

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: P636312

Luminaire Tested: **IFLD-S-SA6A-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636312
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16149 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

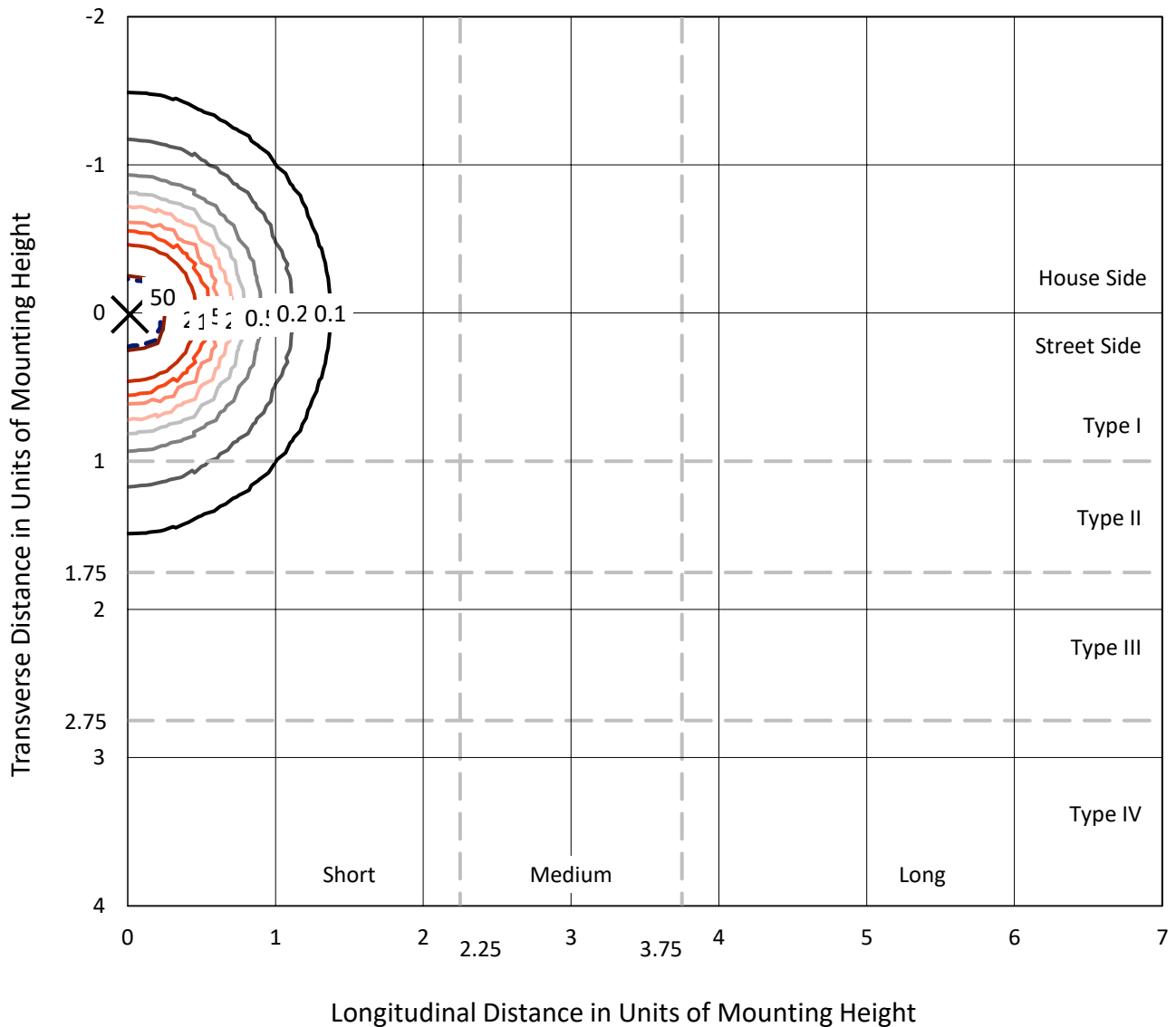
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

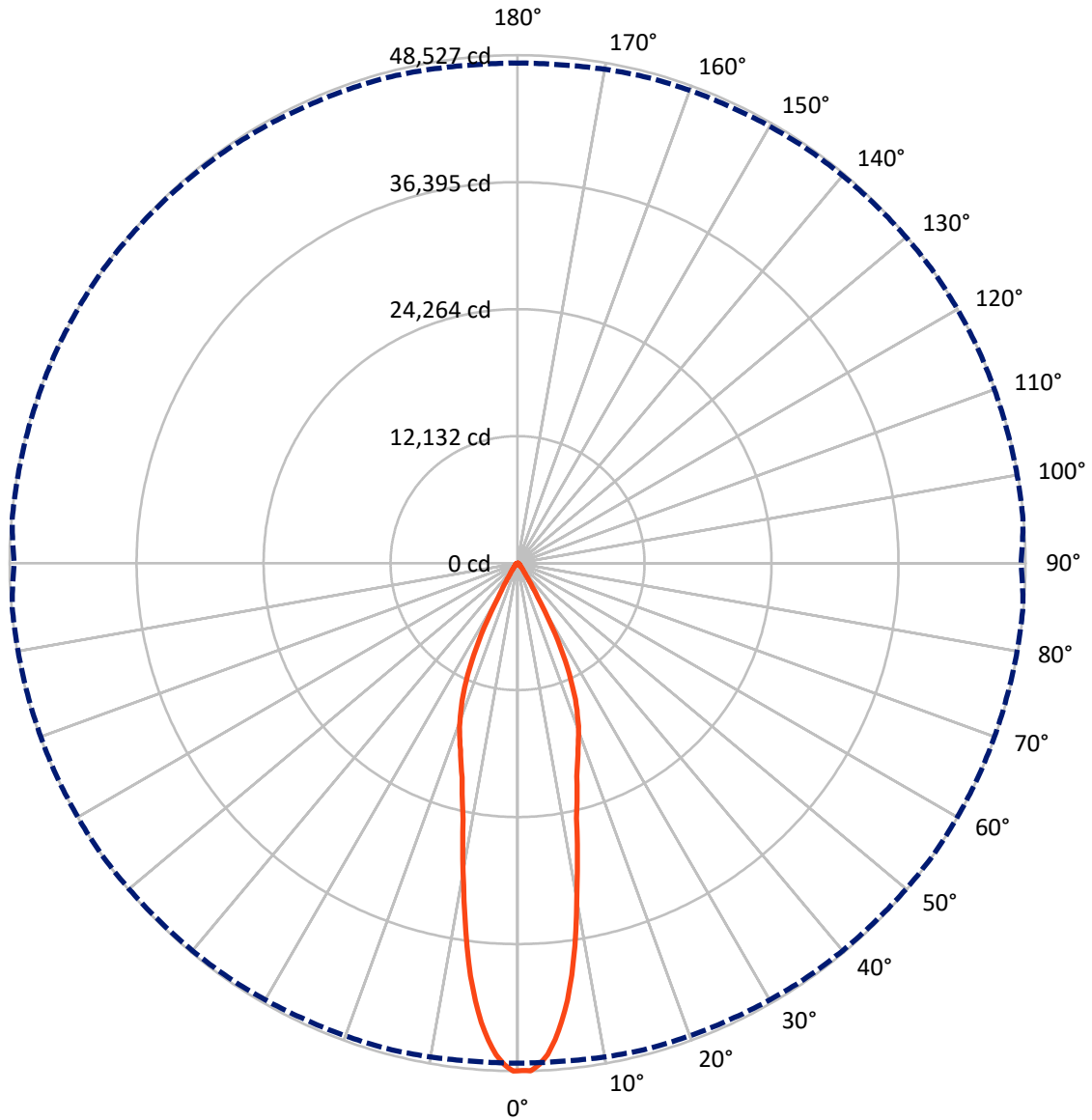
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 121.2 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	8074.5	0.0	8074.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8074.5	0.0	8074.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16149.0	0.0	16149.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3688.0	22.8
10°-20°	6023.5	37.3
20°-30°	4706.9	29.1
30°-40°	1026.0	6.4
40°-50°	303.8	1.9
50°-60°	190.0	1.2
60°-70°	132.9	0.8
70°-80°	57.0	0.4
80°-90°	21.1	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°	16149.0	100.0
0°-180°	16149.0	100.0



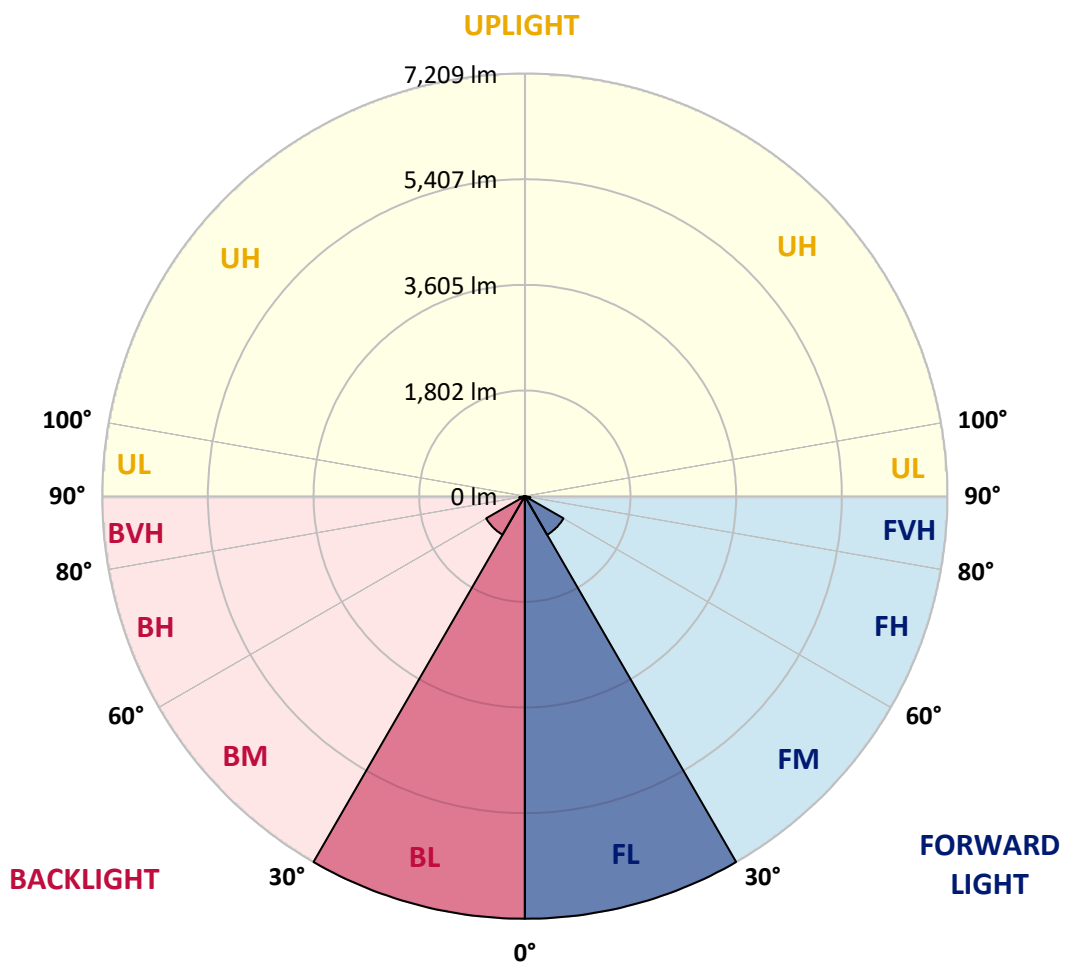
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7209.2	44.6			
FM (30°-60°)	759.9	4.7			
FH (60°-80°)	94.9	0.6			G0/660
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	7209.2	44.6	B5		
BM (30°-60°)	759.9	4.7	B1/1000		
BH (60°-80°)	94.9	0.6	B0/110		G0/660
BVH (80°-90°)	10.5	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°	48471.5	48471.5	48471.5	48471.5	48471.5	48471.5	48471.5	48471.5	48471.5	48471.5
1°	47769.9	47775.7	48035.9	48094.4	48272.7	48363.3	48527.0	48509.5	48459.8	48465.6
2°	46889.9	46851.9	47094.5	47363.5	47576.9	47752.3	47948.2	47989.1	47942.3	47986.2
3°	45442.8	45387.2	45726.3	46062.5	46433.8	46734.9	47030.2	47041.9	46986.4	46983.4
4°	43539.6	43437.2	43840.7	44440.0	44907.8	45308.3	45676.6	45670.8	45594.8	45656.2
5°	41238.8	41110.1	41633.4	42422.8	43115.7	43598.0	44004.4	43907.9	43732.5	43741.3
6°	38414.7	38540.4	39180.6	40288.6	41107.2	41507.7	42007.7	41826.4	41522.4	41490.2
7°	35760.2	36043.7	36555.3	37891.4	38864.9	39285.9	39709.8	39344.4	38932.1	38864.9
8°	32965.3	33438.9	34146.4	35377.2	36415.0	36838.9	36999.7	36608.0	36166.5	36149.0
9°	30699.6	31024.1	31632.2	32716.8	33772.2	34055.8	34090.8	33748.8	33307.3	33336.6
10°	28638.5	28699.9	29226.1	30158.7	31003.6	31205.4	31196.6	30948.1	30585.6	30682.0
12.5°	24025.3	24191.9	24343.9	24642.1	24925.7	25057.2	25007.6	24905.2	24706.4	24715.2
15°	20894.2	20891.3	20908.8	21046.2	21131.0	21145.6	21145.6	21017.0	20932.2	21057.9
17.5°	18131.5	18283.5	18555.4	18666.5	18777.6	18736.7	18660.6	18602.2	18546.6	18654.8
20°	15982.7	16050.0	16052.9	16126.0	16687.3	16716.5	16620.1	16453.4	16313.1	16286.8
22.5°	13565.0	13667.3	13711.2	13775.5	13834.0	14260.8	14146.8	13877.8	13711.2	13661.5
25°	10182.5	10147.4	10433.9	10960.2	11045.0	11097.6	11068.3	10928.0	10819.8	10840.3
27.5°	7036.8	7098.2	7086.5	7092.4	7650.8	7647.9	7639.1	7516.3	7484.1	7437.4
30°	3935.0	3905.8	3920.4	3882.4	3803.5	3899.9	3745.0	3876.6	3747.9	3788.8
32.5°	2327.1	2306.6	2286.2	2294.9	2236.5	2093.2	2031.8	2122.5	2093.2	2081.5
35°	1485.1	1493.9	1520.2	1517.3	1464.7	1382.8	1295.1	1377.0	1365.3	1330.2
37.5°	947.2	947.2	956.0	1032.0	988.1	918.0	856.6	891.7	888.7	882.9
40°	672.4	672.4	684.1	704.6	681.2	646.1	611.0	611.0	616.9	599.3
42.5°	499.9	499.9	511.6	523.3	494.1	482.4	464.8	453.1	467.8	453.1
45°	391.7	388.8	391.7	385.9	368.4	368.4	353.7	336.2	353.7	345.0
47.5°	321.6	318.7	315.7	304.0	286.5	289.4	283.6	269.0	277.7	274.8
50°	280.7	274.8	277.7	266.0	251.4	248.5	248.5	233.9	236.8	236.8
52.5°	245.6	245.6	242.6	236.8	231.0	219.3	222.2	207.6	207.6	207.6
55°	231.0	231.0	225.1	213.4	216.3	207.6	198.8	190.0	187.1	187.1
57.5°	228.0	228.0	225.1	213.4	204.6	201.7	190.0	178.3	169.6	172.5
60°	222.2	222.2	216.3	213.4	198.8	193.0	175.4	166.6	154.9	154.9
62.5°	213.4	210.5	198.8	181.3	181.3	166.6	154.9	137.4	128.6	125.7
65°	181.3	178.3	169.6	154.9	146.2	137.4	119.9	102.3	96.5	87.7
67.5°	149.1	149.1	143.3	128.6	122.8	111.1	90.6	78.9	64.3	58.5
70°	122.8	122.8	116.9	108.2	102.3	87.7	70.2	58.5	43.9	38.0
72.5°	99.4	99.4	93.6	87.7	81.9	73.1	58.5	43.9	29.2	23.4
75°	78.9	78.9	76.0	70.2	64.3	58.5	46.8	35.1	20.5	11.7
77.5°	64.3	64.3	61.4	58.5	52.6	46.8	38.0	29.2	14.6	5.8
80°	49.7	49.7	49.7	49.7	43.9	38.0	32.2	23.4	11.7	2.9
82.5°	35.1	35.1	38.0	43.9	35.1	29.2	29.2	23.4	8.8	2.9
85°	23.4	26.3	29.2	26.3	23.4	23.4	40.9	38.0	8.8	2.9
87.5°	11.7	11.7	11.7	11.7	11.7	8.8	11.7	8.8	5.8	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°
48471.5
48106.1
47641.2
46729.1
45366.7
43314.5
41063.4
38546.2
35508.7
32901.0
30342.9
24425.8
20765.6
18406.3
16117.2
13483.1
10770.1
7267.8
3838.5
2052.3
1292.2
871.2
593.5
450.2
345.0
274.8
239.7
207.6
184.2
172.5
146.2
119.9
84.8
55.5
35.1
20.5
8.8
5.8
2.9
2.9
2.9
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0.0

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