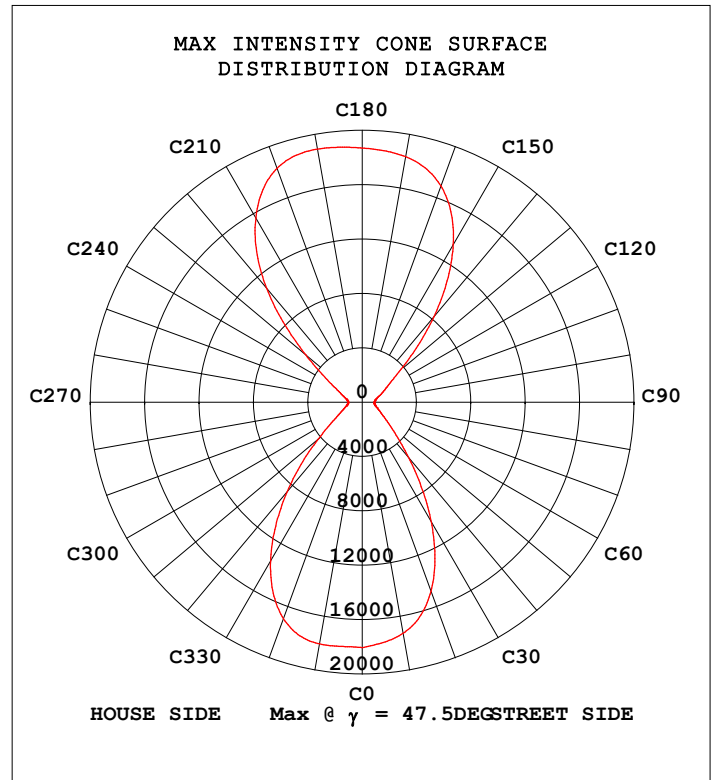
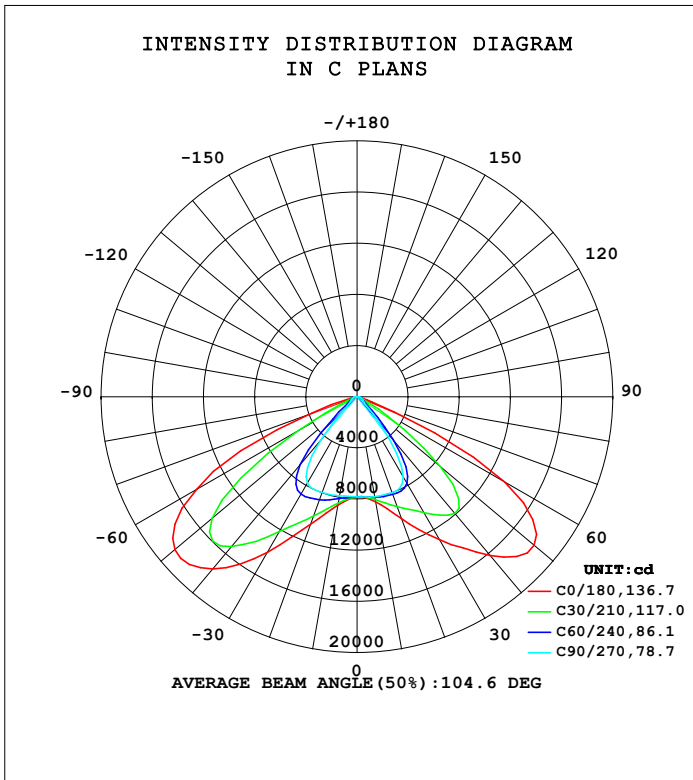


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague250/W	TYPE: 98Prague250/W	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	98Prague250/W	Imax (cd)	18913	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	250	LOR (%)	102.7	$\eta$ street_down (%)	48.3
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	28753	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	28000	MAXIMUM @ (C, $\gamma$ )	190,47.5	$\eta$ house_down (%)	54.4
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	$\eta$ down (%)	102.7	SLI	17.727

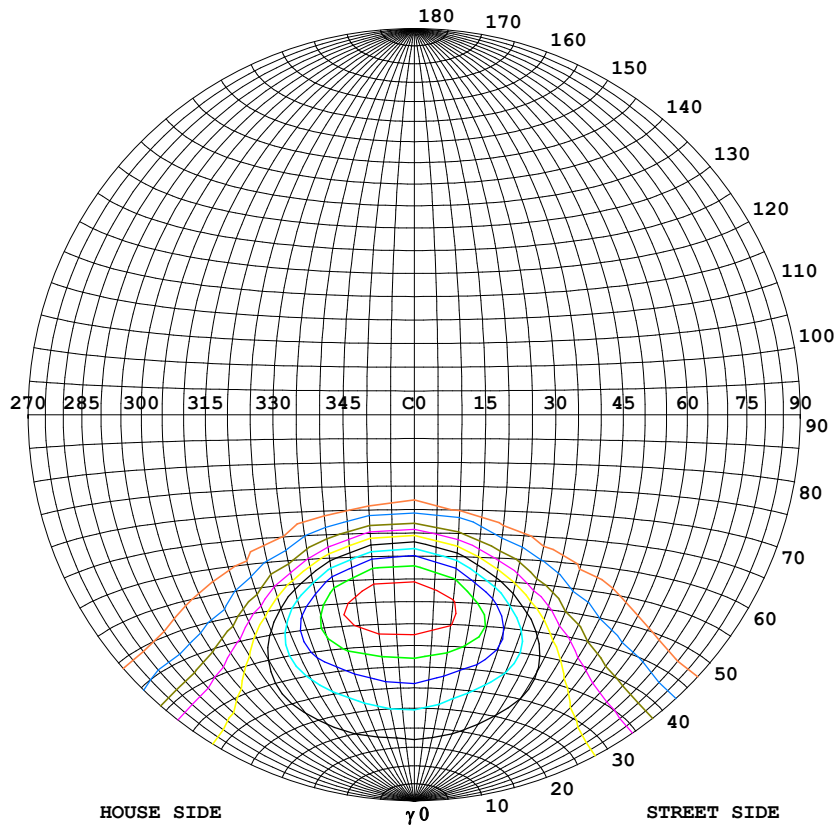


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 22 August 2022

$\gamma$  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: 98Prague250/W	TYPE: 98Prague250/W	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



## Classification:

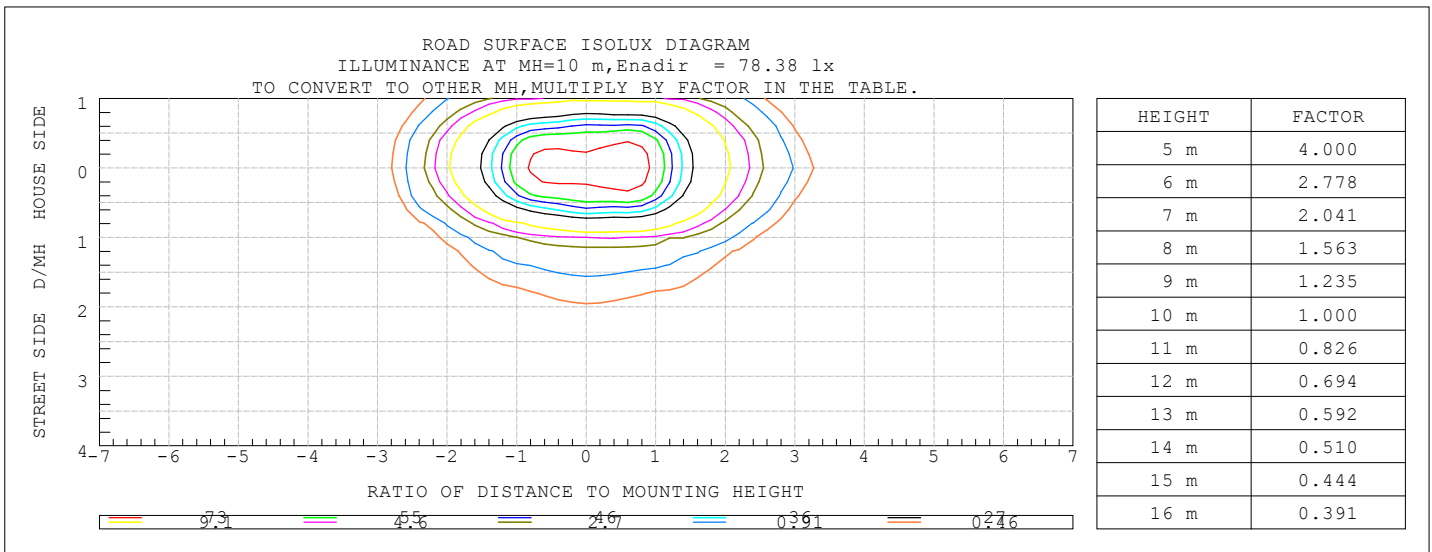
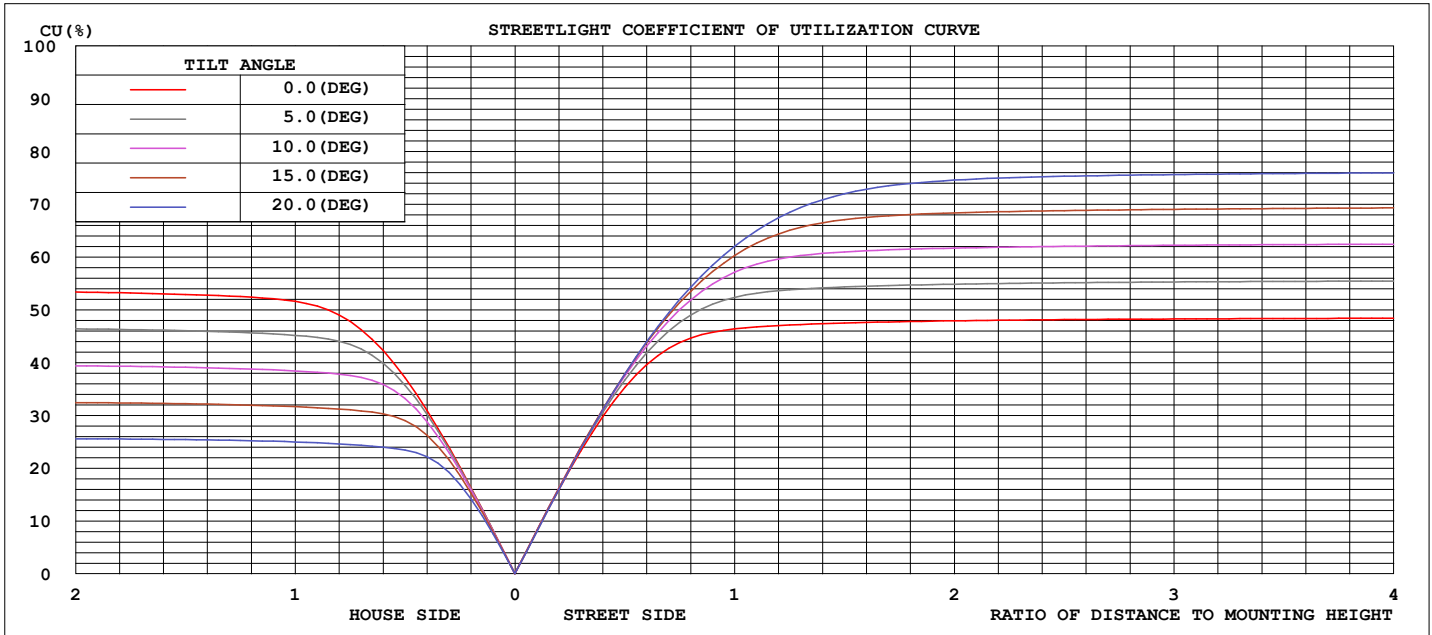
IES:Type I - Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:11.57cd/klm  
Max.At90:0.9318cd/klm  
Max.80-90:11.57cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	18913
90%	17022
80%	15131
70%	13239
60%	11348
50%	9457
40%	7565
30%	5674
20%	3783
10%	1891
5%	946

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
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: HIGH  
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:

## ZONAL FLUX DIAGRAM

NAME: 98Prague250/W	TYPE: 98Prague250/W	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

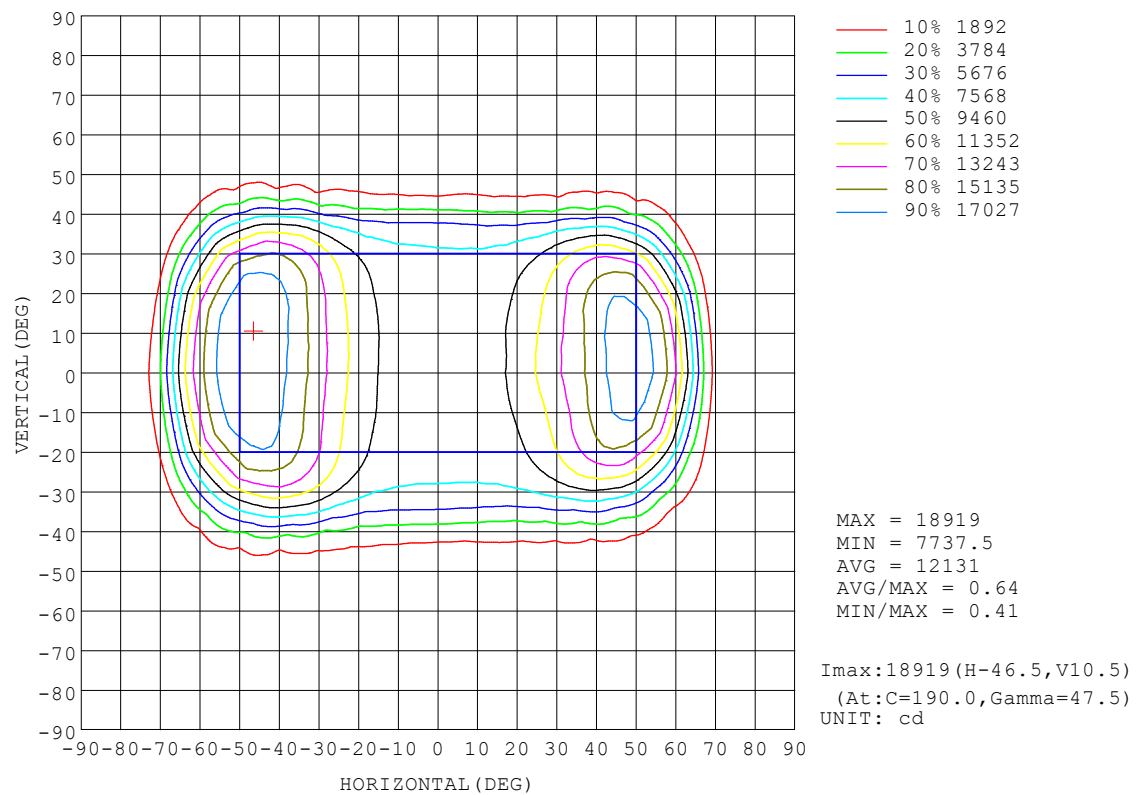
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	833.4	806.9	794.6	832.3	860.1	825.8	787.6	806.1	0- 10	764.5	764.5	2.66,2.73
20	1014	854.7	799.9	907.9	1060	920.5	796.8	887.0	10- 20	2445	3210	11.2,11.5
30	1288	896.4	722.8	997.1	1404	1035	778.5	968.9	20- 30	4446	7655	26.6,27.3
40	1620	762.2	283.6	954.2	1756	1099	442.8	949.9	30- 40	6392	14047	48.9,50.2
50	1806	283.2	75.34	440.4	1860	633.1	84.06	471.3	40- 50	6837	20884	72.6,74.6
60	1331	79.98	52.72	100.1	1444	109.3	55.78	91.45	50- 60	5221	26106	90.8,93.2
70	130.3	43.93	38.43	54.02	376.3	54.63	39.54	50.14	60- 70	2124	28230	98.2,101
80	10.82	14.13	24.55	20.50	20.90	23.83	26.20	15.58	70- 80	425.1	28655	99.7,102
90	2.609	0.8917	0.3345	0.7383	1.631	0.5198	0.4937	0.6707	80- 90	97.89	28753	100,103
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: HIGH  
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

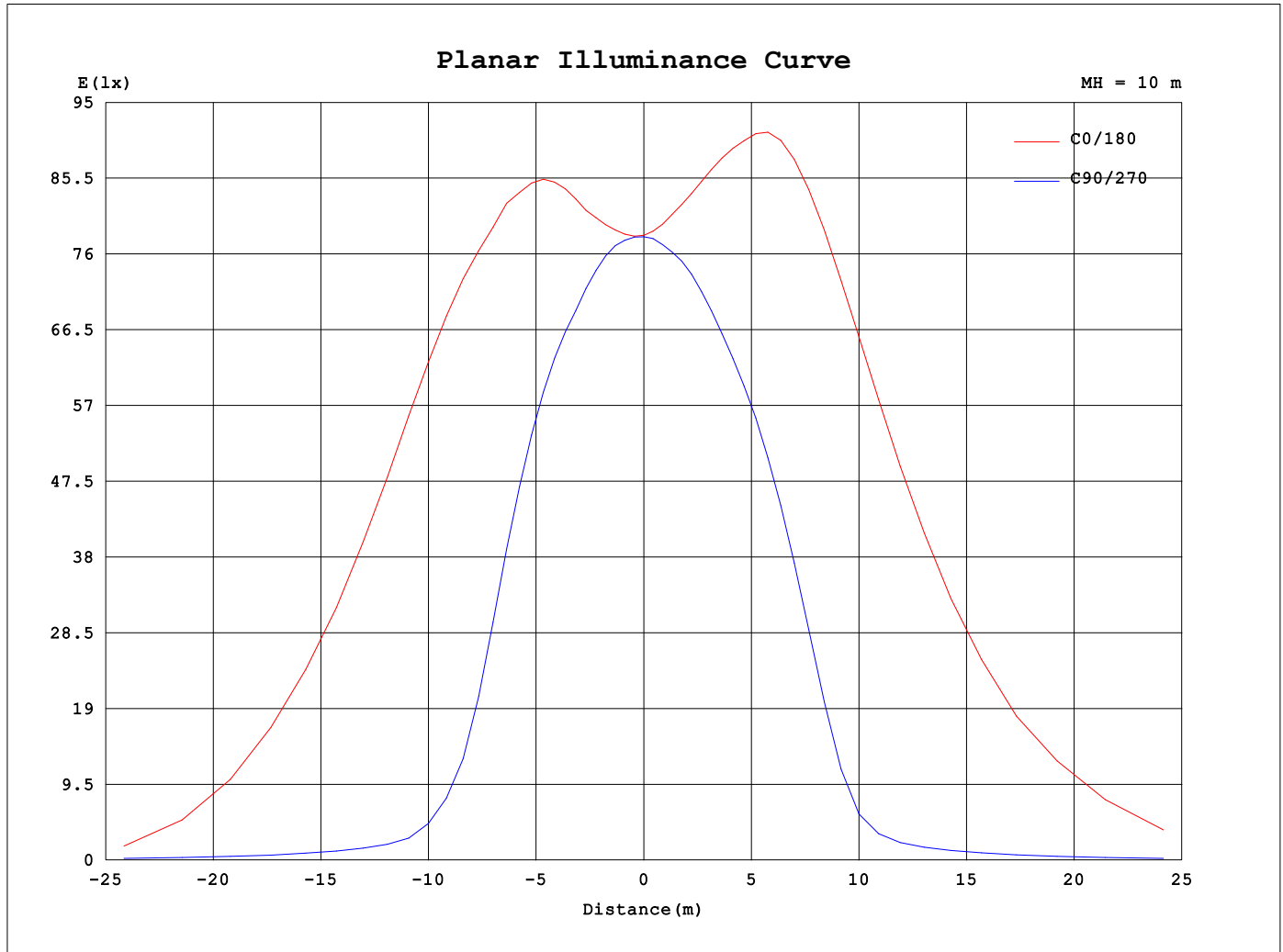
NAME: 98Prague250/W	TYPE: 98Prague250/W	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
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

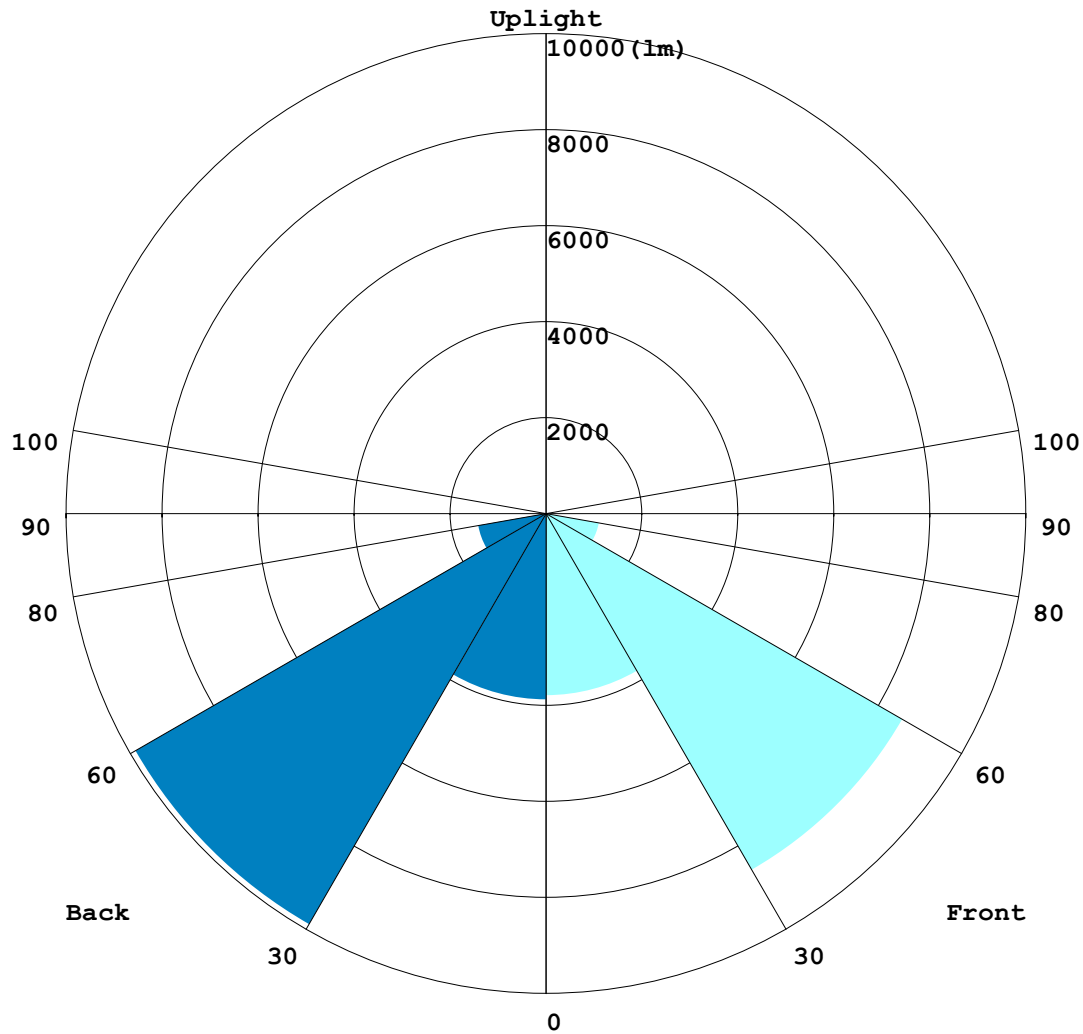


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 22 August 2022

$\gamma$  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: 98Prague250/W	TYPE: 98Prague250/W	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: HIGH  
 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: 98Prague250/W	TYPE: 98Prague250/W	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)	3785.3	13.2
FM - Front-Medium(30-60)	8573.5	29.8
FH - Front-High(60-80)	1116.7	3.9
FVH - Front-Very High(80-90)	43.947	0.2
Total Forward Light	13520	47.0

BL - Back-Low(0-30)	3870.1	13.5
BM - Back-Medium(30-60)	9876.8	34.4
BH - Back-High(60-80)	1432.7	5.0
BVH - Back-Very High(80-90)	53.948	0.2
Total Back Light	15234	53.0

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
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15234	0	15234
Street Side	13520	0	13520

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

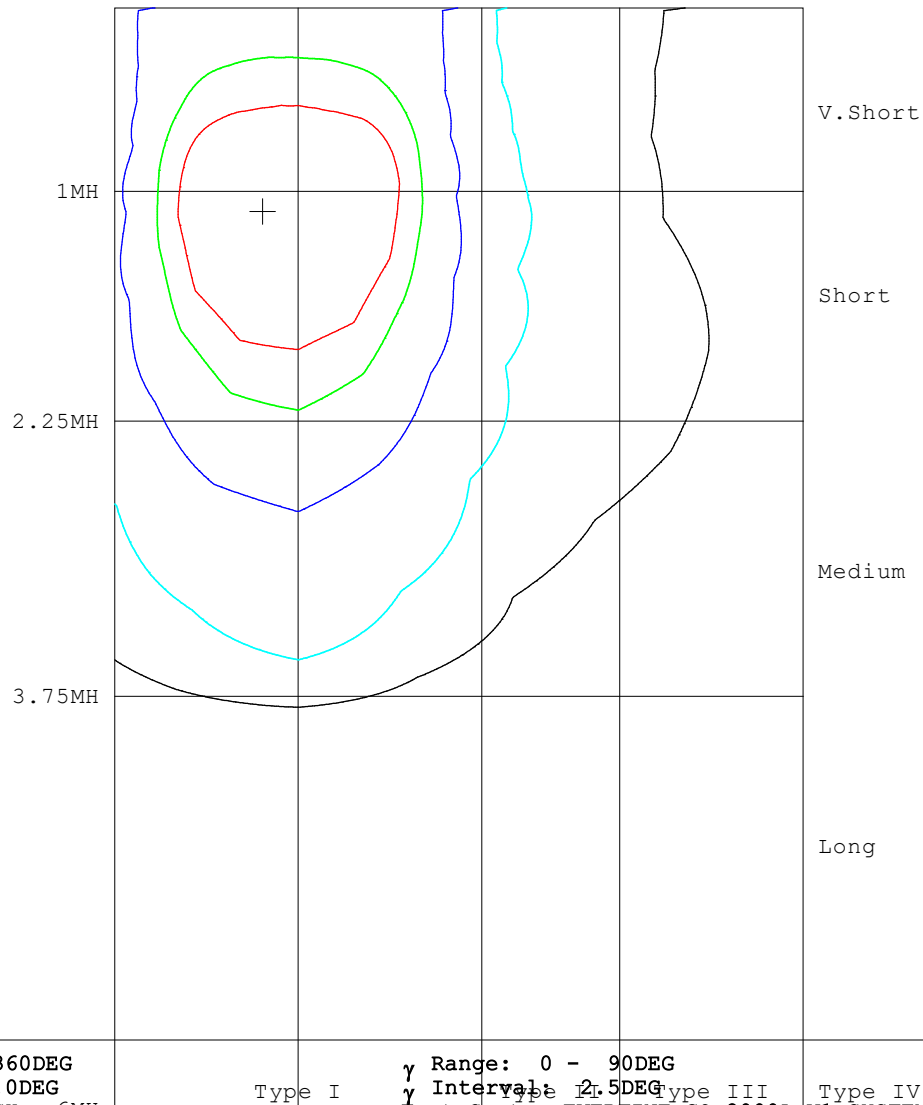
γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME: 98Prague250/W	TYPE: 98Prague250/W	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: HIGH 6MH

Temperature: 25.3°C 1MH

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% 75MH

Test Distance: 6.265m [K=1.0000]

Remarks:

70% 13262 Pavement

20% 9472.6 Road

50% 9472.6 5% 947.26

```

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:

```

```

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:

```