

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: P524087

Luminaire Tested: **IFLD-M-SA4B-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524087
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-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

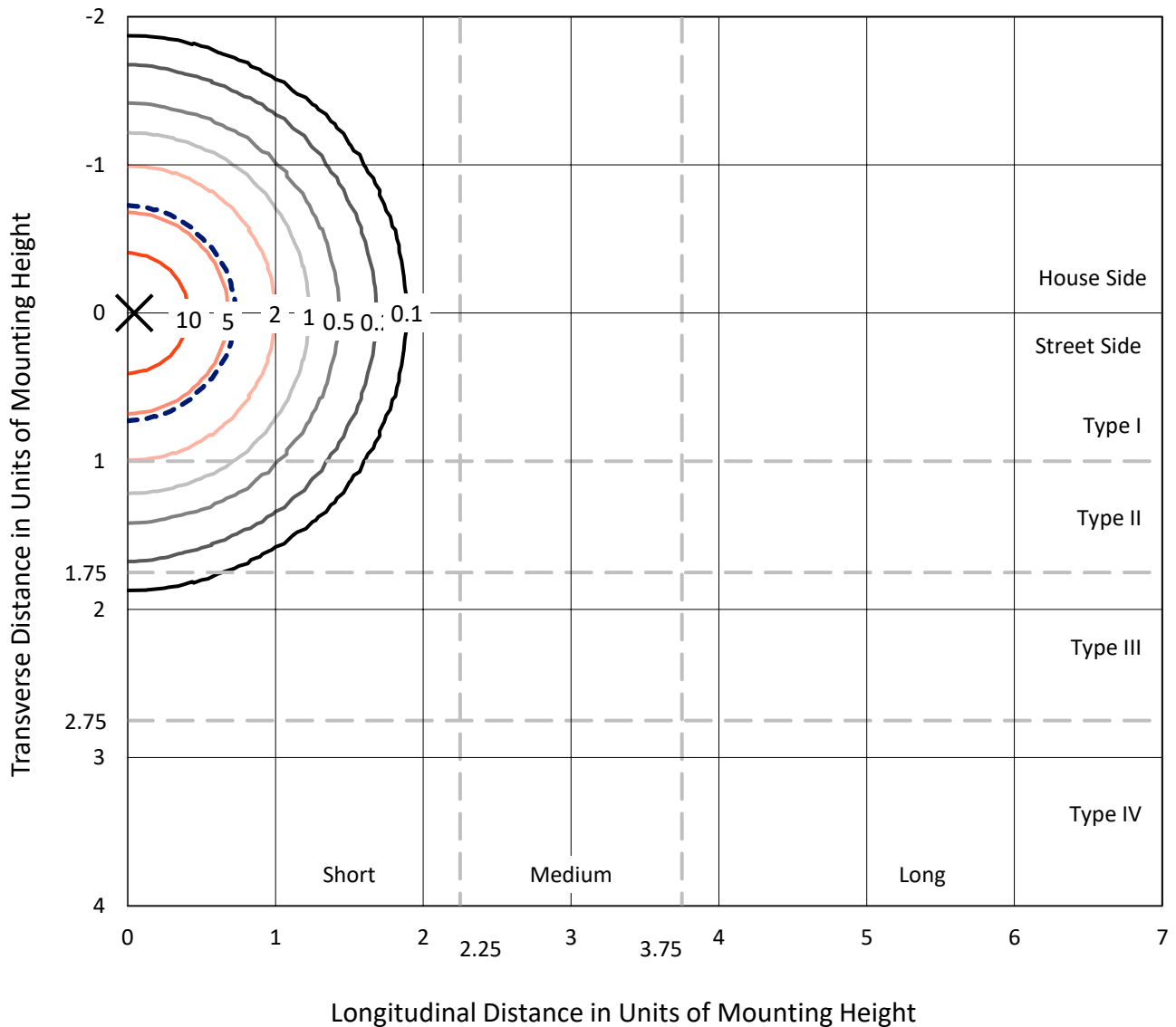
Lumens per Lamp: N/A
Luminaire Lumens: 15002.1 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

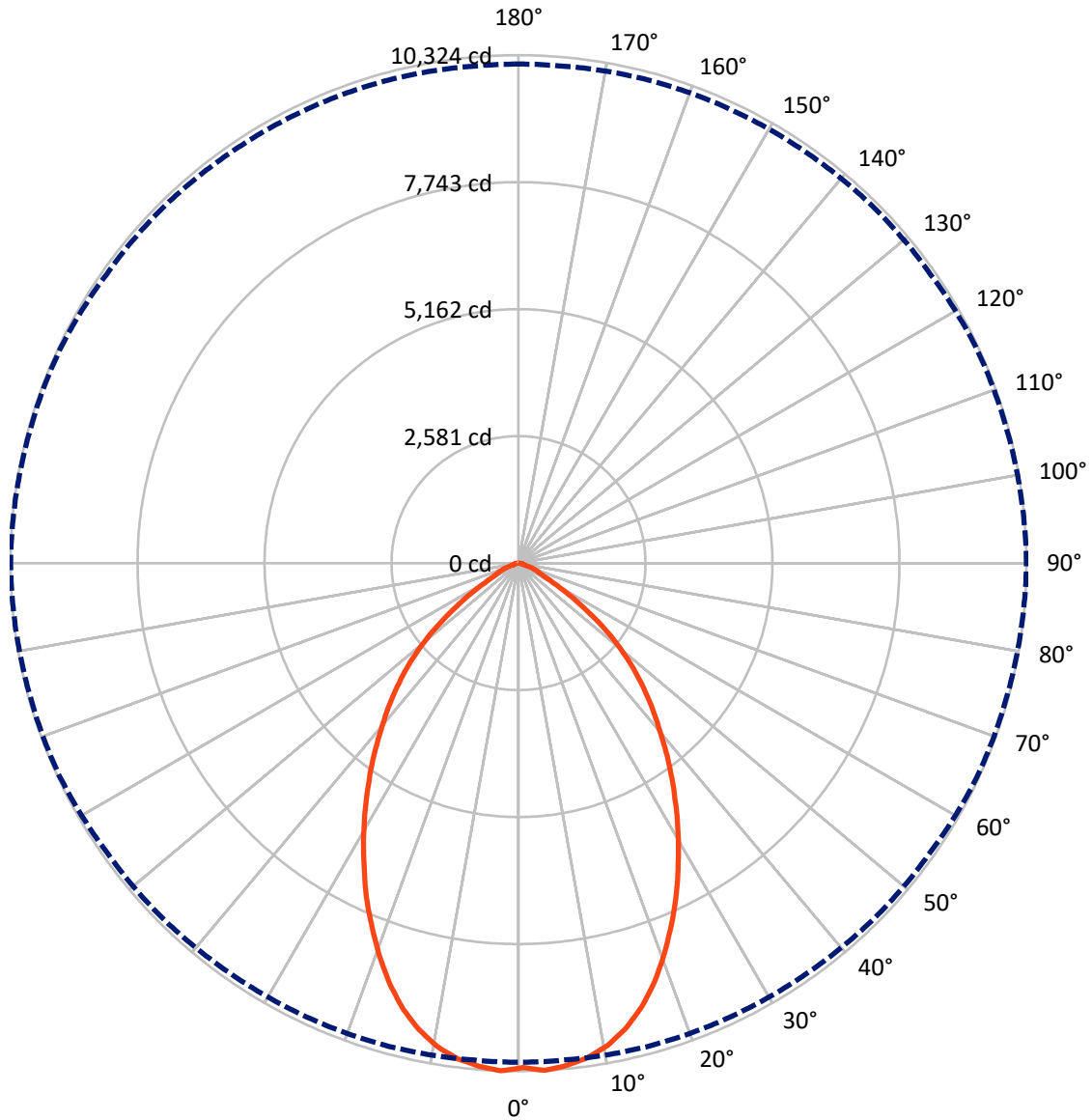
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 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	7501.1	0.0	7501.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7501.1	0.0	7501.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15002.1	0.0	15002.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.6	6.4
10°-20°	2586.6	17.2
20°-30°	3346.6	22.3
30°-40°	3300.6	22.0
40°-50°	2670.3	17.8
50°-60°	1453.9	9.7
60°-70°	460.7	3.1
70°-80°	178.2	1.2
80°-90°	42.6	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°	15002.1	100.0
0°-180°	15002.1	100.0

Coefficient of Utilization



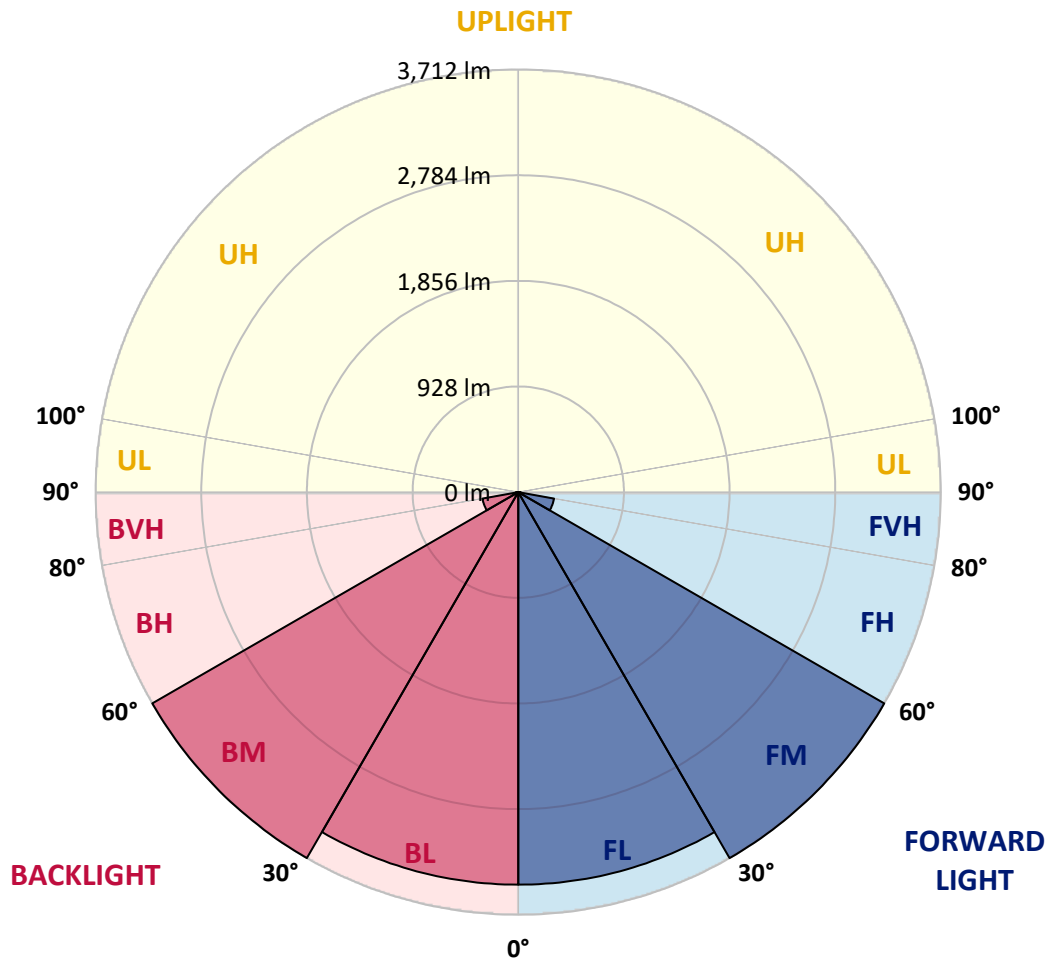
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3447.9	23.0			
FM (30°-60°)	3712.4	24.7			
FH (60°-80°)	319.4	2.1			G0/660
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	3447.9	23.0	B4/5000		
BM (30°-60°)	3712.4	24.7	B3/5000		
BH (60°-80°)	319.4	2.1	B1/500		G0/660
BVH (80°-90°)	21.3	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°	10254.4	10254.4	10254.4	10254.4	10254.4	10254.4	10254.4	10254.4	10254.4	10254.4	10254.4
2.5°	10143.8	10141.7	10167.7	10178.5	10191.5	10217.5	10226.2	10282.5	10289.0	10310.7	10323.7
5°	10126.5	10117.8	10143.8	10148.2	10163.3	10167.7	10180.7	10219.7	10215.4	10247.9	10254.4
7.5°	10033.3	10022.4	10044.1	10048.5	10070.1	10063.6	10085.3	10113.5	10113.5	10137.3	10148.2
10°	9825.2	9823.0	9844.7	9846.9	9877.2	9870.7	9905.4	9911.9	9929.2	9946.6	9966.1
12.5°	9575.9	9547.8	9575.9	9565.1	9606.3	9582.4	9630.1	9645.3	9654.0	9684.3	9699.5
15°	9255.2	9220.5	9240.0	9229.1	9255.2	9224.8	9274.7	9305.0	9315.8	9346.2	9361.4
17.5°	8826.0	8797.8	8802.2	8787.0	8804.3	8780.5	8828.2	8875.8	8891.0	8923.5	8945.2
20°	8286.3	8286.3	8288.5	8275.5	8290.6	8266.8	8297.1	8370.8	8386.0	8429.3	8466.2
22.5°	7759.6	7759.6	7766.1	7748.8	7753.1	7742.3	7774.8	7846.3	7870.1	7915.7	7961.2
25°	7254.6	7245.9	7250.2	7235.1	7217.7	7222.1	7261.1	7306.6	7358.6	7417.1	7451.8
27.5°	6773.4	6784.2	6758.2	6747.4	6734.4	6710.5	6756.0	6812.4	6849.3	6896.9	6914.3
30°	6259.7	6281.4	6261.9	6253.2	6220.7	6190.3	6238.0	6294.4	6331.2	6376.7	6396.2
32.5°	5802.4	5795.9	5778.5	5759.0	5726.5	5702.7	5722.2	5787.2	5815.4	5863.0	5869.5
35°	5312.5	5308.2	5297.3	5258.3	5247.5	5219.3	5236.6	5293.0	5314.7	5342.8	5364.5
37.5°	4833.5	4818.3	4814.0	4798.8	4779.3	4772.8	4772.8	4803.1	4824.8	4853.0	4874.7
40°	4358.8	4363.1	4350.1	4337.1	4330.6	4322.0	4324.1	4341.5	4358.8	4371.8	4384.8
42.5°	3929.6	3905.8	3897.1	3884.1	3890.6	3901.5	3877.6	3903.6	3925.3	3925.3	3953.5
45°	3437.6	3448.5	3452.8	3474.5	3474.5	3463.6	3455.0	3468.0	3489.6	3487.5	3515.7
47.5°	3008.5	2995.5	3006.3	3038.8	3067.0	3071.3	3045.3	3051.8	3058.3	3047.5	3073.5
50°	2538.1	2542.5	2540.3	2590.1	2646.5	2627.0	2607.5	2614.0	2611.8	2611.8	2616.2
52.5°	2026.6	2037.4	2024.4	2096.0	2156.6	2141.5	2128.5	2128.5	2139.3	2137.1	2135.0
55°	1560.6	1556.3	1528.1	1562.8	1616.9	1619.1	1599.6	1608.3	1619.1	1629.9	1627.8
57.5°	1161.8	1148.8	1109.8	1111.9	1172.6	1187.8	1170.4	1168.3	1181.3	1185.6	1209.5
60°	782.5	780.3	745.6	743.4	767.3	808.5	789.0	789.0	793.3	799.8	806.3
62.5°	535.4	539.7	526.7	524.5	528.9	563.5	561.4	559.2	557.0	565.7	563.5
65°	420.5	422.7	418.3	418.3	420.5	435.7	450.8	453.0	455.2	457.3	455.2
67.5°	338.1	340.3	336.0	340.3	340.3	342.5	364.1	372.8	375.0	375.0	372.8
70°	260.1	268.8	273.1	273.1	273.1	273.1	288.3	299.1	296.9	283.9	270.9
72.5°	130.0	158.2	218.9	221.1	218.9	216.7	225.4	236.3	234.1	164.7	123.5
75°	86.7	93.2	171.2	179.9	177.7	169.1	177.7	190.7	186.4	106.2	101.9
77.5°	49.9	54.2	114.9	132.2	143.1	123.5	140.9	153.9	147.4	86.7	84.5
80°	39.0	36.8	82.4	101.9	97.5	78.0	114.9	123.5	112.7	65.0	58.5
82.5°	23.8	23.8	54.2	78.0	71.5	45.5	80.2	95.4	84.5	47.7	43.3
85°	13.0	15.2	26.0	39.0	41.2	30.3	43.3	52.0	52.0	30.3	30.3
87.5°	6.5	6.5	8.7	8.7	10.8	13.0	13.0	15.2	10.8	8.7	8.7
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)