

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: P525296

Luminaire Tested: **IFLD-M-SA4B-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525296  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-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**

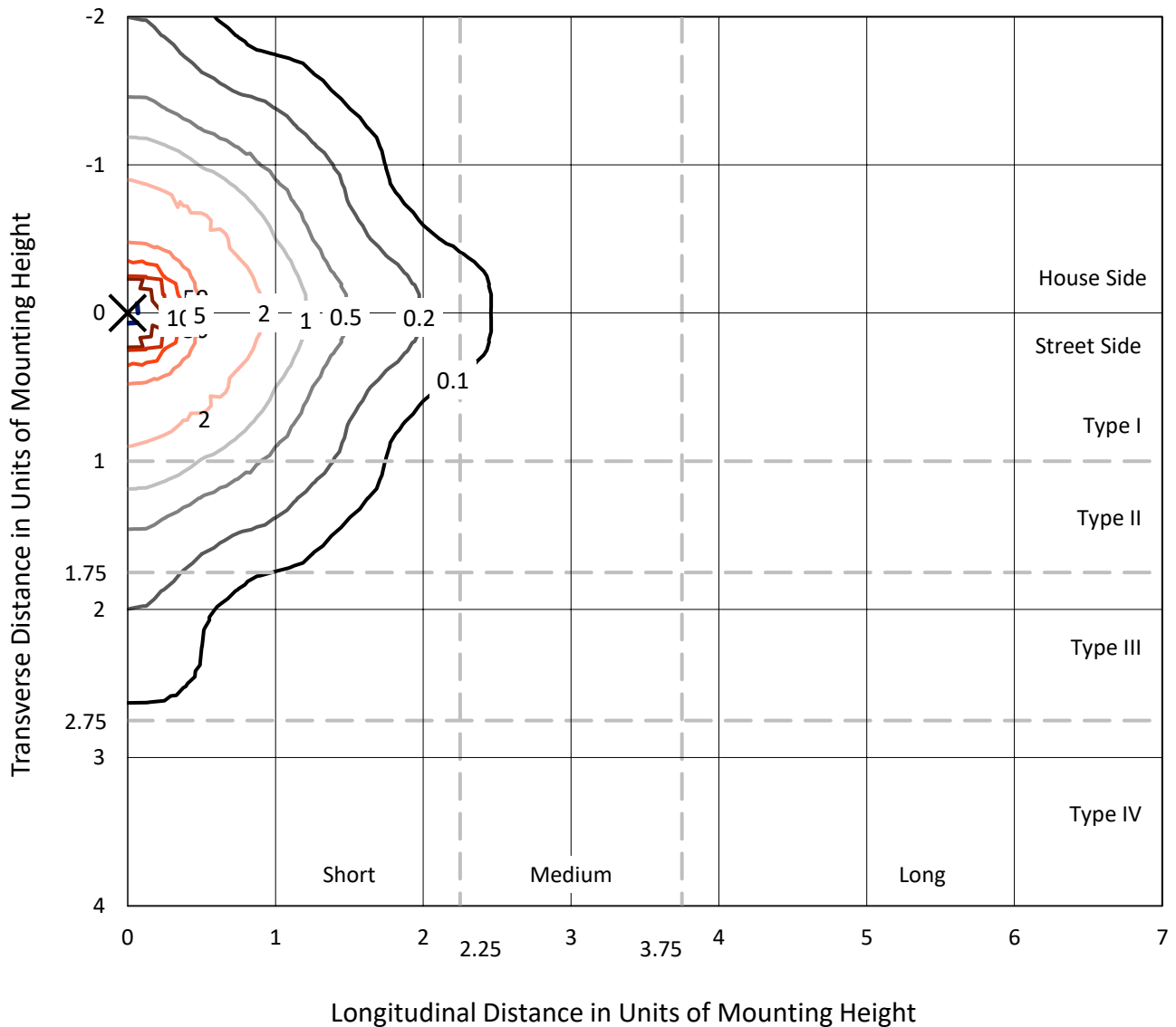
Lumens per Lamp: N/A  
Luminaire Lumens: 8435.2 lumens  
Efficiency: N/A  
Efficacy: 50.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 166.1  
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

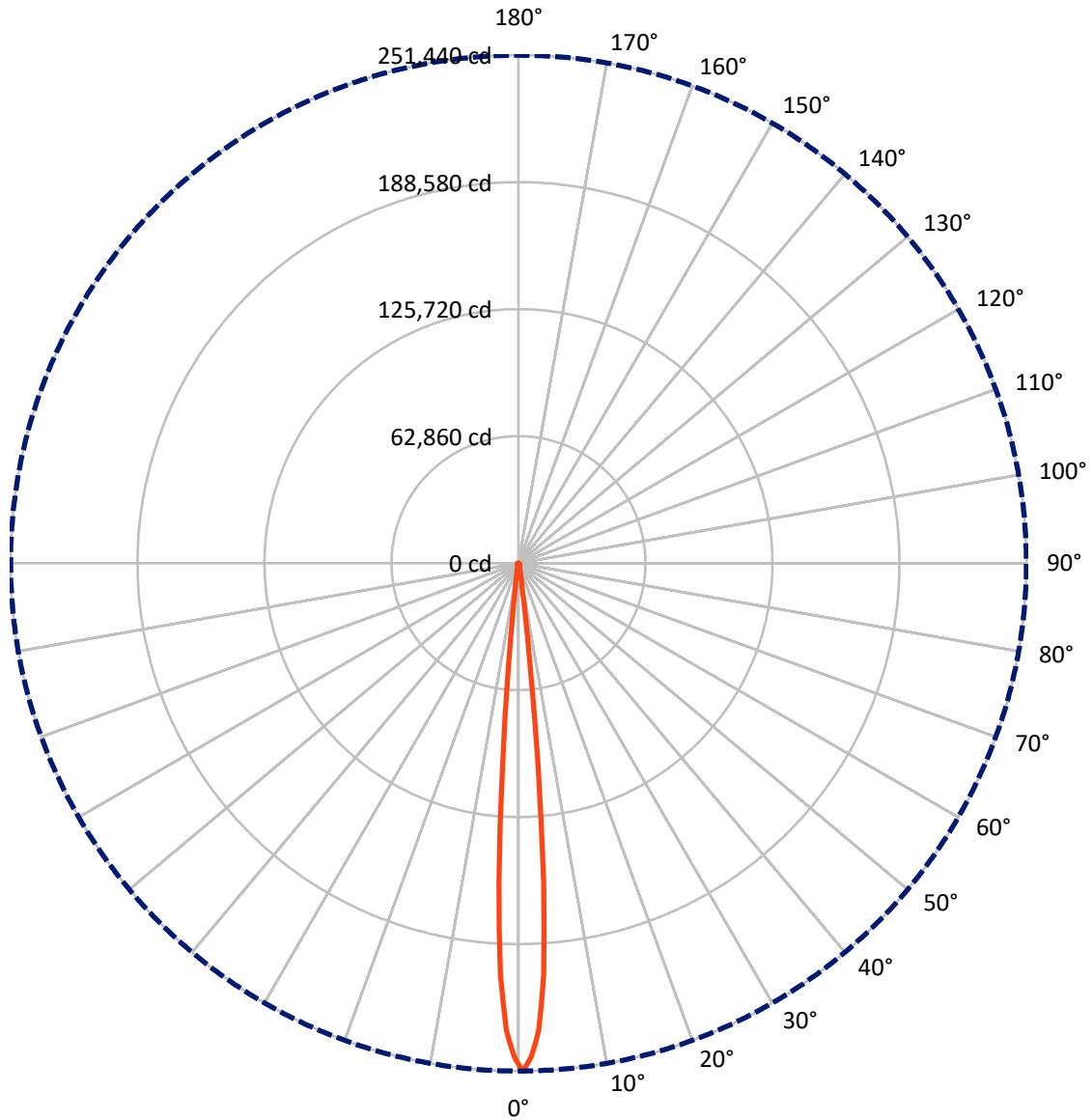
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2514.4 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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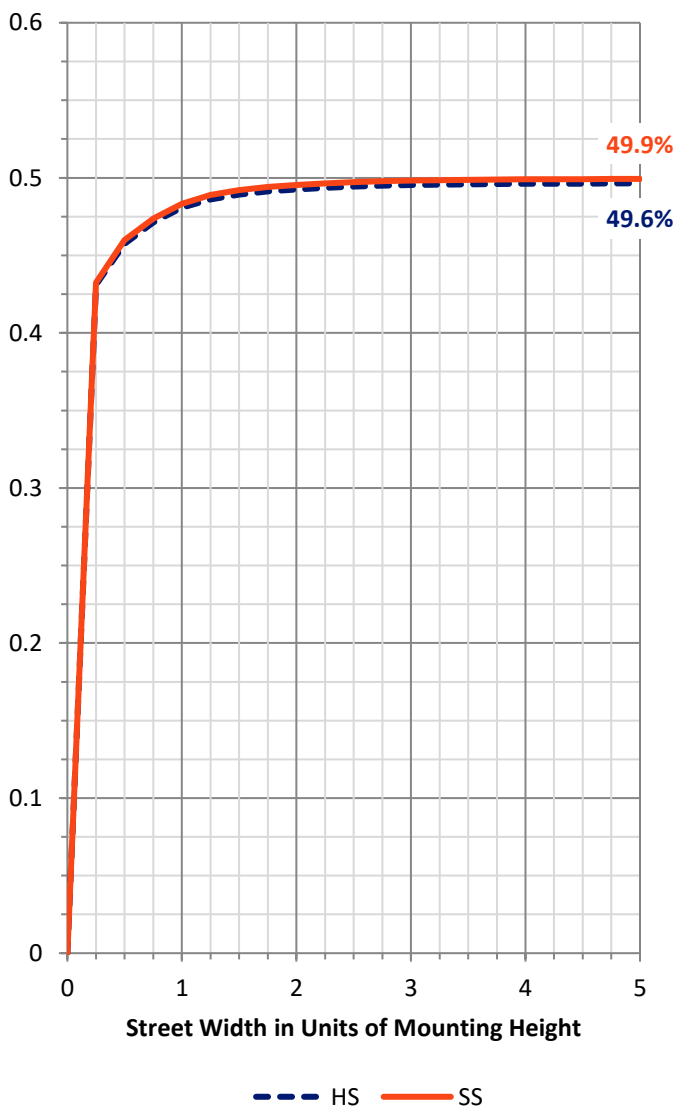
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4217.6	0.0	4217.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4217.6	0.0	4217.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8435.2	0.0	8435.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6478.2	76.8
10°-20°	631.9	7.5
20°-30°	337.6	4.0
30°-40°	278.4	3.3
40°-50°	310.0	3.7
50°-60°	208.5	2.5
60°-70°	133.0	1.6
70°-80°	52.5	0.6
80°-90°	5.1	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°	8435.2	100.0
0°-180°	8435.2	100.0

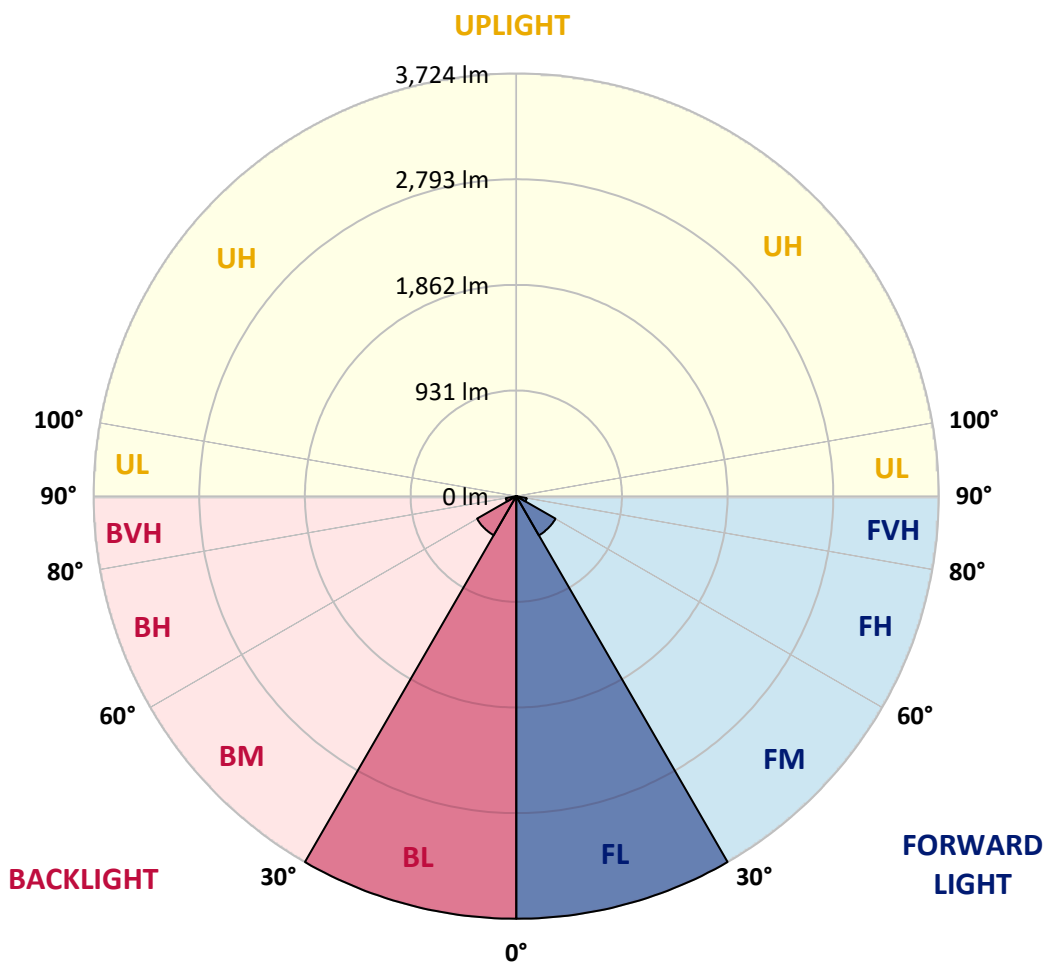


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3723.8	44.1			
FM (30°-60°)	398.4	4.7			
FH (60°-80°)	92.8	1.1			G0/660
FVH (80°-90°)	2.6	0.0			G0/10
BL (0°-30°)	3723.8	44.1	B4/5000		
BM (30°-60°)	398.4	4.7	B1/1000		
BH (60°-80°)	92.8	1.1	B0/110		G0/660
BVH (80°-90°)	2.6	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°	251440.0	251440.0	251440.0	251440.0	251440.0	251440.0	251440.0	251440.0	251440.0	251440.0
1°	244451.7	244876.9	244953.6	244447.4	243156.7	243461.2	243421.8	243489.7	243362.6	242556.2
2°	231216.0	231844.9	231183.1	229763.1	226822.3	226121.1	223778.5	221164.3	218381.2	215591.7
3°	204198.8	205522.4	204577.9	206094.3	200129.5	199526.9	194600.7	188105.5	181522.7	176189.0
4°	158322.9	160768.4	161092.8	166097.8	161197.9	162729.7	157102.3	148078.3	138230.4	130696.5
5°	100918.3	104328.0	106252.0	110945.9	113203.0	119080.2	116338.8	107282.0	95902.3	87235.5
6°	50990.5	52846.6	58016.0	63176.6	68939.9	76738.9	77795.1	69844.9	60788.1	52469.7
7°	23769.6	24536.6	28183.0	29283.0	35872.4	44333.2	45516.5	41157.9	36380.8	29933.9
8°	12282.5	12580.5	13912.9	14730.3	18573.9	23440.9	24271.4	21527.8	19573.1	16329.9
9°	7564.5	7696.0	8195.7	8379.7	9817.3	11982.3	12275.9	11127.7	10597.4	9477.6
10°	5246.1	5316.2	5550.7	5598.9	6078.8	6791.0	6817.3	6440.4	6449.1	6168.7
12.5°	2796.2	2818.1	2883.8	2890.4	2982.4	3056.9	3039.4	3041.6	3078.8	3041.6
15°	1788.1	1799.1	1838.5	1847.3	1895.5	1921.8	1908.7	1906.5	1919.6	1895.5
17.5°	1275.4	1281.9	1310.4	1334.5	1365.2	1374.0	1369.6	1365.2	1365.2	1343.3
20°	994.9	1003.6	1023.4	1047.5	1062.8	1078.1	1080.3	1078.1	1071.6	1060.6
22.5°	845.9	850.2	856.8	867.8	878.7	885.3	889.7	891.9	889.7	885.3
25°	736.3	740.7	753.8	760.4	760.4	762.6	771.4	775.7	777.9	769.2
27.5°	543.5	554.4	574.1	585.1	585.1	589.5	596.0	604.8	613.6	598.2
30°	420.7	429.5	451.4	451.4	449.2	453.6	460.2	473.3	486.5	468.9
32.5°	379.1	379.1	383.5	385.7	385.7	392.3	396.6	407.6	418.5	414.2
35°	396.6	385.7	372.5	372.5	376.9	390.1	392.3	403.2	414.2	429.5
37.5°	576.3	543.5	495.2	486.5	486.5	501.8	495.2	501.8	521.5	578.5
40°	523.7	497.4	468.9	429.5	429.5	451.4	436.1	444.8	490.9	525.9
42.5°	466.8	466.8	436.1	398.8	398.8	409.8	405.4	409.8	462.4	490.9
45°	431.7	431.7	422.9	363.8	372.5	379.1	379.1	379.1	449.2	458.0
47.5°	412.0	412.0	390.1	335.3	346.2	348.4	352.8	348.4	403.2	433.9
50°	368.1	372.5	335.3	295.8	309.0	309.0	315.6	306.8	348.4	398.8
52.5°	317.7	322.1	265.2	234.5	249.8	247.6	256.4	243.2	276.1	346.2
55°	282.7	280.5	219.1	190.6	208.2	206.0	210.4	195.0	223.5	298.0
57.5°	245.4	249.8	179.7	155.6	175.3	170.9	177.5	160.0	184.1	265.2
60°	216.9	223.5	153.4	131.5	151.2	146.8	153.4	133.7	157.8	238.9
62.5°	208.2	208.2	135.9	111.8	131.5	127.1	131.5	111.8	140.2	219.1
65°	247.6	234.5	122.7	92.0	111.8	107.4	111.8	92.0	122.7	210.4
67.5°	328.7	313.4	116.1	72.3	89.8	83.3	89.8	74.5	107.4	197.2
70°	170.9	181.9	116.1	57.0	67.9	67.9	65.7	57.0	89.8	144.6
72.5°	98.6	100.8	89.8	43.8	52.6	57.0	50.4	43.8	65.7	107.4
75°	54.8	61.4	57.0	32.9	39.4	43.8	37.3	32.9	46.0	76.7
77.5°	32.9	37.3	32.9	21.9	26.3	24.1	26.3	21.9	30.7	50.4
80°	17.5	17.5	17.5	13.1	13.1	15.3	15.3	13.1	17.5	26.3
82.5°	6.6	6.6	6.6	4.4	6.6	6.6	6.6	8.8	8.8	11.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
251440.0  
243351.7  
217197.9  
178211.6  
132443.0  
88346.5  
53092.0  
30714.0  
16770.4  
9720.8  
6297.9  
3083.2  
1913.0  
1349.9  
1062.8  
887.5  
769.2  
596.0  
464.6  
414.2  
438.3  
607.0  
558.8  
493.1  
455.8  
427.3  
394.4  
337.5  
293.6  
258.6  
232.3  
216.9  
210.4  
195.0  
142.4  
105.2  
67.9  
37.3  
21.9  
11.0  
2.2  
2.2  
0.0

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