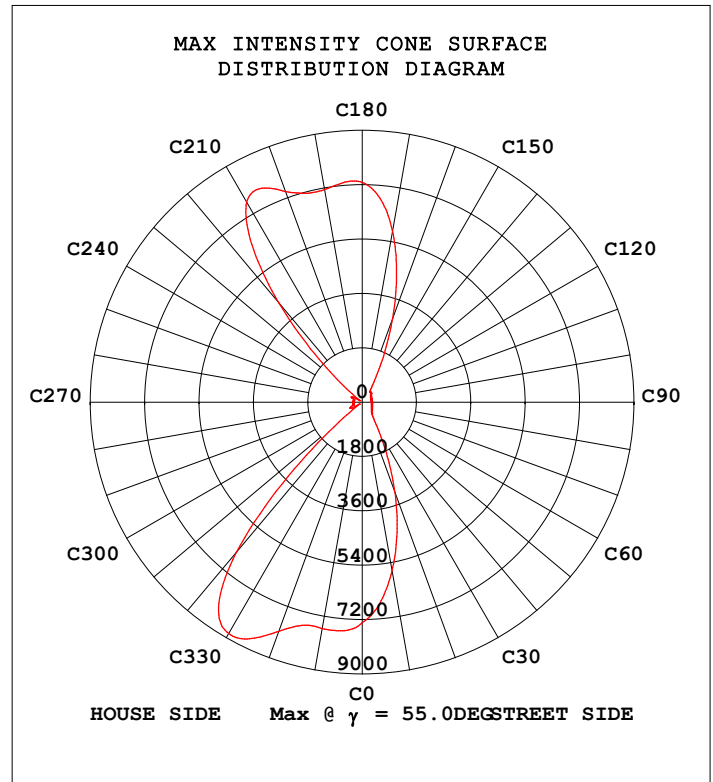
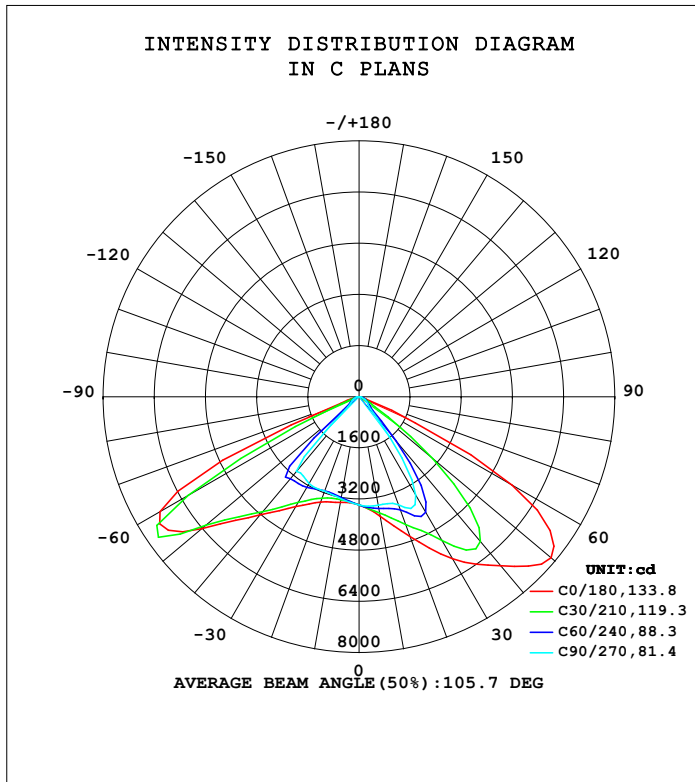


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague100SMD	TYPE: 98Prague100SMD	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	98Prague100SMD	Imax (cd)	8843	η street_up (%)	0.0
NOMINAL POWER (W)	100	LOR (%)	103.1	η street_down (%)	42.3
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	12369	η house_up (%)	0.0
NOMINAL FLUX (lm)	12000	MAXIMUM @ (C, γ)	330, 55.0	η house_down (%)	60.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	103.1	SLI	16.781

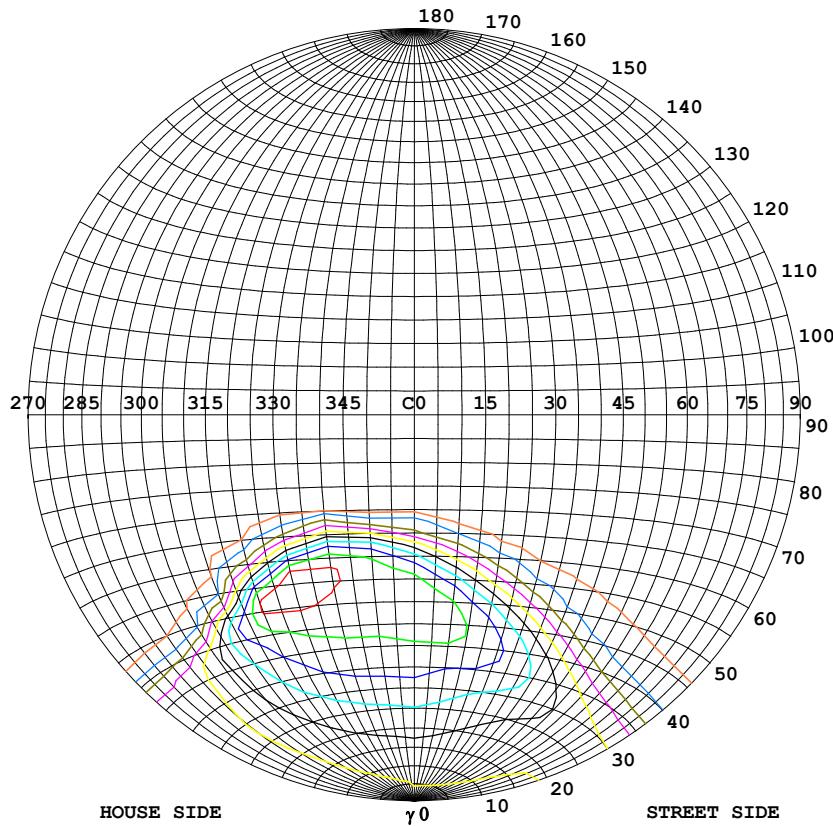


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 18 August 2022

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: 98Prague100SMD	TYPE: 98Prague100SMD	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



Classification:

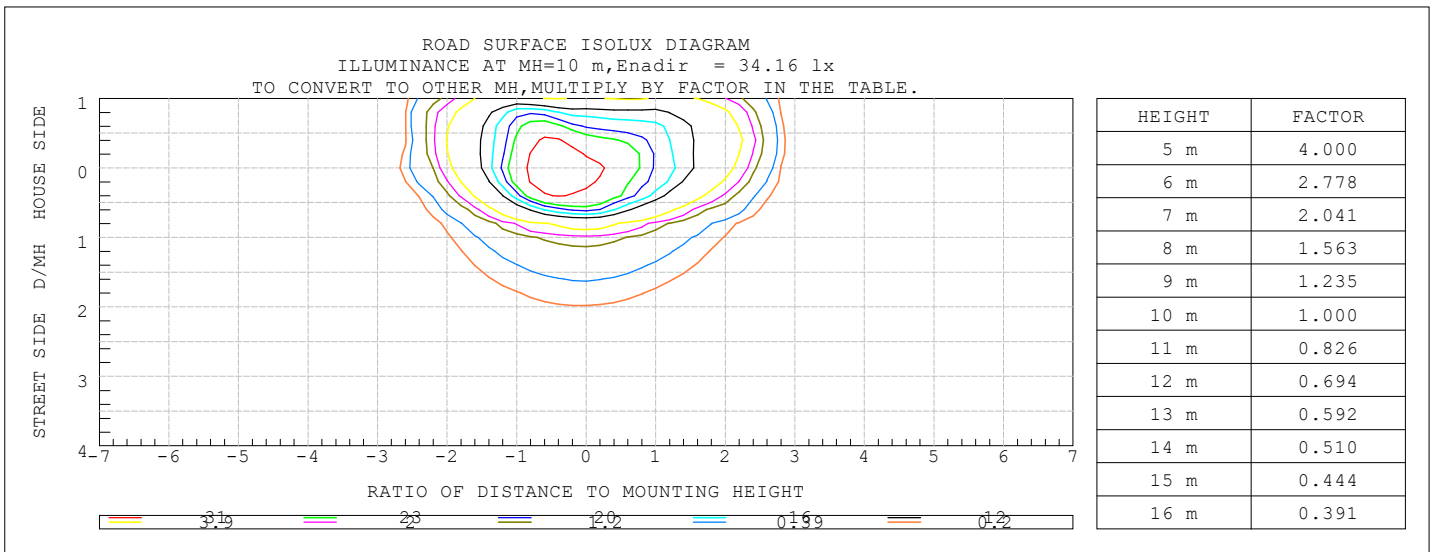
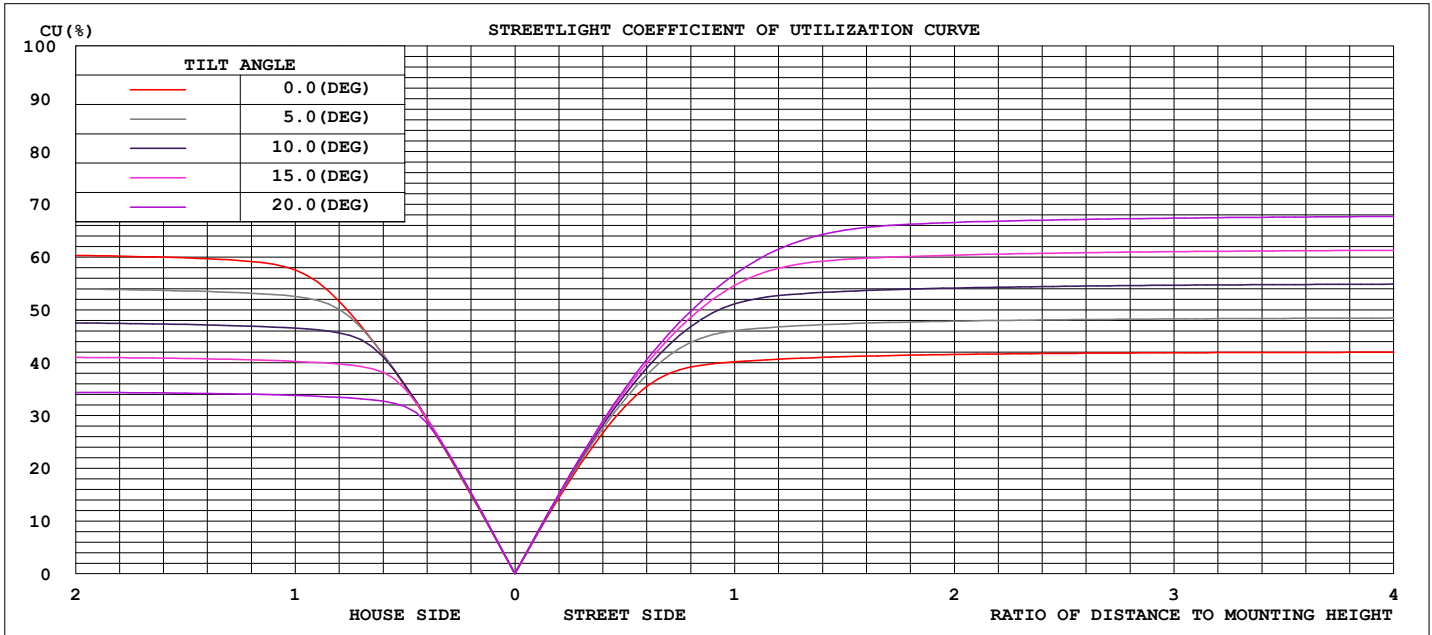
IES:Type V - Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:9.945cd/klm
Max.At90:1.020cd/klm
Max.80-90:9.945cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	8843
90%	7959
80%	7075
70%	6190
60%	5306
50%	4422
40%	3537
30%	2653
20%	1769
10%	884
5%	442

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: 98Prague100SMD	TYPE: 98Prague100SMD	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

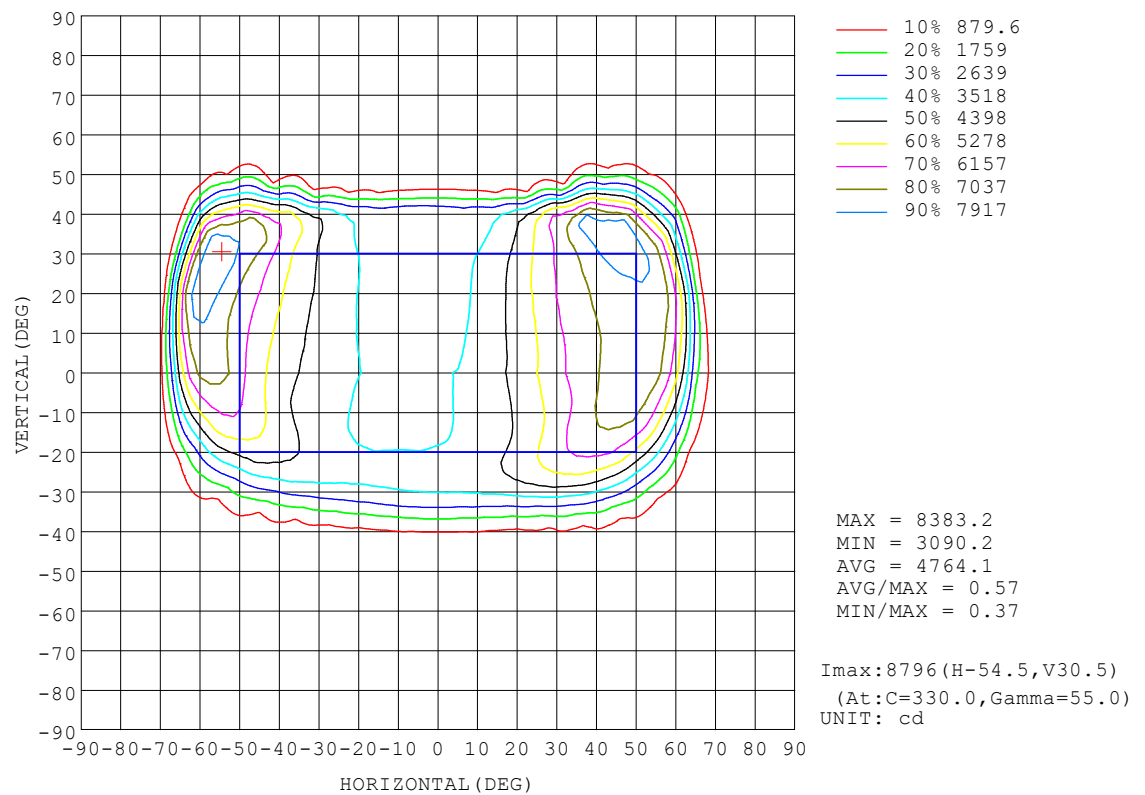
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3788	3617	3448	3386	3352	3232	3245	3547	0- 10	326.2	326.2	2.64, 2.72
20	4646	3976	3595	3415	3502	3251	3149	4077	10- 20	1011	1337	10.8, 11.1
30	5844	4803	3559	3750	3966	3547	3132	4871	20- 30	1830	3167	25.6, 26.4
40	6896	3770	899.5	2957	4830	4006	3050	5778	30- 40	2605	5772	46.7, 48.1
50	7840	807.6	378.5	611.7	6422	4414	379.8	6445	40- 50	2819	8591	69.5, 71.6
60	5522	332.6	253.0	306.5	7187	537.4	251.0	1334	50- 60	2439	11031	89.2, 91.9
70	272.2	185.0	124.7	172.1	600.7	197.9	160.7	219.7	60- 70	1148	12179	98.5, 101
80	54.65	50.31	59.65	48.28	69.18	83.81	88.99	95.69	70- 80	155.7	12335	99.7, 103
90	11.68	5.912	1.328	5.508	7.178	1.886	4.881	1.854	80- 90	34.27	12369	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

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

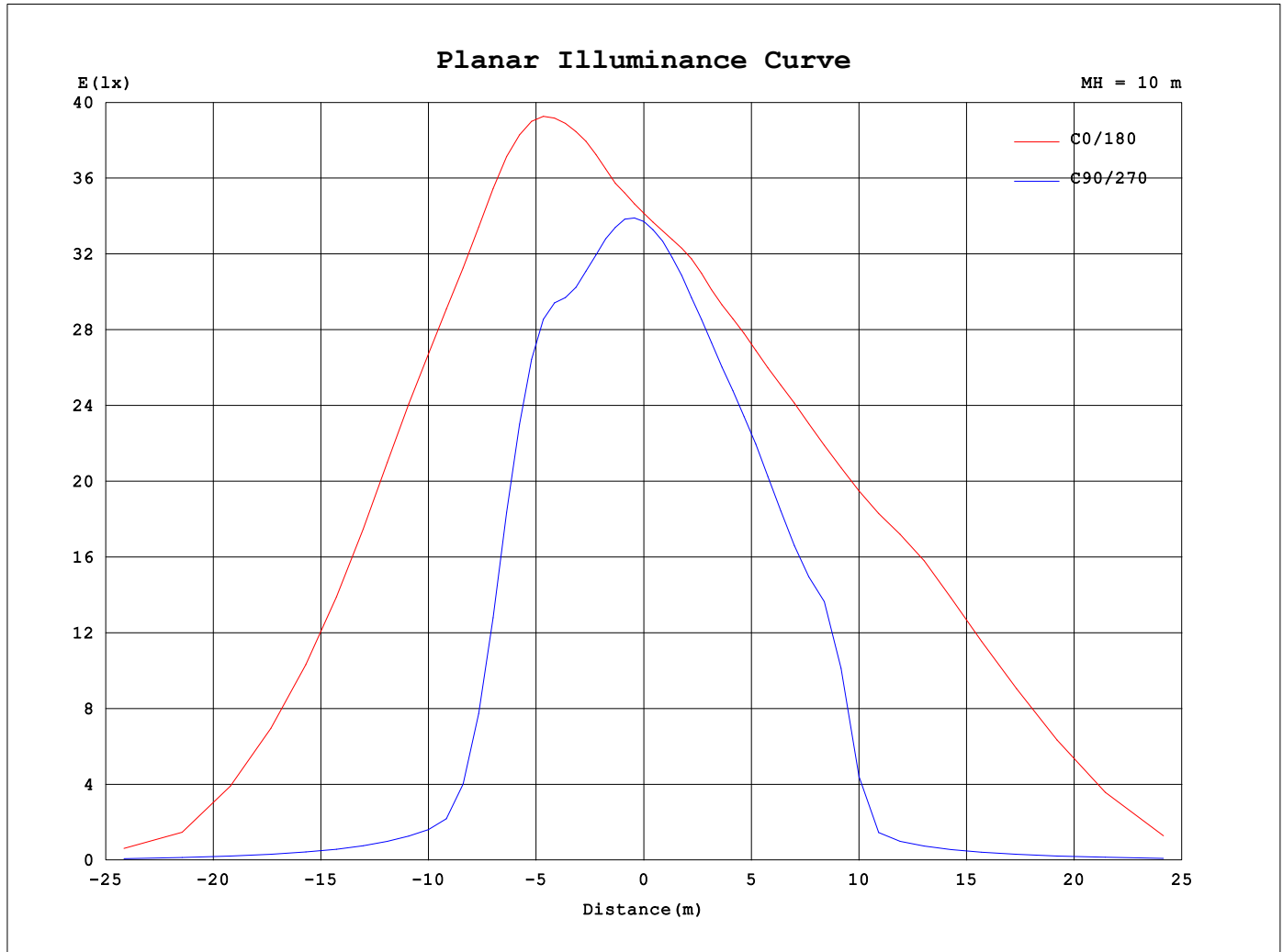
NAME: 98Prague100SMD	TYPE: 98Prague100SMD	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



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



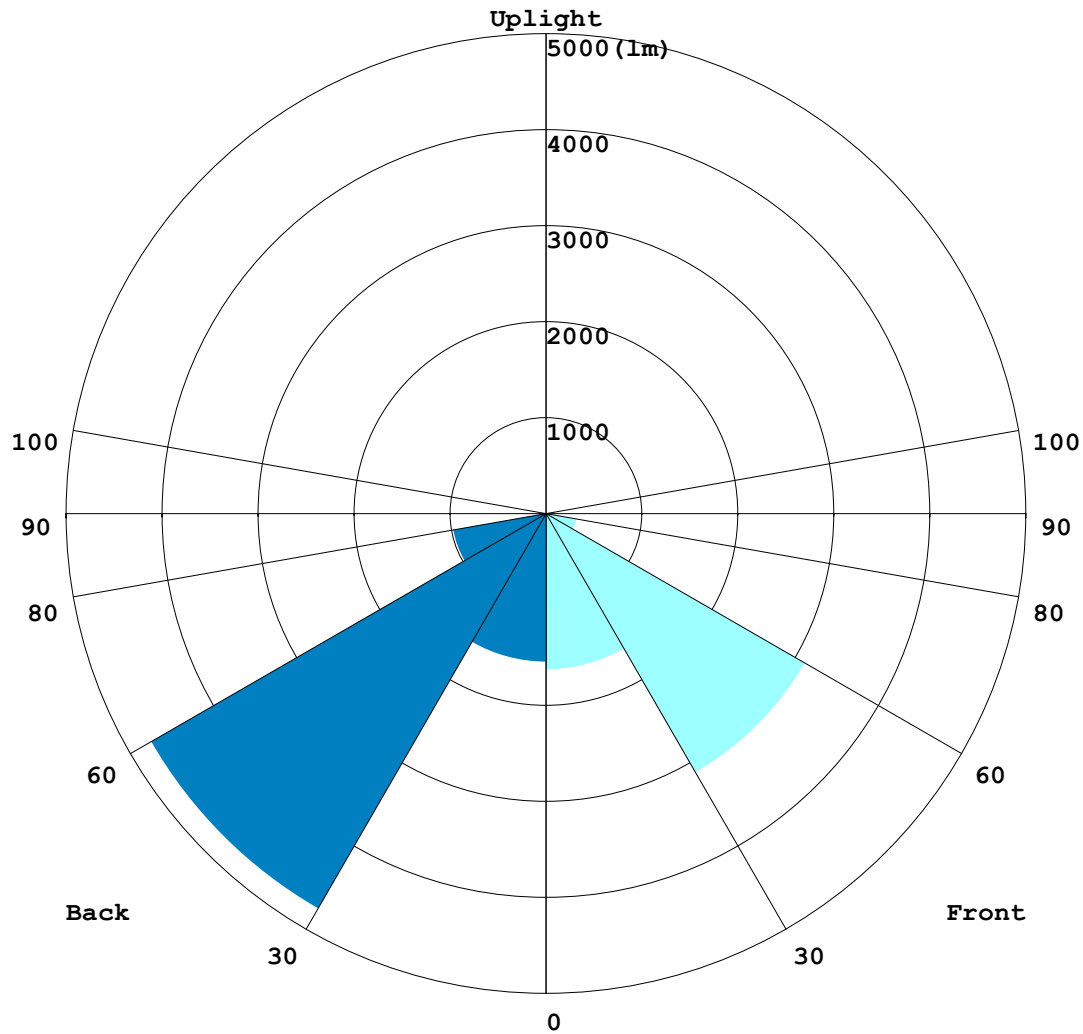
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 18 August 2022

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: 98Prague100SMD	TYPE: 98Prague100SMD	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: 98Prague100SMD	TYPE: 98Prague100SMD	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)	1624.4	13.1
FM - Front-Medium(30-60)	3112.8	25.2
FH - Front-High(60-80)	323.58	2.6
FVH - Front-Very High(80-90)	12.333	0.1
Total Forward Light	5073.2	41.0

BL - Back-Low(0-30)	1542.7	12.5
BM - Back-Medium(30-60)	4750.6	38.4
BH - Back-High(60-80)	980.44	7.9
BVH - Back-Very High(80-90)	21.937	0.2
Total Back Light	7295.7	59.0

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	7295.7	0	7295.7
Street Side	5073.2	0	5073.2

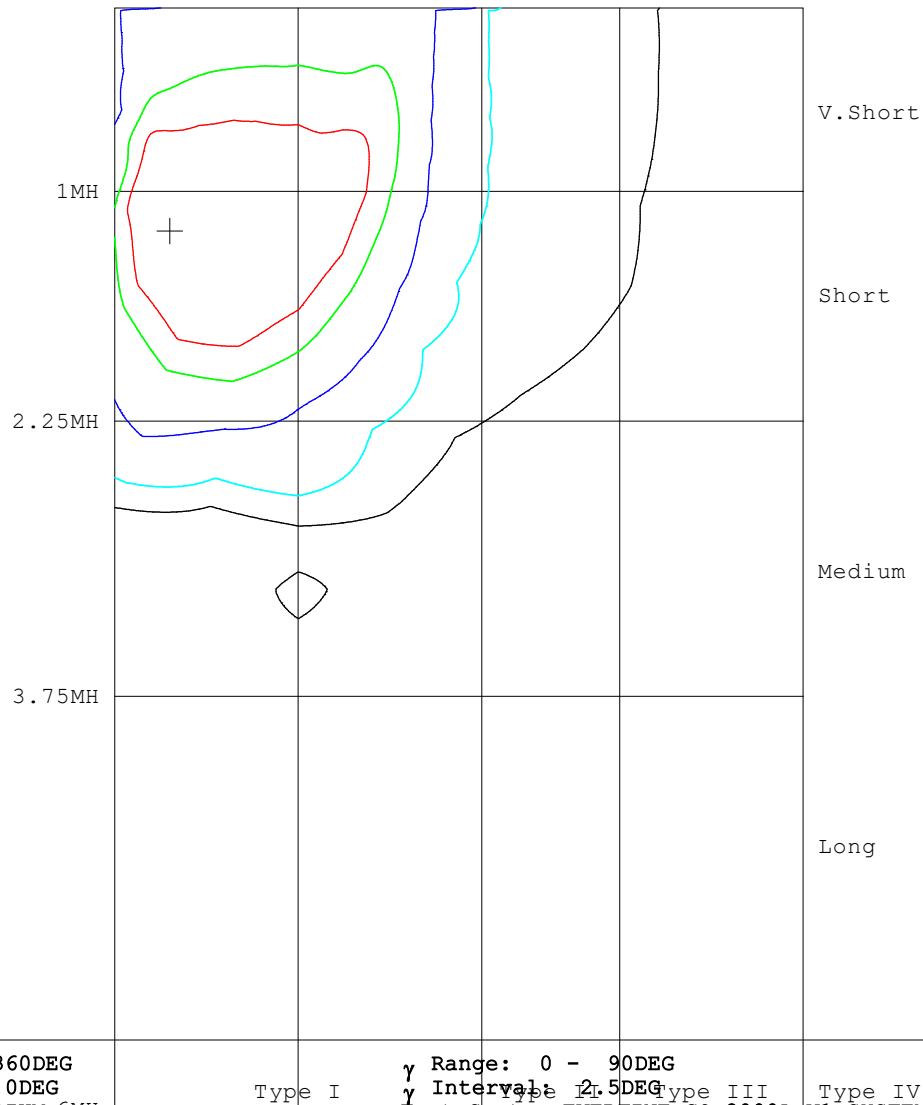
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:18 August 2022

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: 98Prague100SMD	TYPE: 98Prague100SMD	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

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:

70% 6187.2
Pavement

20% 1767.8
Road

50% 4419.4 5% 441.94

```

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:

```