

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: P636017

Luminaire Tested: **IFLD-S-SA3A-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636017
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8367.1 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

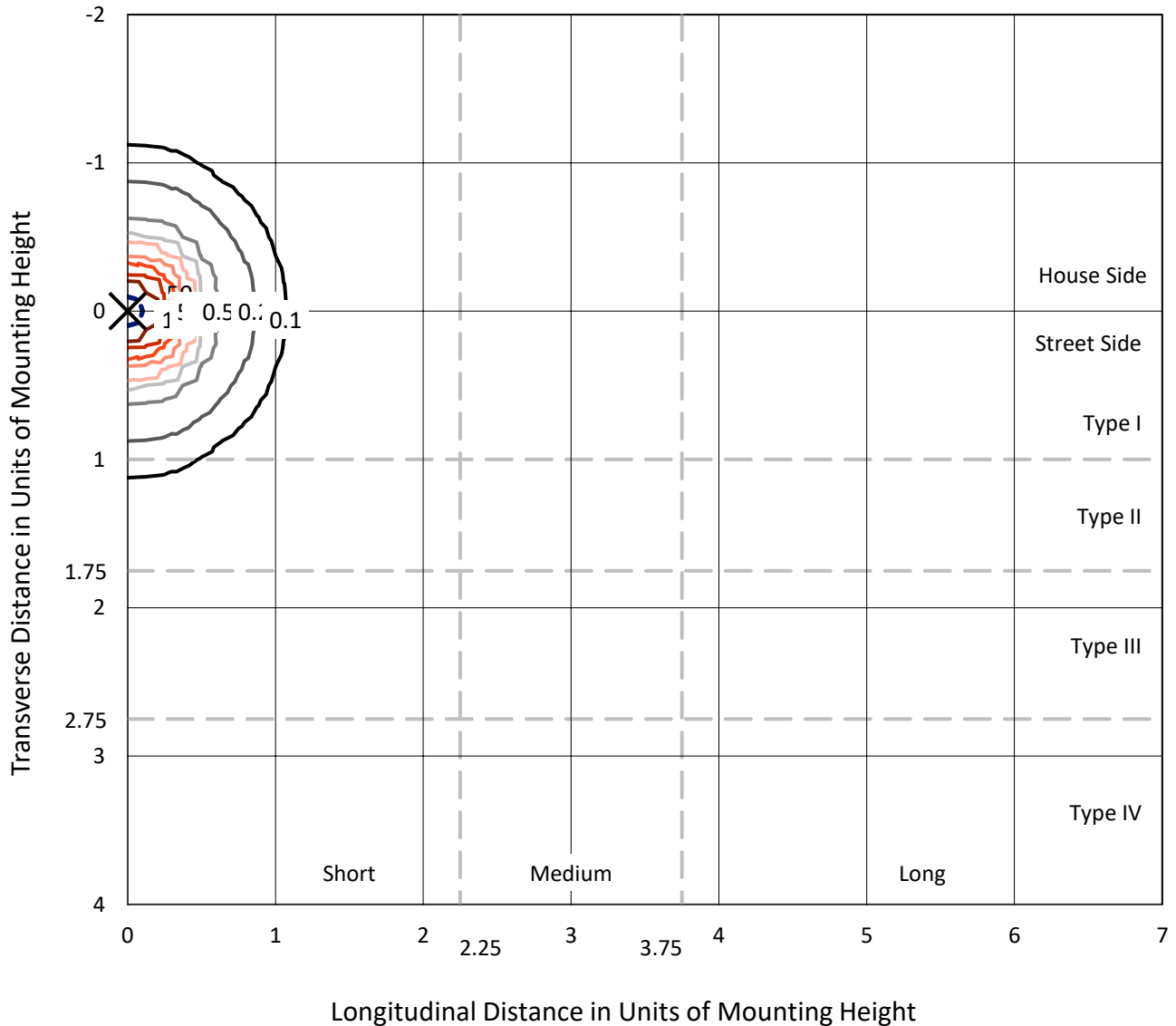
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

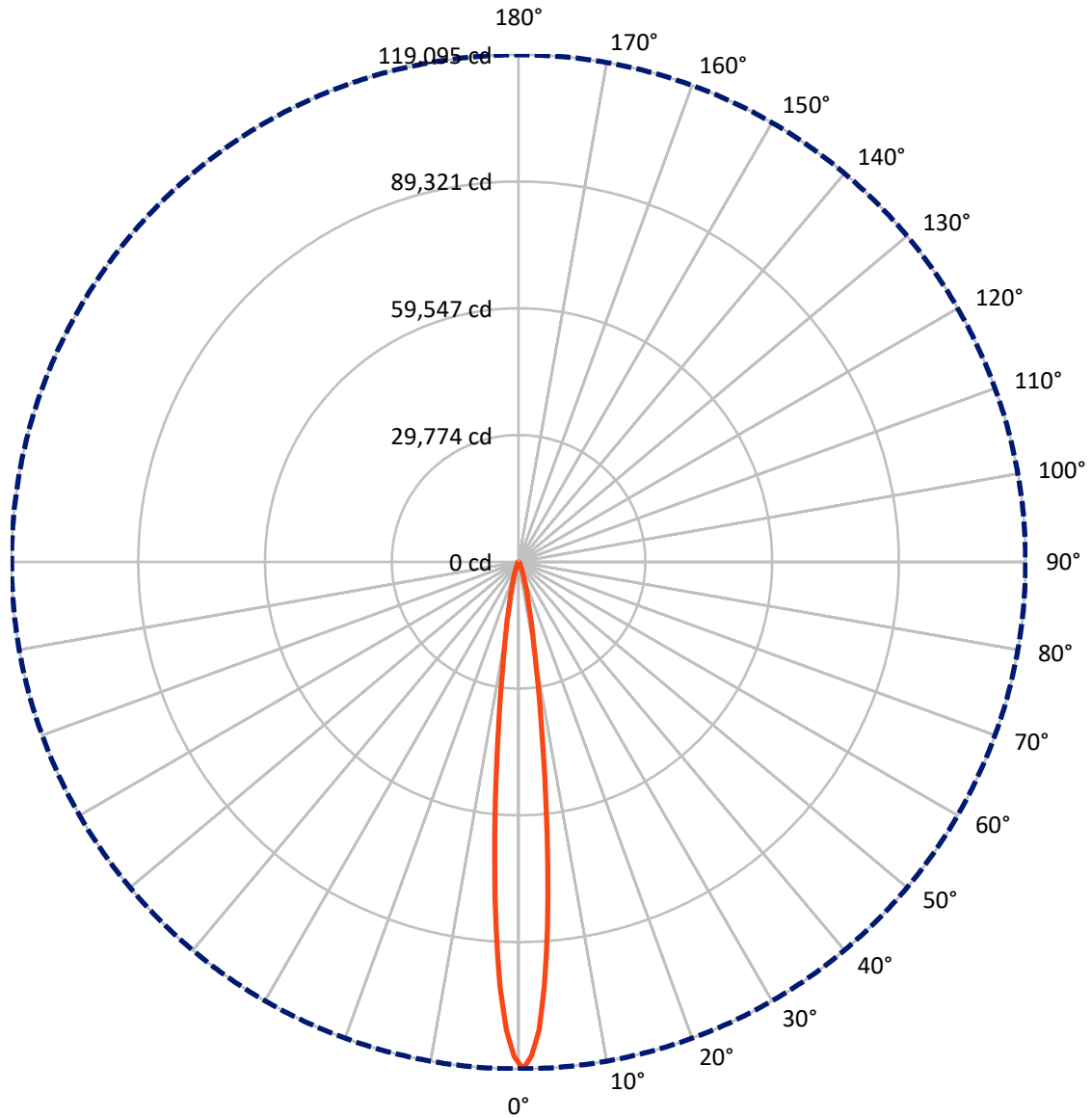
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 297.7 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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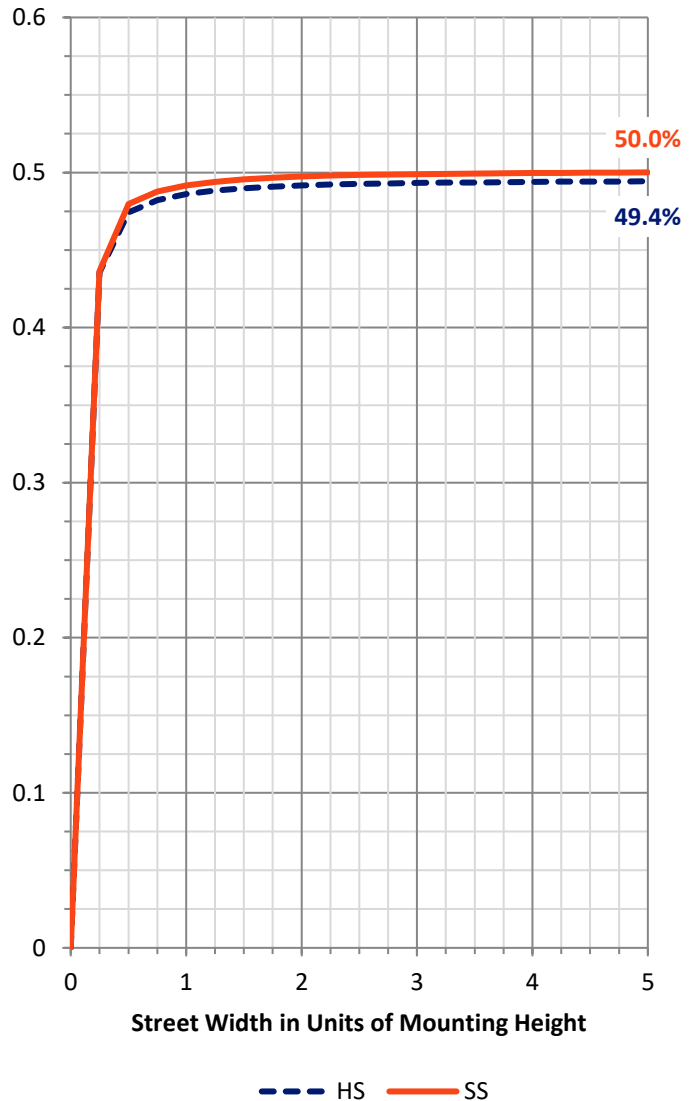
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4183.6	0.0	4183.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4183.6	0.0	4183.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8367.1	0.0	8367.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5100.4	61.0
10°-20°	2285.0	27.3
20°-30°	510.3	6.1
30°-40°	166.6	2.0
40°-50°	114.9	1.4
50°-60°	86.8	1.0
60°-70°	59.4	0.7
70°-80°	31.3	0.4
80°-90°	12.5	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°	8367.1	100.0
0°-180°	8367.1	100.0

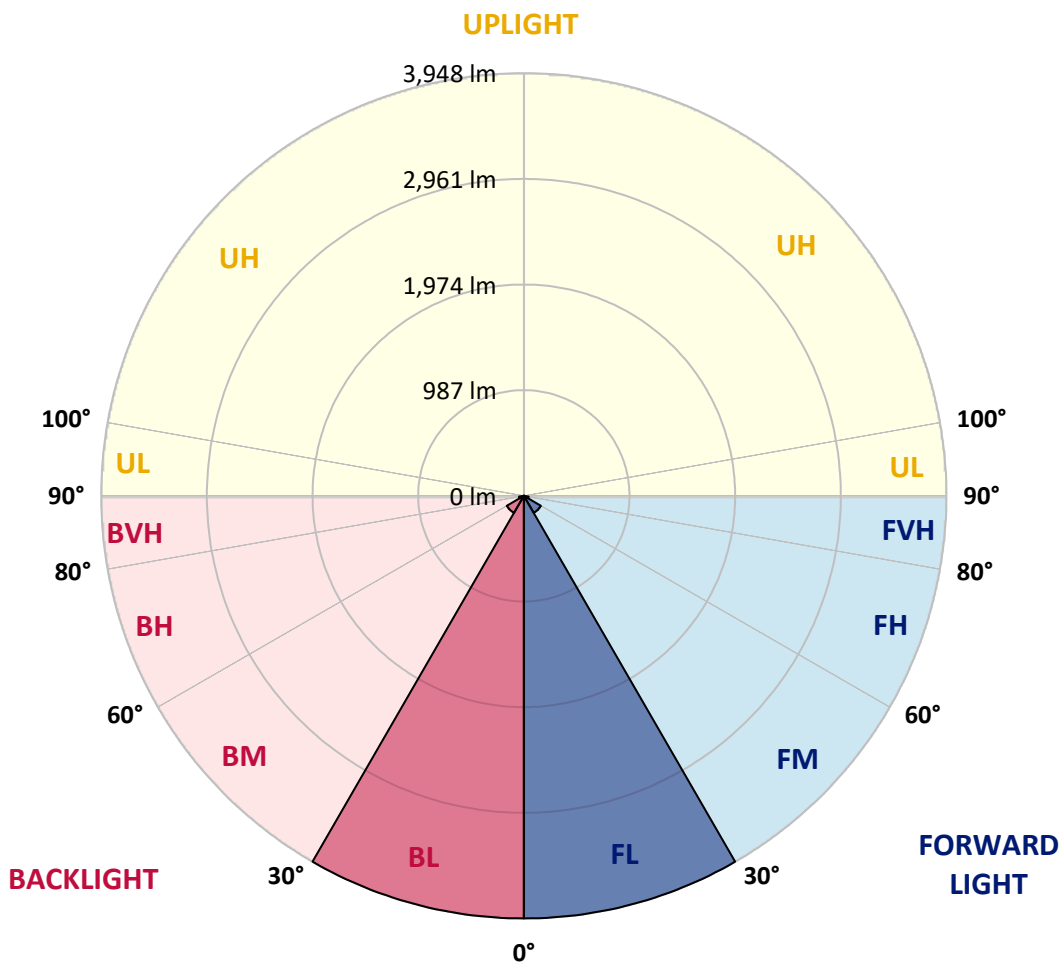


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3947.9	47.2			
FM (30°-60°)	184.1	2.2			
FH (60°-80°)	45.3	0.5			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	3947.9	47.2	B4/5000		
BM (30°-60°)	184.1	2.2	B0/220		
BH (60°-80°)	45.3	0.5	B0/110		G0/660
BVH (80°-90°)	6.2	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°	119094.9	119094.9	119094.9	119094.9	119094.9	119094.9	119094.9	119094.9	119094.9	119094.9
1°	116138.0	116296.0	116120.2	117008.4	117375.0	117565.8	117588.2	118088.9	117702.9	117810.2
2°	110017.2	110368.9	109780.2	110349.6	111488.2	111918.9	111216.9	112084.3	111774.3	111954.7
3°	99732.3	100163.0	99349.3	100045.3	101510.3	101838.2	100687.7	101920.2	101888.9	102148.2
4°	86475.7	87174.7	86012.2	86836.4	87484.7	88626.3	87511.5	88913.9	88887.1	89337.2
5°	71427.7	72183.3	71172.9	72028.3	72642.4	73067.1	72658.7	74210.2	74308.6	74773.5
6°	56703.1	57408.1	56279.9	57096.6	58069.8	58244.1	58138.3	59473.7	59770.3	59408.1
7°	43638.8	43814.6	43637.3	44379.5	45160.4	45188.7	45325.8	46500.2	46761.0	46635.8
8°	33421.0	32616.2	33307.7	33701.2	33942.6	35051.4	35133.4	35725.0	36204.9	36239.2
9°	25440.2	24695.0	25495.3	25651.8	26206.2	27191.3	27067.6	27714.4	28015.5	27996.1
10°	19395.3	19016.8	19417.7	19590.6	20046.6	20881.2	21025.8	21322.4	21545.9	21692.0
12.5°	10524.8	10612.7	10845.2	11027.1	11641.1	11863.1	11952.6	11977.9	11976.4	12000.3
15°	6538.1	6609.7	6772.1	7101.5	7475.6	7751.3	7790.0	7647.0	7523.3	7503.9
17.5°	4077.6	4049.3	4430.8	4791.5	5241.5	5384.6	5235.6	5071.6	4903.2	4806.4
20°	2447.1	2466.5	2596.2	2757.1	3120.8	3368.2	3213.2	3046.3	2871.9	2757.1
22.5°	1390.5	1411.4	1468.0	1551.4	1690.1	1915.1	1816.7	1648.3	1524.6	1474.0
25°	821.2	821.2	855.5	892.7	950.8	1003.0	982.1	892.7	819.7	798.8
27.5°	532.1	527.6	539.5	557.4	584.2	587.2	563.4	536.5	499.3	485.9
30°	389.0	390.5	389.0	396.4	394.9	384.5	369.6	371.1	356.2	354.7
32.5°	316.0	317.4	317.4	316.0	308.5	292.1	281.7	292.1	289.1	286.1
35°	262.3	263.8	278.7	277.2	265.3	247.4	239.9	251.9	260.8	247.4
37.5°	226.5	228.0	239.9	245.9	231.0	219.1	210.1	220.6	234.0	219.1
40°	199.7	201.2	204.2	205.7	198.2	192.3	187.8	190.8	196.7	189.3
42.5°	175.9	174.4	175.9	174.4	165.4	168.4	165.4	161.0	165.4	159.5
45°	153.5	153.5	153.5	149.0	140.1	146.1	143.1	138.6	140.1	135.6
47.5°	140.1	140.1	140.1	134.1	126.7	126.7	128.2	120.7	122.2	120.7
50°	126.7	126.7	129.7	123.7	117.7	113.3	114.8	108.8	110.3	108.8
52.5°	116.2	116.2	116.2	113.3	108.8	105.8	102.8	99.9	98.4	96.9
55°	111.8	111.8	110.3	101.3	99.9	96.9	90.9	89.4	86.4	84.9
57.5°	104.3	104.3	102.8	95.4	89.4	89.4	80.5	79.0	74.5	74.5
60°	92.4	92.4	90.9	89.4	82.0	77.5	71.5	68.6	64.1	62.6
62.5°	87.9	87.9	84.9	77.5	76.0	68.6	62.6	56.6	53.7	50.7
65°	82.0	80.5	79.0	71.5	65.6	61.1	53.7	46.2	43.2	37.3
67.5°	73.0	73.0	71.5	65.6	59.6	52.2	44.7	38.7	31.3	26.8
70°	64.1	62.6	62.6	56.6	52.2	46.2	35.8	29.8	22.4	17.9
72.5°	53.7	53.7	52.2	47.7	44.7	40.2	31.3	23.8	14.9	11.9
75°	43.2	43.2	41.7	38.7	37.3	32.8	26.8	20.9	11.9	6.0
77.5°	35.8	34.3	34.3	31.3	29.8	26.8	22.4	16.4	8.9	4.5
80°	26.8	26.8	28.3	26.8	23.8	22.4	19.4	14.9	7.5	3.0
82.5°	19.4	19.4	20.9	20.9	20.9	19.4	19.4	14.9	7.5	1.5
85°	13.4	13.4	16.4	14.9	14.9	16.4	23.8	19.4	6.0	1.5
87.5°	7.5	7.5	7.5	6.0	6.0	7.5	8.9	7.5	3.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
119094.9
117021.8
111310.8
101452.2
88547.3
73885.3
59445.4
46464.5
35807.0
28452.2
21778.4
12019.6
7444.3
4791.5
2782.5
1479.9
795.8
485.9
353.2
280.2
244.4
217.6
186.3
159.5
135.6
120.7
108.8
96.9
83.5
74.5
59.6
49.2
35.8
26.8
17.9
10.4
6.0
3.0
1.5
1.5
1.5
1.5
0.0

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