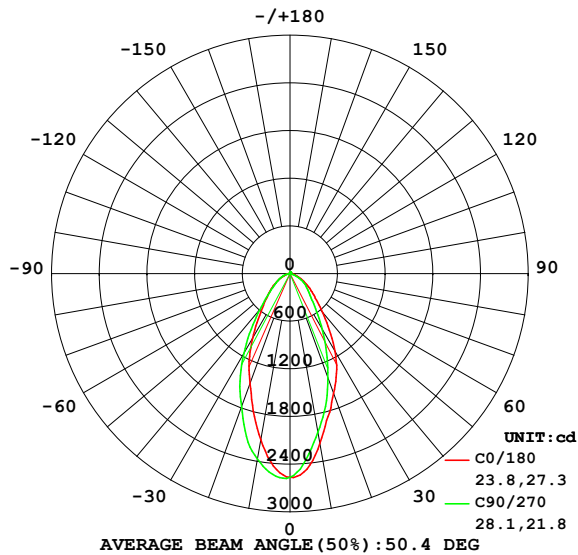
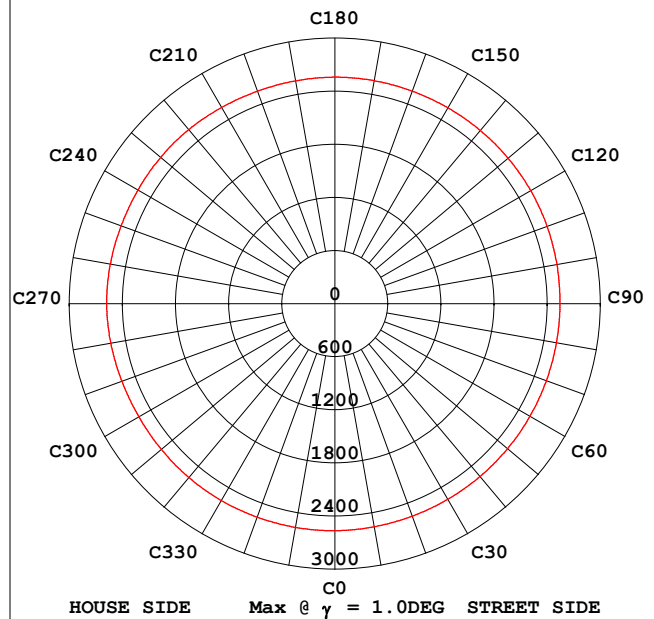


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.53V I:0.1610A P:19.133W PF:0.9939 Freq:60.01Hz Lamp Flux:2567.54x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.20 lm/W			
MODEL		I <sub>max</sub> (cd)	2579	η street_up (%)	0.7
NOMINAL POWER (W)	20	LOR (%)	100.0	η street_down (%)	46.7
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	2568	η house_up (%)	0.6
NOMINAL FLUX (lm)	2567.54	MAXIMUM @ (C, γ )	270, 1.0	η house_down (%)	52.0
LAMPS INSIDE	1	η up (%)	1.3	76 FLASHAREA (m2)	
TEST VOLTAGE (V)	120	η down (%)	98.7	SLI	

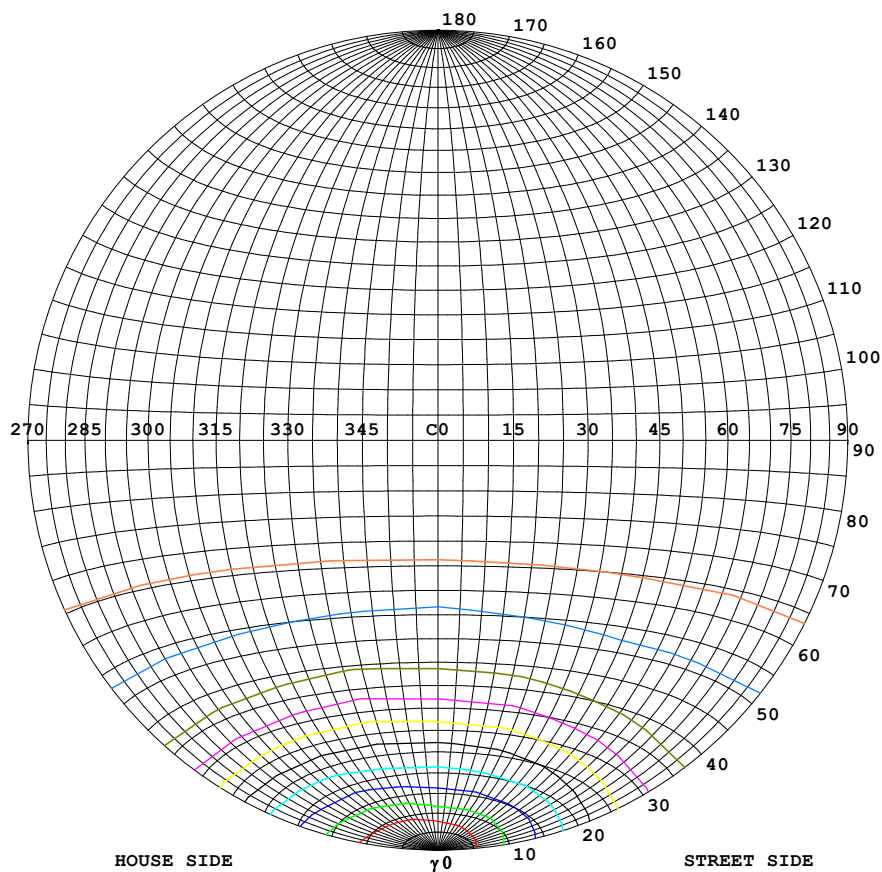
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 6.475m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.53V I:0.1610A P:19.133W PF:0.9939 Freq:60.01Hz Lamp Flux:2567.54x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



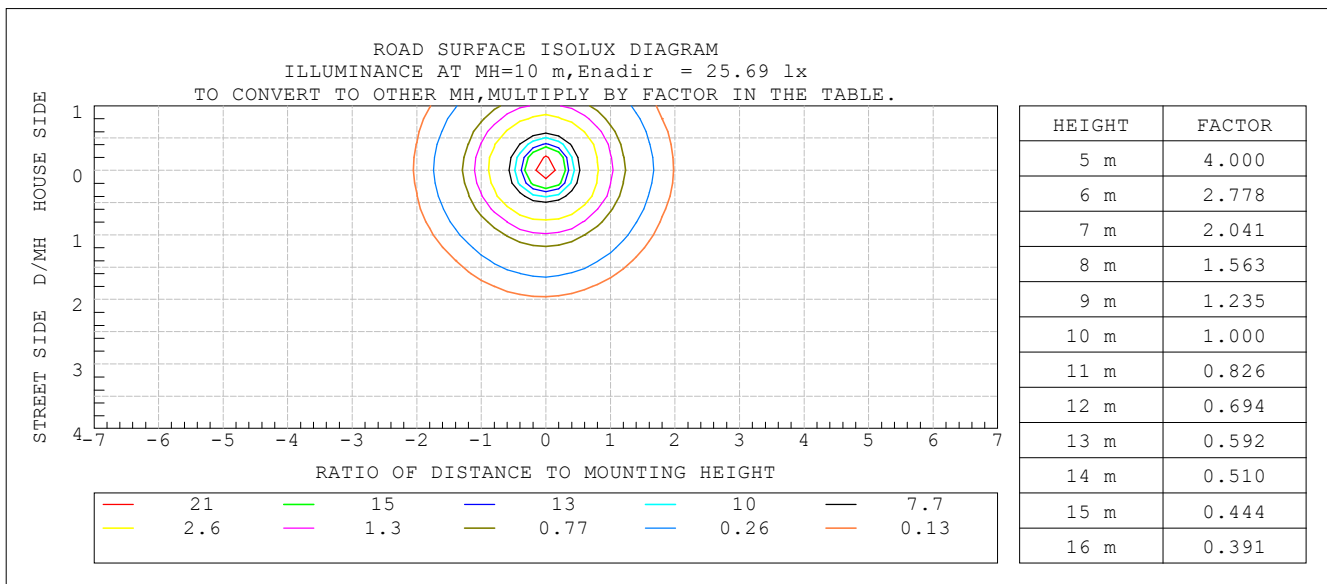
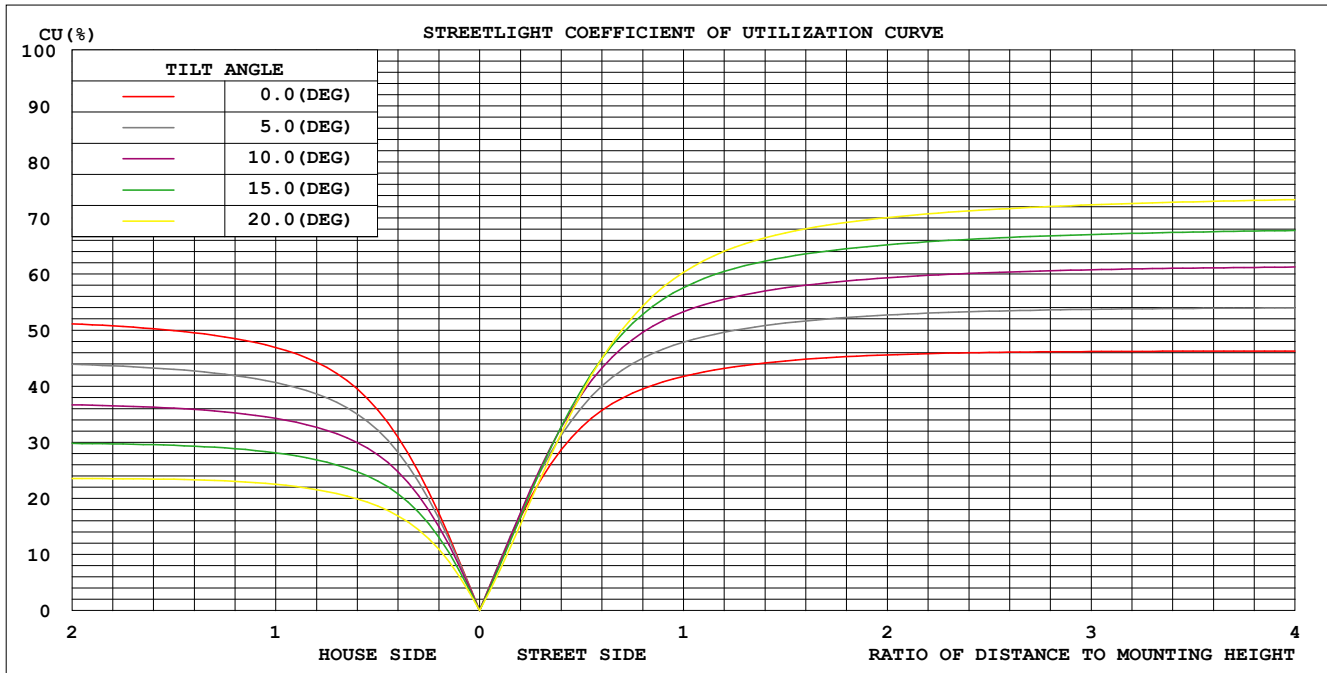
## Classification:

IES:Type I - Very Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:12.01cd/klm  
Max.At90:0.2675cd/klm  
Max.80-90:12.01cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	2579
90%	2321
80%	2063
70%	1805
60%	1548
50%	1290
40%	1032
30%	774
20%	516
10%	258
5%	129

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.475m [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: 2024-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 6.475m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

Test:U:119.53V I:0.1610A P:19.133W PF:0.9939 Freq:60.01Hz Lamp Flux:2567.54x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

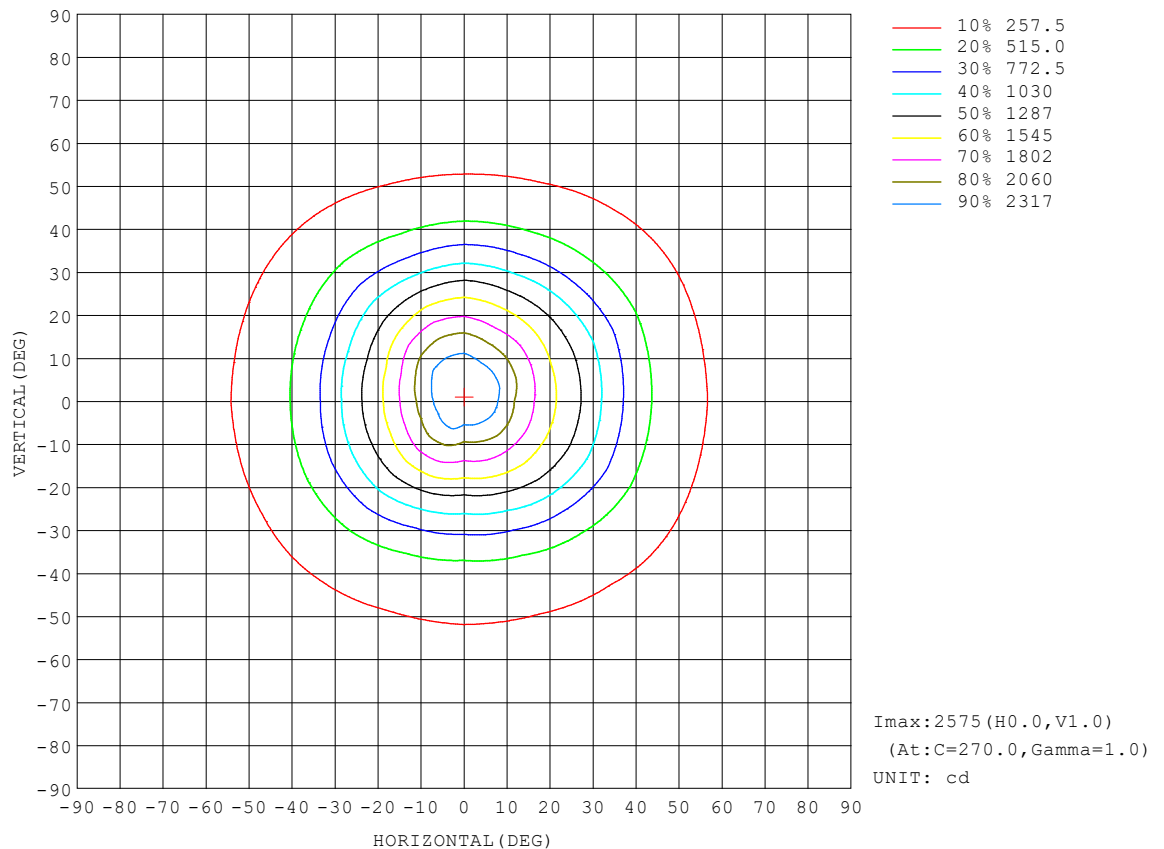
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	2172	2122	2025	2148	2124	2325	2371	2297	0- 10	225.7	225.7	8.79,8.79
20	1603	1543	1399	1501	1472	1681	1789	1714	10- 20	527.7	753.4	29.3,29.3
30	1136	988.4	819.0	933.7	945.3	1082	1167	1159	20- 30	596.3	1350	52.6,52.6
40	642.2	518.0	431.4	493.2	525.8	580.8	594.0	626.1	30- 40	477.7	1827	71.2,71.2
50	363.1	291.7	277.7	278.0	317.7	307.9	300.2	325.0	40- 50	316.3	2144	83.5,83.5
60	204.9	172.3	171.4	160.2	175.8	175.0	178.5	189.6	50- 60	212.6	2356	91.8,91.8
70	94.31	78.12	52.30	65.37	82.88	84.91	91.24	96.53	60- 70	125.4	2482	96.7,96.7
80	28.62	8.519	0.1292	3.047	22.60	22.78	8.930	28.48	70- 80	46.40	2528	98.5,98.5
90	0.3558	0.3587	0.3503	0.4211	0.3897	0.4817	0.2553	0.6869	80- 90	5.669	2534	98.7,98.7
100	0.8880	0.8861	0.8818	0.9931	1.015	0.8446	0.6835	0.7177	90-100	0.6376	2534	98.7,98.7
110	1.816	1.778	1.838	1.989	2.104	1.744	1.548	1.564	100-110	1.360	2536	98.8,98.8
120	3.317	3.275	3.439	3.604	3.892	3.190	2.813	2.882	110-120	2.452	2538	98.9,98.9
130	5.587	5.677	5.997	6.077	6.584	5.441	4.804	5.034	120-130	3.902	2542	99,99
140	8.770	8.984	9.572	9.390	10.12	8.520	7.754	8.128	130-140	5.514	2548	99.2,99.2
150	12.47	12.69	13.47	13.02	13.99	12.22	11.52	11.85	140-150	6.691	2554	99.5,99.5
160	15.63	16.01	16.37	16.08	17.12	15.82	15.10	15.59	150-160	6.613	2561	99.7,99.7
170	18.14	18.29	18.51	18.12	19.63	18.29	18.11	17.88	160-170	4.832	2566	99.9,99.9
180	21.51	20.43	20.98	20.17	21.52	20.43	20.97	20.18	170-180	1.826	2568	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:2024-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.475m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

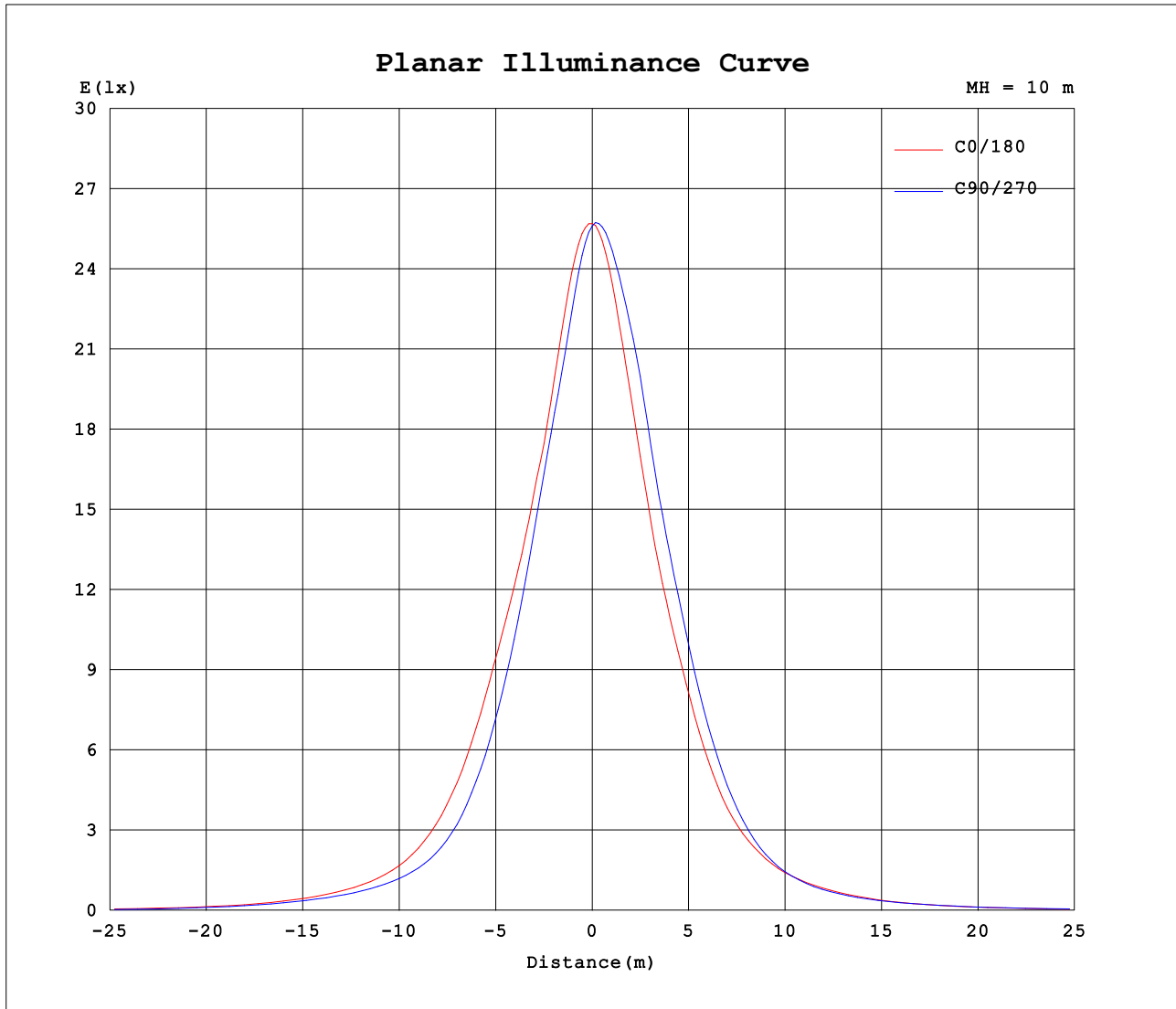
Test:U:119.53V I:0.1610A P:19.133W PF:0.9939 Freq:60.01Hz Lamp Flux:2567.54x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.475m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



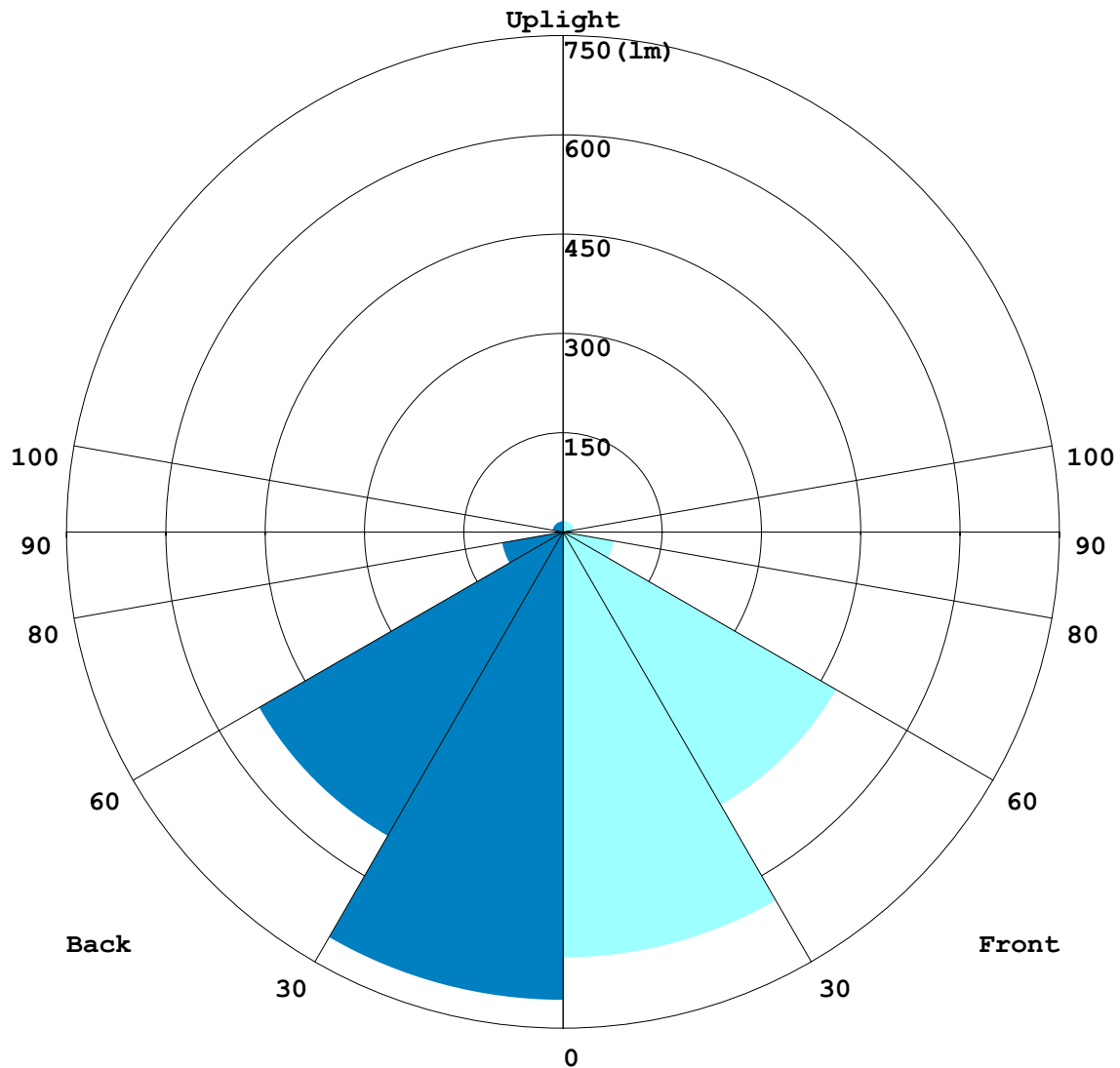
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 6.475m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:119.53V I:0.1610A P:19.133W PF:0.9939 Freq:60.01Hz Lamp Flux:2567.54x1 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:2024-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.475m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:119.53V I:0.1610A P:19.133W PF:0.9939 Freq:60.01Hz Lamp Flux:2567.54x1 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)	642.8	25.0
FM - Front-Medium(30-60)	476.48	18.6
FH - Front-High(60-80)	78.232	3.0
FVH - Front-Very High(80-90)	1.5976	0.1
Total Forward Light	1216.5	47.4

BL - Back-Low(0-30)	706.84	27.5
BM - Back-Medium(30-60)	530.14	20.6
BH - Back-High(60-80)	93.55	3.6
BVH - Back-Very High(80-90)	4.0711	0.2
Total Back Light	1351	52.6

UL - Uplight-Low(90-100)	0.63758	0.0
UH - Uplight-High(100-180)	33.19	1.3
Total Up Light	33.828	1.3

BUG(Back,Up,Glare) Rating	B2-U2-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1334.6	16.425	1351
Street Side	1199.1	17.403	1216.5

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-10-28

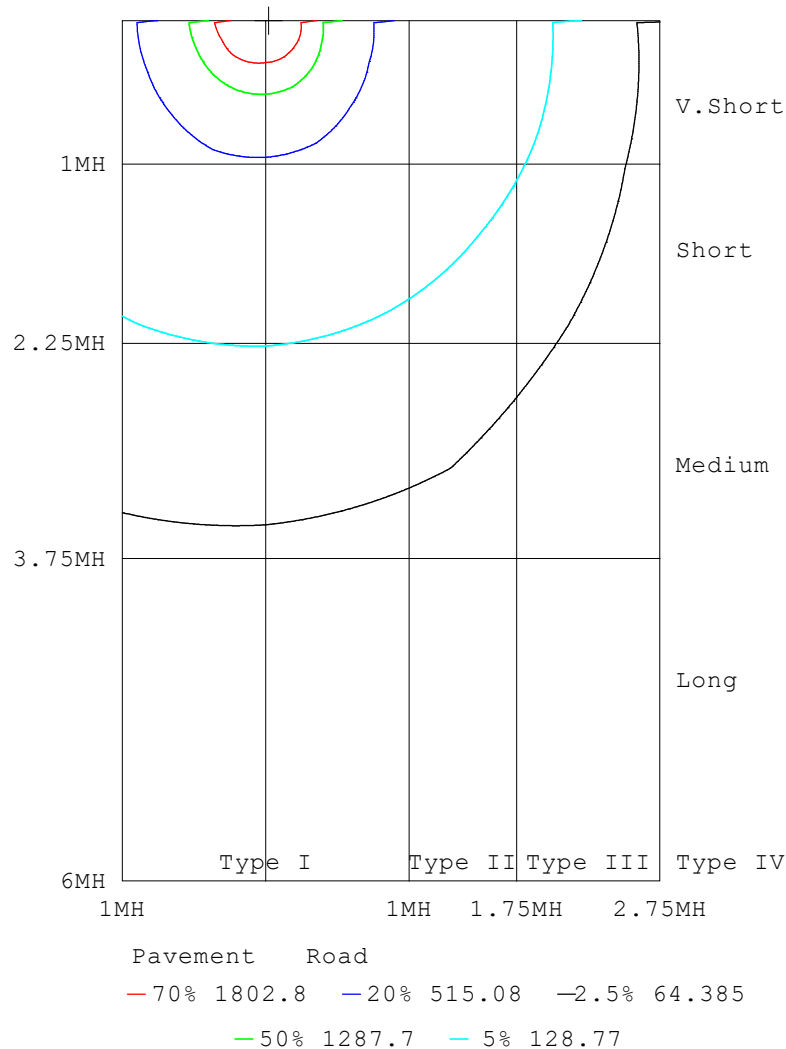
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.475m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

Test:U:119.53V I:0.1610A P:19.133W PF:0.9939 Freq:60.01Hz Lamp Flux:2567.54x1 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:2024-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.475m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.53V I:0.1610A P:19.133W PF:0.9939 Freq:60.01Hz Lamp Flux:2567.54x1 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	2565	2565	2565	2565	2565	2565	2565	2565	2565	2565	2565	2565	2565	2565	2565	2565			
5	2470	2435	2399	2366	2350	2414	2430	2426	2432	2458	2504	2516	2538	2483	2487	2498			
10	2172	2154	2122	2064	2025	2127	2148	2122	2124	2204	2325	2356	2371	2297	2297	2282			
15	1863	1844	1818	1779	1733	1800	1839	1804	1792	1859	2021	2099	2124	2024	2002	1953			
20	1603	1577	1543	1462	1399	1454	1501	1473	1472	1519	1681	1773	1789	1710	1714	1662			
25	1389	1356	1279	1160	1095	1140	1215	1224	1221	1256	1355	1445	1494	1433	1431	1420			
30	1136	1101	988	871	819	839	934	959	945	982	1082	1108	1167	1125	1159	1185			
35	870	838	718	628	588	604	680	714	699	737	809	803	856	829	875	924			
40	642	610	518	452	431	438	493	524	526	543	581	562	594	589	626	684			
45	474	444	382	345	339	335	365	389	401	406	418	397	411	410	444	493			
50	363	333	292	276	278	267	278	294	318	310	308	296	300	302	325	359			
55	283	253	226	223	228	214	213	221	246	238	233	227	230	232	248	271			
60	205	189	172	173	171	163	160	163	176	174	175	175	178	179	190	203			
65	142	134	125	118	108	108	112	115	123	122	127	130	134	134	140	144			
70	94.3	90.3	78.1	62.0	52.3	53.9	65.4	75.1	82.9	82.1	84.9	87.4	91.2	92.1	96.5	98.5			
75	58.4	54.0	36.4	18.7	10.4	13.4	24.7	41.7	50.1	48.4	48.9	51.1	45.2	52.4	57.6	61.0			
80	28.6	24.4	8.52	0.26	0.13	0.16	3.05	14.5	22.6	22.1	22.8	21.4	8.93	18.2	28.5	30.8			
85	7.01	4.26	0.63	0.23	0.21	0.24	0.37	1.45	4.73	4.98	5.93	5.21	1.34	4.46	9.08	8.90			
90	0.36	0.36	0.36	0.38	0.35	0.39	0.42	0.45	0.39	0.42	0.48	0.50	0.26	0.48	0.69	0.39			
95	0.57	0.59	0.58	0.59	0.57	0.61	0.67	0.73	0.66	0.62	0.57	0.46	0.41	0.40	0.44	0.48			
100	0.89	0.90	0.89	0.87	0.88	0.92	0.99	1.07	1.02	0.96	0.84	0.73	0.68	0.66	0.72	0.77			
105	1.29	1.28	1.27	1.25	1.29	1.32	1.43	1.54	1.49	1.40	1.24	1.13	1.07	1.04	1.09	1.16			
110	1.82	1.79	1.78	1.75	1.84	1.85	1.99	2.14	2.10	1.96	1.74	1.62	1.55	1.51	1.56	1.66			
115	2.48	2.45	2.44	2.39	2.54	2.53	2.70	2.92	2.89	2.67	2.38	2.20	2.12	2.05	2.14	2.29			
120	3.32	3.29	3.28	3.24	3.44	3.41	3.60	3.90	3.89	3.57	3.19	2.92	2.81	2.72	2.88	3.06			
125	4.35	4.31	4.35	4.32	4.60	4.52	4.73	5.07	5.12	4.70	4.19	3.86	3.70	3.60	3.84	4.04			
130	5.59	5.56	5.68	5.68	6.00	5.89	6.08	6.47	6.58	6.06	5.44	5.02	4.80	4.73	5.03	5.25			
135	7.06	7.06	7.24	7.27	7.67	7.47	7.65	8.04	8.26	7.67	6.90	6.40	6.16	6.09	6.47	6.71			
140	8.77	8.80	8.98	9.07	9.57	9.28	9.39	9.80	10.1	9.44	8.52	8.00	7.75	7.69	8.13	8.42			
145	10.6	10.7	10.8	11.0	11.6	11.2	11.2	11.6	12.1	11.3	10.3	9.80	9.57	9.52	9.93	10.3			
150	12.5	12.6	12.7	12.9	13.5	13.2	13.0	13.4	14.0	13.2	12.2	11.8	11.5	11.5	11.9	12.3			
155	14.2	14.5	14.5	14.6	15.1	14.9	14.7	15.0	15.7	15.0	14.1	13.7	13.4	13.4	13.8	14.3			
160	15.6	16.0	16.0	16.0	16.4	16.3	16.1	16.3	17.1	16.5	15.8	15.4	15.1	15.1	15.6	16.1			
165	16.8	17.4	17.2	17.0	17.4	17.4	17.2	17.2	18.4	17.6	17.2	16.9	16.6	16.3	16.9	17.6			
170	18.1	18.6	18.3	17.8	18.5	18.4	18.1	18.1	19.6	18.5	18.3	18.3	18.1	17.4	17.9	18.6			
175	19.9	19.9	19.4	19.1	19.9	19.6	19.2	19.1	20.7	19.6	19.5	19.7	19.6	18.8	19.0	19.6			
180	21.5	20.8	20.4	20.5	21.0	20.3	20.2	20.5	21.5	20.8	20.4	20.5	21.0	20.3	20.2	20.5			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:6.475m [K=1.0000]  
Remarks: