

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: P565349

Luminaire Tested: **IFLD-S-SA2A-AMB-U-RW**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565349  
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-RW  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ RW distribution lens  
Light Source: (32) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

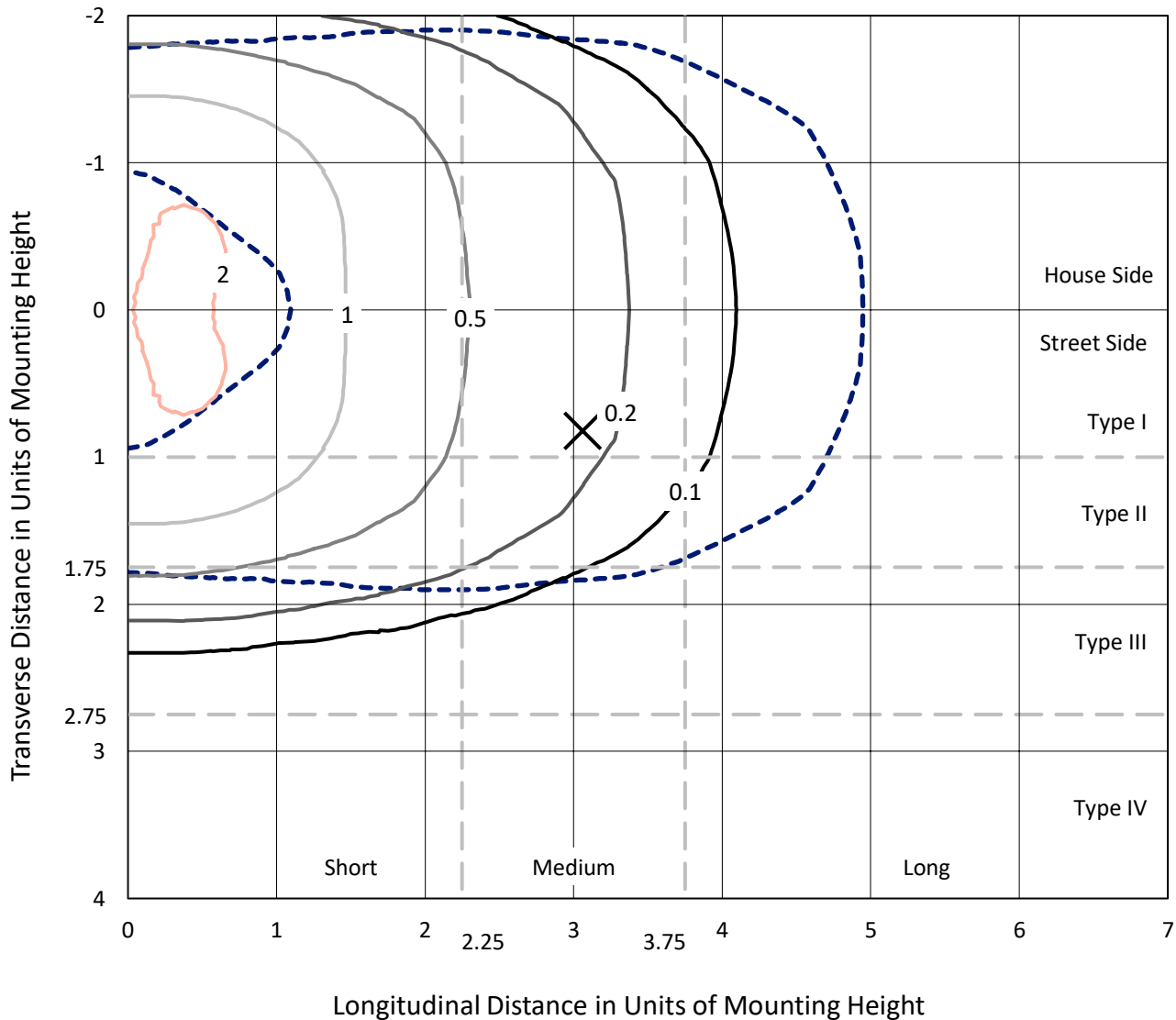
Lumens per Lamp: N/A  
Luminaire Lumens: 2260.9 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

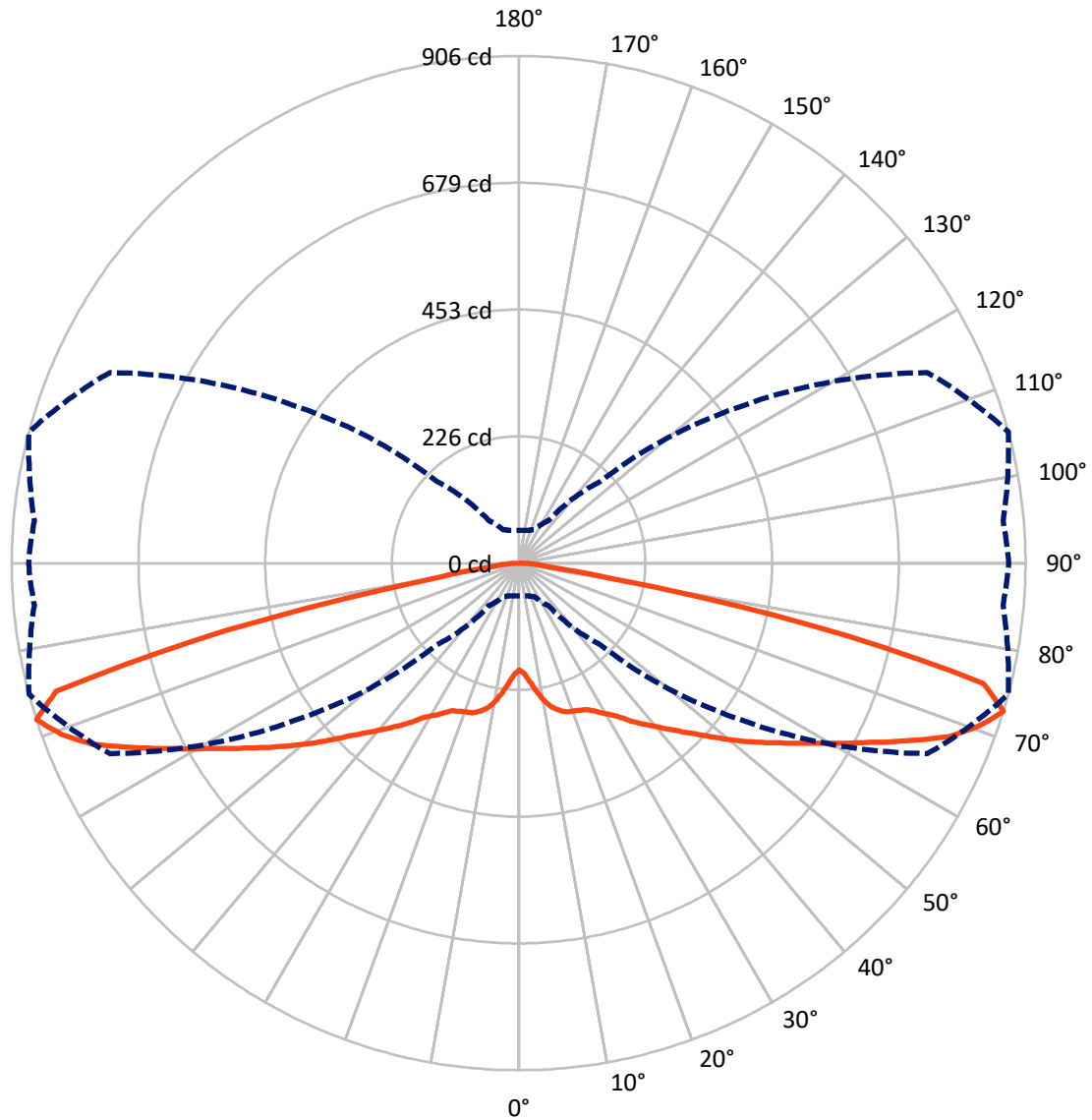
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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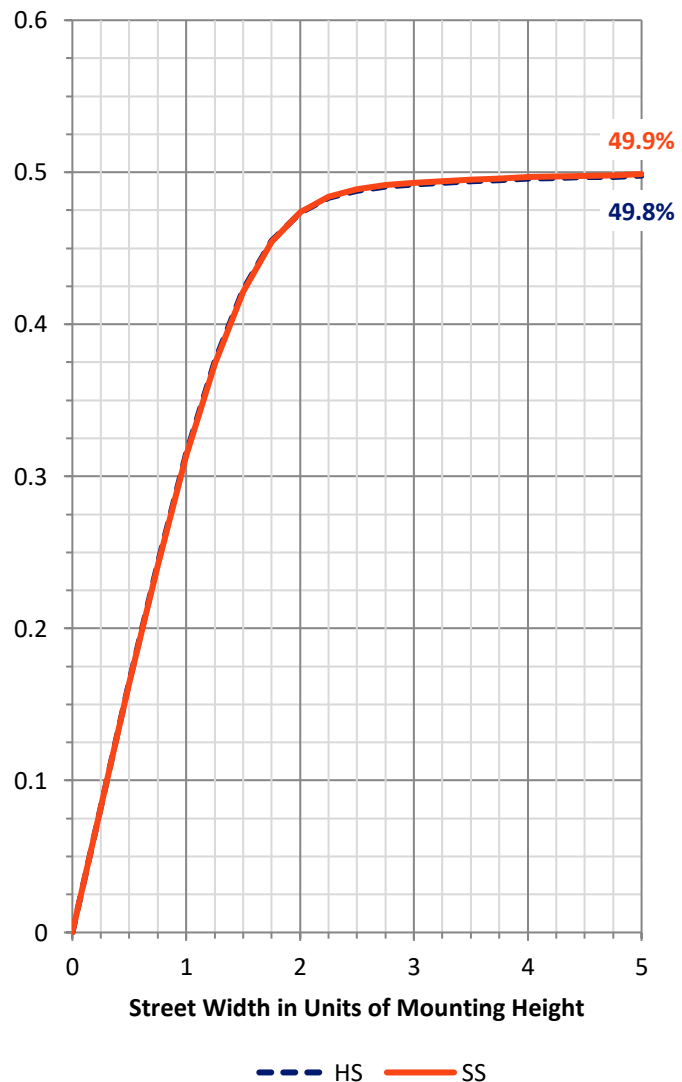
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1130.4	0.0	1130.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1130.4	0.0	1130.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2260.9	0.0	2260.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.0	0.9
10°-20°	70.1	3.1
20°-30°	135.8	6.0
30°-40°	231.7	10.2
40°-50°	373.1	16.5
50°-60°	534.8	23.7
60°-70°	561.6	24.8
70°-80°	308.8	13.7
80°-90°	25.0	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°	2260.9	100.0
0°-180°	2260.9	100.0

**Coefficient of Utilization**

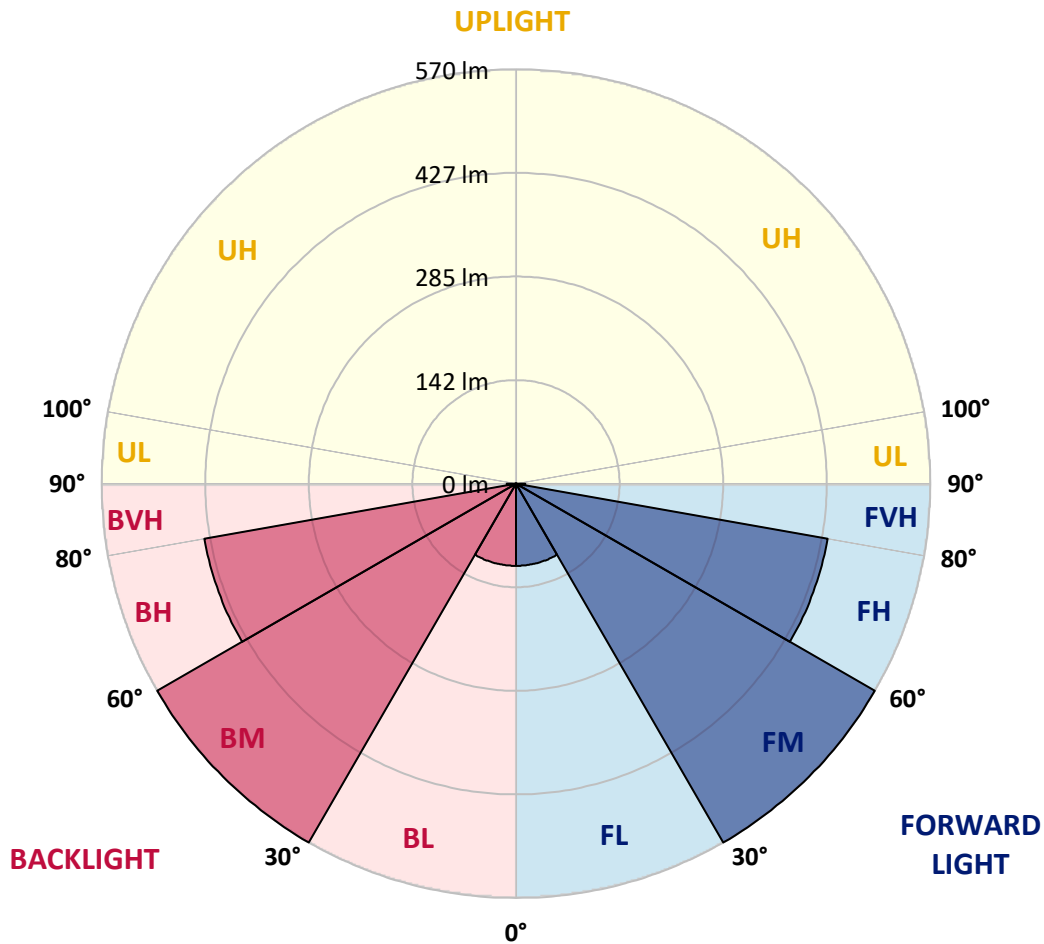


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.0	5.0			
FM (30°-60°)	569.8	25.2			
FH (60°-80°)	435.2	19.2			G0/660
FVH (80°-90°)	12.5	0.6			G1/100
BL (0°-30°)	113.0	5.0	B1/500		
BM (30°-60°)	569.8	25.2	B1/1000		
BH (60°-80°)	435.2	19.2	B1/500		G1/500
BVH (80°-90°)	12.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	190.5	190.5	190.5	190.5	190.5	190.5	190.5	190.5	190.5	190.5	190.5
2.5°	188.3	188.3	189.4	190.5	191.6	193.9	196.1	197.2	198.3	198.3	199.4
5°	189.4	189.4	190.5	193.9	197.2	201.7	206.1	209.5	212.8	213.9	215.0
7.5°	192.7	192.7	196.1	199.4	205.0	212.8	219.5	225.1	231.7	234.0	235.1
10°	196.1	196.1	200.5	207.2	215.0	223.9	234.0	241.8	249.6	254.0	255.1
12.5°	198.3	198.3	203.9	213.9	226.2	238.4	247.3	254.0	264.0	269.6	271.8
15°	203.9	203.9	211.7	223.9	239.5	251.8	260.7	266.3	273.0	280.8	281.9
17.5°	211.7	211.7	220.6	235.1	251.8	266.3	274.1	275.2	279.6	286.3	287.4
20°	220.6	220.6	231.7	248.4	266.3	279.6	286.3	283.0	281.9	287.4	288.6
22.5°	235.1	235.1	246.2	265.2	283.0	297.5	298.6	290.8	285.2	288.6	289.7
25°	249.6	249.6	261.8	281.9	305.3	317.5	315.3	303.0	289.7	291.9	293.0
27.5°	264.0	265.2	277.4	299.7	322.0	336.5	334.2	316.4	300.8	296.4	299.7
30°	284.1	285.2	299.7	320.9	340.9	353.2	353.2	333.1	313.1	305.3	306.4
32.5°	313.1	315.3	326.4	345.4	362.1	372.1	368.8	350.9	326.4	318.6	318.6
35°	343.1	344.3	356.5	373.2	386.6	392.2	386.6	369.9	346.5	335.3	337.6
37.5°	373.2	374.3	387.7	401.1	414.4	414.4	407.8	388.8	365.4	353.2	356.5
40°	406.7	408.9	421.1	436.7	444.5	441.2	432.3	411.1	385.5	373.2	375.5
42.5°	441.2	442.3	457.9	474.6	480.2	474.6	460.1	435.6	407.8	396.6	398.9
45°	472.4	472.4	490.2	511.4	518.1	512.5	491.3	465.7	433.4	421.1	422.2
47.5°	500.2	501.4	520.3	542.6	554.8	552.6	528.1	498.0	463.5	449.0	446.8
50°	524.7	528.1	544.8	569.3	586.0	591.6	566.0	531.4	496.9	479.1	475.7
52.5°	544.8	549.3	567.1	591.6	612.8	628.4	606.1	568.2	531.4	512.5	511.4
55°	551.5	557.1	579.3	609.4	633.9	657.3	644.0	610.5	567.1	548.1	550.4
57.5°	537.0	540.3	572.7	612.8	652.9	683.0	677.4	651.8	607.2	589.4	596.0
60°	476.8	483.5	524.7	581.6	651.8	707.5	711.9	693.0	652.9	638.4	644.0
62.5°	376.6	381.0	430.0	503.6	609.4	718.6	750.9	736.4	705.2	691.9	700.8
65°	234.0	238.4	287.4	375.5	518.1	686.3	796.6	792.1	764.3	749.8	763.2
67.5°	131.5	133.7	159.3	217.3	361.0	589.4	806.6	855.6	827.8	804.4	814.4
70°	74.6	74.6	83.6	114.8	195.0	412.2	704.1	872.3	872.3	841.2	847.8
72.5°	59.0	59.0	60.2	65.7	92.5	206.1	491.3	805.5	905.8	869.0	875.7
75°	50.1	49.0	50.1	51.2	54.6	80.2	244.0	598.3	857.9	861.2	866.8
77.5°	39.0	39.0	40.1	41.2	42.3	46.8	85.8	278.5	537.0	622.8	633.9
80°	29.0	29.0	31.2	31.2	31.2	34.5	44.6	86.9	168.2	210.6	201.7
82.5°	18.9	17.8	23.4	22.3	22.3	22.3	30.1	43.5	56.8	49.0	36.8
85°	11.1	11.1	13.4	13.4	13.4	12.3	17.8	25.6	33.4	22.3	16.7
87.5°	2.2	2.2	3.3	3.3	3.3	3.3	5.6	7.8	13.4	7.8	5.6
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)