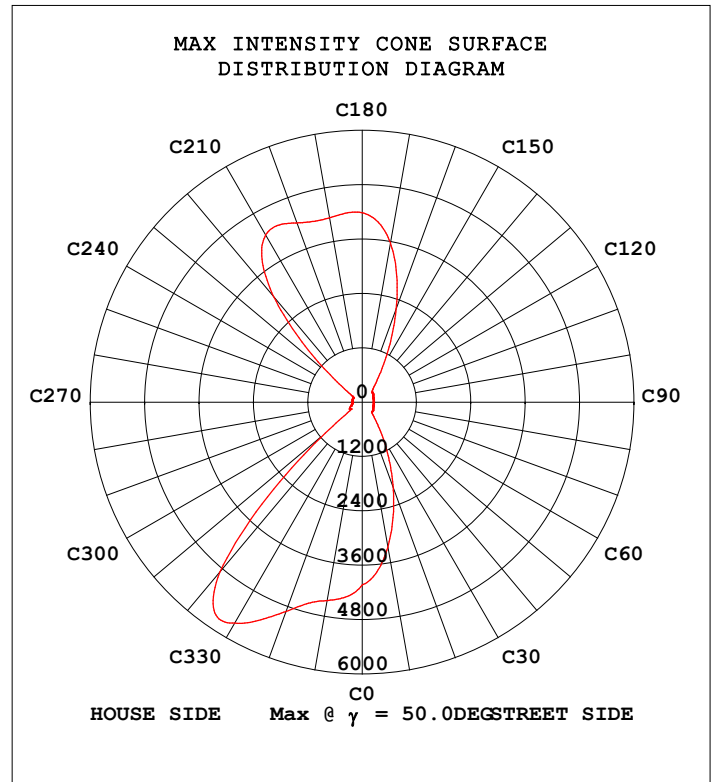
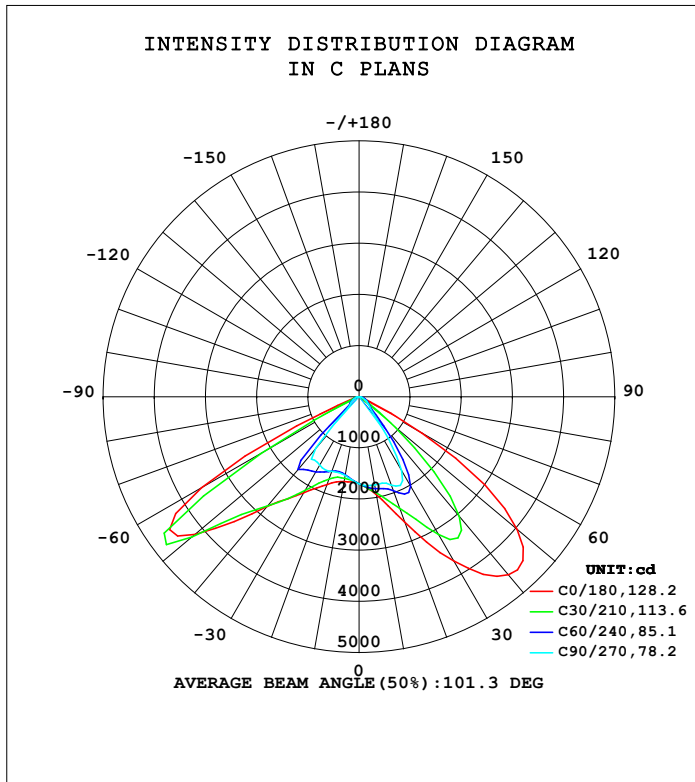


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague50/W	TYPE: 98Prague50/W	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/W	Imax (cd)	5628	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	106.1	η street_down (%)	42.8
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	6368	η house_up (%)	0.0
NOMINAL FLUX (lm)	6000	MAXIMUM @ (C, γ)	330, 50.0	η house_down (%)	63.4
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	106.1	SLI	16.235

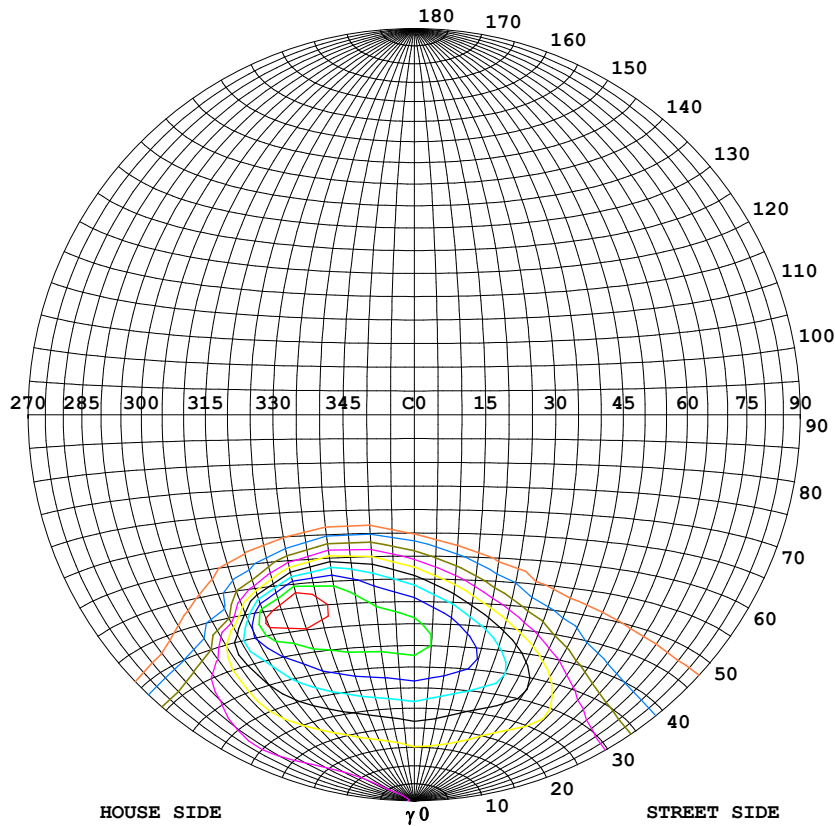


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 18 August 2022

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:

STREETLIGHT ISOCANDELA DIAGRAM

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



Classification:

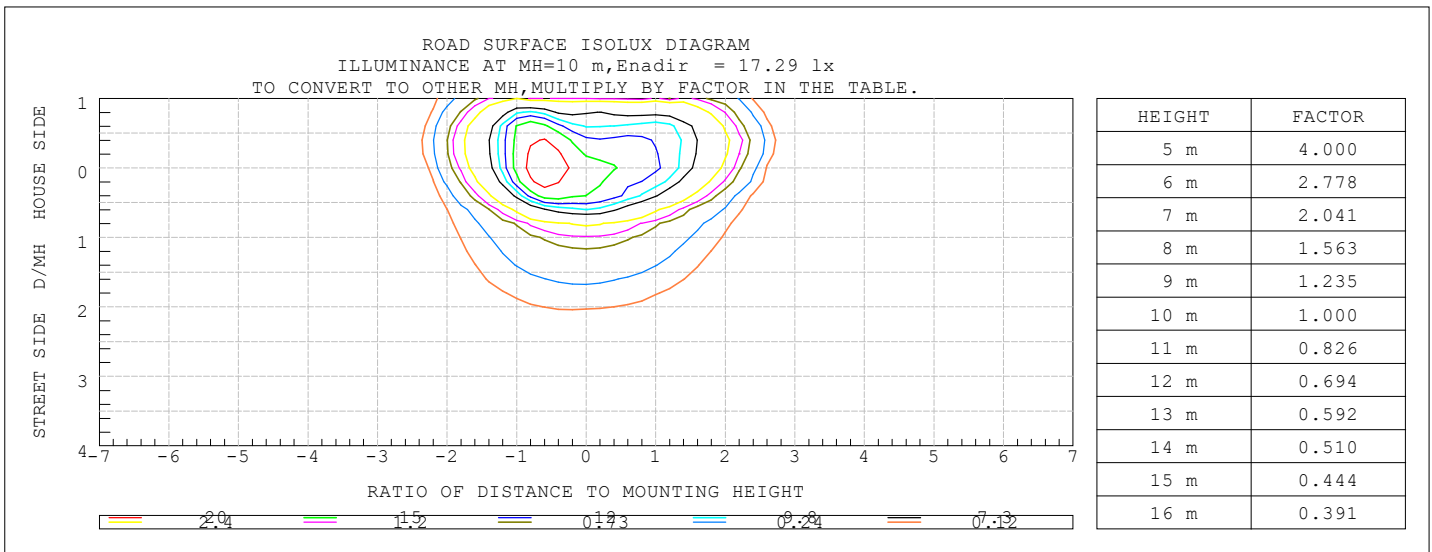
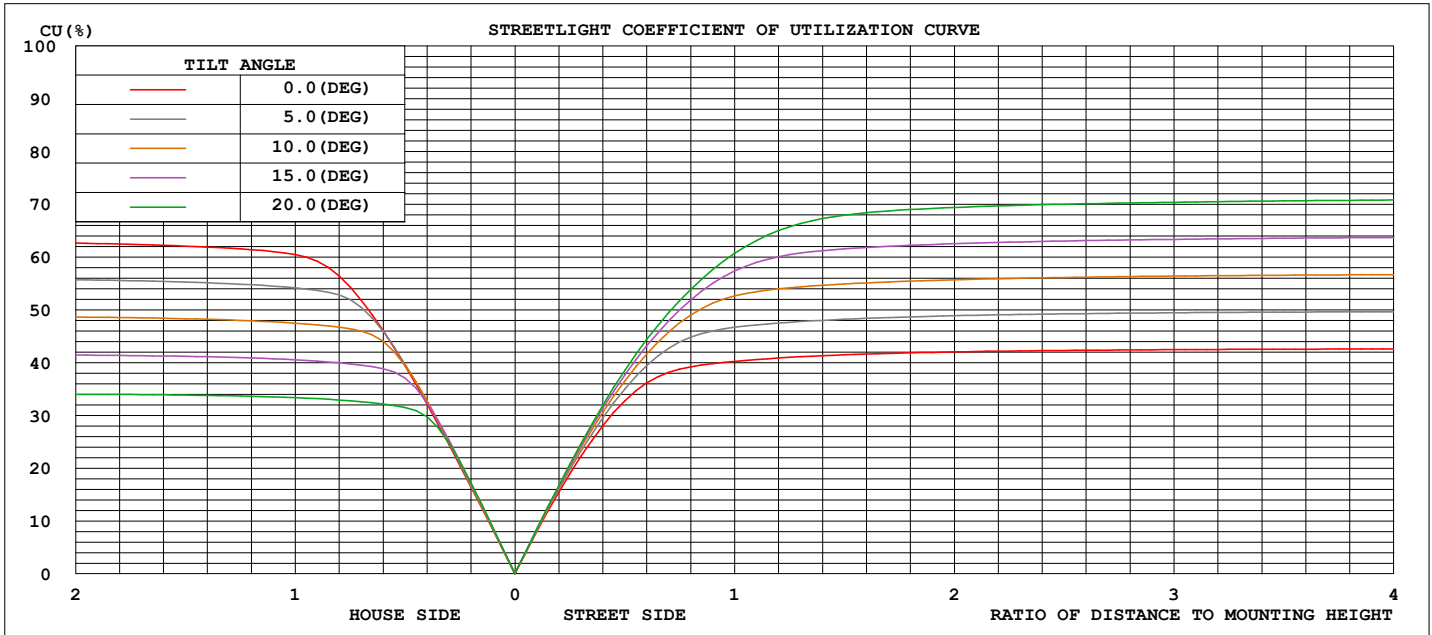
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:24.83cd/klm
 Max.At90:0.9651cd/klm
 Max.80-90:24.83cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5628
90%	5065
80%	4502
70%	3940
60%	3377
50%	2814
40%	2251
30%	1688
20%	1126
10%	563
5%	281

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

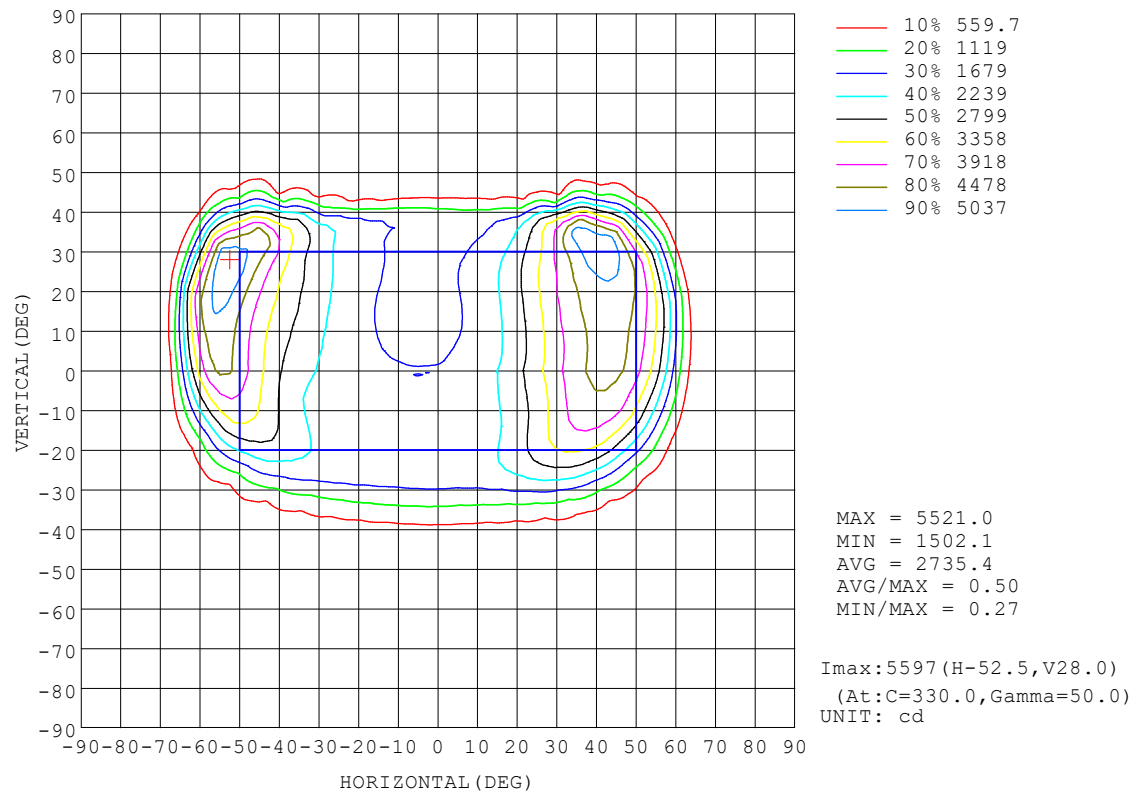
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1938	1868	1753	1724	1683	1581	1563	1759	0- 10	163.9	163.9	2.57,2.73
20	2605	2112	1837	1736	1824	1620	1556	2101	10- 20	514.8	678.7	10.7,11.3
30	3708	2574	1668	1973	2167	1902	1543	2779	20- 30	979.7	1658	26,27.6
40	4544	1656	454.7	1368	2803	2278	1313	3520	30- 40	1448	3107	48.8,51.8
50	4035	340.5	250.5	337.2	4183	1948	225.4	2972	40- 50	1560	4667	73.3,77.8
60	1428	185.1	170.2	199.7	3556	237.8	148.4	309.6	50- 60	1208	5874	92.2,97.9
70	107.8	118.7	75.51	117.2	179.8	119.4	85.52	125.7	60- 70	388.6	6263	98.3,104
80	34.98	35.74	37.95	38.40	51.12	47.41	44.88	50.45	70- 80	85.52	6349	99.7,106
90	5.462	2.588	0.7397	1.997	2.362	0.9342	1.122	0.9663	80- 90	19.76	6368	100,106
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

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

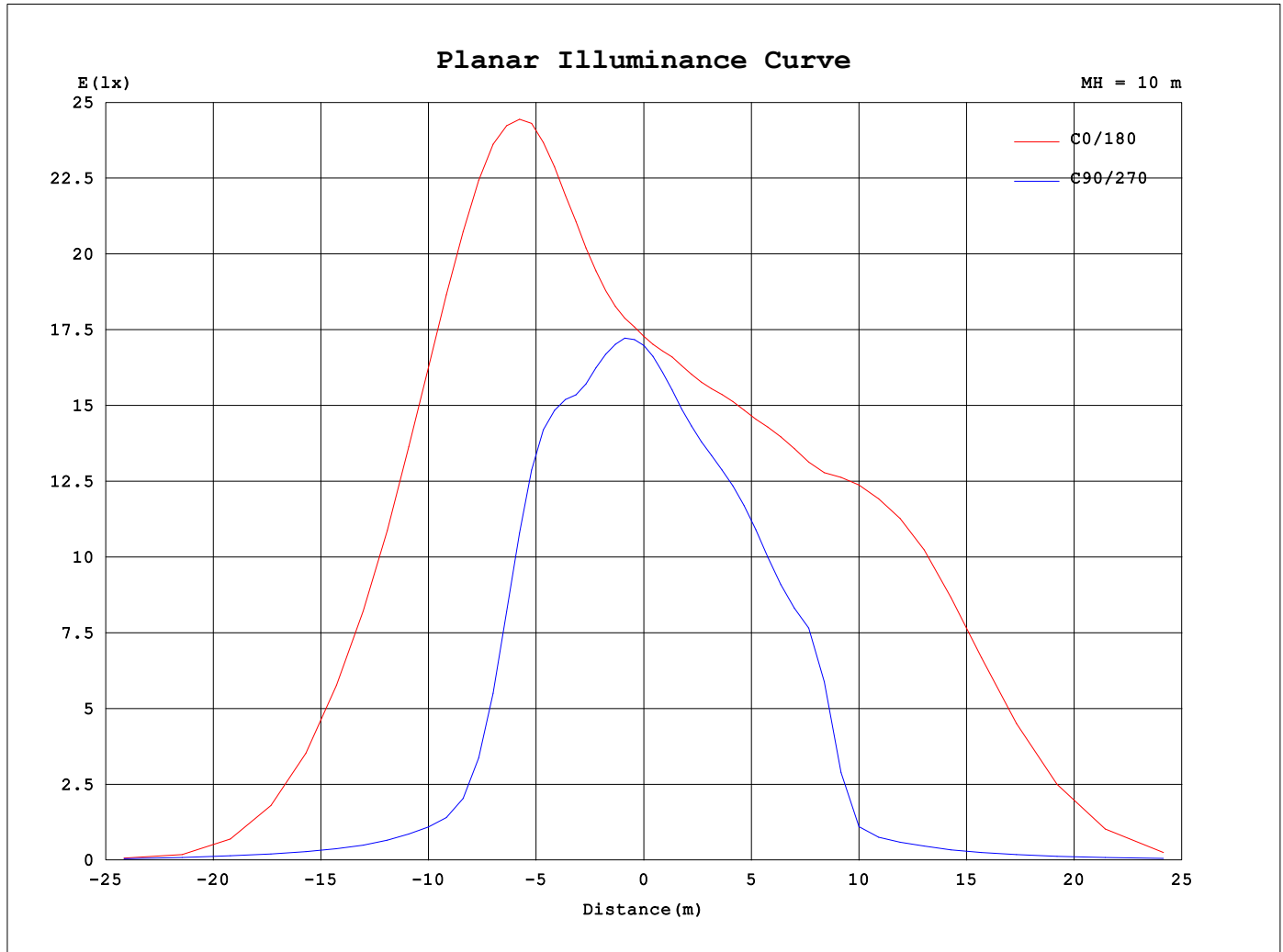
NAME: 98Prague50/W	TYPE: 98Prague50/W	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



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

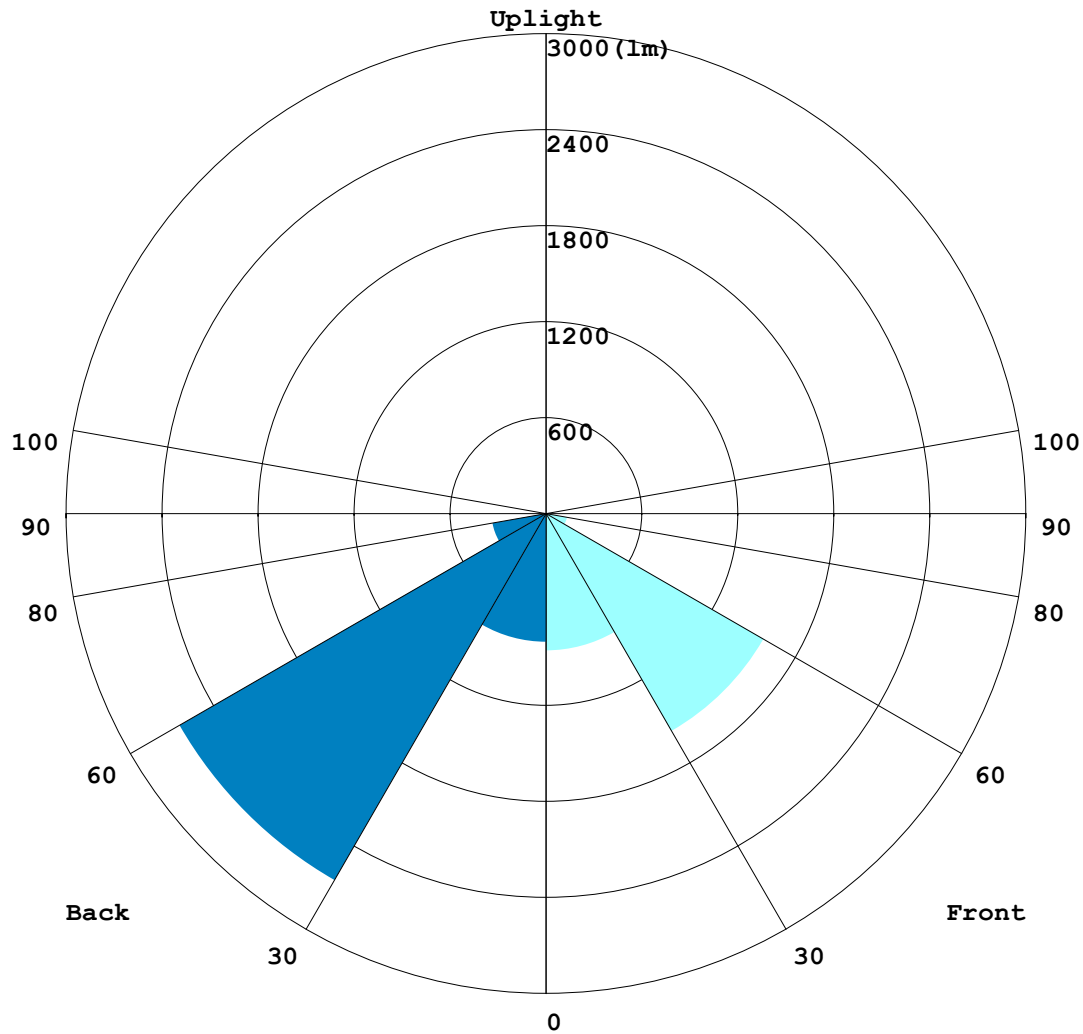


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 18 August 2022

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: 98Prague50/W	TYPE: 98Prague50/W	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/W	TYPE: 98Prague50/W	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)	856.4	13.4
FM - Front-Medium(30-60)	1569.5	24.6
FH - Front-High(60-80)	133.29	2.1
FVH - Front-Very High(80-90)	7.6952	0.1
Total Forward Light	2566.9	40.3

BL - Back-Low(0-30)	802.01	12.6
BM - Back-Medium(30-60)	2646.5	41.6
BH - Back-High(60-80)	340.85	5.4
BVH - Back-Very High(80-90)	12.066	0.2
Total Back Light	3801.4	59.7

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-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3801.4	0	3801.4
Street Side	2566.9	0	2566.9

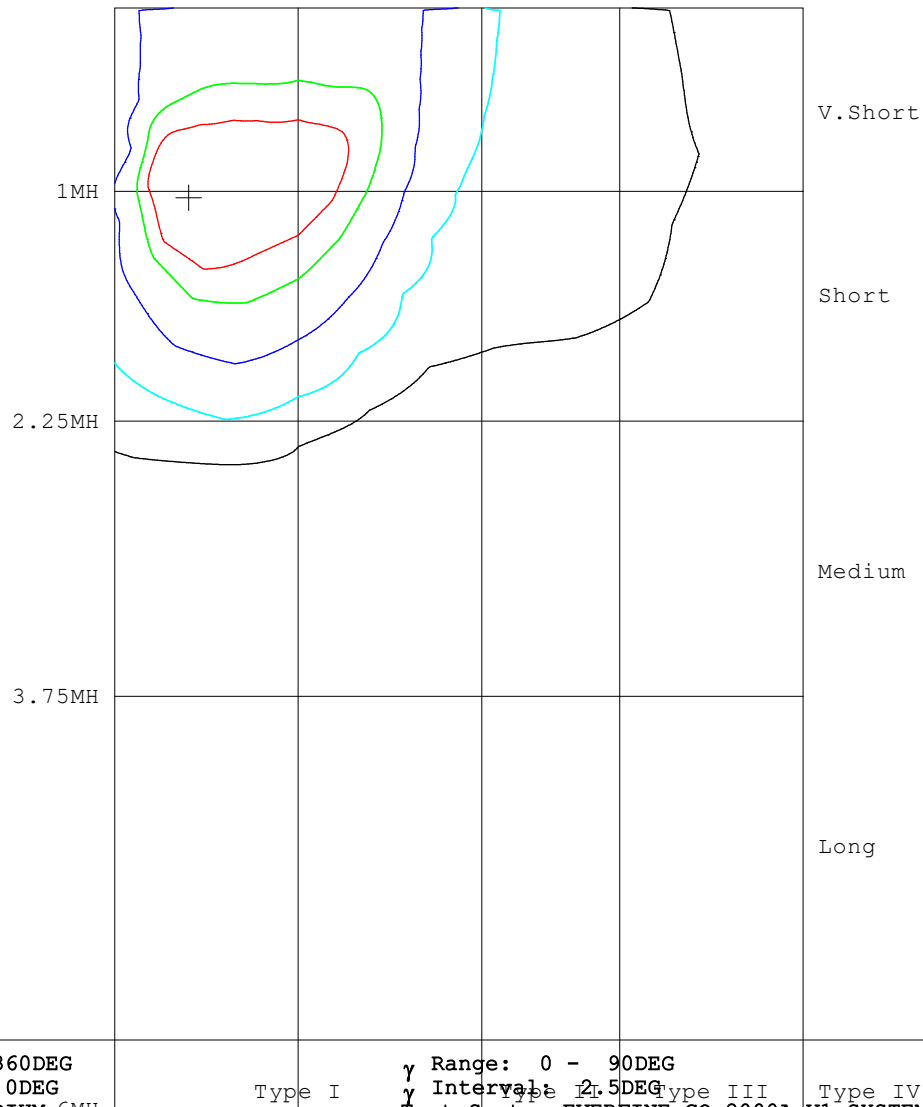
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:18 August 2022

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/W	TYPE: 98Prague50/W	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

Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

70% 3913.6
50% 2795.4
5% 279.54

```

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:

```