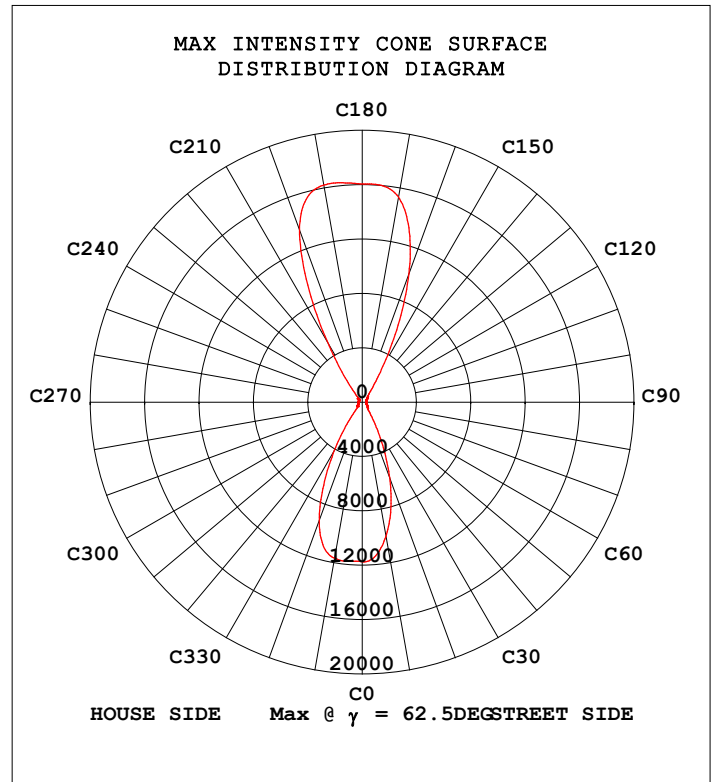
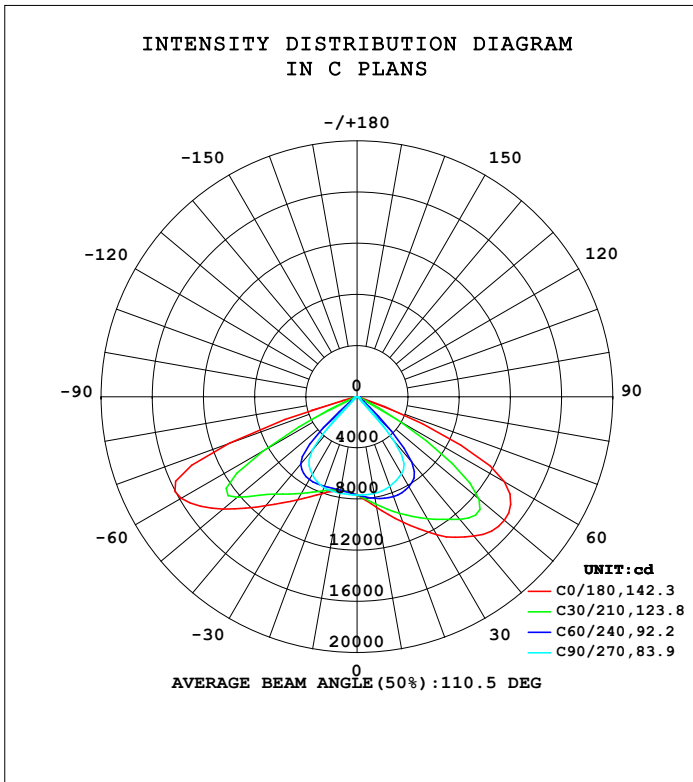


**STREETLIGHT PHOTOMETRIC TEST REPORT**

NAME: 98Prague250SMD	TYPE: 98Prague250SMD	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	98Prague250SMD	Imax (cd)	16224	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	250	LOR (%)	100.7	$\eta$ street_down (%)	48.0
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	28208	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	28000	MAXIMUM @ (C, $\gamma$ )	190, 62.5	$\eta$ house_down (%)	52.8
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	$\eta$ down (%)	100.7	SLI	17.506

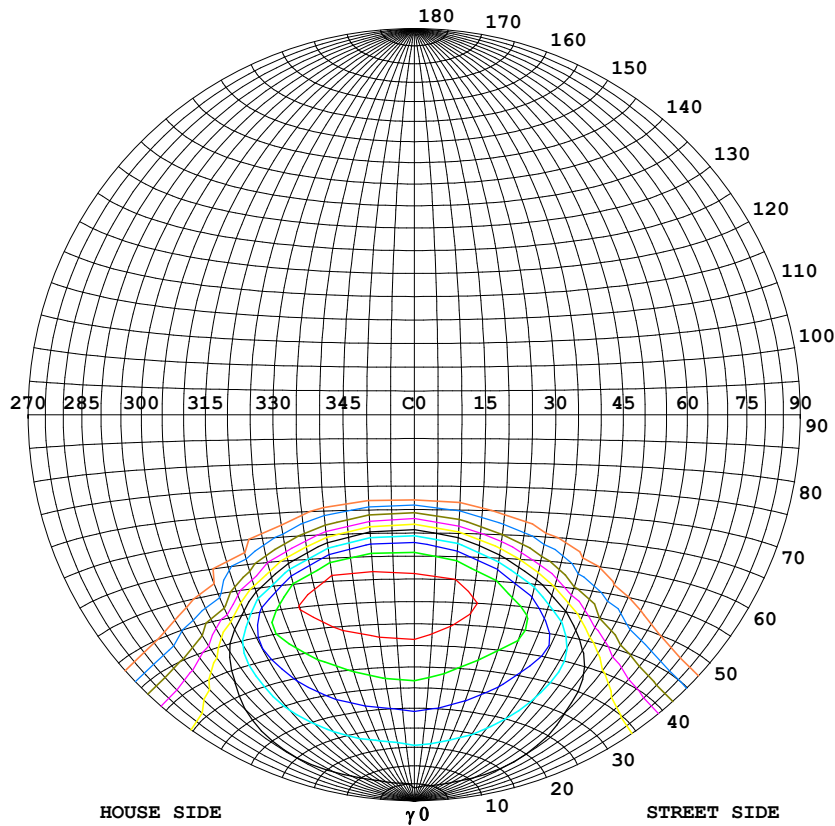


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 22 August 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

# STREETLIGHT ISOCANDELA DIAGRAM

NAME: 98Prague250SMD	TYPE: 98Prague250SMD	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



## Classification:

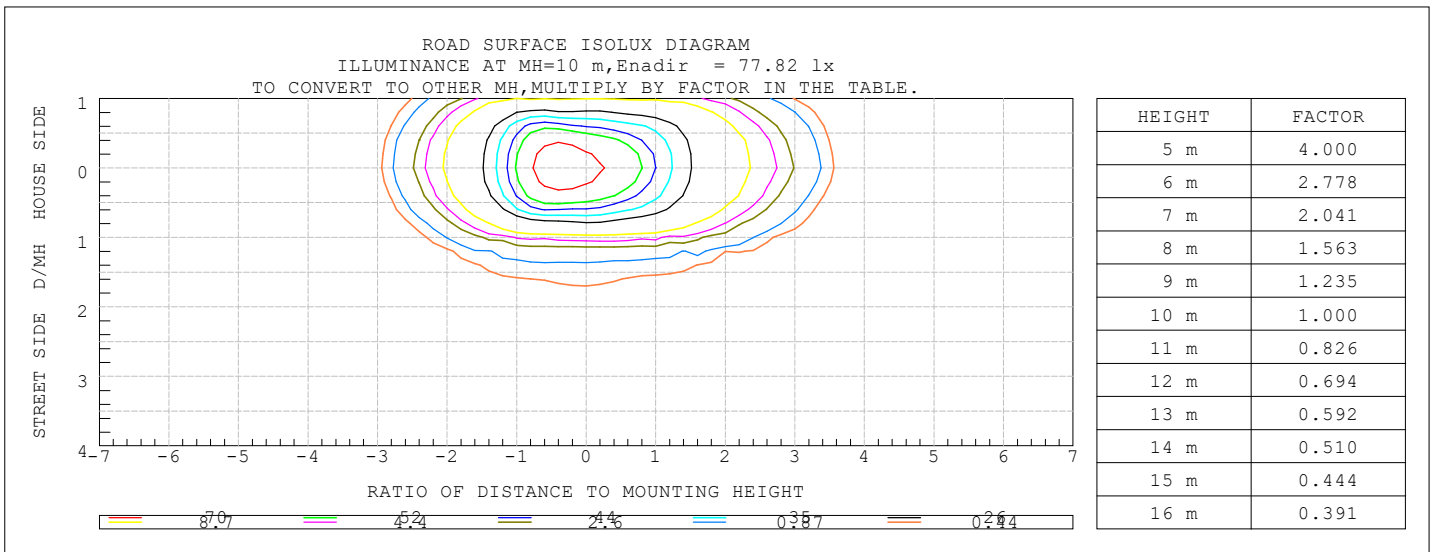
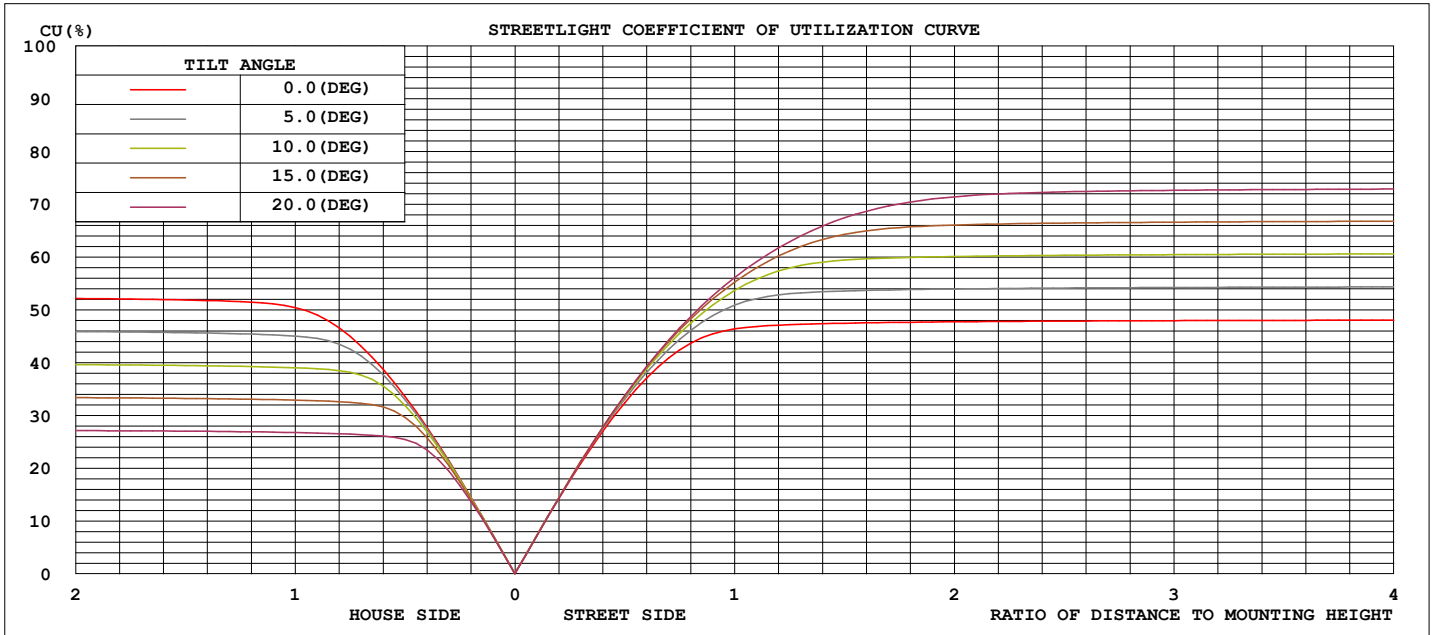
IES:Type I - Short  
CIE:Narrow - Intermediate  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:11.62cd/klm  
Max.At90:1.135cd/klm  
Max.80-90:11.62cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	16224
90%	14602
80%	12980
70%	11357
60%	9735
50%	8112
40%	6490
30%	4867
20%	3245
10%	1622
5%	811

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:22 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

# COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3°C  
Operators:  
Test Date: 22 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity: 65.0%  
Test Distance: 6.265m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

NAME: 98Prague250SMD	TYPE: 98Prague250SMD	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

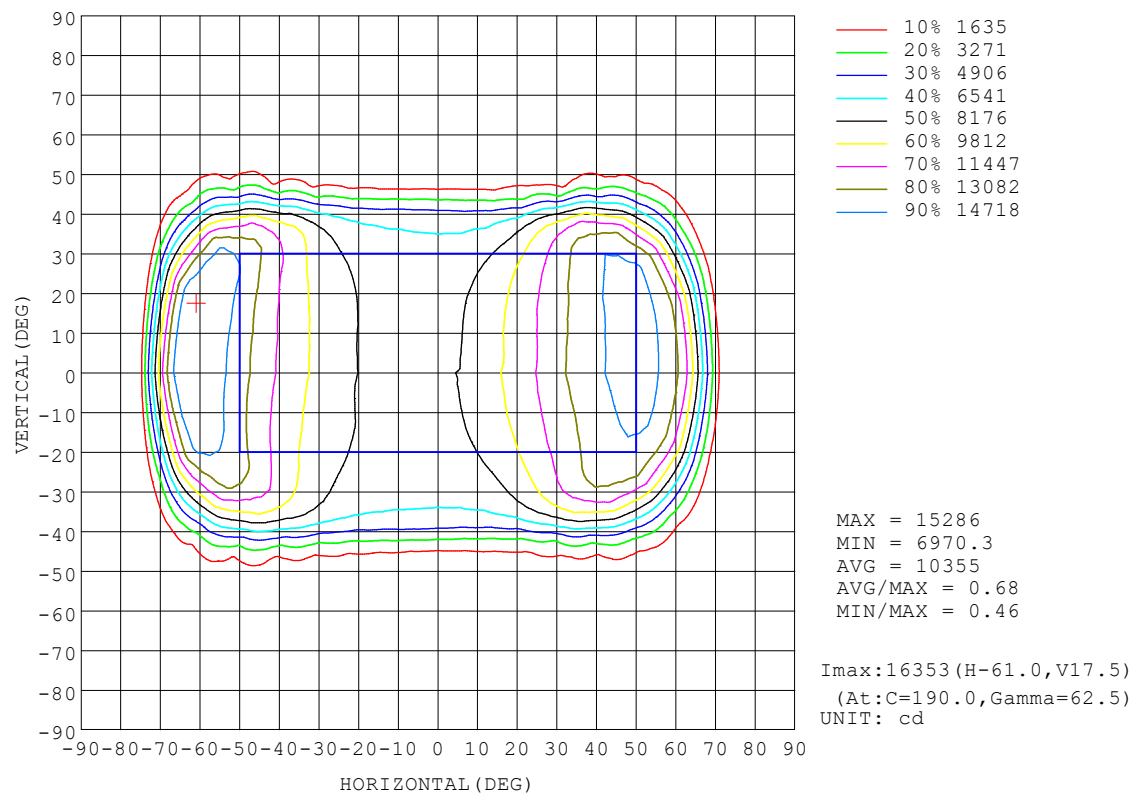
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	878.0	830.2	769.1	749.2	745.1	740.0	766.7	836.0	0- 10	743.6	743.6	2.64,2.66
20	1042	901.7	746.4	772.3	806.2	763.2	755.8	934.5	10- 20	2313	3057	10.8,10.9
30	1246	963.3	695.3	797.4	931.3	809.3	700.9	1036	20- 30	4029	7086	25.1,25.3
40	1422	1003	454.5	812.9	1112	848.6	541.1	1124	30- 40	5728	12814	45.4,45.8
50	1504	568.6	51.15	566.5	1365	720.0	54.80	884.8	40- 50	6366	19180	68,68.5
60	1330	79.02	32.72	77.15	1590	87.93	33.30	147.4	50- 60	5475	24655	87.4,88.1
70	233.4	31.68	23.27	33.92	1063	31.29	22.62	34.31	60- 70	3008	27664	98.1,98.8
80	9.863	11.79	14.45	13.42	32.55	13.37	14.10	11.24	70- 80	473.2	28137	99.7,100
90	3.178	1.130	0.2328	0.9676	1.874	0.5576	0.2646	0.7637	80- 90	70.75	28208	100,101
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:X10cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:22 August 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

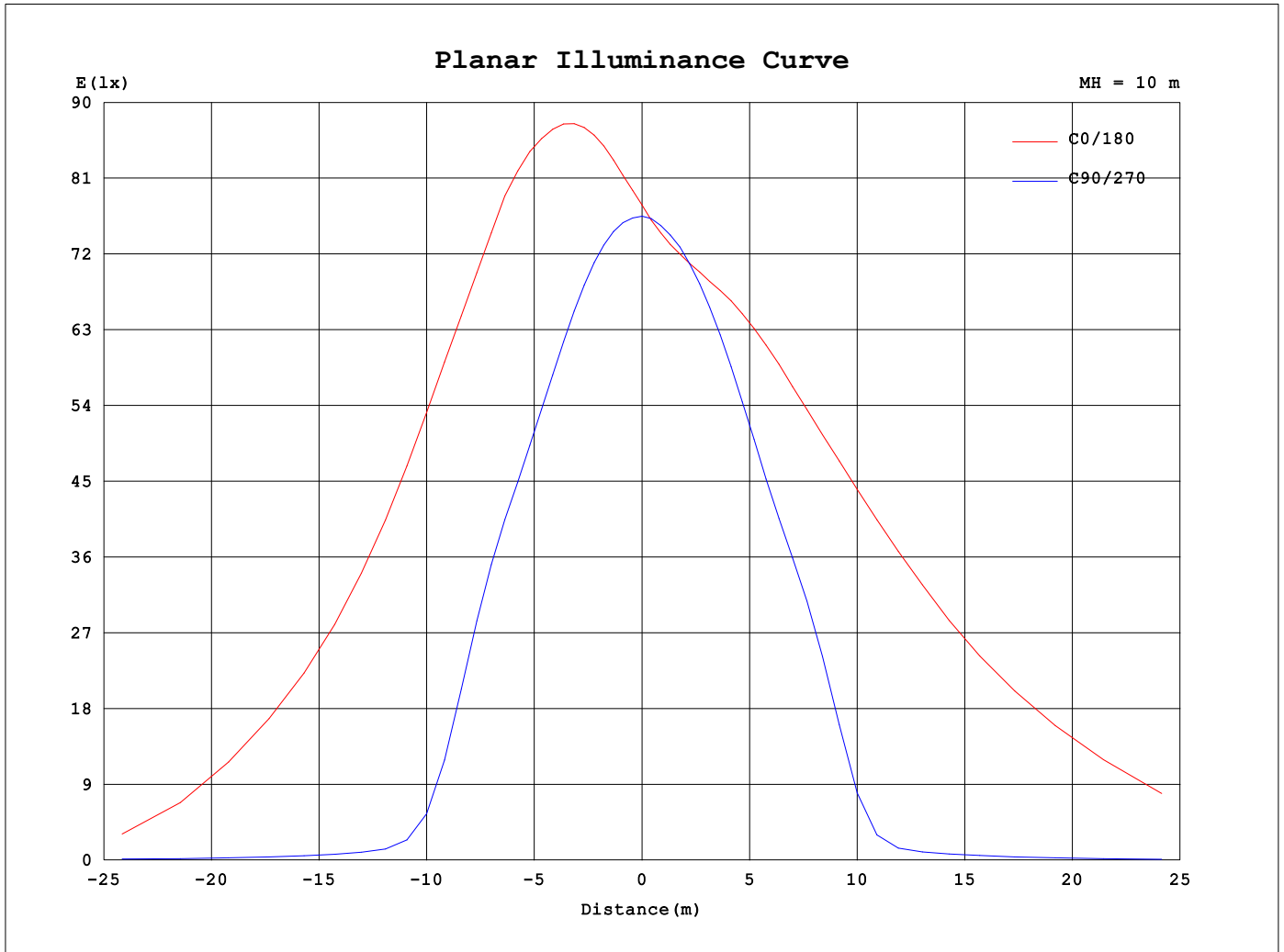
NAME: 98Prague250SMD	TYPE: 98Prague250SMD	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:22 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:

# Planar Illuminance Curve

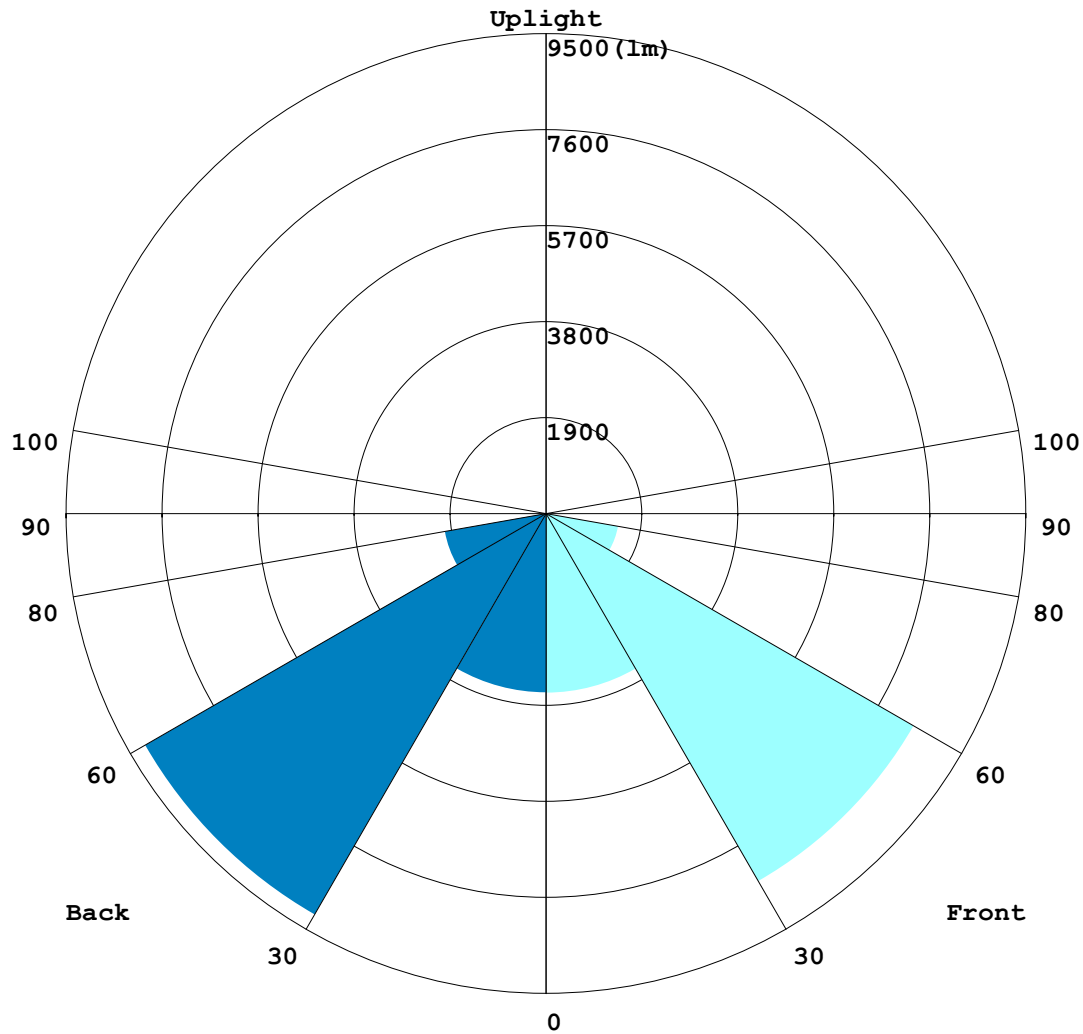


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 22 August 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

**LCS REPORT**

NAME: 98Prague250SMD	TYPE: 98Prague250SMD	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH**


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 22 August 2022

γ Range: 0 - 90DEG  
 γ Interval: 2.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
 Humidity: 65.0%  
 Test Distance: 6.265m [K=1.0000]  
 Remarks:

### BUG REPORT

NAME: 98Prague250SMD	TYPE: 98Prague250SMD	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3547.7	12.6
FM - Front-Medium(30-60)	8404.8	29.8
FH - Front-High(60-80)	1447.3	5.1
FVH - Front-Very High(80-90)	35.542	0.1
Total Forward Light	13435	47.6

BL - Back-Low(0-30)	3538.1	12.5
BM - Back-Medium(30-60)	9164.7	32.5
BH - Back-High(60-80)	2034.4	7.2
BVH - Back-Very High(80-90)	35.204	0.1
Total Back Light	14772	52.4

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	B5-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14772	0	14772
Street Side	13435	0	13435

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:22 August 2022

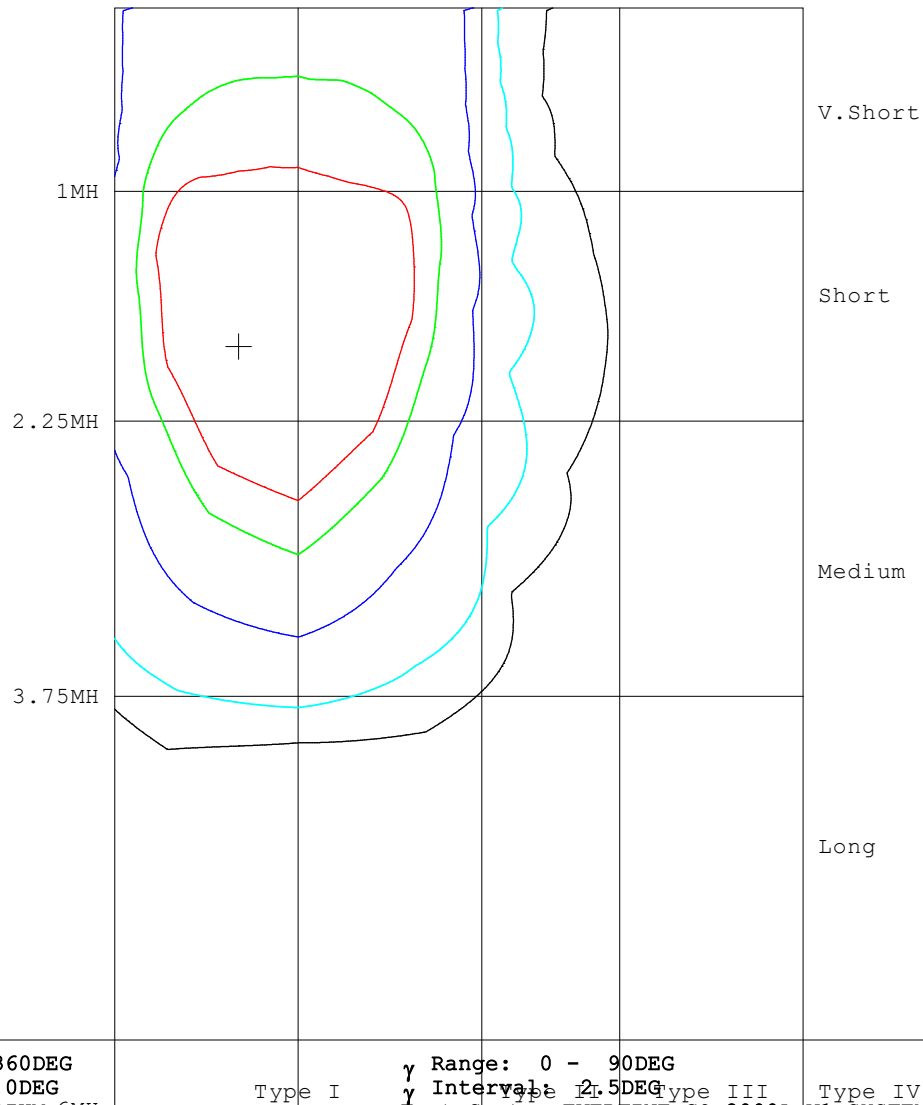
γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME: 98Prague250SMD	TYPE: 98Prague250SMD	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM 6MH  
Temperature: 25.3°C  
Operators:  
Test Date: 22 August 2022

γ Range: 0 - 90DEG  
γ Interval: 2.5DEG

Test System: EVERFINE GO-2000A-V1 SYSTEM V2.00.456

Humidity: 65.0% 1.75MH 2.75MH

Test Distance: 6.265m [K=1.0000]

Remarks:

70% 11476

Road 20% 5276.9

50% 8197.2

5% 819.72

```

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

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γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```