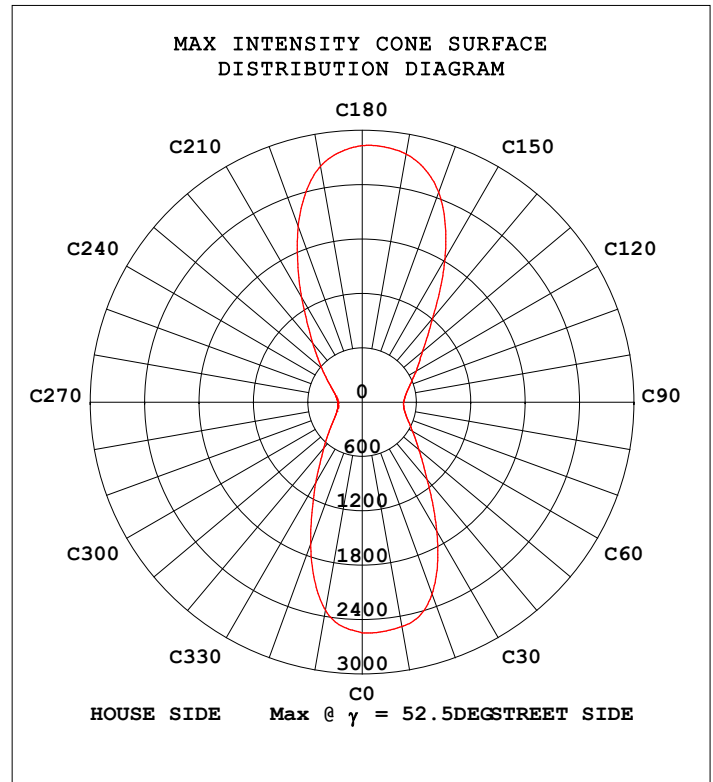
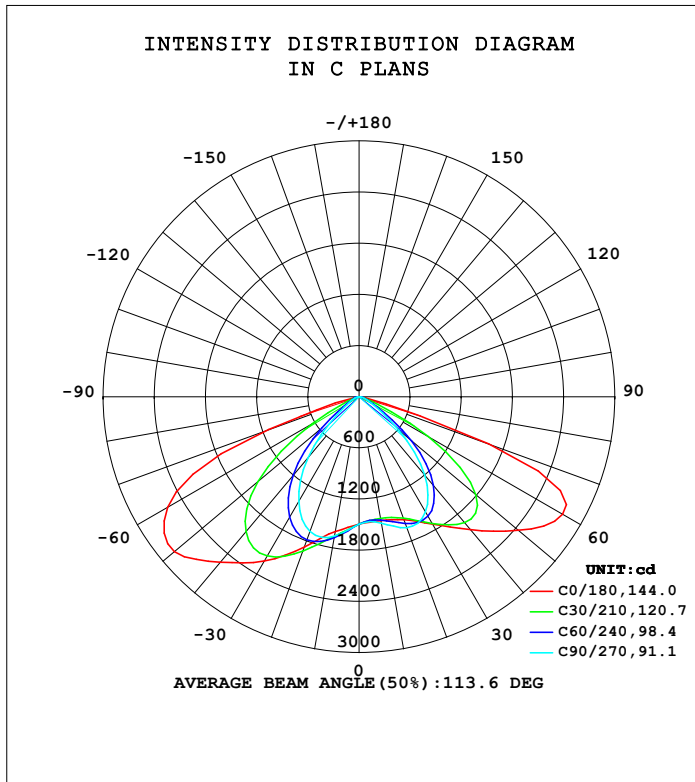


STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: 98ROUTE50SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 356 x 155 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	98ROUTE50SMD	Imax (cd)	2831	η street_up (%)	0.0
NOMINAL POWER (W)	50	LOR (%)	106.2	η street_down (%)	56.8
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	5311	η house_up (%)	0.0
NOMINAL FLUX (lm)	5000	MAXIMUM @ (C, γ)	180, 52.5	η house_down (%)	49.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	230	η down (%)	106.2	SLI	16.789

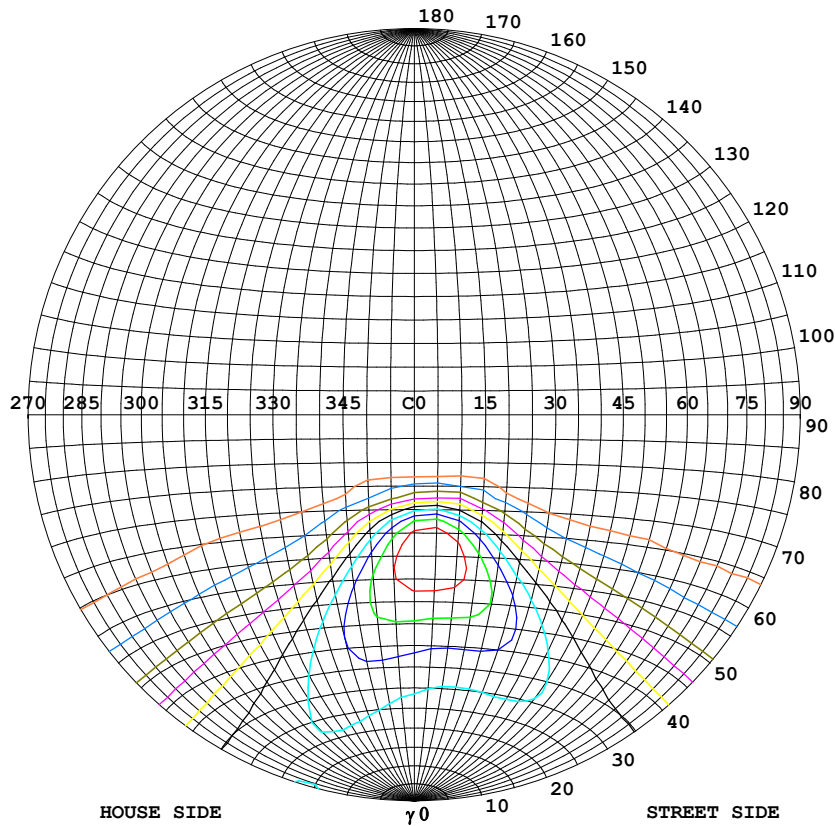


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 01 November 2022

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: 98ROUTE50SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 356 x 155 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:



Classification:

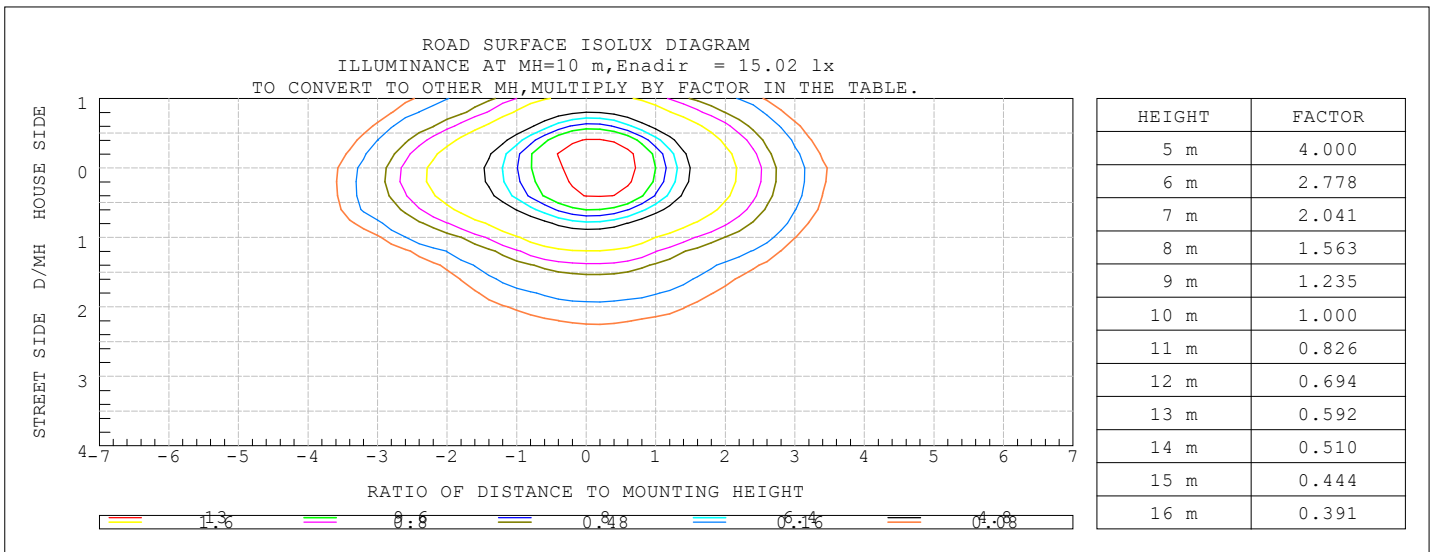
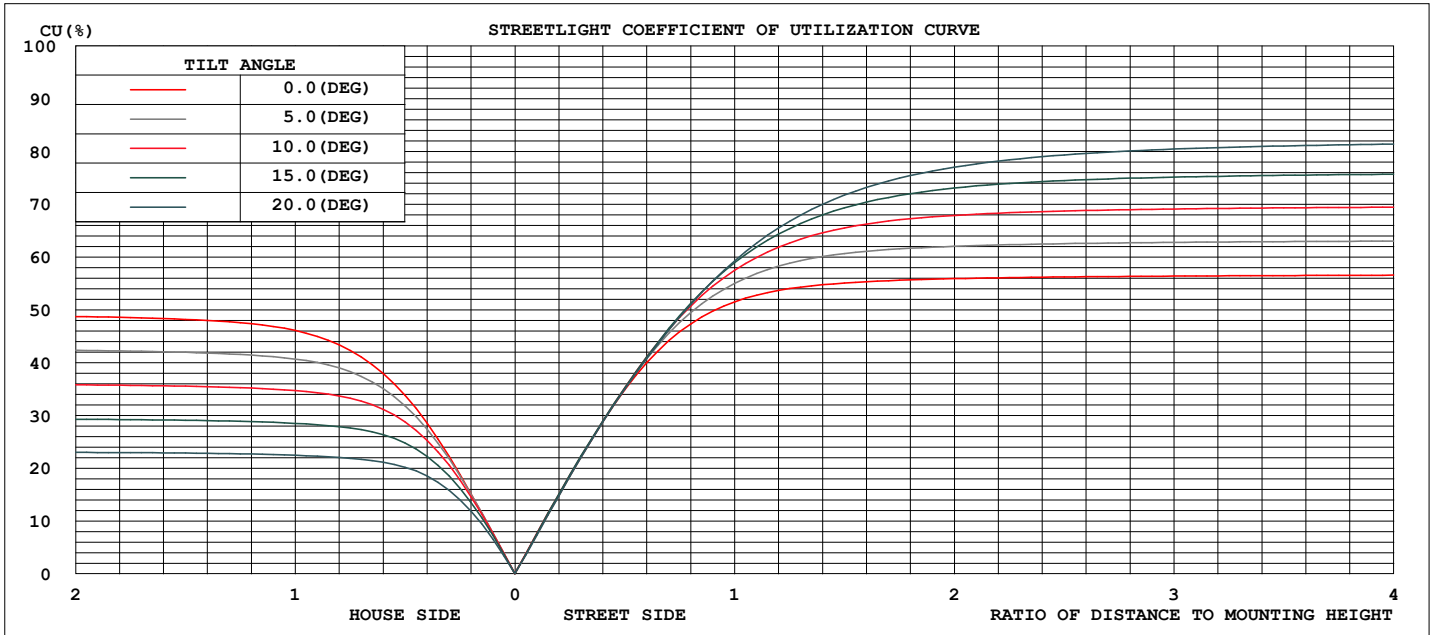
IES:Type I - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:16.78cd/klm
 Max.At90:1.925cd/klm
 Max.80-90:16.78cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	2831
90%	2548
80%	2265
70%	1982
60%	1699
50%	1416
40%	1132
30%	849
20%	566
10%	283
5%	142

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:01 November 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: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 01 November 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: 98ROUTE50SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 356 x 155 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

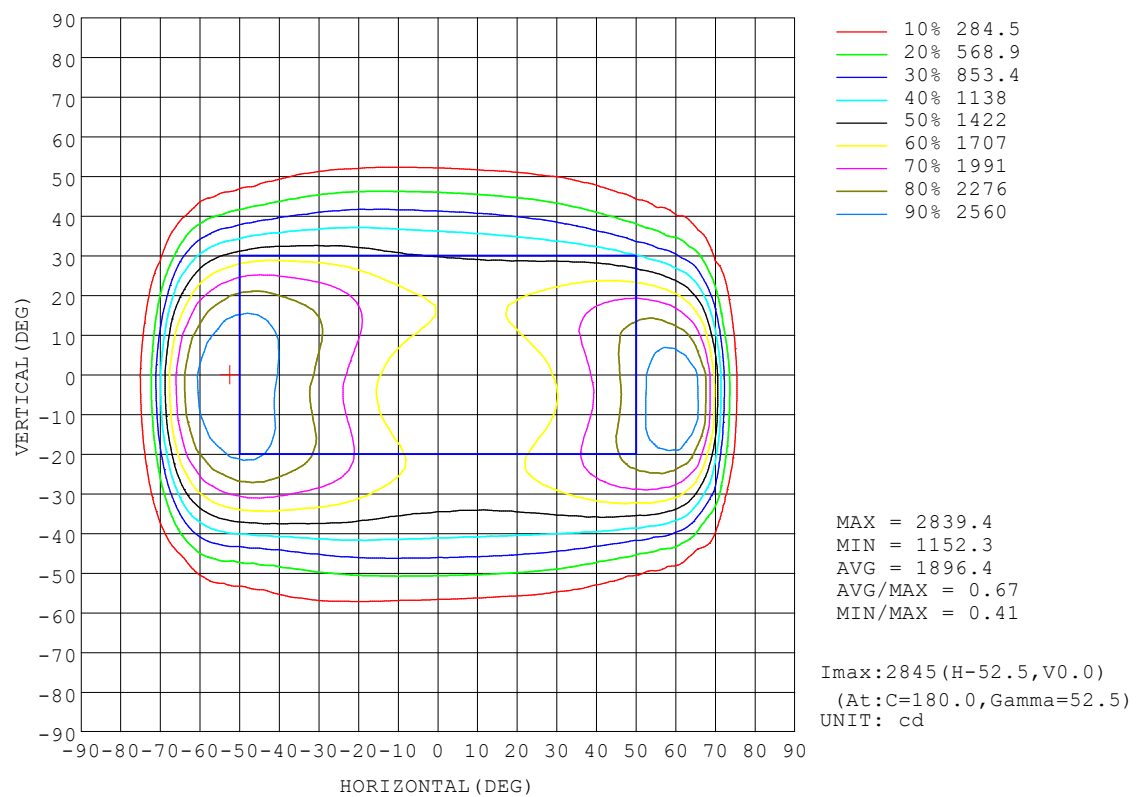
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1475	1454	1506	1544	1604	1673	1657	1584	0- 10	146.1	146.1	2.75,2.92
20	1536	1552	1634	1751	1873	1868	1683	1686	10- 20	463.9	610.0	11.5,12.2
30	1725	1694	1560	1970	2224	1894	1416	1648	20- 30	808.5	1419	26.7,28.4
40	2033	1610	1199	1842	2534	1533	930.4	1316	30- 40	1083	2502	47.1,50
50	2436	1126	609.1	1219	2826	878.3	359.9	713.6	40- 50	1153	3654	68.8,73.1
60	2755	392.7	199.2	454.1	2593	246.4	137.9	226.6	50- 60	947.2	4602	86.6,92
70	1617	102.1	81.86	138.1	1126	89.43	58.13	95.18	60- 70	559.4	5161	97.2,103
80	52.09	47.13	24.63	62.34	47.55	47.65	14.85	36.84	70- 80	125.8	5287	99.5,106
90	4.855	2.604	0.6570	2.788	4.112	1.544	0.8260	1.899	80- 90	24.37	5311	100,106
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: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:01 November 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

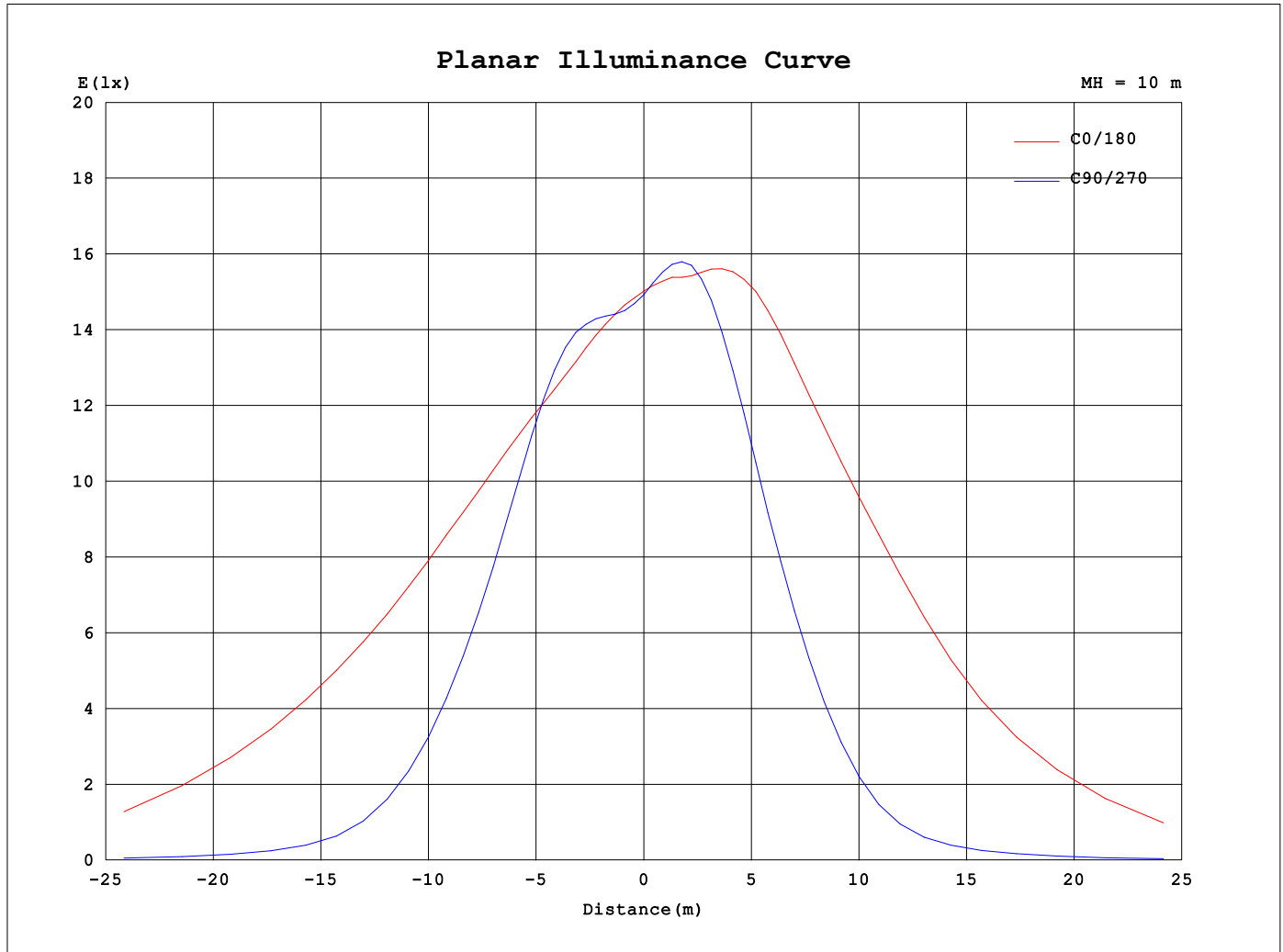
NAME: 98ROUTE50SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 356 x 155 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:01 November 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

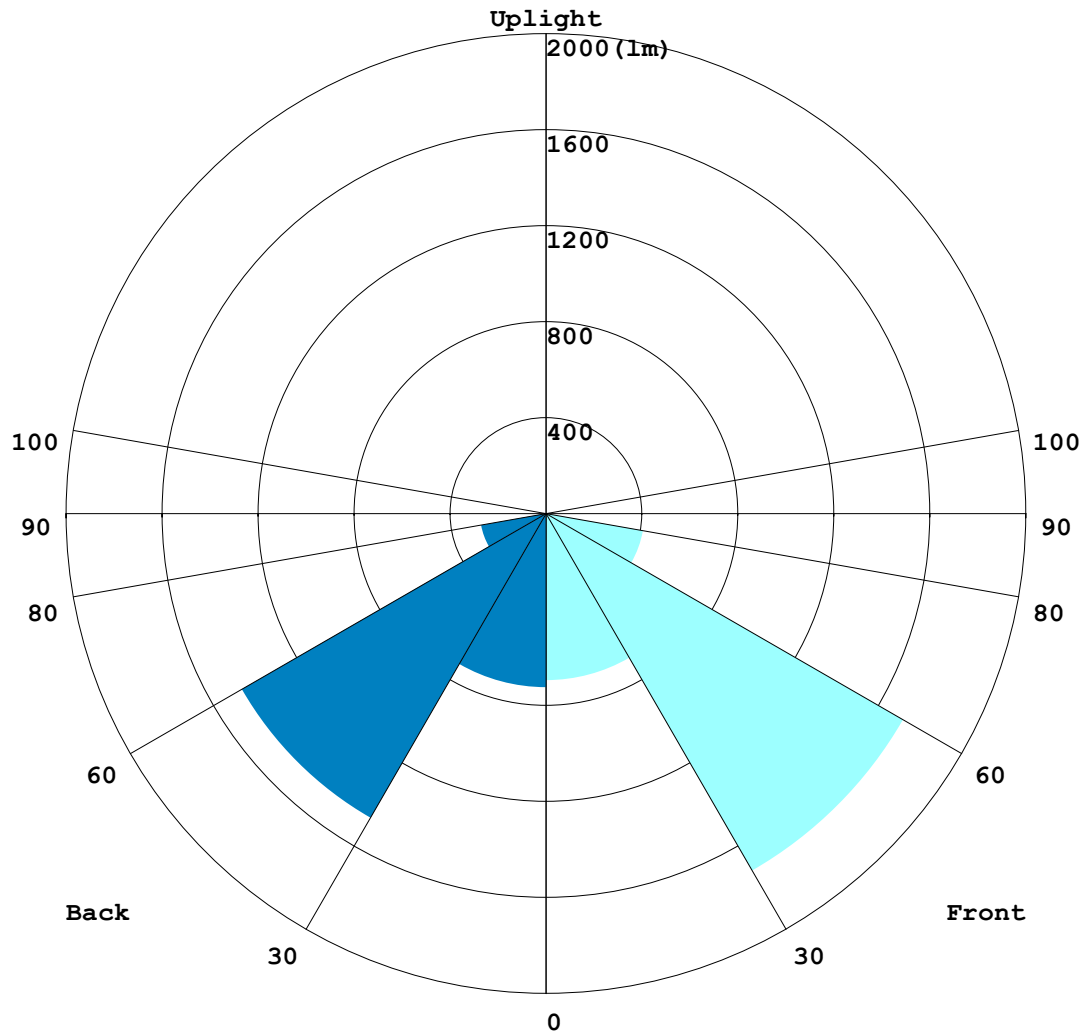


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 01 November 2022

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: 98ROUTE50SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 356 x 155 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 01 November 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: 98ROUTE50SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 356 x 155 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	694.15	13.1
FM - Front-Medium(30-60)	1719.1	32.4
FH - Front-High(60-80)	410.07	7.7
FVH - Front-Very High(80-90)	15.224	0.3
Total Forward Light	2838.5	53.4

BL - Back-Low(0-30)	724.37	13.6
BM - Back-Medium(30-60)	1464.1	27.6
BH - Back-High(60-80)	275.15	5.2
BVH - Back-Very High(80-90)	9.1472	0.2
Total Back Light	2472.7	46.6

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	2472.7	0	2472.7
Street Side	2838.5	0	2838.5

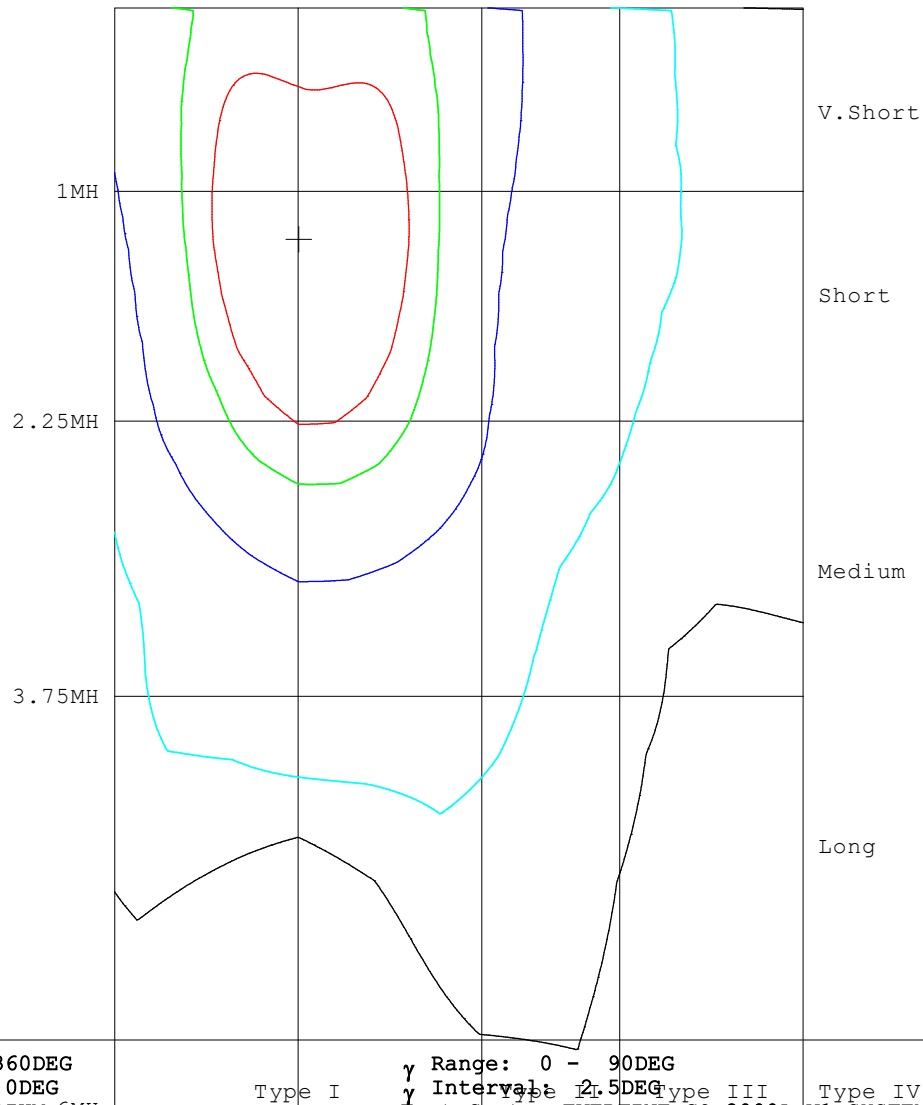
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:01 November 2022

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: 98ROUTE50SMD	TYPE:	WEIGHT: 1
SPEC.:	DIM.: 356 x 155 x 60	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: parallelepiped	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM 6MH
Temperature: 25.3°C
Operators:
Test Date: 01 November 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% 1993.3 — 50% 1423.8 — 20% 569.32 — 5% 142.38

```

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:

```

```

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:

```

```

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:

```

```

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:

```