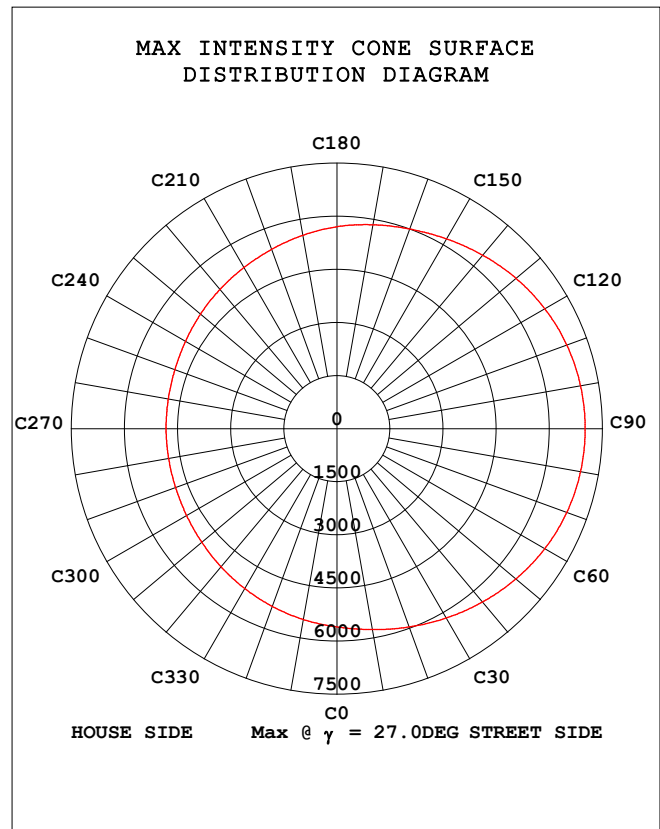
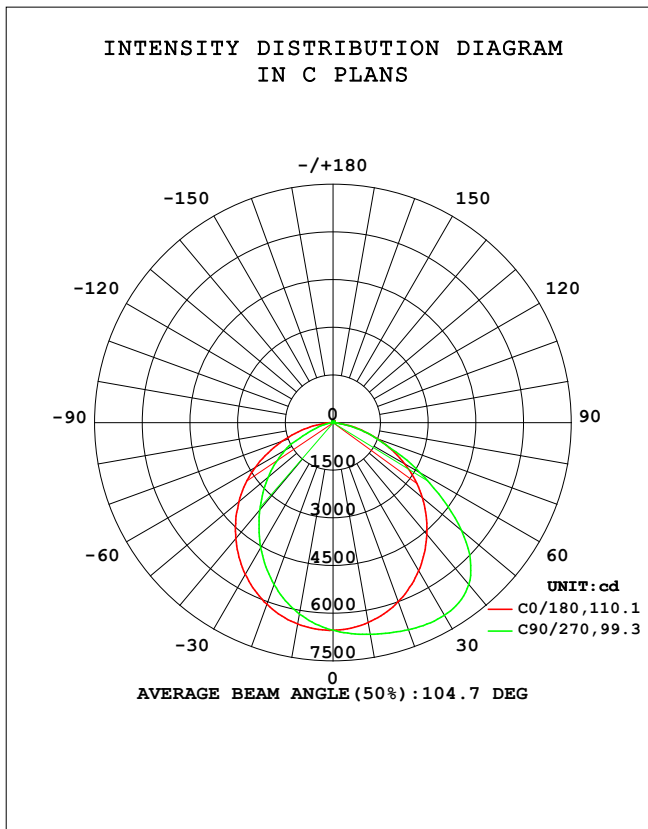


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:275.35V I:0.4259A P:116.63W PF:0.9946 Freq:60.00Hz Lamp Flux:18544.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 159.00 lm/W			
MODEL		Imax(cd)	7010	η street_up(%)	0.5
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	58.8
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	18544	η house_up(%)	0.6
NOMINAL FLUX(lm)	18544.4	MAXIMUM @ (C, γ)	90,27.0	η house_down(%)	40.1
LAMPS INSIDE	1	η up(%)	1.1	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	277	η down(%)	98.9	SLI	

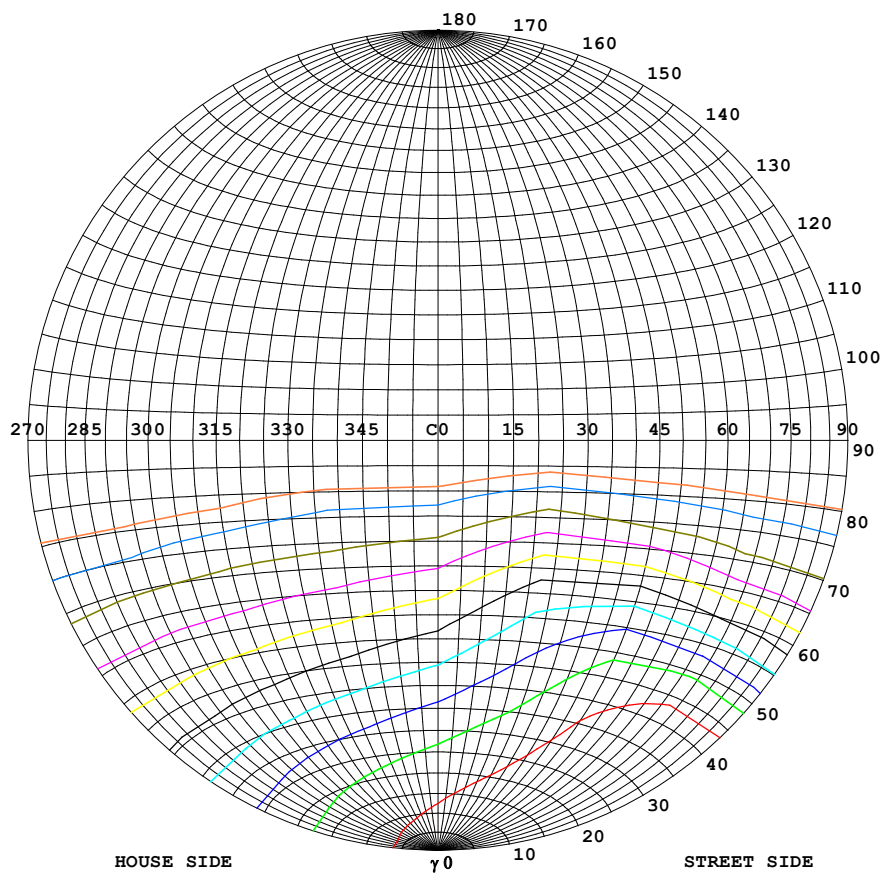


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.35V I:0.4259A P:116.63W PF:0.9946 Freq:60.00Hz Lamp Flux:18544.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



Classification:

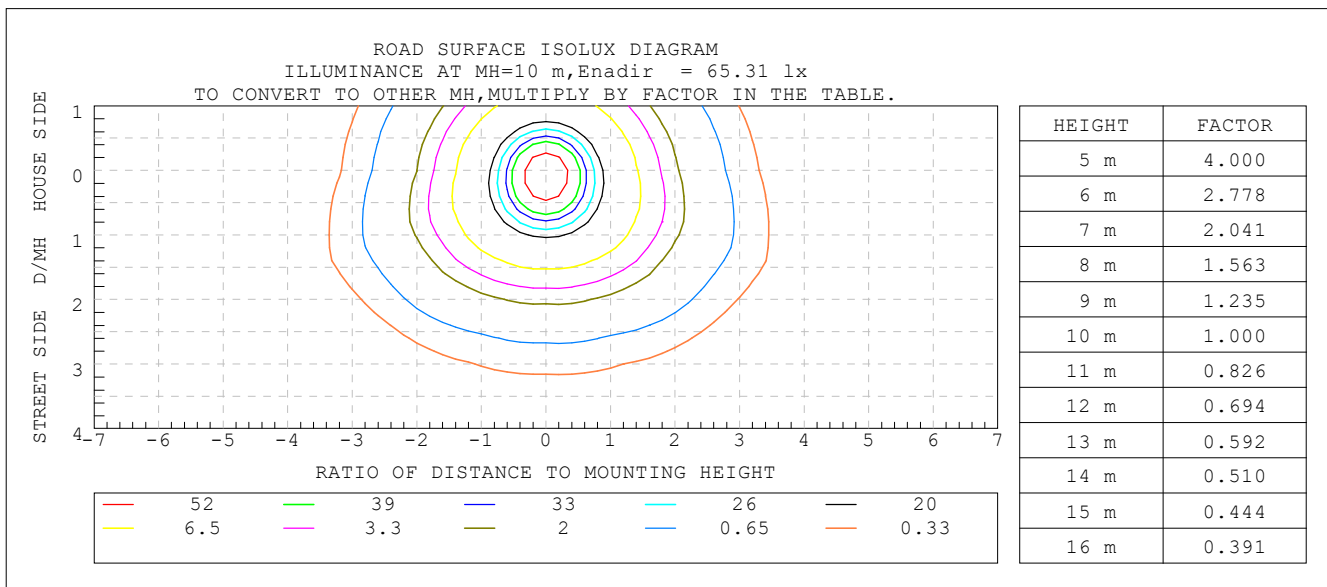
IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:58.00cd/klm
Max.At90:0.6134cd/klm
Max.80-90:58.00cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	7010
90%	6309
80%	5608
70%	4907
60%	4206
50%	3505
40%	2804
30%	2103
20%	1402
10%	701
5%	351

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:275.35V I:0.4259A P:116.63W PF:0.9946 Freq:60.00Hz Lamp Flux:18544.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

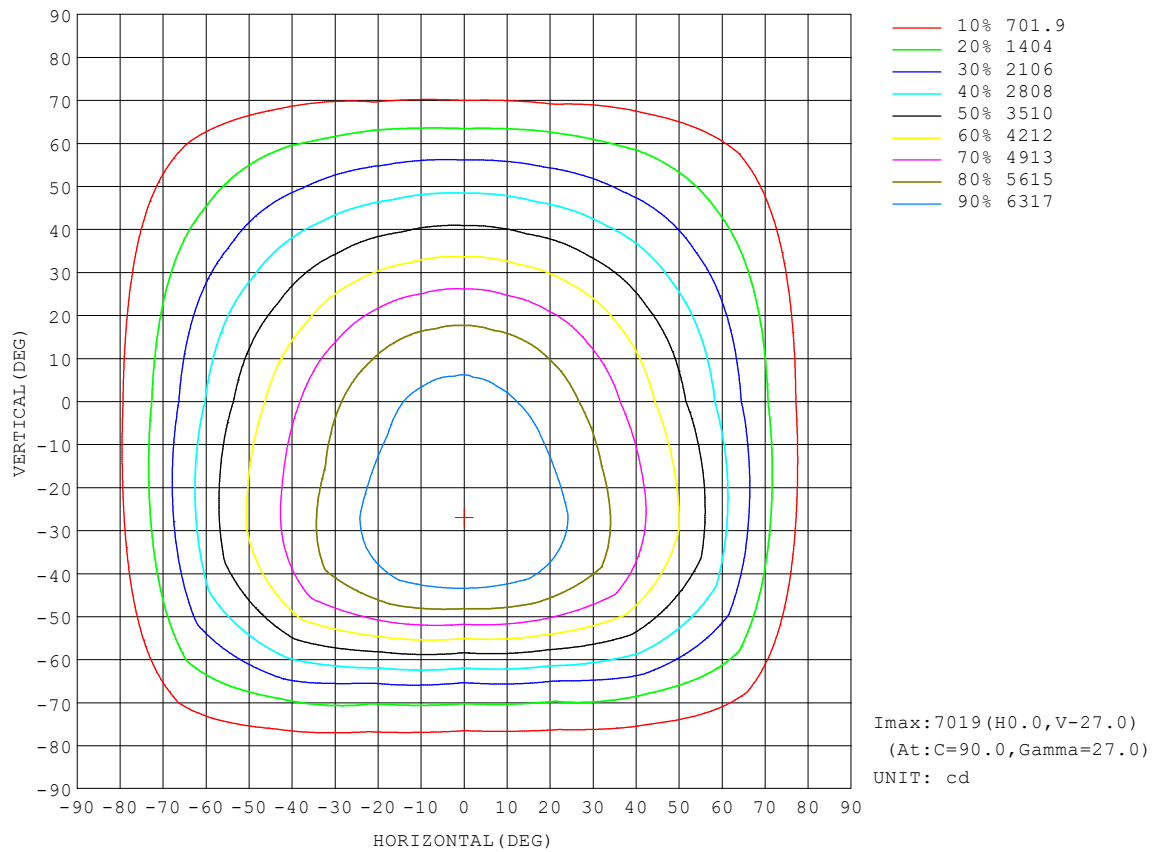
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	6386	6632	6760	6643	6430	6210	6115	6194	0- 10	618.2	618.2	3.33,3.33
20	5998	6585	6935	6600	6085	5634	5428	5597	10- 20	1775	2393	12.9,12.9
30	5392	6442	7001	6454	5518	4835	4552	4787	20- 30	2713	5105	27.5,27.5
40	4599	6144	6648	6171	4761	3907	3587	3843	30- 40	3322	8427	45.4,45.4
50	3670	5461	5294	5538	3869	2936	2663	2870	40- 50	3490	11917	64.3,64.3
60	2610	4048	3182	4216	2834	2020	1757	1952	50- 60	3092	15009	80.9,80.9
70	1479	2200	1429	2373	1698	1179	695.0	1099	60- 70	2159	17168	92.6,92.6
80	427.1	589.4	374.7	716.8	634.0	258.7	134.8	204.3	70- 80	1017	18185	98.1,98.1
90	9.492	6.256	5.648	6.863	10.12	10.70	8.708	11.38	80- 90	157.0	18342	98.9,98.9
100	16.20	11.00	9.053	10.44	14.63	18.87	17.20	19.59	90-100	12.26	18355	99,99
110	24.22	17.31	14.91	16.53	22.34	27.99	27.83	28.61	100-110	19.46	18374	99.1,99.1
120	33.01	24.75	21.88	23.67	30.98	37.69	39.11	38.06	110-120	26.48	18401	99.2,99.2
130	41.34	32.79	29.76	31.42	39.35	46.64	48.94	47.06	120-130	31.69	18432	99.4,99.4
140	47.78	40.25	37.14	38.44	46.26	53.56	56.29	53.57	130-140	33.37	18466	99.6,99.6
150	53.14	47.38	44.32	45.09	51.70	58.65	60.59	57.33	140-150	30.99	18497	99.7,99.7
160	58.03	54.02	51.26	51.27	56.52	62.22	63.10	59.86	150-160	25.17	18522	99.9,99.9
170	62.56	60.34	58.11	57.80	61.29	64.72	64.83	62.05	160-170	16.69	18538	100,100
180	64.87	65.04	63.80	62.16	64.10	64.76	64.38	62.44	170-180	5.956	18544	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

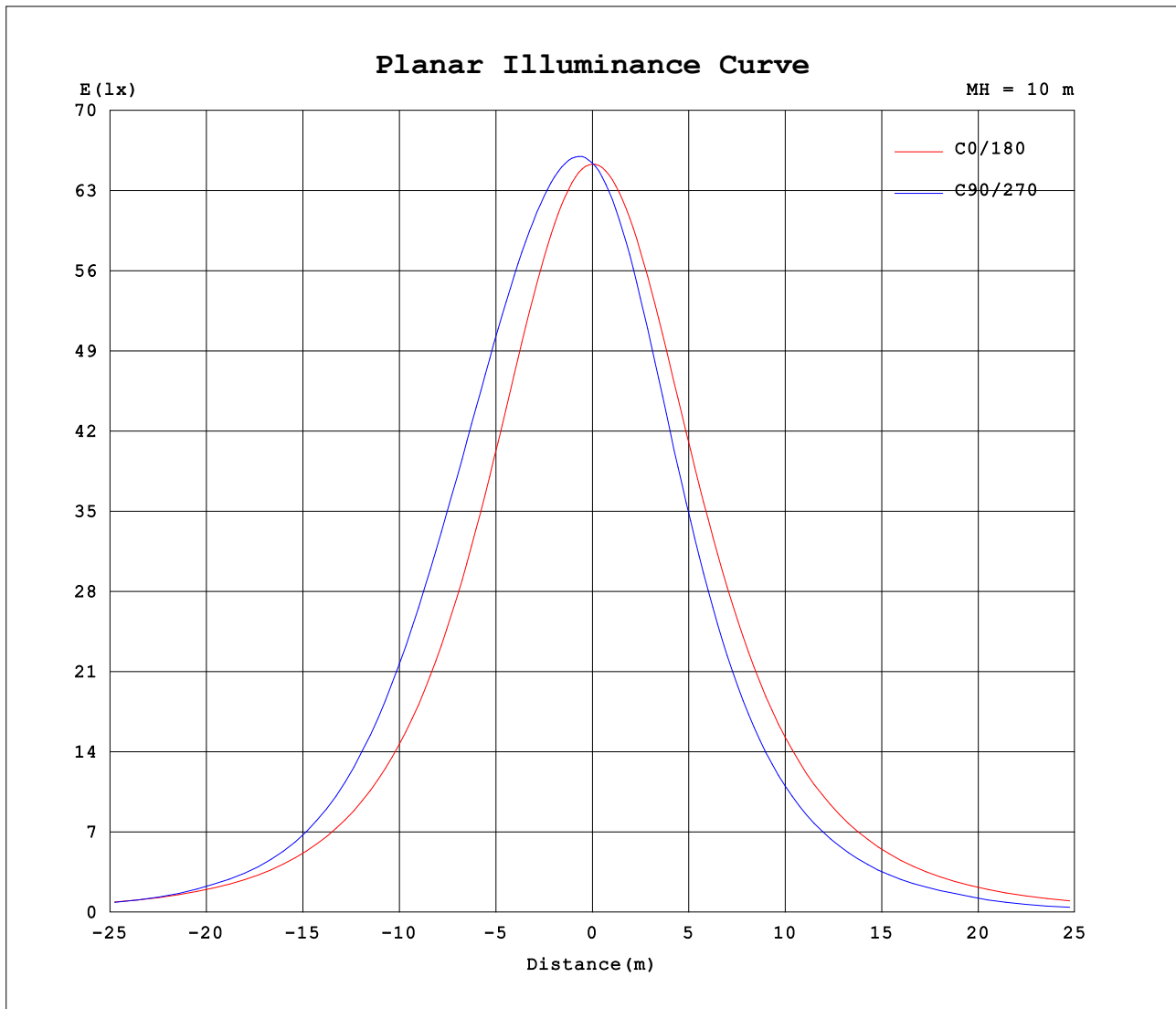
Test:U:275.35V I:0.4259A P:116.63W PF:0.9946 Freq:60.00Hz Lamp Flux:18544.4x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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



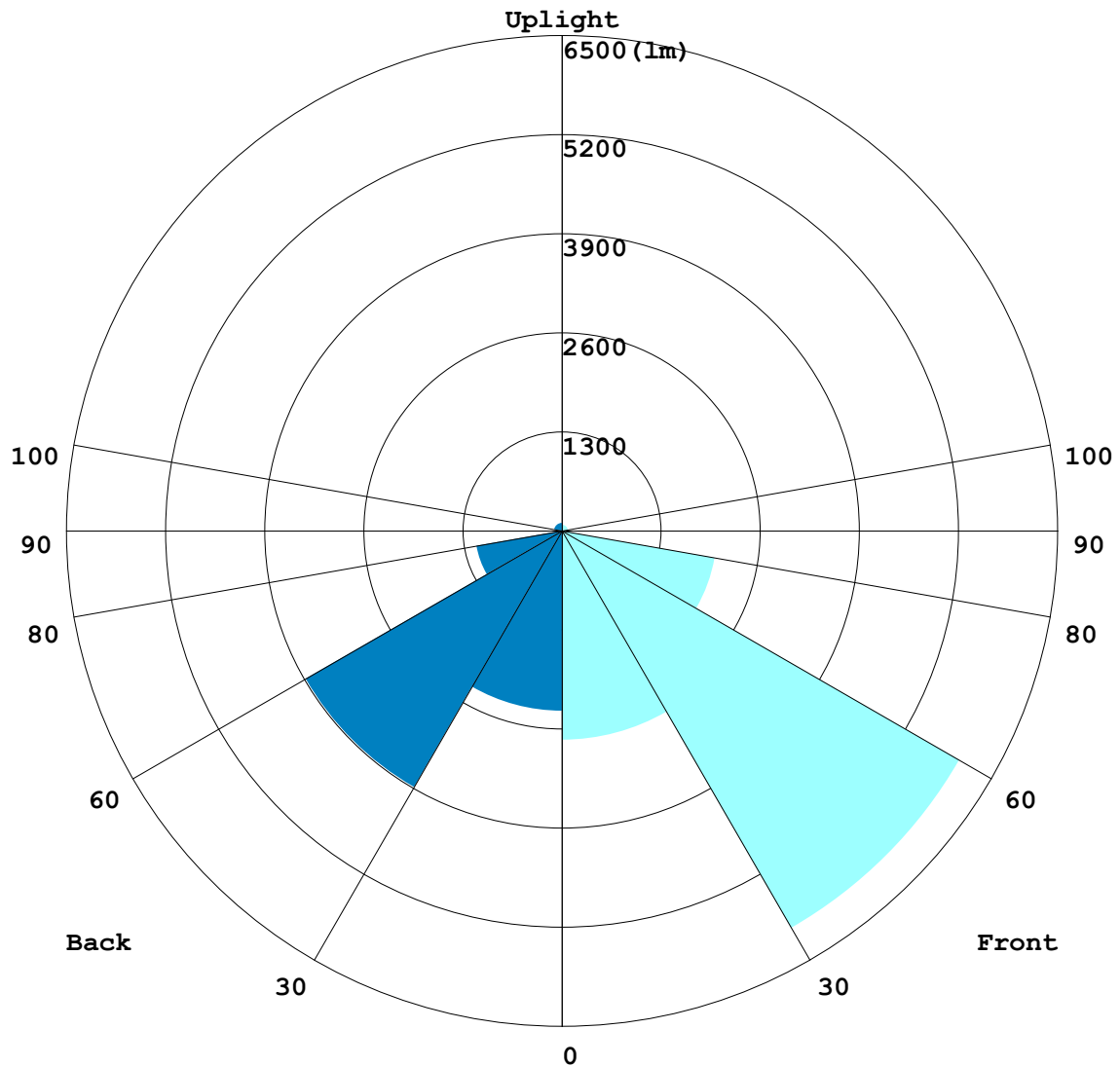
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-18

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:275.35V I:0.4259A P:116.63W PF:0.9946 Freq:60.00Hz Lamp Flux:18544.4x1 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:275.35V I:0.4259A P:116.63W PF:0.9946 Freq:60.00Hz Lamp Flux:18544.4x1 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)	2743.8	14.8
FM - Front-Medium(30-60)	6019.3	32.5
FH - Front-High(60-80)	2036.4	11.0
FVH - Front-Very High(80-90)	107.11	0.6
Total Forward Light	10993	59.3

BL - Back-Low(0-30)	2361.6	12.7
BM - Back-Medium(30-60)	3884.5	20.9
BH - Back-High(60-80)	1139.6	6.1
BVH - Back-Very High(80-90)	49.937	0.3
Total Back Light	7551.3	40.7

UL - Uplight-Low(90-100)	12.264	0.1
UH - Uplight-High(100-180)	189.8	1.0
Total Up Light	202.07	1.1

BUG (Back,Up,Glare) Rating	B3-U3-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7435.7	115.59	7551.3
Street Side	10907	86.478	10993

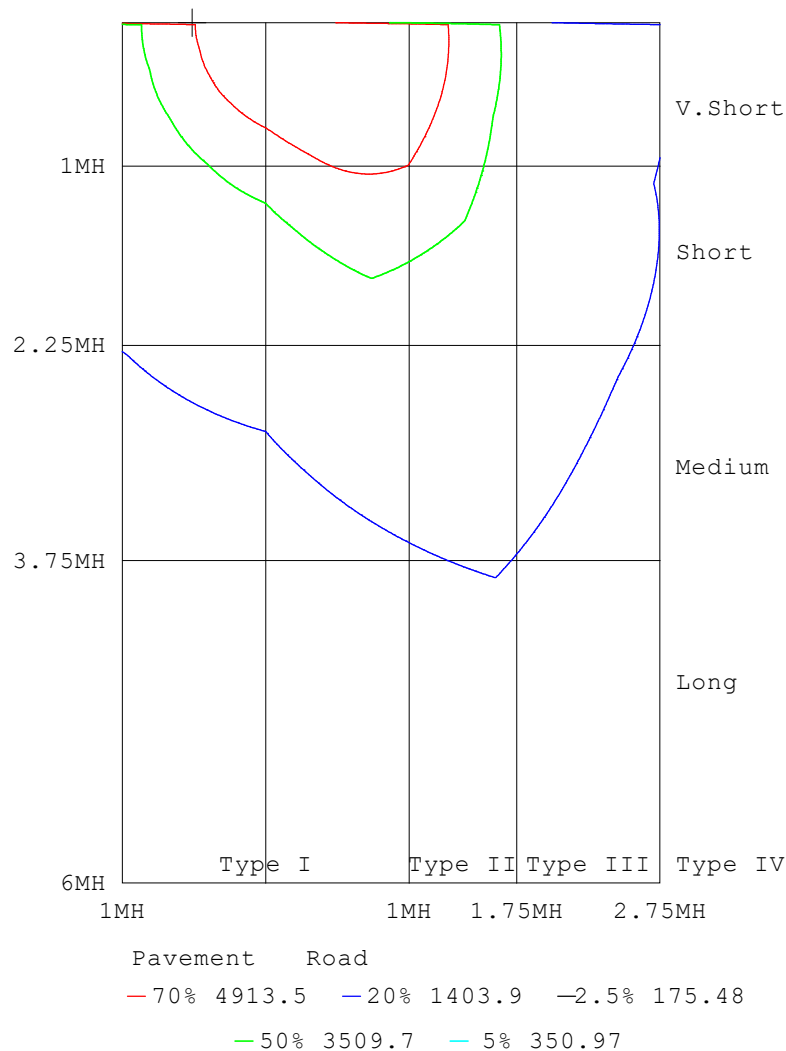
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-07-18

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:275.35V I:0.4259A P:116.63W PF:0.9946 Freq:60.00Hz Lamp Flux:18544.4x1 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:275.35V I:0.4259A P:116.63W PF:0.9946 Freq:60.00Hz Lamp Flux:18544.4x1 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	6533	6533	6533	6533	6533	6533	6533	6533	6533	6533	6533	6533	6533	6533	6533	6533			
5	6493	6552	6606	6644	6661	6648	6611	6560	6513	6449	6404	6364	6357	6359	6392	6440			
10	6386	6516	6632	6725	6760	6729	6643	6533	6430	6306	6210	6136	6115	6119	6194	6284			
15	6223	6424	6623	6793	6851	6792	6635	6447	6288	6096	5955	5829	5799	5814	5925	6070			
20	5998	6285	6585	6840	6935	6844	6600	6310	6085	5831	5634	5464	5428	5449	5597	5788			
25	5716	6099	6525	6876	6998	6879	6538	6131	5827	5505	5259	5061	5006	5036	5214	5455			
30	5392	5874	6442	6869	7001	6874	6454	5909	5518	5126	4835	4618	4552	4591	4787	5066			
35	5015	5611	6323	6786	6908	6796	6337	5650	5164	4711	4380	4139	4071	4110	4326	4638			
40	4599	5324	6144	6570	6648	6599	6171	5367	4761	4251	3907	3653	3587	3620	3843	4182			
45	4151	5013	5875	6149	6122	6196	5920	5056	4330	3785	3422	3183	3120	3150	3354	3700			
50	3670	4676	5461	5451	5294	5527	5538	4724	3869	3297	2936	2720	2663	2686	2870	3210			
55	3162	4295	4851	4508	4239	4604	4978	4359	3375	2809	2479	2279	2207	2244	2413	2713			
60	2610	3820	4048	3459	3182	3559	4216	3901	2834	2310	2020	1840	1757	1804	1952	2213			
65	2046	3185	3119	2497	2178	2585	3301	3311	2265	1812	1591	1388	1150	1315	1524	1716			
70	1479	2444	2200	1546	1429	1616	2373	2607	1698	1345	1179	779	695	742	1099	1258			
75	929	1644	1246	1005	891	1059	1380	1822	1146	904	615	427	377	392	540	816			
80	427	880	589	453	375	498	717	1076	634	505	259	155	135	133	204	394			
85	68.4	212	118	53.5	58.6	81.5	158	324	201	106	37.7	12.1	8.45	9.34	16.9	61.0			
90	9.49	7.30	6.26	5.89	5.65	6.24	6.86	7.88	10.1	10.7	10.7	9.55	8.71	9.87	11.4	11.0			
95	12.7	9.86	8.34	7.25	6.70	7.03	7.89	9.23	11.2	13.8	14.6	13.5	12.6	13.9	15.3	14.5			
100	16.2	12.8	11.0	9.71	9.05	9.39	10.4	12.1	14.6	17.7	18.9	18.1	17.2	18.5	19.6	18.3			
105	20.1	16.1	14.0	12.5	11.8	12.1	13.3	15.2	18.3	21.7	23.4	23.2	22.4	23.5	24.0	22.3			
110	24.2	19.7	17.3	15.7	14.9	15.2	16.5	18.7	22.3	26.1	28.0	28.4	27.8	28.8	28.6	26.5			
115	28.6	23.6	20.9	19.1	18.3	18.6	20.0	22.5	26.6	30.7	32.8	33.8	33.6	34.0	33.3	31.0			
120	33.0	27.7	24.7	22.8	21.9	22.2	23.7	26.4	31.0	35.5	37.7	39.1	39.1	39.2	38.1	35.6			
125	37.3	31.9	28.8	26.7	25.8	26.0	27.6	30.4	35.3	40.1	42.3	44.1	44.3	44.1	42.8	39.9			
130	41.3	35.8	32.8	30.7	29.8	29.9	31.4	34.3	39.4	44.3	46.6	48.6	48.9	48.5	47.1	43.7			
135	44.8	39.5	36.7	34.6	33.5	33.6	35.0	37.8	43.0	48.0	50.3	52.4	52.9	52.4	50.8	46.8			
140	47.8	43.0	40.3	38.3	37.1	37.1	38.4	41.0	46.3	51.2	53.6	55.6	56.3	55.6	53.6	49.4			
145	50.5	46.3	43.9	41.9	40.7	40.6	41.8	44.1	49.1	54.0	56.3	58.3	58.9	58.0	55.7	51.8			
150	53.1	49.5	47.4	45.5	44.3	44.3	45.1	47.0	51.7	56.4	58.7	60.2	60.6	59.4	57.3	53.7			
155	55.6	52.6	50.7	49.0	47.9	47.7	48.2	49.8	54.1	58.4	60.6	61.9	61.8	60.5	58.7	55.4			
160	58.0	55.6	54.0	52.4	51.3	50.9	51.3	52.6	56.5	60.3	62.2	63.4	63.1	61.6	59.9	56.9			
165	60.4	58.5	57.3	55.8	54.7	54.4	54.5	55.4	58.9	61.9	63.7	64.6	64.1	62.6	61.0	58.5			
170	62.6	61.2	60.3	59.2	58.1	58.0	57.8	58.2	61.3	63.5	64.7	65.4	64.8	63.3	62.1	60.0			
175	64.2	63.3	62.9	62.3	61.1	60.9	60.3	60.3	63.3	64.8	65.5	65.8	65.1	63.8	62.8	61.2			
180	64.9	64.3	65.0	65.1	63.8	63.4	62.2	61.6	64.1	64.8	64.8	64.9	64.4	63.0	62.4	61.4			

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: