

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: P525413

Luminaire Tested: **IFLD-M-SA4B-950-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525413  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-950-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (64) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

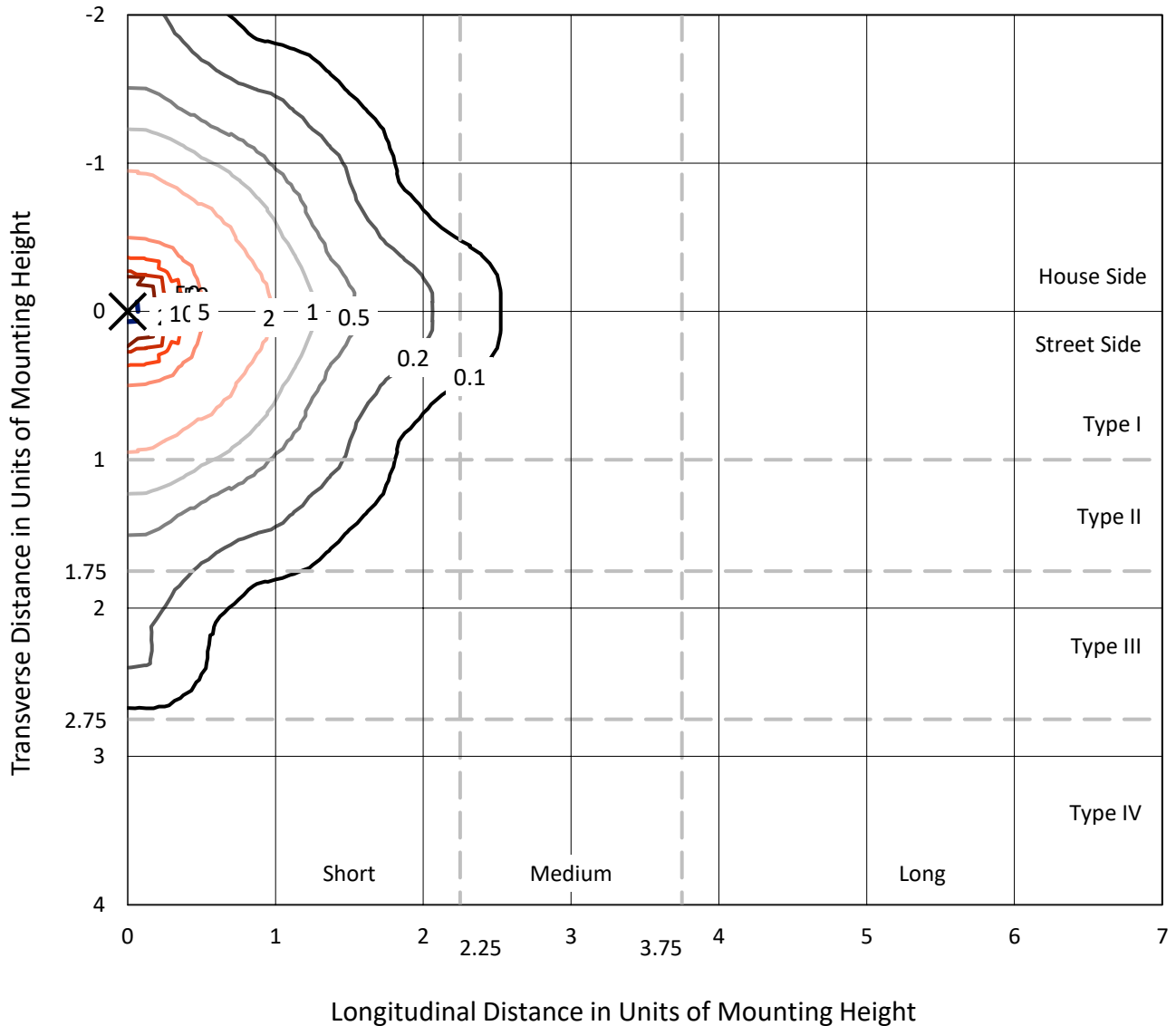
Lumens per Lamp: N/A  
Luminaire Lumens: 9523.8 lumens  
Efficiency: N/A  
Efficacy: 57.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

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

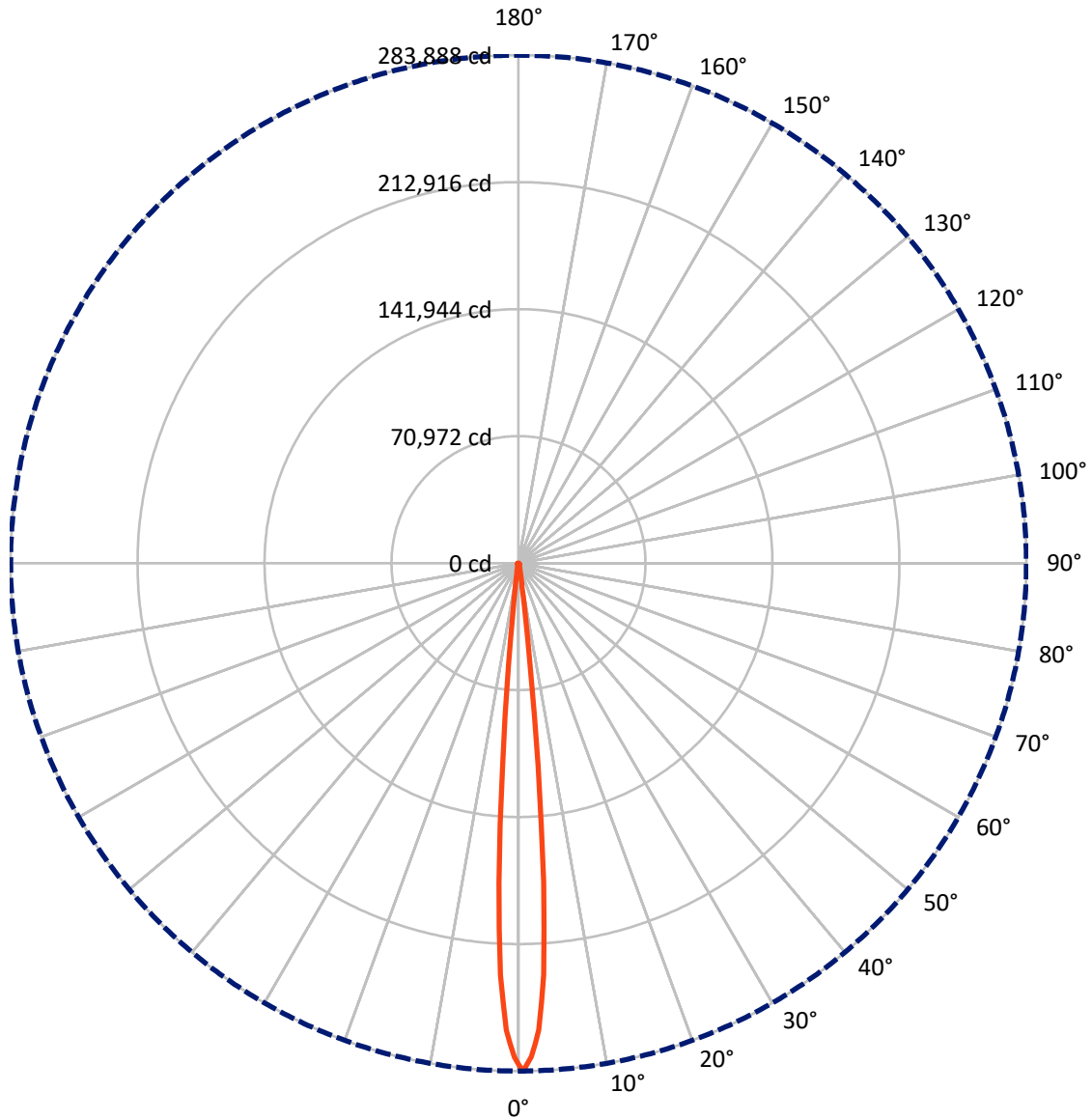
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2838.9 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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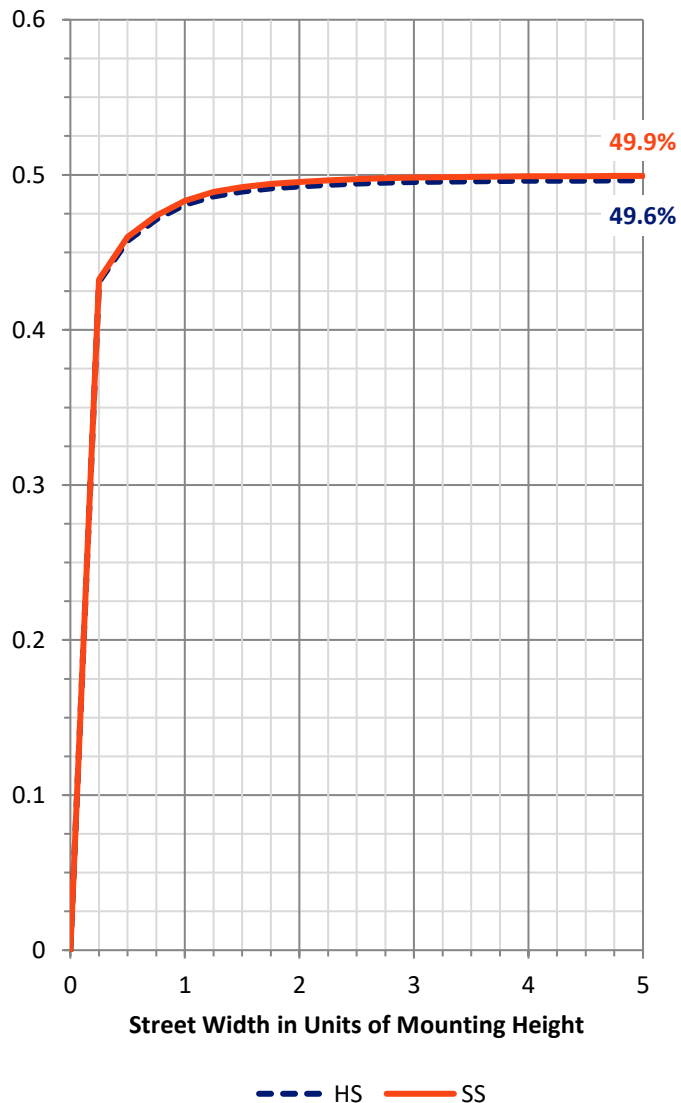
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4761.9	0.0	4761.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4761.9	0.0	4761.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9523.8	0.0	9523.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7314.2	76.8
10°-20°	713.4	7.5
20°-30°	381.1	4.0
30°-40°	314.3	3.3
40°-50°	350.0	3.7
50°-60°	235.4	2.5
60°-70°	150.2	1.6
70°-80°	59.3	0.6
80°-90°	5.8	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°	9523.8	100.0
0°-180°	9523.8	100.0

**Coefficient of Utilization**

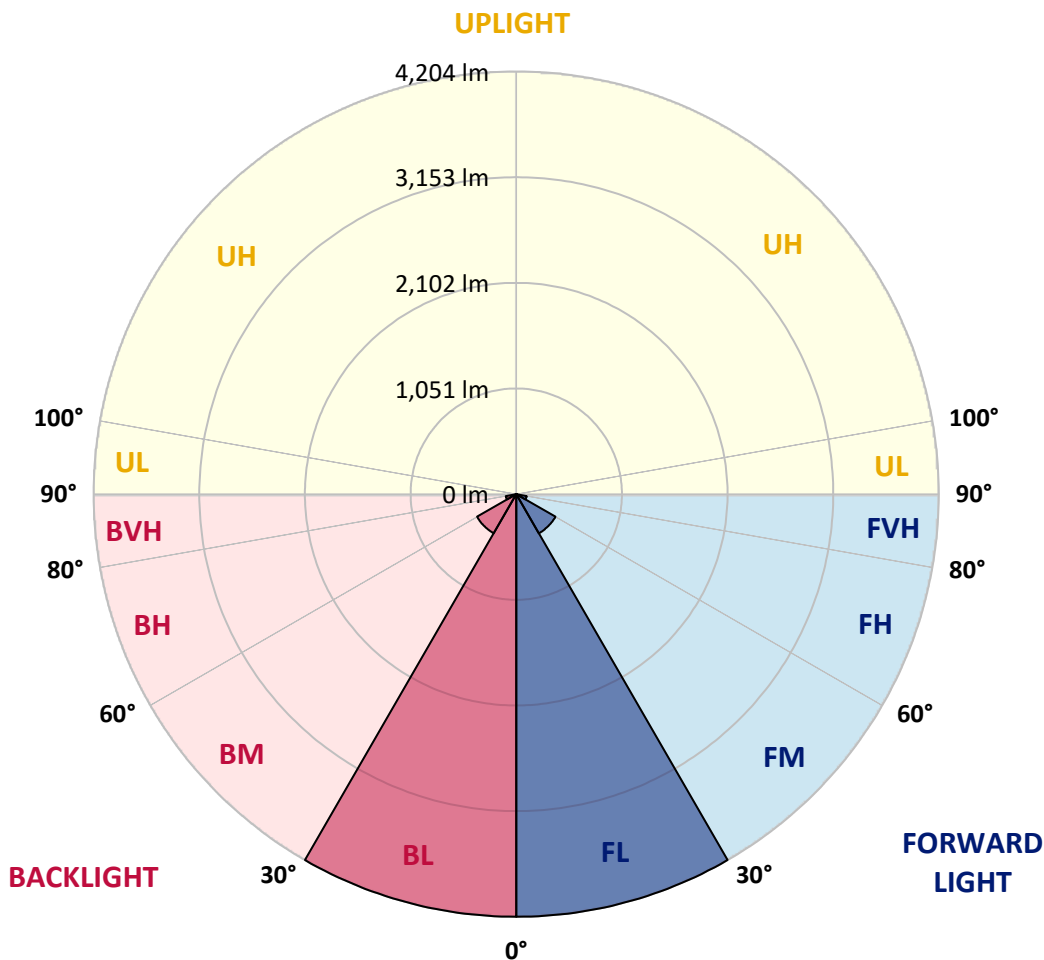


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4204.4	44.1			
FM (30°-60°)	449.9	4.7			
FH (60°-80°)	104.7	1.1			G0/660
FVH (80°-90°)	2.9	0.0			G0/10
BL (0°-30°)	4204.4	44.1	B4/5000		
BM (30°-60°)	449.9	4.7	B1/1000		
BH (60°-80°)	104.7	1.1	B0/110		G0/660
BVH (80°-90°)	2.9	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°	283888.4	283888.4	283888.4	283888.4	283888.4	283888.4	283888.4	283888.4	283888.4	283888.4
1°	275998.4	276478.3	276564.9	275993.4	274536.1	274880.0	274835.5	274912.2	274768.7	273858.2
2°	261054.5	261764.6	261017.4	259414.2	256093.9	255302.1	252657.3	249705.6	246563.4	243413.9
3°	230550.8	232045.2	230978.8	232690.9	225956.3	225275.9	219714.0	212380.6	204948.3	198926.2
4°	178754.5	181515.7	181881.9	187532.8	182000.6	183730.0	177376.4	167187.9	156069.1	147563.0
5°	113941.8	117791.6	119963.9	125263.5	127811.9	134447.5	131352.4	121126.7	108278.5	98493.3
6°	57570.9	59666.5	65503.0	71329.6	77836.6	86642.1	87834.6	78858.4	68632.8	59240.9
7°	26837.1	27703.0	31820.0	33062.0	40501.8	50054.4	51390.5	46469.4	41075.8	33796.8
8°	13867.6	14204.1	15708.3	16631.2	20970.9	26465.9	27403.6	24306.0	22099.1	18437.3
9°	8540.8	8689.2	9253.3	9461.1	11084.2	13528.6	13860.2	12563.7	11965.0	10700.7
10°	5923.1	6002.3	6267.0	6321.4	6863.3	7667.4	7697.1	7271.5	7281.4	6964.7
12.5°	3157.0	3181.8	3256.0	3263.4	3367.3	3451.4	3431.6	3434.1	3476.2	3434.1
15°	2018.9	2031.3	2075.8	2085.7	2140.1	2169.8	2155.0	2152.5	2167.4	2140.1
17.5°	1440.0	1447.4	1479.5	1506.8	1541.4	1551.3	1546.3	1541.4	1541.4	1516.7
20°	1123.3	1133.2	1155.4	1182.6	1200.0	1217.3	1219.8	1217.3	1209.9	1197.5
22.5°	955.0	960.0	967.4	979.8	992.1	999.6	1004.5	1007.0	1004.5	999.6
25°	831.3	836.3	851.1	858.5	858.5	861.0	870.9	875.8	878.3	868.4
27.5°	613.6	626.0	648.2	660.6	660.6	665.5	673.0	682.9	692.8	675.4
30°	475.0	484.9	509.7	509.7	507.2	512.1	519.6	534.4	549.3	529.5
32.5°	428.0	428.0	433.0	435.4	435.4	442.9	447.8	460.2	472.6	467.6
35°	447.8	435.4	420.6	420.6	425.6	440.4	442.9	455.2	467.6	484.9
37.5°	650.7	613.6	559.2	549.3	549.3	566.6	559.2	566.6	588.8	653.2
40°	591.3	561.6	529.5	484.9	484.9	509.7	492.4	502.3	554.2	593.8
42.5°	527.0	527.0	492.4	450.3	450.3	462.7	457.7	462.7	522.0	554.2
45°	487.4	487.4	477.5	410.7	420.6	428.0	428.0	428.0	507.2	517.1
47.5°	465.1	465.1	440.4	378.5	390.9	393.4	398.3	393.4	455.2	489.9
50°	415.7	420.6	378.5	334.0	348.9	348.9	356.3	346.4	393.4	450.3
52.5°	358.8	363.7	299.4	264.7	282.1	279.6	289.5	274.6	311.7	390.9
55°	319.2	316.7	247.4	215.3	235.0	232.6	237.5	220.2	252.4	336.5
57.5°	277.1	282.1	202.9	175.7	197.9	193.0	200.4	180.6	207.8	299.4
60°	244.9	252.4	173.2	148.4	170.7	165.8	173.2	150.9	178.1	269.7
62.5°	235.0	235.0	153.4	126.2	148.4	143.5	148.4	126.2	158.3	247.4
65°	279.6	264.7	138.6	103.9	126.2	121.2	126.2	103.9	138.6	237.5
67.5°	371.1	353.8	131.1	81.6	101.4	94.0	101.4	84.1	121.2	222.7
70°	193.0	205.4	131.1	64.3	76.7	76.7	74.2	64.3	101.4	163.3
72.5°	111.3	113.8	101.4	49.5	59.4	64.3	56.9	49.5	74.2	121.2
75°	61.9	69.3	64.3	37.1	44.5	49.5	42.1	37.1	52.0	86.6
77.5°	37.1	42.1	37.1	24.7	29.7	27.2	29.7	24.7	34.6	56.9
80°	19.8	19.8	19.8	14.8	14.8	17.3	17.3	14.8	19.8	29.7
82.5°	7.4	7.4	7.4	4.9	7.4	7.4	7.4	9.9	9.9	12.4
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
283888.4  
274756.3  
245227.4  
201209.9  
149534.9  
99747.6  
59943.6  
34677.6  
18934.6  
10975.3  
7110.7  
3481.1  
2159.9  
1524.1  
1200.0  
1002.0  
868.4  
673.0  
524.5  
467.6  
494.8  
685.3  
630.9  
556.7  
514.6  
482.5  
445.3  
381.0  
331.5  
291.9  
262.3  
244.9  
237.5  
220.2  
160.8  
118.8  
76.7  
42.1  
24.7  
12.4  
2.5  
2.5  
0.0

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