

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: P636292

Luminaire Tested: **IFLD-M-SA4E-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636292
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21428.9 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

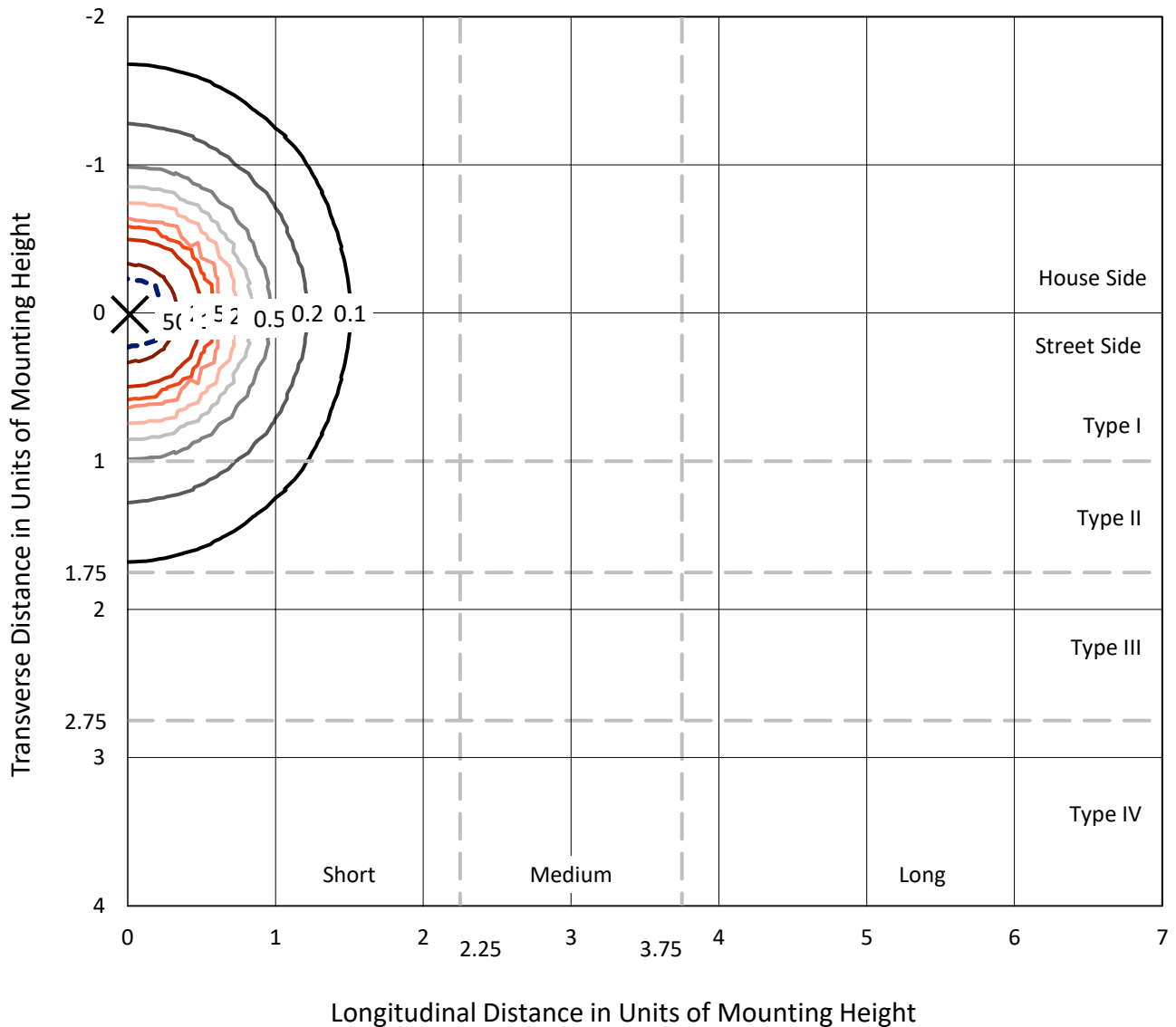
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

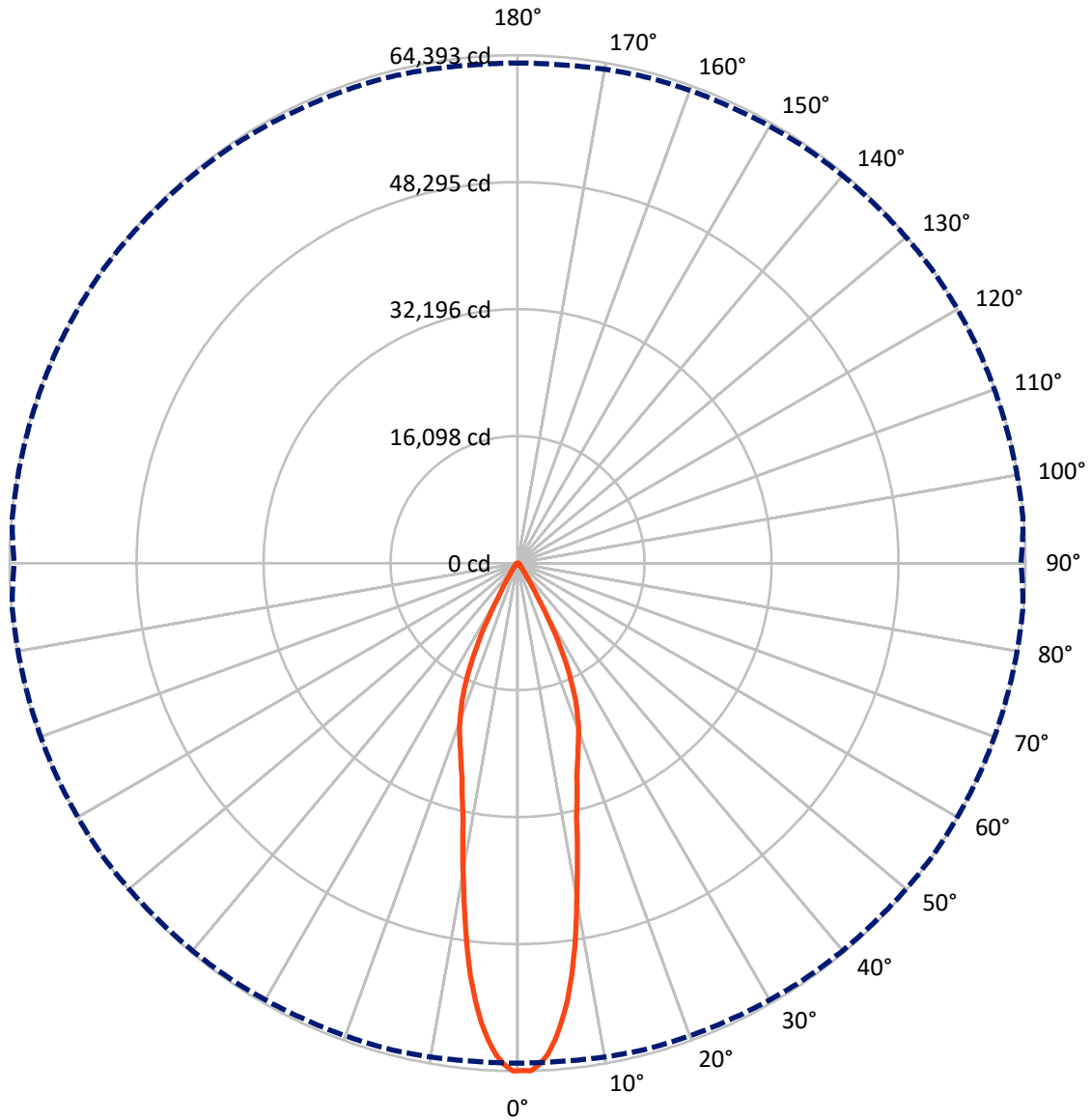
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 160.8 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	10714.5	0.0	10714.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10714.5	0.0	10714.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21428.9	0.0	21428.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4893.8	22.8
10°-20°	7992.8	37.3
20°-30°	6245.9	29.1
30°-40°	1361.4	6.4
40°-50°	403.1	1.9
50°-60°	252.1	1.2
60°-70°	176.3	0.8
70°-80°	75.7	0.4
80°-90°	27.9	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°	21428.9	100.0
0°-180°	21428.9	100.0



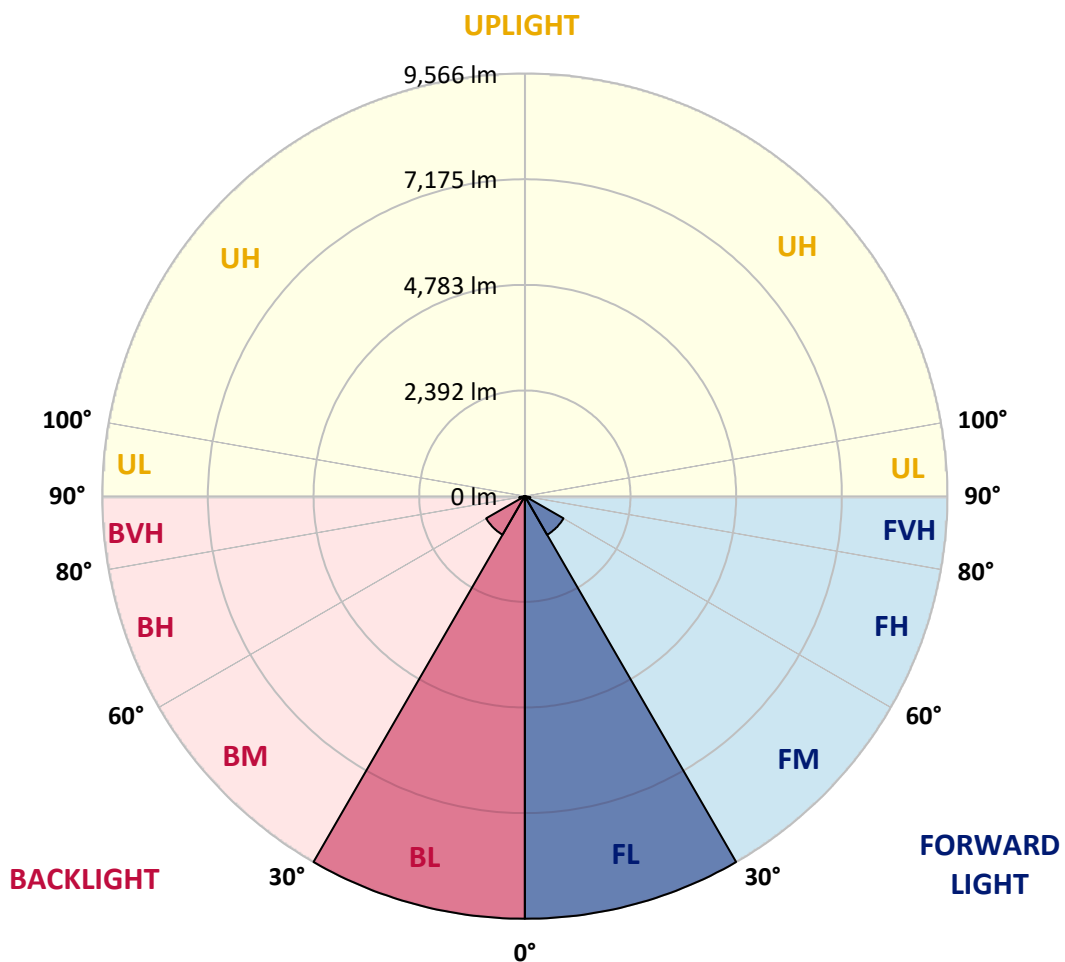
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9566.2	44.6			
FM (30°-60°)	1008.3	4.7			
FH (60°-80°)	126.0	0.6			G0/660
FVH (80°-90°)	14.0	0.1			G1/100
BL (0°-30°)	9566.2	44.6	B5		
BM (30°-60°)	1008.3	4.7	B2/2500		
BH (60°-80°)	126.0	0.6	B1/500		G0/660
BVH (80°-90°)	14.0	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°	64319.2	64319.2	64319.2	64319.2	64319.2	64319.2	64319.2	64319.2	64319.2	64319.2
1°	63388.1	63395.9	63741.2	63818.7	64055.4	64175.6	64392.9	64369.6	64303.7	64311.4
2°	62220.5	62170.0	62492.0	62848.9	63132.1	63364.9	63624.8	63679.1	63617.0	63675.2
3°	60300.2	60226.5	60676.5	61122.6	61615.3	62014.9	62406.7	62422.2	62348.5	62344.6
4°	57774.8	57639.0	58174.3	58969.6	59590.3	60121.7	60610.5	60602.8	60501.9	60583.4
5°	54721.7	54551.0	55245.4	56292.9	57212.3	57852.3	58391.6	58263.6	58030.8	58042.4
6°	50974.3	51141.1	51990.7	53461.0	54547.2	55078.6	55742.0	55501.5	55098.0	55055.4
7°	47451.9	47828.2	48507.1	50279.9	51571.7	52130.3	52692.8	52207.9	51660.9	51571.7
8°	43743.2	44371.7	45310.5	46943.7	48320.8	48883.3	49096.7	48576.9	47991.1	47967.8
9°	40736.8	41167.4	41974.3	43413.5	44813.9	45190.2	45236.8	44782.9	44197.1	44235.9
10°	38001.8	38083.3	38781.6	40019.1	41140.2	41407.9	41396.3	41066.5	40585.5	40713.5
12.5°	31880.3	32101.4	32303.1	32698.8	33075.1	33249.7	33183.7	33048.0	32784.2	32795.8
15°	27725.5	27721.6	27744.9	27927.2	28039.7	28059.1	28059.1	27888.5	27776.0	27942.8
17.5°	24059.6	24261.3	24622.1	24769.5	24916.9	24862.6	24761.7	24684.1	24610.4	24754.0
20°	21208.3	21297.5	21301.4	21398.3	22143.2	22182.0	22054.0	21832.8	21646.6	21611.7
22.5°	18000.1	18135.8	18194.0	18279.4	18357.0	18923.3	18772.0	18415.1	18194.0	18128.1
25°	13511.7	13465.1	13845.3	14543.6	14656.1	14725.9	14687.1	14500.9	14357.4	14384.5
27.5°	9337.5	9419.0	9403.5	9411.2	10152.2	10148.3	10136.7	9973.7	9931.1	9869.0
30°	5221.6	5182.8	5202.2	5151.7	5047.0	5175.0	4969.4	5144.0	4973.3	5027.6
32.5°	3087.9	3060.8	3033.6	3045.3	2967.7	2777.6	2696.1	2816.4	2777.6	2762.1
35°	1970.7	1982.3	2017.2	2013.4	1943.5	1834.9	1718.5	1827.2	1811.6	1765.1
37.5°	1256.9	1256.9	1268.5	1369.4	1311.2	1218.1	1136.6	1183.2	1179.3	1171.6
40°	892.2	892.2	907.8	934.9	903.9	857.3	810.8	810.8	818.5	795.3
42.5°	663.4	663.4	678.9	694.4	655.6	640.1	616.8	601.3	620.7	601.3
45°	519.8	515.9	519.8	512.1	488.8	488.8	469.4	446.1	469.4	457.8
47.5°	426.7	422.8	419.0	403.4	380.2	384.1	376.3	356.9	368.5	364.7
50°	372.4	364.7	368.5	353.0	333.6	329.7	329.7	310.3	314.2	314.2
52.5°	325.9	325.9	322.0	314.2	306.5	290.9	294.8	275.4	275.4	275.4
55°	306.5	306.5	298.7	283.2	287.1	275.4	263.8	252.2	248.3	248.3
57.5°	302.6	302.6	298.7	283.2	271.6	267.7	252.2	236.6	225.0	228.9
60°	294.8	294.8	287.1	283.2	263.8	256.0	232.8	221.1	205.6	205.6
62.5°	283.2	279.3	263.8	240.5	240.5	221.1	205.6	182.3	170.7	166.8
65°	240.5	236.6	225.0	205.6	194.0	182.3	159.1	135.8	128.0	116.4
67.5°	197.8	197.8	190.1	170.7	162.9	147.4	120.3	104.7	85.3	77.6
70°	162.9	162.9	155.2	143.5	135.8	116.4	93.1	77.6	58.2	50.4
72.5°	131.9	131.9	124.1	116.4	108.6	97.0	77.6	58.2	38.8	31.0
75°	104.7	104.7	100.9	93.1	85.3	77.6	62.1	46.6	27.2	15.5
77.5°	85.3	85.3	81.5	77.6	69.8	62.1	50.4	38.8	19.4	7.8
80°	65.9	65.9	65.9	65.9	58.2	50.4	42.7	31.0	15.5	3.9
82.5°	46.6	46.6	50.4	58.2	46.6	38.8	38.8	31.0	11.6	3.9
85°	31.0	34.9	38.8	34.9	31.0	31.0	54.3	50.4	11.6	3.9
87.5°	15.5	15.5	15.5	15.5	15.5	11.6	15.5	11.6	7.8	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°
64319.2
63834.3
63217.4
62007.1
60199.3
57476.0
54489.0
51148.9
47118.3
43657.9
40263.5
32411.7
27554.8
24424.2
21386.7
17891.4
14291.4
9644.0
5093.6
2723.3
1714.7
1156.0
787.5
597.4
457.8
364.7
318.1
275.4
244.4
228.9
194.0
159.1
112.5
73.7
46.6
27.2
11.6
7.8
3.9
3.9
3.9
0.0
0.0

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