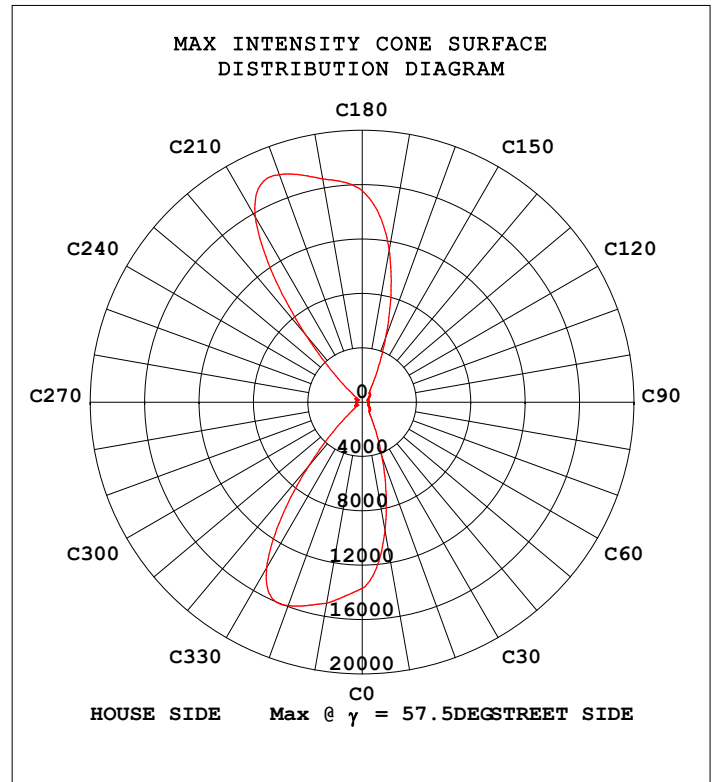
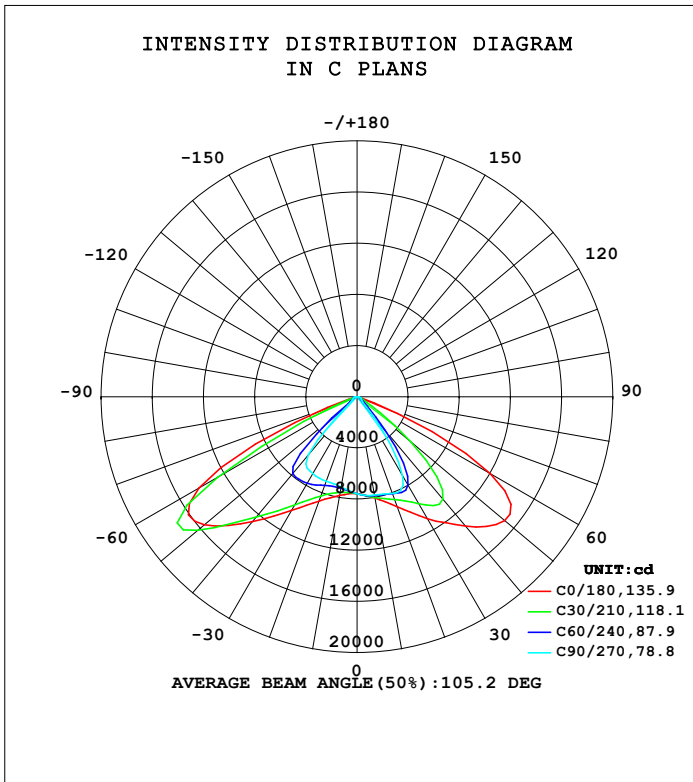


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague250/WW	TYPE: 98Prague250/WW	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/WW	Imax (cd)	17816	η street_up (%)	0.0
NOMINAL POWER (W)	250	LOR (%)	94.6	η street_down (%)	38.5
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	26496	η house_up (%)	0.0
NOMINAL FLUX (lm)	28000	MAXIMUM @ (C, γ)	200, 57.5	η house_down (%)	56.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	94.6	SLI	17.798

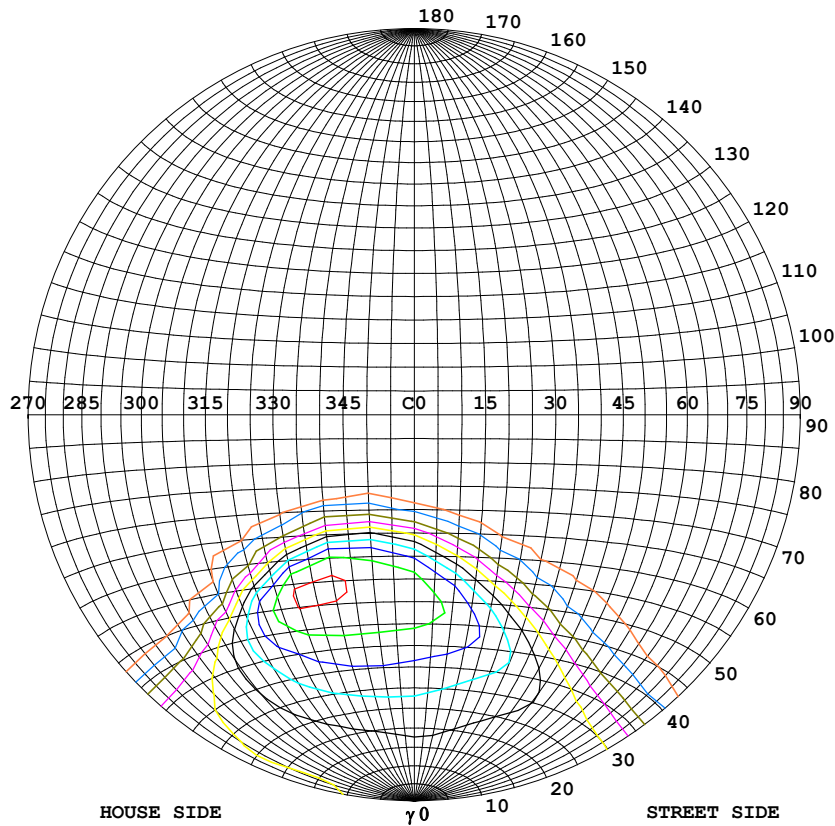


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 22 August 2022

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:

STREETLIGHT ISOCANDELA DIAGRAM

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



Classification:

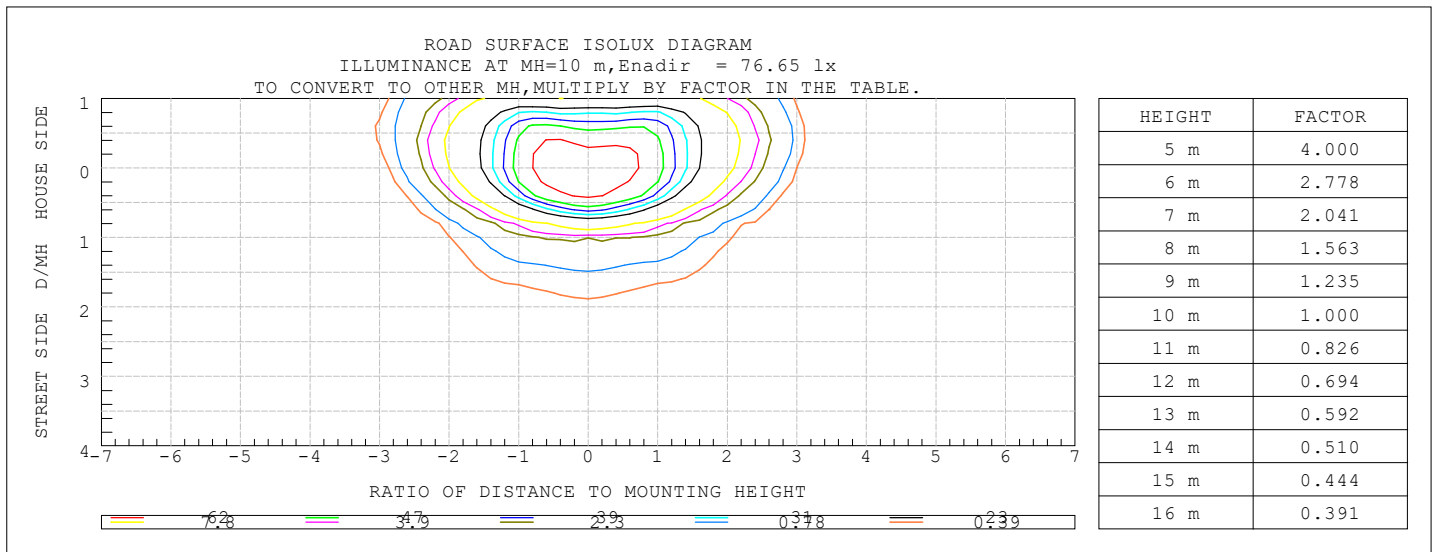
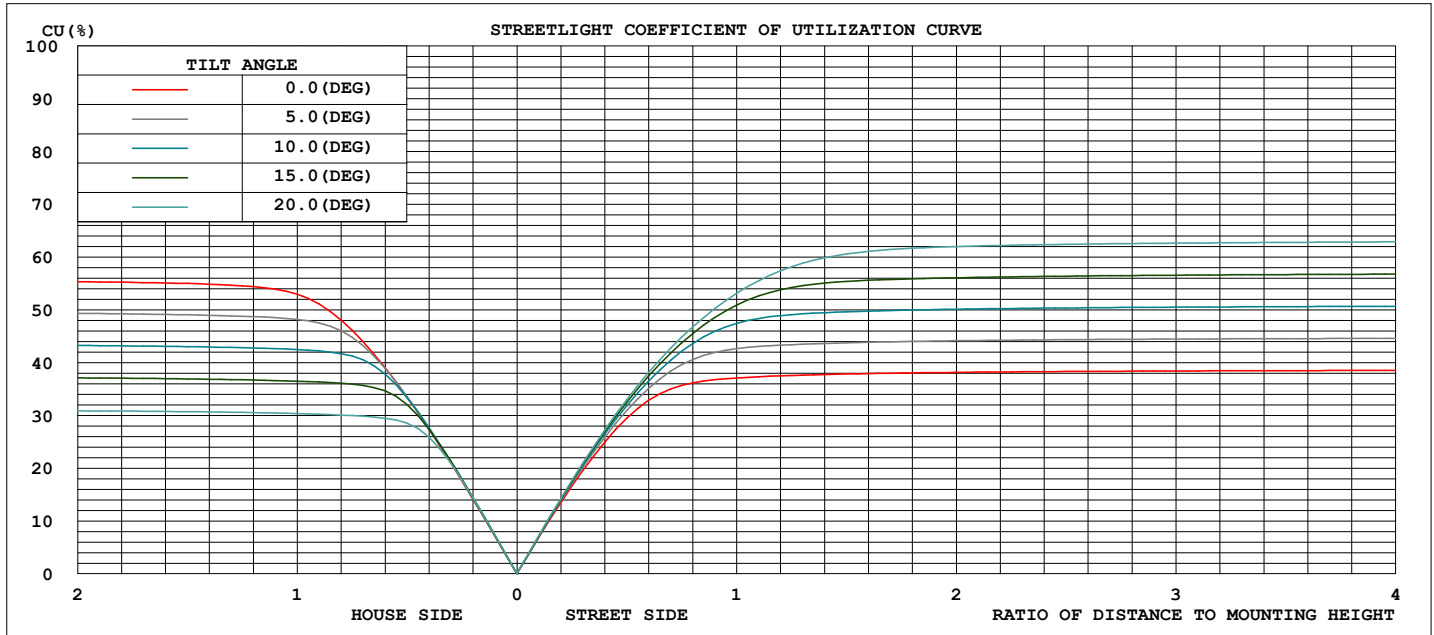
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:10.39cd/klm
 Max.At90:0.9114cd/klm
 Max.80-90:10.39cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	17816
90%	16034
80%	14253
70%	12471
60%	10690
50%	8908
40%	7126
30%	5345
20%	3563
10%	1782
5%	891

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

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

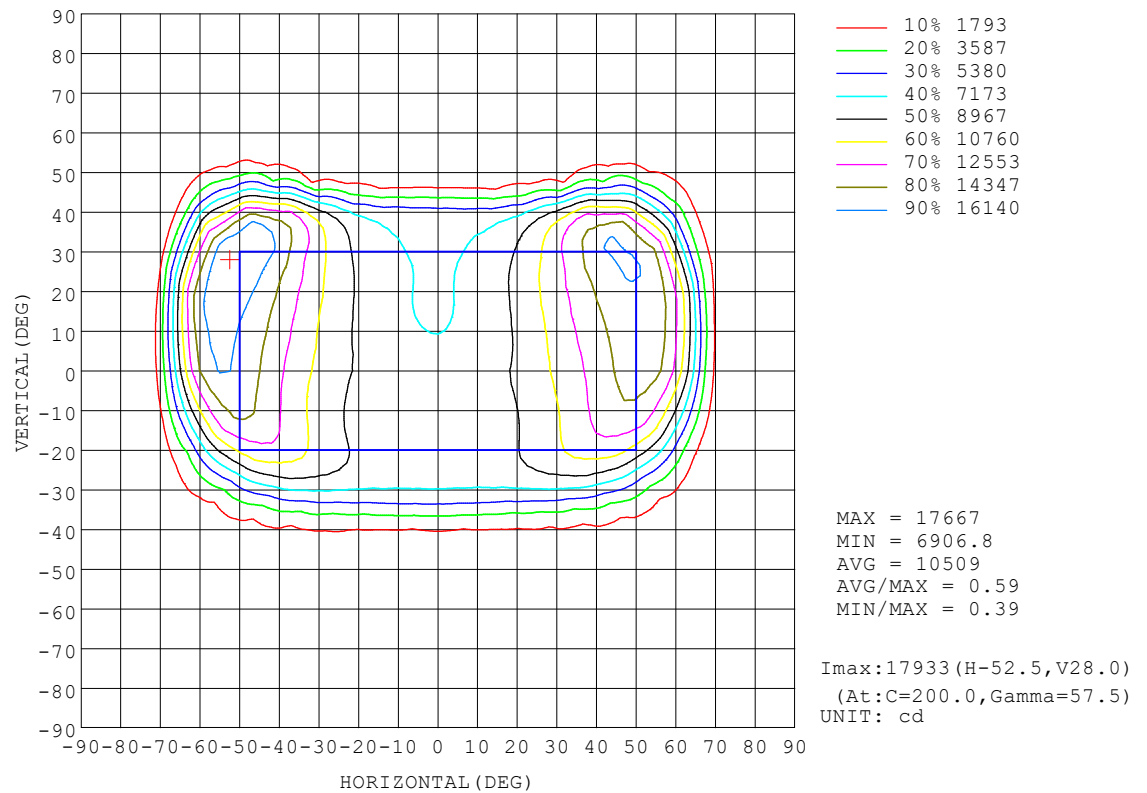
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	803.8	792.7	781.2	788.2	783.6	742.4	717.2	762.4	0- 10	730.6	730.6	2.76,2.61
20	913.3	826.1	804.5	819.0	868.3	782.3	703.2	831.1	10- 20	2249	2980	11.2,10.6
30	1101	888.6	713.5	884.0	1026	883.9	693.2	963.6	20- 30	3979	6959	26.3,24.9
40	1321	668.9	201.0	701.4	1274	1027	593.1	1108	30- 40	5583	12542	47.3,44.8
50	1506	163.6	52.95	179.4	1557	1037	62.92	1026	40- 50	6049	18592	70.2,66.4
60	1201	66.09	39.53	67.36	1427	197.7	41.86	198.2	50- 60	5089	23680	89.4,84.6
70	143.1	36.96	29.90	38.51	246.4	39.31	31.45	41.69	60- 70	2361	26042	98.3,93
80	11.11	11.89	18.83	12.77	12.03	19.81	23.96	19.89	70- 80	367.9	26410	99.7,94.3
90	2.426	1.255	0.2743	1.053	1.608	0.3876	1.231	0.4151	80- 90	86.38	26496	100,94.6
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

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:

ISOCANDELA DIAGRAM

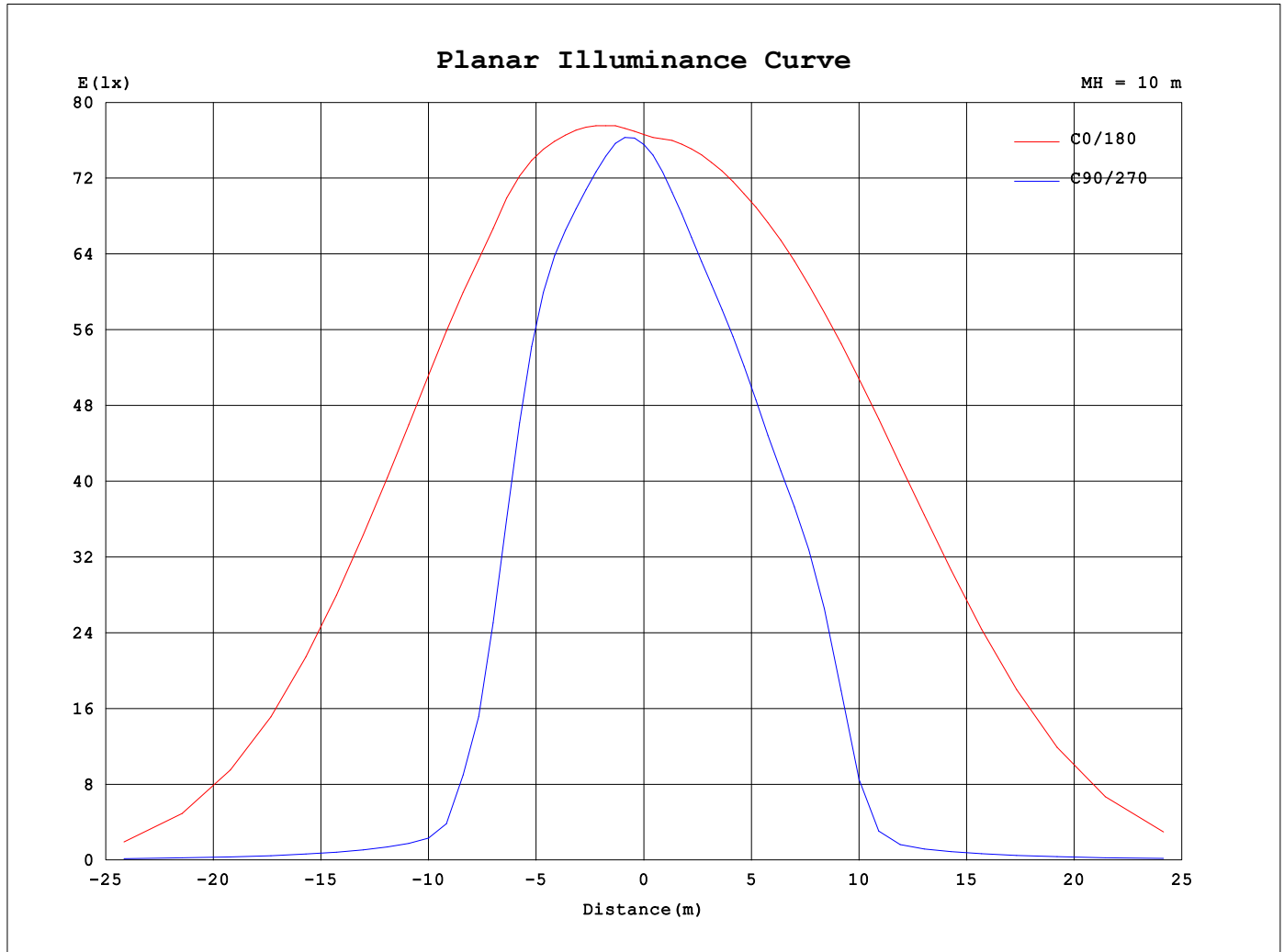
NAME: 98Prague250/WW	TYPE: 98Prague250/WW	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



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

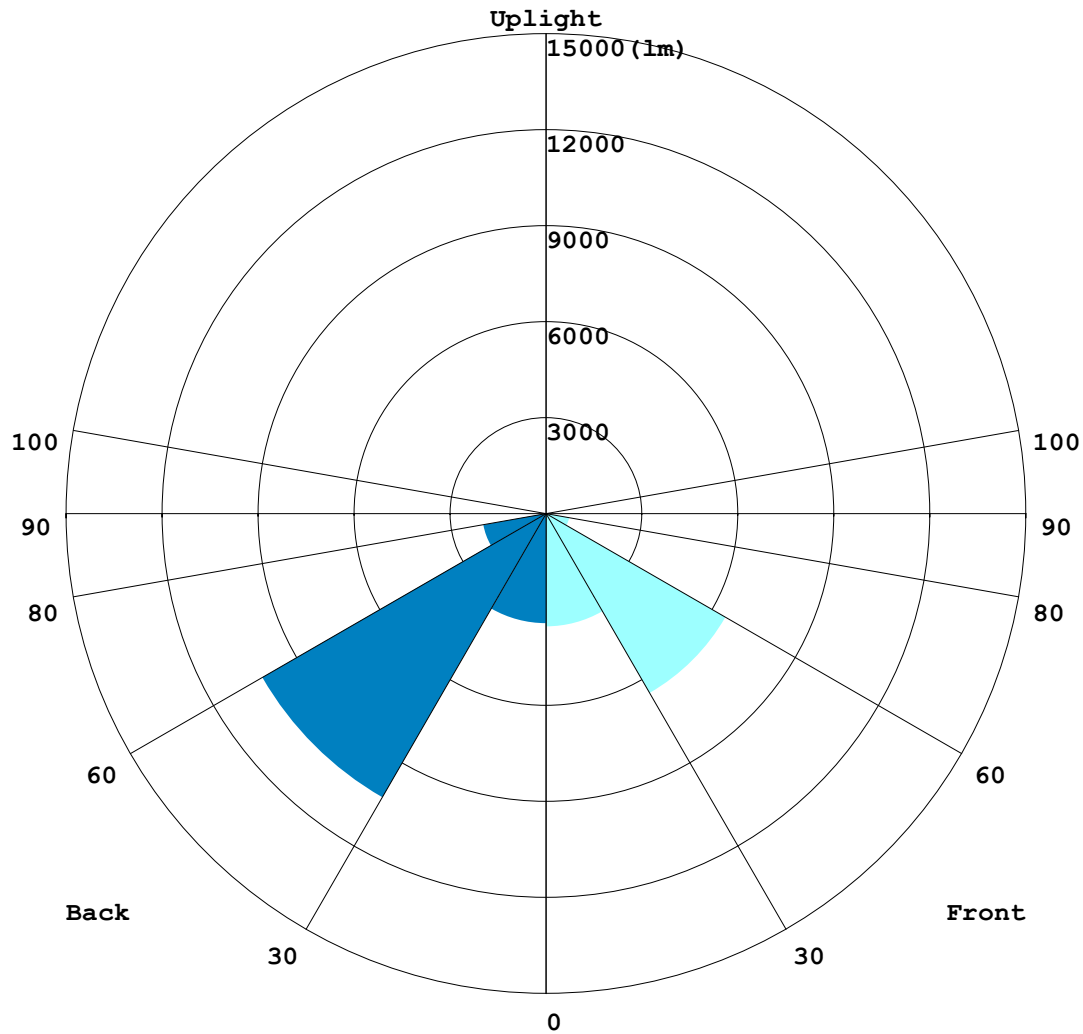


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 22 August 2022

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:

LCS REPORT

NAME: 98Prague250/WW	TYPE: 98Prague250/WW	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/WW	TYPE: 98Prague250/WW	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)	3529.8	13.3
FM - Front-Medium(30-60)	6482.9	24.5
FH - Front-High(60-80)	742.47	2.8
FVH - Front-Very High(80-90)	33.697	0.1
Total Forward Light	10789	40.7

BL - Back-Low(0-30)	3429.3	12.9
BM - Back-Medium(30-60)	10238	38.6
BH - Back-High(60-80)	1986.9	7.5
BVH - Back-Very High(80-90)	52.686	0.2
Total Back Light	15707	59.3

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	B5-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	15707	0	15707
Street Side	10789	0	10789

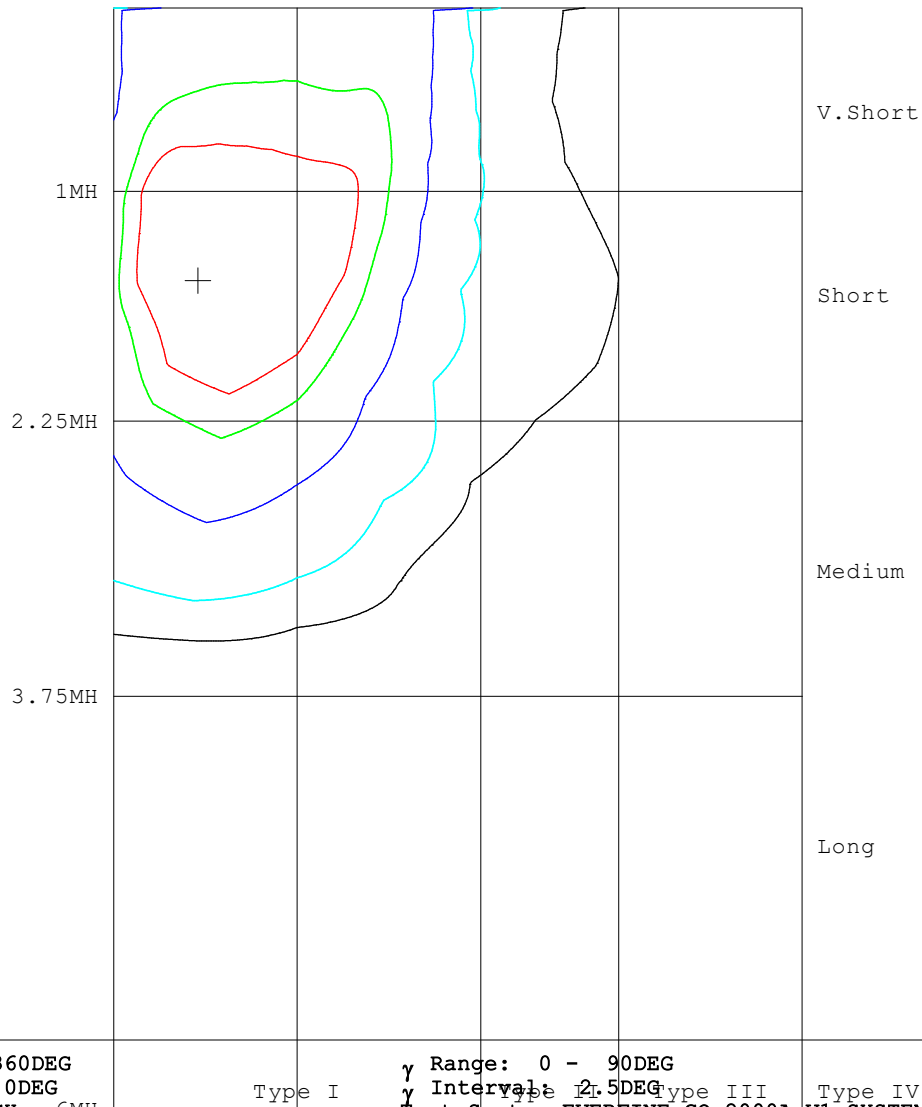
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:22 August 2022

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/WW	TYPE: 98Prague250/WW	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% 12573 Pavement

20% 9992.3 Road

50% 8980.7

5% 898.07

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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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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:

```