

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: P636404

Luminaire Tested: **IFLD-M-SA4A-950-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636404
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-950-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12475.8 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

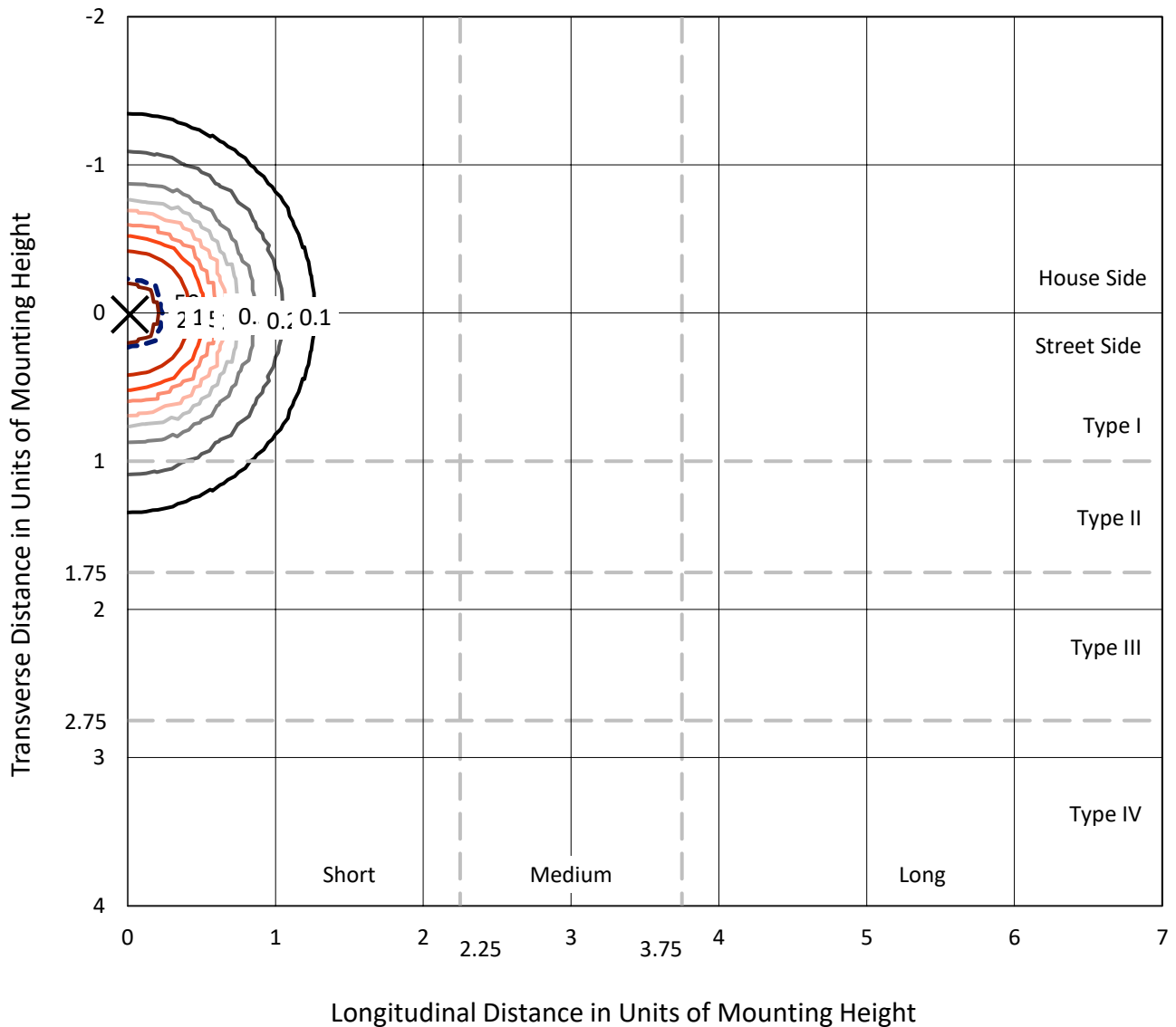
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

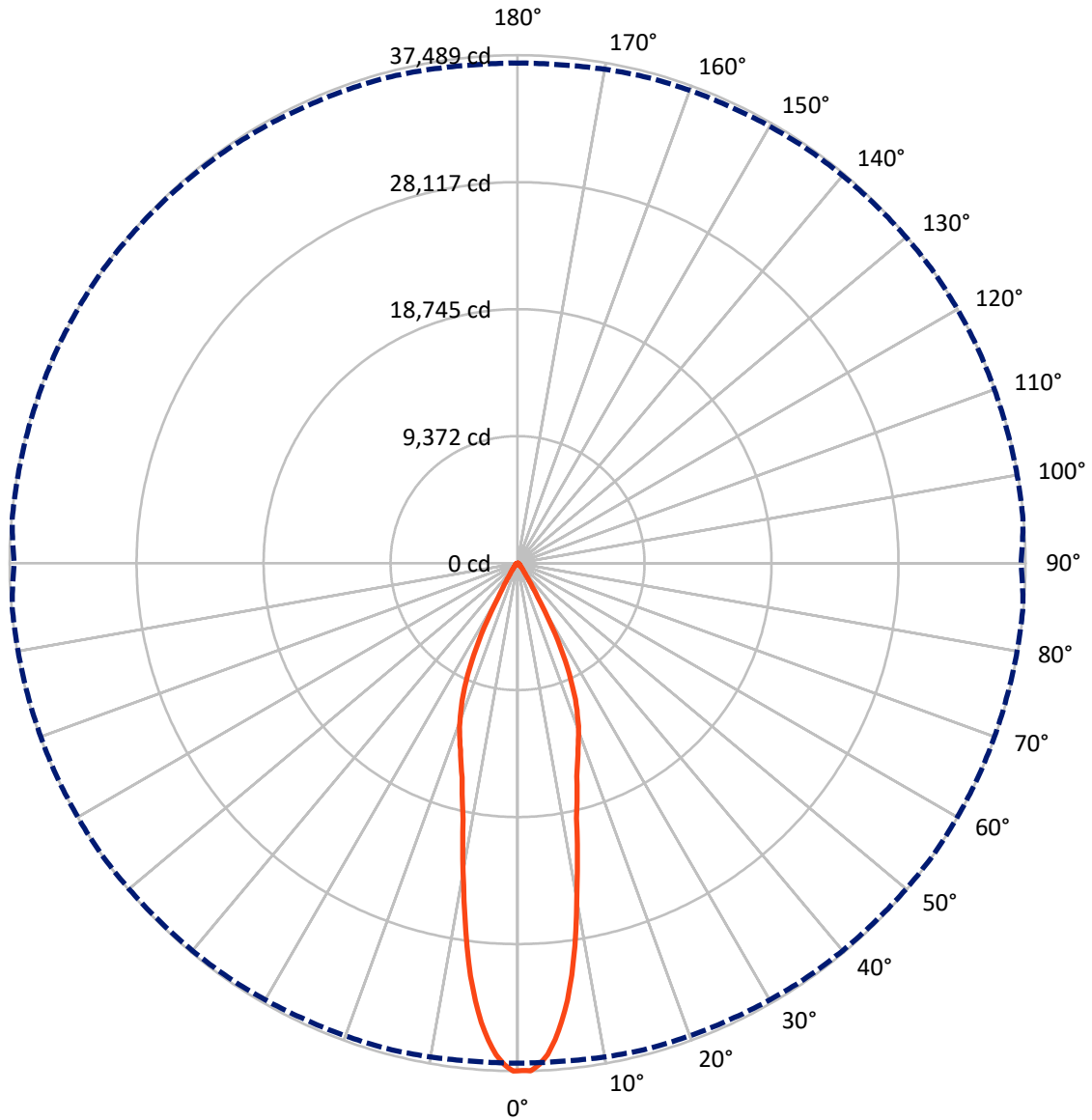
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 93.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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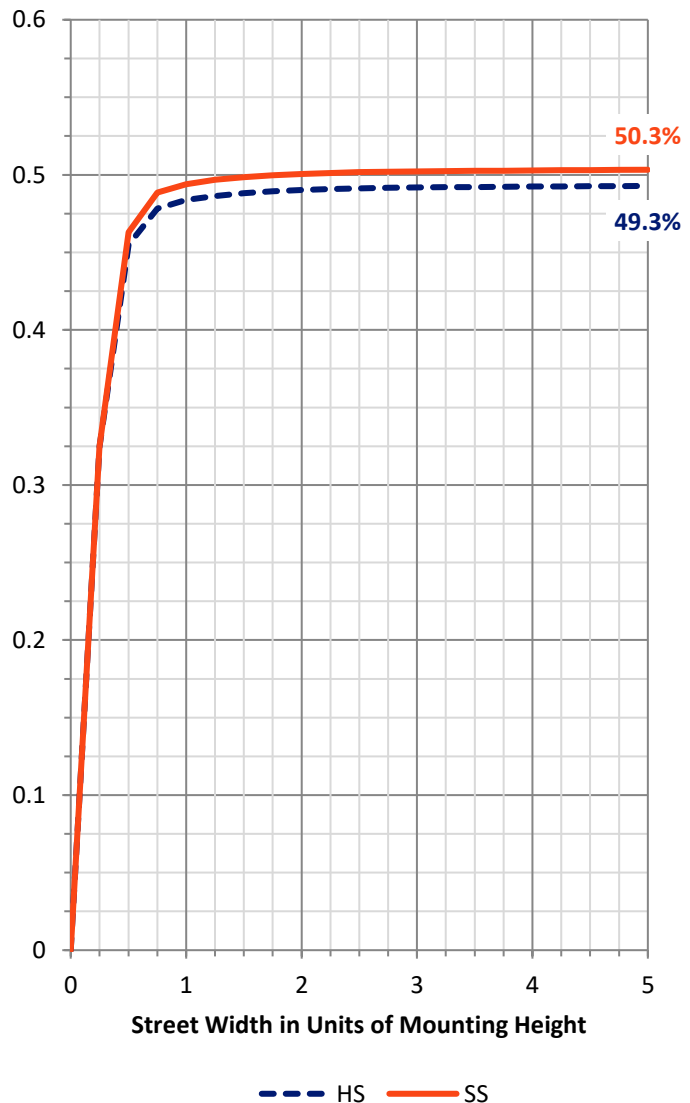
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6237.9	0.0	6237.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6237.9	0.0	6237.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12475.8	0.0	12475.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2849.1	22.8
10°-20°	4653.4	37.3
20°-30°	3636.3	29.1
30°-40°	792.6	6.4
40°-50°	234.7	1.9
50°-60°	146.8	1.2
60°-70°	102.6	0.8
70°-80°	44.1	0.4
80°-90°	16.3	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°	12475.8	100.0
0°-180°	12475.8	100.0

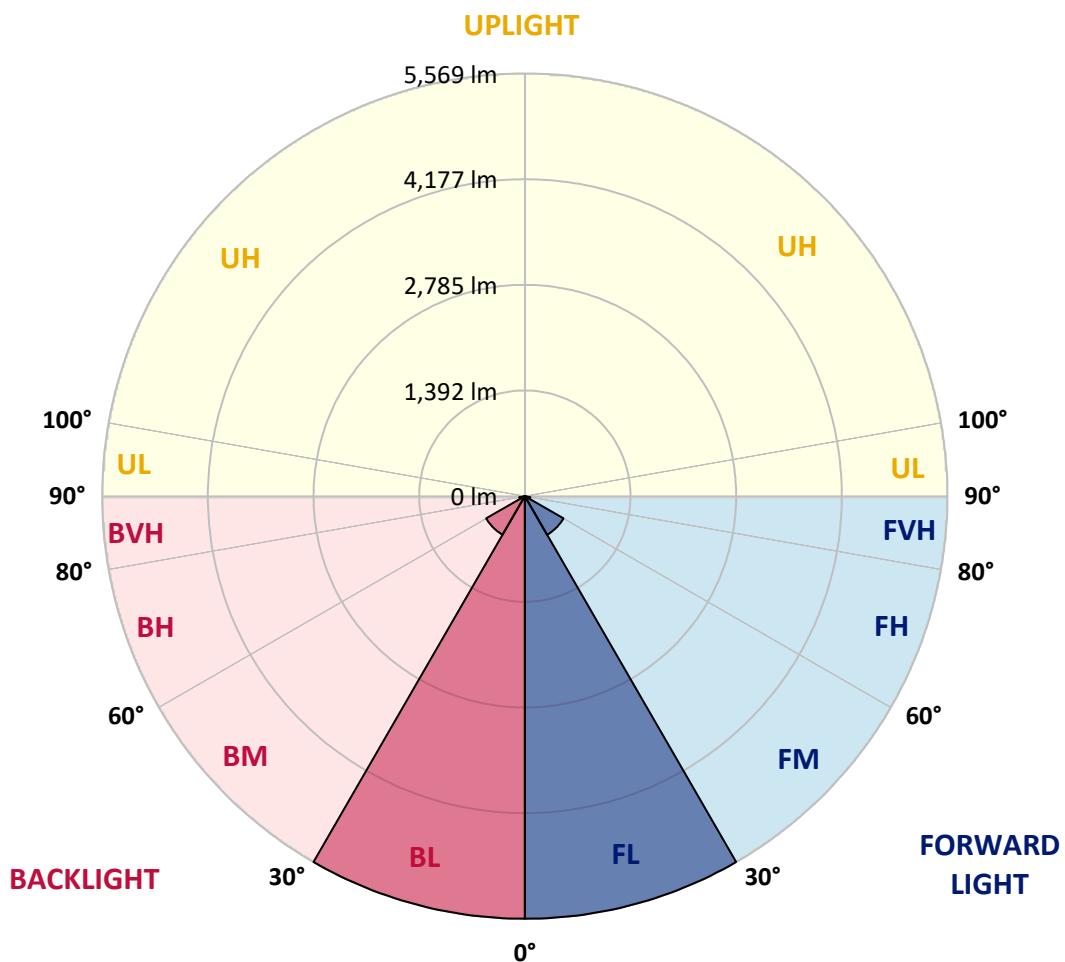


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5569.4	44.6			
FM (30°-60°)	587.0	4.7			
FH (60°-80°)	73.4	0.6			G0/660
FVH (80°-90°)	8.1	0.1			G0/10
BL (0°-30°)	5569.4	44.6	B5		
BM (30°-60°)	587.0	4.7	B1/1000		
BH (60°-80°)	73.4	0.6	B0/110		G0/660
BVH (80°-90°)	8.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	37446.2	37446.2	37446.2	37446.2	37446.2	37446.2	37446.2	37446.2	37446.2	37446.2
1°	36904.1	36908.6	37109.7	37154.8	37292.6	37362.6	37489.1	37475.5	37437.1	37441.7
2°	36224.3	36195.0	36382.4	36590.2	36755.1	36890.6	37041.9	37073.5	37037.4	37071.3
3°	35106.4	35063.4	35325.4	35585.2	35872.0	36104.6	36332.7	36341.8	36298.8	36296.6
4°	33636.1	33557.0	33868.7	34331.7	34693.0	35002.5	35287.0	35282.5	35223.8	35271.2
5°	31858.6	31759.2	32163.5	32773.3	33308.6	33681.2	33995.2	33920.6	33785.1	33791.9
6°	29676.9	29774.0	30268.6	31124.6	31757.0	32066.4	32452.6	32312.6	32077.7	32052.8
7°	27626.2	27845.2	28240.5	29272.6	30024.7	30349.9	30677.4	30395.1	30076.6	30024.7
8°	25467.0	25832.9	26379.5	27330.3	28132.1	28459.5	28583.8	28281.1	27940.1	27926.5
9°	23716.7	23967.4	24437.1	25275.0	26090.4	26309.4	26336.5	26072.3	25731.3	25753.8
10°	22124.4	22171.8	22578.4	23298.8	23951.5	24107.4	24100.6	23908.6	23628.6	23703.1
12.5°	18560.5	18689.2	18806.7	19037.0	19256.1	19357.7	19319.3	19240.3	19086.7	19093.5
15°	16141.6	16139.3	16152.9	16259.0	16324.5	16335.8	16335.8	16236.5	16171.0	16268.1
17.5°	14007.3	14124.8	14334.8	14420.6	14506.4	14474.8	14416.1	14370.9	14328.0	14411.6
20°	12347.3	12399.2	12401.5	12458.0	12891.6	12914.2	12839.7	12710.9	12602.5	12582.2
22.5°	10479.5	10558.6	10592.4	10642.1	10687.3	11017.0	10929.0	10721.2	10592.4	10554.0
25°	7866.4	7839.3	8060.6	8467.2	8532.7	8573.3	8550.7	8442.3	8358.8	8374.6
27.5°	5436.2	5483.7	5474.6	5479.2	5910.5	5908.3	5901.5	5806.6	5781.8	5745.7
30°	3040.0	3017.4	3028.7	2999.3	2938.3	3012.9	2893.2	2994.8	2895.4	2927.0
32.5°	1797.8	1782.0	1766.2	1772.9	1727.8	1617.1	1569.7	1639.7	1617.1	1608.1
35°	1147.3	1154.1	1174.4	1172.2	1131.5	1068.3	1000.5	1063.8	1054.7	1027.6
37.5°	731.8	731.8	738.5	797.3	763.4	709.2	661.7	688.8	686.6	682.1
40°	519.5	519.5	528.5	544.3	526.2	499.1	472.0	472.0	476.5	463.0
42.5°	386.2	386.2	395.2	404.3	381.7	372.7	359.1	350.1	361.4	350.1
45°	302.6	300.4	302.6	298.1	284.6	284.6	273.3	259.7	273.3	266.5
47.5°	248.4	246.2	243.9	234.9	221.3	223.6	219.1	207.8	214.6	212.3
50°	216.8	212.3	214.6	205.5	194.2	192.0	192.0	180.7	182.9	182.9
52.5°	189.7	189.7	187.5	182.9	178.4	169.4	171.6	160.4	160.4	160.4
55°	178.4	178.4	173.9	164.9	167.1	160.4	153.6	146.8	144.5	144.5
57.5°	176.2	176.2	173.9	164.9	158.1	155.8	146.8	137.8	131.0	133.3
60°	171.6	171.6	167.1	164.9	153.6	149.1	135.5	128.7	119.7	119.7
62.5°	164.9	162.6	153.6	140.0	140.0	128.7	119.7	106.2	99.4	97.1
65°	140.0	137.8	131.0	119.7	112.9	106.2	92.6	79.0	74.5	67.8
67.5°	115.2	115.2	110.7	99.4	94.9	85.8	70.0	61.0	49.7	45.2
70°	94.9	94.9	90.3	83.6	79.0	67.8	54.2	45.2	33.9	29.4
72.5°	76.8	76.8	72.3	67.8	63.2	56.5	45.2	33.9	22.6	18.1
75°	61.0	61.0	58.7	54.2	49.7	45.2	36.1	27.1	15.8	9.0
77.5°	49.7	49.7	47.4	45.2	40.7	36.1	29.4	22.6	11.3	4.5
80°	38.4	38.4	38.4	38.4	33.9	29.4	24.8	18.1	9.0	2.3
82.5°	27.1	27.1	29.4	33.9	27.1	22.6	22.6	18.1	6.8	2.3
85°	18.1	20.3	22.6	20.3	18.1	18.1	31.6	29.4	6.8	2.3
87.5°	9.0	9.0	9.0	9.0	9.0	6.8	9.0	6.8	4.5	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
37446.2
37163.9
36804.8
36100.1
35047.6
33462.2
31723.1
29778.5
27431.9
25417.3
23441.1
18869.9
16042.2
14219.6
12451.2
10416.3
8320.4
5614.7
2965.4
1585.5
998.3
673.0
458.5
347.8
266.5
212.3
185.2
160.4
142.3
133.3
112.9
92.6
65.5
42.9
27.1
15.8
6.8
4.5
2.3
2.3
2.3
0.0
0.0

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