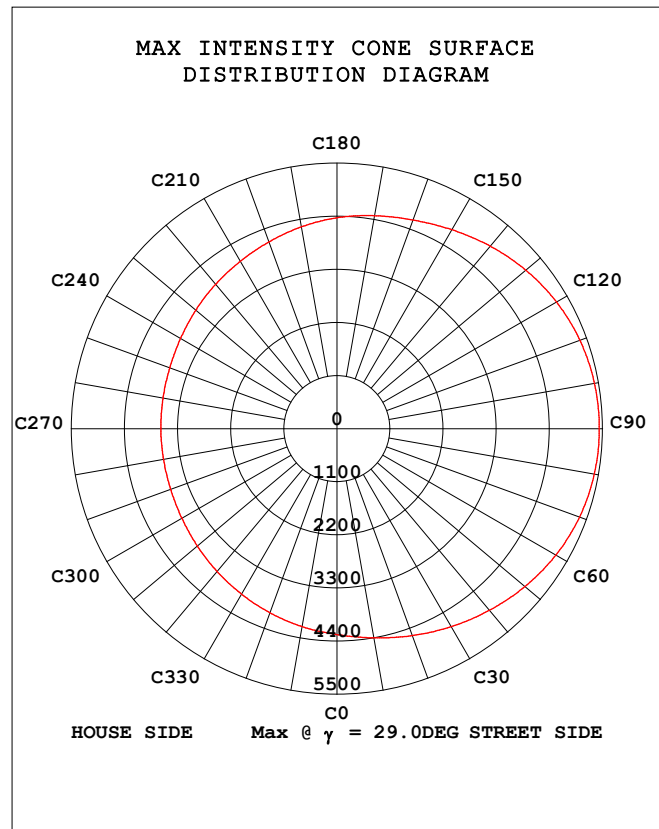
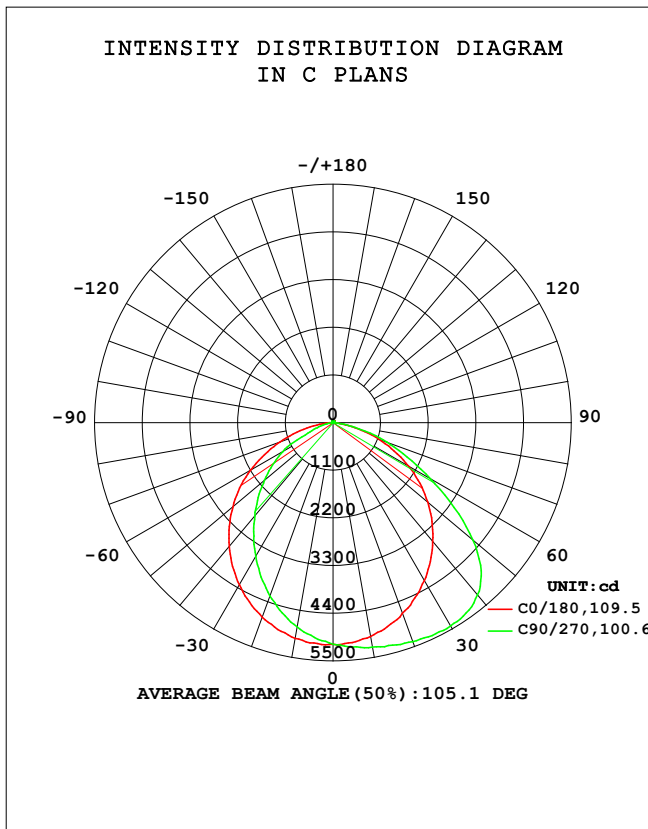


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.29V I:0.3722A P:101.72W PF:0.9928 Freq:60.00Hz Lamp Flux:14543.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 142.97 lm/W			
MODEL		I _{max} (cd)	5433	η street_up (%)	0.5
NOMINAL POWER (W)	100	LOR (%)	100.0	η street_down (%)	59.1
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	14544	η house_up (%)	0.6
NOMINAL FLUX (lm)	14543.8	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	

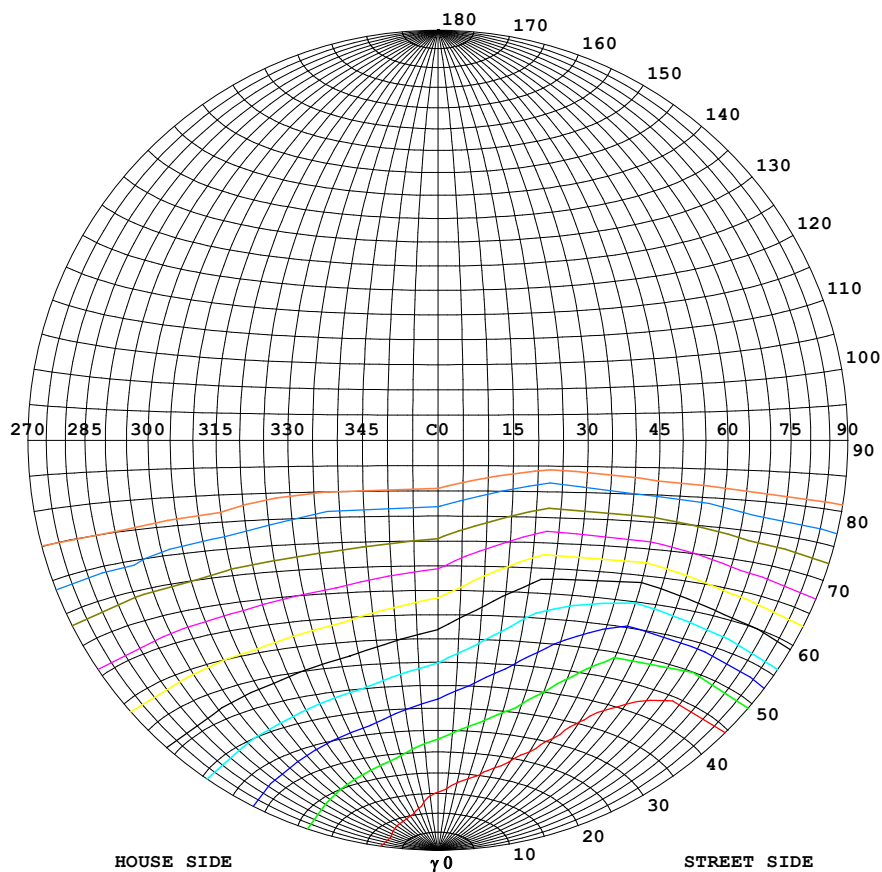


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.29V I:0.3722A P:101.72W PF:0.9928 Freq:60.00Hz Lamp Flux:14543.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

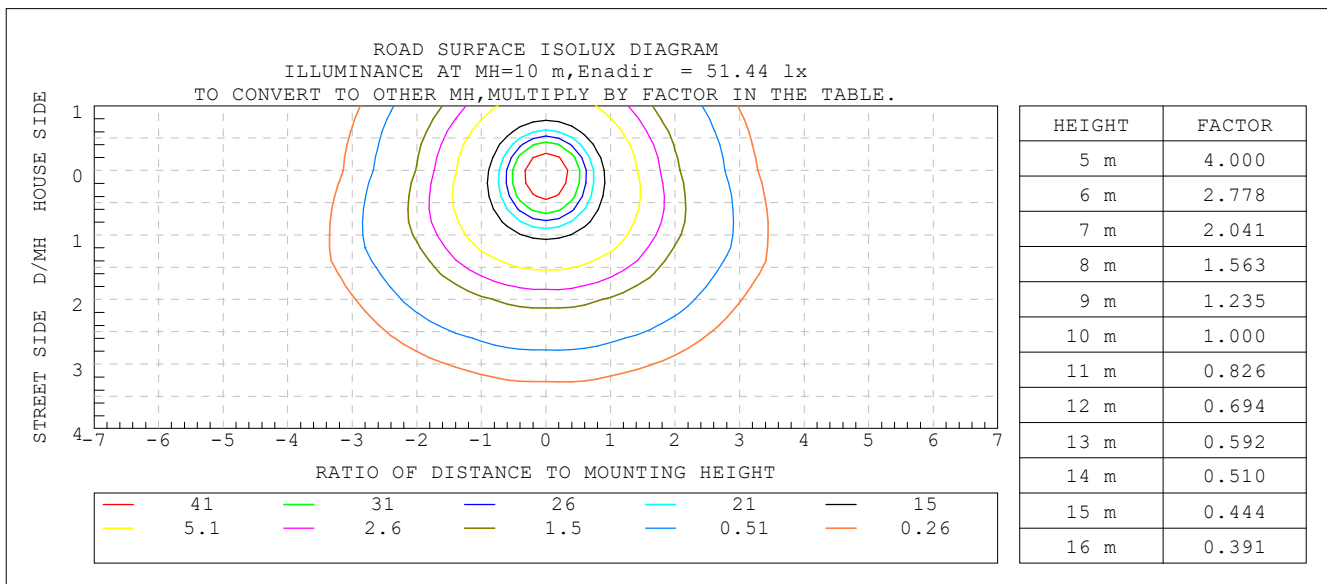
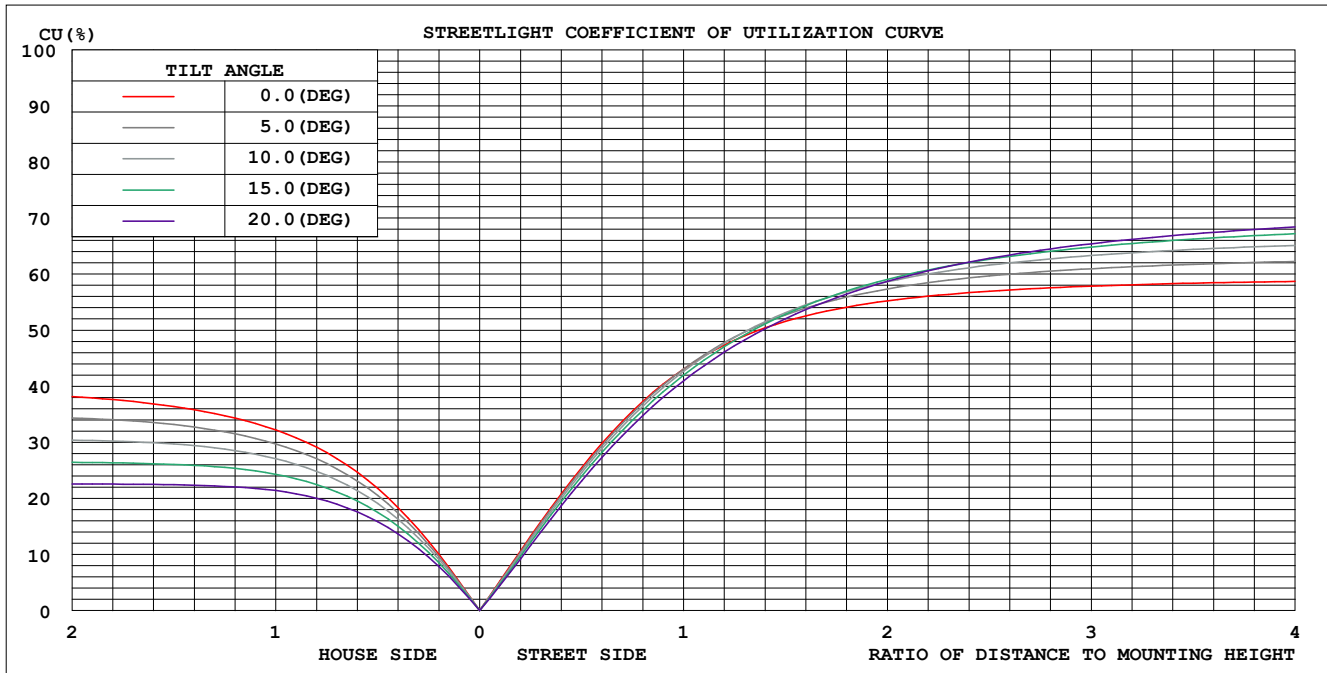
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:58.41cd/klm
Max.At90:0.6475cd/klm
Max.80-90:58.41cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5433
90%	4890
80%	4346
70%	3803
60%	3260
50%	2716
40%	2173
30%	1630
20%	1087
10%	543
5%	272

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

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: 2025-07-19

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:275.29V I:0.3722A P:101.72W PF:0.9928 Freq:60.00Hz Lamp Flux:14543.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

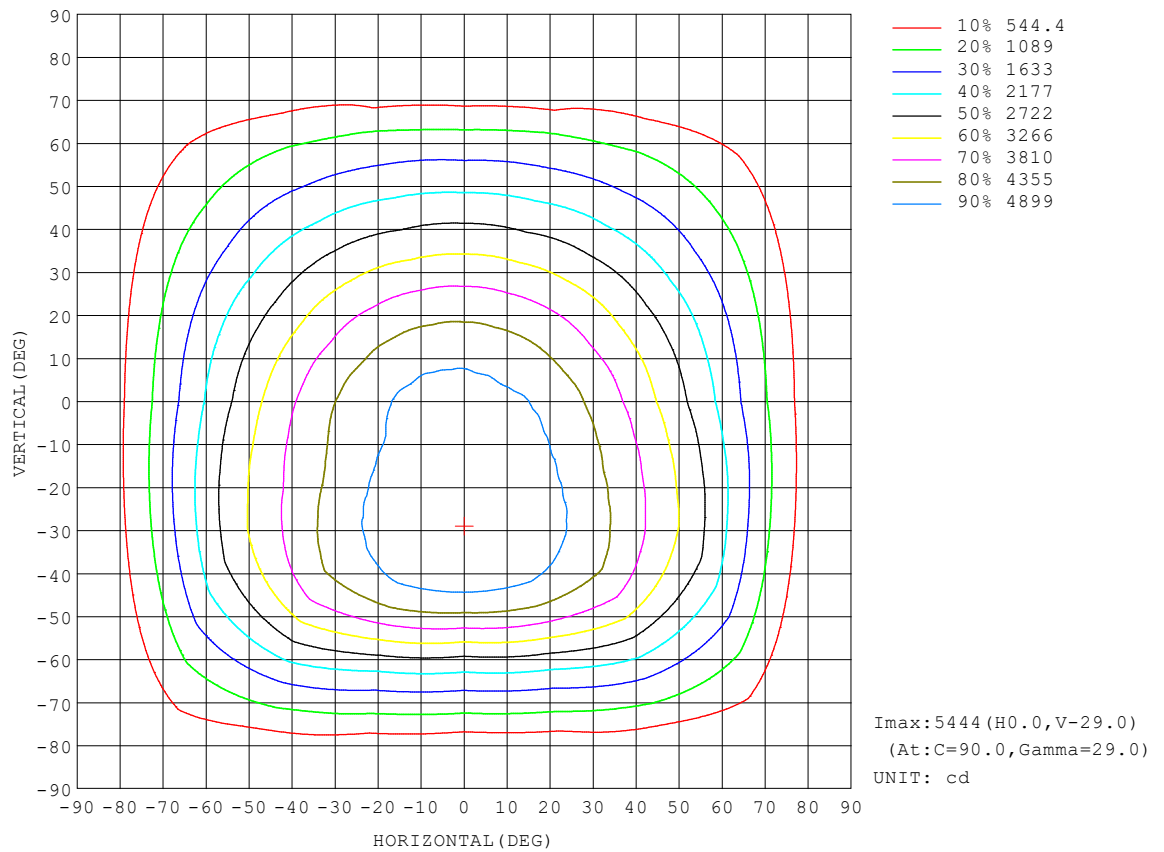
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5011	5170	5256	5172	5054	4863	4784	4848	0- 10	484.1	484.1	3.33,3.33
20	4683	5114	5379	5133	4778	4424	4261	4384	10- 20	1388	1872	12.9,12.9
30	4213	4985	5421	4999	4326	3788	3573	3747	20- 30	2118	3990	27.4,27.4
40	3581	4735	5190	4782	3733	3072	2812	3004	30- 40	2591	6580	45.2,45.2
50	2857	4258	4218	4328	3012	2311	2063	2240	40- 50	2729	9309	64,64
60	2015	3204	2597	3336	2202	1576	1345	1513	50- 60	2427	11736	80.7,80.7
70	1117	1803	1328	1919	1304	900.5	474.7	825.7	60- 70	1706	13442	92.4,92.4
80	299.9	491.0	322.9	611.6	463.8	174.5	90.52	135.3	70- 80	815.4	14257	98,98
90	7.566	4.765	4.555	5.658	8.093	8.620	7.343	9.417	80- 90	125.1	14382	98.9,98.9
100	12.97	8.438	7.085	8.383	11.74	14.95	14.12	16.00	90-100	9.848	14392	99,99
110	19.39	13.34	11.76	13.36	18.02	22.06	22.45	23.16	100-110	15.58	14408	99.1,99.1
120	26.48	19.26	17.47	19.31	24.92	29.55	31.11	30.87	110-120	21.17	14429	99.2,99.2
130	33.14	25.50	23.71	25.48	31.83	36.46	38.64	37.94	120-130	25.31	14454	99.4,99.4
140	38.23	31.38	29.76	31.30	37.35	41.82	44.33	43.19	130-140	26.62	14481	99.6,99.6
150	42.51	36.93	35.51	36.75	41.74	45.75	47.66	46.25	140-150	24.70	14506	99.7,99.7
160	46.31	41.88	40.92	41.73	45.79	48.47	49.54	48.22	150-160	20.06	14526	99.9,99.9
170	50.01	46.80	46.24	46.90	49.71	50.32	50.91	50.13	160-170	13.29	14539	100,100
180	51.64	50.30	50.80	50.56	52.17	50.50	50.56	50.49	170-180	4.742	14544	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

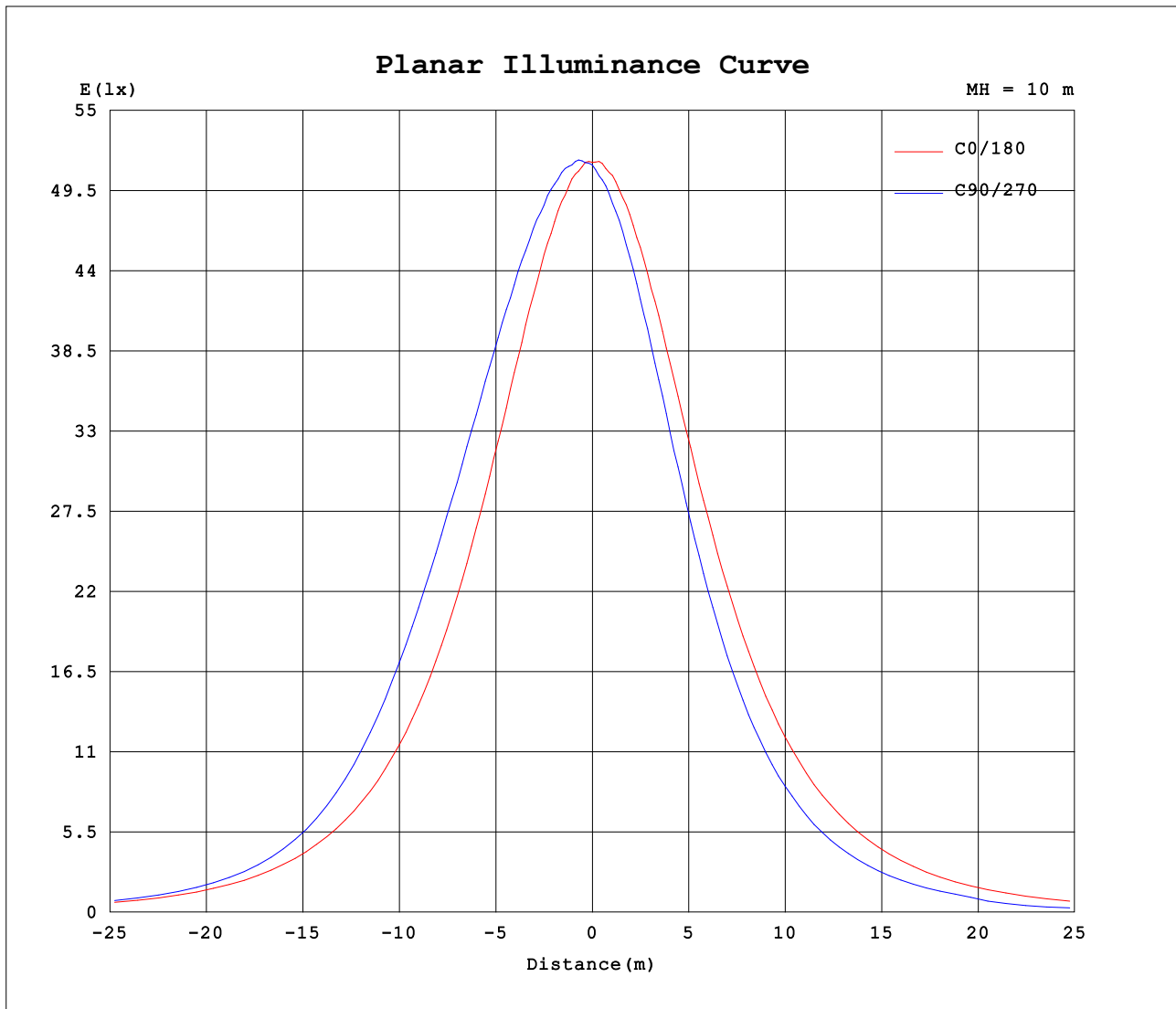
Test:U:275.29V I:0.3722A P:101.72W PF:0.9928 Freq:60.00Hz Lamp Flux:14543.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



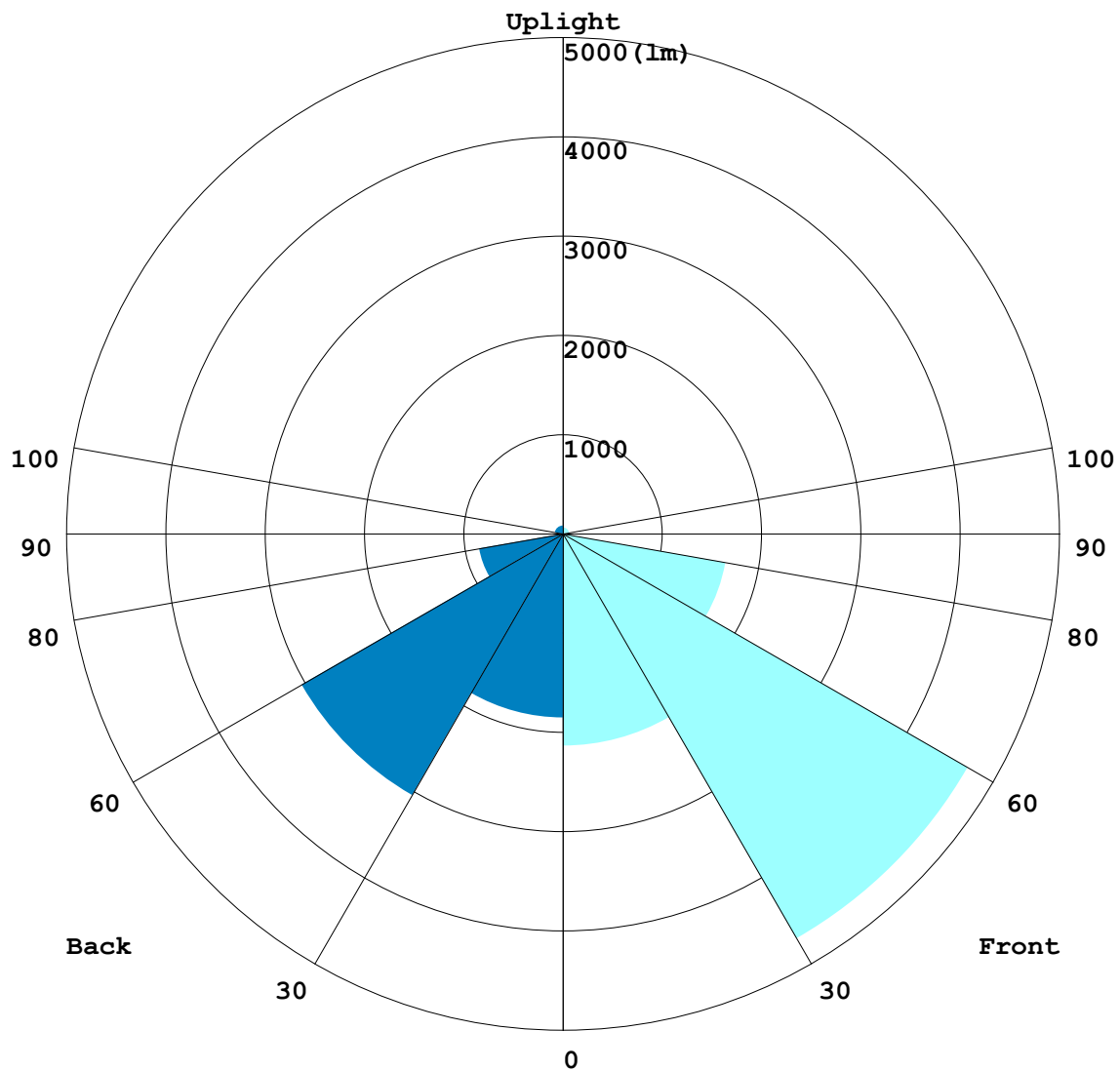
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.29V I:0.3722A P:101.72W PF:0.9928 Freq:60.00Hz Lamp Flux:14543.8x1 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:275.29V I:0.3722A P:101.72W PF:0.9928 Freq:60.00Hz Lamp Flux:14543.8x1 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)	2136.2	14.7
FM - Front-Medium(30-60)	4706	32.4
FH - Front-High(60-80)	1662.1	11.4
FVH - Front-Very High(80-90)	91.145	0.6
Total Forward Light	8664.4	59.6

BL - Back-Low(0-30)	1853.5	12.7
BM - Back-Medium(30-60)	3040.6	20.9
BH - Back-High(60-80)	858.99	5.9
BVH - Back-Very High(80-90)	33.989	0.2
Total Back Light	5879.4	40.4

UL - Uplight-Low(90-100)	9.8478	0.1
UH - Uplight-High(100-180)	151.48	1.0
Total Up Light	161.32	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5787	92.347	5879.4
Street Side	8595.4	68.975	8664.4

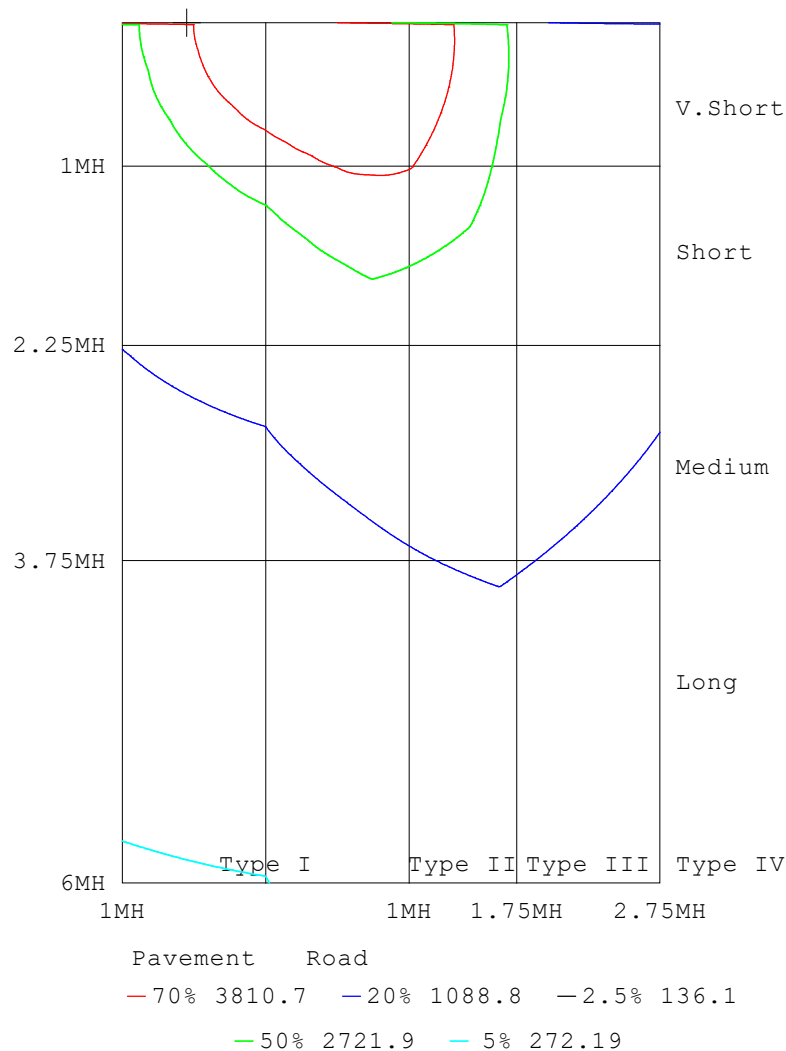
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 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:275.29V I:0.3722A P:101.72W PF:0.9928 Freq:60.00Hz Lamp Flux:14543.8x1 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:275.29V I:0.3722A P:101.72W PF:0.9928 Freq:60.00Hz Lamp Flux:14543.8x1 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	5115	5115	5115	5115	5115	5115	5115	5115	5115	5115	5115	5115	5115	5115	5115	5115			
5	5093	5132	5166	5206	5200	5200	5161	5138	5106	5045	5012	4993	4979	4999	5009	5060			
10	5011	5093	5170	5258	5256	5266	5172	5126	5054	4942	4863	4824	4784	4817	4848	4941			
15	4875	5005	5144	5291	5314	5305	5167	5053	4940	4788	4676	4592	4543	4573	4636	4769			
20	4683	4889	5114	5309	5379	5334	5133	4939	4778	4585	4424	4301	4261	4274	4384	4534			
25	4465	4751	5059	5330	5422	5337	5078	4782	4565	4316	4126	3973	3934	3957	4088	4279			
30	4213	4566	4985	5333	5421	5334	4999	4608	4326	4018	3788	3630	3573	3610	3747	3977			
35	3917	4349	4875	5269	5354	5291	4895	4413	4051	3693	3435	3263	3192	3236	3380	3637			
40	3581	4107	4735	5128	5190	5160	4782	4178	3733	3341	3072	2883	2812	2845	3004	3273			
45	3229	3864	4549	4831	4835	4879	4601	3925	3384	2967	2695	2502	2447	2468	2633	2888			
50	2857	3606	4258	4333	4218	4390	4328	3659	3012	2578	2311	2134	2063	2104	2240	2507			
55	2454	3309	3816	3627	3414	3696	3909	3381	2632	2191	1925	1784	1705	1756	1867	2118			
60	2015	2943	3204	2816	2597	2893	3336	3041	2202	1810	1576	1424	1345	1391	1513	1726			
65	1561	2468	2508	2048	1894	2115	2643	2590	1751	1419	1232	1052	800	973	1169	1333			
70	1117	1897	1803	1433	1328	1487	1919	2031	1304	1050	901	527	475	500	826	970			
75	688	1298	1172	926	762	978	1266	1440	870	697	414	301	273	282	363	622			
80	300	717	491	367	323	397	612	849	464	378	175	106	90.5	87.0	135	270			
85	41.5	195	102	65.2	58.4	79.2	136	312	131	77.3	21.0	7.28	6.11	7.09	9.62	37.3			
90	7.57	5.63	4.77	4.59	4.55	5.16	5.66	6.50	8.09	8.43	8.62	7.84	7.34	8.32	9.42	9.00			
95	10.1	7.73	6.38	5.44	5.19	5.48	6.34	7.46	9.00	10.9	11.7	11.0	10.4	11.6	12.6	11.9			
100	13.0	10.1	8.44	7.43	7.08	7.43	8.38	9.80	11.7	13.9	15.0	14.6	14.1	15.4	16.0	14.9			
105	16.1	12.7	10.8	9.66	9.25	9.70	10.8	12.4	14.8	17.2	18.4	18.5	18.2	19.4	19.6	18.2			
110	19.4	15.6	13.3	12.2	11.8	12.2	13.4	15.3	18.0	20.6	22.1	22.6	22.5	23.5	23.2	21.7			
115	22.9	18.7	16.2	14.8	14.5	15.0	16.2	18.4	21.4	24.3	25.8	26.7	26.9	27.6	27.0	25.3			
120	26.5	22.0	19.3	17.7	17.5	17.8	19.3	21.6	24.9	28.0	29.5	30.8	31.1	31.8	30.9	29.1			
125	29.9	25.3	22.4	20.8	20.5	21.0	22.4	24.9	28.5	31.5	33.1	34.6	35.2	35.8	34.6	32.5			
130	33.1	28.5	25.5	24.0	23.7	24.2	25.5	28.1	31.8	34.9	36.5	38.0	38.6	39.2	37.9	35.6			
135	35.8	31.4	28.5	27.0	26.8	27.2	28.5	31.0	34.8	37.7	39.5	40.9	41.8	42.1	40.9	38.1			
140	38.2	34.3	31.4	29.9	29.8	30.0	31.3	33.6	37.4	40.1	41.8	43.4	44.3	44.7	43.2	40.3			
145	40.5	36.8	34.1	32.7	32.5	32.9	34.0	36.1	39.8	42.4	44.0	45.6	46.3	46.7	44.8	42.2			
150	42.5	39.4	36.9	35.6	35.5	35.7	36.8	38.5	41.7	44.1	45.7	46.9	47.7	47.8	46.3	43.8			
155	44.3	41.7	39.4	38.2	38.3	38.5	39.3	40.8	43.8	45.8	47.3	48.2	48.6	48.6	47.3	45.1			
160	46.3	44.1	41.9	40.9	40.9	41.1	41.7	43.1	45.8	47.2	48.5	49.4	49.5	49.6	48.2	46.4			
165	48.2	46.4	44.5	43.5	43.6	43.9	44.4	45.4	47.8	48.5	49.6	50.3	50.4	50.4	49.2	47.7			
170	50.0	48.7	46.8	46.2	46.2	46.6	46.9	47.5	49.7	49.6	50.3	51.0	50.9	51.1	50.1	49.0			
175	51.2	50.3	48.6	48.5	48.6	49.0	49.0	49.3	51.5	50.8	51.0	51.3	51.0	51.4	50.6	50.0			
180	51.6	51.2	50.3	50.5	50.8	50.8	50.6	50.3	52.2	50.8	50.5	50.7	50.6	50.8	50.5	50.0			

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: