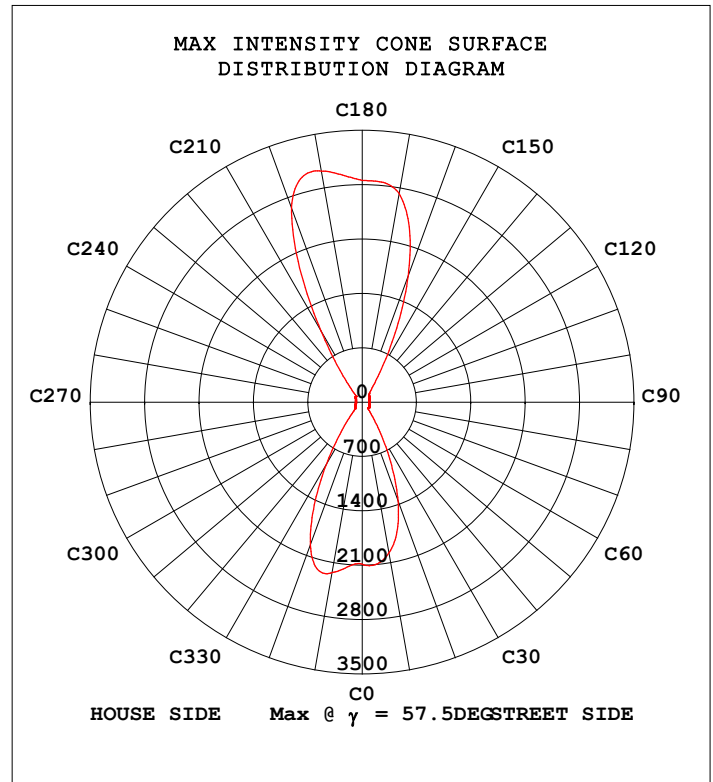
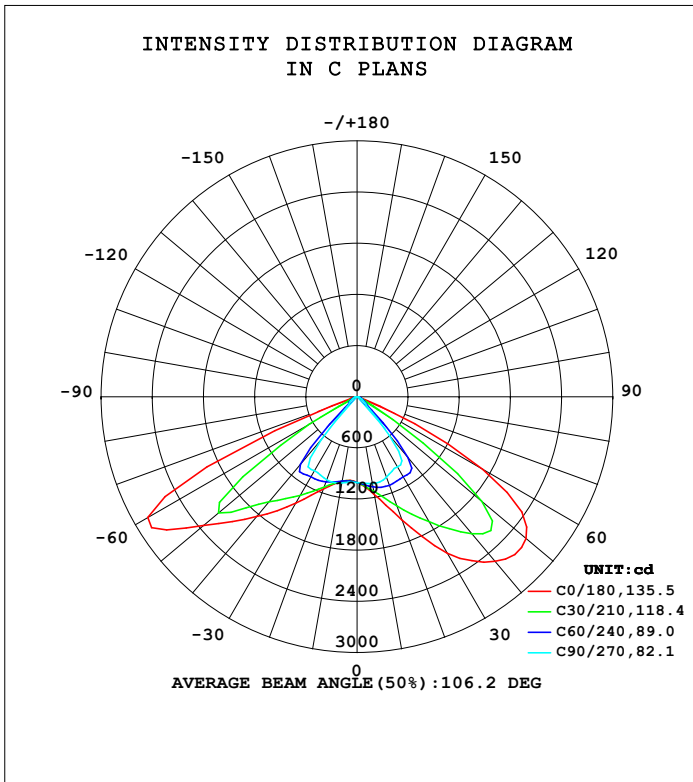


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98Prague30/WW	TYPE: 98Prague30/WW	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	98Prague30/WW	Imax (cd)	3023	η street_up (%)	0.0
NOMINAL POWER (W)	30	LOR (%)	105.4	η street_down (%)	49.5
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	4006	η house_up (%)	0.0
NOMINAL FLUX (lm)	3800	MAXIMUM @ (C, γ)	190, 57.5	η house_down (%)	55.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	105.4	SLI	15.150

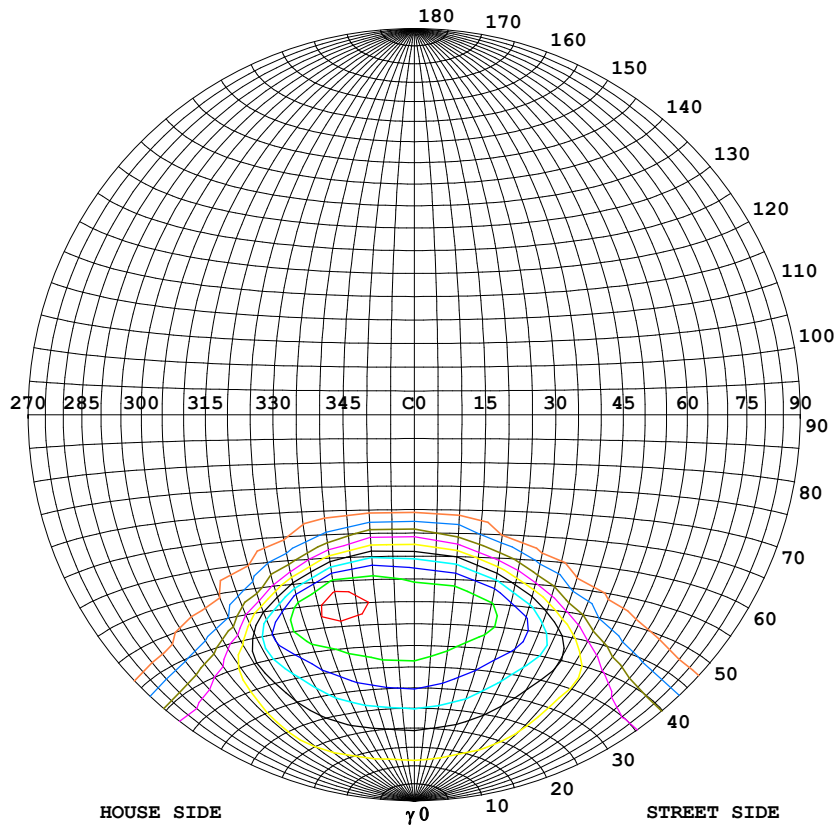


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 17 August 2022

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: 98Prague30/WW	TYPE: 98Prague30/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



Classification:

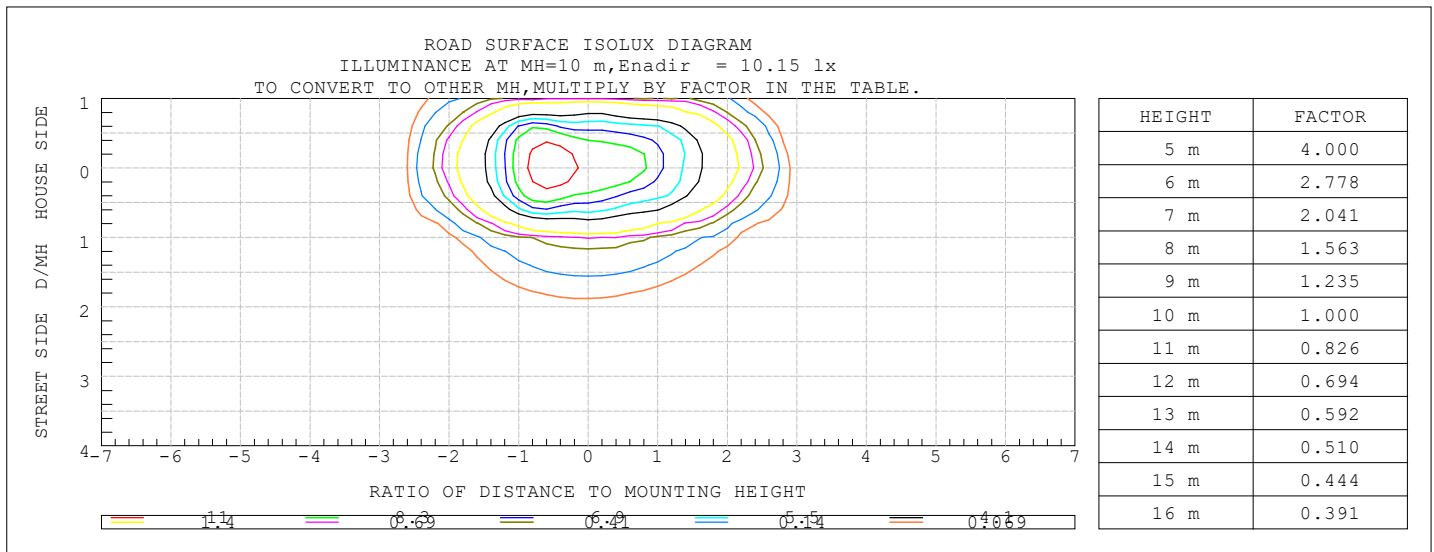
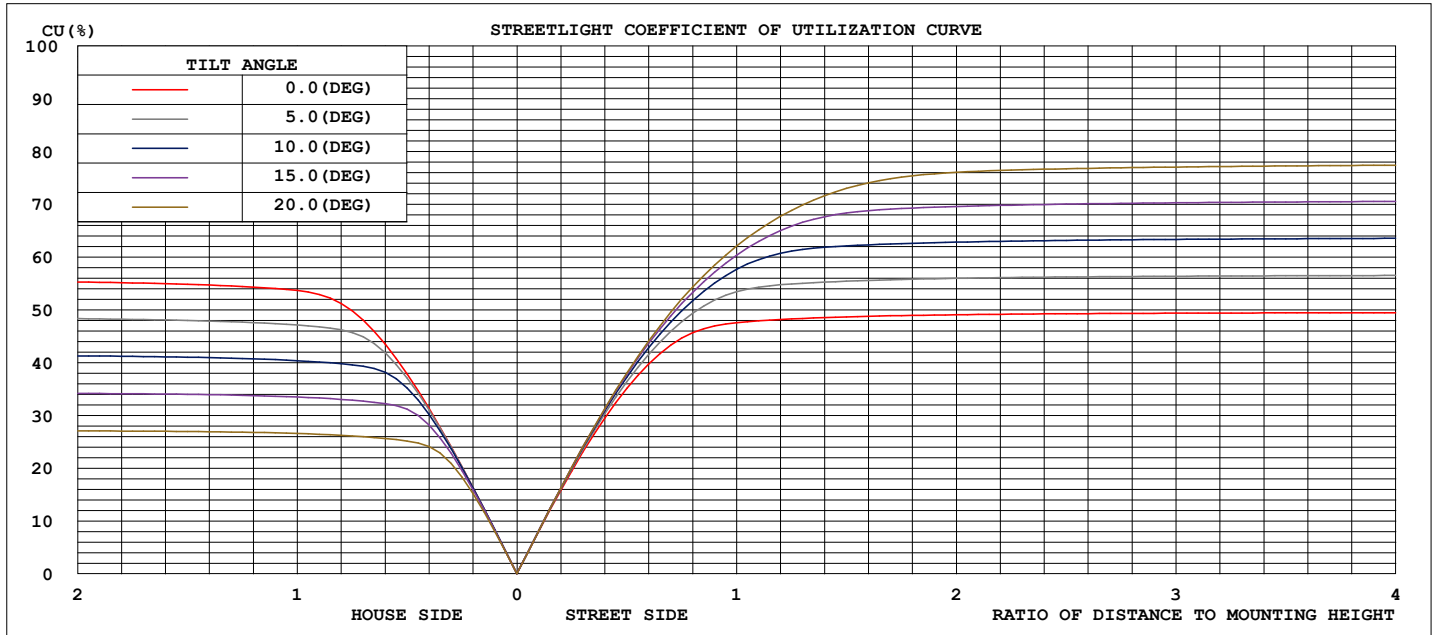
IES:Type I - Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:15.29cd/klm
Max.At90:1.061cd/klm
Max.80-90:15.29cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3023
90%	2721
80%	2418
70%	2116
60%	1814
50%	1511
40%	1209
30%	907
20%	605
10%	302
5%	151

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
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: HIGH
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: 98Prague30/WW	TYPE: 98Prague30/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:

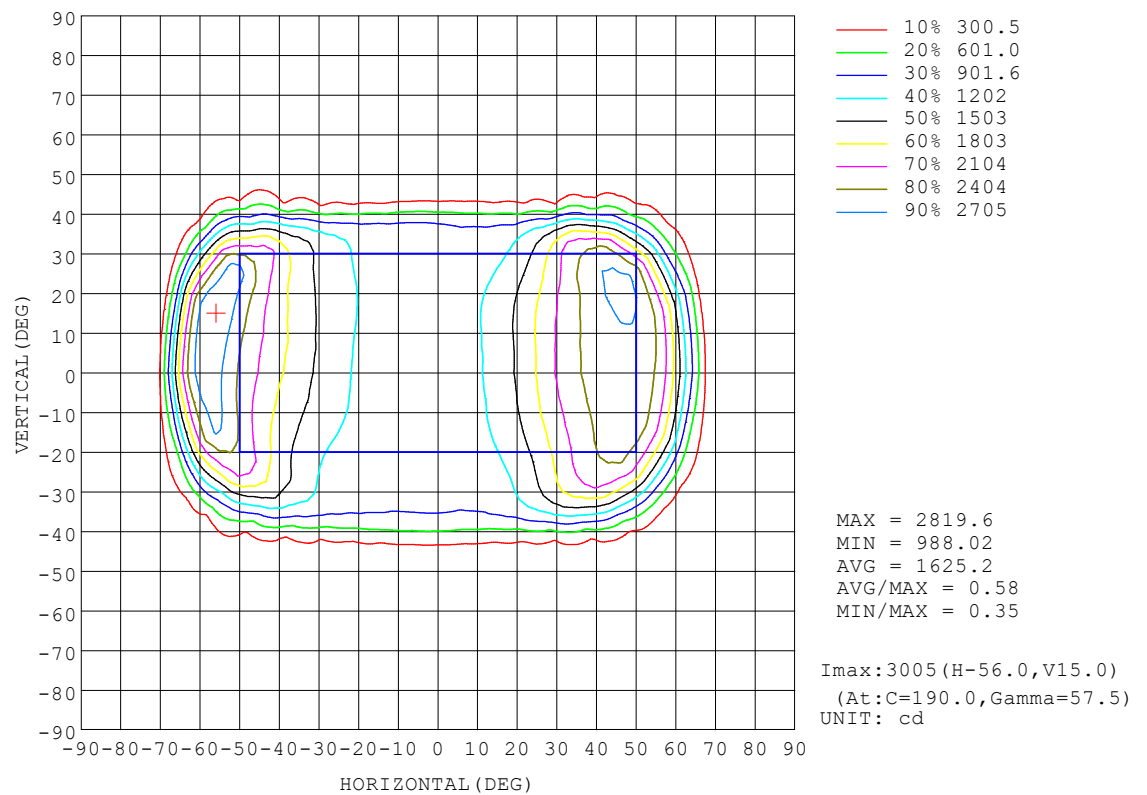
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1163	1095	1034	1018	1008	1001	1025	1106	0- 10	98.64	98.64	2.46,2.6
20	1533	1224	1007	1054	1152	1091	1039	1300	10- 20	317.5	416.2	10.4,11
30	2120	1355	950.1	1065	1439	1201	1000	1509	20- 30	581.0	997.2	24.9,26.2
40	2518	1534	593.5	1097	1835	1329	656.5	1734	30- 40	877.4	1875	46.8,49.3
50	2586	611.2	132.5	505.5	2349	685.2	119.2	900.1	40- 50	975.4	2850	71.1,75
60	1705	101.7	73.26	111.3	2834	116.9	77.23	127.1	50- 60	803.6	3654	91.2,96.1
70	100.9	52.63	34.70	55.57	314.9	57.12	39.48	63.28	60- 70	300.0	3954	98.7,104
80	17.76	17.30	16.87	18.29	58.11	22.52	20.21	22.26	70- 80	42.74	3996	99.8,105
90	4.033	1.187	0.3645	0.9650	2.154	0.6037	0.5331	0.7278	80- 90	9.236	4006	100,105
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: HIGH
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

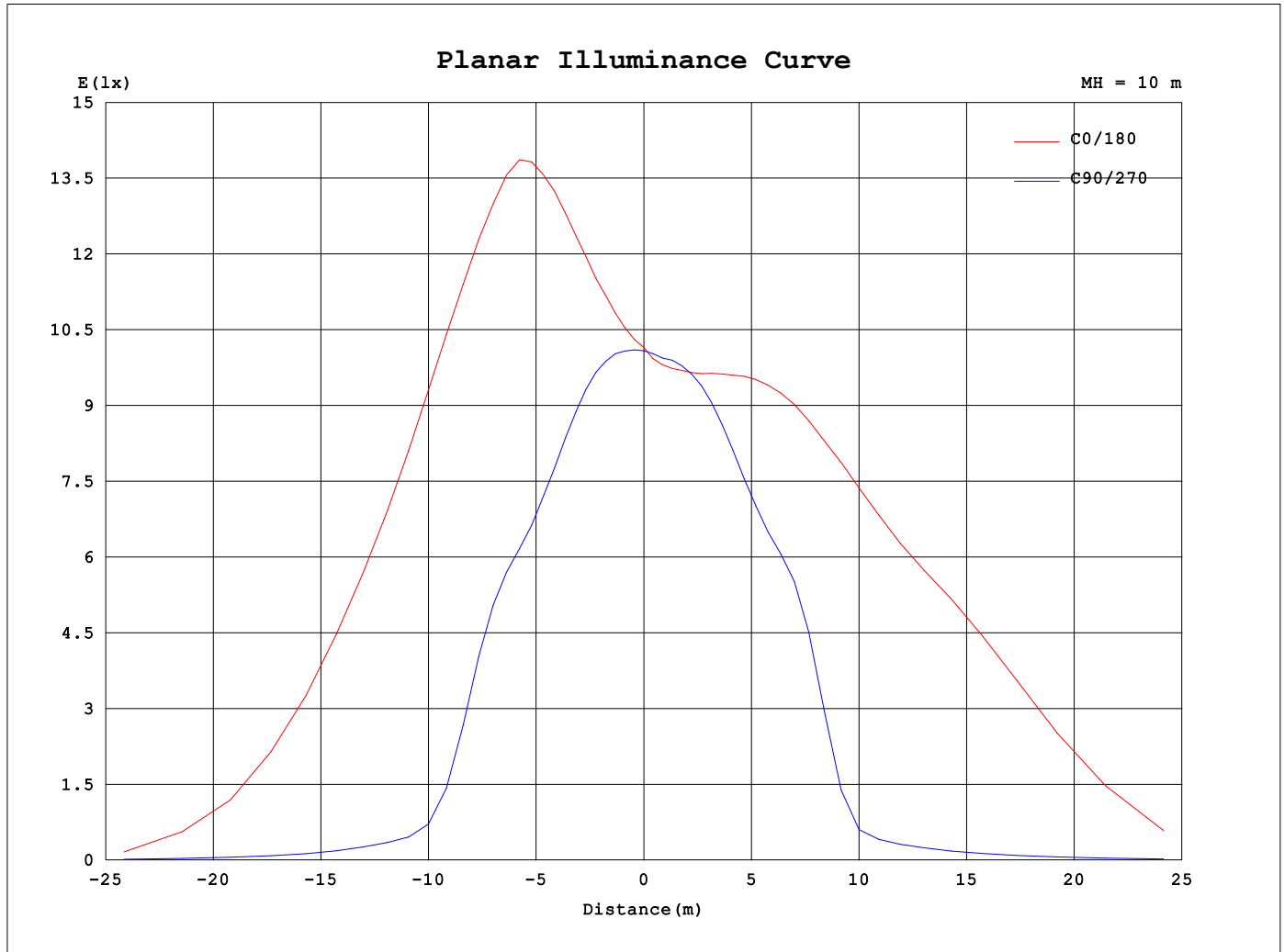
NAME: 98Prague30/WW	TYPE: 98Prague30/WW	WEIGHT: 1
SPEC.:	DIM.: 410 x 200 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Rectangular	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
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

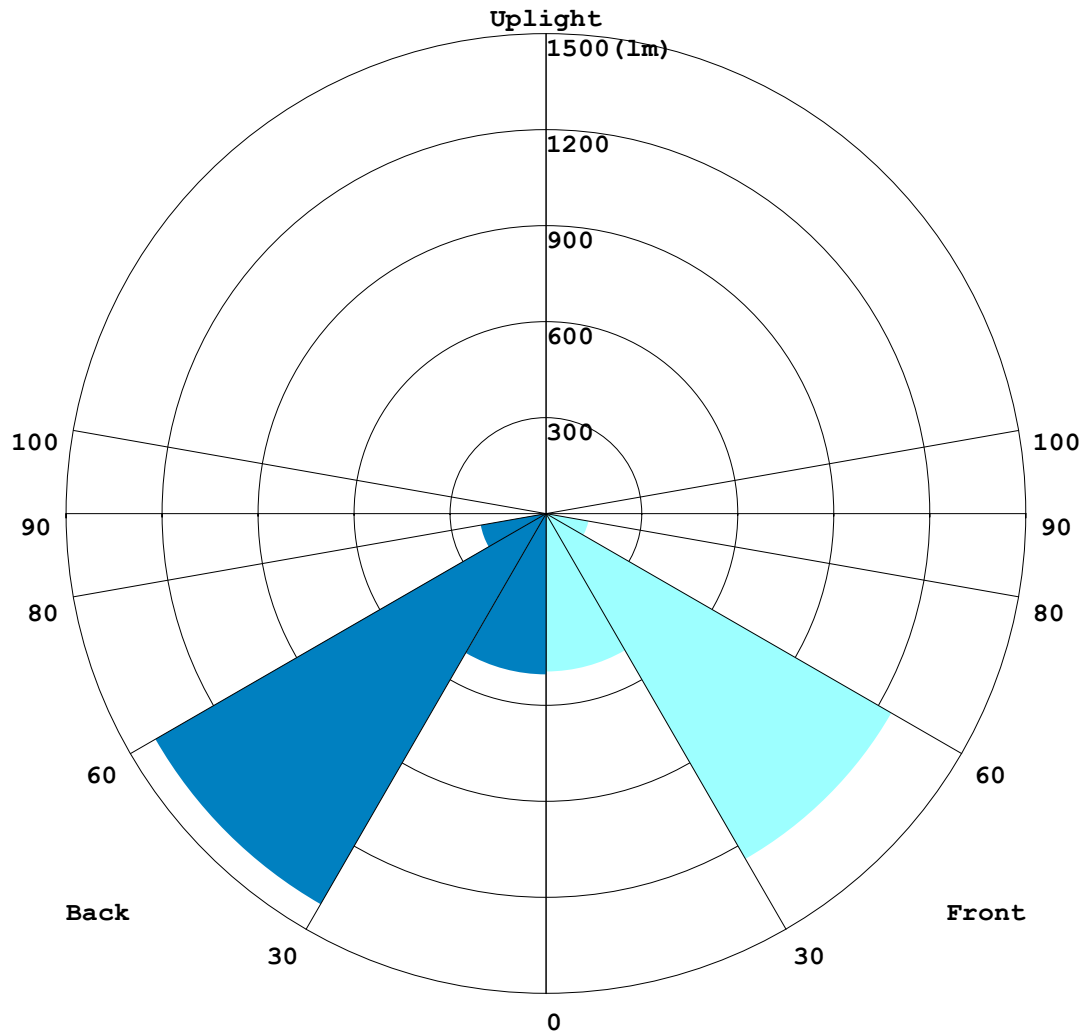


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 17 August 2022

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: 98Prague30/WW	TYPE: 98Prague30/WW	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: HIGH
 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: 98Prague30/WW	TYPE: 98Prague30/WW	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)	494.3	12.3
FM - Front-Medium(30-60)	1246.6	31.1
FH - Front-High(60-80)	135.44	3.4
FVH - Front-Very High(80-90)	4.0307	0.1
Total Forward Light	1880.4	46.9

BL - Back-Low(0-30)	502.89	12.6
BM - Back-Medium(30-60)	1409.8	35.2
BH - Back-High(60-80)	207.35	5.2
BVH - Back-Very High(80-90)	5.2049	0.1
Total Back Light	2125.2	53.1

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	2125.2	0	2125.2
Street Side	1880.4	0	1880.4

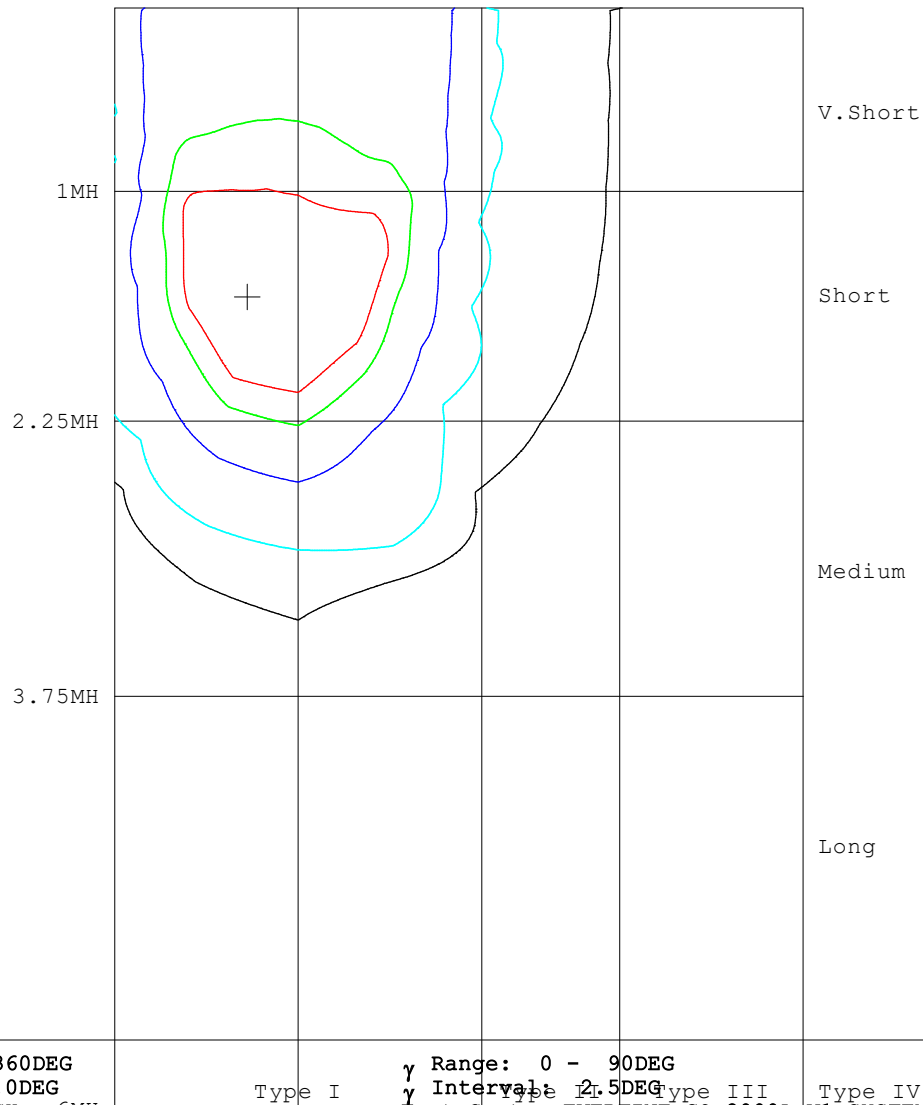
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:17 August 2022

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: 98Prague30/WW	TYPE: 98Prague30/WW	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: HIGH 6MH

Temperature: 25.3°C 1MH

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% 75MH

Test Distance: 6.265m [K=1.0000]

Remarks:

Type I

Type II

Type III

Type IV

70% 2113.3 Pavement

20% 605.8 Road

50% 1509.5

5% 150.95

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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:

```