

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: P636346

Luminaire Tested: **IFLD-M-SA4A-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636346
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11464.1 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

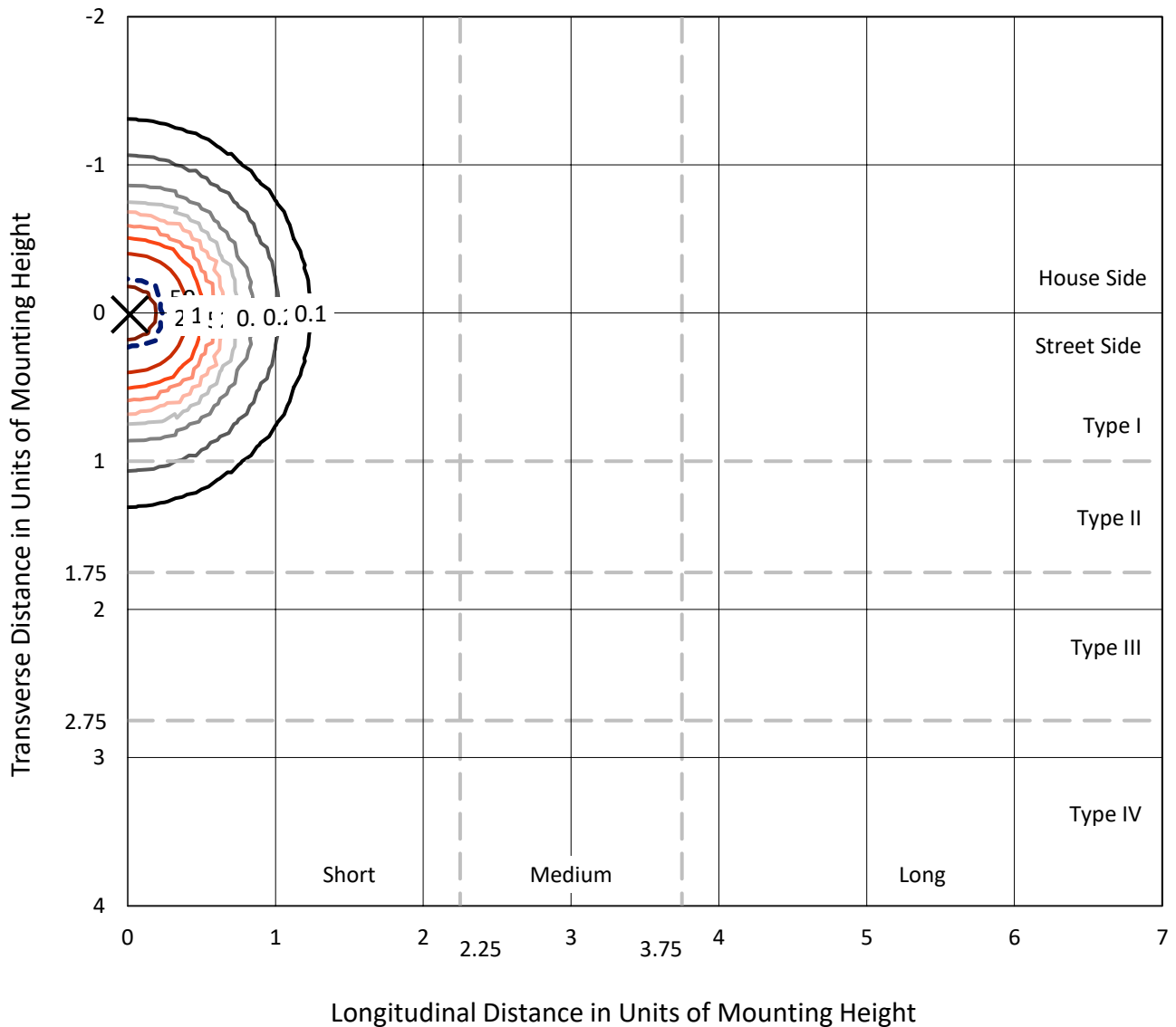
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

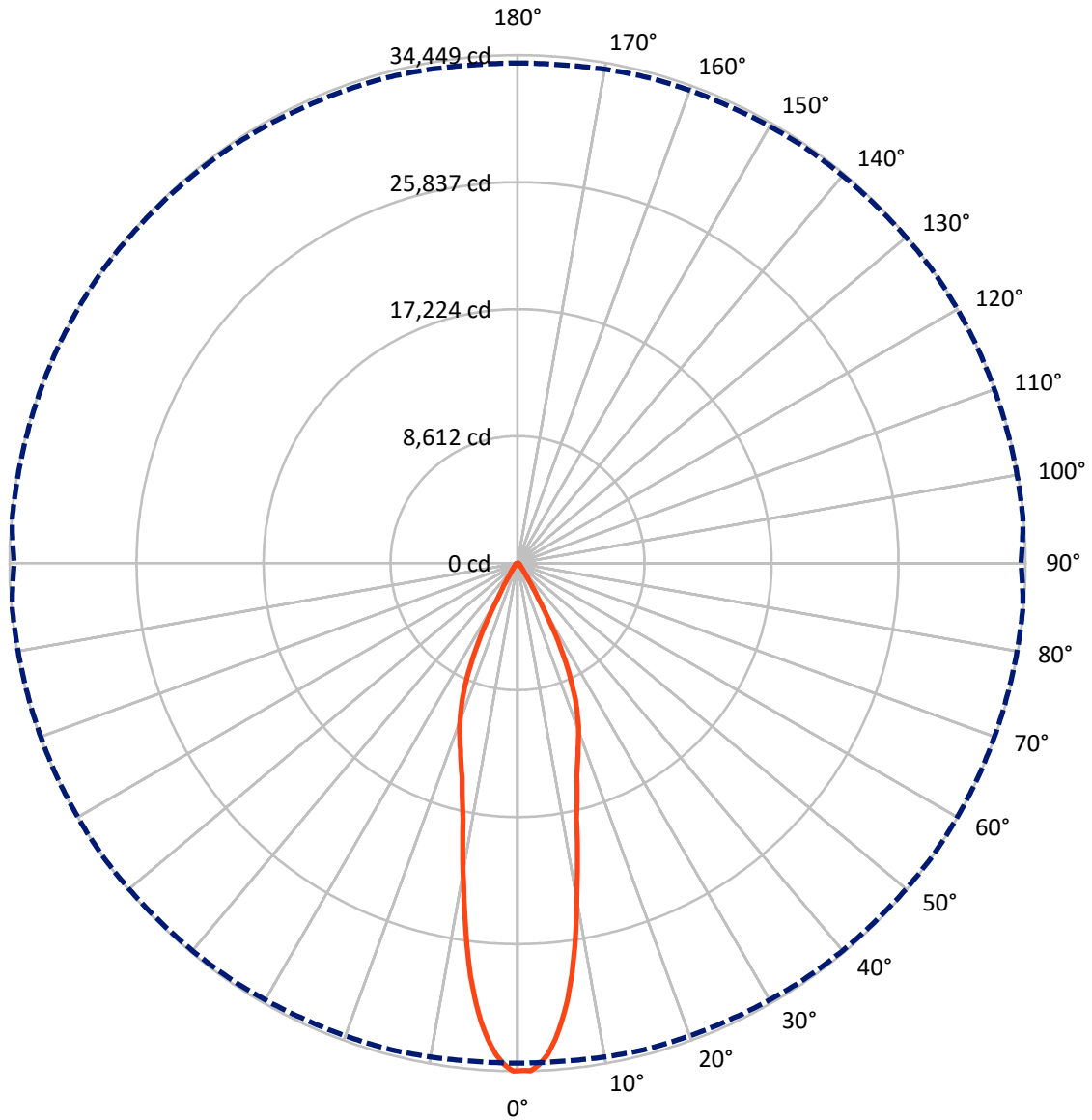
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 86 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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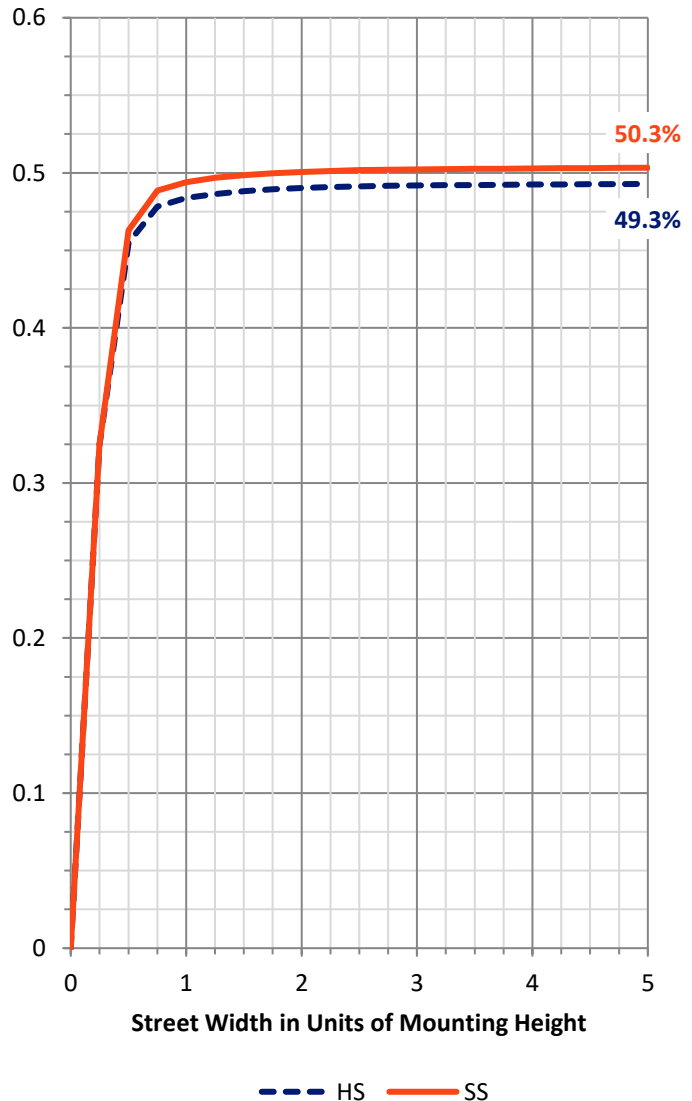
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5732.0	0.0	5732.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5732.0	0.0	5732.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11464.1	0.0	11464.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2618.1	22.8
10°-20°	4276.0	37.3
20°-30°	3341.4	29.1
30°-40°	728.3	6.4
40°-50°	215.6	1.9
50°-60°	134.9	1.2
60°-70°	94.3	0.8
70°-80°	40.5	0.4
80°-90°	15.0	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°	11464.1	100.0
0°-180°	11464.1	100.0



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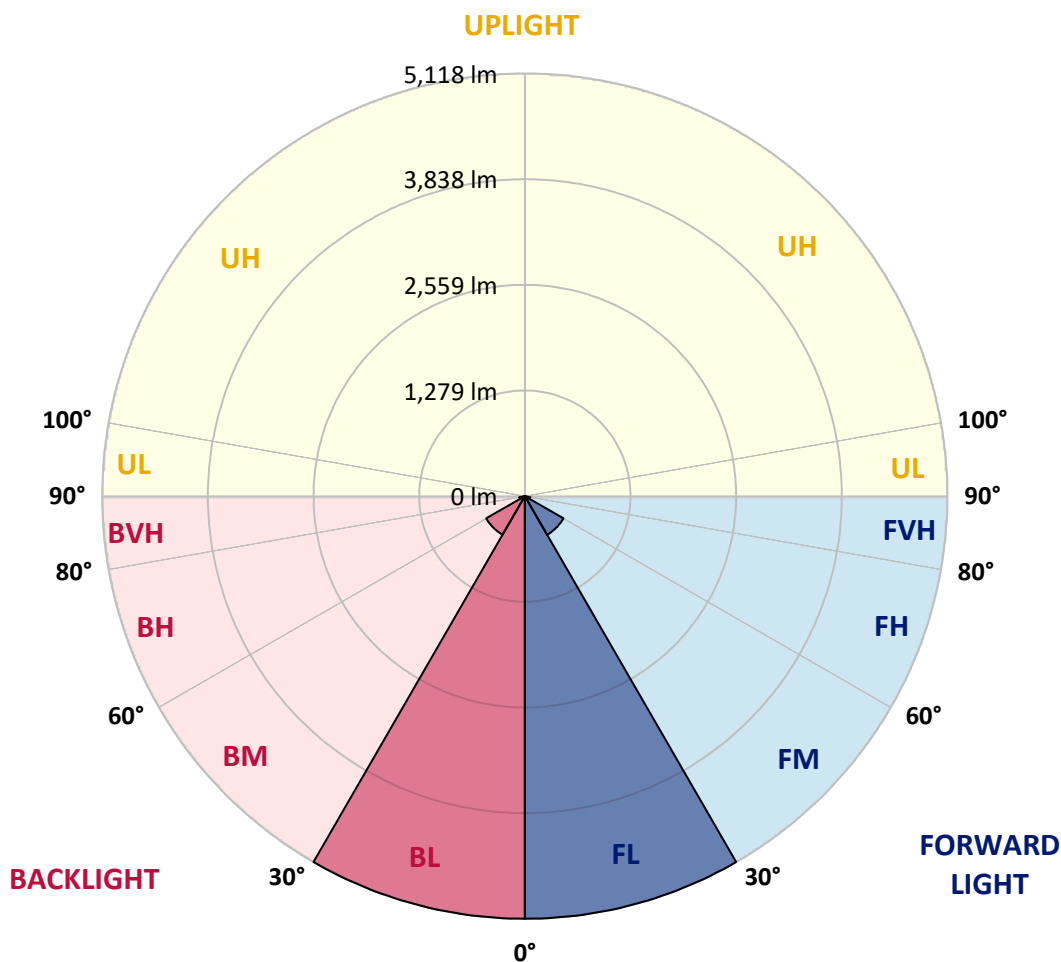
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5117.7	44.6			
FM (30°-60°)	539.4	4.7			
FH (60°-80°)	67.4	0.6			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	5117.7	44.6	B5		
BM (30°-60°)	539.4	4.7	B1/1000		
BH (60°-80°)	67.4	0.6	B0/110		G0/660
BVH (80°-90°)	7.5	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°	34409.4	34409.4	34409.4	34409.4	34409.4	34409.4	34409.4	34409.4	34409.4	34409.4
1°	33911.4	33915.5	34100.2	34141.7	34268.3	34332.6	34448.9	34436.4	34401.1	34405.3
2°	33286.7	33259.7	33431.9	33622.9	33774.4	33898.9	34037.9	34067.0	34033.8	34064.9
3°	32259.4	32219.9	32460.7	32699.3	32962.9	33176.7	33386.3	33394.6	33355.2	33353.1
4°	30908.3	30835.7	31122.1	31547.5	31879.6	32163.9	32425.4	32421.2	32367.3	32410.9
5°	29275.0	29183.7	29555.2	30115.5	30607.4	30949.8	31238.3	31169.8	31045.3	31051.5
6°	27270.2	27359.4	27813.9	28600.5	29181.6	29465.9	29820.8	29692.1	29476.3	29453.5
7°	25385.8	25587.1	25950.3	26898.7	27589.8	27888.7	28189.6	27930.2	27637.5	27589.8
8°	23401.7	23737.9	24240.2	25113.9	25850.7	26151.6	26265.7	25987.6	25674.3	25661.8
9°	21793.3	22023.7	22455.4	23225.3	23974.5	24175.8	24200.8	23957.9	23644.6	23665.3
10°	20330.2	20373.8	20747.4	21409.4	22009.2	22152.4	22146.1	21969.7	21712.4	21780.9
12.5°	17055.3	17173.6	17281.5	17493.2	17694.5	17787.9	17752.6	17680.0	17538.9	17545.1
15°	14832.6	14830.5	14843.0	14940.5	15000.7	15011.1	15011.1	14919.7	14859.6	14948.8
17.5°	12871.4	12979.3	13172.3	13251.2	13330.0	13301.0	13247.0	13205.5	13166.1	13242.9
20°	11346.0	11393.7	11395.8	11447.7	11846.1	11866.9	11798.4	11680.1	11580.5	11561.8
22.5°	9629.7	9702.3	9733.4	9779.1	9820.6	10123.6	10042.7	9851.7	9733.4	9698.1
25°	7228.5	7203.6	7407.0	7780.5	7840.7	7878.1	7857.3	7757.7	7680.9	7695.4
27.5°	4995.4	5039.0	5030.7	5034.8	5431.2	5429.1	5422.9	5335.7	5312.9	5279.7
30°	2793.4	2772.7	2783.1	2756.1	2700.0	2768.5	2658.5	2751.9	2660.6	2689.7
32.5°	1652.0	1637.5	1622.9	1629.2	1587.6	1486.0	1442.4	1506.7	1486.0	1477.7
35°	1054.3	1060.5	1079.2	1077.1	1039.8	981.6	919.4	977.5	969.2	944.3
37.5°	672.4	672.4	678.6	732.6	701.5	651.7	608.1	633.0	630.9	626.8
40°	477.3	477.3	485.6	500.2	483.6	458.7	433.7	433.7	437.9	425.4
42.5°	354.9	354.9	363.2	371.5	350.7	342.4	330.0	321.7	332.1	321.7
45°	278.1	276.0	278.1	273.9	261.5	261.5	251.1	238.7	251.1	244.9
47.5°	228.3	226.2	224.1	215.8	203.4	205.5	201.3	190.9	197.2	195.1
50°	199.2	195.1	197.2	188.9	178.5	176.4	176.4	166.0	168.1	168.1
52.5°	174.3	174.3	172.3	168.1	164.0	155.7	157.7	147.4	147.4	147.4
55°	164.0	164.0	159.8	151.5	153.6	147.4	141.1	134.9	132.8	132.8
57.5°	161.9	161.9	159.8	151.5	145.3	143.2	134.9	126.6	120.4	122.4
60°	157.7	157.7	153.6	151.5	141.1	137.0	124.5	118.3	110.0	110.0
62.5°	151.5	149.4	141.1	128.7	128.7	118.3	110.0	97.5	91.3	89.2
65°	128.7	126.6	120.4	110.0	103.8	97.5	85.1	72.6	68.5	62.3
67.5°	105.8	105.8	101.7	91.3	87.2	78.9	64.3	56.0	45.7	41.5
70°	87.2	87.2	83.0	76.8	72.6	62.3	49.8	41.5	31.1	27.0
72.5°	70.6	70.6	66.4	62.3	58.1	51.9	41.5	31.1	20.8	16.6
75°	56.0	56.0	54.0	49.8	45.7	41.5	33.2	24.9	14.5	8.3
77.5°	45.7	45.7	43.6	41.5	37.4	33.2	27.0	20.8	10.4	4.2
80°	35.3	35.3	35.3	35.3	31.1	27.0	22.8	16.6	8.3	2.1
82.5°	24.9	24.9	27.0	31.1	24.9	20.8	20.8	16.6	6.2	2.1
85°	16.6	18.7	20.8	18.7	16.6	16.6	29.1	27.0	6.2	2.1
87.5°	8.3	8.3	8.3	8.3	8.3	6.2	8.3	6.2	4.2	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°
34409.4
34150.0
33820.0
33172.5
32205.4
30748.5
29150.5
27363.6
25207.3
23356.1
21540.1
17339.6
14741.3
13066.5
11441.4
9571.6
7645.6
5159.3
2724.9
1456.9
917.3
618.5
421.3
319.6
244.9
195.1
170.2
147.4
130.7
122.4
103.8
85.1
60.2
39.4
24.9
14.5
6.2
4.2
2.1
2.1
2.1
0.0
0.0

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