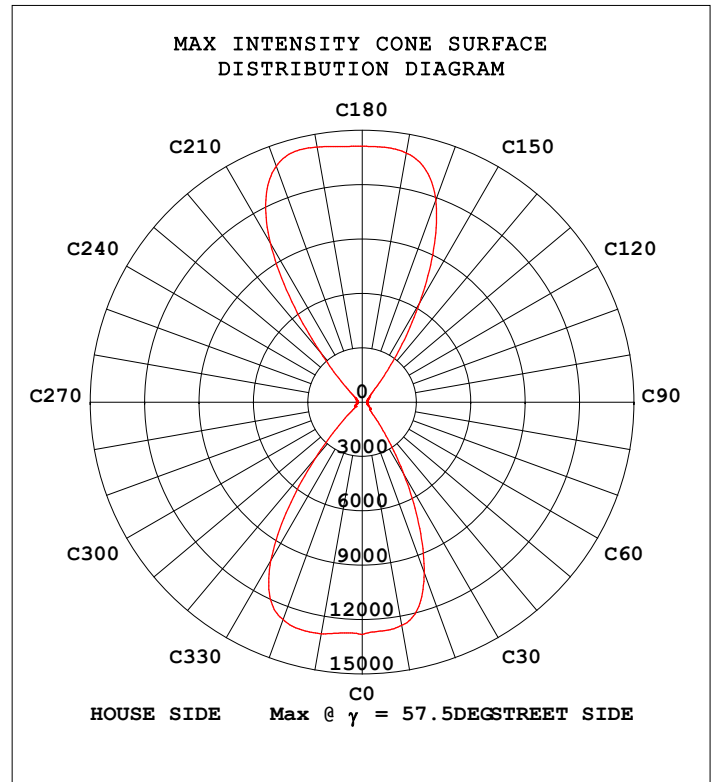
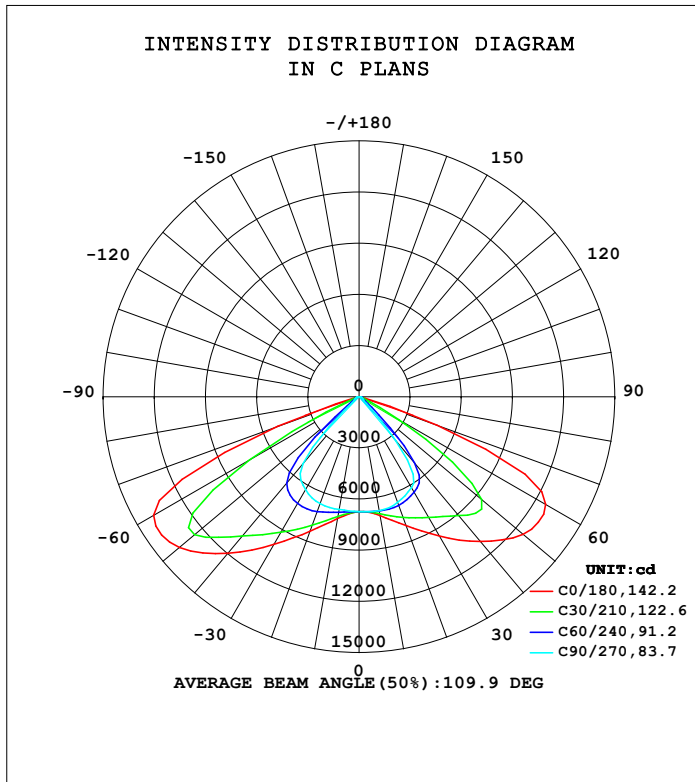


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague200/W	TYPE: 98Prague200/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	98Prague200/W	Imax (cd)	14296	η street_up(%)	0.0
NOMINAL POWER(W)	200	LOR(%)	103.6	η street_down(%)	48.3
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	24861	η house_up(%)	0.0
NOMINAL FLUX(lm)	24000	MAXIMUM @ (C, γ)	190,57.5	η house_down(%)	55.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	230	η down(%)	103.6	SLI	18.490

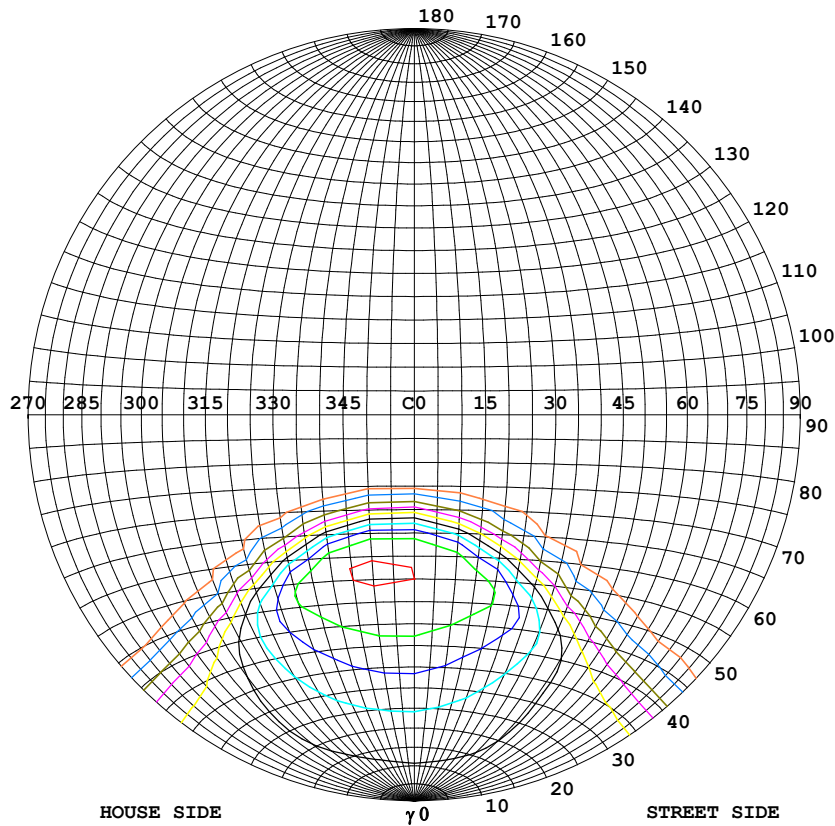


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 August 2022

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: 98Prague200/W	TYPE: 98Prague200/W	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



Classification:

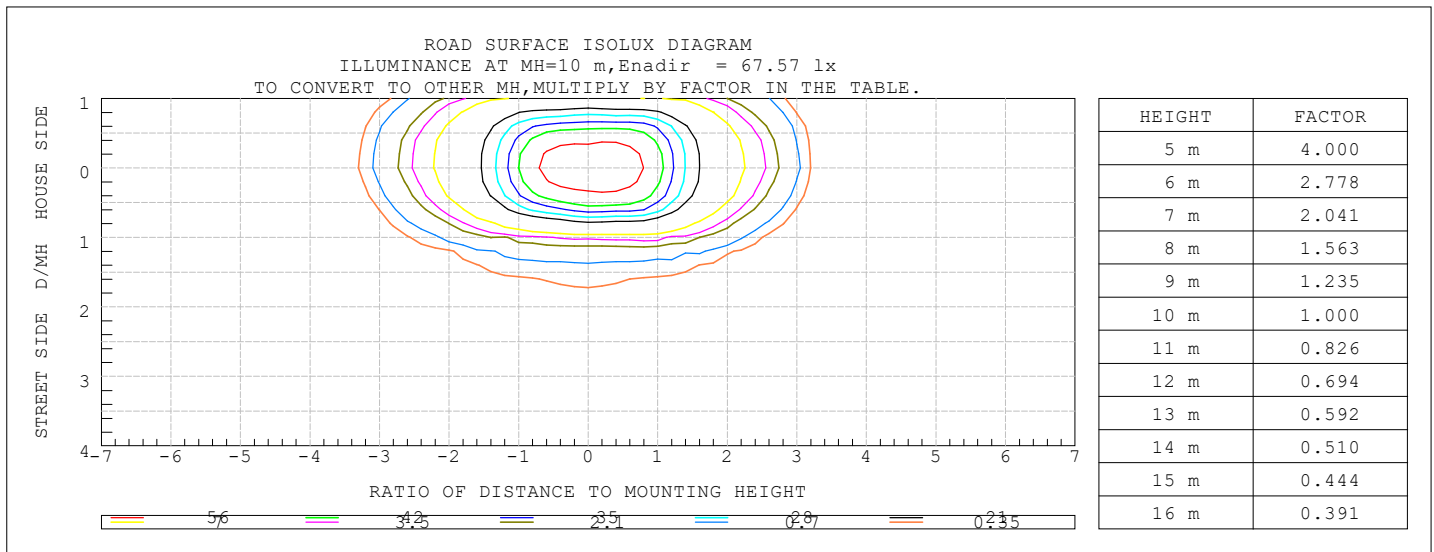
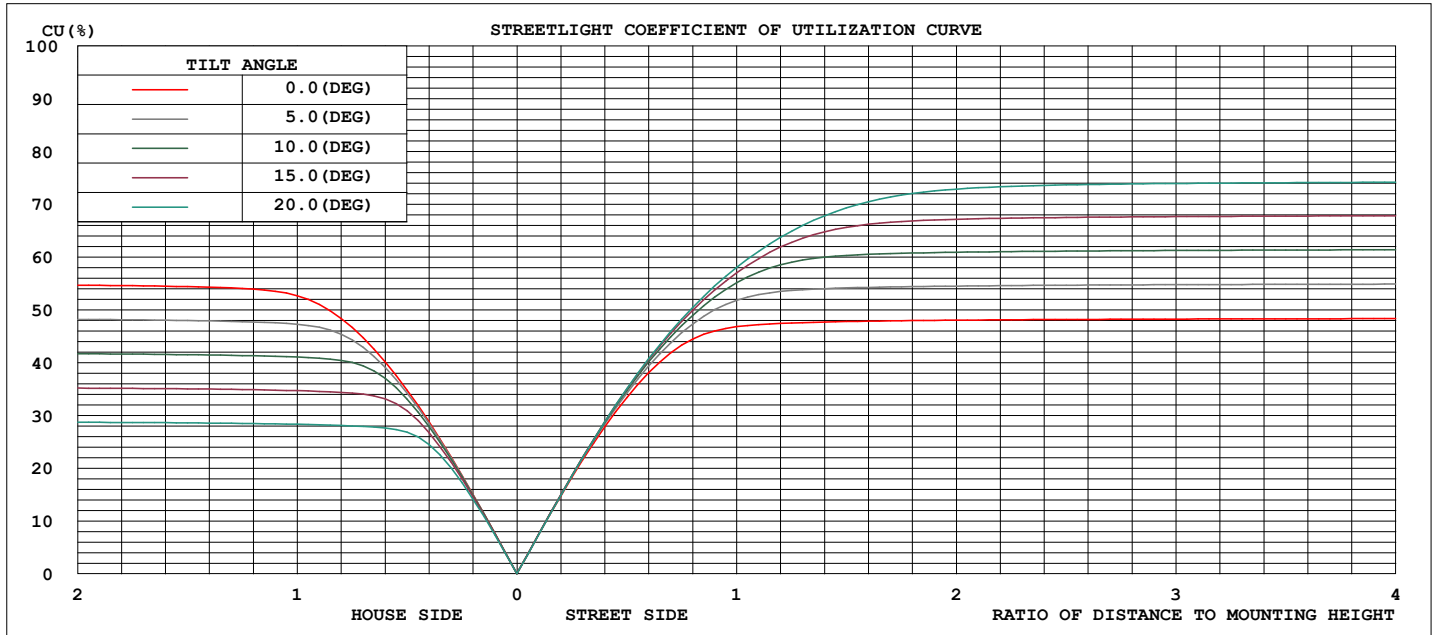
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:7.032cd/klm
 Max.At90:1.042cd/klm
 Max.80-90:7.032cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	14296
90%	12866
80%	11437
70%	10007
60%	8577
50%	7148
40%	5718
30%	4289
20%	2859
10%	1430
5%	715

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:03 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: 03 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: 98Prague200/W	TYPE: 98Prague200/W	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

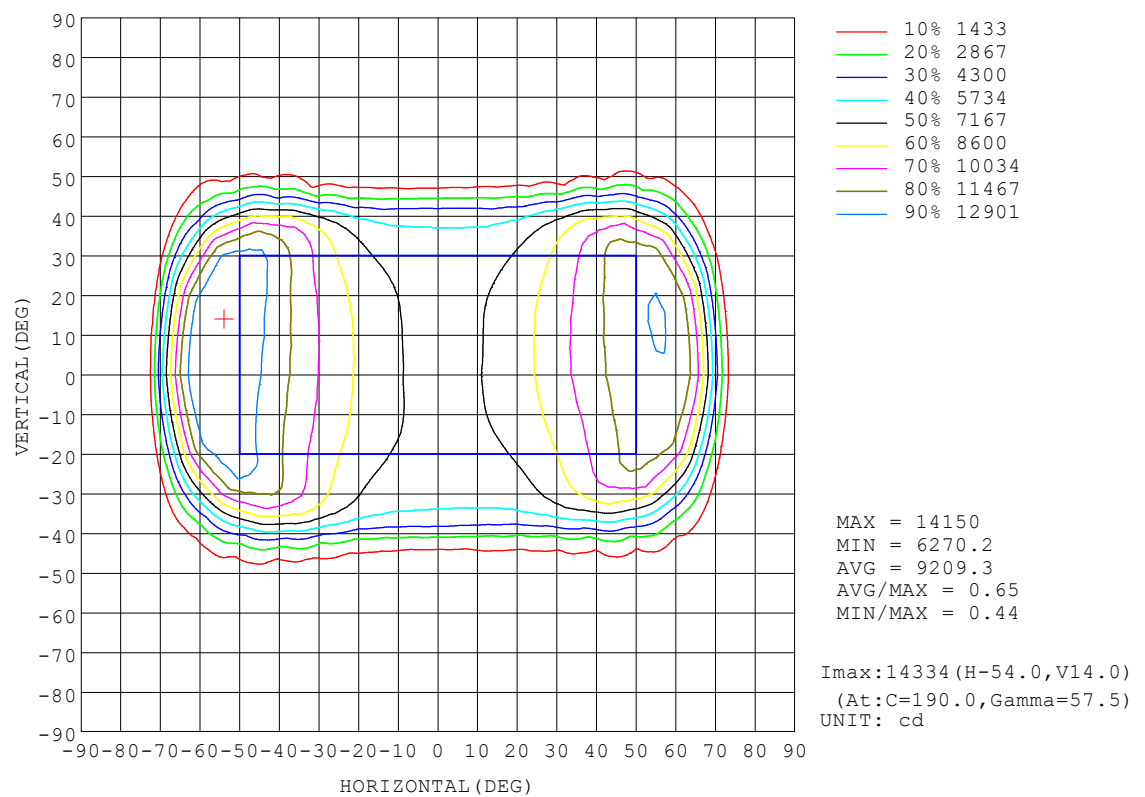
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	707.5	687.7	678.5	707.1	725.1	700.6	672.1	687.3	0- 10	654.1	654.1	2.63,2.73
20	803.7	714.5	660.3	757.1	838.8	760.5	667.2	738.4	10- 20	2043	2698	10.9,11.2
30	942.5	724.6	616.6	793.1	998.6	821.2	628.7	791.4	20- 30	3549	6247	25.1,26
40	1106	720.2	338.3	840.4	1198	883.6	511.9	830.3	30- 40	5035	11282	45.4,47
50	1255	354.5	41.35	504.6	1374	751.3	55.54	721.0	40- 50	5633	16915	68,70.5
60	1263	59.85	27.14	72.28	1391	132.3	29.34	119.0	50- 60	4891	21806	87.7,90.9
70	488.3	26.16	19.79	27.33	508.1	27.47	20.52	32.03	60- 70	2637	24443	98.3,102
80	16.88	10.46	12.23	9.230	10.30	11.61	13.25	11.05	70- 80	358.4	24801	99.8,103
90	2.501	0.9394	0.2031	0.9403	1.908	0.4796	0.6578	0.6170	80- 90	59.95	24861	100,104
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: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 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

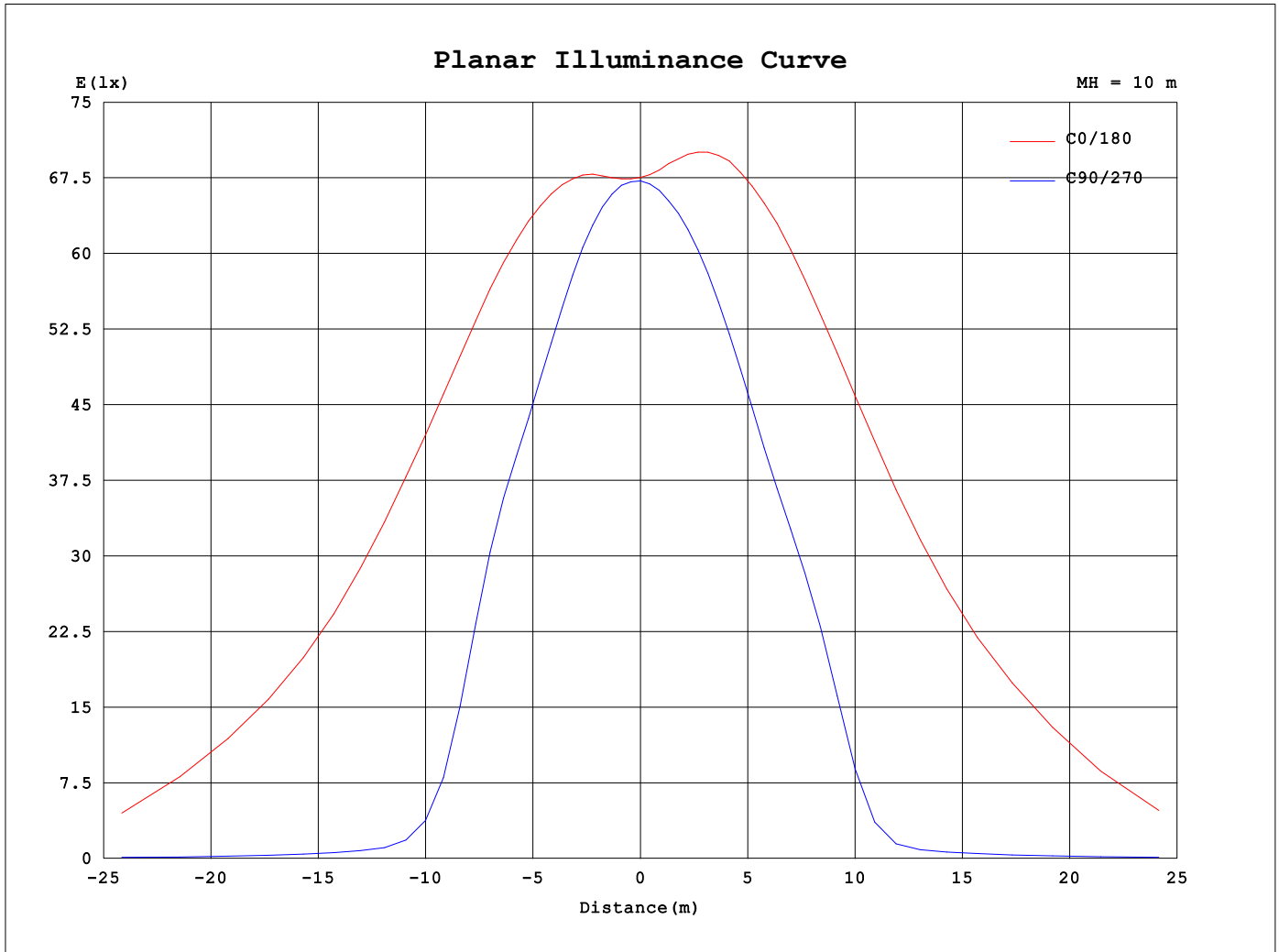
NAME: 98Prague200/W	TYPE: 98Prague200/W	WEIGHT: 1
SPEC.:	DIM.: 660 x 262x 100	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 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



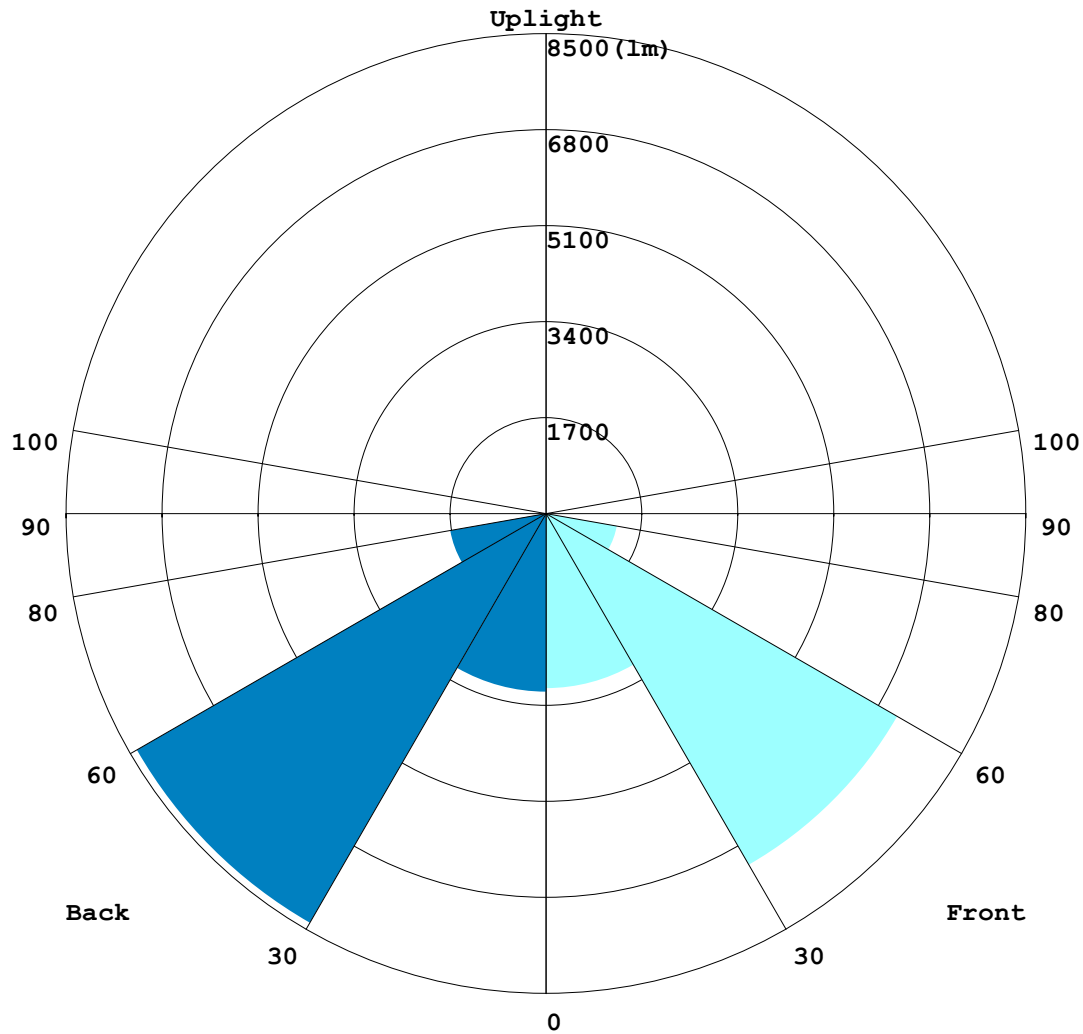
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 03 August 2022

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: 98Prague200/W	TYPE: 98Prague200/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: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 03 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: 98Prague200/W	TYPE: 98Prague200/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)	3092.7	12.4
FM - Front-Medium(30-60)	7186.5	28.9
FH - Front-High(60-80)	1275.1	5.1
FVH - Front-Very High(80-90)	27.544	0.1
Total Forward Light	11582	46.6

BL - Back-Low(0-30)	3154.2	12.7
BM - Back-Medium(30-60)	8372	33.7
BH - Back-High(60-80)	1720.3	6.9
BVH - Back-Very High(80-90)	32.401	0.1
Total Back Light	13279	53.4

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	B4-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13279	0	13279
Street Side	11582	0	11582

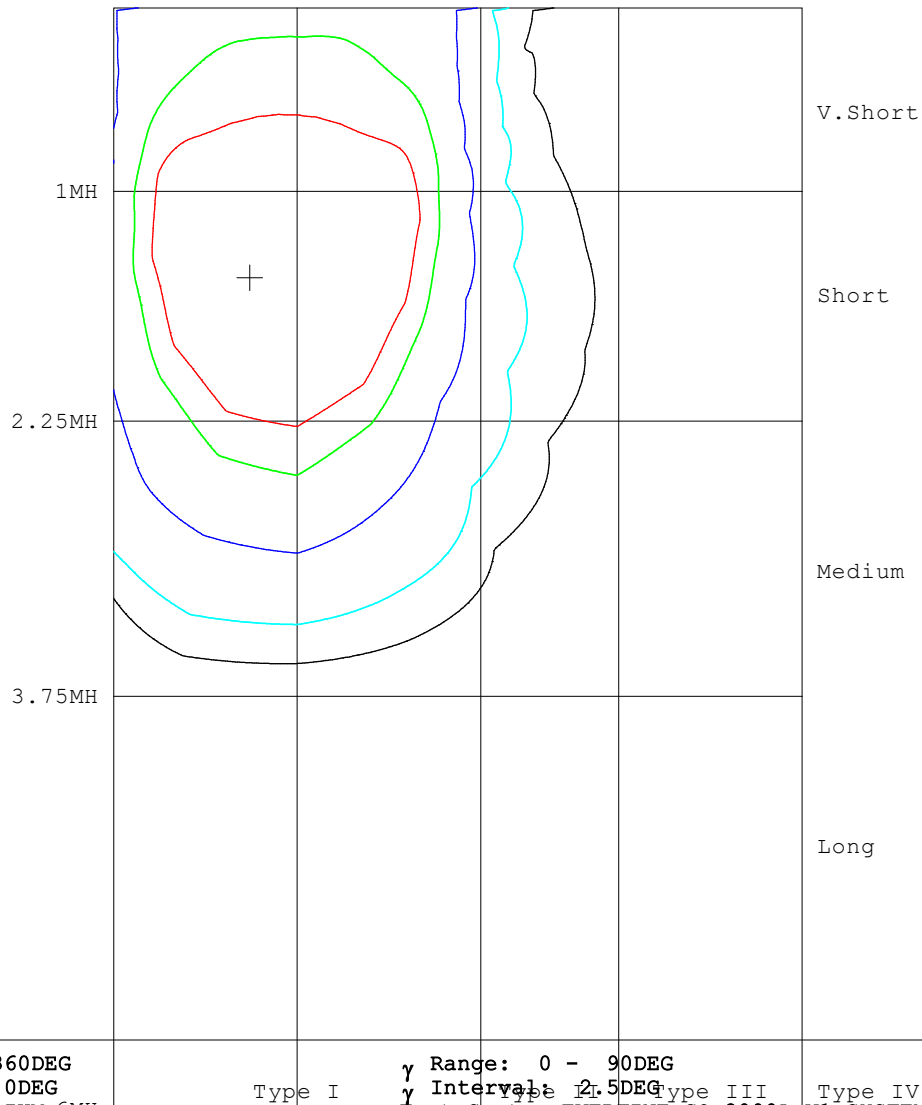
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 August 2022

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: 98Prague200/W	TYPE: 98Prague200/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: MEDIUM 6MH
Temperature: 25.3°C
Operators:
Test Date: 03 August 2022

70% 10052
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% 7180.1 5% 718.01

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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:

```