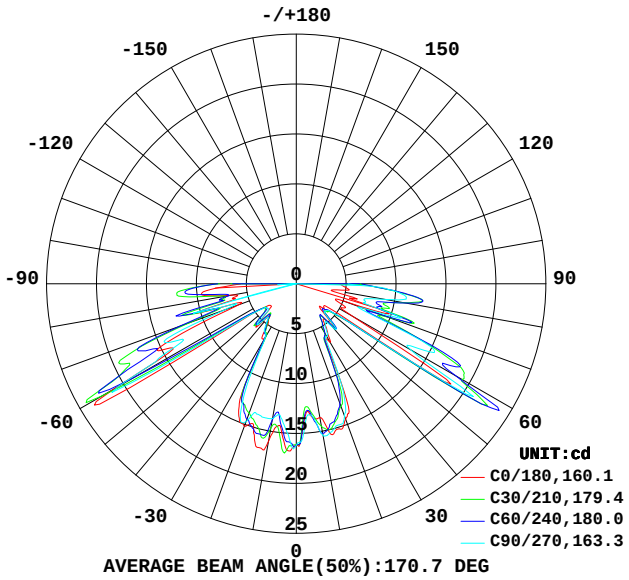
STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:23.954V I:0.0612A P:1.4639W PF:0.9992 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57.679x1 lm		
NAME: LARGE CLEAR GLOBE WW CR90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 11
MFR.: EXC	SUR.:	Shielding Angle:

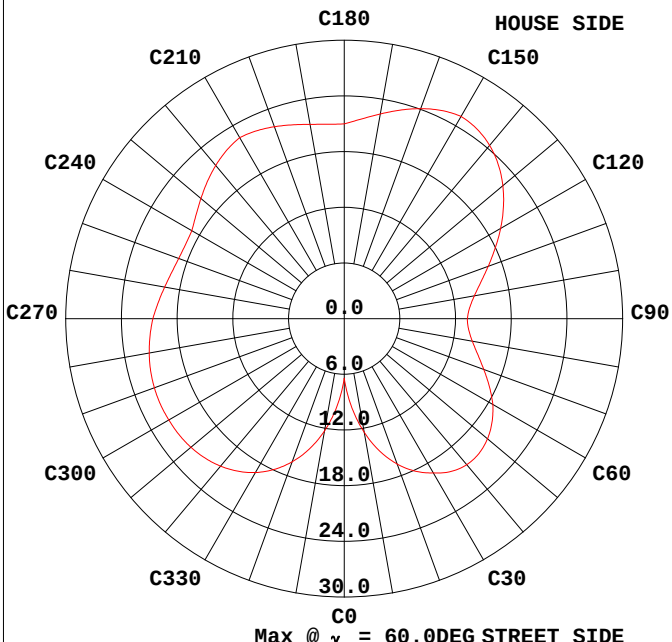
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 39.40 lm/W
MODEL		Imax(cd)	25.17	η street_up(%)	0.0
NOMINAL POWER(W)	1.4	LOR(%)	100.0	η street_down(%)	55.8
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	57.68	η house_up(%)	0.0
NOMINAL FLUX(lm)	57.679	MAXIMUM @(C,γ)	150,60.0	η house_down(%)	44.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)		η down(%)	100.0	SLI	

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



AVERAGE BEAM ANGLE(50%):170.7 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM



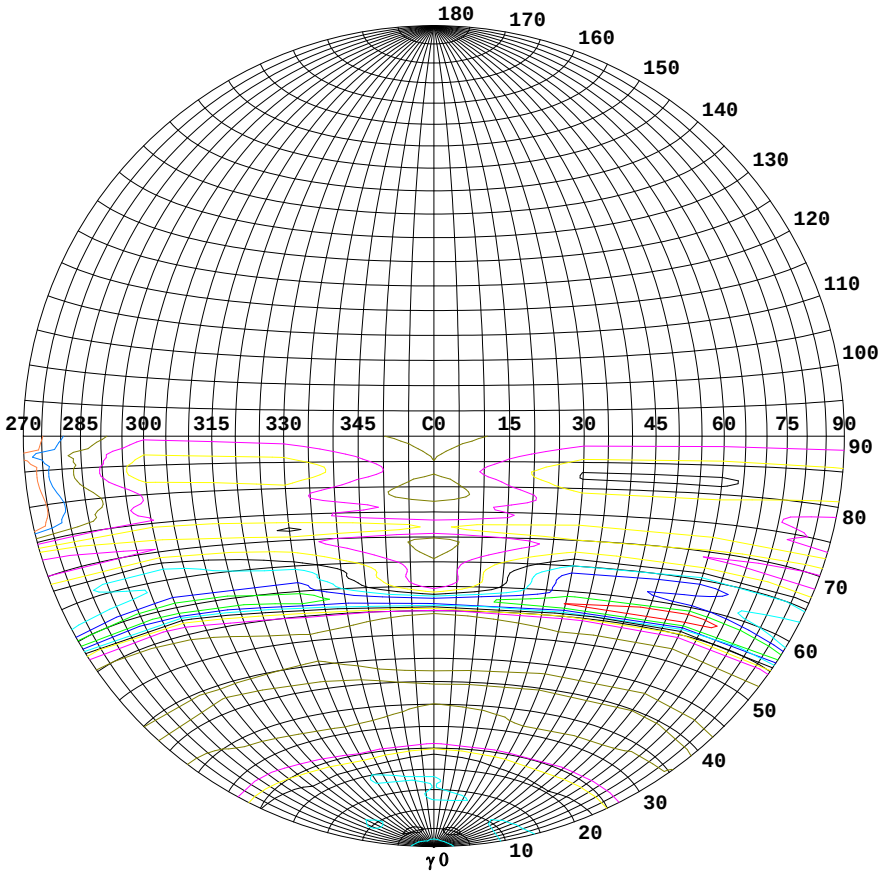
Max @ γ = 60.0DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:23.954V I:0.0612A P:1.4639W PF:0.9992 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57.679x1 lm		
NAME: LARGE CLEAR GLOBE WW CR90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 11
MFR.: EXC	SUR.:	Shielding Angle:



Classification:

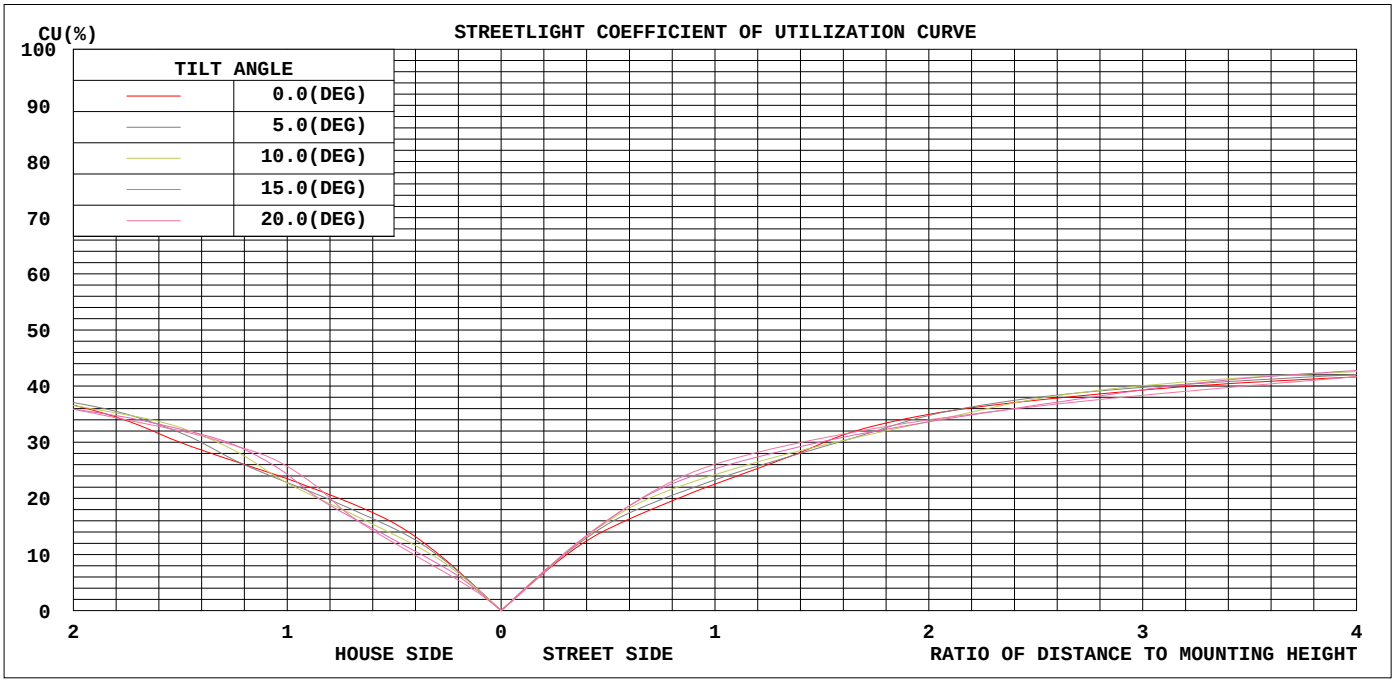
IES:Type VS - Short
CIE:Average - Intermediate
IES:None cut-off
CIE:Non-cut-off
Max.At80:193.0cd/klm
Max.At90:136.6cd/klm
Max.80-90:221.8cd/klm

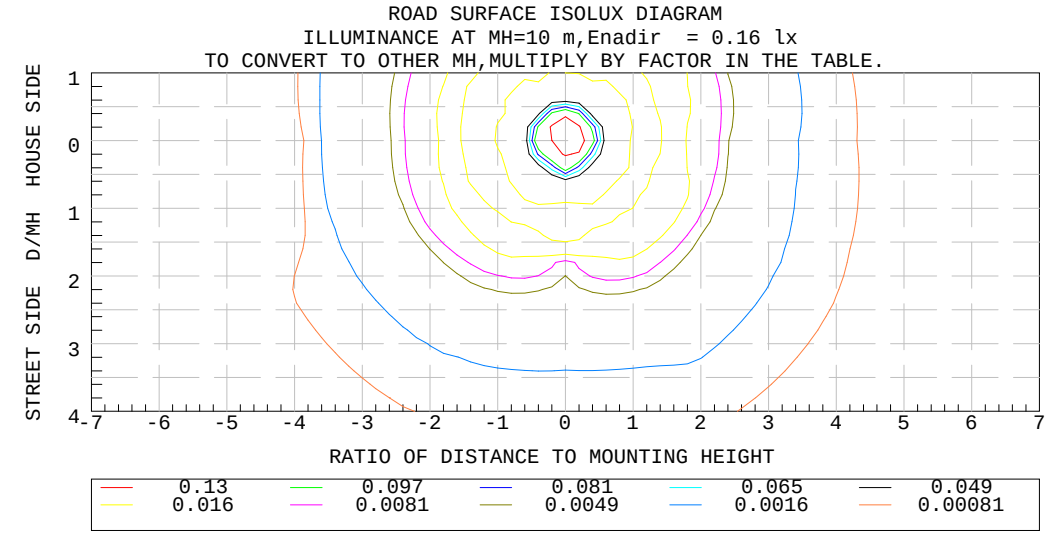
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	25
90%	23
80%	20
70%	18
60%	15
50%	13
40%	10
30%	8
20%	5
10%	3
5%	1

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM





HEIGHT	FACTOR
5 m	4.000
6 m	2.778
7 m	2.041
8 m	1.563
9 m	1.235
10 m	1.000
11 m	0.826
12 m	0.694
13 m	0.592
14 m	0.510
15 m	0.444
16 m	0.391

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:23.954V I:0.0612A P:1.4639W PF:0.9992 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57.679x1 lm		
NAME: LARGE CLEAR GLOBE WW CR90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 11
MFR.: EXC	SUR.:	Shielding Angle:

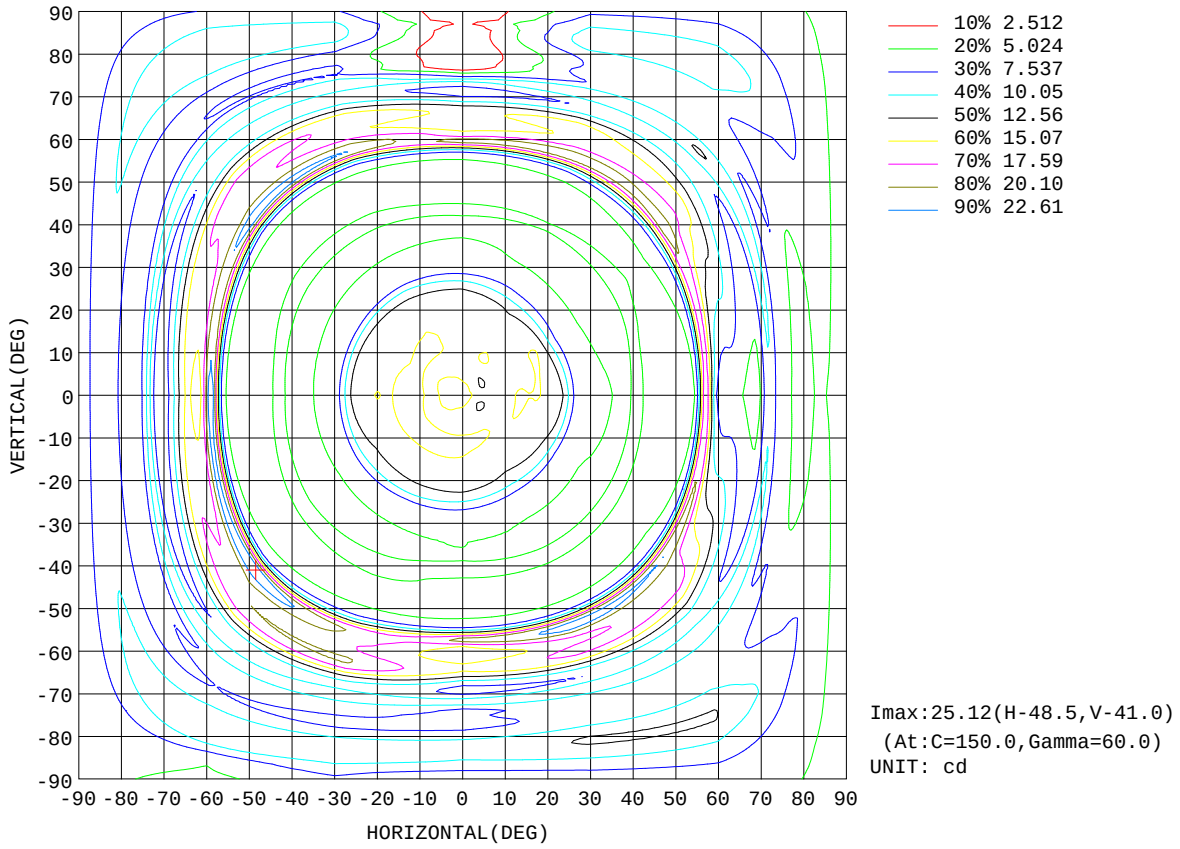
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	13.63	14.84	15.44	15.27	16.00	14.25	13.71	14.61	0- 10	1.354	1.354	2.35,2.35
20	14.46	12.94	14.11	14.15	15.19	14.09	14.68	14.03	10- 20	4.149	5.503	9.54,9.54
30	6.784	5.738	6.094	5.660	6.406	6.190	6.272	5.885	20- 30	4.689	10.19	17.7,17.7
40	5.510	5.286	5.736	4.028	4.204	4.029	4.376	4.011	30- 40	3.093	13.28	23,23
50	3.594	4.193	4.185	4.044	3.369	3.933	3.837	4.201	40- 50	3.549	16.83	29.2,29.2
60	6.431	18.84	13.27	22.31	20.99	20.75	20.62	20.49	50- 60	8.586	25.42	44.1,44.1
70	5.381	9.600	7.242	9.878	6.087	11.80	7.600	8.299	60- 70	14.28	39.70	68.8,68.8
80	3.644	11.10	9.090	8.298	6.628	7.014	0	8.663	70- 80	8.833	48.53	84.1,84.1
90	4.323	6.441	5.191	5.677	5.573	7.795	0	6.779	80- 90	9.147	57.68	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

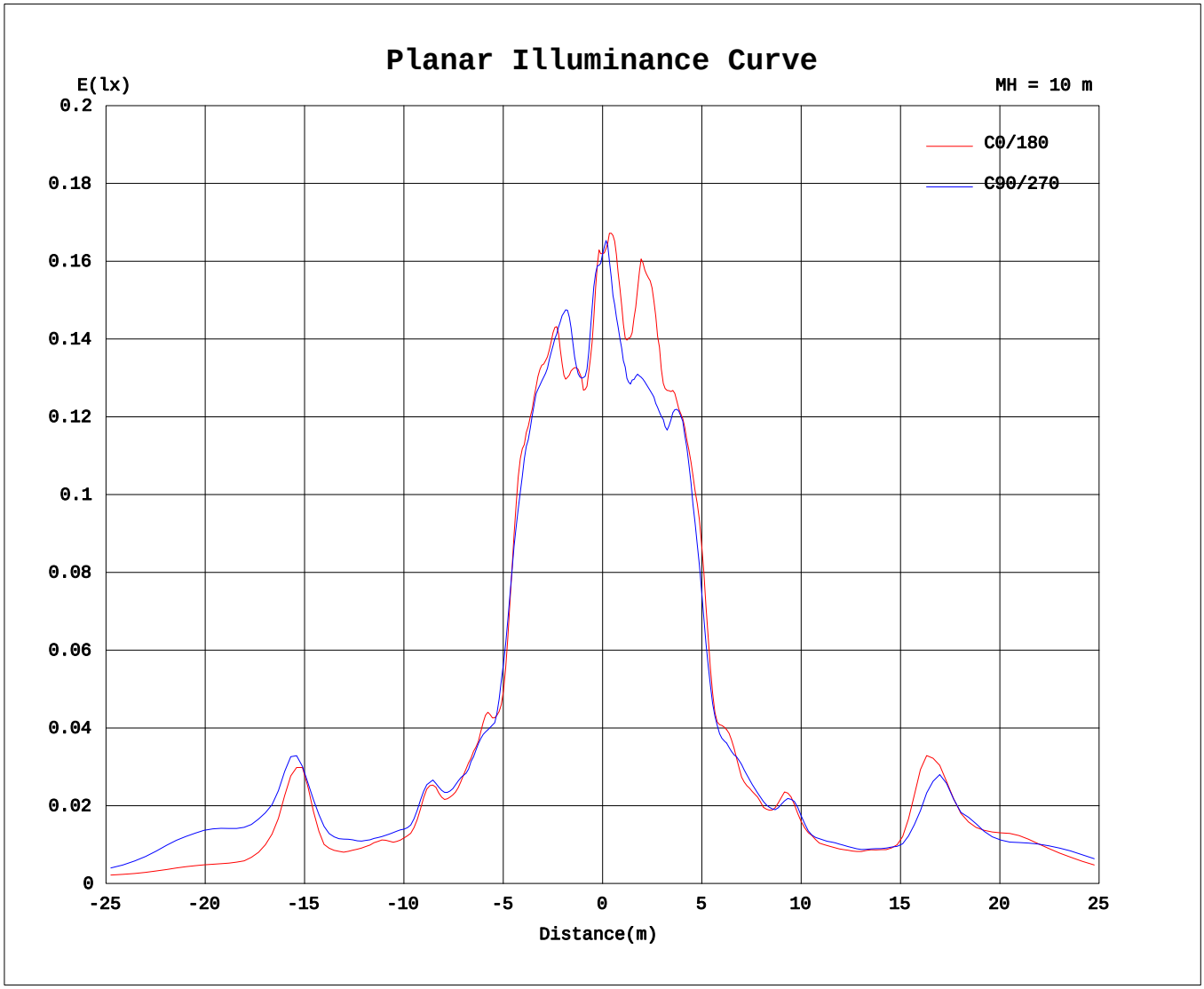
Test:U:23.954V I:0.0612A P:1.4639W PF:0.9992 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57.679x1 lm		
NAME: LARGE CLEAR GLOBE WW CR90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 11
MFR.: EXC	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

Planar Illuminance Curve



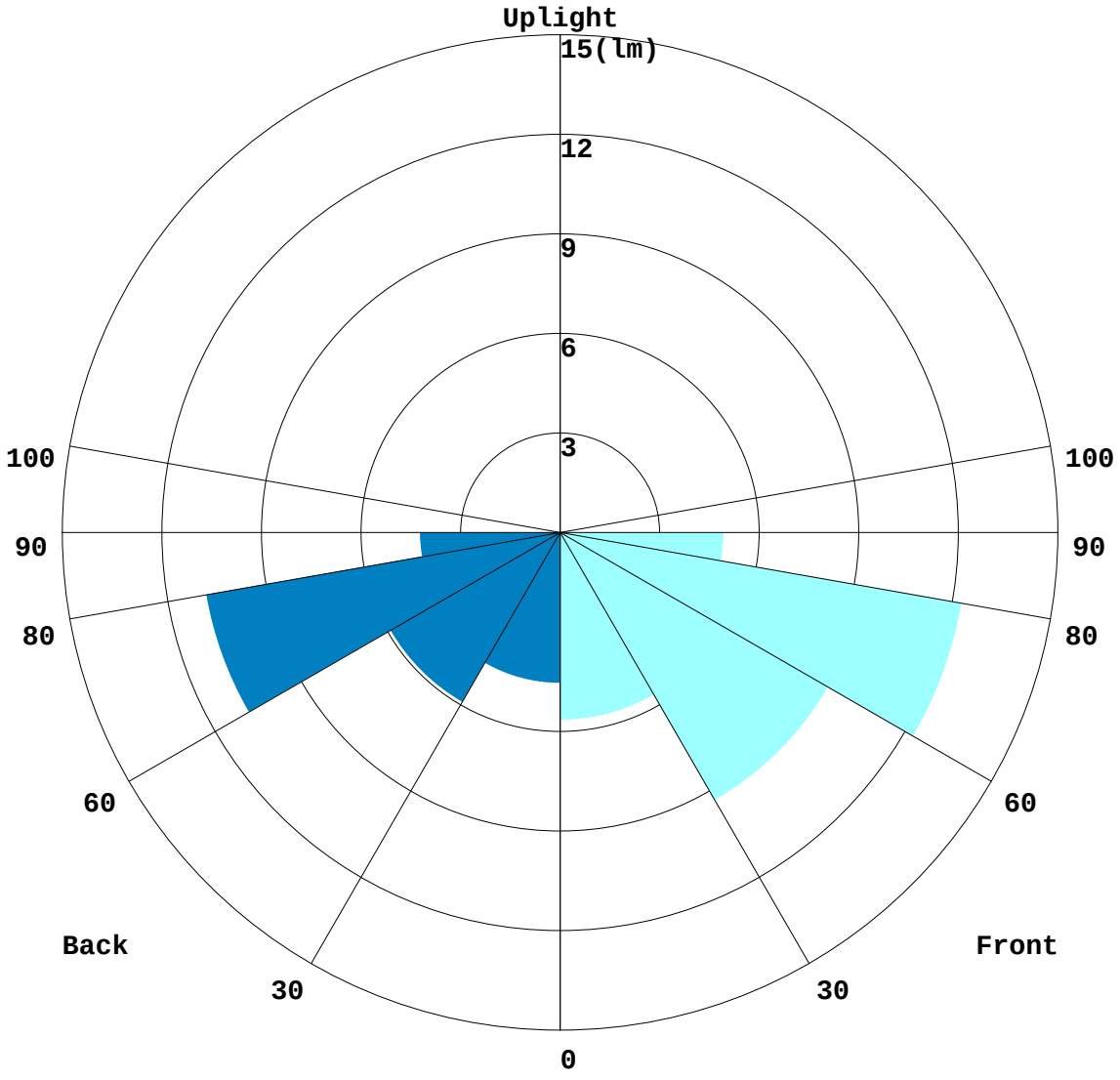
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

LCS REPORT

Test:U:23.954V I:0.0612A P:1.4639W PF:0.9992 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57.679x1 lm		
NAME: LARGE CLEAR GLOBE WW CR90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 11
MFR.: EXC	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

BUG REPORT

Test:U:23.954V I:0.0612A P:1.4639W PF:0.9992 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57.679x1 lm		
NAME: LARGE CLEAR GLOBE WW CR90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 11
MFR.: EXC	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5.6526	9.8
FM - Front-Medium(30-60)	9.3245	16.2
FH - Front-High(60-80)	12.286	21.3
FVH - Front-Very High(80-90)	4.9262	8.5
Total Forward Light	32.189	55.8
BL - Back-Low(0-30)	4.5393	7.9
BM - Back-Medium(30-60)	5.9034	10.2
BH - Back-High(60-80)	10.827	18.8
BVH - Back-Very High(80-90)	4.2204	7.3
Total Back Light	25.49	44.2
UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B0-U0-G0

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	25.49	0	25.49
Street Side	32.189	0	32.189

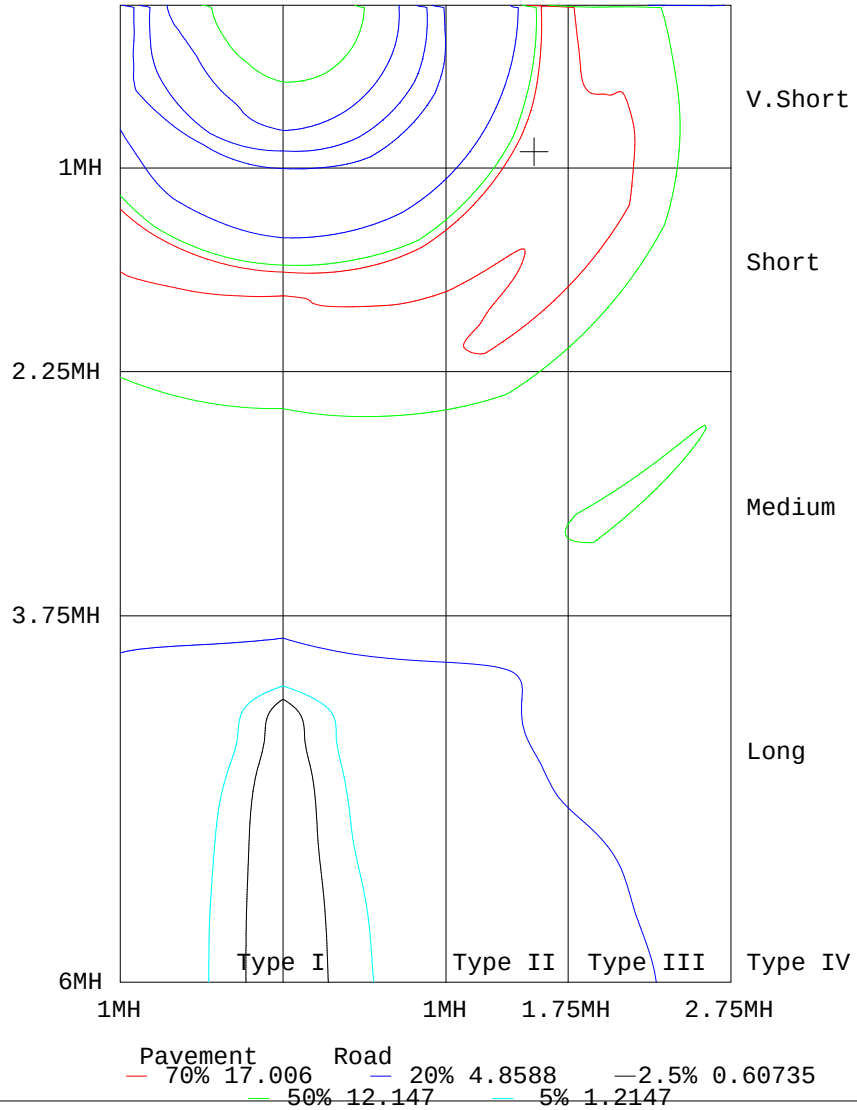
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:23.954V I:0.0612A P:1.4639W PF:0.9992 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57.679x1 lm		
NAME: LARGE CLEAR GLOBE WW CR90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 11
MFR.: EXC	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.954V I:0.0612A P:1.4639W PF:0.9992 Freq:0Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:57.679x1 lm		
NAME: LARGE CLEAR GLOBE WW CR90	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 11
MFR.: EXC	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	16.2	16.1	16.1	16.2	16.4	16.4	16.2	16.1	16.1	16.2	16.4	16.4
5	12.8	12.4	12.7	13.2	14.4	15.3	15.5	16.6	14.9	14.2	12.8	12.4
10	13.6	14.5	15.2	15.4	15.5	15.1	16.0	14.7	13.8	13.7	15.5	13.7
15	15.2	14.6	14.3	14.9	15.2	15.3	16.2	14.9	15.5	13.7	13.5	13.8
20	14.5	13.1	12.8	14.1	14.4	13.9	15.2	13.8	14.4	14.7	13.0	15.1
25	9.71	8.02	8.17	9.97	11.3	11.9	13.6	12.9	12.9	12.4	9.66	7.79
30	6.78	5.69	5.78	6.09	5.47	5.85	6.41	6.00	6.38	6.27	6.07	5.70
35	5.07	4.34	4.31	5.07	4.88	4.48	4.98	5.16	5.33	5.57	4.55	3.70
40	5.51	5.39	5.18	5.74	4.44	3.61	4.20	4.00	4.06	4.38	3.96	4.06
45	3.32	3.97	3.77	3.96	5.74	5.84	4.52	5.95	5.74	4.94	4.61	5.28
50	3.59	4.33	4.06	4.19	4.22	3.87	3.37	4.05	3.82	3.84	3.85	4.55
55	7.14	9.70	9.49	9.41	6.36	5.08	4.64	4.61	4.55	4.86	5.67	8.02
60	6.43	19.2	18.5	13.3	19.5	25.2	21.0	22.5	19.0	20.6	21.8	19.1
65	5.35	15.2	16.2	14.8	20.3	20.1	15.1	19.0	15.3	13.8	16.4	14.0
70	5.38	9.93	9.27	7.24	9.57	10.2	6.09	11.3	12.3	7.60	8.09	8.50
75	5.52	9.65	8.88	7.17	8.09	9.56	7.93	11.5	12.5	6.49	8.16	8.49
80	3.64	11.1	11.1	9.09	8.13	8.47	6.63	7.20	6.82	0.00	7.96	9.37
85	5.07	10.6	10.9	10.4	11.8	11.4	9.35	12.0	11.1	0.00	11.6	11.0
90	4.32	6.34	6.55	5.19	7.01	4.34	5.57	7.71	7.88	0.00	7.03	6.53

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature:24.3℃
Operators:0
Test Date:2025-09-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
Humidity:42%
Test Distance:14.700m [K=1.0000]
Remarks: