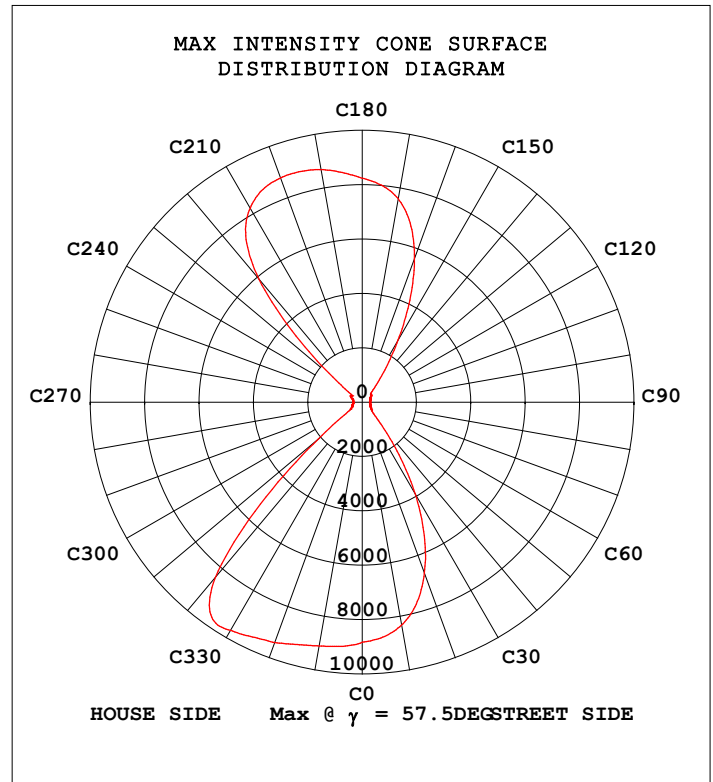
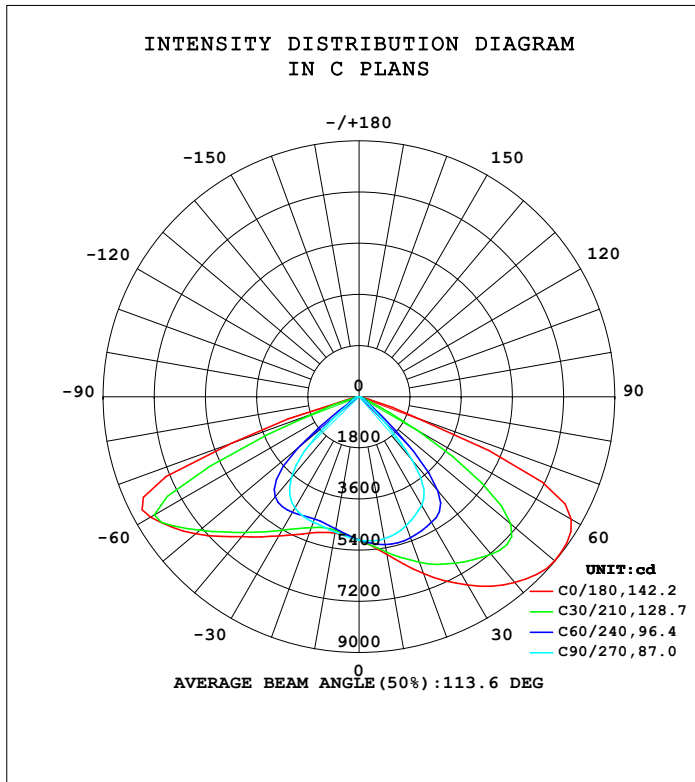


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague150SMD	TYPE: 98Prague150SMD	WEIGHT: 1
SPEC.:	DIM.: 610 x 252 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	98Prague150SMD	Imax (cd)	9686	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	101.8	η street_down (%)	43.8
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	18316	η house_up (%)	0.0
NOMINAL FLUX (lm)	18000	MAXIMUM @ (C, γ)	330, 57.5	η house_down (%)	57.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	101.8	SLI	17.338

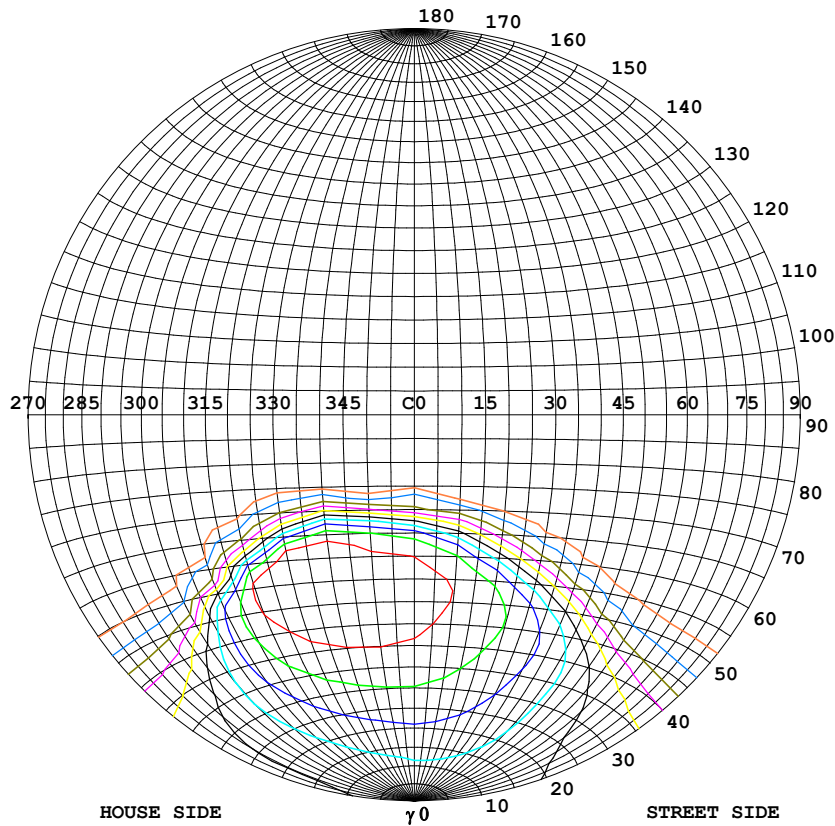


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 19 August 2022

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: 98Prague150SMD	TYPE: 98Prague150SMD	WEIGHT: 1
SPEC.:	DIM.: 610 x 252 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



Classification:

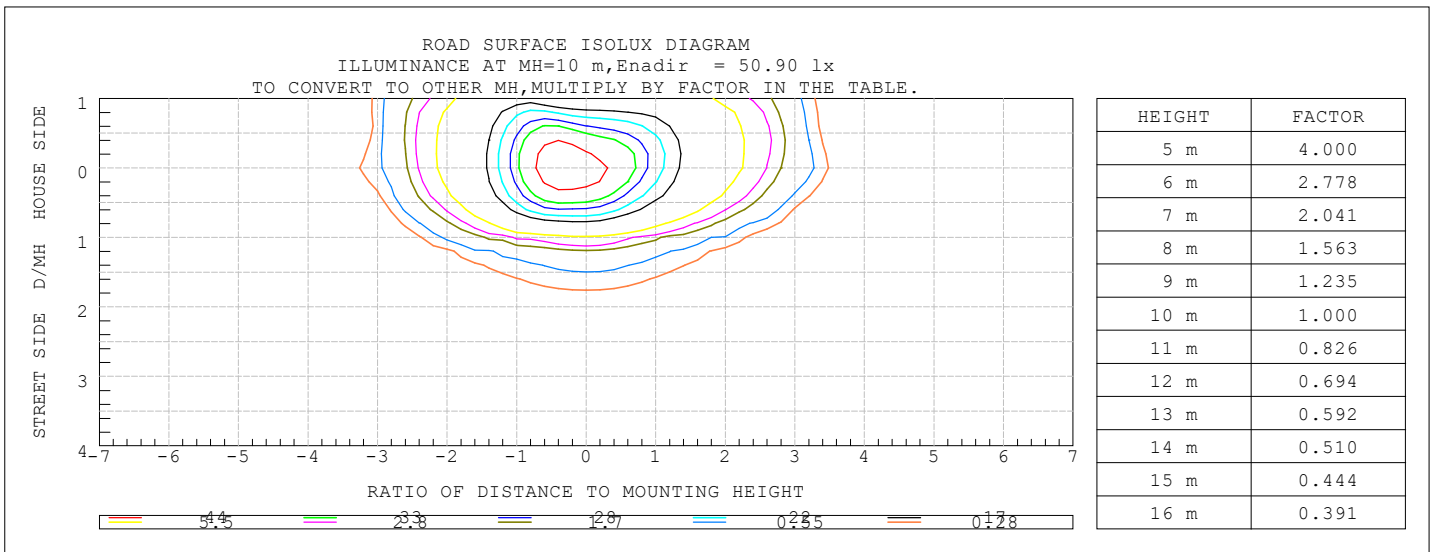
IES:Type V - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:16.37cd/klm
 Max.At90:1.047cd/klm
 Max.80-90:16.37cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	9686
90%	8717
80%	7749
70%	6780
60%	5812
50%	4843
40%	3874
30%	2906
20%	1937
10%	969
5%	484

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:19 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: 19 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: 98Prague150SMD	TYPE: 98Prague150SMD	WEIGHT: 1
SPEC.:	DIM.: 610 x 252 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

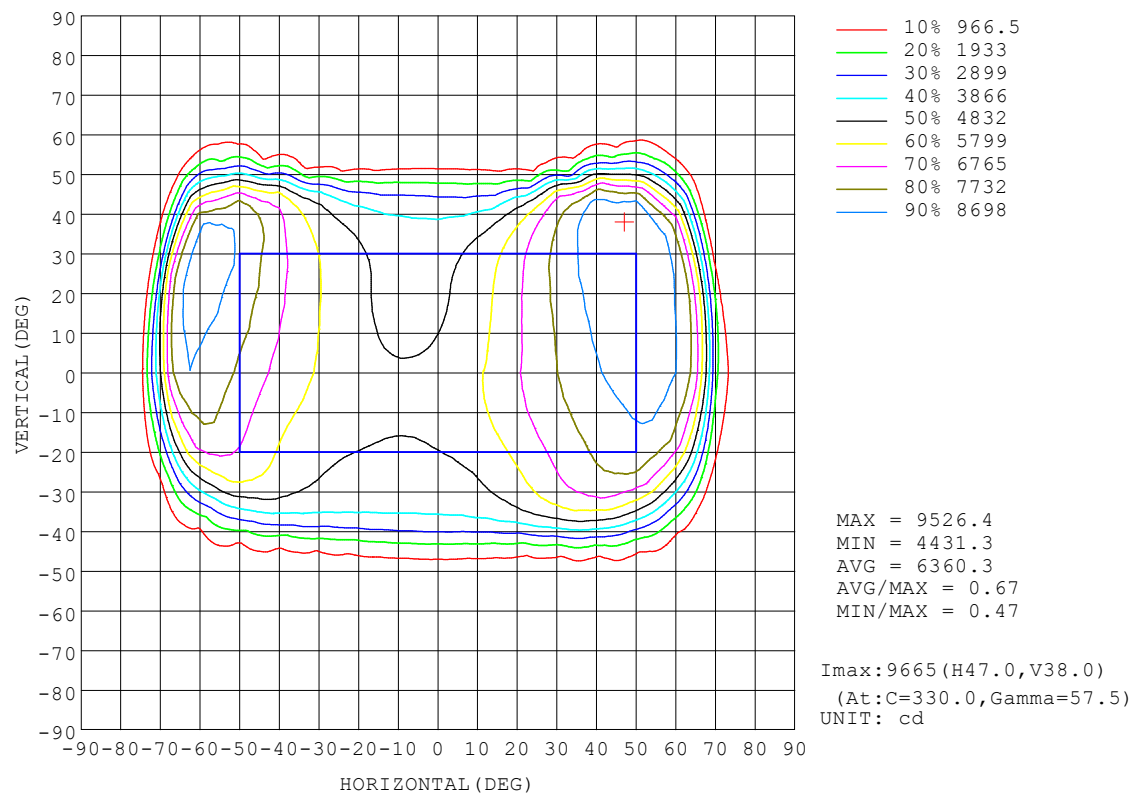
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5631	5422	5080	4957	4877	4733	4842	5296	0- 10	484.0	484.0	2.64,2.69
20	6617	5748	4830	4907	5112	4719	4704	5885	10- 20	1477	1961	10.7,10.9
30	7649	5940	4412	4769	5659	5061	4518	6697	20- 30	2529	4489	24.5,24.9
40	8527	5989	2928	4512	6430	5468	3708	7528	30- 40	3550	8040	43.9,44.7
50	8985	3584	600.5	2501	7502	5569	1246	7987	40- 50	4018	12057	65.8,67
60	8621	473.7	232.8	406.9	8470	2453	300.2	3975	50- 60	3578	15635	85.4,86.9
70	2140	194.1	116.4	190.7	4750	253.9	147.9	291.1	60- 70	2279	17914	97.8,99.5
80	81.36	56.93	52.45	56.53	204.3	87.78	78.55	90.96	70- 80	362.4	18276	99.8,102
90	18.05	9.731	1.718	9.790	13.71	3.545	5.640	3.496	80- 90	39.53	18316	100,102
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:19 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

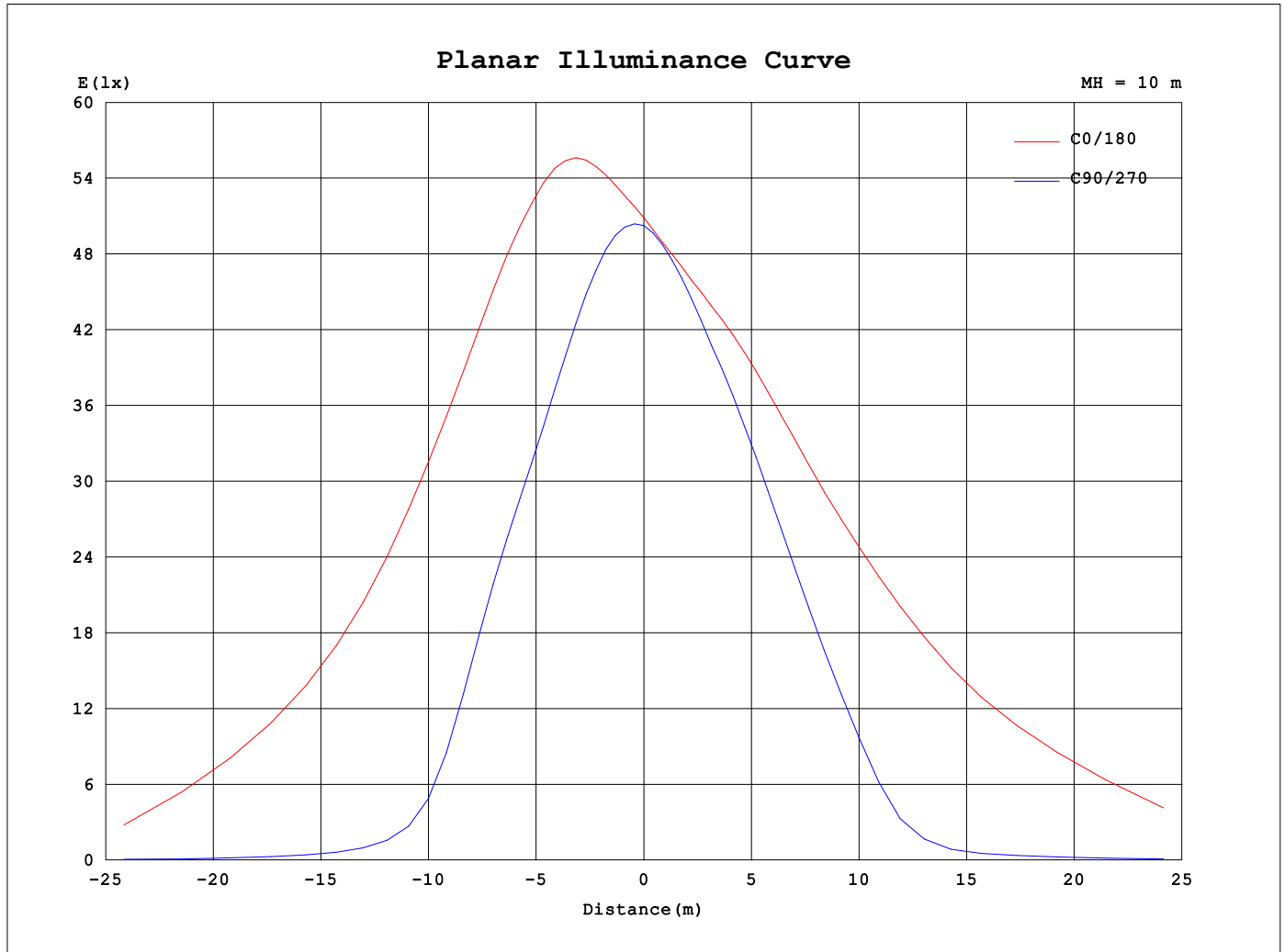
NAME: 98Prague150SMD	TYPE: 98Prague150SMD	WEIGHT: 1
SPEC.:	DIM.: 610 x 252 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:19 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

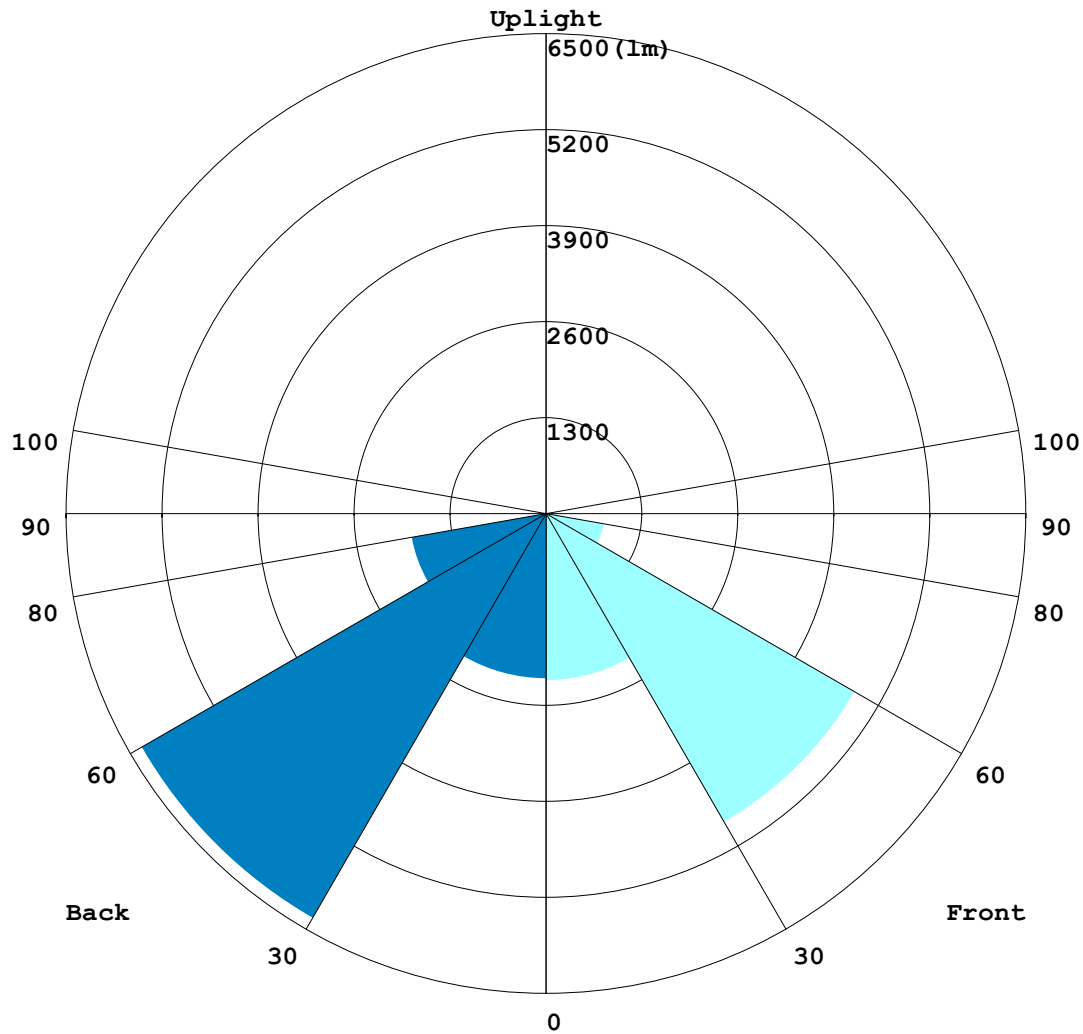


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 19 August 2022

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: 98Prague150SMD	TYPE: 98Prague150SMD	WEIGHT: 1
SPEC.:	DIM.: 610 x 252 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: 19 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: 98Prague150SMD	TYPE: 98Prague150SMD	WEIGHT: 1
SPEC.:	DIM.: 610 x 252 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)	2256.5	12.3
FM - Front-Medium(30-60)	4822.9	26.3
FH - Front-High(60-80)	797.17	4.4
FVH - Front-Very High(80-90)	15.209	0.1
Total Forward Light	7891.8	43.1

BL - Back-Low(0-30)	2232.9	12.2
BM - Back-Medium(30-60)	6322.6	34.5
BH - Back-High(60-80)	1844.3	10.1
BVH - Back-Very High(80-90)	24.323	0.1
Total Back Light	10424	56.9

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10424	0	10424
Street Side	7891.8	0	7891.8

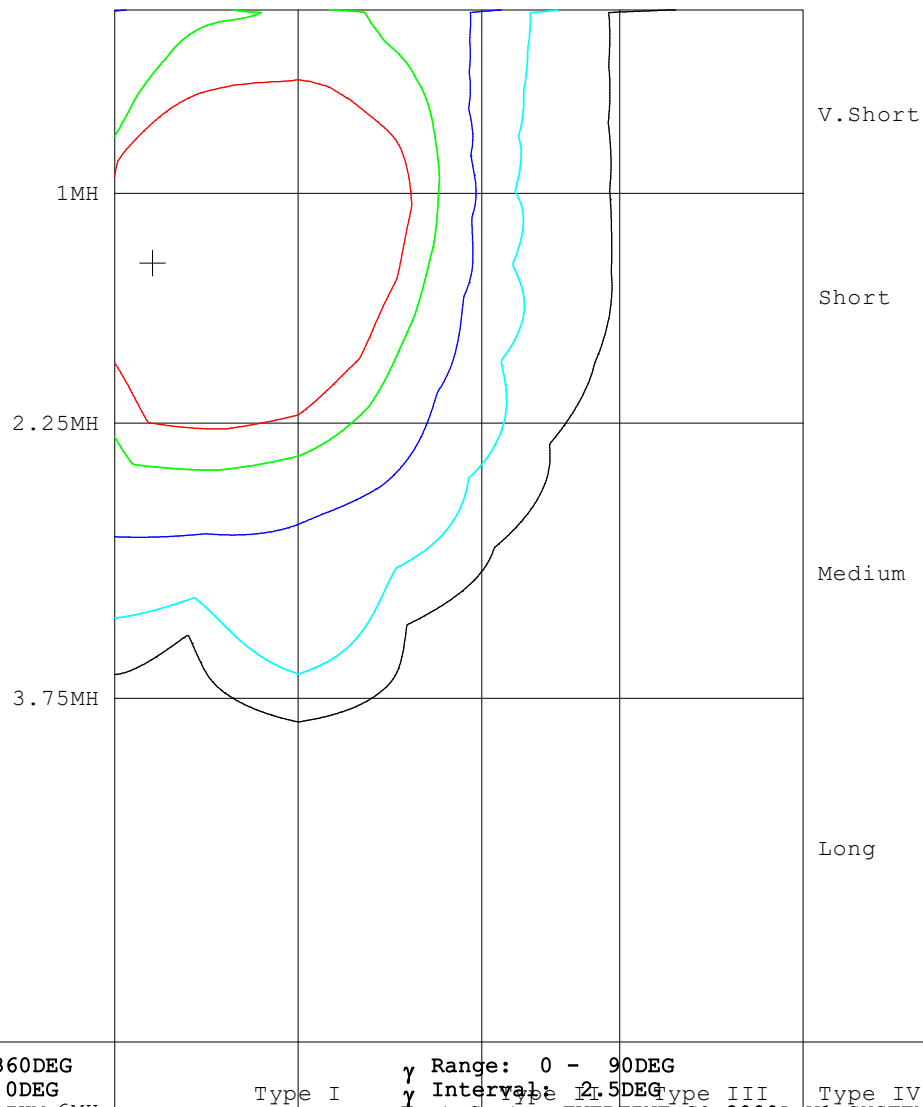
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:19 August 2022

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: 98Prague150SMD	TYPE: 98Prague150SMD	WEIGHT: 1
SPEC.:	DIM.: 610 x 252 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: 19 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=1.0009]

Remarks:

70% 6767.3

20% 1933.3

2.9% 241.69

50% 4833.8

5% 483.38

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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:

```