

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: P524361

Luminaire Tested: **IFLD-M-SA4C-935-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524361
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-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

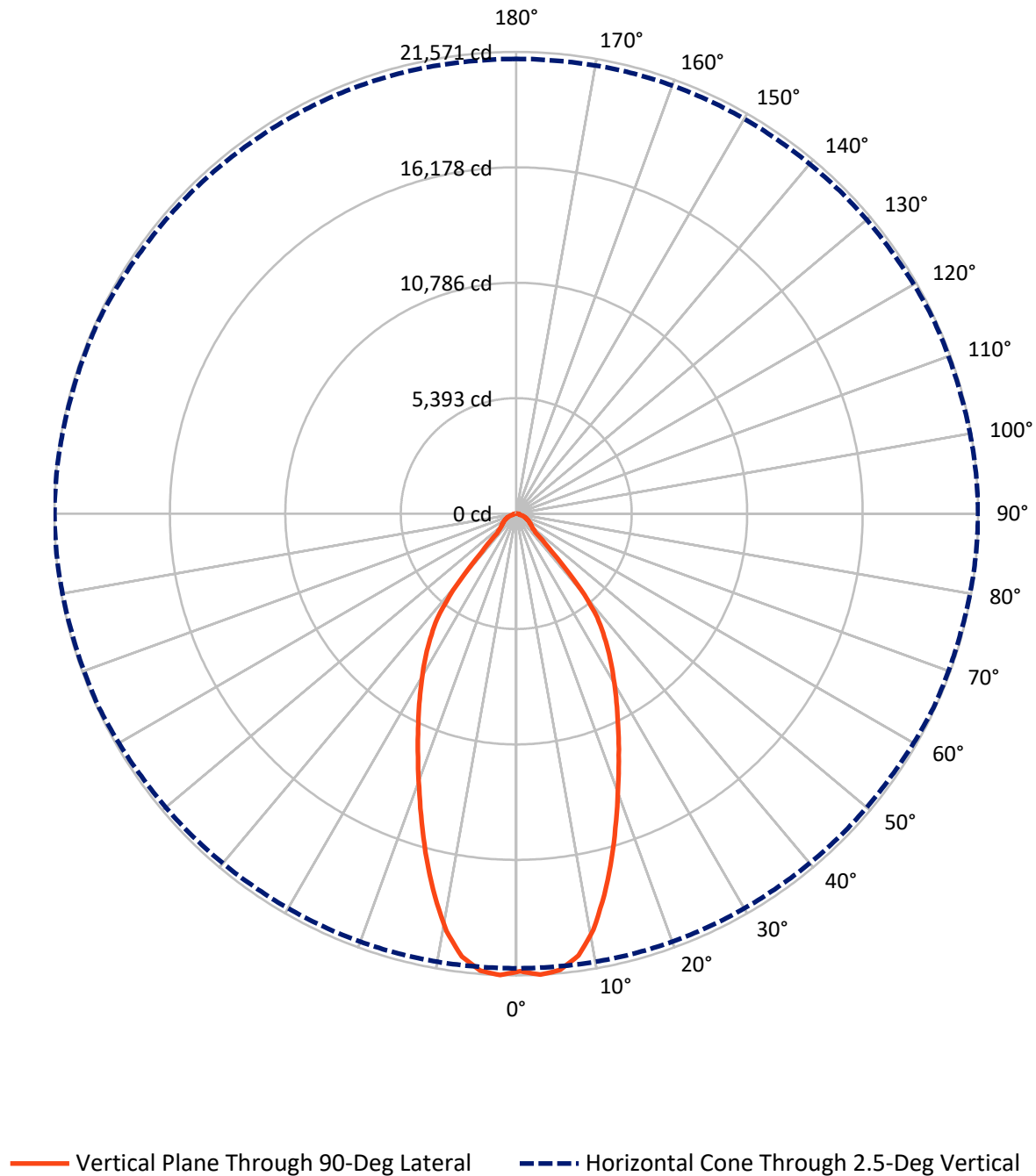
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18676.7 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - 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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Luminous Intensity Polar Plot



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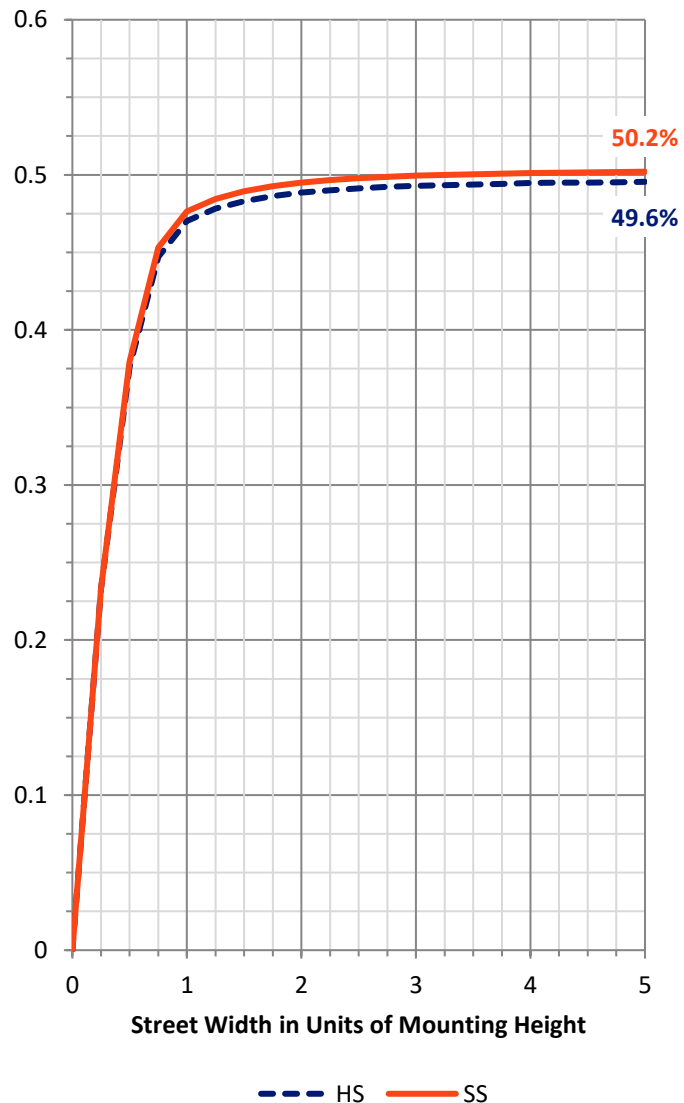
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9338.3	0.0	9338.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9338.3	0.0	9338.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	18676.7	0.0	18676.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1970.8	10.6
10°-20°	4549.5	24.4
20°-30°	4994.9	26.7
30°-40°	4331.0	23.2
40°-50°	1425.1	7.6
50°-60°	639.0	3.4
60°-70°	451.6	2.4
70°-80°	245.2	1.3
80°-90°	69.5	0.4
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°	18676.7	100.0
0°-180°	18676.7	100.0

Coefficient of Utilization



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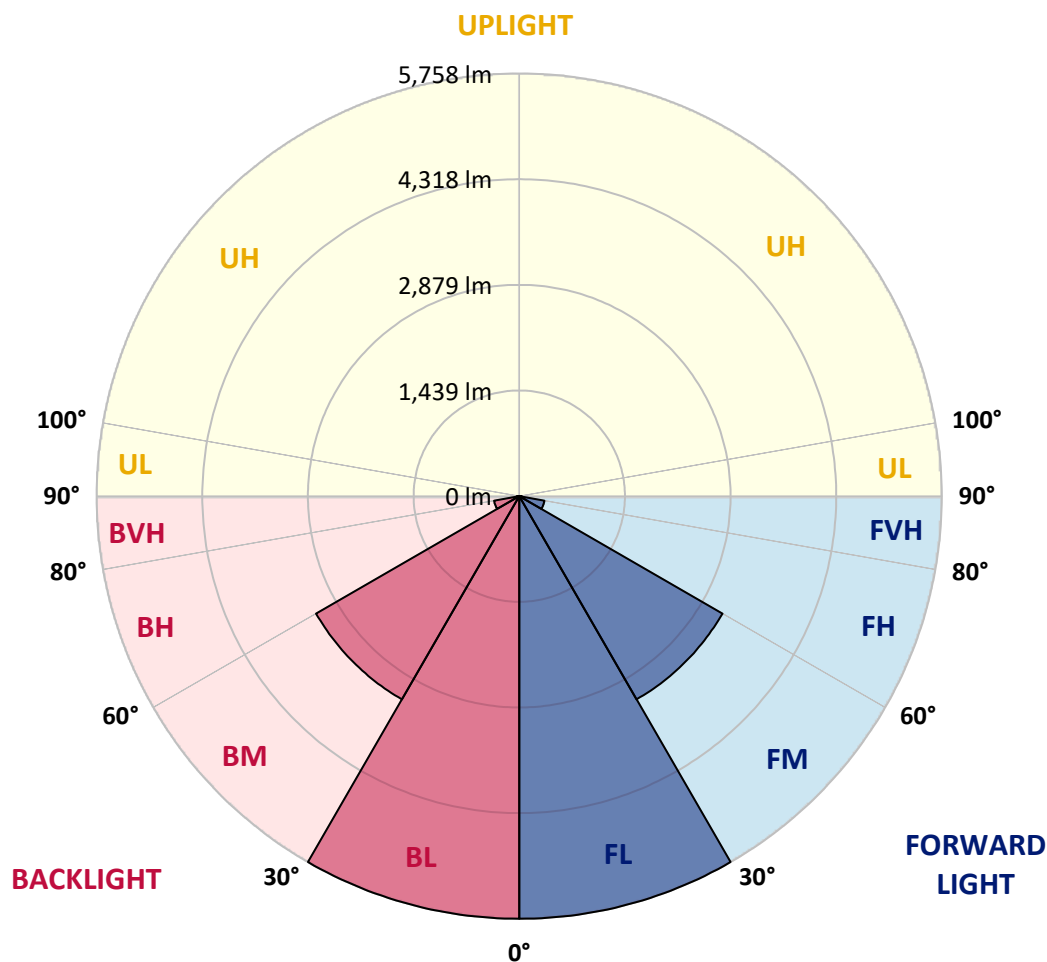
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5757.6	30.8			
FM	(30°-60°)	3197.5	17.1			
FH	(60°-80°)	348.4	1.9			G0/660
FVH	(80°-90°)	34.8	0.2			G1/100
BL	(0°-30°)	5757.6	30.8	B5		
BM	(30°-60°)	3197.5	17.1	B3/5000		
BH	(60°-80°)	348.4	1.9	B1/500		G0/660
BVH	(80°-90°)	34.8	0.2			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°	21378.9	21378.9	21378.9	21378.9	21378.9	21378.9	21378.9	21378.9	21378.9	21378.9
2.5°	21245.9	21243.1	21277.0	21294.0	21302.5	21342.1	21381.7	21486.4	21489.3	21551.5
5°	21217.6	21192.1	21214.8	21180.8	21189.3	21189.3	21240.2	21316.7	21345.0	21407.2
7.5°	20586.6	20580.9	20566.8	20530.0	20575.3	20544.1	20637.5	20705.4	20770.5	20801.6
10°	19409.4	19355.6	19355.6	19304.7	19350.0	19307.5	19460.3	19522.6	19632.9	19698.0
12.5°	17887.0	17864.3	17867.2	17844.5	17841.7	17782.3	17960.5	18014.3	18113.4	18209.6
15°	16262.7	16228.7	16259.9	16259.9	16234.4	16180.6	16370.2	16443.8	16588.1	16633.4
17.5°	14658.2	14644.1	14663.9	14672.4	14652.5	14601.6	14785.5	14946.8	15045.9	15045.9
20°	13186.7	13181.1	13206.5	13181.1	13161.3	13127.3	13297.1	13452.7	13540.4	13546.1
22.5°	11893.5	11924.6	11902.0	11870.9	11828.4	11803.0	11958.6	12102.9	12162.3	12221.8
25°	10758.8	10767.3	10784.3	10736.1	10685.2	10654.1	10770.1	10891.8	10985.2	11019.1
27.5°	9825.0	9856.1	9813.6	9740.1	9711.8	9675.0	9757.0	9844.8	9912.7	9960.8
30°	8916.6	8933.6	8942.1	8865.7	8797.8	8744.0	8811.9	8888.3	8913.8	8956.2
32.5°	8045.0	8073.3	8101.6	8008.2	7960.1	7909.2	7943.2	7991.3	8005.4	8008.2
35°	7176.3	7156.5	7131.0	7097.1	7060.3	6998.0	7032.0	7049.0	7060.3	7060.3
37.5°	6126.5	6143.4	6149.1	6084.0	6067.0	6024.6	6047.2	6050.0	6072.7	6086.8
40°	4635.2	4694.6	4655.0	4615.4	4621.0	4570.1	4561.6	4550.3	4601.2	4621.0
42.5°	2521.3	2623.2	2518.5	2552.5	2527.0	2498.7	2490.2	2504.3	2439.3	2385.5
45°	1267.7	1262.1	1284.7	1284.7	1307.4	1315.8	1296.0	1279.1	1270.6	1247.9
47.5°	1021.5	1004.6	1001.7	1015.9	1032.9	1044.2	1027.2	1018.7	1015.9	1030.0
50°	877.2	851.8	843.3	863.1	877.2	888.5	874.4	874.4	871.6	894.2
52.5°	764.0	738.6	738.6	778.2	789.5	800.8	792.3	792.3	792.3	817.8
55°	676.3	656.5	633.9	684.8	721.6	732.9	727.3	724.4	727.3	755.5
57.5°	608.4	597.1	582.9	594.3	650.8	665.0	662.2	662.2	667.8	690.5
60°	543.3	537.7	532.0	532.0	577.3	602.7	599.9	599.9	605.6	619.7
62.5°	483.9	478.2	472.6	478.2	495.2	534.8	534.8	537.7	546.1	551.8
65°	424.5	421.6	421.6	424.5	430.1	461.3	472.6	481.1	489.6	492.4
67.5°	367.9	365.0	367.9	373.5	373.5	387.7	413.1	421.6	430.1	430.1
70°	297.1	311.3	319.8	322.6	328.3	331.1	353.7	370.7	379.2	367.9
72.5°	161.3	183.9	277.3	285.8	288.6	291.5	308.4	328.3	333.9	217.9
75°	116.0	116.0	232.0	246.2	249.0	249.0	263.2	283.0	288.6	167.0
77.5°	76.4	73.6	161.3	178.3	203.7	164.1	215.1	237.7	243.4	138.7
80°	59.4	56.6	124.5	138.7	141.5	113.2	175.4	192.4	195.3	113.2
82.5°	45.3	42.4	90.6	101.9	110.4	73.6	124.5	147.1	152.8	99.0
85°	25.5	25.5	45.3	42.4	65.1	48.1	70.7	73.6	99.0	62.3
87.5°	8.5	11.3	19.8	19.8	22.6	19.8	28.3	28.3	31.1	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

21378.9
21571.3
21418.5
20852.6
19768.8
18274.7
16695.6
15082.7
13577.2
12255.7
11041.8
9974.9
8964.7
8042.2
7094.2
6146.3
4646.5
2411.0
1267.7
1041.4
922.5
846.1
772.5
707.4
631.0
560.3
498.0
430.1
325.4
186.8
164.1
135.8
101.9
101.9
59.4
17.0
0.0