

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: P525350

Luminaire Tested: **IFLD-S-SA2C-940-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525350  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-940-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (32) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

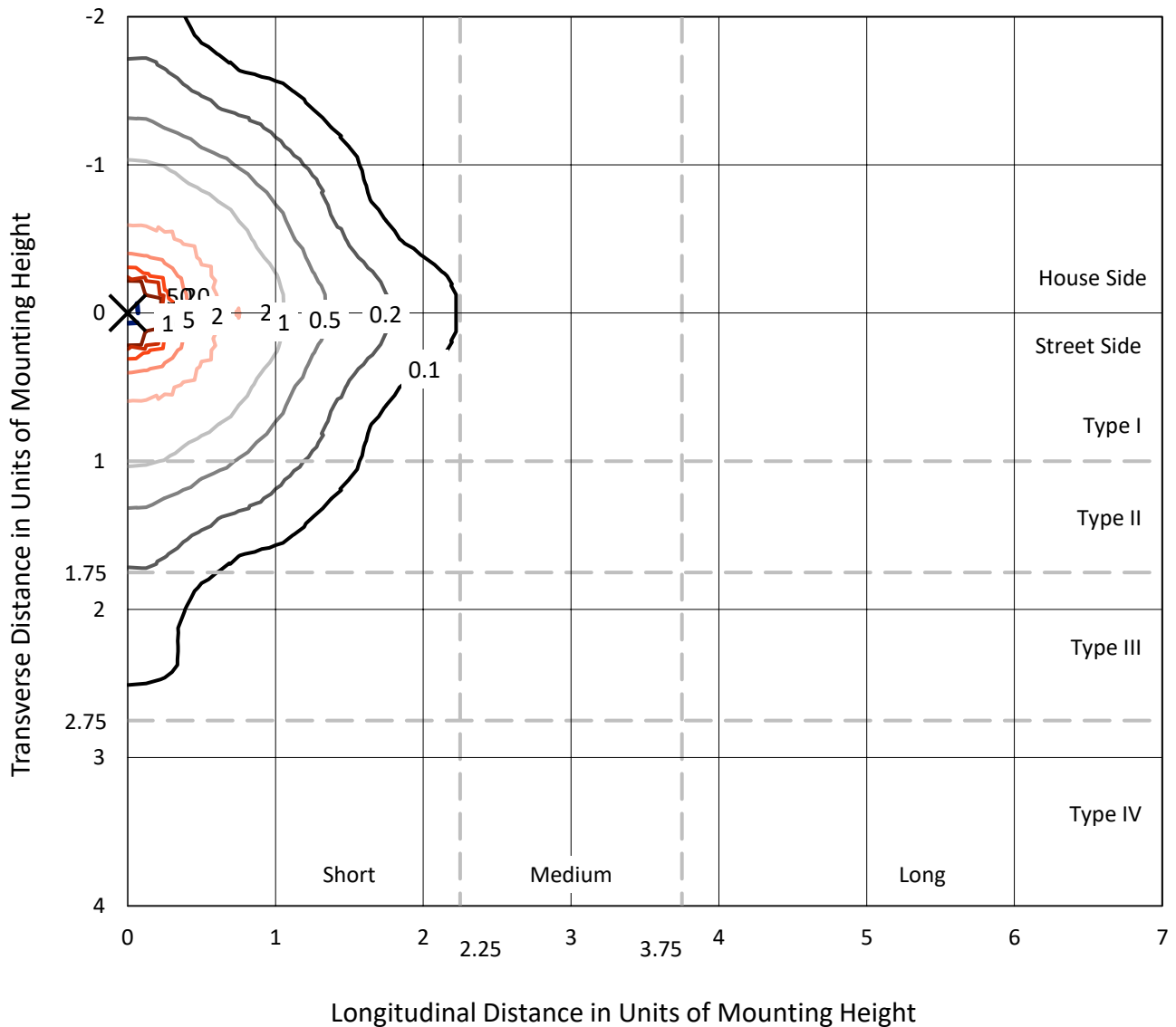
Lumens per Lamp: N/A  
Luminaire Lumens: 5926.8 lumens  
Efficiency: N/A  
Efficacy: 54.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

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

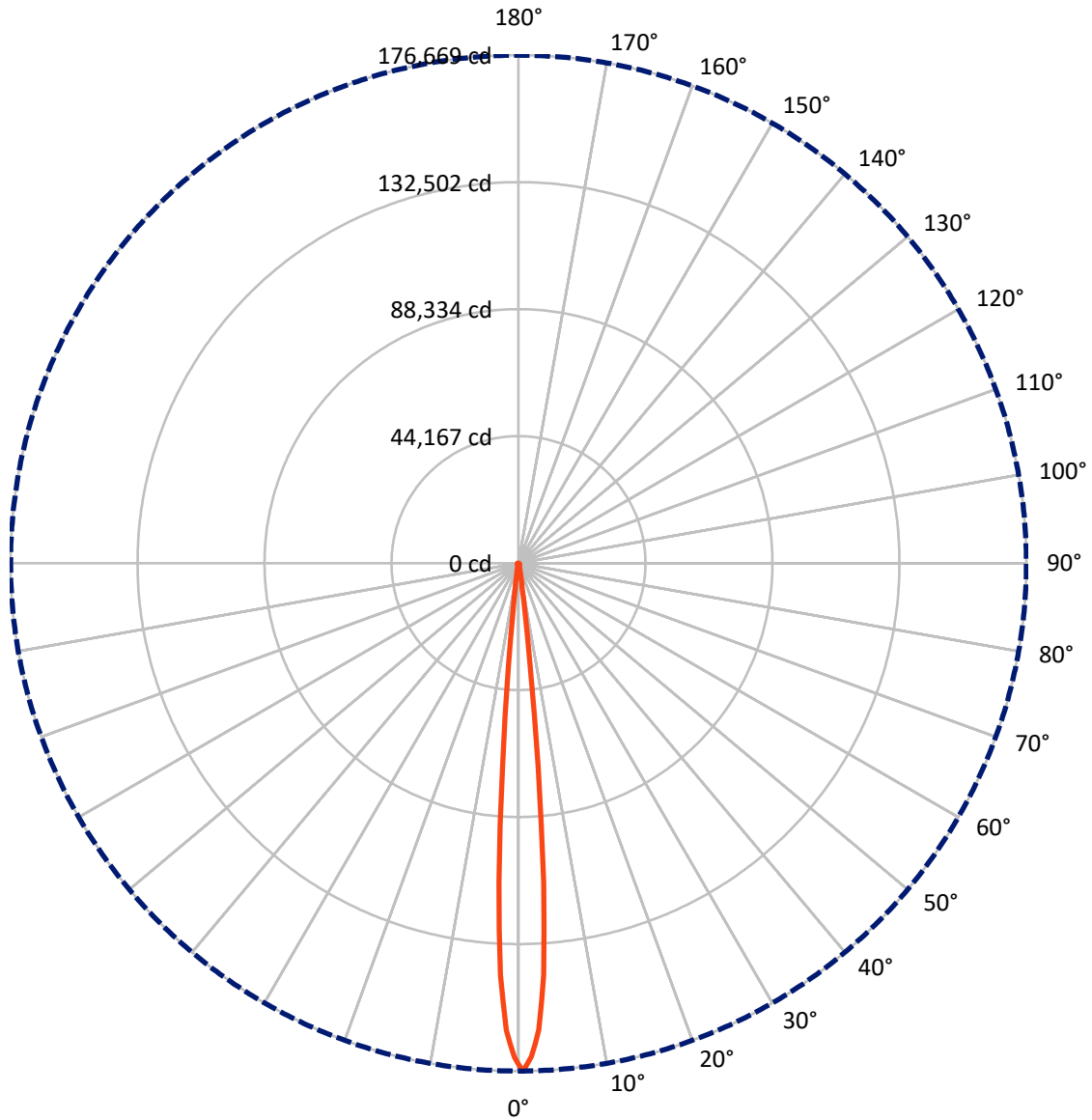
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1766.7 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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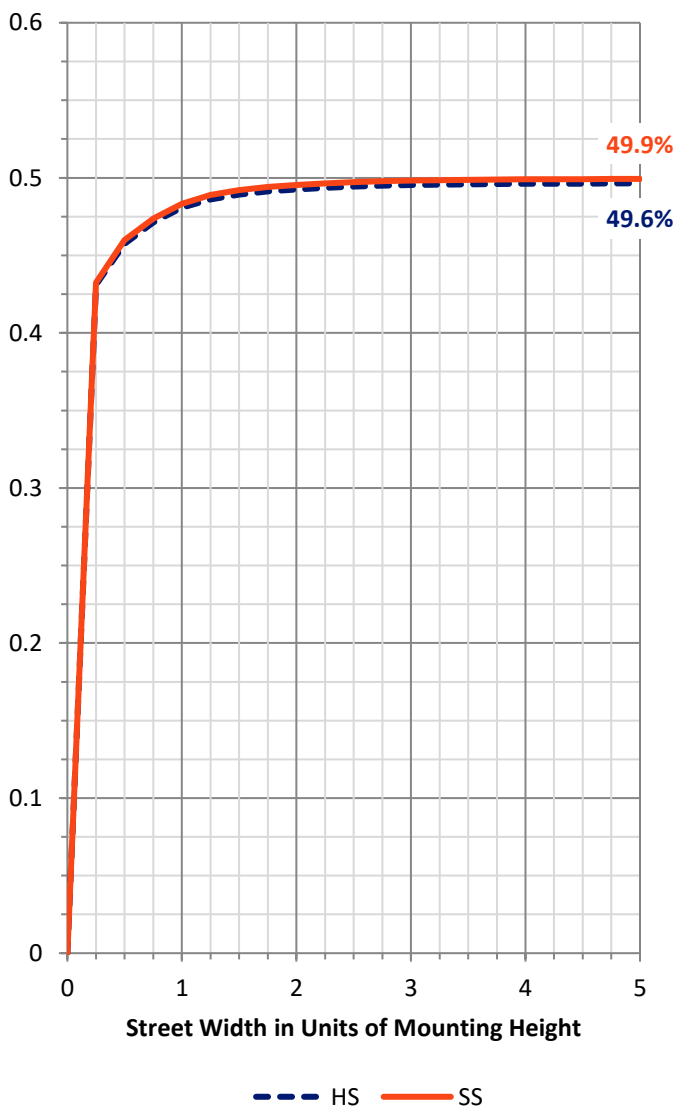
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2963.4	0.0	2963.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2963.4	0.0	2963.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5926.8	0.0	5926.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4551.8	76.8
10°-20°	444.0	7.5
20°-30°	237.2	4.0
30°-40°	195.6	3.3
40°-50°	217.8	3.7
50°-60°	146.5	2.5
60°-70°	93.5	1.6
70°-80°	36.9	0.6
80°-90°	3.6	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°	5926.8	100.0
0°-180°	5926.8	100.0

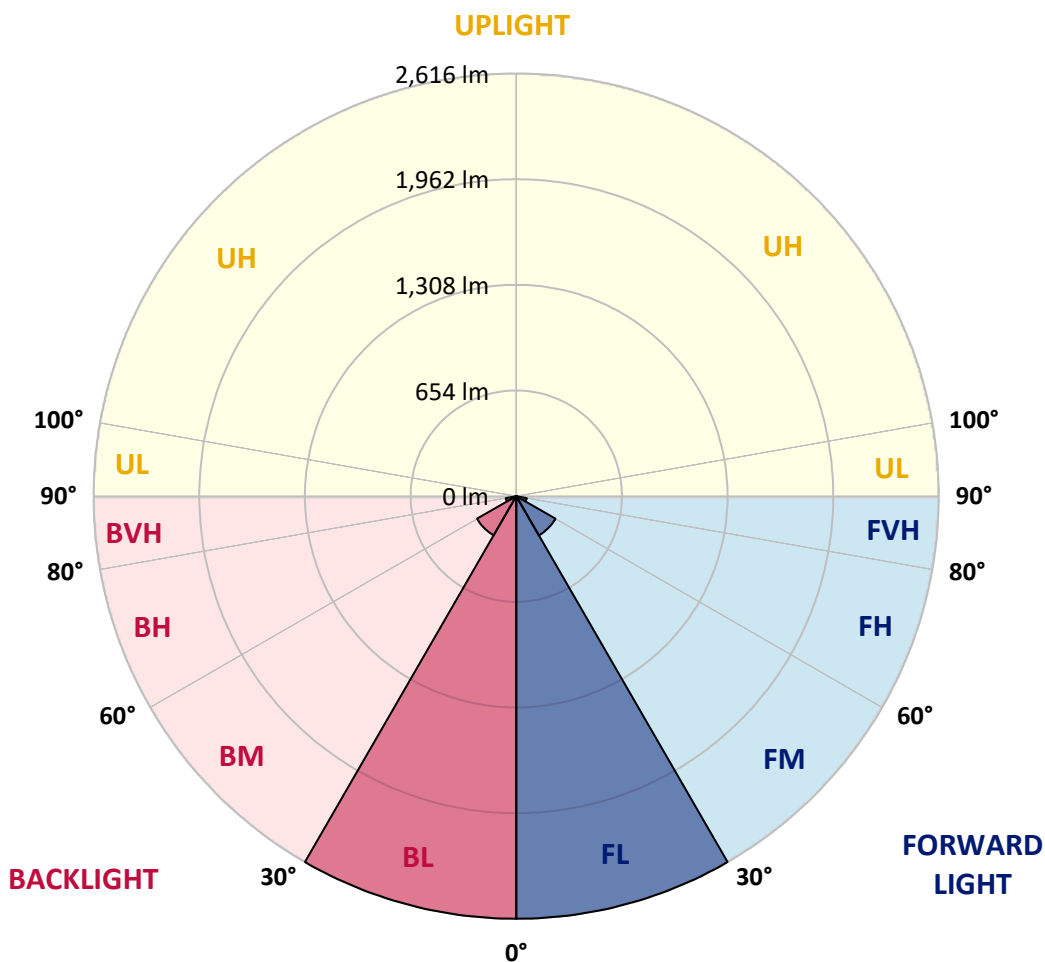


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2616.5	44.1			
FM (30°-60°)	280.0	4.7			
FH (60°-80°)	65.2	1.1			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	2616.5	44.1	B4/5000		
BM (30°-60°)	280.0	4.7	B1/1000		
BH (60°-80°)	65.2	1.1	B0/110		G0/660
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	176668.9	176668.9	176668.9	176668.9	176668.9	176668.9	176668.9	176668.9	176668.9	176668.9
1°	171758.8	172057.5	172111.4	171755.7	170848.8	171062.8	171035.1	171082.9	170993.5	170426.9
2°	162459.0	162900.9	162435.9	161438.1	159371.9	158879.1	157233.2	155396.3	153440.9	151480.9
3°	143475.9	144405.9	143742.3	144807.8	140616.7	140193.3	136732.0	132168.3	127543.1	123795.4
4°	111242.2	112960.5	113188.4	116705.1	113262.3	114338.5	110384.6	104044.1	97124.6	91831.1
5°	70908.1	73303.8	74655.7	77953.8	79539.7	83669.1	81743.0	75379.4	67383.7	61294.1
6°	35827.4	37131.5	40763.7	44389.7	48439.1	53919.0	54661.1	49075.0	42711.4	36866.7
7°	16701.2	17240.1	19802.2	20575.1	25205.0	31149.8	31981.2	28918.8	25562.2	21032.4
8°	8630.1	8839.5	9775.6	10349.9	13050.5	16470.2	17053.8	15126.1	13752.7	11473.9
9°	5315.1	5407.4	5758.5	5887.8	6897.9	8419.1	8625.4	7818.6	7446.0	6659.2
10°	3686.1	3735.3	3900.1	3933.9	4271.1	4771.5	4790.0	4525.2	4531.4	4334.3
12.5°	1964.7	1980.1	2026.3	2030.9	2095.5	2147.9	2135.6	2137.1	2163.3	2137.1
15°	1256.4	1264.1	1291.8	1298.0	1331.8	1350.3	1341.1	1339.5	1348.8	1331.8
17.5°	896.1	900.7	920.7	937.7	959.2	965.4	962.3	959.2	959.2	943.8
20°	699.0	705.2	719.0	736.0	746.8	757.5	759.1	757.5	752.9	745.2
22.5°	594.3	597.4	602.0	609.7	617.4	622.0	625.1	626.7	625.1	622.0
25°	517.3	520.4	529.7	534.3	534.3	535.8	542.0	545.1	546.6	540.4
27.5°	381.8	389.5	403.4	411.1	411.1	414.2	418.8	425.0	431.1	420.3
30°	295.6	301.8	317.2	317.2	315.6	318.7	323.3	332.6	341.8	329.5
32.5°	266.4	266.4	269.4	271.0	271.0	275.6	278.7	286.4	294.1	291.0
35°	278.7	271.0	261.7	261.7	264.8	274.1	275.6	283.3	291.0	301.8
37.5°	404.9	381.8	348.0	341.8	341.8	352.6	348.0	352.6	366.4	406.5
40°	368.0	349.5	329.5	301.8	301.8	317.2	306.4	312.6	344.9	369.5
42.5°	328.0	328.0	306.4	280.2	280.2	287.9	284.8	287.9	324.9	344.9
45°	303.3	303.3	297.2	255.6	261.7	266.4	266.4	266.4	315.6	321.8
47.5°	289.5	289.5	274.1	235.6	243.3	244.8	247.9	244.8	283.3	304.9
50°	258.7	261.7	235.6	207.9	217.1	217.1	221.7	215.6	244.8	280.2
52.5°	223.3	226.3	186.3	164.7	175.5	174.0	180.1	170.9	194.0	243.3
55°	198.6	197.1	154.0	134.0	146.3	144.7	147.8	137.0	157.0	209.4
57.5°	172.4	175.5	126.3	109.3	123.2	120.1	124.7	112.4	129.3	186.3
60°	152.4	157.0	107.8	92.4	106.2	103.2	107.8	93.9	110.9	167.8
62.5°	146.3	146.3	95.5	78.5	92.4	89.3	92.4	78.5	98.5	154.0
65°	174.0	164.7	86.2	64.7	78.5	75.4	78.5	64.7	86.2	147.8
67.5°	231.0	220.2	81.6	50.8	63.1	58.5	63.1	52.3	75.4	138.6
70°	120.1	127.8	81.6	40.0	47.7	47.7	46.2	40.0	63.1	101.6
72.5°	69.3	70.8	63.1	30.8	37.0	40.0	35.4	30.8	46.2	75.4
75°	38.5	43.1	40.0	23.1	27.7	30.8	26.2	23.1	32.3	53.9
77.5°	23.1	26.2	23.1	15.4	18.5	16.9	18.5	15.4	21.6	35.4
80°	12.3	12.3	12.3	9.2	9.2	10.8	10.8	9.2	12.3	18.5
82.5°	4.6	4.6	4.6	3.1	4.6	4.6	4.6	6.2	6.2	7.7
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
176668.9  
170985.9  
152609.5  
125216.6  
93058.3  
62074.8  
37304.0  
21580.5  
11783.4  
6830.1  
4425.1  
2166.4  
1344.2  
948.5  
746.8  
623.6  
540.4  
418.8  
326.4  
291.0  
307.9  
426.5  
392.6  
346.4  
320.3  
300.2  
277.1  
237.1  
206.3  
181.7  
163.2  
152.4  
147.8  
137.0  
100.1  
73.9  
47.7  
26.2  
15.4  
7.7  
1.5  
1.5  
0.0

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