

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: P565322

Luminaire Tested: **IFLD-M-SA4A-AMB-U-5WQ**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565322  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-AMB-U-5WQ  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ 5WQ distribution lens  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

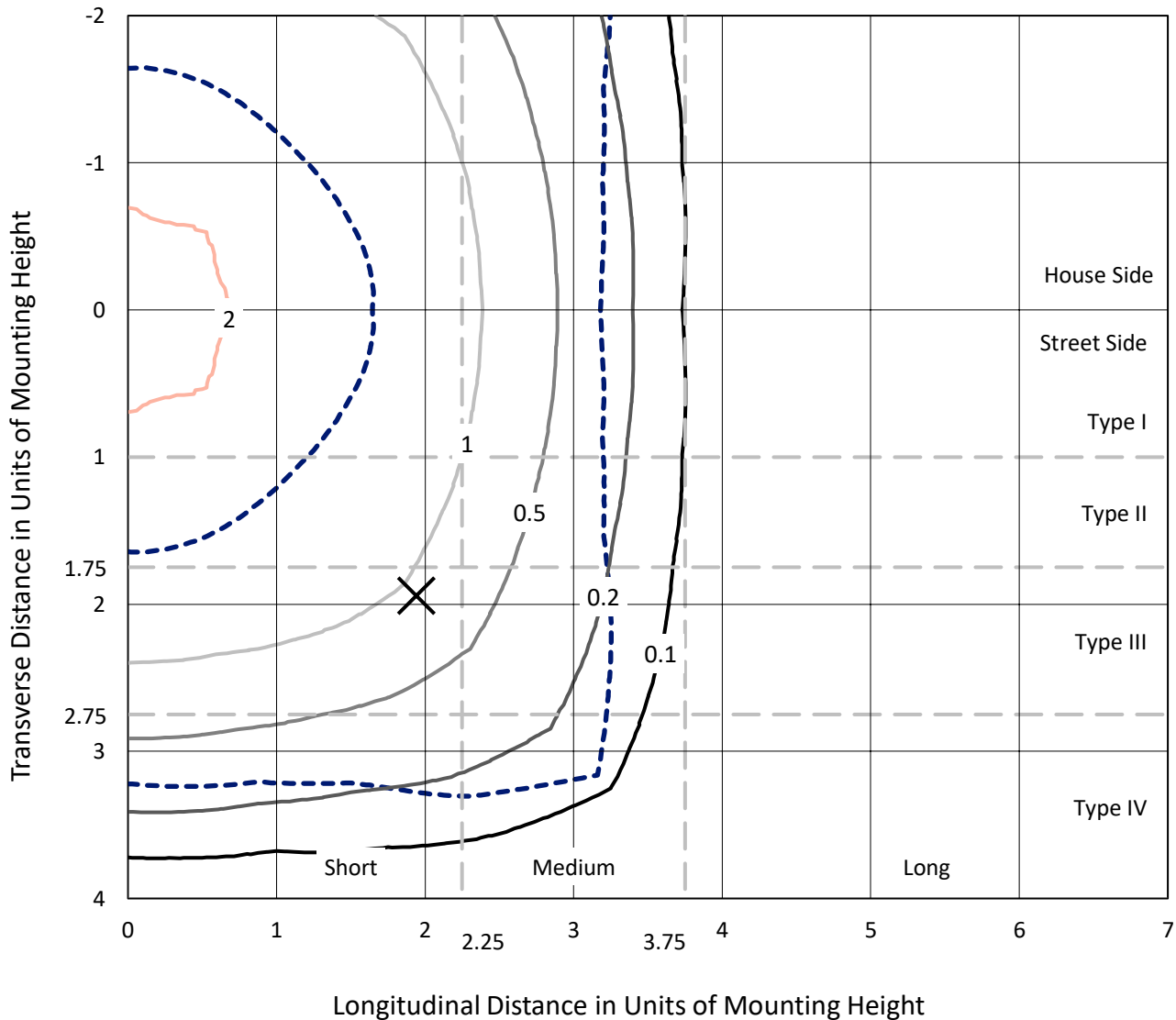
Lumens per Lamp: N/A  
Luminaire Lumens: 4505.9 lumens  
Efficiency: N/A  
Efficacy: 54.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 83  
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

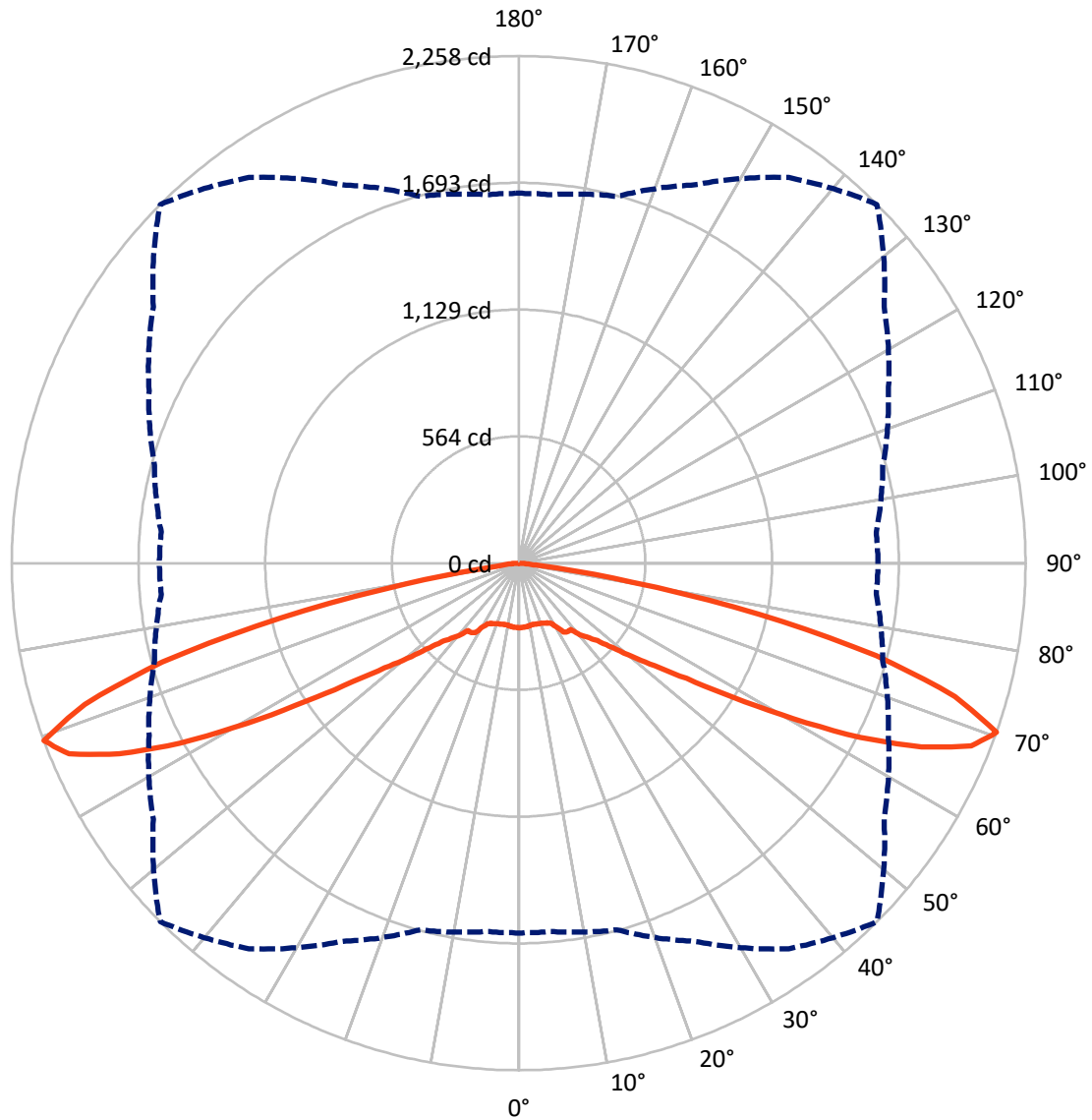
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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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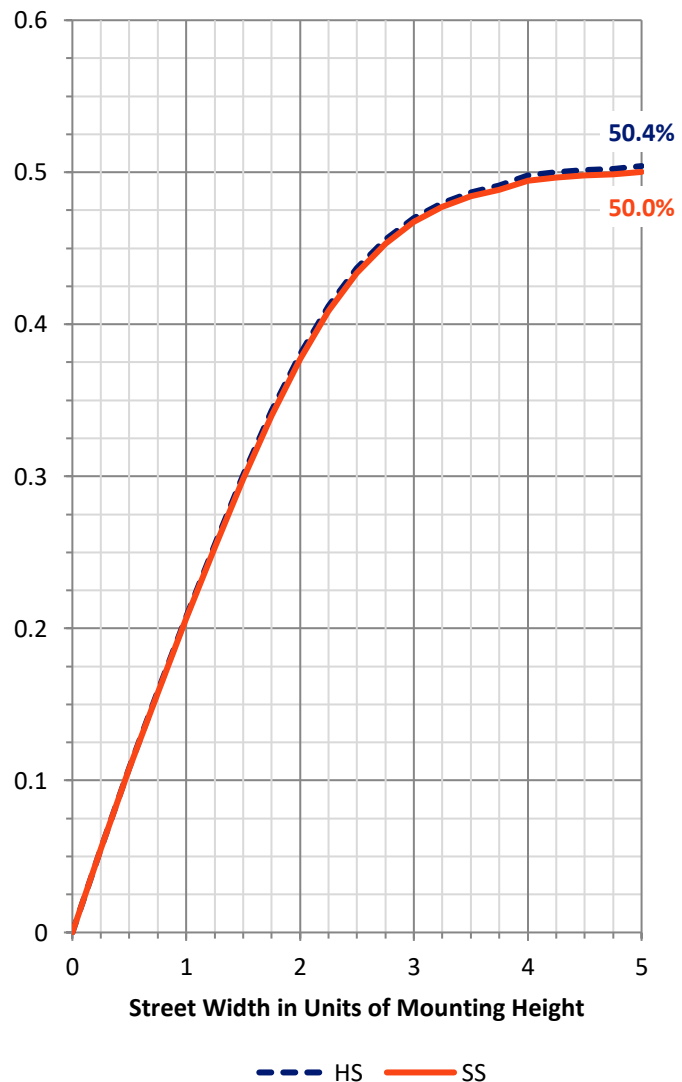
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2253.0	0.0	2253.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2253.0	0.0	2253.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4505.9	0.0	4505.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.2	0.6
10°-20°	80.8	1.8
20°-30°	140.4	3.1
30°-40°	229.0	5.1
40°-50°	398.3	8.8
50°-60°	831.1	18.4
60°-70°	1704.8	37.8
70°-80°	1044.3	23.2
80°-90°	50.1	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°	4505.9	100.0
0°-180°	4505.9	100.0

**Coefficient of Utilization**

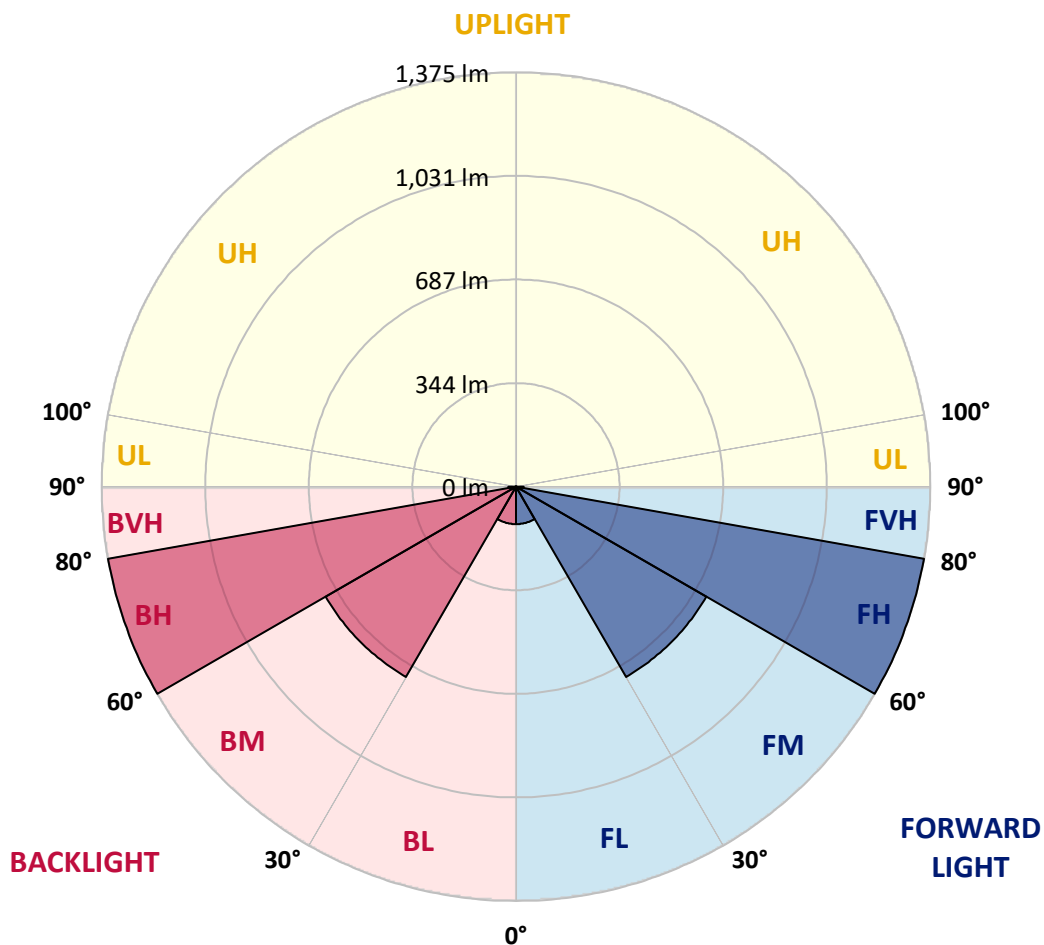


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.2	2.8			
FM (30°-60°)	729.2	16.2			
FH (60°-80°)	1374.5	30.5			G1/1800
FVH (80°-90°)	25.1	0.6			G1/100
BL (0°-30°)	124.2	2.8	B1/500		
BM (30°-60°)	729.2	16.2	B1/1000		
BH (60°-80°)	1374.5	30.5	B3/2500		G1/1800
BVH (80°-90°)	25.1	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-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2
2.5°	286.0	286.0	286.0	286.0	286.0	286.0	288.2	288.2	288.2	290.4	290.4
5°	288.2	286.0	286.0	286.0	286.0	286.0	286.0	286.0	288.2	288.2	288.2
7.5°	286.0	286.0	286.0	283.9	283.9	283.9	283.9	283.9	283.9	283.9	283.9
10°	286.0	283.9	283.9	281.7	281.7	281.7	281.7	281.7	281.7	283.9	283.9
12.5°	288.2	286.0	283.9	281.7	279.5	279.5	279.5	279.5	283.9	283.9	286.0
15°	292.6	290.4	286.0	281.7	279.5	281.7	281.7	281.7	286.0	288.2	288.2
17.5°	294.8	292.6	288.2	283.9	281.7	283.9	283.9	283.9	288.2	292.6	292.6
20°	299.1	294.8	288.2	286.0	286.0	286.0	286.0	286.0	290.4	294.8	294.8
22.5°	301.3	297.0	290.4	288.2	288.2	290.4	290.4	290.4	292.6	297.0	299.1
25°	307.9	303.5	299.1	294.8	297.0	294.8	294.8	294.8	299.1	303.5	303.5
27.5°	321.0	316.6	310.1	305.7	305.7	303.5	305.7	307.9	312.2	316.6	318.8
30°	336.3	331.9	329.7	327.5	327.5	325.4	325.4	327.5	331.9	336.3	336.3
32.5°	336.3	336.3	334.1	338.5	353.7	364.7	353.7	340.6	338.5	338.5	340.6
35°	353.7	351.6	349.4	347.2	360.3	375.6	364.7	347.2	351.6	353.7	355.9
37.5°	393.0	390.9	386.5	375.6	377.8	375.6	375.6	373.4	379.9	384.3	384.3
40°	412.7	408.3	408.3	412.7	423.6	419.2	412.7	412.7	412.7	414.9	417.1
42.5°	454.2	449.8	445.4	443.3	445.4	452.0	441.1	438.9	447.6	456.4	460.7
45°	508.8	504.4	500.0	495.7	489.1	491.3	486.9	495.7	504.4	513.1	517.5
47.5°	574.3	569.9	565.5	561.2	559.0	561.2	554.6	563.4	572.1	580.8	585.2
50°	661.6	657.3	650.7	644.2	642.0	652.9	644.2	652.9	661.6	670.4	676.9
52.5°	759.9	757.7	757.7	753.3	749.0	757.7	749.0	755.5	768.6	773.0	781.7
55°	880.0	875.6	877.8	888.7	893.1	906.2	897.4	895.3	897.4	886.5	893.1
57.5°	1028.5	1021.9	1032.8	1063.4	1102.7	1124.5	1102.7	1076.5	1037.2	1017.5	1030.6
60°	1216.2	1205.3	1229.3	1277.4	1358.2	1404.0	1360.4	1286.1	1214.1	1190.0	1209.7
62.5°	1506.7	1491.4	1495.7	1550.3	1650.8	1709.7	1642.0	1532.9	1465.2	1443.3	1469.5
65°	1714.1	1705.4	1744.7	1853.8	1947.7	1971.8	1888.8	1799.3	1718.5	1653.0	1677.0
67.5°	1764.3	1757.8	1801.4	1958.7	2153.0	2174.8	2046.0	1906.3	1786.2	1727.2	1742.5
70°	1646.4	1646.4	1690.1	1858.2	2096.2	2257.8	1987.0	1816.7	1679.2	1598.4	1600.6
72.5°	1183.5	1220.6	1312.3	1546.0	1866.9	2032.9	1740.3	1471.7	1262.1	1152.9	1133.3
75°	554.6	574.3	652.9	932.4	1377.8	1646.4	1303.6	945.5	716.2	607.0	569.9
77.5°	135.4	155.0	220.5	414.9	777.3	1094.0	764.2	445.4	275.1	214.0	194.3
80°	56.8	59.0	61.1	76.4	216.2	511.0	303.5	148.5	98.3	85.2	78.6
82.5°	26.2	30.6	37.1	39.3	50.2	91.7	93.9	72.1	63.3	56.8	50.2
85°	10.9	13.1	19.7	21.8	28.4	30.6	34.9	41.5	41.5	28.4	26.2
87.5°	2.2	4.4	6.6	6.6	8.7	8.7	10.9	15.3	19.7	10.9	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)