

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: P525231

Luminaire Tested: **IFLD-S-SA2A-927-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525231  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (32) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

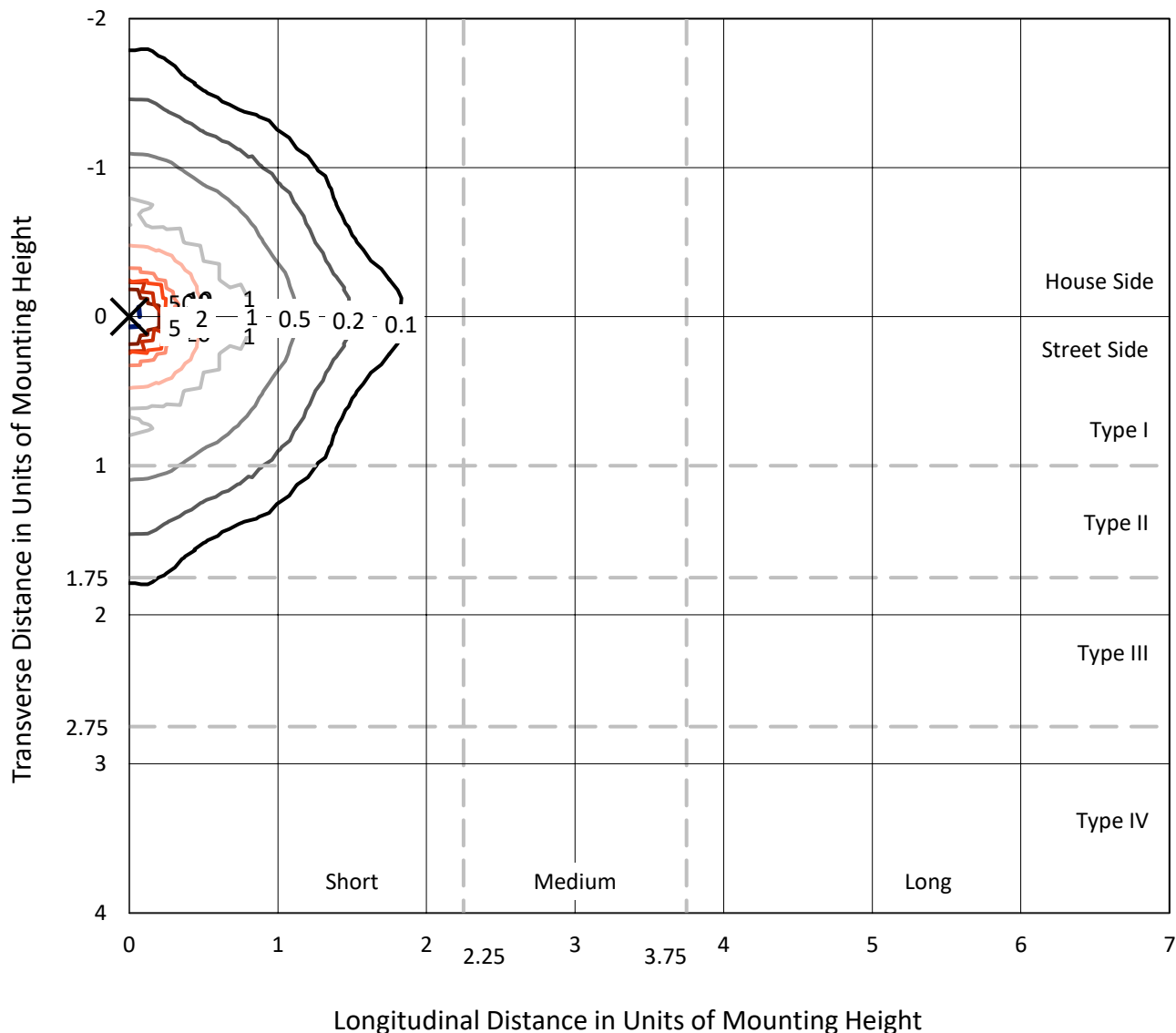
Lumens per Lamp: N/A  
Luminaire Lumens: 3372.8 lumens  
Efficiency: N/A  
Efficacy: 52.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 63.8  
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

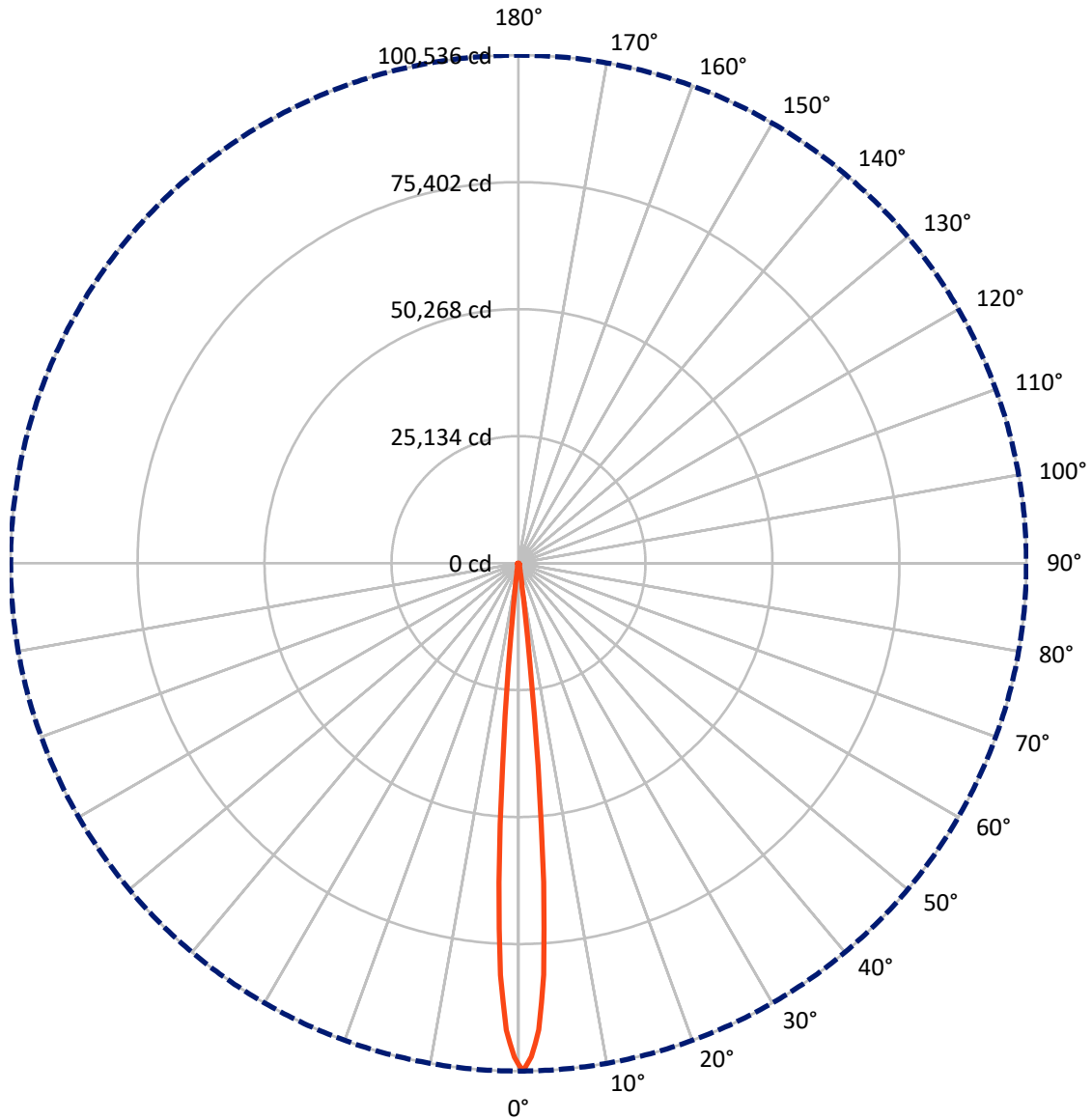
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1005.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P525231  
CATALOG NUMBER: IFLD-S-SA2A-927-U-11

### Luminous Intensity Polar Plot



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

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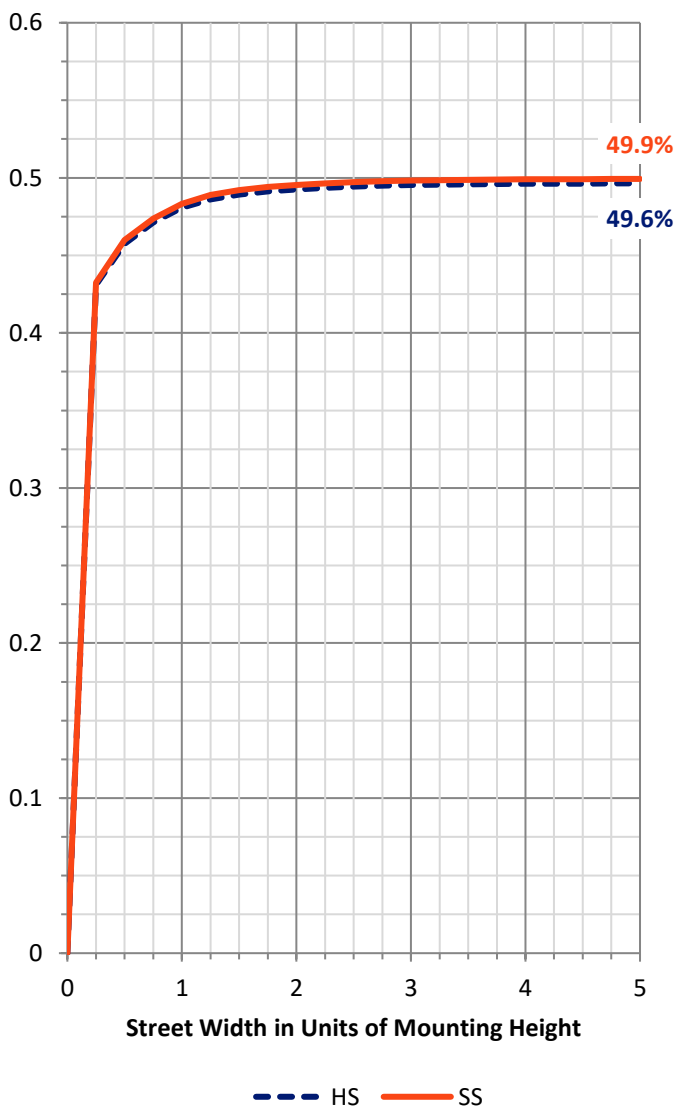
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1686.4	0.0	1686.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1686.4	0.0	1686.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3372.8	0.0	3372.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2590.3	76.8
10°-20°	252.6	7.5
20°-30°	135.0	4.0
30°-40°	111.3	3.3
40°-50°	124.0	3.7
50°-60°	83.4	2.5
60°-70°	53.2	1.6
70°-80°	21.0	0.6
80°-90°	2.1	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°	3372.8	100.0
0°-180°	3372.8	100.0

**Coefficient of Utilization**

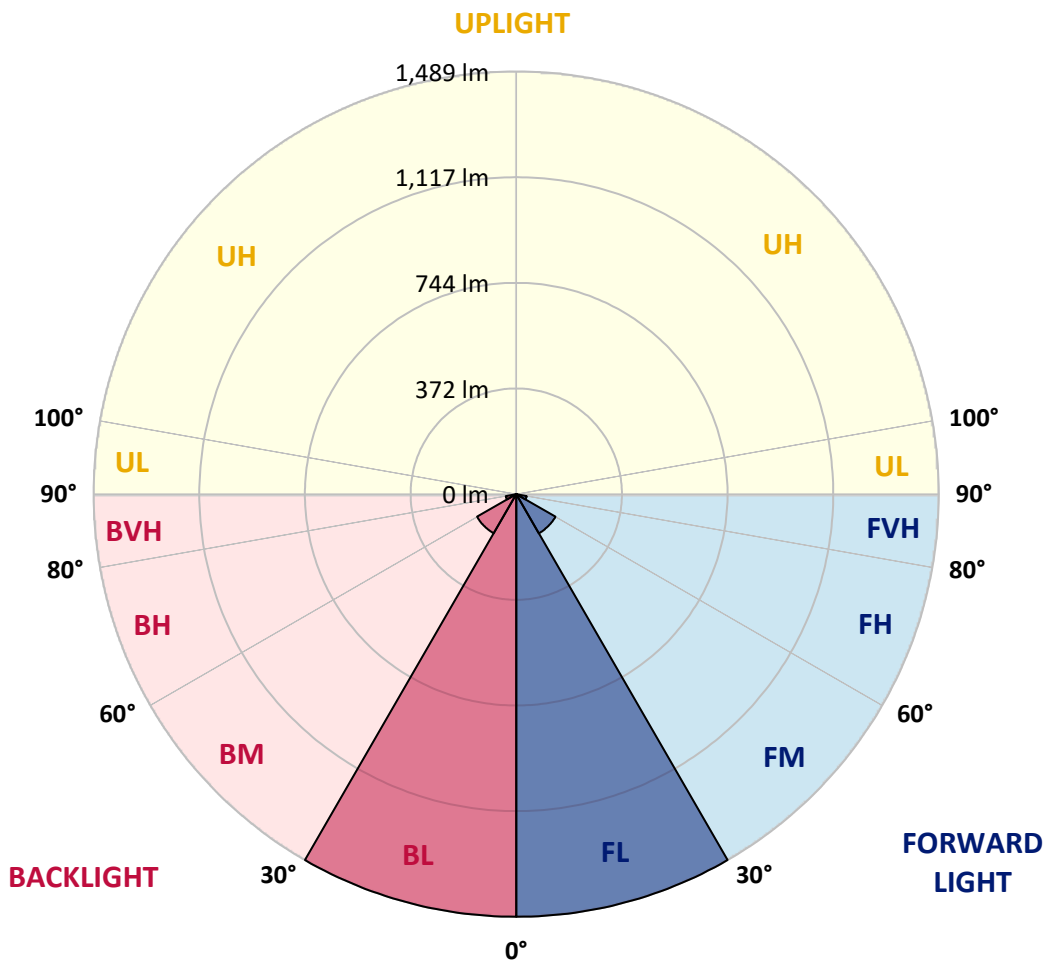


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1488.9	44.1			
FM (30°-60°)	159.3	4.7			
FH (60°-80°)	37.1	1.1			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	1488.9	44.1	B3/2500		
BM (30°-60°)	159.3	4.7	B0/220		
BH (60°-80°)	37.1	1.1	B0/110		G0/660
BVH (80°-90°)	1.0	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°	100536.1	100536.1	100536.1	100536.1	100536.1	100536.1	100536.1	100536.1	100536.1	100536.1
1°	97741.9	97911.9	97942.5	97740.1	97224.1	97345.9	97330.1	97357.2	97306.4	96984.0
2°	92449.7	92701.2	92436.5	91868.8	90692.9	90412.5	89475.9	88430.6	87317.8	86202.4
3°	81647.1	82176.3	81798.7	82405.0	80020.0	79779.1	77809.4	75212.4	72580.3	70447.6
4°	63304.0	64281.9	64411.5	66412.8	64453.6	65066.0	62816.0	59207.8	55270.2	52257.9
5°	40351.3	41714.6	42483.9	44360.7	45263.2	47613.2	46517.1	42895.8	38345.7	34880.3
6°	20388.1	21130.3	23197.2	25260.6	27565.0	30683.4	31105.7	27926.9	24305.6	20979.6
7°	9504.1	9810.7	11268.7	11708.6	14343.3	17726.2	18199.4	16456.6	14546.5	11968.8
8°	4911.1	5030.2	5562.9	5889.8	7426.6	9372.6	9704.7	8607.7	7826.2	6529.4
9°	3024.6	3077.2	3277.0	3350.6	3925.3	4791.0	4908.4	4449.3	4237.3	3789.5
10°	2097.6	2125.6	2219.4	2238.7	2430.6	2715.3	2725.8	2575.1	2578.6	2466.5
12.5°	1118.0	1126.8	1153.1	1155.7	1192.5	1222.3	1215.3	1216.2	1231.1	1216.2
15°	715.0	719.4	735.1	738.6	757.9	768.4	763.2	762.3	767.5	757.9
17.5°	509.9	512.6	524.0	533.6	545.9	549.4	547.6	545.9	545.9	537.1
20°	397.8	401.3	409.2	418.8	425.0	431.1	432.0	431.1	428.5	424.1
22.5°	338.2	340.0	342.6	347.0	351.4	354.0	355.7	356.6	355.7	354.0
25°	294.4	296.2	301.4	304.0	304.0	304.9	308.4	310.2	311.0	307.5
27.5°	217.3	221.7	229.6	233.9	233.9	235.7	238.3	241.8	245.3	239.2
30°	168.2	171.7	180.5	180.5	179.6	181.4	184.0	189.3	194.5	187.5
32.5°	151.6	151.6	153.3	154.2	154.2	156.8	158.6	163.0	167.4	165.6
35°	158.6	154.2	149.0	149.0	150.7	156.0	156.8	161.2	165.6	171.7
37.5°	230.4	217.3	198.0	194.5	194.5	200.6	198.0	200.6	208.5	231.3
40°	209.4	198.9	187.5	171.7	171.7	180.5	174.4	177.9	196.3	210.3
42.5°	186.6	186.6	174.4	159.5	159.5	163.8	162.1	163.8	184.9	196.3
45°	172.6	172.6	169.1	145.4	149.0	151.6	151.6	151.6	179.6	183.1
47.5°	164.7	164.7	156.0	134.1	138.4	139.3	141.1	139.3	161.2	173.5
50°	147.2	149.0	134.1	118.3	123.5	123.5	126.2	122.7	139.3	159.5
52.5°	127.0	128.8	106.0	93.8	99.9	99.0	102.5	97.3	110.4	138.4
55°	113.0	112.2	87.6	76.2	83.2	82.4	84.1	78.0	89.4	119.2
57.5°	98.1	99.9	71.8	62.2	70.1	68.3	71.0	64.0	73.6	106.0
60°	86.7	89.4	61.3	52.6	60.5	58.7	61.3	53.4	63.1	95.5
62.5°	83.2	83.2	54.3	44.7	52.6	50.8	52.6	44.7	56.1	87.6
65°	99.0	93.8	49.1	36.8	44.7	42.9	44.7	36.8	49.1	84.1
67.5°	131.4	125.3	46.4	28.9	35.9	33.3	35.9	29.8	42.9	78.9
70°	68.3	72.7	46.4	22.8	27.2	27.2	26.3	22.8	35.9	57.8
72.5°	39.4	40.3	35.9	17.5	21.0	22.8	20.2	17.5	26.3	42.9
75°	21.9	24.5	22.8	13.1	15.8	17.5	14.9	13.1	18.4	30.7
77.5°	13.1	14.9	13.1	8.8	10.5	9.6	10.5	8.8	12.3	20.2
80°	7.0	7.0	7.0	5.3	5.3	6.1	6.1	5.3	7.0	10.5
82.5°	2.6	2.6	2.6	1.8	2.6	2.6	2.6	3.5	3.5	4.4
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
100536.1  
97302.0  
86844.7  
71256.3  
52956.2  
35324.6  
21228.4  
12280.7  
6705.5  
3886.8  
2518.2  
1232.8  
764.9  
539.7  
425.0  
354.9  
307.5  
238.3  
185.8  
165.6  
175.2  
242.7  
223.4  
197.1  
182.2  
170.9  
157.7  
134.9  
117.4  
103.4  
92.9  
86.7  
84.1  
78.0  
57.0  
42.1  
27.2  
14.9  
8.8  
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0.0

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