

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: P636317

Luminaire Tested: **IFLD-M-SA4A-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636317
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11049.6 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

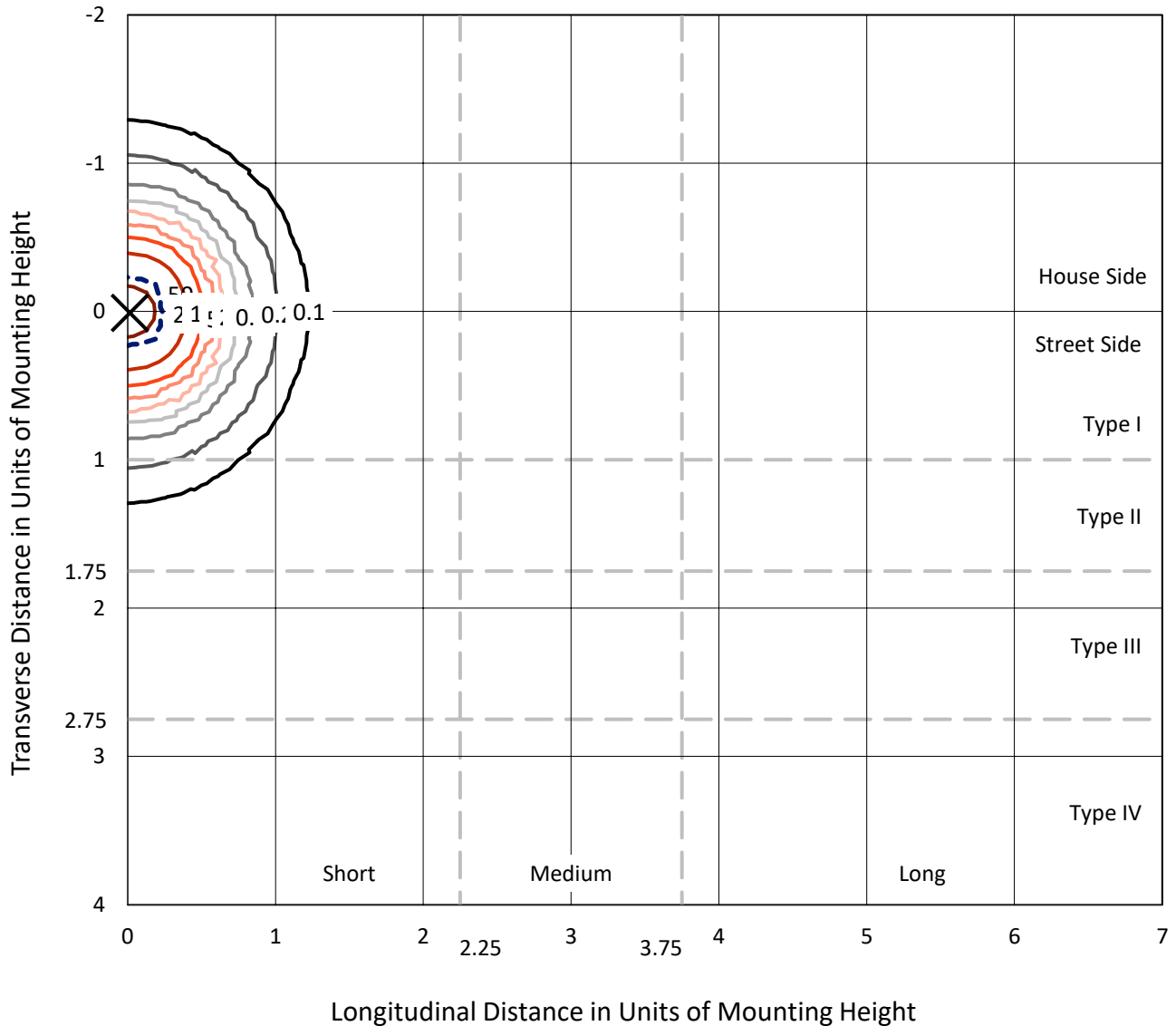
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

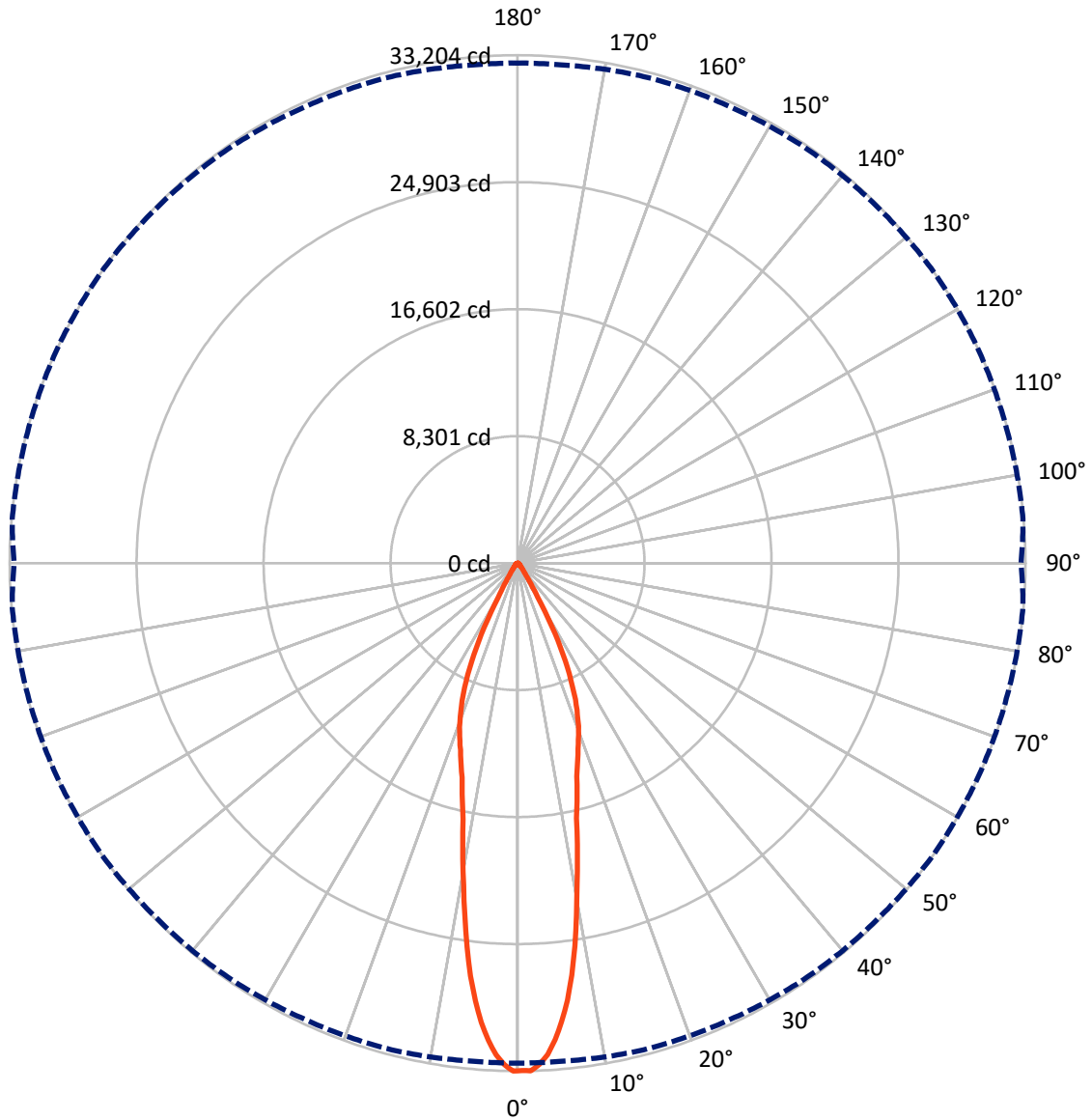
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 82.9 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	5524.8	0.0	5524.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5524.8	0.0	5524.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11049.6	0.0	11049.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2523.4	22.8
10°-20°	4121.4	37.3
20°-30°	3220.6	29.1
30°-40°	702.0	6.4
40°-50°	207.8	1.9
50°-60°	130.0	1.2
60°-70°	90.9	0.8
70°-80°	39.0	0.4
80°-90°	14.4	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°	11049.6	100.0
0°-180°	11049.6	100.0



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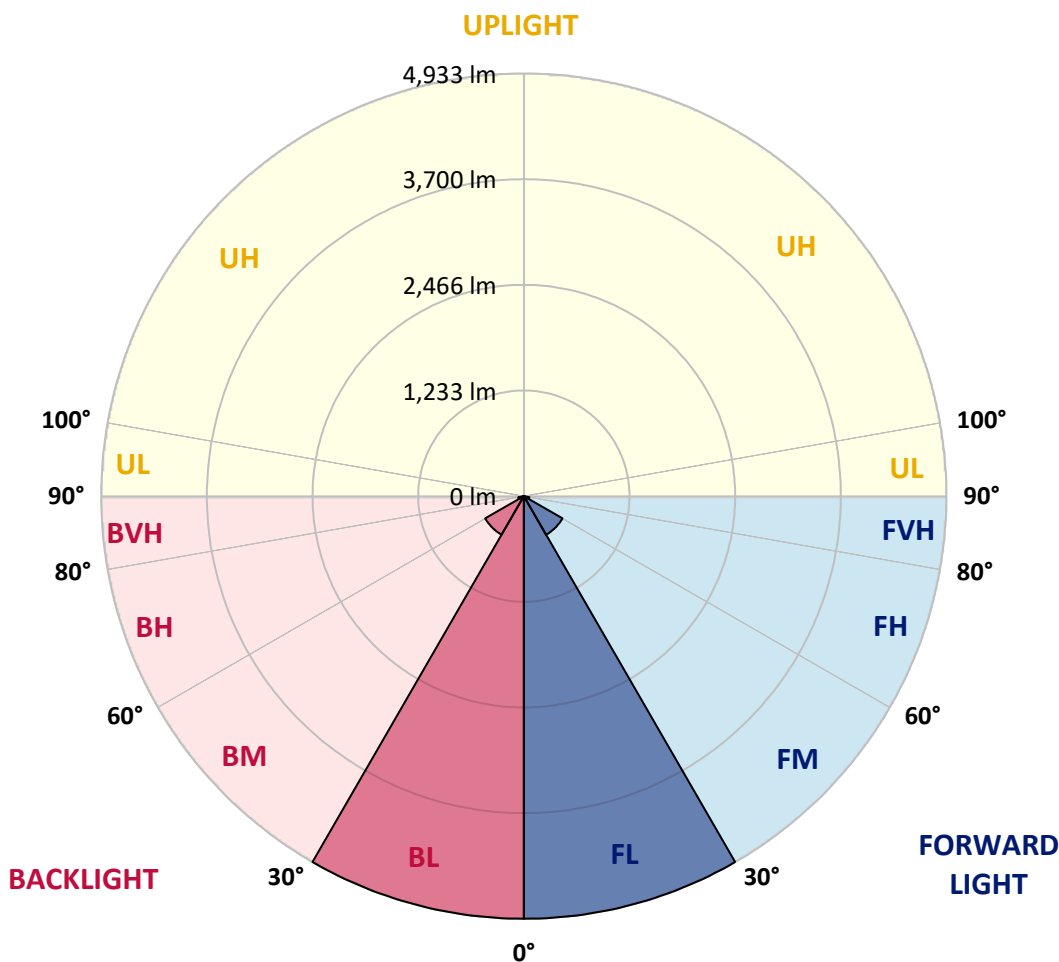
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4932.8	44.6			
FM (30°-60°)	519.9	4.7			
FH (60°-80°)	65.0	0.6			G0/660
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	4932.8	44.6	B4/5000		
BM (30°-60°)	519.9	4.7	B1/1000		
BH (60°-80°)	65.0	0.6	B0/110		G0/660
BVH (80°-90°)	7.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	33165.7	33165.7	33165.7	33165.7	33165.7	33165.7	33165.7	33165.7	33165.7	33165.7
1°	32685.6	32689.6	32867.7	32907.7	33029.7	33091.7	33203.7	33191.7	33157.7	33161.7
2°	32083.5	32057.5	32223.6	32407.6	32553.6	32673.6	32807.7	32835.7	32803.7	32833.7
3°	31093.4	31055.4	31287.4	31517.4	31771.5	31977.5	32179.6	32187.6	32149.5	32147.5
4°	29791.1	29721.1	29997.2	30407.2	30727.3	31001.3	31253.4	31249.4	31197.4	31239.4
5°	28216.9	28128.9	28486.9	29027.0	29501.1	29831.1	30109.2	30043.2	29923.2	29929.2
6°	26284.5	26370.6	26808.6	27566.8	28126.9	28400.9	28743.0	28618.9	28410.9	28388.9
7°	24468.2	24662.3	25012.3	25926.5	26592.6	26880.6	27170.7	26920.6	26638.6	26592.6
8°	22555.9	22879.9	23364.0	24206.2	24916.3	25206.3	25316.4	25048.3	24746.3	24734.3
9°	21005.6	21227.7	21643.7	22385.9	23108.0	23302.0	23326.0	23092.0	22789.9	22809.9
10°	19595.4	19637.4	19997.5	20635.6	21213.7	21351.7	21345.7	21175.7	20927.6	20993.6
12.5°	16438.8	16552.9	16656.9	16860.9	17054.9	17145.0	17111.0	17040.9	16904.9	16910.9
15°	14296.5	14294.5	14306.5	14400.5	14458.5	14468.5	14468.5	14380.5	14322.5	14408.5
17.5°	12406.1	12510.2	12696.2	12772.2	12848.2	12820.2	12768.2	12728.2	12690.2	12764.2
20°	10935.9	10981.9	10983.9	11033.9	11418.0	11438.0	11372.0	11257.9	11161.9	11143.9
22.5°	9281.6	9351.6	9381.6	9425.6	9465.6	9757.7	9679.7	9495.6	9381.6	9347.6
25°	6967.2	6943.2	7139.2	7499.3	7557.3	7593.3	7573.3	7477.3	7403.3	7417.3
27.5°	4814.8	4856.8	4848.8	4852.8	5234.9	5232.9	5226.9	5142.9	5120.9	5088.9
30°	2692.5	2672.5	2682.5	2656.5	2602.4	2668.5	2562.4	2652.5	2564.4	2592.4
32.5°	1592.3	1578.3	1564.3	1570.3	1530.3	1432.2	1390.2	1452.3	1432.2	1424.2
35°	1016.2	1022.2	1040.2	1038.2	1002.2	946.2	886.2	942.2	934.2	910.2
37.5°	648.1	648.1	654.1	706.1	676.1	628.1	586.1	610.1	608.1	604.1
40°	460.1	460.1	468.1	482.1	466.1	442.1	418.1	418.1	422.1	410.1
42.5°	342.1	342.1	350.1	358.1	338.1	330.1	318.1	310.1	320.1	310.1
45°	268.0	266.0	268.0	264.0	252.0	252.0	242.0	230.0	242.0	236.0
47.5°	220.0	218.0	216.0	208.0	196.0	198.0	194.0	184.0	190.0	188.0
50°	192.0	188.0	190.0	182.0	172.0	170.0	170.0	160.0	162.0	162.0
52.5°	168.0	168.0	166.0	162.0	158.0	150.0	152.0	142.0	142.0	142.0
55°	158.0	158.0	154.0	146.0	148.0	142.0	136.0	130.0	128.0	128.0
57.5°	156.0	156.0	154.0	146.0	140.0	138.0	130.0	122.0	116.0	118.0
60°	152.0	152.0	148.0	146.0	136.0	132.0	120.0	114.0	106.0	106.0
62.5°	146.0	144.0	136.0	124.0	124.0	114.0	106.0	94.0	88.0	86.0
65°	124.0	122.0	116.0	106.0	100.0	94.0	82.0	70.0	66.0	60.0
67.5°	102.0	102.0	98.0	88.0	84.0	76.0	62.0	54.0	44.0	40.0
70°	84.0	84.0	80.0	74.0	70.0	60.0	48.0	40.0	30.0	26.0
72.5°	68.0	68.0	64.0	60.0	56.0	50.0	40.0	30.0	20.0	16.0
75°	54.0	54.0	52.0	48.0	44.0	40.0	32.0	24.0	14.0	8.0
77.5°	44.0	44.0	42.0	40.0	36.0	32.0	26.0	20.0	10.0	4.0
80°	34.0	34.0	34.0	34.0	30.0	26.0	22.0	16.0	8.0	2.0
82.5°	24.0	24.0	26.0	30.0	24.0	20.0	20.0	16.0	6.0	2.0
85°	16.0	18.0	20.0	18.0	16.0	16.0	28.0	26.0	6.0	2.0
87.5°	8.0	8.0	8.0	8.0	8.0	6.0	8.0	6.0	4.0	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°
33165.7
32915.7
32597.6
31973.5
31041.4
29637.1
28096.8
26374.6
24296.2
22511.9
20761.6
16712.9
14208.5
12594.2
11027.9
9225.6
7369.3
4972.9
2626.5
1404.2
884.2
596.1
406.1
308.1
236.0
188.0
164.0
142.0
126.0
118.0
100.0
82.0
58.0
38.0
24.0
14.0
6.0
4.0
2.0
2.0
2.0
0.0
0.0

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