

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: P636144

Luminaire Tested: **IFLD-M-SA4B-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636144
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13837.5 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

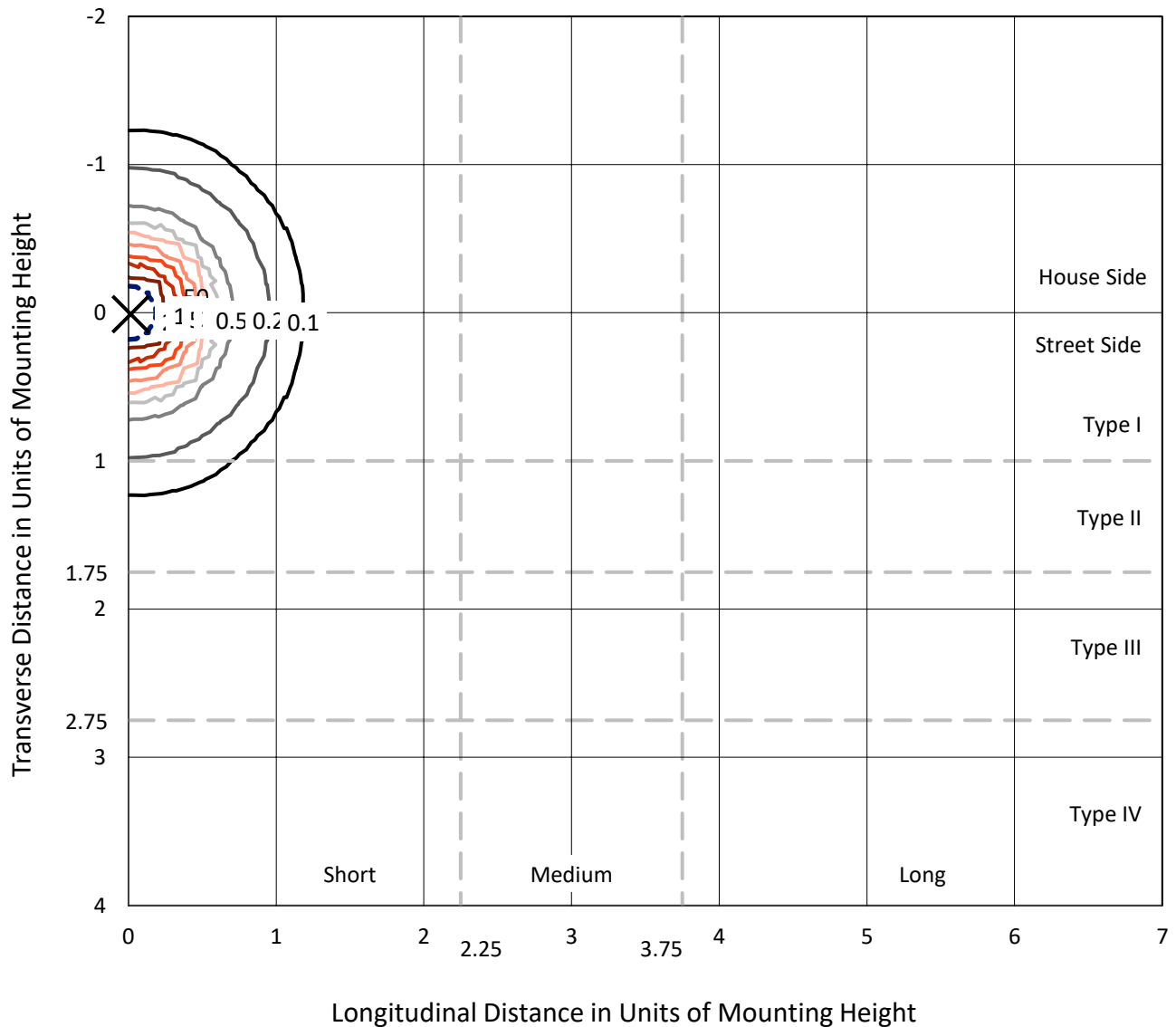
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

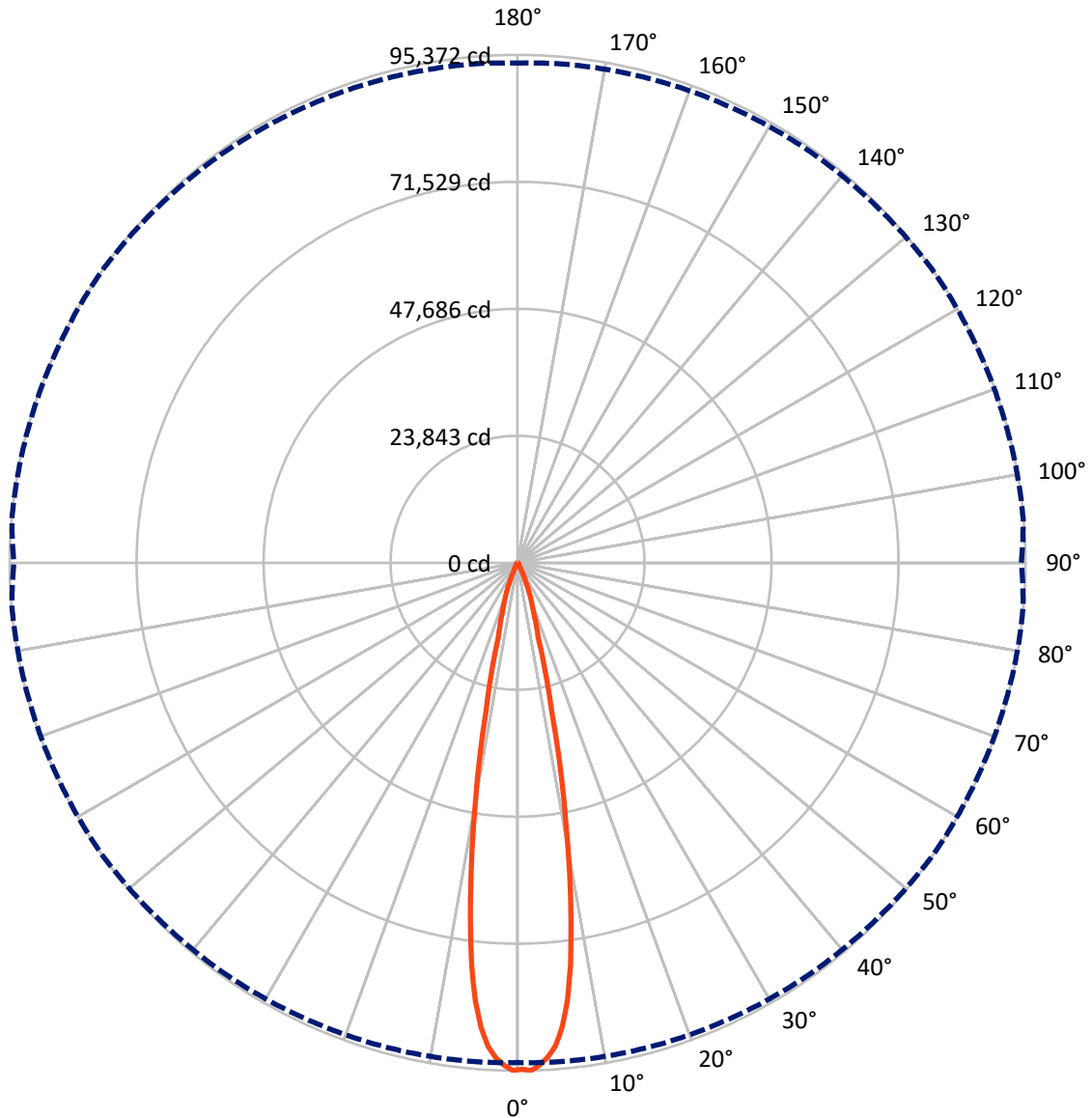
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 237.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6918.7	0.0	6918.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6918.7	0.0	6918.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	13837.5	0.0	13837.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7030.5	50.8
10°-20°	4982.6	36.0
20°-30°	1167.5	8.4
30°-40°	244.0	1.8
40°-50°	157.4	1.1
50°-60°	116.6	0.8
60°-70°	79.3	0.6
70°-80°	42.3	0.3
80°-90°	17.3	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°	13837.5	100.0
0°-180°	13837.5	100.0

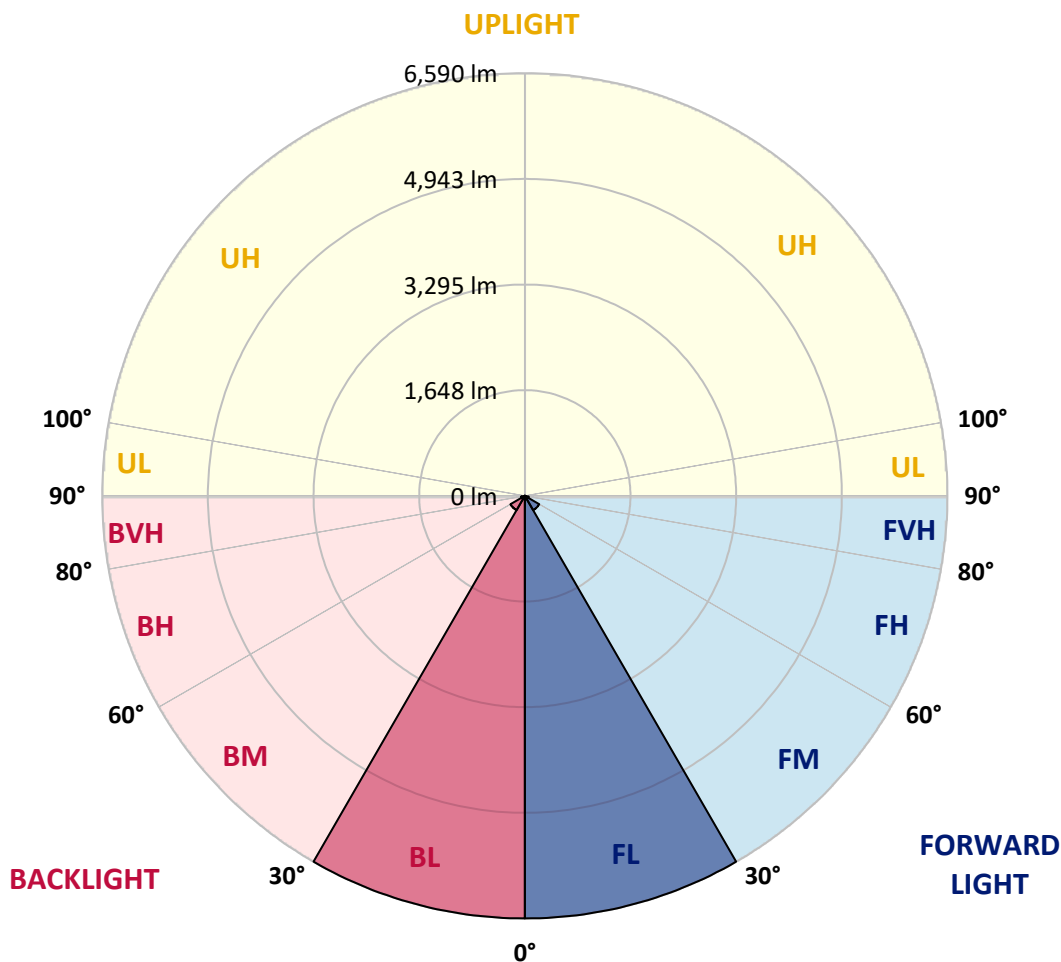


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6590.3	47.6			
FM (30°-60°)	259.0	1.9			
FH (60°-80°)	60.8	0.4			G0/660
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	6590.3	47.6	B5		
BM (30°-60°)	259.0	1.9	B1/1000		
BH (60°-80°)	60.8	0.4	B0/110		G0/660
BVH (80°-90°)	8.7	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°	95127.6	95127.6	95127.6	95127.6	95127.6	95127.6	95127.6	95127.6	95127.6	95127.6
1°	93847.7	94021.5	94234.4	94427.7	94718.9	94956.3	95372.3	95284.2	95271.9	95289.1
2°	92029.5	92247.3	92575.2	92768.5	93519.8	93828.1	94457.0	94643.0	94493.8	94662.6
3°	89305.8	89484.5	89998.4	90377.7	91351.6	92183.7	93025.5	93304.4	93130.7	93209.0
4°	86063.4	86246.9	86868.5	87641.8	89048.9	89971.4	90979.7	91229.3	90661.5	90700.7
5°	82204.2	82289.9	83050.9	83755.7	85439.3	86557.7	87514.5	87592.8	87074.0	86875.8
6°	77863.0	77708.8	78408.7	78707.3	80799.6	81939.9	82639.8	82549.3	82155.3	81986.4
7°	72704.4	72494.0	73059.3	72897.8	74750.3	75401.2	76074.2	75765.8	75452.6	75841.7
8°	66735.9	66618.4	66253.8	66914.5	67281.6	67864.0	67861.6	67682.9	67673.1	68321.6
9°	58058.3	59142.4	58821.8	59514.4	59421.4	59394.5	59215.8	59100.8	58611.4	59357.8
10°	48529.2	49238.8	49779.7	50812.4	50611.7	50895.6	49902.0	50070.9	49745.4	50362.1
12.5°	25119.9	25917.6	26385.0	27173.0	28039.3	28925.2	28638.8	28342.7	27899.8	28443.1
15°	12365.4	12681.1	12830.3	13630.6	14247.2	14469.9	14504.2	14242.3	14129.8	14247.2
17.5°	7588.6	7698.7	8131.8	9052.0	9585.4	9717.6	9631.9	9345.6	9025.0	8890.4
20°	5493.8	5525.6	5689.6	5868.2	6580.4	6952.3	6815.3	6533.9	6237.8	6098.3
22.5°	3587.5	3619.3	3673.2	3771.0	3961.9	4422.0	4272.7	4081.8	3881.2	3839.6
25°	2031.1	2031.1	2087.4	2187.7	2329.7	2363.9	2393.3	2190.2	2097.2	2055.6
27.5°	1133.0	1140.4	1152.6	1191.8	1262.7	1255.4	1223.6	1169.7	1106.1	1040.0
30°	626.5	633.8	641.1	650.9	663.2	641.1	621.6	611.8	584.9	577.5
32.5°	469.9	469.9	474.7	472.3	460.1	433.1	420.9	435.6	433.1	420.9
35°	386.6	386.6	391.5	401.3	376.9	357.3	347.5	367.1	367.1	359.7
37.5°	315.7	318.1	320.6	332.8	325.5	303.4	301.0	305.9	308.3	305.9
40°	276.5	274.1	274.1	276.5	271.6	266.7	261.8	259.4	261.8	259.4
42.5°	239.8	237.4	242.3	237.4	227.6	230.0	230.0	222.7	225.1	220.2
45°	210.5	208.0	210.5	205.6	198.2	200.7	200.7	190.9	190.9	188.4
47.5°	186.0	186.0	186.0	188.4	176.2	173.7	176.2	173.7	166.4	164.0
50°	161.5	164.0	166.4	171.3	159.1	154.2	154.2	154.2	149.3	146.8
52.5°	149.3	151.7	151.7	151.7	144.4	139.5	139.5	137.0	134.6	132.1
55°	144.4	144.4	144.4	134.6	132.1	129.7	122.4	119.9	117.5	117.5
57.5°	137.0	137.0	134.6	127.3	119.9	119.9	110.1	107.7	105.2	105.2
60°	122.4	122.4	122.4	119.9	110.1	107.7	97.9	93.0	90.5	90.5
62.5°	112.6	112.6	112.6	102.8	100.3	93.0	85.6	78.3	75.9	71.0
65°	102.8	102.8	102.8	93.0	88.1	80.8	71.0	63.6	58.7	51.4
67.5°	95.4	95.4	93.0	85.6	78.3	68.5	58.7	51.4	41.6	36.7
70°	83.2	83.2	80.8	75.9	68.5	61.2	48.9	39.2	31.8	24.5
72.5°	71.0	71.0	68.5	63.6	58.7	51.4	41.6	34.3	22.0	17.1
75°	58.7	58.7	56.3	51.4	48.9	44.0	36.7	26.9	17.1	7.3
77.5°	48.9	48.9	46.5	44.0	41.6	36.7	31.8	22.0	12.2	4.9
80°	36.7	39.2	39.2	39.2	34.3	31.8	29.4	22.0	9.8	2.4
82.5°	26.9	29.4	29.4	29.4	26.9	24.5	26.9	19.6	9.8	2.4
85°	19.6	19.6	22.0	22.0	22.0	22.0	29.4	22.0	7.3	2.4
87.5°	9.8	9.8	9.8	9.8	9.8	12.2	14.7	12.2	4.9	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
95127.6
94606.3
94021.5
92621.7
90118.3
86462.2
81607.1
75721.8
66523.0
57965.3
48781.2
26972.3
13699.1
8702.0
5990.6
3753.9
2021.3
1042.5
577.5
413.6
357.3
305.9
261.8
222.7
188.4
164.0
144.4
129.7
115.0
105.2
88.1
66.1
51.4
34.3
24.5
14.7
7.3
2.4
2.4
2.4
2.4
0.0
0.0

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