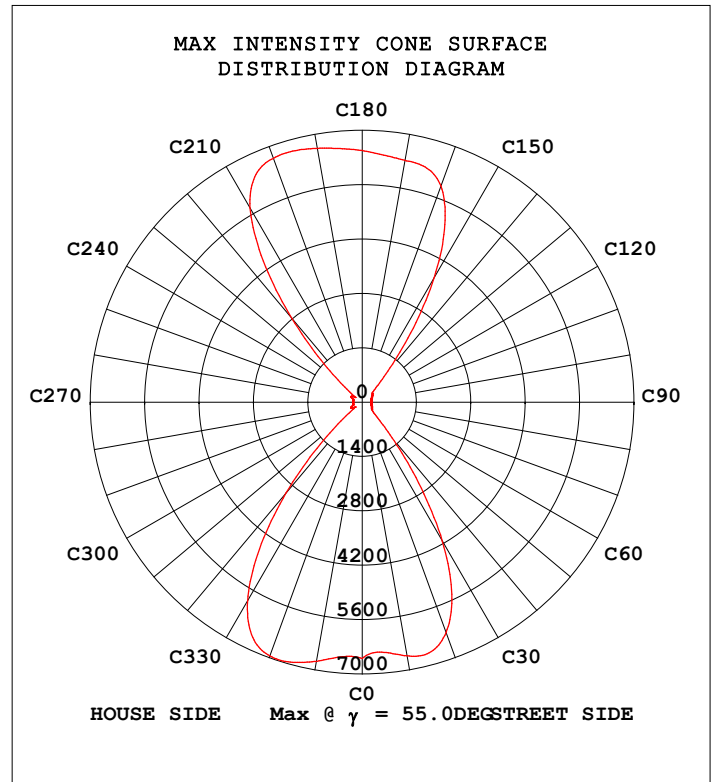
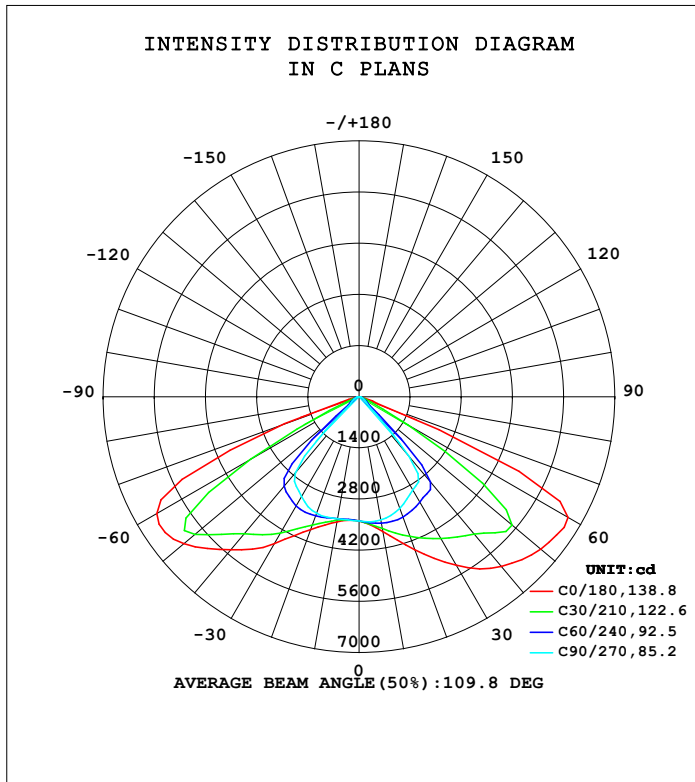


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague100/WW	TYPE: 98Prague100/WW	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	98Prague100/WW	Imax (cd)	6953	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	100	LOR (%)	102.7	$\eta$ street_down (%)	48.0
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	12322	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	12000	MAXIMUM @ (C, $\gamma$ )	340, 55.0	$\eta$ house_down (%)	54.7
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	$\eta$ down (%)	102.7	SLI	16.751

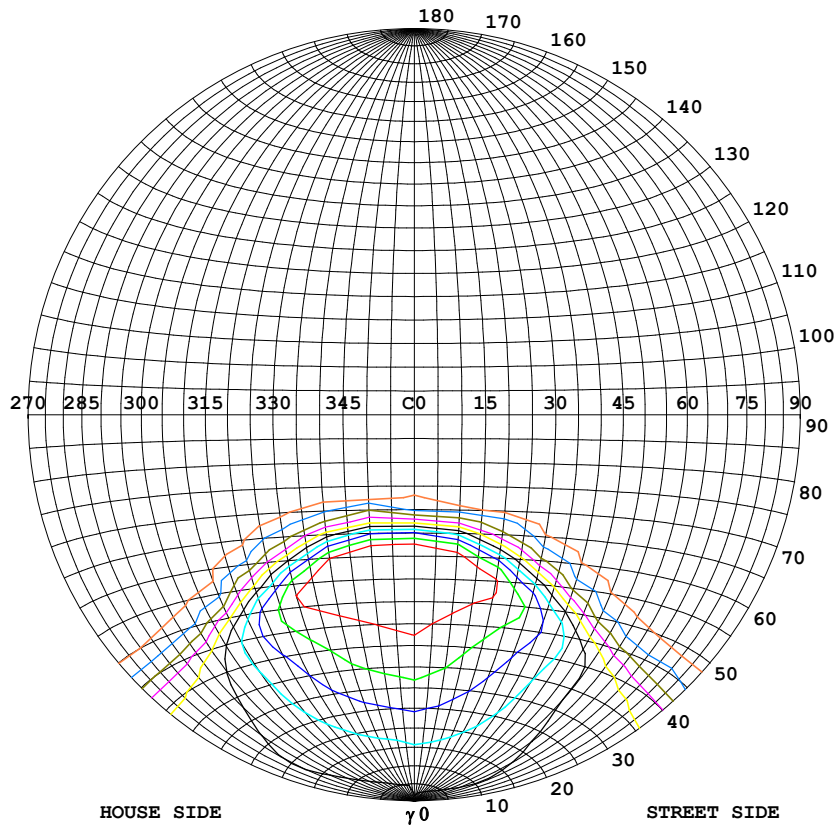


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3°C  
Operators:  
Test Date: 18 August 2022

$\gamma$  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: 98Prague100/WW	TYPE: 98Prague100/WW	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



## Classification:

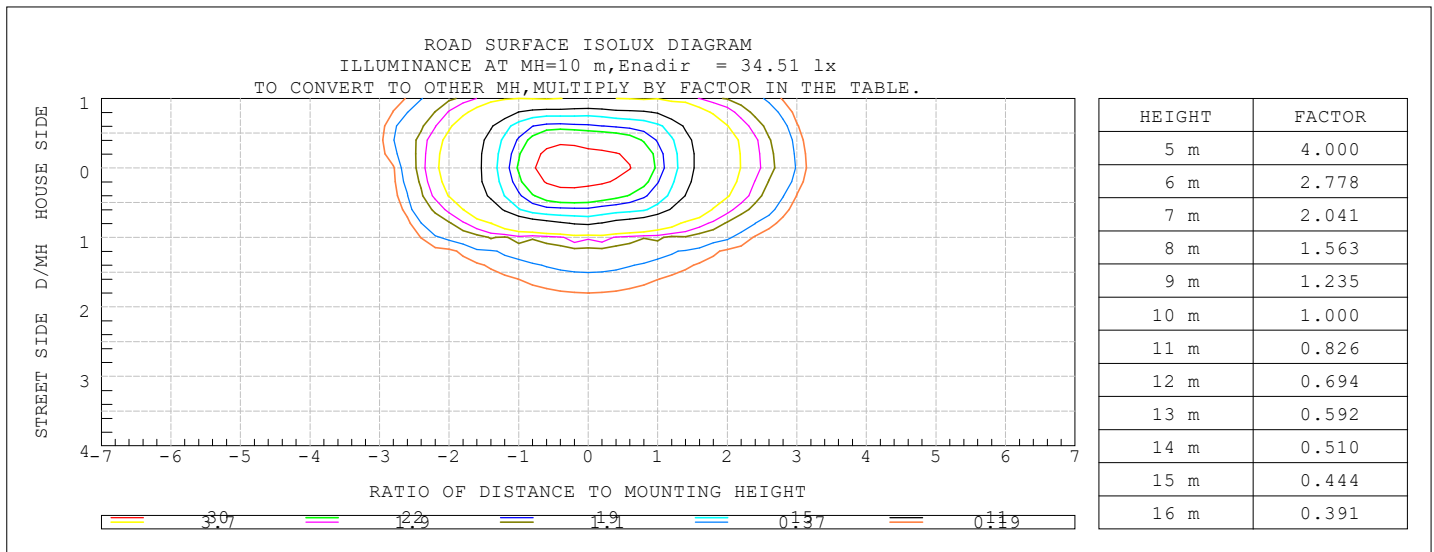
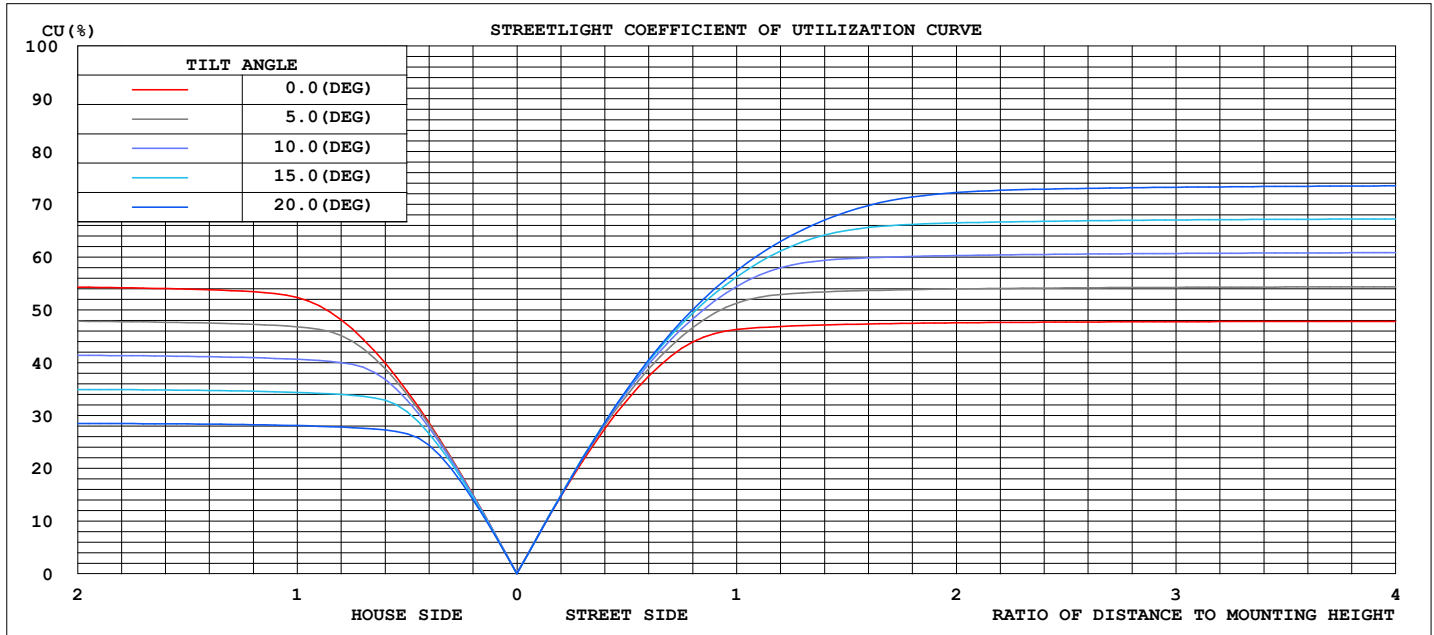
IES:Type I - Short  
CIE:Narrow - Short  
IES:Cut-off  
CIE:Full cut-off  
Max.At80:7.725cd/klm  
Max.At90:0.9768cd/klm  
Max.80-90:7.725cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	6953
90%	6258
80%	5562
70%	4867
60%	4172
50%	3476
40%	2781
30%	2086
20%	1391
10%	695
5%	348

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

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: 98Prague100/WW	TYPE: 98Prague100/WW	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

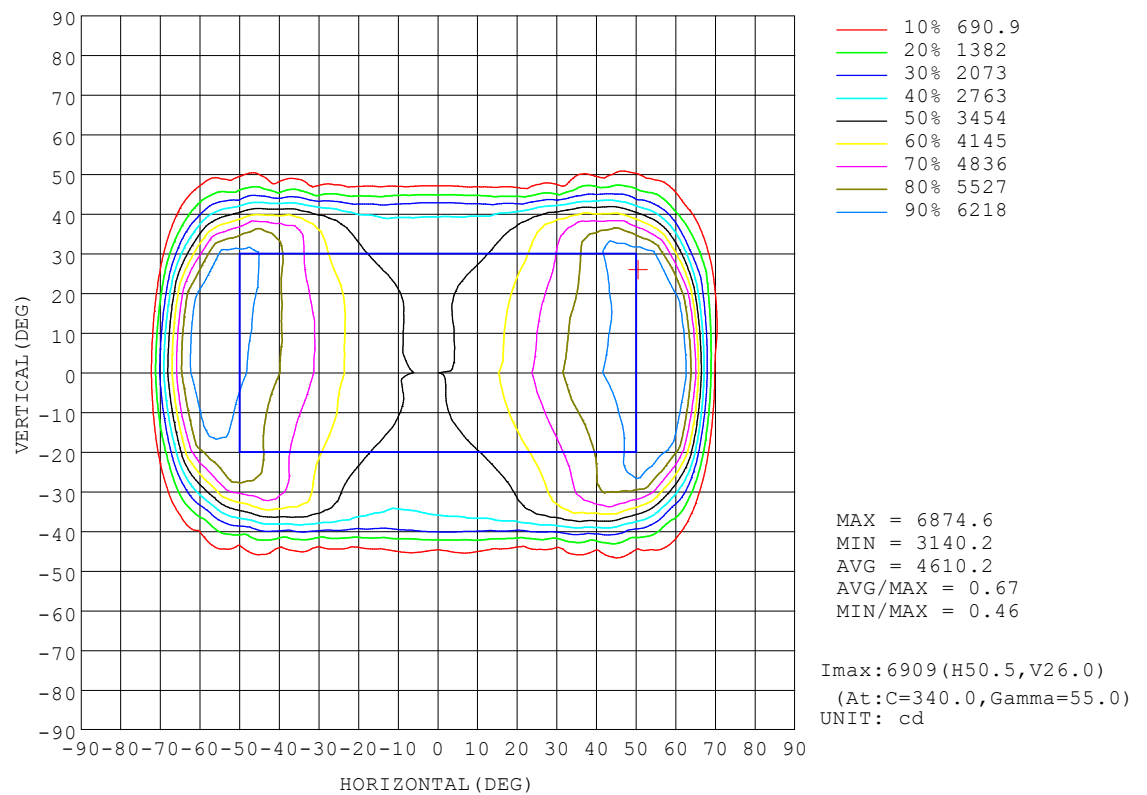
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	3741	3584	3426	3449	3477	3405	3391	3578	0- 10	329.9	329.9	2.68,2.75
20	4454	3774	3255	3521	3867	3600	3398	3943	10- 20	1027	1357	11,11.3
30	5315	3873	2943	3558	4644	3871	3152	4274	20- 30	1779	3136	25.5,26.1
40	6058	4042	2126	3680	5465	4055	2721	4547	30- 40	2533	5669	46,47.2
50	6492	2265	304.0	2070	6258	3609	341.7	3880	40- 50	2831	8501	69,70.8
60	6607	305.8	175.1	302.0	6389	405.4	195.8	557.4	50- 60	2422	10923	88.6,91
70	539.2	121.4	84.37	128.9	2172	152.8	119.3	164.3	60- 70	1226	12149	98.6,101
80	53.34	39.67	38.72	42.20	75.70	56.99	58.76	51.32	70- 80	147.9	12297	99.8,102
90	11.72	4.527	1.052	4.117	8.927	2.287	3.213	2.566	80- 90	24.97	12322	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: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

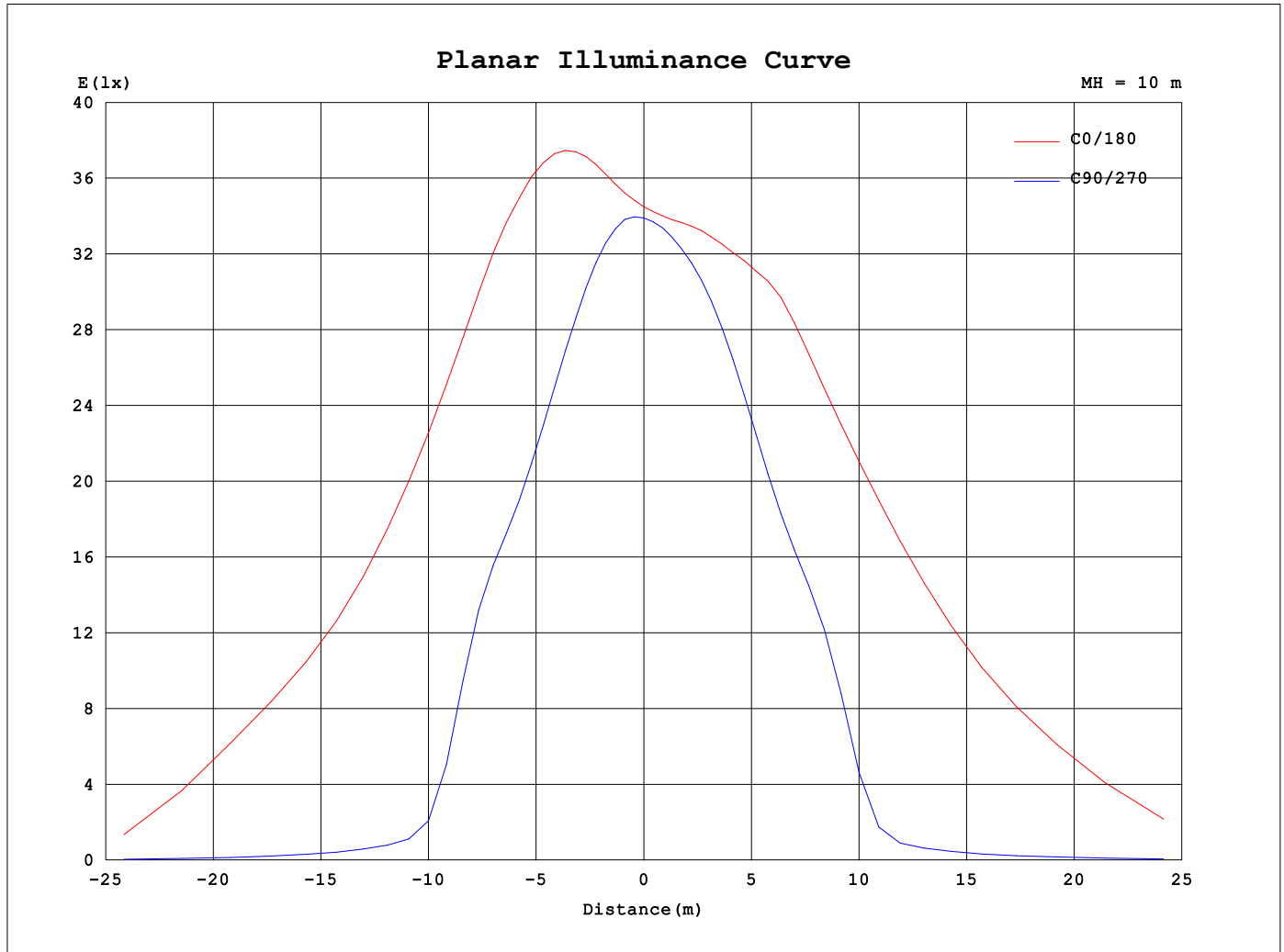
NAME: 98Prague100/WW	TYPE: 98Prague100/WW	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



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

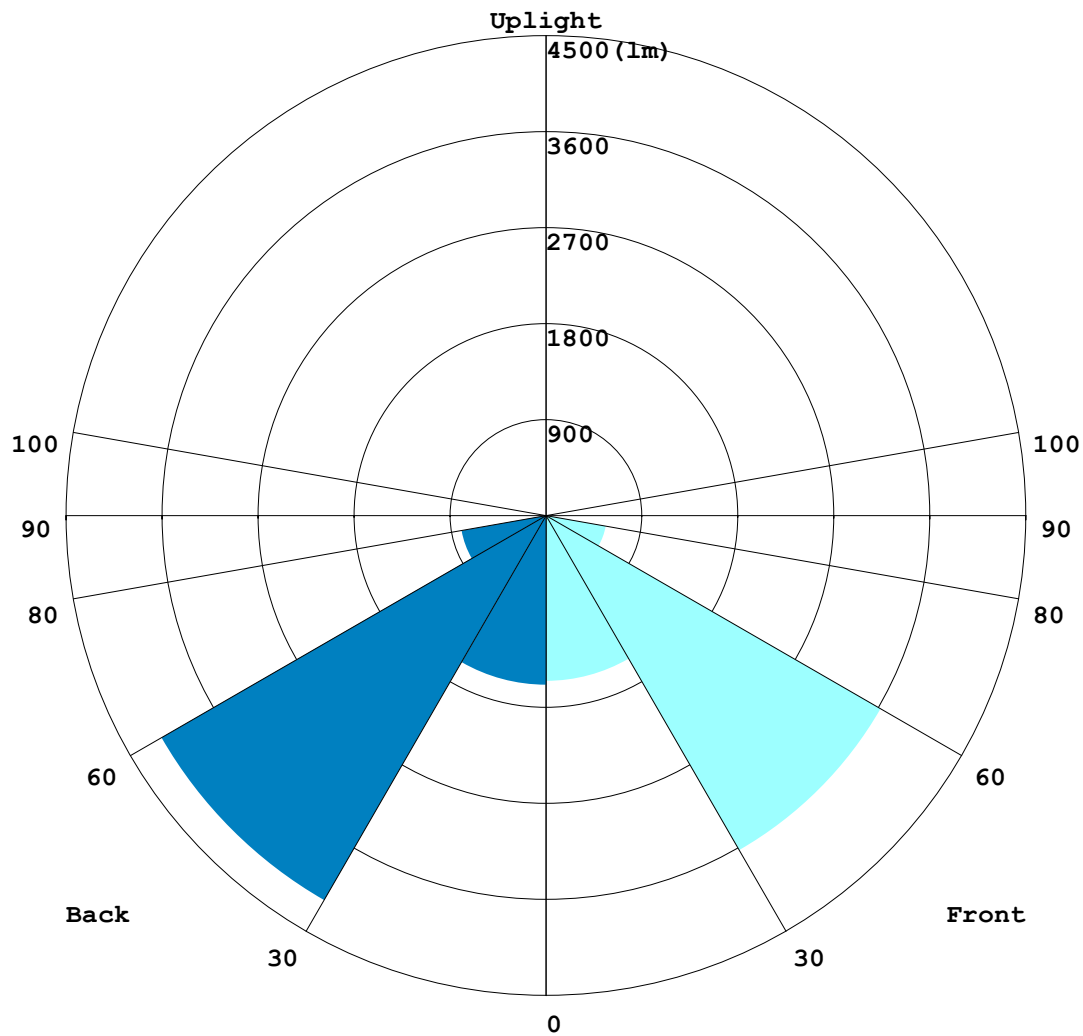


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 18 August 2022

$\gamma$  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: 98Prague100/WW	TYPE: 98Prague100/WW	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	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: 98Prague100/WW	TYPE: 98Prague100/WW	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1550.3	12.6
FM - Front-Medium(30-60)	3623.5	29.4
FH - Front-High(60-80)	570.2	4.6
FVH - Front-Very High(80-90)	10.047	0.1
Total Forward Light	5754.1	46.7

BL - Back-Low(0-30)	1585.8	12.9
BM - Back-Medium(30-60)	4163.5	33.8
BH - Back-High(60-80)	803.42	6.5
BVH - Back-Very High(80-90)	14.923	0.1
Total Back Light	6567.6	53.3

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	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	6567.6	0	6567.6
Street Side	5754.1	0	5754.1

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

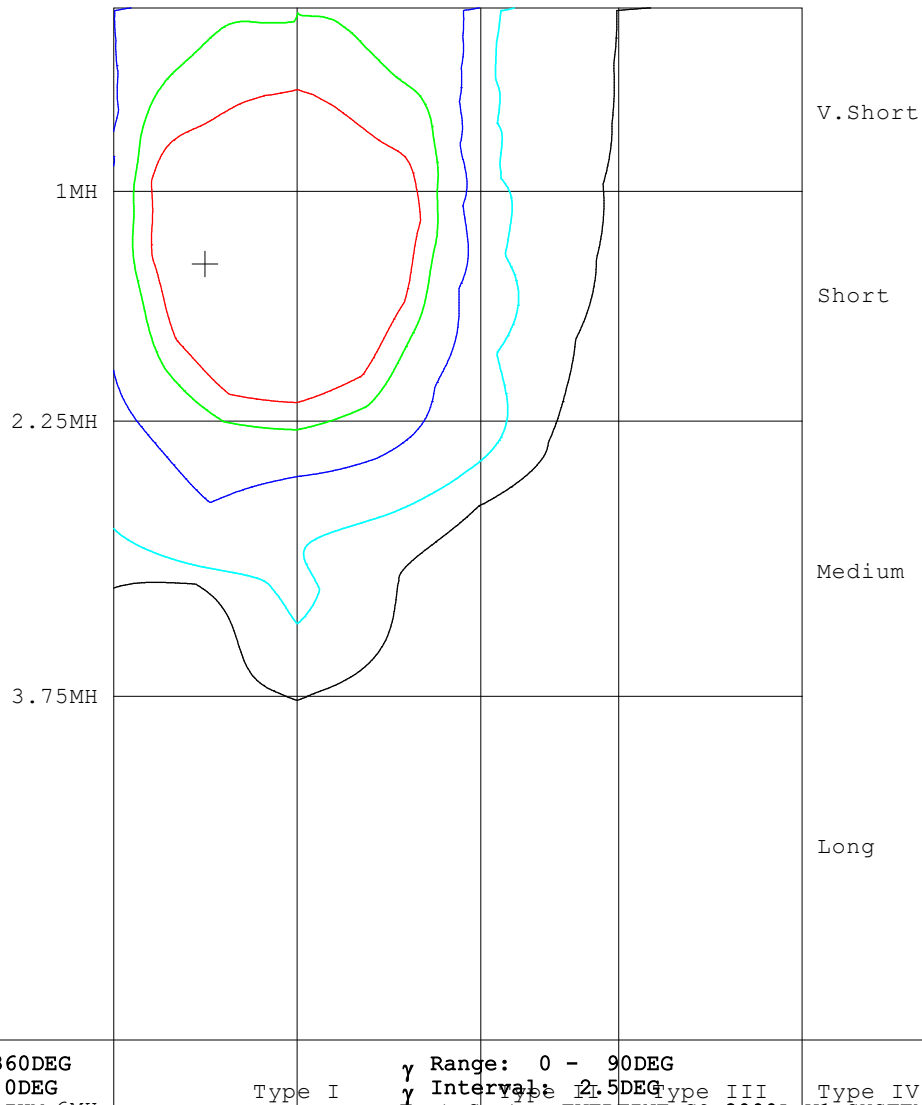
γ Range: 0 - 90DEG  
γ Interval: 2.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.456  
Humidity:65.0%  
Test Distance:6.265m [K=1.0000]  
Remarks:



ROAD ISOCANDELA REPORT

NAME: 98Prague100/WW	TYPE: 98Prague100/WW	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	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

70% 4855.1  
Pavement

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:

50% 3468 5% 346.8

```

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:

```