

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: P524166

Luminaire Tested: **IFLD-M-SA4C-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524166
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-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

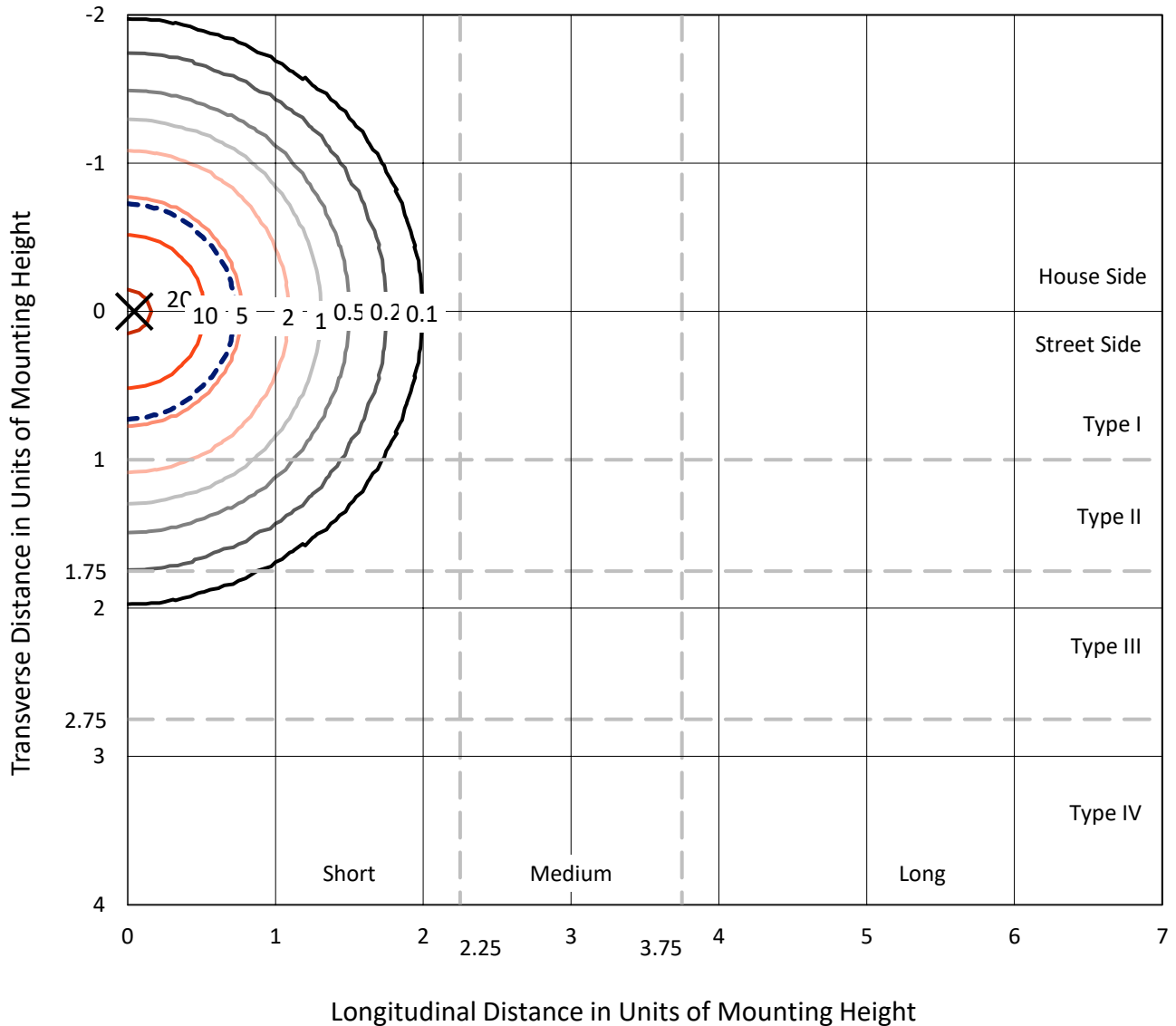
Lumens per Lamp: N/A
Luminaire Lumens: 19587.8 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 218.1
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

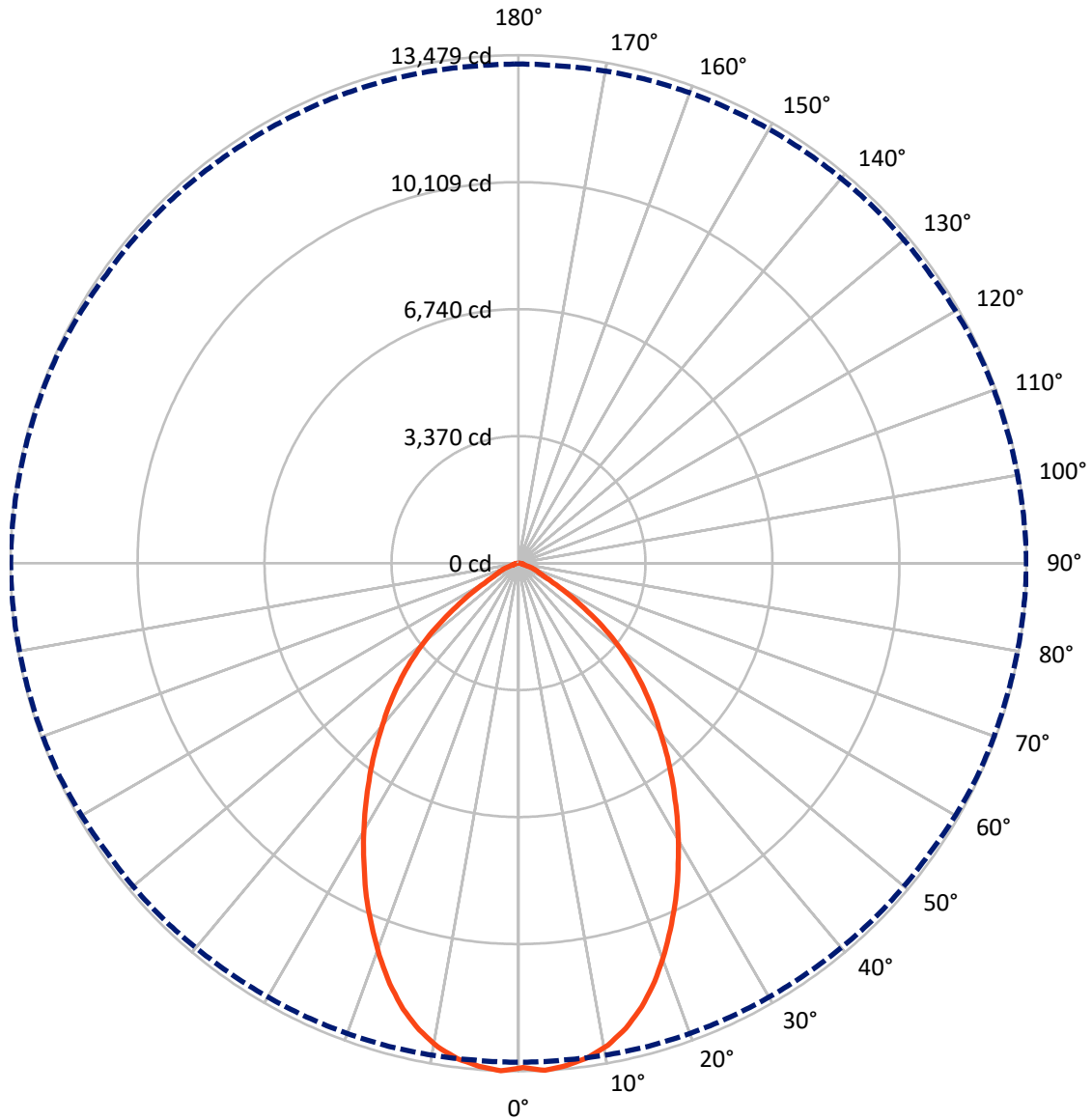
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.4 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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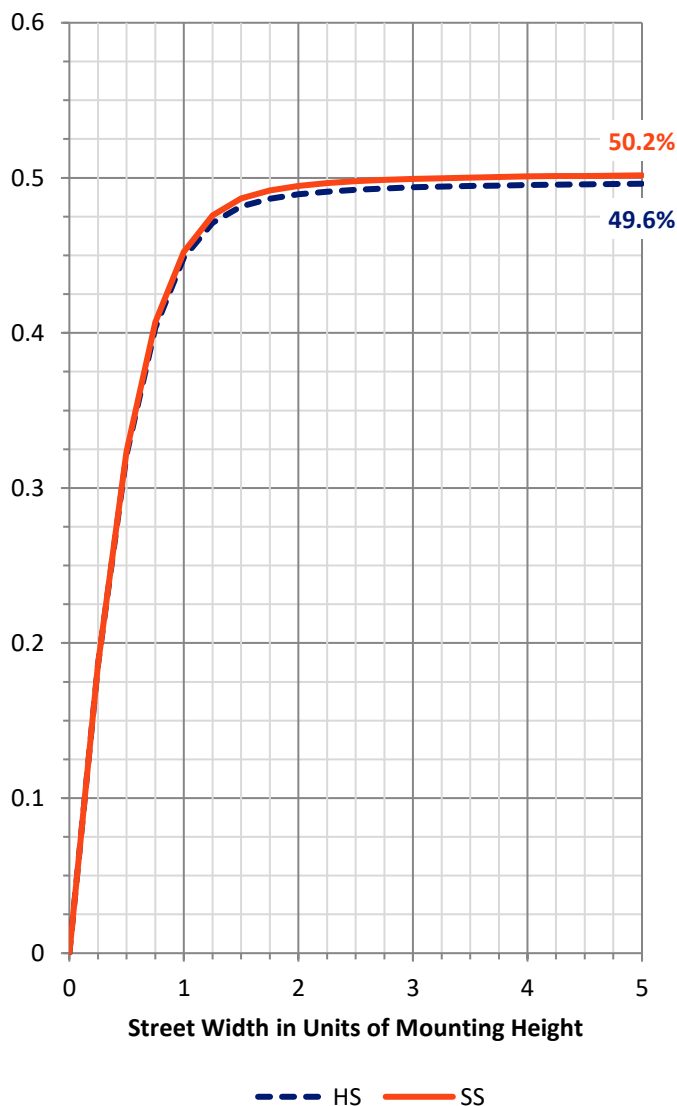
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9793.9	0.0	9793.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9793.9	0.0	9793.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19587.8	0.0	19587.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1256.9	6.4
10°-20°	3377.3	17.2
20°-30°	4369.5	22.3
30°-40°	4309.4	22.0
40°-50°	3486.5	17.8
50°-60°	1898.3	9.7
60°-70°	601.5	3.1
70°-80°	232.7	1.2
80°-90°	55.6	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°	19587.8	100.0
0°-180°	19587.8	100.0

Coefficient of Utilization



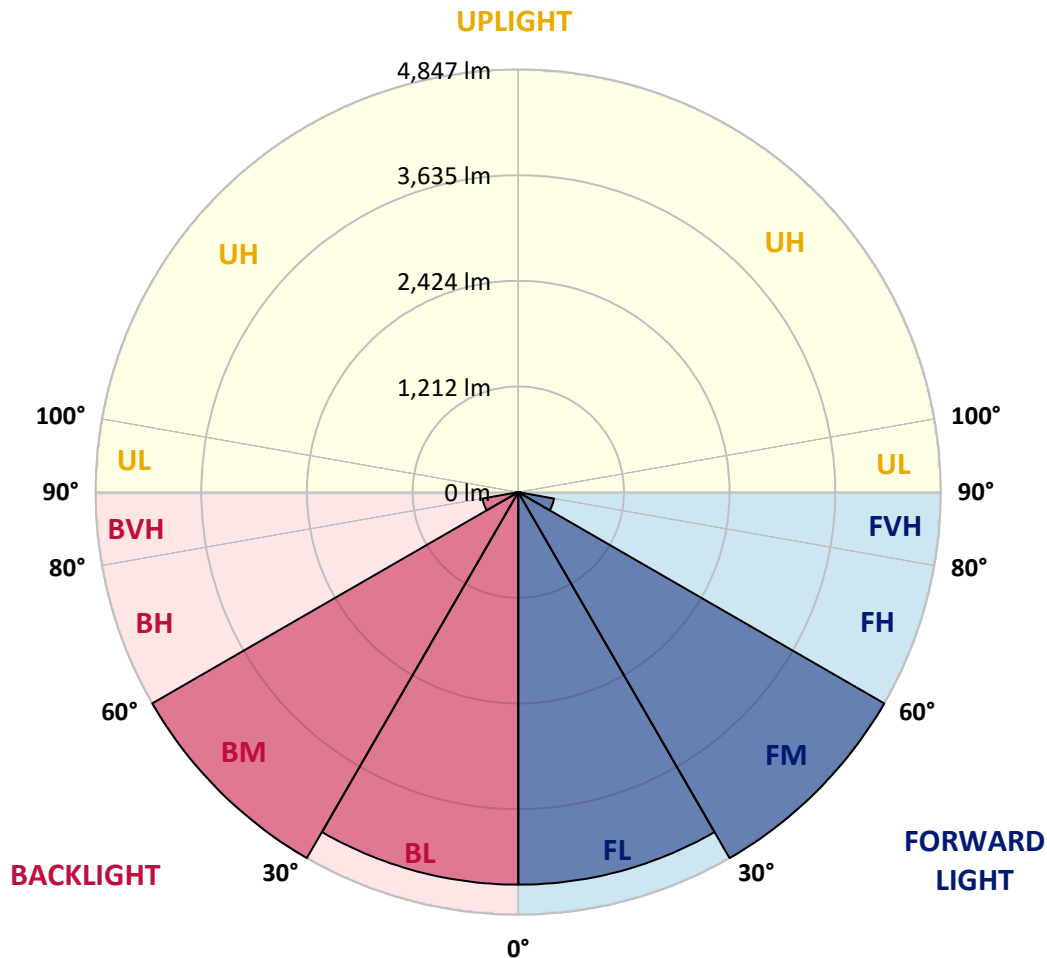
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4501.9	23.0			
FM (30°-60°)	4847.1	24.7			
FH (60°-80°)	417.1	2.1			G0/660
FVH (80°-90°)	27.8	0.1			G1/100
BL (0°-30°)	4501.9	23.0	B4/5000		
BM (30°-60°)	4847.1	24.7	B3/5000		
BH (60°-80°)	417.1	2.1	B1/500		G0/660
BVH (80°-90°)	27.8	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°	13388.8	13388.8	13388.8	13388.8	13388.8	13388.8	13388.8	13388.8	13388.8	13388.8	13388.8
2.5°	13244.4	13241.6	13275.6	13289.7	13306.7	13340.7	13352.0	13425.6	13434.0	13462.3	13479.3
5°	13221.8	13210.5	13244.4	13250.1	13269.9	13275.6	13292.5	13343.5	13337.8	13380.3	13388.8
7.5°	13100.1	13086.0	13114.3	13119.9	13148.2	13139.7	13168.0	13204.8	13204.8	13235.9	13250.1
10°	12828.4	12825.6	12853.9	12856.7	12896.3	12887.9	12933.1	12941.6	12964.3	12986.9	13012.4
12.5°	12503.0	12466.2	12503.0	12488.8	12542.6	12511.5	12573.7	12593.5	12604.9	12644.5	12664.3
15°	12084.1	12038.9	12064.3	12050.2	12084.1	12044.5	12109.6	12149.2	12163.4	12203.0	12222.8
17.5°	11523.8	11487.0	11492.7	11472.8	11495.5	11464.4	11526.6	11588.9	11608.7	11651.1	11679.4
20°	10819.1	10819.1	10821.9	10805.0	10824.8	10793.6	10833.3	10929.5	10949.3	11005.9	11054.0
22.5°	10131.4	10131.4	10139.9	10117.3	10122.9	10108.8	10151.2	10244.6	10275.8	10335.2	10394.6
25°	9472.0	9460.7	9466.4	9446.6	9423.9	9429.6	9480.5	9540.0	9607.9	9684.3	9729.6
27.5°	8843.8	8857.9	8824.0	8809.8	8792.8	8761.7	8821.1	8894.7	8942.8	9005.1	9027.7
30°	8173.1	8201.4	8175.9	8164.6	8122.1	8082.5	8144.8	8218.3	8266.5	8325.9	8351.4
32.5°	7575.9	7567.4	7544.8	7519.3	7476.9	7445.7	7471.2	7556.1	7592.9	7655.2	7663.7
35°	6936.3	6930.7	6916.5	6865.6	6851.4	6814.7	6837.3	6910.9	6939.2	6976.0	7004.3
37.5°	6310.9	6291.1	6285.4	6265.6	6240.2	6231.7	6231.7	6271.3	6299.6	6336.4	6364.7
40°	5691.1	5696.8	5679.8	5662.8	5654.4	5643.0	5645.9	5668.5	5691.1	5708.1	5725.1
42.5°	5130.8	5099.7	5088.4	5071.4	5079.9	5094.0	5062.9	5096.8	5125.1	5125.1	5161.9
45°	4488.4	4502.5	4508.2	4536.5	4536.5	4522.4	4511.0	4528.0	4556.3	4553.5	4590.3
47.5°	3928.1	3911.1	3925.2	3967.7	4004.5	4010.1	3976.2	3984.7	3993.1	3979.0	4013.0
50°	3313.9	3319.6	3316.8	3381.9	3455.4	3430.0	3404.5	3413.0	3410.2	3410.2	3415.8
52.5°	2646.1	2660.2	2643.2	2736.6	2815.9	2796.0	2779.1	2779.1	2793.2	2790.4	2787.6
55°	2037.6	2031.9	1995.2	2040.4	2111.2	2114.0	2088.5	2099.9	2114.0	2128.2	2125.3
57.5°	1516.9	1499.9	1449.0	1451.8	1531.0	1550.8	1528.2	1525.4	1542.4	1548.0	1579.1
60°	1021.6	1018.8	973.5	970.7	1001.8	1055.6	1030.1	1030.1	1035.8	1044.3	1052.8
62.5°	699.0	704.7	687.7	684.9	690.5	735.8	733.0	730.1	727.3	738.6	735.8
65°	549.0	551.9	546.2	546.2	549.0	568.8	588.6	591.5	594.3	597.1	594.3
67.5°	441.5	444.3	438.7	444.3	444.3	447.1	475.4	486.8	489.6	489.6	486.8
70°	339.6	350.9	356.6	356.6	356.6	356.6	376.4	390.5	387.7	370.7	353.8
72.5°	169.8	206.6	285.8	288.7	285.8	283.0	294.3	308.5	305.6	215.1	161.3
75°	113.2	121.7	223.6	234.9	232.1	220.7	232.1	249.0	243.4	138.7	133.0
77.5°	65.1	70.8	150.0	172.6	186.8	161.3	184.0	200.9	192.4	113.2	110.4
80°	50.9	48.1	107.5	133.0	127.4	101.9	150.0	161.3	147.2	84.9	76.4
82.5°	31.1	31.1	70.8	101.9	93.4	59.4	104.7	124.5	110.4	62.3	56.6
85°	17.0	19.8	34.0	50.9	53.8	39.6	56.6	67.9	67.9	39.6	39.6
87.5°	8.5	8.5	11.3	11.3	14.2	17.0	17.0	19.8	14.2	11.3	11.3
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)