

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: P636307

Luminaire Tested: **IFLD-S-SA3A-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636307
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-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8232.2 lumens
Efficiency: N/A
Efficacy: 86.8 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

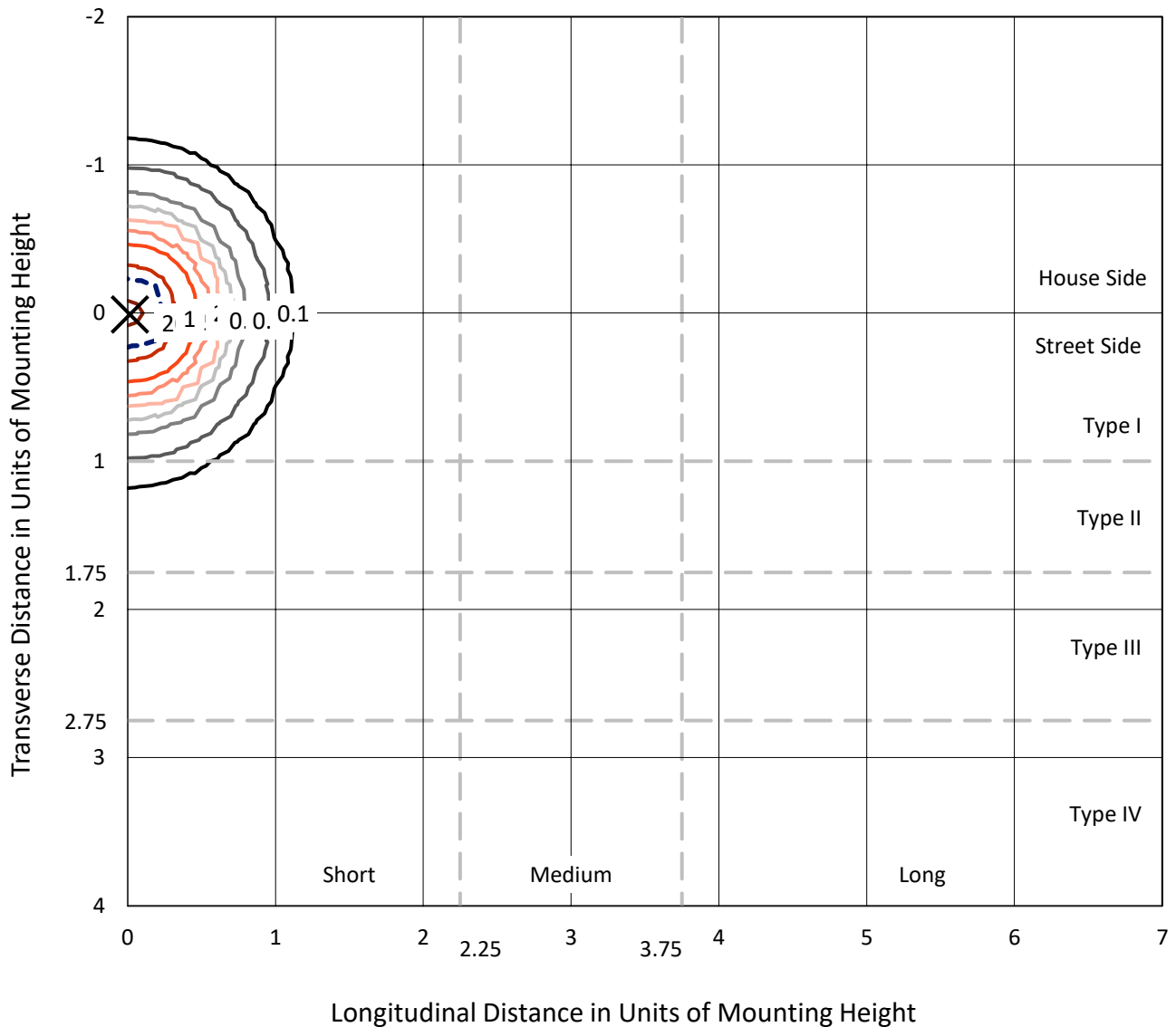
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

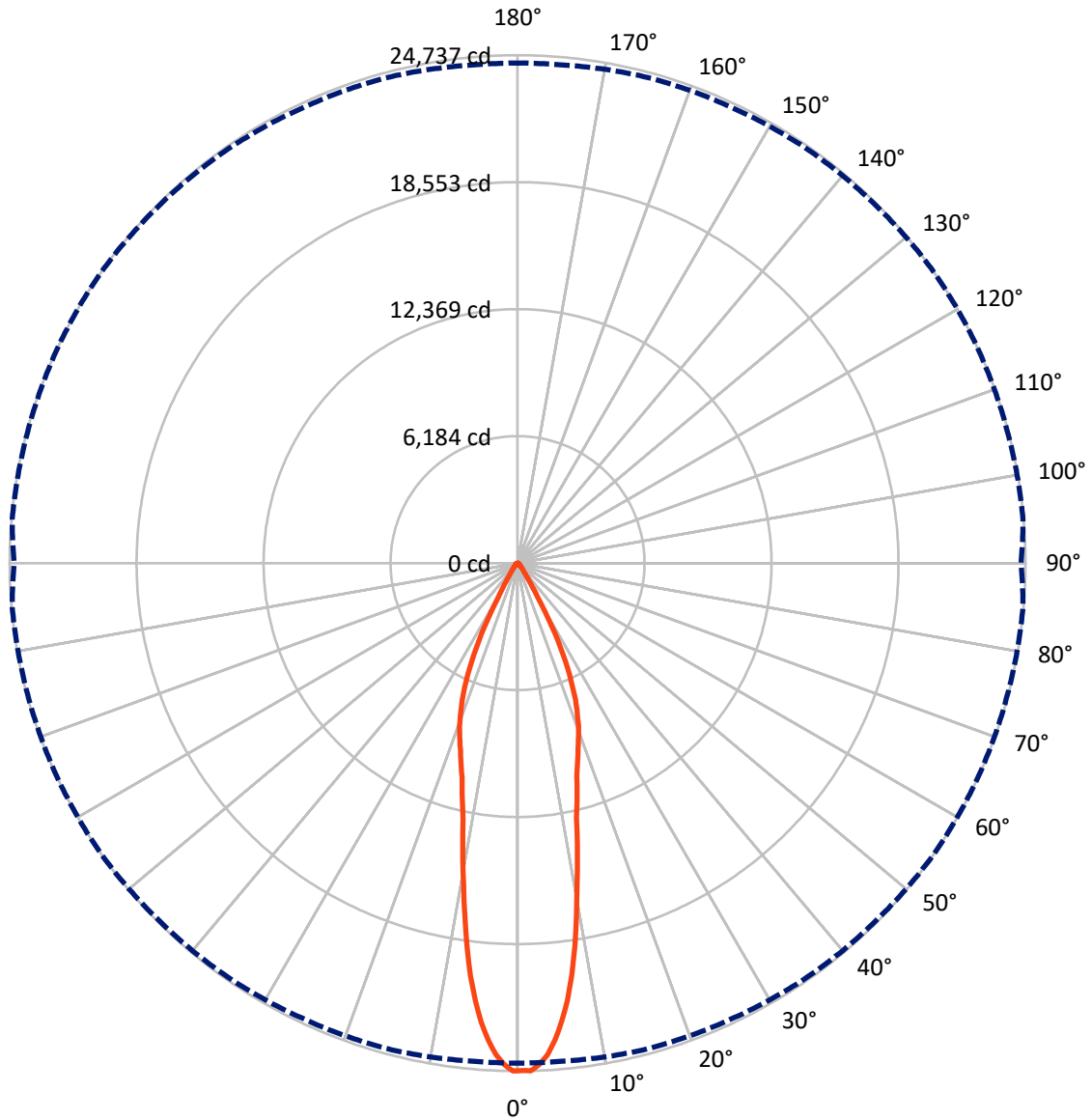
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 61.8 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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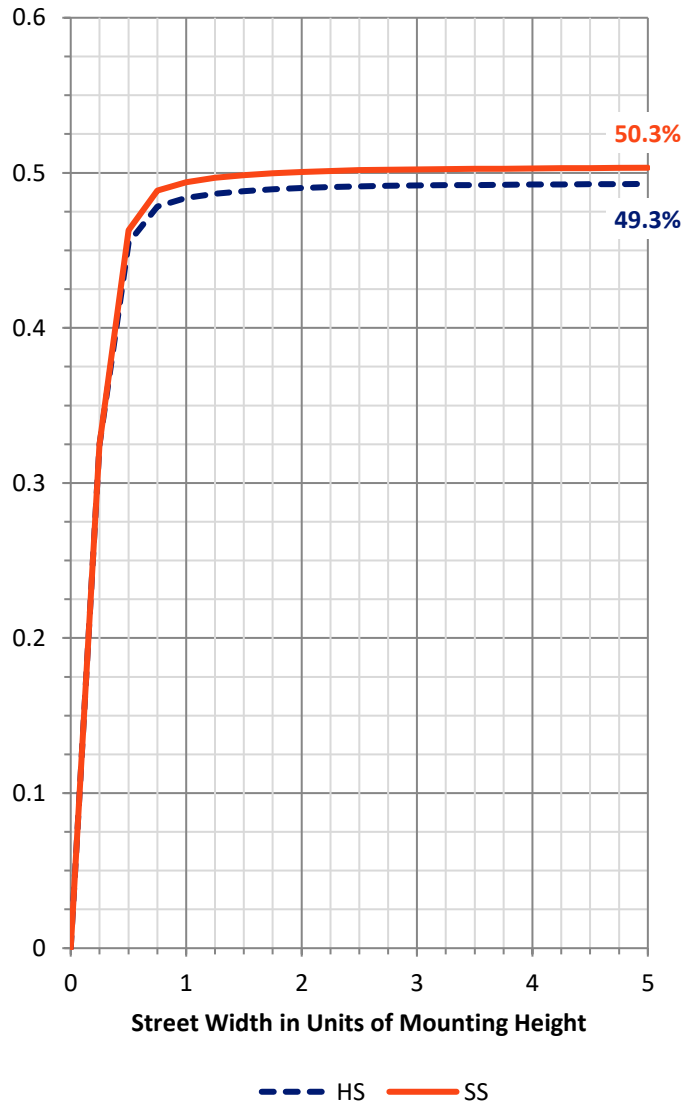
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4116.1	0.0	4116.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4116.1	0.0	4116.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8232.2	0.0	8232.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1880.0	22.8
10°-20°	3070.5	37.3
20°-30°	2399.4	29.1
30°-40°	523.0	6.4
40°-50°	154.9	1.9
50°-60°	96.8	1.2
60°-70°	67.7	0.8
70°-80°	29.1	0.4
80°-90°	10.8	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°	8232.2	100.0
0°-180°	8232.2	100.0



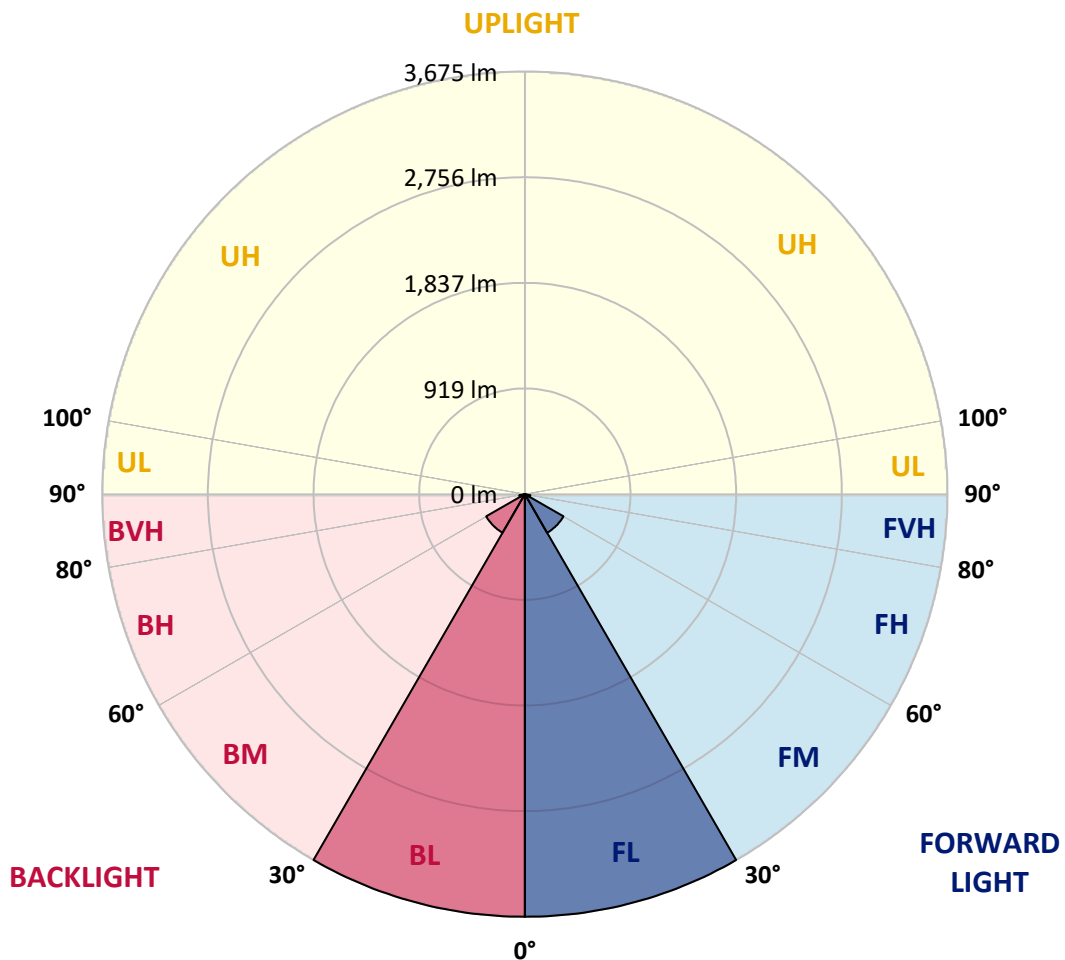
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3675.0	44.6			
FM (30°-60°)	387.4	4.7			
FH (60°-80°)	48.4	0.6			G0/660
FVH (80°-90°)	5.4	0.1			G0/10
BL (0°-30°)	3675.0	44.6	B4/5000		
BM (30°-60°)	387.4	4.7	B1/1000		
BH (60°-80°)	48.4	0.6	B0/110		G0/660
BVH (80°-90°)	5.4	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°	24709.1	24709.1	24709.1	24709.1	24709.1	24709.1	24709.1	24709.1	24709.1	24709.1
1°	24351.4	24354.4	24487.0	24516.8	24607.7	24653.9	24737.4	24728.4	24703.1	24706.1
2°	23902.8	23883.4	24007.1	24144.2	24253.0	24342.5	24442.3	24463.2	24439.3	24461.7
3°	23165.1	23136.8	23309.7	23481.1	23670.3	23823.8	23974.4	23980.3	23952.0	23950.5
4°	22194.9	22142.8	22348.4	22654.0	22892.4	23096.6	23284.3	23281.4	23242.6	23273.9
5°	21022.1	20956.5	21223.3	21625.7	21978.9	22224.7	22431.9	22382.7	22293.3	22297.8
6°	19582.5	19646.5	19972.9	20537.7	20955.0	21159.2	21414.0	21321.6	21166.6	21150.2
7°	18229.3	18373.8	18634.6	19315.7	19812.0	20026.6	20242.7	20056.4	19846.2	19812.0
8°	16804.6	17046.0	17406.6	18034.0	18563.1	18779.2	18861.2	18661.5	18436.4	18427.5
9°	15649.6	15815.0	16125.0	16677.9	17215.9	17360.4	17378.3	17203.9	16978.9	16993.8
10°	14598.9	14630.2	14898.5	15373.9	15804.6	15907.4	15902.9	15776.2	15591.5	15640.6
12.5°	12247.2	12332.2	12409.7	12561.7	12706.2	12773.3	12748.0	12695.8	12594.5	12598.9
15°	10651.1	10649.6	10658.6	10728.6	10771.8	10779.3	10779.3	10713.7	10670.5	10734.6
17.5°	9242.8	9320.3	9458.9	9515.5	9572.2	9551.3	9512.5	9482.7	9454.4	9509.6
20°	8147.4	8181.7	8183.2	8220.5	8506.6	8521.5	8472.3	8387.4	8315.8	8302.4
22.5°	6915.0	6967.1	6989.5	7022.3	7052.1	7269.7	7211.5	7074.4	6989.5	6964.1
25°	5190.7	5172.8	5318.9	5587.1	5630.3	5657.2	5642.3	5570.7	5515.6	5526.0
27.5°	3587.1	3618.4	3612.5	3615.5	3900.1	3898.6	3894.1	3831.5	3815.2	3791.3
30°	2005.9	1991.0	1998.5	1979.1	1938.9	1988.1	1909.1	1976.1	1910.6	1931.4
32.5°	1186.3	1175.8	1165.4	1169.9	1140.1	1067.1	1035.8	1082.0	1067.1	1061.1
35°	757.1	761.5	775.0	773.5	746.6	704.9	660.2	701.9	696.0	678.1
37.5°	482.9	482.9	487.3	526.1	503.7	468.0	436.7	454.5	453.0	450.1
40°	342.8	342.8	348.7	359.2	347.2	329.4	311.5	311.5	314.5	305.5
42.5°	254.8	254.8	260.8	266.8	251.9	245.9	237.0	231.0	238.4	231.0
45°	199.7	198.2	199.7	196.7	187.8	187.8	180.3	171.4	180.3	175.9
47.5°	163.9	162.4	161.0	155.0	146.0	147.5	144.6	137.1	141.6	140.1
50°	143.1	140.1	141.6	135.6	128.2	126.7	126.7	119.2	120.7	120.7
52.5°	125.2	125.2	123.7	120.7	117.7	111.8	113.3	105.8	105.8	105.8
55°	117.7	117.7	114.8	108.8	110.3	105.8	101.3	96.9	95.4	95.4
57.5°	116.2	116.2	114.8	108.8	104.3	102.8	96.9	90.9	86.4	87.9
60°	113.3	113.3	110.3	108.8	101.3	98.4	89.4	84.9	79.0	79.0
62.5°	108.8	107.3	101.3	92.4	92.4	84.9	79.0	70.0	65.6	64.1
65°	92.4	90.9	86.4	79.0	74.5	70.0	61.1	52.2	49.2	44.7
67.5°	76.0	76.0	73.0	65.6	62.6	56.6	46.2	40.2	32.8	29.8
70°	62.6	62.6	59.6	55.1	52.2	44.7	35.8	29.8	22.4	19.4
72.5°	50.7	50.7	47.7	44.7	41.7	37.3	29.8	22.4	14.9	11.9
75°	40.2	40.2	38.7	35.8	32.8	29.8	23.8	17.9	10.4	6.0
77.5°	32.8	32.8	31.3	29.8	26.8	23.8	19.4	14.9	7.5	3.0
80°	25.3	25.3	25.3	25.3	22.4	19.4	16.4	11.9	6.0	1.5
82.5°	17.9	17.9	19.4	22.4	17.9	14.9	14.9	11.9	4.5	1.5
85°	11.9	13.4	14.9	13.4	11.9	11.9	20.9	19.4	4.5	1.5
87.5°	6.0	6.0	6.0	6.0	6.0	4.5	6.0	4.5	3.0	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°
24709.1
24522.8
24285.8
23820.9
23126.4
22080.2
20932.7
19649.5
18101.1
16771.8
15467.8
12451.4
10585.6
9382.9
8216.0
6873.2
5490.2
3704.9
1956.8
1046.2
658.7
444.1
302.5
229.5
175.9
140.1
122.2
105.8
93.9
87.9
74.5
61.1
43.2
28.3
17.9
10.4
4.5
3.0
1.5
1.5
1.5
0.0
0.0

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