

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: P524070

Luminaire Tested: **IFLD-S-SA3E-927-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524070
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-927-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

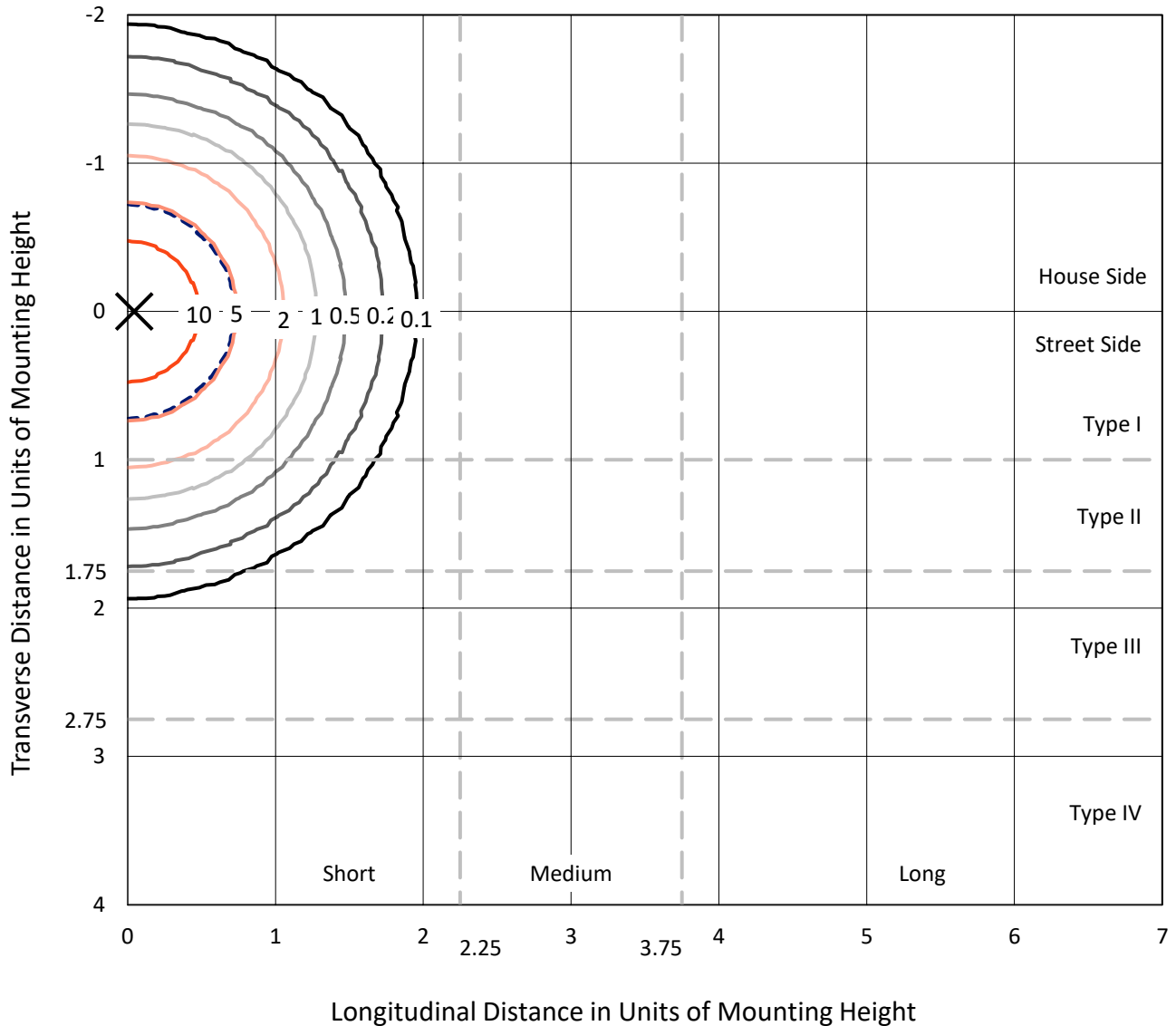
Lumens per Lamp: N/A
Luminaire Lumens: 17717.5 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 232.1
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

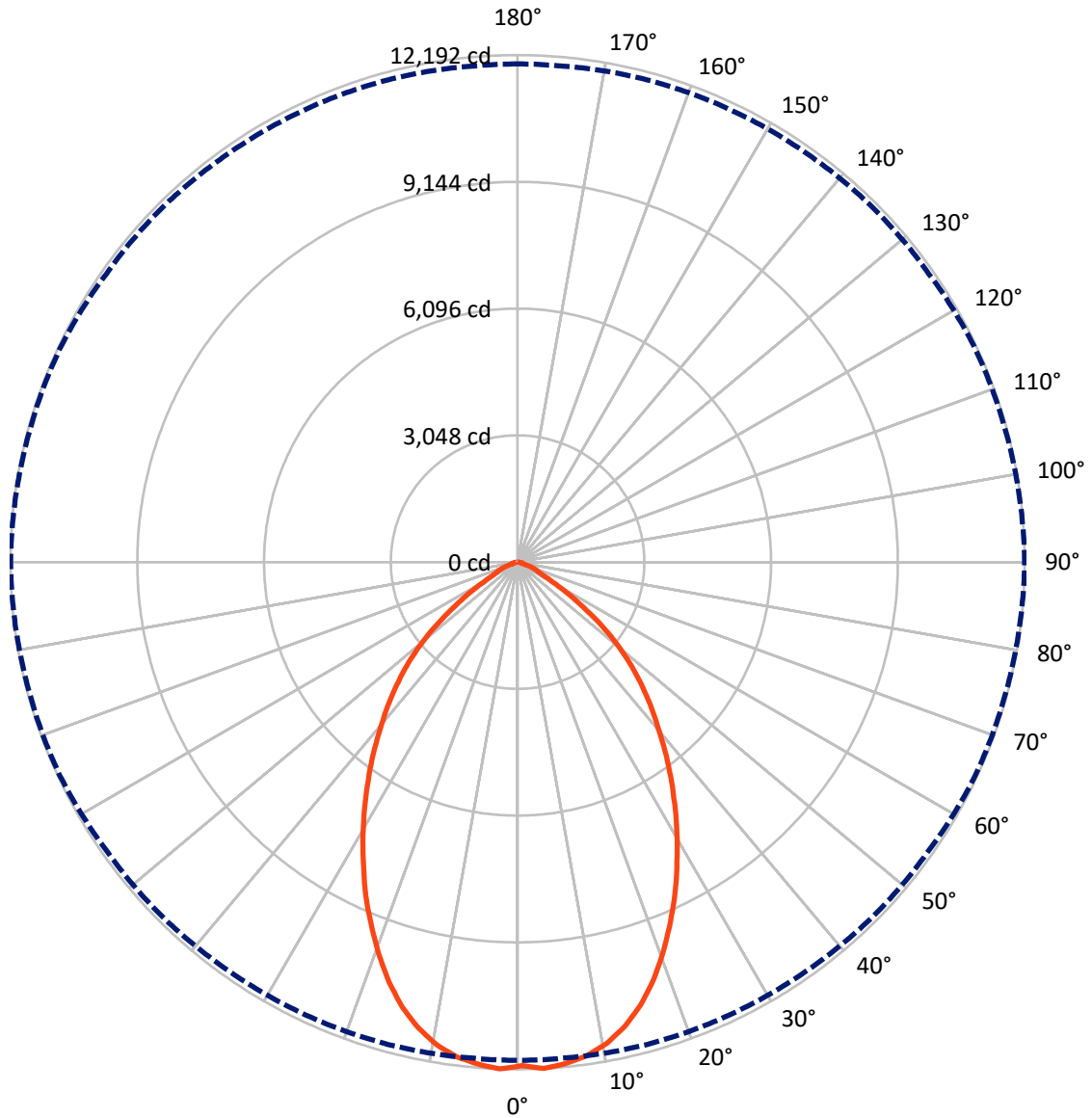
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.4 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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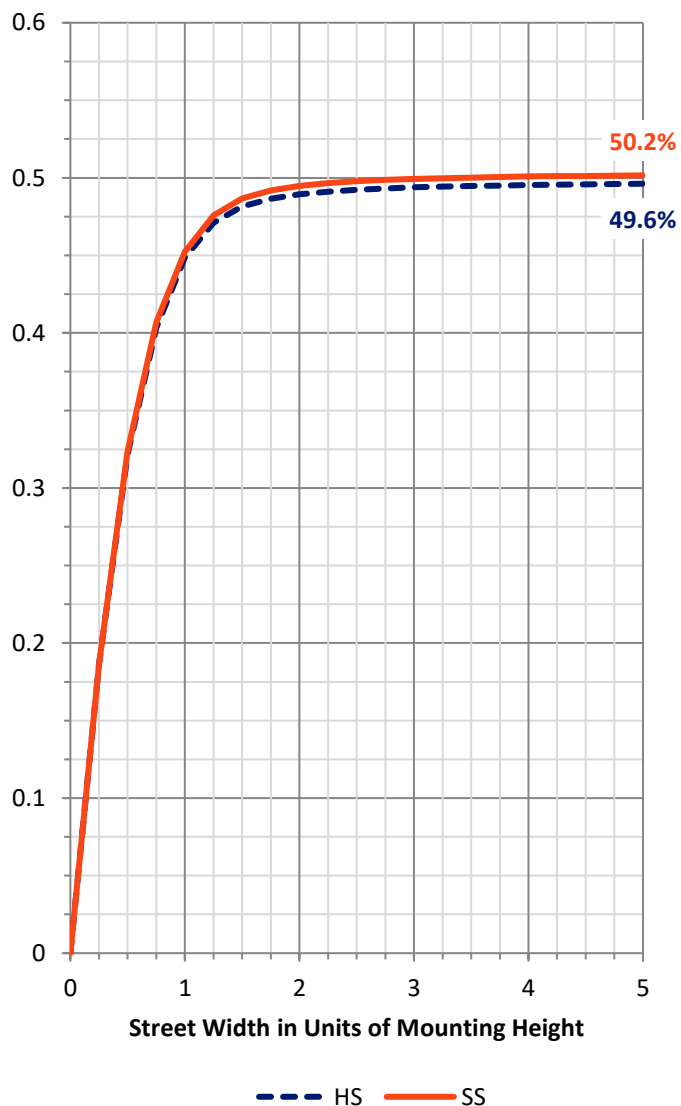
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8858.8	0.0	8858.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8858.8	0.0	8858.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17717.5	0.0	17717.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1136.9	6.4
10°-20°	3054.8	17.2
20°-30°	3952.3	22.3
30°-40°	3898.0	22.0
40°-50°	3153.6	17.8
50°-60°	1717.1	9.7
60°-70°	544.0	3.1
70°-80°	210.5	1.2
80°-90°	50.3	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°	17717.5	100.0
0°-180°	17717.5	100.0

Coefficient of Utilization



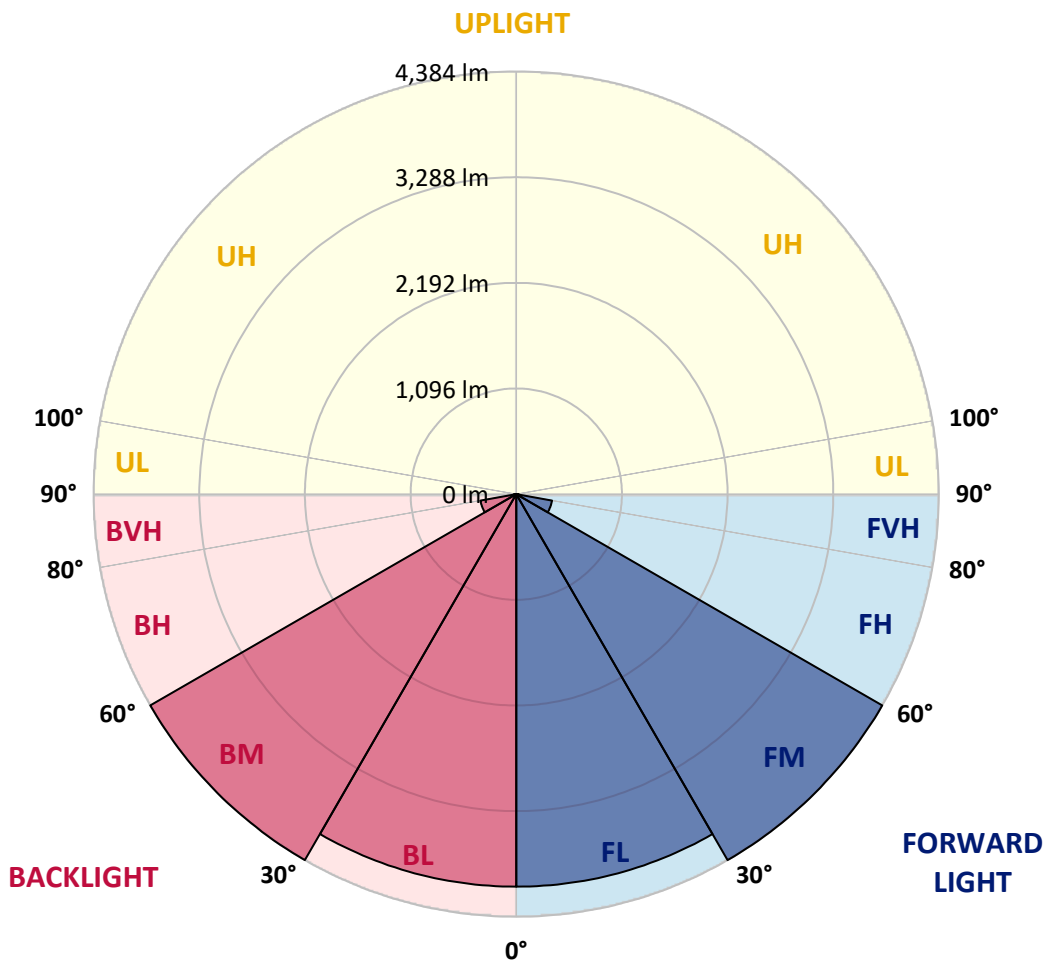
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4072.0	23.0			
FM (30°-60°)	4384.3	24.7			
FH (60°-80°)	377.3	2.1			G0/660
FVH (80°-90°)	25.2	0.1			G1/100
BL (0°-30°)	4072.0	23.0	B4/5000		
BM (30°-60°)	4384.3	24.7	B3/5000		
BH (60°-80°)	377.3	2.1	B1/500		G0/660
BVH (80°-90°)	25.2	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°	12110.4	12110.4	12110.4	12110.4	12110.4	12110.4	12110.4	12110.4	12110.4	12110.4	12110.4
2.5°	11979.8	11977.3	12008.0	12020.8	12036.2	12066.9	12077.1	12143.7	12151.3	12176.9	12192.3
5°	11959.4	11949.1	11979.8	11985.0	12002.9	12008.0	12023.4	12069.4	12064.3	12102.7	12110.4
7.5°	11849.3	11836.5	11862.1	11867.2	11892.8	11885.1	11910.7	11944.0	11944.0	11972.2	11985.0
10°	11603.6	11601.0	11626.6	11629.2	11665.0	11657.3	11698.3	11705.9	11726.4	11746.9	11769.9
12.5°	11309.2	11275.9	11309.2	11296.4	11345.0	11316.9	11373.2	11391.1	11401.3	11437.2	11455.1
15°	10930.3	10889.4	10912.4	10899.6	10930.3	10894.5	10953.4	10989.2	11002.0	11037.8	11055.8
17.5°	10423.5	10390.2	10395.3	10377.4	10397.9	10369.7	10426.0	10482.4	10500.3	10538.7	10564.3
20°	9786.1	9786.1	9788.7	9773.3	9791.2	9763.1	9798.9	9885.9	9903.8	9955.0	9998.6
22.5°	9164.1	9164.1	9171.7	9151.3	9156.4	9143.6	9182.0	9266.5	9294.6	9348.4	9402.1
25°	8567.6	8557.4	8562.5	8544.6	8524.1	8529.2	8575.3	8629.1	8690.5	8759.6	8800.6
27.5°	7999.4	8012.2	7981.4	7968.6	7953.3	7925.1	7978.9	8045.4	8089.0	8145.3	8165.7
30°	7392.7	7418.3	7395.2	7385.0	7346.6	7310.8	7367.1	7433.6	7477.2	7530.9	7554.0
32.5°	6852.6	6844.9	6824.4	6801.4	6763.0	6734.8	6757.9	6834.7	6867.9	6924.2	6931.9
35°	6274.1	6268.9	6256.1	6210.1	6197.3	6164.0	6184.5	6251.0	6276.6	6309.9	6335.5
37.5°	5708.3	5690.4	5685.3	5667.4	5644.3	5636.7	5636.7	5672.5	5698.1	5731.4	5757.0
40°	5147.7	5152.9	5137.5	5122.2	5114.5	5104.2	5106.8	5127.3	5147.7	5163.1	5178.5
42.5°	4640.9	4612.8	4602.5	4587.2	4594.8	4607.6	4579.5	4610.2	4635.8	4635.8	4669.1
45°	4059.8	4072.6	4077.8	4103.4	4103.4	4090.6	4080.3	4095.7	4121.3	4118.7	4152.0
47.5°	3553.0	3537.6	3550.4	3588.8	3622.1	3627.2	3596.5	3604.2	3611.9	3599.1	3629.8
50°	2997.5	3002.6	3000.1	3059.0	3125.5	3102.5	3079.4	3087.1	3084.6	3084.6	3089.7
52.5°	2393.4	2406.2	2390.8	2475.3	2547.0	2529.1	2513.7	2513.7	2526.5	2524.0	2521.4
55°	1843.1	1837.9	1804.7	1845.6	1909.6	1912.2	1889.1	1899.4	1912.2	1925.0	1922.4
57.5°	1372.1	1356.7	1310.6	1313.2	1384.8	1402.8	1382.3	1379.7	1395.1	1400.2	1428.4
60°	924.1	921.5	880.6	878.0	906.2	954.8	931.8	931.8	936.9	944.6	952.2
62.5°	632.3	637.4	622.0	619.5	624.6	665.5	663.0	660.4	657.9	668.1	665.5
65°	496.6	499.2	494.0	494.0	496.6	514.5	532.4	535.0	537.6	540.1	537.6
67.5°	399.3	401.9	396.8	401.9	401.9	404.4	430.0	440.3	442.8	442.8	440.3
70°	307.2	317.4	322.5	322.5	322.5	322.5	340.5	353.3	350.7	335.3	320.0
72.5°	153.6	186.9	258.5	261.1	258.5	256.0	266.2	279.0	276.5	194.5	145.9
75°	102.4	110.1	202.2	212.5	209.9	199.7	209.9	225.3	220.1	125.4	120.3
77.5°	58.9	64.0	135.7	156.1	168.9	145.9	166.4	181.7	174.1	102.4	99.8
80°	46.1	43.5	97.3	120.3	115.2	92.2	135.7	145.9	133.1	76.8	69.1
82.5°	28.2	28.2	64.0	92.2	84.5	53.8	94.7	112.6	99.8	56.3	51.2
85°	15.4	17.9	30.7	46.1	48.6	35.8	51.2	61.4	61.4	35.8	35.8
87.5°	7.7	7.7	10.2	10.2	12.8	15.4	15.4	17.9	12.8	10.2	10.2
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)