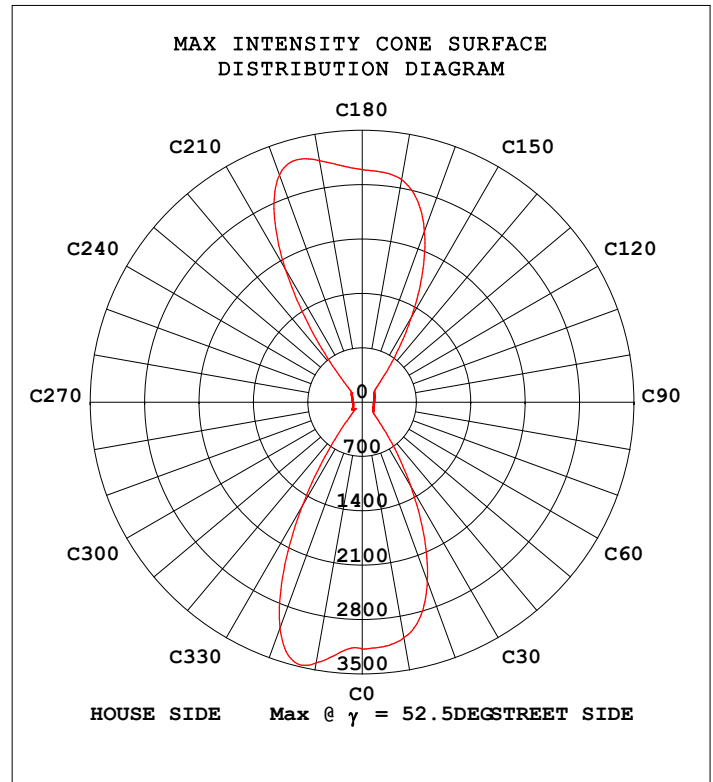
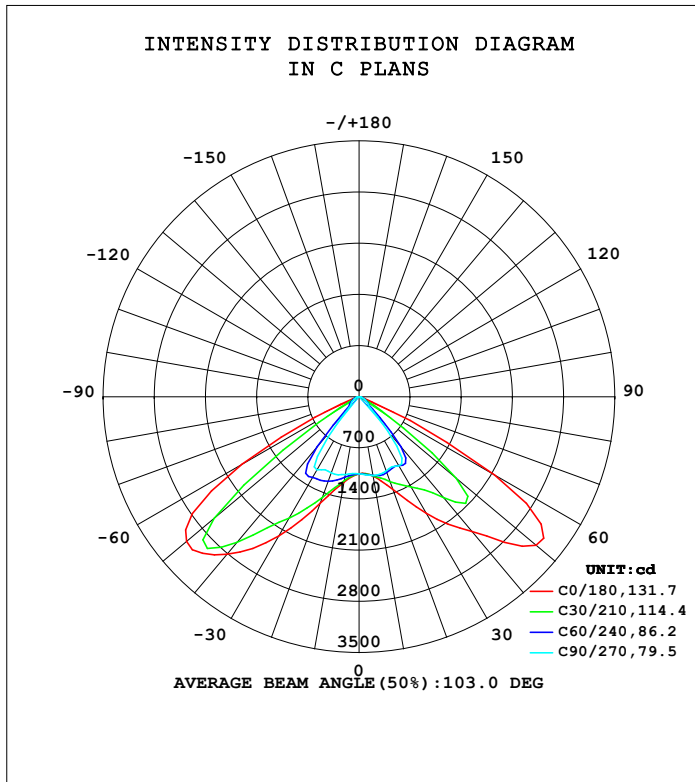


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague30W	TYPE: 98Prague30W	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	98Prague30W	Imax (cd)	3407	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	30	LOR (%)	110.7	$\eta$ street_down (%)	53.2
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	4205	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	3800	MAXIMUM @ (C, $\gamma$ )	350, 52.5	$\eta$ house_down (%)	57.5
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	$\eta$ down (%)	110.7	SLI	16.006

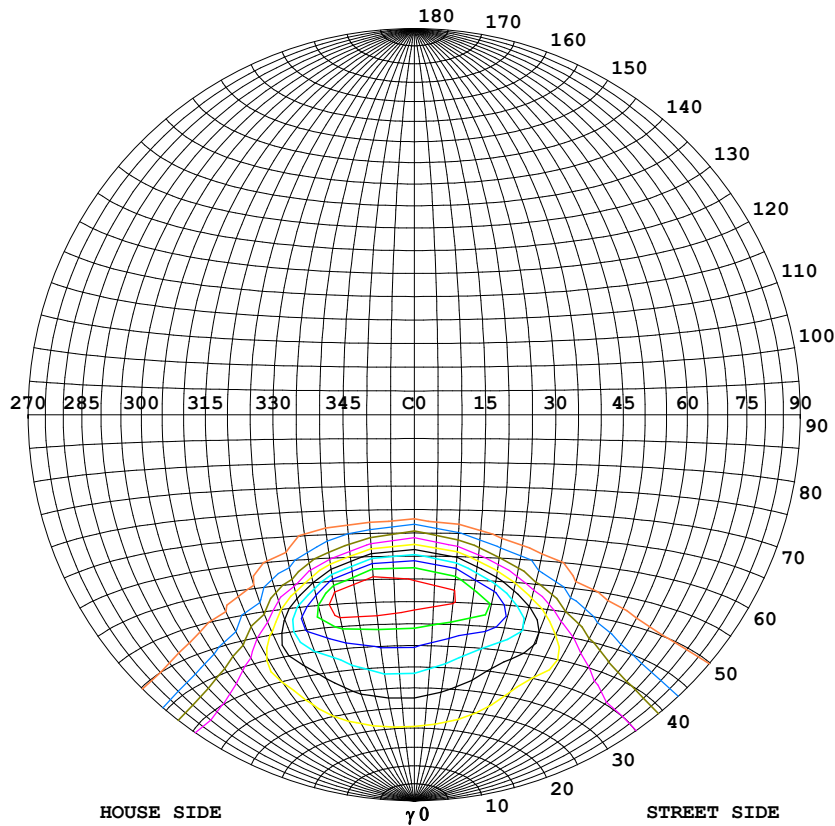


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 17 August 2022

$\gamma$  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: 98Prague30W	TYPE: 98Prague30W	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



## Classification:

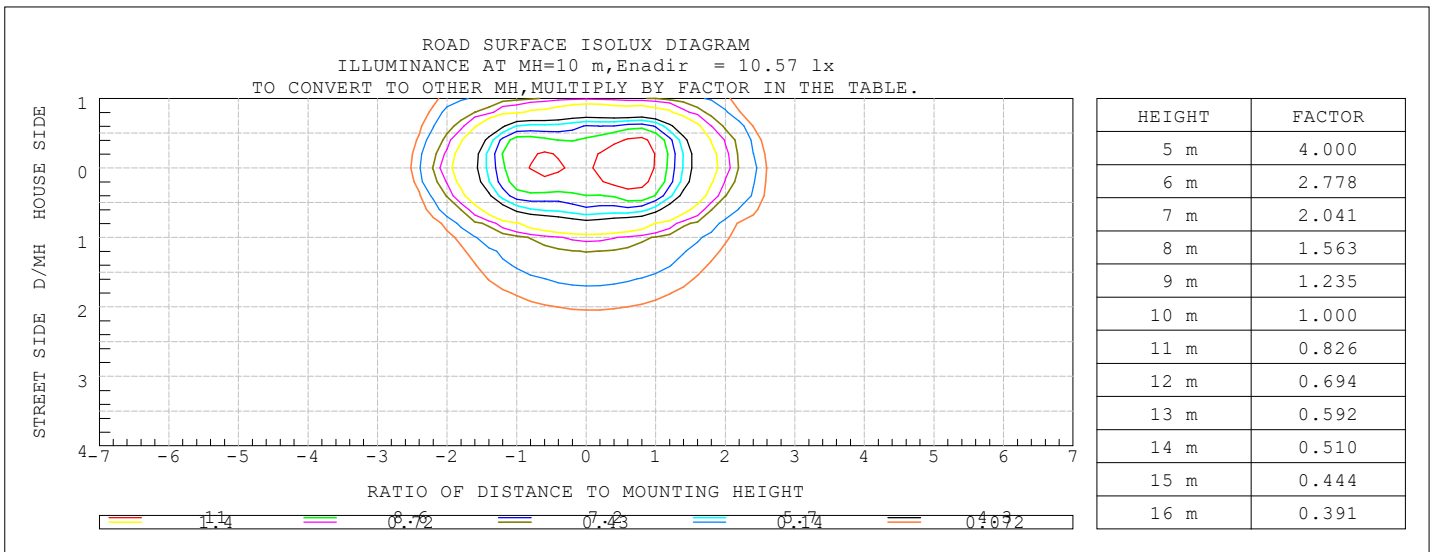
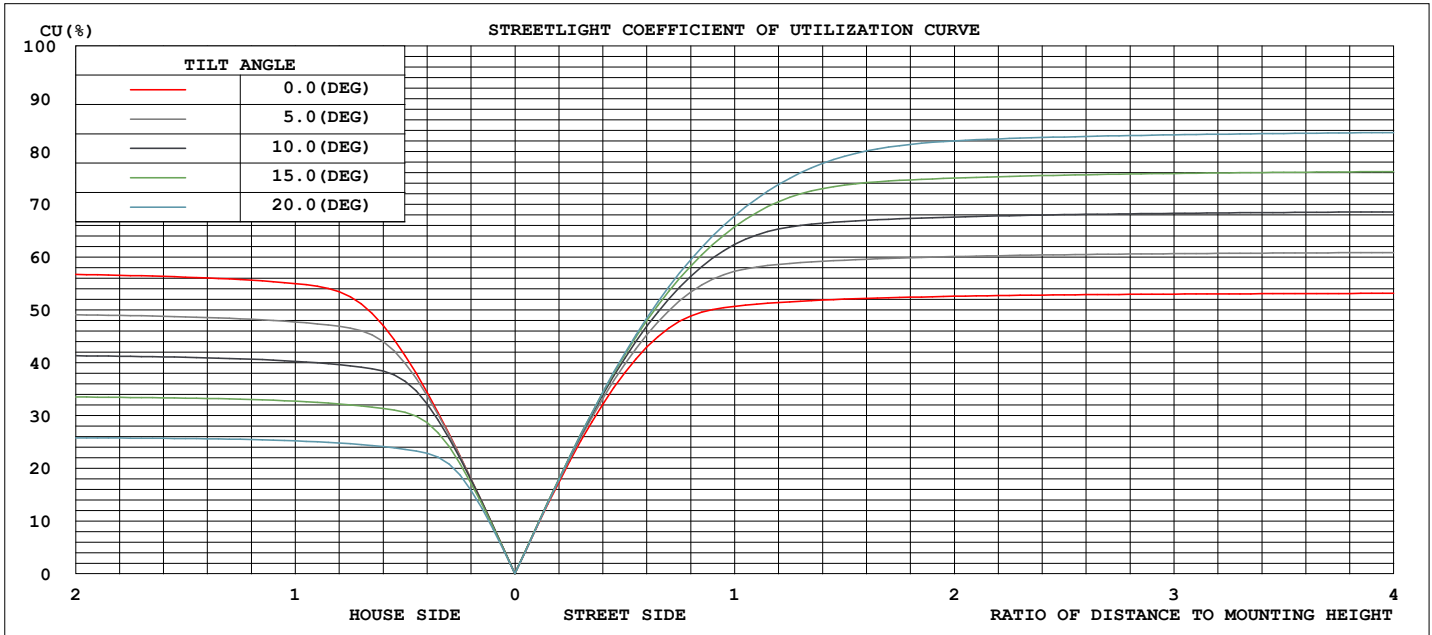
IES:Type I - Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:9.683cd/klm  
Max.At90:0.8570cd/klm  
Max.80-90:9.683cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	3407
90%	3066
80%	2725
70%	2385
60%	2044
50%	1703
40%	1363
30%	1022
20%	681
10%	341
5%	170

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:17 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: 17 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: 98Prague30W	TYPE: 98Prague30W	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

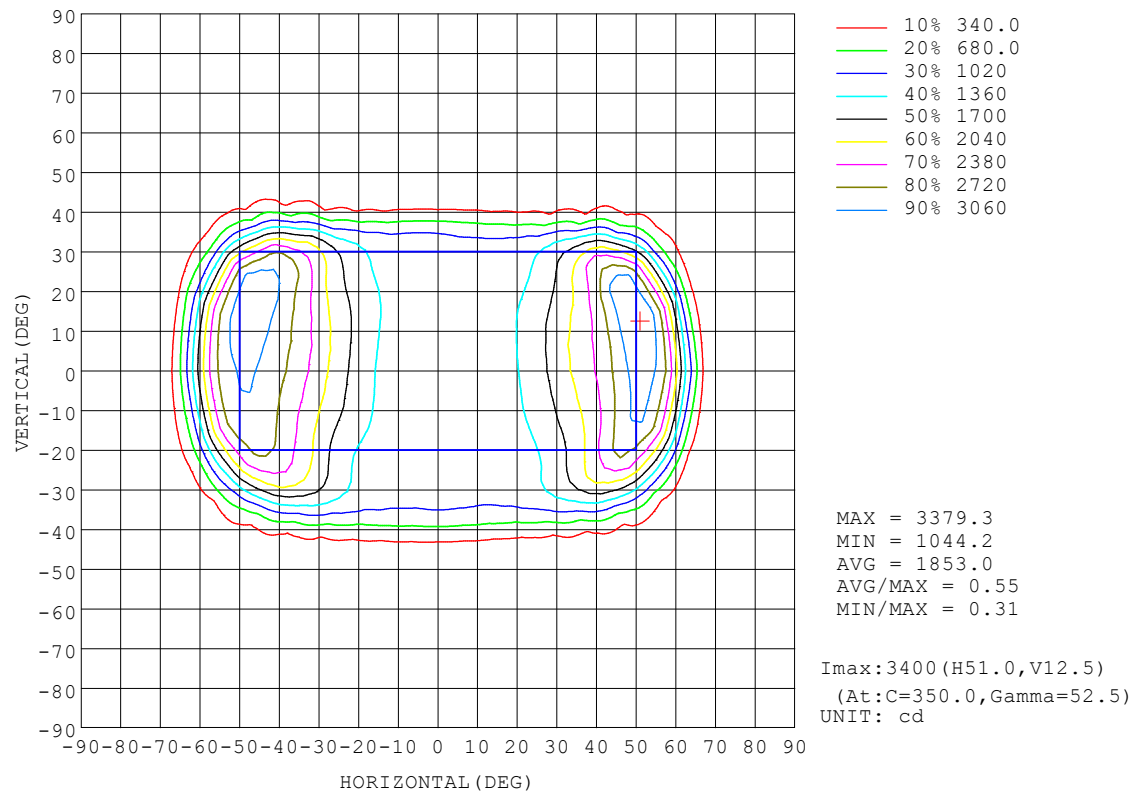
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1103	1097	1097	1143	1183	1143	1080	1076	0- 10	103.7	103.7	2.47,2.73
20	1348	1156	1081	1262	1549	1346	1110	1195	10- 20	337.0	440.7	10.5,11.6
30	1844	1208	1093	1334	2200	1557	1156	1305	20- 30	628.2	1069	25.4,28.1
40	2406	1340	607.6	1535	2813	1784	382.2	1392	30- 40	965.1	2034	48.4,53.5
50	3163	479.2	169.0	532.1	3080	612.0	139.3	385.4	40- 50	1091	3125	74.3,82.2
60	2138	119.2	102.0	145.1	1845	135.0	89.92	131.4	50- 60	808.3	3933	93.5,104
70	83.99	69.68	49.59	76.96	100.2	72.71	47.52	66.93	60- 70	211.9	4145	98.6,109
80	28.35	23.71	26.63	27.67	23.62	24.92	23.86	21.60	70- 80	48.84	4194	99.7,110
90	3.257	1.005	0.4434	0.8429	2.341	0.5998	0.4787	0.6958	80- 90	10.89	4205	100,111
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: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:17 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

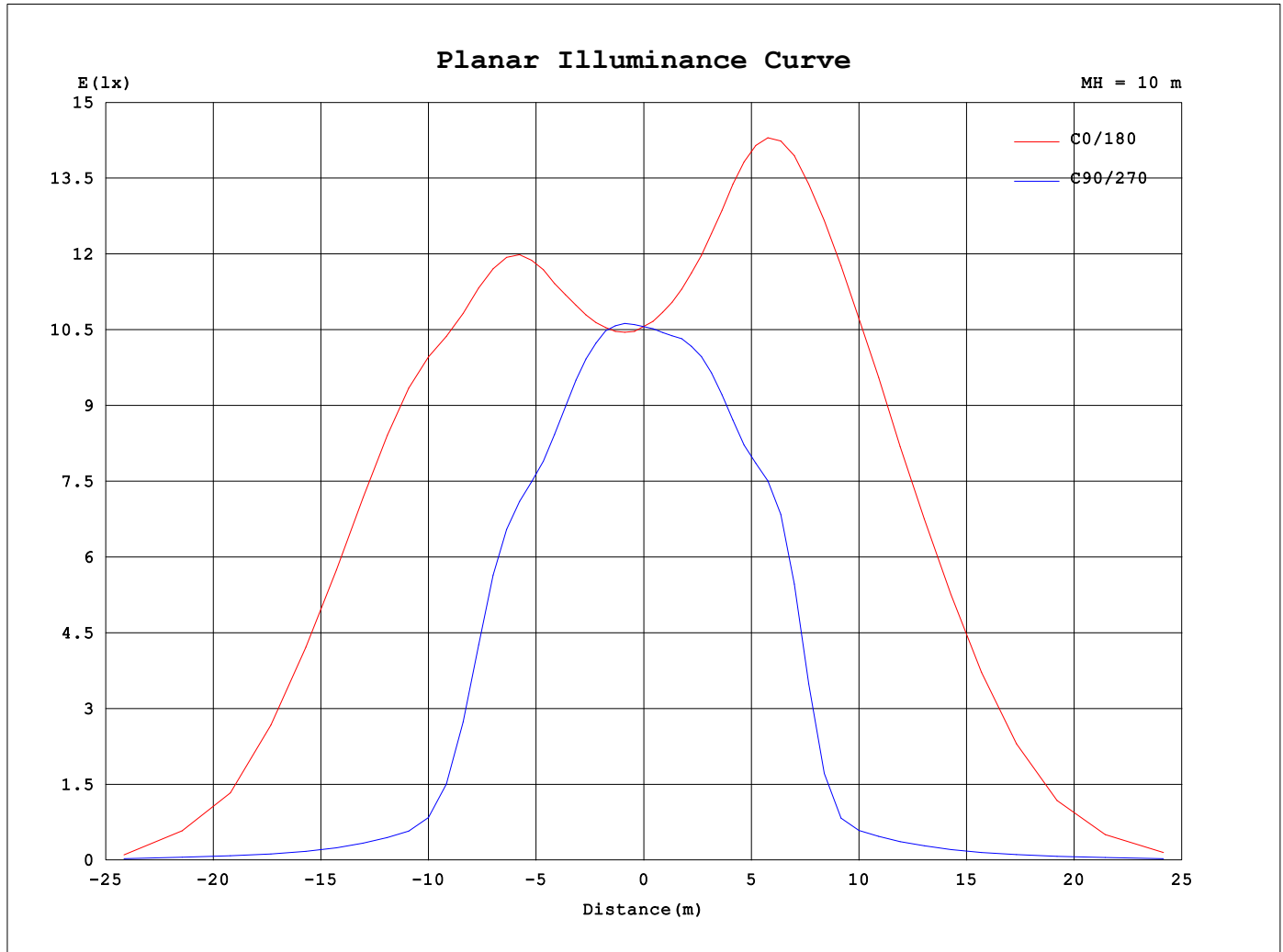
NAME: 98Prague30W	TYPE: 98Prague30W	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 17 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

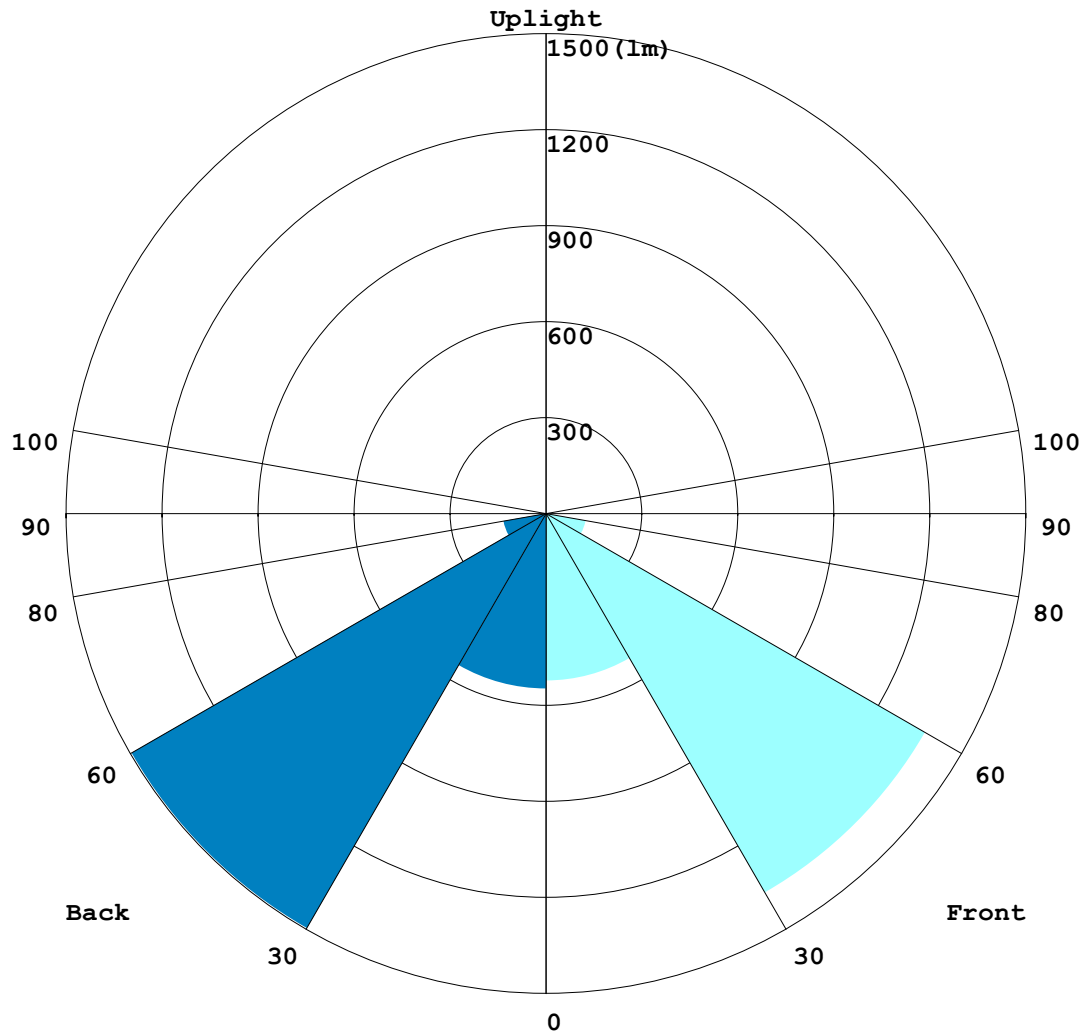


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 17 August 2022

$\gamma$  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: 98Prague30W	TYPE: 98Prague30W	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: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 17 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: 98Prague30W	TYPE: 98Prague30W	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)	521.54	12.4
FM - Front-Medium(30-60)	1368.2	32.5
FH - Front-High(60-80)	125.57	3.0
FVH - Front-Very High(80-90)	5.9549	0.1
Total Forward Light	2021.3	48.1

BL - Back-Low(0-30)	547.35	13.0
BM - Back-Medium(30-60)	1496.2	35.6
BH - Back-High(60-80)	135.14	3.2
BVH - Back-Very High(80-90)	4.9321	0.1
Total Back Light	2183.6	51.9

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	2183.6	0	2183.6
Street Side	2021.3	0	2021.3

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:17 August 2022

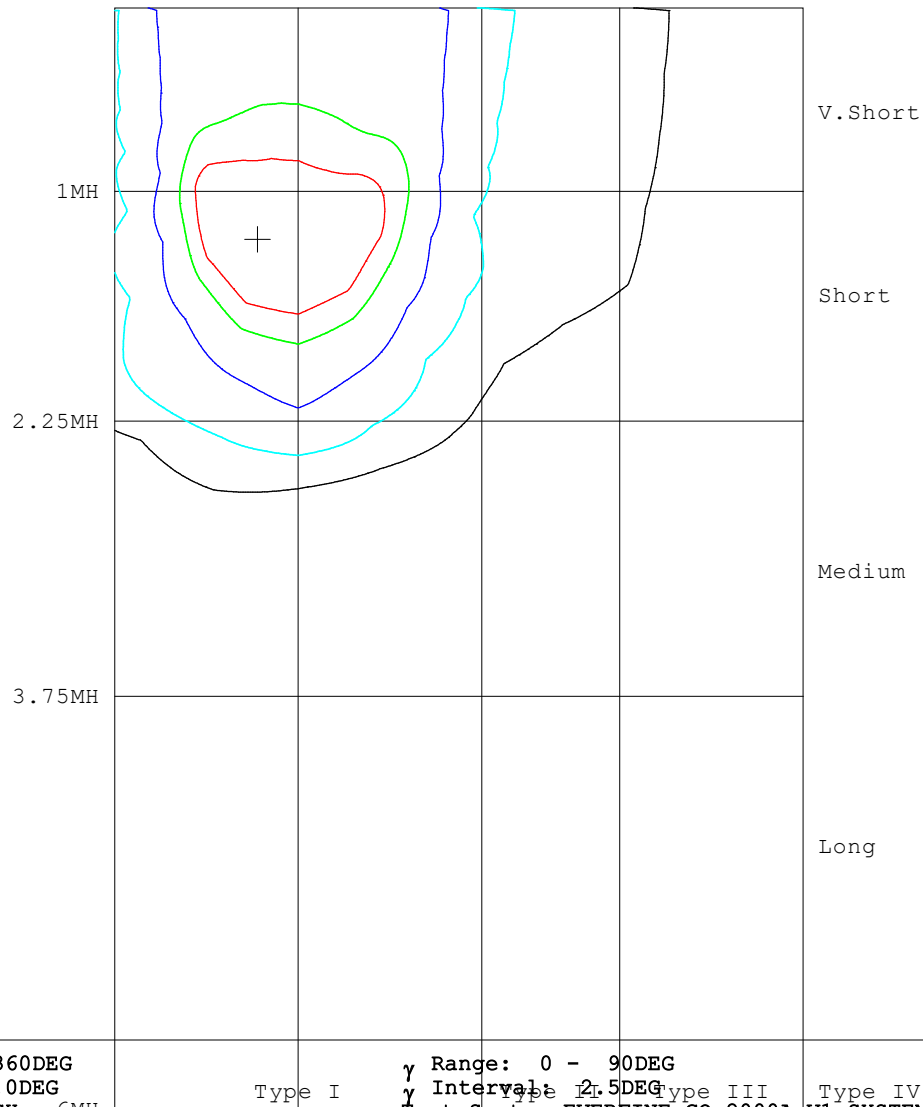
γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME: 98Prague30W	TYPE: 98Prague30W	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: HIGH 6MH

Temperature: 25.3°C 1MH

Operators:

Test Date: 17 August 2022

γ Range: 0 - 90DEG

γ Interval: 2.5DEG

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

Humidity: 65.0% 75MH 2.75MH

Test Distance: 6.265m [K=1.0009]

Remarks:

Type I

Type II

Type III

Type IV

70% 2393.5 Pavement

Road 20% 665.85

50% 1709.6

5% 170.96



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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:

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