

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: P524148

Luminaire Tested: **IFLD-S-SA3E-935-U-66**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524148
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

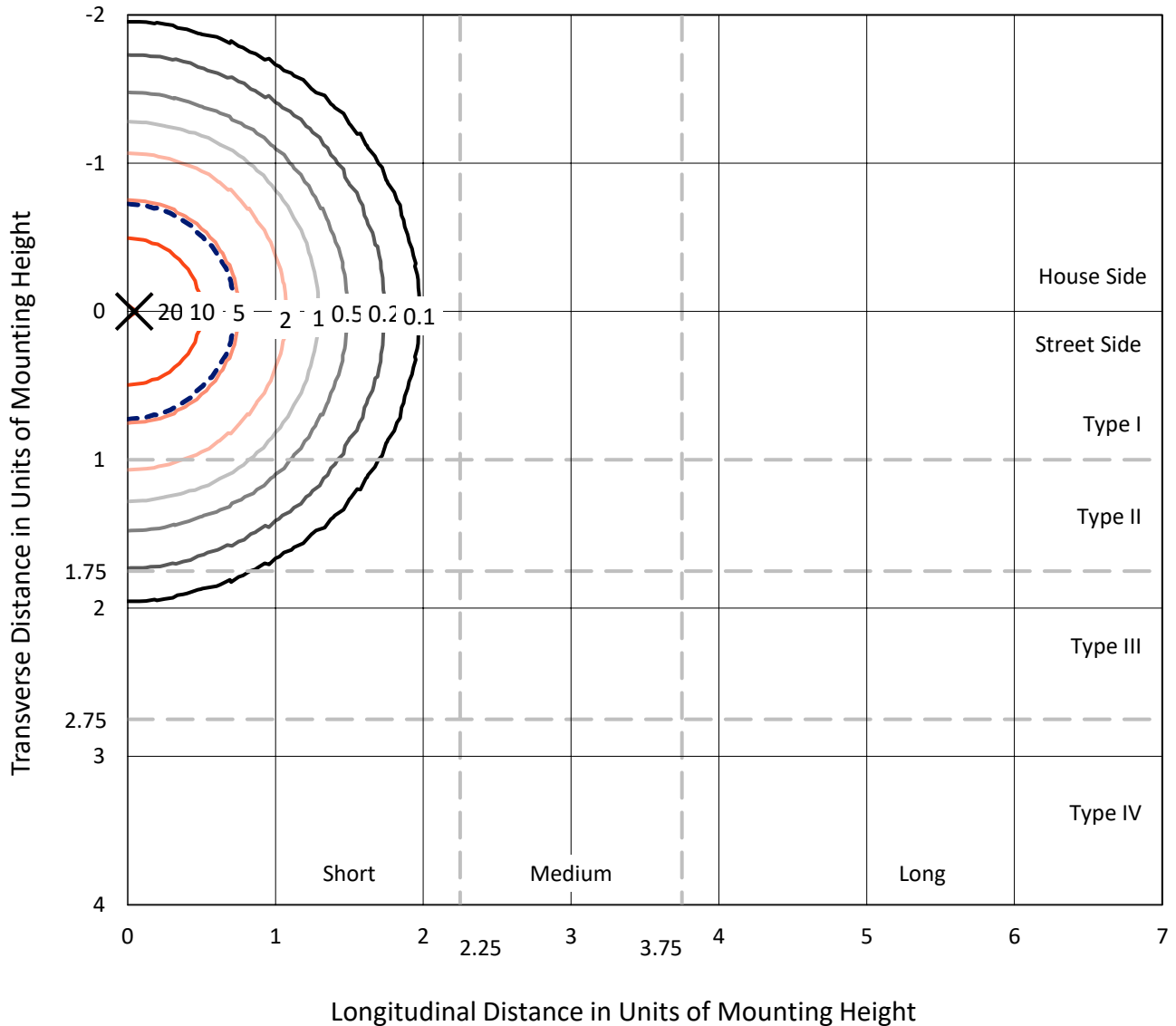
Lumens per Lamp: N/A
Luminaire Lumens: 18583 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

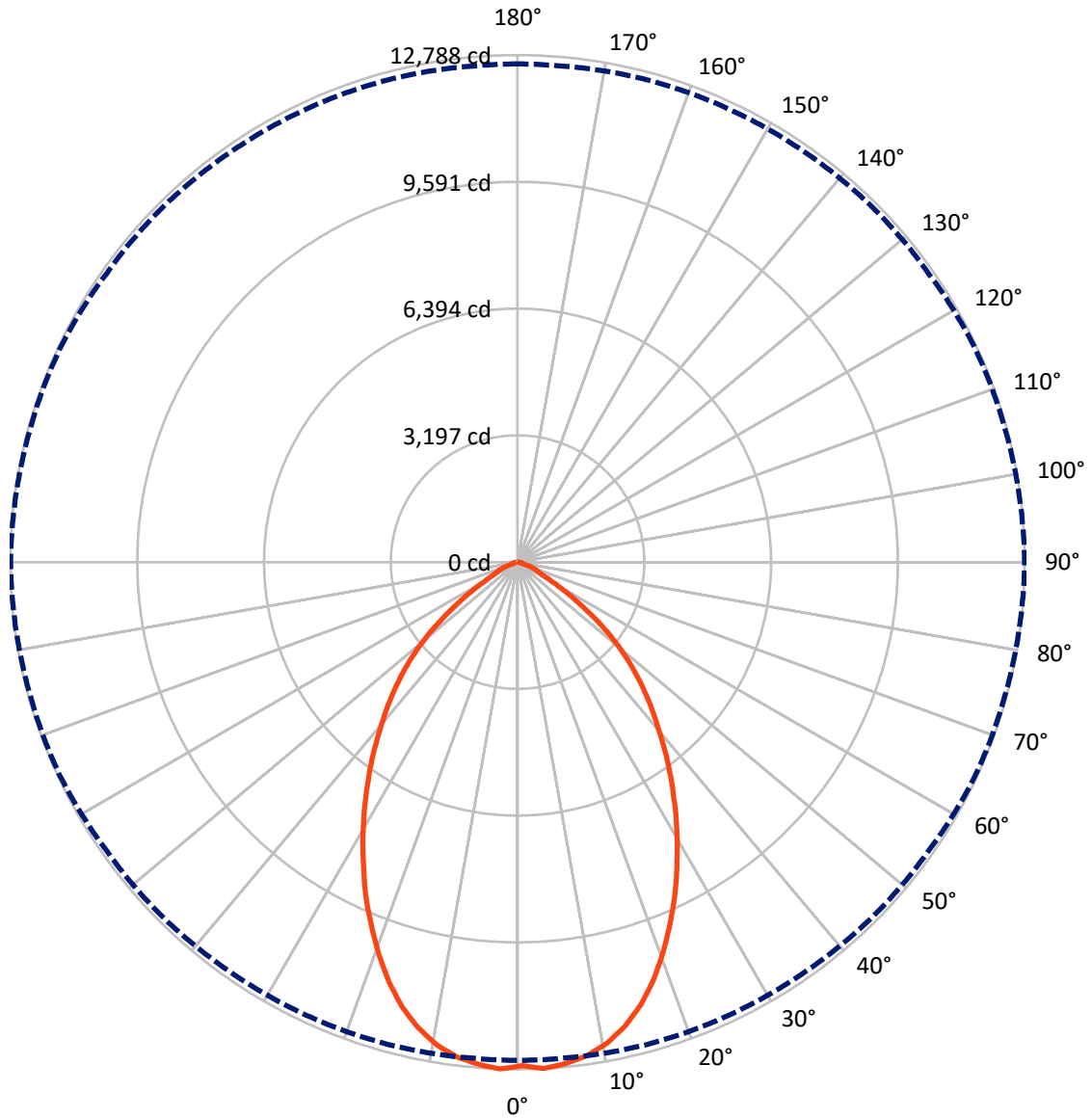
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9291.5	0.0	9291.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9291.5	0.0	9291.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18583.0	0.0	18583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1192.4	6.4
10°-20°	3204.1	17.2
20°-30°	4145.4	22.3
30°-40°	4088.4	22.0
40°-50°	3307.7	17.8
50°-60°	1800.9	9.7
60°-70°	570.6	3.1
70°-80°	220.8	1.2
80°-90°	52.8	0.3
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°	18583.0	100.0
0°-180°	18583.0	100.0

Coefficient of Utilization



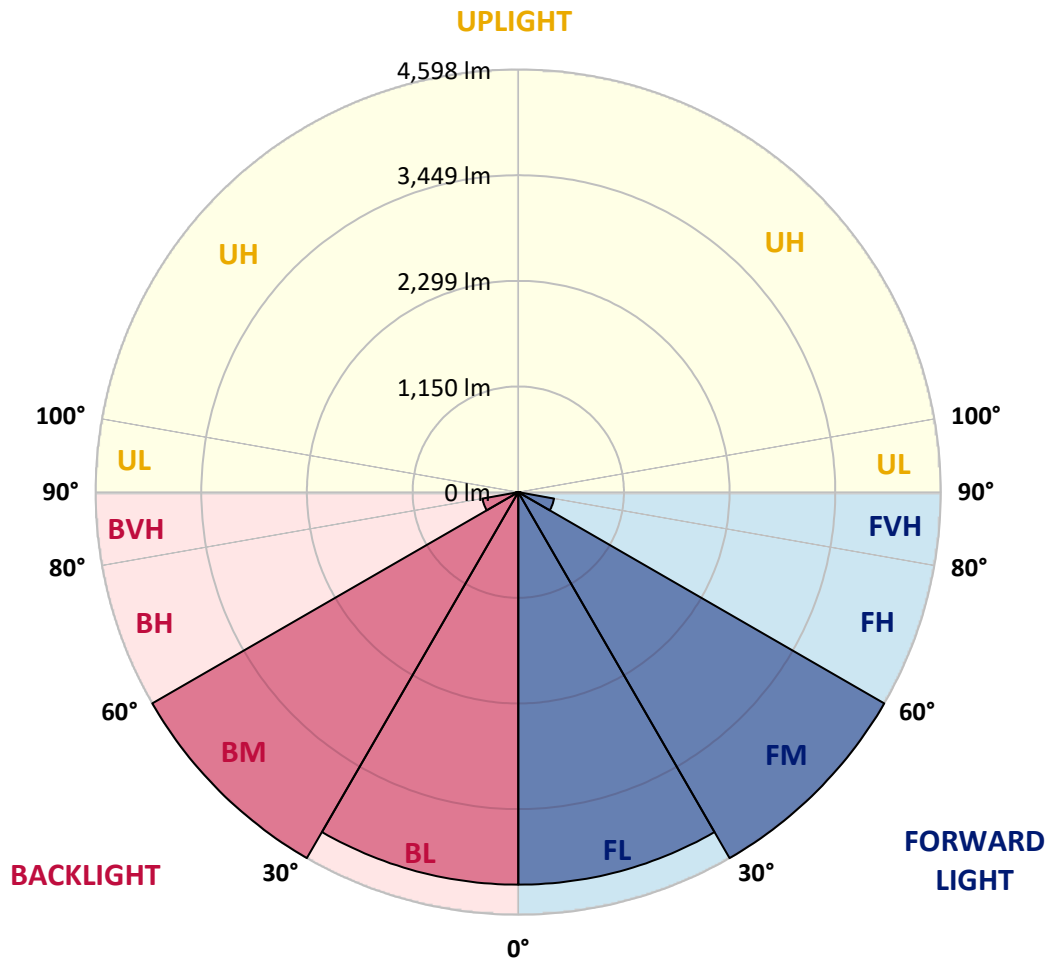
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4271.0	23.0			
FM (30°-60°)	4598.5	24.7			
FH (60°-80°)	395.7	2.1			G0/660
FVH (80°-90°)	26.4	0.1			G1/100
BL (0°-30°)	4271.0	23.0	B4/5000		
BM (30°-60°)	4598.5	24.7	B3/5000		
BH (60°-80°)	395.7	2.1	B1/500		G0/660
BVH (80°-90°)	26.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	12702.0	12702.0	12702.0	12702.0	12702.0	12702.0	12702.0	12702.0	12702.0	12702.0	12702.0
2.5°	12565.1	12562.4	12594.6	12608.1	12624.2	12656.4	12667.1	12736.9	12745.0	12771.8	12787.9
5°	12543.6	12532.9	12565.1	12570.5	12589.3	12594.6	12610.7	12659.1	12653.7	12694.0	12702.0
7.5°	12428.2	12414.7	12441.6	12447.0	12473.8	12465.8	12492.6	12527.5	12527.5	12557.0	12570.5
10°	12170.4	12167.7	12194.6	12197.3	12234.9	12226.8	12269.8	12277.8	12299.3	12320.8	12344.9
12.5°	11861.7	11826.8	11861.7	11848.2	11899.3	11869.7	11928.8	11947.6	11958.3	11995.9	12014.7
15°	11464.3	11421.3	11445.5	11432.1	11464.3	11426.7	11488.5	11526.1	11539.5	11577.1	11595.9
17.5°	10932.7	10897.8	10903.2	10884.4	10905.9	10876.3	10935.4	10994.5	11013.3	11053.5	11080.4
20°	10264.2	10264.2	10266.9	10250.8	10269.5	10240.0	10277.6	10368.9	10387.7	10441.4	10487.0
22.5°	9611.8	9611.8	9619.8	9598.3	9603.7	9590.3	9630.6	9719.2	9748.7	9805.1	9861.4
25°	8986.2	8975.4	8980.8	8962.0	8940.5	8945.9	8994.2	9050.6	9115.1	9187.6	9230.5
27.5°	8390.2	8403.6	8371.4	8357.9	8341.8	8312.3	8368.7	8438.5	8484.1	8543.2	8564.7
30°	7753.8	7780.7	7756.5	7745.8	7705.5	7667.9	7727.0	7796.8	7842.4	7898.8	7923.0
32.5°	7187.3	7179.3	7157.8	7133.6	7093.4	7063.8	7088.0	7168.5	7203.4	7262.5	7270.6
35°	6580.6	6575.2	6561.8	6513.4	6500.0	6465.1	6486.6	6556.4	6583.2	6618.2	6645.0
37.5°	5987.2	5968.4	5963.0	5944.3	5920.1	5912.0	5912.0	5949.6	5976.5	6011.4	6038.2
40°	5399.2	5404.6	5388.5	5372.4	5364.3	5353.6	5356.3	5377.8	5399.2	5415.3	5431.4
42.5°	4867.6	4838.1	4827.4	4811.2	4819.3	4832.7	4803.2	4835.4	4862.3	4862.3	4897.2
45°	4258.2	4271.6	4277.0	4303.8	4303.8	4290.4	4279.6	4295.8	4322.6	4319.9	4354.8
47.5°	3726.6	3710.5	3723.9	3764.2	3799.1	3804.4	3772.2	3780.3	3788.3	3774.9	3807.1
50°	3144.0	3149.3	3146.6	3208.4	3278.2	3254.0	3229.9	3237.9	3235.2	3235.2	3240.6
52.5°	2510.3	2523.8	2507.6	2596.2	2671.4	2652.6	2636.5	2636.5	2649.9	2647.3	2644.6
55°	1933.1	1927.7	1892.8	1935.8	2002.9	2005.6	1981.4	1992.2	2005.6	2019.0	2016.3
57.5°	1439.1	1423.0	1374.6	1377.3	1452.5	1471.3	1449.8	1447.1	1463.2	1468.6	1498.1
60°	969.2	966.5	923.6	920.9	950.4	1001.4	977.3	977.3	982.7	990.7	998.8
62.5°	663.2	668.5	652.4	649.7	655.1	698.1	695.4	692.7	690.0	700.7	698.1
65°	520.9	523.5	518.2	518.2	520.9	539.7	558.4	561.1	563.8	566.5	563.8
67.5°	418.8	421.5	416.2	421.5	421.5	424.2	451.1	461.8	464.5	464.5	461.8
70°	322.2	332.9	338.3	338.3	338.3	338.3	357.1	370.5	367.8	351.7	335.6
72.5°	161.1	196.0	271.2	273.9	271.2	268.5	279.2	292.6	290.0	204.0	153.0
75°	107.4	115.4	212.1	222.8	220.2	209.4	220.2	236.3	230.9	131.6	126.2
77.5°	61.8	67.1	142.3	163.8	177.2	153.0	174.5	190.6	182.6	107.4	104.7
80°	48.3	45.6	102.0	126.2	120.8	96.7	142.3	153.0	139.6	80.5	72.5
82.5°	29.5	29.5	67.1	96.7	88.6	56.4	99.3	118.1	104.7	59.1	53.7
85°	16.1	18.8	32.2	48.3	51.0	37.6	53.7	64.4	64.4	37.6	37.6
87.5°	8.1	8.1	10.7	10.7	13.4	16.1	16.1	18.8	13.4	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)