

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: P524127

Luminaire Tested: **IFLD-M-SA4C-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524127
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

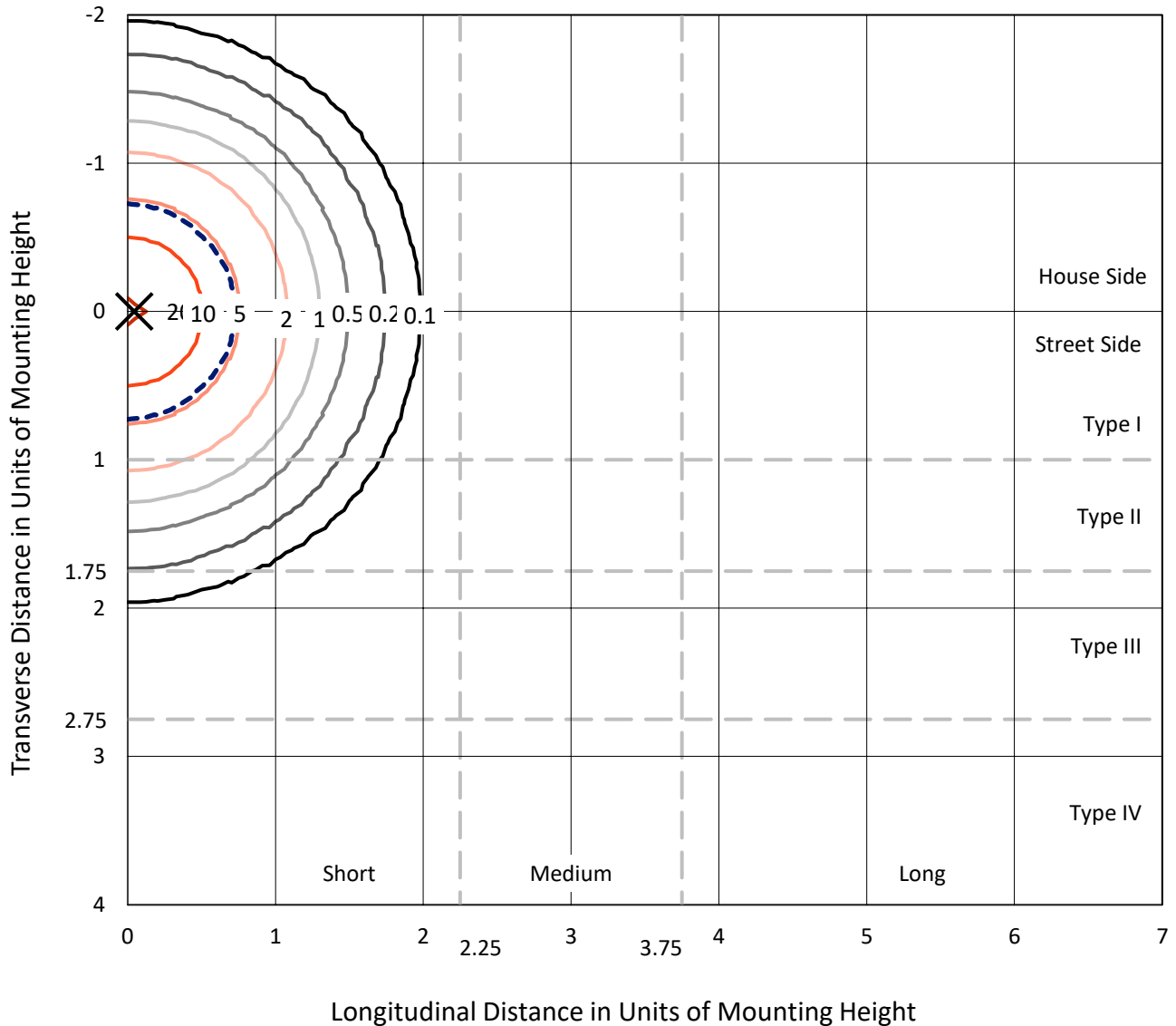
Lumens per Lamp: N/A
Luminaire Lumens: 18880.1 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

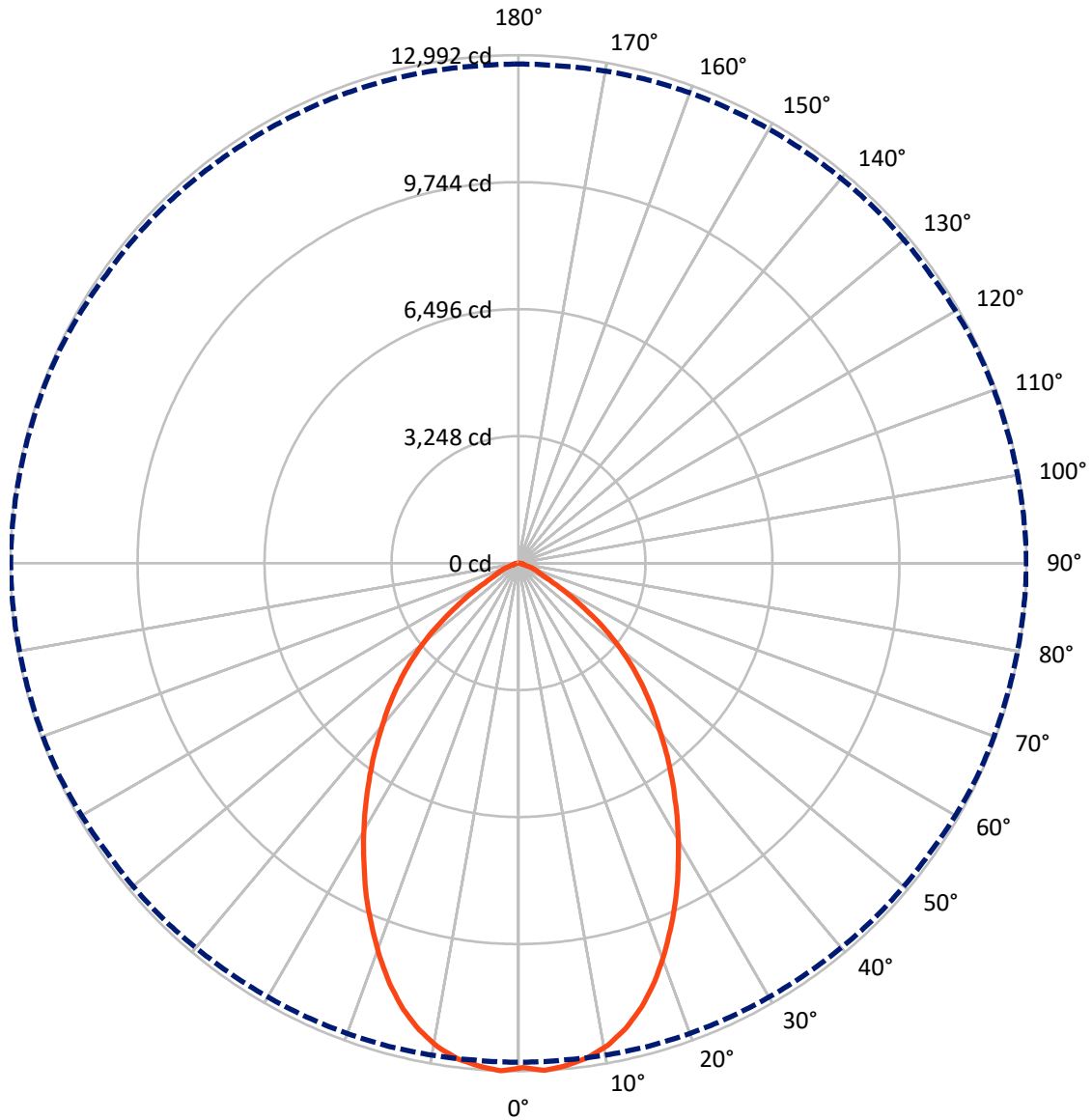
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.6 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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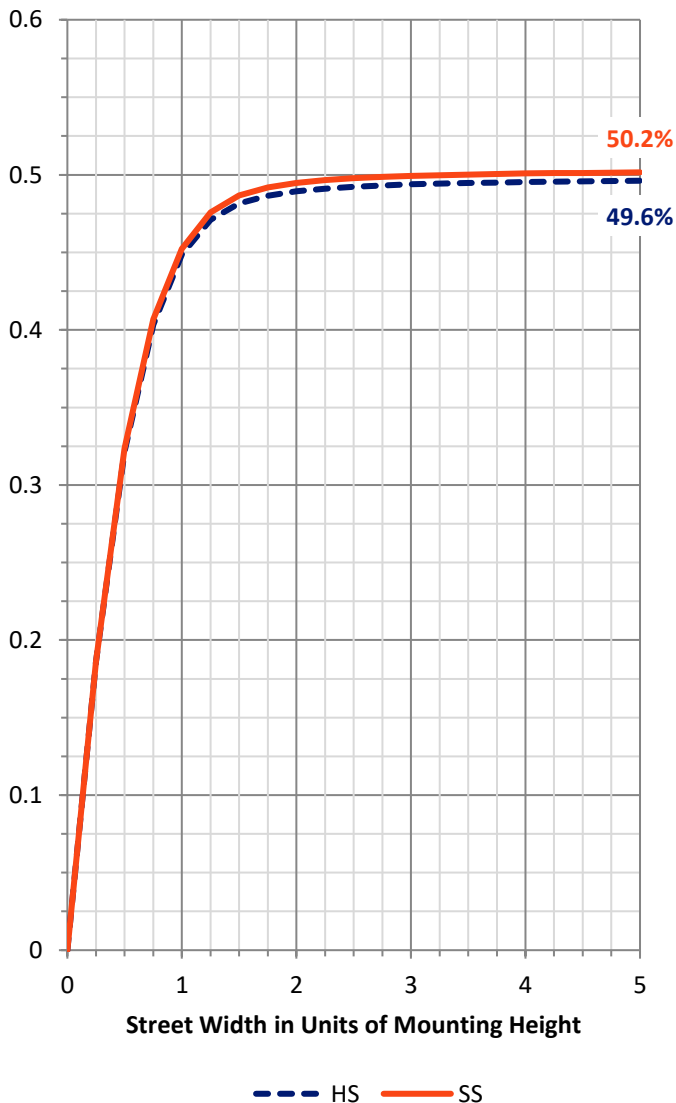
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9440.0	0.0	9440.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9440.0	0.0	9440.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18880.1	0.0	18880.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1211.5	6.4
10°-20°	3255.3	17.2
20°-30°	4211.7	22.3
30°-40°	4153.7	22.0
40°-50°	3360.5	17.8
50°-60°	1829.7	9.7
60°-70°	579.7	3.1
70°-80°	224.3	1.2
80°-90°	53.6	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°	18880.1	100.0
0°-180°	18880.1	100.0



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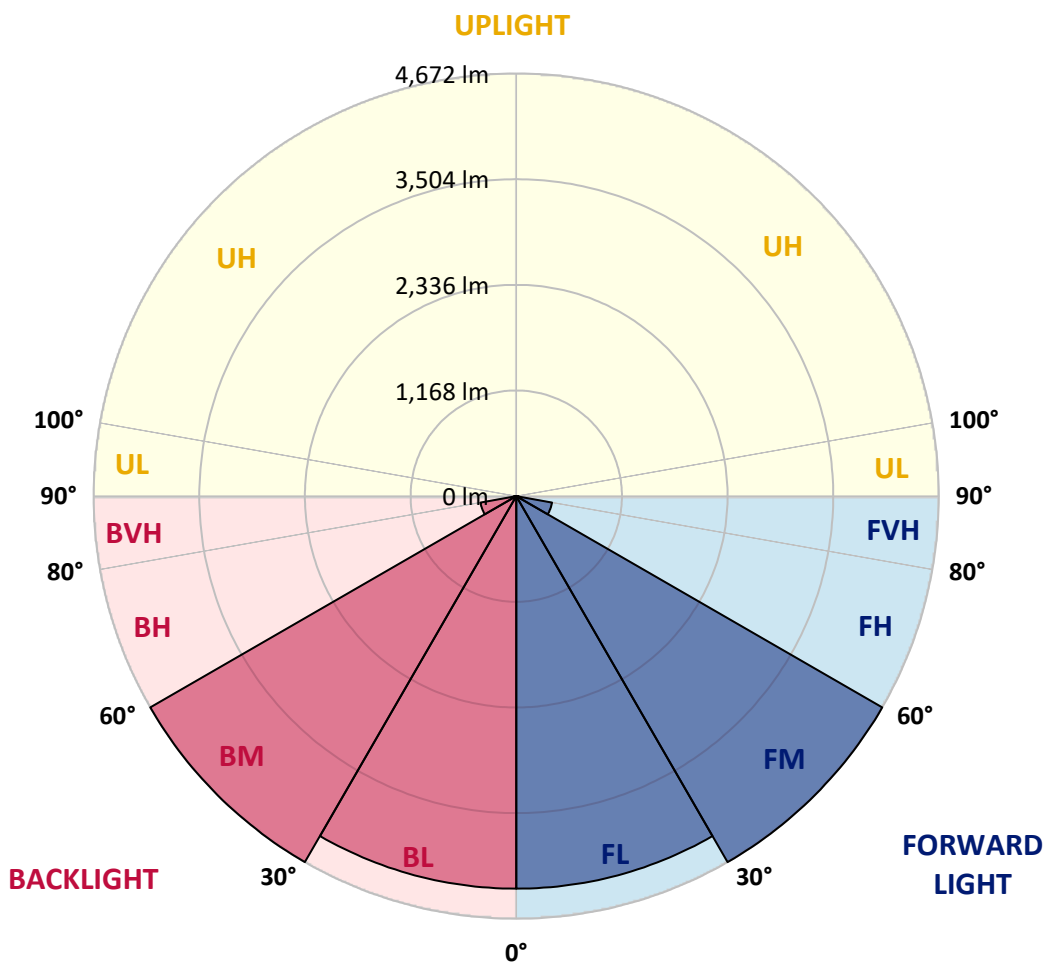
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4339.2	23.0			
FM (30°-60°)	4672.0	24.7			
FH (60°-80°)	402.0	2.1			G0/660
FVH (80°-90°)	26.8	0.1			G1/100
BL (0°-30°)	4339.2	23.0	B4/5000		
BM (30°-60°)	4672.0	24.7	B3/5000		
BH (60°-80°)	402.0	2.1	B1/500		G0/660
BVH (80°-90°)	26.8	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°	12905.0	12905.0	12905.0	12905.0	12905.0	12905.0	12905.0	12905.0	12905.0	12905.0	12905.0
2.5°	12765.9	12763.2	12795.9	12809.6	12825.9	12858.7	12869.6	12940.5	12948.7	12975.9	12992.3
5°	12744.1	12733.2	12765.9	12771.4	12790.5	12795.9	12812.3	12861.4	12855.9	12896.8	12905.0
7.5°	12626.8	12613.2	12640.4	12645.9	12673.2	12665.0	12692.3	12727.7	12727.7	12757.7	12771.4
10°	12364.9	12362.2	12389.5	12392.2	12430.4	12422.2	12465.9	12474.0	12495.9	12517.7	12542.2
12.5°	12051.2	12015.8	12051.2	12037.6	12089.4	12059.4	12119.4	12138.5	12149.4	12187.6	12206.7
15°	11647.5	11603.9	11628.4	11614.8	11647.5	11609.3	11672.1	11710.3	11723.9	11762.1	11781.2
17.5°	11107.4	11072.0	11077.4	11058.3	11080.2	11050.2	11110.2	11170.2	11189.3	11230.2	11257.5
20°	10428.2	10428.2	10430.9	10414.6	10433.7	10403.7	10441.9	10534.6	10553.7	10608.3	10654.6
22.5°	9765.4	9765.4	9773.6	9751.7	9757.2	9743.6	9784.5	9874.5	9904.5	9961.8	10019.1
25°	9129.8	9118.9	9124.4	9105.3	9083.4	9088.9	9138.0	9195.3	9260.7	9334.4	9378.0
27.5°	8524.2	8537.9	8505.2	8491.5	8475.1	8445.1	8502.4	8573.3	8619.7	8679.7	8701.6
30°	7877.8	7905.0	7880.5	7869.6	7828.7	7790.5	7850.5	7921.4	7967.8	8025.1	8049.6
32.5°	7302.2	7294.0	7272.2	7247.7	7206.7	7176.7	7201.3	7283.1	7318.6	7378.6	7386.8
35°	6685.7	6680.3	6666.6	6617.5	6603.9	6568.4	6590.3	6661.2	6688.5	6723.9	6751.2
37.5°	6082.9	6063.8	6058.4	6039.3	6014.7	6006.5	6006.5	6044.7	6072.0	6107.5	6134.7
40°	5485.5	5491.0	5474.6	5458.2	5450.1	5439.2	5441.9	5463.7	5485.5	5501.9	5518.3
42.5°	4945.4	4915.4	4904.5	4888.1	4896.3	4910.0	4880.0	4912.7	4940.0	4940.0	4975.4
45°	4326.2	4339.9	4345.3	4372.6	4372.6	4359.0	4348.0	4364.4	4391.7	4389.0	4424.4
47.5°	3786.1	3769.8	3783.4	3824.3	3859.8	3865.2	3832.5	3840.7	3848.9	3835.2	3868.0
50°	3194.2	3199.7	3196.9	3259.7	3330.6	3306.0	3281.5	3289.7	3286.9	3286.9	3292.4
52.5°	2550.5	2564.1	2547.7	2637.7	2714.1	2695.0	2678.7	2678.7	2692.3	2689.6	2686.8
55°	1964.0	1958.5	1923.1	1966.7	2034.9	2037.6	2013.1	2024.0	2037.6	2051.3	2048.5
57.5°	1462.1	1445.7	1396.6	1399.3	1475.7	1494.8	1473.0	1470.3	1486.6	1492.1	1522.1
60°	984.7	982.0	938.3	935.6	965.6	1017.5	992.9	992.9	998.4	1006.5	1014.7
62.5°	673.8	679.2	662.8	660.1	665.6	709.2	706.5	703.8	701.0	711.9	709.2
65°	529.2	531.9	526.5	526.5	529.2	548.3	567.4	570.1	572.8	575.6	572.8
67.5°	425.5	428.3	422.8	428.3	428.3	431.0	458.3	469.2	471.9	471.9	469.2
70°	327.3	338.2	343.7	343.7	343.7	343.7	362.8	376.4	373.7	357.3	341.0
72.5°	163.7	199.1	275.5	278.2	275.5	272.8	283.7	297.3	294.6	207.3	155.5
75°	109.1	117.3	215.5	226.4	223.7	212.8	223.7	240.0	234.6	133.7	128.2
77.5°	62.7	68.2	144.6	166.4	180.0	155.5	177.3	193.7	185.5	109.1	106.4
80°	49.1	46.4	103.7	128.2	122.7	98.2	144.6	155.5	141.8	81.8	73.6
82.5°	30.0	30.0	68.2	98.2	90.0	57.3	100.9	120.0	106.4	60.0	54.6
85°	16.4	19.1	32.7	49.1	51.8	38.2	54.6	65.5	65.5	38.2	38.2
87.5°	8.2	8.2	10.9	10.9	13.6	16.4	16.4	19.1	13.6	10.9	10.9
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)