

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: P636172

Luminaire Tested: **IFLD-M-SA4A-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636172
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11310.5 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

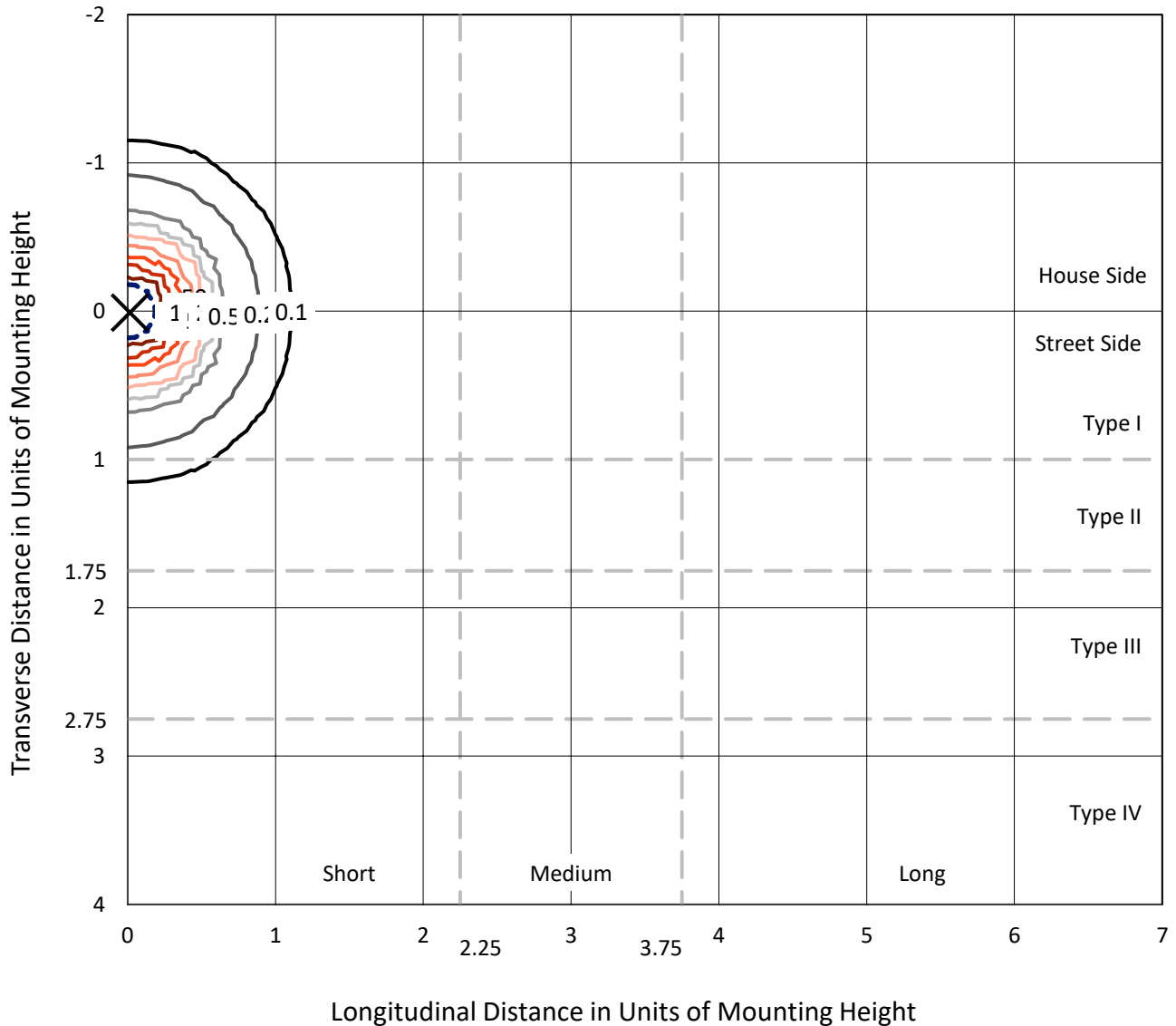
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

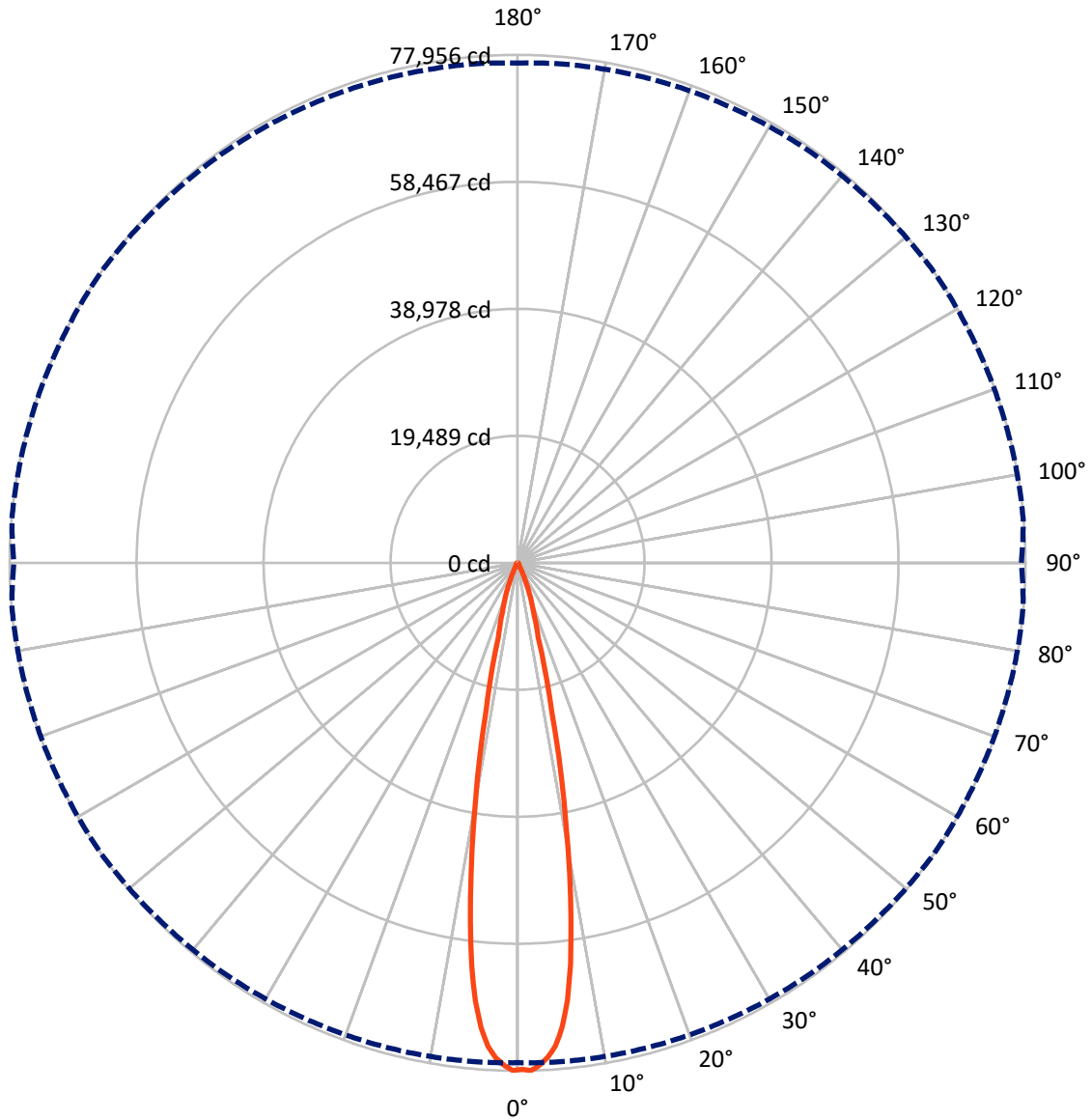
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 194.4 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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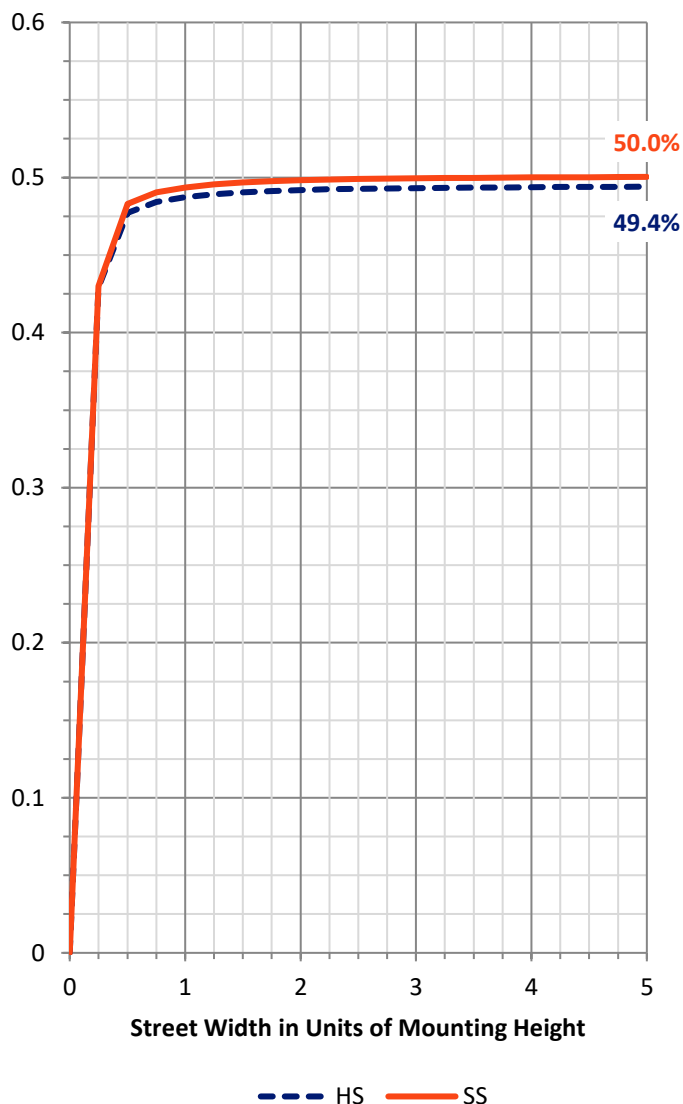
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5655.2	0.0	5655.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5655.2	0.0	5655.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	11310.5	0.0	11310.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5746.6	50.8
10°-20°	4072.7	36.0
20°-30°	954.3	8.4
30°-40°	199.4	1.8
40°-50°	128.7	1.1
50°-60°	95.3	0.8
60°-70°	64.8	0.6
70°-80°	34.6	0.3
80°-90°	14.2	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°	11310.5	100.0
0°-180°	11310.5	100.0

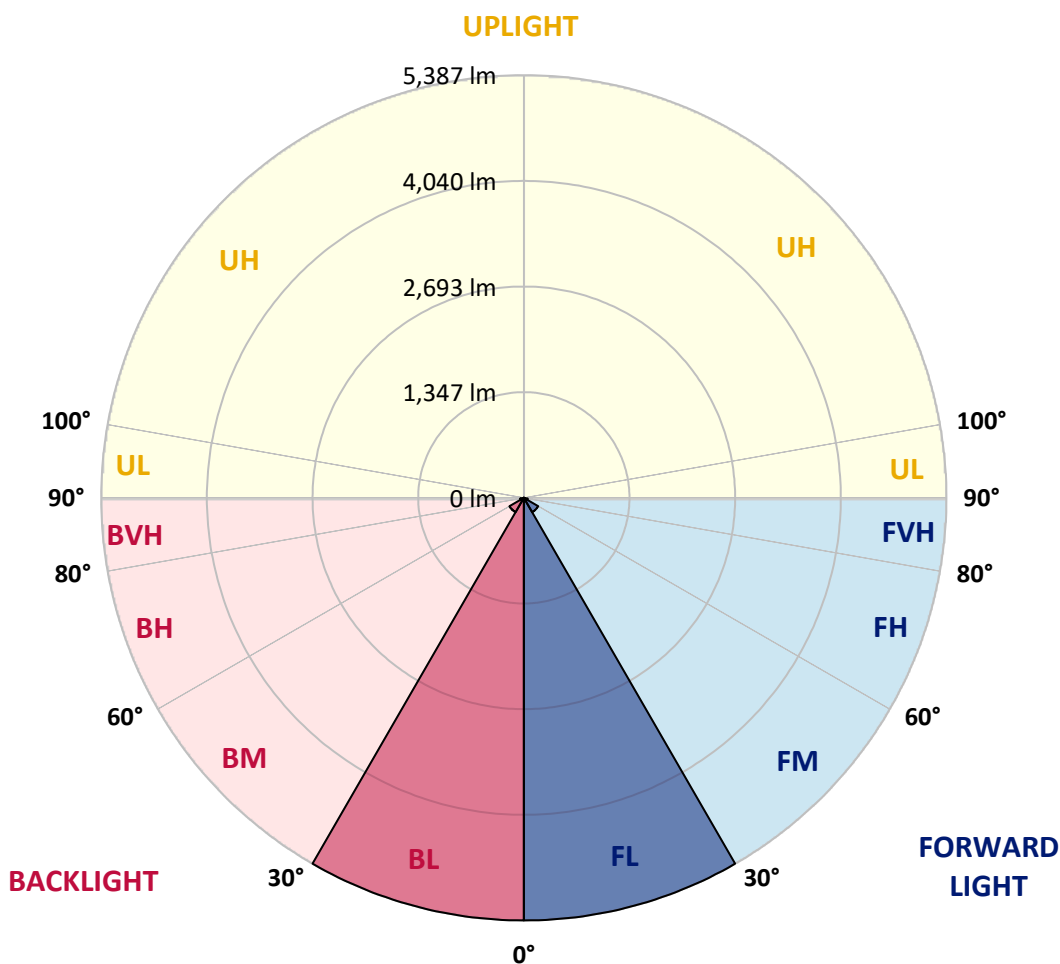


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5386.8	47.6			
FM (30°-60°)	211.7	1.9			
FH (60°-80°)	49.7	0.4			G0/660
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	5386.8	47.6	B5		
BM (30°-60°)	211.7	1.9	B0/220		
BH (60°-80°)	49.7	0.4	B0/110		G0/660
BVH (80°-90°)	7.1	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°	77755.9	77755.9	77755.9	77755.9	77755.9	77755.9	77755.9	77755.9	77755.9	77755.9
1°	76709.8	76851.8	77025.8	77183.8	77421.9	77615.9	77955.9	77883.9	77873.9	77887.9
2°	75223.6	75401.6	75669.7	75827.7	76441.8	76693.8	77207.8	77359.9	77237.9	77375.9
3°	72997.3	73143.3	73563.4	73873.4	74669.5	75349.6	76037.7	76265.7	76123.7	76187.7
4°	70347.0	70497.0	71005.1	71637.1	72787.3	73541.4	74365.5	74569.5	74105.5	74137.5
5°	67192.6	67262.6	67884.7	68460.7	69836.9	70751.0	71533.1	71597.1	71173.1	71011.1
6°	63644.1	63518.1	64090.2	64334.2	66044.4	66976.5	67548.6	67474.6	67152.6	67014.5
7°	59427.6	59255.6	59717.6	59585.6	61099.8	61631.9	62181.9	61929.9	61673.9	61991.9
8°	54549.0	54452.9	54154.9	54695.0	54995.0	55471.1	55469.1	55323.1	55315.1	55845.1
9°	47456.1	48342.2	48080.1	48646.2	48570.2	48548.2	48402.2	48308.2	47908.1	48518.2
10°	39667.1	40247.1	40689.2	41533.3	41369.3	41601.3	40789.2	40927.2	40661.2	41165.3
12.5°	20532.6	21184.7	21566.8	22210.8	22918.9	23643.0	23409.0	23167.0	22804.9	23249.0
15°	10107.3	10365.3	10487.3	11141.4	11645.5	11827.5	11855.5	11641.5	11549.5	11645.5
17.5°	6202.8	6292.8	6646.8	7398.9	7835.0	7943.0	7873.0	7639.0	7376.9	7266.9
20°	4490.6	4516.6	4650.6	4796.6	5378.7	5682.7	5570.7	5340.7	5098.7	4984.6
22.5°	2932.4	2958.4	3002.4	3082.4	3238.4	3614.5	3492.4	3336.4	3172.4	3138.4
25°	1660.2	1660.2	1706.2	1788.2	1904.2	1932.2	1956.2	1790.2	1714.2	1680.2
27.5°	926.1	932.1	942.1	974.1	1032.1	1026.1	1000.1	956.1	904.1	850.1
30°	512.1	518.1	524.1	532.1	542.1	524.1	508.1	500.1	478.1	472.1
32.5°	384.0	384.0	388.0	386.0	376.0	354.0	344.0	356.0	354.0	344.0
35°	316.0	316.0	320.0	328.0	308.0	292.0	284.0	300.0	300.0	294.0
37.5°	258.0	260.0	262.0	272.0	266.0	248.0	246.0	250.0	252.0	250.0
40°	226.0	224.0	224.0	226.0	222.0	218.0	214.0	212.0	214.0	212.0
42.5°	196.0	194.0	198.0	194.0	186.0	188.0	188.0	182.0	184.0	180.0
45°	172.0	170.0	172.0	168.0	162.0	164.0	164.0	156.0	156.0	154.0
47.5°	152.0	152.0	152.0	154.0	144.0	142.0	144.0	142.0	136.0	134.0
50°	132.0	134.0	136.0	140.0	130.0	126.0	126.0	126.0	122.0	120.0
52.5°	122.0	124.0	124.0	124.0	118.0	114.0	114.0	112.0	110.0	108.0
55°	118.0	118.0	118.0	110.0	108.0	106.0	100.0	98.0	96.0	96.0
57.5°	112.0	112.0	110.0	104.0	98.0	98.0	90.0	88.0	86.0	86.0
60°	100.0	100.0	100.0	98.0	90.0	88.0	80.0	76.0	74.0	74.0
62.5°	92.0	92.0	92.0	84.0	82.0	76.0	70.0	64.0	62.0	58.0
65°	84.0	84.0	84.0	76.0	72.0	66.0	58.0	52.0	48.0	42.0
67.5°	78.0	78.0	76.0	70.0	64.0	56.0	48.0	42.0	34.0	30.0
70°	68.0	68.0	66.0	62.0	56.0	50.0	40.0	32.0	26.0	20.0
72.5°	58.0	58.0	56.0	52.0	48.0	42.0	34.0	28.0	18.0	14.0
75°	48.0	48.0	46.0	42.0	40.0	36.0	30.0	22.0	14.0	6.0
77.5°	40.0	40.0	38.0	36.0	34.0	30.0	26.0	18.0	10.0	4.0
80°	30.0	32.0	32.0	32.0	28.0	26.0	24.0	18.0	8.0	2.0
82.5°	22.0	24.0	24.0	24.0	22.0	20.0	22.0	16.0	8.0	2.0
85°	16.0	16.0	18.0	18.0	18.0	18.0	24.0	18.0	6.0	2.0
87.5°	8.0	8.0	8.0	8.0	8.0	10.0	12.0	10.0	4.0	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°
77755.9
77329.9
76851.8
75707.7
73661.4
70673.0
66704.5
61893.9
54374.9
47380.0
39873.1
22046.8
11197.4
7112.9
4896.6
3068.4
1652.2
852.1
472.1
338.0
292.0
250.0
214.0
182.0
154.0
134.0
118.0
106.0
94.0
86.0
72.0
54.0
42.0
28.0
20.0
12.0
6.0
2.0
2.0
2.0
2.0
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0.0

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