

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: P636086

Luminaire Tested: **IFLD-M-SA4B-940-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636086
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-940-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15682.2 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

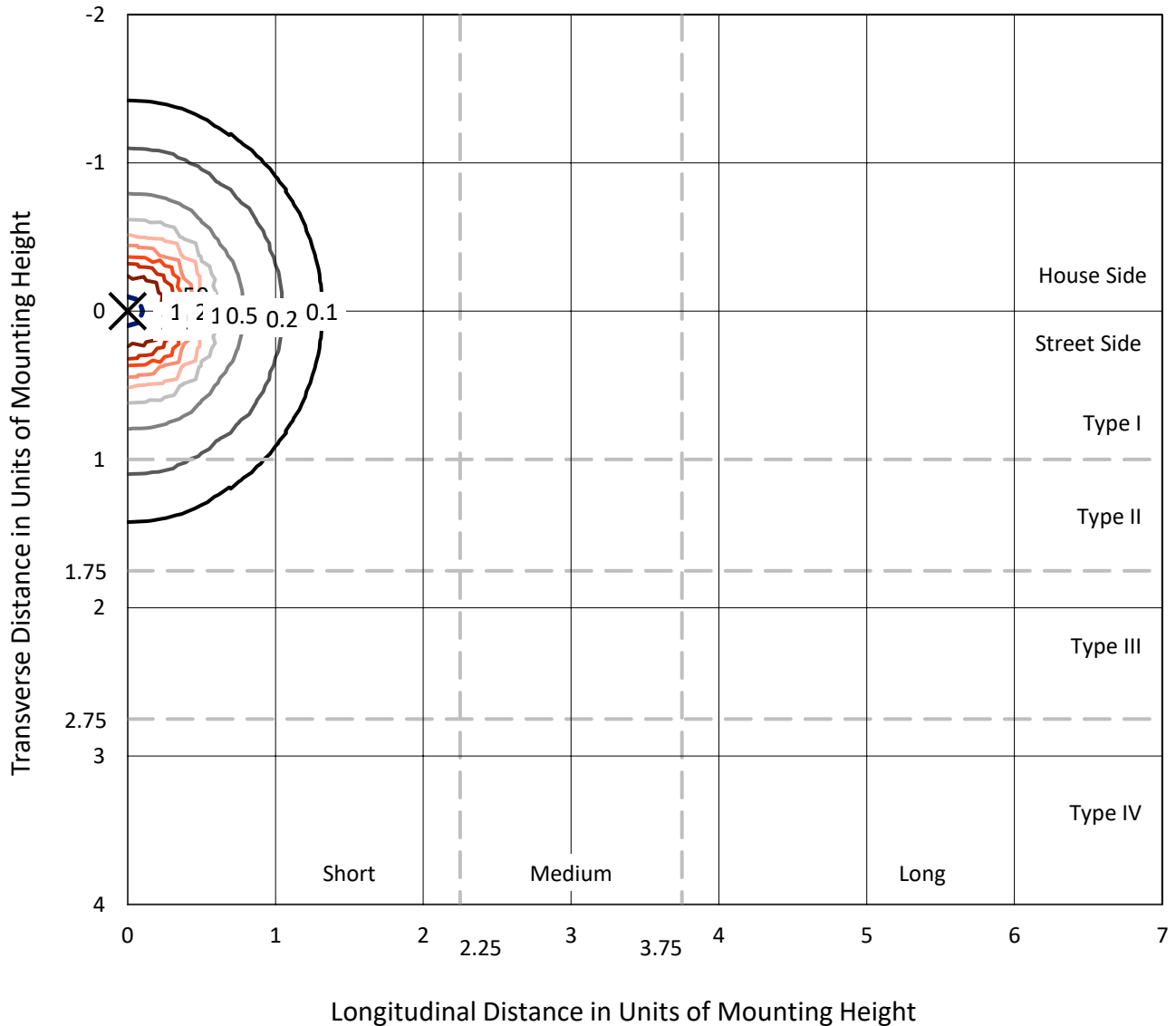
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

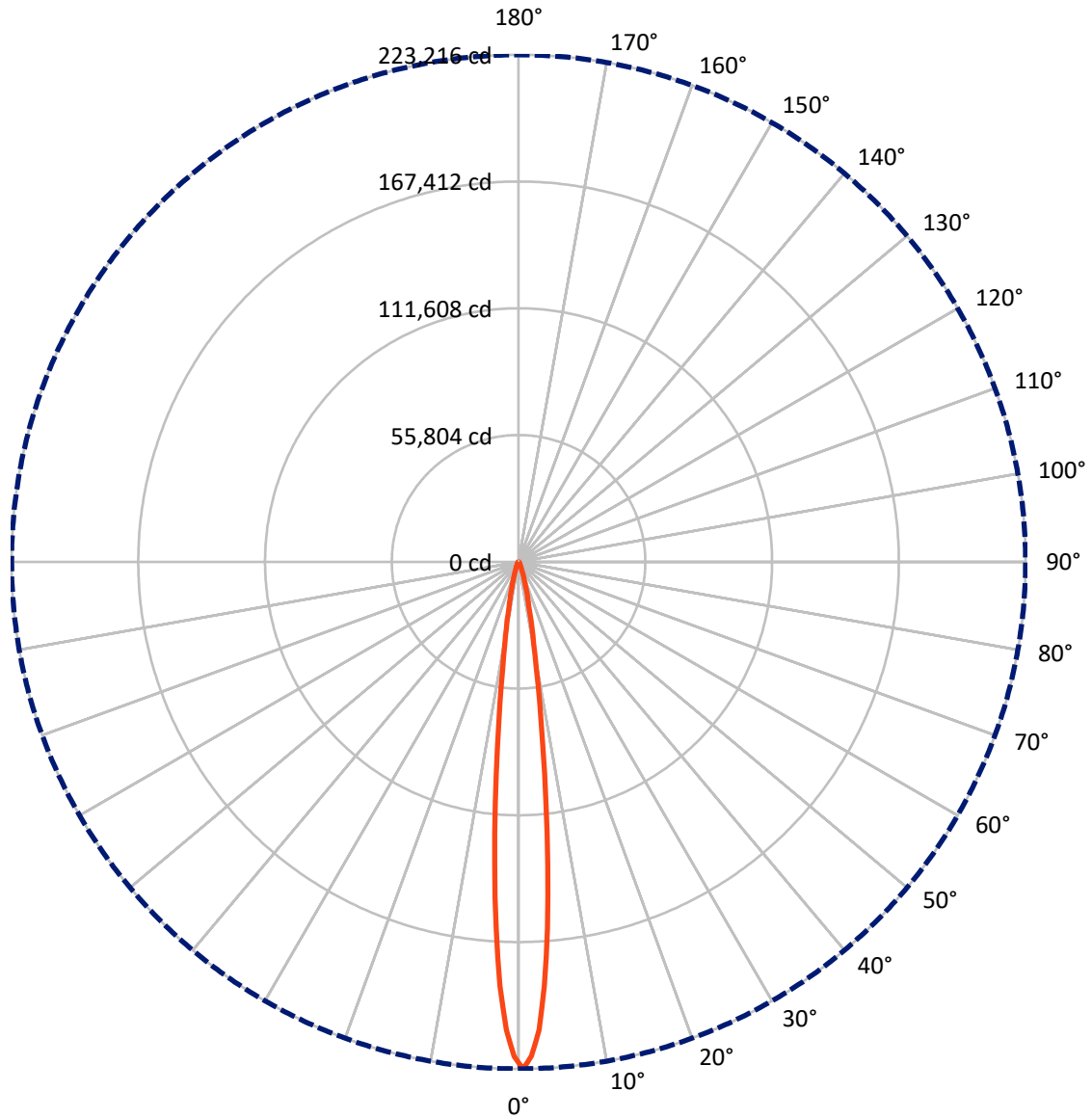
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 558 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	7841.1	0.0	7841.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7841.1	0.0	7841.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15682.2	0.0	15682.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9559.6	61.0
10°-20°	4282.8	27.3
20°-30°	956.4	6.1
30°-40°	312.2	2.0
40°-50°	215.3	1.4
50°-60°	162.7	1.0
60°-70°	111.3	0.7
70°-80°	58.6	0.4
80°-90°	23.4	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°	15682.2	100.0
0°-180°	15682.2	100.0

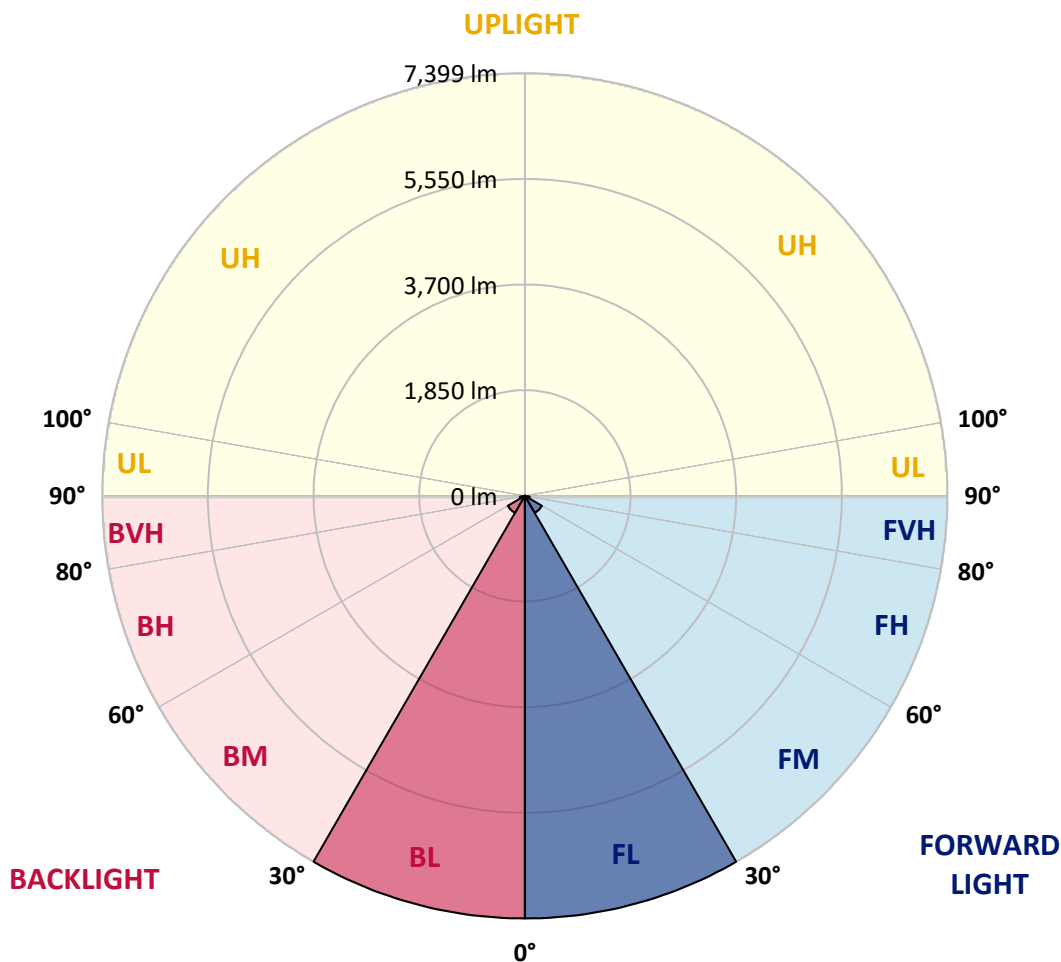


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7399.4	47.2			
FM (30°-60°)	345.1	2.2			
FH (60°-80°)	85.0	0.5			G0/660
FVH (80°-90°)	11.7	0.1			G1/100
BL (0°-30°)	7399.4	47.2	B5		
BM (30°-60°)	345.1	2.2	B1/1000		
BH (60°-80°)	85.0	0.5	B0/110		G0/660
BVH (80°-90°)	11.7	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°	223215.7	223215.7	223215.7	223215.7	223215.7	223215.7	223215.7	223215.7	223215.7	223215.7
1°	217673.8	217969.9	217640.3	219305.1	219992.2	220349.8	220391.7	221330.2	220606.8	220807.9
2°	206201.7	206860.9	205757.6	206824.6	208958.7	209766.0	208450.3	210076.0	209495.0	209833.0
3°	186925.1	187732.4	186207.2	187511.7	190257.5	190872.0	188715.6	191025.7	190967.0	191453.1
4°	162078.7	163388.7	161210.0	162754.7	163969.7	166109.4	164020.0	166648.5	166598.2	167441.8
5°	133874.7	135290.9	133397.0	135000.4	136151.2	136947.3	136182.0	139089.8	139274.1	140145.6
6°	106276.8	107598.1	105483.5	107014.3	108838.3	109165.1	108966.8	111469.6	112025.5	111346.7
7°	81790.7	82120.3	81787.9	83179.0	84642.7	84695.8	84952.8	87153.9	87642.7	87408.1
8°	62639.8	61131.5	62427.6	63165.0	63617.5	65695.7	65849.3	66958.3	67857.7	67922.0
9°	47681.7	46285.0	47785.1	48078.3	49117.5	50963.8	50732.0	51944.3	52508.5	52472.2
10°	36352.1	35642.6	36394.0	36718.0	37572.7	39137.0	39407.9	39963.8	40382.8	40656.5
12.5°	19726.3	19891.1	20326.9	20667.7	21818.5	22234.7	22402.3	22449.8	22447.0	22491.7
15°	12254.2	12388.3	12692.8	13310.1	14011.2	14528.0	14600.6	14332.4	14100.6	14064.3
17.5°	7642.5	7589.4	8304.5	8980.5	9824.1	10092.2	9812.9	9505.6	9190.0	9008.4
20°	4586.6	4622.9	4865.9	5167.6	5849.2	6312.9	6022.4	5709.5	5382.7	5167.6
22.5°	2606.2	2645.3	2751.4	2907.8	3167.6	3589.4	3405.0	3089.4	2857.5	2762.6
25°	1539.1	1539.1	1603.4	1673.2	1782.1	1879.9	1840.8	1673.2	1536.3	1497.2
27.5°	997.2	988.8	1011.2	1044.7	1095.0	1100.6	1055.9	1005.6	935.8	910.6
30°	729.1	731.8	729.1	743.0	740.2	720.7	692.7	695.5	667.6	664.8
32.5°	592.2	595.0	595.0	592.2	578.2	547.5	527.9	547.5	541.9	536.3
35°	491.6	494.4	522.3	519.6	497.2	463.7	449.7	472.1	488.8	463.7
37.5°	424.6	427.4	449.7	460.9	433.0	410.6	393.9	413.4	438.5	410.6
40°	374.3	377.1	382.7	385.5	371.5	360.3	352.0	357.5	368.7	354.7
42.5°	329.6	326.8	329.6	326.8	310.1	315.6	310.1	301.7	310.1	298.9
45°	287.7	287.7	287.7	279.3	262.6	273.7	268.2	259.8	262.6	254.2
47.5°	262.6	262.6	262.6	251.4	237.4	237.4	240.2	226.3	229.1	226.3
50°	237.4	237.4	243.0	231.8	220.7	212.3	215.1	203.9	206.7	203.9
52.5°	217.9	217.9	217.9	212.3	203.9	198.3	192.7	187.2	184.4	181.6
55°	209.5	209.5	206.7	189.9	187.2	181.6	170.4	167.6	162.0	159.2
57.5°	195.5	195.5	192.7	178.8	167.6	167.6	150.8	148.0	139.7	139.7
60°	173.2	173.2	170.4	167.6	153.6	145.3	134.1	128.5	120.1	117.3
62.5°	164.8	164.8	159.2	145.3	142.5	128.5	117.3	106.1	100.6	95.0
65°	153.6	150.8	148.0	134.1	122.9	114.5	100.6	86.6	81.0	69.8
67.5°	136.9	136.9	134.1	122.9	111.7	97.8	83.8	72.6	58.7	50.3
70°	120.1	117.3	117.3	106.1	97.8	86.6	67.0	55.9	41.9	33.5
72.5°	100.6	100.6	97.8	89.4	83.8	75.4	58.7	44.7	27.9	22.3
75°	81.0	81.0	78.2	72.6	69.8	61.5	50.3	39.1	22.3	11.2
77.5°	67.0	64.2	64.2	58.7	55.9	50.3	41.9	30.7	16.8	8.4
80°	50.3	50.3	53.1	50.3	44.7	41.9	36.3	27.9	14.0	5.6
82.5°	36.3	36.3	39.1	39.1	39.1	36.3	36.3	27.9	14.0	2.8
85°	25.1	25.1	30.7	27.9	27.9	30.7	44.7	36.3	11.2	2.8
87.5°	14.0	14.0	14.0	11.2	11.2	14.0	16.8	14.0	5.6	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
223215.7
219330.2
208626.3
190148.6
165961.4
138480.8
111416.5
87086.8
67111.9
53327.0
40818.6
22528.0
13952.6
8980.5
5215.1
2773.8
1491.6
910.6
662.0
525.1
458.1
407.8
349.2
298.9
254.2
226.3
203.9
181.6
156.4
139.7
111.7
92.2
67.0
50.3
33.5
19.6
11.2
5.6
2.8
2.8
2.8
2.8
0.0

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