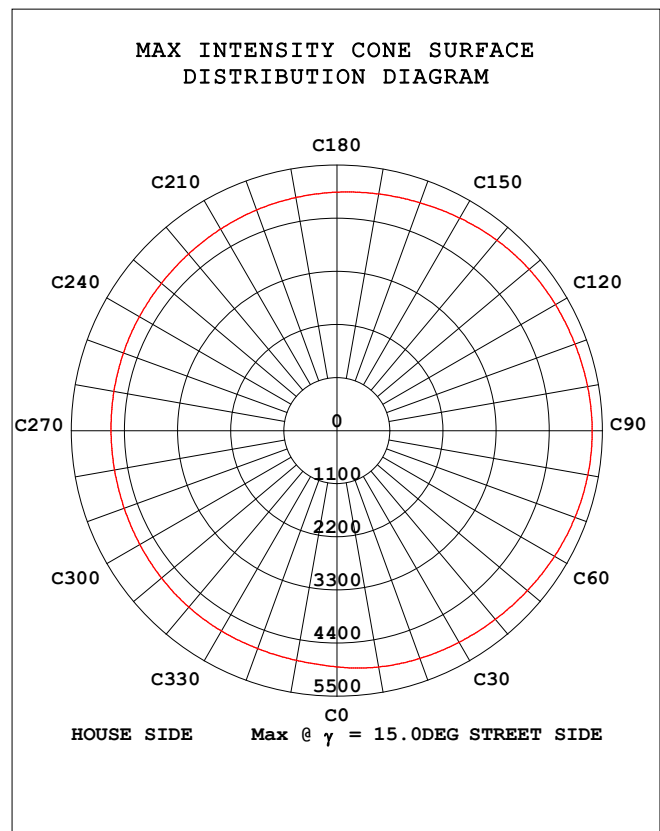
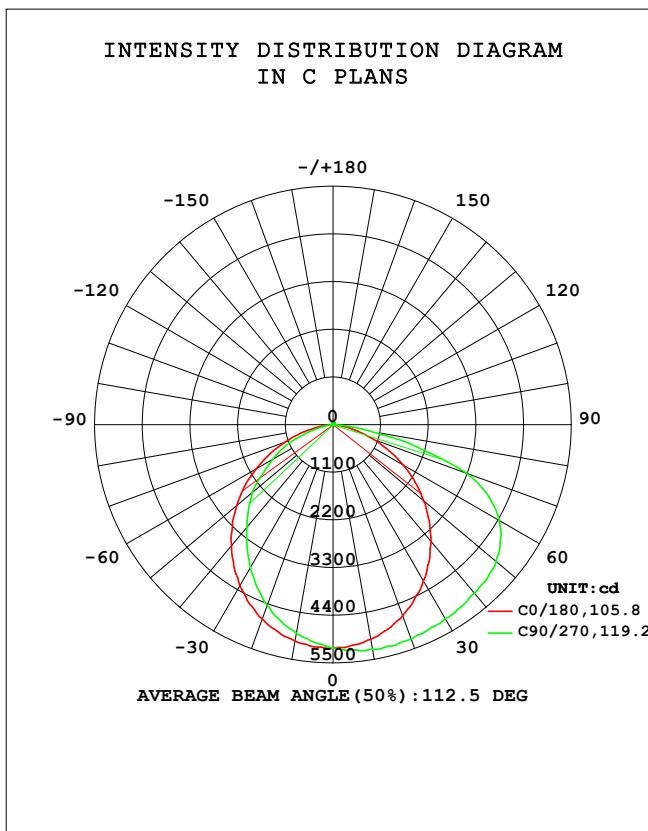


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.44V I:0.3586A P:98.005W PF:0.9923 Freq:60.00Hz Lamp Flux:15281.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.92 lm/W			
MODEL		Imax (cd)	5286	η street_up (%)	0.5
NOMINAL POWER(W)	100	LOR (%)	100.0	η street_down (%)	58.7
RATED VOLTAGE (V)	277	TOTAL FLUX(lm)	15281	η house_up (%)	0.6
NOMINAL FLUX(lm)	15281.1	MAXIMUM @ (C, γ)	90,15.0	η house_down (%)	40.2
LAMPS INSIDE	1	η up (%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE (V)	277	η down (%)	98.9	SLI	

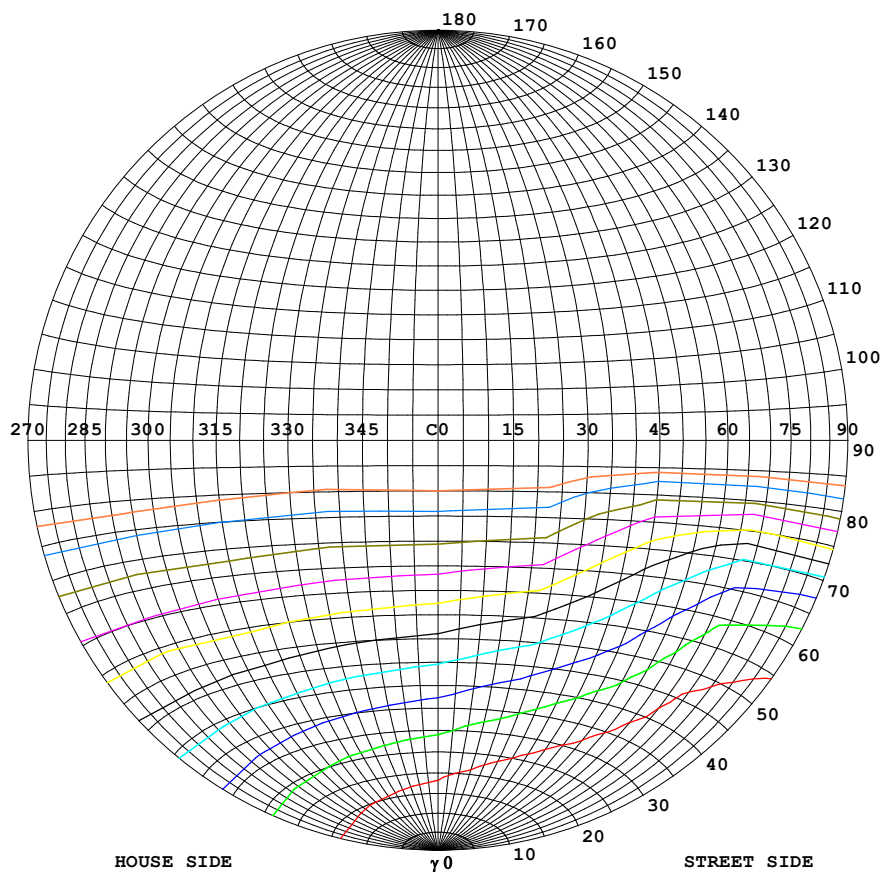


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.44V I:0.3586A P:98.005W PF:0.9923 Freq:60.00Hz Lamp Flux:15281.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

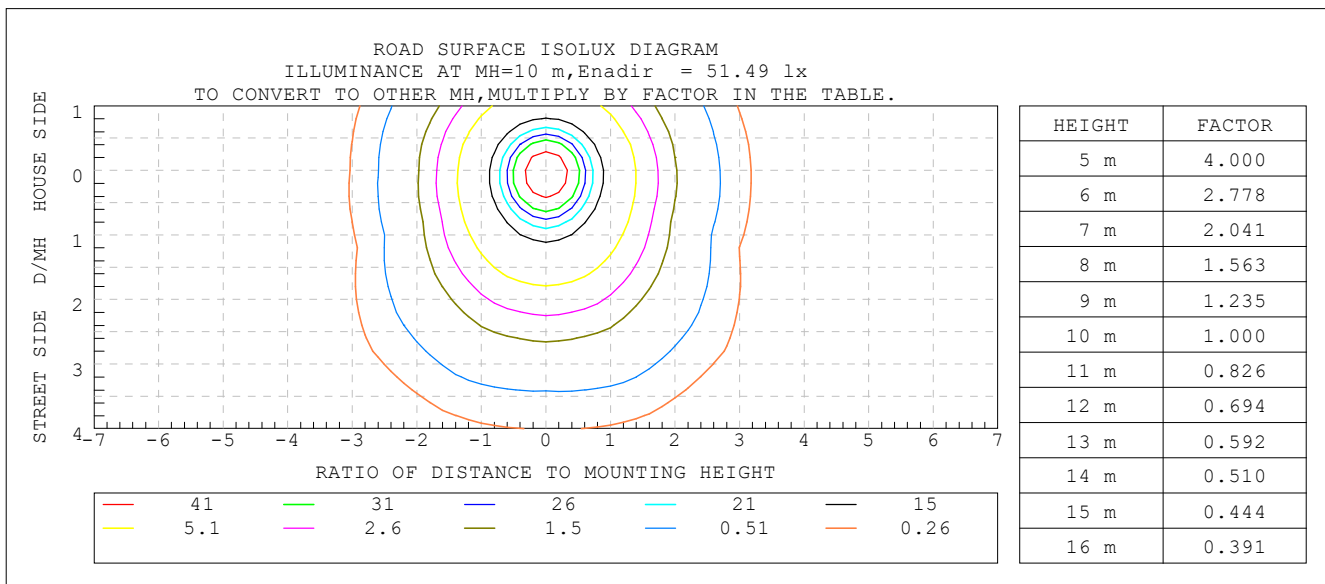
IES:Type IV - Very Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:70.87cd/klm
Max.At90:0.8977cd/klm
Max.80-90:70.87cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5286
90%	4758
80%	4229
70%	3700
60%	3172
50%	2643
40%	2115
30%	1586
20%	1057
10%	529
5%	264

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:275.44V I:0.3586A P:98.005W PF:0.9923 Freq:60.00Hz Lamp Flux:15281.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

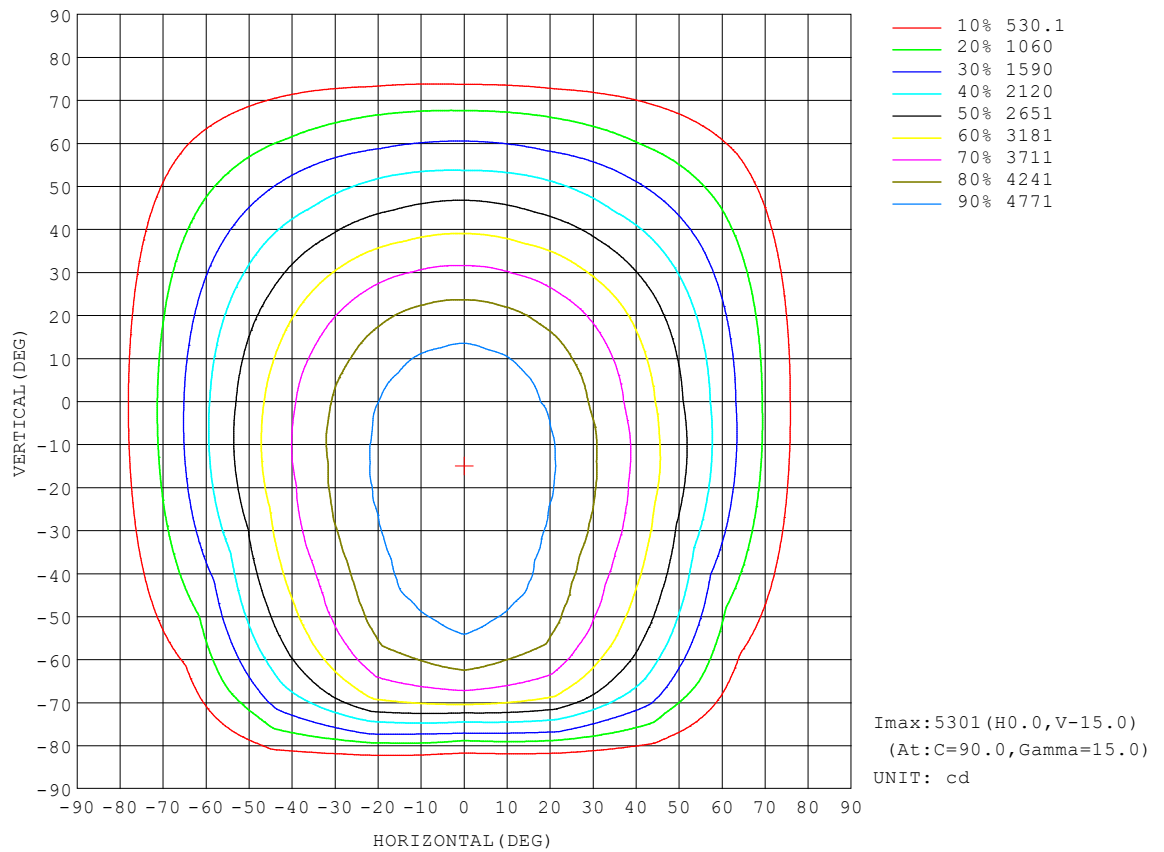
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5026	5178	5262	5218	5074	4927	4889	4946	0- 10	487.8	487.8	3.19,3.19
20	4699	5048	5267	5089	4771	4554	4441	4525	10- 20	1398	1886	12.3,12.3
30	4170	4753	5174	4805	4301	3970	3817	3941	20- 30	2120	4005	26.2,26.2
40	3518	4314	5078	4394	3646	3267	3094	3219	30- 40	2569	6574	43,43
50	2735	3768	4913	3816	2908	2504	2431	2440	40- 50	2715	9289	60.8,60.8
60	1878	3133	4427	3215	2050	1743	1619	1686	50- 60	2543	11832	77.4,77.4
70	1001	2261	3292	2357	1174	962.9	814.4	890.7	60- 70	2021	13853	90.7,90.7
80	262.3	902.3	860.8	1078	401.9	267.5	157.9	206.6	70- 80	1097	14950	97.8,97.8
90	6.471	5.462	5.870	6.514	6.909	9.934	13.72	10.86	80- 90	164.2	15114	98.9,98.9
100	11.38	9.444	8.665	9.282	10.19	16.36	22.02	17.41	90-100	11.33	15125	99,99
110	17.53	14.58	13.75	14.57	16.00	23.26	29.46	24.39	100-110	17.05	15142	99.1,99.1
120	24.38	20.68	19.67	20.60	22.74	30.95	37.04	31.95	110-120	22.38	15165	99.2,99.2
130	30.94	26.89	26.03	27.07	29.54	37.85	43.03	38.33	120-130	26.27	15191	99.4,99.4
140	36.35	32.67	31.82	32.63	35.30	42.82	46.59	42.45	130-140	27.13	15218	99.6,99.6
150	40.95	37.97	37.17	37.81	40.08	45.63	48.83	45.47	140-150	24.90	15243	99.8,99.8
160	45.31	42.73	42.35	42.72	44.31	47.30	49.53	47.79	150-160	20.08	15263	99.9,99.9
170	48.98	47.34	47.01	47.60	48.59	49.27	50.40	49.73	160-170	13.24	15276	100,100
180	50.95	50.36	50.87	50.47	51.10	49.97	50.71	50.65	170-180	4.718	15281	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

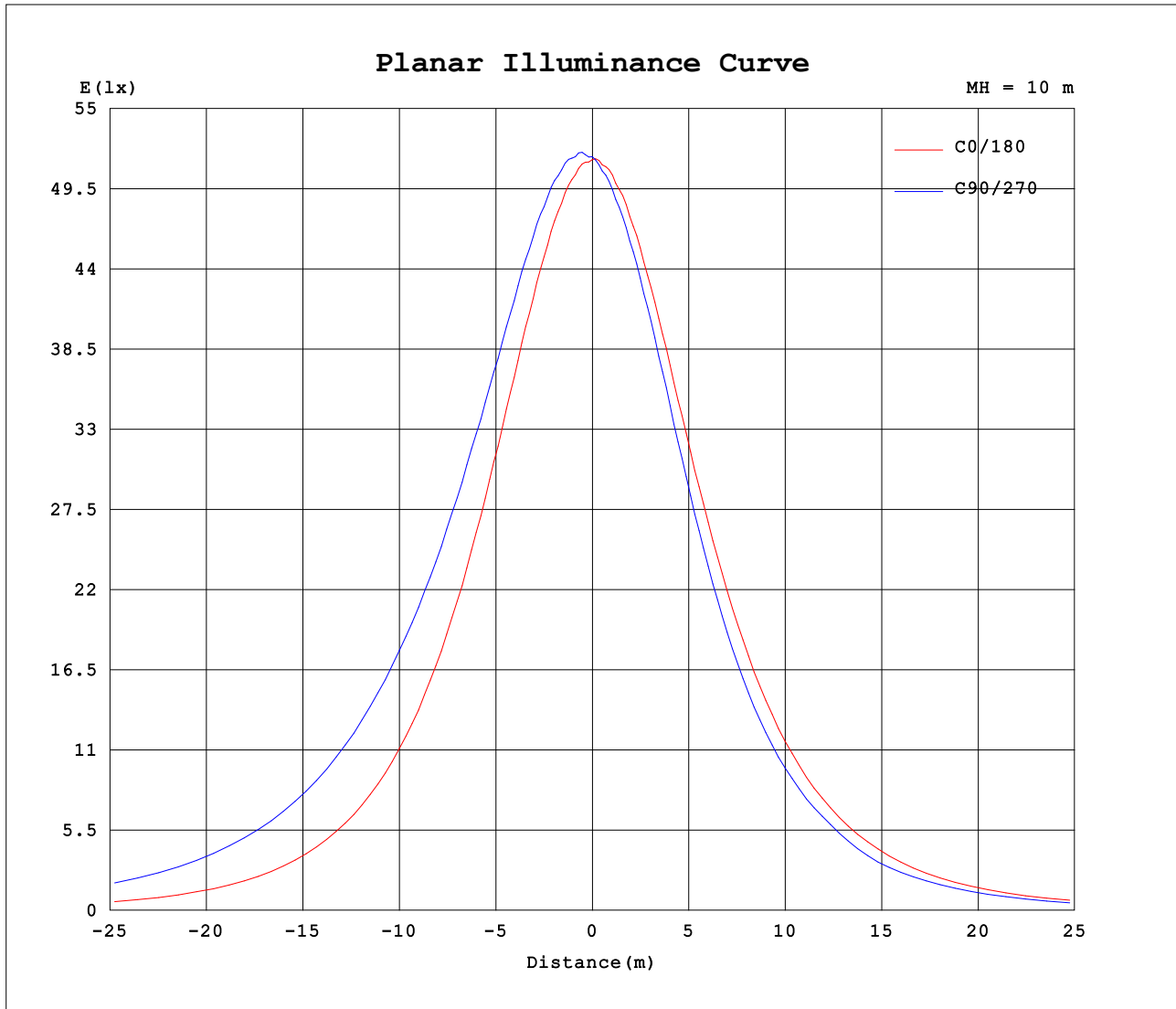
Test:U:275.44V I:0.3586A P:98.005W PF:0.9923 Freq:60.00Hz Lamp Flux:15281.1x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



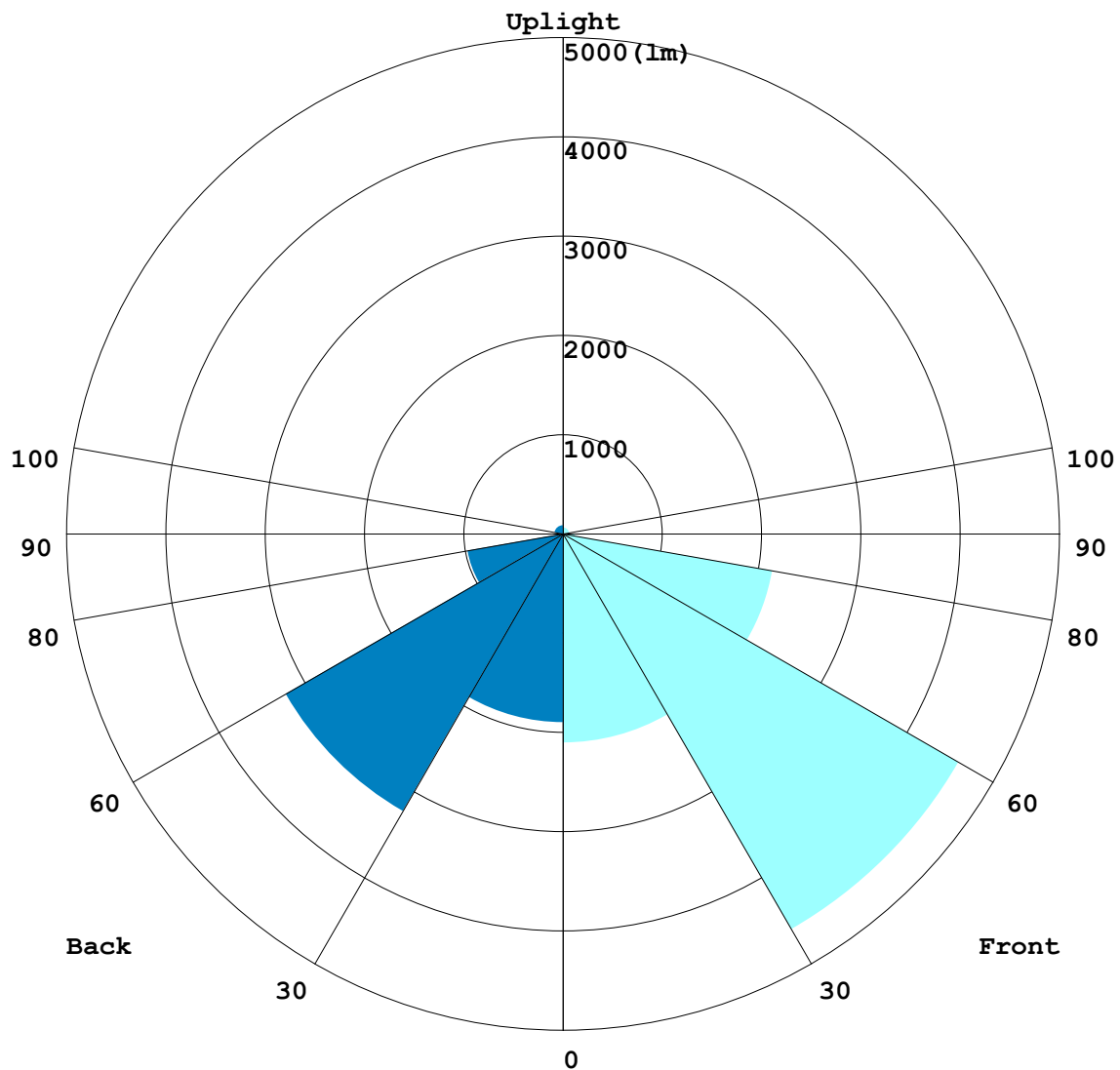
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.44V I:0.3586A P:98.005W PF:0.9923 Freq:60.00Hz Lamp Flux:15281.1x1 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:275.44V I:0.3586A P:98.005W PF:0.9923 Freq:60.00Hz Lamp Flux:15281.1x1 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)	2105.1	13.8
FM - Front-Medium(30-60)	4600.7	30.1
FH - Front-High(60-80)	2140.4	14.0
FVH - Front-Very High(80-90)	123.23	0.8
Total Forward Light	9040.6	59.2

BL - Back-Low(0-30)	1900	12.4
BM - Back-Medium(30-60)	3226	21.1
BH - Back-High(60-80)	977.58	6.4
BVH - Back-Very High(80-90)	40.98	0.3
Total Back Light	6240.4	40.8

UL - Uplight-Low(90-100)	11.335	0.1
UH - Uplight-High(100-180)	155.77	1.0
Total Up Light	167.1	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6144.5	95.917	6240.4
Street Side	8969.4	71.188	9040.6

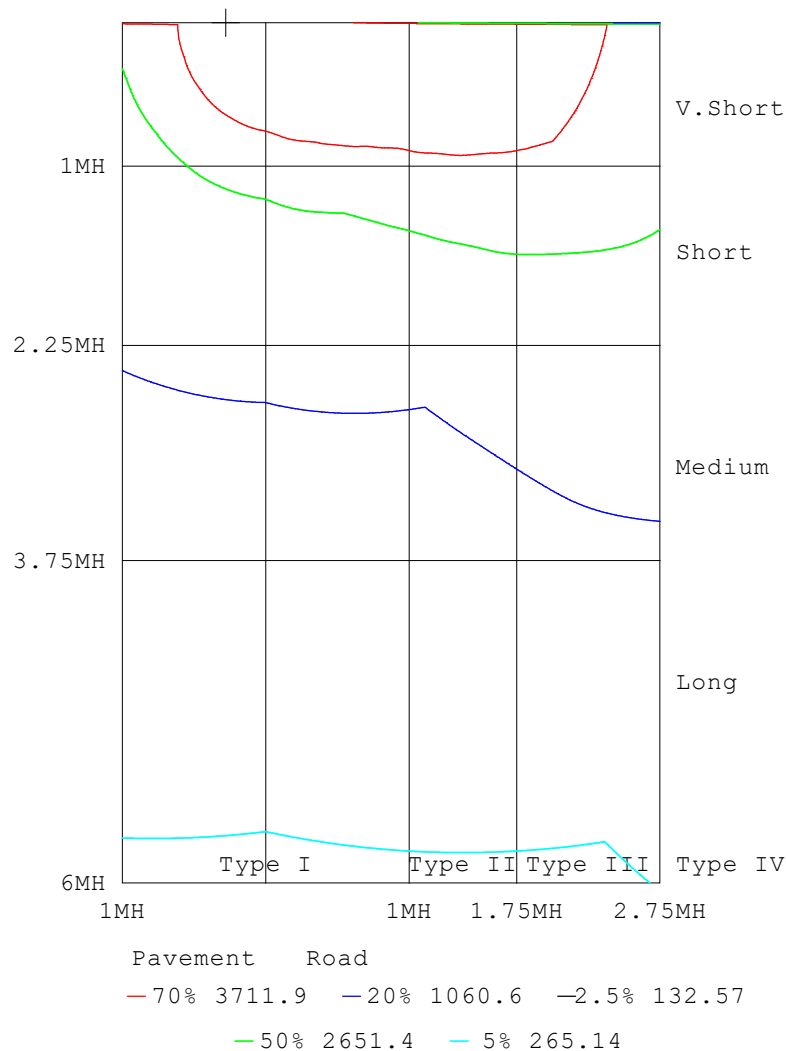
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.44V I:0.3586A P:98.005W PF:0.9923 Freq:60.00Hz Lamp Flux:15281.1x1 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:275.44V I:0.3586A P:98.005W PF:0.9923 Freq:60.00Hz Lamp Flux:15281.1x1 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	5156	5156	5156	5156	5156	5156	5156	5156	5156	5156	5156	5156	5156	5156	5156	5156			
5	5110	5167	5198	5225	5216	5225	5214	5160	5147	5113	5064	5037	5045	5032	5071	5093			
10	5026	5132	5178	5257	5262	5254	5218	5117	5074	5009	4927	4895	4889	4876	4946	4967			
15	4891	5031	5126	5238	5286	5241	5181	5040	4942	4857	4764	4713	4680	4696	4761	4798			
20	4699	4880	5048	5201	5267	5212	5089	4906	4771	4638	4554	4474	4441	4453	4525	4594			
25	4453	4681	4920	5149	5221	5156	4954	4724	4562	4397	4287	4177	4152	4160	4245	4350			
30	4170	4450	4753	5069	5174	5077	4805	4488	4301	4121	3970	3844	3817	3815	3941	4056			
35	3865	4182	4544	4978	5136	4986	4616	4216	3994	3803	3624	3496	3459	3460	3595	3722			
40	3518	3863	4314	4847	5078	4858	4394	3924	3646	3451	3267	3134	3094	3103	3219	3363			
45	3145	3505	4049	4747	5029	4757	4110	3579	3288	3067	2892	2780	2758	2749	2826	2990			
50	2735	3110	3768	4625	4913	4634	3816	3200	2908	2684	2504	2426	2431	2396	2440	2604			
55	2314	2673	3472	4425	4712	4443	3539	2761	2501	2288	2107	2066	1987	2023	2057	2200			
60	1878	2173	3133	4127	4427	4150	3215	2280	2050	1886	1743	1636	1619	1601	1686	1790			
65	1433	1666	2738	3726	3975	3771	2825	1772	1605	1473	1327	1280	1255	1246	1253	1381			
70	1001	1161	2261	3189	3292	3258	2357	1277	1174	1083	963	894	814	840	891	998			
75	595	690	1705	2143	2017	2243	1816	798	765	707	619	481	431	444	528	612			
80	262	314	902	937	861	1083	1078	399	402	362	268	179	158	152	207	292			
85	39.1	62.9	148	132	99.0	213	291	112	118	99.1	34.0	14.2	13.1	12.8	14.1	45.4			
90	6.47	5.74	5.46	5.74	5.87	6.27	6.51	6.71	6.91	7.53	9.93	12.8	13.7	13.3	10.9	8.11			
95	8.74	7.77	7.22	6.70	6.57	6.56	7.06	7.62	7.70	9.86	13.1	16.6	17.9	17.1	14.0	10.8			
100	11.4	10.1	9.44	8.89	8.67	8.74	9.28	9.94	10.2	12.8	16.4	20.4	22.0	20.8	17.4	13.8			
105	14.3	12.7	11.9	11.3	11.1	11.2	11.8	12.6	13.0	16.1	19.7	24.0	25.9	24.3	20.8	17.0			
110	17.5	15.6	14.6	13.9	13.7	13.7	14.6	15.4	16.0	19.6	23.3	27.6	29.5	27.9	24.4	20.4			
115	20.9	18.6	17.6	16.7	16.6	16.6	17.5	18.6	19.3	23.2	27.1	31.4	33.2	31.7	28.1	24.1			
120	24.4	21.8	20.7	19.8	19.7	19.7	20.6	21.8	22.7	26.9	31.0	35.2	37.0	35.6	32.0	27.8			
125	27.7	25.1	23.9	23.0	22.8	22.9	23.9	25.1	26.2	30.5	34.6	38.6	40.5	38.9	35.4	31.1			
130	30.9	28.3	26.9	26.1	26.0	26.0	27.1	28.3	29.5	33.8	37.9	41.5	43.0	41.6	38.3	34.0			
135	33.9	31.2	29.8	29.0	29.0	28.9	29.9	31.3	32.4	36.5	40.7	43.9	44.9	43.7	40.5	36.5			
140	36.4	33.9	32.7	31.9	31.8	31.7	32.6	34.0	35.3	38.9	42.8	45.8	46.6	45.3	42.4	38.9			
145	38.8	36.6	35.2	34.5	34.5	34.3	35.3	36.5	37.8	41.0	44.3	47.5	47.9	46.8	44.2	40.8			
150	40.9	39.0	38.0	37.2	37.2	37.1	37.8	39.0	40.1	42.7	45.6	48.3	48.8	47.6	45.5	42.7			
155	43.2	41.5	40.4	39.6	39.9	39.5	40.3	41.3	42.1	44.3	46.6	49.0	49.2	48.4	46.7	44.1			
160	45.3	43.9	42.7	42.1	42.3	41.9	42.7	43.5	44.3	45.9	47.3	49.3	49.5	49.0	47.8	45.5			
165	47.4	46.2	45.2	44.5	44.8	44.4	45.1	45.8	46.3	47.3	48.3	49.9	49.8	49.6	48.8	47.0			
170	49.0	48.1	47.3	47.0	47.0	47.1	47.6	47.8	48.6	48.9	49.3	50.3	50.4	50.1	49.7	48.6			
175	50.4	49.8	48.9	48.9	49.1	49.1	49.4	49.1	50.3	50.2	50.1	51.1	50.8	50.8	50.7	49.6			
180	51.0	50.3	50.4	50.6	50.9	50.7	50.5	50.1	51.1	50.2	50.0	50.9	50.7	50.8	50.6	49.8			

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: