

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: P636056

Luminaire Tested: **IFLD-M-SA4A-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636056
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-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11651.9 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

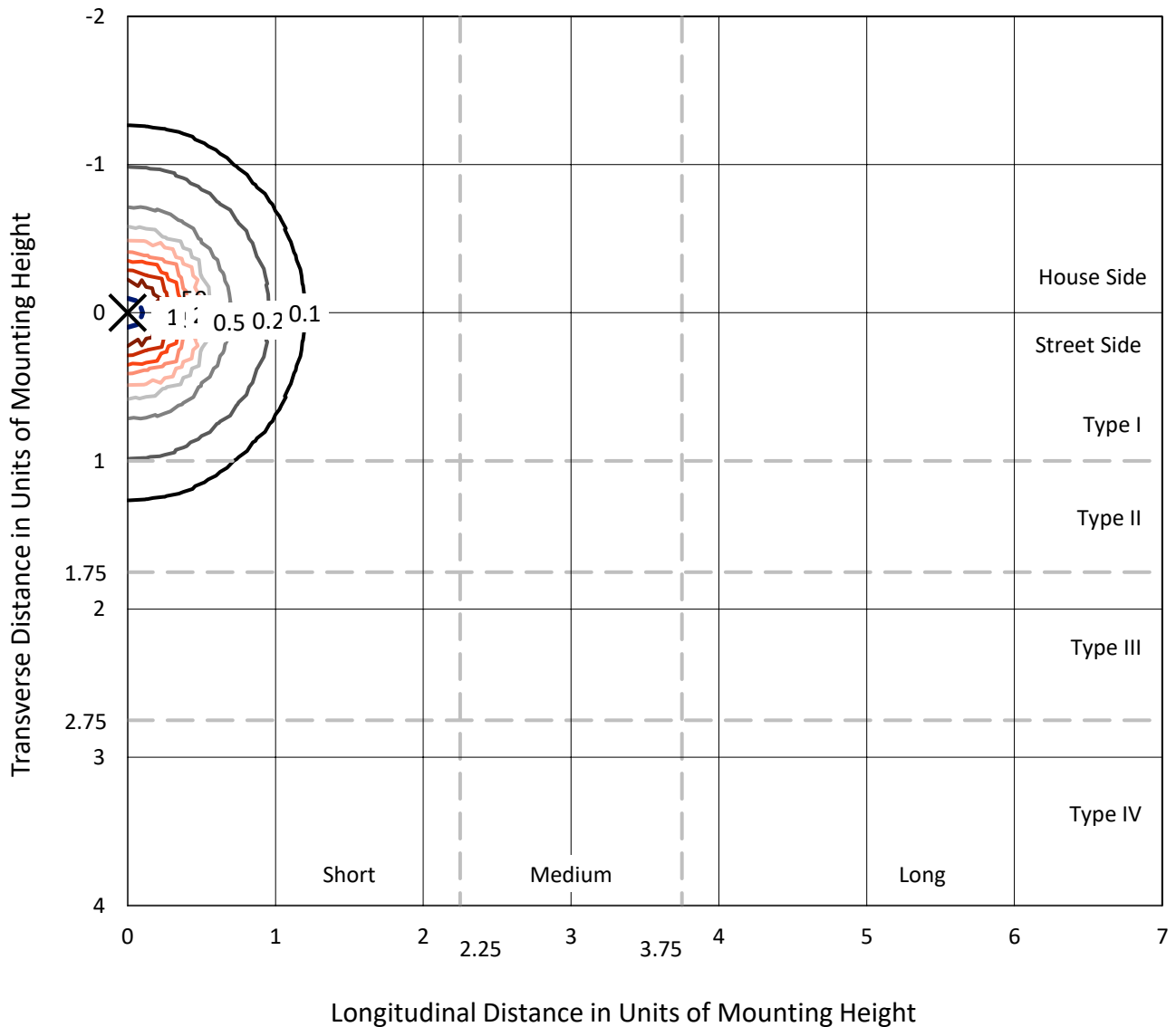
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

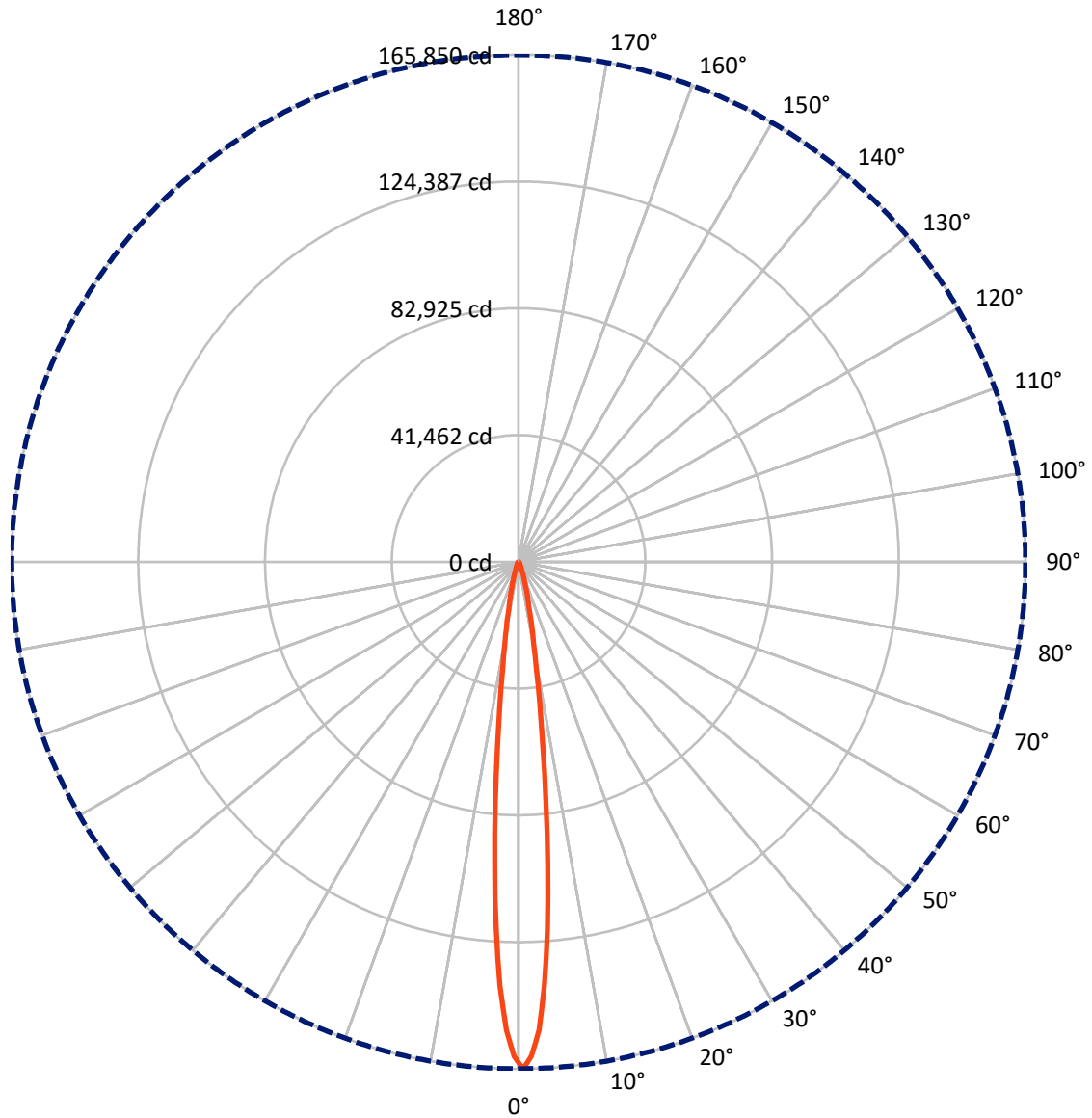
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 414.6 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	5826.0	0.0	5826.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5826.0	0.0	5826.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11651.9	0.0	11651.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7102.8	61.0
10°-20°	3182.1	27.3
20°-30°	710.6	6.1
30°-40°	231.9	2.0
40°-50°	160.0	1.4
50°-60°	120.9	1.0
60°-70°	82.7	0.7
70°-80°	43.6	0.4
80°-90°	17.4	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°	11651.9	100.0
0°-180°	11651.9	100.0

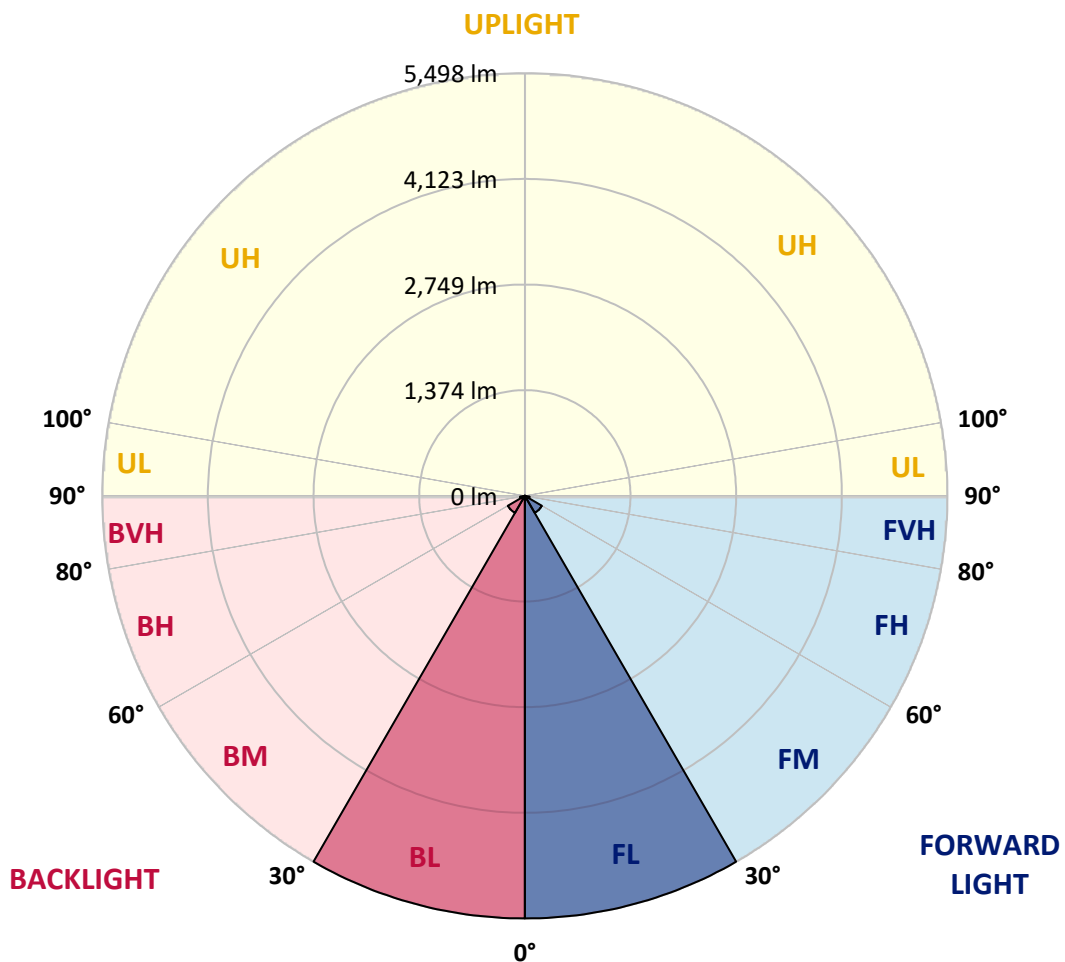


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5497.7	47.2			
FM (30°-60°)	256.4	2.2			
FH (60°-80°)	63.1	0.5			G0/660
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	5497.7	47.2	B5		
BM (30°-60°)	256.4	2.2	B1/1000		
BH (60°-80°)	63.1	0.5	B0/110		G0/660
BVH (80°-90°)	8.7	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°	165849.6	165849.6	165849.6	165849.6	165849.6	165849.6	165849.6	165849.6	165849.6	165849.6
1°	161731.9	161951.9	161707.0	162944.0	163454.5	163720.2	163751.3	164448.6	163911.1	164060.5
2°	153208.1	153697.9	152878.1	153670.9	155256.6	155856.4	154878.8	156086.7	155655.1	155906.2
3°	138885.6	139485.4	138352.2	139321.4	141361.6	141818.2	140215.9	141932.3	141888.7	142249.9
4°	120424.7	121398.0	119779.2	120926.9	121829.7	123419.5	121867.1	123820.1	123782.7	124409.5
5°	99469.1	100521.3	99114.2	100305.5	101160.5	101752.0	101183.4	103343.9	103480.9	104128.4
6°	78963.8	79945.5	78374.4	79511.7	80867.0	81109.8	80962.5	82822.0	83235.1	82730.7
7°	60770.6	61015.5	60768.5	61802.1	62889.6	62929.1	63120.0	64755.4	65118.6	64944.3
8°	46541.5	45420.8	46383.8	46931.7	47267.9	48812.0	48926.2	49750.1	50418.4	50466.1
9°	35427.6	34389.8	35504.4	35722.3	36494.3	37866.2	37693.9	38594.7	39013.9	38986.9
10°	27009.6	26482.5	27040.8	27281.5	27916.6	29078.8	29280.1	29693.2	30004.5	30207.9
12.5°	14656.7	14779.1	15102.9	15356.1	16211.2	16520.4	16644.9	16680.2	16678.1	16711.3
15°	9104.9	9204.5	9430.7	9889.4	10410.3	10794.3	10848.3	10649.0	10476.8	10449.8
17.5°	5678.4	5638.9	6170.2	6672.5	7299.3	7498.5	7291.0	7062.7	6828.2	6693.3
20°	3407.9	3434.8	3615.4	3839.5	4345.9	4690.5	4474.6	4242.2	3999.4	3839.5
22.5°	1936.4	1965.4	2044.3	2160.5	2353.5	2666.9	2529.9	2295.4	2123.2	2052.6
25°	1143.6	1143.6	1191.3	1243.2	1324.1	1396.8	1367.7	1243.2	1141.5	1112.4
27.5°	740.9	734.7	751.3	776.2	813.6	817.7	784.5	747.2	695.3	676.6
30°	541.7	543.8	541.7	552.1	550.0	535.5	514.7	516.8	496.0	494.0
32.5°	440.0	442.1	442.1	440.0	429.6	406.8	392.3	406.8	402.6	398.5
35°	365.3	367.4	388.1	386.0	369.4	344.5	334.1	350.7	363.2	344.5
37.5°	315.5	317.5	334.1	342.4	321.7	305.1	292.6	307.2	325.8	305.1
40°	278.1	280.2	284.3	286.4	276.0	267.7	261.5	265.7	274.0	263.6
42.5°	244.9	242.8	244.9	242.8	230.4	234.5	230.4	224.1	230.4	222.1
45°	213.8	213.8	213.8	207.5	195.1	203.4	199.2	193.0	195.1	188.9
47.5°	195.1	195.1	195.1	186.8	176.4	176.4	178.5	168.1	170.2	168.1
50°	176.4	176.4	180.6	172.3	164.0	157.7	159.8	151.5	153.6	151.5
52.5°	161.9	161.9	161.9	157.7	151.5	147.4	143.2	139.1	137.0	134.9
55°	155.7	155.7	153.6	141.1	139.1	134.9	126.6	124.5	120.4	118.3
57.5°	145.3	145.3	143.2	132.8	124.5	124.5	112.1	110.0	103.8	103.8
60°	128.7	128.7	126.6	124.5	114.1	107.9	99.6	95.5	89.2	87.2
62.5°	122.5	122.5	118.3	107.9	105.8	95.5	87.2	78.9	74.7	70.6
65°	114.1	112.1	110.0	99.6	91.3	85.1	74.7	64.3	60.2	51.9
67.5°	101.7	101.7	99.6	91.3	83.0	72.6	62.3	54.0	43.6	37.4
70°	89.2	87.2	87.2	78.9	72.6	64.3	49.8	41.5	31.1	24.9
72.5°	74.7	74.7	72.6	66.4	62.3	56.0	43.6	33.2	20.8	16.6
75°	60.2	60.2	58.1	54.0	51.9	45.7	37.4	29.1	16.6	8.3
77.5°	49.8	47.7	47.7	43.6	41.5	37.4	31.1	22.8	12.5	6.2
80°	37.4	37.4	39.4	37.4	33.2	31.1	27.0	20.8	10.4	4.2
82.5°	27.0	27.0	29.1	29.1	29.1	27.0	27.0	20.8	10.4	2.1
85°	18.7	18.7	22.8	20.8	20.8	22.8	33.2	27.0	8.3	2.1
87.5°	10.4	10.4	10.4	8.3	8.3	10.4	12.5	10.4	4.2	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
165849.6
162962.6
155009.6
141280.6
123309.5
102891.4
82782.6
64705.6
49864.2
39622.0
30328.2
16738.3
10366.8
6672.5
3874.8
2060.9
1108.3
676.6
491.9
390.2
340.4
303.0
259.4
222.1
188.9
168.1
151.5
134.9
116.2
103.8
83.0
68.5
49.8
37.4
24.9
14.5
8.3
4.2
2.1
2.1
2.1
2.1
0.0

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