

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: P636273

Luminaire Tested: **IFLD-S-SA2A-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636273
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5464.4 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

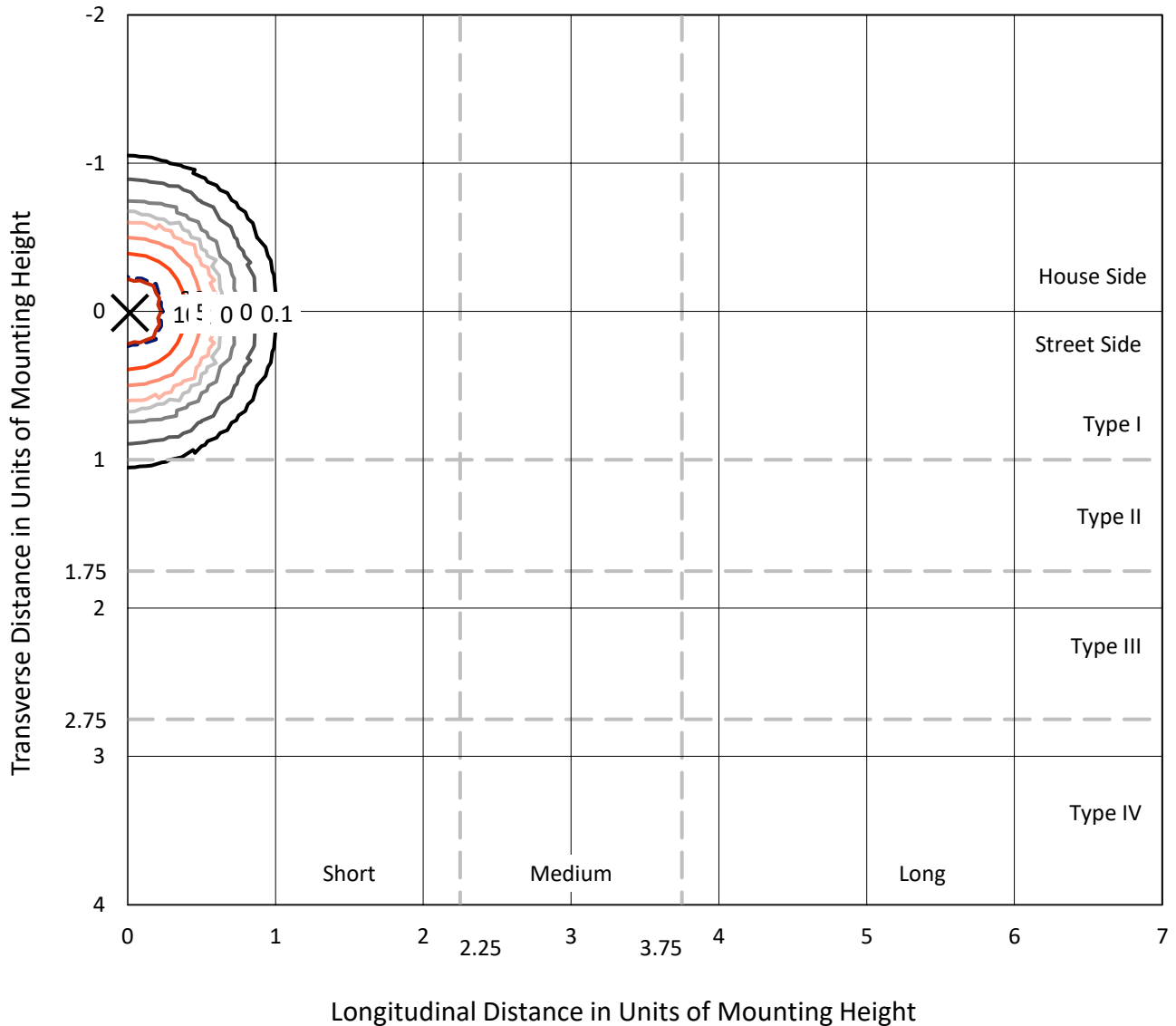
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

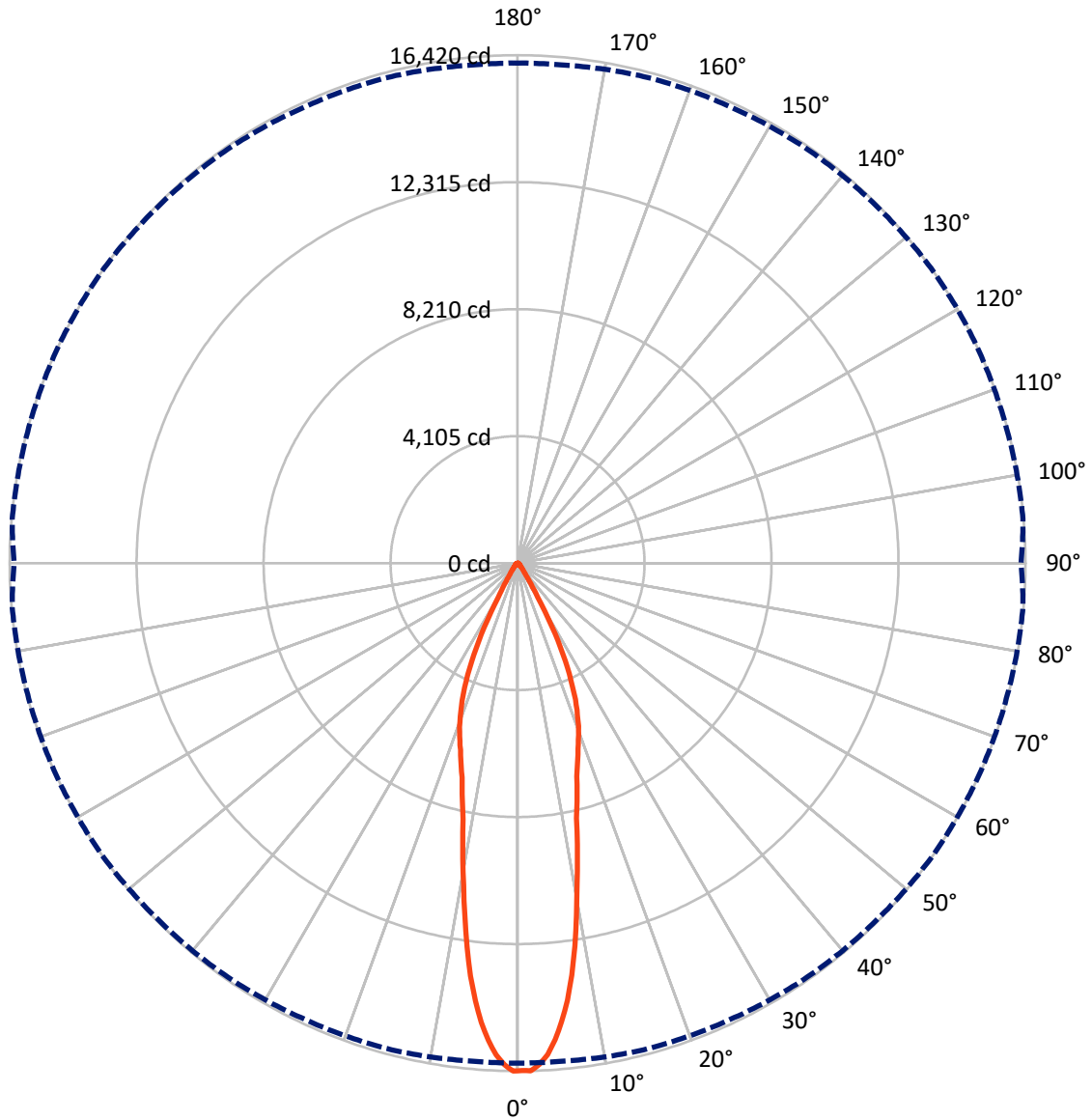
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 41 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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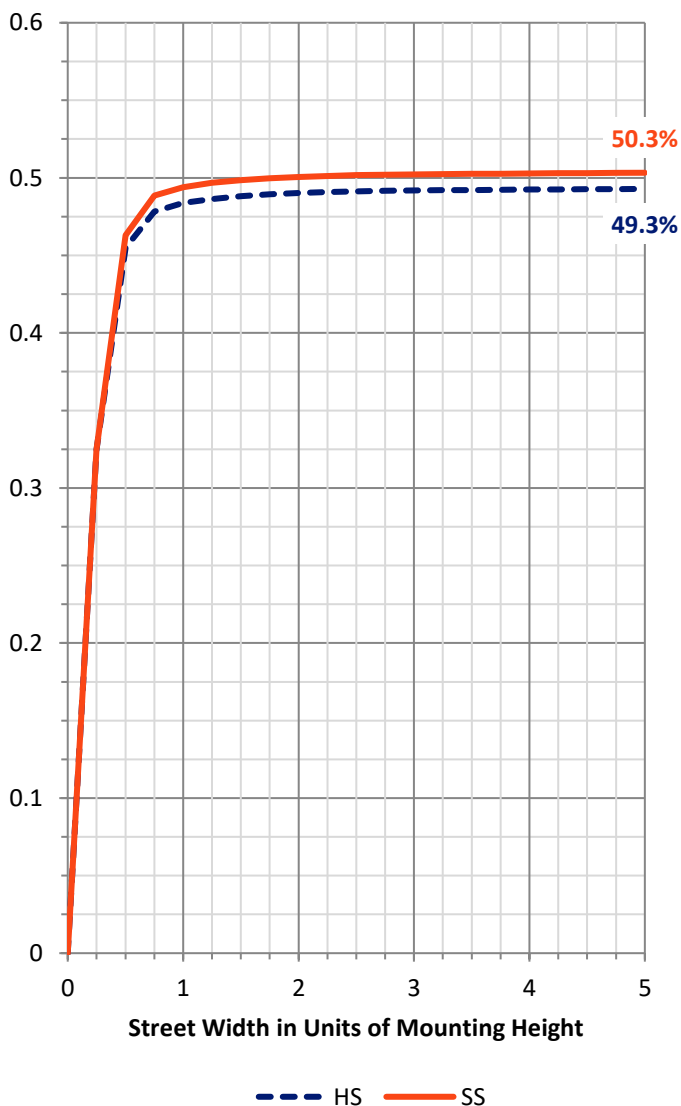
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2732.2	0.0	2732.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2732.2	0.0	2732.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5464.4	0.0	5464.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1247.9	22.8
10°-20°	2038.2	37.3
20°-30°	1592.7	29.1
30°-40°	347.2	6.4
40°-50°	102.8	1.9
50°-60°	64.3	1.2
60°-70°	45.0	0.8
70°-80°	19.3	0.4
80°-90°	7.1	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°	5464.4	100.0
0°-180°	5464.4	100.0



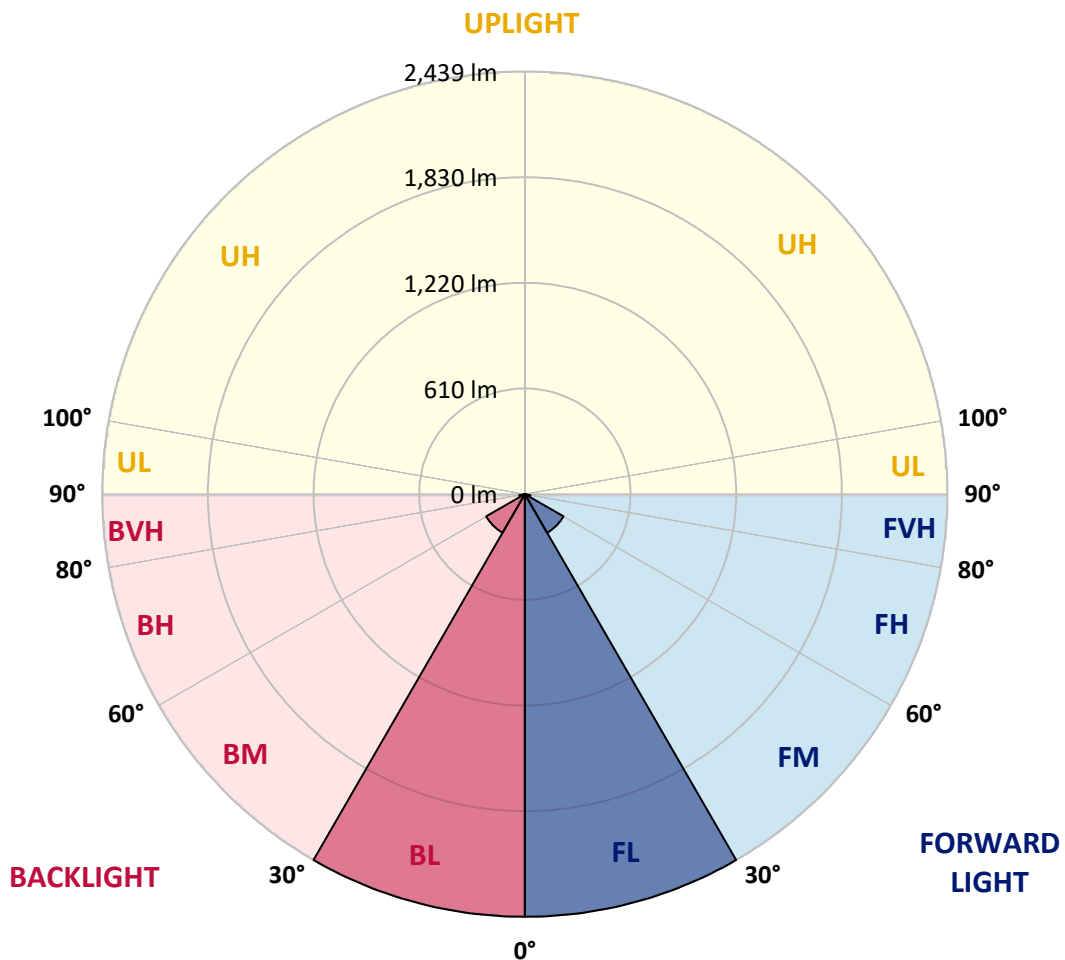
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2439.4	44.6			
FM (30°-60°)	257.1	4.7			
FH (60°-80°)	32.1	0.6			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	2439.4	44.6	B3/2500		
BM (30°-60°)	257.1	4.7	B1/1000		
BH (60°-80°)	32.1	0.6	B0/110		G0/660
BVH (80°-90°)	3.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5
1°	16164.1	16166.0	16254.1	16273.9	16334.2	16364.9	16420.3	16414.3	16397.5	16399.5
2°	15866.3	15853.4	15935.5	16026.6	16098.8	16158.1	16224.4	16238.3	16222.4	16237.3
3°	15376.6	15357.8	15472.6	15586.3	15712.0	15813.9	15913.8	15917.7	15898.9	15898.0
4°	14732.6	14698.0	14834.5	15037.3	15195.6	15331.1	15455.8	15453.8	15428.1	15448.8
5°	13954.1	13910.6	14087.7	14354.8	14589.2	14752.4	14889.9	14857.3	14797.9	14800.9
6°	12998.5	13041.1	13257.7	13632.6	13909.6	14045.1	14214.3	14153.0	14050.1	14039.2
7°	12100.3	12196.2	12369.4	12821.4	13150.9	13293.3	13436.7	13313.1	13173.6	13150.9
8°	11154.6	11314.8	11554.2	11970.7	12321.9	12465.3	12519.7	12387.2	12237.8	12231.9
9°	10387.9	10497.7	10703.5	11070.5	11427.6	11523.6	11535.4	11419.7	11270.3	11280.2
10°	9690.5	9711.3	9889.4	10204.9	10490.8	10559.1	10556.1	10472.0	10349.4	10382.0
12.5°	8129.5	8185.9	8237.3	8338.2	8434.2	8478.7	8461.9	8427.3	8360.0	8363.0
15°	7070.0	7069.1	7075.0	7121.5	7150.2	7155.1	7155.1	7111.6	7082.9	7125.4
17.5°	6135.2	6186.7	6278.7	6316.3	6353.8	6340.0	6314.3	6294.5	6275.7	6312.3
20°	5408.1	5430.9	5431.9	5456.6	5646.5	5656.4	5623.8	5567.4	5519.9	5511.0
22.5°	4590.0	4624.7	4639.5	4661.3	4681.0	4825.5	4786.9	4695.9	4639.5	4622.7
25°	3445.5	3433.6	3530.6	3708.6	3737.3	3755.1	3745.2	3697.8	3661.1	3668.1
27.5°	2381.1	2401.9	2397.9	2399.9	2588.8	2587.8	2584.9	2543.3	2532.4	2516.6
30°	1331.5	1321.6	1326.6	1313.7	1287.0	1319.6	1267.2	1311.7	1268.2	1282.0
32.5°	787.4	780.5	773.6	776.5	756.8	708.3	687.5	718.2	708.3	704.3
35°	502.5	505.5	514.4	513.4	495.6	467.9	438.2	465.9	462.0	450.1
37.5°	320.5	320.5	323.5	349.2	334.4	310.6	289.8	301.7	300.7	298.7
40°	227.5	227.5	231.5	238.4	230.5	218.6	206.7	206.7	208.7	202.8
42.5°	169.2	169.2	173.1	177.1	167.2	163.2	157.3	153.3	158.3	153.3
45°	132.6	131.6	132.6	130.6	124.6	124.6	119.7	113.8	119.7	116.7
47.5°	108.8	107.8	106.8	102.9	96.9	97.9	96.0	91.0	94.0	93.0
50°	95.0	93.0	94.0	90.0	85.1	84.1	84.1	79.1	80.1	80.1
52.5°	83.1	83.1	82.1	80.1	78.1	74.2	75.2	70.2	70.2	70.2
55°	78.1	78.1	76.2	72.2	73.2	70.2	67.3	64.3	63.3	63.3
57.5°	77.2	77.2	76.2	72.2	69.2	68.3	64.3	60.3	57.4	58.4
60°	75.2	75.2	73.2	72.2	67.3	65.3	59.4	56.4	52.4	52.4
62.5°	72.2	71.2	67.3	61.3	61.3	56.4	52.4	46.5	43.5	42.5
65°	61.3	60.3	57.4	52.4	49.5	46.5	40.6	34.6	32.6	29.7
67.5°	50.5	50.5	48.5	43.5	41.5	37.6	30.7	26.7	21.8	19.8
70°	41.5	41.5	39.6	36.6	34.6	29.7	23.7	19.8	14.8	12.9
72.5°	33.6	33.6	31.7	29.7	27.7	24.7	19.8	14.8	9.9	7.9
75°	26.7	26.7	25.7	23.7	21.8	19.8	15.8	11.9	6.9	4.0
77.5°	21.8	21.8	20.8	19.8	17.8	15.8	12.9	9.9	4.9	2.0
80°	16.8	16.8	16.8	16.8	14.8	12.9	10.9	7.9	4.0	1.0
82.5°	11.9	11.9	12.9	14.8	11.9	9.9	9.9	7.9	3.0	1.0
85°	7.9	8.9	9.9	8.9	7.9	7.9	13.8	12.9	3.0	1.0
87.5°	4.0	4.0	4.0	4.0	4.0	3.0	4.0	3.0	2.0	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°
16401.5
16277.8
16120.5
15811.9
15350.9
14656.5
13894.8
13043.0
12015.2
11132.8
10267.2
8265.0
7026.5
6228.2
5453.6
4562.3
3644.3
2459.2
1298.9
694.4
437.2
294.8
200.8
152.3
116.7
93.0
81.1
70.2
62.3
58.4
49.5
40.6
28.7
18.8
11.9
6.9
3.0
2.0
1.0
1.0
1.0
0.0
0.0

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