

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: P635999

Luminaire Tested: **IFLD-M-SA4B-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635999
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-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: 13739.8 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

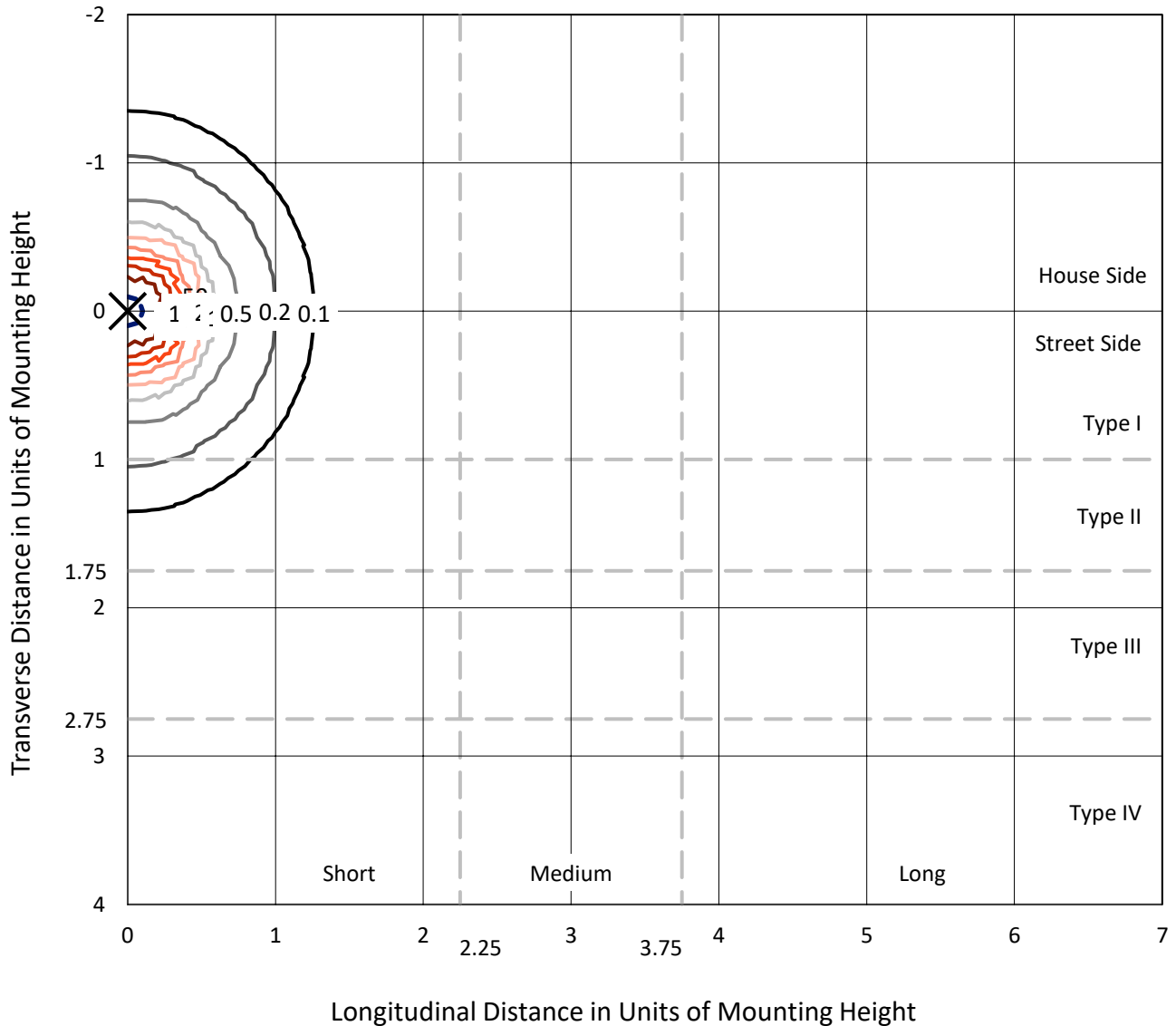
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

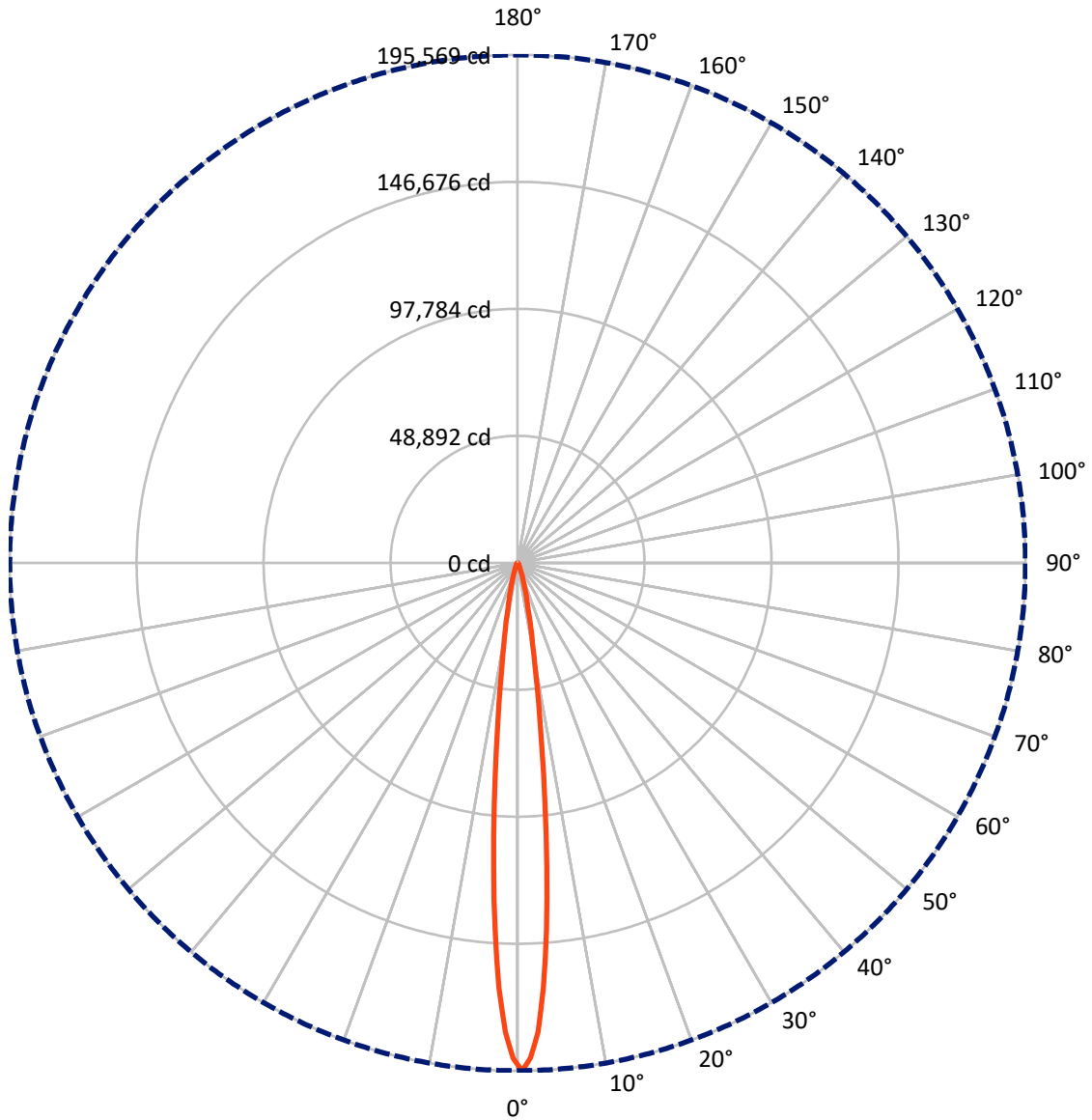
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 488.9 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	6869.9	0.0	6869.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6869.9	0.0	6869.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	13739.8	0.0	13739.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8375.5	61.0
10°-20°	3752.3	27.3
20°-30°	838.0	6.1
30°-40°	273.5	2.0
40°-50°	188.6	1.4
50°-60°	142.5	1.0
60°-70°	97.5	0.7
70°-80°	51.4	0.4
80°-90°	20.5	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°	13739.8	100.0
0°-180°	13739.8	100.0

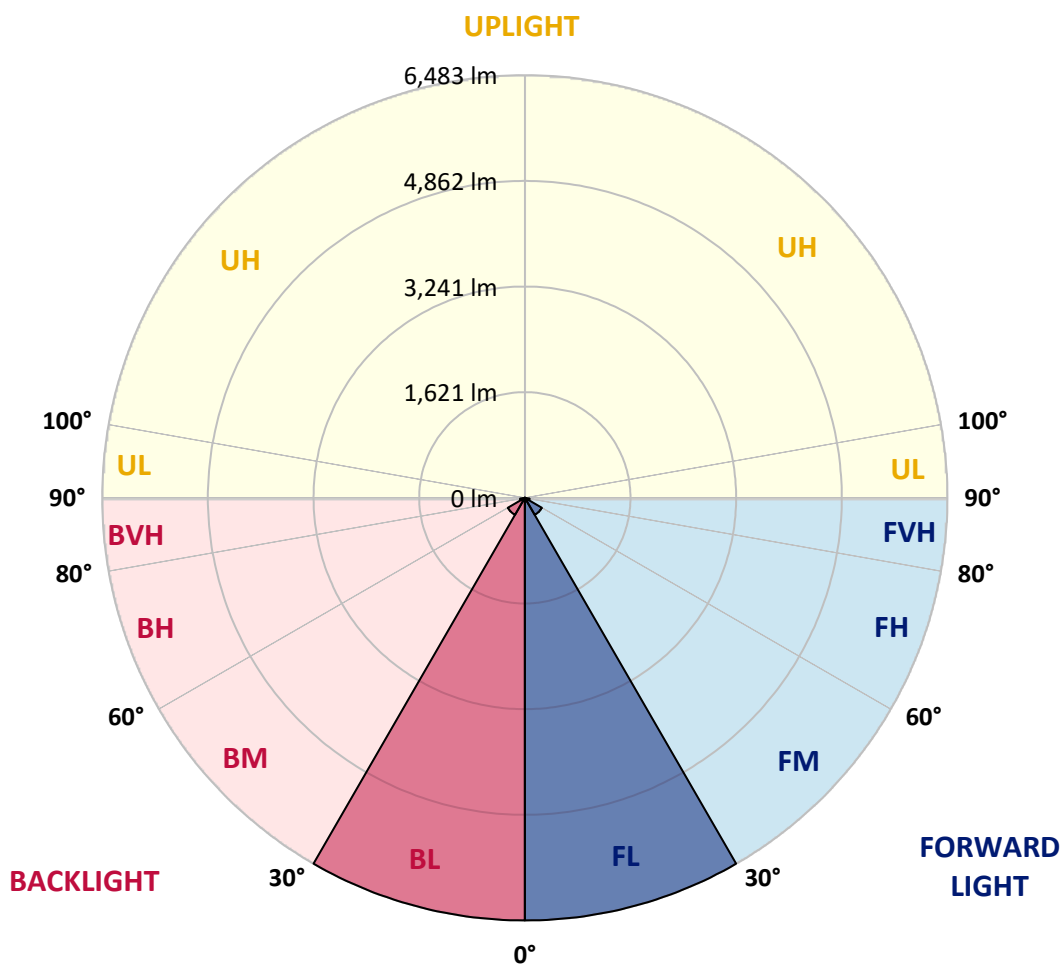


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6482.9	47.2			
FM (30°-60°)	302.3	2.2			
FH (60°-80°)	74.4	0.5			G0/660
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	6482.9	47.2	B5		
BM (30°-60°)	302.3	2.2	B1/1000		
BH (60°-80°)	74.4	0.5	B0/110		G0/660
BVH (80°-90°)	10.2	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°	195568.6	195568.6	195568.6	195568.6	195568.6	195568.6	195568.6	195568.6	195568.6	195568.6
1°	190713.1	190972.5	190683.7	192142.3	192744.4	193057.6	193094.3	193916.7	193282.8	193459.0
2°	180661.9	181239.5	180272.8	181207.7	183077.4	183784.7	182632.0	184056.4	183547.3	183843.4
3°	163772.9	164480.2	163143.9	164286.8	166692.6	167231.0	165341.6	167365.6	167314.2	167740.0
4°	142003.9	143151.7	141242.8	142596.1	143660.7	145535.4	143704.8	146007.7	145963.7	146702.8
5°	117293.2	118534.0	116874.7	118279.5	119287.8	119985.3	119314.7	121862.4	122023.9	122787.4
6°	93113.6	94271.2	92418.5	93759.7	95357.8	95644.1	95470.3	97663.2	98150.2	97555.5
7°	71660.3	71949.1	71657.8	72876.6	74159.0	74205.5	74430.7	76359.1	76787.4	76581.9
8°	54881.4	53559.8	54695.4	55341.5	55737.9	57558.8	57693.4	58665.0	59453.0	59509.3
9°	41775.9	40552.3	41866.5	42123.4	43033.9	44651.5	44448.4	45510.6	46004.9	45973.1
10°	31849.6	31227.9	31886.3	32170.2	32919.0	34289.5	34526.9	35014.0	35381.1	35620.9
12.5°	17283.0	17427.4	17809.2	18107.8	19116.1	19480.7	19627.6	19669.2	19666.7	19705.9
15°	10736.4	10853.9	11120.7	11661.5	12275.8	12728.6	12792.2	12557.3	12354.1	12322.3
17.5°	6695.9	6649.4	7275.9	7868.2	8607.3	8842.2	8597.5	8328.3	8051.7	7892.6
20°	4018.5	4050.3	4263.2	4527.6	5124.7	5531.0	5276.4	5002.3	4716.0	4527.6
22.5°	2283.4	2317.6	2410.6	2547.7	2775.3	3144.8	2983.3	2706.7	2503.6	2420.4
25°	1348.5	1348.5	1404.8	1466.0	1561.4	1647.1	1612.8	1466.0	1346.0	1311.8
27.5°	873.7	866.4	885.9	915.3	959.4	964.2	925.1	881.0	819.9	797.8
30°	638.8	641.2	638.8	651.0	648.5	631.4	606.9	609.4	584.9	582.5
32.5°	518.8	521.3	521.3	518.8	506.6	479.7	462.5	479.7	474.8	469.9
35°	430.7	433.2	457.7	455.2	435.6	406.3	394.0	413.6	428.3	406.3
37.5°	372.0	374.4	394.0	403.8	379.3	359.8	345.1	362.2	384.2	359.8
40°	327.9	330.4	335.3	337.7	325.5	315.7	308.4	313.3	323.0	310.8
42.5°	288.8	286.3	288.8	286.3	271.7	276.5	271.7	264.3	271.7	261.9
45°	252.1	252.1	252.1	244.7	230.0	239.8	234.9	227.6	230.0	222.7
47.5°	230.0	230.0	230.0	220.3	208.0	208.0	210.5	198.2	200.7	198.2
50°	208.0	208.0	212.9	203.1	193.3	186.0	188.4	178.7	181.1	178.7
52.5°	190.9	190.9	190.9	186.0	178.7	173.8	168.9	164.0	161.5	159.1
55°	183.5	183.5	181.1	166.4	164.0	159.1	149.3	146.8	141.9	139.5
57.5°	171.3	171.3	168.9	156.6	146.8	146.8	132.2	129.7	122.4	122.4
60°	151.7	151.7	149.3	146.8	134.6	127.3	117.5	112.6	105.2	102.8
62.5°	144.4	144.4	139.5	127.3	124.8	112.6	102.8	93.0	88.1	83.2
65°	134.6	132.2	129.7	117.5	107.7	100.3	88.1	75.9	71.0	61.2
67.5°	119.9	119.9	117.5	107.7	97.9	85.7	73.4	63.6	51.4	44.1
70°	105.2	102.8	102.8	93.0	85.7	75.9	58.7	48.9	36.7	29.4
72.5°	88.1	88.1	85.7	78.3	73.4	66.1	51.4	39.2	24.5	19.6
75°	71.0	71.0	68.5	63.6	61.2	53.8	44.1	34.3	19.6	9.8
77.5°	58.7	56.3	56.3	51.4	48.9	44.1	36.7	26.9	14.7	7.3
80°	44.1	44.1	46.5	44.1	39.2	36.7	31.8	24.5	12.2	4.9
82.5°	31.8	31.8	34.3	34.3	34.3	31.8	31.8	24.5	12.2	2.4
85°	22.0	22.0	26.9	24.5	24.5	26.9	39.2	31.8	9.8	2.4
87.5°	12.2	12.2	12.2	9.8	9.8	12.2	14.7	12.2	4.9	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
195568.6
192164.4
182786.2
166597.1
145405.7
121328.8
97616.7
76300.4
58799.6
46722.0
35762.8
19737.7
12224.4
7868.2
4569.2
2430.2
1306.9
797.8
580.0
460.1
401.4
357.3
305.9
261.9
222.7
198.2
178.7
159.1
137.1
122.4
97.9
80.8
58.7
44.1
29.4
17.1
9.8
4.9
2.4
2.4
2.4
2.4
0.0

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