

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: P635998

Luminaire Tested: **IFLD-M-SA4A-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635998
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-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: 11109.7 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

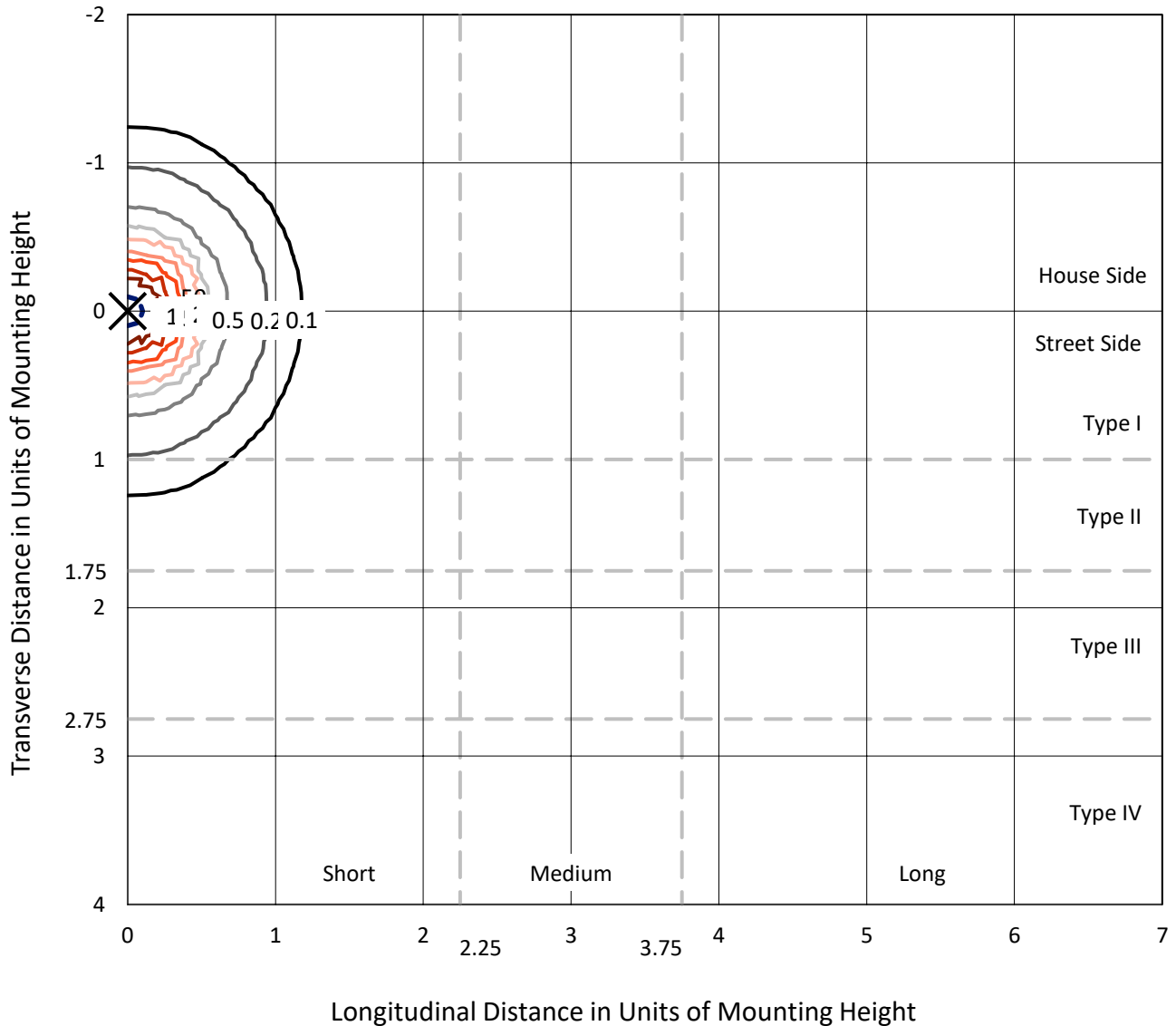
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

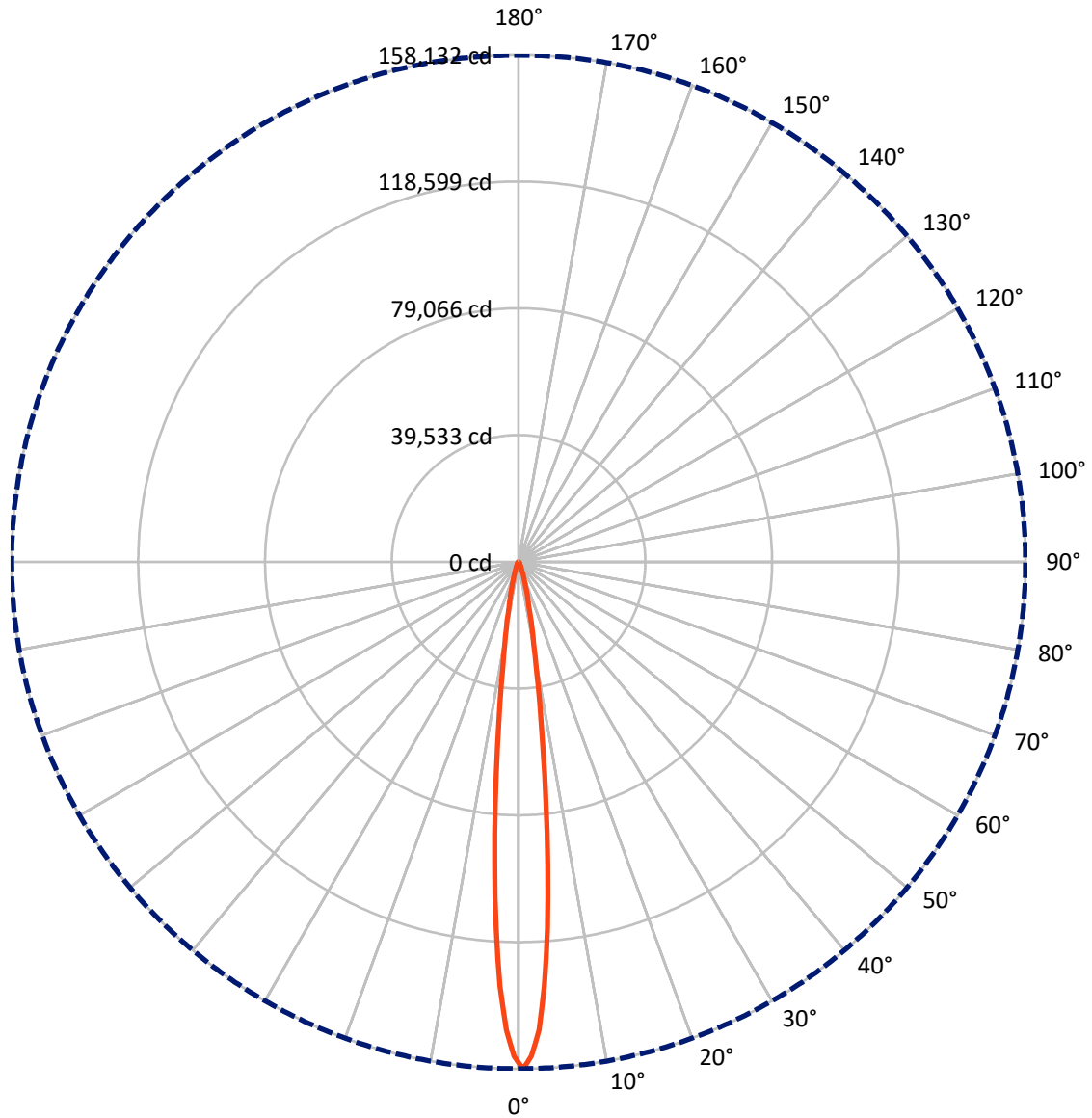
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 395.3 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
House Side	Lumens	5554.8	0.0	5554.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5554.8	0.0	5554.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11109.7	0.0	11109.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6772.2	61.0
10°-20°	3034.0	27.3
20°-30°	677.6	6.1
30°-40°	221.2	2.0
40°-50°	152.5	1.4
50°-60°	115.2	1.0
60°-70°	78.9	0.7
70°-80°	41.5	0.4
80°-90°	16.6	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°	11109.7	100.0
0°-180°	11109.7	100.0

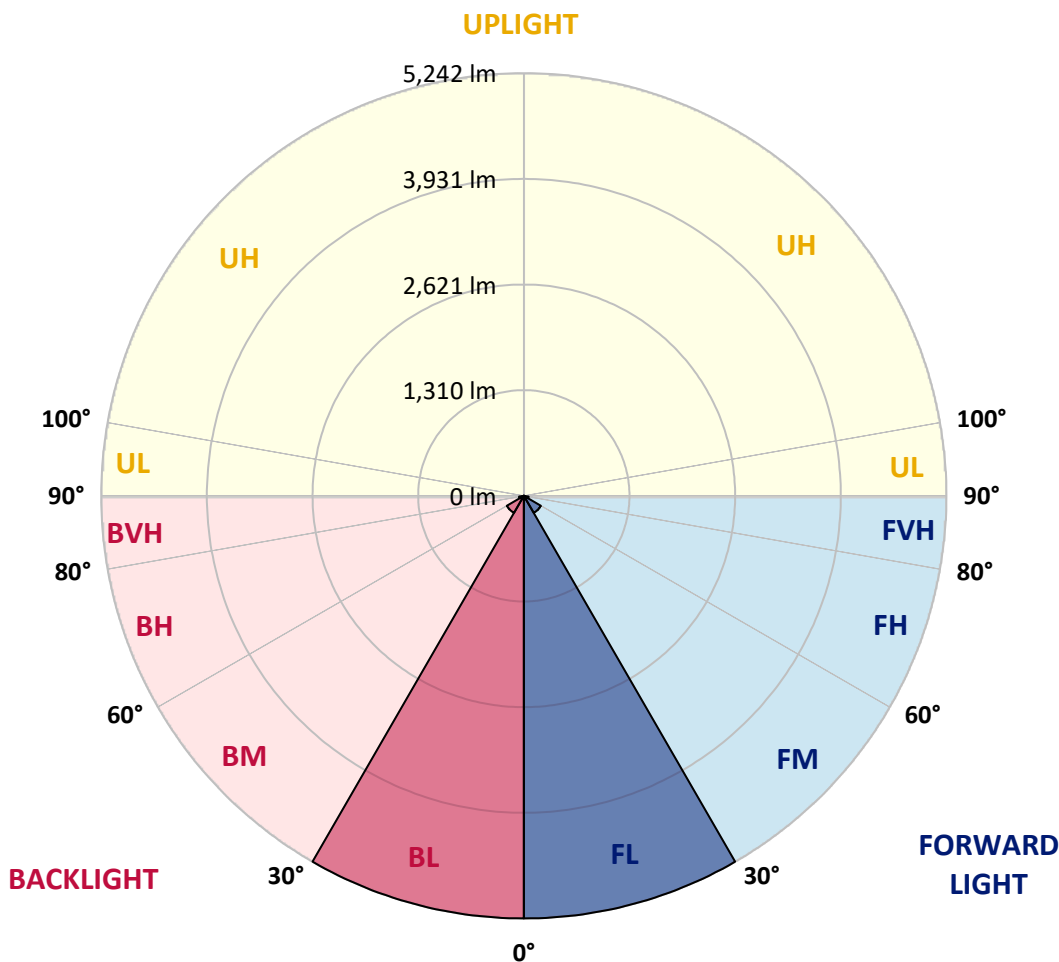


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5241.9	47.2			
FM (30°-60°)	244.4	2.2			
FH (60°-80°)	60.2	0.5			G0/660
FVH (80°-90°)	8.3	0.1			G0/10
BL (0°-30°)	5241.9	47.2	B5		
BM (30°-60°)	244.4	2.2	B1/1000		
BH (60°-80°)	60.2	0.5	B0/110		G0/660
BVH (80°-90°)	8.3	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°	158131.6	158131.6	158131.6	158131.6	158131.6	158131.6	158131.6	158131.6	158131.6	158131.6
1°	154205.5	154415.3	154181.8	155361.2	155848.0	156101.3	156131.0	156795.8	156283.3	156425.8
2°	146078.4	146545.4	145763.8	146519.7	148031.5	148603.4	147671.4	148823.1	148411.5	148650.9
3°	132422.4	132994.3	131913.8	132838.0	134783.2	135218.5	133690.8	135327.3	135285.8	135630.1
4°	114820.6	115748.6	114205.1	115299.4	116160.2	117676.0	116195.9	118058.0	118022.3	118619.9
5°	94840.2	95843.4	94501.8	95637.6	96452.9	97016.9	96474.7	98534.7	98665.3	99282.7
6°	75289.2	76225.1	74727.2	75811.6	77103.8	77335.3	77194.8	78967.8	79361.6	78880.8
7°	57942.6	58176.1	57940.6	58926.1	59963.0	60000.6	60182.6	61742.0	62088.3	61922.0
8°	44375.6	43307.0	44225.2	44747.6	45068.2	46540.5	46649.3	47434.9	48072.1	48117.6
9°	33778.9	32789.5	33852.1	34059.9	34796.0	36104.0	35939.8	36798.6	37198.3	37172.6
10°	25752.7	25250.1	25782.4	26011.9	26617.5	27725.6	27917.6	28311.3	28608.2	28802.1
12.5°	13974.6	14091.4	14400.1	14641.5	15456.8	15751.6	15870.3	15904.0	15902.0	15933.7
15°	8681.2	8776.2	8991.9	9429.2	9925.9	10292.0	10343.4	10153.5	9989.2	9963.5
17.5°	5414.1	5376.5	5883.1	6362.0	6959.6	7149.6	6951.7	6734.0	6510.4	6381.8
20°	3249.3	3275.0	3447.1	3660.9	4143.7	4472.2	4266.4	4044.8	3813.2	3660.9
22.5°	1846.3	1874.0	1949.2	2060.0	2244.0	2542.8	2412.2	2188.6	2024.4	1957.1
25°	1090.3	1090.3	1135.9	1185.3	1262.5	1331.8	1304.1	1185.3	1088.4	1060.7
27.5°	706.4	700.5	716.3	740.1	775.7	779.7	748.0	712.4	662.9	645.1
30°	516.5	518.5	516.5	526.4	524.4	510.5	490.8	492.7	472.9	471.0
32.5°	419.5	421.5	421.5	419.5	409.6	387.9	374.0	387.9	383.9	379.9
35°	348.3	350.3	370.0	368.1	352.2	328.5	318.6	334.4	346.3	328.5
37.5°	300.8	302.8	318.6	326.5	306.7	290.9	279.0	292.9	310.7	290.9
40°	265.2	267.1	271.1	273.1	263.2	255.3	249.3	253.3	261.2	251.3
42.5°	233.5	231.5	233.5	231.5	219.7	223.6	219.7	213.7	219.7	211.7
45°	203.8	203.8	203.8	197.9	186.0	193.9	190.0	184.0	186.0	180.1
47.5°	186.0	186.0	186.0	178.1	168.2	168.2	170.2	160.3	162.3	160.3
50°	168.2	168.2	172.2	164.2	156.3	150.4	152.4	144.5	146.4	144.5
52.5°	154.3	154.3	154.3	150.4	144.5	140.5	136.5	132.6	130.6	128.6
55°	148.4	148.4	146.4	134.6	132.6	128.6	120.7	118.7	114.8	112.8
57.5°	138.5	138.5	136.5	126.6	118.7	118.7	106.9	104.9	98.9	98.9
60°	122.7	122.7	120.7	118.7	108.8	102.9	95.0	91.0	85.1	83.1
62.5°	116.8	116.8	112.8	102.9	100.9	91.0	83.1	75.2	71.2	67.3
65°	108.8	106.9	104.9	95.0	87.1	81.1	71.2	61.3	57.4	49.5
67.5°	97.0	97.0	95.0	87.1	79.2	69.3	59.4	51.4	41.6	35.6
70°	85.1	83.1	83.1	75.2	69.3	61.3	47.5	39.6	29.7	23.7
72.5°	71.2	71.2	69.3	63.3	59.4	53.4	41.6	31.7	19.8	15.8
75°	57.4	57.4	55.4	51.4	49.5	43.5	35.6	27.7	15.8	7.9
77.5°	47.5	45.5	45.5	41.6	39.6	35.6	29.7	21.8	11.9	5.9
80°	35.6	35.6	37.6	35.6	31.7	29.7	25.7	19.8	9.9	4.0
82.5°	25.7	25.7	27.7	27.7	27.7	25.7	25.7	19.8	9.9	2.0
85°	17.8	17.8	21.8	19.8	19.8	21.8	31.7	25.7	7.9	2.0
87.5°	9.9	9.9	9.9	7.9	7.9	9.9	11.9	9.9	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°
158131.6
155379.0
147796.1
134706.0
117571.2
98103.3
78930.2
61694.5
47543.8
37778.1
28916.9
15959.4
9884.3
6362.0
3694.5
1965.0
1056.7
645.1
469.0
372.0
324.5
288.9
247.4
211.7
180.1
160.3
144.5
128.6
110.8
98.9
79.2
65.3
47.5
35.6
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13.9
7.9
4.0
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2.0
2.0
2.0
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