

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P636002

Luminaire Tested: **IFLD-M-SA4E-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636002
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21780.1 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

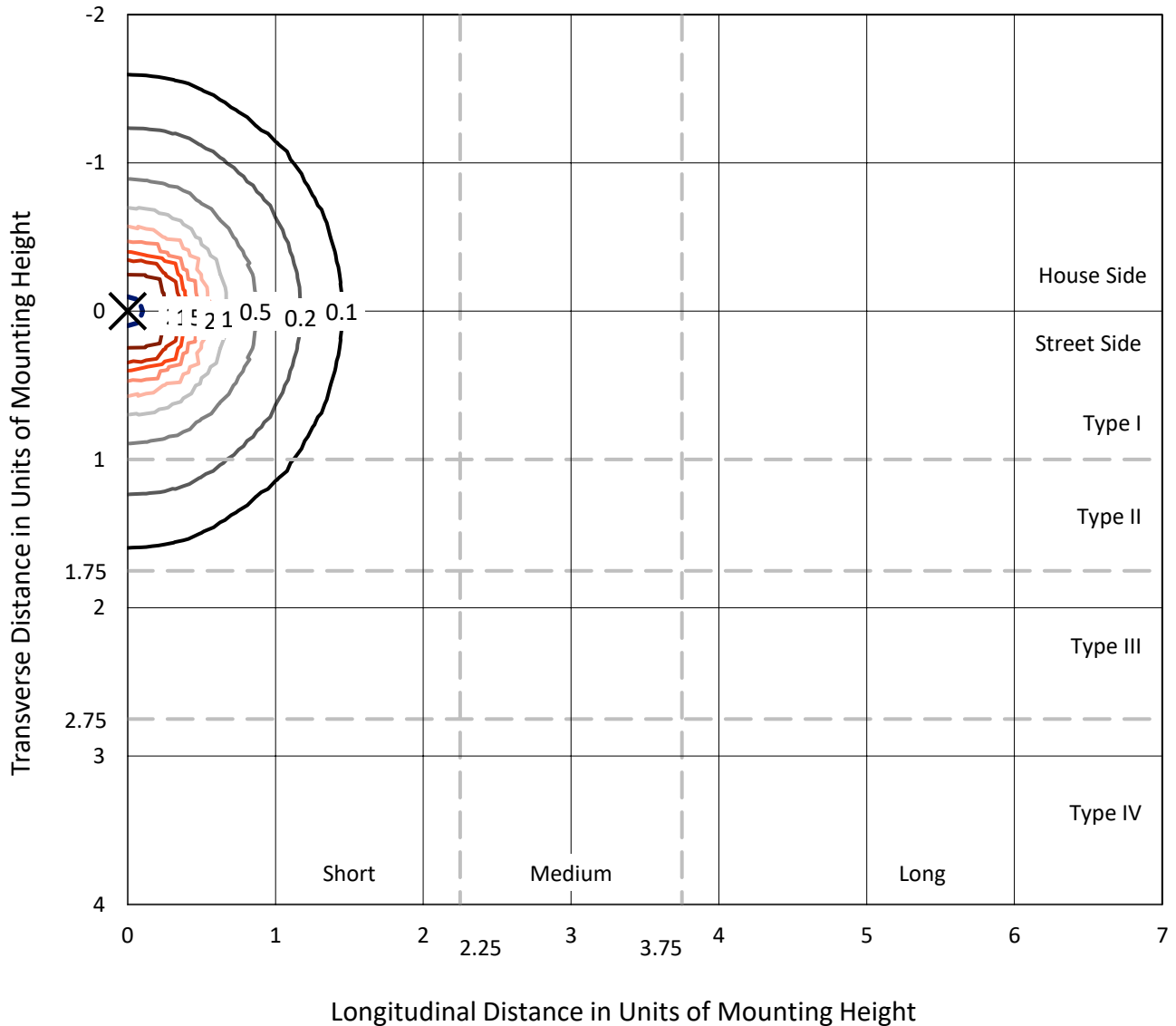
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

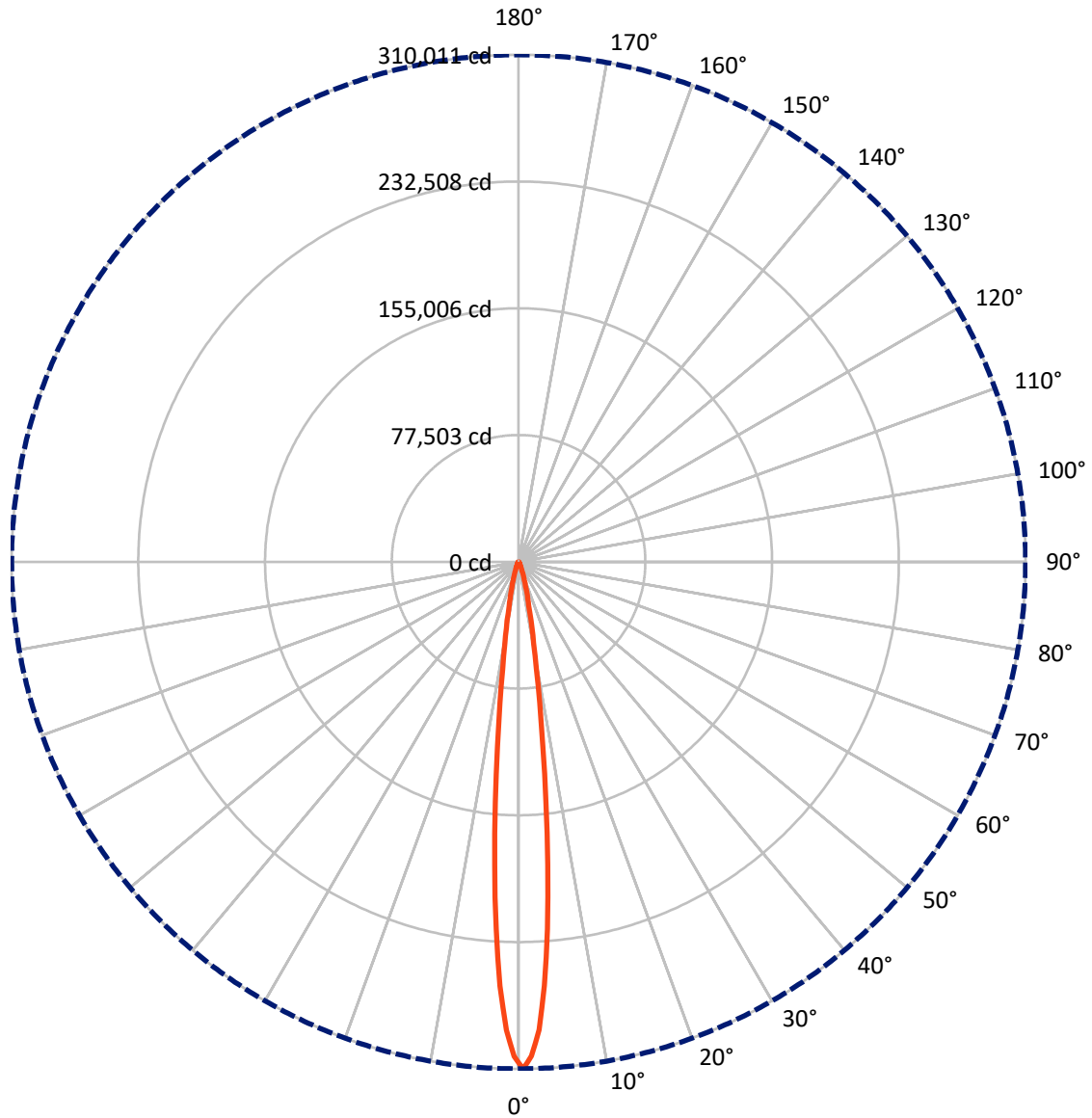
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 775 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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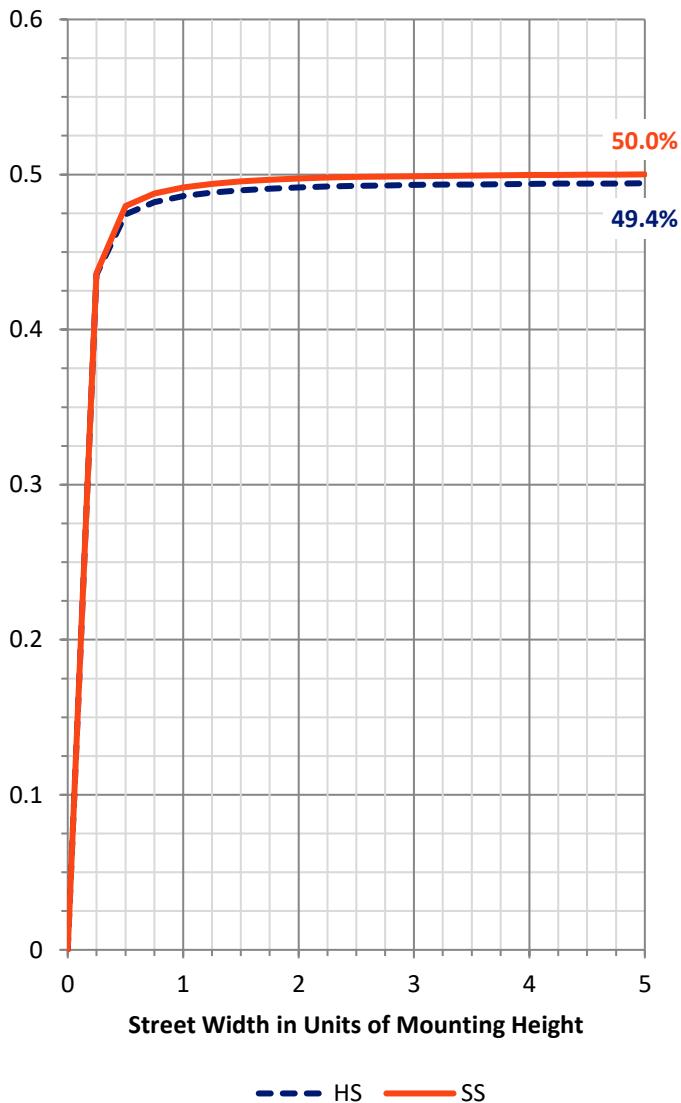
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10890.1	0.0	10890.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10890.1	0.0	10890.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	21780.1	0.0	21780.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13276.7	61.0
10°-20°	5948.1	27.3
20°-30°	1328.3	6.1
30°-40°	433.6	2.0
40°-50°	299.0	1.4
50°-60°	225.9	1.0
60°-70°	154.6	0.7
70°-80°	81.4	0.4
80°-90°	32.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	21780.1	100.0
0°-180°	21780.1	100.0

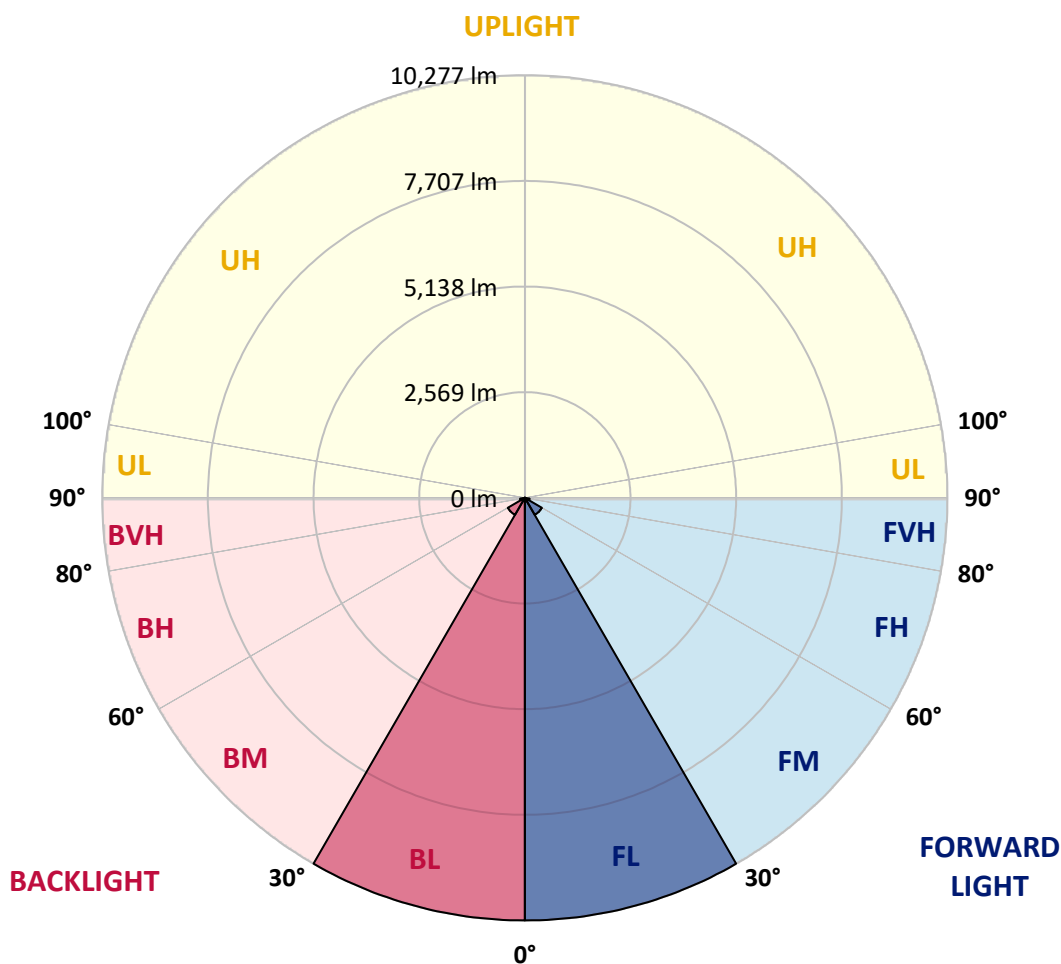


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10276.6	47.2			
FM (30°-60°)	479.2	2.2			
FH (60°-80°)	118.0	0.5			G0/660
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	10276.6	47.2	B5		
BM (30°-60°)	479.2	2.2	B1/1000		
BH (60°-80°)	118.0	0.5	B1/500		G0/660
BVH (80°-90°)	16.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	310011.1	310011.1	310011.1	310011.1	310011.1	310011.1	310011.1	310011.1	310011.1	310011.1
1°	302314.2	302725.5	302267.7	304579.8	305534.2	306030.8	306089.0	307392.5	306387.7	306667.0
2°	286381.3	287296.9	285764.5	287246.4	290210.3	291331.5	289504.3	291762.1	290955.2	291424.6
3°	259609.2	260730.4	258612.2	260423.9	264237.4	265090.9	262095.9	265304.3	265222.8	265897.8
4°	225101.5	226920.9	223895.0	226040.3	227727.9	230699.5	227797.7	231448.3	231378.4	232550.0
5°	185930.6	187897.5	185267.2	187494.0	189092.4	190198.0	189135.0	193173.6	193429.6	194640.0
6°	147601.6	149436.6	146499.8	148625.8	151159.1	151613.0	151337.5	154813.5	155585.5	154642.8
7°	113594.3	114052.1	113590.4	115522.4	117555.2	117628.9	117985.8	121042.9	121721.8	121395.9
8°	86996.8	84901.9	86701.9	87726.1	88354.6	91240.9	91454.3	92994.4	94243.6	94332.8
9°	66222.3	64282.6	66365.8	66773.2	68216.3	70780.6	70458.7	72142.3	72926.0	72875.6
10°	50487.2	49501.8	50545.4	50995.4	52182.5	54355.0	54731.3	55503.4	56085.3	56465.5
12.5°	27396.7	27625.6	28230.8	28704.1	30302.4	30880.5	31113.2	31179.2	31175.3	31237.4
15°	17019.2	17205.4	17628.2	18485.6	19459.3	20177.0	20277.9	19905.5	19583.5	19533.1
17.5°	10614.2	10540.5	11533.6	12472.4	13644.0	14016.5	13628.5	13201.8	12763.4	12511.2
20°	6370.1	6420.5	6758.0	7177.0	8123.6	8767.6	8364.1	7929.6	7475.7	7177.0
22.5°	3619.5	3673.8	3821.3	4038.5	4399.3	4985.1	4729.1	4290.7	3968.7	3836.8
25°	2137.6	2137.6	2226.8	2323.8	2475.1	2610.9	2556.6	2323.8	2133.7	2079.4
27.5°	1385.0	1373.3	1404.4	1450.9	1520.7	1528.5	1466.4	1396.6	1299.6	1264.7
30°	1012.5	1016.4	1012.5	1031.9	1028.1	1000.9	962.1	966.0	927.2	923.3
32.5°	822.4	826.3	826.3	822.4	803.0	760.4	733.2	760.4	752.6	744.9
35°	682.8	686.7	725.5	721.6	690.5	644.0	624.6	655.6	678.9	644.0
37.5°	589.7	593.6	624.6	640.1	601.3	570.3	547.0	574.2	609.1	570.3
40°	519.8	523.7	531.5	535.4	516.0	500.4	488.8	496.6	512.1	492.7
42.5°	457.8	453.9	457.8	453.9	430.6	438.4	430.6	419.0	430.6	415.1
45°	399.6	399.6	399.6	387.9	364.7	380.2	372.4	360.8	364.7	353.0
47.5°	364.7	364.7	364.7	349.2	329.8	329.8	333.6	314.2	318.1	314.2
50°	329.8	329.8	337.5	322.0	306.5	294.8	298.7	283.2	287.1	283.2
52.5°	302.6	302.6	302.6	294.8	283.2	275.4	267.7	259.9	256.0	252.2
55°	291.0	291.0	287.1	263.8	259.9	252.2	236.6	232.8	225.0	221.1
57.5°	271.6	271.6	267.7	248.3	232.8	232.8	209.5	205.6	194.0	194.0
60°	240.5	240.5	236.6	232.8	213.4	201.7	186.2	178.5	166.8	162.9
62.5°	228.9	228.9	221.1	201.7	197.9	178.5	162.9	147.4	139.7	131.9
65°	213.4	209.5	205.6	186.2	170.7	159.1	139.7	120.3	112.5	97.0
67.5°	190.1	190.1	186.2	170.7	155.2	135.8	116.4	100.9	81.5	69.8
70°	166.8	162.9	162.9	147.4	135.8	120.3	93.1	77.6	58.2	46.6
72.5°	139.7	139.7	135.8	124.1	116.4	104.7	81.5	62.1	38.8	31.0
75°	112.5	112.5	108.6	100.9	97.0	85.3	69.8	54.3	31.0	15.5
77.5°	93.1	89.2	89.2	81.5	77.6	69.8	58.2	42.7	23.3	11.6
80°	69.8	69.8	73.7	69.8	62.1	58.2	50.4	38.8	19.4	7.8
82.5°	50.4	50.4	54.3	54.3	54.3	50.4	50.4	38.8	19.4	3.9
85°	34.9	34.9	42.7	38.8	38.8	42.7	62.1	50.4	15.5	3.9
87.5°	19.4	19.4	19.4	15.5	15.5	19.4	23.3	19.4	7.8	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
310011.1
304614.8
289748.7
264086.1
230493.9
192327.8
154739.8
120949.8
93207.8
74062.7
56690.5
31287.8
19377.9
12472.4
7242.9
3852.3
2071.6
1264.7
919.4
729.3
636.2
566.4
484.9
415.1
353.0
314.2
283.2
252.2
217.2
194.0
155.2
128.0
93.1
69.8
46.6
27.2
15.5
7.8
3.9
3.9
3.9
3.9
0.0

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