

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: P524164

Luminaire Tested: **IFLD-M-SA4A-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524164
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-935-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

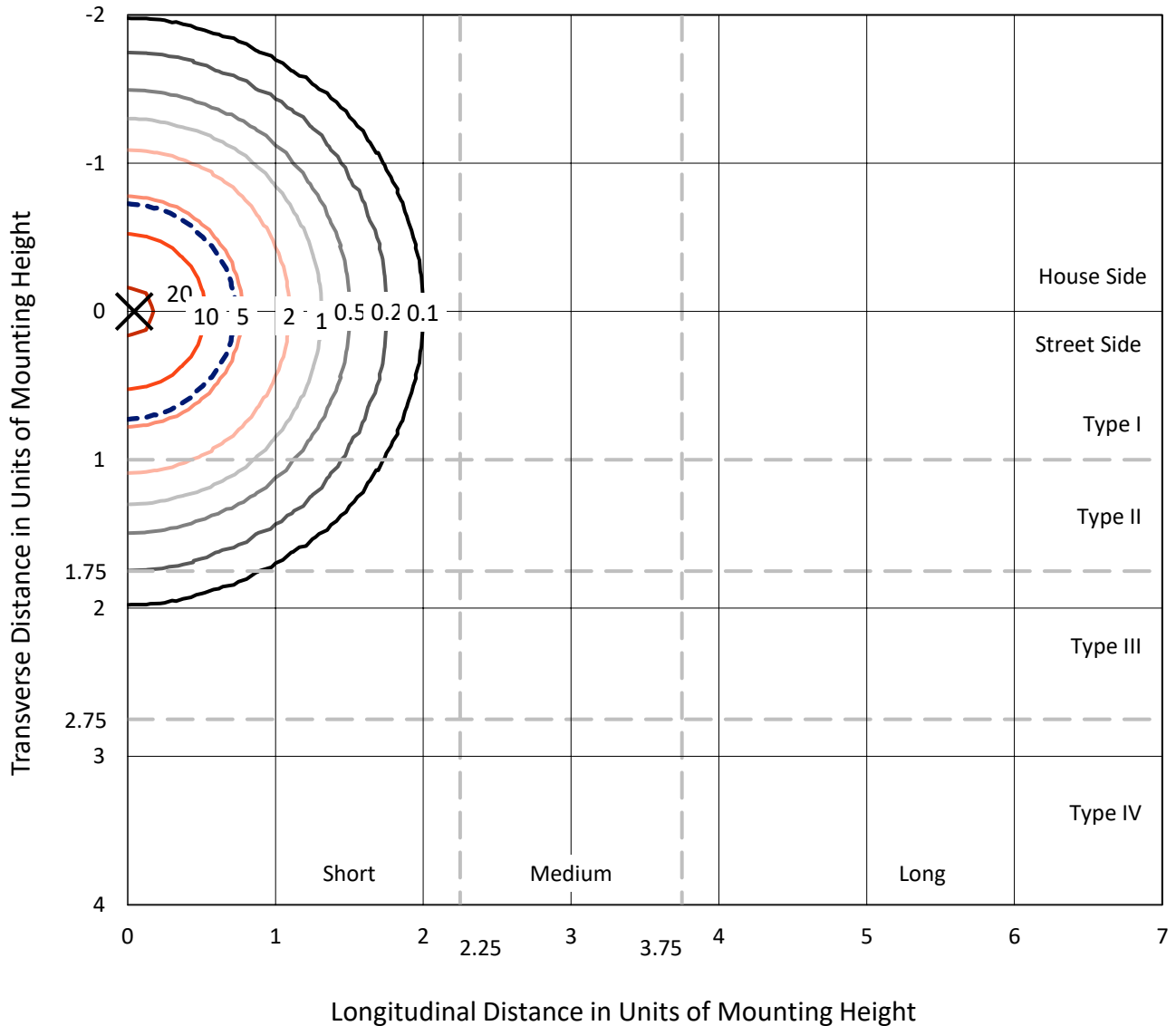
Lumens per Lamp: N/A
Luminaire Lumens: 12722.9 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 128.6
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

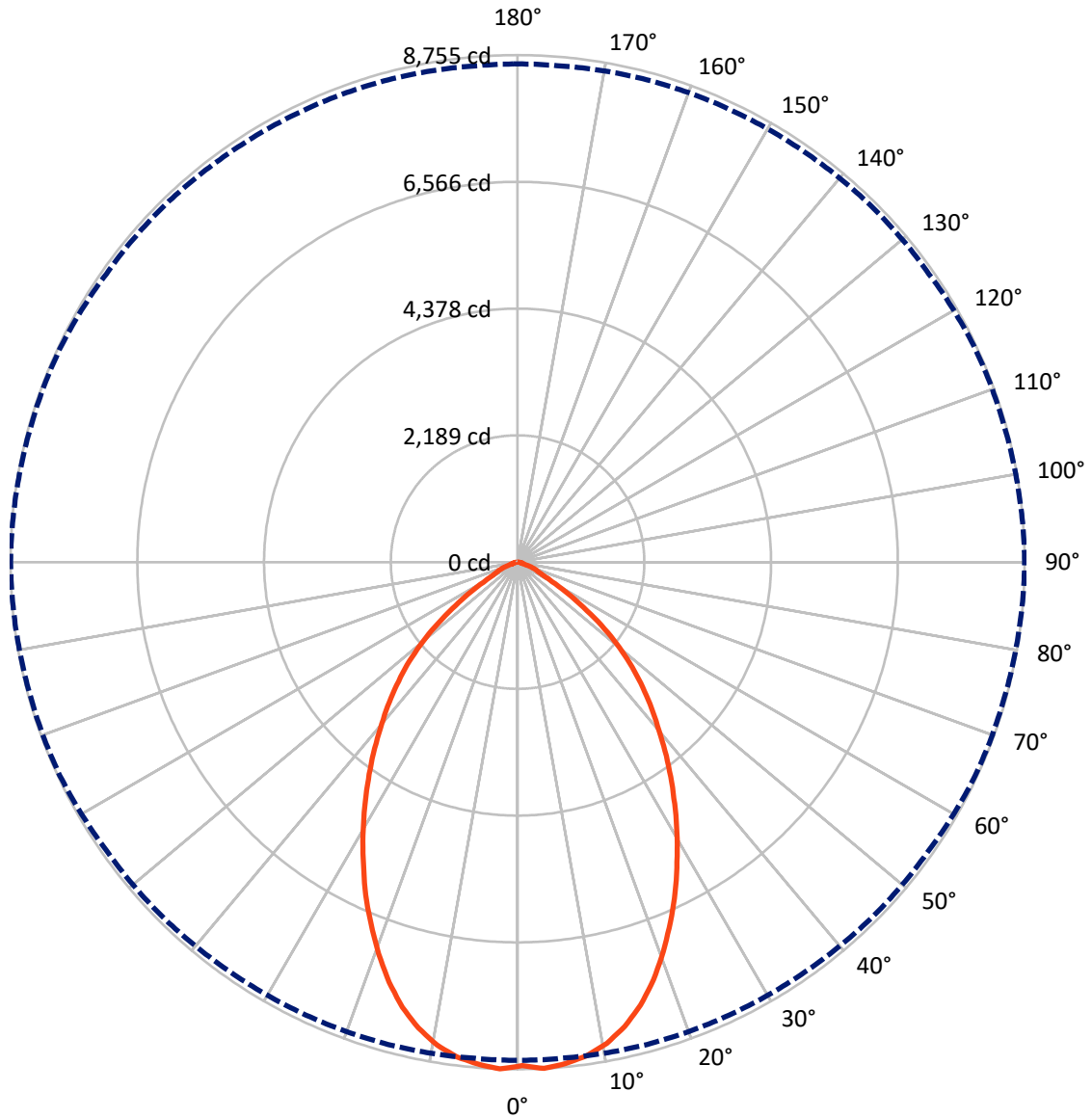
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 21.7 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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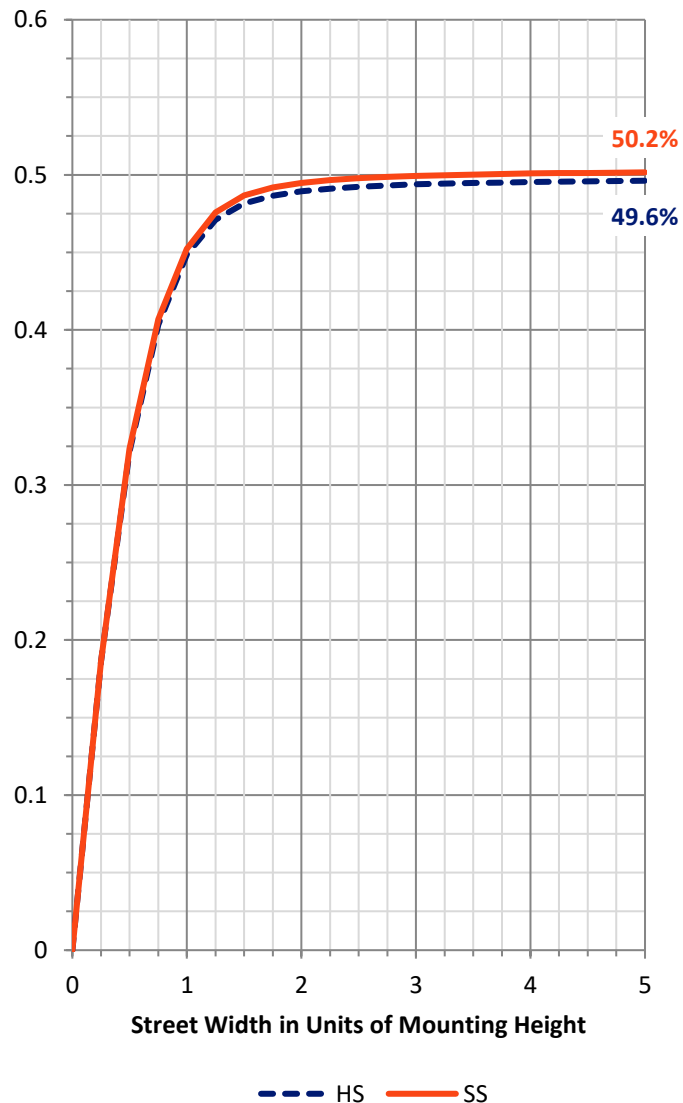
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6361.5	0.0	6361.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6361.5	0.0	6361.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12722.9	0.0	12722.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	816.4	6.4
10°-20°	2193.7	17.2
20°-30°	2838.2	22.3
30°-40°	2799.1	22.0
40°-50°	2264.6	17.8
50°-60°	1233.0	9.7
60°-70°	390.7	3.1
70°-80°	151.2	1.2
80°-90°	36.1	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°	12722.9	100.0
0°-180°	12722.9	100.0

Coefficient of Utilization



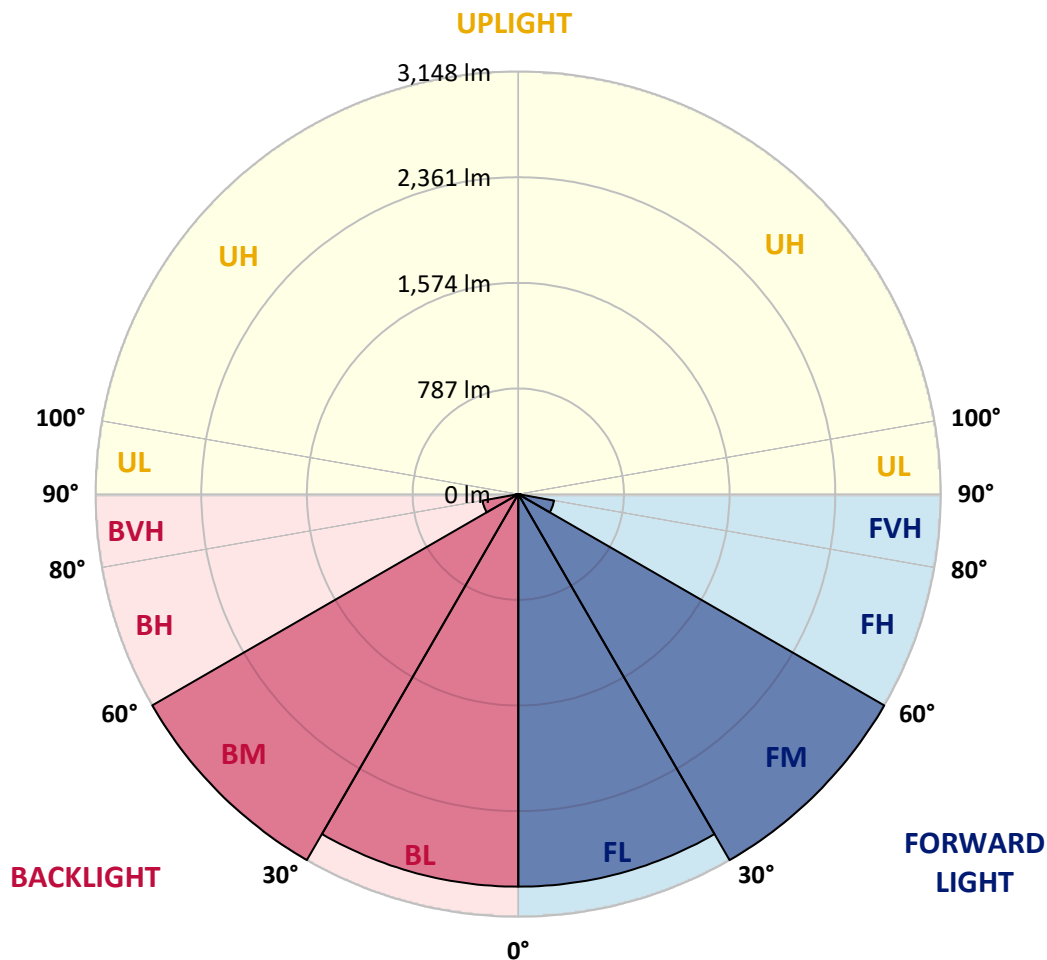
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2924.1	23.0			
FM (30°-60°)	3148.4	24.7			
FH (60°-80°)	270.9	2.1			G0/660
FVH (80°-90°)	18.1	0.1			G1/100
BL (0°-30°)	2924.1	23.0	B4/5000		
BM (30°-60°)	3148.4	24.7	B3/5000		
BH (60°-80°)	270.9	2.1	B1/500		G0/660
BVH (80°-90°)	18.1	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°	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5
2.5°	8602.7	8600.9	8622.9	8632.1	8643.2	8665.2	8672.6	8720.4	8725.9	8744.3	8755.3
5°	8588.0	8580.7	8602.7	8606.4	8619.3	8622.9	8634.0	8667.1	8663.4	8691.0	8696.5
7.5°	8509.0	8499.8	8518.2	8521.8	8540.2	8534.7	8553.1	8577.0	8577.0	8597.2	8606.4
10°	8332.5	8330.7	8349.1	8350.9	8376.6	8371.1	8400.5	8406.0	8420.7	8435.4	8452.0
12.5°	8121.1	8097.2	8121.1	8111.9	8146.9	8126.6	8167.1	8179.9	8187.3	8213.0	8225.9
15°	7849.1	7819.7	7836.2	7827.0	7849.1	7823.3	7865.6	7891.3	7900.5	7926.3	7939.1
17.5°	7485.1	7461.2	7464.9	7452.0	7466.7	7446.5	7486.9	7527.4	7540.2	7567.8	7586.2
20°	7027.4	7027.4	7029.2	7018.2	7031.1	7010.8	7036.6	7099.1	7112.0	7148.7	7180.0
22.5°	6580.7	6580.7	6586.2	6571.5	6575.2	6566.0	6593.6	6654.2	6674.5	6713.1	6751.7
25°	6152.4	6145.1	6148.7	6135.9	6121.2	6124.8	6157.9	6196.5	6240.6	6290.3	6319.7
27.5°	5744.3	5753.5	5731.5	5722.3	5711.3	5691.0	5729.6	5777.4	5808.7	5849.1	5863.8
30°	5308.7	5327.1	5310.5	5303.2	5275.6	5249.9	5290.3	5338.1	5369.3	5407.9	5424.5
32.5°	4920.8	4915.3	4900.6	4884.1	4856.5	4836.3	4852.8	4908.0	4931.9	4972.3	4977.8
35°	4505.4	4501.7	4492.5	4459.4	4450.3	4426.4	4441.1	4488.9	4507.2	4531.1	4549.5
37.5°	4099.2	4086.3	4082.6	4069.7	4053.2	4047.7	4047.7	4073.4	4091.8	4115.7	4134.1
40°	3696.6	3700.3	3689.2	3678.2	3672.7	3665.3	3667.2	3681.9	3696.6	3707.6	3718.7
42.5°	3332.6	3312.4	3305.1	3294.0	3299.5	3308.7	3288.5	3310.6	3329.0	3329.0	3352.9
45°	2915.4	2924.6	2928.2	2946.6	2946.6	2937.4	2930.1	2941.1	2959.5	2957.6	2981.5
47.5°	2551.4	2540.4	2549.6	2577.1	2601.0	2604.7	2582.7	2588.2	2593.7	2584.5	2606.6
50°	2152.5	2156.2	2154.4	2196.6	2244.4	2227.9	2211.3	2216.9	2215.0	2215.0	2218.7
52.5°	1718.7	1727.9	1716.9	1777.5	1829.0	1816.1	1805.1	1805.1	1814.3	1812.5	1810.6
55°	1323.5	1319.8	1295.9	1325.3	1371.3	1373.1	1356.6	1363.9	1373.1	1382.3	1380.5
57.5°	985.3	974.2	941.2	943.0	994.5	1007.3	992.6	990.8	1001.8	1005.5	1025.7
60°	663.6	661.7	632.3	630.5	650.7	685.6	669.1	669.1	672.8	678.3	683.8
62.5°	454.0	457.7	446.7	444.8	448.5	477.9	476.1	474.3	472.4	479.8	477.9
65°	356.6	358.4	354.8	354.8	356.6	369.5	382.3	384.2	386.0	387.9	386.0
67.5°	286.8	288.6	284.9	288.6	288.6	290.4	308.8	316.2	318.0	318.0	316.2
70°	220.6	227.9	231.6	231.6	231.6	231.6	244.5	253.7	251.8	240.8	229.8
72.5°	110.3	134.2	185.7	187.5	185.7	183.8	191.2	200.4	198.5	139.7	104.8
75°	73.5	79.0	145.2	152.6	150.7	143.4	150.7	161.8	158.1	90.1	86.4
77.5°	42.3	46.0	97.4	112.1	121.3	104.8	119.5	130.5	125.0	73.5	71.7
80°	33.1	31.2	69.9	86.4	82.7	66.2	97.4	104.8	95.6	55.1	49.6
82.5°	20.2	20.2	46.0	66.2	60.7	38.6	68.0	80.9	71.7	40.4	36.8
85°	11.0	12.9	22.1	33.1	34.9	25.7	36.8	44.1	44.1	25.7	25.7
87.5°	5.5	5.5	7.4	7.4	9.2	11.0	11.0	12.9	9.2	7.4	7.4
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)