

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: P525256

Luminaire Tested: **IFLD-M-SA4A-927-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525256  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (64) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

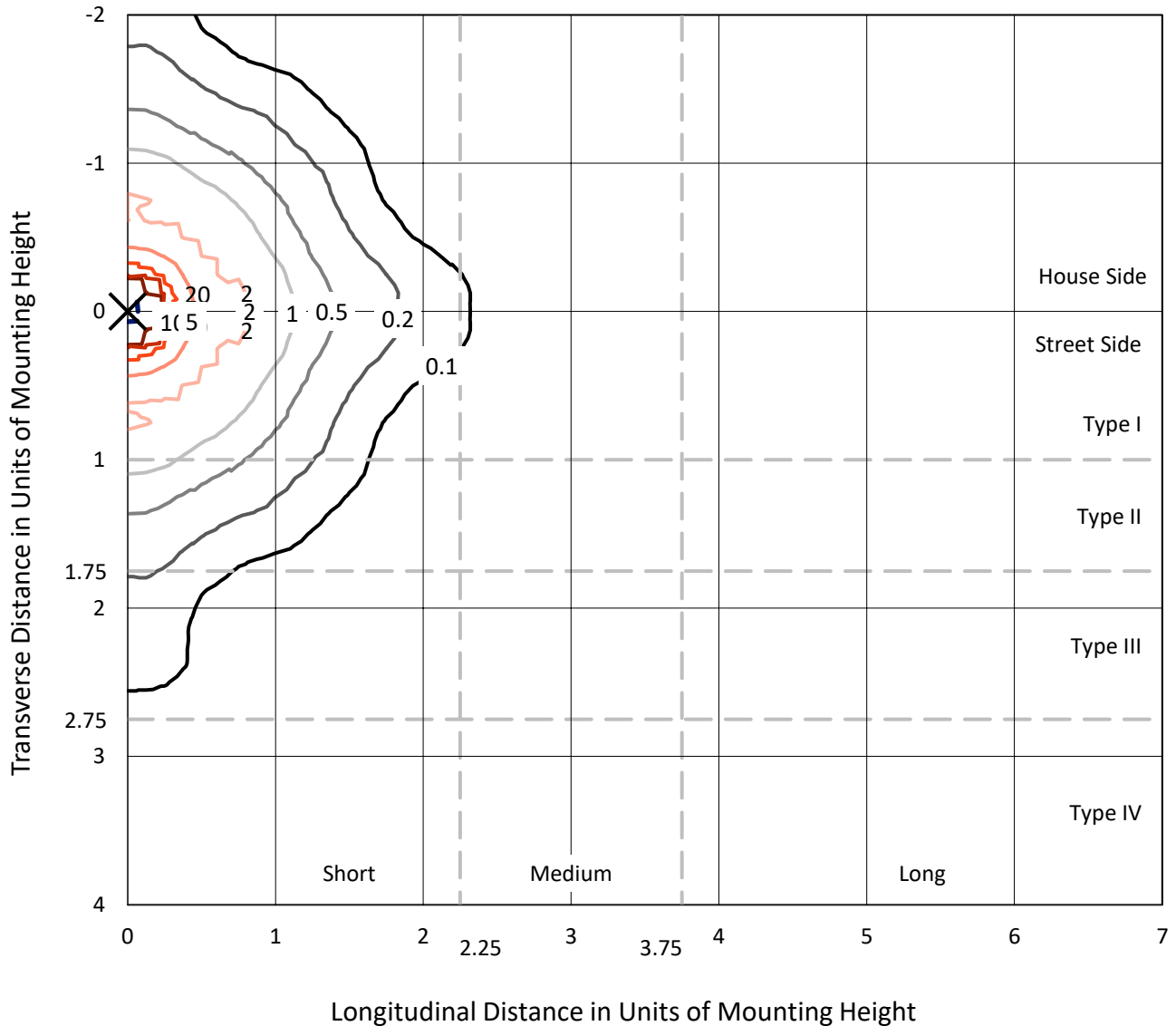
Lumens per Lamp: N/A  
Luminaire Lumens: 6746.6 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 128.6  
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

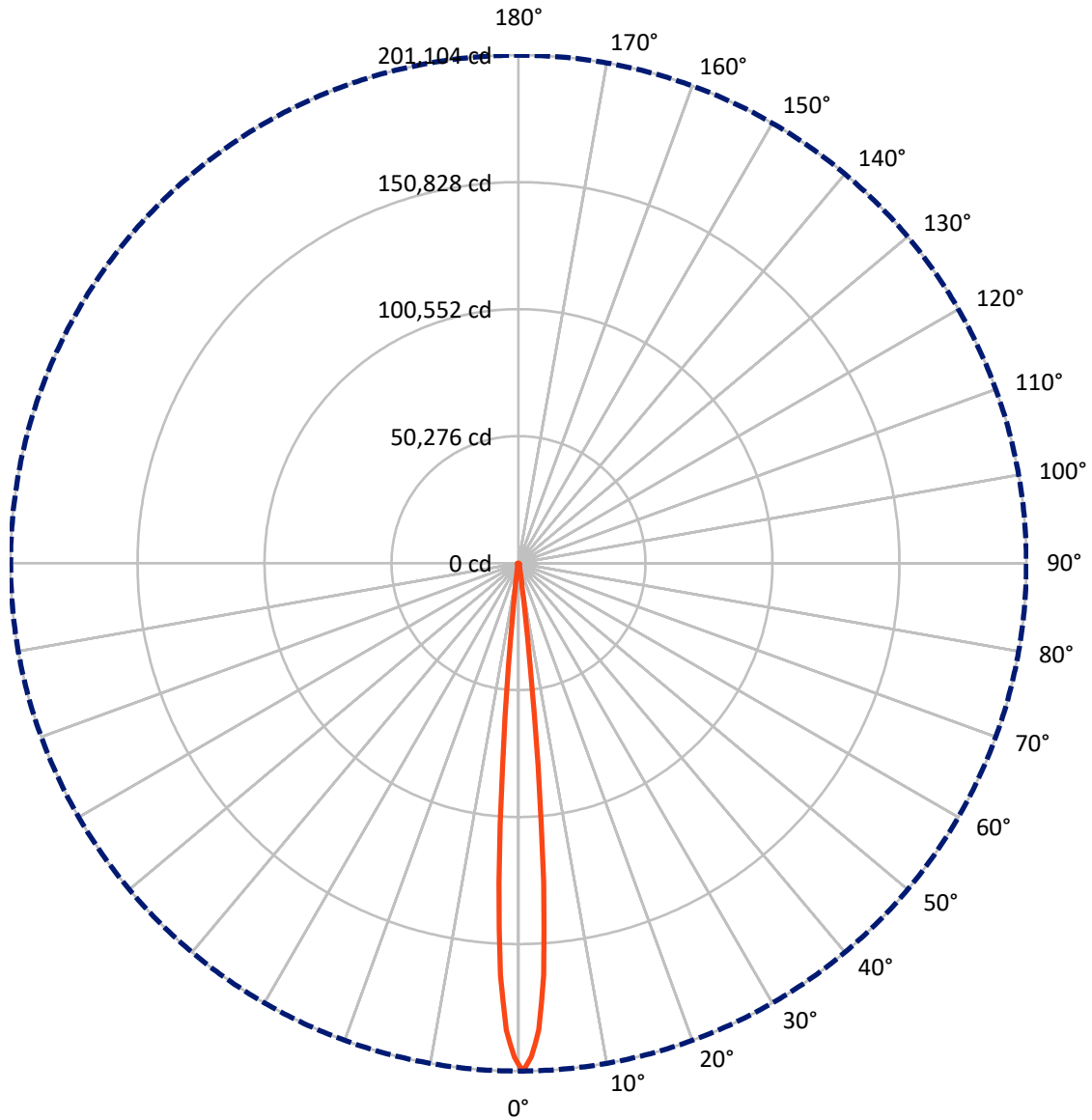
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2011 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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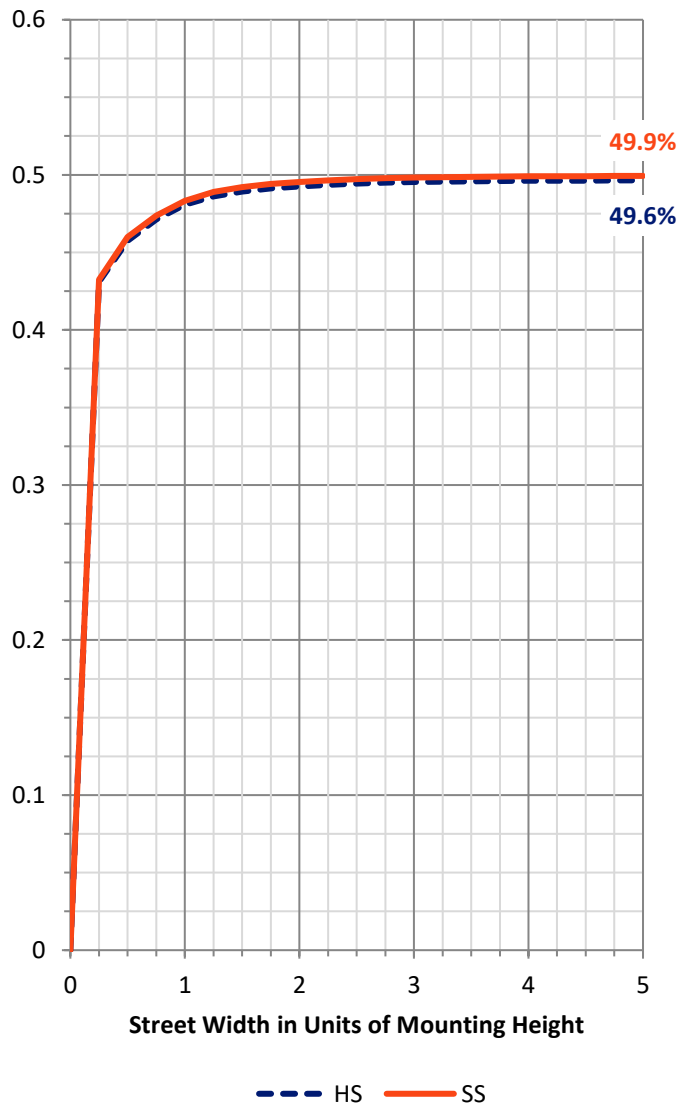
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3373.3	0.0	3373.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3373.3	0.0	3373.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6746.6	0.0	6746.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5181.3	76.8
10°-20°	505.4	7.5
20°-30°	270.0	4.0
30°-40°	222.7	3.3
40°-50°	247.9	3.7
50°-60°	166.7	2.5
60°-70°	106.4	1.6
70°-80°	42.0	0.6
80°-90°	4.1	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°	6746.6	100.0
0°-180°	6746.6	100.0

**Coefficient of Utilization**

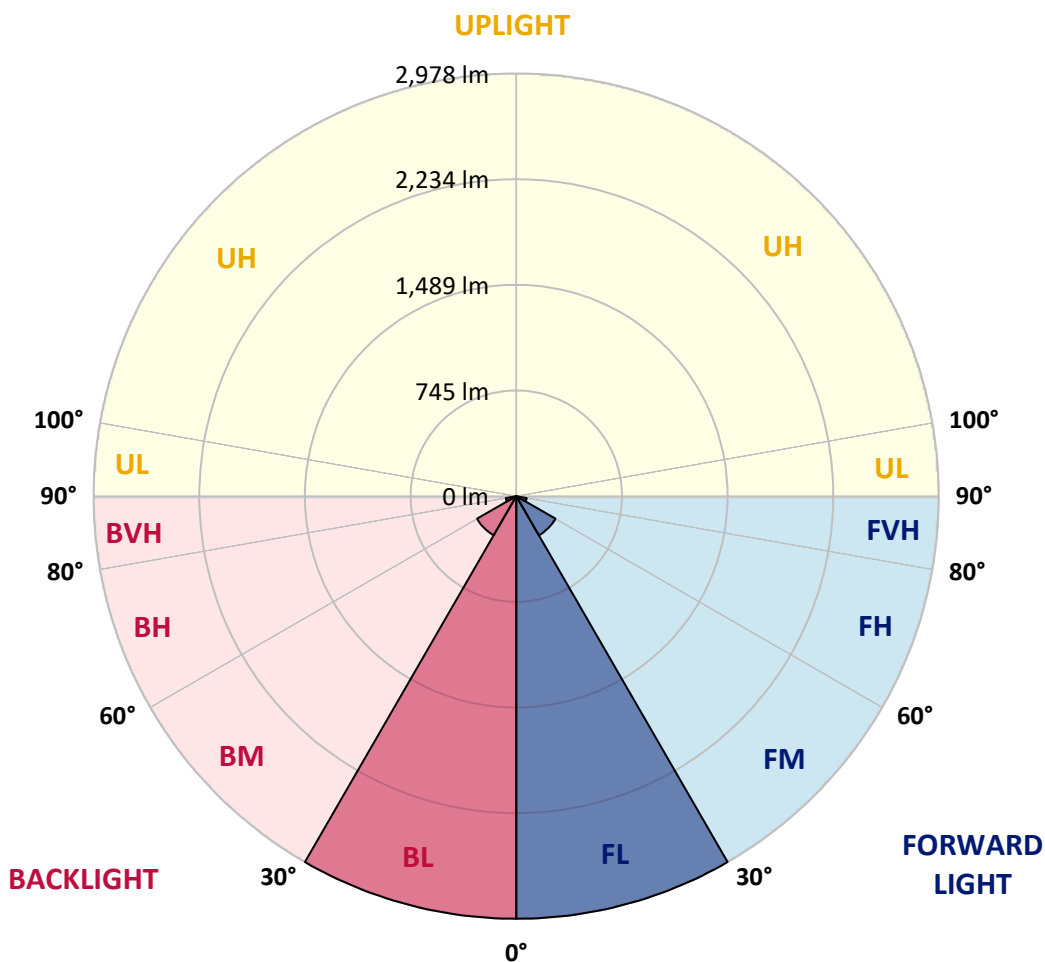


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2978.4	44.1			
FM (30°-60°)	318.7	4.7			
FH (60°-80°)	74.2	1.1			G0/660
FVH (80°-90°)	2.1	0.0			G0/10
BL (0°-30°)	2978.4	44.1	B4/5000		
BM (30°-60°)	318.7	4.7	B1/1000		
BH (60°-80°)	74.2	1.1	B0/110		G0/660
BVH (80°-90°)	2.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	201104.0	201104.0	201104.0	201104.0	201104.0	201104.0	201104.0	201104.0	201104.0	201104.0
1°	195514.8	195854.8	195916.1	195511.3	194479.0	194722.6	194691.0	194745.4	194643.7	193998.7
2°	184928.7	185431.7	184902.4	183766.7	181414.6	180853.8	178980.2	176889.2	174663.4	172432.2
3°	163320.1	164378.7	163623.3	164836.2	160065.4	159583.4	155643.5	150448.6	145183.6	140917.6
4°	126628.1	128584.1	128843.5	132846.6	128927.6	130152.7	125651.9	118434.4	110558.0	104532.3
5°	80715.4	83442.5	84981.4	88735.6	90540.8	95241.4	93048.9	85805.1	76703.5	69771.8
6°	40782.7	42267.2	46401.7	50529.3	55138.8	61376.5	62221.3	55862.6	48618.9	41965.8
7°	19011.1	19624.6	22541.0	23420.8	28691.1	35458.1	36404.6	32918.5	29097.7	23941.4
8°	9823.7	10062.0	11127.7	11781.4	14855.6	18748.2	19412.5	17218.2	15654.8	13060.8
9°	6050.2	6155.4	6555.0	6702.2	7851.9	9583.6	9818.4	8900.0	8475.9	7580.3
10°	4195.9	4252.0	4439.5	4478.1	4861.9	5431.5	5452.5	5151.1	5158.1	4933.7
12.5°	2236.4	2253.9	2306.5	2311.8	2385.4	2445.0	2430.9	2432.7	2462.5	2432.7
15°	1430.2	1438.9	1470.5	1477.5	1516.1	1537.1	1526.6	1524.8	1535.3	1516.1
17.5°	1020.0	1025.3	1048.1	1067.4	1091.9	1098.9	1095.4	1091.9	1091.9	1074.4
20°	795.7	802.7	818.5	837.8	850.0	862.3	864.1	862.3	857.1	848.3
22.5°	676.5	680.0	685.3	694.1	702.8	708.1	711.6	713.3	711.6	708.1
25°	588.9	592.4	602.9	608.2	608.2	609.9	616.9	620.4	622.2	615.2
27.5°	434.7	443.4	459.2	468.0	468.0	471.5	476.7	483.7	490.7	478.5
30°	336.5	343.5	361.0	361.0	359.3	362.8	368.1	378.6	389.1	375.1
32.5°	303.2	303.2	306.7	308.5	308.5	313.7	317.2	326.0	334.8	331.3
35°	317.2	308.5	298.0	298.0	301.5	312.0	313.7	322.5	331.3	343.5
37.5°	461.0	434.7	396.1	389.1	389.1	401.4	396.1	401.4	417.1	462.7
40°	418.9	397.9	375.1	343.5	343.5	361.0	348.8	355.8	392.6	420.6
42.5°	373.3	373.3	348.8	319.0	319.0	327.7	324.2	327.7	369.8	392.6
45°	345.3	345.3	338.3	290.9	298.0	303.2	303.2	303.2	359.3	366.3
47.5°	329.5	329.5	312.0	268.2	276.9	278.7	282.2	278.7	322.5	347.0
50°	294.4	298.0	268.2	236.6	247.1	247.1	252.4	245.4	278.7	319.0
52.5°	254.1	257.6	212.1	187.5	199.8	198.1	205.1	194.5	220.8	276.9
55°	226.1	224.3	175.3	152.5	166.5	164.8	168.3	156.0	178.8	238.4
57.5°	196.3	199.8	143.7	124.4	140.2	136.7	142.0	127.9	147.2	212.1
60°	173.5	178.8	122.7	105.2	120.9	117.4	122.7	106.9	126.2	191.0
62.5°	166.5	166.5	108.7	89.4	105.2	101.7	105.2	89.4	112.2	175.3
65°	198.1	187.5	98.1	73.6	89.4	85.9	89.4	73.6	98.1	168.3
67.5°	262.9	250.6	92.9	57.8	71.9	66.6	71.9	59.6	85.9	157.7
70°	136.7	145.5	92.9	45.6	54.3	54.3	52.6	45.6	71.9	115.7
72.5°	78.9	80.6	71.9	35.1	42.1	45.6	40.3	35.1	52.6	85.9
75°	43.8	49.1	45.6	26.3	31.5	35.1	29.8	26.3	36.8	61.3
77.5°	26.3	29.8	26.3	17.5	21.0	19.3	21.0	17.5	24.5	40.3
80°	14.0	14.0	14.0	10.5	10.5	12.3	12.3	10.5	14.0	21.0
82.5°	5.3	5.3	5.3	3.5	5.3	5.3	5.3	7.0	7.0	8.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
201104.0  
194635.0  
173716.9  
142535.3  
105929.2  
70660.4  
42463.5  
24565.3  
13413.1  
7774.8  
5037.2  
2466.0  
1530.1  
1079.6  
850.0  
709.8  
615.2  
476.7  
371.6  
331.3  
350.5  
485.5  
446.9  
394.3  
364.6  
341.8  
315.5  
269.9  
234.9  
206.8  
185.8  
173.5  
168.3  
156.0  
113.9  
84.1  
54.3  
29.8  
17.5  
8.8  
1.8  
1.8  
0.0

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