

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: P525299

Luminaire Tested: **IFLD-M-SA4E-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525299  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (64) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

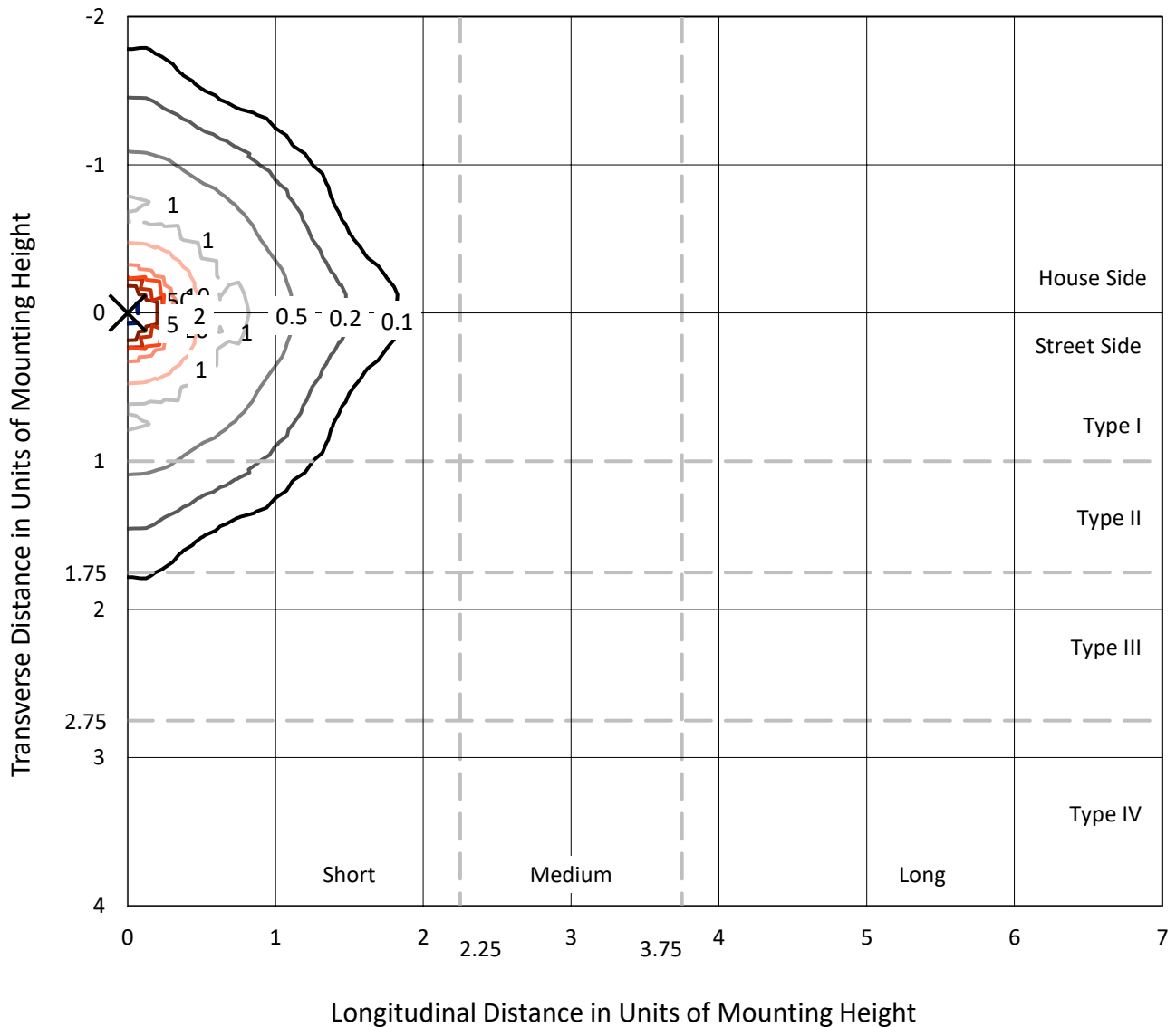
Lumens per Lamp: N/A  
Luminaire Lumens: 13371.4 lumens  
Efficiency: N/A  
Efficacy: 42.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 314.8  
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

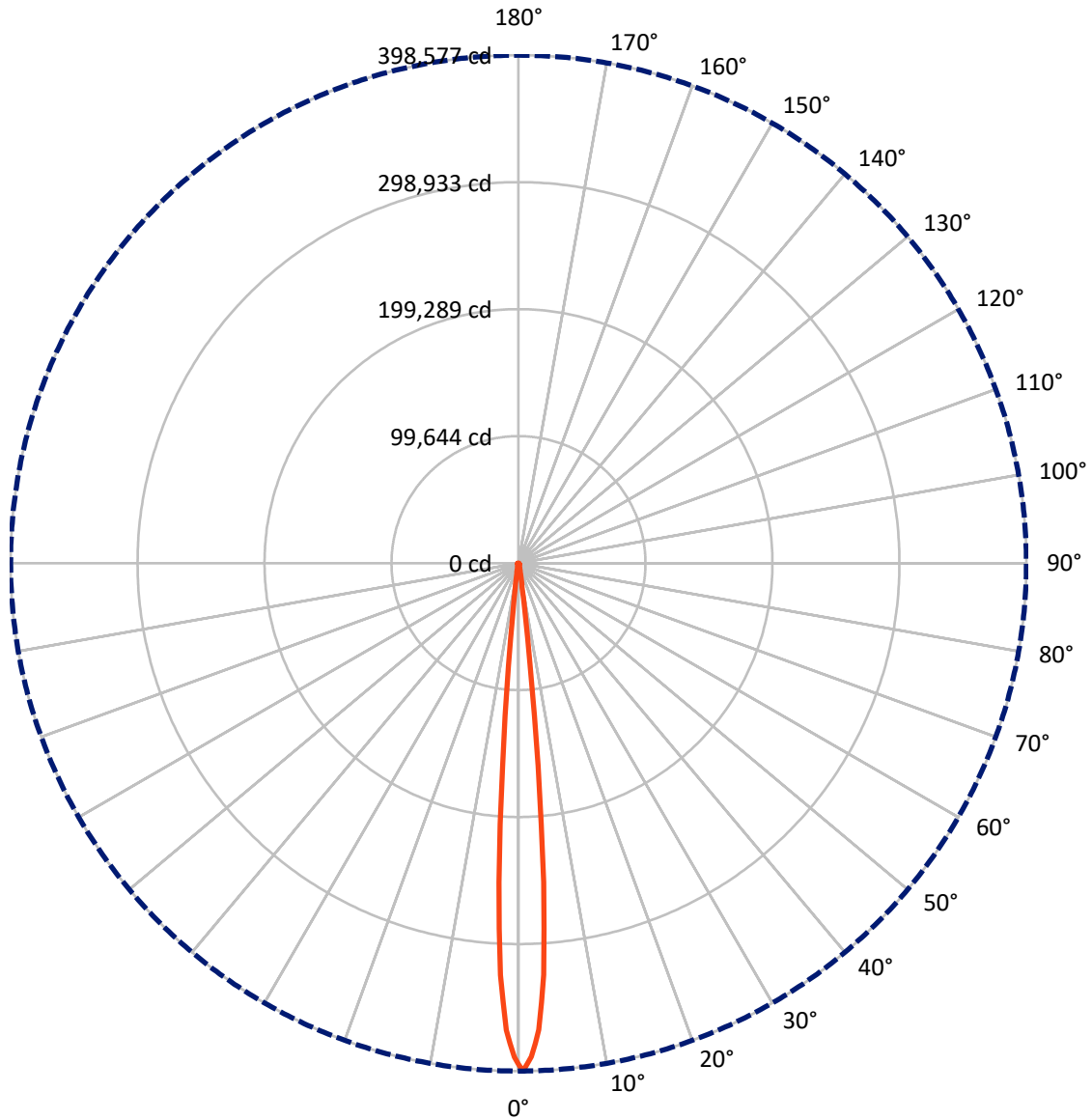
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 996.4 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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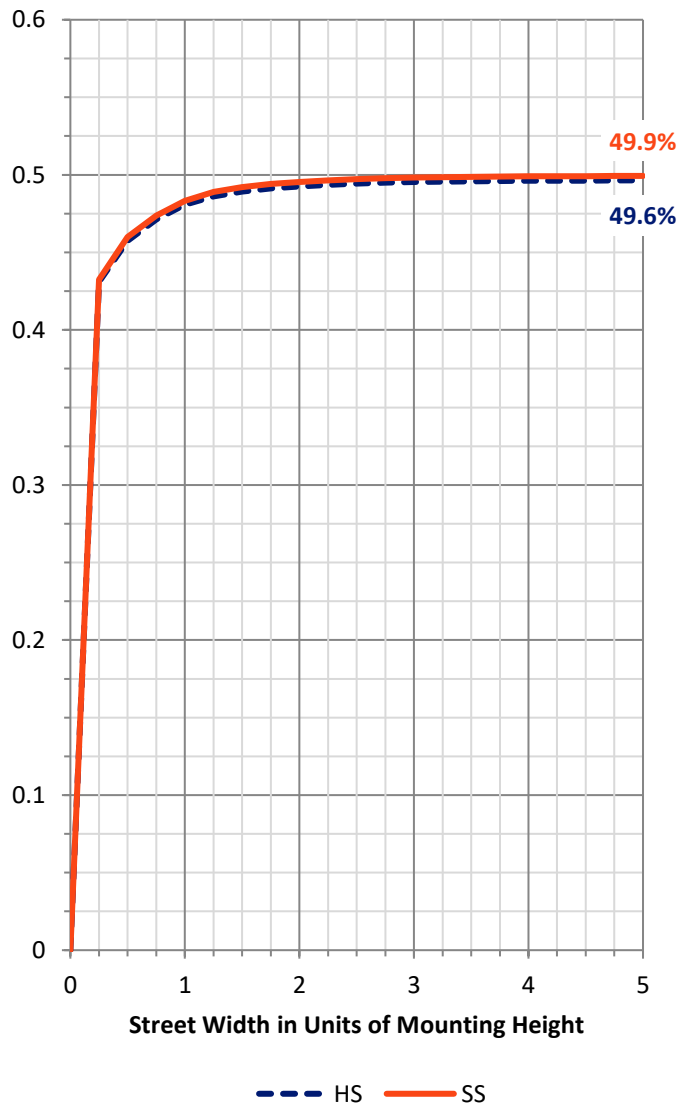
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6685.7	0.0	6685.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6685.7	0.0	6685.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13371.4	0.0	13371.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10269.1	76.8
10°-20°	1001.6	7.5
20°-30°	535.1	4.0
30°-40°	441.3	3.3
40°-50°	491.4	3.7
50°-60°	330.5	2.5
60°-70°	210.9	1.6
70°-80°	83.3	0.6
80°-90°	8.2	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°	13371.4	100.0
0°-180°	13371.4	100.0

**Coefficient of Utilization**



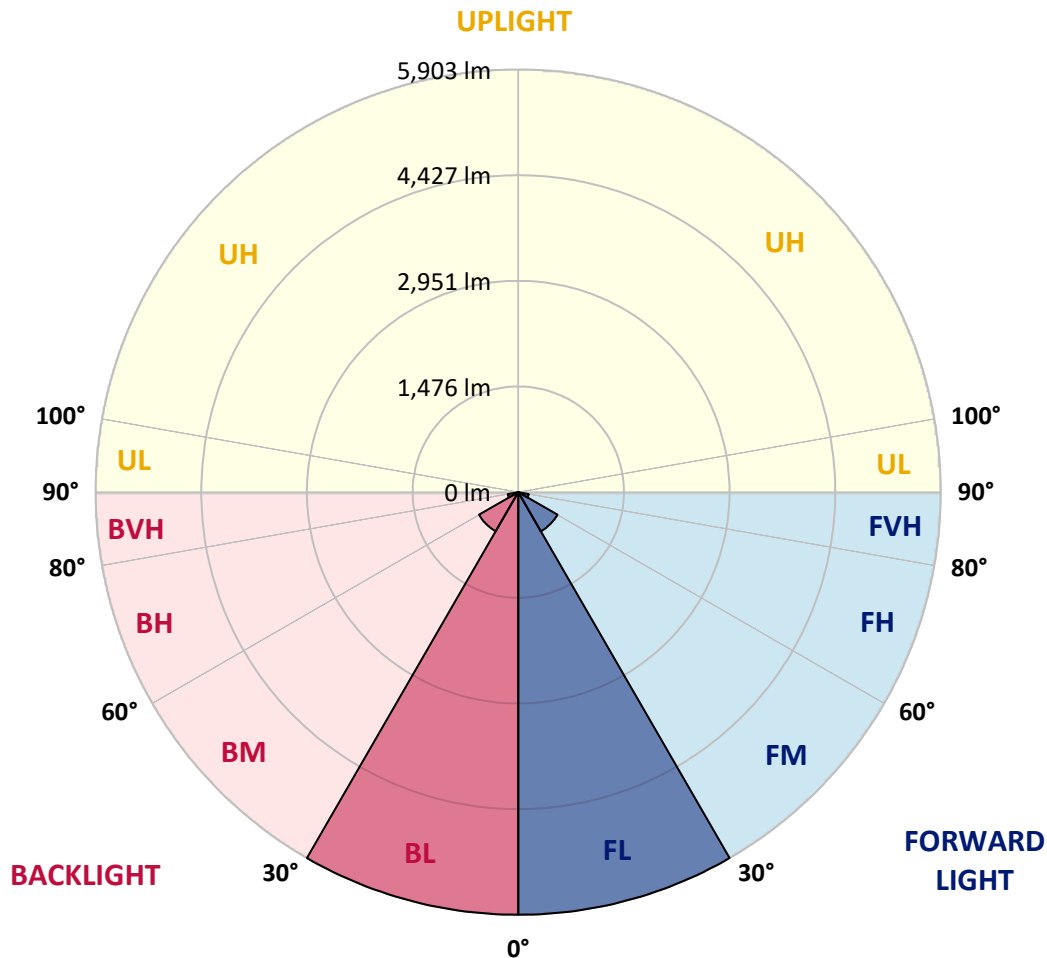
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5902.9	44.1			
FM (30°-60°)	631.6	4.7			
FH (60°-80°)	147.1	1.1			G0/660
FVH (80°-90°)	4.1	0.0			G0/10
BL (0°-30°)	5902.9	44.1	B5		
BM (30°-60°)	631.6	4.7	B1/1000		
BH (60°-80°)	147.1	1.1	B1/500		G0/660
BVH (80°-90°)	4.1	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°	398577.1	398577.1	398577.1	398577.1	398577.1	398577.1	398577.1	398577.1	398577.1	398577.1
1°	387499.6	388173.5	388295.0	387492.6	385446.6	385929.5	385866.9	385974.6	385773.2	384494.8
2°	366518.5	367515.5	366466.4	364215.5	359553.8	358442.2	354728.9	350584.8	346173.2	341751.2
3°	323691.5	325789.6	324292.5	326696.3	317240.9	316285.6	308476.8	298180.8	287745.9	279290.9
4°	250970.0	254846.6	255360.7	263294.6	255527.5	257955.6	249035.2	234730.5	219119.8	207177.3
5°	159973.4	165378.5	168428.4	175869.0	179446.9	188763.3	184417.7	170061.0	152022.2	138283.8
6°	80829.1	83771.3	91965.7	100146.2	109282.0	121644.8	123319.2	110716.6	96359.9	83173.8
7°	37679.0	38894.8	44675.0	46418.8	56864.2	70276.0	72151.8	65242.7	57670.1	47450.5
8°	19470.0	19942.4	22054.4	23350.1	29442.9	37158.0	38474.5	34125.4	31026.9	25885.9
9°	11991.1	12199.6	12991.6	13283.4	15562.1	18994.1	19459.6	17639.4	16798.7	15023.7
10°	8316.0	8427.2	8798.8	8875.3	9636.0	10764.9	10806.6	10209.1	10223.0	9778.4
12.5°	4432.4	4467.2	4571.4	4581.8	4727.7	4845.8	4818.0	4821.5	4880.5	4821.5
15°	2834.5	2851.9	2914.4	2928.3	3004.7	3046.4	3025.6	3022.1	3042.9	3004.7
17.5°	2021.7	2032.1	2077.3	2115.5	2164.1	2178.0	2171.1	2164.1	2164.1	2129.4
20°	1577.1	1590.9	1622.2	1660.4	1684.7	1709.1	1712.5	1709.1	1698.6	1681.3
22.5°	1340.8	1347.8	1358.2	1375.6	1392.9	1403.4	1410.3	1413.8	1410.3	1403.4
25°	1167.2	1174.1	1194.9	1205.4	1205.4	1208.8	1222.7	1229.7	1233.2	1219.3
27.5°	861.5	878.8	910.1	927.5	927.5	934.4	944.8	958.7	972.6	948.3
30°	666.9	680.8	715.6	715.6	712.1	719.1	729.5	750.3	771.2	743.4
32.5°	600.9	600.9	607.9	611.4	611.4	621.8	628.7	646.1	663.5	656.5
35°	628.7	611.4	590.5	590.5	597.5	618.3	621.8	639.2	656.5	680.8
37.5°	913.6	861.5	785.1	771.2	771.2	795.5	785.1	795.5	826.7	917.1
40°	830.2	788.5	743.4	680.8	680.8	715.6	691.3	705.2	778.1	833.7
42.5°	739.9	739.9	691.3	632.2	632.2	649.6	642.6	649.6	732.9	778.1
45°	684.3	684.3	670.4	576.6	590.5	600.9	600.9	600.9	712.1	726.0
47.5°	653.1	653.1	618.3	531.5	548.8	552.3	559.3	552.3	639.2	687.8
50°	583.6	590.5	531.5	468.9	489.8	489.8	500.2	486.3	552.3	632.2
52.5°	503.7	510.6	420.3	371.7	396.0	392.5	406.4	385.6	437.7	548.8
55°	448.1	444.6	347.4	302.2	330.0	326.5	333.5	309.2	354.3	472.4
57.5°	389.1	396.0	284.8	246.6	277.9	270.9	281.4	253.6	291.8	420.3
60°	343.9	354.3	243.2	208.4	239.7	232.7	243.2	211.9	250.1	378.6
62.5°	330.0	330.0	215.4	177.2	208.4	201.5	208.4	177.2	222.3	347.4
65°	392.5	371.7	194.5	145.9	177.2	170.2	177.2	145.9	194.5	333.5
67.5°	521.1	496.7	184.1	114.6	142.4	132.0	142.4	118.1	170.2	312.6
70°	270.9	288.3	184.1	90.3	107.7	107.7	104.2	90.3	142.4	229.3
72.5°	156.3	159.8	142.4	69.5	83.4	90.3	79.9	69.5	104.2	170.2
75°	86.8	97.3	90.3	52.1	62.5	69.5	59.1	52.1	72.9	121.6
77.5°	52.1	59.1	52.1	34.7	41.7	38.2	41.7	34.7	48.6	79.9
80°	27.8	27.8	27.8	20.8	20.8	24.3	24.3	20.8	27.8	41.7
82.5°	10.4	10.4	10.4	6.9	10.4	10.4	10.4	13.9	13.9	17.4
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
398577.1  
385755.8  
344297.4  
282497.1  
209945.8  
140044.9  
84160.4  
48687.1  
26584.1  
15409.3  
9983.4  
4887.5  
3032.5  
2139.8  
1684.7  
1406.8  
1219.3  
944.8  
736.4  
656.5  
694.7  
962.2  
885.8  
781.6  
722.5  
677.4  
625.3  
534.9  
465.5  
409.9  
368.2  
343.9  
333.5  
309.2  
225.8  
166.7  
107.7  
59.1  
34.7  
17.4  
3.5  
3.5  
0.0

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