

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: P525305

Luminaire Tested: **IFLD-L-SA8A-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525305  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

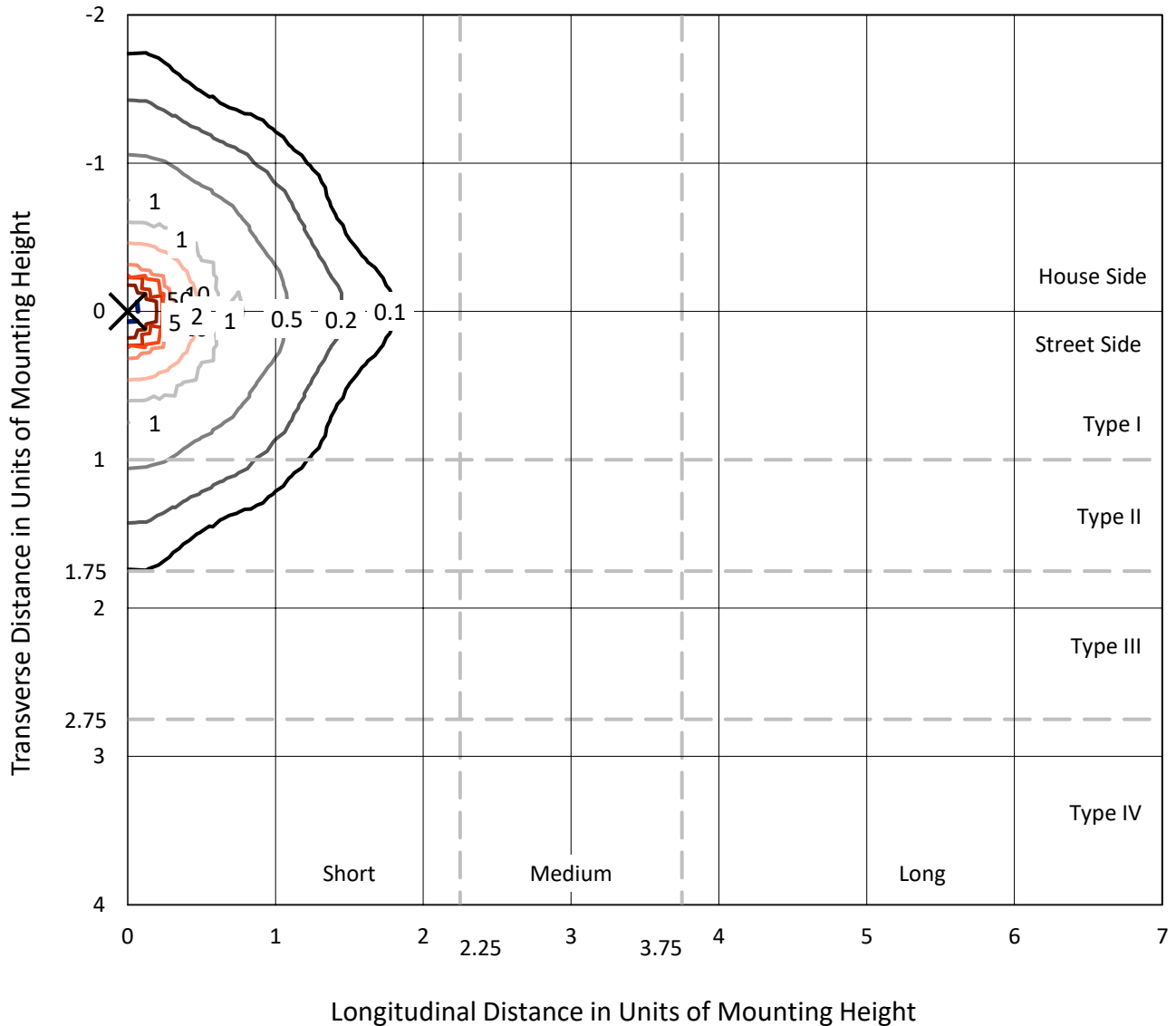
Lumens per Lamp: N/A  
Luminaire Lumens: 12445.2 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 247.8  
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

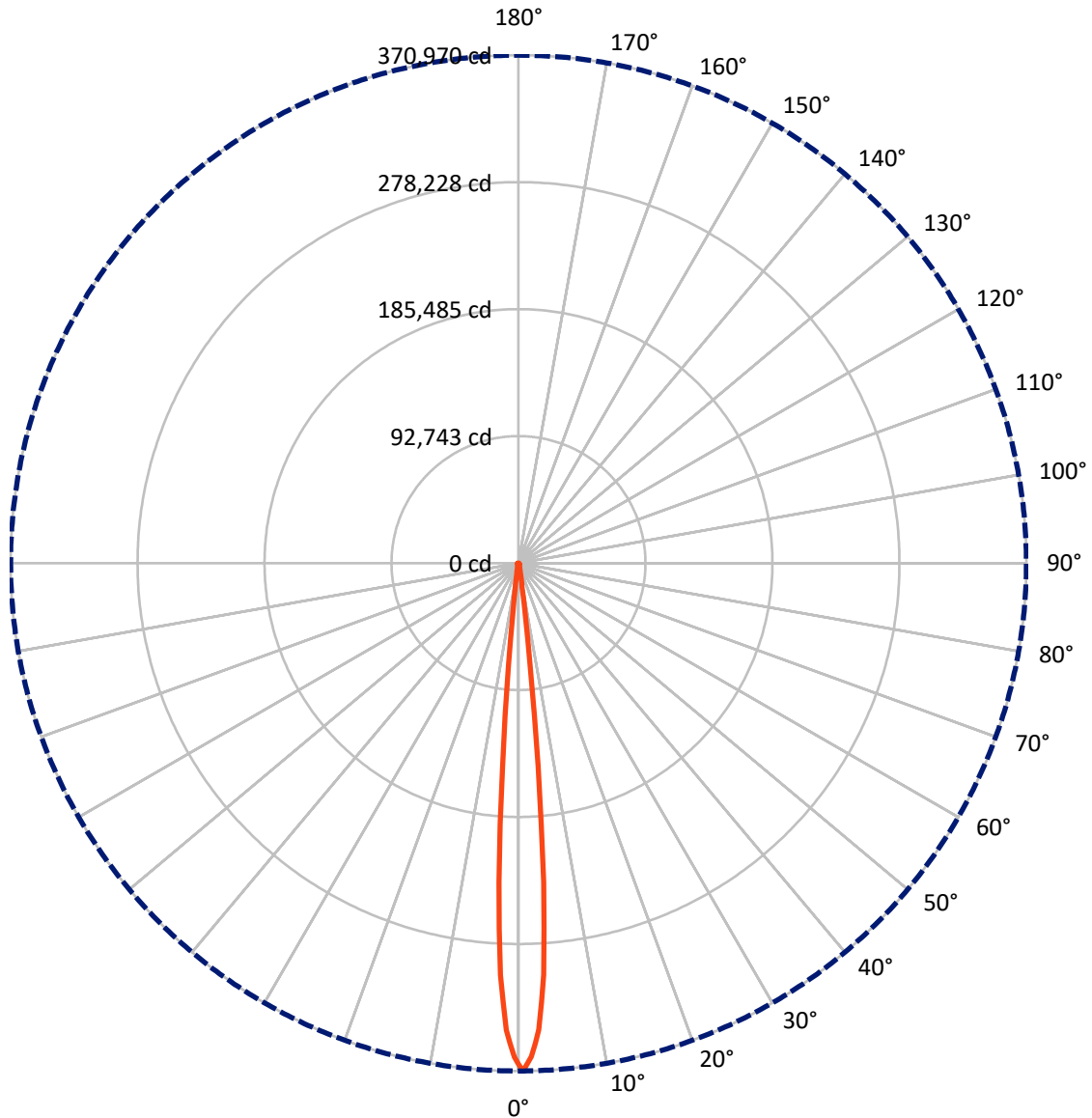
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 927.4 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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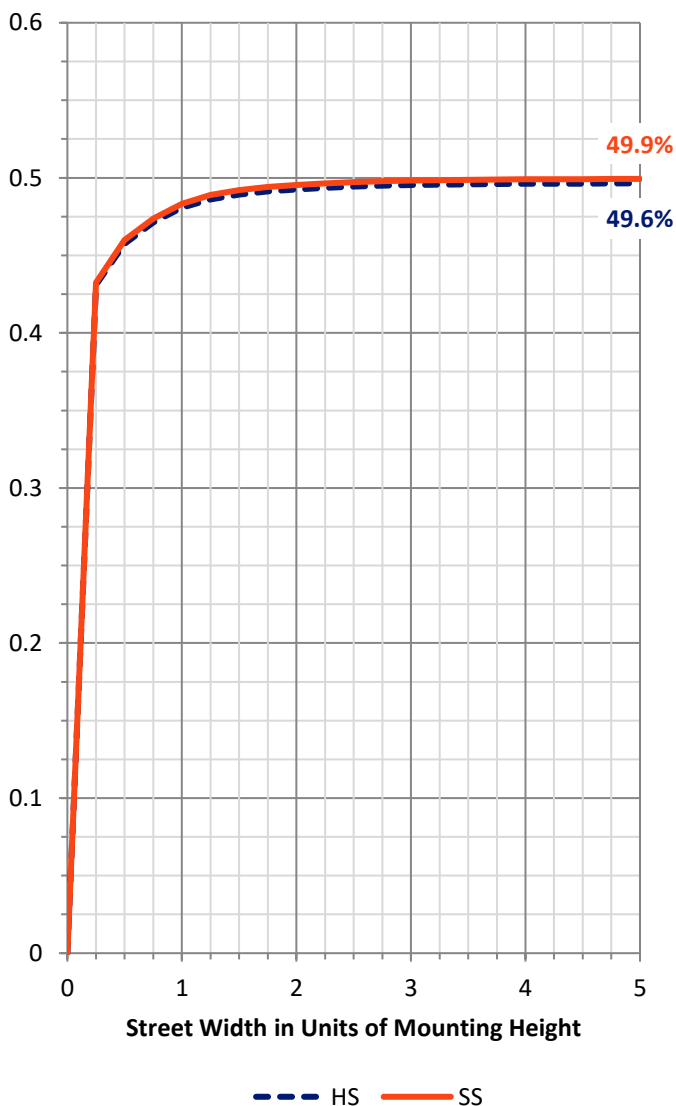
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6222.6	0.0	6222.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6222.6	0.0	6222.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12445.2	0.0	12445.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9557.9	76.8
10°-20°	932.2	7.5
20°-30°	498.0	4.0
30°-40°	410.8	3.3
40°-50°	457.4	3.7
50°-60°	307.6	2.5
60°-70°	196.3	1.6
70°-80°	77.5	0.6
80°-90°	7.6	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°	12445.2	100.0
0°-180°	12445.2	100.0

**Coefficient of Utilization**

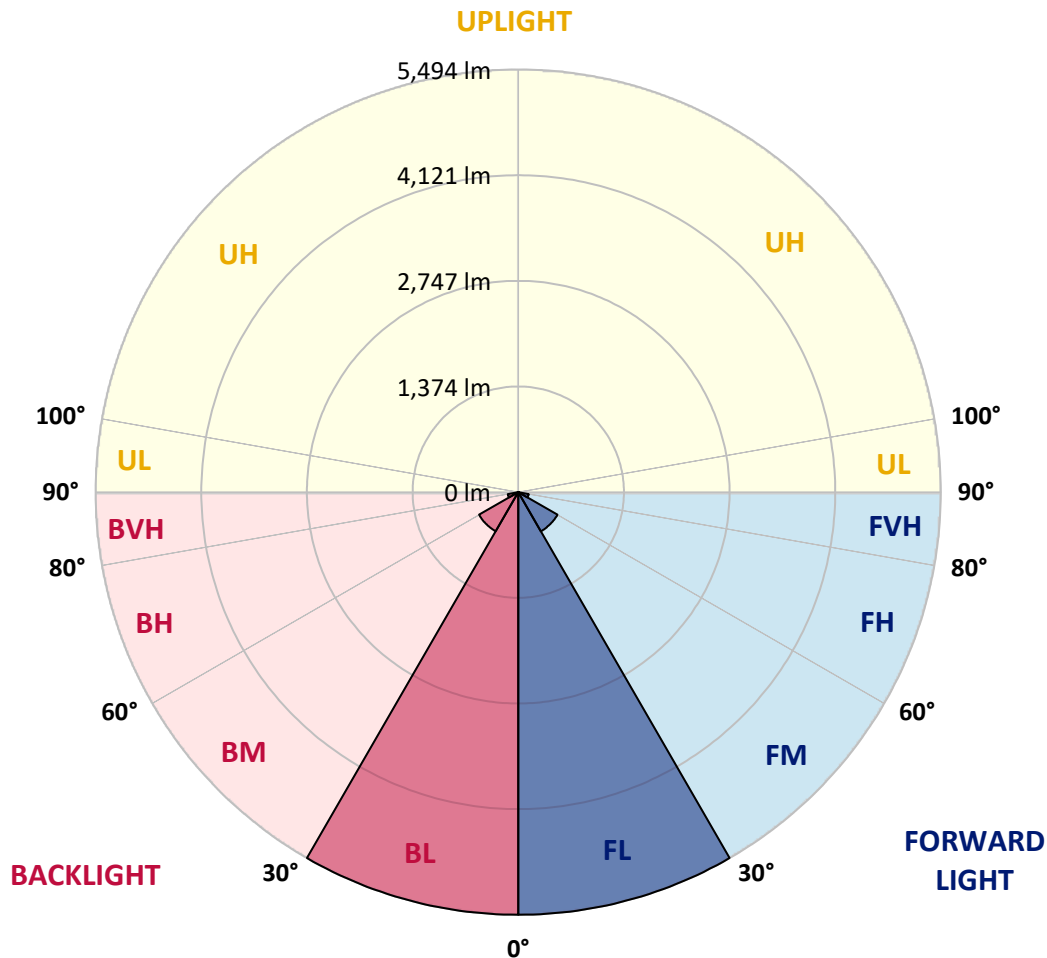


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5494.1	44.1			
FM (30°-60°)	587.9	4.7			
FH (60°-80°)	136.9	1.1			G0/660
FVH (80°-90°)	3.8	0.0			G0/10
BL (0°-30°)	5494.1	44.1	B5		
BM (30°-60°)	587.9	4.7	B1/1000		
BH (60°-80°)	136.9	1.1	B1/500		G0/660
BVH (80°-90°)	3.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	370970.1	370970.1	370970.1	370970.1	370970.1	370970.1	370970.1	370970.1	370970.1	370970.1
1°	360659.8	361287.0	361400.2	360653.4	358749.1	359198.5	359140.3	359240.5	359053.0	357863.2
2°	341132.0	342059.9	341083.5	338988.5	334649.7	333615.1	330158.9	326301.9	322195.9	318080.2
3°	301271.4	303224.1	301830.7	304068.0	295267.5	294378.4	287110.5	277527.6	267815.5	259946.1
4°	233586.8	237194.9	237673.4	245057.8	237828.6	240088.6	231786.0	218472.2	203942.7	192827.4
5°	148893.1	153923.7	156762.4	163687.6	167017.7	175688.8	171644.2	158281.9	141492.5	128705.7
6°	75230.5	77969.0	85595.8	93209.7	101712.7	113219.2	114777.6	103048.0	89685.7	77412.9
7°	35069.2	36200.8	41580.6	43203.7	52925.5	65408.5	67154.3	60723.7	53675.6	44163.9
8°	18121.4	18561.1	20526.8	21732.8	27403.6	34584.3	35809.6	31761.8	28877.9	24092.9
9°	11160.6	11354.6	12091.7	12363.3	14484.2	17678.5	18111.7	16417.6	15635.2	13983.1
10°	7740.0	7843.5	8189.4	8260.5	8968.6	10019.3	10058.1	9502.0	9515.0	9101.1
12.5°	4125.4	4157.7	4254.7	4264.4	4400.2	4510.1	4484.3	4487.5	4542.5	4487.5
15°	2638.2	2654.4	2712.6	2725.5	2796.6	2835.4	2816.0	2812.8	2832.2	2796.6
17.5°	1881.7	1891.4	1933.4	1968.9	2014.2	2027.1	2020.7	2014.2	2014.2	1981.9
20°	1467.8	1480.8	1509.8	1545.4	1568.0	1590.7	1593.9	1590.7	1581.0	1564.8
22.5°	1248.0	1254.4	1264.1	1280.3	1296.5	1306.2	1312.6	1315.9	1312.6	1306.2
25°	1086.3	1092.8	1112.2	1121.9	1121.9	1125.1	1138.0	1144.5	1147.7	1134.8
27.5°	801.8	818.0	847.1	863.2	863.2	869.7	879.4	892.3	905.3	882.6
30°	620.8	633.7	666.0	666.0	662.8	669.2	678.9	698.3	717.7	691.9
32.5°	559.3	559.3	565.8	569.0	569.0	578.7	585.2	601.4	617.5	611.1
35°	585.2	569.0	549.6	549.6	556.1	575.5	578.7	594.9	611.1	633.7
37.5°	850.3	801.8	730.7	717.7	717.7	740.4	730.7	740.4	769.5	853.5
40°	772.7	733.9	691.9	633.7	633.7	666.0	643.4	656.3	724.2	775.9
42.5°	688.6	688.6	643.4	588.4	588.4	604.6	598.1	604.6	682.2	724.2
45°	636.9	636.9	624.0	536.7	549.6	559.3	559.3	559.3	662.8	675.7
47.5°	607.8	607.8	575.5	494.7	510.8	514.1	520.5	514.1	594.9	640.1
50°	543.2	549.6	494.7	436.5	455.9	455.9	465.6	452.6	514.1	588.4
52.5°	468.8	475.3	391.2	345.9	368.6	365.3	378.3	358.9	407.4	510.8
55°	417.1	413.8	323.3	281.3	307.1	303.9	310.4	287.7	329.8	439.7
57.5°	362.1	368.6	265.1	229.5	258.6	252.2	261.9	236.0	271.6	391.2
60°	320.1	329.8	226.3	194.0	223.1	216.6	226.3	197.2	232.8	352.4
62.5°	307.1	307.1	200.5	164.9	194.0	187.5	194.0	164.9	206.9	323.3
65°	365.3	345.9	181.1	135.8	164.9	158.4	164.9	135.8	181.1	310.4
67.5°	485.0	462.3	171.4	106.7	132.6	122.9	132.6	109.9	158.4	291.0
70°	252.2	268.3	171.4	84.1	100.2	100.2	97.0	84.1	132.6	213.4
72.5°	145.5	148.7	132.6	64.7	77.6	84.1	74.4	64.7	97.0	158.4
75°	80.8	90.5	84.1	48.5	58.2	64.7	55.0	48.5	67.9	113.2
77.5°	48.5	55.0	48.5	32.3	38.8	35.6	38.8	32.3	45.3	74.4
80°	25.9	25.9	25.9	19.4	19.4	22.6	22.6	19.4	25.9	38.8
82.5°	9.7	9.7	9.7	6.5	9.7	9.7	9.7	12.9	12.9	16.2
85°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	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

(END C



90°  
370970.1  
359036.8  
320450.0  
262930.3  
195404.1  
130344.9  
78331.1  
45314.9  
24742.8  
14341.9  
9291.9  
4548.9  
2822.5  
1991.6  
1568.0  
1309.4  
1134.8  
879.4  
685.4  
611.1  
646.6  
895.6  
824.4  
727.4  
672.5  
630.5  
582.0  
497.9  
433.2  
381.5  
342.7  
320.1  
310.4  
287.7  
210.2  
155.2  
100.2  
55.0  
32.3  
16.2  
3.2  
3.2  
0.0

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