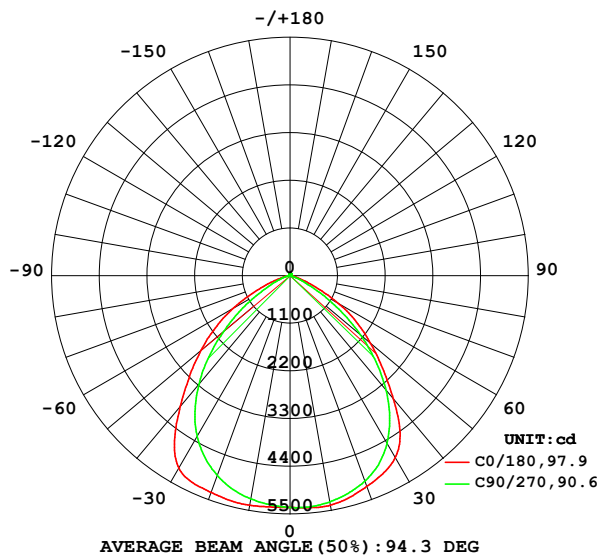
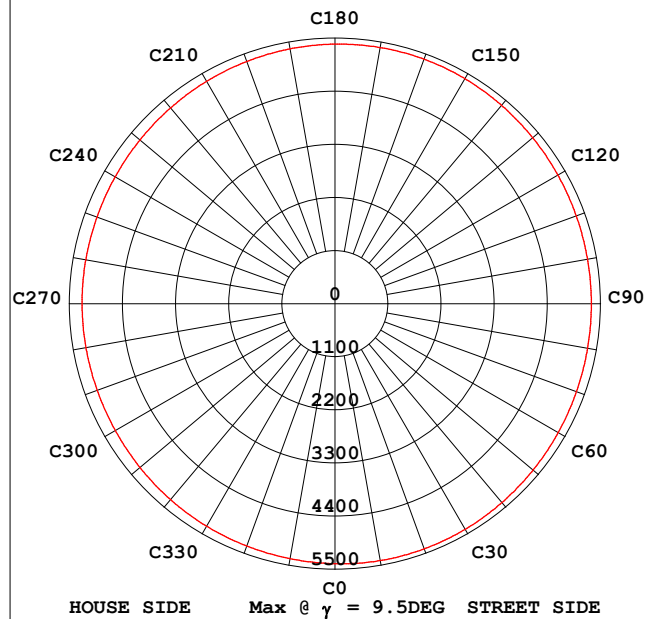


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.01V I:0.6816A P:80.519W PF:0.9926 Freq:60.00Hz Lamp Flux:11953.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.46 lm/W			
MODEL		I <sub>max</sub> (cd)	5402	η street_up (%)	0.6
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	49.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	11954	η house_up (%)	0.6
NOMINAL FLUX (lm)	11953.5	MAXIMUM @ (C, γ )	23,9.5	η house_down (%)	49.2
LAMPS INSIDE	1	η up (%)	1.2	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	98.8	SLI	

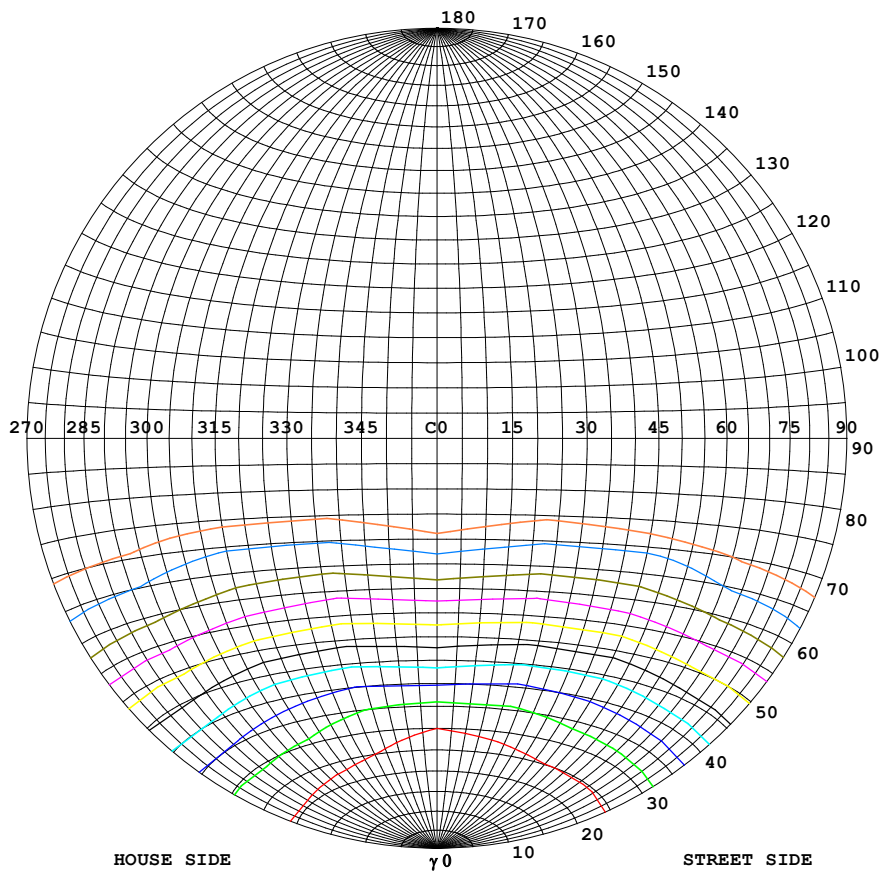
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-05-05

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
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:119.01V I:0.6816A P:80.519W PF:0.9926 Freq:60.00Hz Lamp Flux:11953.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



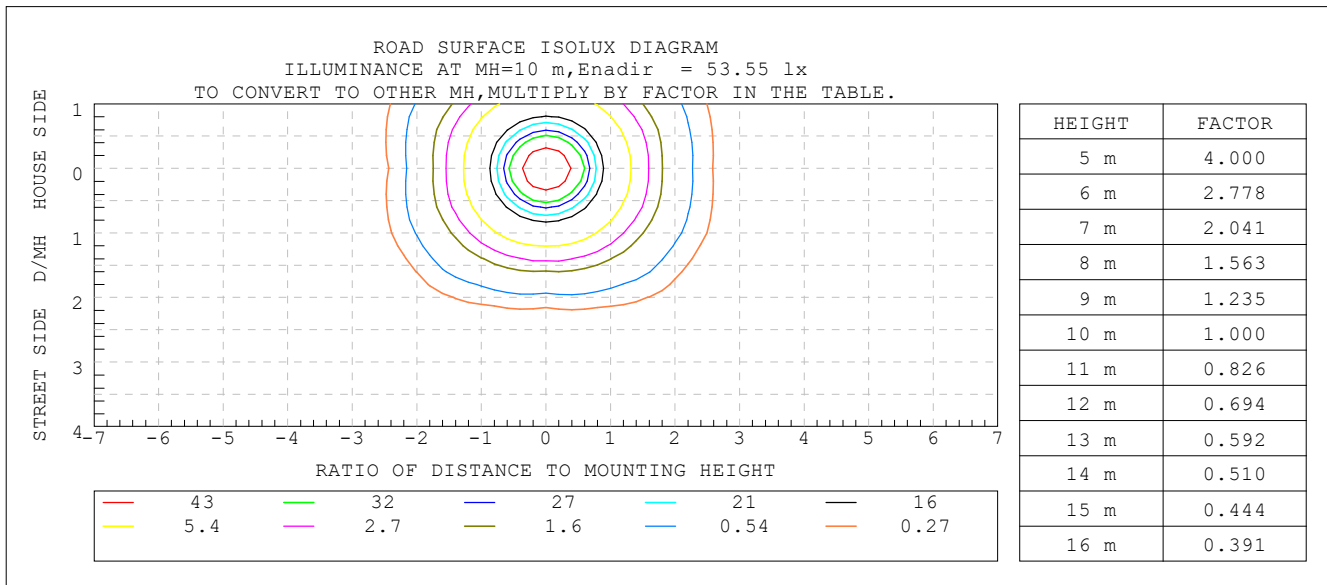
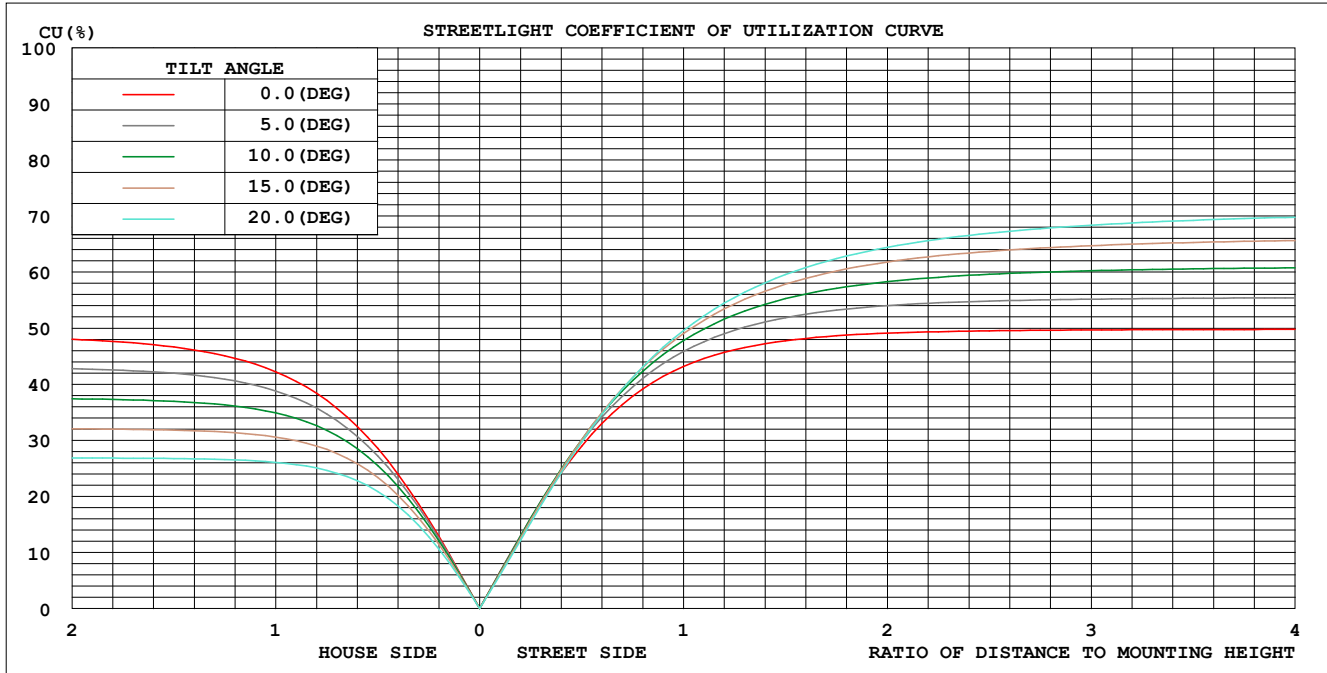
## Classification:

IES:Type VS - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:9.276cd/klm  
Max.At90:0.3480cd/klm  
Max.80-90:9.276cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	5402
90%	4862
80%	4322
70%	3782
60%	3241
50%	2701
40%	2161
30%	1621
20%	1080
10%	540
5%	270

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2024-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
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: MEDIUM  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
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:119.01V I:0.6816A P:80.519W PF:0.9926 Freq:60.00Hz Lamp Flux:11953.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

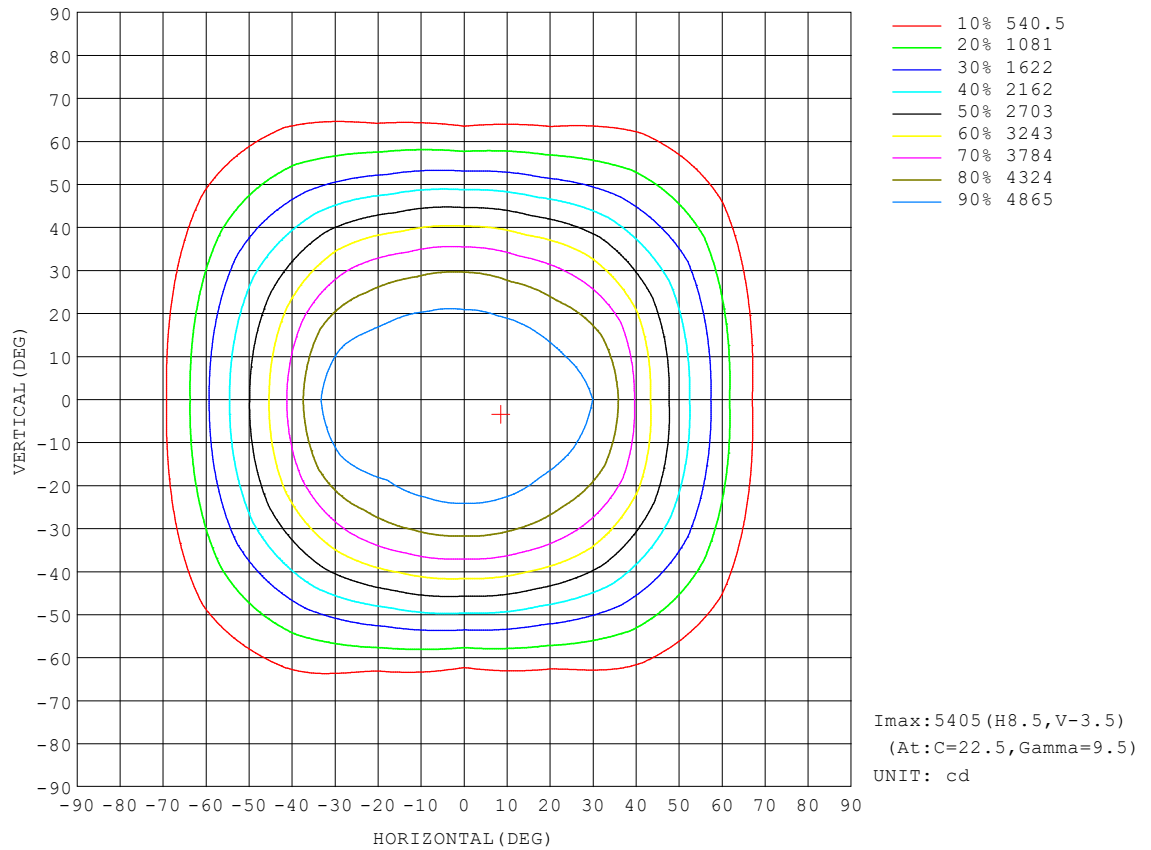
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	5376	5363	5301	5354	5379	5284	5230	5280	0- 10	509.6	509.6	4.26,4.26
20	5177	5099	5048	5132	5324	5070	4909	4988	10- 20	1478	1988	16.6,16.6
30	4855	4562	4476	4625	5130	4542	4291	4404	20- 30	2250	4238	35.5,35.5
40	3721	3712	3450	3789	3941	3725	3270	3562	30- 40	2613	6850	57.3,57.3
50	2426	2515	2117	2608	2684	2549	1993	2404	40- 50	2338	9188	76.9,76.9
60	1288	1332	822.9	1409	1529	1384	827.2	1285	50- 60	1619	10807	90.4,90.4
70	326.9	420.1	174.8	510.4	474.6	563.0	242.9	487.7	60- 70	777.1	11584	96.9,96.9
80	48.79	21.57	2.293	35.70	79.65	80.49	49.91	59.21	70- 80	207.8	11792	98.6,98.6
90	4.159	3.631	2.497	3.322	4.050	4.017	2.867	3.742	80- 90	18.08	11810	98.8,98.8
100	8.785	7.710	5.876	7.179	6.933	6.687	5.222	7.039	90-100	5.337	11815	98.8,98.8
110	15.81	13.82	11.49	13.21	13.31	12.68	10.93	13.16	100-110	10.34	11826	98.9,98.9
120	24.17	21.25	19.02	20.66	21.34	20.12	18.79	20.64	110-120	16.63	11842	99.1,99.1
130	32.33	29.17	27.16	28.64	29.56	27.93	27.17	28.59	120-130	22.15	11864	99.3,99.3
140	38.81	36.26	34.90	35.81	36.66	34.96	34.74	35.90	130-140	25.07	11889	99.5,99.5
150	44.17	42.51	41.45	41.75	42.06	41.03	40.82	41.89	140-150	24.46	11914	99.7,99.7
160	47.63	47.43	46.80	46.89	46.58	46.29	46.02	46.89	150-160	20.54	11934	99.8,99.8
170	52.72	51.75	52.25	51.69	52.29	51.28	52.12	51.54	160-170	13.95	11948	100,100
180	57.58	56.33	57.27	56.02	57.58	56.36	57.35	56.00	170-180	5.130	11954	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.450m [K=1.0000]  
 Remarks:

### ISOCANDELA DIAGRAM

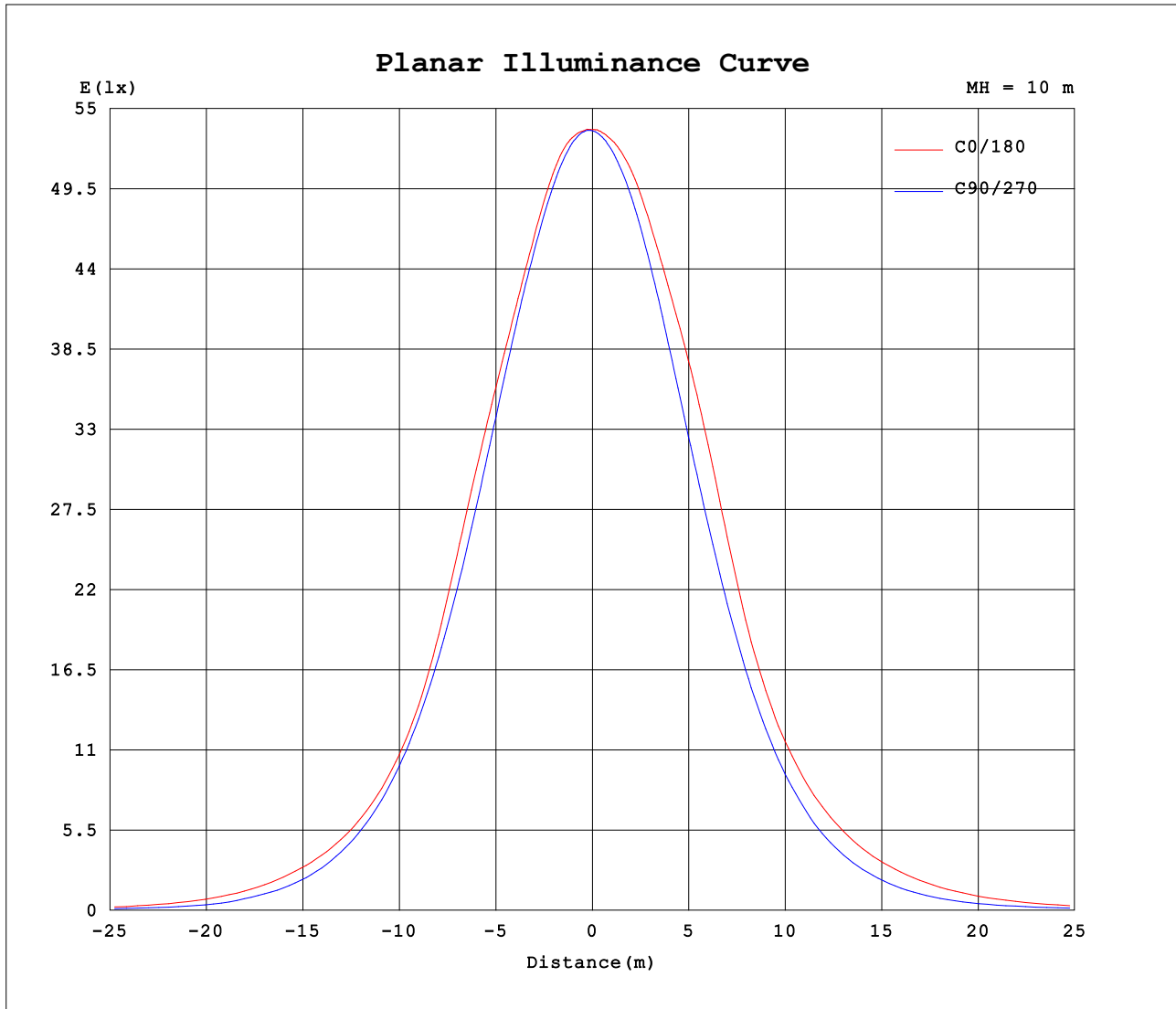
Test:U:119.01V I:0.6816A P:80.519W PF:0.9926 Freq:60.00Hz Lamp Flux:11953.5x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2024-05-05

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.450m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



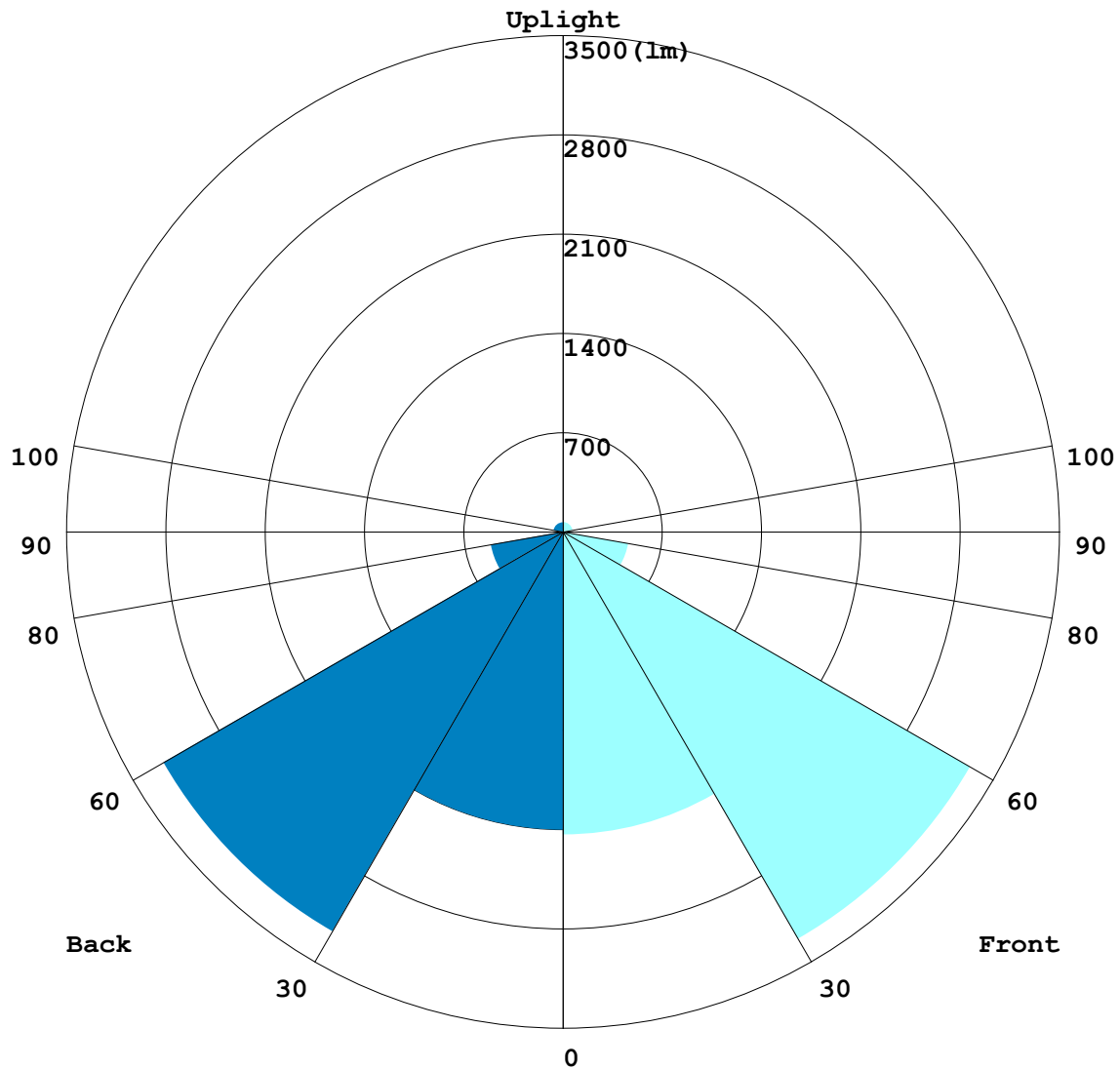
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 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:119.01V I:0.6816A P:80.519W PF:0.9926 Freq:60.00Hz Lamp Flux:11953.5x1 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: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2024-05-05

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
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:119.01V I:0.6816A P:80.519W PF:0.9926 Freq:60.00Hz Lamp Flux:11953.5x1 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)	2134.7	17.9
FM - Front-Medium(30-60)	3315	27.7
FH - Front-High(60-80)	468.04	3.9
FVH - Front-Very High(80-90)	5.4736	0.0
Total Forward Light	5996	50.2

BL - Back-Low(0-30)	2102.9	17.6
BM - Back-Medium(30-60)	3254.4	27.2
BH - Back-High(60-80)	516.82	4.3
BVH - Back-Very High(80-90)	12.61	0.1
Total Back Light	5957.5	49.8

UL - Uplight-Low(90-100)	5.3375	0.0
UH - Uplight-High(100-180)	138.26	1.2
Total Up Light	143.6	1.2

BUG (Back,Up,Glare) Rating	B3-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5886.7	70.778	5957.5
Street Side	5923.2	72.823	5996

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2024-05-05

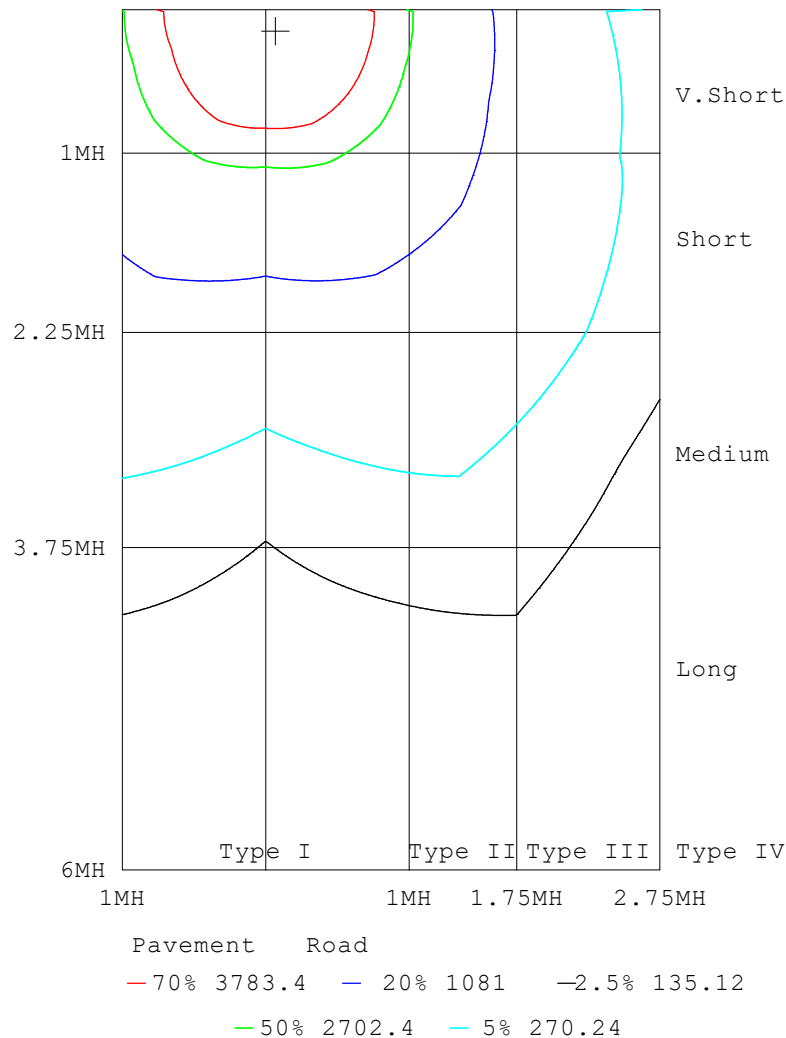
γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.450m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:119.01V I:0.6816A P:80.519W PF:0.9926 Freq:60.00Hz Lamp Flux:11953.5x1 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: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2024-05-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
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:119.01V I:0.6816A P:80.519W PF:0.9926 Freq:60.00Hz Lamp Flux:11953.5x1 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	5349	5349	5349	5349	5349	5349	5349	5349	5349	5349	5349	5349	5349	5349	5349	5349			
5	5374	5378	5369	5360	5353	5358	5361	5365	5355	5341	5321	5308	5306	5309	5327	5346			
10	5376	5393	5363	5320	5301	5318	5354	5392	5379	5335	5284	5242	5230	5235	5280	5332			
15	5301	5320	5274	5223	5198	5221	5284	5370	5370	5290	5209	5136	5106	5112	5174	5229			
20	5177	5169	5099	5064	5048	5064	5132	5276	5324	5184	5070	4958	4909	4914	4988	5067			
25	5052	4980	4862	4840	4822	4839	4908	5149	5282	5058	4842	4696	4641	4636	4729	4886			
30	4855	4736	4562	4511	4476	4521	4625	4950	5130	4879	4542	4351	4291	4275	4404	4662			
35	4433	4387	4188	4068	4015	4088	4264	4569	4654	4515	4174	3918	3830	3829	4022	4321			
40	3721	3858	3712	3522	3450	3554	3789	3971	3941	3934	3725	3390	3270	3295	3562	3794			
45	3021	3214	3139	2896	2803	2935	3223	3349	3278	3304	3158	2785	2646	2696	3009	3158			
50	2426	2590	2515	2217	2117	2261	2608	2755	2684	2704	2549	2149	1993	2068	2404	2545			
55	1883	2002	1892	1568	1429	1618	1980	2155	2104	2128	1928	1554	1387	1485	1804	1988			
60	1288	1469	1332	1011	823	1058	1409	1597	1529	1587	1384	1031	827	971	1285	1470			
65	718	921	862	492	359	533	935	1047	933	1039	938	597	449	552	856	935			
70	327	501	420	251	175	269	510	602	475	595	563	328	243	300	488	518			
75	133	234	159	82.6	52.5	92.4	206	300	207	299	263	168	122	151	210	244			
80	48.8	65.6	21.6	5.09	2.29	7.13	35.7	101	79.6	111	80.5	67.9	49.9	58.0	59.2	77.6			
85	11.1	8.07	3.13	1.84	1.53	1.74	3.57	15.0	23.4	21.9	18.1	13.5	10.6	10.3	12.2	12.9			
90	4.16	3.96	3.63	2.85	2.50	2.70	3.32	3.63	4.05	4.06	4.02	3.17	2.87	3.22	3.74	3.85			
95	6.18	5.94	5.43	4.38	3.94	4.17	5.01	5.30	4.69	4.92	4.62	3.81	3.27	3.93	4.84	5.46			
100	8.78	8.43	7.71	6.47	5.88	6.20	7.18	7.62	6.93	7.05	6.69	5.76	5.22	5.90	7.04	7.82			
105	12.0	11.5	10.6	9.08	8.37	8.76	9.96	10.5	9.80	9.90	9.44	8.41	7.75	8.58	9.85	10.8			
110	15.8	15.0	13.8	12.2	11.5	11.8	13.2	14.0	13.3	13.3	12.7	11.7	10.9	11.9	13.2	14.4			
115	19.9	18.8	17.4	15.8	15.1	15.4	16.8	17.8	17.2	17.1	16.3	15.3	14.7	15.6	16.8	18.3			
120	24.2	22.8	21.2	19.6	19.0	19.2	20.7	21.9	21.3	21.0	20.1	19.3	18.8	19.6	20.6	22.3			
125	28.4	26.9	25.3	23.7	23.1	23.1	24.7	26.0	25.5	24.9	24.0	23.3	23.1	23.7	24.6	26.4			
130	32.3	30.9	29.2	27.7	27.2	27.0	28.6	30.0	29.6	28.9	27.9	27.1	27.2	27.7	28.6	30.2			
135	35.7	34.5	32.8	31.8	31.1	30.9	32.4	33.9	33.3	32.7	31.6	30.8	31.1	31.6	32.4	33.8			
140	38.8	37.9	36.3	35.4	34.9	34.5	35.8	37.1	36.7	36.2	35.0	34.1	34.7	35.3	35.9	37.2			
145	41.6	40.8	39.6	38.7	38.4	37.9	38.9	40.0	39.5	39.3	38.1	37.1	37.9	38.6	39.1	40.3			
150	44.2	43.3	42.5	41.8	41.5	41.0	41.7	42.7	42.1	42.1	41.0	40.0	40.8	41.6	41.9	43.4			
155	45.9	45.6	45.1	44.7	44.2	43.9	44.3	45.2	44.4	44.5	43.7	42.9	43.5	44.2	44.5	46.0			
160	47.6	48.0	47.4	47.5	46.8	46.8	46.9	47.3	46.6	46.7	46.3	45.9	46.0	46.6	46.9	48.6			
165	49.9	50.3	49.6	49.6	49.4	49.6	49.3	49.4	49.2	49.0	48.7	49.0	49.0	49.0	49.4	51.0			
170	52.7	52.5	51.7	51.8	52.3	52.2	51.7	51.6	52.3	51.7	51.3	51.9	52.1	51.4	51.5	53.5			
175	56.0	55.2	54.6	54.3	55.0	54.7	54.3	53.9	55.5	54.5	54.3	54.7	54.9	54.0	53.9	54.9			
180	57.6	56.8	56.3	56.6	57.3	56.2	56.0	56.3	57.6	56.8	56.4	56.6	57.3	56.2	56.0	56.3			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2024-05-05

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.450m [K=1.0000]  
Remarks: