

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: P524088

Luminaire Tested: **IFLD-M-SA4C-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524088
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

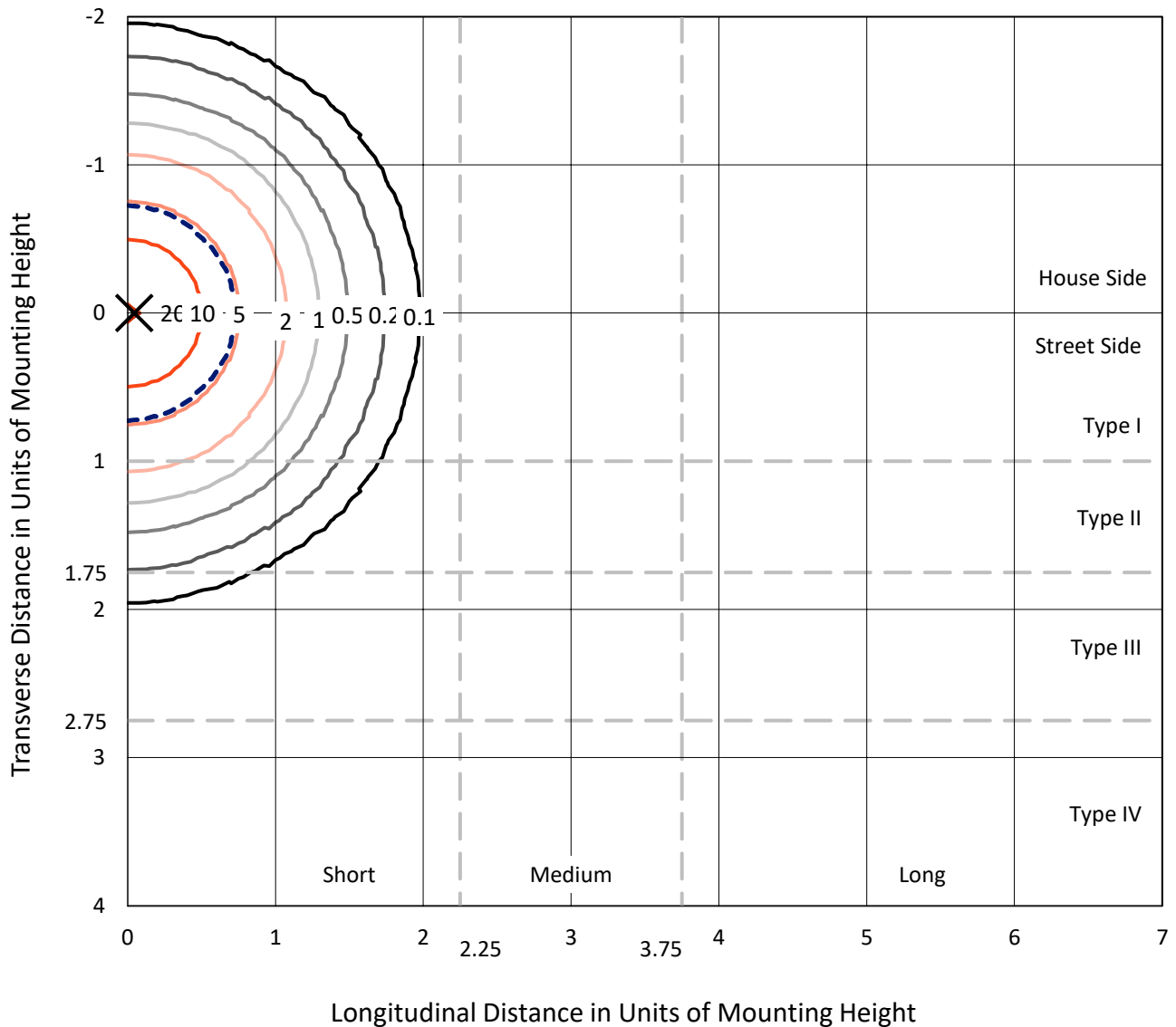
Lumens per Lamp: N/A
Luminaire Lumens: 18675.4 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

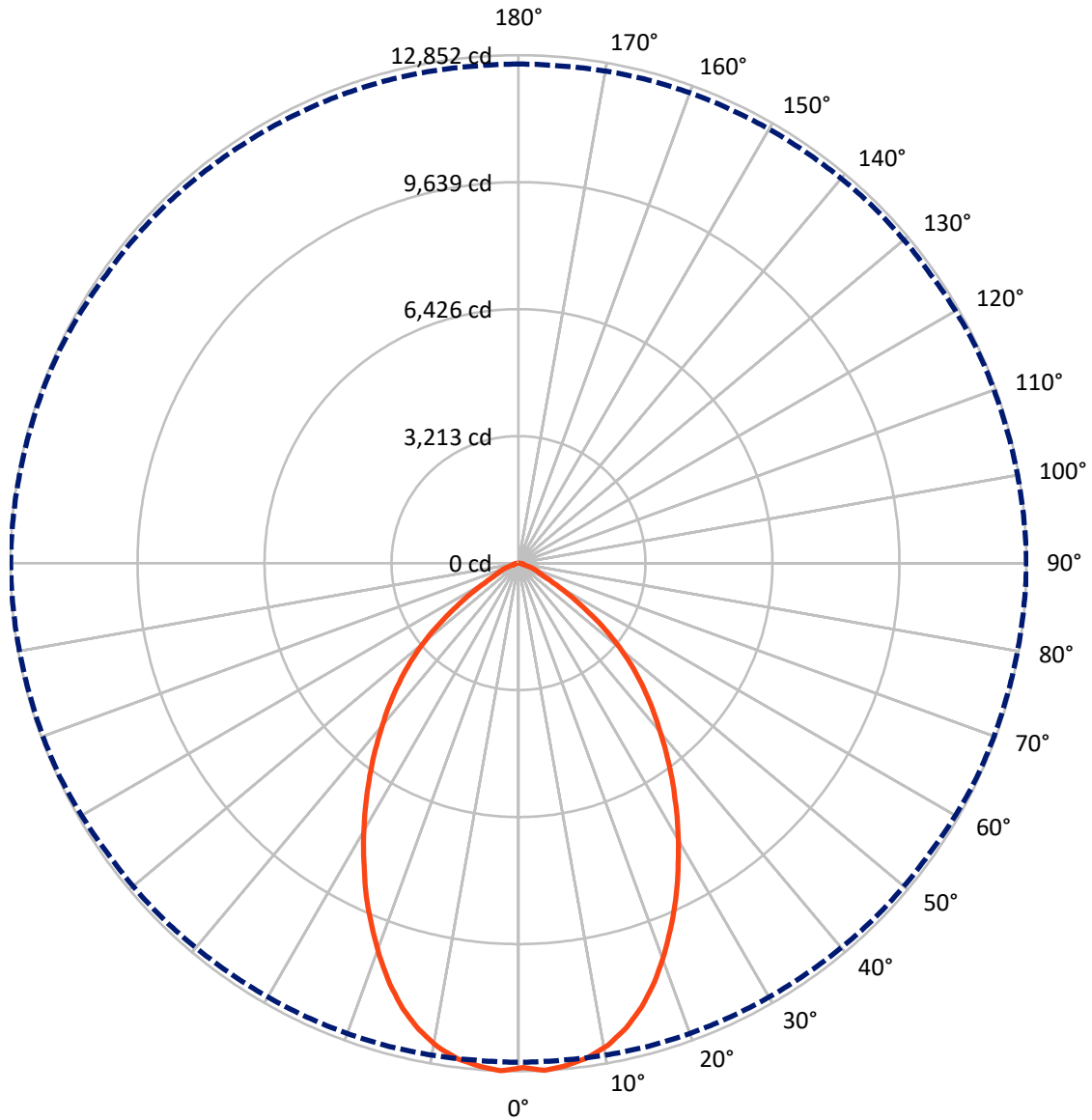
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.4 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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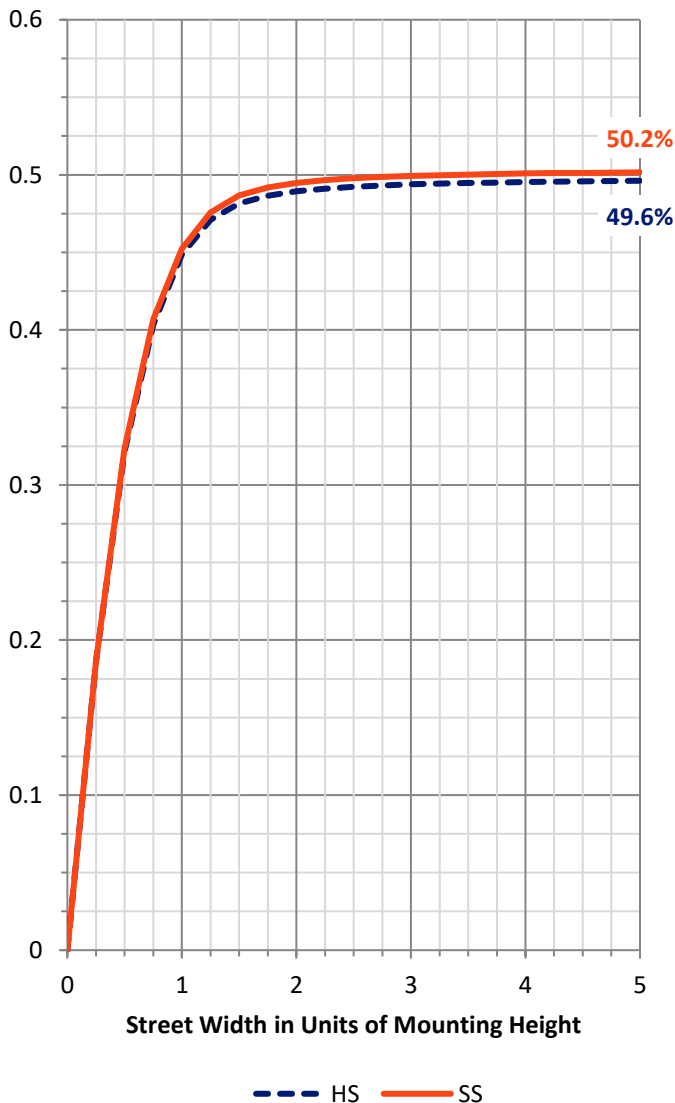
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9337.7	0.0	9337.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9337.7	0.0	9337.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18675.4	0.0	18675.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1198.3	6.4
10°-20°	3220.0	17.2
20°-30°	4166.0	22.3
30°-40°	4108.7	22.0
40°-50°	3324.1	17.8
50°-60°	1809.9	9.7
60°-70°	573.5	3.1
70°-80°	221.9	1.2
80°-90°	53.0	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°	18675.4	100.0
0°-180°	18675.4	100.0



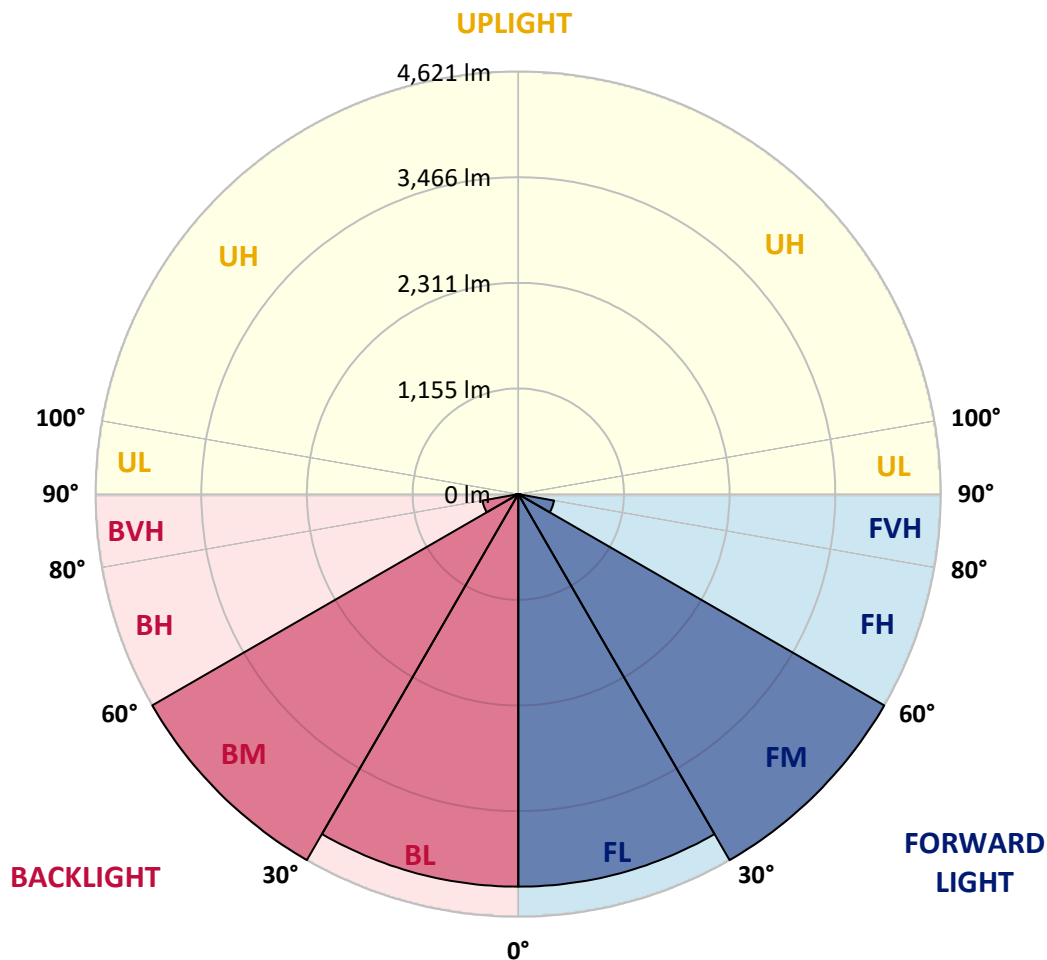
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4292.2	23.0			
FM (30°-60°)	4621.4	24.7			
FH (60°-80°)	397.7	2.1			G0/660
FVH (80°-90°)	26.5	0.1			G1/100
BL (0°-30°)	4292.2	23.0	B4/5000		
BM (30°-60°)	4621.4	24.7	B3/5000		
BH (60°-80°)	397.7	2.1	B1/500		G0/660
BVH (80°-90°)	26.5	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°	12765.2	12765.2	12765.2	12765.2	12765.2	12765.2	12765.2	12765.2	12765.2	12765.2	12765.2
2.5°	12627.5	12624.8	12657.2	12670.7	12686.9	12719.3	12730.1	12800.2	12808.3	12835.3	12851.5
5°	12606.0	12595.2	12627.5	12632.9	12651.8	12657.2	12673.4	12722.0	12716.6	12757.1	12765.2
7.5°	12489.9	12476.4	12503.4	12508.8	12535.8	12527.7	12554.7	12589.8	12589.8	12619.4	12632.9
10°	12230.9	12228.2	12255.2	12257.9	12295.7	12287.6	12330.7	12338.8	12360.4	12382.0	12406.3
12.5°	11920.6	11885.5	11920.6	11907.1	11958.4	11928.7	11988.1	12007.0	12017.8	12055.5	12074.4
15°	11521.3	11478.1	11502.4	11488.9	11521.3	11483.5	11545.6	11583.3	11596.8	11634.6	11653.5
17.5°	10987.0	10952.0	10957.4	10938.5	10960.1	10930.4	10989.7	11049.1	11068.0	11108.5	11135.4
20°	10315.2	10315.2	10317.9	10301.7	10320.6	10290.9	10328.7	10420.4	10439.3	10493.3	10539.1
22.5°	9659.5	9659.5	9667.6	9646.0	9651.4	9637.9	9678.4	9767.5	9797.1	9853.8	9910.5
25°	9030.9	9020.1	9025.5	9006.6	8985.0	8990.4	9038.9	9095.6	9160.4	9233.2	9276.4
27.5°	8431.9	8445.3	8413.0	8399.5	8383.3	8353.6	8410.3	8480.4	8526.3	8585.6	8607.2
30°	7792.4	7819.4	7795.1	7784.3	7743.8	7706.0	7765.4	7835.6	7881.4	7938.1	7962.4
32.5°	7223.1	7215.0	7193.4	7169.1	7128.6	7098.9	7123.2	7204.2	7239.3	7298.6	7306.7
35°	6613.3	6607.9	6594.4	6545.8	6532.3	6497.2	6518.8	6589.0	6616.0	6651.0	6678.0
37.5°	6017.0	5998.1	5992.7	5973.8	5949.5	5941.4	5941.4	5979.2	6006.2	6041.3	6068.2
40°	5426.1	5431.5	5415.3	5399.1	5391.0	5380.2	5382.9	5404.5	5426.1	5442.3	5458.4
42.5°	4891.8	4862.1	4851.4	4835.2	4843.3	4856.7	4827.1	4859.4	4886.4	4886.4	4921.5
45°	4279.3	4292.8	4298.2	4325.2	4325.2	4311.7	4300.9	4317.1	4344.1	4341.4	4376.5
47.5°	3745.1	3728.9	3742.4	3782.9	3817.9	3823.3	3791.0	3799.1	3807.2	3793.7	3826.0
50°	3159.6	3165.0	3162.3	3224.3	3294.5	3270.2	3245.9	3254.0	3251.3	3251.3	3256.7
52.5°	2522.8	2536.3	2520.1	2609.2	2684.7	2665.8	2649.6	2649.6	2663.1	2660.4	2657.7
55°	1942.7	1937.3	1902.2	1945.4	2012.9	2015.6	1991.3	2002.1	2015.6	2029.0	2026.3
57.5°	1446.2	1430.0	1381.5	1384.2	1459.7	1478.6	1457.0	1454.3	1470.5	1475.9	1505.6
60°	974.0	971.3	928.2	925.5	955.2	1006.4	982.1	982.1	987.5	995.6	1003.7
62.5°	666.5	671.9	655.7	653.0	658.4	701.5	698.8	696.1	693.4	704.2	701.5
65°	523.4	526.1	520.8	520.8	523.4	542.3	561.2	563.9	566.6	569.3	566.6
67.5°	420.9	423.6	418.2	423.6	423.6	426.3	453.3	464.1	466.8	466.8	464.1
70°	323.8	334.6	340.0	340.0	340.0	340.0	358.9	372.4	369.7	353.5	337.3
72.5°	161.9	197.0	272.5	275.2	272.5	269.8	280.6	294.1	291.4	205.1	153.8
75°	107.9	116.0	213.2	224.0	221.3	210.5	221.3	237.4	232.0	132.2	126.8
77.5°	62.1	67.5	143.0	164.6	178.1	153.8	175.4	191.6	183.5	107.9	105.2
80°	48.6	45.9	102.5	126.8	121.4	97.1	143.0	153.8	140.3	80.9	72.9
82.5°	29.7	29.7	67.5	97.1	89.0	56.7	99.8	118.7	105.2	59.4	54.0
85°	16.2	18.9	32.4	48.6	51.3	37.8	54.0	64.8	64.8	37.8	37.8
87.5°	8.1	8.1	10.8	10.8	13.5	16.2	16.2	18.9	13.5	10.8	10.8
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)