

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: P636309

Luminaire Tested: **IFLD-S-SA3C-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636309
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-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: 12673.9 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

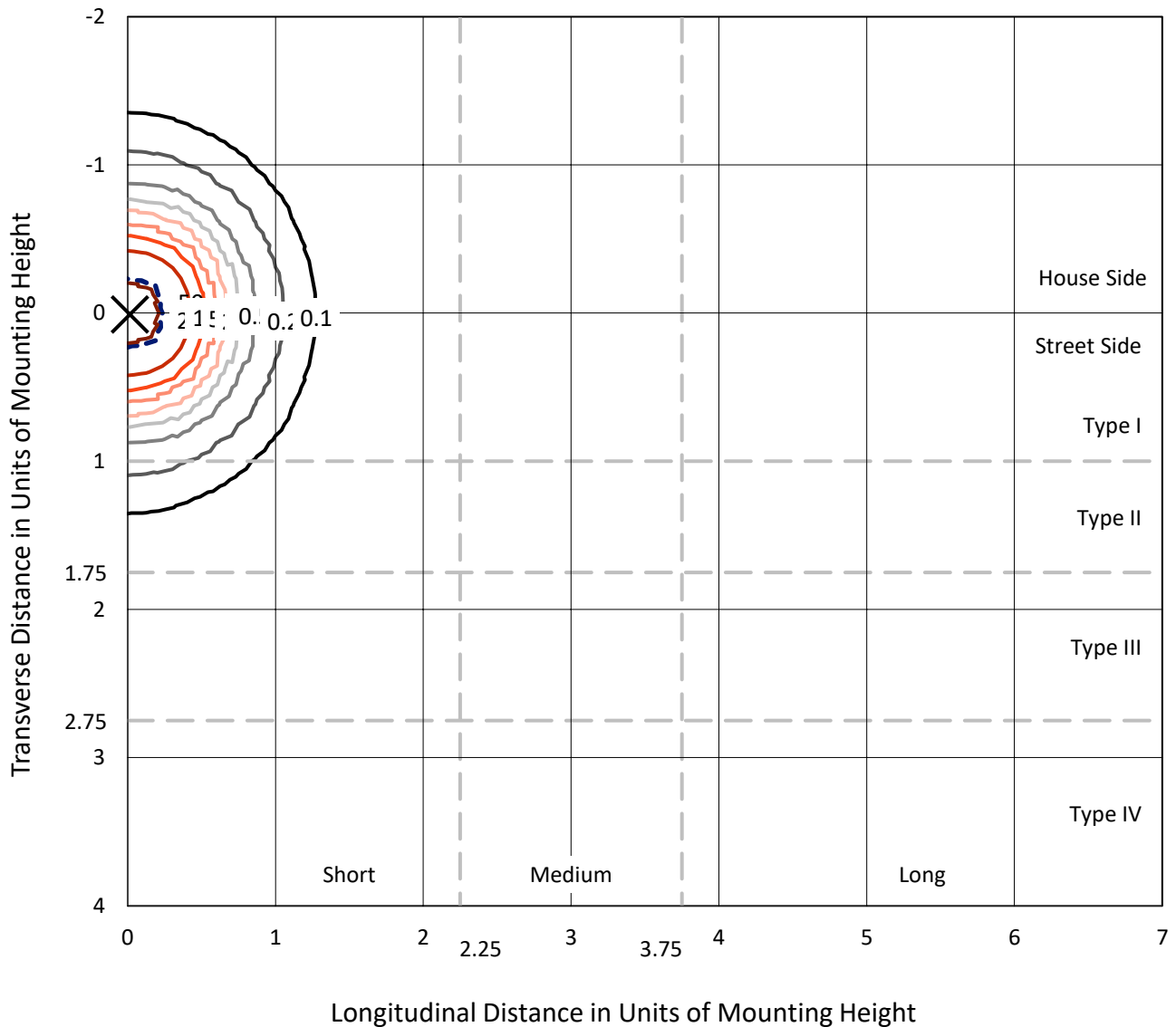
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

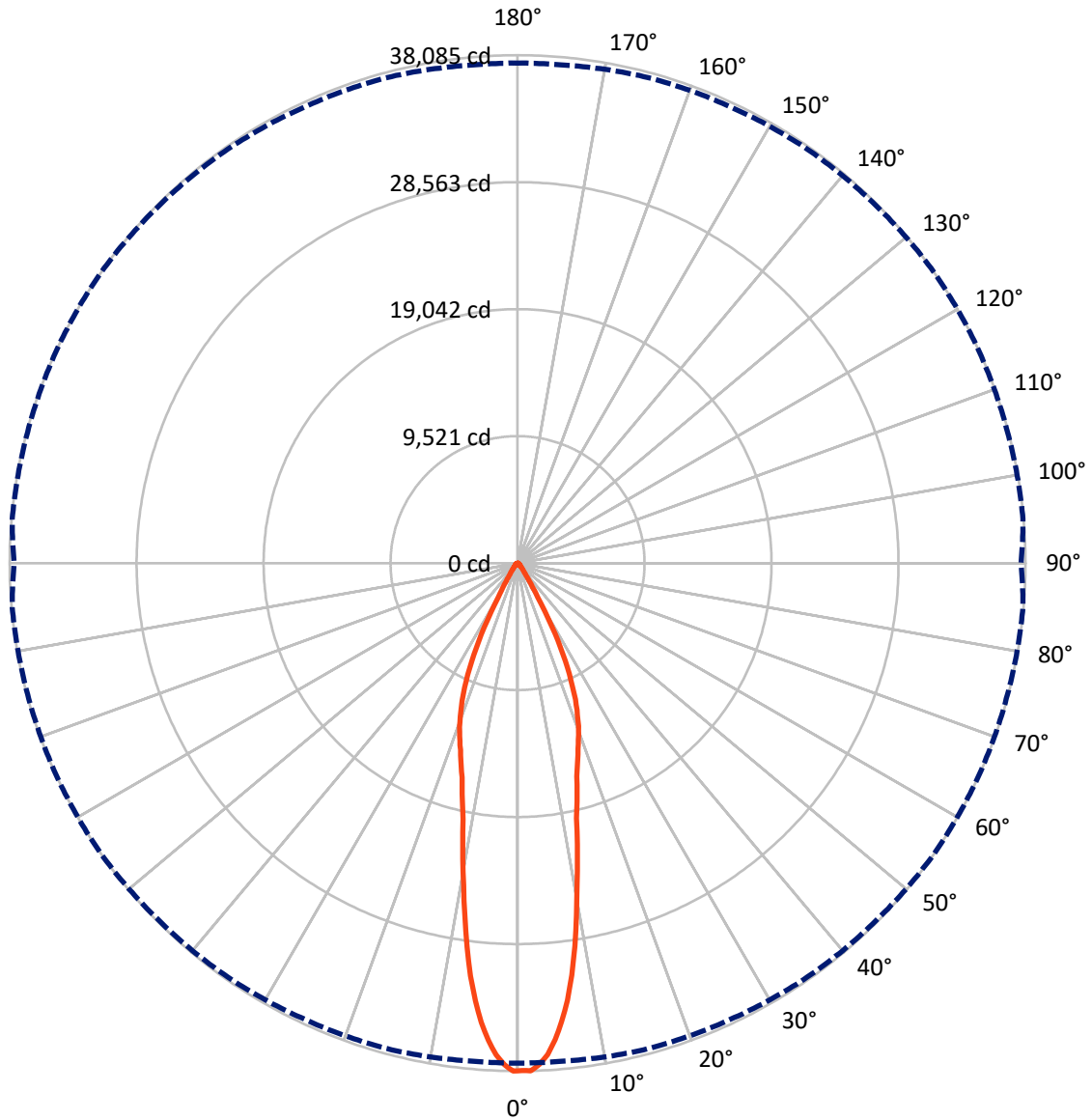
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 95.1 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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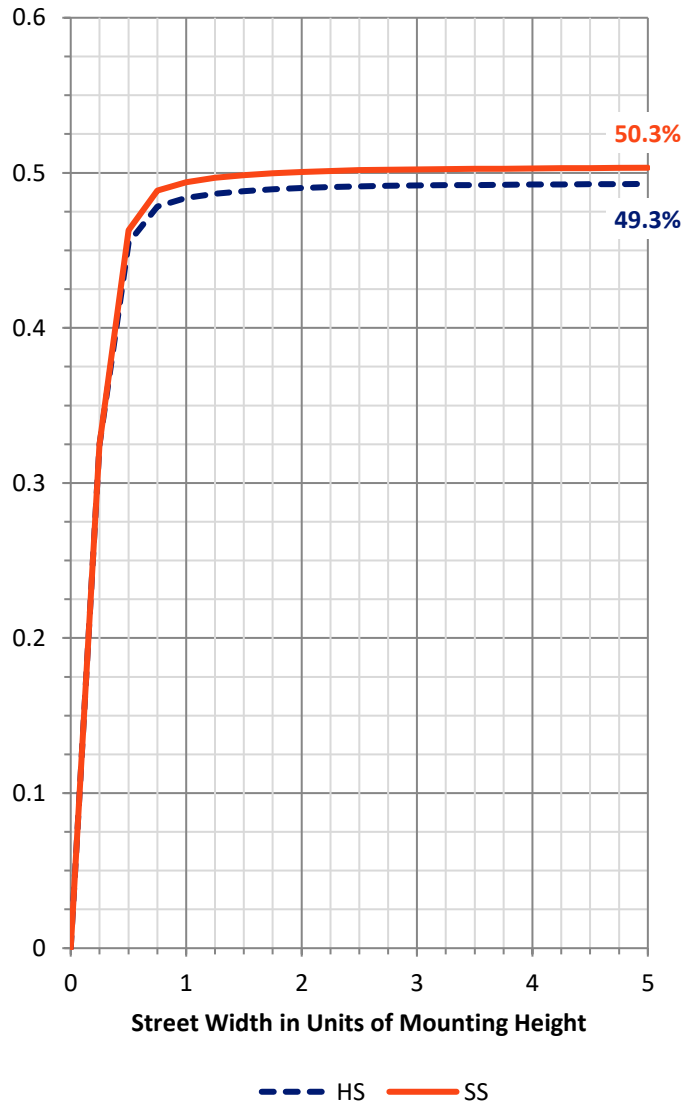
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6337.0	0.0	6337.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6337.0	0.0	6337.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12673.9	0.0	12673.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2894.4	22.8
10°-20°	4727.3	37.3
20°-30°	3694.0	29.1
30°-40°	805.2	6.4
40°-50°	238.4	1.9
50°-60°	149.1	1.2
60°-70°	104.3	0.8
70°-80°	44.7	0.4
80°-90°	16.5	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°	12673.9	100.0
0°-180°	12673.9	100.0



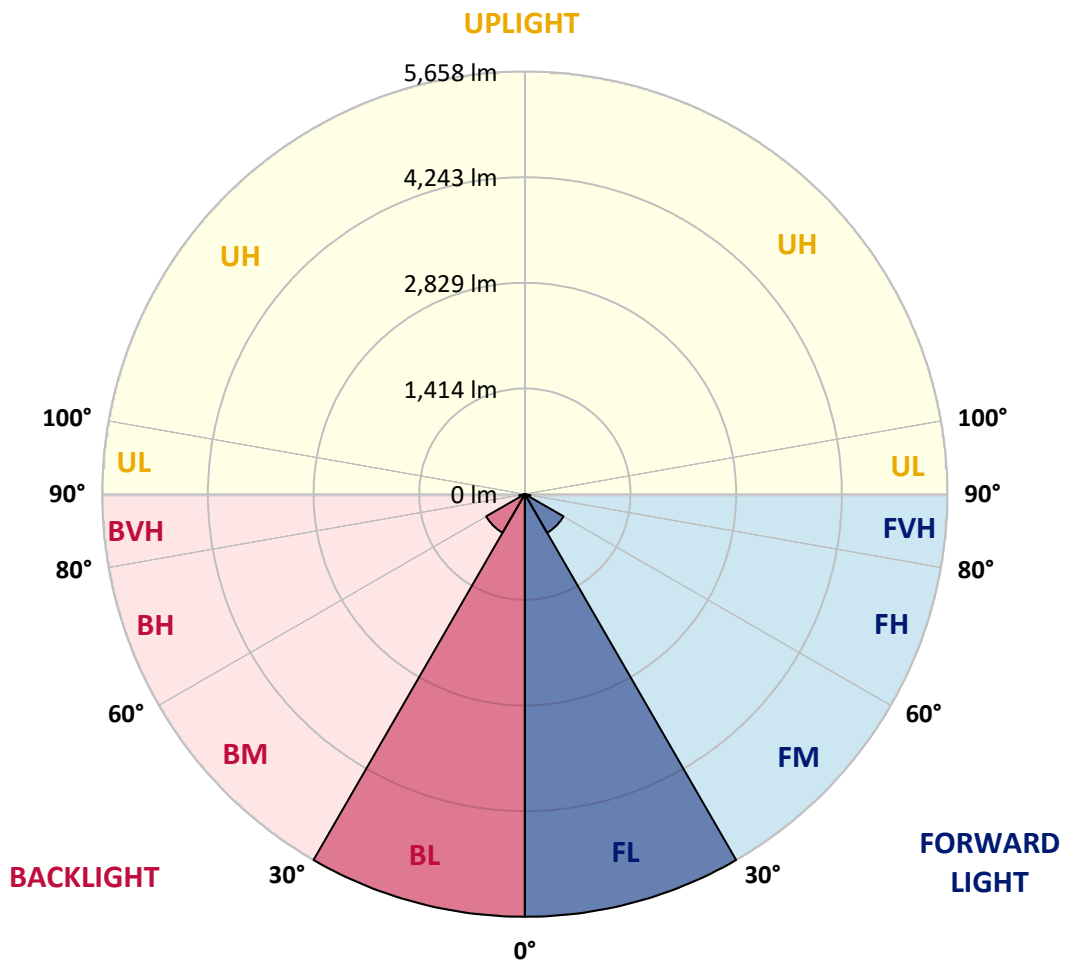
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5657.8	44.6			
FM	(30°-60°)	596.3	4.7			
FH	(60°-80°)	74.5	0.6			G0/660
FVH	(80°-90°)	8.3	0.1			G0/10
BL	(0°-30°)	5657.8	44.6	B5		
BM	(30°-60°)	596.3	4.7	B1/1000		
BH	(60°-80°)	74.5	0.6	B0/110		G0/660
BVH	(80°-90°)	8.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	38040.9	38040.9	38040.9	38040.9	38040.9	38040.9	38040.9	38040.9	38040.9	38040.9
1°	37490.3	37494.9	37699.1	37744.9	37884.9	37956.0	38084.5	38070.7	38031.7	38036.3
2°	36799.7	36769.8	36960.3	37171.3	37338.8	37476.5	37630.2	37662.3	37625.6	37660.1
3°	35663.9	35620.3	35886.5	36150.3	36441.7	36678.1	36909.8	36919.0	36875.4	36873.1
4°	34170.3	34090.0	34406.6	34877.0	35244.1	35558.4	35847.5	35842.9	35783.2	35831.4
5°	32364.6	32263.7	32674.4	33293.8	33837.6	34216.2	34535.1	34459.4	34321.7	34328.6
6°	30148.2	30246.9	30749.4	31618.9	32261.4	32575.7	32968.0	32825.8	32587.2	32561.9
7°	28064.9	28287.5	28689.0	29737.5	30501.6	30832.0	31164.6	30877.8	30554.3	30501.6
8°	25871.5	26243.2	26798.4	27764.4	28578.9	28911.6	29037.8	28730.3	28383.9	28370.1
9°	24093.3	24348.0	24825.3	25676.5	26504.7	26727.3	26754.8	26486.4	26139.9	26162.9
10°	22475.8	22524.0	22937.0	23668.9	24332.0	24490.3	24483.4	24288.4	24003.9	24079.6
12.5°	18855.3	18986.0	19105.4	19339.4	19561.9	19665.2	19626.2	19545.9	19389.9	19396.7
15°	16398.0	16395.7	16409.4	16517.3	16583.8	16595.3	16595.3	16494.3	16427.8	16526.5
17.5°	14229.8	14349.1	14562.5	14649.7	14736.8	14704.7	14645.1	14599.2	14555.6	14640.5
20°	12543.4	12596.2	12598.5	12655.8	13096.4	13119.3	13043.6	12912.8	12802.7	12782.0
22.5°	10646.0	10726.3	10760.7	10811.1	10857.0	11192.0	11102.5	10891.5	10760.7	10721.7
25°	7991.3	7963.8	8188.7	8601.7	8668.2	8709.5	8686.5	8576.4	8491.5	8507.6
27.5°	5522.6	5570.8	5561.6	5566.2	6004.4	6002.1	5995.2	5898.9	5873.6	5836.9
30°	3088.2	3065.3	3076.8	3046.9	2985.0	3060.7	2939.1	3042.4	2941.4	2973.5
32.5°	1826.3	1810.3	1794.2	1801.1	1755.2	1642.8	1594.6	1665.7	1642.8	1633.6
35°	1165.5	1172.4	1193.1	1190.8	1149.5	1085.2	1016.4	1080.7	1071.5	1043.9
37.5°	743.4	743.4	750.3	809.9	775.5	720.4	672.3	699.8	697.5	692.9
40°	527.7	527.7	536.9	552.9	534.6	507.1	479.5	479.5	484.1	470.3
42.5°	392.3	392.3	401.5	410.7	387.8	378.6	364.8	355.6	367.1	355.6
45°	307.4	305.2	307.4	302.9	289.1	289.1	277.6	263.9	277.6	270.7
47.5°	252.4	250.1	247.8	238.6	224.8	227.1	222.6	211.1	218.0	215.7
50°	220.3	215.7	218.0	208.8	197.3	195.0	195.0	183.6	185.8	185.8
52.5°	192.7	192.7	190.4	185.8	181.3	172.1	174.4	162.9	162.9	162.9
55°	181.3	181.3	176.7	167.5	169.8	162.9	156.0	149.1	146.8	146.8
57.5°	179.0	179.0	176.7	167.5	160.6	158.3	149.1	140.0	133.1	135.4
60°	174.4	174.4	169.8	167.5	156.0	151.4	137.7	130.8	121.6	121.6
62.5°	167.5	165.2	156.0	142.3	142.3	130.8	121.6	107.8	101.0	98.7
65°	142.3	140.0	133.1	121.6	114.7	107.8	94.1	80.3	75.7	68.8
67.5°	117.0	117.0	112.4	101.0	96.4	87.2	71.1	61.9	50.5	45.9
70°	96.4	96.4	91.8	84.9	80.3	68.8	55.1	45.9	34.4	29.8
72.5°	78.0	78.0	73.4	68.8	64.2	57.4	45.9	34.4	22.9	18.4
75°	61.9	61.9	59.7	55.1	50.5	45.9	36.7	27.5	16.1	9.2
77.5°	50.5	50.5	48.2	45.9	41.3	36.7	29.8	22.9	11.5	4.6
80°	39.0	39.0	39.0	39.0	34.4	29.8	25.2	18.4	9.2	2.3
82.5°	27.5	27.5	29.8	34.4	27.5	22.9	22.9	18.4	6.9	2.3
85°	18.4	20.6	22.9	20.6	18.4	18.4	32.1	29.8	6.9	2.3
87.5°	9.2	9.2	9.2	9.2	9.2	6.9	9.2	6.9	4.6	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°
38040.9
37754.1
37389.3
36673.5
35604.3
33993.6
32226.9
30251.5
27867.6
25821.0
23813.4
19169.6
16297.0
14445.5
12649.0
10581.7
8452.5
5703.8
3012.5
1610.7
1014.1
683.7
465.8
353.3
270.7
215.7
188.1
162.9
144.5
135.4
114.7
94.1
66.5
43.6
27.5
16.1
6.9
4.6
2.3
2.3
2.3
0.0
0.0

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