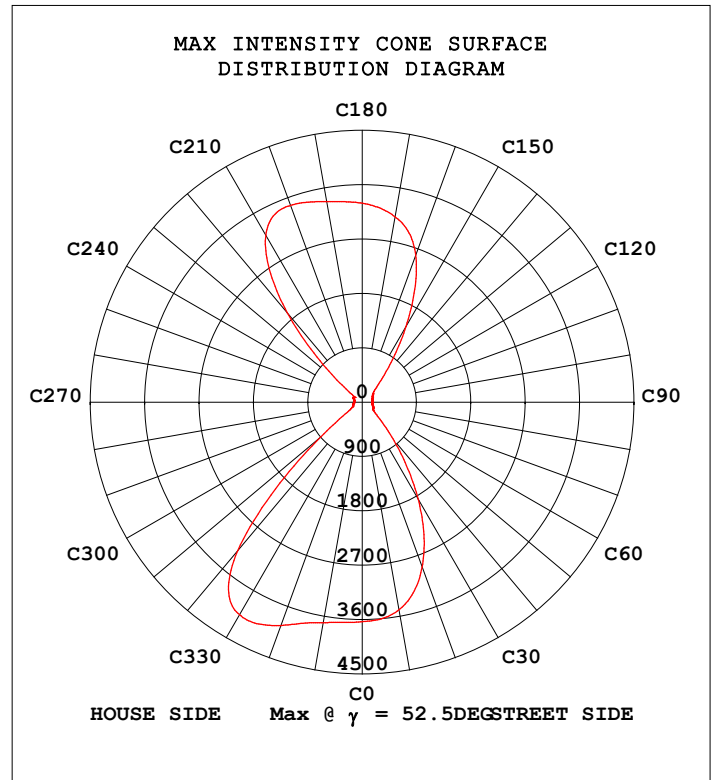
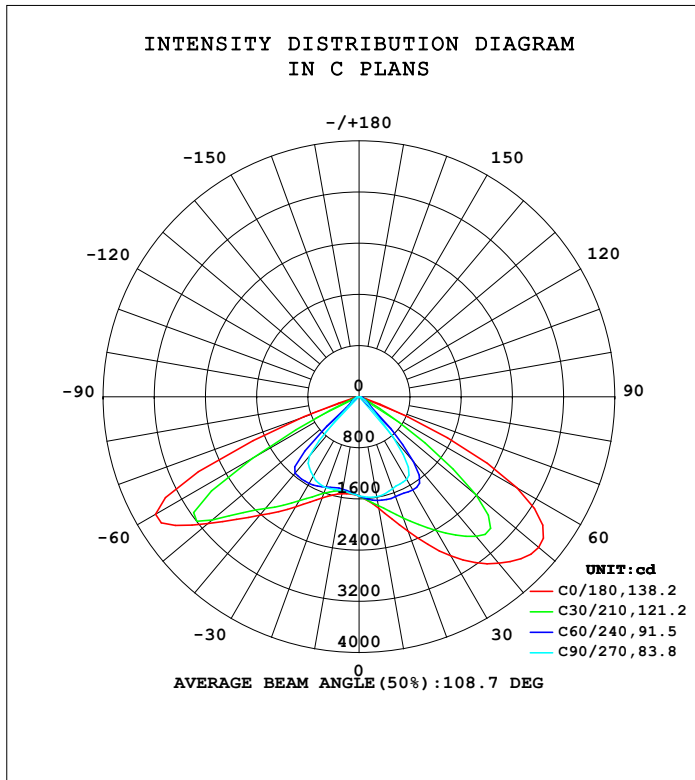


**STREETLIGHT PHOTOMETRIC TEST REPORT**

NAME: 98Prague50/WW	TYPE: 98Prague50/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	98Prague50/WW	Imax (cd)	4062	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	50	LOR(%)	100.3	$\eta$ street_down(%)	44.1
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	6021	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	6000	MAXIMUM @ (C, $\gamma$ )	330,52.5	$\eta$ house_down(%)	56.3
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	230	$\eta$ down(%)	100.3	SLI	15.836

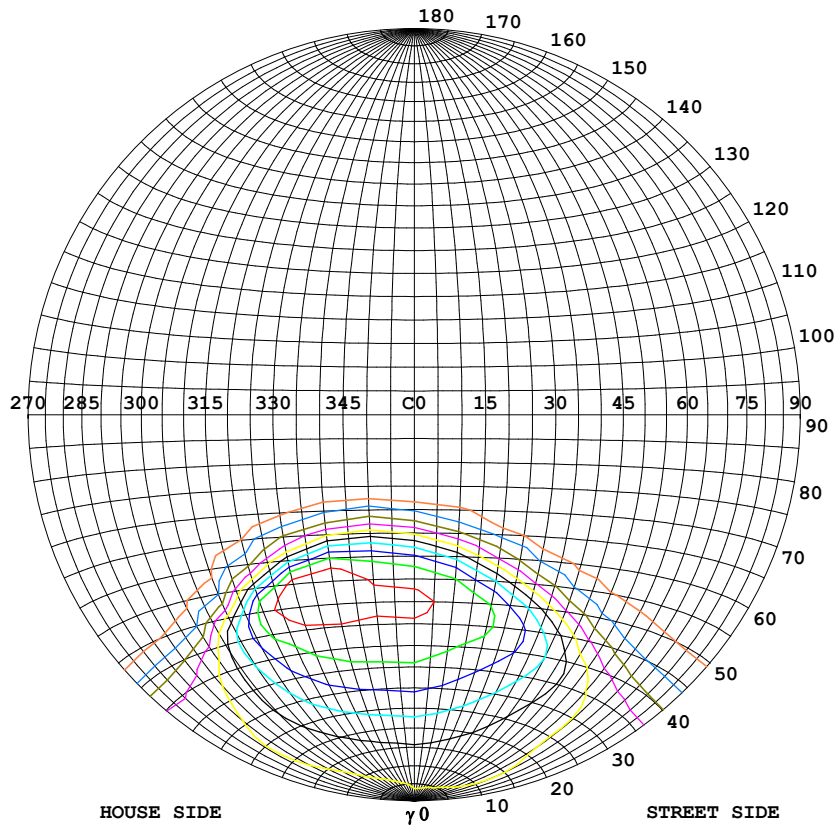


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3°C  
 Operators:  
 Test Date:18 August 2022

$\gamma$  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: 98Prague50/WW	TYPE: 98Prague50/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



## Classification:

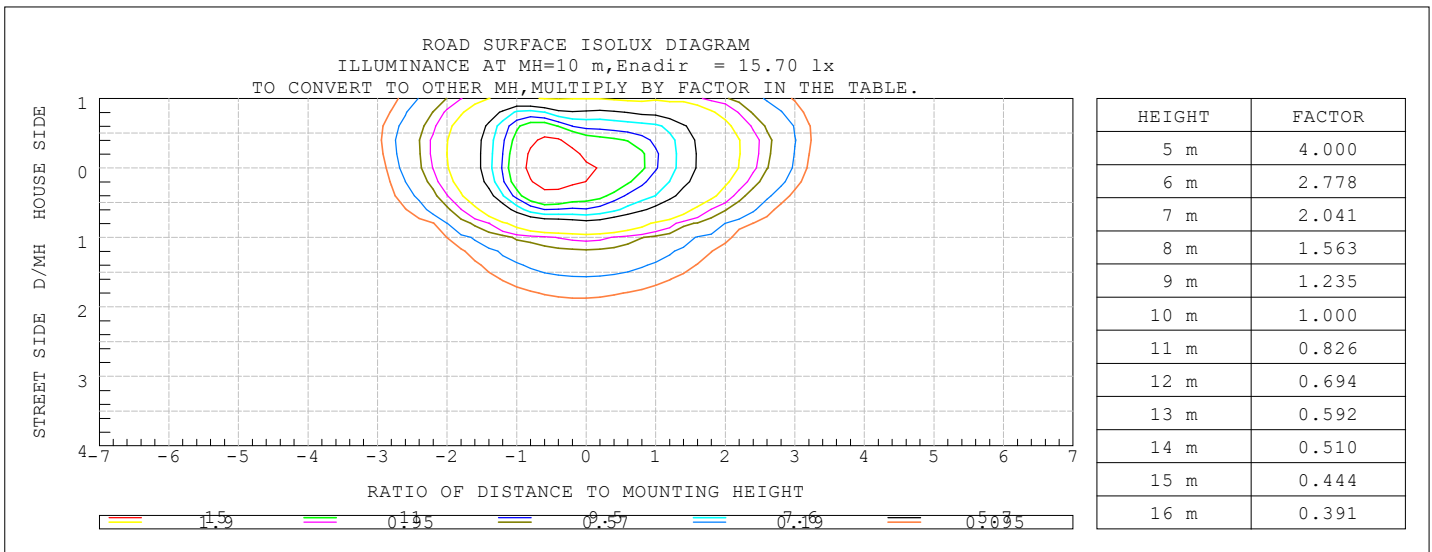
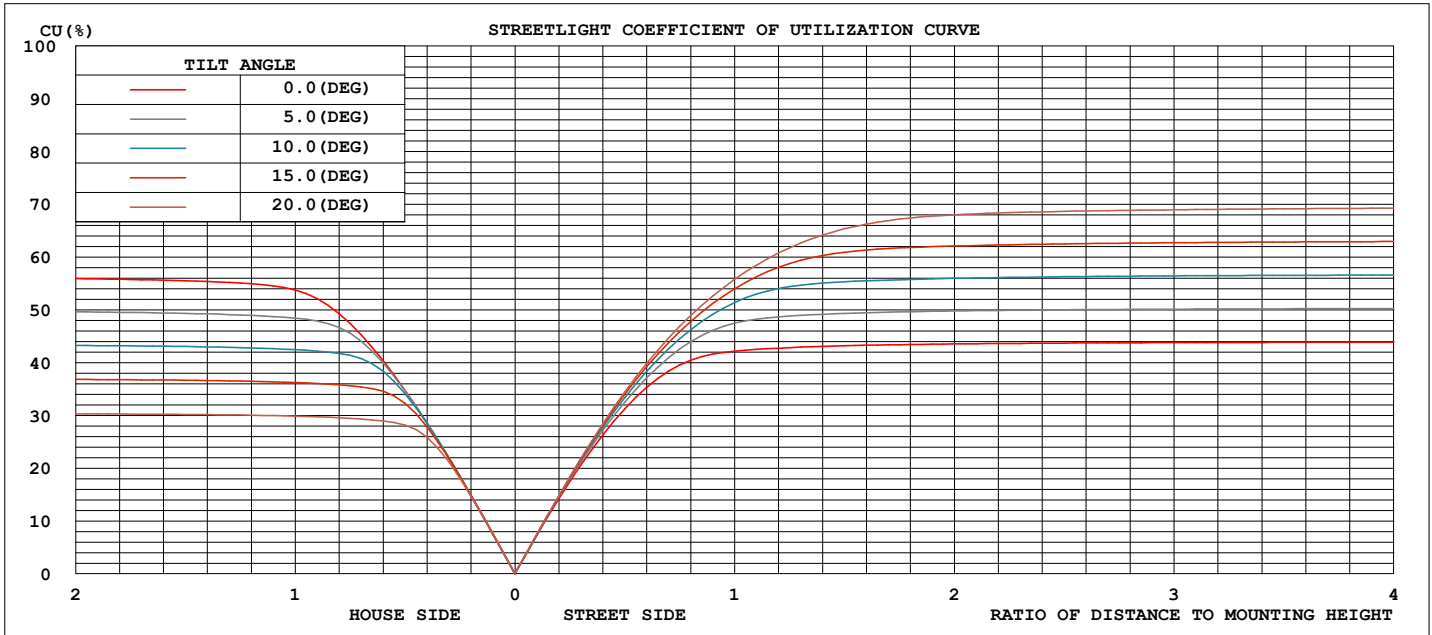
IES:Type I - Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Full cut-off  
 Max.At80:18.49cd/klm  
 Max.At90:1.004cd/klm  
 Max.80-90:18.49cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	4062
90%	3655
80%	3249
70%	2843
60%	2437
50%	2031
40%	1625
30%	1218
20%	812
10%	406
5%	203

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3°C  
 Operators:  
 Test Date:18 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: 18 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: 98Prague50/WW	TYPE: 98Prague50/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

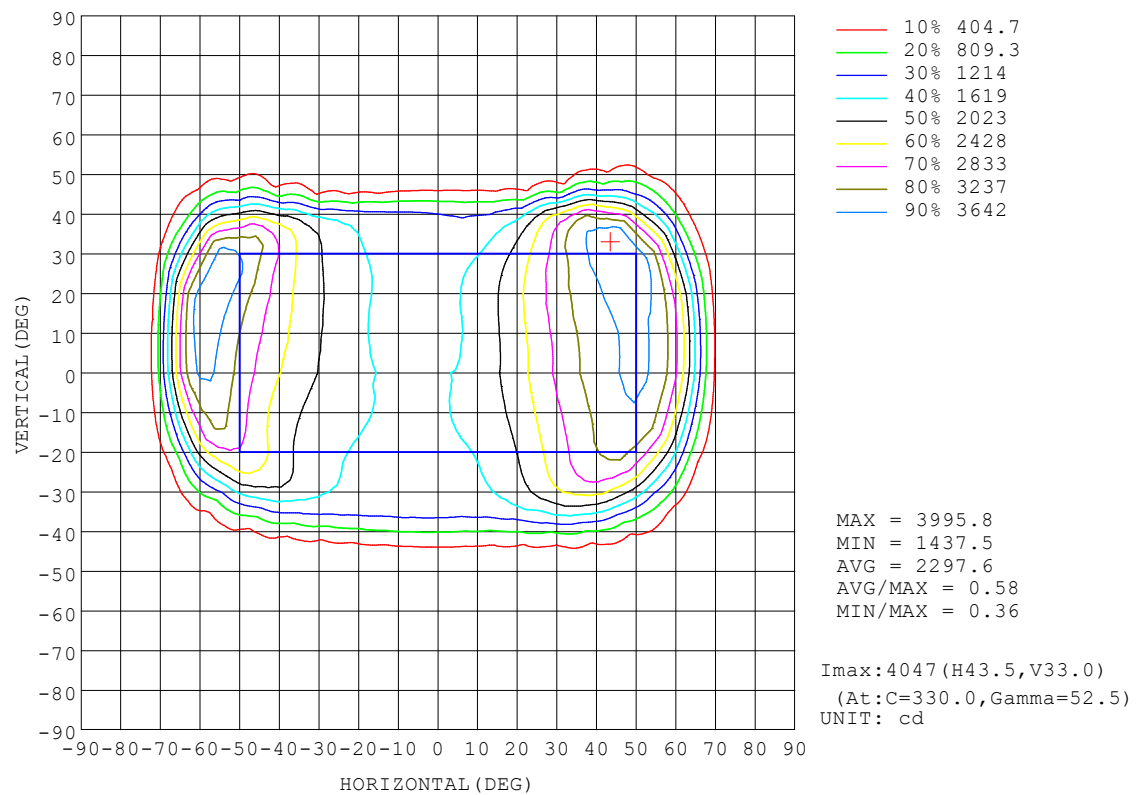
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1769	1685	1588	1568	1540	1478	1495	1655	0- 10	150.4	150.4	2.5,2.51
20	2239	1830	1533	1581	1683	1548	1513	1959	10- 20	472.9	623.4	10.4,10.4
30	2871	2039	1492	1586	1988	1719	1437	2362	20- 30	850.9	1474	24.5,24.6
40	3395	2159	833.0	1599	2418	1910	1212	2735	30- 40	1257	2731	45.4,45.5
50	3667	884.0	193.0	627.9	3082	1600	163.8	2652	40- 50	1422	4153	69,69.2
60	2849	153.6	99.90	153.9	3676	190.7	104.6	433.1	50- 60	1218	5371	89.2,89.5
70	349.7	74.90	44.77	74.26	916.5	76.89	54.16	95.95	60- 70	556.7	5928	98.5,98.8
80	28.23	23.89	21.07	21.71	60.08	28.86	27.28	34.50	70- 80	79.45	6008	99.8,100
90	5.937	2.367	0.5253	2.313	3.767	0.9136	0.8328	0.9880	80- 90	13.25	6021	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: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:18 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

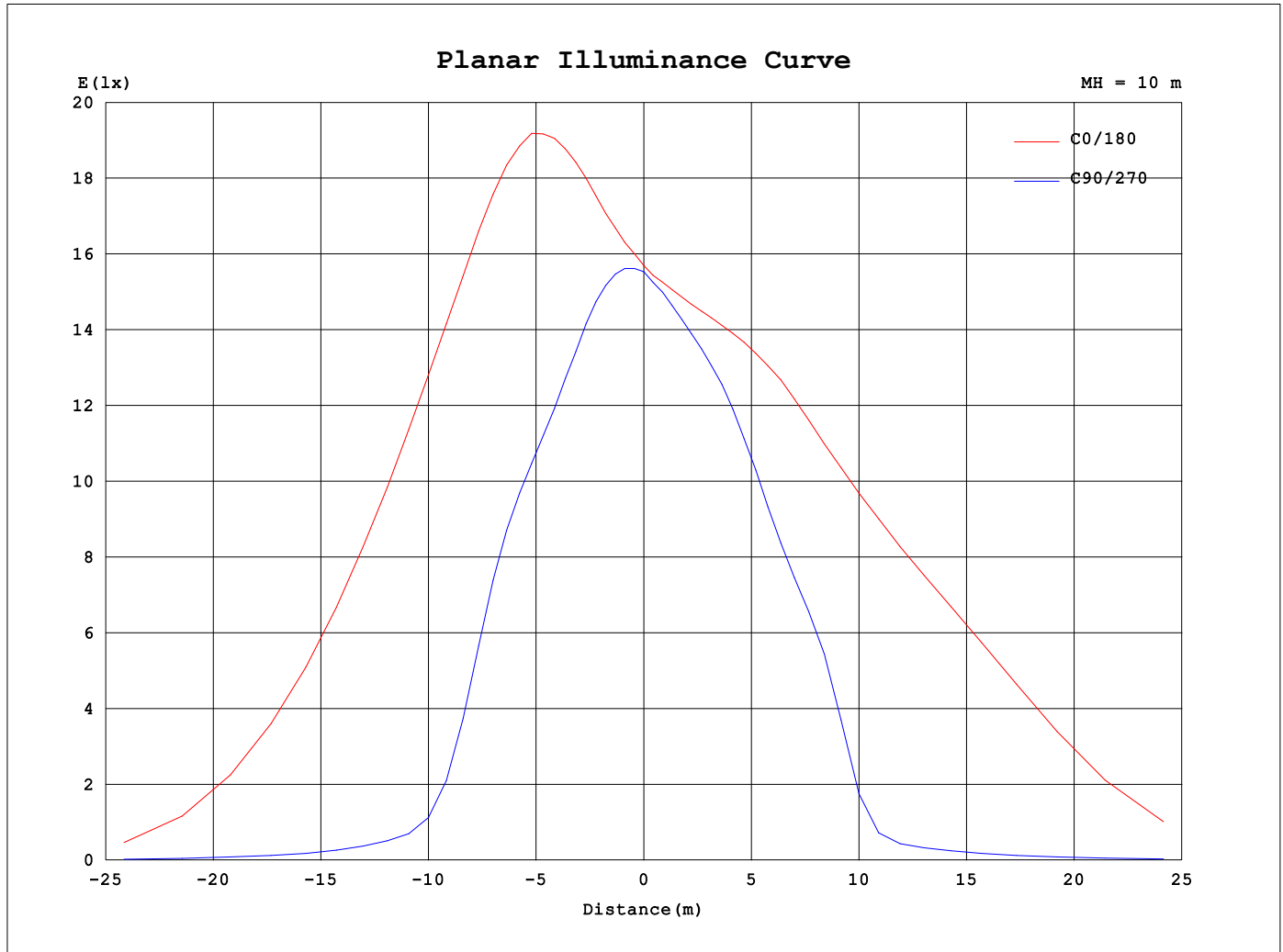
NAME: 98Prague50/WW	TYPE: 98Prague50/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:18 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

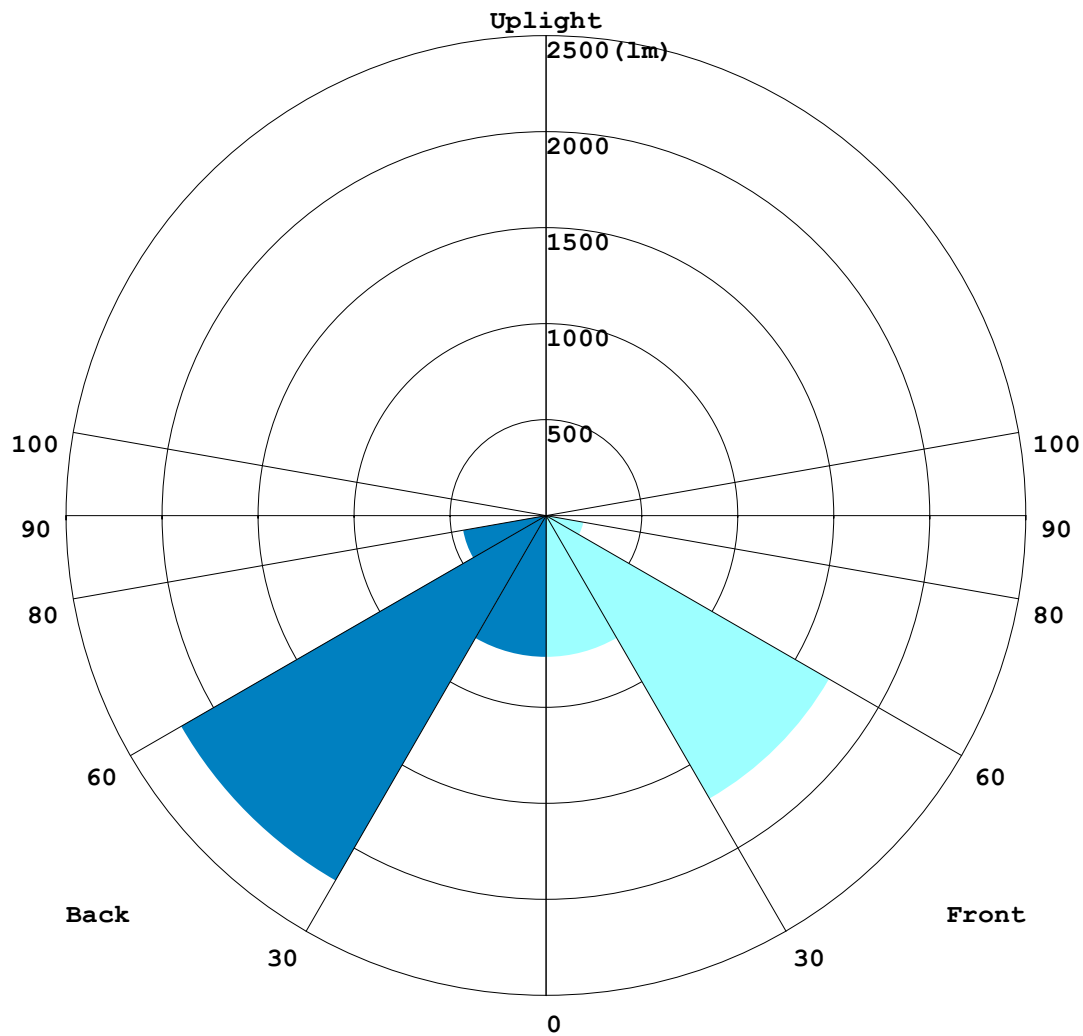


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 18 August 2022

$\gamma$  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: 98Prague50/WW	TYPE: 98Prague50/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	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: 18 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: 98Prague50/WW	TYPE: 98Prague50/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	737.44	12.2
FM - Front-Medium(30-60)	1702.9	28.3
FH - Front-High(60-80)	198.32	3.3
FVH - Front-Very High(80-90)	5.2464	0.1
Total Forward Light	2643.9	43.9

BL - Back-Low(0-30)	736.76	12.2
BM - Back-Medium(30-60)	2194.3	36.4
BH - Back-High(60-80)	437.81	7.3
BVH - Back-Very High(80-90)	8.0023	0.1
Total Back Light	3376.9	56.1

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	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3376.9	0	3376.9
Street Side	2643.9	0	2643.9

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature:25.3°C  
Operators:  
Test Date:18 August 2022

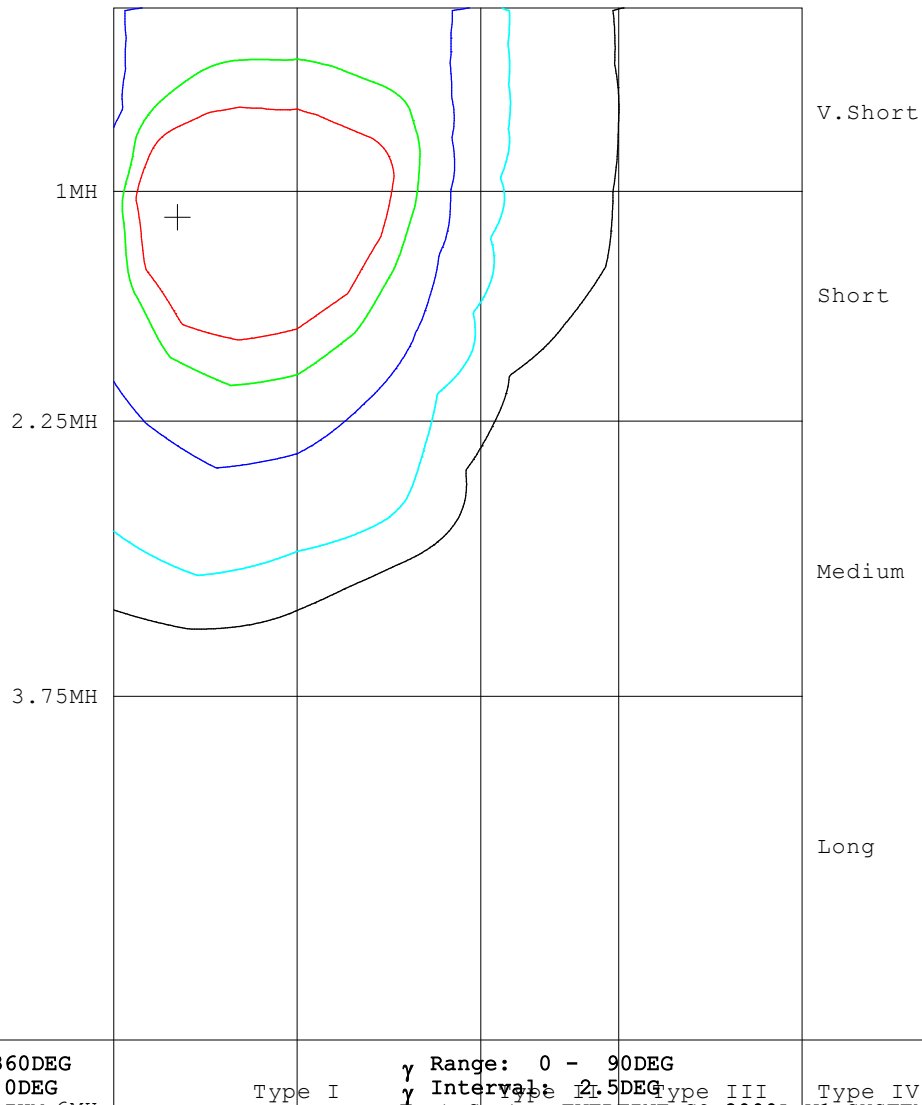
γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME: 98Prague50/WW	TYPE: 98Prague50/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	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: 18 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:

70% 2833.9 Road 20% 809.68  
50% 2024.2 5% 202.42

```

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:

```