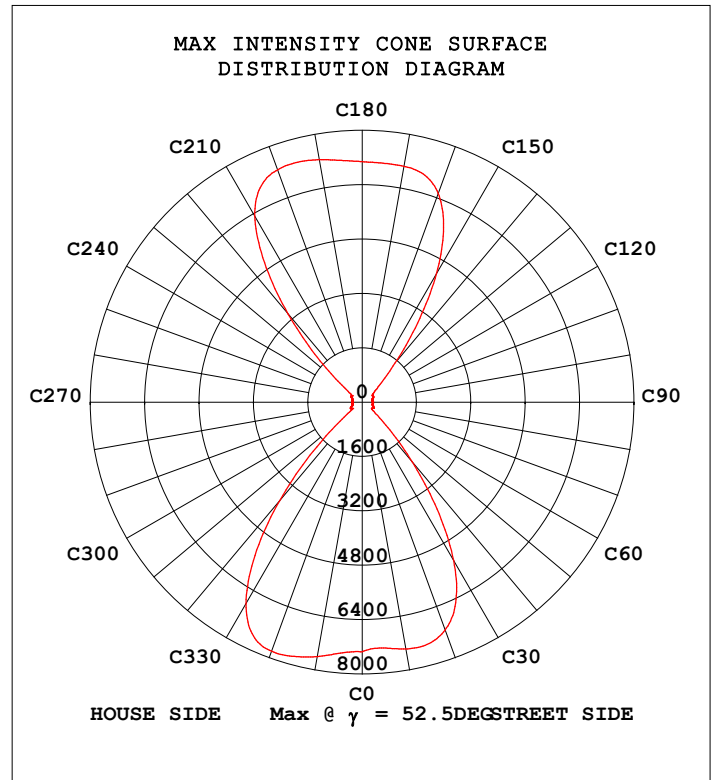
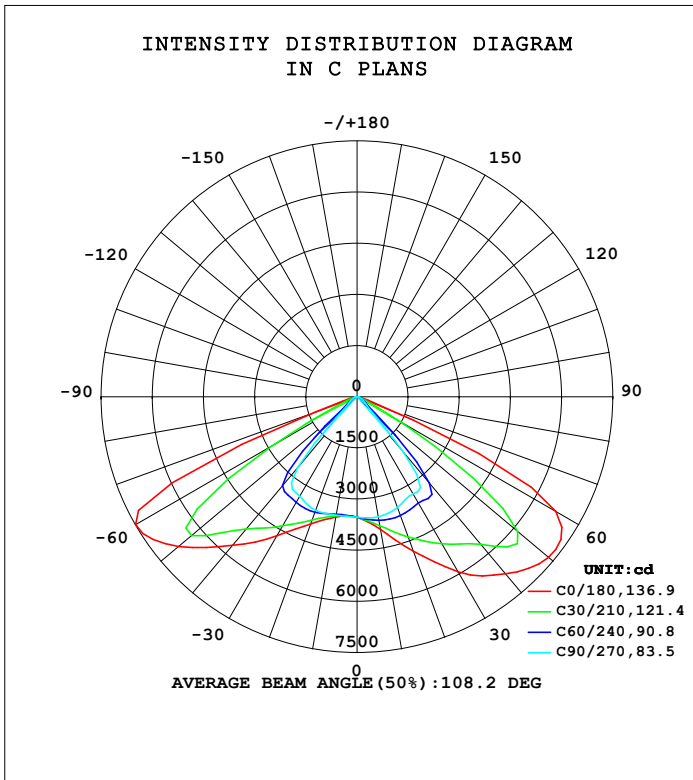


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague100/W	TYPE: 98Prague100/W	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/W	Imax (cd)	7798	η street_up (%)	0.0
NOMINAL POWER (W)	100	LOR (%)	107.5	η street_down (%)	50.7
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	12899	η house_up (%)	0.0
NOMINAL FLUX (lm)	12000	MAXIMUM @ (C, γ)	340, 52.5	η house_down (%)	56.8
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	107.5	SLI	16.782

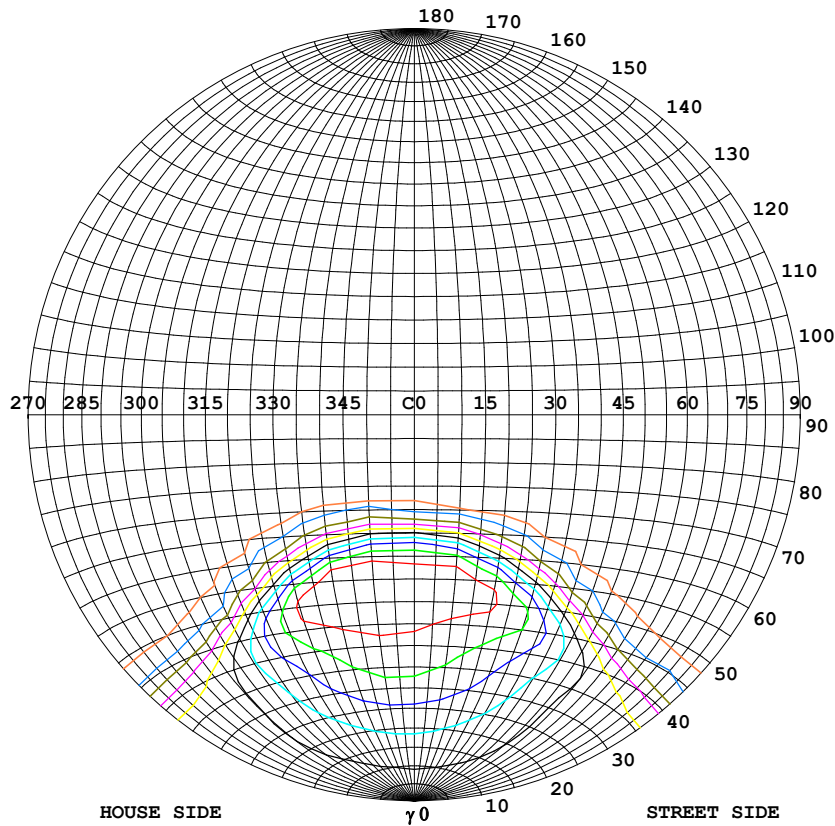


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 18 August 2022

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



Classification:

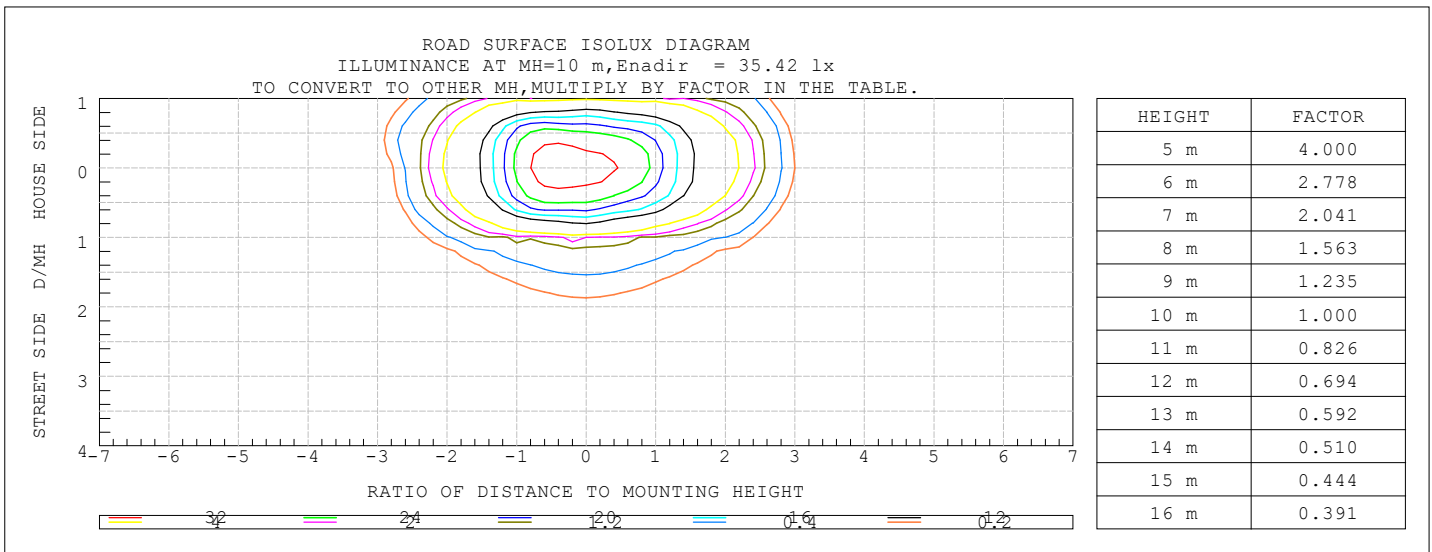
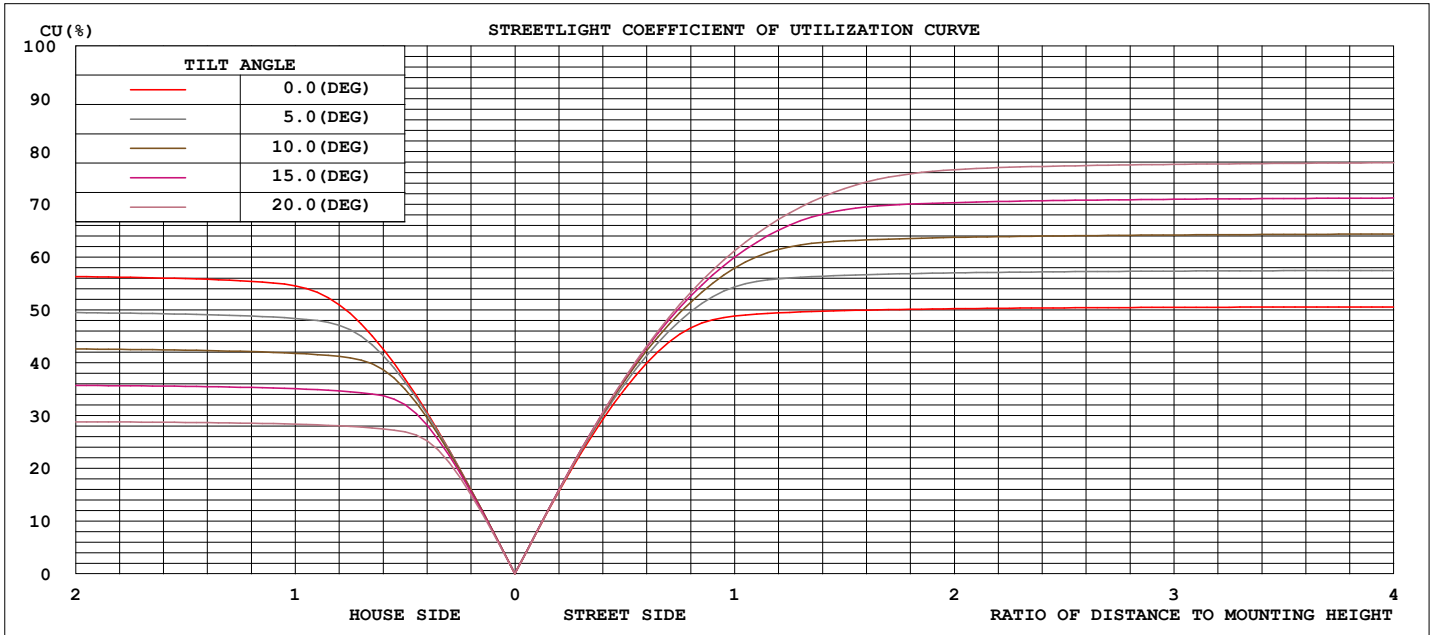
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:7.229cd/klm
 Max.At90:1.045cd/klm
 Max.80-90:7.229cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	7798
90%	7018
80%	6239
70%	5459
60%	4679
50%	3899
40%	3119
30%	2339
20%	1560
10%	780
5%	390

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

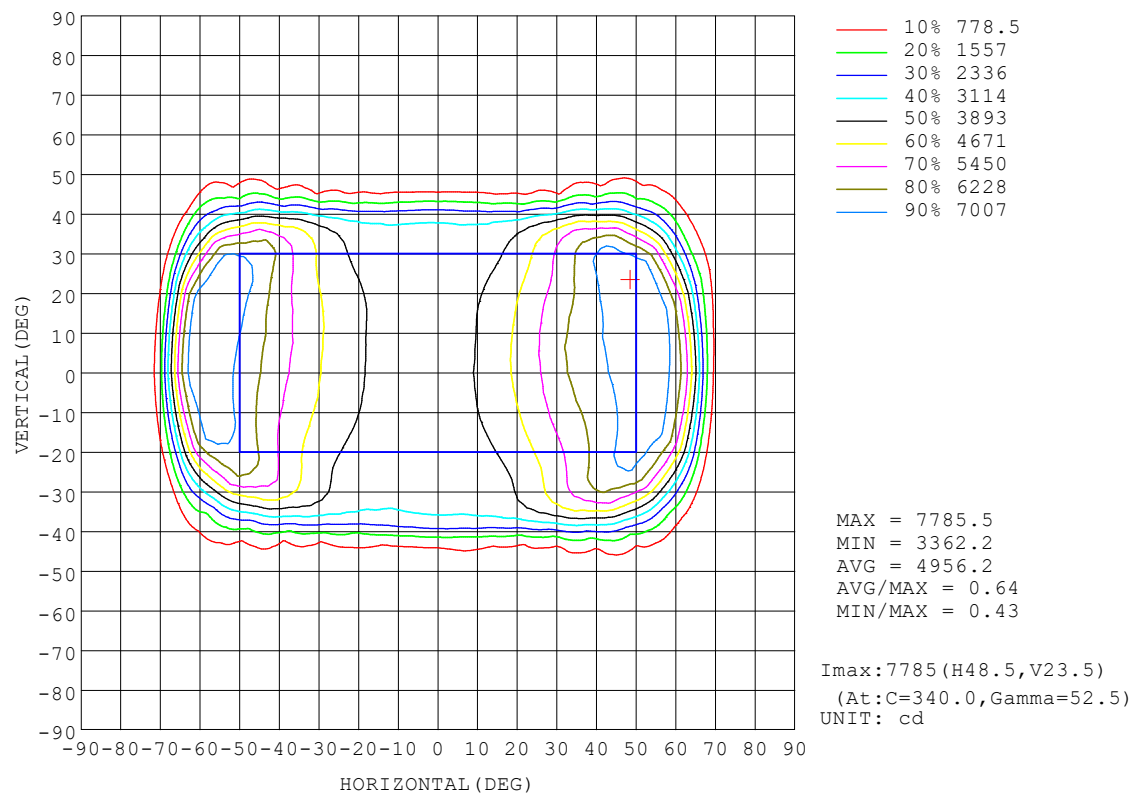
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3950	3756	3574	3571	3587	3521	3525	3761	0- 10	343.2	343.2	2.66,2.86
20	4810	4029	3454	3639	3968	3714	3544	4182	10- 20	1076	1419	11,11.8
30	5928	4242	3286	3643	4705	3955	3367	4619	20- 30	1883	3302	25.6,27.5
40	6777	4637	2120	3837	5685	4238	2703	5077	30- 40	2728	6030	46.8,50.3
50	7330	2323	344.7	1704	6828	3120	347.2	3429	40- 50	2992	9022	69.9,75.2
60	6730	340.4	206.8	317.6	7493	362.5	218.1	444.5	50- 60	2536	11557	89.6,96.3
70	515.7	145.1	103.2	147.6	1297	161.3	131.1	177.1	60- 70	1168	12726	98.7,106
80	55.47	48.89	50.65	49.80	67.60	58.85	65.80	61.46	70- 80	145.0	12871	99.8,107
90	12.54	4.456	1.167	3.862	8.639	2.224	1.775	2.443	80- 90	27.85	12899	100,107
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

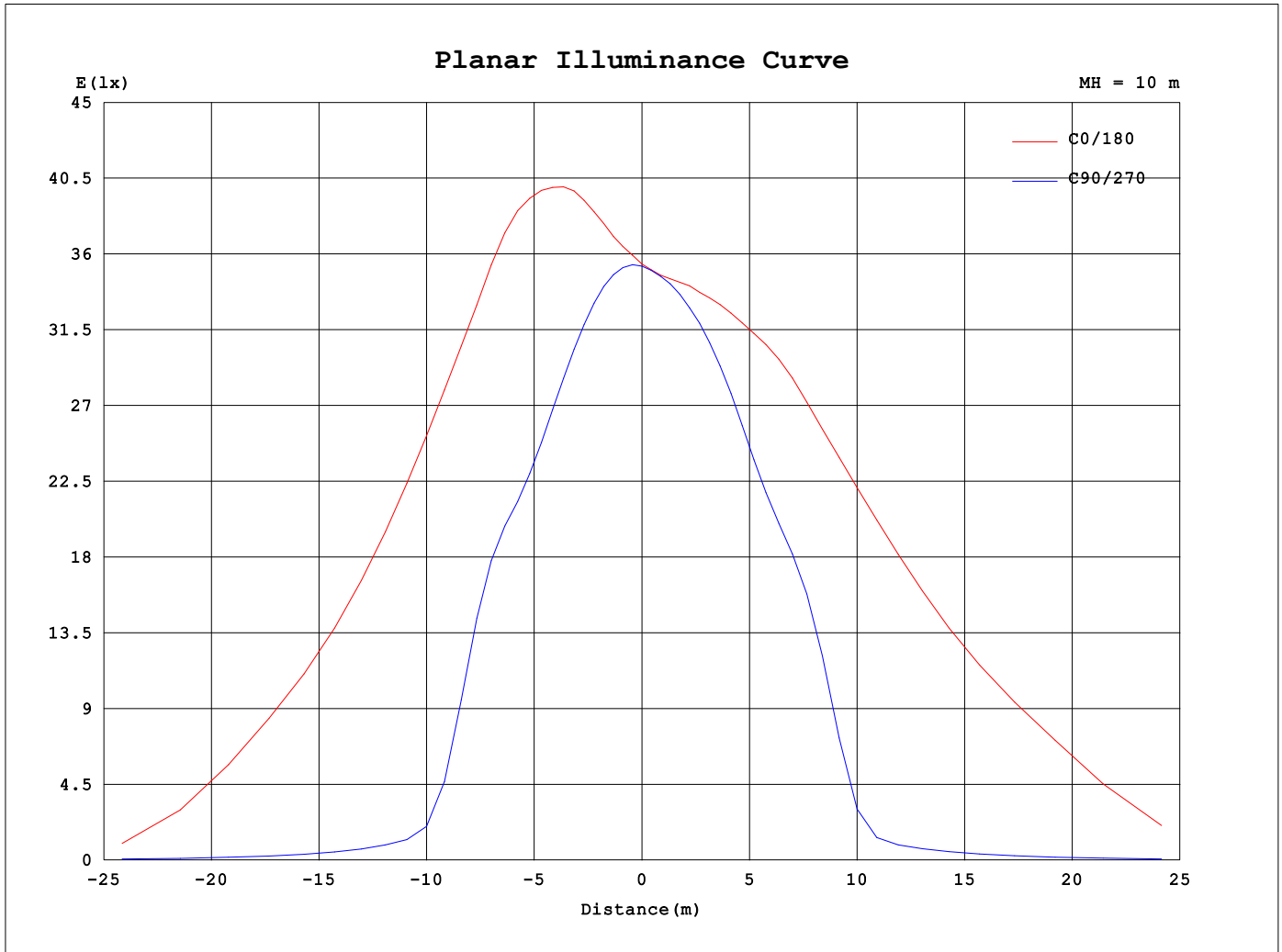
NAME: 98Prague100/W	TYPE: 98Prague100/W	WEIGHT: 1
SPEC.:	DIM.: 554 x 230 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



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

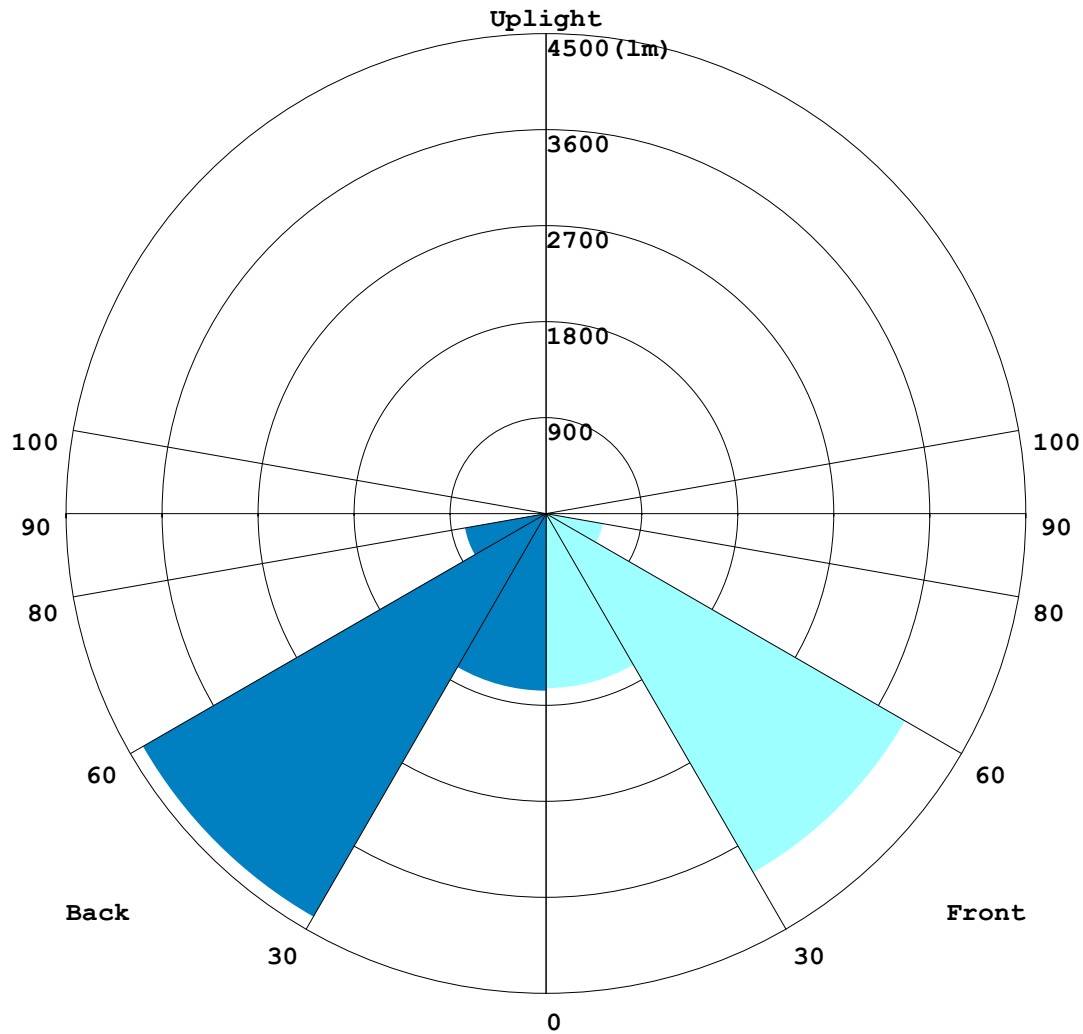


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 18 August 2022

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: 98Prague100/W	TYPE: 98Prague100/W	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/W	TYPE: 98Prague100/W	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)	1639	12.7
FM - Front-Medium(30-60)	3889.4	30.2
FH - Front-High(60-80)	543.1	4.2
FVH - Front-Very High(80-90)	12.123	0.1
Total Forward Light	6083.6	47.2

BL - Back-Low(0-30)	1663	12.9
BM - Back-Medium(30-60)	4365.9	33.8
BH - Back-High(60-80)	770.42	6.0
BVH - Back-Very High(80-90)	15.727	0.1
Total Back Light	6815	52.8

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	6815	0	6815
Street Side	6083.6	0	6083.6

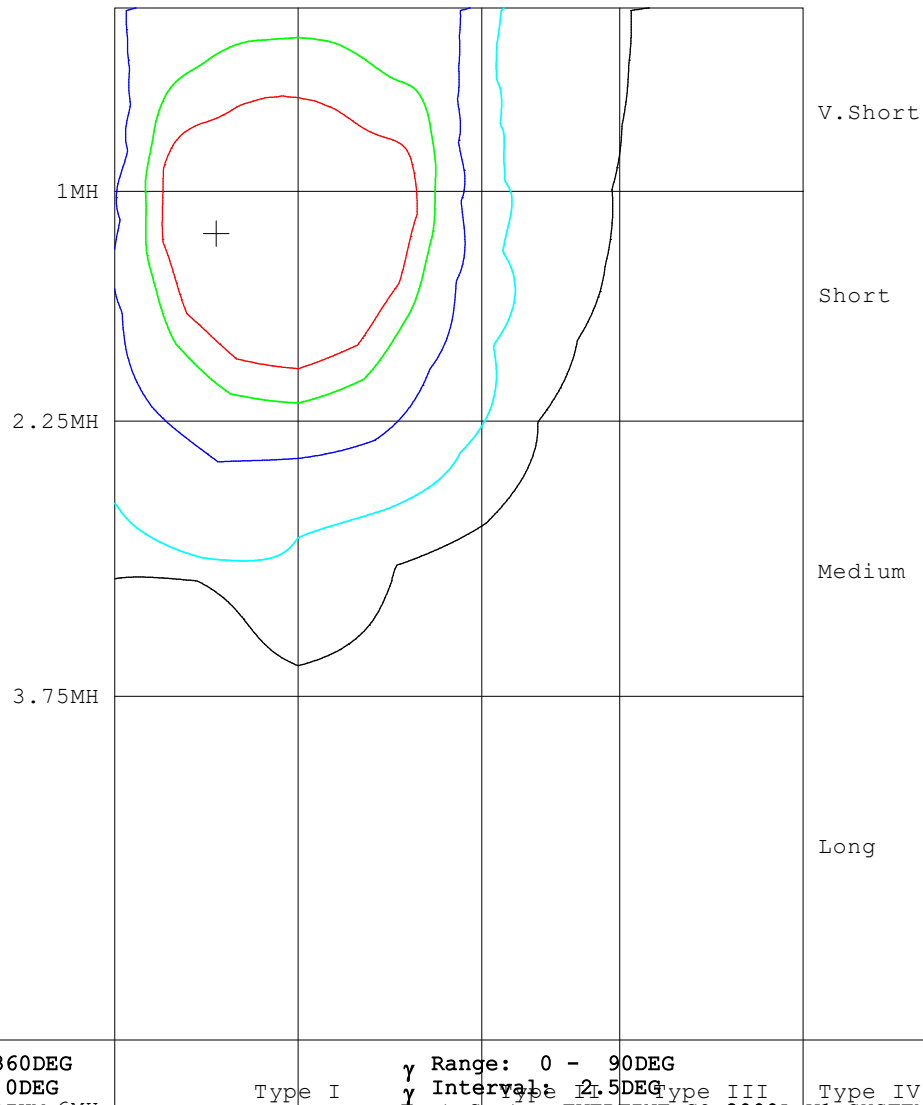
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:18 August 2022

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/W	TYPE: 98Prague100/W	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%

Test Distance: 6.265m [K=1.0000]

Remarks:

Type I

Type II

Type III

Type IV

70% 5460.7
Pavement

20% 1500.2
Road

50% 3900.5

5% 390.05

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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:

```