

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: P636027

Luminaire Tested: **IFLD-M-SA4A-930-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636027  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-930-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (64) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11230.7 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

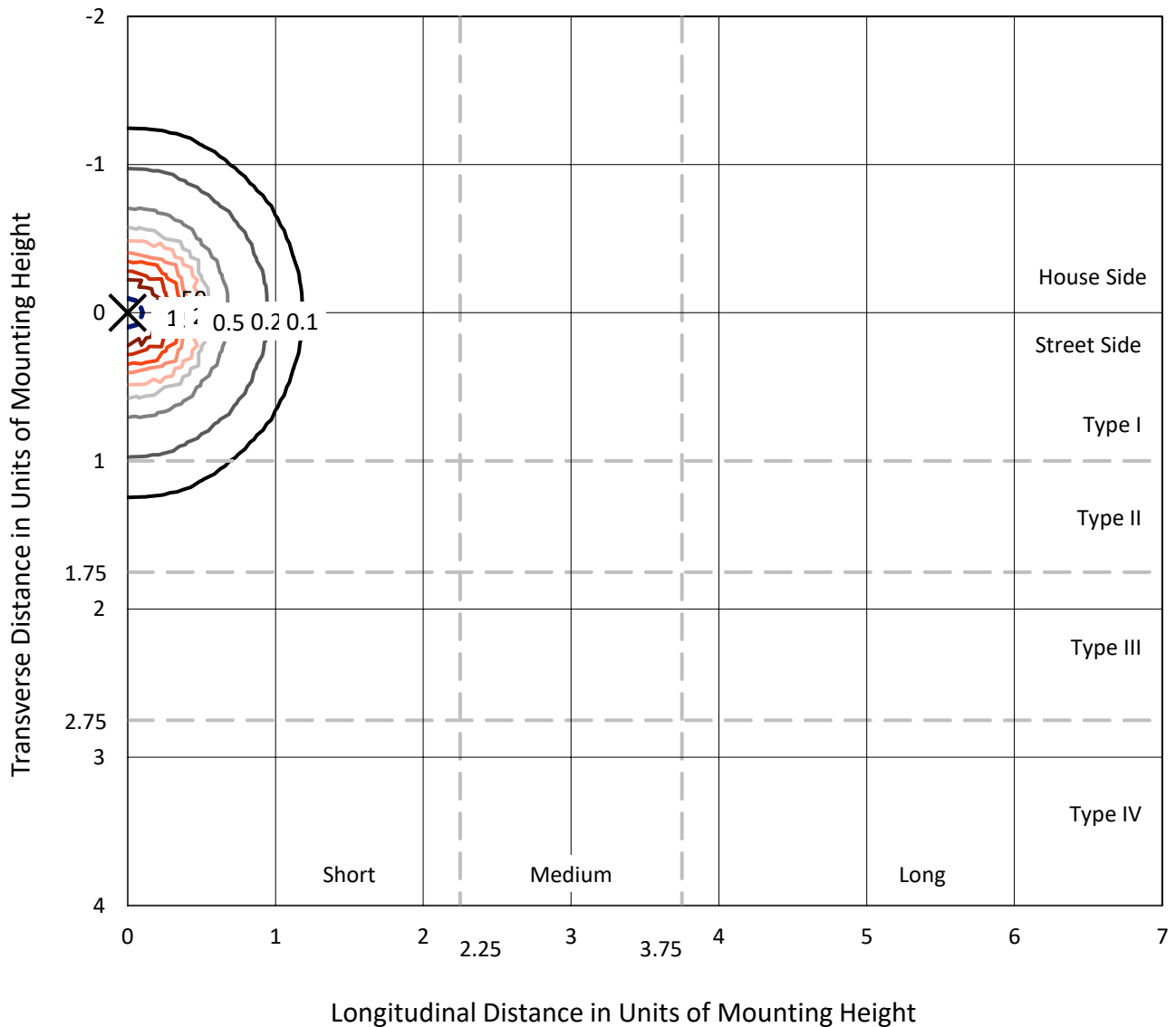
Input Watts (W): 128.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

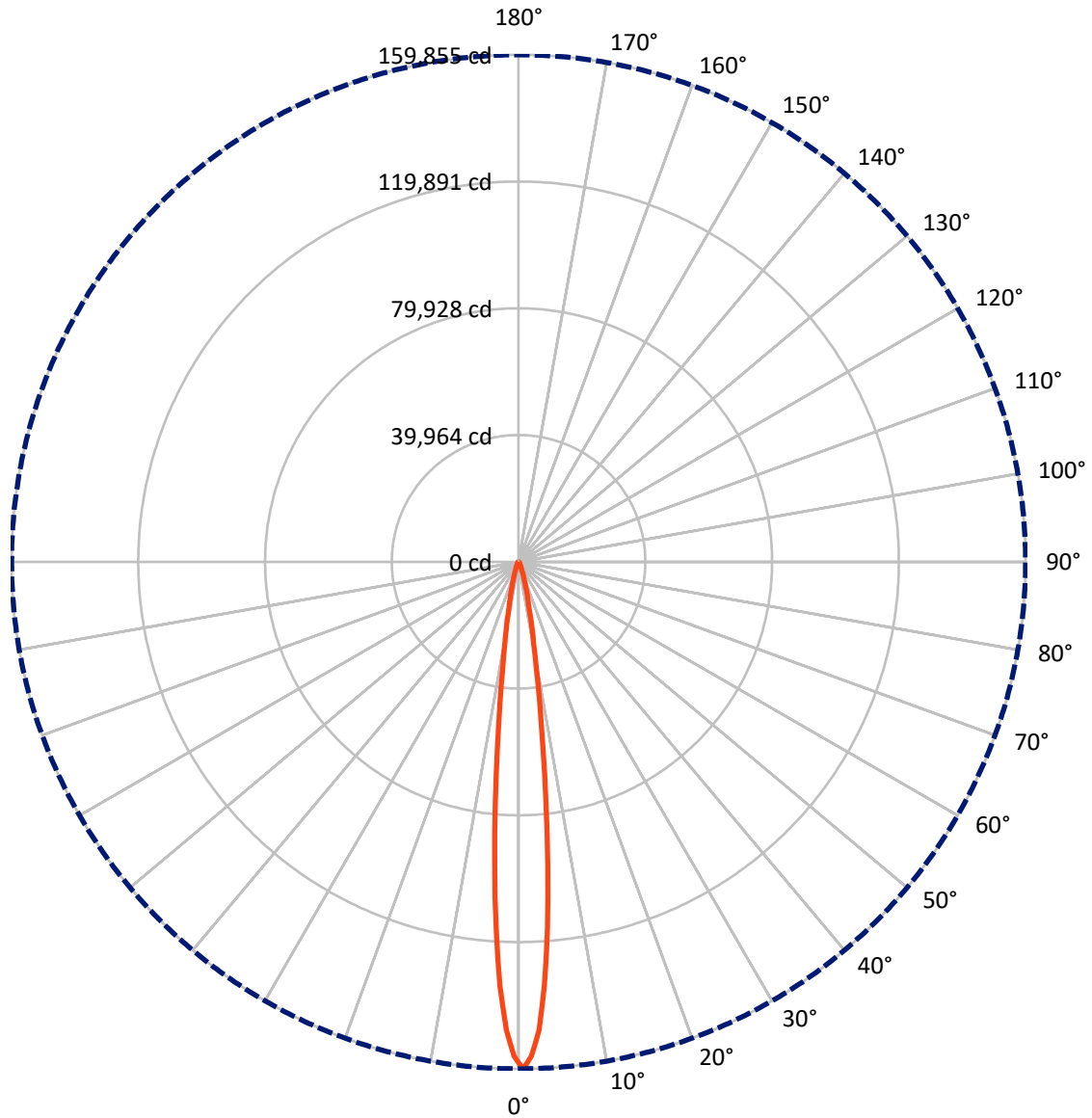
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 399.6 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	5615.3	0.0	5615.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5615.3	0.0	5615.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11230.7	0.0	11230.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6846.0	61.0
10°-20°	3067.1	27.3
20°-30°	684.9	6.1
30°-40°	223.6	2.0
40°-50°	154.2	1.4
50°-60°	116.5	1.0
60°-70°	79.7	0.7
70°-80°	42.0	0.4
80°-90°	16.8	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°	11230.7	100.0
0°-180°	11230.7	100.0

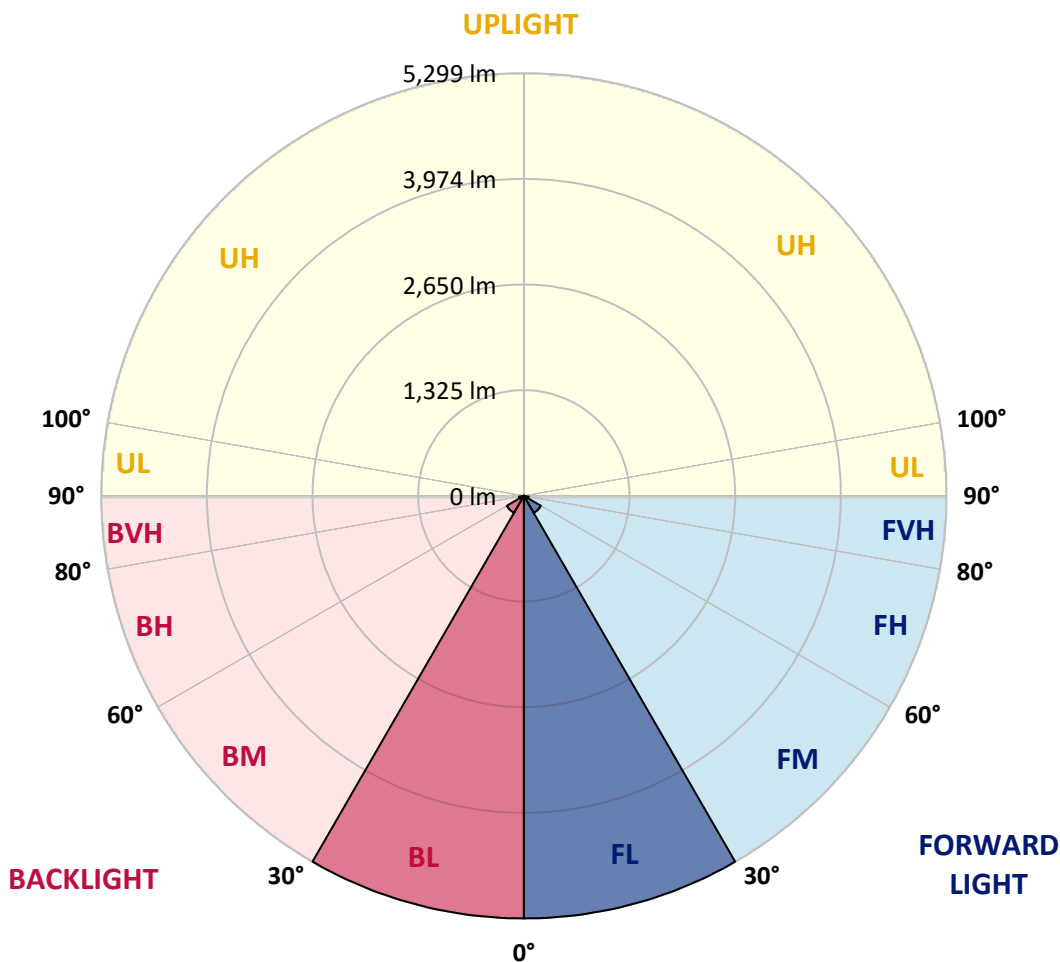


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5299.0	47.2			
FM (30°-60°)	247.1	2.2			
FH (60°-80°)	60.8	0.5			G0/660
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	5299.0	47.2	B5		
BM (30°-60°)	247.1	2.2	B1/1000		
BH (60°-80°)	60.8	0.5	B0/110		G0/660
BVH (80°-90°)	8.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	159855.0	159855.0	159855.0	159855.0	159855.0	159855.0	159855.0	159855.0	159855.0	159855.0
1°	155886.2	156098.2	155862.2	157054.4	157546.5	157802.6	157832.6	158504.7	157986.6	158130.6
2°	147670.5	148142.6	147352.4	148116.6	149644.9	150223.0	149280.8	150445.1	150029.0	150271.0
3°	133865.6	134443.8	133351.5	134285.7	136252.1	136692.2	135147.9	136802.2	136760.2	137108.3
4°	116072.0	117010.2	115449.8	116556.1	117426.2	118958.6	117462.2	119344.6	119308.6	119912.8
5°	95873.8	96888.0	95531.7	96680.0	97504.1	98074.2	97526.1	99608.6	99740.6	100364.7
6°	76109.7	77055.9	75541.6	76637.8	77944.1	78178.1	78036.1	79828.5	80226.6	79740.5
7°	58574.1	58810.1	58572.1	59568.3	60616.5	60654.5	60838.6	62414.9	62765.0	62596.9
8°	44859.3	43779.0	44707.2	45235.3	45559.4	47047.7	47157.7	47951.9	48596.0	48642.0
9°	34147.0	33146.8	34221.1	34431.1	35175.3	36497.5	36331.5	37199.7	37603.8	37577.8
10°	26033.4	25525.3	26063.4	26295.4	26907.6	28027.8	28221.8	28619.9	28920.0	29116.0
12.5°	14126.9	14244.9	14557.0	14801.1	15625.2	15923.3	16043.3	16077.3	16075.3	16107.3
15°	8775.8	8871.8	9089.9	9532.0	10034.1	10404.1	10456.2	10264.1	10098.1	10072.1
17.5°	5473.1	5435.1	5947.2	6431.3	7035.5	7227.5	7027.5	6807.4	6581.4	6451.3
20°	3284.7	3310.7	3484.7	3700.8	4188.9	4520.9	4312.9	4088.8	3854.8	3700.8
22.5°	1866.4	1894.4	1970.4	2082.4	2268.5	2570.5	2438.5	2212.5	2046.4	1978.4
25°	1102.2	1102.2	1148.2	1198.2	1276.3	1346.3	1318.3	1198.2	1100.2	1072.2
27.5°	714.1	708.1	724.1	748.2	784.2	788.2	756.2	720.1	670.1	652.1
30°	522.1	524.1	522.1	532.1	530.1	516.1	496.1	498.1	478.1	476.1
32.5°	424.1	426.1	426.1	424.1	414.1	392.1	378.1	392.1	388.1	384.1
35°	352.1	354.1	374.1	372.1	356.1	332.1	322.1	338.1	350.1	332.1
37.5°	304.1	306.1	322.1	330.1	310.1	294.1	282.1	296.1	314.1	294.1
40°	268.1	270.1	274.1	276.1	266.1	258.1	252.1	256.1	264.1	254.1
42.5°	236.0	234.0	236.0	234.0	222.0	226.0	222.0	216.0	222.0	214.0
45°	206.0	206.0	206.0	200.0	188.0	196.0	192.0	186.0	188.0	182.0
47.5°	188.0	188.0	188.0	180.0	170.0	170.0	172.0	162.0	164.0	162.0
50°	170.0	170.0	174.0	166.0	158.0	152.0	154.0	146.0	148.0	146.0
52.5°	156.0	156.0	156.0	152.0	146.0	142.0	138.0	134.0	132.0	130.0
55°	150.0	150.0	148.0	136.0	134.0	130.0	122.0	120.0	116.0	114.0
57.5°	140.0	140.0	138.0	128.0	120.0	120.0	108.0	106.0	100.0	100.0
60°	124.0	124.0	122.0	120.0	110.0	104.0	96.0	92.0	86.0	84.0
62.5°	118.0	118.0	114.0	104.0	102.0	92.0	84.0	76.0	72.0	68.0
65°	110.0	108.0	106.0	96.0	88.0	82.0	72.0	62.0	58.0	50.0
67.5°	98.0	98.0	96.0	88.0	80.0	70.0	60.0	52.0	42.0	36.0
70°	86.0	84.0	84.0	76.0	70.0	62.0	48.0	40.0	30.0	24.0
72.5°	72.0	72.0	70.0	64.0	60.0	54.0	42.0	32.0	20.0	16.0
75°	58.0	58.0	56.0	52.0	50.0	44.0	36.0	28.0	16.0	8.0
77.5°	48.0	46.0	46.0	42.0	40.0	36.0	30.0	22.0	12.0	6.0
80°	36.0	36.0	38.0	36.0	32.0	30.0	26.0	20.0	10.0	4.0
82.5°	26.0	26.0	28.0	28.0	28.0	26.0	26.0	20.0	10.0	2.0
85°	18.0	18.0	22.0	20.0	20.0	22.0	32.0	26.0	8.0	2.0
87.5°	10.0	10.0	10.0	8.0	8.0	10.0	12.0	10.0	4.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
159855.0  
157072.4  
149406.8  
136174.1  
118852.5  
99172.5  
79790.5  
62366.9  
48061.9  
38189.9  
29232.0  
16133.3  
9992.1  
6431.3  
3734.8  
1986.4  
1068.2  
652.1  
474.1  
376.1  
328.1  
292.1  
250.1  
214.0  
182.0  
162.0  
146.0  
130.0  
112.0  
100.0  
80.0  
66.0  
48.0  
36.0  
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