

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: P524203

Luminaire Tested: **IFLD-M-SA4A-940-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524203
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-940-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

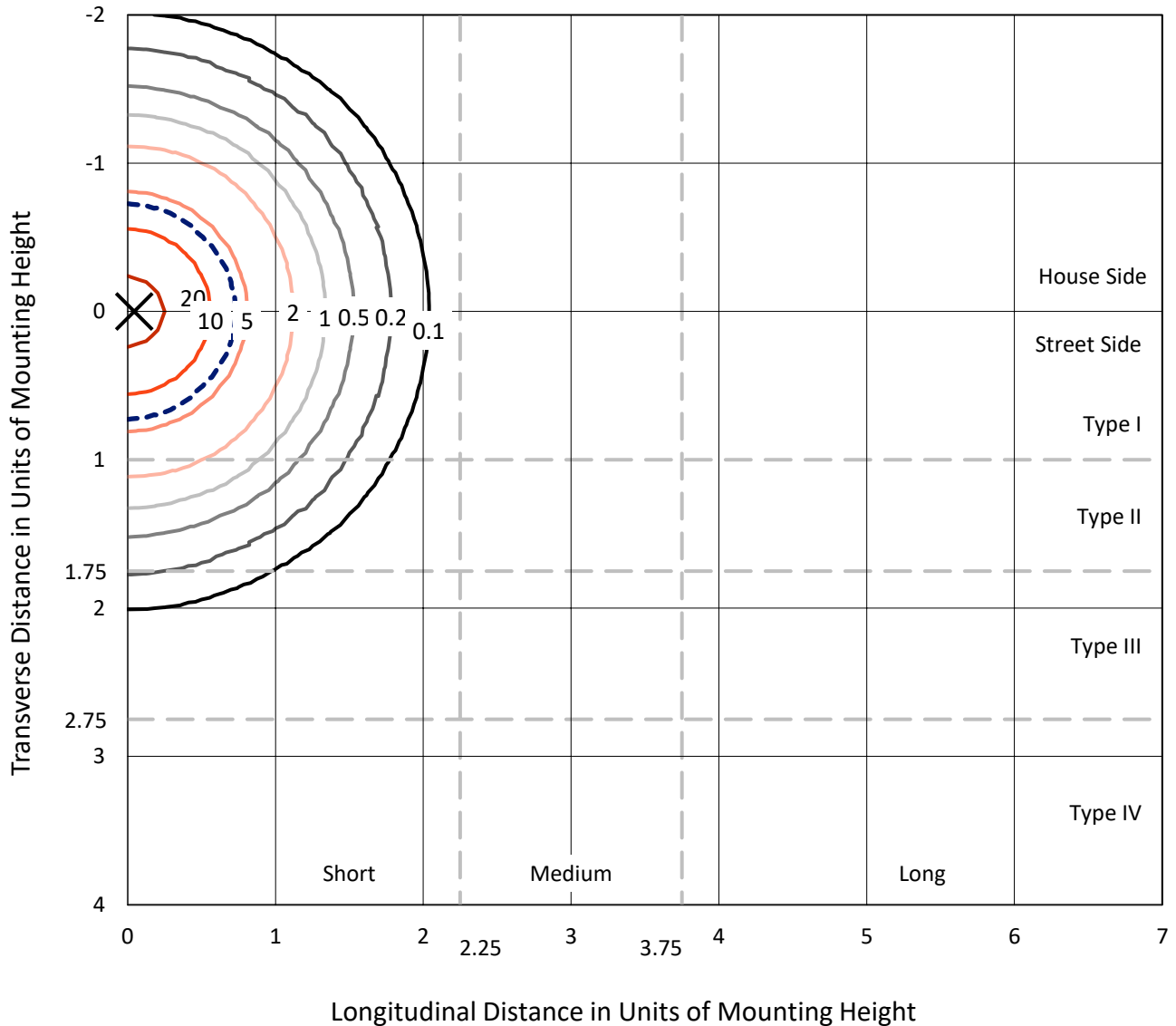
Lumens per Lamp: N/A
Luminaire Lumens: 13845.8 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 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

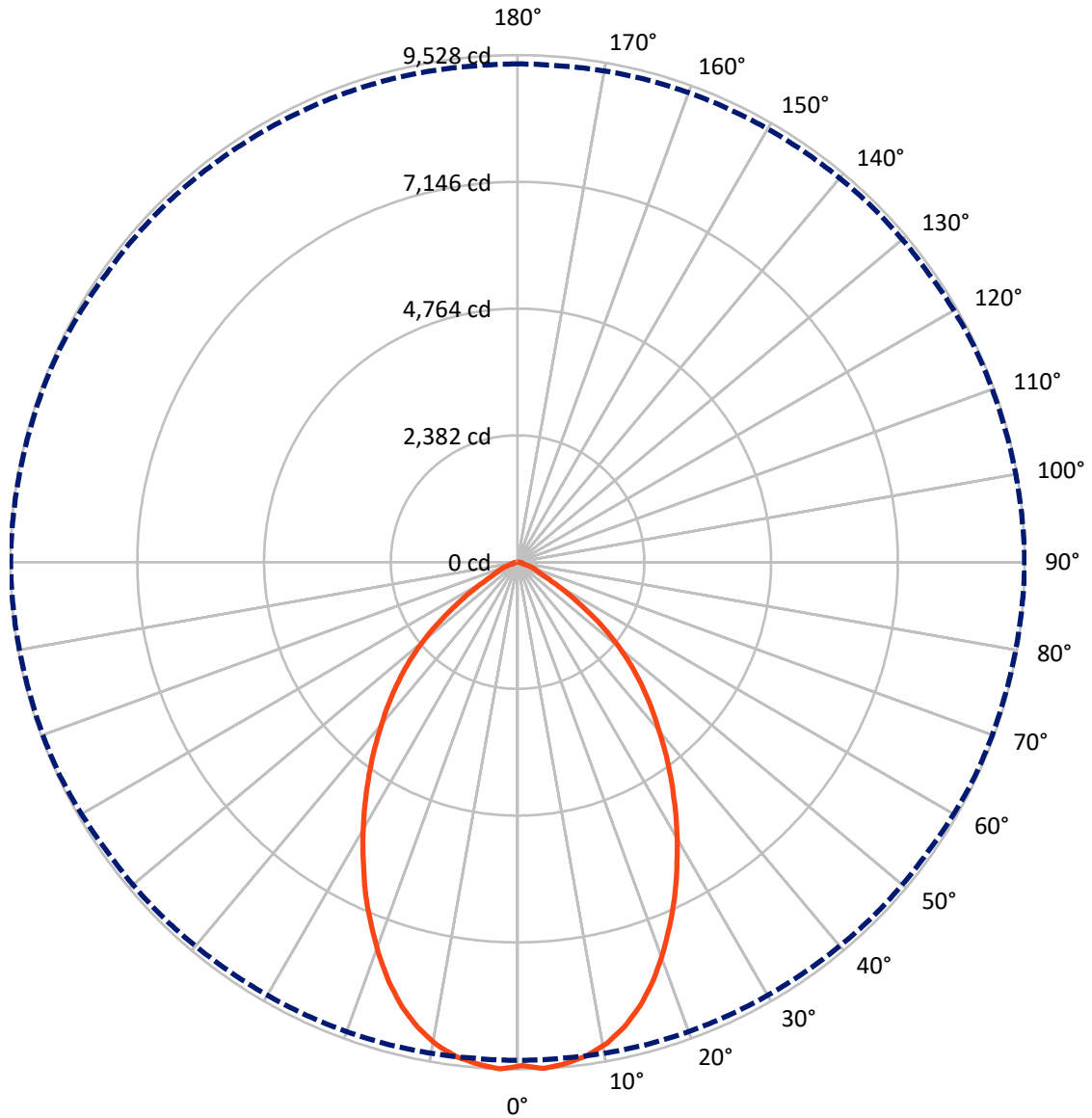
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 23.7 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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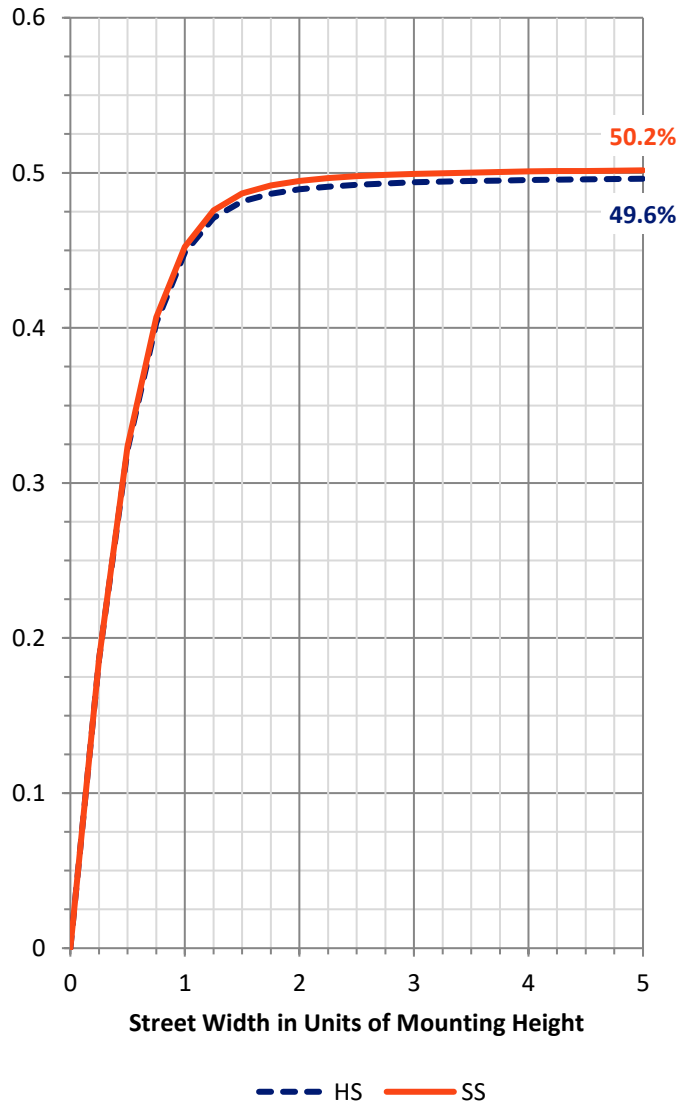
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6922.9	0.0	6922.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6922.9	0.0	6922.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	13845.8	0.0	13845.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.4	6.4
10°-20°	2387.3	17.2
20°-30°	3088.6	22.3
30°-40°	3046.1	22.0
40°-50°	2464.5	17.8
50°-60°	1341.8	9.7
60°-70°	425.2	3.1
70°-80°	164.5	1.2
80°-90°	39.3	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°	13845.8	100.0
0°-180°	13845.8	100.0

Coefficient of Utilization



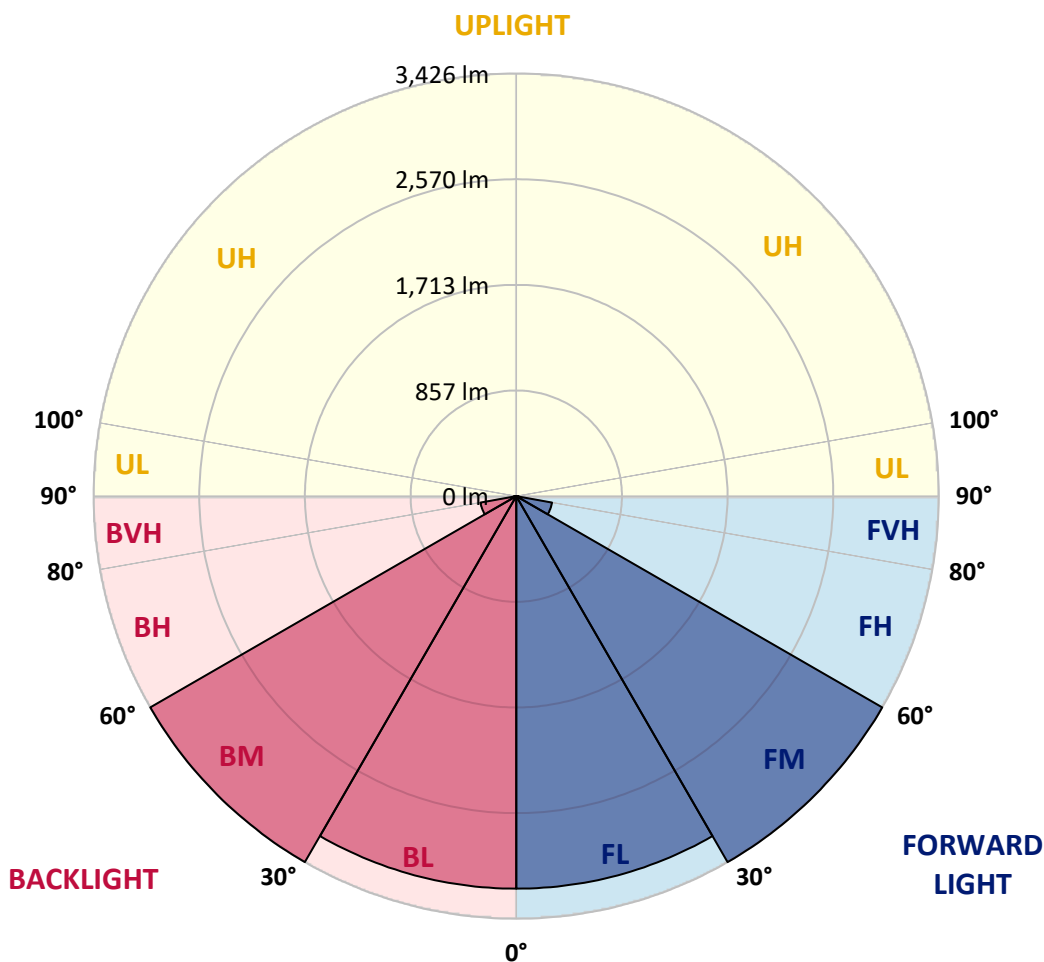
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3182.2	23.0			
FM (30°-60°)	3426.2	24.7			
FH (60°-80°)	294.8	2.1			G0/660
FVH (80°-90°)	19.7	0.1			G1/100
BL (0°-30°)	3182.2	23.0	B4/5000		
BM (30°-60°)	3426.2	24.7	B3/5000		
BH (60°-80°)	294.8	2.1	B1/500		G0/660
BVH (80°-90°)	19.7	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°	9464.0	9464.0	9464.0	9464.0	9464.0	9464.0	9464.0	9464.0	9464.0	9464.0	9464.0
2.5°	9362.0	9360.0	9384.0	9394.0	9406.0	9430.0	9438.0	9490.0	9496.0	9516.0	9528.0
5°	9346.0	9338.0	9362.0	9366.0	9380.0	9384.0	9396.0	9432.0	9428.0	9458.0	9464.0
7.5°	9260.0	9250.0	9270.0	9274.0	9294.0	9288.0	9308.0	9334.0	9334.0	9356.0	9366.0
10°	9067.9	9065.9	9085.9	9087.9	9115.9	9109.9	9141.9	9147.9	9163.9	9179.9	9197.9
12.5°	8837.9	8811.9	8837.9	8827.9	8865.9	8843.9	8887.9	8901.9	8909.9	8937.9	8951.9
15°	8541.8	8509.8	8527.8	8517.8	8541.8	8513.8	8559.8	8587.8	8597.8	8625.8	8639.8
17.5°	8145.7	8119.7	8123.7	8109.7	8125.7	8103.7	8147.7	8191.7	8205.7	8235.7	8255.7
20°	7647.6	7647.6	7649.6	7637.6	7651.6	7629.6	7657.6	7725.6	7739.6	7779.6	7813.7
22.5°	7161.5	7161.5	7167.5	7151.5	7155.5	7145.5	7175.5	7241.5	7263.5	7305.5	7347.6
25°	6695.4	6687.4	6691.4	6677.4	6661.4	6665.4	6701.4	6743.4	6791.4	6845.4	6877.5
27.5°	6251.3	6261.3	6237.3	6227.3	6215.3	6193.3	6235.3	6287.3	6321.3	6365.3	6381.3
30°	5777.2	5797.2	5779.2	5771.2	5741.2	5713.2	5757.2	5809.2	5843.2	5885.2	5903.2
32.5°	5355.1	5349.1	5333.1	5315.1	5285.1	5263.1	5281.1	5341.1	5367.1	5411.1	5417.1
35°	4903.0	4899.0	4889.0	4853.0	4843.0	4817.0	4833.0	4885.0	4905.0	4931.0	4951.0
37.5°	4460.9	4446.9	4442.9	4428.9	4410.9	4404.9	4404.9	4432.9	4452.9	4478.9	4499.0
40°	4022.8	4026.9	4014.8	4002.8	3996.8	3988.8	3990.8	4006.8	4022.8	4034.9	4046.9
42.5°	3626.8	3604.8	3596.8	3584.8	3590.8	3600.8	3578.8	3602.8	3622.8	3622.8	3648.8
45°	3172.7	3182.7	3186.7	3206.7	3206.7	3196.7	3188.7	3200.7	3220.7	3218.7	3244.7
47.5°	2776.6	2764.6	2774.6	2804.6	2830.6	2834.6	2810.6	2816.6	2822.6	2812.6	2836.6
50°	2342.5	2346.5	2344.5	2390.5	2442.5	2424.5	2406.5	2412.5	2410.5	2410.5	2414.5
52.5°	1870.4	1880.4	1868.4	1934.4	1990.4	1976.4	1964.4	1964.4	1974.4	1972.4	1970.4
55°	1440.3	1436.3	1410.3	1442.3	1492.3	1494.3	1476.3	1484.3	1494.3	1504.3	1502.3
57.5°	1072.2	1060.2	1024.2	1026.2	1082.2	1096.2	1080.2	1078.2	1090.2	1094.2	1116.2
60°	722.2	720.2	688.1	686.1	708.1	746.2	728.2	728.2	732.2	738.2	744.2
62.5°	494.1	498.1	486.1	484.1	488.1	520.1	518.1	516.1	514.1	522.1	520.1
65°	388.1	390.1	386.1	386.1	388.1	402.1	416.1	418.1	420.1	422.1	420.1
67.5°	312.1	314.1	310.1	314.1	314.1	316.1	336.1	344.1	346.1	346.1	344.1
70°	240.1	248.1	252.1	252.1	252.1	252.1	266.1	276.1	274.1	262.1	250.1
72.5°	120.0	146.0	202.0	204.0	202.0	200.0	208.0	218.0	216.0	152.0	114.0
75°	80.0	86.0	158.0	166.0	164.0	156.0	164.0	176.0	172.0	98.0	94.0
77.5°	46.0	50.0	106.0	122.0	132.0	114.0	130.0	142.0	136.0	80.0	78.0
80°	36.0	34.0	76.0	94.0	90.0	72.0	106.0	114.0	104.0	60.0	54.0
82.5°	22.0	22.0	50.0	72.0	66.0	42.0	74.0	88.0	78.0	44.0	40.0
85°	12.0	14.0	24.0	36.0	38.0	28.0	40.0	48.0	48.0	28.0	28.0
87.5°	6.0	6.0	8.0	8.0	10.0	12.0	12.0	14.0	10.0	8.0	8.0
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)