

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: P524165

Luminaire Tested: **IFLD-M-SA4B-935-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524165
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-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

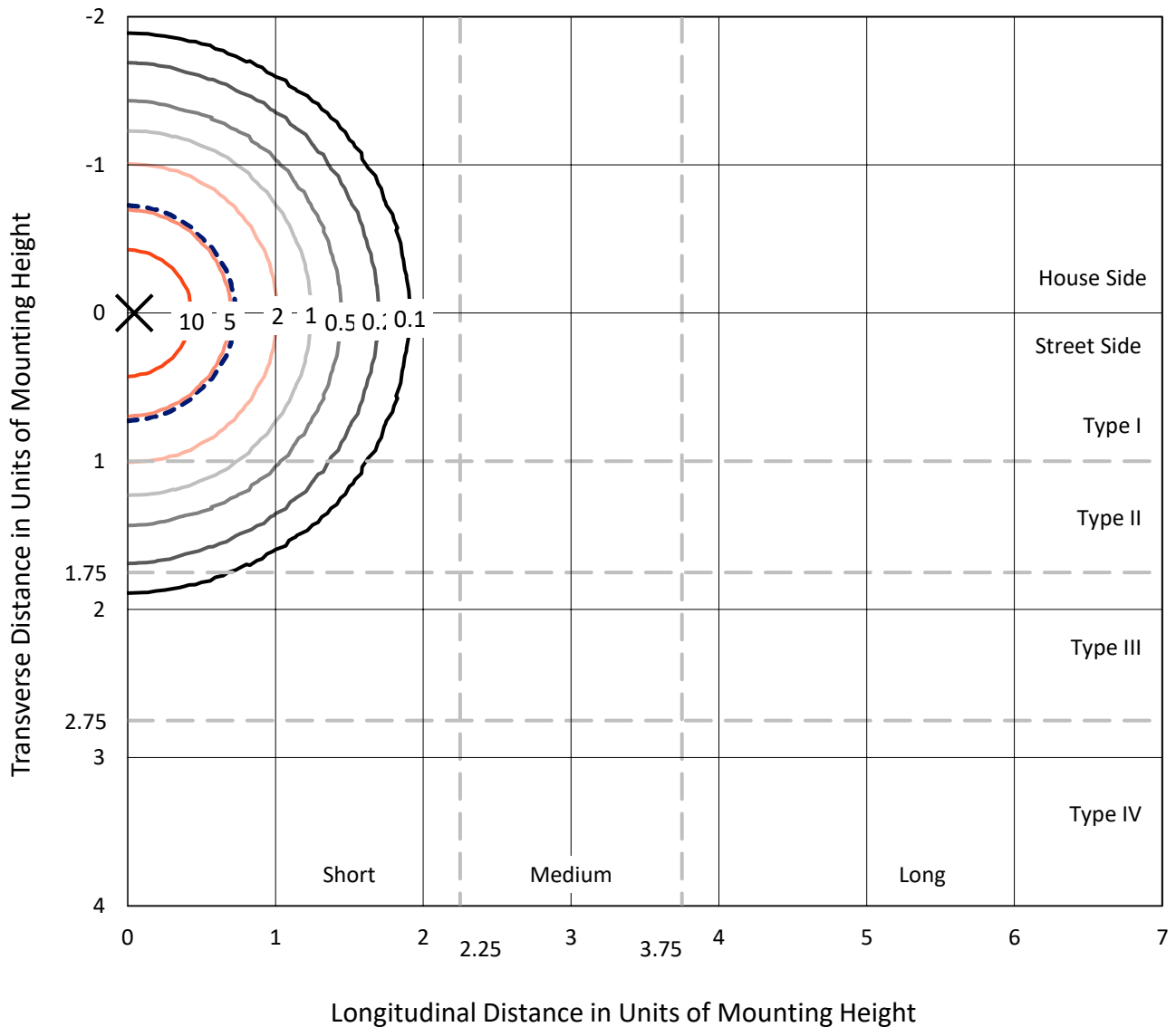
Lumens per Lamp: N/A
Luminaire Lumens: 15735 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 166.1
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

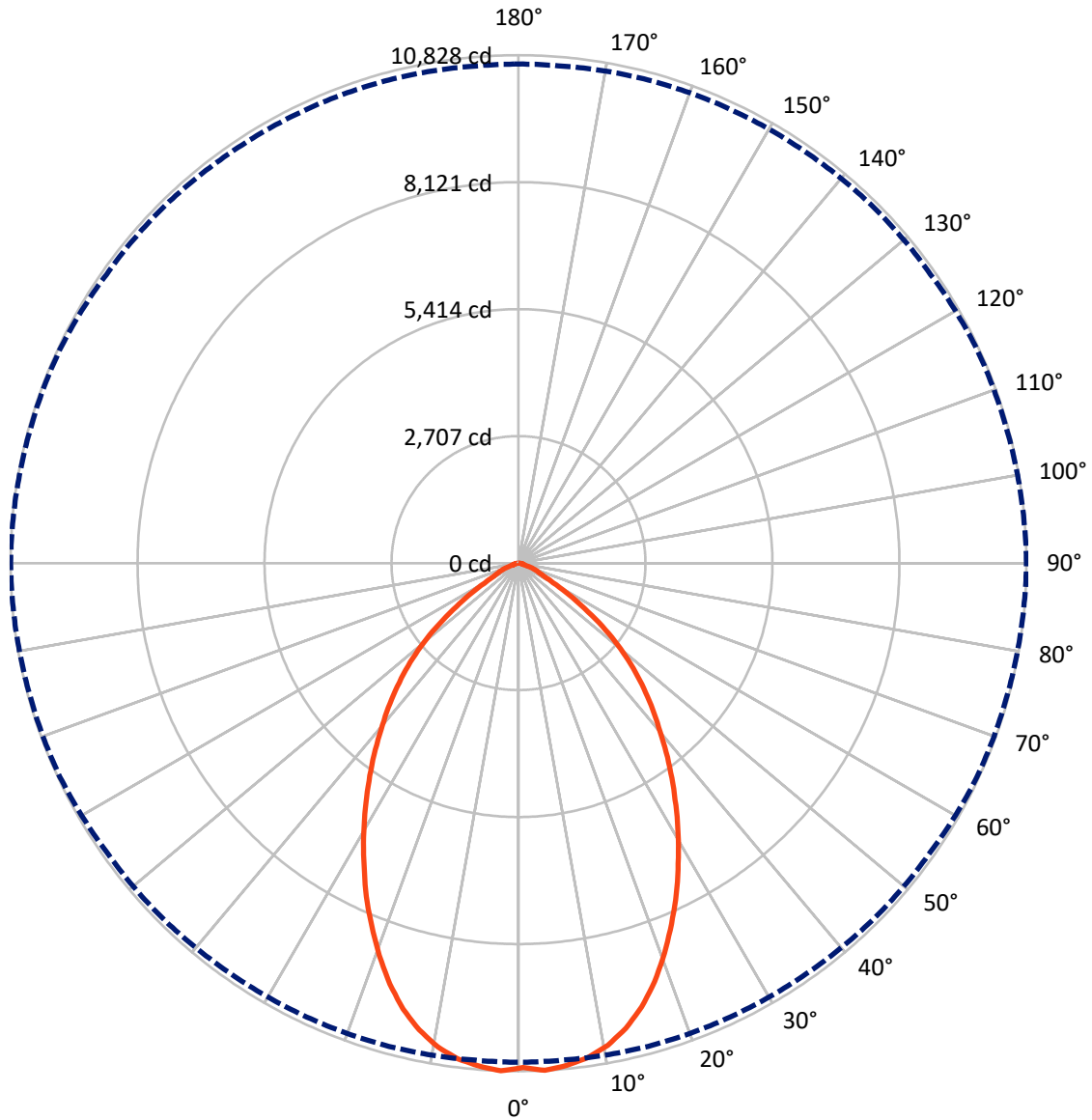
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.2 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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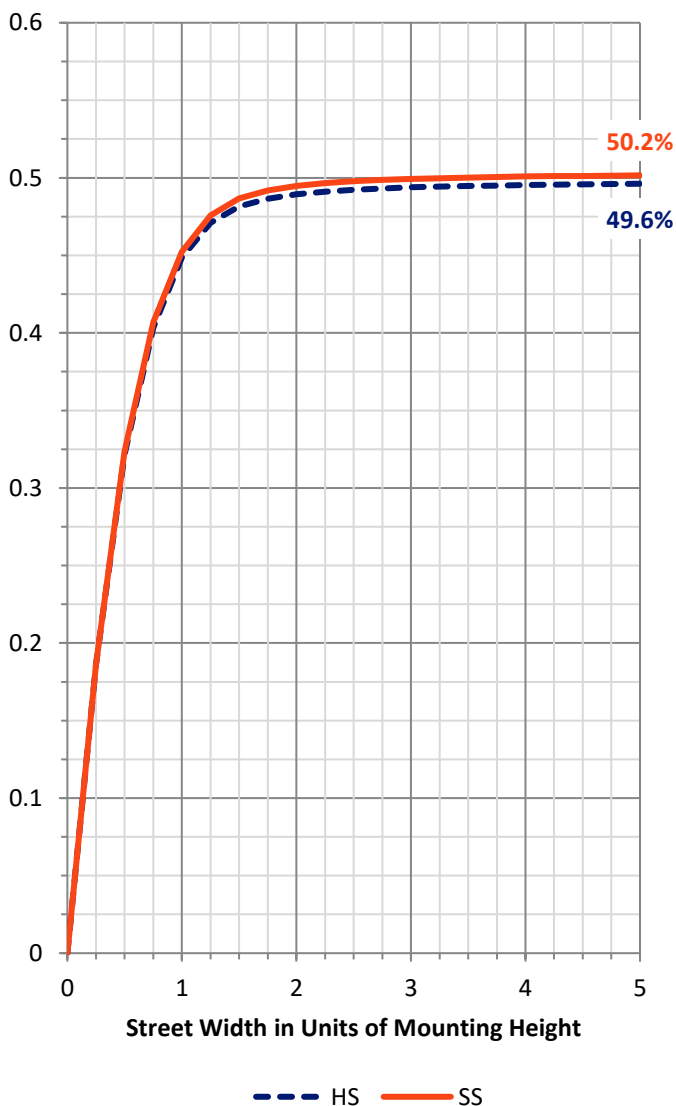
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7867.5	0.0	7867.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7867.5	0.0	7867.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15735.0	0.0	15735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.7	6.4
10°-20°	2713.0	17.2
20°-30°	3510.1	22.3
30°-40°	3461.8	22.0
40°-50°	2800.8	17.8
50°-60°	1524.9	9.7
60°-70°	483.2	3.1
70°-80°	186.9	1.2
80°-90°	44.7	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°	15735.0	100.0
0°-180°	15735.0	100.0

Coefficient of Utilization



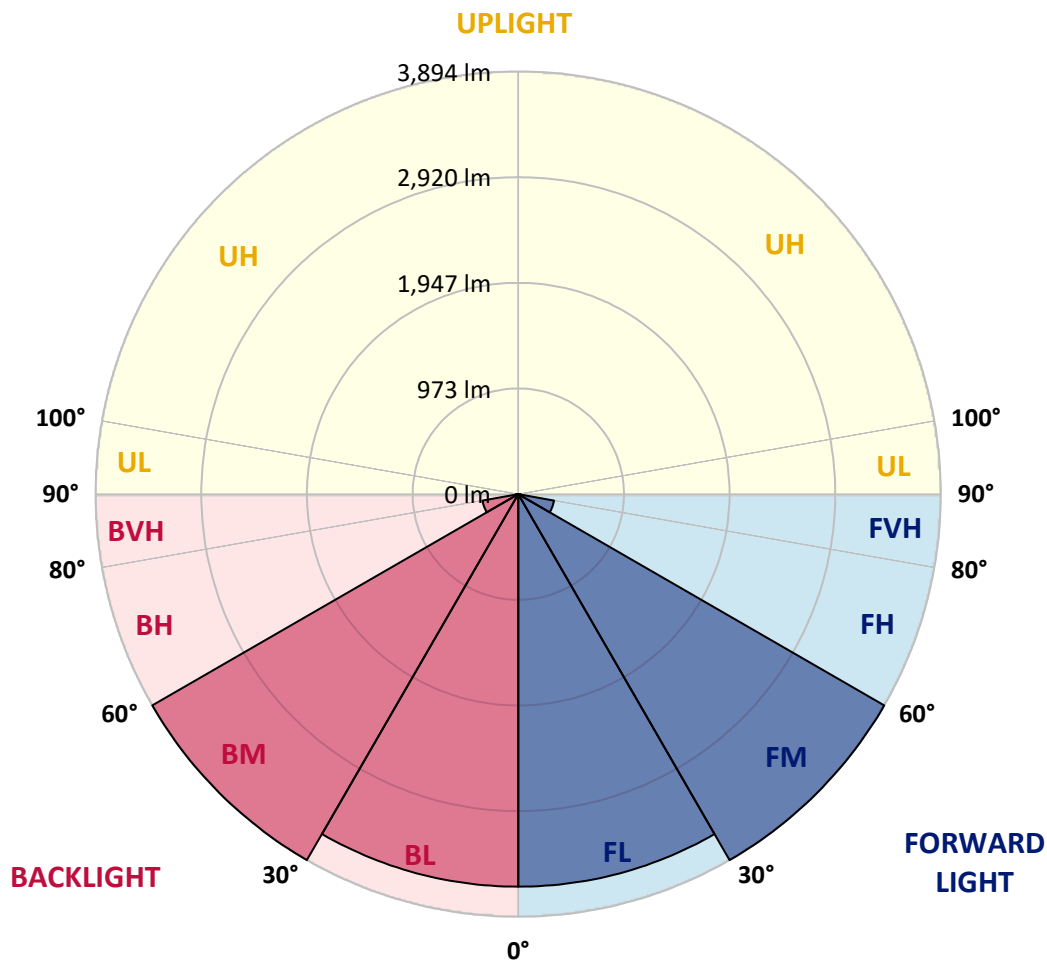
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3616.4	23.0			
FM (30°-60°)	3893.7	24.7			
FH (60°-80°)	335.1	2.1			G0/660
FVH (80°-90°)	22.3	0.1			G1/100
BL (0°-30°)	3616.4	23.0	B4/5000		
BM (30°-60°)	3893.7	24.7	B3/5000		
BH (60°-80°)	335.1	2.1	B1/500		G0/660
BVH (80°-90°)	22.3	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°	10755.3	10755.3	10755.3	10755.3	10755.3	10755.3	10755.3	10755.3	10755.3	10755.3	10755.3
2.5°	10639.4	10637.1	10664.4	10675.8	10689.4	10716.7	10725.8	10784.9	10791.7	10814.4	10828.1
5°	10621.2	10612.1	10639.4	10643.9	10659.8	10664.4	10678.0	10718.9	10714.4	10748.5	10755.3
7.5°	10523.4	10512.1	10534.8	10539.4	10562.1	10555.3	10578.0	10607.6	10607.6	10632.6	10643.9
10°	10305.2	10302.9	10325.7	10327.9	10359.8	10352.9	10389.3	10396.1	10414.3	10432.5	10453.0
12.5°	10043.8	10014.2	10043.8	10032.4	10075.6	10050.6	10100.6	10116.5	10125.6	10157.4	10173.3
15°	9707.3	9670.9	9691.4	9680.0	9707.3	9675.5	9727.8	9759.6	9771.0	9802.8	9818.7
17.5°	9257.2	9227.6	9232.2	9216.3	9234.4	9209.4	9259.4	9309.5	9325.4	9359.5	9382.2
20°	8691.1	8691.1	8693.4	8679.7	8695.6	8670.6	8702.5	8779.8	8795.7	8841.1	8879.8
22.5°	8138.7	8138.7	8145.5	8127.3	8131.9	8120.5	8154.6	8229.6	8254.6	8302.4	8350.1
25°	7609.0	7599.9	7604.4	7588.5	7570.3	7574.9	7615.8	7663.5	7718.1	7779.5	7815.9
27.5°	7104.3	7115.7	7088.4	7077.0	7063.4	7038.4	7086.1	7145.2	7183.9	7233.9	7252.1
30°	6565.5	6588.2	6567.8	6558.7	6524.6	6492.8	6542.8	6601.9	6640.5	6688.3	6708.7
32.5°	6085.8	6079.0	6060.8	6040.3	6006.2	5981.2	6001.7	6069.9	6099.5	6149.5	6156.3
35°	5572.0	5567.5	5556.1	5515.2	5503.8	5474.3	5492.5	5551.6	5574.3	5603.9	5626.6
37.5°	5069.6	5053.7	5049.2	5033.2	5012.8	5006.0	5006.0	5037.8	5060.5	5090.1	5112.8
40°	4571.8	4576.3	4562.7	4549.0	4542.2	4533.1	4535.4	4553.6	4571.8	4585.4	4599.0
42.5°	4121.6	4096.6	4087.5	4073.9	4080.7	4092.1	4067.1	4094.3	4117.1	4117.1	4146.6
45°	3605.6	3616.9	3621.5	3644.2	3644.2	3632.8	3623.8	3637.4	3660.1	3657.9	3687.4
47.5°	3155.4	3141.8	3153.2	3187.3	3216.8	3221.4	3194.1	3200.9	3207.7	3196.4	3223.6
50°	2662.1	2666.7	2664.4	2716.7	2775.8	2755.3	2734.9	2741.7	2739.4	2739.4	2744.0
52.5°	2125.6	2137.0	2123.3	2198.4	2262.0	2246.1	2232.5	2232.5	2243.8	2241.5	2239.3
55°	1636.8	1632.3	1602.7	1639.1	1695.9	1698.2	1677.7	1686.8	1698.2	1709.6	1707.3
57.5°	1218.5	1204.9	1164.0	1166.2	1229.9	1245.8	1227.6	1225.3	1239.0	1243.5	1268.5
60°	820.7	818.4	782.0	779.8	804.8	848.0	827.5	827.5	832.1	838.9	845.7
62.5°	561.5	566.1	552.4	550.2	554.7	591.1	588.8	586.5	584.3	593.4	591.1
65°	441.0	443.3	438.8	438.8	441.0	456.9	472.9	475.1	477.4	479.7	477.4
67.5°	354.6	356.9	352.4	356.9	356.9	359.2	381.9	391.0	393.3	393.3	391.0
70°	272.8	281.9	286.4	286.4	286.4	286.4	302.4	313.7	311.5	297.8	284.2
72.5°	136.4	166.0	229.6	231.9	229.6	227.3	236.4	247.8	245.5	172.8	129.6
75°	90.9	97.8	179.6	188.7	186.4	177.3	186.4	200.1	195.5	111.4	106.8
77.5°	52.3	56.8	120.5	138.7	150.0	129.6	147.8	161.4	154.6	90.9	88.7
80°	40.9	38.6	86.4	106.8	102.3	81.8	120.5	129.6	118.2	68.2	61.4
82.5°	25.0	25.0	56.8	81.8	75.0	47.7	84.1	100.0	88.7	50.0	45.5
85°	13.6	15.9	27.3	40.9	43.2	31.8	45.5	54.6	54.6	31.8	31.8
87.5°	6.8	6.8	9.1	9.1	11.4	13.6	13.6	15.9	11.4	9.1	9.1
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)