

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: P636202

Luminaire Tested: **IFLD-M-SA4B-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636202
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14512.9 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

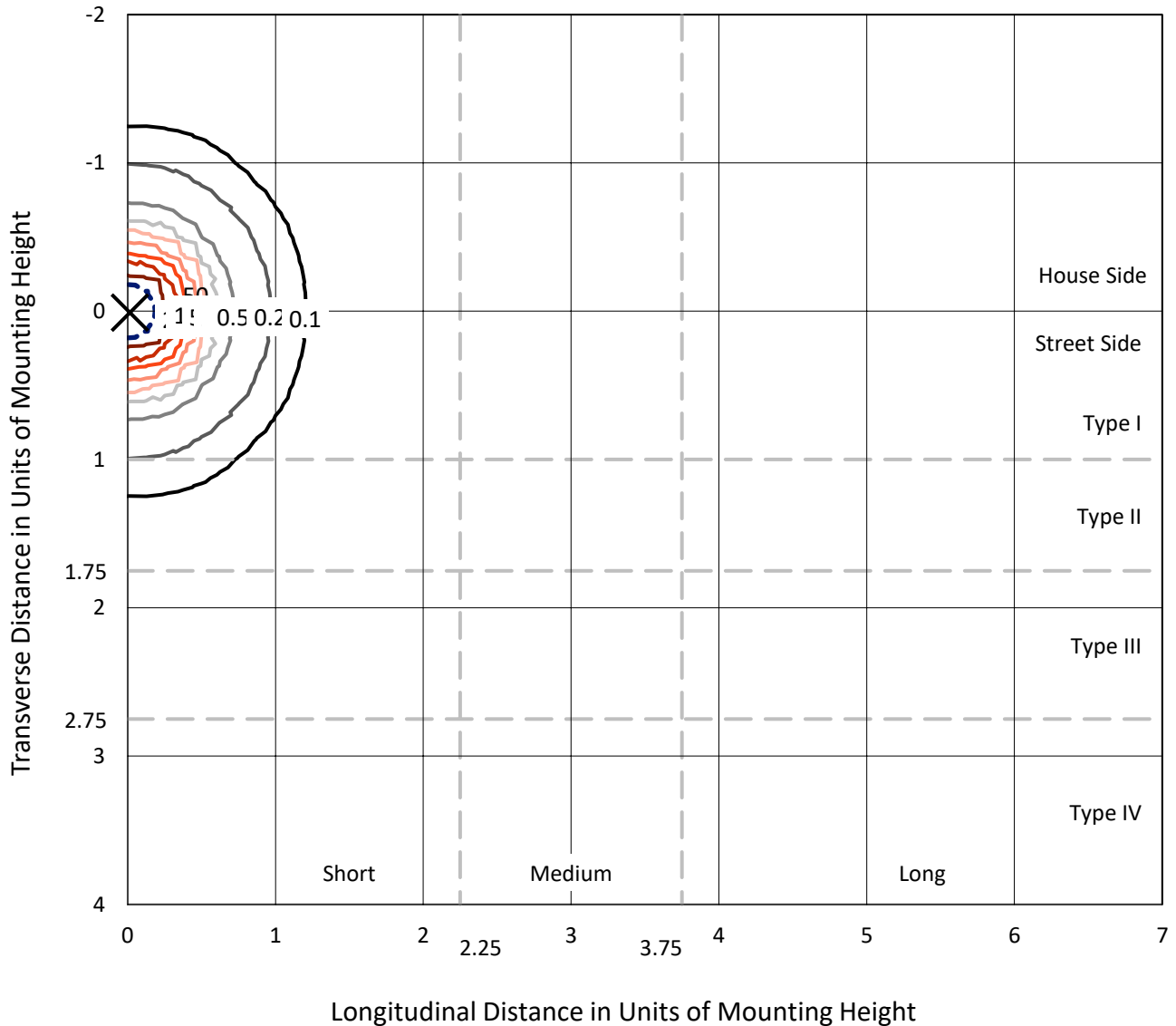
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

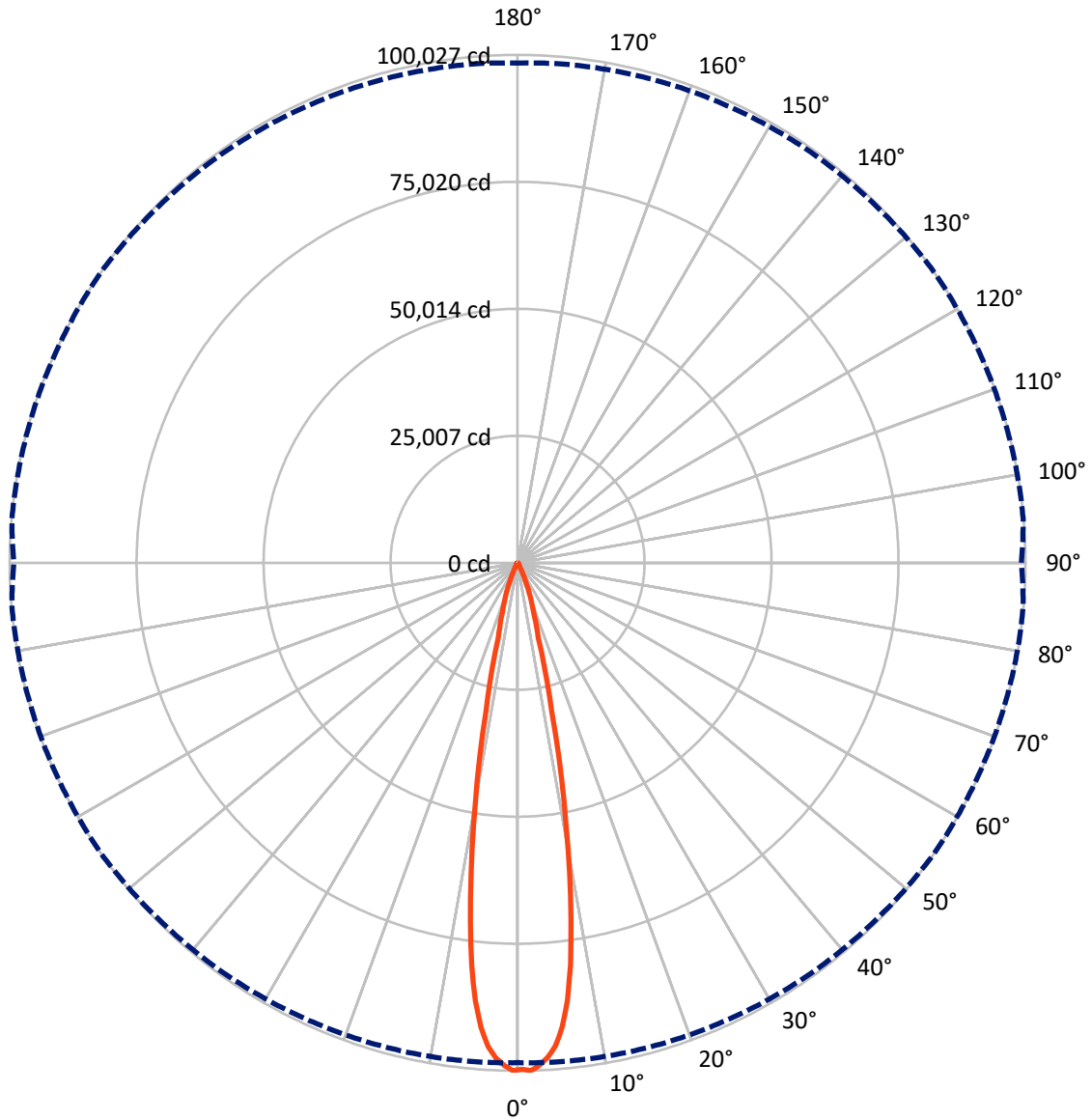
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 249.4 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	7256.4	0.0	7256.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7256.4	0.0	7256.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14512.9	0.0	14512.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7373.6	50.8
10°-20°	5225.8	36.0
20°-30°	1224.5	8.4
30°-40°	255.9	1.8
40°-50°	165.1	1.1
50°-60°	122.3	0.8
60°-70°	83.1	0.6
70°-80°	44.4	0.3
80°-90°	18.2	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°	14512.9	100.0
0°-180°	14512.9	100.0

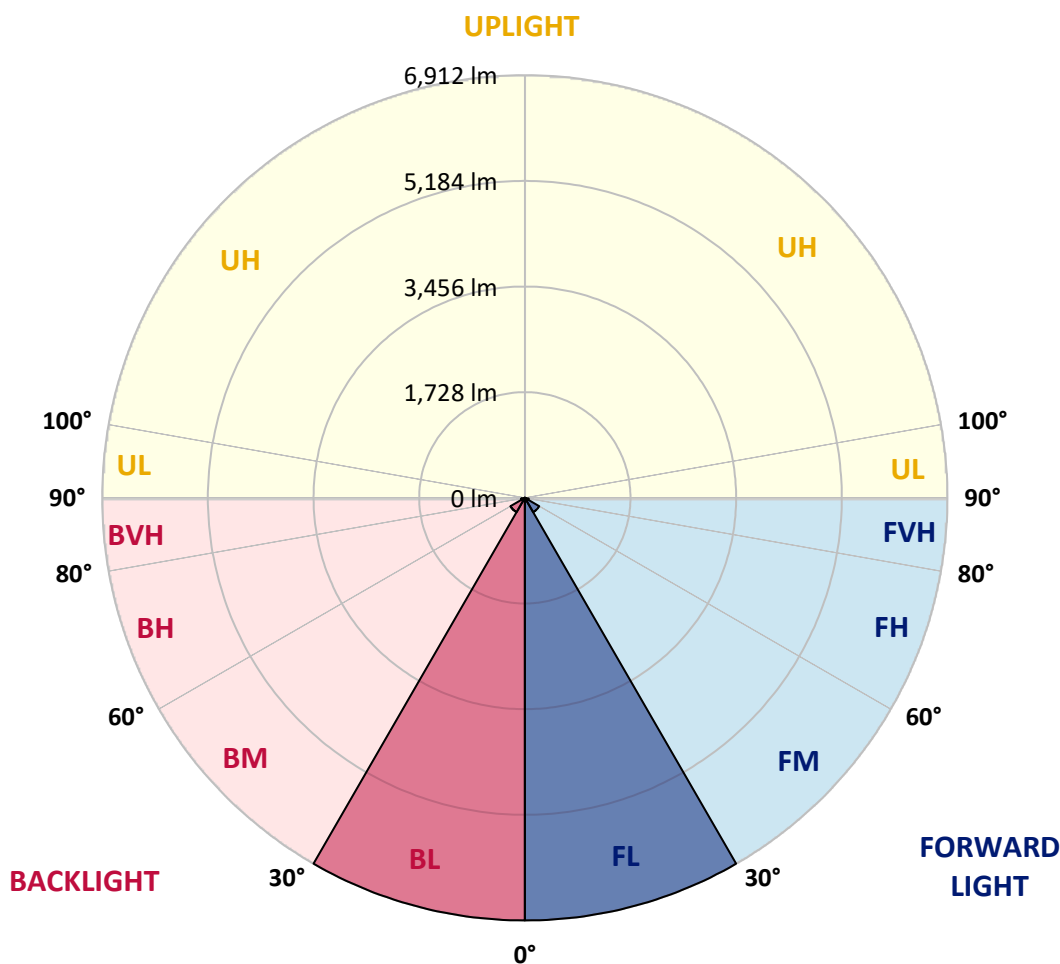


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6911.9	47.6			
FM (30°-60°)	271.7	1.9			
FH (60°-80°)	63.7	0.4			G0/660
FVH (80°-90°)	9.1	0.1			G0/10
BL (0°-30°)	6911.9	47.6	B5		
BM (30°-60°)	271.7	1.9	B1/1000		
BH (60°-80°)	63.7	0.4	B0/110		G0/660
BVH (80°-90°)	9.1	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°	99770.5	99770.5	99770.5	99770.5	99770.5	99770.5	99770.5	99770.5	99770.5	99770.5
1°	98428.2	98610.4	98833.7	99036.5	99341.9	99590.8	100027.2	99934.8	99921.9	99939.9
2°	96521.2	96749.6	97093.6	97296.3	98084.3	98407.6	99067.3	99262.3	99105.8	99282.8
3°	93664.6	93852.0	94391.0	94788.8	95810.3	96682.9	97565.8	97858.4	97676.2	97758.3
4°	90263.9	90456.4	91108.3	91919.3	93395.1	94362.7	95420.1	95681.9	95086.5	95127.6
5°	86216.4	86306.2	87104.4	87843.6	89609.4	90782.3	91785.9	91868.0	91323.9	91116.0
6°	81663.3	81501.6	82235.7	82548.8	84743.2	85939.2	86673.3	86578.3	86165.1	85988.0
7°	76253.0	76032.2	76625.1	76455.7	78398.6	79081.3	79787.1	79463.7	79135.2	79543.3
8°	69993.1	69869.9	69487.5	70180.4	70565.4	71176.3	71173.7	70986.3	70976.1	71656.2
9°	60892.0	62029.0	61692.8	62419.1	62321.6	62293.4	62106.0	61985.4	61472.1	62254.9
10°	50897.8	51642.1	52209.3	53292.4	53081.9	53379.6	52337.6	52514.7	52173.3	52820.1
12.5°	26345.9	27182.6	27672.8	28499.3	29407.8	30336.9	30036.6	29726.1	29261.5	29831.3
15°	12968.9	13300.0	13456.6	14295.8	14942.6	15176.2	15212.1	14937.5	14819.4	14942.6
17.5°	7959.0	8074.4	8528.7	9493.8	10053.3	10191.9	10102.0	9801.8	9465.5	9324.4
20°	5762.0	5795.3	5967.3	6154.6	6901.5	7291.6	7147.9	6852.8	6542.2	6395.9
22.5°	3762.6	3796.0	3852.4	3955.1	4155.3	4637.8	4481.2	4281.0	4070.6	4027.0
25°	2130.3	2130.3	2189.3	2294.5	2443.4	2479.3	2510.1	2297.1	2199.6	2155.9
27.5°	1188.3	1196.0	1208.9	1249.9	1324.4	1316.7	1283.3	1226.8	1160.1	1090.8
30°	657.0	664.7	672.4	682.7	695.5	672.4	651.9	641.6	613.4	605.7
32.5°	492.8	492.8	497.9	495.3	482.5	454.3	441.5	456.9	454.3	441.5
35°	405.5	405.5	410.7	420.9	395.3	374.7	364.5	385.0	385.0	377.3
37.5°	331.1	333.7	336.2	349.1	341.4	318.3	315.7	320.8	323.4	320.8
40°	290.0	287.5	287.5	290.0	284.9	279.8	274.6	272.1	274.6	272.1
42.5°	251.5	249.0	254.1	249.0	238.7	241.3	241.3	233.6	236.1	231.0
45°	220.7	218.2	220.7	215.6	207.9	210.5	210.5	200.2	200.2	197.6
47.5°	195.1	195.1	195.1	197.6	184.8	182.2	184.8	182.2	174.5	172.0
50°	169.4	172.0	174.5	179.7	166.8	161.7	161.7	161.7	156.6	154.0
52.5°	156.6	159.1	159.1	159.1	151.4	146.3	146.3	143.7	141.2	138.6
55°	151.4	151.4	151.4	141.2	138.6	136.0	128.3	125.8	123.2	123.2
57.5°	143.7	143.7	141.2	133.5	125.8	125.8	115.5	112.9	110.4	110.4
60°	128.3	128.3	128.3	125.8	115.5	112.9	102.7	97.5	95.0	95.0
62.5°	118.1	118.1	118.1	107.8	105.2	97.5	89.8	82.1	79.6	74.4
65°	107.8	107.8	107.8	97.5	92.4	84.7	74.4	66.7	61.6	53.9
67.5°	100.1	100.1	97.5	89.8	82.1	71.9	61.6	53.9	43.6	38.5
70°	87.3	87.3	84.7	79.6	71.9	64.2	51.3	41.1	33.4	25.7
72.5°	74.4	74.4	71.9	66.7	61.6	53.9	43.6	35.9	23.1	18.0
75°	61.6	61.6	59.0	53.9	51.3	46.2	38.5	28.2	18.0	7.7
77.5°	51.3	51.3	48.8	46.2	43.6	38.5	33.4	23.1	12.8	5.1
80°	38.5	41.1	41.1	41.1	35.9	33.4	30.8	23.1	10.3	2.6
82.5°	28.2	30.8	30.8	30.8	28.2	25.7	28.2	20.5	10.3	2.6
85°	20.5	20.5	23.1	23.1	23.1	23.1	30.8	23.1	7.7	2.6
87.5°	10.3	10.3	10.3	10.3	10.3	12.8	15.4	12.8	5.1	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°
99770.5
99223.8
98610.4
97142.3
94516.7
90682.3
85590.2
79417.6
69769.8
60794.5
51162.1
28288.8
14367.7
9126.7
6283.0
3937.1
2120.0
1093.4
605.7
433.8
374.7
320.8
274.6
233.6
197.6
172.0
151.4
136.0
120.6
110.4
92.4
69.3
53.9
35.9
25.7
15.4
7.7
2.6
2.6
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