

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: P525335

Luminaire Tested: **IFLD-M-SA4B-935-U-11**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525335  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-935-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (64) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

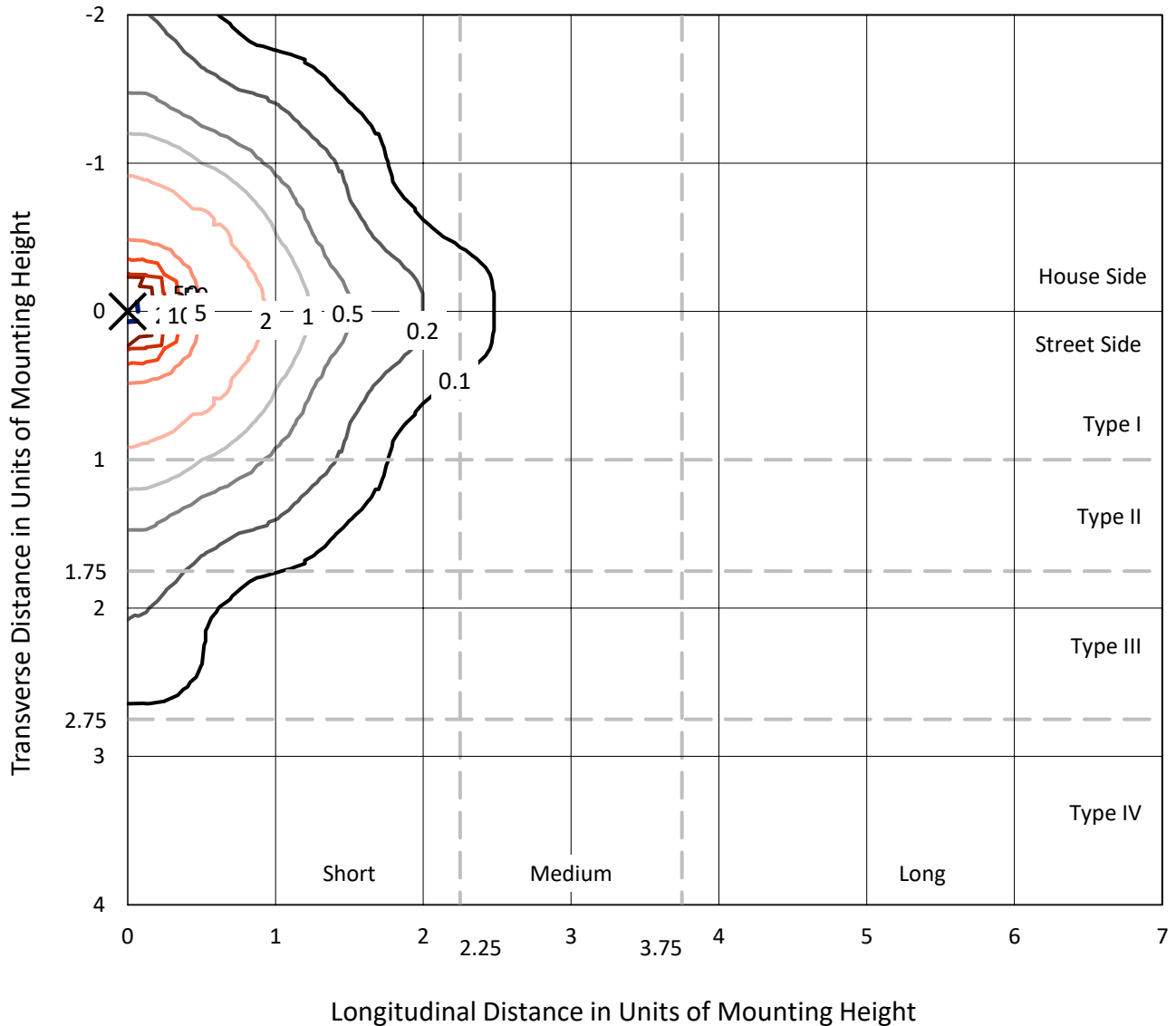
Lumens per Lamp: N/A  
Luminaire Lumens: 8751.4 lumens  
Efficiency: N/A  
Efficacy: 52.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

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

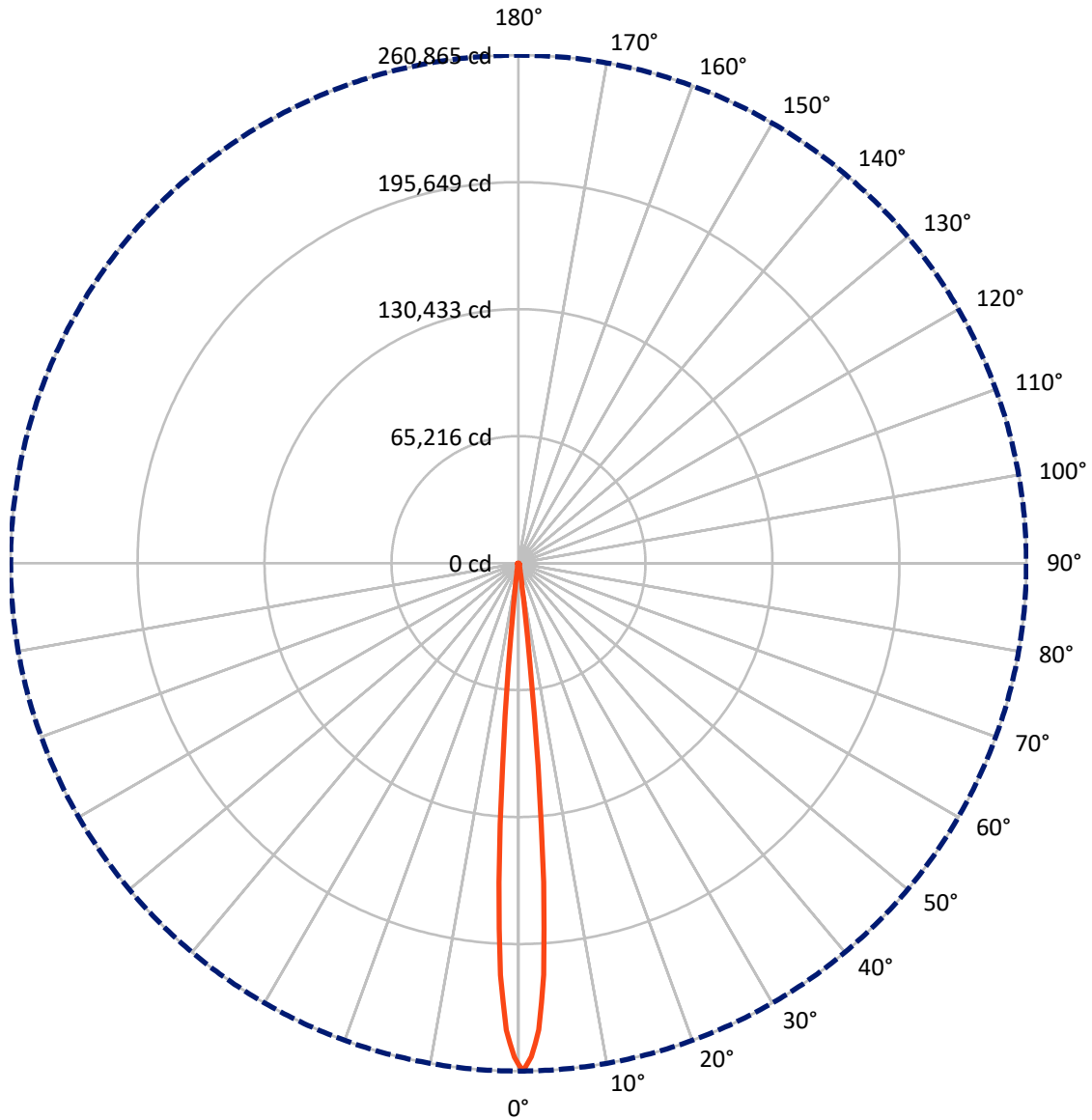
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2608.7 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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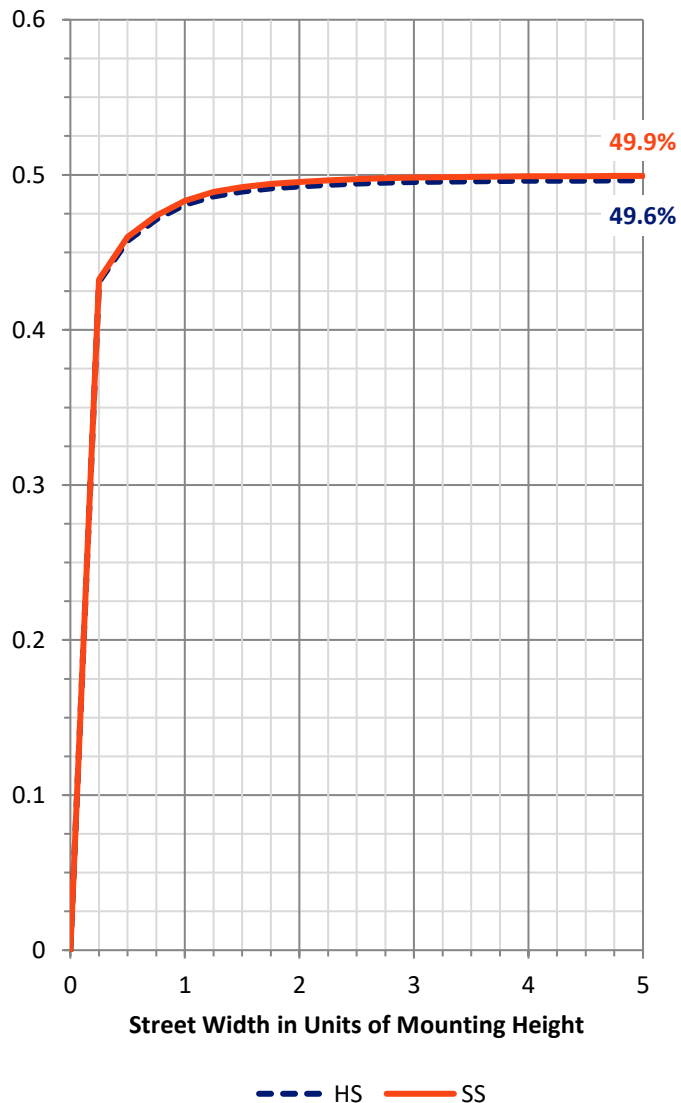
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4375.7	0.0	4375.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4375.7	0.0	4375.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8751.4	0.0	8751.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6721.1	76.8
10°-20°	655.5	7.5
20°-30°	350.2	4.0
30°-40°	288.8	3.3
40°-50°	321.6	3.7
50°-60°	216.3	2.5
60°-70°	138.0	1.6
70°-80°	54.5	0.6
80°-90°	5.3	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°	8751.4	100.0
0°-180°	8751.4	100.0

**Coefficient of Utilization**

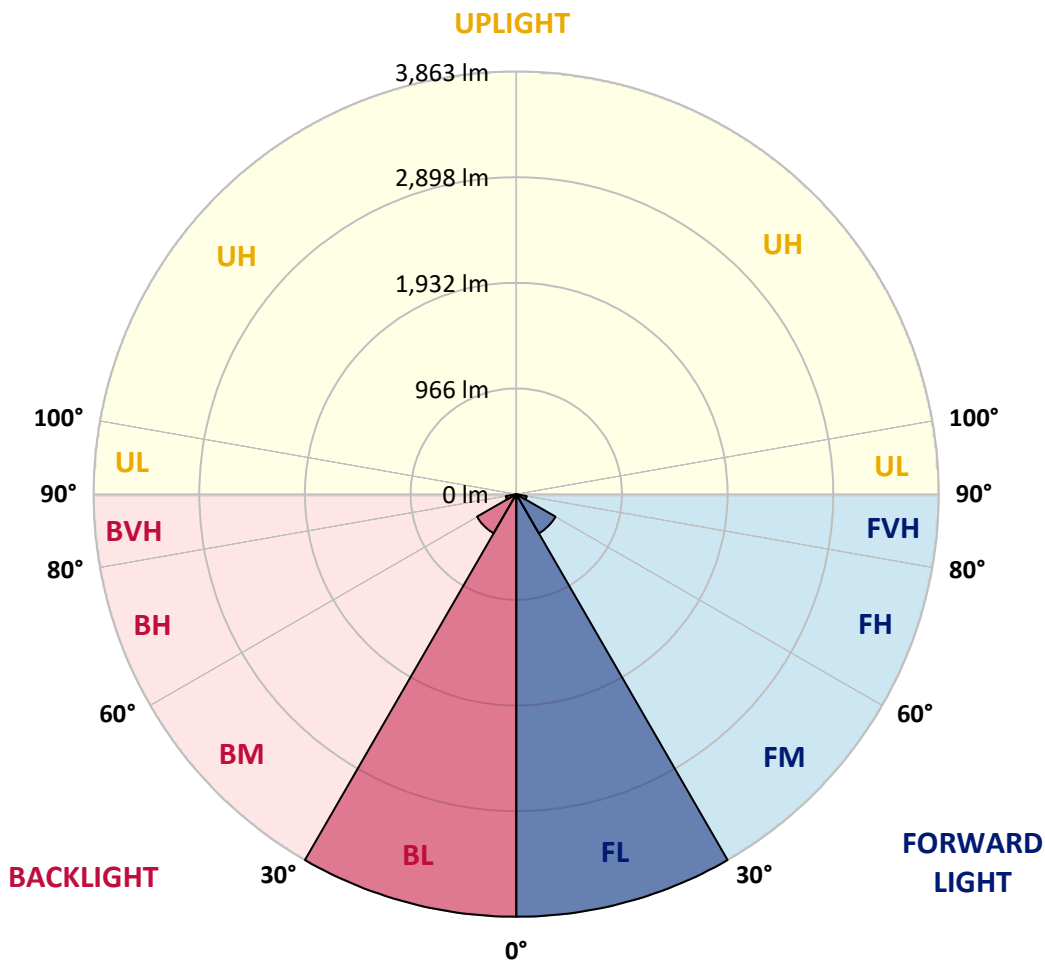


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3863.4	44.1			
FM (30°-60°)	413.4	4.7			
FH (60°-80°)	96.2	1.1			G0/660
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	3863.4	44.1	B4/5000		
BM (30°-60°)	413.4	4.7	B1/1000		
BH (60°-80°)	96.2	1.1	B0/110		G0/660
BVH (80°-90°)	2.7	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°	260865.1	260865.1	260865.1	260865.1	260865.1	260865.1	260865.1	260865.1	260865.1	260865.1
1°	253614.9	254055.9	254135.5	253610.3	252271.3	252587.3	252546.3	252616.8	252485.0	251648.3
2°	239883.0	240535.5	239848.9	238375.7	235324.6	234597.1	232166.8	229454.5	226567.1	223673.0
3°	211853.1	213226.3	212246.4	213819.7	207631.2	207006.0	201895.2	195156.6	188327.0	182793.3
4°	164257.5	166794.8	167131.2	172323.9	167240.4	168829.5	162991.2	153629.0	143411.9	135595.6
5°	104701.1	108238.7	110234.8	115104.6	117446.3	123543.8	120699.7	111303.4	99497.1	90505.5
6°	52901.9	54827.5	60190.7	65544.8	71524.1	79615.4	80711.2	72463.0	63066.7	54436.5
7°	24660.6	25456.3	29239.4	30380.7	37217.1	45995.0	47222.7	42700.7	37744.5	31055.9
8°	12742.9	13052.1	14434.4	15282.4	19270.1	24319.5	25181.2	22334.8	20306.8	16942.1
9°	7848.1	7984.5	8502.9	8693.8	10185.2	12431.5	12736.1	11544.8	10994.6	9832.9
10°	5442.7	5515.5	5758.8	5808.8	6306.7	7045.6	7072.8	6681.8	6690.9	6399.9
12.5°	2901.0	2923.7	2991.9	2998.7	3094.2	3171.5	3153.3	3155.6	3194.3	3155.6
15°	1855.2	1866.5	1907.5	1916.6	1966.6	1993.9	1980.2	1977.9	1991.6	1966.6
17.5°	1323.2	1330.0	1359.5	1384.6	1416.4	1425.5	1420.9	1416.4	1416.4	1393.7
20°	1032.2	1041.3	1061.7	1086.7	1102.6	1118.6	1120.8	1118.6	1111.7	1100.4
22.5°	877.6	882.1	888.9	900.3	911.7	918.5	923.0	925.3	923.0	918.5
25°	763.9	768.4	782.1	788.9	788.9	791.2	800.3	804.8	807.1	798.0
27.5°	563.8	575.2	595.7	607.0	607.0	611.6	618.4	627.5	636.6	620.7
30°	436.5	445.6	468.3	468.3	466.1	470.6	477.4	491.1	504.7	486.5
32.5°	393.3	393.3	397.9	400.1	400.1	407.0	411.5	422.9	434.2	429.7
35°	411.5	400.1	386.5	386.5	391.0	404.7	407.0	418.3	429.7	445.6
37.5°	597.9	563.8	513.8	504.7	504.7	520.6	513.8	520.6	541.1	600.2
40°	543.4	516.1	486.5	445.6	445.6	468.3	452.4	461.5	509.3	545.6
42.5°	484.3	484.3	452.4	413.8	413.8	425.1	420.6	425.1	479.7	509.3
45°	447.9	447.9	438.8	377.4	386.5	393.3	393.3	393.3	466.1	475.2
47.5°	427.4	427.4	404.7	347.8	359.2	361.5	366.0	361.5	418.3	450.2
50°	381.9	386.5	347.8	306.9	320.6	320.6	327.4	318.3	361.5	413.8
52.5°	329.7	334.2	275.1	243.3	259.2	256.9	266.0	252.4	286.5	359.2
55°	293.3	291.0	227.3	197.8	216.0	213.7	218.3	202.3	231.9	309.2
57.5°	254.6	259.2	186.4	161.4	181.9	177.3	184.2	166.0	191.0	275.1
60°	225.1	231.9	159.1	136.4	156.9	152.3	159.1	138.7	163.7	247.8
62.5°	216.0	216.0	141.0	115.9	136.4	131.9	136.4	115.9	145.5	227.3
65°	256.9	243.3	127.3	95.5	115.9	111.4	115.9	95.5	127.3	218.3
67.5°	341.0	325.1	120.5	75.0	93.2	86.4	93.2	77.3	111.4	204.6
70°	177.3	188.7	120.5	59.1	70.5	70.5	68.2	59.1	93.2	150.1
72.5°	102.3	104.6	93.2	45.5	54.6	59.1	52.3	45.5	68.2	111.4
75°	56.8	63.7	59.1	34.1	40.9	45.5	38.6	34.1	47.7	79.6
77.5°	34.1	38.6	34.1	22.7	27.3	25.0	27.3	22.7	31.8	52.3
80°	18.2	18.2	18.2	13.6	13.6	15.9	15.9	13.6	18.2	27.3
82.5°	6.8	6.8	6.8	4.5	6.8	6.8	6.8	9.1	9.1	11.4
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
260865.1  
252473.6  
225339.5  
184891.8  
137407.6  
91658.1  
55082.2  
31865.3  
17399.0  
10085.2  
6534.0  
3198.8  
1984.8  
1400.5  
1102.6  
920.8  
798.0  
618.4  
482.0  
429.7  
454.7  
629.8  
579.7  
511.5  
472.9  
443.3  
409.2  
350.1  
304.6  
268.3  
241.0  
225.1  
218.3  
202.3  
147.8  
109.1  
70.5  
38.6  
22.7  
11.4  
2.3  
2.3  
0.0

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