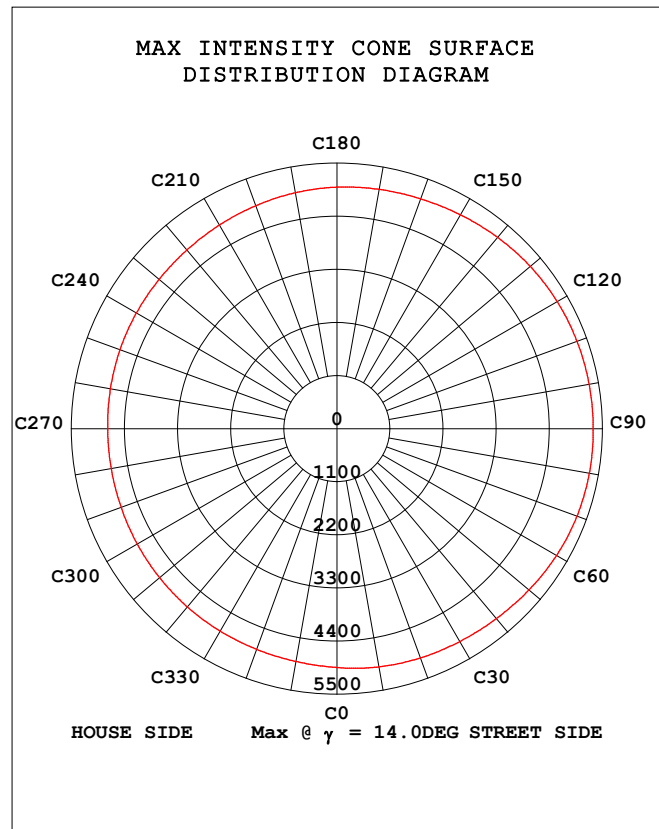
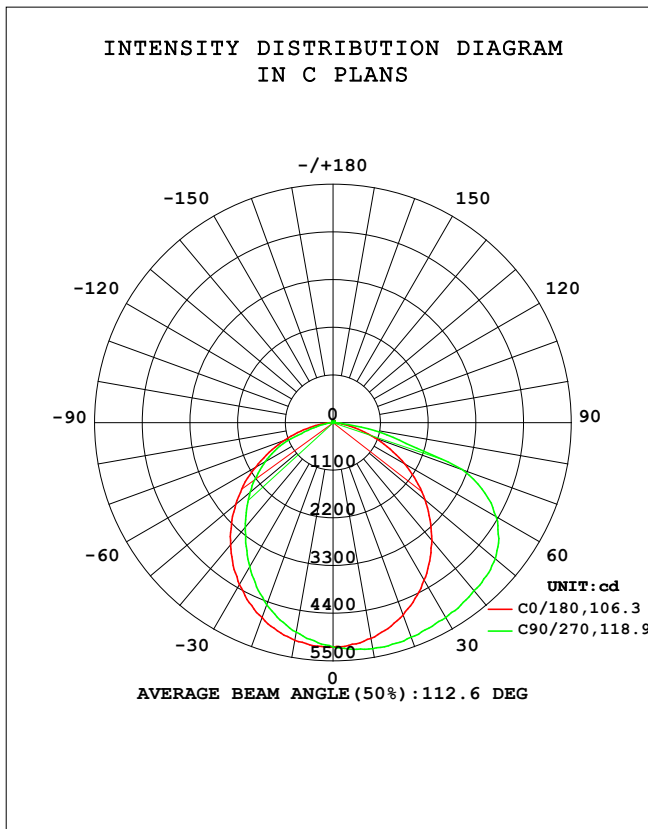


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.38V I:0.3741A P:102.30W PF:0.9929 Freq:60.00Hz Lamp Flux:15345.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.01 lm/W			
MODEL		Imax(cd)	5307	η street_up(%)	0.5
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	57.9
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	15346	η house_up(%)	0.6
NOMINAL FLUX(lm)	15345.6	MAXIMUM @ (C, γ)	90,14.0	η house_down(%)	41.0
LAMPS INSIDE	1	η up(%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	98.9	SLI	

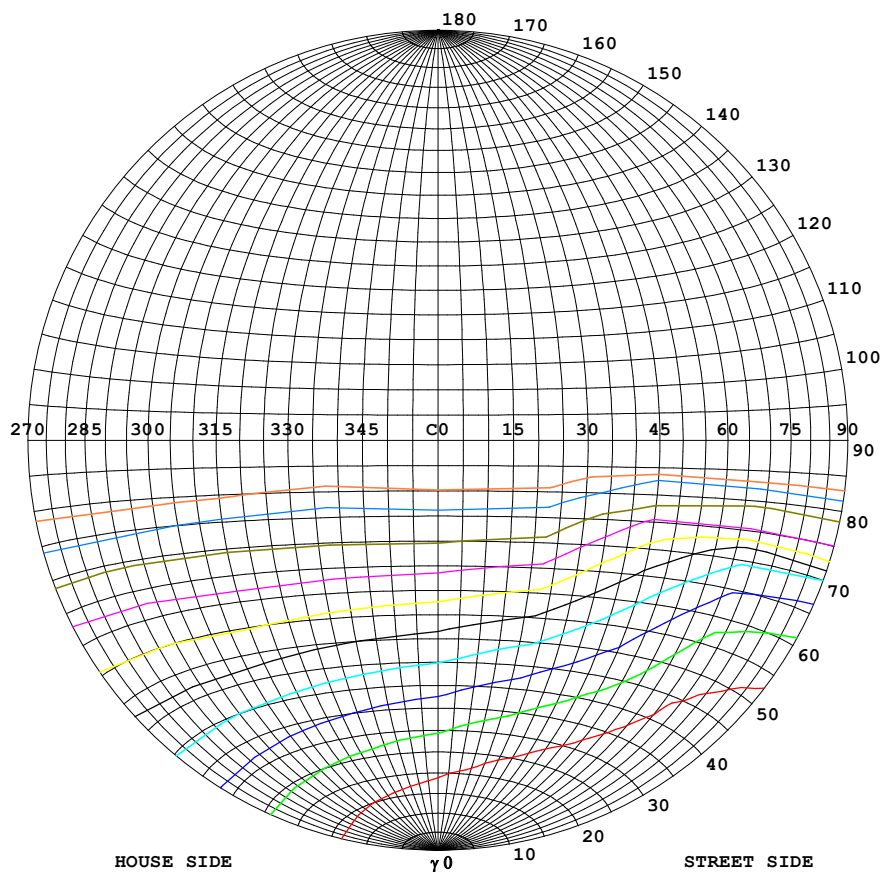


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.38V I:0.3741A P:102.30W PF:0.9929 Freq:60.00Hz Lamp Flux:15345.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

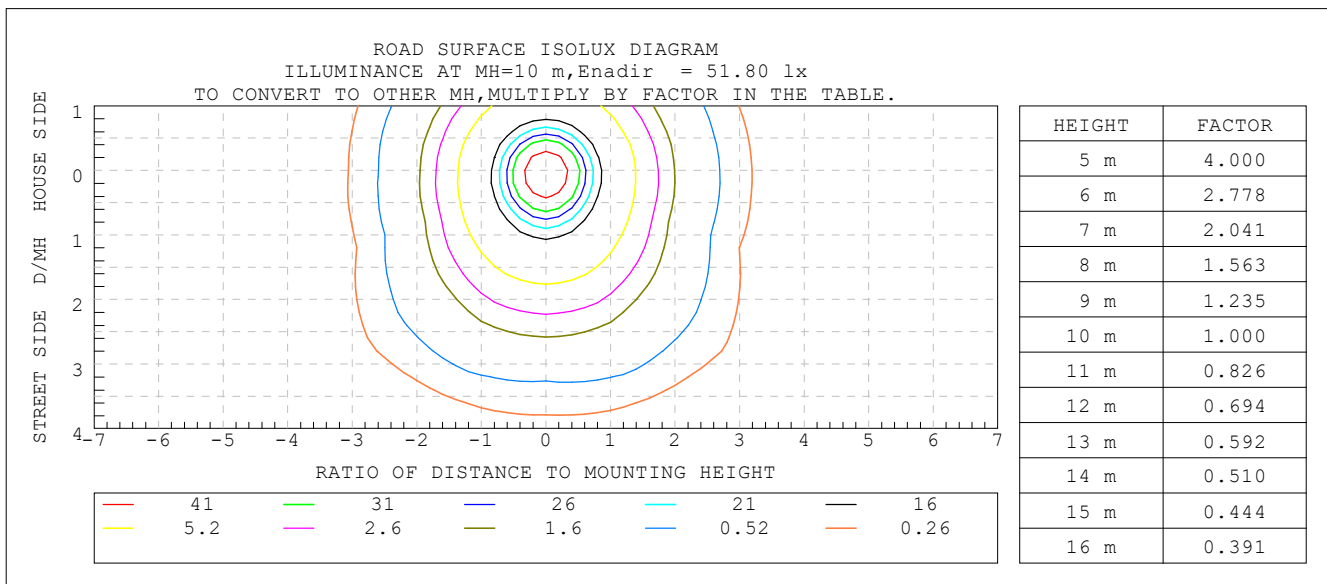
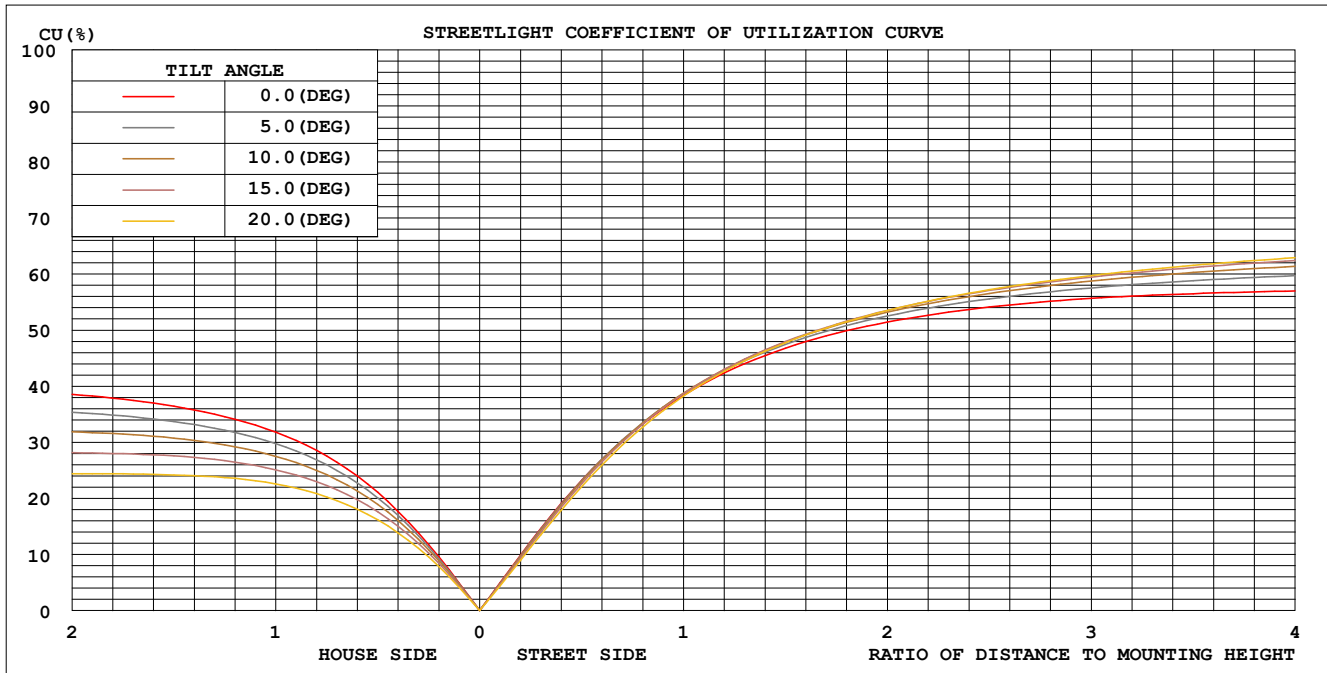
IES:Type IV - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:66.28cd/klm
Max.At90:0.8475cd/klm
Max.80-90:66.28cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5307
90%	4777
80%	4246
70%	3715
60%	3184
50%	2654
40%	2123
30%	1592
20%	1061
10%	531
5%	265

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:275.38V I:0.3741A P:102.30W PF:0.9929 Freq:60.00Hz Lamp Flux:15345.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

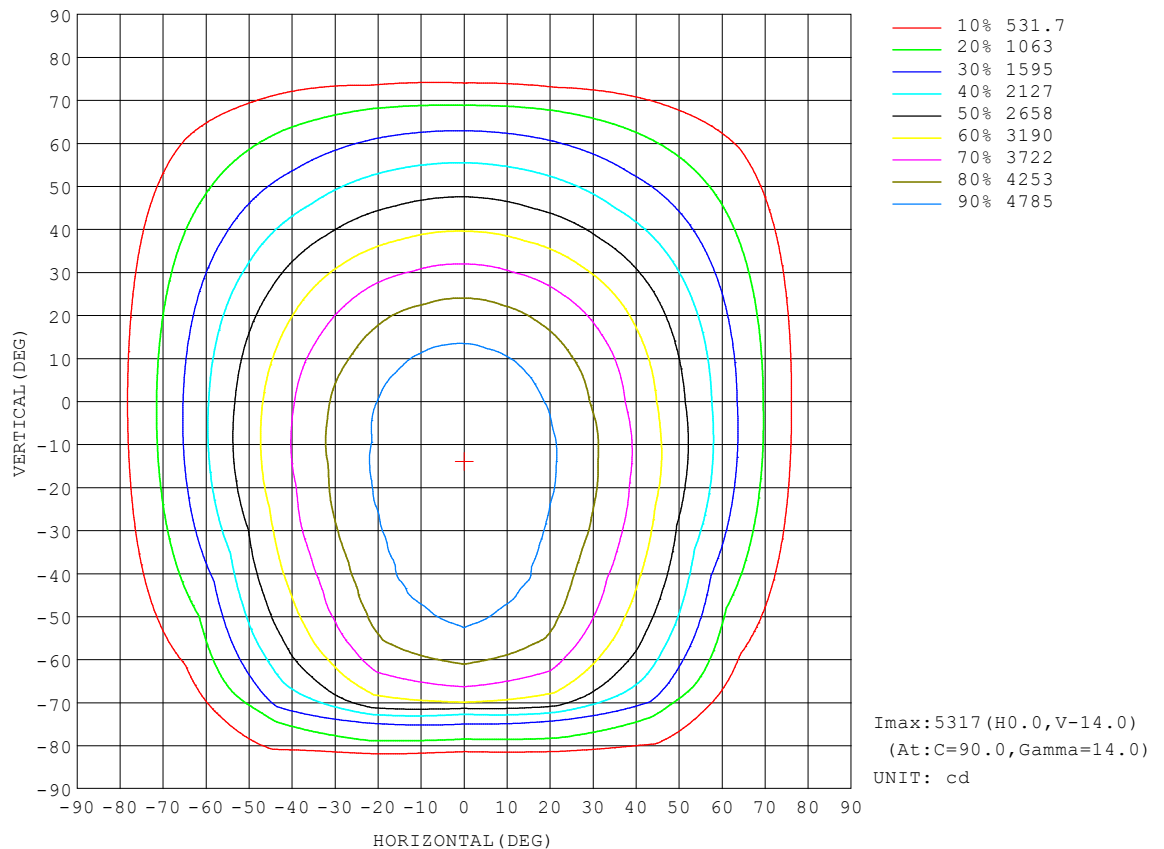
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5054	5193	5294	5232	5098	4953	4905	4956	0- 10	489.9	489.9	3.19,3.19
20	4728	5069	5271	5090	4789	4569	4476	4549	10- 20	1404	1894	12.3,12.3
30	4203	4761	5198	4811	4323	3997	3839	3955	20- 30	2129	4023	26.2,26.2
40	3551	4340	5062	4383	3676	3288	3157	3248	30- 40	2582	6606	43,43
50	2767	3775	4887	3825	2932	2543	2497	2487	40- 50	2733	9339	60.9,60.9
60	1911	3130	4340	3201	2069	1794	1813	1743	50- 60	2571	11910	77.6,77.6
70	1024	2242	3171	2318	1189	1081	876.3	1013	60- 70	2054	13964	91,91
80	273.3	767.4	826.7	907.1	412.5	286.5	184.9	231.2	70- 80	1057	15021	97.9,97.9
90	6.635	5.785	5.868	6.243	7.029	9.820	13.01	10.33	80- 90	157.5	15178	98.9,98.9
100	11.62	9.931	9.109	9.373	10.35	16.44	21.17	16.72	90-100	11.29	15190	99,99
110	17.92	15.24	14.12	14.49	16.26	23.45	28.84	23.58	100-110	17.06	15207	99.1,99.1
120	24.75	21.37	19.92	20.45	23.07	31.33	36.27	30.99	110-120	22.40	15229	99.2,99.2
130	31.55	27.68	26.15	26.72	29.87	38.50	42.56	37.42	120-130	26.30	15255	99.4,99.4
140	36.94	33.43	31.75	32.17	35.64	43.74	46.16	41.43	130-140	27.17	15283	99.6,99.6
150	41.60	38.82	37.06	37.15	40.47	46.66	48.55	44.43	140-150	24.94	15308	99.8,99.8
160	46.05	43.70	41.88	41.70	44.76	48.36	49.51	46.69	150-160	20.10	15328	99.9,99.9
170	49.86	48.16	46.71	46.53	49.05	50.51	50.14	48.52	160-170	13.25	15341	100,100
180	51.78	51.33	50.23	49.27	51.47	51.23	50.53	49.44	170-180	4.719	15346	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

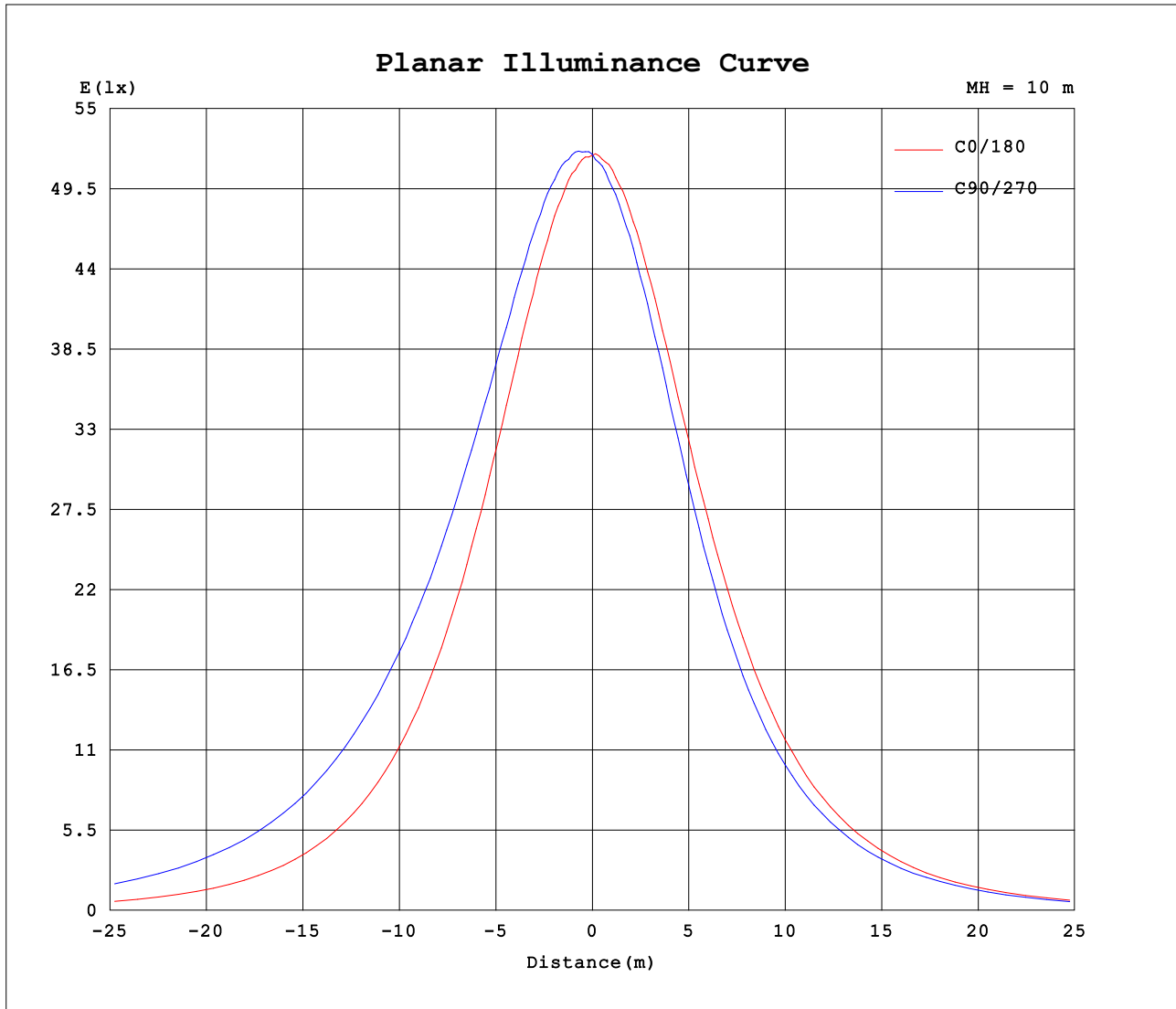
Test:U:275.38V I:0.3741A P:102.30W PF:0.9929 Freq:60.00Hz Lamp Flux:15345.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



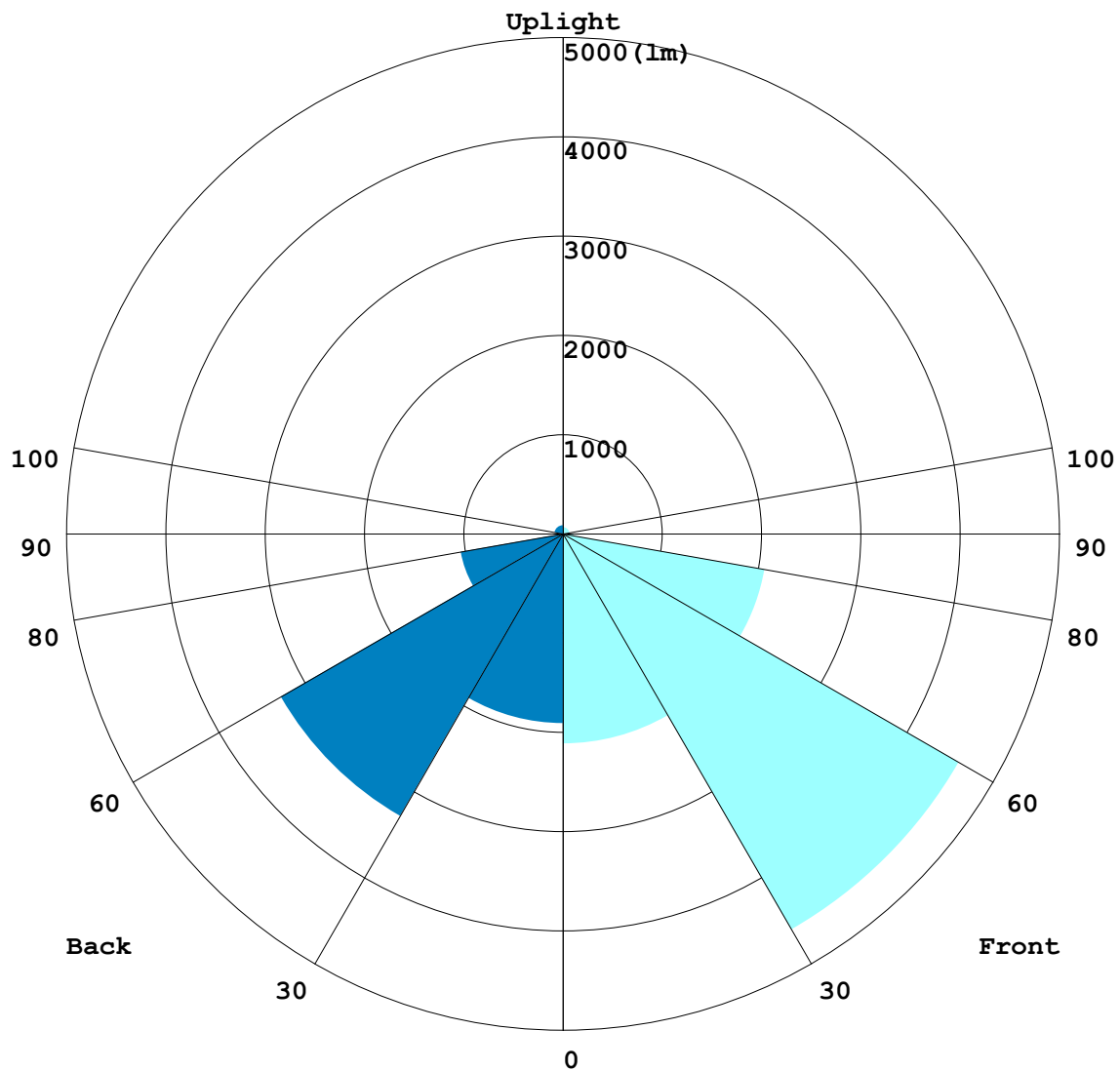
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.38V I:0.3741A P:102.30W PF:0.9929 Freq:60.00Hz Lamp Flux:15345.6x1 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:275.38V I:0.3741A P:102.30W PF:0.9929 Freq:60.00Hz Lamp Flux:15345.6x1 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)	2113	13.8
FM - Front-Medium(30-60)	4604.1	30.0
FH - Front-High(60-80)	2062.7	13.4
FVH - Front-Very High(80-90)	111.56	0.7
Total Forward Light	8963.3	58.4

BL - Back-Low(0-30)	1910.2	12.4
BM - Back-Medium(30-60)	3283	21.4
BH - Back-High(60-80)	1047.9	6.8
BVH - Back-Very High(80-90)	45.955	0.3
Total Back Light	6382.3	41.6

UL - Uplight-Low(90-100)	11.294	0.1
UH - Uplight-High(100-180)	155.94	1.0
Total Up Light	167.24	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6287.1	95.255	6382.3
Street Side	8891.3	71.983	8963.3

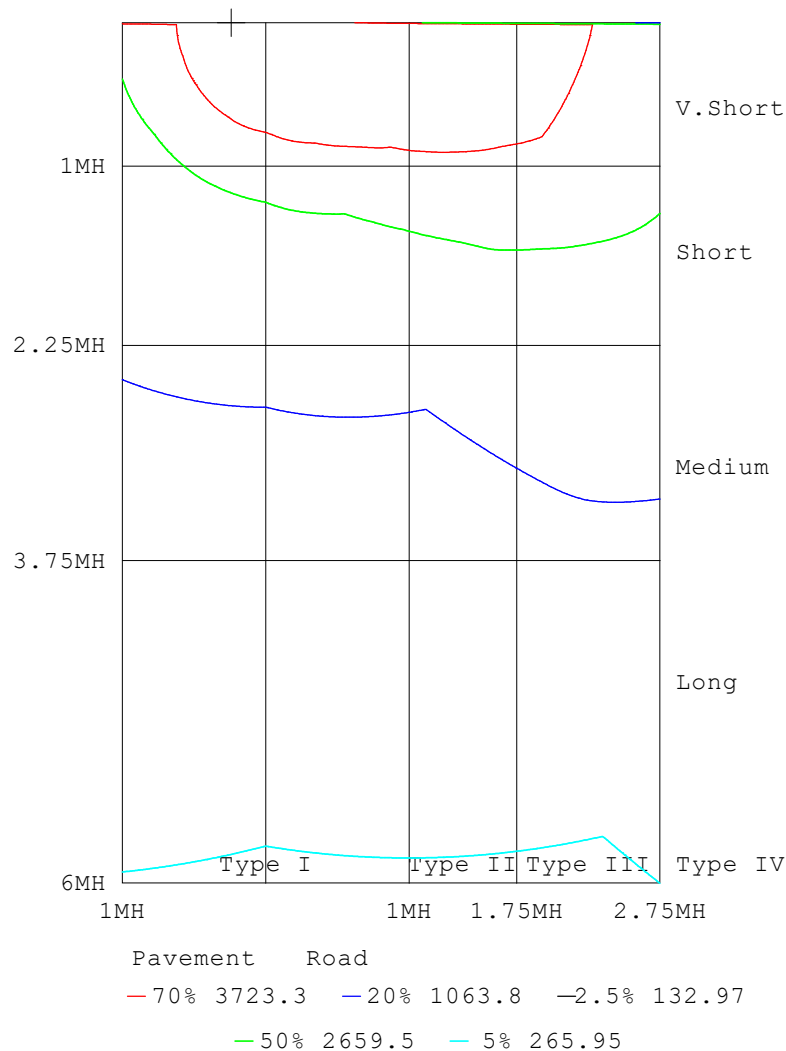
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.38V I:0.3741A P:102.30W PF:0.9929 Freq:60.00Hz Lamp Flux:15345.6x1 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:275.38V I:0.3741A P:102.30W PF:0.9929 Freq:60.00Hz Lamp Flux:15345.6x1 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	5177	5177	5177	5177	5177	5177	5177	5177	5177	5177	5177	5177	5177	5177	5177	5177			
5	5134	5178	5206	5253	5253	5254	5230	5189	5170	5131	5092	5075	5054	5058	5082	5104			
10	5054	5140	5193	5287	5294	5286	5232	5142	5098	5024	4953	4935	4905	4916	4956	4982			
15	4917	5047	5156	5281	5291	5274	5184	5049	4969	4861	4777	4748	4723	4729	4778	4830			
20	4728	4901	5069	5226	5271	5228	5090	4922	4789	4657	4569	4494	4476	4483	4549	4623			
25	4480	4702	4941	5157	5236	5171	4969	4743	4578	4415	4310	4205	4179	4185	4264	4376			
30	4203	4467	4761	5084	5198	5092	4811	4514	4323	4136	3997	3881	3839	3848	3955	4074			
35	3897	4203	4557	4995	5142	5000	4617	4233	4021	3819	3646	3536	3495	3509	3618	3746			
40	3551	3882	4340	4867	5062	4866	4383	3934	3676	3460	3288	3187	3157	3158	3248	3404			
45	3171	3527	4061	4744	5006	4751	4109	3596	3313	3093	2922	2828	2824	2806	2871	3026			
50	2767	3128	3775	4605	4887	4624	3825	3218	2932	2709	2543	2488	2497	2462	2487	2637			
55	2351	2683	3470	4399	4670	4416	3538	2784	2525	2307	2159	2161	2152	2126	2102	2227			
60	1911	2196	3130	4083	4340	4108	3201	2298	2069	1907	1794	1815	1813	1782	1743	1821			
65	1462	1678	2729	3663	3871	3700	2793	1782	1625	1498	1440	1449	1431	1411	1381	1416			
70	1024	1175	2242	3098	3171	3162	2318	1285	1189	1105	1081	1025	876	980	1013	1033			
75	613	697	1667	1640	1594	1773	1779	805	778	736	698	505	462	471	583	662			
80	273	313	767	934	827	1017	907	402	412	407	287	209	185	177	231	335			
85	39.2	58.4	133	102	132	134	205	97.1	120	106	46.8	16.1	13.7	13.2	16.7	60.0			
90	6.64	6.01	5.78	5.88	5.87	6.08	6.24	6.50	7.03	7.65	9.82	12.3	13.0	12.5	10.3	7.92			
95	8.94	8.11	7.65	7.20	6.93	6.86	7.16	7.65	7.84	10.00	13.0	16.1	17.1	16.2	13.4	10.5			
100	11.6	10.5	9.93	9.44	9.11	9.06	9.37	9.97	10.3	13.0	16.4	20.0	21.2	19.9	16.7	13.5			
105	14.7	13.2	12.5	11.9	11.5	11.5	11.9	12.5	13.2	16.4	19.8	23.8	25.2	23.5	20.1	16.6			
110	17.9	16.1	15.2	14.6	14.1	14.0	14.5	15.4	16.3	19.9	23.5	27.3	28.8	27.0	23.6	20.1			
115	21.3	19.2	18.2	17.4	16.9	16.8	17.3	18.4	19.6	23.6	27.4	31.0	32.5	30.6	27.2	23.7			
120	24.8	22.4	21.4	20.4	19.9	19.8	20.5	21.7	23.1	27.4	31.3	34.9	36.3	34.4	31.0	27.3			
125	28.3	25.7	24.6	23.7	23.1	23.0	23.7	24.9	26.6	31.1	35.2	38.6	39.8	37.9	34.4	30.5			
130	31.6	29.0	27.7	26.8	26.2	26.0	26.7	28.0	29.9	34.5	38.5	41.5	42.6	40.8	37.4	33.4			
135	34.4	31.9	30.7	29.7	29.0	28.8	29.4	30.9	32.8	37.3	41.4	43.9	44.6	42.8	39.6	36.0			
140	36.9	34.6	33.4	32.5	31.7	31.6	32.2	33.6	35.6	39.7	43.7	45.9	46.2	44.4	41.4	38.3			
145	39.4	37.3	36.1	35.2	34.4	34.1	34.7	35.9	38.2	41.9	45.3	47.7	47.7	46.0	43.2	40.2			
150	41.6	39.8	38.8	37.8	37.1	36.8	37.1	38.4	40.5	43.7	46.7	48.5	48.6	46.8	44.4	42.0			
155	43.9	42.3	41.3	40.4	39.5	39.1	39.4	40.5	42.5	45.2	47.5	49.2	49.1	47.5	45.7	43.5			
160	46.0	44.7	43.7	42.9	41.9	41.5	41.7	42.7	44.8	46.8	48.4	49.6	49.5	48.2	46.7	44.9			
165	48.1	47.0	46.1	45.3	44.3	43.9	44.0	44.8	46.8	48.3	49.4	50.1	49.9	48.7	47.7	46.3			
170	49.9	49.0	48.2	47.6	46.7	46.5	46.5	47.0	49.1	50.0	50.5	50.6	50.1	49.2	48.5	47.7			
175	51.2	50.6	49.9	49.7	48.5	48.5	48.2	48.2	50.8	51.3	51.4	51.3	50.6	49.9	49.5	48.9			
180	51.8	51.1	51.3	51.4	50.2	50.1	49.3	49.2	51.5	51.3	51.2	51.0	50.5	49.8	49.4	49.0			

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: