

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: P636058

Luminaire Tested: **IFLD-M-SA4C-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636058  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (64) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17938.9 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

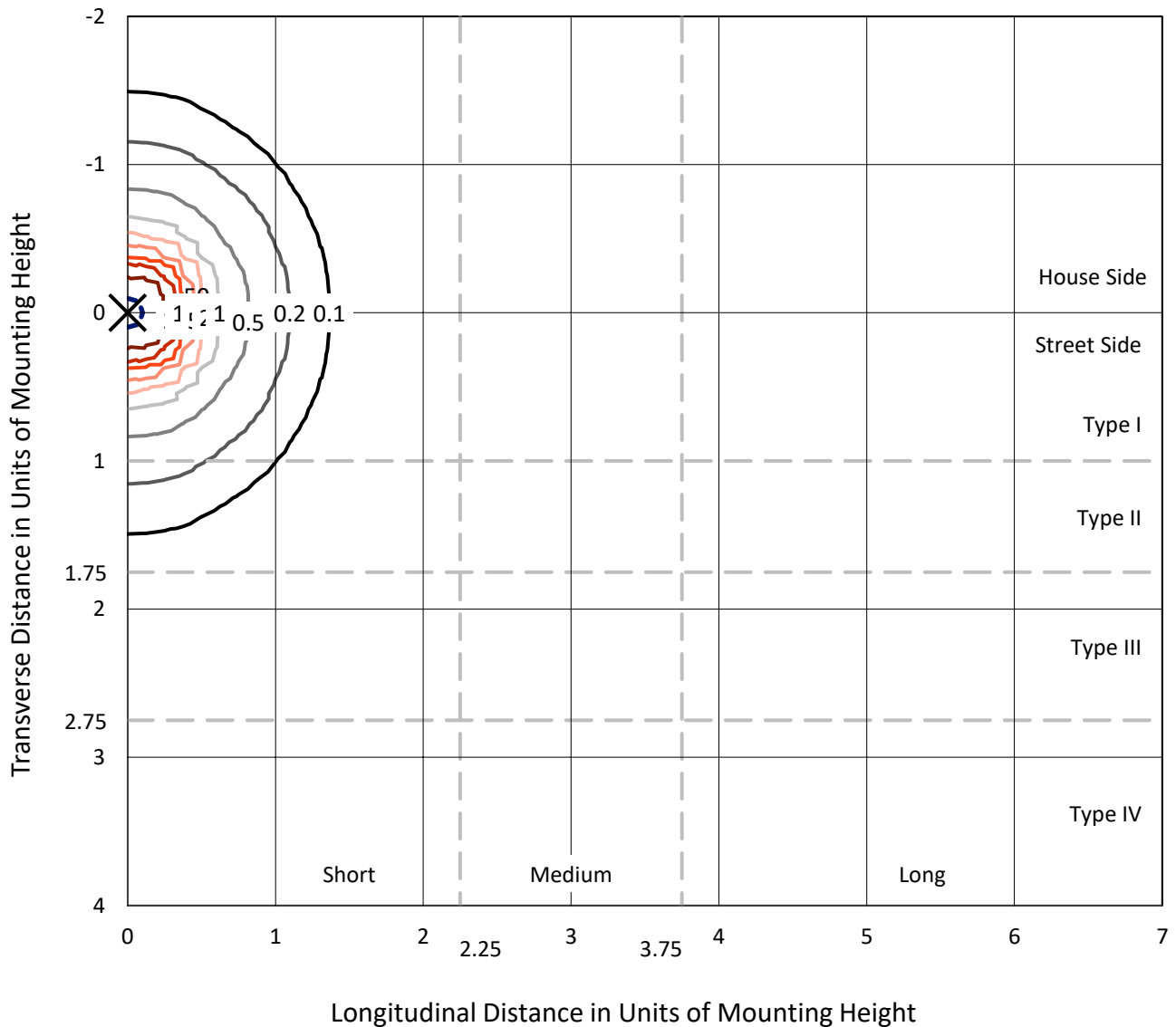
Input Watts (W): 218.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

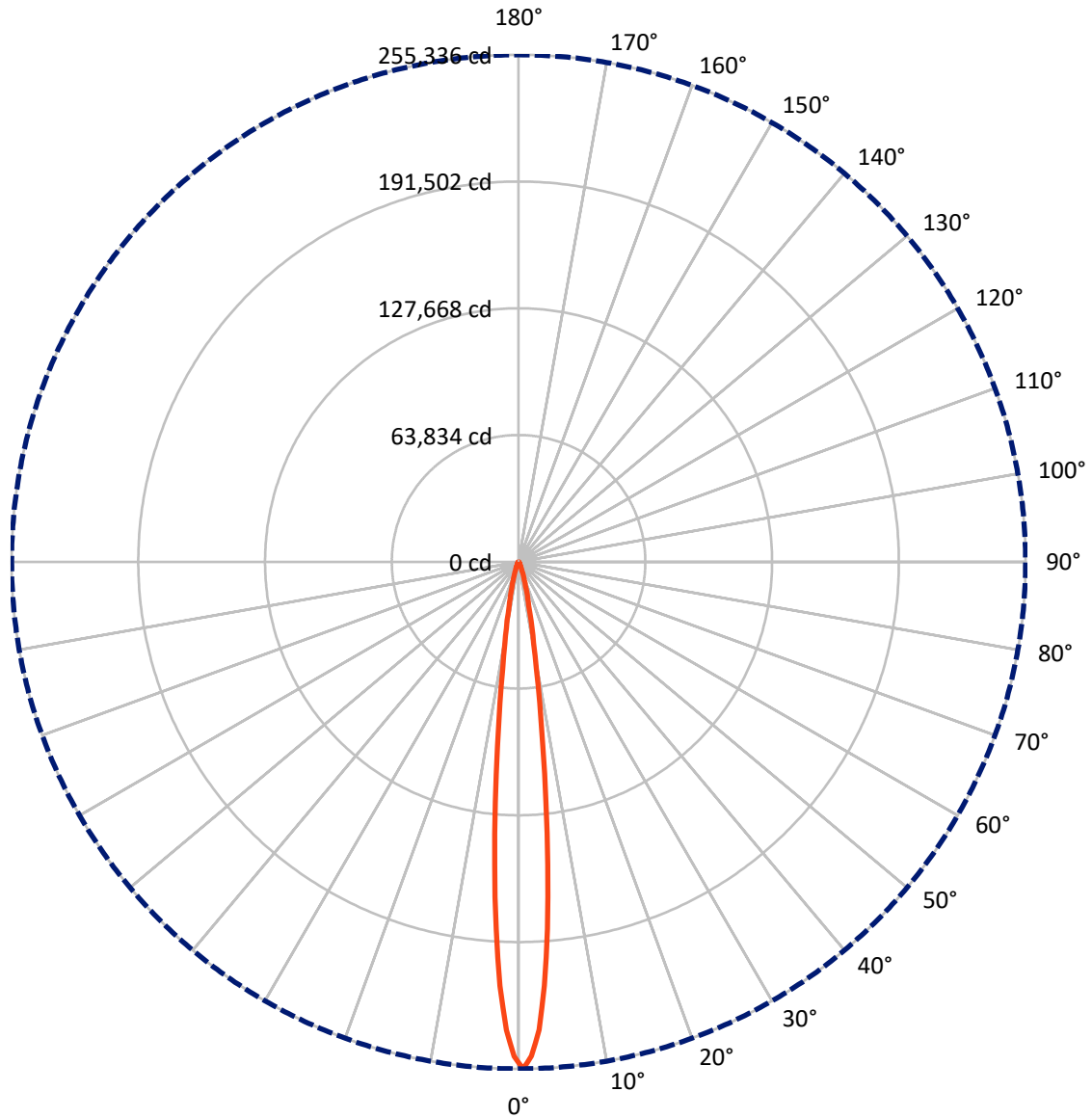
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 638.3 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	8969.4	0.0	8969.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8969.4	0.0	8969.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17938.9	0.0	17938.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10935.2	61.0
10°-20°	4899.0	27.3
20°-30°	1094.1	6.1
30°-40°	357.1	2.0
40°-50°	246.3	1.4
50°-60°	186.1	1.0
60°-70°	127.3	0.7
70°-80°	67.1	0.4
80°-90°	26.8	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°	17938.9	100.0
0°-180°	17938.9	100.0

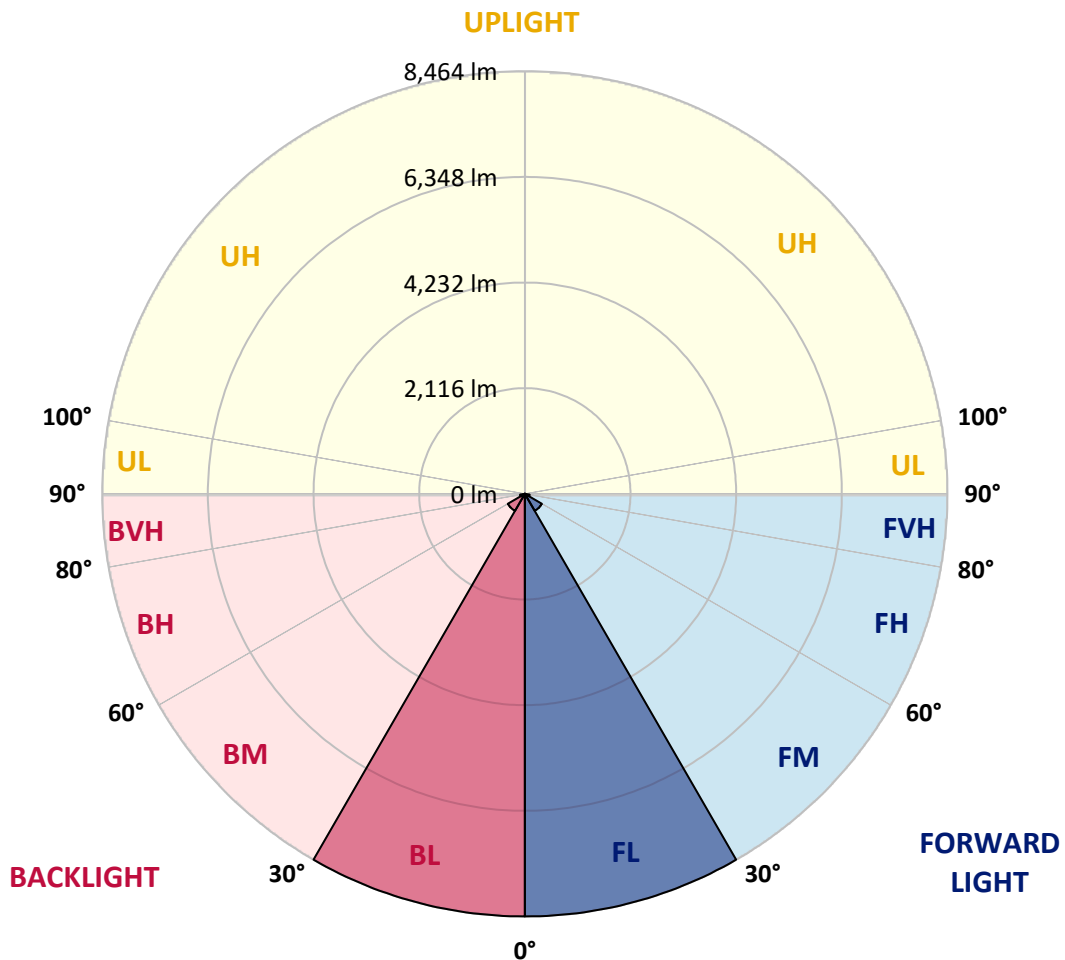


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8464.1	47.2			
FM (30°-60°)	394.7	2.2			
FH (60°-80°)	97.2	0.5			G0/660
FVH (80°-90°)	13.4	0.1			G1/100
BL (0°-30°)	8464.1	47.2	B5		
BM (30°-60°)	394.7	2.2	B1/1000		
BH (60°-80°)	97.2	0.5	B0/110		G0/660
BVH (80°-90°)	13.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	255335.9	255335.9	255335.9	255335.9	255335.9	255335.9	255335.9	255335.9	255335.9	255335.9
1°	248996.5	249335.2	248958.2	250862.6	251648.6	252057.6	252105.5	253179.1	252351.6	252581.6
2°	235873.6	236627.7	235365.6	236586.2	239027.3	239950.8	238445.8	240305.4	239640.8	240027.5
3°	213823.2	214746.6	213002.0	214494.2	217635.1	218338.1	215871.3	218513.8	218446.7	219002.7
4°	185401.4	186900.0	184407.7	186174.7	187564.6	190012.2	187622.1	190628.8	190571.3	191536.3
5°	153138.9	154758.9	152592.5	154426.6	155743.1	156653.7	155778.2	159104.5	159315.3	160312.3
6°	121569.8	123081.2	120662.4	122413.4	124499.9	124873.7	124646.8	127509.8	128145.6	127369.2
7°	93560.2	93937.3	93557.0	95148.3	96822.6	96883.3	97177.3	99695.1	100254.3	99985.9
8°	71653.6	69928.1	71410.7	72254.3	72771.9	75149.2	75324.9	76593.4	77622.3	77695.8
9°	54543.0	52945.4	54661.2	54996.7	56185.3	58297.4	58032.2	59418.9	60064.4	60022.8
10°	41583.0	40771.4	41631.0	42001.6	42979.4	44768.7	45078.6	45714.5	46193.8	46506.9
12.5°	22564.9	22753.4	23251.9	23641.7	24958.1	25434.2	25625.9	25680.3	25677.1	25728.2
15°	14017.6	14171.0	14519.2	15225.4	16027.4	16618.5	16701.6	16394.8	16129.6	16088.1
17.5°	8742.2	8681.5	9499.5	10272.7	11237.7	11544.5	11224.9	10873.4	10512.4	10304.7
20°	5246.6	5288.1	5566.1	5911.2	6690.9	7221.3	6889.0	6531.1	6157.3	5911.2
22.5°	2981.2	3025.9	3147.3	3326.3	3623.4	4105.9	3895.0	3534.0	3268.7	3160.1
25°	1760.6	1760.6	1834.1	1914.0	2038.6	2150.4	2105.7	1914.0	1757.4	1712.7
27.5°	1140.7	1131.1	1156.7	1195.0	1252.5	1258.9	1207.8	1150.3	1070.4	1041.7
30°	834.0	837.2	834.0	849.9	846.7	824.4	792.4	795.6	763.7	760.5
32.5°	677.4	680.6	680.6	677.4	661.4	626.3	603.9	626.3	619.9	613.5
35°	562.4	565.6	597.5	594.3	568.8	530.4	514.4	540.0	559.2	530.4
37.5°	485.7	488.9	514.4	527.2	495.3	469.7	450.5	472.9	501.7	469.7
40°	428.2	431.4	437.7	440.9	425.0	412.2	402.6	409.0	421.8	405.8
42.5°	377.0	373.8	377.0	373.8	354.7	361.1	354.7	345.1	354.7	341.9
45°	329.1	329.1	329.1	319.5	300.4	313.1	306.7	297.2	300.4	290.8
47.5°	300.4	300.4	300.4	287.6	271.6	271.6	274.8	258.8	262.0	258.8
50°	271.6	271.6	278.0	265.2	252.4	242.8	246.0	233.3	236.4	233.3
52.5°	249.2	249.2	249.2	242.8	233.3	226.9	220.5	214.1	210.9	207.7
55°	239.6	239.6	236.4	217.3	214.1	207.7	194.9	191.7	185.3	182.1
57.5°	223.7	223.7	220.5	204.5	191.7	191.7	172.5	169.3	159.8	159.8
60°	198.1	198.1	194.9	191.7	175.7	166.2	153.4	147.0	137.4	134.2
62.5°	188.5	188.5	182.1	166.2	163.0	147.0	134.2	121.4	115.0	108.6
65°	175.7	172.5	169.3	153.4	140.6	131.0	115.0	99.1	92.7	79.9
67.5°	156.6	156.6	153.4	140.6	127.8	111.8	95.9	83.1	67.1	57.5
70°	137.4	134.2	134.2	121.4	111.8	99.1	76.7	63.9	47.9	38.3
72.5°	115.0	115.0	111.8	102.2	95.9	86.3	67.1	51.1	32.0	25.6
75°	92.7	92.7	89.5	83.1	79.9	70.3	57.5	44.7	25.6	12.8
77.5°	76.7	73.5	73.5	67.1	63.9	57.5	47.9	35.1	19.2	9.6
80°	57.5	57.5	60.7	57.5	51.1	47.9	41.5	32.0	16.0	6.4
82.5°	41.5	41.5	44.7	44.7	44.7	41.5	41.5	32.0	16.0	3.2
85°	28.8	28.8	35.1	32.0	32.0	35.1	51.1	41.5	12.8	3.2
87.5°	16.0	16.0	16.0	12.8	12.8	16.0	19.2	16.0	6.4	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
255335.9  
250891.3  
238647.1  
217510.5  
189842.8  
158407.9  
127449.1  
99618.4  
76769.2  
61000.6  
46692.2  
25769.7  
15960.3  
10272.7  
5965.5  
3172.9  
1706.3  
1041.7  
757.3  
600.7  
524.0  
466.5  
399.4  
341.9  
290.8  
258.8  
233.3  
207.7  
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