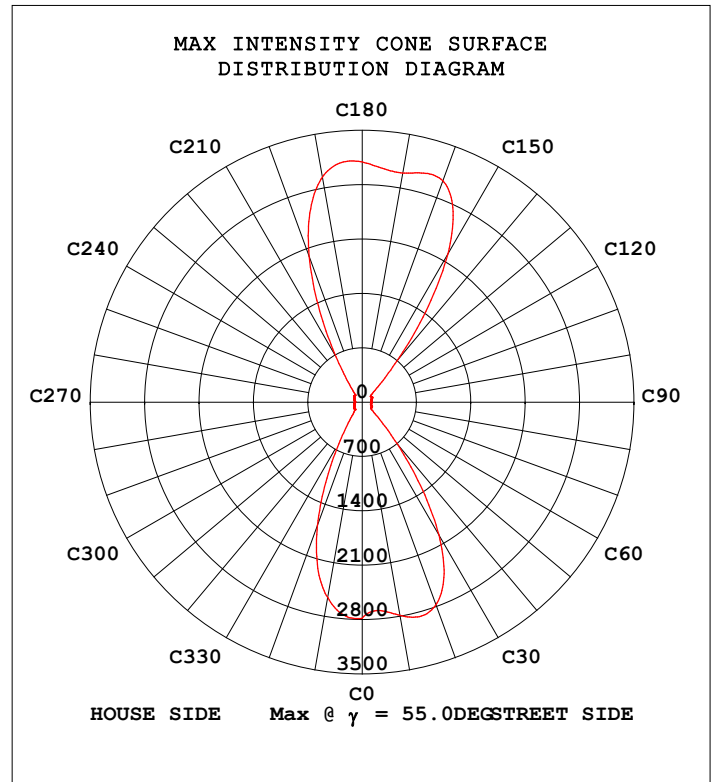
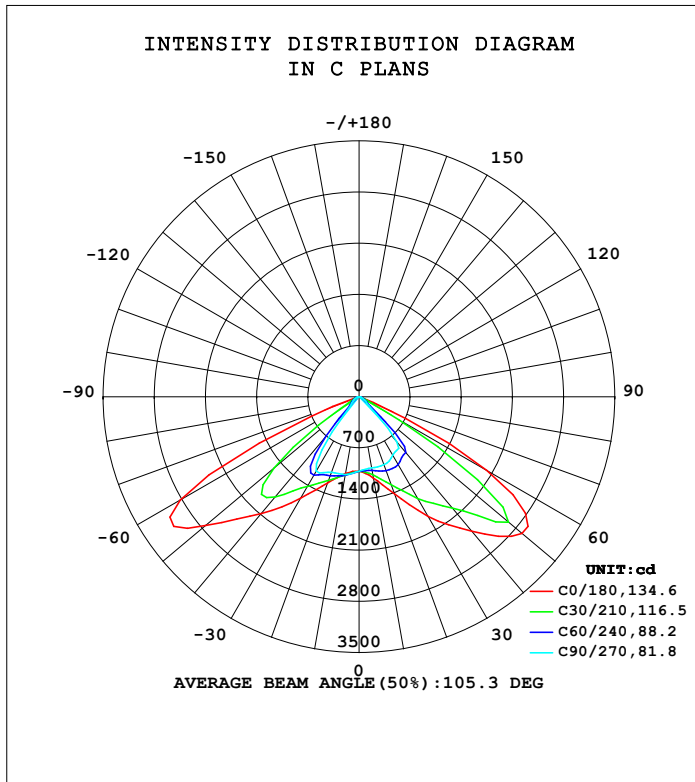


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague30SMD	TYPE: 98Prague30SMD	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	98Prague30SMD	Imax (cd)	3093	η street_up (%)	0.0
NOMINAL POWER (W)	30	LOR (%)	113.4	η street_down (%)	60.3
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	4084	η house_up (%)	0.0
NOMINAL FLUX (lm)	3600	MAXIMUM @ (C, γ)	180,55.0	η house_down (%)	53.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	113.4	SLI	15.361

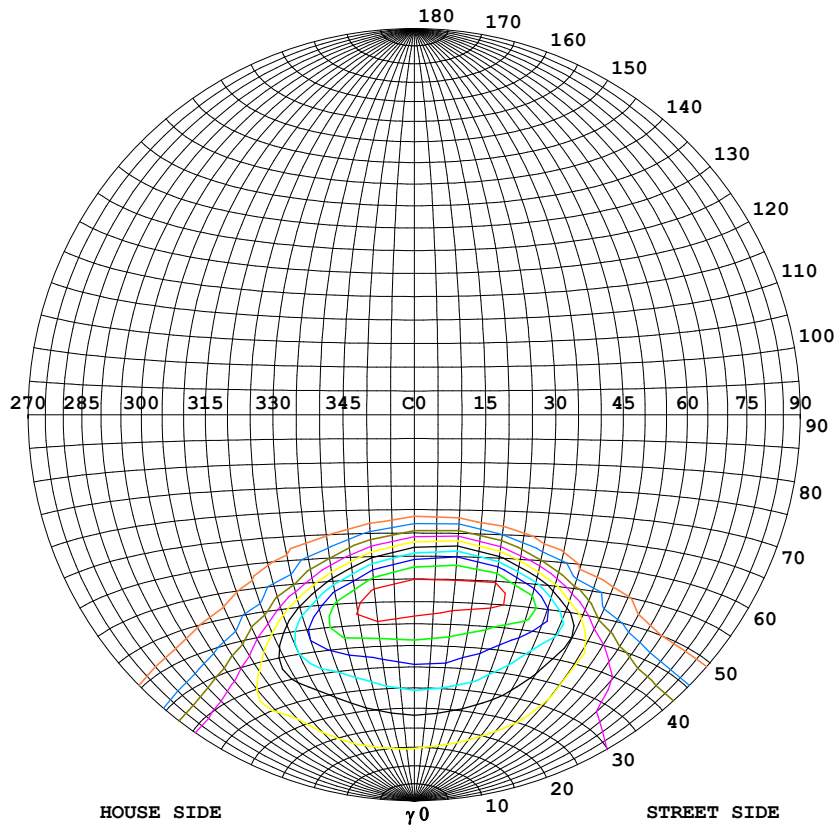


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 17 August 2022

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: 98Prague30SMD	TYPE: 98Prague30SMD	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



Classification:

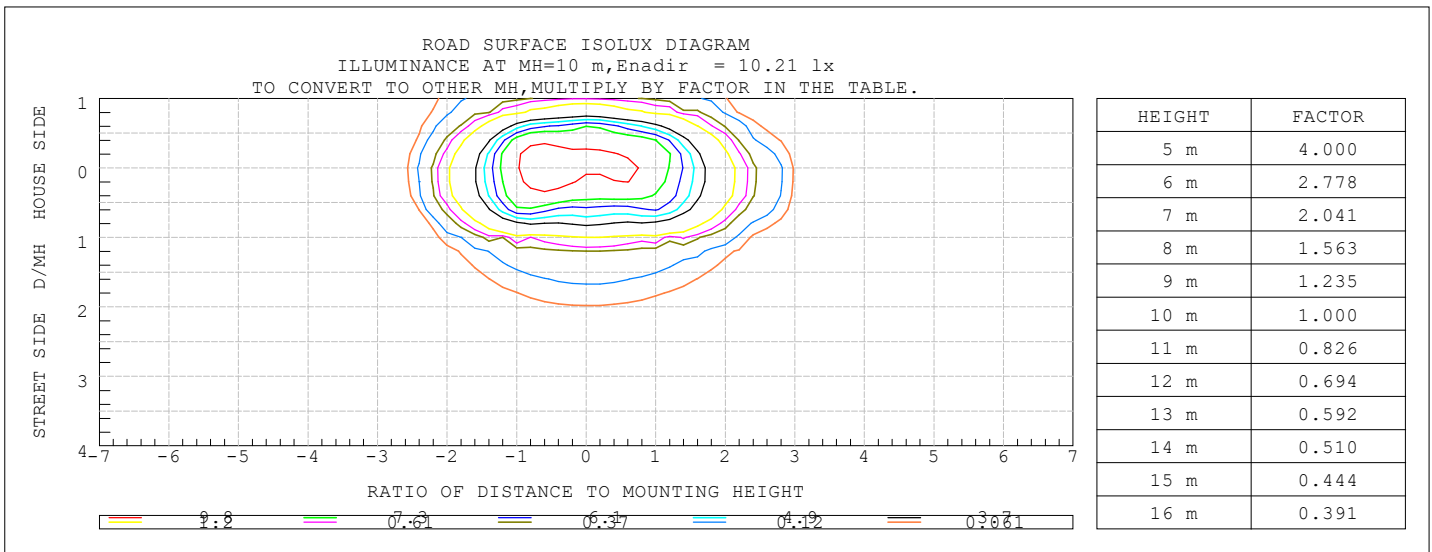
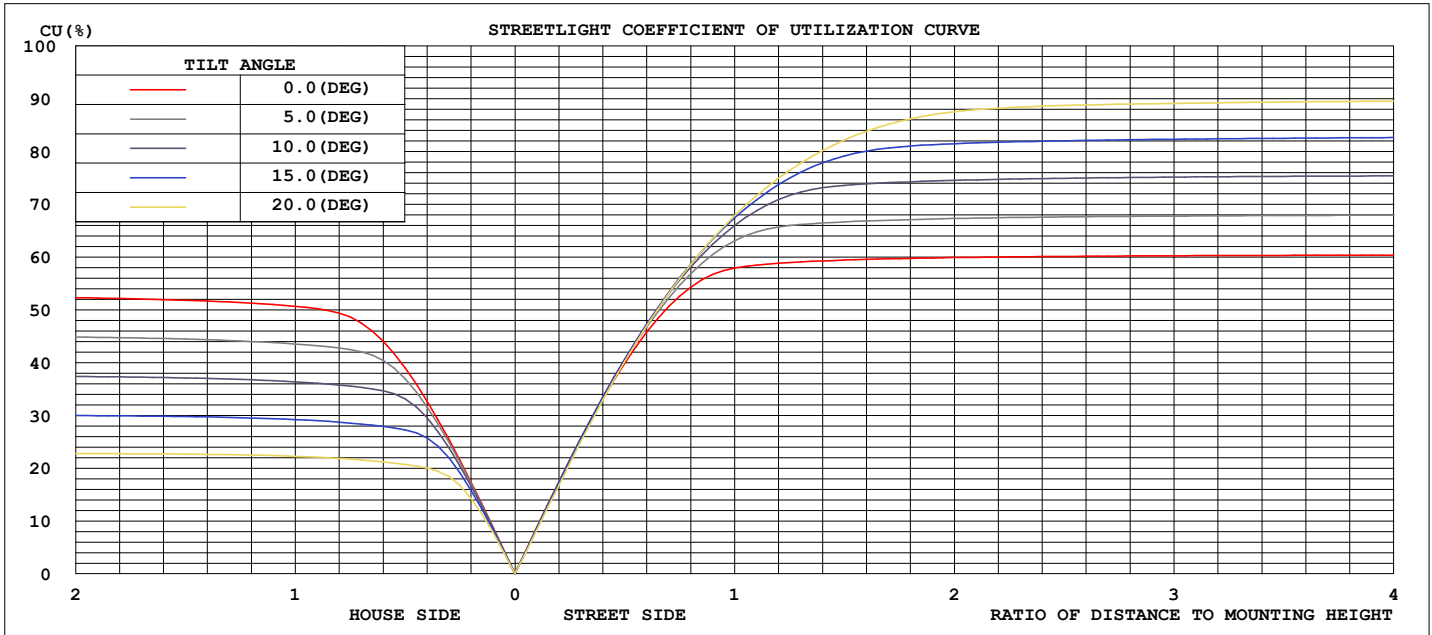
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:8.148cd/klm
 Max.At90:1.139cd/klm
 Max.80-90:8.148cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3093
90%	2784
80%	2475
70%	2165
60%	1856
50%	1547
40%	1237
30%	928
20%	619
10%	309
5%	155

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:17 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: 17 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: 98Prague30SMD	TYPE: 98Prague30SMD	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

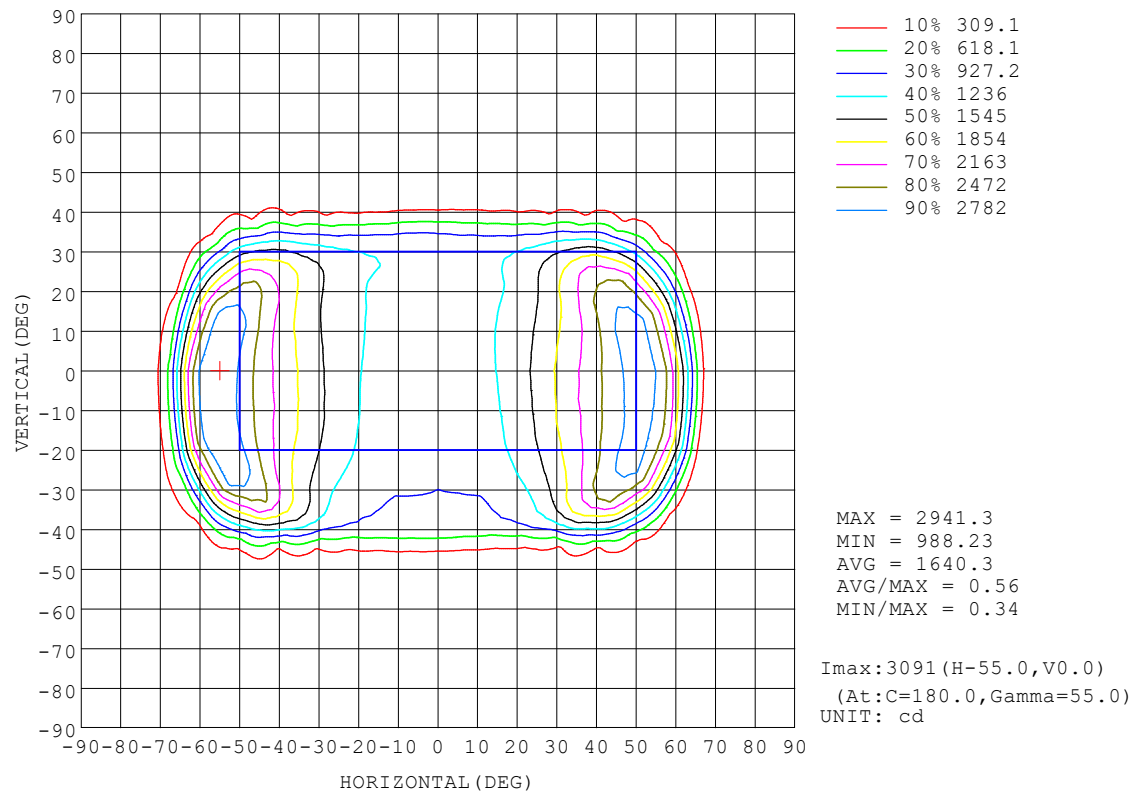
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1131	1051	988.3	1016	1065	1088	1084	1108	0- 10	99.76	99.76	2.44,2.77
20	1406	1170	990.6	1098	1256	1171	1101	1213	10- 20	318.3	418.0	10.2,11.6
30	1891	1318	925.3	1209	1604	1293	1173	1357	20- 30	583.7	1002	24.5,27.8
40	2400	1452	805.5	1253	2087	1278	338.1	1369	30- 40	868.6	1870	45.8,52
50	2912	1132	141.6	1101	2741	320.4	128.3	337.2	40- 50	1004	2875	70.4,79.9
60	2020	120.5	80.94	139.0	2829	115.3	81.63	123.6	50- 60	865.6	3740	91.6,104
70	77.80	55.50	40.10	65.85	383.8	64.00	38.86	64.65	60- 70	289.0	4029	98.7,112
80	20.24	22.00	21.20	23.47	28.02	22.71	19.66	20.39	70- 80	44.53	4074	99.7,113
90	4.100	0.9064	0.3886	0.8228	2.406	0.7828	0.4212	1.158	80- 90	10.25	4084	100,113
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:17 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

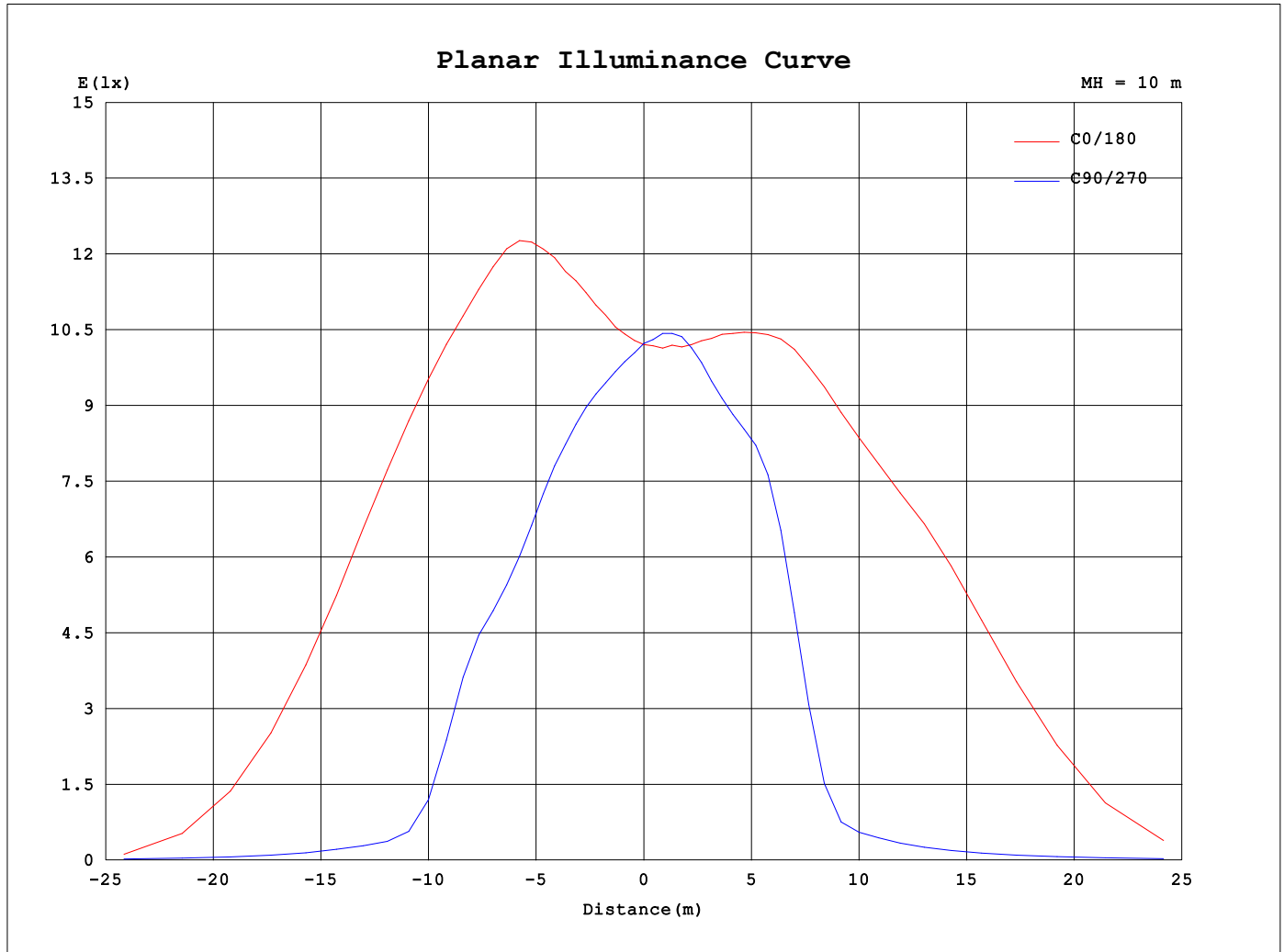
NAME: 98Prague30SMD	TYPE: 98Prague30SMD	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 17 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

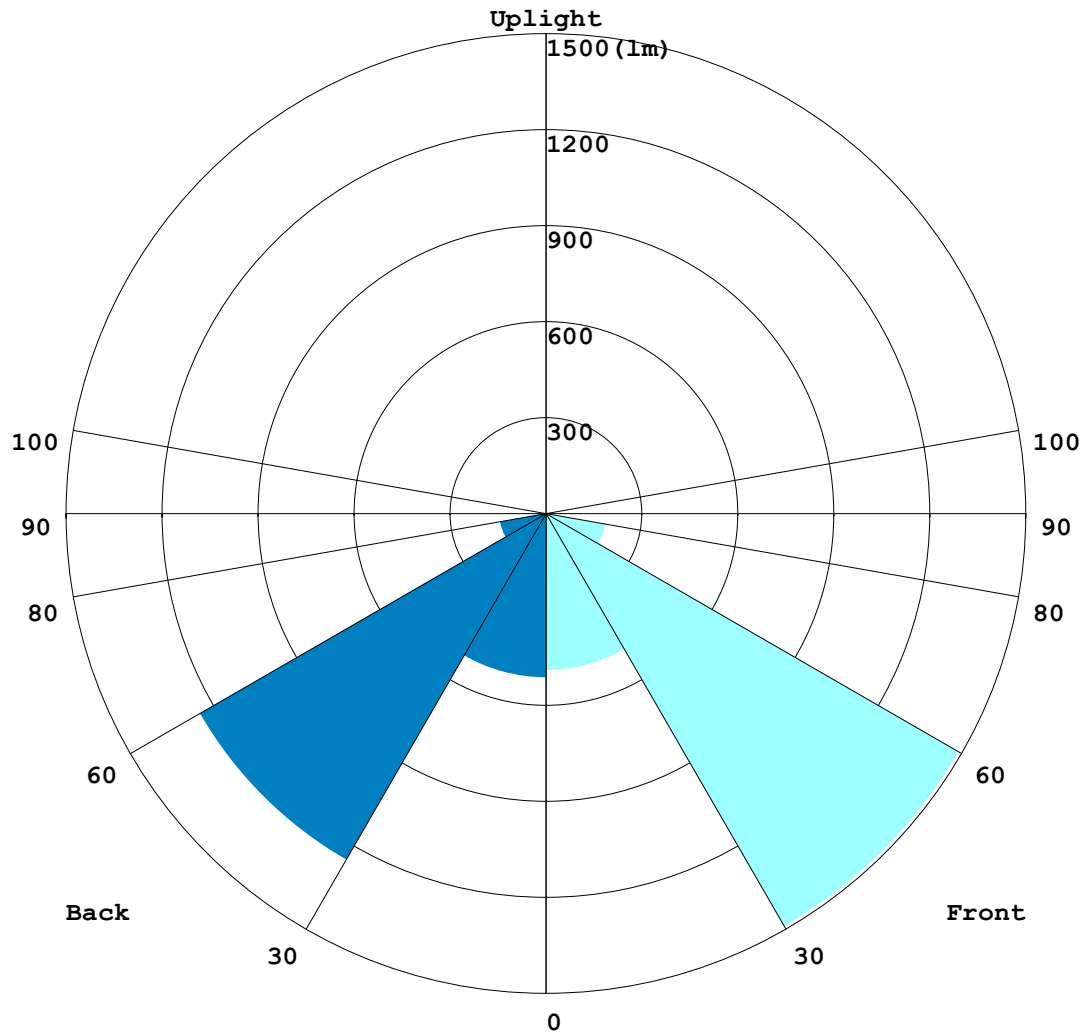


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 17 August 2022

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: 98Prague30SMD	TYPE: 98Prague30SMD	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: 17 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: 98Prague30SMD	TYPE: 98Prague30SMD	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)	489.46	12.0
FM - Front-Medium(30-60)	1489.5	36.5
FH - Front-High(60-80)	187.99	4.6
FVH - Front-Very High(80-90)	5.5432	0.1
Total Forward Light	2172.5	53.2

BL - Back-Low(0-30)	512.25	12.5
BM - Back-Medium(30-60)	1249.2	30.6
BH - Back-High(60-80)	145.53	3.6
BVH - Back-Very High(80-90)	4.7051	0.1
Total Back Light	1911.7	46.8

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	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1911.7	0	1911.7
Street Side	2172.5	0	2172.5

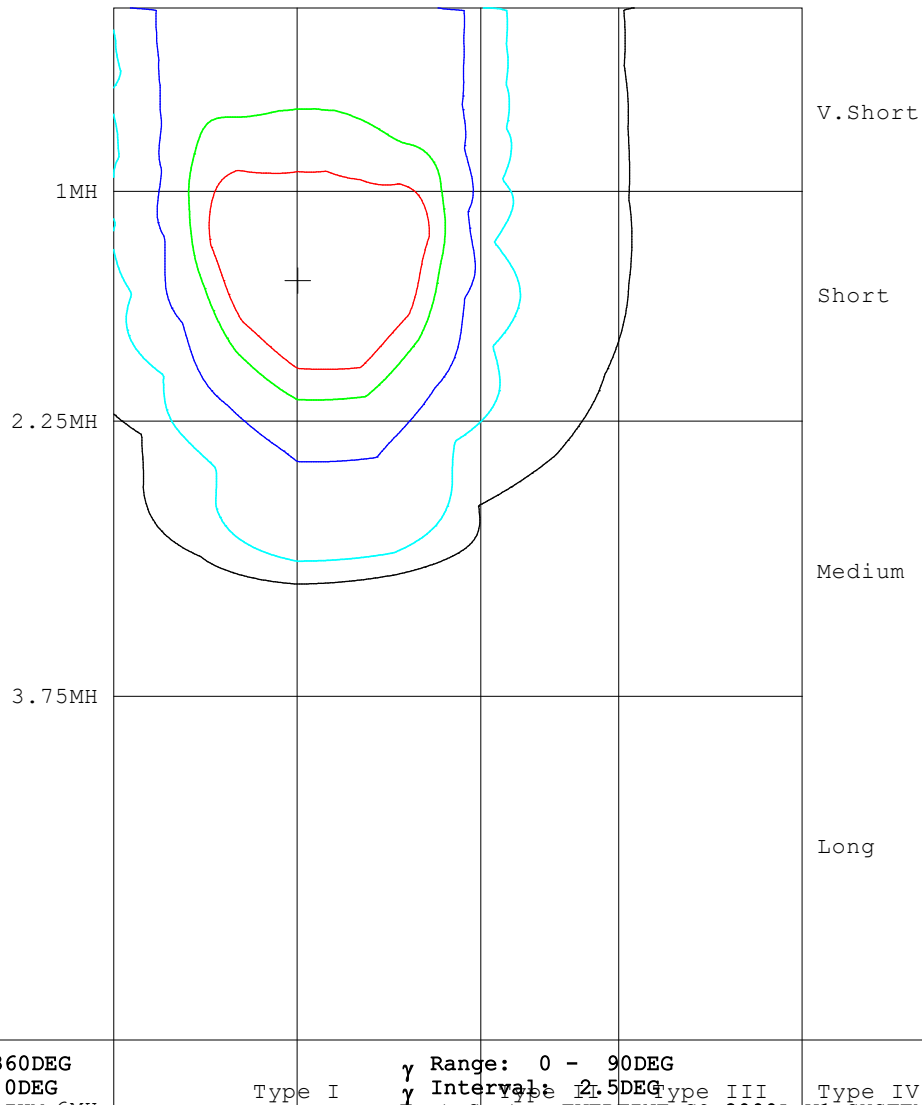
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:17 August 2022

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: 98Prague30SMD	TYPE: 98Prague30SMD	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: 17 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:

70% 2171.8 Road 20% 620.51
50% 1551.3 5% 155.13

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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:

```