

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: P636311

Luminaire Tested: **IFLD-S-SA3E-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636311
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-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: 16139.1 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

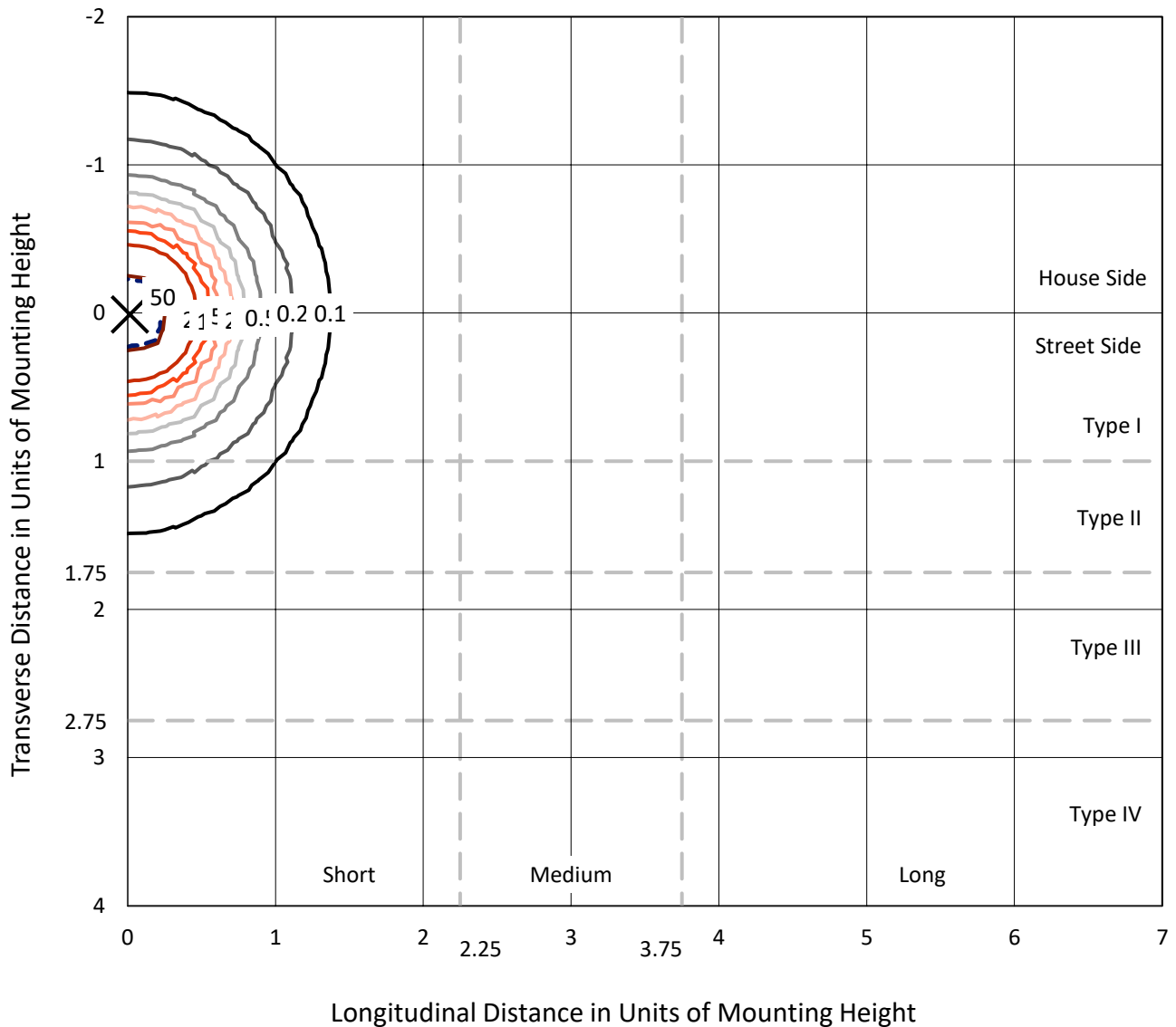
Input Watts (W): 232.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

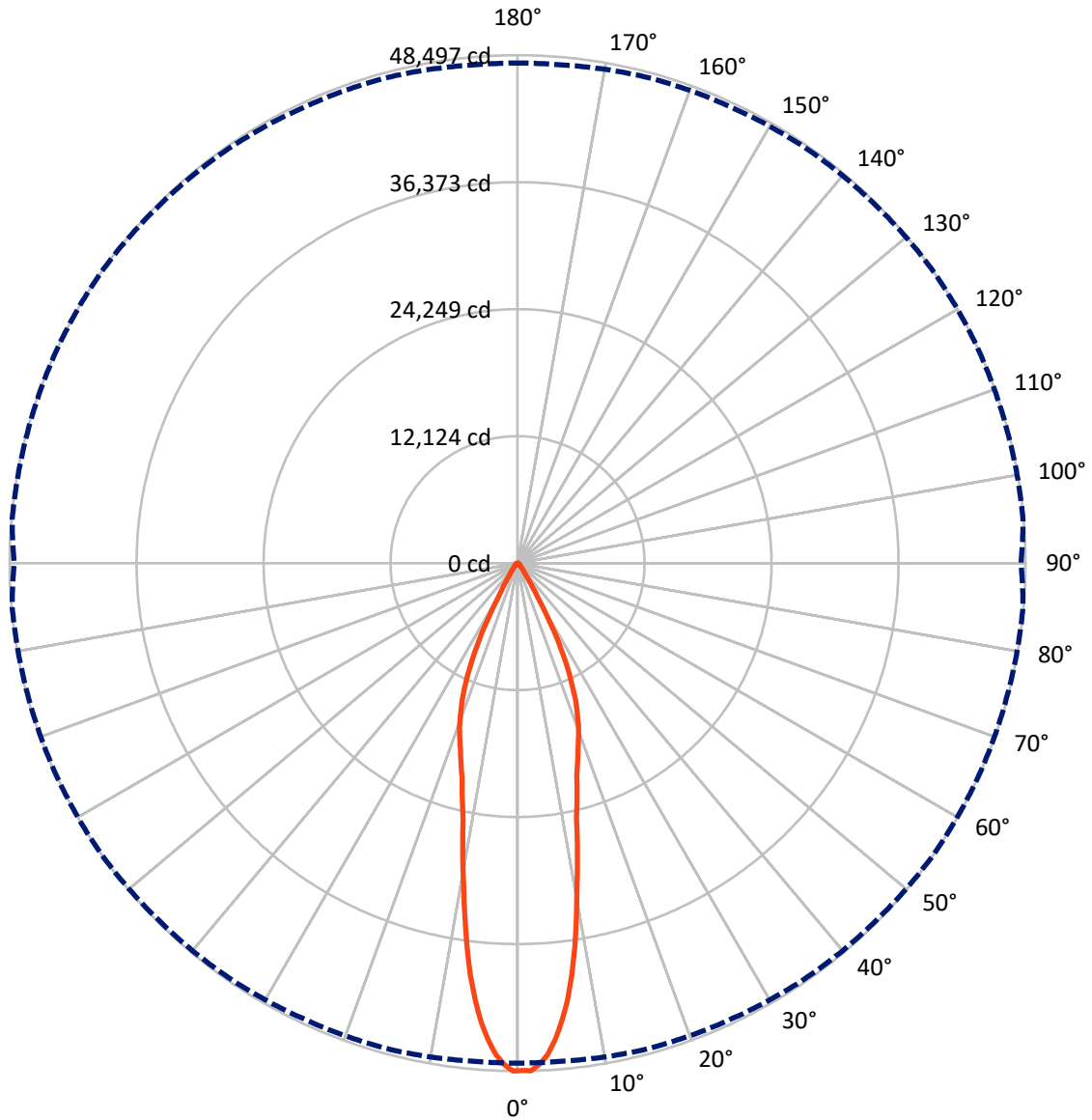
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 121.1 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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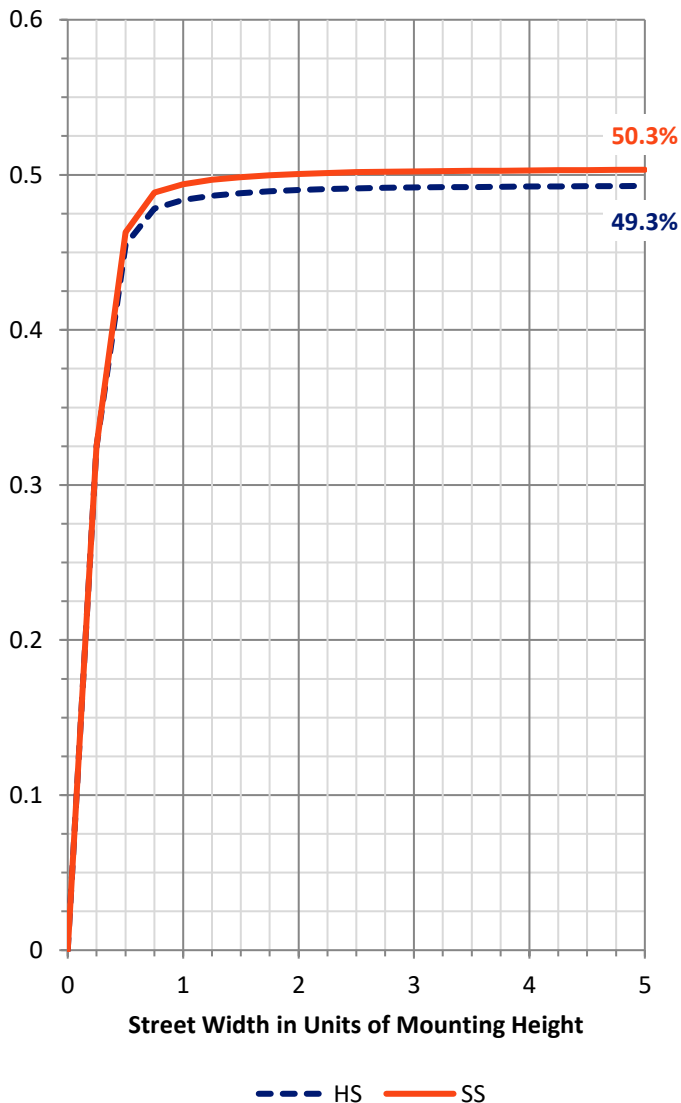
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8069.6	0.0	8069.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8069.6	0.0	8069.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16139.1	0.0	16139.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3685.7	22.8
10°-20°	6019.8	37.3
20°-30°	4704.0	29.1
30°-40°	1025.3	6.4
40°-50°	303.6	1.9
50°-60°	189.9	1.2
60°-70°	132.8	0.8
70°-80°	57.0	0.4
80°-90°	21.1	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°	16139.1	100.0
0°-180°	16139.1	100.0



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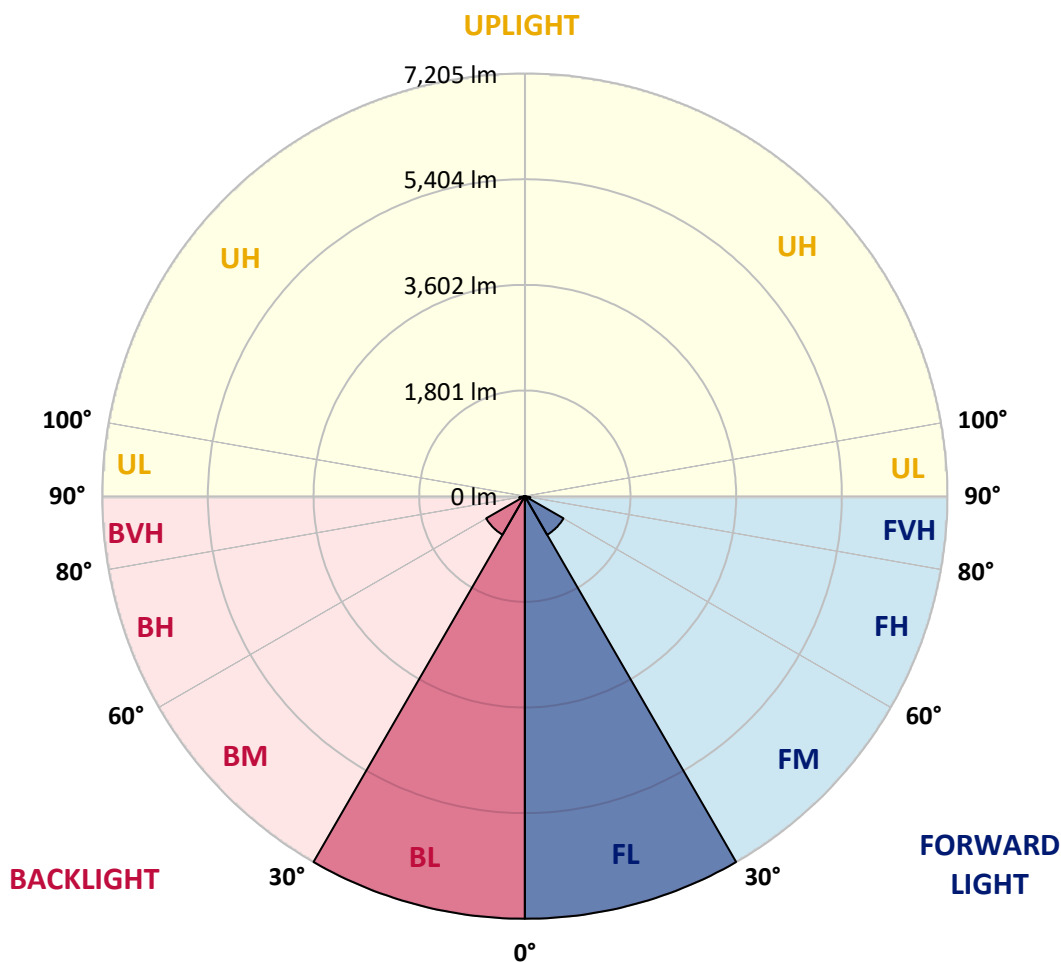
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7204.8	44.6			
FM (30°-60°)	759.4	4.7			
FH (60°-80°)	94.9	0.6			G0/660
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	7204.8	44.6	B5		
BM (30°-60°)	759.4	4.7	B1/1000		
BH (60°-80°)	94.9	0.6	B0/110		G0/660
BVH (80°-90°)	10.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	48441.7	48441.7	48441.7	48441.7	48441.7	48441.7	48441.7	48441.7	48441.7	48441.7
1°	47740.5	47746.3	48006.4	48064.8	48243.0	48333.6	48497.2	48479.7	48430.0	48435.9
2°	46861.1	46823.1	47065.6	47334.4	47547.7	47723.0	47918.7	47959.6	47912.9	47956.7
3°	45414.8	45359.3	45698.2	46034.2	46405.3	46706.2	47001.3	47013.0	46957.5	46954.6
4°	43512.8	43410.5	43813.7	44412.7	44880.1	45280.4	45648.6	45642.7	45566.7	45628.1
5°	41213.4	41084.9	41607.9	42396.7	43089.2	43571.2	43977.3	43880.9	43705.6	43714.4
6°	38391.1	38516.7	39156.5	40263.9	41081.9	41482.2	41981.8	41800.7	41496.8	41464.7
7°	35738.2	36021.6	36532.9	37868.1	38841.0	39261.7	39685.4	39320.2	38908.2	38841.0
8°	32945.0	33418.3	34125.4	35355.4	36392.6	36816.3	36977.0	36585.5	36144.3	36126.8
9°	30680.7	31005.0	31612.7	32696.7	33751.4	34034.8	34069.9	33728.0	33286.9	33316.1
10°	28620.9	28682.3	29208.2	30140.2	30984.6	31186.2	31177.4	30929.1	30566.8	30663.2
12.5°	24010.5	24177.0	24329.0	24627.0	24910.4	25041.8	24992.2	24889.9	24691.2	24700.0
15°	20881.4	20878.4	20896.0	21033.3	21118.0	21132.6	21132.6	21004.1	20919.3	21045.0
17.5°	18120.3	18272.3	18544.0	18655.0	18766.0	18725.1	18649.2	18590.7	18535.2	18643.3
20°	15972.9	16040.1	16043.0	16116.1	16677.0	16706.2	16609.8	16443.3	16303.1	16276.8
22.5°	13556.7	13658.9	13702.7	13767.0	13825.5	14252.0	14138.1	13869.3	13702.7	13653.1
25°	10176.3	10141.2	10427.5	10953.4	11038.2	11090.8	11061.5	10921.3	10813.2	10833.6
27.5°	7032.5	7093.9	7082.2	7088.0	7646.1	7643.2	7634.4	7511.7	7479.5	7432.8
30°	3932.6	3903.4	3918.0	3880.0	3801.1	3897.5	3742.7	3874.2	3745.6	3786.5
32.5°	2325.7	2305.2	2284.8	2293.5	2235.1	2091.9	2030.6	2121.2	2091.9	2080.2
35°	1484.2	1493.0	1519.3	1516.4	1463.8	1382.0	1294.3	1376.1	1364.4	1329.4
37.5°	946.6	946.6	955.4	1031.4	987.5	917.4	856.1	891.1	888.2	882.4
40°	672.0	672.0	683.7	704.1	680.8	645.7	610.6	610.6	616.5	598.9
42.5°	499.6	499.6	511.3	523.0	493.8	482.1	464.5	452.9	467.5	452.9
45°	391.5	388.6	391.5	385.7	368.1	368.1	353.5	336.0	353.5	344.8
47.5°	321.4	318.5	315.5	303.9	286.3	289.2	283.4	268.8	277.6	274.6
50°	280.5	274.6	277.6	265.9	251.3	248.3	248.3	233.7	236.7	236.7
52.5°	245.4	245.4	242.5	236.7	230.8	219.1	222.0	207.4	207.4	207.4
55°	230.8	230.8	225.0	213.3	216.2	207.4	198.7	189.9	187.0	187.0
57.5°	227.9	227.9	225.0	213.3	204.5	201.6	189.9	178.2	169.5	172.4
60°	222.0	222.0	216.2	213.3	198.7	192.8	175.3	166.5	154.8	154.8
62.5°	213.3	210.4	198.7	181.1	181.1	166.5	154.8	137.3	128.6	125.6
65°	181.1	178.2	169.5	154.8	146.1	137.3	119.8	102.3	96.4	87.7
67.5°	149.0	149.0	143.2	128.6	122.7	111.0	90.6	78.9	64.3	58.4
70°	122.7	122.7	116.9	108.1	102.3	87.7	70.1	58.4	43.8	38.0
72.5°	99.3	99.3	93.5	87.7	81.8	73.0	58.4	43.8	29.2	23.4
75°	78.9	78.9	76.0	70.1	64.3	58.4	46.7	35.1	20.5	11.7
77.5°	64.3	64.3	61.4	58.4	52.6	46.7	38.0	29.2	14.6	5.8
80°	49.7	49.7	49.7	49.7	43.8	38.0	32.1	23.4	11.7	2.9
82.5°	35.1	35.1	38.0	43.8	35.1	29.2	29.2	23.4	8.8	2.9
85°	23.4	26.3	29.2	26.3	23.4	23.4	40.9	38.0	8.8	2.9
87.5°	11.7	11.7	11.7	11.7	11.7	8.8	11.7	8.8	5.8	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°
48441.7
48076.5
47611.9
46700.4
45338.9
43287.8
41038.1
38522.5
35486.9
32880.8
30324.3
24410.8
20752.8
18395.0
16107.3
13474.9
10763.5
7263.3
3836.2
2051.0
1291.4
870.7
593.1
449.9
344.8
274.6
239.6
207.4
184.1
172.4
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84.7
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