

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: P524120

Luminaire Tested: **IFLD-S-SA6A-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524120
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

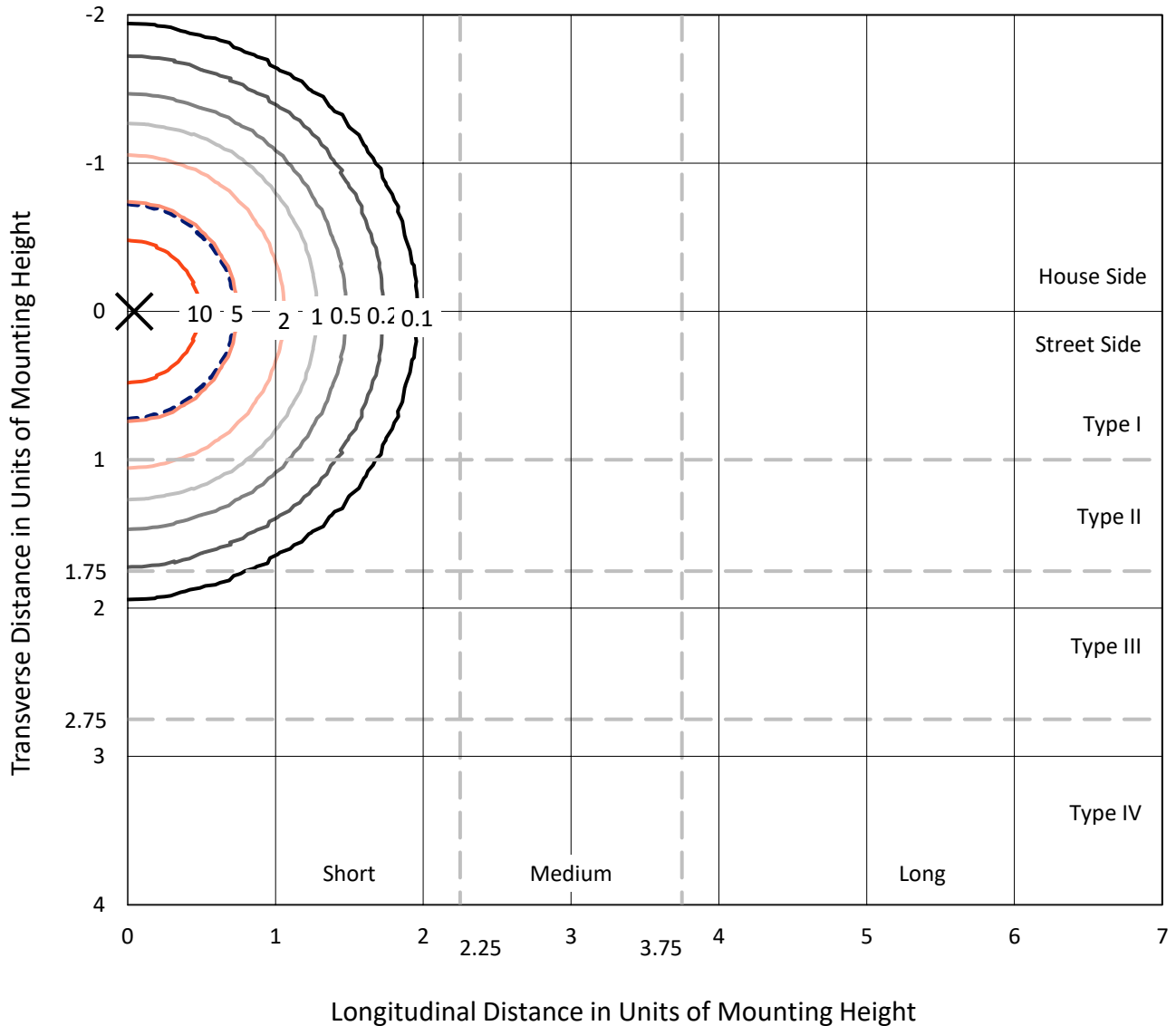
Lumens per Lamp: N/A
Luminaire Lumens: 17922.7 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 189.6
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

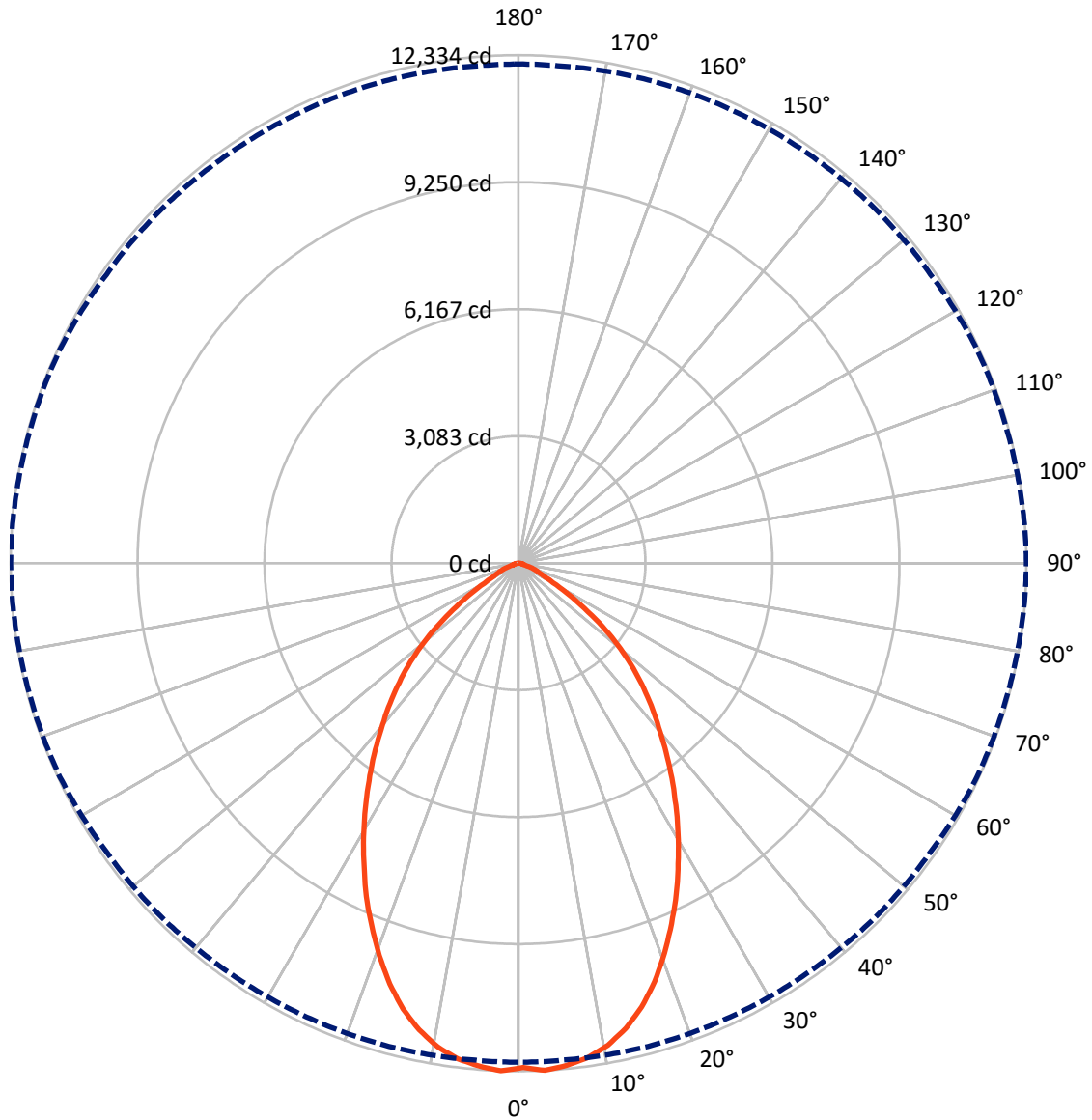
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.6 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	8961.3	0.0	8961.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8961.3	0.0	8961.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	17922.7	0.0	17922.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1150.0	6.4
10°-20°	3090.2	17.2
20°-30°	3998.1	22.3
30°-40°	3943.1	22.0
40°-50°	3190.1	17.8
50°-60°	1736.9	9.7
60°-70°	550.4	3.1
70°-80°	212.9	1.2
80°-90°	50.9	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°	17922.7	100.0
0°-180°	17922.7	100.0

Coefficient of Utilization



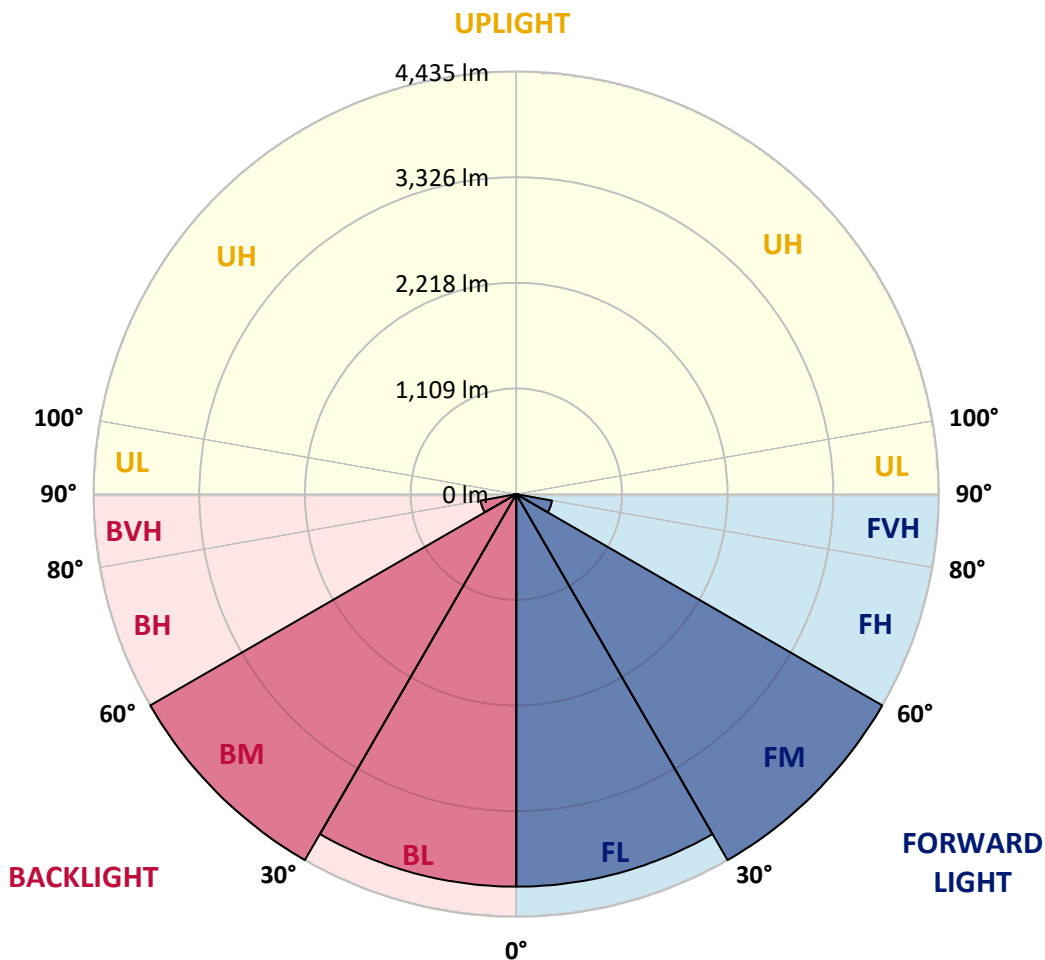
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4119.2	23.0			
FM (30°-60°)	4435.1	24.7			
FH (60°-80°)	381.6	2.1			G0/660
FVH (80°-90°)	25.4	0.1			G1/100
BL (0°-30°)	4119.2	23.0	B4/5000		
BM (30°-60°)	4435.1	24.7	B3/5000		
BH (60°-80°)	381.6	2.1	B1/500		G0/660
BVH (80°-90°)	25.4	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°	12250.6	12250.6	12250.6	12250.6	12250.6	12250.6	12250.6	12250.6	12250.6	12250.6	12250.6
2.5°	12118.6	12116.0	12147.0	12160.0	12175.5	12206.6	12217.0	12284.3	12292.1	12318.0	12333.5
5°	12097.8	12087.5	12118.6	12123.7	12141.9	12147.0	12162.6	12209.2	12204.0	12242.9	12250.6
7.5°	11986.5	11973.6	11999.5	12004.6	12030.5	12022.8	12048.6	12082.3	12082.3	12110.8	12123.7
10°	11737.9	11735.3	11761.2	11763.8	11800.1	11792.3	11833.7	11841.5	11862.2	11882.9	11906.2
12.5°	11440.1	11406.5	11440.1	11427.2	11476.4	11447.9	11504.9	11523.0	11533.4	11569.6	11587.7
15°	11056.9	11015.5	11038.8	11025.8	11056.9	11020.6	11080.2	11116.5	11129.4	11165.7	11183.8
17.5°	10544.2	10510.5	10515.7	10497.6	10518.3	10489.8	10546.8	10603.7	10621.9	10660.7	10686.6
20°	9899.4	9899.4	9902.0	9886.5	9904.6	9876.1	9912.4	10000.4	10018.5	10070.3	10114.3
22.5°	9270.2	9270.2	9278.0	9257.2	9262.4	9249.5	9288.3	9373.8	9402.2	9456.6	9511.0
25°	8666.8	8656.5	8661.7	8643.5	8622.8	8628.0	8674.6	8729.0	8791.1	8861.1	8902.5
27.5°	8092.0	8104.9	8073.9	8060.9	8045.4	8016.9	8071.3	8138.6	8182.6	8239.6	8260.3
30°	7478.3	7504.2	7480.9	7470.5	7431.7	7395.4	7452.4	7519.7	7563.7	7618.1	7641.4
32.5°	6931.9	6924.2	6903.4	6880.1	6841.3	6812.8	6836.1	6913.8	6947.5	7004.4	7012.2
35°	6346.7	6341.5	6328.6	6282.0	6269.0	6235.4	6256.1	6323.4	6349.3	6383.0	6408.9
37.5°	5774.4	5756.3	5751.1	5733.0	5709.7	5701.9	5701.9	5738.2	5764.1	5797.7	5823.6
40°	5207.4	5212.5	5197.0	5181.5	5173.7	5163.3	5165.9	5186.6	5207.4	5222.9	5238.4
42.5°	4694.6	4666.2	4655.8	4640.3	4648.0	4661.0	4632.5	4663.6	4689.5	4689.5	4723.1
45°	4106.8	4119.8	4125.0	4150.9	4150.9	4137.9	4127.6	4143.1	4169.0	4166.4	4200.1
47.5°	3594.1	3578.6	3591.5	3630.4	3664.1	3669.2	3638.2	3645.9	3653.7	3640.7	3671.8
50°	3032.2	3037.4	3034.8	3094.4	3161.7	3138.4	3115.1	3122.9	3120.3	3120.3	3125.5
52.5°	2421.1	2434.1	2418.5	2504.0	2576.5	2558.4	2542.8	2542.8	2555.8	2553.2	2550.6
55°	1864.4	1859.2	1825.6	1867.0	1931.7	1934.3	1911.0	1921.4	1934.3	1947.3	1944.7
57.5°	1387.9	1372.4	1325.8	1328.4	1400.9	1419.0	1398.3	1395.7	1411.2	1416.4	1444.9
60°	934.8	932.2	890.8	888.2	916.7	965.9	942.6	942.6	947.7	955.5	963.3
62.5°	639.6	644.8	629.2	626.6	631.8	673.3	670.7	668.1	665.5	675.8	673.3
65°	502.4	504.9	499.8	499.8	502.4	520.5	538.6	541.2	543.8	546.4	543.8
67.5°	404.0	406.5	401.4	406.5	406.5	409.1	435.0	445.4	448.0	448.0	445.4
70°	310.7	321.1	326.3	326.3	326.3	326.3	344.4	357.3	354.8	339.2	323.7
72.5°	155.4	189.0	261.5	264.1	261.5	258.9	269.3	282.2	279.7	196.8	147.6
75°	103.6	111.3	204.6	214.9	212.3	202.0	212.3	227.9	222.7	126.9	121.7
77.5°	59.6	64.7	137.2	158.0	170.9	147.6	168.3	183.9	176.1	103.6	101.0
80°	46.6	44.0	98.4	121.7	116.5	93.2	137.2	147.6	134.7	77.7	69.9
82.5°	28.5	28.5	64.7	93.2	85.5	54.4	95.8	113.9	101.0	57.0	51.8
85°	15.5	18.1	31.1	46.6	49.2	36.3	51.8	62.1	62.1	36.3	36.3
87.5°	7.8	7.8	10.4	10.4	12.9	15.5	15.5	18.1	12.9	10.4	10.4
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)