

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: P636000

Luminaire Tested: **IFLD-M-SA4C-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636000  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (64) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17104 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

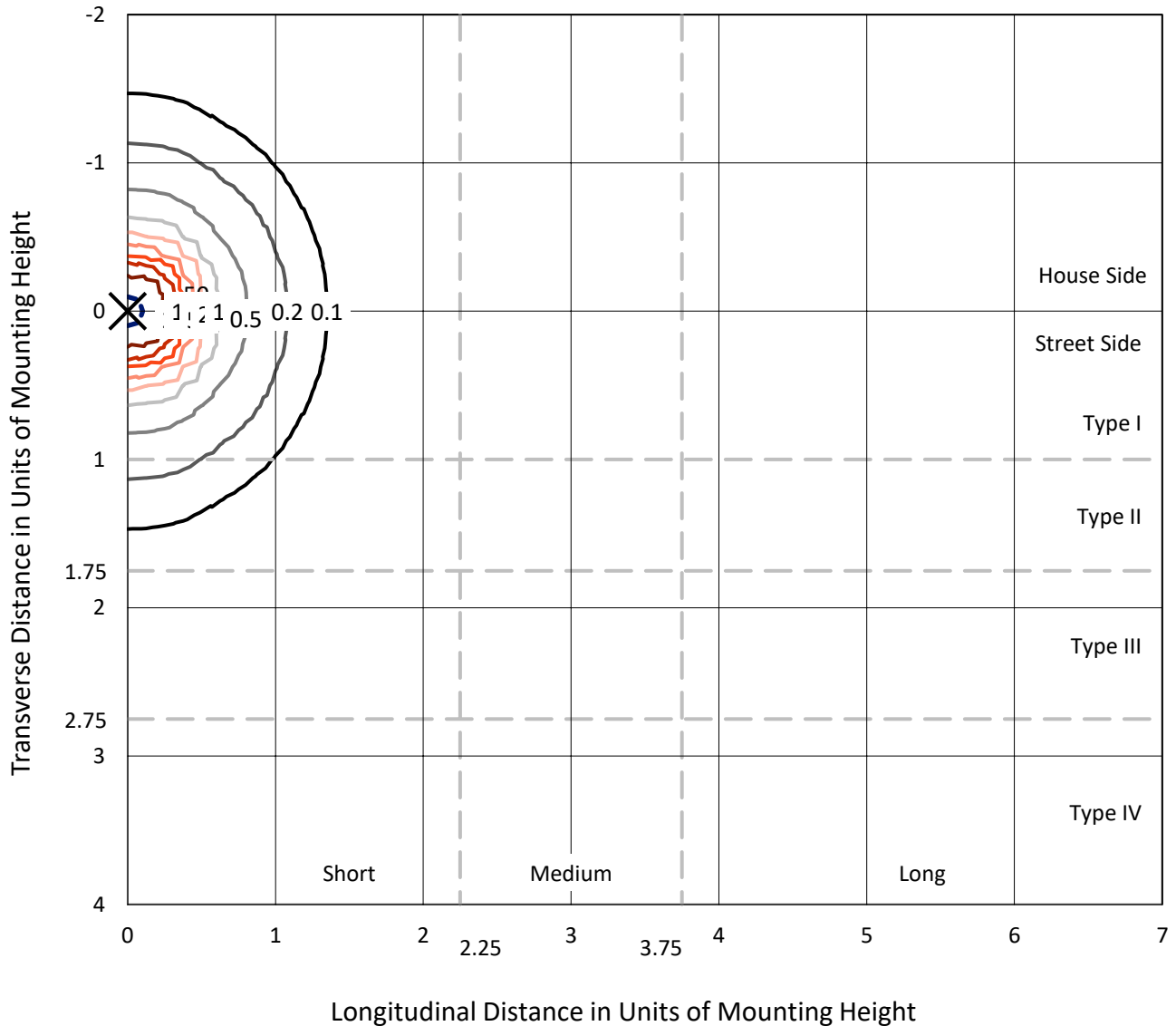
Input Watts (W): 218.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

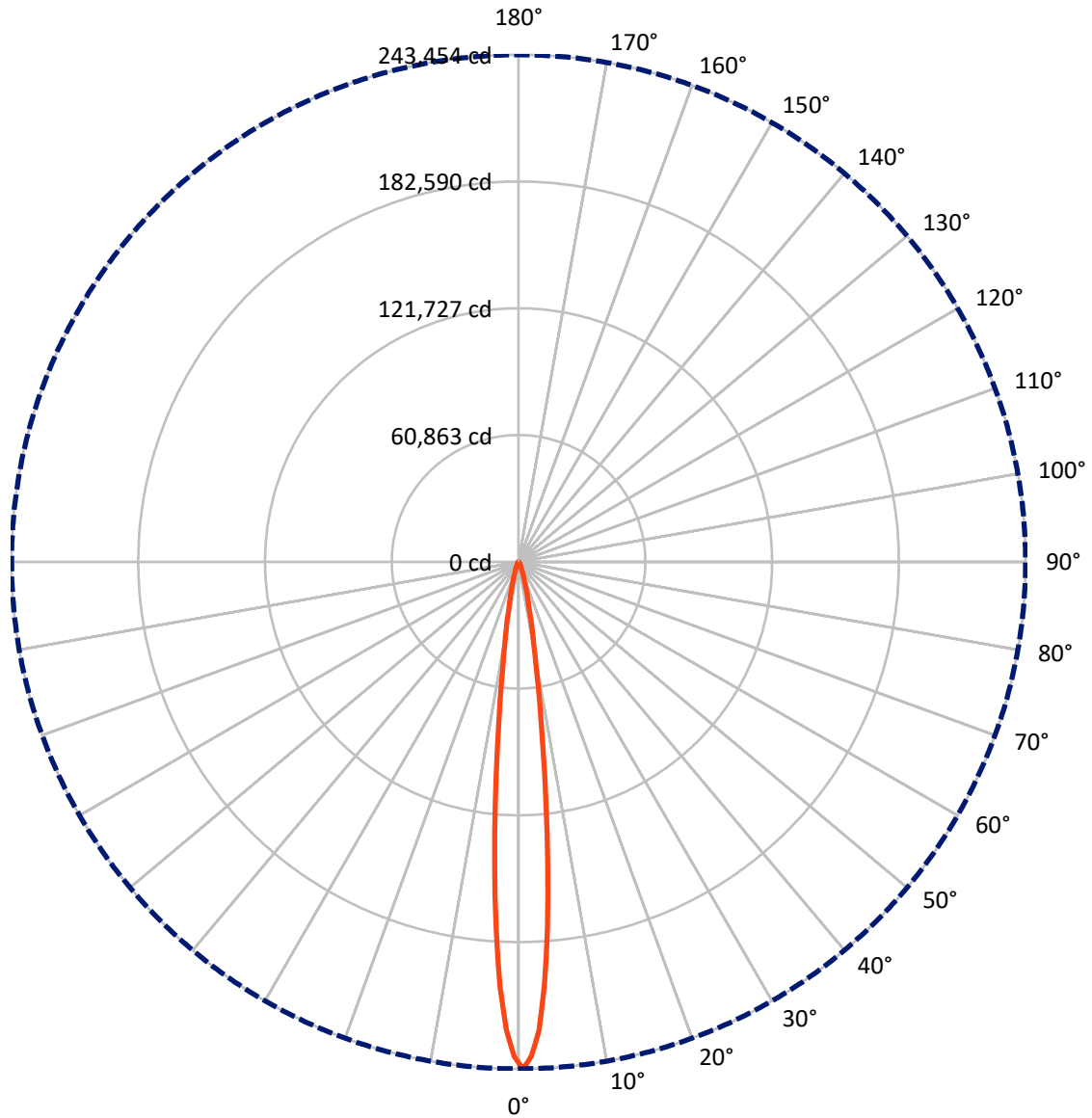
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 608.6 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	8552.0	0.0	8552.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8552.0	0.0	8552.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17104.0	0.0	17104.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10426.3	61.0
10°-20°	4671.0	27.3
20°-30°	1043.2	6.1
30°-40°	340.5	2.0
40°-50°	234.8	1.4
50°-60°	177.4	1.0
60°-70°	121.4	0.7
70°-80°	63.9	0.4
80°-90°	25.5	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°	17104.0	100.0
0°-180°	17104.0	100.0

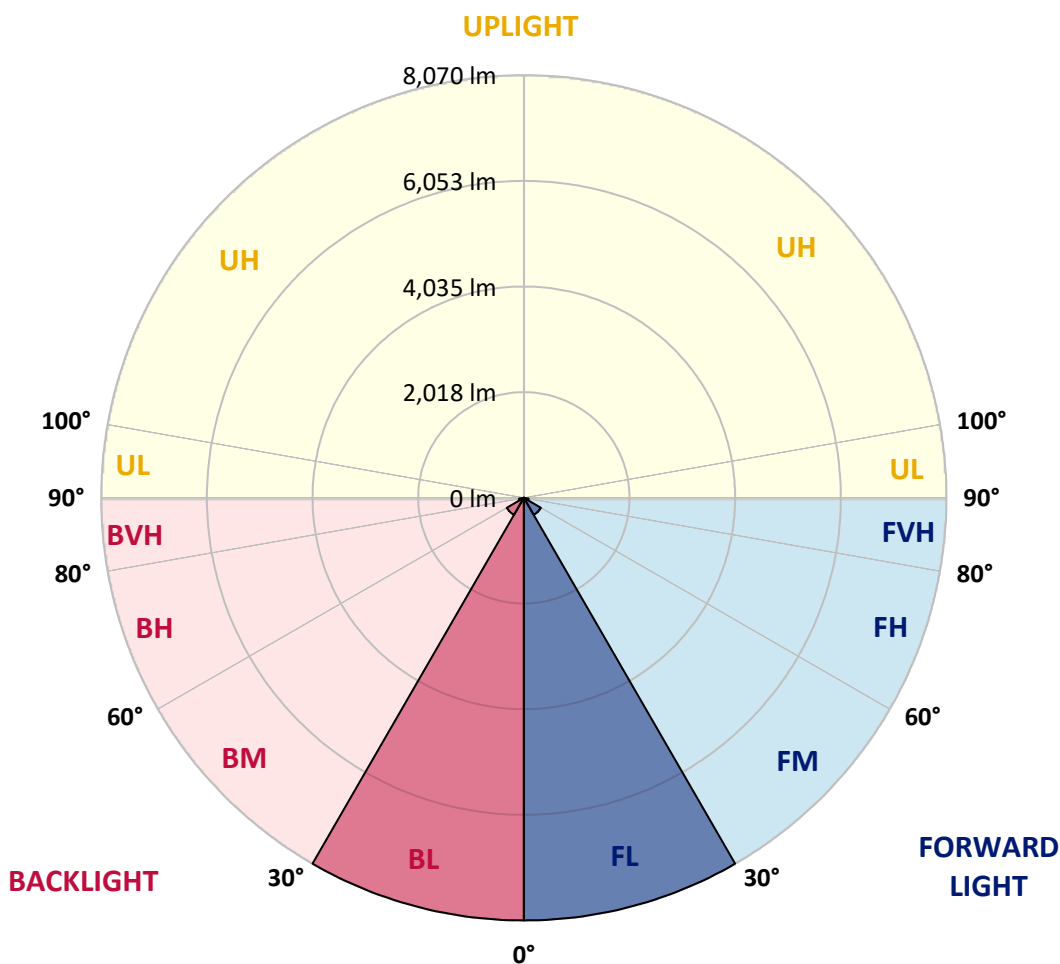


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8070.2	47.2			
FM (30°-60°)	376.3	2.2			
FH (60°-80°)	92.7	0.5			G0/660
FVH (80°-90°)	12.8	0.1			G1/100
BL (0°-30°)	8070.2	47.2	B5		
BM (30°-60°)	376.3	2.2	B1/1000		
BH (60°-80°)	92.7	0.5	B0/110		G0/660
BVH (80°-90°)	12.8	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°	243453.6	243453.6	243453.6	243453.6	243453.6	243453.6	243453.6	243453.6	243453.6	243453.6
1°	237409.2	237732.1	237372.6	239188.4	239937.8	240327.8	240373.5	241397.1	240608.1	240827.4
2°	224897.0	225616.0	224412.6	225576.4	227903.9	228784.4	227349.5	229122.6	228488.9	228857.5
3°	203872.7	204753.1	203089.7	204512.5	207507.2	208177.5	205825.5	208345.0	208281.0	208811.1
4°	176773.5	178202.4	175826.1	177510.8	178836.1	181169.7	178890.9	181757.7	181702.9	182622.9
5°	146012.4	147557.0	145491.5	147240.2	148495.4	149363.6	148528.9	151700.4	151901.4	152852.0
6°	115912.4	117353.4	115047.2	116716.7	118706.1	119062.6	118846.3	121576.0	122182.2	121441.9
7°	89206.3	89565.8	89203.2	90720.4	92316.8	92374.7	92655.0	95055.7	95588.8	95332.9
8°	68319.1	66673.9	68087.5	68891.8	69385.4	71652.0	71819.6	73029.1	74010.1	74080.1
9°	52004.8	50481.5	52117.5	52437.4	53570.7	55584.5	55331.6	56653.8	57269.2	57229.6
10°	39647.9	38874.1	39693.6	40047.0	40979.3	42685.3	42980.9	43587.1	44044.1	44342.7
12.5°	21514.8	21694.5	22169.8	22541.5	23796.7	24250.6	24433.4	24485.2	24482.1	24530.9
15°	13365.3	13511.5	13843.6	14516.9	15281.5	15845.2	15924.4	15631.9	15379.0	15339.4
17.5°	8335.4	8277.5	9057.4	9794.7	10714.7	11007.2	10702.6	10367.4	10023.2	9825.2
20°	5002.4	5042.1	5307.1	5636.1	6379.5	6885.2	6568.4	6227.2	5870.7	5636.1
22.5°	2842.4	2885.1	3000.9	3171.5	3454.8	3914.8	3713.8	3369.5	3116.6	3013.0
25°	1678.7	1678.7	1748.7	1824.9	1943.7	2050.3	2007.7	1824.9	1675.6	1633.0
27.5°	1087.6	1078.5	1102.9	1139.4	1194.3	1200.3	1151.6	1096.8	1020.6	993.2
30°	795.2	798.2	795.2	810.4	807.3	786.0	755.5	758.6	728.1	725.1
32.5°	645.9	648.9	648.9	645.9	630.6	597.1	575.8	597.1	591.0	584.9
35°	536.2	539.2	569.7	566.7	542.3	505.7	490.5	514.9	533.1	505.7
37.5°	463.1	466.1	490.5	502.7	472.2	447.8	429.6	450.9	478.3	447.8
40°	408.2	411.3	417.4	420.4	405.2	393.0	383.9	390.0	402.1	386.9
42.5°	359.5	356.4	359.5	356.4	338.2	344.3	338.2	329.0	338.2	326.0
45°	313.8	313.8	313.8	304.7	286.4	298.6	292.5	283.3	286.4	277.2
47.5°	286.4	286.4	286.4	274.2	259.0	259.0	262.0	246.8	249.8	246.8
50°	259.0	259.0	265.1	252.9	240.7	231.5	234.6	222.4	225.4	222.4
52.5°	237.6	237.6	237.6	231.5	222.4	216.3	210.2	204.1	201.1	198.0
55°	228.5	228.5	225.4	207.2	204.1	198.0	185.8	182.8	176.7	173.7
57.5°	213.3	213.3	210.2	195.0	182.8	182.8	164.5	161.5	152.3	152.3
60°	188.9	188.9	185.8	182.8	167.6	158.4	146.2	140.1	131.0	128.0
62.5°	179.7	179.7	173.7	158.4	155.4	140.1	128.0	115.8	109.7	103.6
65°	167.6	164.5	161.5	146.2	134.0	124.9	109.7	94.4	88.4	76.2
67.5°	149.3	149.3	146.2	134.0	121.9	106.6	91.4	79.2	64.0	54.8
70°	131.0	128.0	128.0	115.8	106.6	94.4	73.1	60.9	45.7	36.6
72.5°	109.7	109.7	106.6	97.5	91.4	82.3	64.0	48.7	30.5	24.4
75°	88.4	88.4	85.3	79.2	76.2	67.0	54.8	42.7	24.4	12.2
77.5°	73.1	70.1	70.1	64.0	60.9	54.8	45.7	33.5	18.3	9.1
80°	54.8	54.8	57.9	54.8	48.7	45.7	39.6	30.5	15.2	6.1
82.5°	39.6	39.6	42.7	42.7	42.7	39.6	39.6	30.5	15.2	3.0
85°	27.4	27.4	33.5	30.5	30.5	33.5	48.7	39.6	12.2	3.0
87.5°	15.2	15.2	15.2	12.2	12.2	15.2	18.3	15.2	6.1	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
243453.6  
239215.8  
227541.4  
207388.4  
181008.3  
151036.2  
121518.1  
94982.6  
73196.6  
58161.9  
44519.4  
24570.5  
15217.6  
9794.7  
5687.9  
3025.2  
1626.9  
993.2  
722.0  
572.8  
499.6  
444.8  
380.8  
326.0  
277.2  
246.8  
222.4  
198.0  
170.6  
152.3  
121.9  
100.5  
73.1  
54.8  
36.6  
21.3  
12.2  
6.1  
3.0  
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