

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: P636134

Luminaire Tested: **IFLD-S-SA3B-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636134
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10309.2 lumens
Efficiency: N/A
Efficacy: 84.2 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

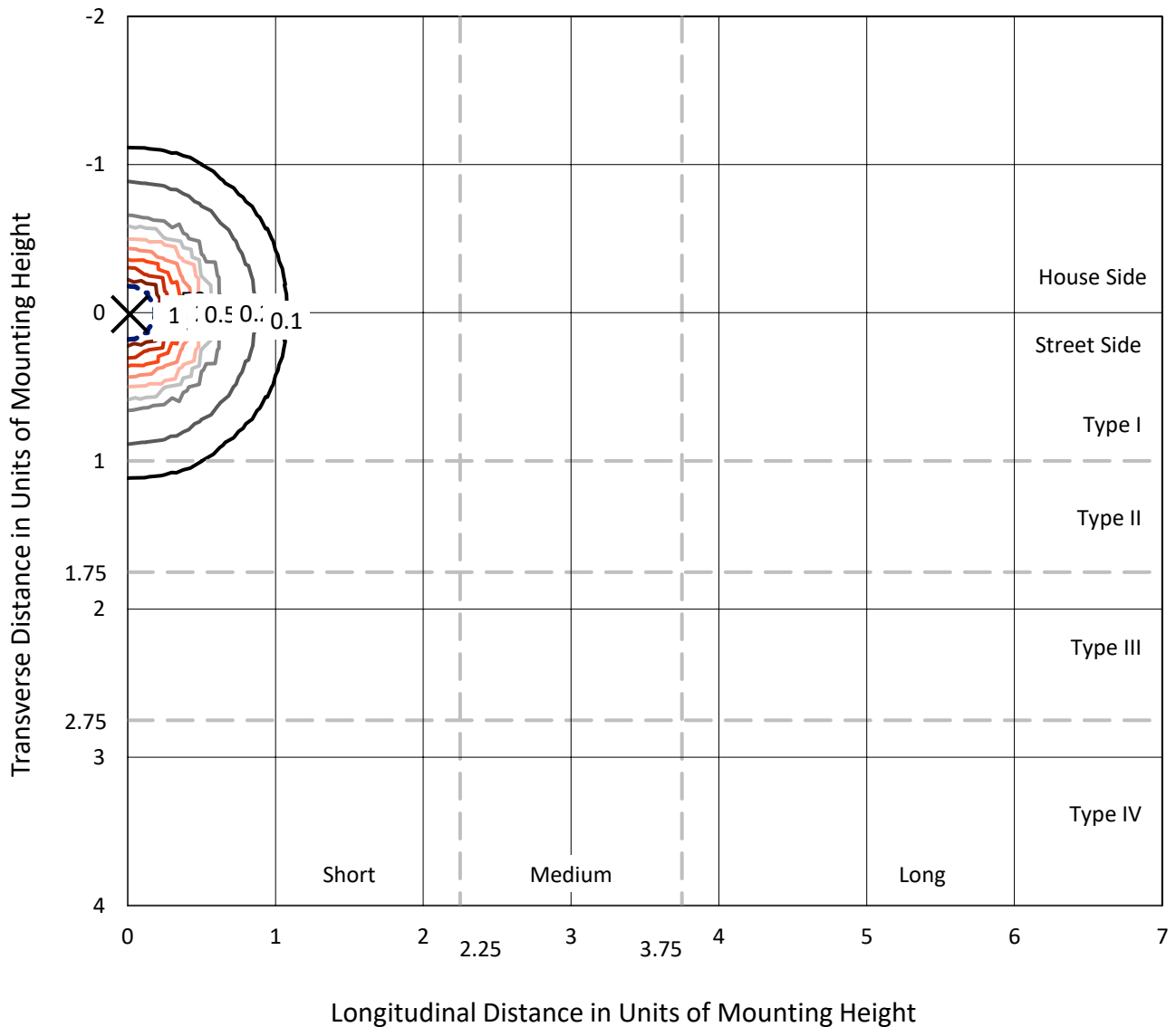
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

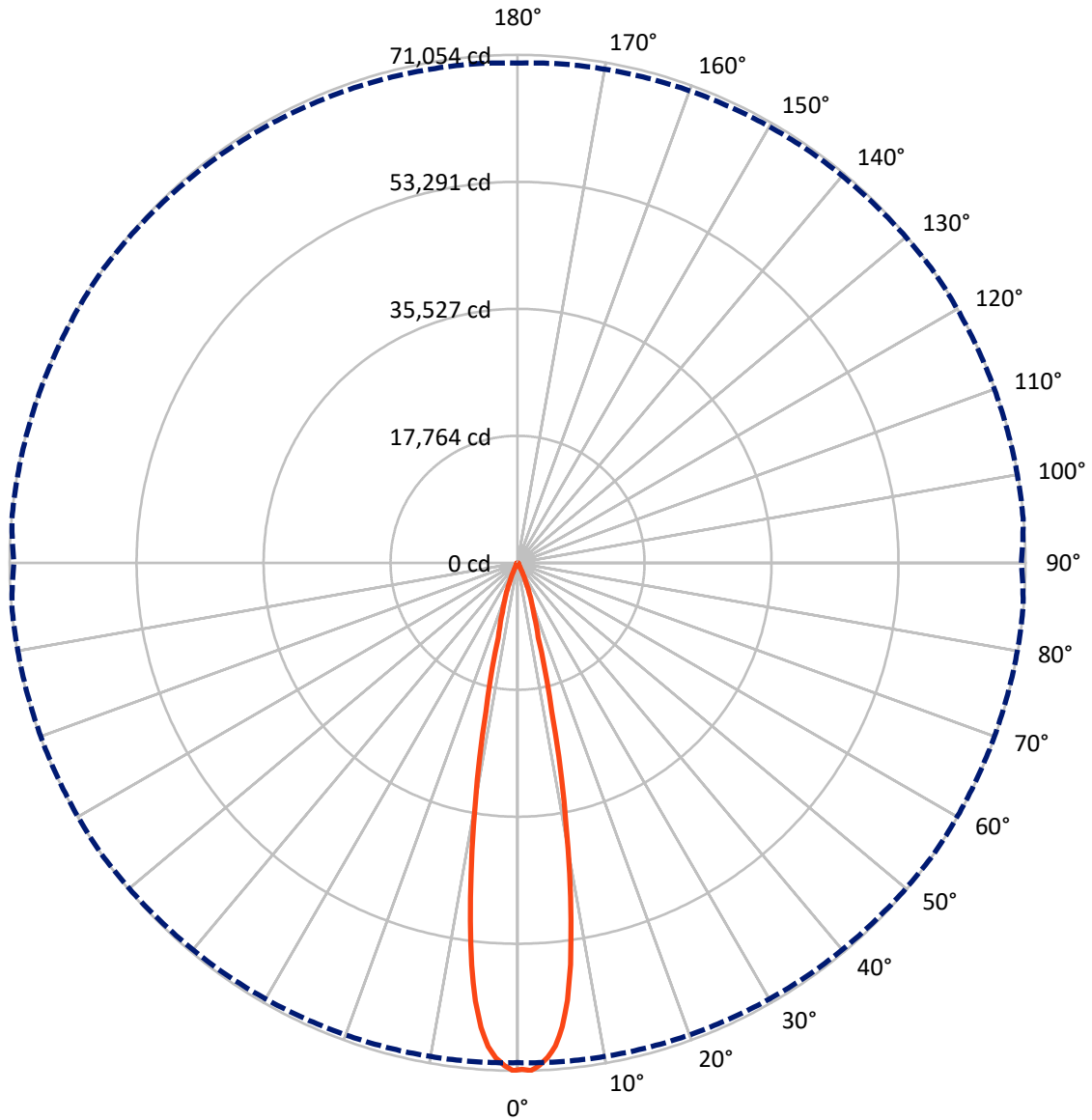
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 177.2 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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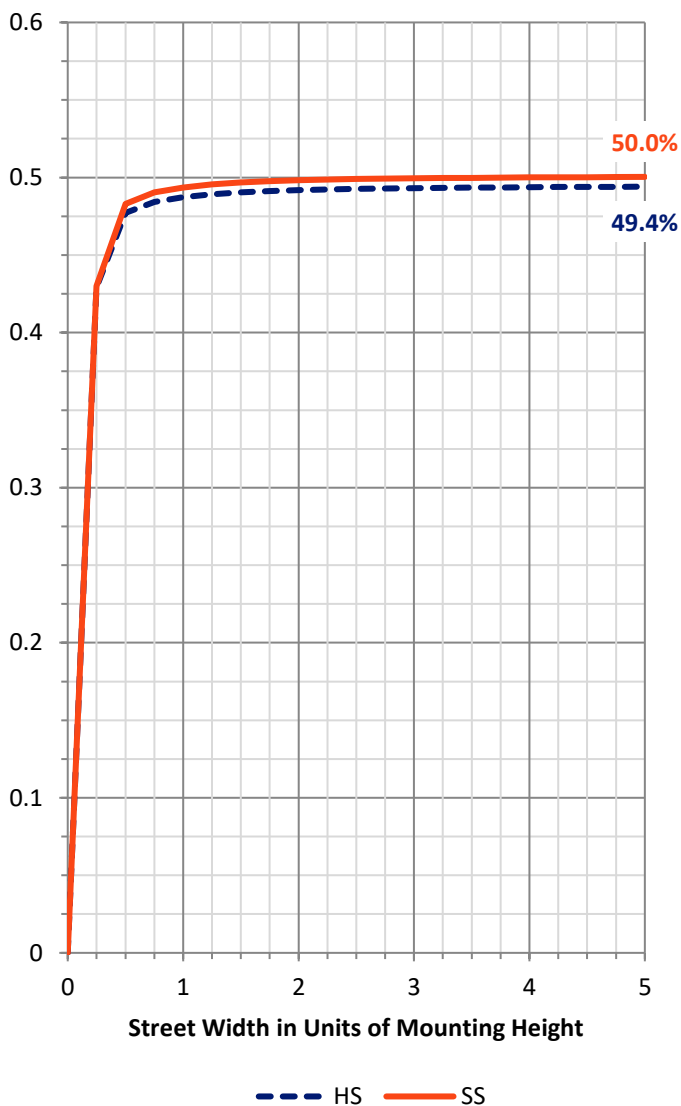
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5154.6	0.0	5154.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5154.6	0.0	5154.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10309.2	0.0	10309.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5237.8	50.8
10°-20°	3712.1	36.0
20°-30°	869.8	8.4
30°-40°	181.8	1.8
40°-50°	117.3	1.1
50°-60°	86.9	0.8
60°-70°	59.0	0.6
70°-80°	31.5	0.3
80°-90°	12.9	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°	10309.2	100.0
0°-180°	10309.2	100.0

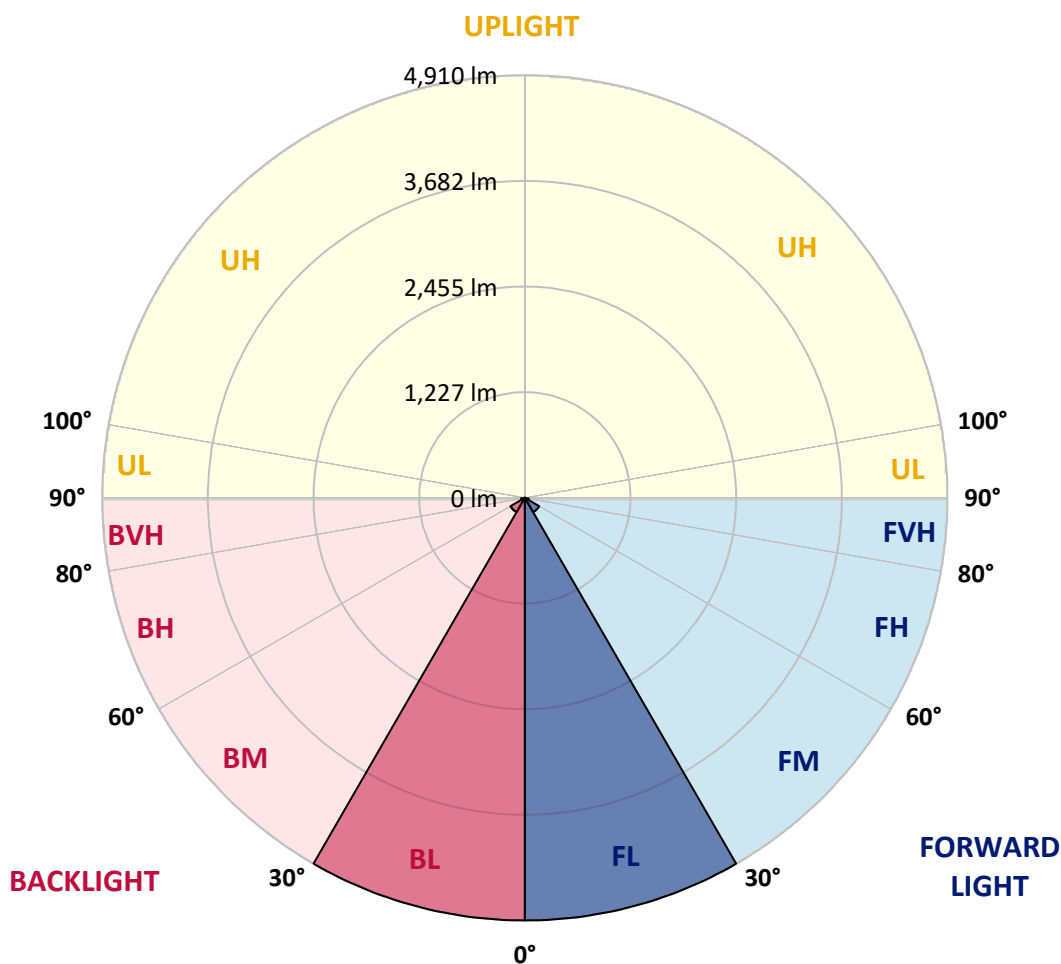


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4909.9	47.6			
FM (30°-60°)	193.0	1.9			
FH (60°-80°)	45.3	0.4			G0/660
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	4909.9	47.6	B4/5000		
BM (30°-60°)	193.0	1.9	B0/220		
BH (60°-80°)	45.3	0.4	B0/110		G0/660
BVH (80°-90°)	6.5	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°	70872.0	70872.0	70872.0	70872.0	70872.0	70872.0	70872.0	70872.0	70872.0	70872.0
1°	69918.5	70048.0	70206.6	70350.6	70567.6	70744.4	71054.3	70988.7	70979.6	70992.4
2°	68563.9	68726.2	68970.5	69114.5	69674.2	69903.9	70372.5	70511.0	70399.8	70525.6
3°	66534.7	66667.8	67050.7	67333.3	68058.9	68678.8	69305.9	69513.8	69384.3	69442.7
4°	64119.0	64255.7	64718.8	65295.0	66343.3	67030.6	67781.8	67967.7	67544.7	67573.9
5°	61243.9	61307.7	61874.7	62399.8	63654.1	64487.3	65200.1	65258.5	64872.0	64724.3
6°	58009.6	57894.7	58416.1	58638.6	60197.4	61047.0	61568.4	61500.9	61207.4	61081.6
7°	54166.3	54009.5	54430.7	54310.4	55690.5	56175.5	56676.8	56447.1	56213.8	56503.6
8°	49719.6	49632.1	49360.5	49852.7	50126.2	50560.1	50558.3	50425.2	50417.9	50901.0
9°	43254.7	44062.3	43823.5	44339.5	44270.2	44250.1	44117.0	44031.3	43666.7	44222.8
10°	36155.3	36684.0	37086.9	37856.3	37706.8	37918.3	37178.0	37303.8	37061.4	37520.8
12.5°	18714.8	19309.2	19657.4	20244.5	20889.9	21549.9	21336.5	21115.9	20785.9	21190.7
15°	9212.5	9447.7	9558.9	10155.0	10614.5	10780.4	10805.9	10610.8	10527.0	10614.5
17.5°	5653.6	5735.7	6058.4	6743.9	7141.4	7239.8	7176.0	6962.7	6723.8	6623.6
20°	4093.0	4116.7	4238.9	4372.0	4902.5	5179.6	5077.5	4867.9	4647.3	4543.3
22.5°	2672.8	2696.5	2736.6	2809.5	2951.7	3294.5	3183.3	3041.0	2891.5	2860.6
25°	1513.2	1513.2	1555.2	1629.9	1735.7	1761.2	1783.1	1631.7	1562.5	1531.5
27.5°	844.1	849.6	858.7	887.9	940.8	935.3	911.6	871.5	824.1	774.8
30°	466.7	472.2	477.7	485.0	494.1	477.7	463.1	455.8	435.7	430.3
32.5°	350.0	350.0	353.7	351.9	342.8	322.7	313.6	324.5	322.7	313.6
35°	288.1	288.1	291.7	299.0	280.8	266.2	258.9	273.5	273.5	268.0
37.5°	235.2	237.0	238.8	248.0	242.5	226.1	224.2	227.9	229.7	227.9
40°	206.0	204.2	204.2	206.0	202.4	198.7	195.1	193.3	195.1	193.3
42.5°	178.7	176.8	180.5	176.8	169.6	171.4	171.4	165.9	167.7	164.1
45°	156.8	155.0	156.8	153.1	147.7	149.5	149.5	142.2	142.2	140.4
47.5°	138.6	138.6	138.6	140.4	131.3	129.4	131.3	129.4	124.0	122.2
50°	120.3	122.2	124.0	127.6	118.5	114.9	114.9	114.9	111.2	109.4
52.5°	111.2	113.0	113.0	113.0	107.6	103.9	103.9	102.1	100.3	98.5
55°	107.6	107.6	107.6	100.3	98.5	96.6	91.2	89.3	87.5	87.5
57.5°	102.1	102.1	100.3	94.8	89.3	89.3	82.0	80.2	78.4	78.4
60°	91.2	91.2	91.2	89.3	82.0	80.2	72.9	69.3	67.5	67.5
62.5°	83.9	83.9	83.9	76.6	74.7	69.3	63.8	58.3	56.5	52.9
65°	76.6	76.6	76.6	69.3	65.6	60.2	52.9	47.4	43.8	38.3
67.5°	71.1	71.1	69.3	63.8	58.3	51.0	43.8	38.3	31.0	27.3
70°	62.0	62.0	60.2	56.5	51.0	45.6	36.5	29.2	23.7	18.2
72.5°	52.9	52.9	51.0	47.4	43.8	38.3	31.0	25.5	16.4	12.8
75°	43.8	43.8	41.9	38.3	36.5	32.8	27.3	20.1	12.8	5.5
77.5°	36.5	36.5	34.6	32.8	31.0	27.3	23.7	16.4	9.1	3.6
80°	27.3	29.2	29.2	29.2	25.5	23.7	21.9	16.4	7.3	1.8
82.5°	20.1	21.9	21.9	21.9	20.1	18.2	20.1	14.6	7.3	1.8
85°	14.6	14.6	16.4	16.4	16.4	16.4	21.9	16.4	5.5	1.8
87.5°	7.3	7.3	7.3	7.3	7.3	9.1	10.9	9.1	3.6	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°
70872.0
70483.7
70048.0
69005.1
67140.0
64416.2
60799.0
56414.3
49561.0
43185.4
36343.0
20095.0
10206.1
6483.2
4463.1
2796.7
1505.9
776.7
430.3
308.1
266.2
227.9
195.1
165.9
140.4
122.2
107.6
96.6
85.7
78.4
65.6
49.2
38.3
25.5
18.2
10.9
5.5
1.8
1.8
1.8
1.8
0.0
0.0

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