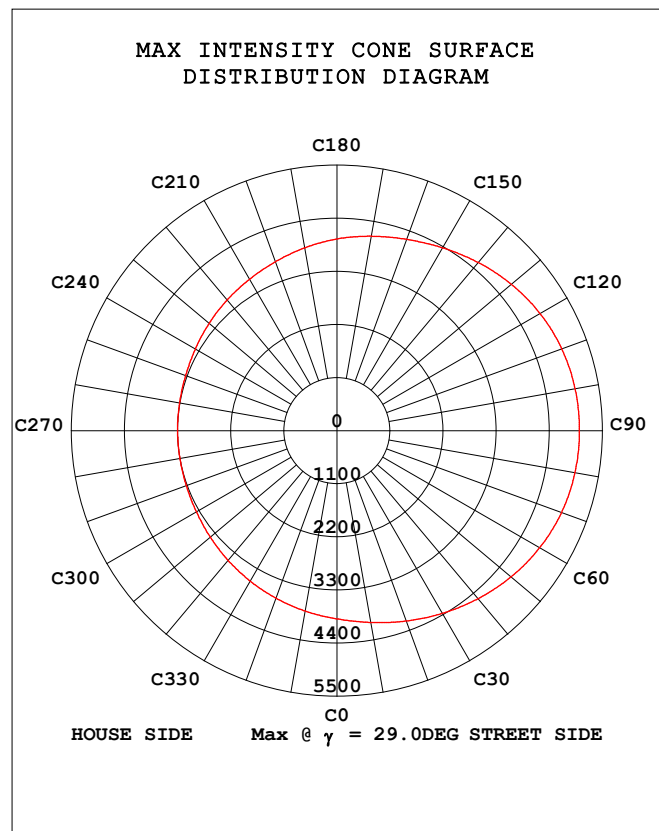
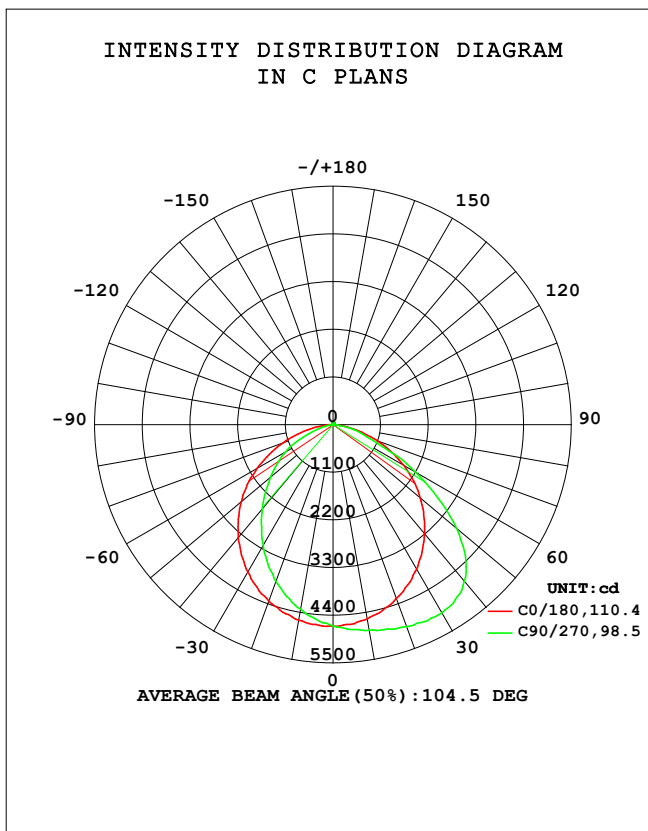


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.35V I:0.3061A P:83.356W PF:0.9890 Freq:60.00Hz Lamp Flux:13189.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.23 lm/W			
MODEL		I _{max} (cd)	5022	η street_up (%)	0.5
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	58.5
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	13190	η house_up (%)	0.6
NOMINAL FLUX (lm)	13189.6	MAXIMUM @ (C, γ)	90,29.0	η house_down (%)	40.4
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

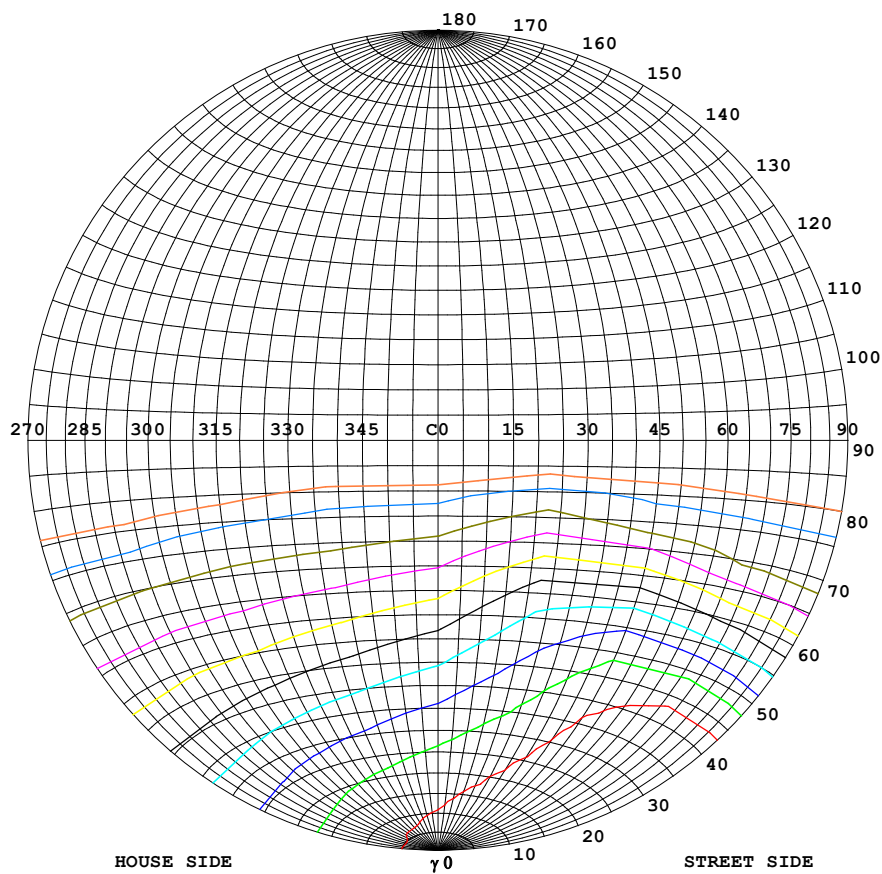


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.35V I:0.3061A P:83.356W PF:0.9890 Freq:60.00Hz Lamp Flux:13189.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

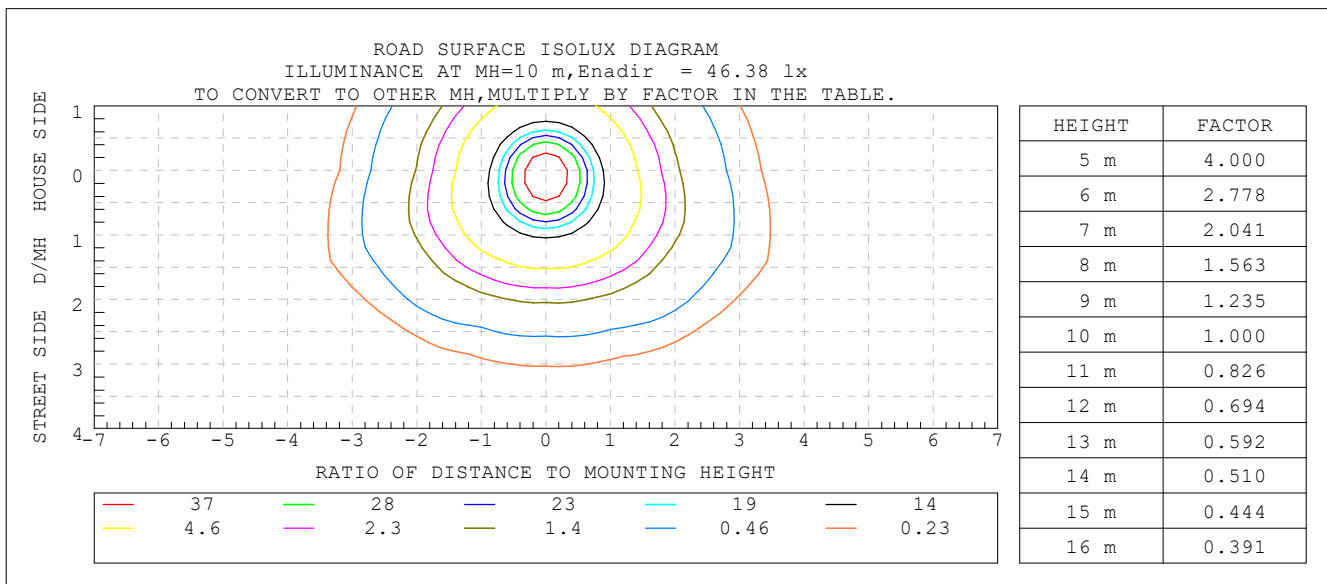
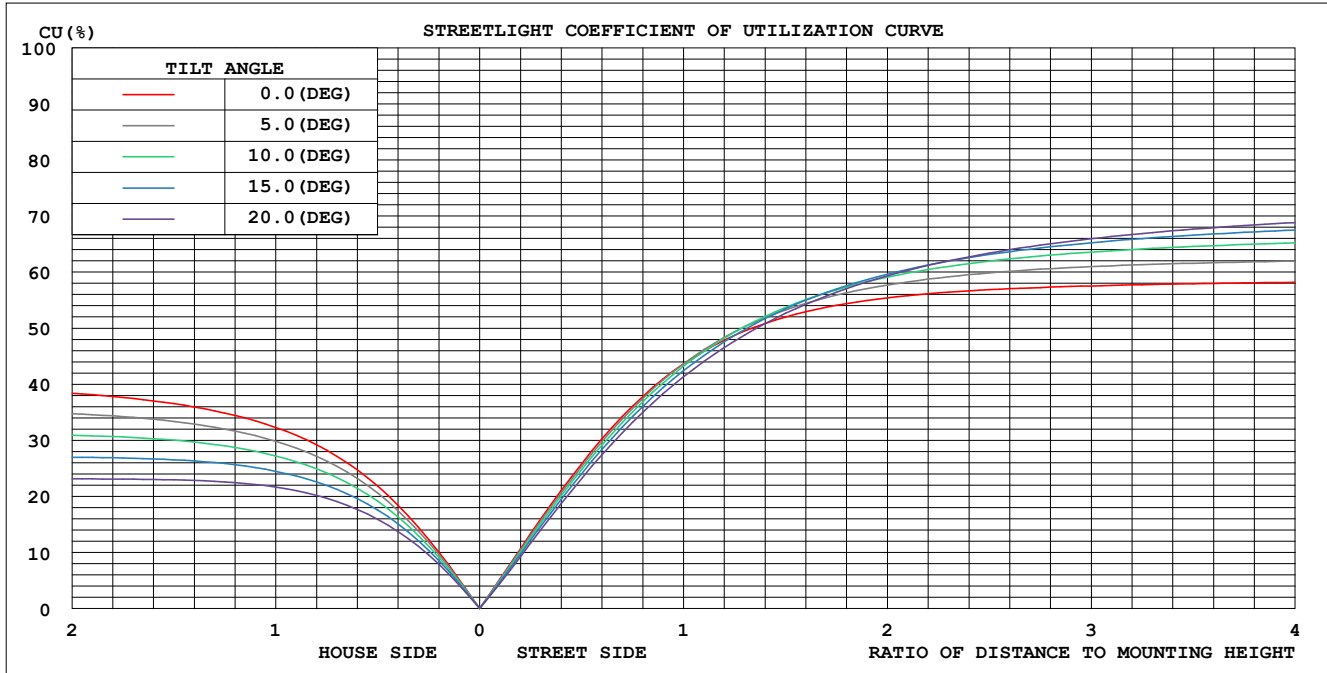
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:57.46cd/klm
Max.At90:0.6091cd/klm
Max.80-90:57.46cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5022
90%	4520
80%	4018
70%	3515
60%	3013
50%	2511
40%	2009
30%	1507
20%	1004
10%	502
5%	251

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:

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:275.35V I:0.3061A P:83.356W PF:0.9890 Freq:60.00Hz Lamp Flux:13189.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

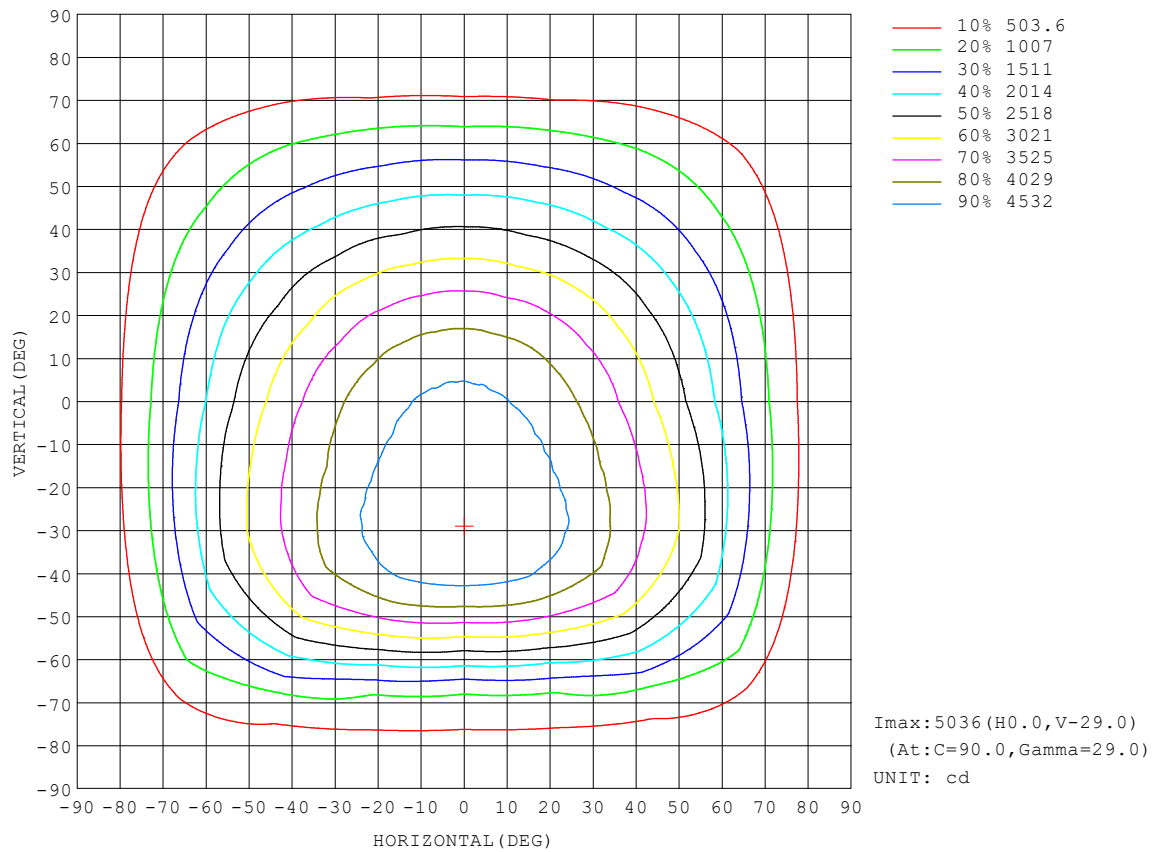
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4554	4720	4815	4749	4586	4409	4324	4412	0- 10	439.9	439.9	3.33,3.33
20	4269	4717	4963	4712	4338	3988	3857	3985	10- 20	1264	1704	12.9,12.9
30	3855	4607	5021	4633	3928	3438	3230	3406	20- 30	1936	3639	27.6,27.6
40	3285	4409	4714	4419	3403	2766	2546	2747	30- 40	2371	6011	45.6,45.6
50	2630	3890	3721	3952	2760	2072	1883	2032	40- 50	2487	8498	64.4,64.4
60	1887	2863	2199	2972	2021	1443	1276	1405	50- 60	2199	10697	81.1,81.1
70	1076	1524	844.6	1633	1231	862.1	552.4	815.7	60- 70	1527	12224	92.7,92.7
80	330.8	401.6	245.8	457.5	480.8	202.0	106.6	155.0	70- 80	709.2	12933	98.1,98.1
90	6.929	4.548	3.975	4.860	7.345	7.543	5.939	8.034	80- 90	110.2	13043	98.9,98.9
100	11.83	7.974	6.635	7.735	10.71	13.45	11.98	13.95	90-100	8.814	13052	99,99
110	17.69	12.46	10.69	12.11	16.39	20.08	19.73	20.61	100-110	14.04	13066	99.1,99.1
120	24.15	17.81	15.70	17.31	22.67	27.13	27.80	27.34	110-120	19.13	13085	99.2,99.2
130	30.22	23.55	21.21	22.96	28.99	33.68	34.91	34.12	120-130	22.93	13108	99.4,99.4
140	34.90	28.89	26.55	28.01	33.88	38.79	40.37	38.70	130-140	24.17	13133	99.6,99.6
150	38.84	34.01	31.72	32.85	37.90	42.56	43.55	41.48	140-150	22.45	13155	99.7,99.7
160	42.36	38.88	36.54	37.33	41.54	45.00	45.20	43.46	150-160	18.24	13173	99.9,99.9
170	45.73	43.34	41.63	42.24	44.93	46.91	46.48	44.84	160-170	12.09	13185	100,100
180	47.24	46.94	45.79	45.42	47.02	46.88	46.12	45.06	170-180	4.316	13190	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

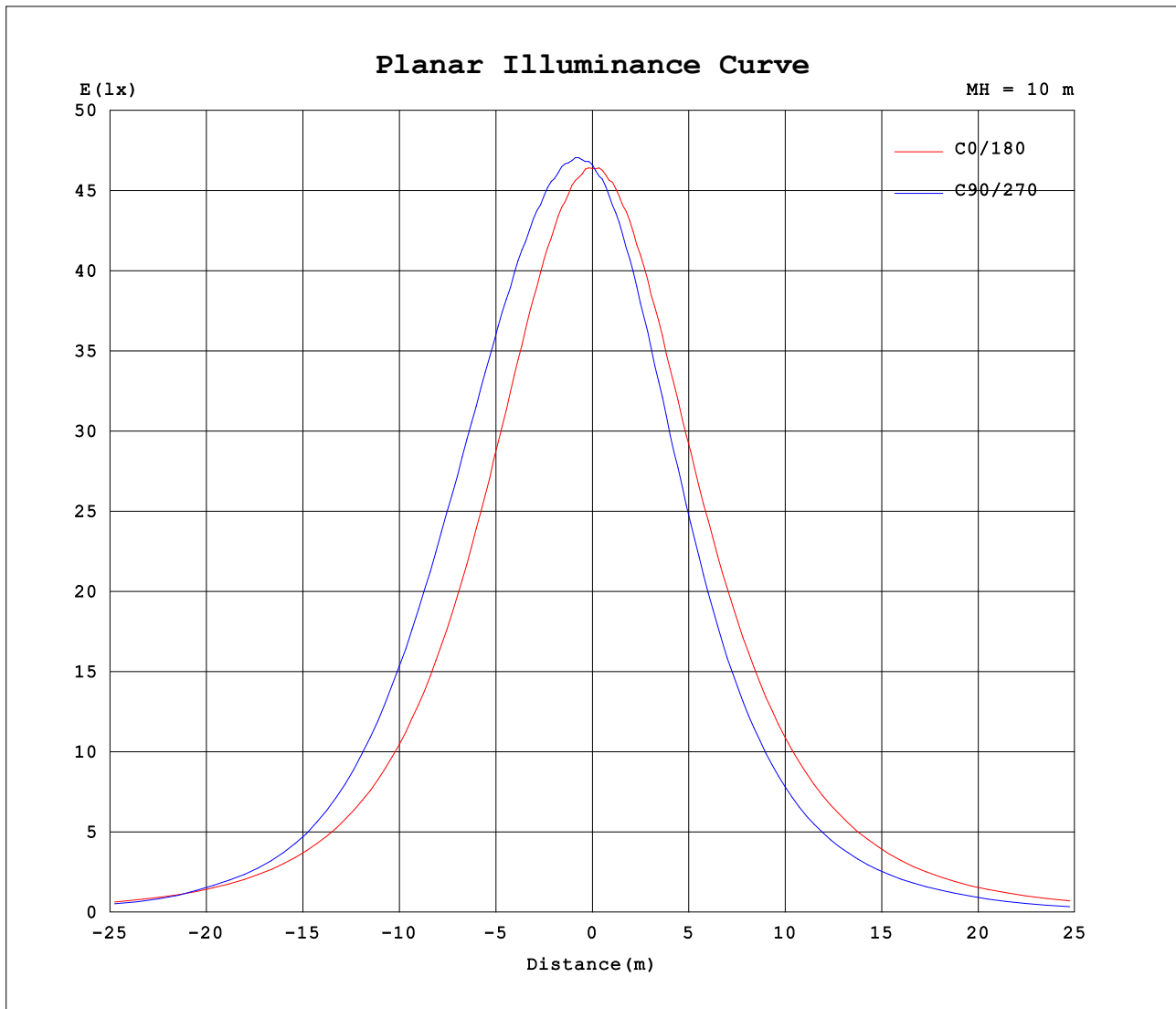
Test:U:275.35V I:0.3061A P:83.356W PF:0.9890 Freq:60.00Hz Lamp Flux:13189.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

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



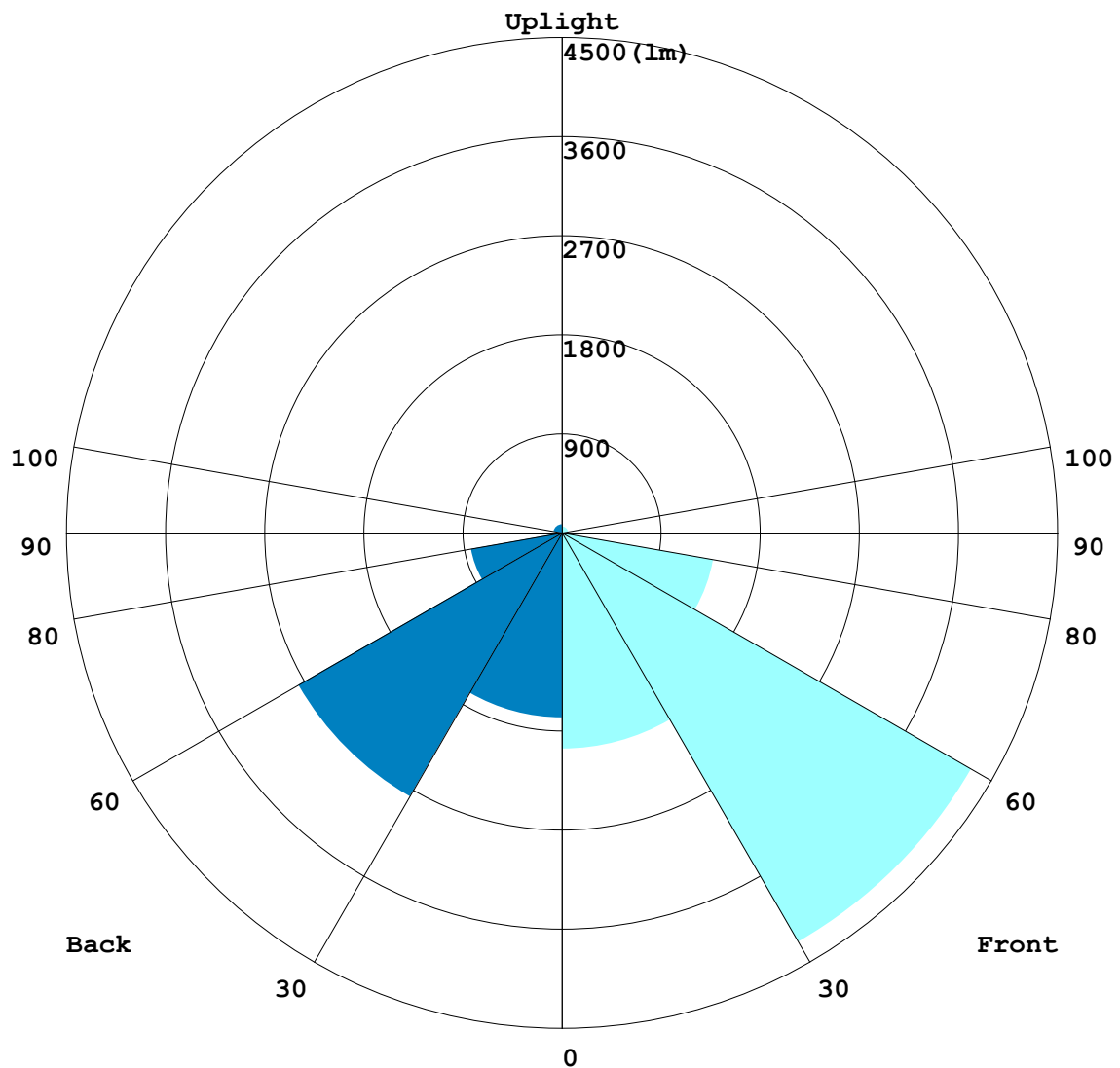
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-19

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:275.35V I:0.3061A P:83.356W PF:0.9890 Freq:60.00Hz Lamp Flux:13189.6x1 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:2025-07-19

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:275.35V I:0.3061A P:83.356W PF:0.9890 Freq:60.00Hz Lamp Flux:13189.6x1 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)	1960.9	14.9
FM - Front-Medium(30-60)	4290.8	32.5
FH - Front-High(60-80)	1395.8	10.6
FVH - Front-Very High(80-90)	70.156	0.5
Total Forward Light	7780.4	59.0

BL - Back-Low(0-30)	1678.6	12.7
BM - Back-Medium(30-60)	2766.4	21.0
BH - Back-High(60-80)	840.75	6.4
BVH - Back-Very High(80-90)	40.053	0.3
Total Back Light	5409.3	41.0

UL - Uplight-Low(90-100)	8.8142	0.1
UH - Uplight-High(100-180)	137.37	1.0
Total Up Light	146.18	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5325.8	83.48	5409.3
Street Side	7717.7	62.701	7780.4

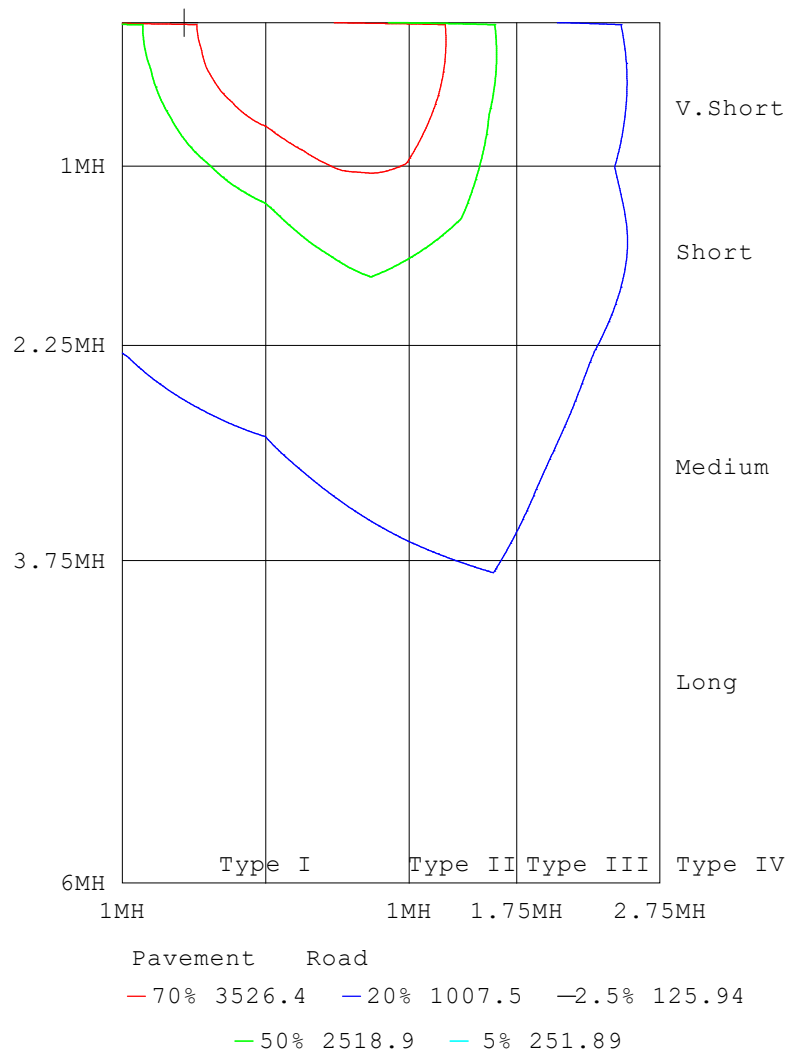
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-19

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:275.35V I:0.3061A P:83.356W PF:0.9890 Freq:60.00Hz Lamp Flux:13189.6x1 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:2025-07-19

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:275.35V I:0.3061A P:83.356W PF:0.9890 Freq:60.00Hz Lamp Flux:13189.6x1 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	4648	4648	4648	4648	4648	4648	4648	4648	4648	4648	4648	4648	4648	4648	4648	4648			
5	4626	4655	4693	4739	4747	4742	4720	4666	4627	4585	4552	4535	4509	4510	4544	4580			
10	4554	4627	4720	4821	4815	4804	4749	4635	4586	4472	4409	4372	4324	4343	4412	4457			
15	4437	4583	4732	4872	4882	4842	4742	4585	4483	4320	4211	4153	4111	4135	4223	4306			
20	4269	4490	4717	4913	4963	4891	4712	4502	4338	4136	3988	3884	3857	3876	3985	4118			
25	4081	4360	4672	4930	5015	4935	4682	4376	4144	3914	3735	3602	3562	3583	3704	3886			
30	3855	4195	4607	4934	5021	4932	4633	4219	3928	3645	3438	3288	3230	3254	3406	3605			
35	3591	4009	4530	4882	4927	4866	4551	4028	3686	3345	3113	2947	2879	2915	3095	3298			
40	3285	3823	4409	4710	4714	4693	4419	3838	3403	3014	2766	2597	2546	2575	2747	2979			
45	2965	3598	4212	4378	4328	4393	4228	3628	3095	2696	2424	2260	2209	2243	2394	2643			
50	2630	3359	3890	3854	3721	3906	3952	3390	2760	2354	2072	1942	1883	1915	2032	2300			
55	2274	3080	3437	3180	2962	3243	3535	3119	2416	2009	1753	1634	1571	1601	1714	1941			
60	1887	2733	2863	2424	2199	2478	2972	2783	2021	1645	1443	1334	1276	1304	1405	1583			
65	1477	2262	2192	1706	1417	1758	2304	2358	1627	1295	1146	1026	907	983	1108	1235			
70	1076	1729	1524	923	845	971	1633	1841	1231	963	862	628	552	601	816	903			
75	681	1168	726	608	570	635	858	1291	839	653	499	333	283	299	437	596			
80	331	602	402	323	246	357	458	758	481	381	202	130	107	109	155	313			
85	57.0	142	56.2	18.7	15.1	47.5	94.5	219	152	99.1	34.0	10.5	6.29	7.03	15.7	46.1			
90	6.93	5.30	4.55	4.18	3.98	4.33	4.86	5.72	7.34	7.68	7.54	6.52	5.94	6.79	8.03	8.01			
95	9.21	7.16	6.09	5.27	4.93	5.13	5.87	6.86	8.26	9.97	10.3	9.37	8.66	9.67	10.8	10.6			
100	11.8	9.34	7.97	7.03	6.63	6.84	7.74	8.97	10.7	12.8	13.5	12.7	12.0	13.0	13.9	13.4			
105	14.7	11.7	10.1	9.10	8.57	8.81	9.81	11.3	13.4	15.7	16.8	16.4	15.7	16.6	17.2	16.3			
110	17.7	14.4	12.5	11.3	10.7	11.0	12.1	13.8	16.4	18.8	20.1	20.3	19.7	20.5	20.6	19.5			
115	20.8	17.2	15.0	13.7	13.1	13.4	14.6	16.6	19.5	22.2	23.5	24.1	23.8	24.3	24.0	22.9			
120	24.2	20.2	17.8	16.3	15.7	16.0	17.3	19.5	22.7	25.8	27.1	27.9	27.8	28.0	27.3	26.3			
125	27.3	23.1	20.6	19.1	18.4	18.7	20.2	22.4	25.9	29.1	30.6	31.6	31.5	31.5	30.8	29.4			
130	30.2	25.9	23.6	22.1	21.2	21.5	23.0	25.2	29.0	32.1	33.7	34.9	34.9	34.9	34.1	32.2			
135	32.7	28.7	26.3	24.8	23.9	24.1	25.5	27.8	31.6	34.8	36.3	37.6	38.1	37.8	36.8	34.6			
140	34.9	31.2	28.9	27.4	26.6	26.7	28.0	30.2	33.9	37.2	38.8	39.9	40.4	40.0	38.7	36.6			
145	37.0	33.6	31.5	30.1	29.0	29.1	30.5	32.3	36.1	39.2	40.7	42.0	42.2	41.9	40.5	38.1			
150	38.8	35.9	34.0	32.6	31.7	31.8	32.9	34.5	37.9	41.0	42.6	43.4	43.5	42.8	41.5	39.7			
155	40.5	38.2	36.5	35.2	34.2	34.1	35.0	36.5	39.8	42.4	43.8	44.5	44.4	43.7	42.6	40.9			
160	42.4	40.3	38.9	37.7	36.5	36.5	37.3	38.5	41.5	43.6	45.0	45.6	45.2	44.4	43.5	42.0			
165	44.0	42.5	41.3	40.2	39.1	38.9	39.7	40.6	43.3	44.8	46.0	46.4	46.0	45.1	44.2	43.2			
170	45.7	44.4	43.3	42.6	41.6	41.7	42.2	42.7	44.9	46.1	46.9	47.1	46.5	45.5	44.8	44.3			
175	46.9	45.9	45.4	45.0	43.7	43.8	44.0	44.1	46.5	46.9	47.4	47.4	46.5	46.0	45.4	45.2			
180	47.2	46.8	46.9	46.9	45.8	45.7	45.4	45.1	47.0	46.9	46.9	46.6	46.1	45.5	45.1	45.4			

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