

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: P565301

Luminaire Tested: **IFLD-S-SA2A-AMB-U-5NQ**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565301  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-AMB-U-5NQ  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ 5NQ distribution lens  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

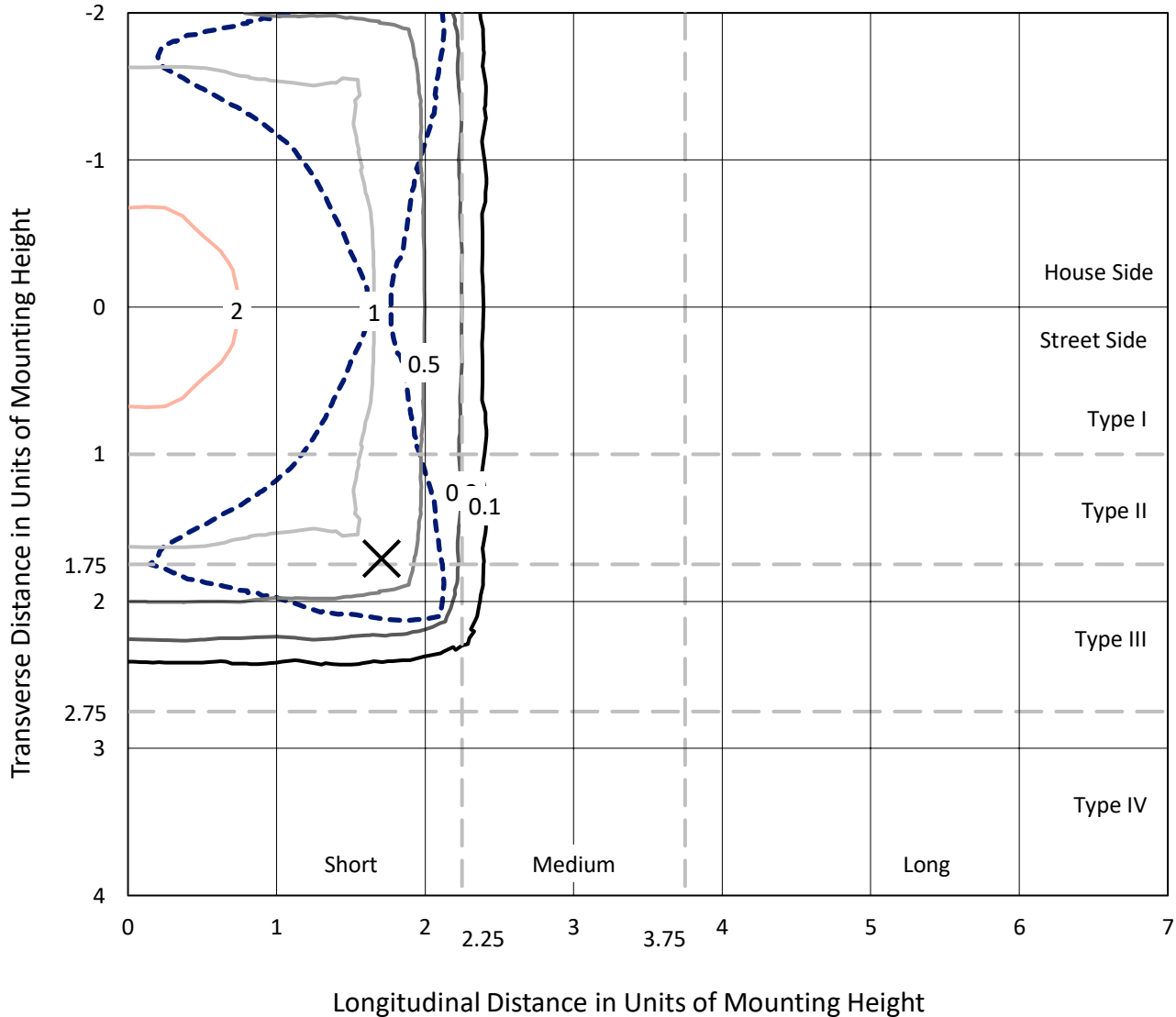
Lumens per Lamp: N/A  
Luminaire Lumens: 2188.4 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

Input Watts (W): 41.2  
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

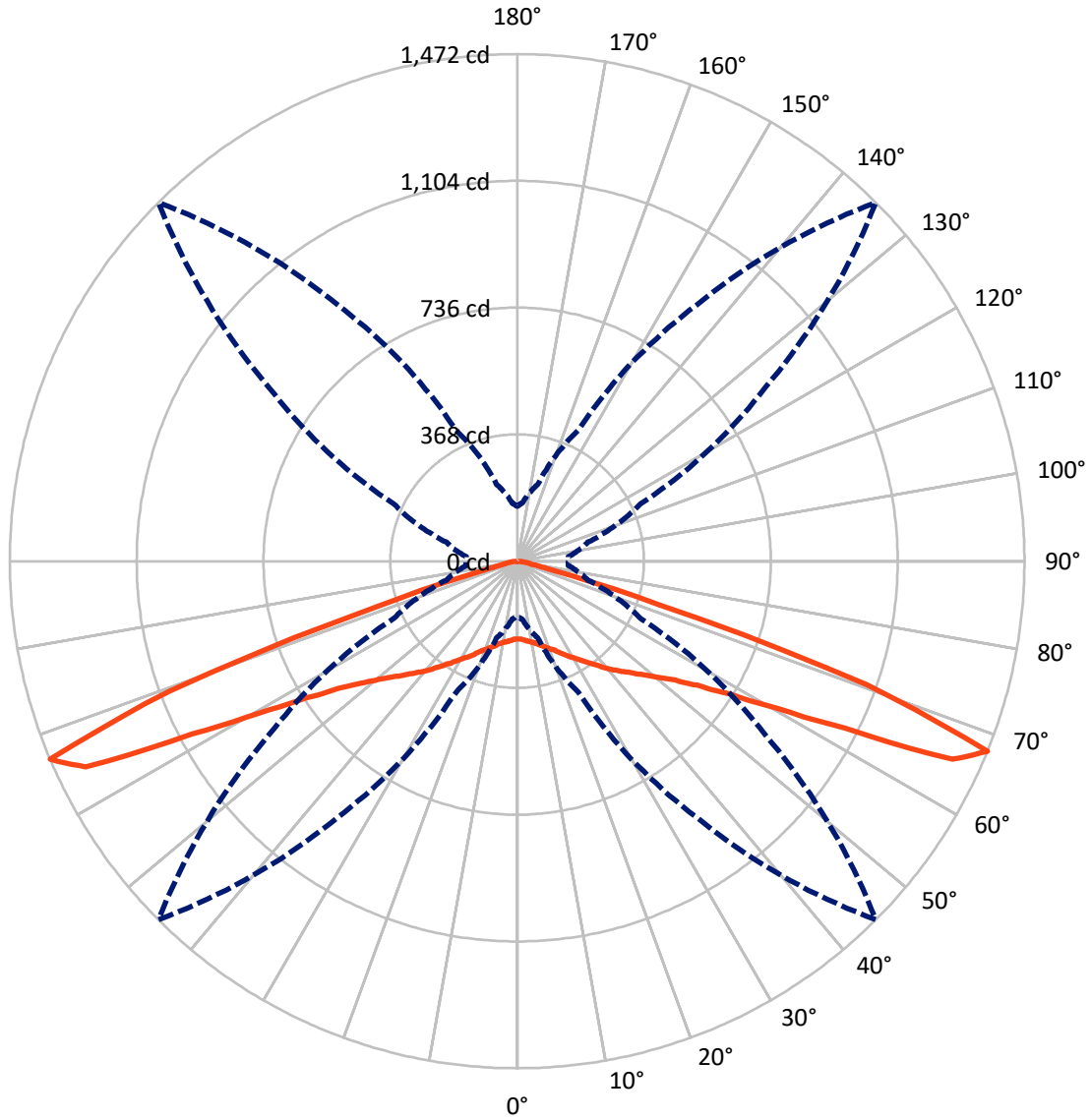
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical



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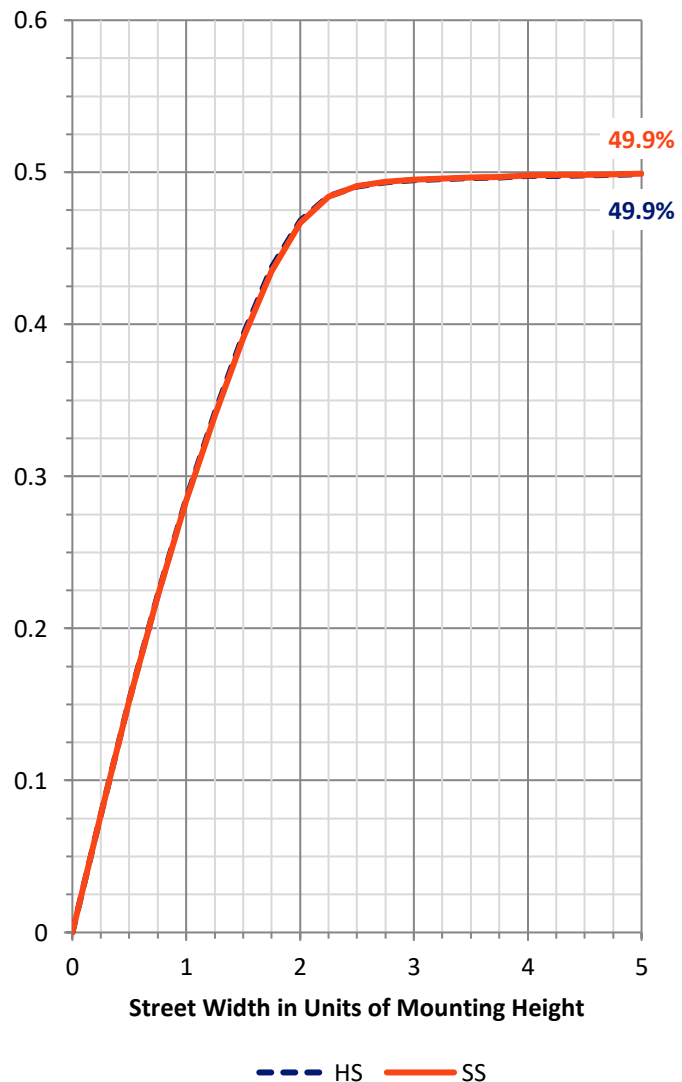
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1094.2	0.0	1094.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1094.2	0.0	1094.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2188.4	0.0	2188.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.3	1.0
10°-20°	72.3	3.3
20°-30°	138.1	6.3
30°-40°	233.0	10.6
40°-50°	370.9	16.9
50°-60°	593.6	27.1
60°-70°	662.3	30.3
70°-80°	85.4	3.9
80°-90°	10.6	0.5
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°	2188.4	100.0
0°-180°	2188.4	100.0

**Coefficient of Utilization**

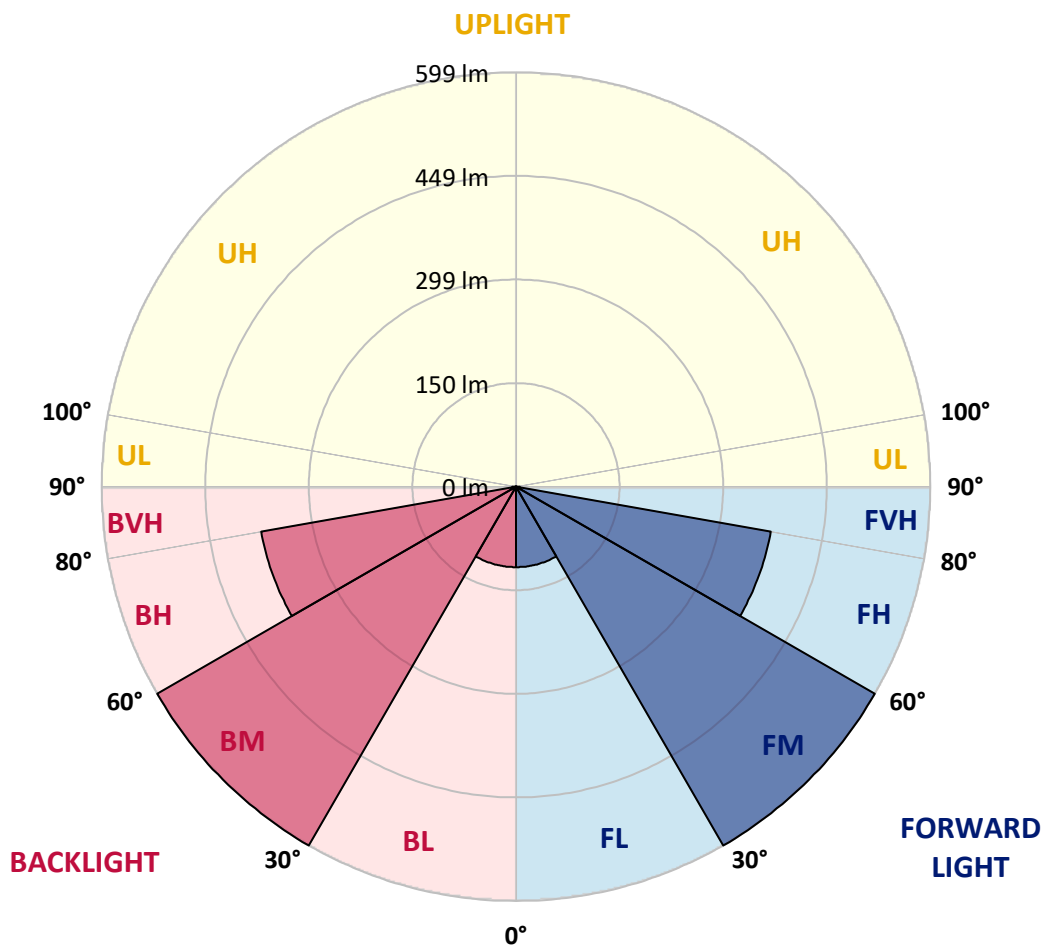


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.3	5.3			
FM (30°-60°)	598.8	27.4			
FH (60°-80°)	373.8	17.1			G0/660
FVH (80°-90°)	5.3	0.2			G0/10
BL (0°-30°)	116.3	5.3	B1/500		
BM (30°-60°)	598.8	27.4	B1/1000		
BH (60°-80°)	373.8	17.1	B1/500		G0/660
BVH (80°-90°)	5.3	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3	225.3
2.5°	225.3	225.3	225.3	225.3	225.3	226.4	226.4	226.4	227.4	227.4	227.4
5°	229.6	228.5	229.6	229.6	229.6	230.7	230.7	230.7	230.7	231.7	231.7
7.5°	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	236.0	236.0
10°	238.2	238.2	238.2	239.2	238.2	239.2	240.3	240.3	240.3	240.3	240.3
12.5°	243.5	243.5	244.6	244.6	244.6	244.6	245.7	245.7	245.7	245.7	245.7
15°	252.1	252.1	252.1	252.1	252.1	253.2	253.2	253.2	254.3	253.2	253.2
17.5°	259.6	259.6	260.7	260.7	260.7	261.8	262.8	261.8	262.8	261.8	261.8
20°	268.2	268.2	268.2	269.3	270.4	271.4	271.4	271.4	271.4	270.4	270.4
22.5°	278.9	277.9	278.9	280.0	280.0	281.1	282.2	282.2	282.2	281.1	281.1
25°	292.9	292.9	294.0	296.1	296.1	296.1	296.1	297.2	299.3	297.2	297.2
27.5°	306.8	306.8	309.0	311.1	310.1	311.1	311.1	313.3	313.3	313.3	312.2
30°	321.9	321.9	325.1	327.2	326.1	326.1	327.2	329.4	329.4	329.4	329.4
32.5°	339.0	340.1	343.3	345.5	343.3	344.4	345.5	347.6	347.6	345.5	346.5
35°	362.6	362.6	368.0	369.1	364.8	363.7	366.9	371.2	373.3	370.1	371.2
37.5°	381.9	383.0	390.5	392.7	390.5	386.2	391.6	397.0	399.1	394.8	393.7
40°	407.7	408.8	417.3	417.3	414.1	410.9	418.4	425.9	425.9	421.6	420.6
42.5°	435.6	435.6	447.4	447.4	439.9	435.6	445.2	456.0	457.0	450.6	449.5
45°	465.6	466.7	479.6	479.6	469.9	461.3	472.0	489.2	489.2	480.6	480.6
47.5°	494.6	494.6	508.5	511.7	501.0	492.4	505.3	522.5	520.3	507.5	504.2
50°	523.5	524.6	540.7	546.1	538.6	528.9	543.9	558.9	552.5	537.5	537.5
52.5°	574.0	572.9	589.0	591.1	583.6	574.0	589.0	604.0	598.6	585.8	582.6
55°	630.8	631.9	652.3	656.6	644.8	636.2	652.3	666.2	660.9	646.9	645.8
57.5°	686.6	689.8	712.4	731.7	733.8	728.5	740.3	745.6	732.7	714.5	711.3
60°	720.9	726.3	771.4	814.3	851.8	866.9	859.3	840.0	788.5	740.3	737.0
62.5°	650.1	658.7	732.7	850.8	996.7	1068.5	1014.9	875.4	737.0	651.2	650.1
65°	412.0	431.3	547.1	749.9	1056.7	1387.2	1072.8	728.5	506.4	403.4	403.4
67.5°	158.8	169.5	230.7	418.4	907.6	1471.9	877.6	395.9	212.4	148.1	149.1
70°	54.7	56.9	73.0	140.5	439.9	1076.1	412.0	127.7	71.9	56.9	57.9
72.5°	38.6	39.7	42.9	52.6	122.3	427.0	106.2	53.6	44.0	39.7	39.7
75°	29.0	30.0	33.3	38.6	50.4	96.6	49.4	39.7	35.4	31.1	30.0
77.5°	20.4	21.5	23.6	27.9	34.3	44.0	36.5	32.2	29.0	25.7	24.7
80°	13.9	15.0	18.2	19.3	21.5	31.1	27.9	26.8	23.6	19.3	18.2
82.5°	7.5	8.6	12.9	13.9	13.9	18.2	19.3	20.4	18.2	13.9	12.9
85°	4.3	4.3	6.4	7.5	8.6	8.6	10.7	12.9	13.9	8.6	8.6
87.5°	1.1	1.1	1.1	2.1	2.1	2.1	4.3	5.4	6.4	3.2	3.2
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)