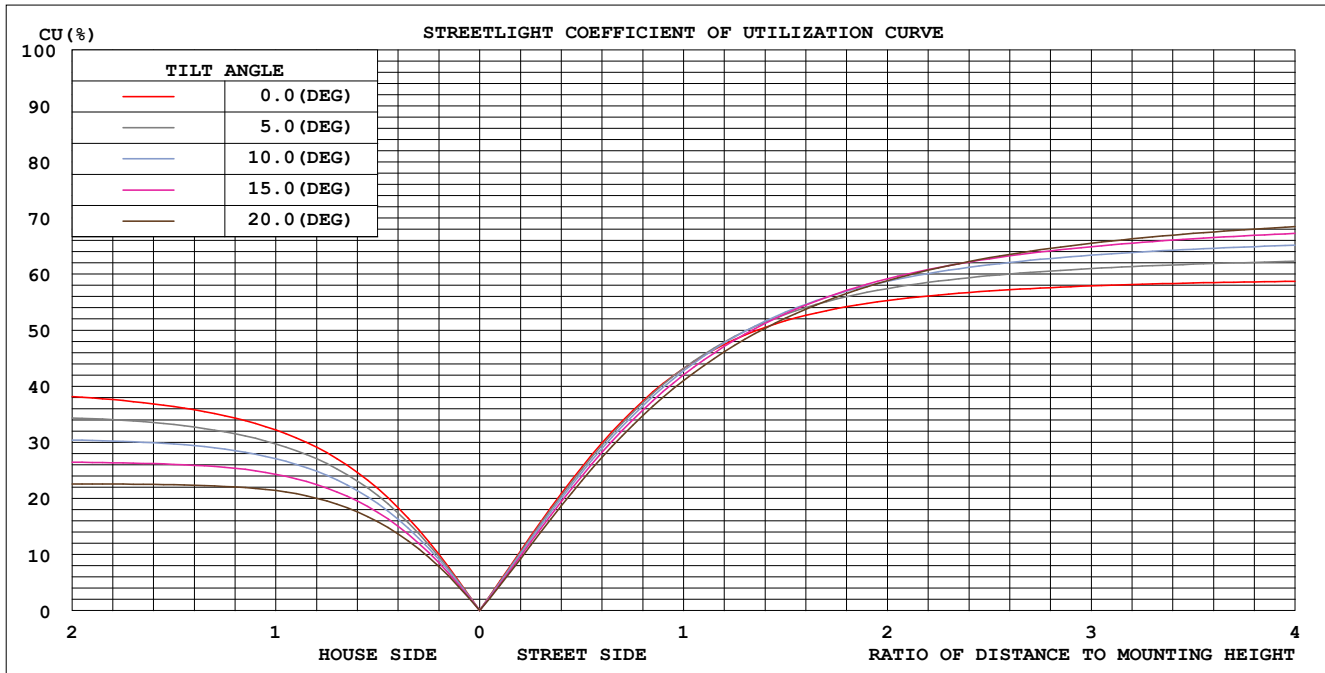
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:58.26cd/klm
Max.At90:0.6397cd/klm
Max.80-90:58.26cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6241
90%	5617
80%	4993
70%	4369
60%	3745
50%	3121
40%	2496
30%	1872
20%	1248
10%	624
5%	312

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:275.32V I:0.4406A P:120.72W PF:0.9951 Freq:60.00Hz Lamp Flux:16635.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

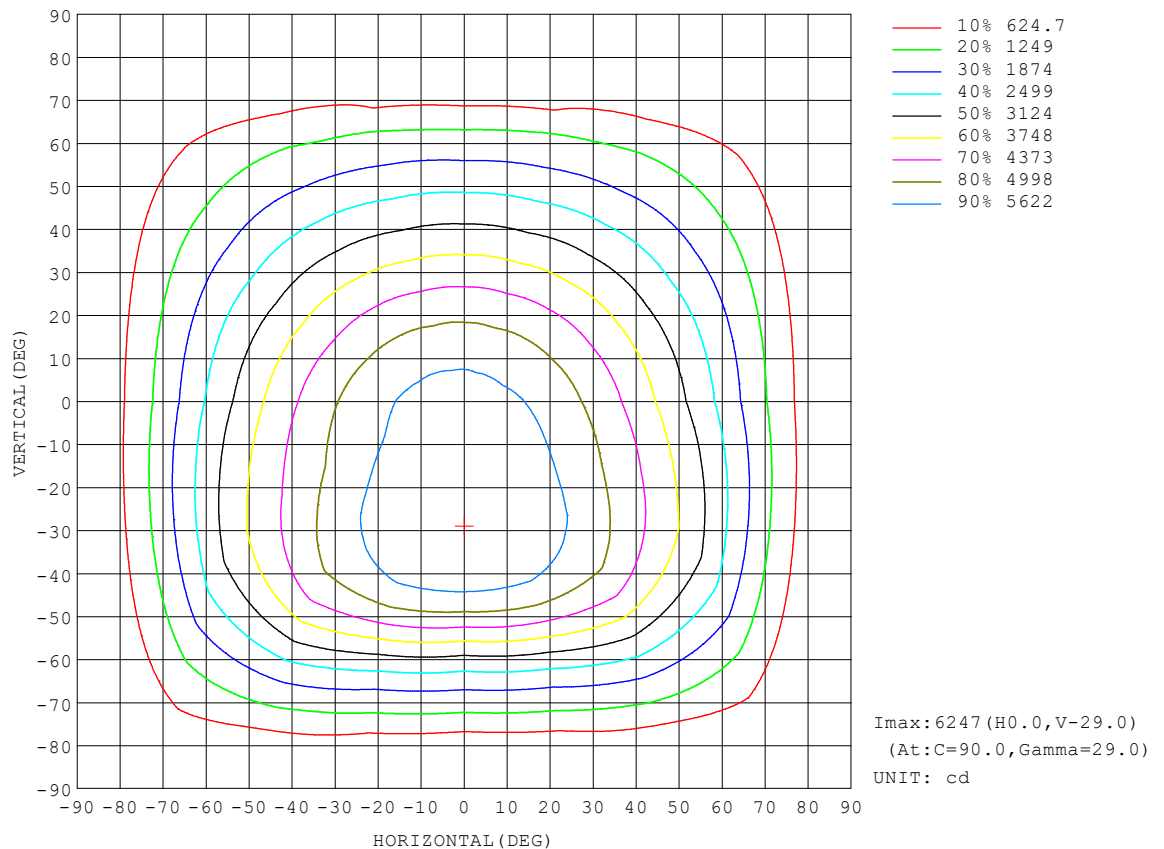
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5725	5931	6043	5947	5772	5581	5496	5563	0- 10	554.4	554.4	3.33,3.33
20	5369	5868	6181	5889	5461	5065	4879	5027	10- 20	1590	2144	12.9,12.9
30	4818	5721	6237	5747	4948	4342	4094	4290	20- 30	2426	4570	27.5,27.5
40	4103	5456	5971	5496	4261	3508	3221	3443	30- 40	2969	7539	45.3,45.3
50	3270	4881	4800	4965	3451	2640	2381	2570	40- 50	3124	10663	64.1,64.1
60	2314	3641	2950	3815	2525	1803	1544	1734	50- 60	2774	13437	80.8,80.8
70	1286	2021	1500	2180	1494	1027	547.4	946.1	60- 70	1946	15383	92.5,92.5
80	348.0	551.1	362.5	701.4	531.4	201.4	106.0	155.7	70- 80	929.7	16312	98.1,98.1
90	8.352	5.354	5.123	6.496	9.031	9.515	8.154	10.64	80- 90	142.9	16455	98.9,98.9
100	14.27	9.396	7.945	9.494	12.97	16.55	15.74	18.10	90-100	11.01	16466	99,99
110	21.40	14.85	13.23	15.13	19.84	24.40	25.05	26.30	100-110	17.39	16484	99.1,99.1
120	29.19	21.33	19.58	21.72	27.48	32.76	34.74	34.90	110-120	23.63	16507	99.2,99.2
130	36.50	28.38	26.65	28.89	35.05	40.43	43.30	42.99	120-130	28.26	16536	99.4,99.4
140	42.19	34.82	33.36	35.34	41.19	46.39	49.58	48.83	130-140	29.72	16565	99.6,99.6
150	46.88	40.94	39.80	41.53	46.04	50.72	53.29	52.28	140-150	27.59	16593	99.7,99.7
160	51.18	46.65	45.99	47.20	50.35	53.76	55.52	54.69	150-160	22.41	16615	99.9,99.9
170	55.16	52.02	52.03	53.18	54.71	55.92	57.01	56.69	160-170	14.86	16630	100,100
180	57.11	55.95	57.08	57.23	57.37	56.06	56.47	57.02	170-180	5.299	16635	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

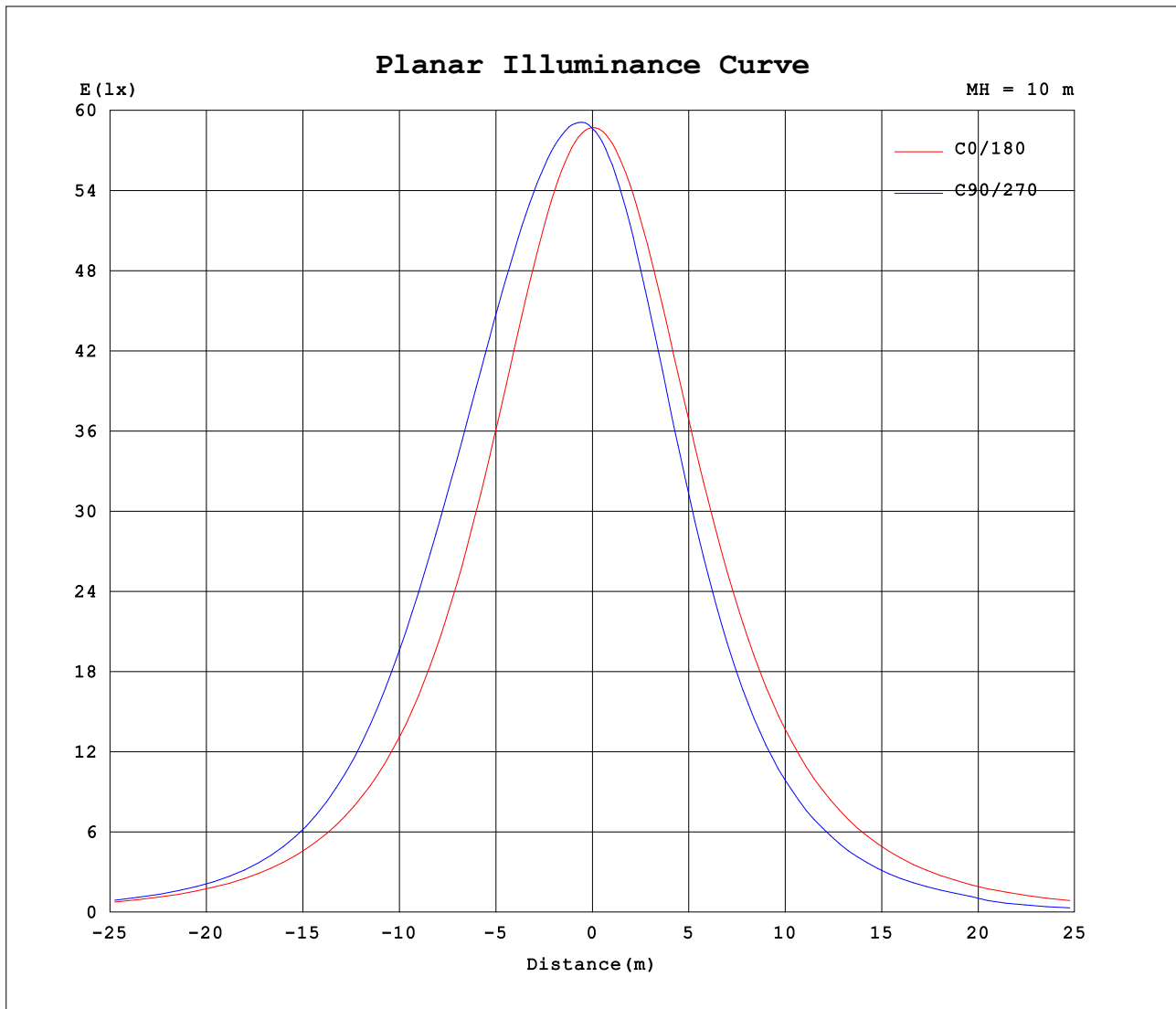
Test:U:275.32V I:0.4406A P:120.72W PF:0.9951 Freq:60.00Hz Lamp Flux:16635.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

Planar Illuminance Curve



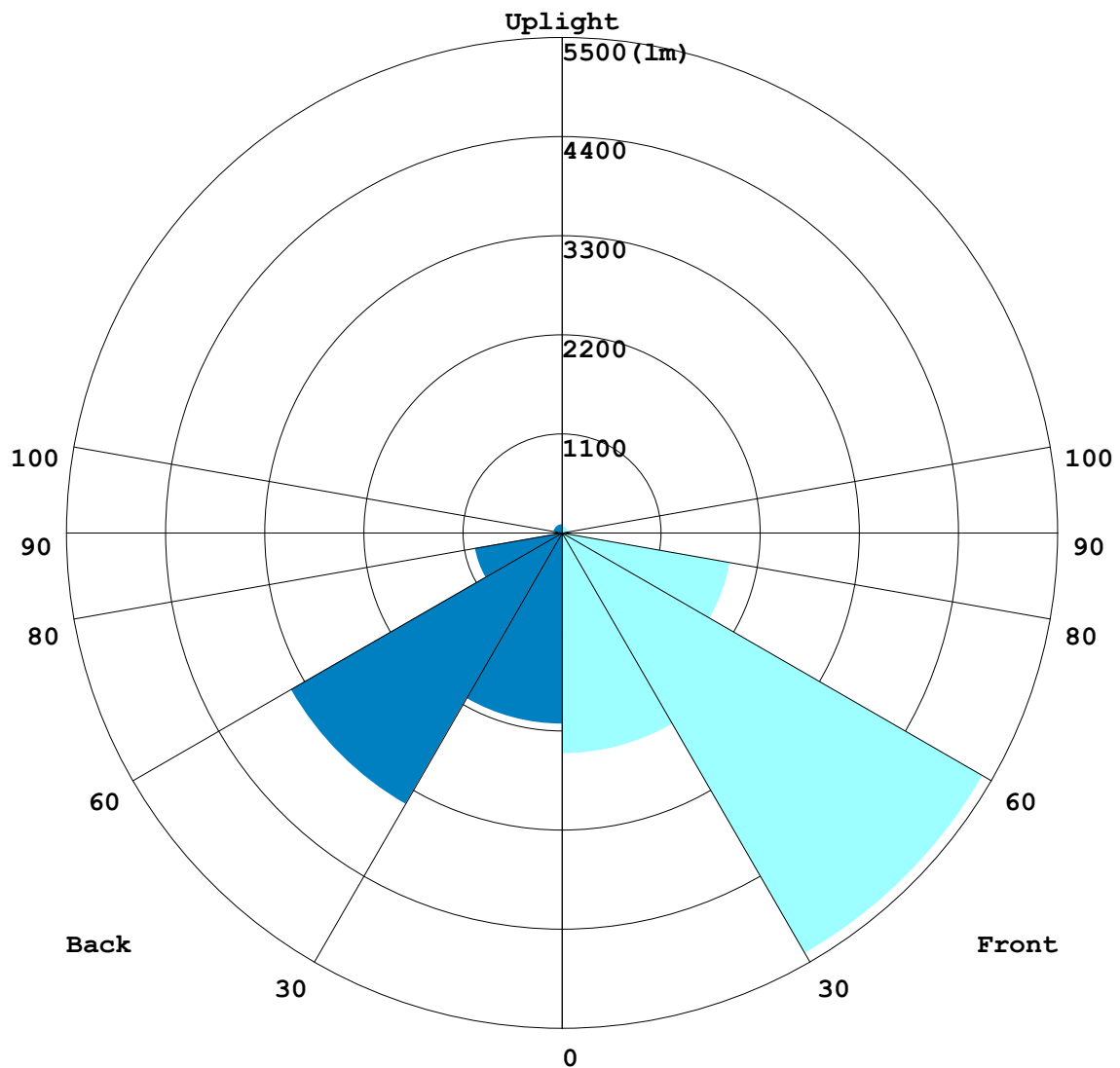
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.32V I:0.4406A P:120.72W PF:0.9951 Freq:60.00Hz Lamp Flux:16635.5x1 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:275.32V I:0.4406A P:120.72W PF:0.9951 Freq:60.00Hz Lamp Flux:16635.5x1 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)	2449.4	14.7
FM - Front-Medium(30-60)	5390.1	32.4
FH - Front-High(60-80)	1892.4	11.4
FVH - Front-Very High(80-90)	104.07	0.6
Total Forward Light	9913	59.6

BL - Back-Low(0-30)	2121	12.7
BM - Back-Medium(30-60)	3476.7	20.9
BH - Back-High(60-80)	982.82	5.9
BVH - Back-Very High(80-90)	38.81	0.2
Total Back Light	6722.4	40.4

UL - Uplight-Low(90-100)	11.009	0.1
UH - Uplight-High(100-180)	169.16	1.0
Total Up Light	180.17	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
----------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6619.3	103.18	6722.4
Street Side	9836	76.99	9913

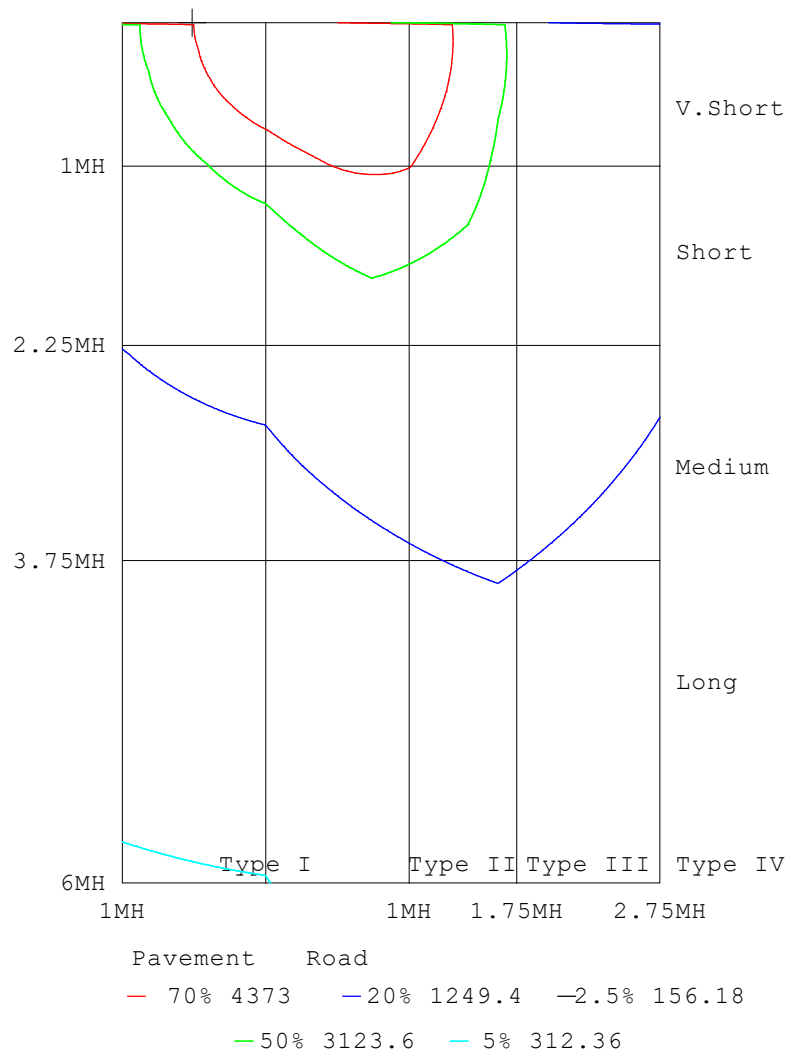
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.32V I:0.4406A P:120.72W PF:0.9951 Freq:60.00Hz Lamp Flux:16635.5x1 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:275.32V I:0.4406A P:120.72W PF:0.9951 Freq:60.00Hz Lamp Flux:16635.5x1 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	5860	5860	5860	5860	5860	5860	5860	5860	5860	5860	5860	5860	5860	5860	5860	5860			
5	5821	5874	5916	5952	5965	5957	5924	5884	5845	5791	5750	5720	5709	5711	5742	5778			
10	5725	5835	5931	6015	6043	6020	5947	5853	5772	5664	5581	5515	5496	5502	5563	5640			
15	5575	5747	5913	6057	6115	6066	5933	5773	5643	5483	5352	5247	5214	5226	5324	5447			
20	5369	5614	5868	6096	6181	6106	5889	5650	5461	5239	5065	4913	4879	4893	5027	5190			
25	5116	5440	5805	6118	6231	6128	5830	5483	5226	4949	4725	4548	4502	4520	4679	4892			
30	4818	5231	5721	6109	6237	6120	5747	5276	4948	4605	4342	4141	4094	4118	4290	4540			
35	4478	4992	5611	6042	6169	6060	5645	5037	4623	4227	3934	3727	3662	3692	3873	4150			
40	4103	4729	5456	5875	5971	5906	5496	4781	4261	3818	3508	3285	3221	3250	3443	3739			
45	3699	4444	5228	5535	5535	5586	5284	4499	3871	3388	3076	2858	2798	2823	3006	3302			
50	3270	4140	4881	4935	4800	5014	4965	4203	3451	2951	2640	2438	2381	2403	2570	2862			
55	2812	3805	4360	4105	3875	4198	4488	3878	3009	2506	2214	2037	1955	2002	2136	2415			
60	2314	3388	3641	3180	2950	3275	3815	3482	2525	2061	1803	1625	1544	1588	1734	1967			
65	1794	2837	2828	2332	2144	2410	3008	2964	1999	1616	1406	1202	919	1111	1339	1524			
70	1286	2172	2021	1618	1500	1681	2180	2332	1494	1200	1027	604	547	574	946	1110			
75	792	1479	1315	1043	878	1102	1440	1645	1000	798	474	347	316	325	415	710			
80	348	818	551	411	362	451	701	969	531	432	201	115	106	101	156	308			
85	56.6	222	120	73.3	59.3	88.9	167	356	150	88.4	24.6	8.11	6.87	7.98	11.0	42.9			
90	8.35	6.29	5.35	5.20	5.12	5.88	6.50	7.41	9.03	9.36	9.51	8.65	8.15	9.34	10.6	10.3			
95	11.1	8.55	7.10	6.11	5.87	6.21	7.19	8.47	9.97	12.1	12.9	12.1	11.6	13.0	14.2	13.5			
100	14.3	11.2	9.40	8.27	7.94	8.35	9.49	11.1	13.0	15.4	16.6	16.2	15.7	17.2	18.1	16.9			
105	17.7	14.1	12.0	10.7	10.4	10.9	12.2	14.0	16.3	19.0	20.4	20.5	20.3	21.7	22.1	20.6			
110	21.4	17.2	14.8	13.5	13.2	13.7	15.1	17.2	19.8	22.8	24.4	25.0	25.1	26.3	26.3	24.6			
115	25.3	20.7	18.0	16.5	16.3	16.7	18.3	20.7	23.6	26.8	28.6	29.6	30.0	31.1	30.6	28.7			
120	29.2	24.3	21.3	19.7	19.6	20.0	21.7	24.4	27.5	31.0	32.8	34.2	34.7	35.8	34.9	32.9			
125	33.0	28.0	24.9	23.1	23.1	23.5	25.4	28.1	31.4	35.0	36.8	38.5	39.3	40.2	39.1	36.8			
130	36.5	31.5	28.4	26.6	26.7	27.1	28.9	31.7	35.0	38.6	40.4	42.3	43.3	44.1	43.0	40.2			
135	39.5	34.7	31.7	30.0	30.1	30.5	32.2	34.9	38.3	41.7	43.6	45.5	46.7	47.5	46.3	43.1			
140	42.2	37.8	34.8	33.2	33.4	33.7	35.3	38.0	41.2	44.5	46.4	48.3	49.6	50.3	48.8	45.6			
145	44.6	40.7	37.9	36.3	36.5	36.8	38.5	40.8	43.8	47.0	48.7	50.7	51.9	52.6	50.8	47.7			
150	46.9	43.5	40.9	39.5	39.8	40.2	41.5	43.5	46.0	49.0	50.7	52.3	53.3	53.8	52.3	49.5			
155	49.0	46.2	43.8	42.4	43.0	43.1	44.4	46.0	48.2	50.8	52.4	53.8	54.4	54.8	53.5	51.1			
160	51.2	48.8	46.7	45.4	46.0	46.1	47.2	48.6	50.4	52.3	53.8	55.1	55.5	55.9	54.7	52.5			
165	53.3	51.4	49.5	48.3	49.0	49.2	50.2	51.2	52.6	53.7	55.0	56.1	56.4	56.8	55.7	54.0			
170	55.2	53.7	52.0	51.2	52.0	52.4	53.2	53.7	54.7	55.1	55.9	56.9	57.0	57.5	56.7	55.4			
175	56.6	55.6	54.2	53.7	54.7	54.9	55.5	55.7	56.6	56.3	56.6	57.2	57.2	58.0	57.3	56.5			
180	57.1	56.5	56.0	56.0	57.1	57.1	57.2	56.9	57.4	56.3	56.1	56.6	56.5	57.4	57.0	56.6			

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: