

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: P636029

Luminaire Tested: **IFLD-M-SA4C-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636029
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17290.4 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

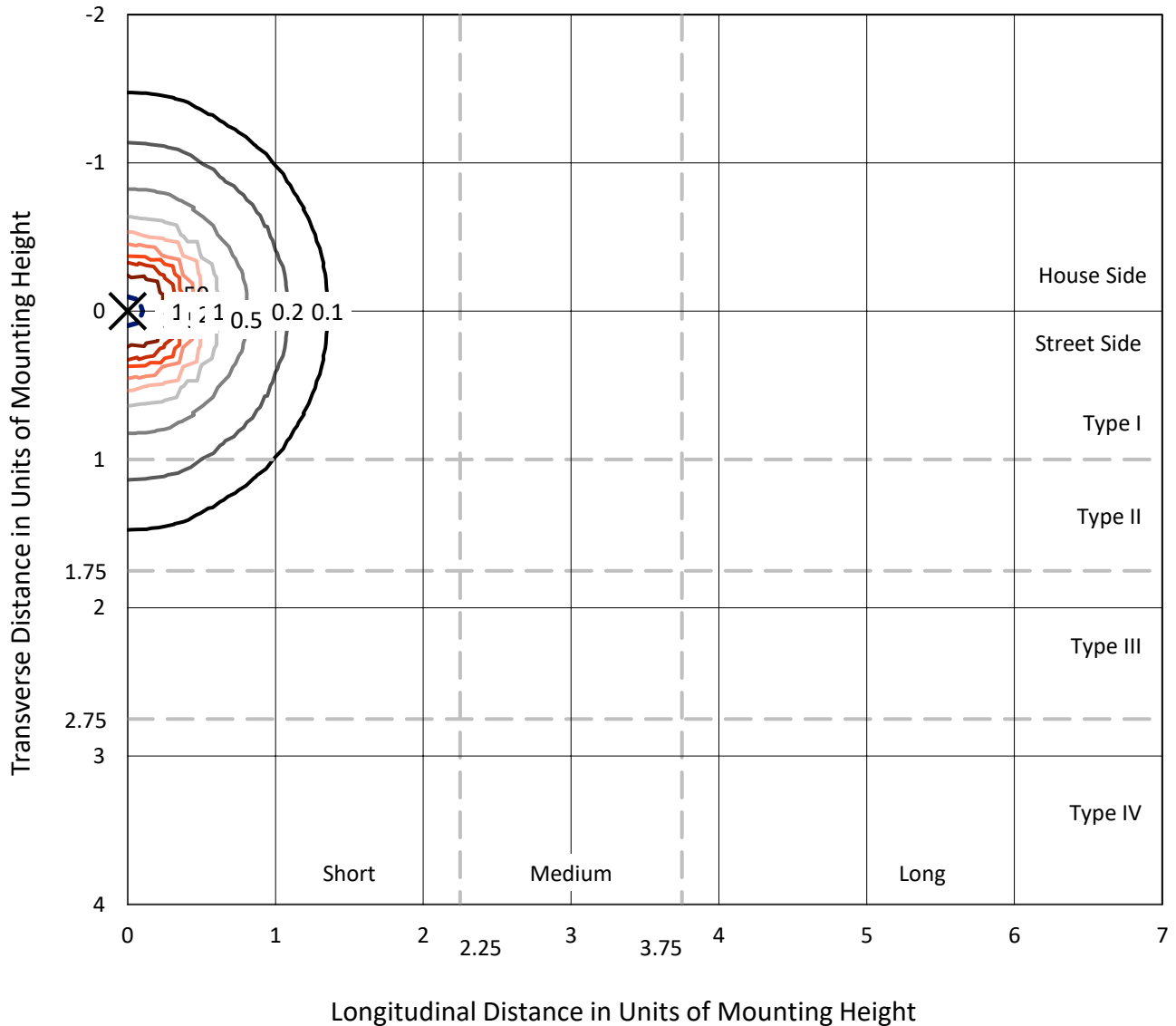
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

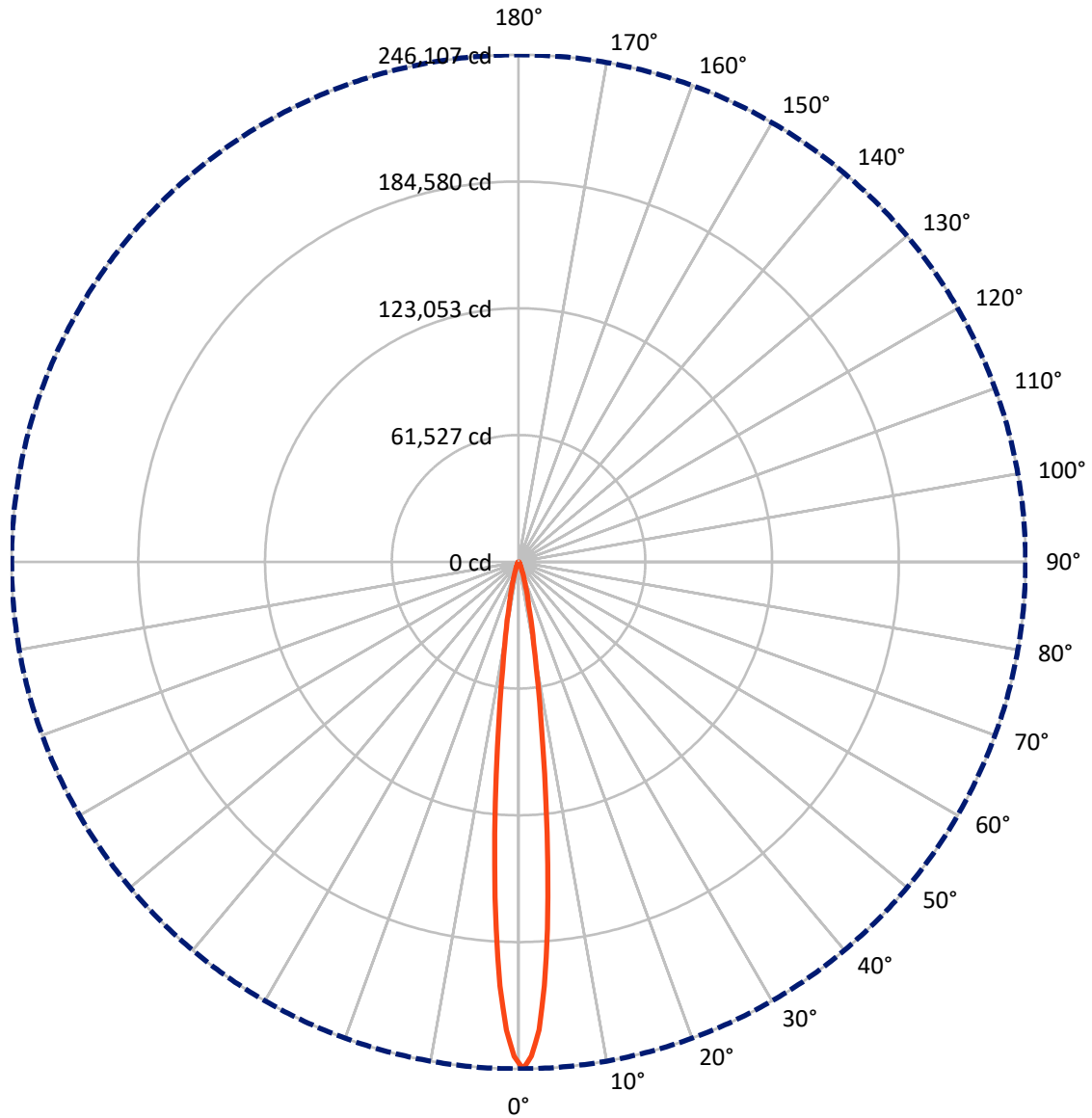
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 615.3 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	8645.2	0.0	8645.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8645.2	0.0	8645.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17290.4	0.0	17290.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10539.9	61.0
10°-20°	4722.0	27.3
20°-30°	1054.5	6.1
30°-40°	344.2	2.0
40°-50°	237.4	1.4
50°-60°	179.3	1.0
60°-70°	122.7	0.7
70°-80°	64.6	0.4
80°-90°	25.8	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°	17290.4	100.0
0°-180°	17290.4	100.0

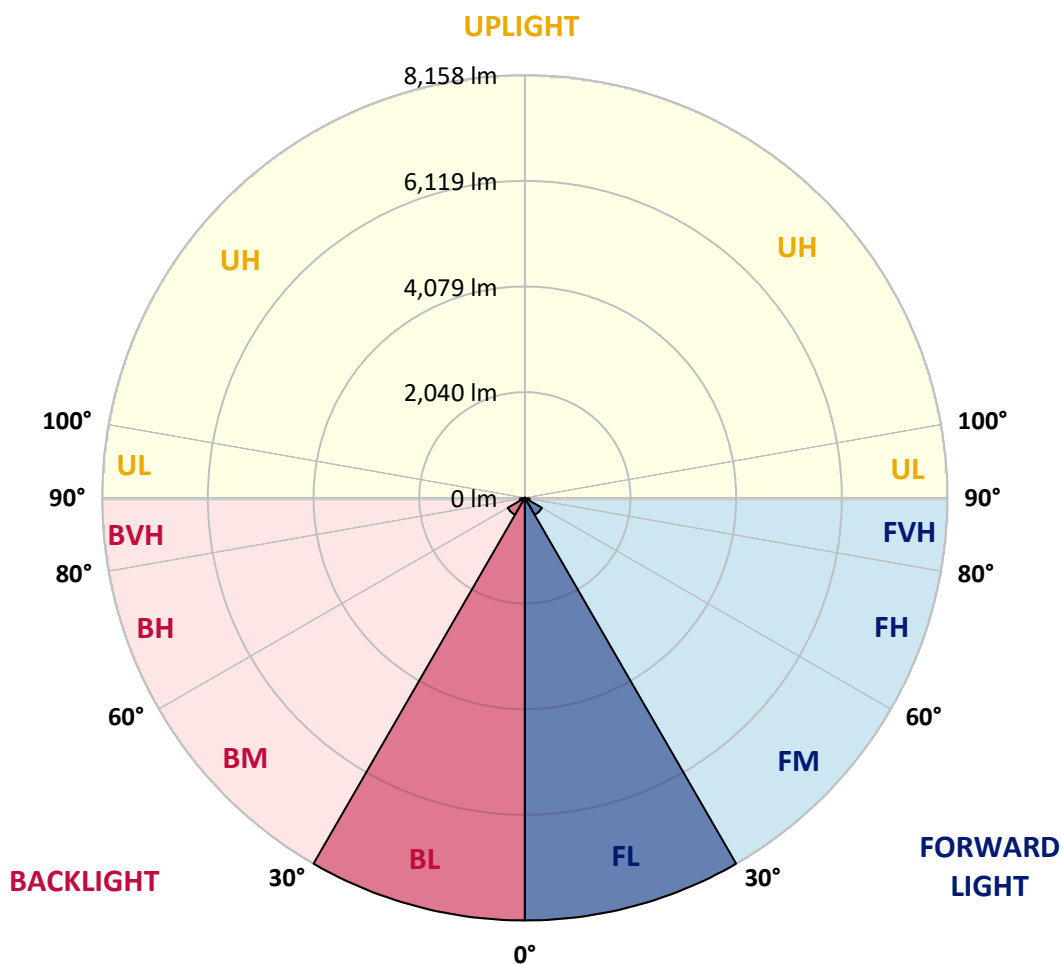


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8158.2	47.2			
FM (30°-60°)	380.4	2.2			
FH (60°-80°)	93.7	0.5			G0/660
FVH (80°-90°)	12.9	0.1			G1/100
BL (0°-30°)	8158.2	47.2	B5		
BM (30°-60°)	380.4	2.2	B1/1000		
BH (60°-80°)	93.7	0.5	B0/110		G0/660
BVH (80°-90°)	12.9	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°	246106.9	246106.9	246106.9	246106.9	246106.9	246106.9	246106.9	246106.9	246106.9	246106.9
1°	239996.7	240323.1	239959.7	241795.2	242552.9	242947.1	242993.3	244028.1	243230.4	243452.2
2°	227348.1	228074.9	226858.4	228034.9	230387.8	231277.9	229827.3	231619.7	230979.1	231351.8
3°	206094.6	206984.7	205303.1	206741.4	209768.8	210446.3	208068.8	210615.7	210551.0	211086.9
4°	178700.1	180144.6	177742.3	179445.4	180785.1	183144.2	180840.6	183738.6	183683.2	184613.3
5°	147603.8	149165.2	147077.1	148844.9	150113.8	150991.5	150147.7	153353.7	153557.0	154517.8
6°	117175.7	118632.5	116301.1	117988.8	119999.9	120360.2	120141.5	122901.0	123513.9	122765.5
7°	90178.5	90541.9	90175.4	91709.2	93323.0	93381.5	93664.8	96091.7	96630.6	96371.9
8°	69063.7	67400.6	68829.6	69642.7	70141.6	72432.9	72602.3	73825.0	74816.7	74887.5
9°	52571.5	51031.7	52685.5	53008.9	54154.5	56190.3	55934.6	57271.3	57893.4	57853.3
10°	40080.0	39297.8	40126.2	40483.5	41425.9	43150.6	43449.3	44062.2	44524.1	44825.9
12.5°	21749.3	21931.0	22411.4	22787.2	24056.0	24514.9	24699.7	24752.1	24749.0	24798.2
15°	13510.9	13658.7	13994.4	14675.1	15448.1	16017.8	16097.9	15802.3	15546.6	15506.6
17.5°	8426.2	8367.7	9156.1	9901.4	10831.5	11127.2	10819.2	10480.4	10132.4	9932.2
20°	5057.0	5097.0	5364.9	5697.6	6449.0	6960.3	6640.0	6295.0	5934.7	5697.6
22.5°	2873.4	2916.5	3033.6	3206.0	3492.5	3957.5	3754.2	3406.2	3150.6	3045.9
25°	1696.9	1696.9	1767.8	1844.8	1964.9	2072.7	2029.6	1844.8	1693.9	1650.8
27.5°	1099.5	1090.2	1114.9	1151.8	1207.3	1213.4	1164.2	1108.7	1031.7	1004.0
30°	803.8	806.9	803.8	819.2	816.1	794.6	763.8	766.9	736.1	733.0
32.5°	652.9	656.0	656.0	652.9	637.5	603.6	582.1	603.6	597.5	591.3
35°	542.0	545.1	575.9	572.8	548.2	511.2	495.8	520.5	539.0	511.2
37.5°	468.1	471.2	495.8	508.2	477.4	452.7	434.2	455.8	483.5	452.7
40°	412.7	415.8	421.9	425.0	409.6	397.3	388.1	394.2	406.5	391.1
42.5°	363.4	360.3	363.4	360.3	341.9	348.0	341.9	332.6	341.9	329.5
45°	317.2	317.2	317.2	308.0	289.5	301.8	295.7	286.4	289.5	280.3
47.5°	289.5	289.5	289.5	277.2	261.8	261.8	264.9	249.5	252.5	249.5
50°	261.8	261.8	267.9	255.6	243.3	234.1	237.1	224.8	227.9	224.8
52.5°	240.2	240.2	240.2	234.1	224.8	218.7	212.5	206.3	203.3	200.2
55°	231.0	231.0	227.9	209.4	206.3	200.2	187.9	184.8	178.6	175.5
57.5°	215.6	215.6	212.5	197.1	184.8	184.8	166.3	163.2	154.0	154.0
60°	190.9	190.9	187.9	184.8	169.4	160.1	147.8	141.7	132.4	129.4
62.5°	181.7	181.7	175.5	160.1	157.1	141.7	129.4	117.0	110.9	104.7
65°	169.4	166.3	163.2	147.8	135.5	126.3	110.9	95.5	89.3	77.0
67.5°	150.9	150.9	147.8	135.5	123.2	107.8	92.4	80.1	64.7	55.4
70°	132.4	129.4	129.4	117.0	107.8	95.5	73.9	61.6	46.2	37.0
72.5°	110.9	110.9	107.8	98.6	92.4	83.2	64.7	49.3	30.8	24.6
75°	89.3	89.3	86.2	80.1	77.0	67.8	55.4	43.1	24.6	12.3
77.5°	73.9	70.8	70.8	64.7	61.6	55.4	46.2	33.9	18.5	9.2
80°	55.4	55.4	58.5	55.4	49.3	46.2	40.0	30.8	15.4	6.2
82.5°	40.0	40.0	43.1	43.1	43.1	40.0	40.0	30.8	15.4	3.1
85°	27.7	27.7	33.9	30.8	30.8	33.9	49.3	40.0	12.3	3.1
87.5°	15.4	15.4	15.4	12.3	12.3	15.4	18.5	15.4	6.2	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
246106.9
241823.0
230021.3
209648.7
182981.0
152682.3
122842.5
96017.8
73994.4
58795.7
45004.6
24838.3
15383.4
9901.4
5749.9
3058.2
1644.6
1004.0
729.9
579.0
505.1
449.6
385.0
329.5
280.3
249.5
224.8
200.2
172.5
154.0
123.2
101.6
73.9
55.4
37.0
21.6
12.3
6.2
3.1
3.1
3.1
3.1
0.0

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