

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: P636319

Luminaire Tested: **IFLD-M-SA4C-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636319
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-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: 17011.7 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

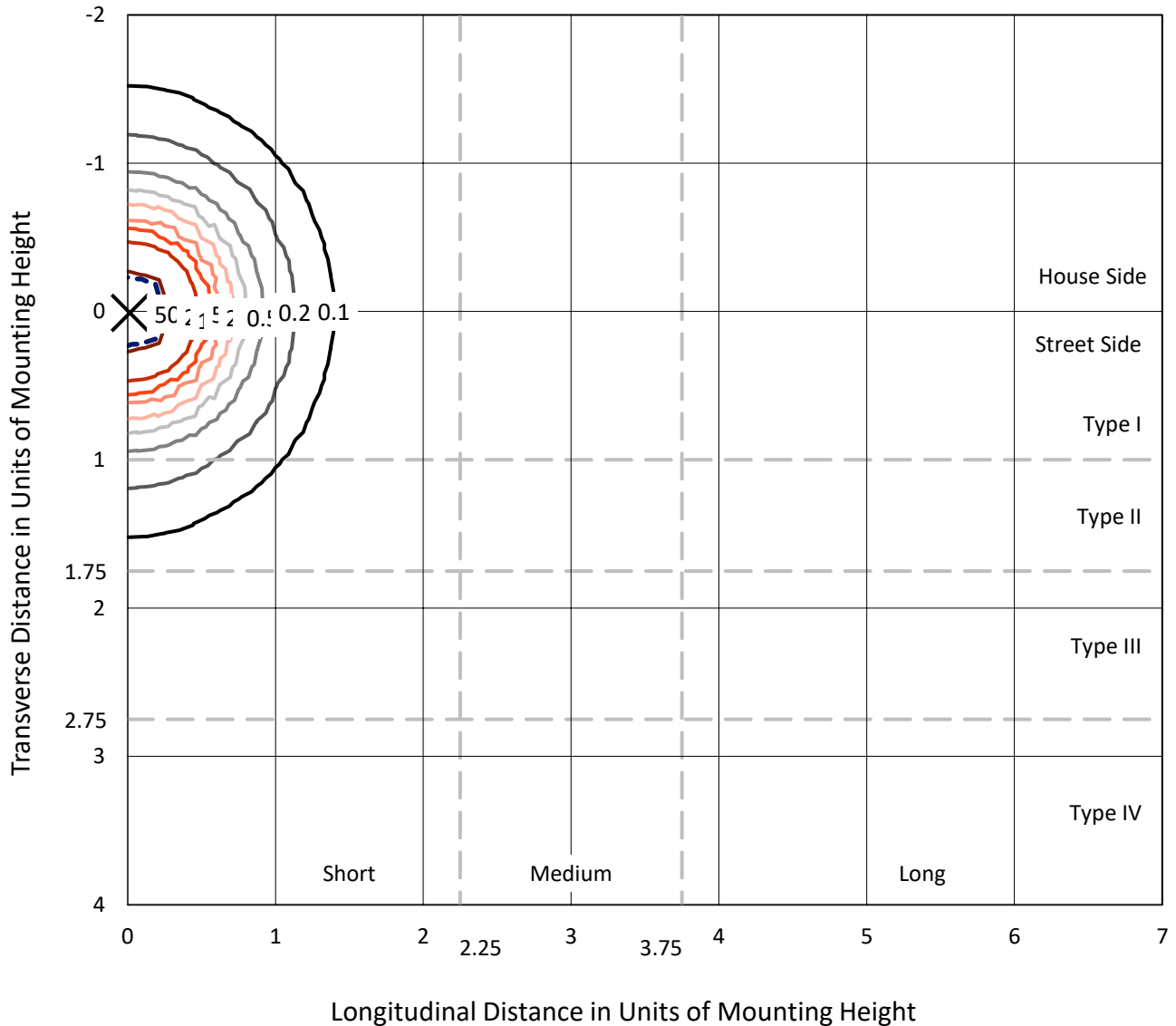
Input Watts (W): 218.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

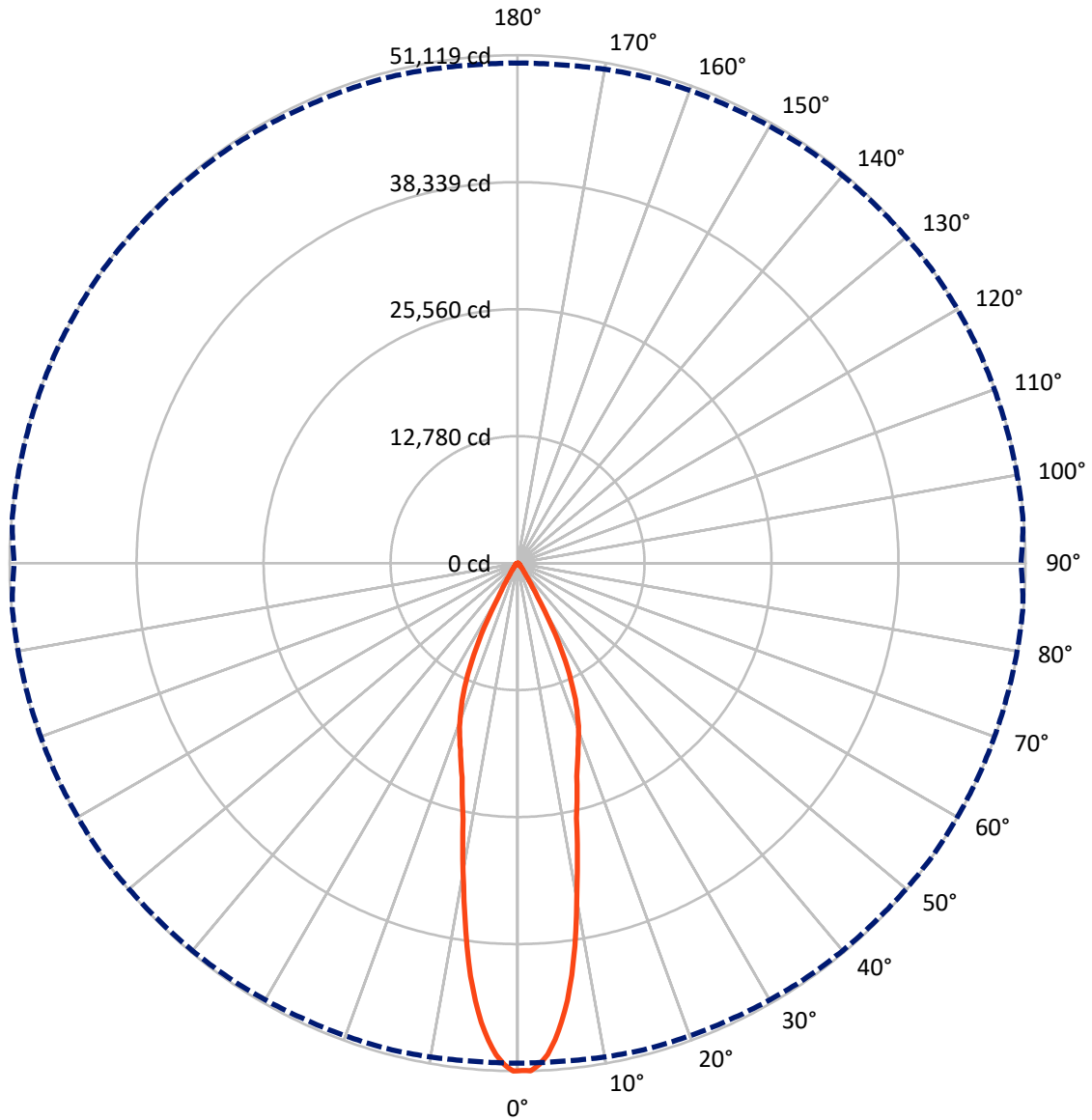
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 127.7 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	8505.8	0.0	8505.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8505.8	0.0	8505.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17011.7	0.0	17011.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3885.0	22.8
10°-20°	6345.2	37.3
20°-30°	4958.4	29.1
30°-40°	1080.8	6.4
40°-50°	320.0	1.9
50°-60°	200.1	1.2
60°-70°	140.0	0.8
70°-80°	60.1	0.4
80°-90°	22.2	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°	17011.7	100.0
0°-180°	17011.7	100.0



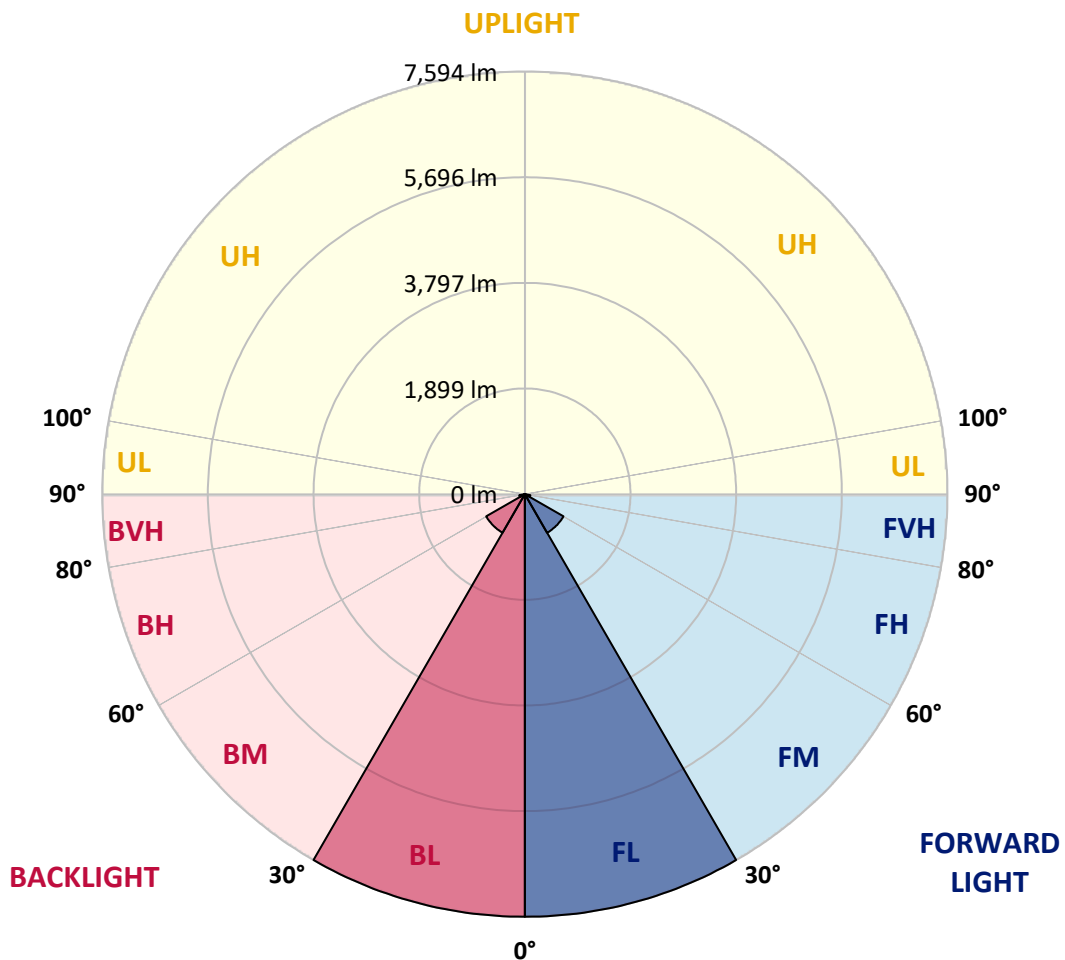
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7594.3	44.6			
FM (30°-60°)	800.5	4.7			
FH (60°-80°)	100.0	0.6			G0/660
FVH (80°-90°)	11.1	0.1			G1/100
BL (0°-30°)	7594.3	44.6	B5		
BM (30°-60°)	800.5	4.7	B1/1000		
BH (60°-80°)	100.0	0.6	B0/110		G0/660
BVH (80°-90°)	11.1	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°	51060.7	51060.7	51060.7	51060.7	51060.7	51060.7	51060.7	51060.7	51060.7	51060.7
1°	50321.6	50327.8	50601.9	50663.5	50851.3	50946.8	51119.2	51100.8	51048.4	51054.6
2°	49394.6	49354.6	49610.2	49893.5	50118.4	50303.1	50509.5	50552.6	50503.3	50549.5
3°	47870.2	47811.7	48168.9	48523.1	48914.2	49231.4	49542.5	49554.8	49496.3	49493.2
4°	45865.4	45757.6	46182.6	46813.9	47306.6	47728.5	48116.6	48110.4	48030.3	48095.0
5°	43441.7	43306.2	43857.4	44688.9	45418.8	45926.9	46355.0	46253.4	46068.6	46077.8
6°	40466.7	40599.1	41273.6	42440.8	43303.1	43725.0	44251.6	44060.7	43740.4	43706.5
7°	37670.4	37969.1	38508.0	39915.5	40941.0	41384.4	41831.0	41446.0	41011.8	40941.0
8°	34726.2	35225.1	35970.4	37266.9	38360.2	38806.8	38976.2	38563.5	38098.5	38080.0
9°	32339.5	32681.3	33321.9	34464.5	35576.2	35874.9	35911.9	35551.6	35086.5	35117.3
10°	30168.3	30233.0	30787.3	31769.8	32659.8	32872.3	32863.0	32601.3	32219.4	32321.0
12.5°	25308.6	25484.2	25644.3	25958.4	26257.2	26395.8	26343.4	26235.6	26026.2	26035.4
15°	22010.3	22007.2	22025.7	22170.5	22259.8	22275.2	22275.2	22139.7	22050.4	22182.8
17.5°	19100.0	19260.2	19546.6	19663.6	19780.6	19737.5	19657.5	19595.9	19537.4	19651.3
20°	16836.5	16907.3	16910.4	16987.4	17578.7	17609.5	17507.9	17332.3	17184.5	17156.8
22.5°	14289.6	14397.4	14443.6	14511.3	14572.9	15022.6	14902.5	14619.1	14443.6	14391.2
25°	10726.4	10689.5	10991.3	11545.6	11634.9	11690.4	11659.6	11511.8	11397.8	11419.4
27.5°	7412.7	7477.4	7465.1	7471.3	8059.5	8056.4	8047.1	7917.8	7883.9	7834.7
30°	4145.2	4114.4	4129.8	4089.8	4006.6	4108.3	3945.0	4083.6	3948.1	3991.2
32.5°	2451.4	2429.9	2408.3	2417.5	2355.9	2205.0	2140.4	2235.8	2205.0	2192.7
35°	1564.5	1573.7	1601.4	1598.3	1542.9	1456.7	1364.3	1450.5	1438.2	1401.2
37.5°	997.8	997.8	1007.0	1087.1	1040.9	967.0	902.3	939.3	936.2	930.1
40°	708.3	708.3	720.6	742.2	717.6	680.6	643.6	643.6	649.8	631.3
42.5°	526.6	526.6	538.9	551.3	520.5	508.1	489.7	477.3	492.7	477.3
45°	412.7	409.6	412.7	406.5	388.0	388.0	372.6	354.2	372.6	363.4
47.5°	338.8	335.7	332.6	320.3	301.8	304.9	298.7	283.3	292.6	289.5
50°	295.6	289.5	292.6	280.2	264.9	261.8	261.8	246.4	249.5	249.5
52.5°	258.7	258.7	255.6	249.5	243.3	231.0	234.1	218.7	218.7	218.7
55°	243.3	243.3	237.1	224.8	227.9	218.7	209.4	200.2	197.1	197.1
57.5°	240.2	240.2	237.1	224.8	215.6	212.5	200.2	187.9	178.6	181.7
60°	234.1	234.1	227.9	224.8	209.4	203.3	184.8	175.5	163.2	163.2
62.5°	224.8	221.7	209.4	190.9	190.9	175.5	163.2	144.7	135.5	132.4
65°	190.9	187.9	178.6	163.2	154.0	144.7	126.3	107.8	101.6	92.4
67.5°	157.1	157.1	150.9	135.5	129.3	117.0	95.5	83.2	67.8	61.6
70°	129.3	129.3	123.2	113.9	107.8	92.4	73.9	61.6	46.2	40.0
72.5°	104.7	104.7	98.5	92.4	86.2	77.0	61.6	46.2	30.8	24.6
75°	83.2	83.2	80.1	73.9	67.8	61.6	49.3	37.0	21.6	12.3
77.5°	67.8	67.8	64.7	61.6	55.4	49.3	40.0	30.8	15.4	6.2
80°	52.4	52.4	52.4	52.4	46.2	40.0	33.9	24.6	12.3	3.1
82.5°	37.0	37.0	40.0	46.2	37.0	30.8	30.8	24.6	9.2	3.1
85°	24.6	27.7	30.8	27.7	24.6	24.6	43.1	40.0	9.2	3.1
87.5°	12.3	12.3	12.3	12.3	12.3	9.2	12.3	9.2	6.2	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°
51060.7
50675.8
50186.1
49225.3
47790.1
45628.2
43256.9
40605.3
37405.5
34658.5
31963.8
25730.5
21874.8
19389.5
16978.2
14203.4
11345.5
7656.0
4043.6
2161.9
1361.2
917.7
625.2
474.3
363.4
289.5
252.5
218.7
194.0
181.7
154.0
126.3
89.3
58.5
37.0
21.6
9.2
6.2
3.1
3.1
3.1
0.0
0.0

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