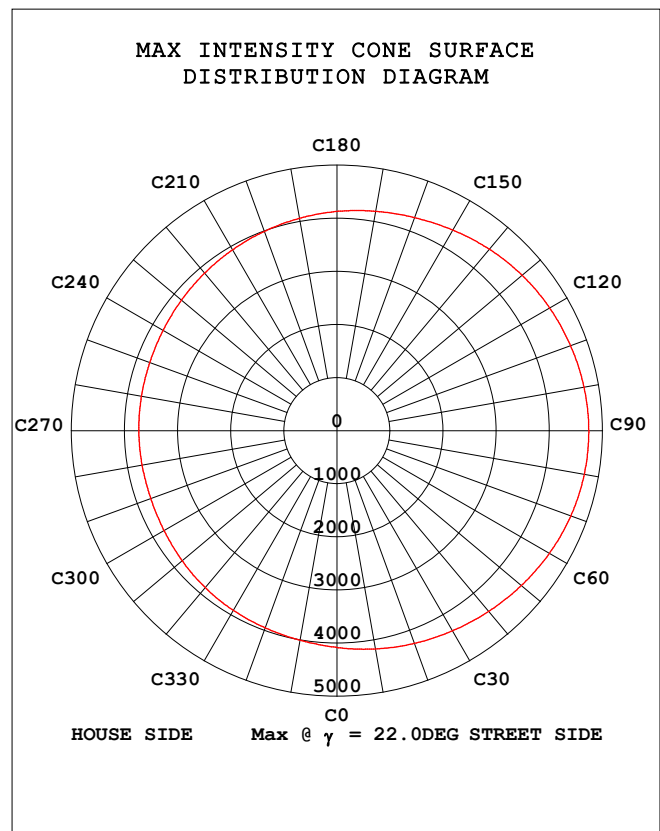
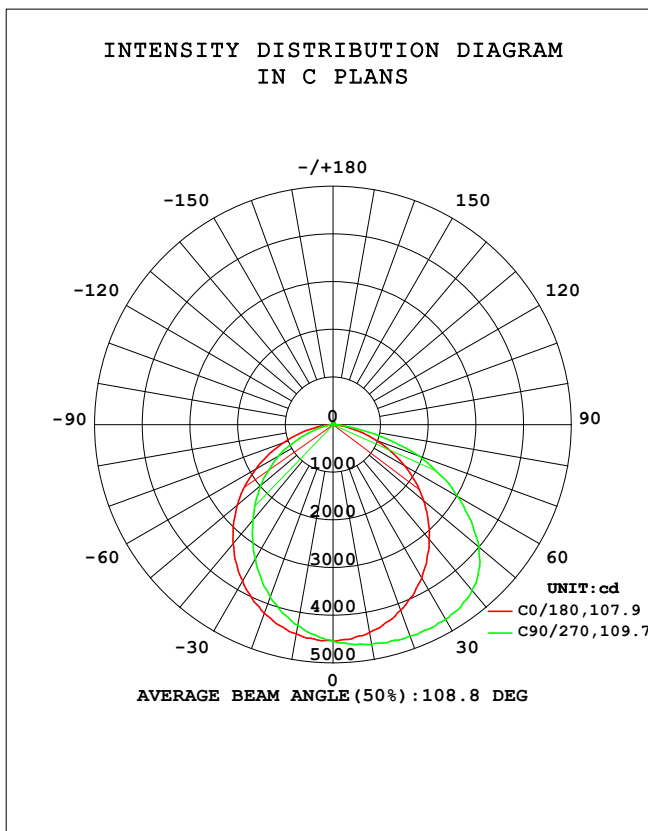


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.58V I:0.2888A P:78.608W PF:0.9875 Freq:60.00Hz Lamp Flux:13152.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 167.32 lm/W			
MODEL		I _{max} (cd)	4741	η street_up (%)	0.5
NOMINAL POWER(W)	80	LOR (%)	100.0	η street_down (%)	58.7
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	13152	η house_up (%)	0.6
NOMINAL FLUX(lm)	13152.4	MAXIMUM @ (C, γ)	90,22.0	η house_down (%)	40.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

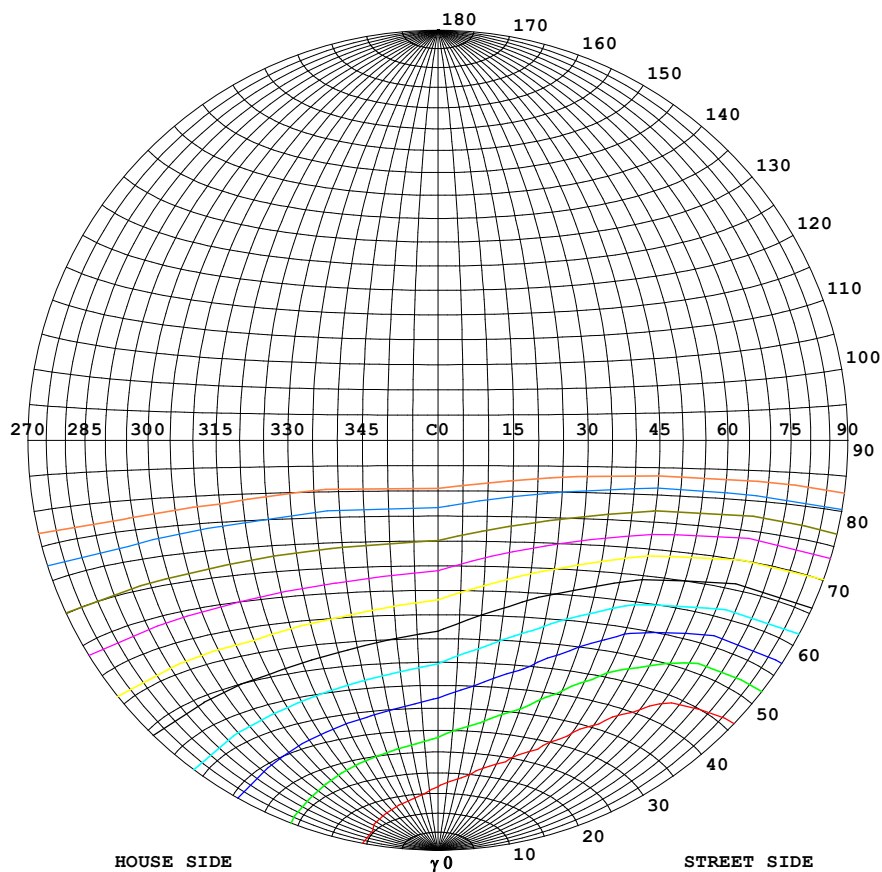


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.58V I:0.2888A P:78.608W PF:0.9875 Freq:60.00Hz Lamp Flux:13152.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

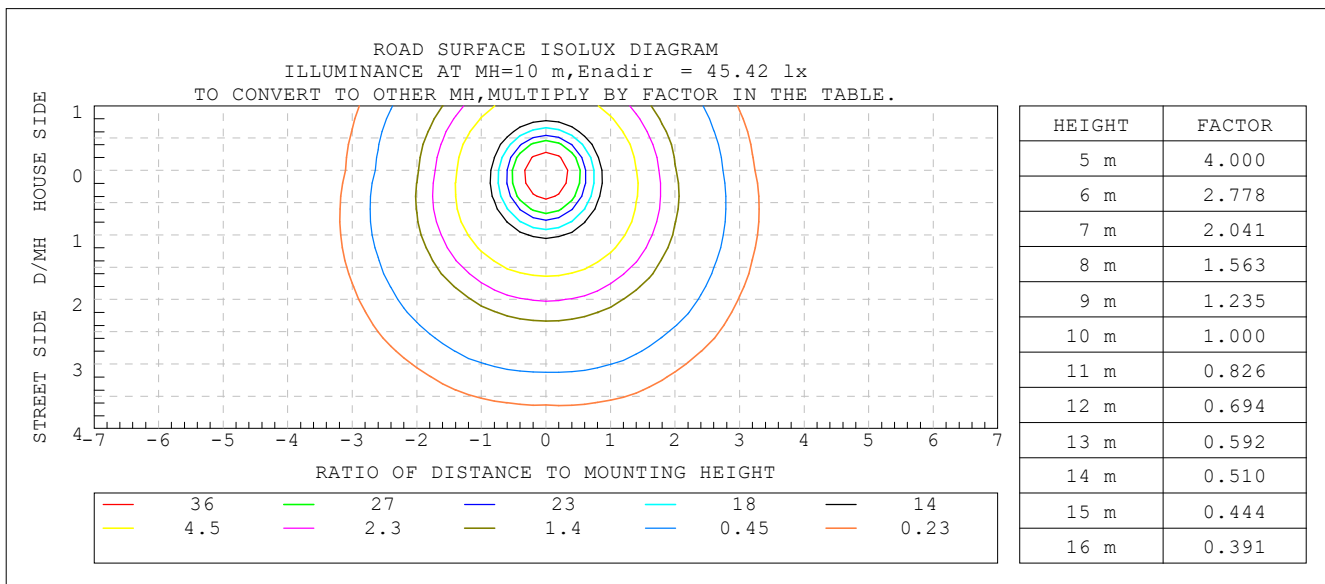
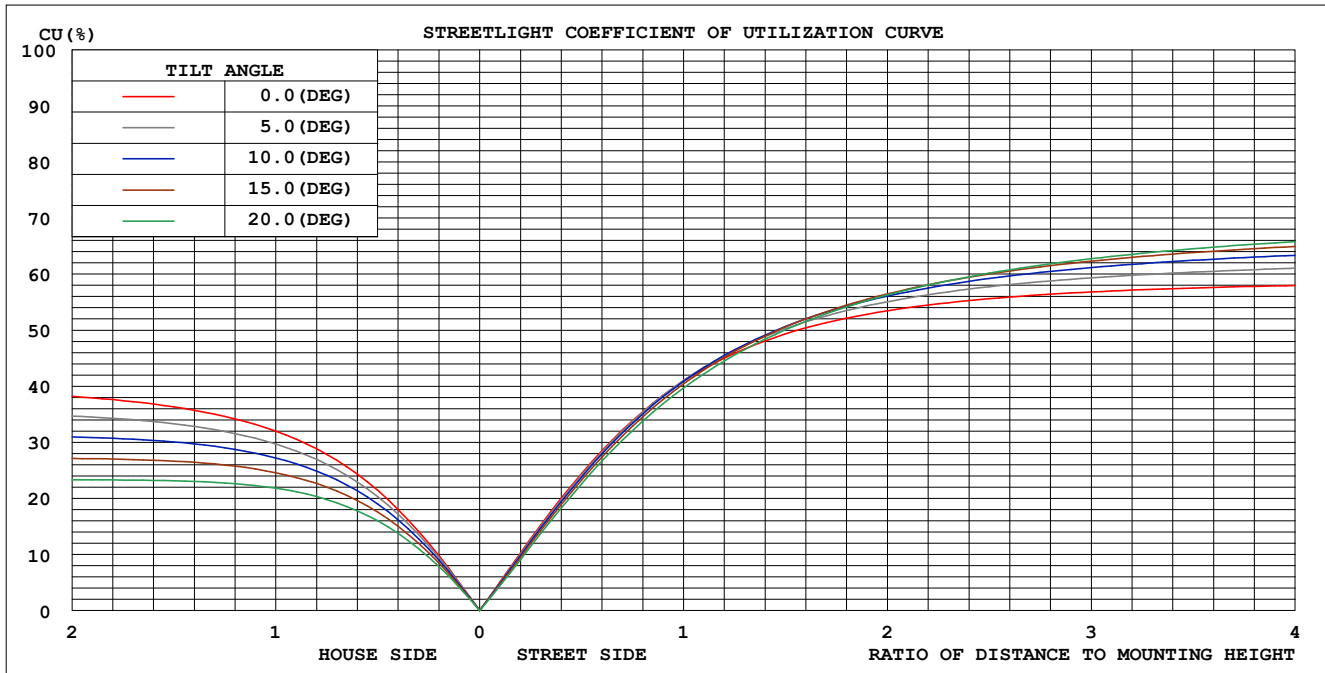
IES:Type III - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:54.10cd/klm
Max.At90:0.7006cd/klm
Max.80-90:54.10cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	4741
90%	4267
80%	3793
70%	3319
60%	2845
50%	2371
40%	1897
30%	1422
20%	948
10%	474
5%	237

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

gamma Range: 0 - 180DEG
gamma 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:275.58V I:0.2888A P:78.608W PF:0.9875 Freq:60.00Hz Lamp Flux:13152.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

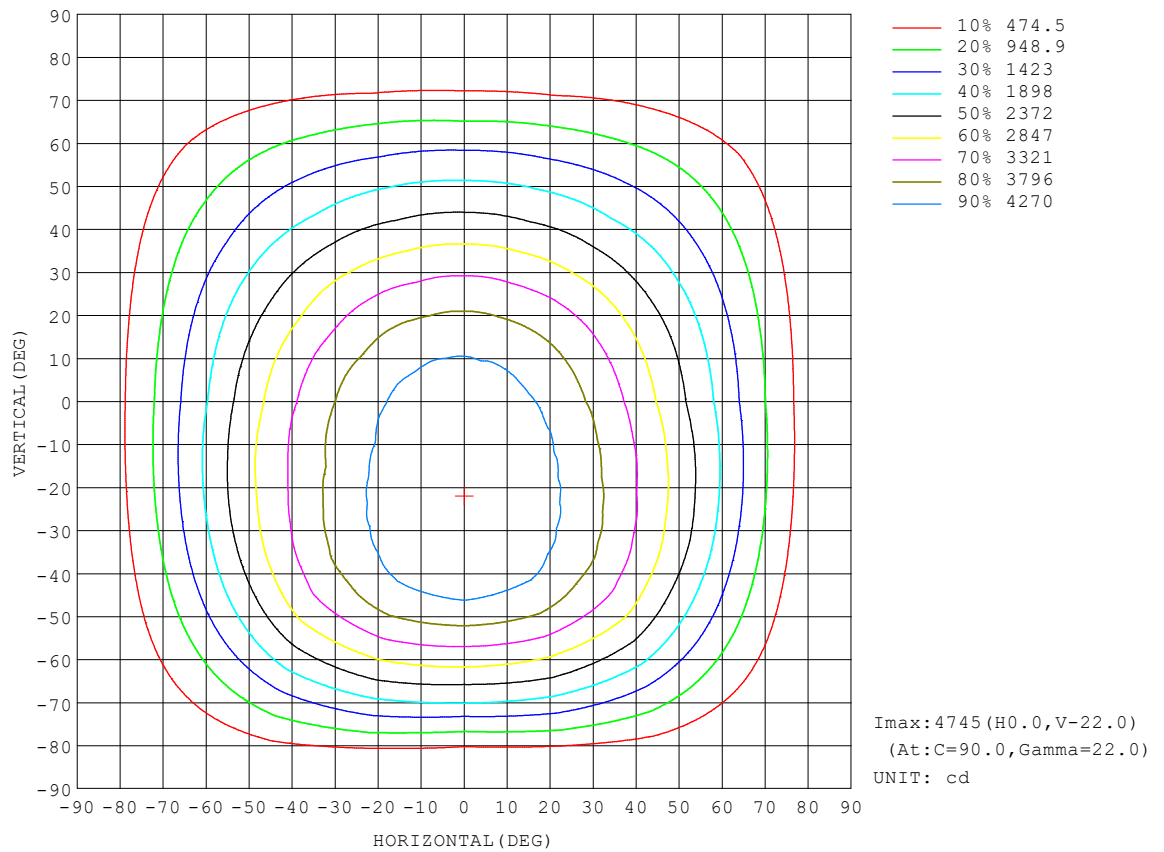
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4426	4592	4683	4609	4452	4326	4280	4329	0- 10	429.5	429.5	3.27,3.27
20	4148	4504	4717	4520	4218	3965	3855	3942	10- 20	1232	1661	12.6,12.6
30	3721	4335	4724	4362	3795	3423	3261	3391	20- 30	1876	3537	26.9,26.9
40	3137	4032	4533	4069	3266	2800	2620	2758	30- 40	2285	5822	44.3,44.3
50	2487	3561	3996	3614	2622	2105	1971	2055	40- 50	2406	8228	62.6,62.6
60	1737	2784	3026	2879	1873	1472	1329	1424	50- 60	2190	10418	79.2,79.2
70	954.4	1749	1916	1847	1105	834.9	596.8	776.0	60- 70	1633	12052	91.6,91.6
80	266.5	617.7	499.4	711.6	395.2	202.9	116.2	154.7	70- 80	830.6	12882	97.9,97.9
90	6.106	4.501	4.530	5.293	6.574	7.989	8.979	8.817	80- 90	126.3	13008	98.9,98.9
100	10.60	7.906	7.037	7.870	9.606	13.53	15.48	14.58	90-100	9.225	13018	99,99
110	16.04	12.28	11.29	12.33	14.89	19.75	22.57	20.94	100-110	14.26	13032	99.1,99.1
120	22.14	17.51	16.38	17.60	20.85	26.37	29.75	27.60	110-120	19.07	13051	99.2,99.2
130	27.87	23.00	21.97	23.25	26.73	32.48	35.92	33.71	120-130	22.61	13074	99.4,99.4
140	32.57	28.11	27.13	28.25	31.69	36.96	39.95	37.73	130-140	23.58	13097	99.6,99.6
150	36.44	32.88	32.04	32.93	35.70	39.94	42.47	40.46	140-150	21.77	13119	99.7,99.7
160	39.84	37.17	36.64	37.19	39.25	42.01	43.95	42.50	150-160	17.63	13137	99.9,99.9
170	43.23	41.46	41.31	41.81	42.71	43.56	44.68	44.03	160-170	11.66	13148	100,100
180	44.75	44.33	44.84	44.52	44.84	43.91	44.63	44.56	170-180	4.157	13152	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

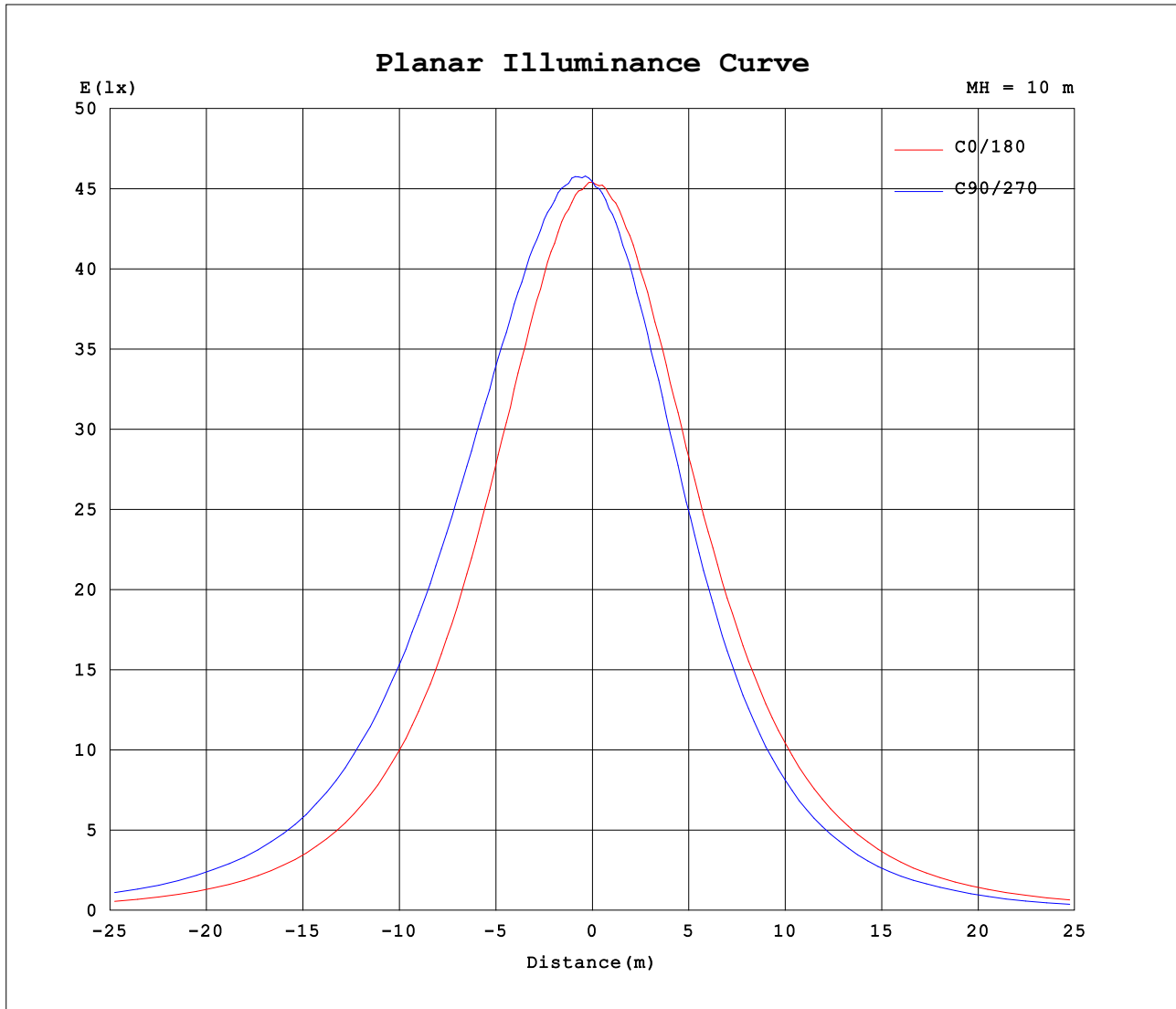
Test:U:275.58V I:0.2888A P:78.608W PF:0.9875 Freq:60.00Hz Lamp Flux:13152.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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



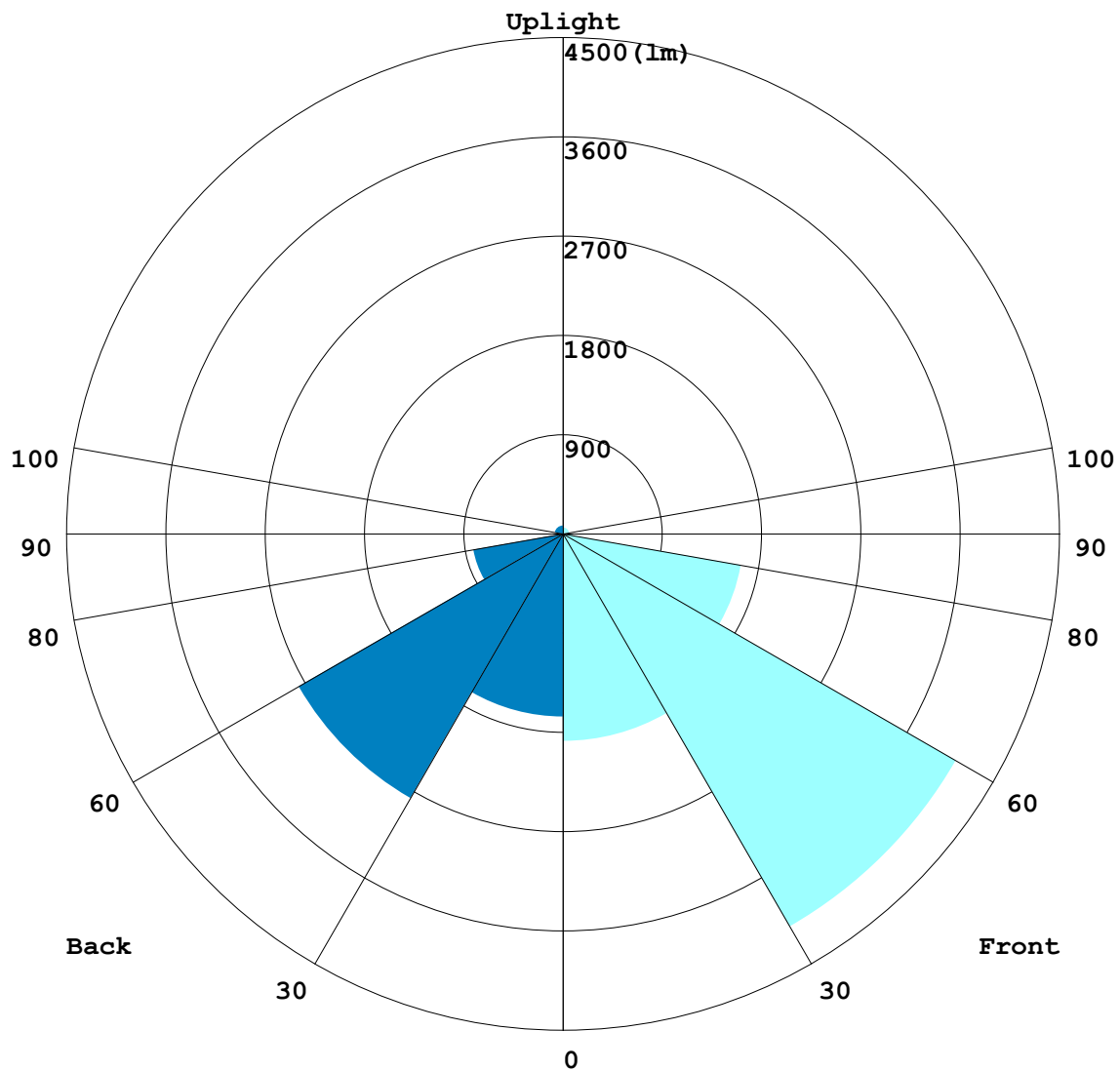
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.58V I:0.2888A P:78.608W PF:0.9875 Freq:60.00Hz Lamp Flux:13152.4x1 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:2025-07-18

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:275.58V I:0.2888A P:78.608W PF:0.9875 Freq:60.00Hz Lamp Flux:13152.4x1 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)	1879.8	14.3
FM - Front-Medium(30-60)	4113.2	31.3
FH - Front-High(60-80)	1637.7	12.5
FVH - Front-Very High(80-90)	91.116	0.7
Total Forward Light	7783.3	59.2

BL - Back-Low(0-30)	1657.1	12.6
BM - Back-Medium(30-60)	2768.3	21.0
BH - Back-High(60-80)	826.06	6.3
BVH - Back-Very High(80-90)	35.183	0.3
Total Back Light	5369	40.8

UL - Uplight-Low(90-100)	9.2248	0.1
UH - Uplight-High(100-180)	134.74	1.0
Total Up Light	143.96	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5286.6	82.424	5369
Street Side	7721.8	61.537	7783.3

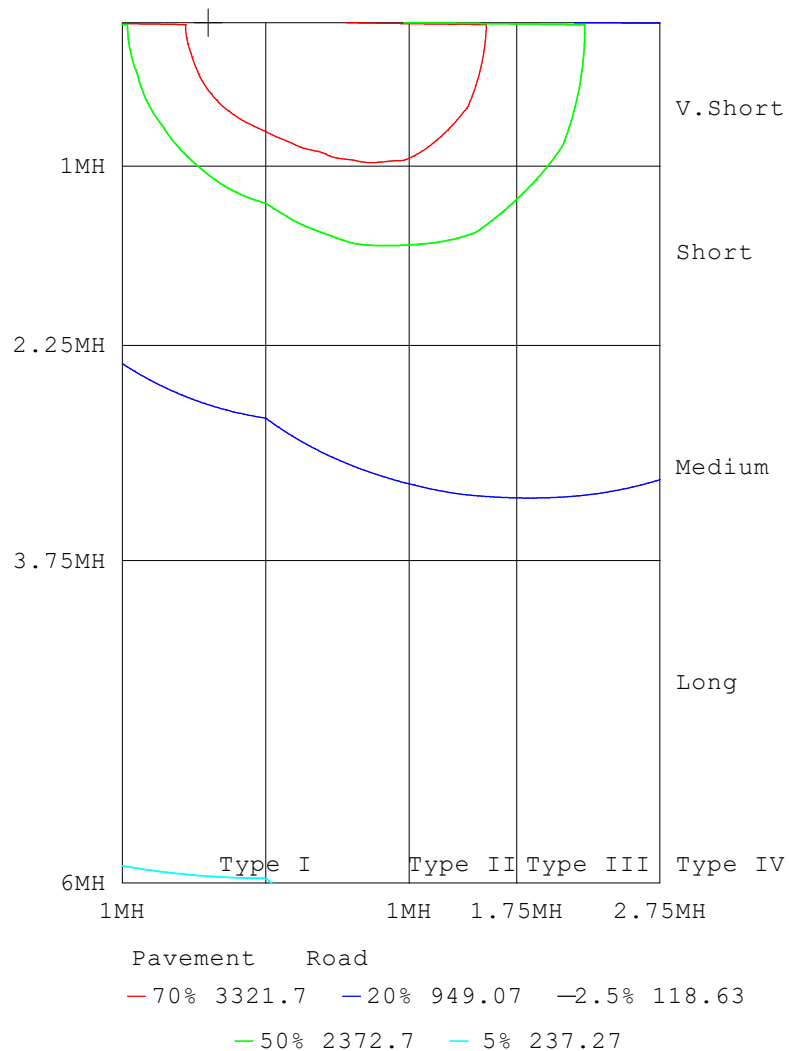
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:

ROAD ISOCANDELA REPORT

Test:U:275.58V I:0.2888A P:78.608W PF:0.9875 Freq:60.00Hz Lamp Flux:13152.4x1 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:2025-07-18

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:275.58V I:0.2888A P:78.608W PF:0.9875 Freq:60.00Hz Lamp Flux:13152.4x1 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	4541	4541	4541	4541	4541	4541	4541	4541	4541	4541	4541	4541	4541	4541	4541	4541			
5	4512	4562	4588	4617	4625	4611	4598	4553	4516	4479	4446	4425	4422	4418	4446	4473			
10	4426	4525	4592	4656	4683	4648	4609	4515	4452	4395	4326	4288	4280	4267	4329	4358			
15	4299	4443	4556	4664	4704	4657	4580	4446	4359	4261	4175	4106	4093	4089	4160	4219			
20	4148	4323	4504	4662	4717	4666	4520	4351	4218	4078	3965	3878	3855	3856	3942	4036			
25	3955	4189	4436	4661	4736	4661	4456	4209	4028	3846	3715	3598	3570	3585	3677	3810			
30	3721	4011	4335	4623	4724	4621	4362	4029	3795	3585	3423	3293	3261	3268	3391	3540			
35	3440	3794	4200	4550	4671	4547	4235	3806	3543	3308	3120	2984	2944	2951	3090	3244			
40	3137	3547	4032	4408	4533	4417	4069	3582	3266	3003	2800	2653	2620	2627	2758	2933			
45	2825	3283	3826	4218	4327	4237	3859	3335	2956	2670	2464	2332	2303	2305	2415	2606			
50	2487	3007	3561	3927	3996	3954	3614	3054	2622	2325	2105	2013	1971	1988	2055	2264			
55	2128	2679	3221	3503	3540	3539	3294	2733	2265	1980	1780	1699	1634	1667	1736	1909			
60	1737	2292	2784	2997	3026	3038	2879	2362	1873	1632	1472	1361	1329	1332	1424	1558			
65	1344	1836	2281	2475	2464	2525	2380	1924	1492	1280	1139	1049	955	1004	1084	1210			
70	954	1365	1749	1898	1916	1948	1847	1469	1105	948	835	666	597	636	776	871			
75	587	887	1172	1246	1181	1309	1267	993	731	625	484	358	318	332	420	552			
80	267	451	618	567	499	639	712	554	395	337	203	132	116	114	155	264			
85	39.2	96.6	97.1	75.3	68.4	106	180	171	117	81.6	27.7	10.4	8.69	8.94	12.1	39.4			
90	6.11	4.97	4.50	4.49	4.53	4.91	5.29	5.73	6.57	6.97	7.99	8.80	8.98	9.21	8.82	7.49			
95	8.18	6.76	6.01	5.40	5.25	5.37	5.96	6.63	7.31	9.06	10.7	11.8	12.1	12.3	11.6	9.91			
100	10.6	8.84	7.91	7.20	7.04	7.16	7.87	8.70	9.61	11.7	13.5	15.1	15.5	15.6	14.6	12.6			
105	13.2	11.1	9.99	9.24	9.06	9.22	10.00	11.0	12.1	14.5	16.6	18.5	19.1	18.9	17.7	15.4			
110	16.0	13.6	12.3	11.5	11.3	11.5	12.3	13.5	14.9	17.6	19.8	21.9	22.6	22.4	20.9	18.5			
115	19.1	16.3	14.8	13.9	13.7	13.9	14.9	16.2	17.9	20.8	23.0	25.4	26.2	25.9	24.2	21.7			
120	22.1	19.1	17.5	16.5	16.4	16.6	17.6	19.1	20.9	24.0	26.4	28.9	29.8	29.4	27.6	25.0			
125	25.2	22.0	20.3	19.3	19.2	19.4	20.4	22.0	23.9	27.1	29.5	32.0	33.1	32.6	30.7	27.9			
130	27.9	24.8	23.0	22.0	22.0	22.1	23.2	24.7	26.7	30.0	32.5	34.9	35.9	35.4	33.7	30.5			
135	30.3	27.2	25.5	24.6	24.5	24.6	25.7	27.3	29.4	32.5	35.0	37.3	38.2	37.8	36.0	32.8			
140	32.6	29.7	28.1	27.2	27.1	27.2	28.3	29.7	31.7	34.6	37.0	39.2	39.9	39.6	37.7	34.8			
145	34.4	32.0	30.4	29.5	29.6	29.5	30.6	31.8	33.8	36.6	38.7	41.0	41.7	41.2	39.4	36.4			
150	36.4	34.2	32.9	32.0	32.0	32.1	32.9	34.1	35.7	38.0	39.9	41.9	42.5	42.0	40.5	38.0			
155	38.2	36.2	35.0	34.1	34.3	34.3	35.0	36.0	37.5	39.5	41.1	42.9	43.3	42.8	41.6	39.2			
160	39.8	38.4	37.2	36.5	36.6	36.5	37.2	37.9	39.2	40.8	42.0	43.6	43.9	43.5	42.5	40.4			
165	41.6	40.3	39.4	38.6	38.9	38.8	39.4	40.0	41.1	42.0	42.9	44.3	44.4	44.1	43.4	41.6			
170	43.2	42.3	41.5	41.0	41.3	41.3	41.8	42.0	42.7	43.1	43.6	44.7	44.7	44.5	44.0	42.7			
175	44.2	43.7	43.0	42.9	43.1	43.1	43.4	43.2	44.1	44.2	44.3	45.2	45.0	45.1	44.8	43.7			
180	44.8	44.4	44.3	44.6	44.8	44.8	44.5	44.2	44.8	44.2	43.9	44.9	44.6	44.9	44.6	43.9			

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: