

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: P524356

Luminaire Tested: **IFLD-S-SA6C-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524356
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27295.2 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

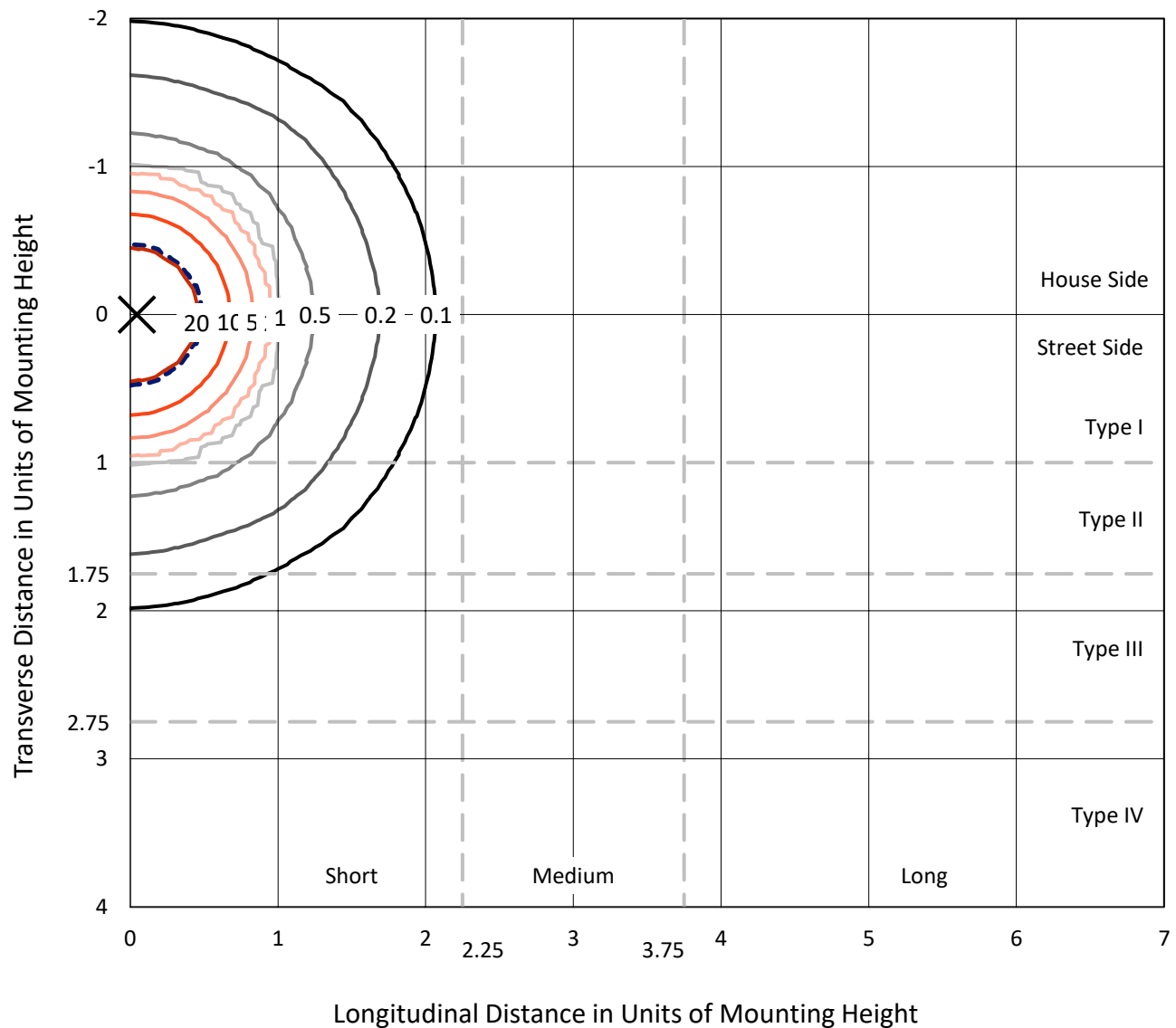
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

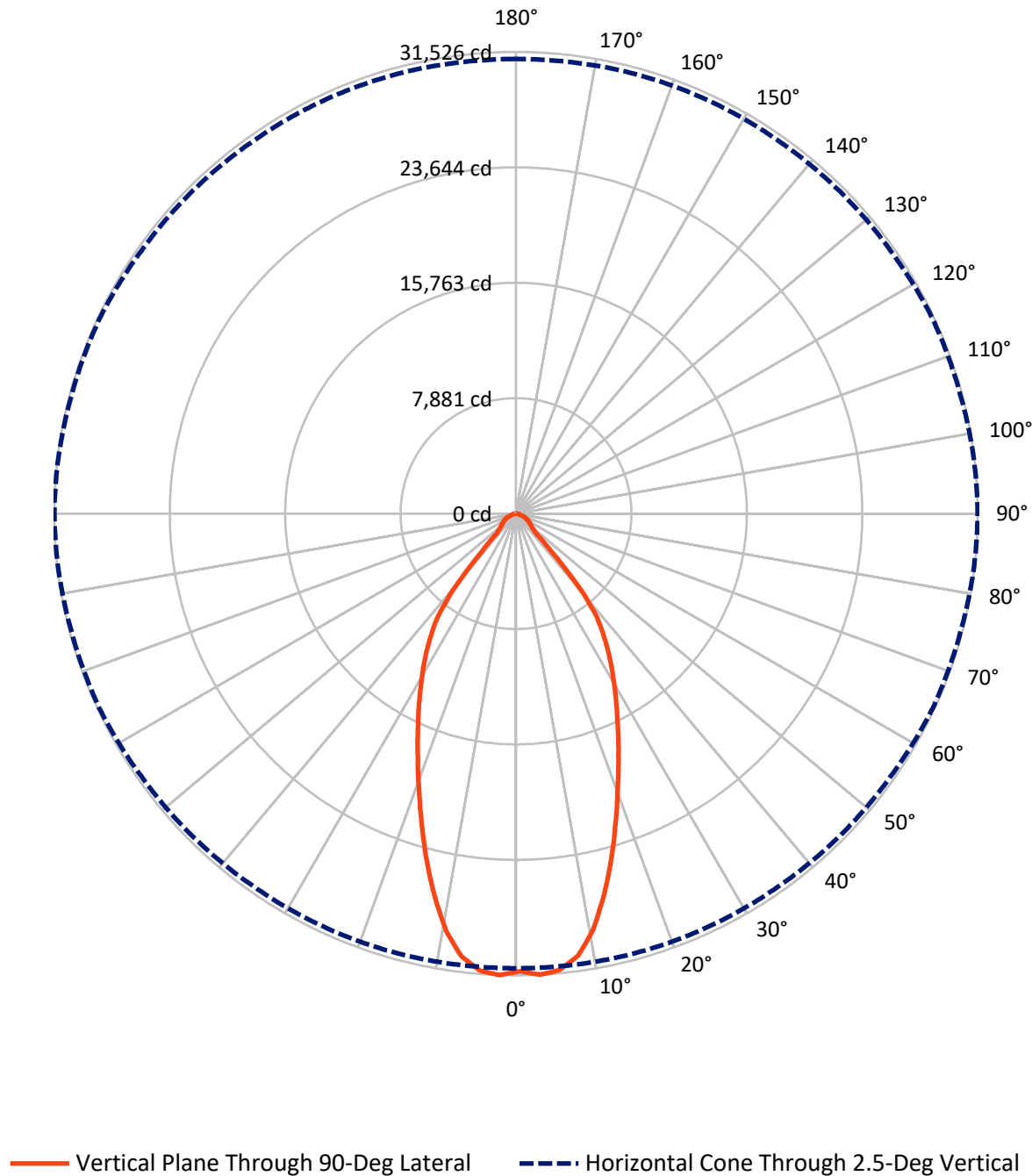
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 50 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13647.6	0.0	13647.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13647.6	0.0	13647.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27295.2	0.0	27295.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2880.3	10.6
10°-20°	6648.9	24.4
20°-30°	7299.9	26.7
30°-40°	6329.6	23.2
40°-50°	2082.7	7.6
50°-60°	933.8	3.4
60°-70°	660.0	2.4
70°-80°	358.4	1.3
80°-90°	101.6	0.4
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°	27295.2	100.0
0°-180°	27295.2	100.0

Coefficient of Utilization



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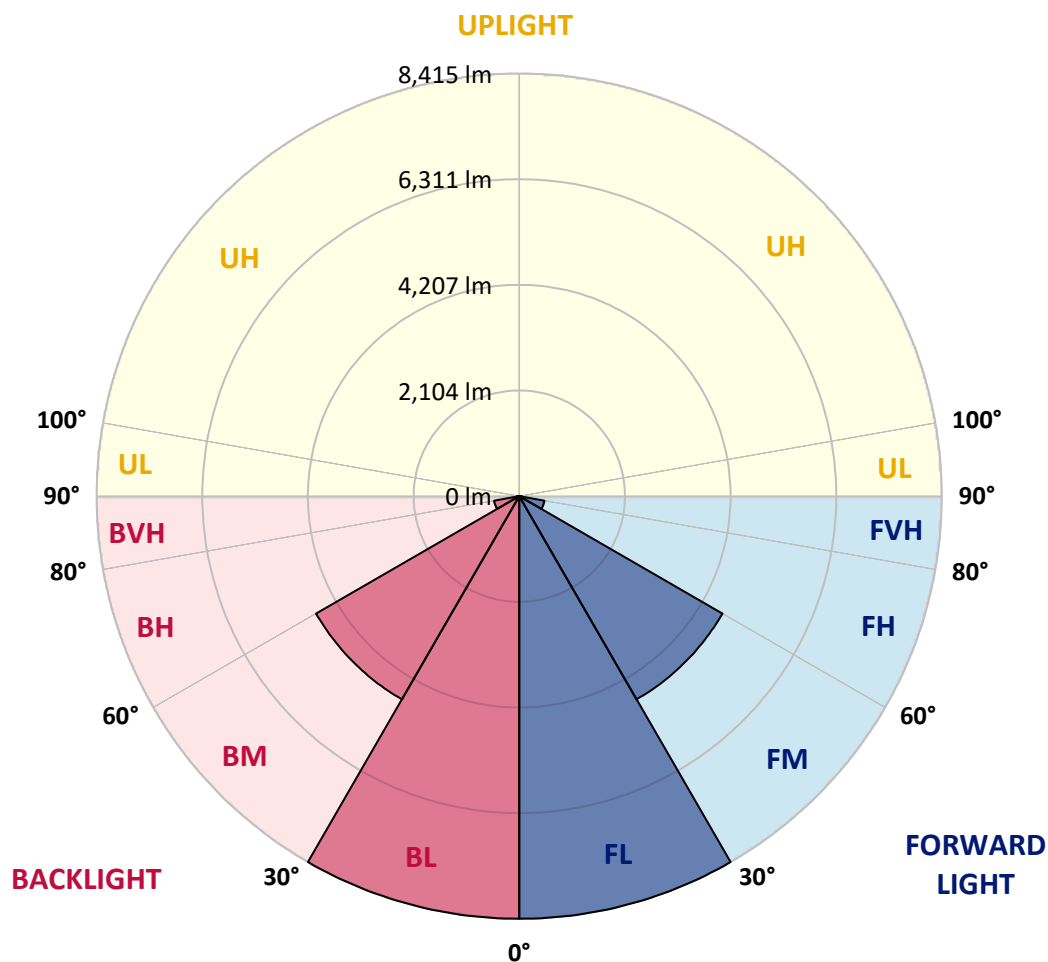
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8414.6	30.8			
FM	(30°-60°)	4673.0	17.1			
FH	(60°-80°)	509.2	1.9			G0/660
FVH	(80°-90°)	50.8	0.2			G1/100
BL	(0°-30°)	8414.6	30.8	B5		
BM	(30°-60°)	4673.0	17.1	B3/5000		
BH	(60°-80°)	509.2	1.9	B2/1000		G0/660
BVH	(80°-90°)	50.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	31244.5	31244.5	31244.5	31244.5	31244.5	31244.5	31244.5	31244.5	31244.5	31244.5
2.5°	31050.1	31045.9	31095.6	31120.4	31132.8	31190.7	31248.6	31401.6	31405.7	31496.7
5°	31008.7	30971.5	31004.6	30955.0	30967.4	30967.4	31041.8	31153.5	31194.8	31285.8
7.5°	30086.5	30078.2	30057.5	30003.8	30069.9	30024.5	30160.9	30260.2	30355.3	30400.8
10°	28366.1	28287.5	28287.5	28213.1	28279.2	28217.2	28440.5	28531.5	28692.8	28787.9
12.5°	26141.1	26108.0	26112.2	26079.1	26075.0	25988.1	26248.7	26327.2	26472.0	26612.6
15°	23767.3	23717.7	23763.2	23763.2	23725.9	23647.4	23924.4	24032.0	24242.9	24309.1
17.5°	21422.4	21401.7	21430.7	21443.1	21414.1	21339.7	21608.5	21844.2	21989.0	21989.0
20°	19271.9	19263.6	19300.8	19263.6	19234.7	19185.0	19433.2	19660.6	19788.8	19797.1
22.5°	17381.9	17427.4	17394.3	17348.8	17286.8	17249.6	17477.0	17688.0	17774.8	17861.7
25°	15723.6	15736.0	15760.8	15690.5	15616.0	15570.5	15740.1	15917.9	16054.4	16104.0
27.5°	14358.8	14404.3	14342.3	14234.7	14193.4	14139.6	14259.5	14387.8	14487.0	14557.3
30°	13031.3	13056.1	13068.5	12956.8	12857.6	12779.0	12878.3	12989.9	13027.1	13089.2
32.5°	11757.5	11798.9	11840.2	11703.7	11633.4	11559.0	11608.6	11678.9	11699.6	11703.7
35°	10487.9	10458.9	10421.7	10372.1	10318.3	10227.3	10277.0	10301.8	10318.3	10318.3
37.5°	8953.6	8978.4	8986.7	8891.5	8866.7	8804.7	8837.8	8841.9	8875.0	8895.7
40°	6774.1	6861.0	6803.1	6745.2	6753.4	6679.0	6666.6	6650.0	6724.5	6753.4
42.5°	3684.8	3833.7	3680.7	3730.3	3693.1	3651.7	3639.3	3660.0	3564.9	3486.3
45°	1852.7	1844.5	1877.6	1877.6	1910.6	1923.1	1894.1	1869.3	1856.9	1823.8
47.5°	1493.0	1468.1	1464.0	1484.7	1509.5	1526.0	1501.2	1488.8	1484.7	1505.4
50°	1282.0	1244.8	1232.4	1261.4	1282.0	1298.6	1277.9	1277.9	1273.8	1306.8
52.5°	1116.6	1079.4	1079.4	1137.3	1153.8	1170.4	1158.0	1158.0	1158.0	1195.2
55°	988.4	959.5	926.4	1000.8	1054.6	1071.1	1062.8	1058.7	1062.8	1104.2
57.5°	889.2	872.6	851.9	868.5	951.2	971.9	967.7	967.7	976.0	1009.1
60°	794.0	785.8	777.5	777.5	843.7	880.9	876.7	876.7	885.0	905.7
62.5°	707.2	698.9	690.6	698.9	723.7	781.6	781.6	785.8	798.2	806.4
65°	620.3	616.2	616.2	620.3	628.6	674.1	690.6	703.1	715.5	719.6
67.5°	537.6	533.5	537.6	545.9	545.9	566.6	603.8	616.2	628.6	628.6
70°	434.2	454.9	467.3	471.5	479.7	483.9	517.0	541.8	554.2	537.6
72.5°	235.7	268.8	405.3	417.7	421.8	426.0	450.8	479.7	488.0	318.4
75°	169.6	169.6	339.1	359.8	363.9	363.9	384.6	413.6	421.8	244.0
77.5°	111.7	107.5	235.7	260.5	297.8	239.9	314.3	347.4	355.7	202.6
80°	86.8	82.7	182.0	202.6	206.8	165.4	256.4	281.2	285.4	165.4
82.5°	66.2	62.0	132.3	148.9	161.3	107.5	182.0	215.1	223.3	144.7
85°	37.2	37.2	66.2	62.0	95.1	70.3	103.4	107.5	144.7	91.0
87.5°	12.4	16.5	28.9	28.9	33.1	28.9	41.4	41.4	45.5	33.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

31244.5
31525.7
31302.4
30475.2
28891.3
26707.7
24400.0
22042.7
19842.6
17911.3
16137.1
14578.0
13101.6
11753.4
10367.9
8982.5
6790.7
3523.5
1852.7
1521.9
1348.2
1236.5
1129.0
1033.9
922.2
818.8
727.9
628.6
475.6
272.9
239.9
198.5
148.9
148.9
86.8
24.8
0.0