

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: P525272

Luminaire Tested: **IFLD-S-SA2C-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525272  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (32) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

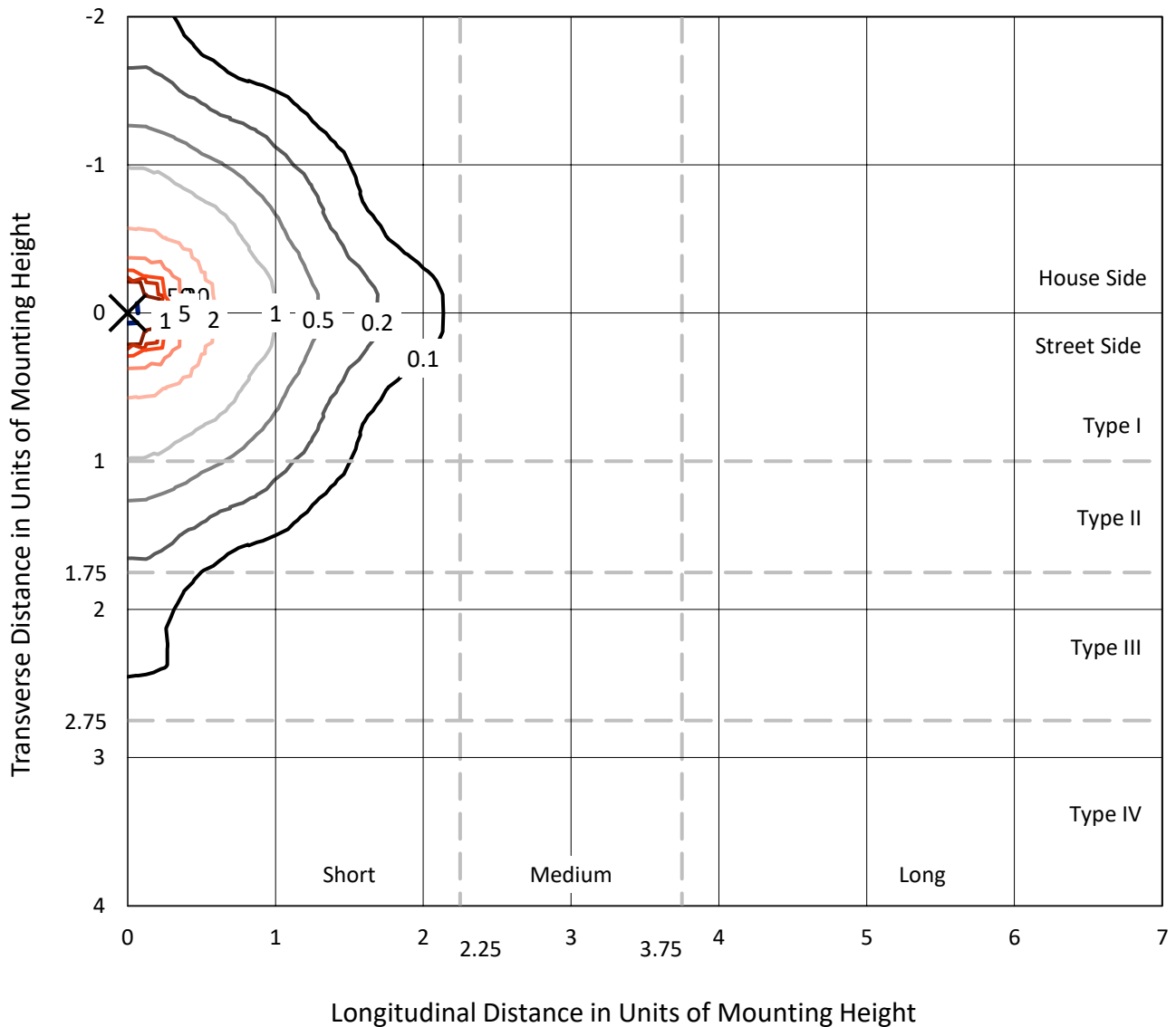
Lumens per Lamp: N/A  
Luminaire Lumens: 5249.4 lumens  
Efficiency: N/A  
Efficacy: 48.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 108.2  
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

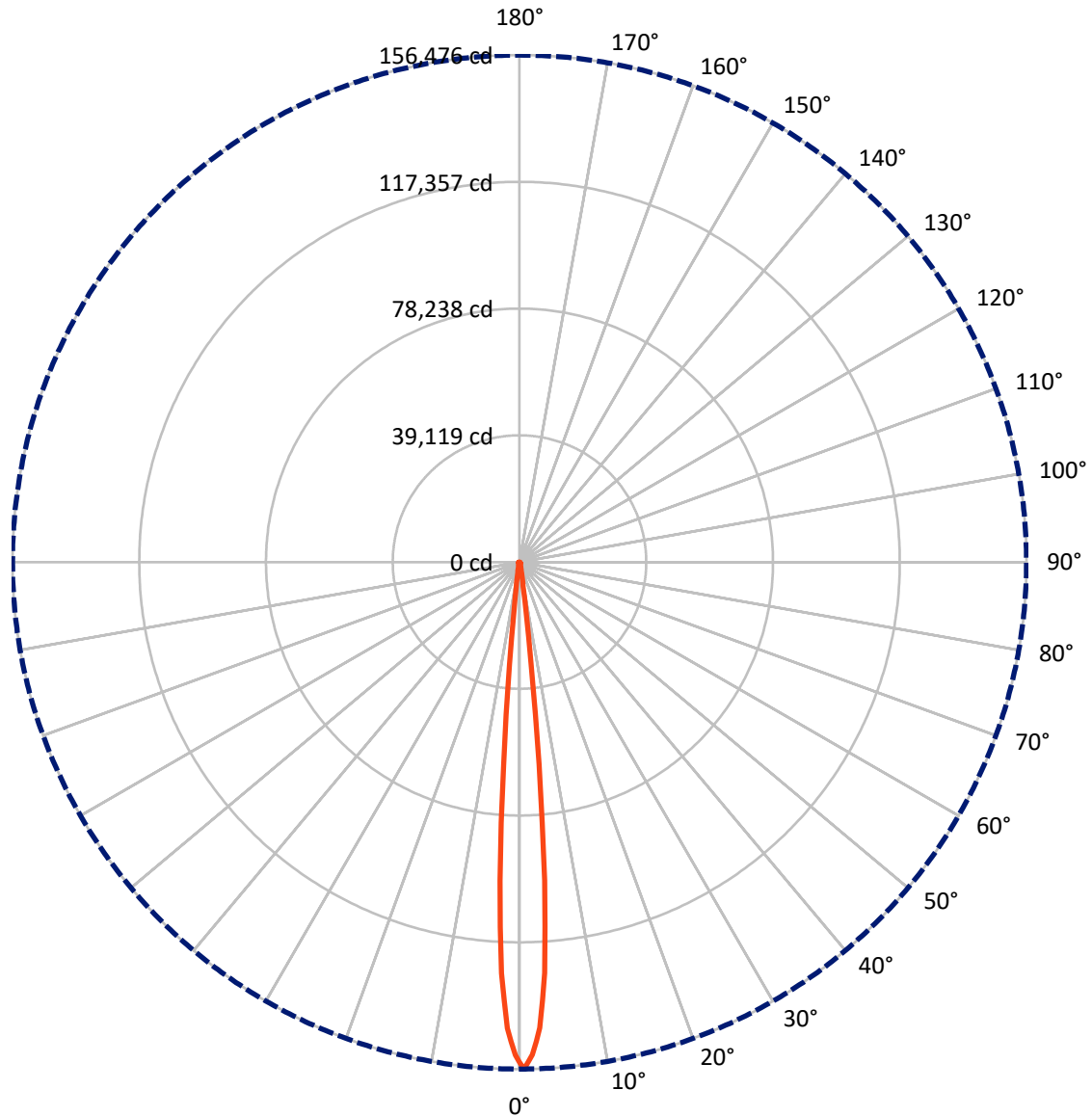
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1564.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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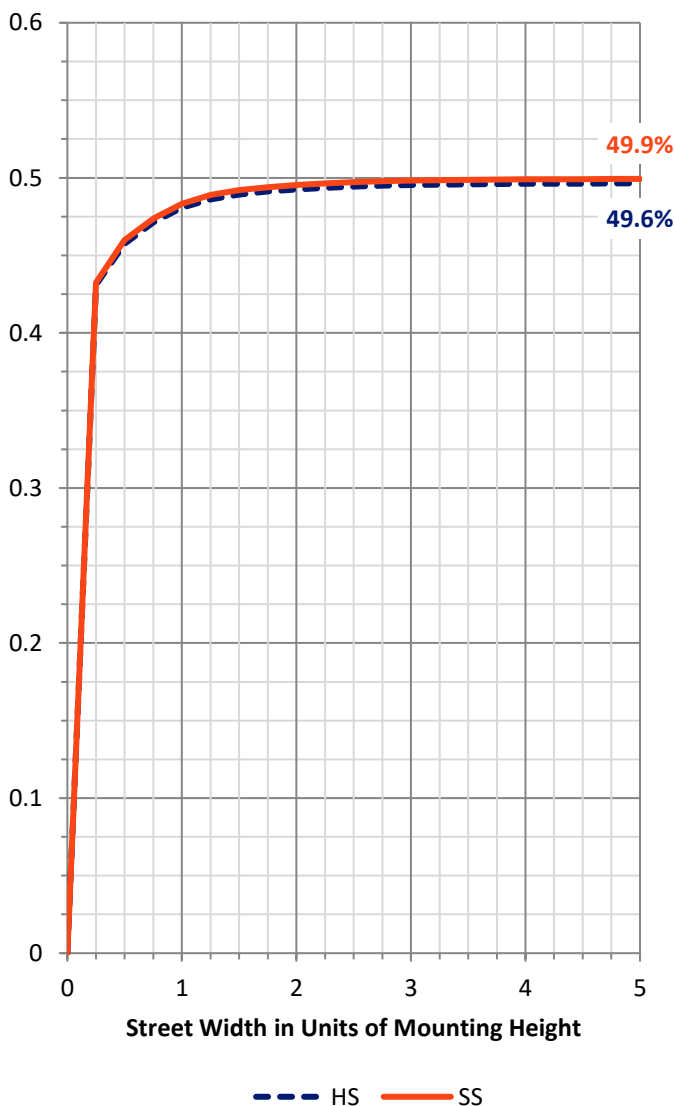
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2624.7	0.0	2624.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2624.7	0.0	2624.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5249.4	0.0	5249.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4031.5	76.8
10°-20°	393.2	7.5
20°-30°	210.1	4.0
30°-40°	173.3	3.3
40°-50°	192.9	3.7
50°-60°	129.7	2.5
60°-70°	82.8	1.6
70°-80°	32.7	0.6
80°-90°	3.2	0.1
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°	5249.4	100.0
0°-180°	5249.4	100.0

**Coefficient of Utilization**



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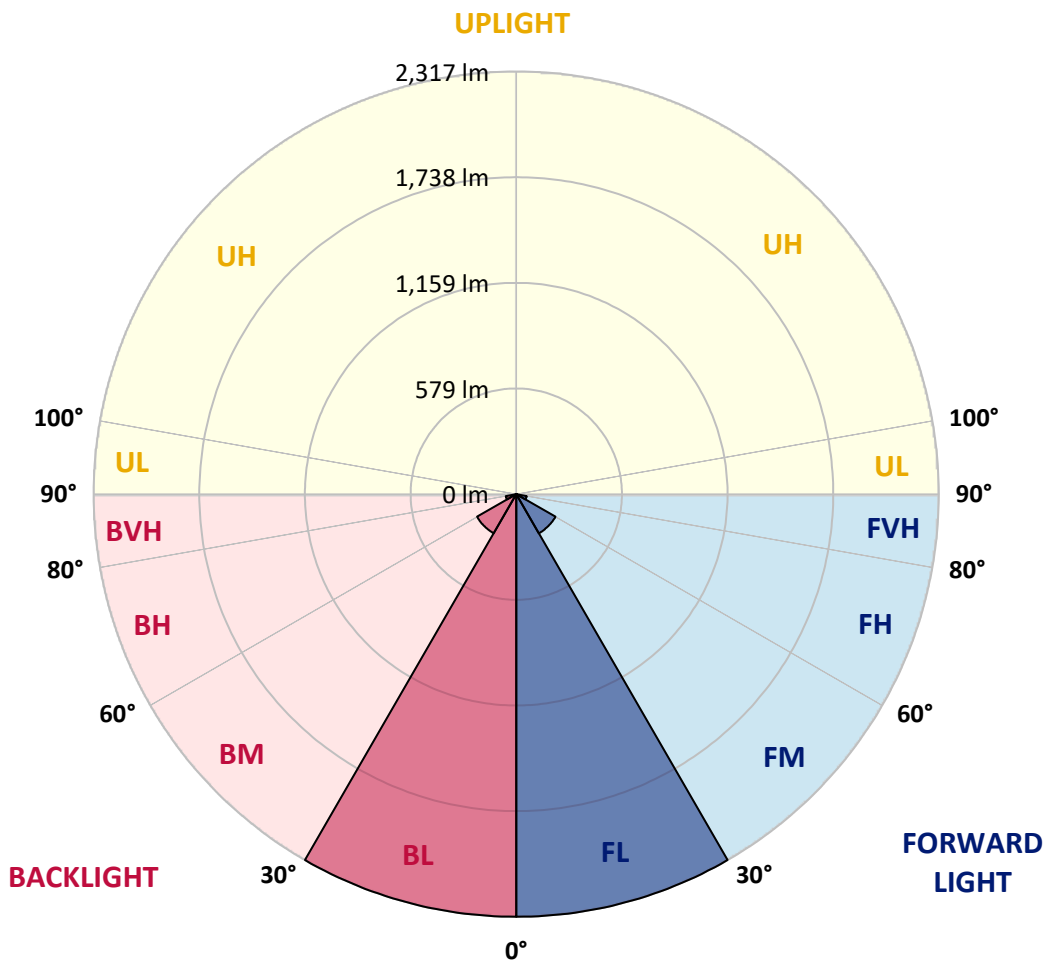
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2317.4	44.1			
FM (30°-60°)	248.0	4.7			
FH (60°-80°)	57.7	1.1			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	2317.4	44.1	B3/2500		
BM (30°-60°)	248.0	4.7	B1/1000		
BH (60°-80°)	57.7	1.1	B0/110		G0/660
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	156475.6	156475.6	156475.6	156475.6	156475.6	156475.6	156475.6	156475.6	156475.6	156475.6
1°	152126.8	152391.3	152439.0	152124.0	151320.8	151510.4	151485.8	151528.1	151449.0	150947.1
2°	143889.9	144281.3	143869.4	142985.8	141155.6	140719.3	139261.4	137634.5	135902.6	134166.6
3°	127076.6	127900.3	127312.6	128256.2	124544.2	124169.2	121103.5	117061.5	112964.9	109645.6
4°	98527.2	100049.1	100250.9	103365.7	100316.4	101269.6	97767.6	92151.8	86023.3	81334.8
5°	62803.3	64925.2	66122.6	69043.6	70448.3	74105.8	72399.8	66763.5	59681.7	54288.2
6°	31732.3	32887.4	36104.4	39316.0	42902.5	47756.0	48413.3	43465.8	37829.5	32652.8
7°	14792.2	15269.5	17538.8	18223.4	22324.1	27589.4	28325.8	25613.3	22640.4	18628.4
8°	7643.6	7829.1	8658.2	9166.9	11558.9	14587.7	15104.5	13397.2	12180.7	10162.4
9°	4707.6	4789.4	5100.3	5214.9	6109.5	7456.8	7639.5	6925.0	6594.9	5898.1
10°	3264.7	3308.4	3454.3	3484.3	3783.0	4226.2	4242.5	4008.0	4013.4	3838.9
12.5°	1740.1	1753.7	1794.7	1798.7	1856.0	1902.4	1891.5	1892.8	1916.0	1892.8
15°	1112.8	1119.6	1144.2	1149.6	1179.6	1196.0	1187.8	1186.4	1194.6	1179.6
17.5°	793.7	797.8	815.5	830.5	849.6	855.1	852.3	849.6	849.6	836.0
20°	619.1	624.6	636.9	651.9	661.4	670.9	672.3	670.9	666.9	660.0
22.5°	526.4	529.1	533.2	540.0	546.9	550.9	553.7	555.0	553.7	550.9
25°	458.2	460.9	469.1	473.2	473.2	474.6	480.0	482.8	484.1	478.7
27.5°	338.2	345.0	357.3	364.1	364.1	366.8	370.9	376.4	381.8	372.3
30°	261.8	267.3	280.9	280.9	279.6	282.3	286.4	294.6	302.7	291.8
32.5°	235.9	235.9	238.7	240.0	240.0	244.1	246.8	253.7	260.5	257.7
35°	246.8	240.0	231.8	231.8	234.6	242.7	244.1	250.9	257.7	267.3
37.5°	358.7	338.2	308.2	302.7	302.7	312.3	308.2	312.3	324.6	360.0
40°	325.9	309.6	291.8	267.3	267.3	280.9	271.4	276.8	305.5	327.3
42.5°	290.5	290.5	271.4	248.2	248.2	255.0	252.3	255.0	287.7	305.5
45°	268.7	268.7	263.2	226.4	231.8	235.9	235.9	235.9	279.6	285.0
47.5°	256.4	256.4	242.7	208.6	215.5	216.8	219.6	216.8	250.9	270.0
50°	229.1	231.8	208.6	184.1	192.3	192.3	196.4	190.9	216.8	248.2
52.5°	197.7	200.5	165.0	145.9	155.5	154.1	159.6	151.4	171.8	215.5
55°	175.9	174.6	136.4	118.6	129.6	128.2	130.9	121.4	139.1	185.5
57.5°	152.7	155.5	111.8	96.8	109.1	106.4	110.5	99.6	114.6	165.0
60°	135.0	139.1	95.5	81.8	94.1	91.4	95.5	83.2	98.2	148.6
62.5°	129.6	129.6	84.6	69.5	81.8	79.1	81.8	69.5	87.3	136.4
65°	154.1	145.9	76.4	57.3	69.5	66.8	69.5	57.3	76.4	130.9
67.5°	204.6	195.0	72.3	45.0	55.9	51.8	55.9	46.4	66.8	122.7
70°	106.4	113.2	72.3	35.5	42.3	42.3	40.9	35.5	55.9	90.0
72.5°	61.4	62.7	55.9	27.3	32.7	35.5	31.4	27.3	40.9	66.8
75°	34.1	38.2	35.5	20.5	24.5	27.3	23.2	20.5	28.6	47.7
77.5°	20.5	23.2	20.5	13.6	16.4	15.0	16.4	13.6	19.1	31.4
80°	10.9	10.9	10.9	8.2	8.2	9.5	9.5	8.2	10.9	16.4
82.5°	4.1	4.1	4.1	2.7	4.1	4.1	4.1	5.5	5.5	6.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
156475.6  
151442.2  
135166.2  
110904.3  
82421.7  
54979.6  
33040.1  
19113.9  
10436.5  
6049.4  
3919.3  
1918.8  
1190.5  
840.0  
661.4  
552.3  
478.7  
370.9  
289.1  
257.7  
272.7  
377.7  
347.7  
306.8  
283.7  
265.9  
245.5  
210.0  
182.7  
160.9  
144.6  
135.0  
130.9  
121.4  
88.6  
65.5  
42.3  
23.2  
13.6  
6.8  
1.4  
1.4  
0.0

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