

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: P565323

Luminaire Tested: **IFLD-L-SA7A-AMB-U-5WQ**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565323
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-5WQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5WQ distribution lens
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7637.1 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

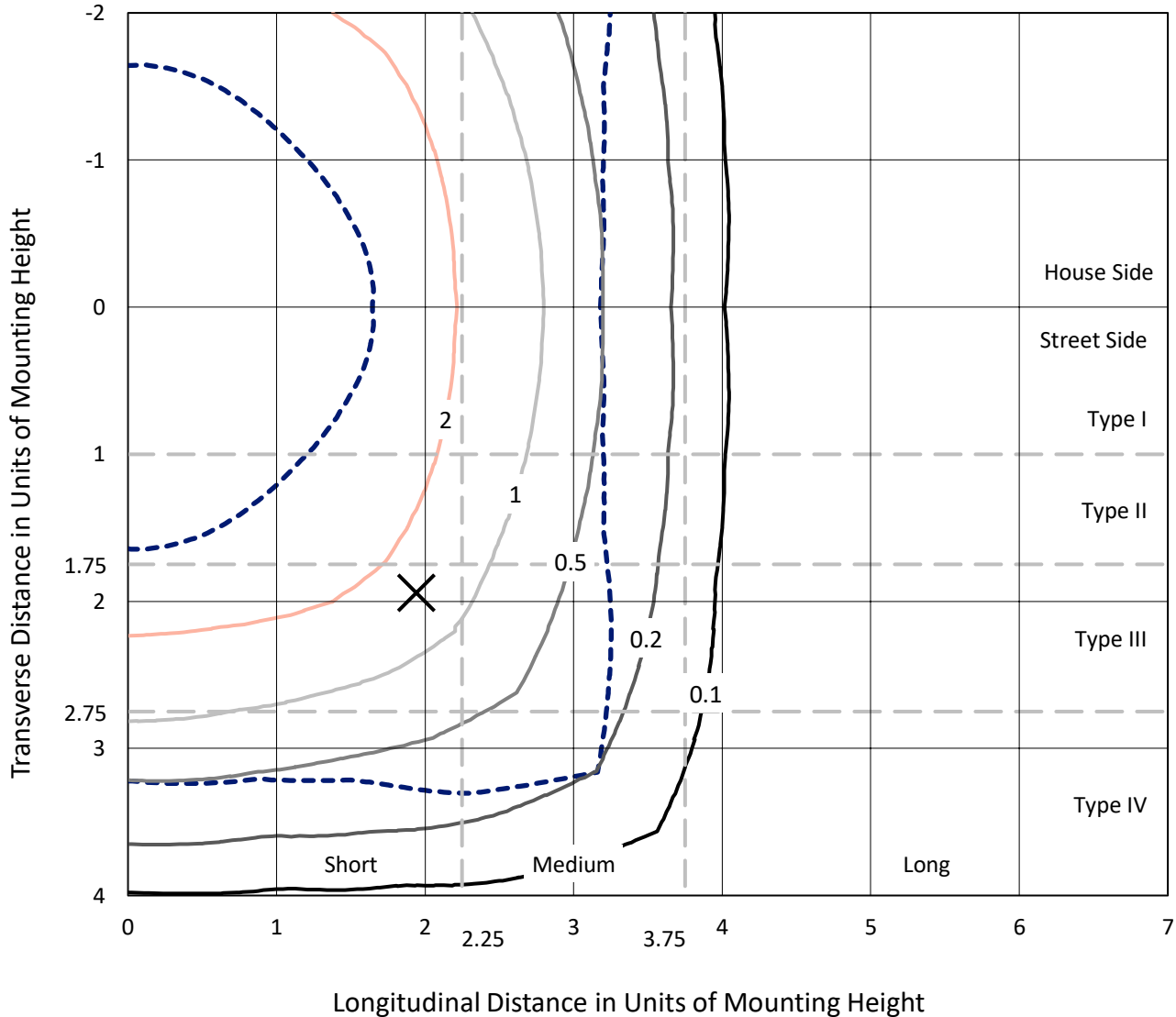
Input Watts (W): 140.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

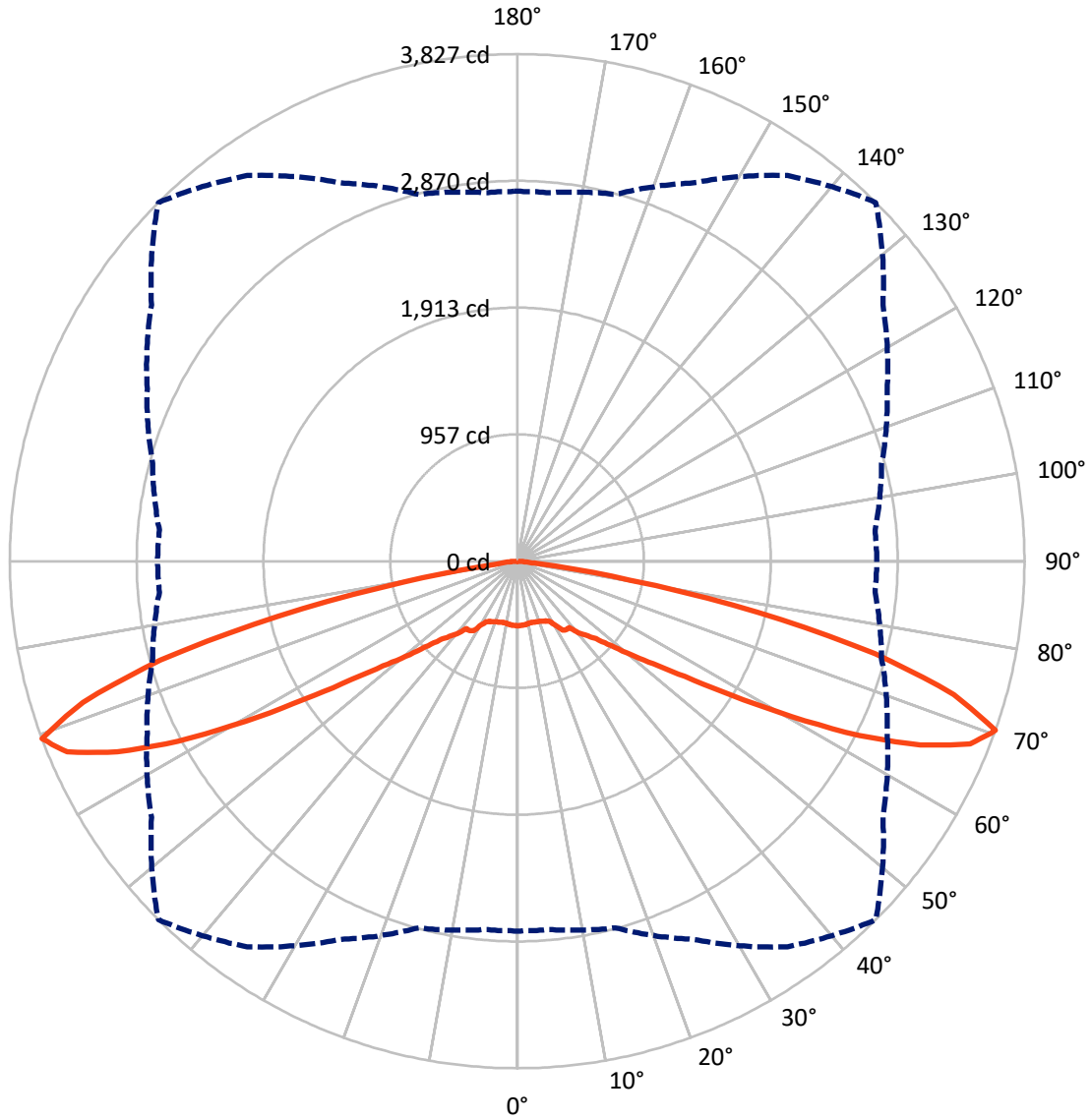
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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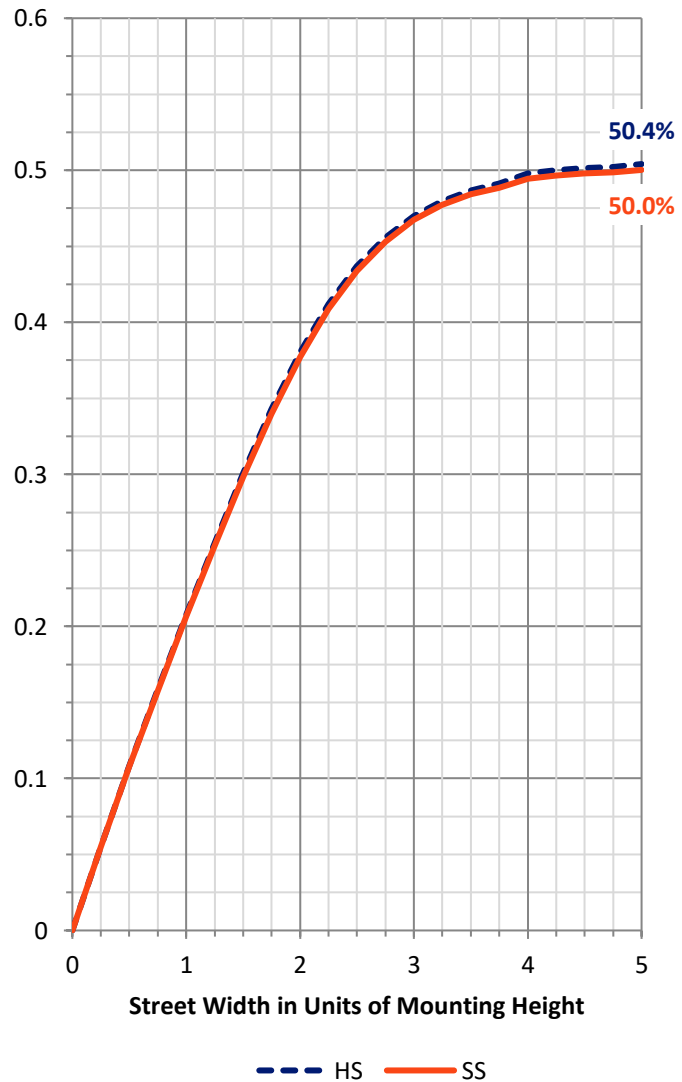
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3818.5	0.0	3818.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3818.5	0.0	3818.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7637.1	0.0	7637.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	0.6
10°-20°	136.9	1.8
20°-30°	237.9	3.1
30°-40°	388.1	5.1
40°-50°	675.1	8.8
50°-60°	1408.6	18.4
60°-70°	2889.4	37.8
70°-80°	1770.0	23.2
80°-90°	84.9	1.1
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°	7637.1	100.0
0°-180°	7637.1	100.0

Coefficient of Utilization

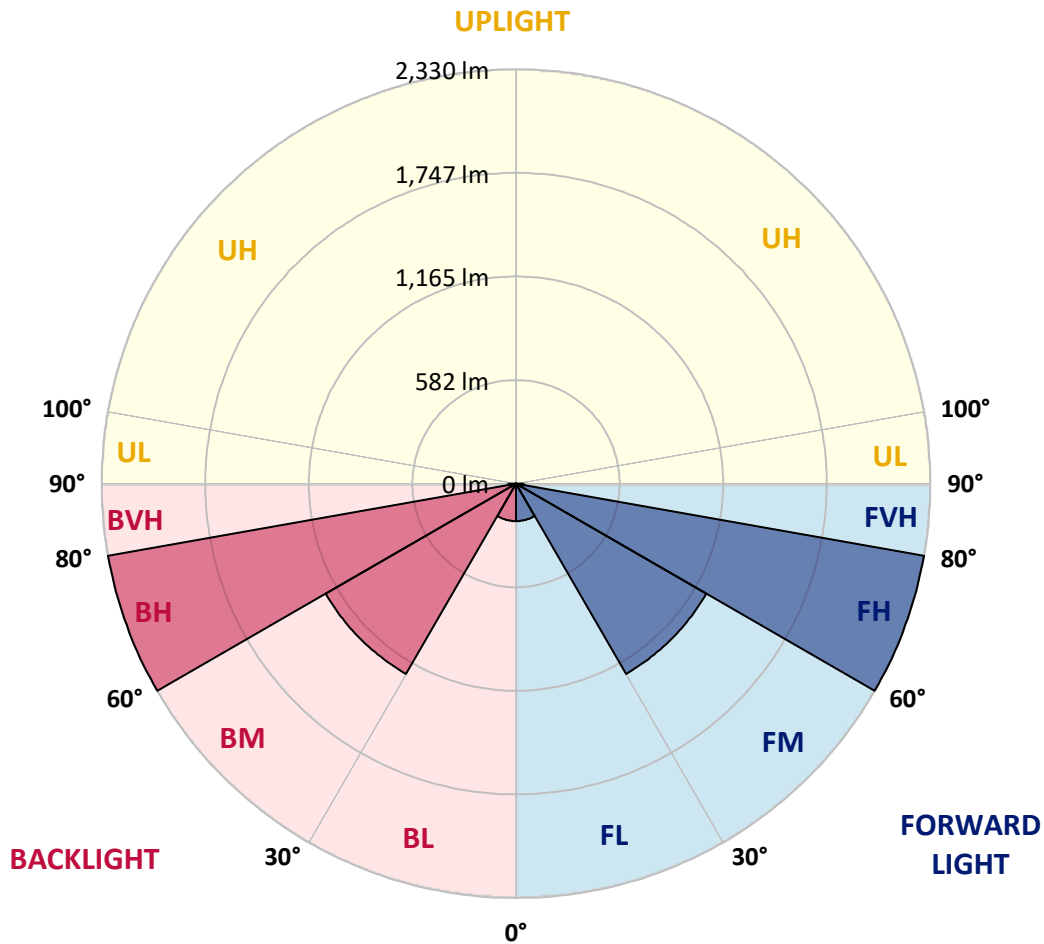


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.5	2.8			
FM (30°-60°)	1235.9	16.2			
FH (60°-80°)	2329.7	30.5			G2/5000
FVH (80°-90°)	42.5	0.6			G1/100
BL (0°-30°)	210.5	2.8	B1/500		
BM (30°-60°)	1235.9	16.2	B2/2500		
BH (60°-80°)	2329.7	30.5	B3/2500		G2/5000
BVH (80°-90°)	42.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	488.5	488.5	488.5	488.5	488.5	488.5	488.5	488.5	488.5	488.5	488.5
2.5°	484.8	484.8	484.8	484.8	484.8	484.8	488.5	488.5	488.5	492.2	492.2
5°	488.5	484.8	484.8	484.8	484.8	484.8	484.8	484.8	488.5	488.5	488.5
7.5°	484.8	484.8	484.8	481.1	481.1	481.1	481.1	481.1	481.1	481.1	481.1
10°	484.8	481.1	481.1	477.4	477.4	477.4	477.4	477.4	477.4	481.1	481.1
12.5°	488.5	484.8	481.1	477.4	473.7	473.7	473.7	473.7	481.1	481.1	484.8
15°	495.9	492.2	484.8	477.4	473.7	477.4	477.4	477.4	484.8	488.5	488.5
17.5°	499.6	495.9	488.5	481.1	477.4	481.1	481.1	481.1	488.5	495.9	495.9
20°	507.0	499.6	488.5	484.8	484.8	484.8	484.8	484.8	492.2	499.6	499.6
22.5°	510.7	503.3	492.2	488.5	488.5	492.2	492.2	492.2	495.9	503.3	507.0
25°	521.8	514.4	507.0	499.6	503.3	499.6	499.6	499.6	507.0	514.4	514.4
27.5°	544.0	536.6	525.5	518.1	518.1	514.4	518.1	521.8	529.2	536.6	540.3
30°	569.9	562.5	558.8	555.1	555.1	551.4	551.4	555.1	562.5	569.9	569.9
32.5°	569.9	569.9	566.2	573.6	599.6	618.1	599.6	577.3	573.6	573.6	577.3
35°	599.6	595.9	592.2	588.4	610.7	636.6	618.1	588.4	595.9	599.6	603.3
37.5°	666.2	662.5	655.1	636.6	640.3	636.6	636.6	632.9	644.0	651.4	651.4
40°	699.5	692.1	692.1	699.5	718.0	710.6	699.5	699.5	699.5	703.2	706.9
42.5°	769.8	762.4	755.0	751.3	755.0	766.1	747.6	743.9	758.7	773.5	780.9
45°	862.3	854.9	847.5	840.1	829.0	832.7	825.3	840.1	854.9	869.7	877.1
47.5°	973.3	965.9	958.5	951.1	947.4	951.1	940.0	954.8	969.6	984.5	991.9
50°	1121.4	1114.0	1102.9	1091.8	1088.1	1106.6	1091.8	1106.6	1121.4	1136.2	1147.3
52.5°	1287.9	1284.2	1284.2	1276.8	1269.4	1284.2	1269.4	1280.5	1302.7	1310.1	1324.9
55°	1491.5	1484.1	1487.8	1506.3	1513.7	1535.9	1521.1	1517.4	1521.1	1502.6	1513.7
57.5°	1743.1	1732.0	1750.5	1802.4	1869.0	1906.0	1869.0	1824.6	1757.9	1724.6	1746.8
60°	2061.4	2042.9	2083.6	2165.1	2302.0	2379.7	2305.7	2179.9	2057.7	2017.0	2050.3
62.5°	2553.7	2527.7	2535.1	2627.7	2797.9	2897.8	2783.1	2598.1	2483.3	2446.3	2490.7
65°	2905.2	2890.4	2957.1	3142.1	3301.2	3342.0	3201.3	3049.6	2912.6	2801.6	2842.3
67.5°	2990.4	2979.3	3053.3	3319.7	3649.1	3686.1	3467.8	3230.9	3027.4	2927.4	2953.4
70°	2790.5	2790.5	2864.5	3149.5	3552.9	3826.8	3367.9	3079.2	2846.0	2709.1	2712.8
72.5°	2005.9	2068.8	2224.3	2620.3	3164.3	3445.6	2949.7	2494.4	2139.1	1954.1	1920.8
75°	940.0	973.3	1106.6	1580.3	2335.3	2790.5	2209.5	1602.5	1213.9	1028.9	965.9
77.5°	229.5	262.8	373.8	703.2	1317.5	1854.2	1295.3	755.0	466.3	362.7	329.4
80°	96.2	99.9	103.6	129.5	366.4	866.0	514.4	251.7	166.5	144.3	133.2
82.5°	44.4	51.8	62.9	66.6	85.1	155.4	159.1	122.1	107.3	96.2	85.1
85°	18.5	22.2	33.3	37.0	48.1	51.8	59.2	70.3	70.3	48.1	44.4
87.5°	3.7	7.4	11.1	11.1	14.8	14.8	18.5	25.9	33.3	18.5	14.8
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)