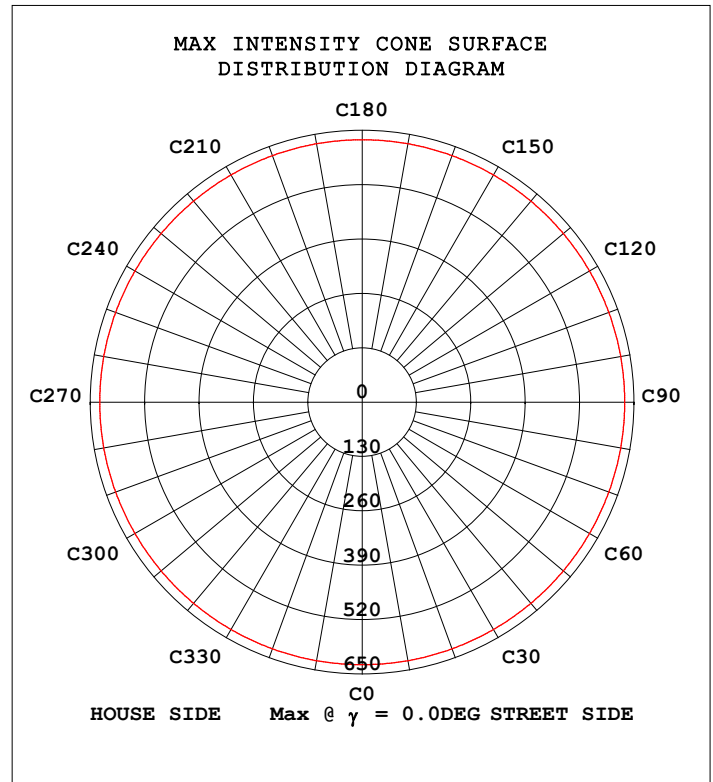
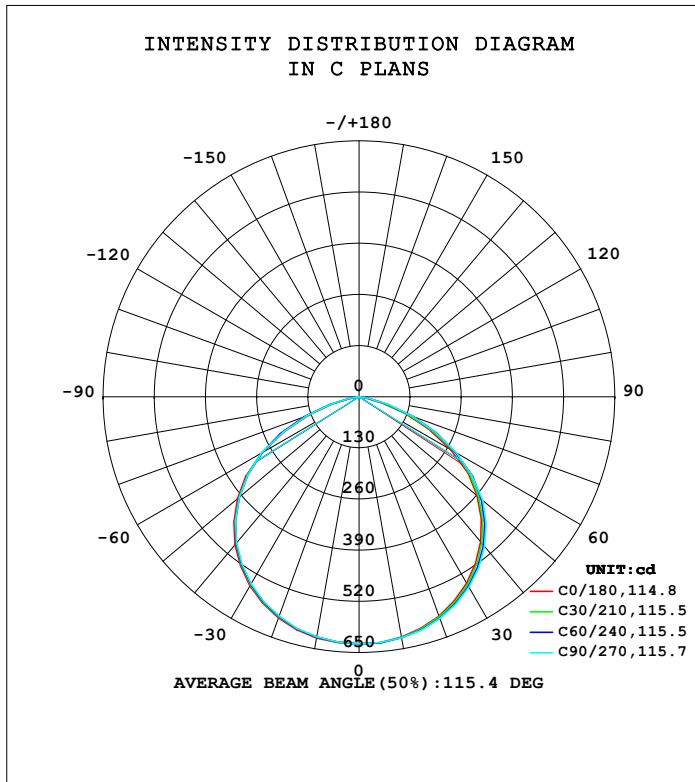


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98SOL112	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 495 x 210 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	98SOL112	Imax (cd)	627.6	η street_up(%)	0.0
NOMINAL POWER(W)	300	LOR(%)	177476.4	η street_down(%)	89227.0
RATED VOLTAGE(V)	0	TOTAL FLUX(lm)	1775	η house_up(%)	0.0
NOMINAL FLUX(lm)	1	MAXIMUM @ (C, γ)	165,0.0	η house_down(%)	88249.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	0	η down(%)	177476.4	SLI	15.205

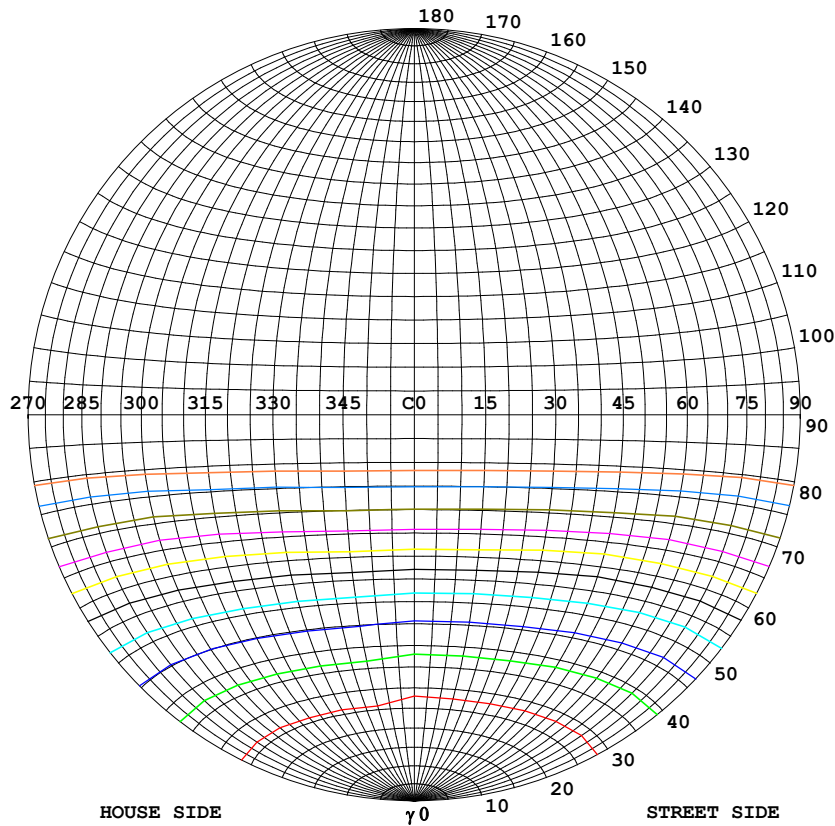


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:04 November 2022

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
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: 98SOL112	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 495 x 210 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:



Classification:

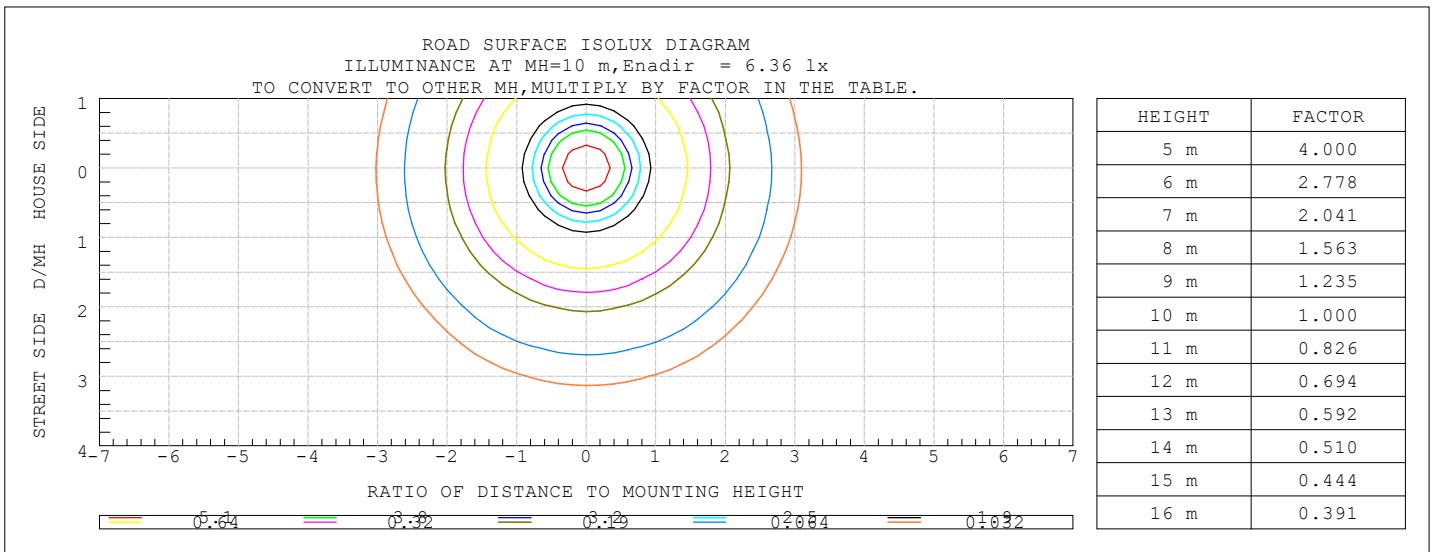
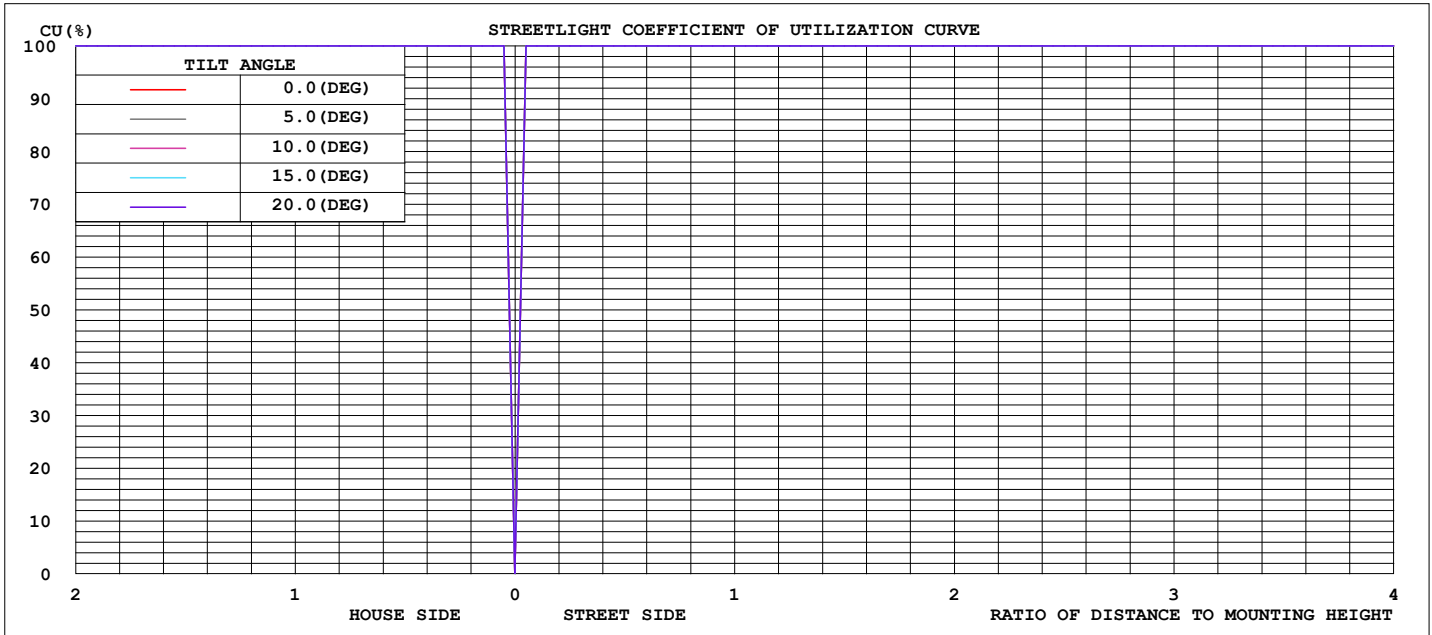
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:27333cd/klm
 Max.At90:796.1cd/klm
 Max.80-90:27333cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	628
90%	565
80%	502
70%	439
60%	377
50%	314
40%	251
30%	188
20%	126
10%	63
5%	31

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:04 November 2022

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
 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: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 04 November 2022

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
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: 98SOL112	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 495 x 210 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

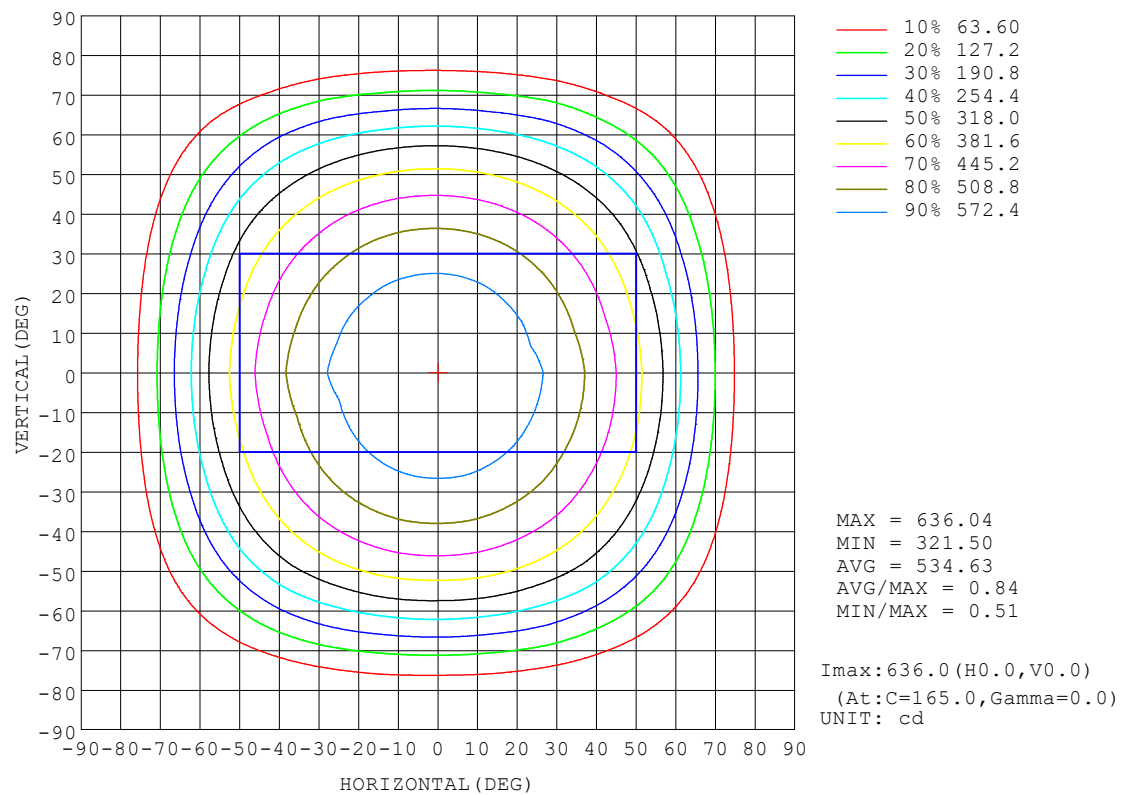
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	620.3	621.6	622.0	622.3	622.4	619.7	619.3	619.1	0- 10	59.61	59.61	3.36,5.96e+003
20	593.3	597.9	599.3	600.3	598.4	595.9	593.3	593.6	10- 20	172.6	232.2	13.1,2.32e+004
30	547.2	553.7	558.3	557.0	554.9	550.4	549.1	547.3	20- 30	265.9	498.1	23.1,4.98e+004
40	480.7	489.7	496.7	494.2	490.5	485.1	484.5	480.9	30- 40	326.9	825.0	45.5,8.25e+004
50	391.9	402.2	411.0	407.6	403.7	397.5	397.5	392.0	40- 50	344.4	1169	65.9,1.17e+005
60	268.8	289.4	286.9	296.1	283.8	285.9	286.3	279.5	50- 60	308.2	1478	83.3,1.48e+005
70	124.6	137.2	144.2	148.5	136.4	145.7	143.3	136.0	60- 70	210.1	1688	95.1,1.69e+005
80	15.14	20.11	25.72	23.65	20.73	22.18	25.55	19.08	70- 80	80.16	1768	99.6,1.77e+005
90	0.7655	0.7805	0.7885	0.7845	0.6394	0.6663	0.6739	0.6724	80- 90	6.962	1775	100,1.77e+005
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: 15.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:04 November 2022

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

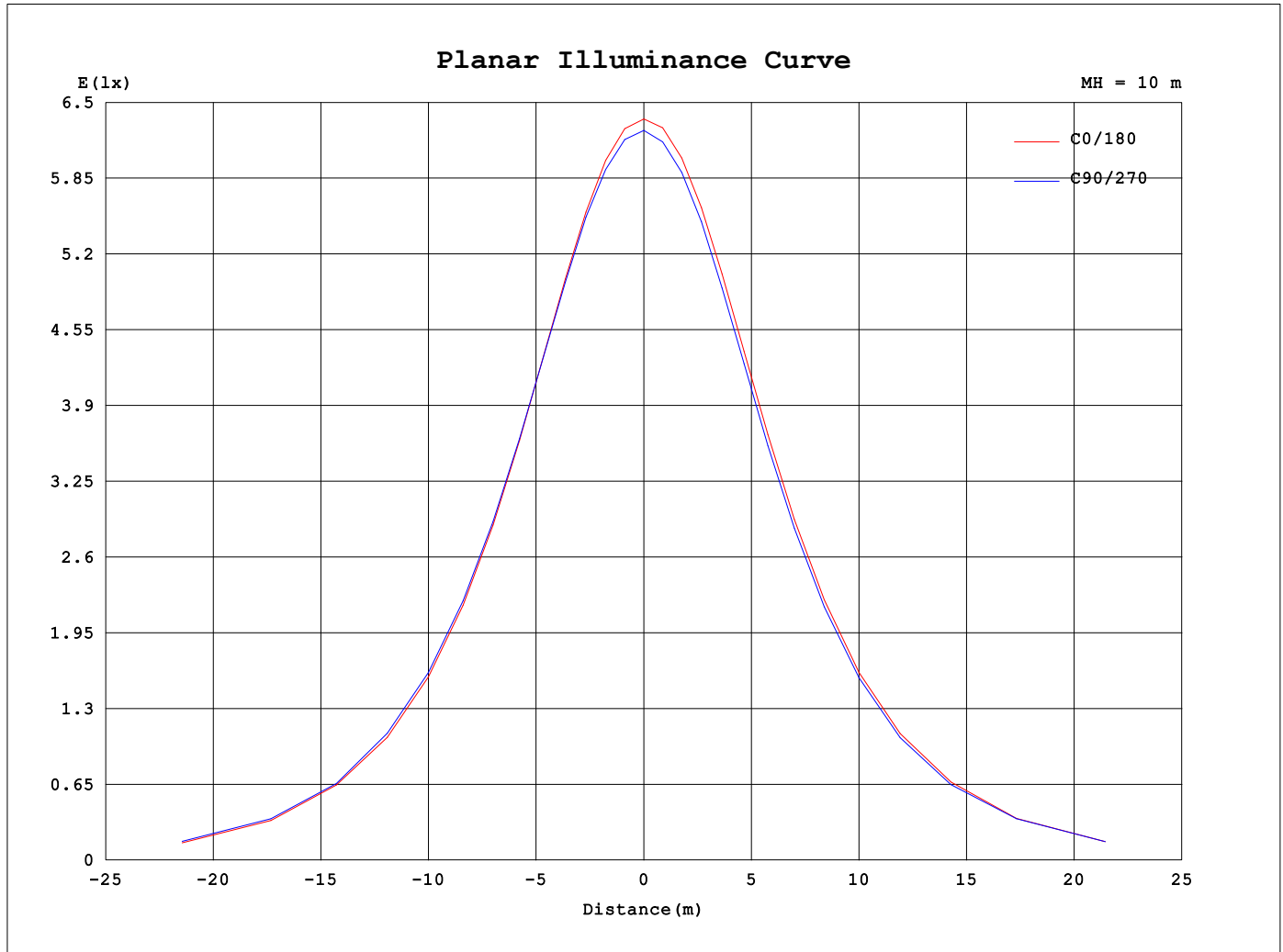
NAME: 98SOL112	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 495 x 210 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 04 November 2022

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

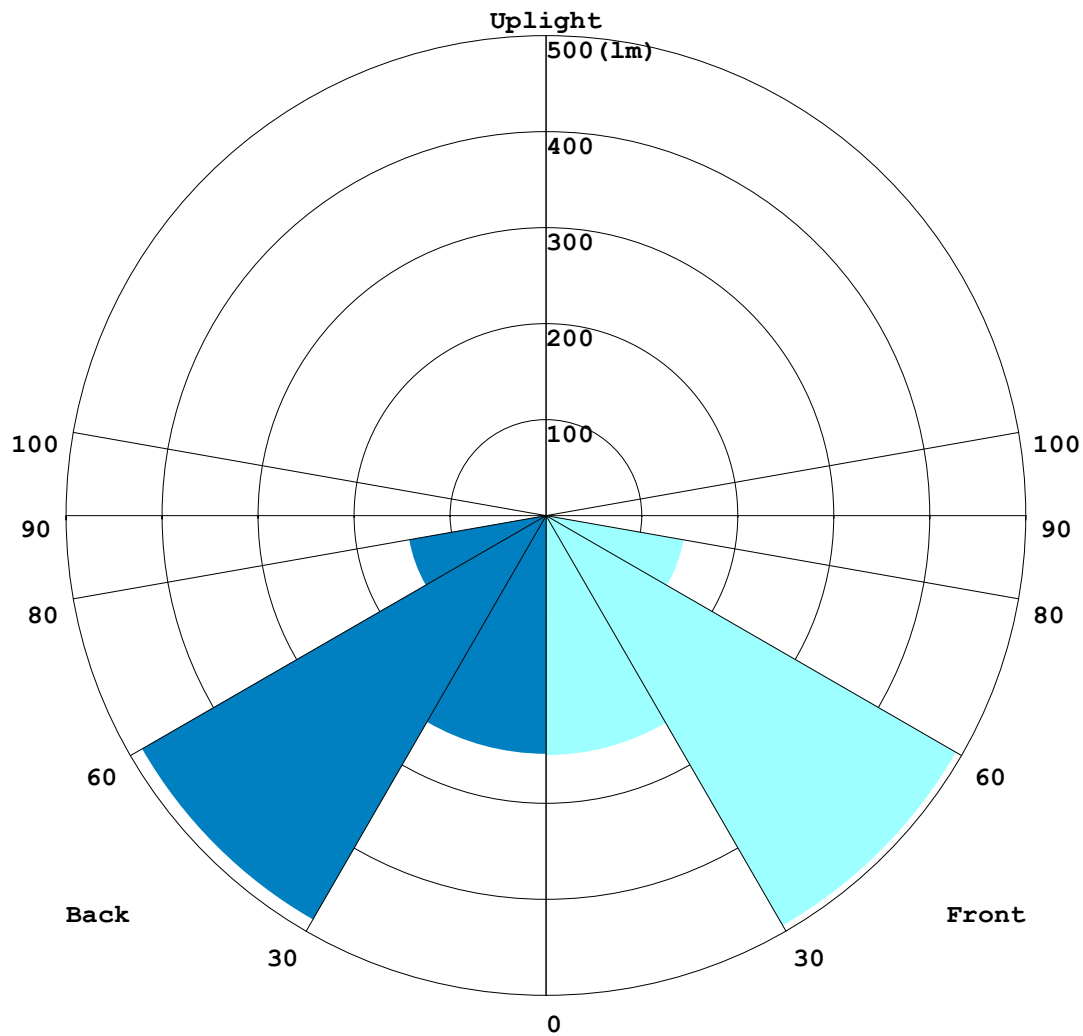


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 04 November 2022

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

LCS REPORT

NAME: 98SOL112	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 495 x 210 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 04 November 2022

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

BUG REPORT

NAME: 98SOL112	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 495 x 210 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	249.78	14.1
FM - Front-Medium(30-60)	493.41	27.8
FH - Front-High(60-80)	145.56	8.2
FVH - Front-Very High(80-90)	3.5281	0.2
Total Forward Light	892.27	50.3

BL - Back-Low(0-30)	248.32	14.0
BM - Back-Medium(30-60)	486.08	27.4
BH - Back-High(60-80)	144.65	8.2
BVH - Back-Very High(80-90)	3.4343	0.2
Total Back Light	882.49	49.7

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	B1-U0-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	882.49	0	882.49
Street Side	892.27	0	892.27

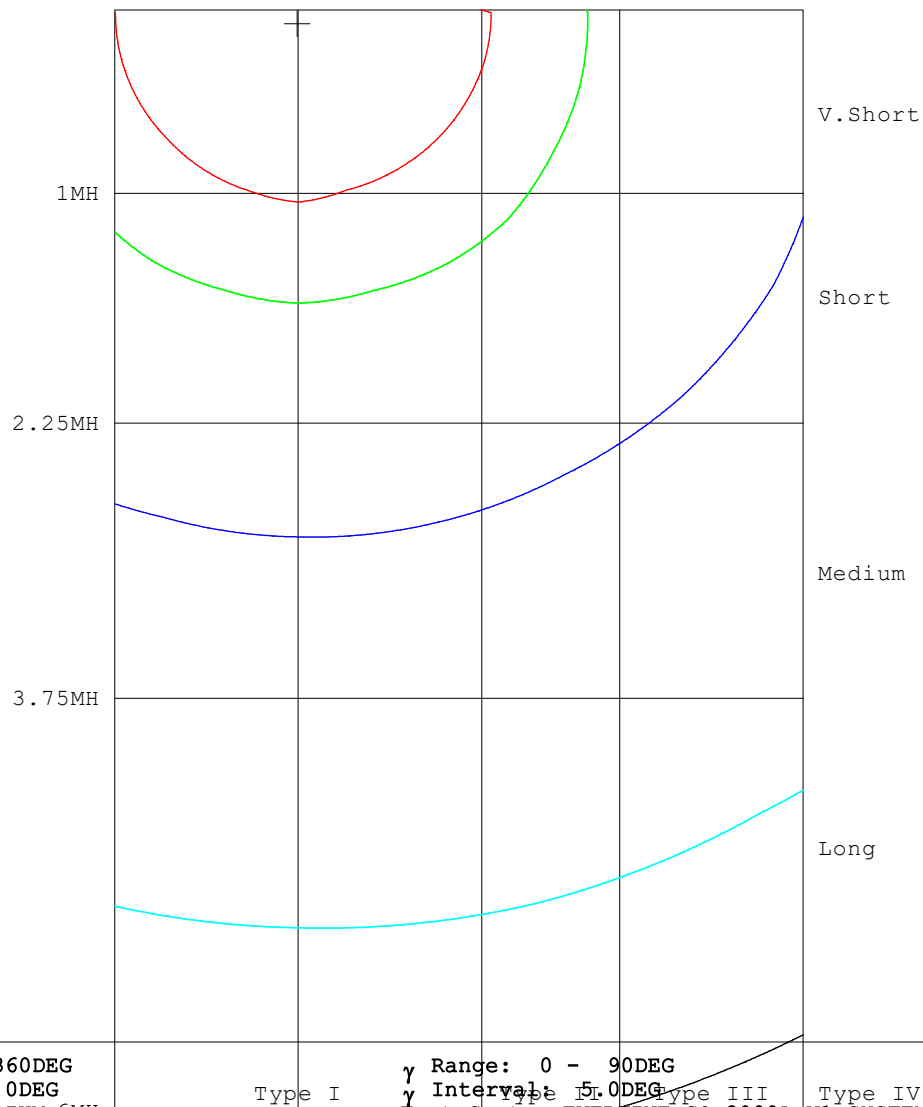
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:04 November 2022

γ Range: 0 - 90DEG
γ Interval: 5.0DEG
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: 98SOL112	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 495 x 210 x 80	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM 6MH
 Temperature: 25.3°C
 Operators:
 Test Date: 04 November 2022

γ Range: 0 - 90DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000A-V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]

Pavement 70% 444.06
 Road 20% 126.87
 Remarks:

50% 317.18
 5% 31.718

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γ Range: 0 - 90DEG
γ Interval: 5.0DEG
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: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

```