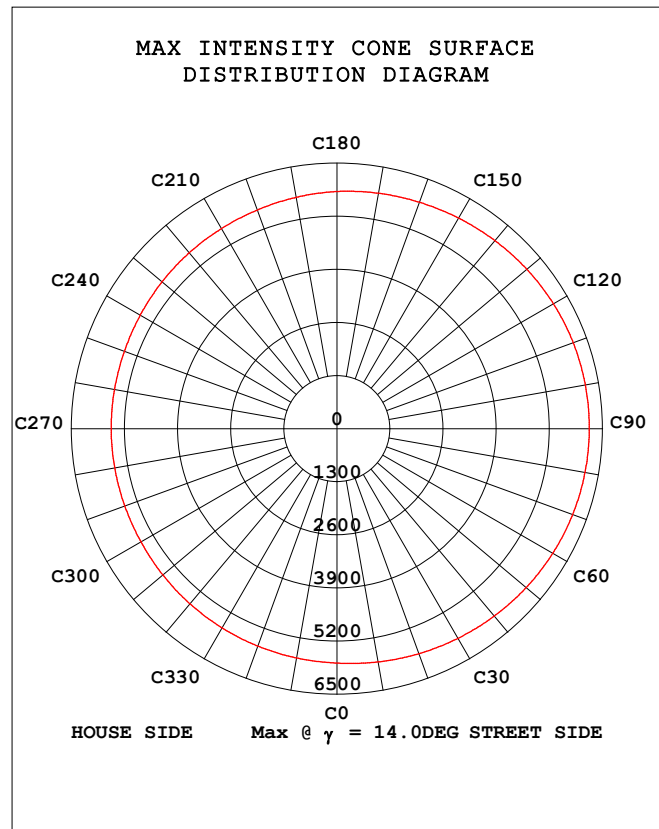
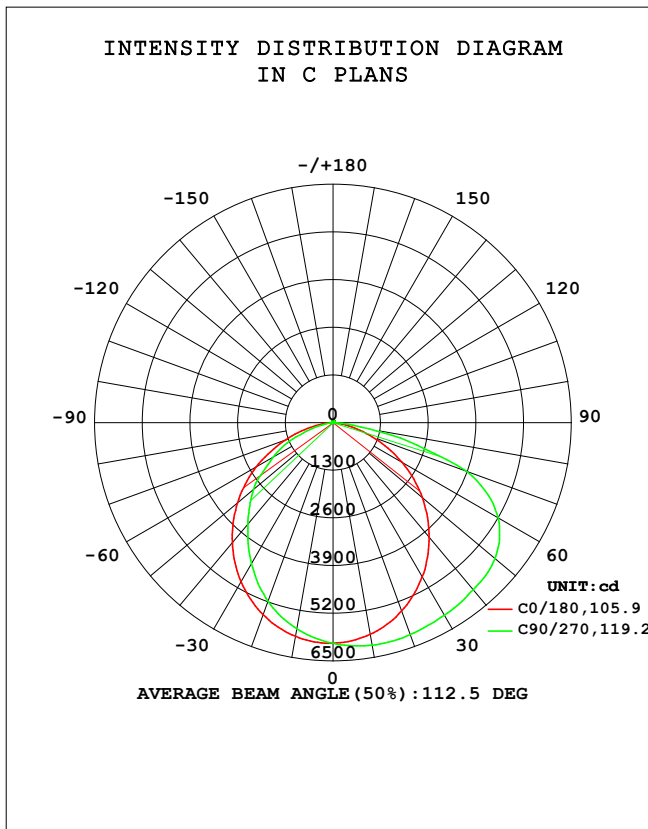


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.34V I:0.4259A P:116.65W PF:0.9948 Freq:60.00Hz Lamp Flux:17862.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 153.13 lm/W			
MODEL		I _{max} (cd)	6176	η street_up (%)	0.5
NOMINAL POWER(W)	120	LOR (%)	100.0	η street_down (%)	58.7
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	17863	η house_up (%)	0.6
NOMINAL FLUX(lm)	17862.8	MAXIMUM @ (C, γ)	90,14.0	η house_down (%)	40.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

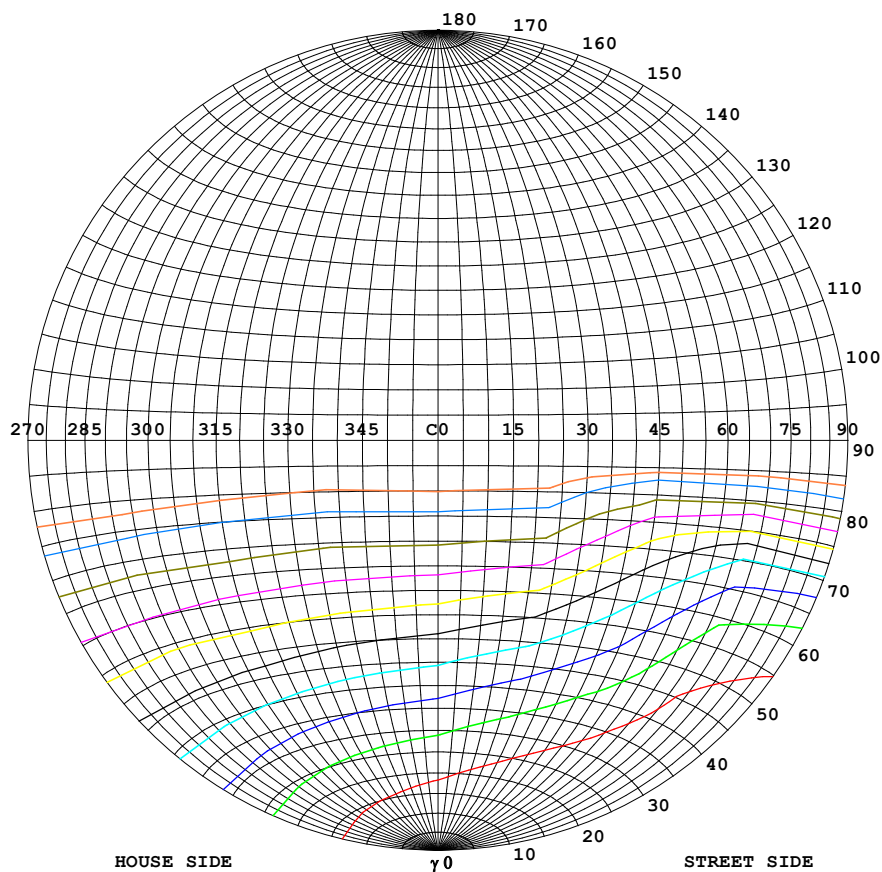


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.34V I:0.4259A P:116.65W PF:0.9948 Freq:60.00Hz Lamp Flux:17862.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

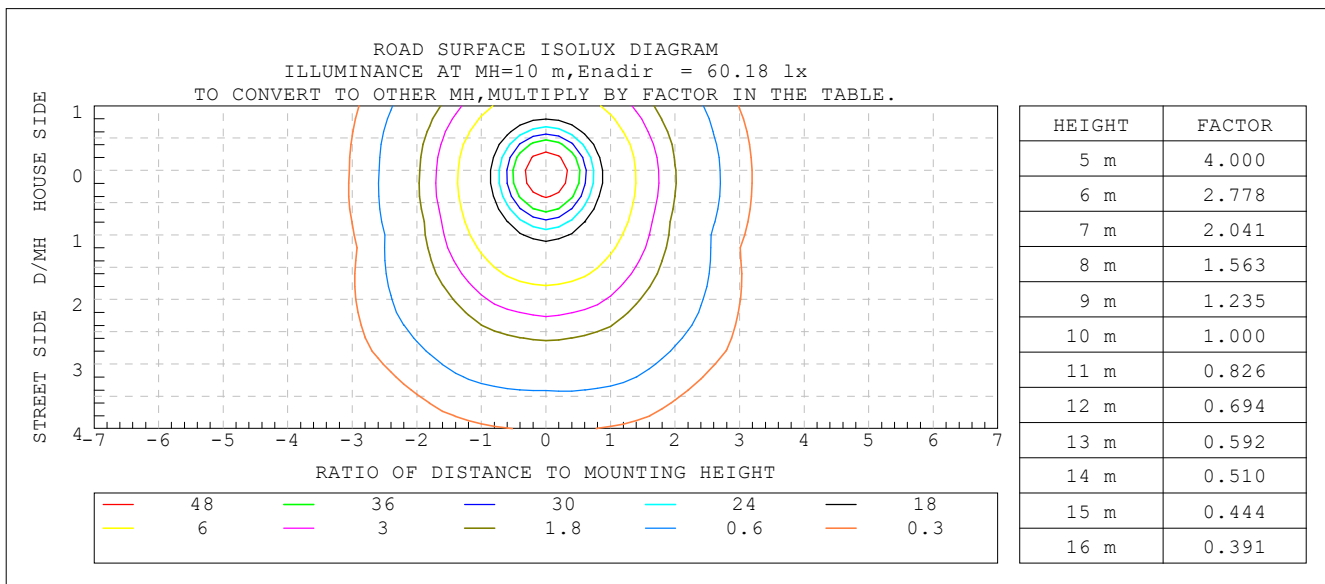
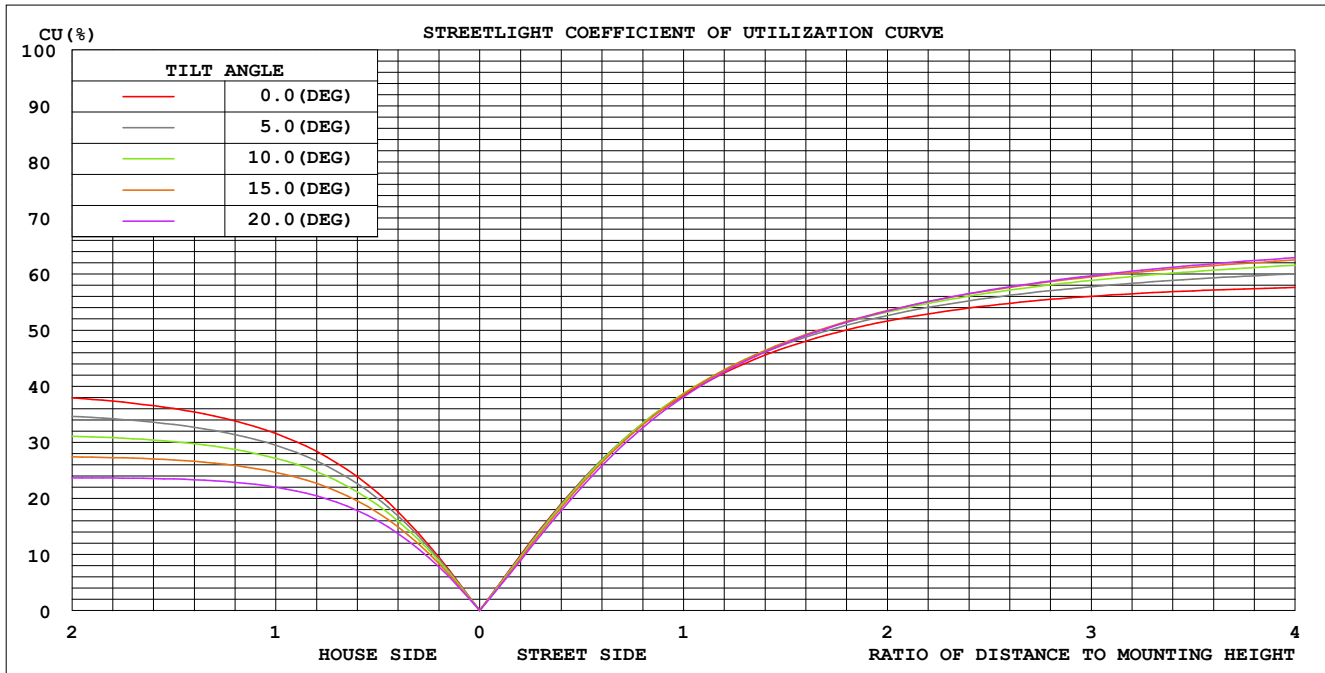
IES:Type IV - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:72.11cd/klm
Max.At90:0.9061cd/klm
Max.80-90:72.11cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	6176
90%	5558
80%	4941
70%	4323
60%	3706
50%	3088
40%	2470
30%	1853
20%	1235
10%	618
5%	309

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:275.34V I:0.4259A P:116.65W PF:0.9948 Freq:60.00Hz Lamp Flux:17862.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

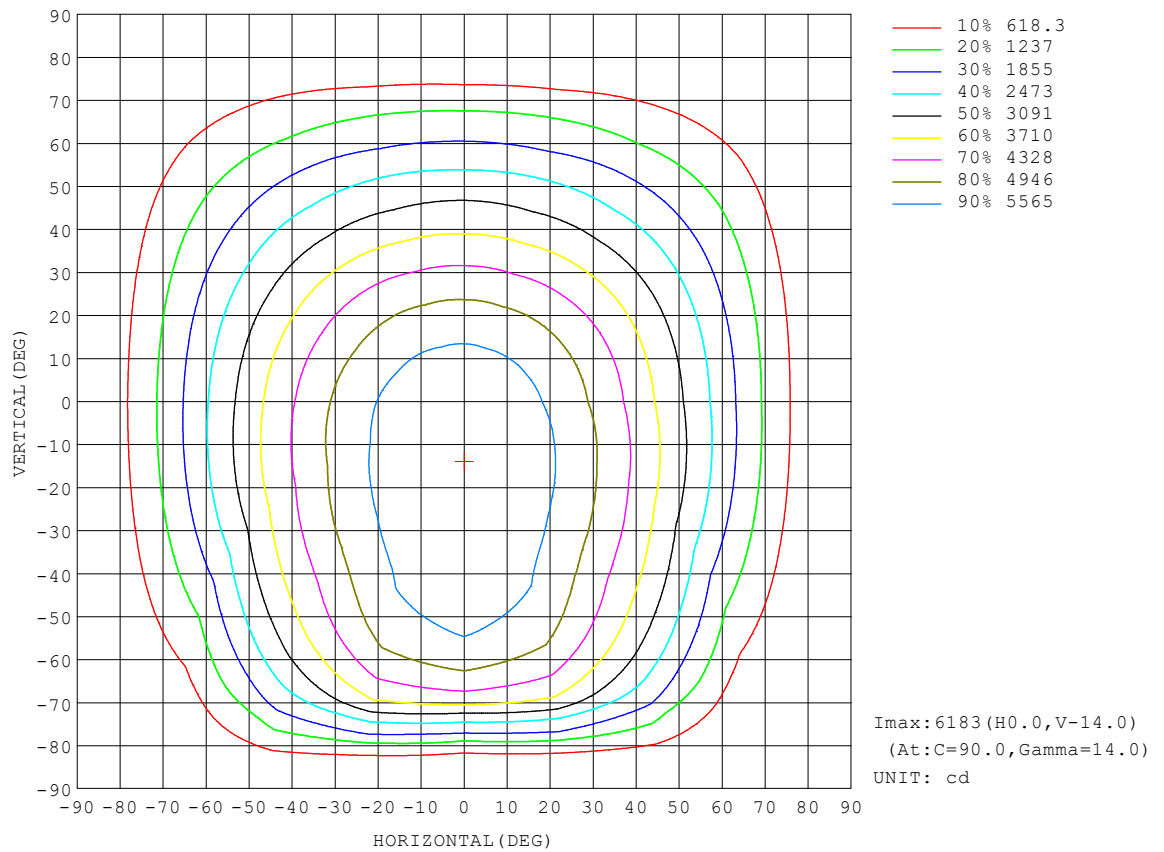
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5863	6052	6162	6076	5917	5768	5710	5749	0- 10	569.3	569.3	3.19,3.19
20	5468	5894	6152	5933	5578	5311	5190	5273	10- 20	1632	2201	12.3,12.3
30	4861	5545	6068	5599	5016	4639	4450	4582	20- 30	2474	4674	26.2,26.2
40	4085	5055	5950	5122	4274	3812	3618	3741	30- 40	2999	7673	43,43
50	3187	4400	5767	4469	3404	2918	2829	2846	40- 50	3171	10844	60.7,60.7
60	2179	3674	5199	3761	2424	2042	1890	1960	50- 60	2975	13819	77.4,77.4
70	1150	2644	3870	2774	1382	1123	946.0	1038	60- 70	2366	16185	90.6,90.6
80	299.5	1123	1000	1268	478.4	313.1	180.3	242.8	70- 80	1285	17469	97.8,97.8
90	7.844	6.564	6.907	7.598	8.341	11.89	16.18	12.57	80- 90	197.0	17666	98.9,98.9
100	13.74	11.33	10.06	10.68	12.01	19.64	25.84	20.12	90-100	13.37	17680	99,99
110	21.07	17.50	15.93	16.72	18.91	27.94	34.62	28.16	100-110	20.07	17700	99.1,99.1
120	29.20	24.67	22.75	23.73	26.90	37.07	43.39	36.89	110-120	26.33	17726	99.2,99.2
130	37.08	32.18	30.18	31.09	34.88	45.42	50.45	44.07	120-130	30.88	17757	99.4,99.4
140	43.49	38.96	36.84	37.59	41.73	51.30	54.42	48.89	130-140	31.88	17789	99.6,99.6
150	49.03	45.19	43.08	43.62	47.43	54.63	57.00	52.37	140-150	29.25	17818	99.7,99.7
160	54.05	51.01	49.06	49.16	52.52	56.77	57.96	54.81	150-160	23.59	17842	99.9,99.9
170	58.58	56.30	54.64	54.85	57.55	59.12	58.78	57.15	160-170	15.55	17857	100,100
180	60.70	59.84	58.91	58.35	60.56	59.98	59.14	58.14	170-180	5.541	17863	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

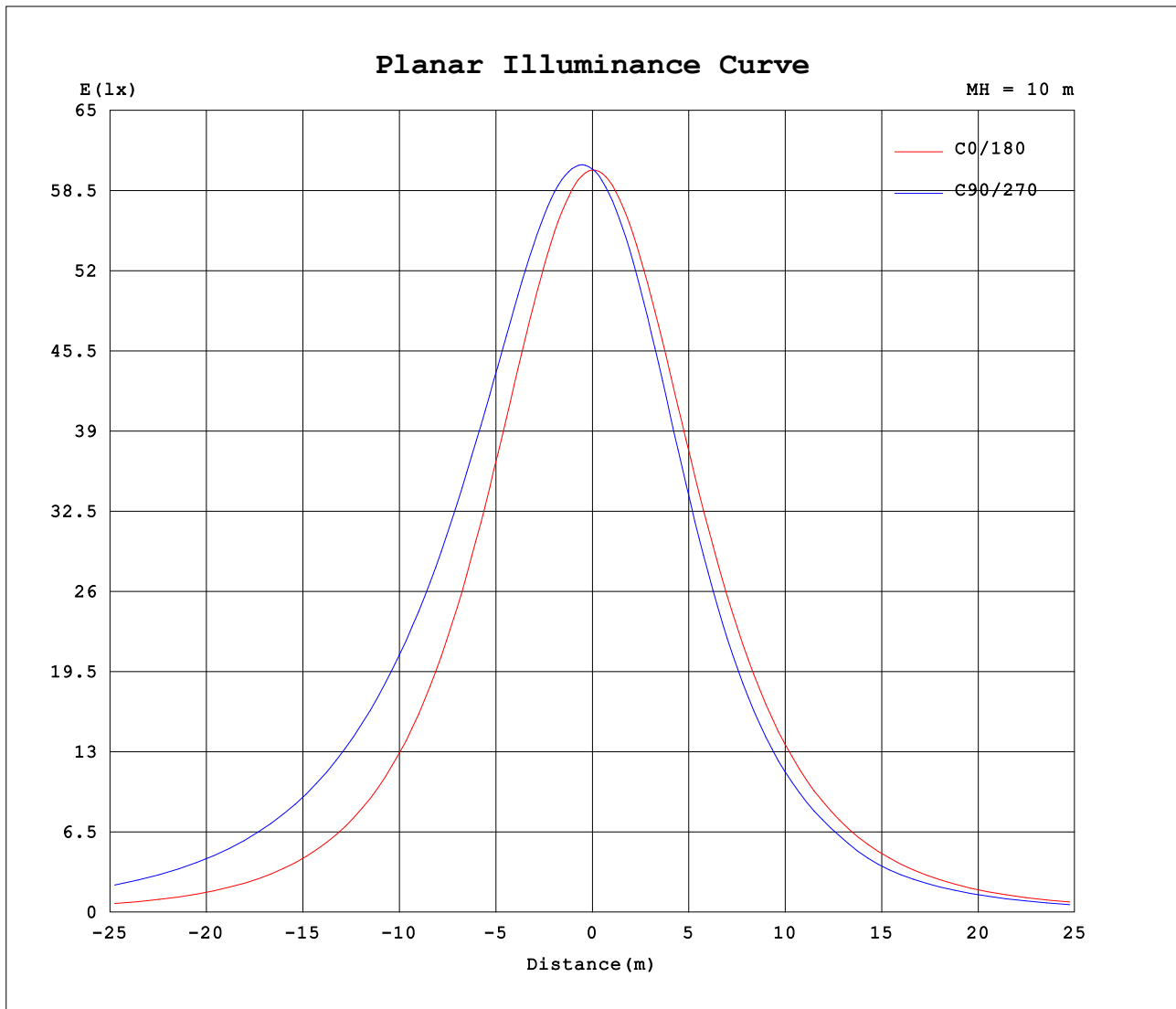
Test:U:275.34V I:0.4259A P:116.65W PF:0.9948 Freq:60.00Hz Lamp Flux:17862.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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



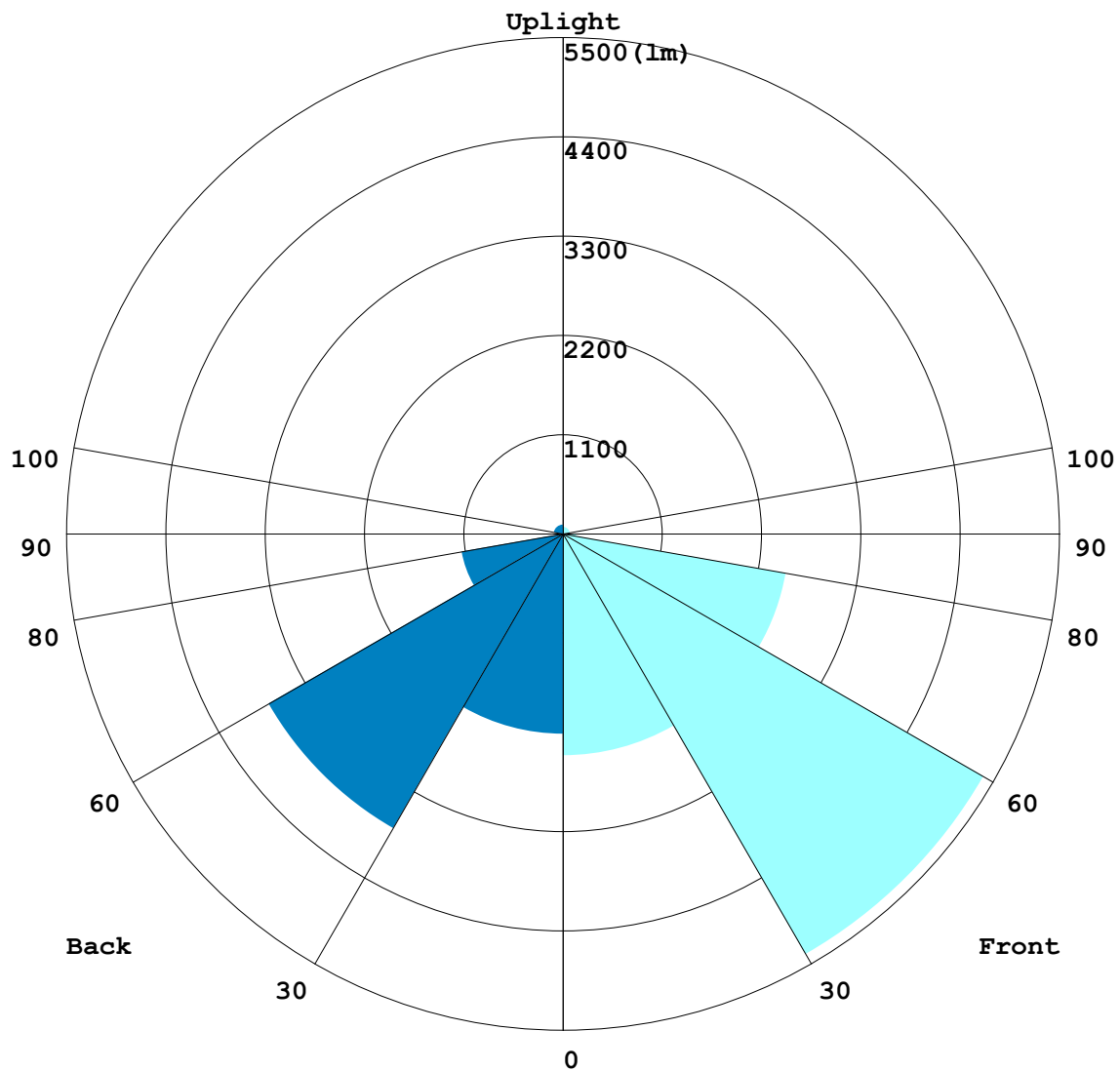
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.34V I:0.4259A P:116.65W PF:0.9948 Freq:60.00Hz Lamp Flux:17862.8x1 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:2025-07-18

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:275.34V I:0.4259A P:116.65W PF:0.9948 Freq:60.00Hz Lamp Flux:17862.8x1 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)	2457.6	13.8
FM - Front-Medium(30-60)	5378.8	30.1
FH - Front-High(60-80)	2508.2	14.0
FVH - Front-Very High(80-90)	148.56	0.8
Total Forward Light	10577	59.2

BL - Back-Low(0-30)	2216.9	12.4
BM - Back-Medium(30-60)	3765.7	21.1
BH - Back-High(60-80)	1142.2	6.4
BVH - Back-Very High(80-90)	48.447	0.3
Total Back Light	7286	40.8

UL - Uplight-Low(90-100)	13.368	0.1
UH - Uplight-High(100-180)	183.09	1.0
Total Up Light	196.46	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7173.2	112.77	7286
Street Side	10493	83.691	10577

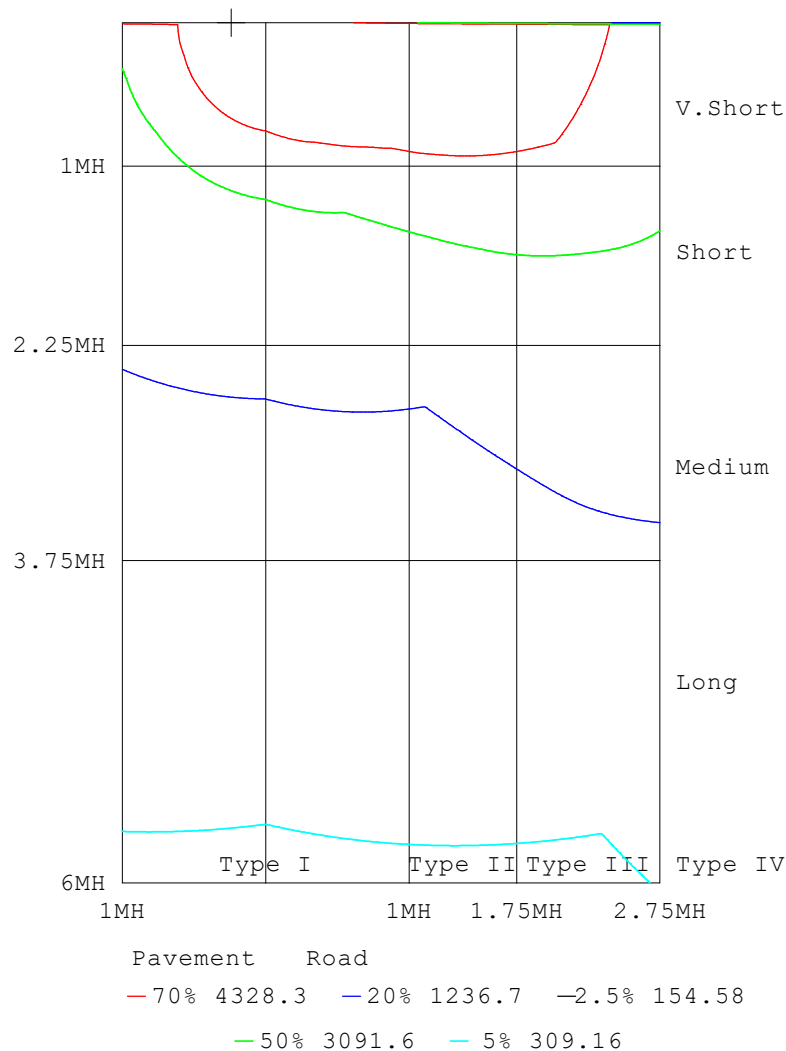
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.34V I:0.4259A P:116.65W PF:0.9948 Freq:60.00Hz Lamp Flux:17862.8x1 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:2025-07-18

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:275.34V I:0.4259A P:116.65W PF:0.9948 Freq:60.00Hz Lamp Flux:17862.8x1 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	6017	6017	6017	6017	6017	6017	6017	6017	6017	6017	6017	6017	6017	6017	6017	6017			
5	5970	6021	6063	6095	6107	6098	6071	6033	6001	5951	5918	5890	5886	5886	5910	5939			
10	5863	5964	6052	6133	6162	6143	6076	5990	5917	5831	5768	5722	5710	5709	5749	5803			
15	5695	5851	6003	6127	6174	6144	6030	5889	5776	5648	5566	5493	5478	5483	5537	5613			
20	5468	5680	5894	6083	6152	6101	5933	5731	5578	5419	5311	5215	5190	5189	5273	5362			
25	5186	5458	5739	6004	6109	6026	5788	5519	5323	5129	5000	4876	4843	4850	4952	5071			
30	4861	5182	5545	5914	6068	5936	5599	5254	5016	4799	4639	4488	4450	4454	4582	4724			
35	4492	4860	5316	5818	6021	5842	5377	4939	4667	4433	4241	4081	4037	4047	4173	4349			
40	4085	4490	5055	5681	5950	5708	5122	4584	4274	4023	3812	3653	3618	3612	3741	3930			
45	3649	4077	4735	5560	5890	5583	4809	4185	3852	3588	3369	3236	3220	3198	3295	3486			
50	3187	3621	4400	5407	5767	5437	4469	3748	3404	3134	2918	2834	2829	2794	2846	3030			
55	2697	3102	4061	5178	5542	5216	4139	3246	2927	2672	2485	2417	2332	2358	2410	2562			
60	2179	2541	3674	4838	5199	4889	3761	2688	2424	2202	2042	1909	1890	1866	1960	2091			
65	1656	1933	3208	4373	4664	4442	3313	2079	1887	1726	1551	1493	1465	1445	1456	1613			
70	1150	1348	2644	3736	3870	3826	2774	1501	1382	1267	1123	1062	946	995	1038	1158			
75	683	800	1993	2445	2372	2618	2139	943	901	828	722	562	499	512	612	708			
80	300	360	1123	1093	1000	1288	1268	475	478	425	313	210	180	173	243	336			
85	42.2	71.3	166	183	126	261	345	135	144	112	41.2	16.6	15.2	14.8	16.2	61.4			
90	7.84	7.01	6.56	6.81	6.91	7.43	7.60	7.97	8.34	9.10	11.9	15.0	16.2	15.5	12.6	9.63			
95	10.6	9.43	8.67	7.93	7.58	7.58	8.11	8.92	9.11	11.8	15.6	19.5	21.0	19.8	16.3	12.8			
100	13.7	12.2	11.3	10.4	10.1	10.0	10.7	11.6	12.0	15.3	19.6	24.1	25.8	24.2	20.1	16.3			
105	17.3	15.3	14.3	13.3	12.9	12.8	13.6	14.7	15.3	19.2	23.7	28.3	30.4	28.4	24.0	20.1			
110	21.1	18.7	17.5	16.4	15.9	15.8	16.7	18.0	18.9	23.3	27.9	32.5	34.6	32.4	28.2	24.2			
115	25.1	22.4	21.0	19.7	19.2	19.1	20.1	21.6	22.8	27.6	32.5	36.9	39.0	36.7	32.5	28.4			
120	29.2	26.2	24.7	23.3	22.7	22.7	23.7	25.4	26.9	32.1	37.1	41.5	43.4	41.2	36.9	32.7			
125	33.3	30.1	28.5	27.0	26.5	26.3	27.4	29.3	30.9	36.4	41.5	45.5	47.4	45.2	40.8	36.6			
130	37.1	33.9	32.2	30.7	30.2	29.9	31.1	33.1	34.9	40.3	45.4	48.8	50.4	48.3	44.1	40.1			
135	40.5	37.4	35.6	34.2	33.6	33.4	34.4	36.5	38.4	43.6	48.7	51.6	52.6	50.6	46.7	43.1			
140	43.5	40.6	39.0	37.5	36.8	36.6	37.6	39.7	41.7	46.5	51.3	53.9	54.4	52.4	48.9	45.7			
145	46.4	43.7	42.1	40.7	40.0	39.7	40.6	42.6	44.7	49.0	53.2	55.7	56.1	54.1	50.8	48.1			
150	49.0	46.8	45.2	43.8	43.1	42.8	43.6	45.5	47.4	51.1	54.6	56.7	57.0	55.1	52.4	50.1			
155	51.5	49.6	48.2	46.8	46.2	45.7	46.4	48.1	50.0	53.0	55.7	57.3	57.6	55.9	53.7	51.9			
160	54.1	52.4	51.0	49.7	49.1	48.5	49.2	50.7	52.5	54.8	56.8	57.8	58.0	56.6	54.8	53.7			
165	56.4	55.1	53.8	52.6	51.9	51.4	52.0	53.3	55.1	56.6	57.9	58.3	58.3	57.2	56.0	55.4			
170	58.6	57.6	56.3	55.3	54.6	54.4	54.8	55.8	57.6	58.4	59.1	59.0	58.8	57.8	57.1	57.1			
175	60.1	59.4	58.3	57.7	56.9	56.8	56.9	57.3	59.7	60.0	60.2	59.7	59.2	58.5	58.1	58.5			
180	60.7	60.1	59.8	59.8	58.9	58.6	58.4	58.3	60.6	60.2	60.0	59.5	59.1	58.5	58.1	58.7			

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: