

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: P636288

Luminaire Tested: **IFLD-M-SA4A-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636288
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-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: 10930.6 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

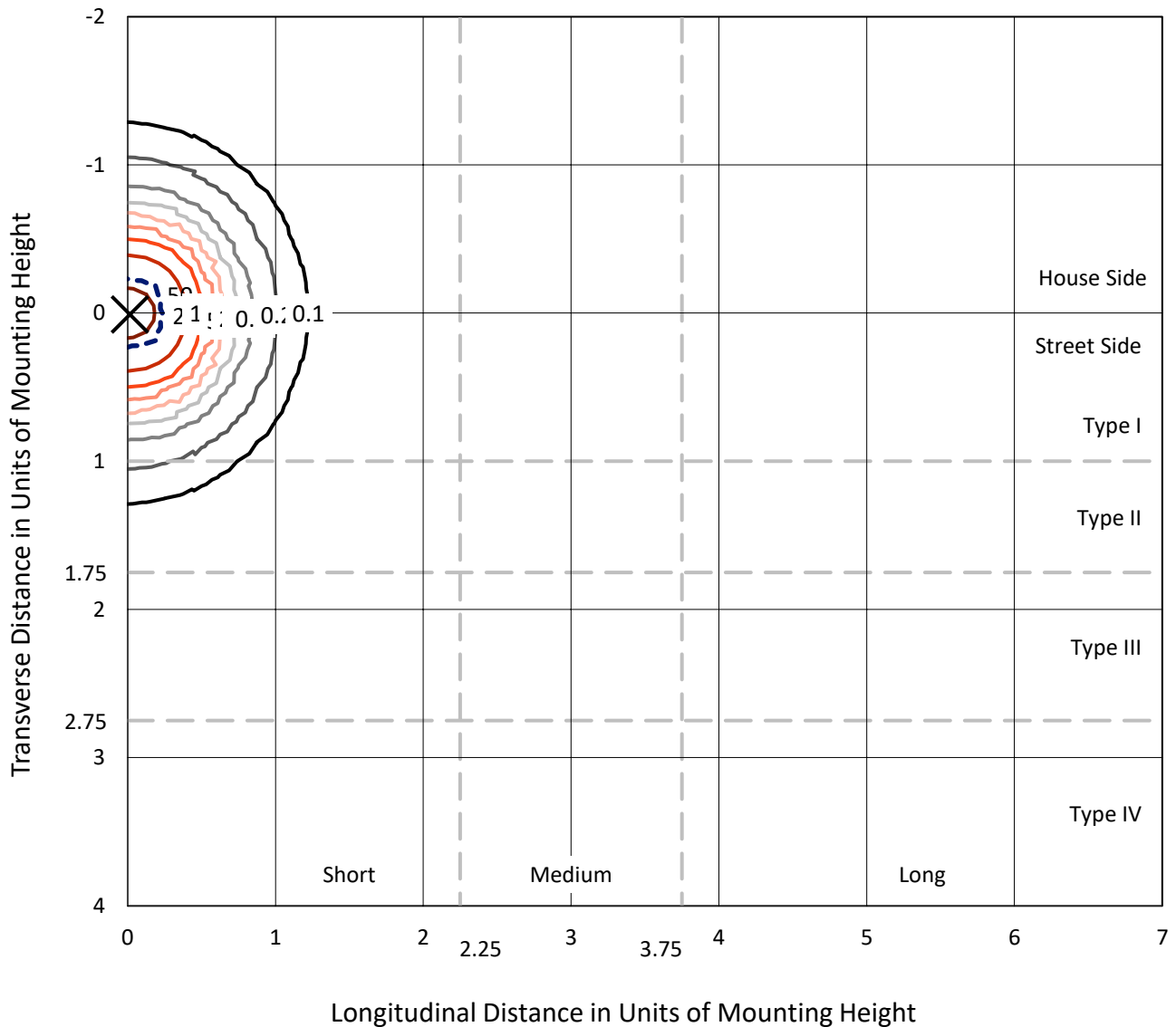
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

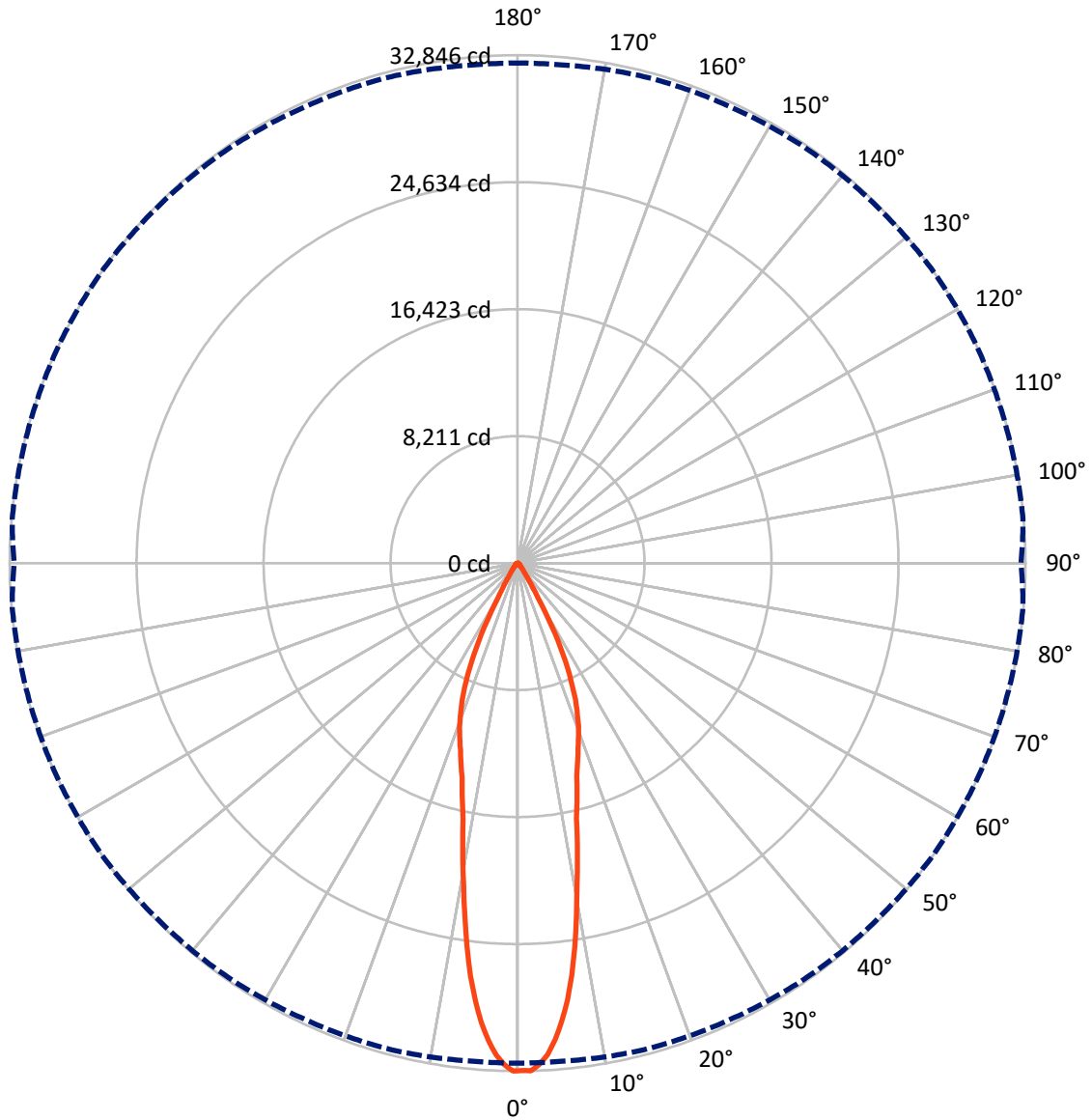
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 82 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	5465.3	0.0	5465.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5465.3	0.0	5465.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10930.6	0.0	10930.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2496.2	22.8
10°-20°	4077.0	37.3
20°-30°	3185.9	29.1
30°-40°	694.4	6.4
40°-50°	205.6	1.9
50°-60°	128.6	1.2
60°-70°	89.9	0.8
70°-80°	38.6	0.4
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°	10930.6	100.0
0°-180°	10930.6	100.0



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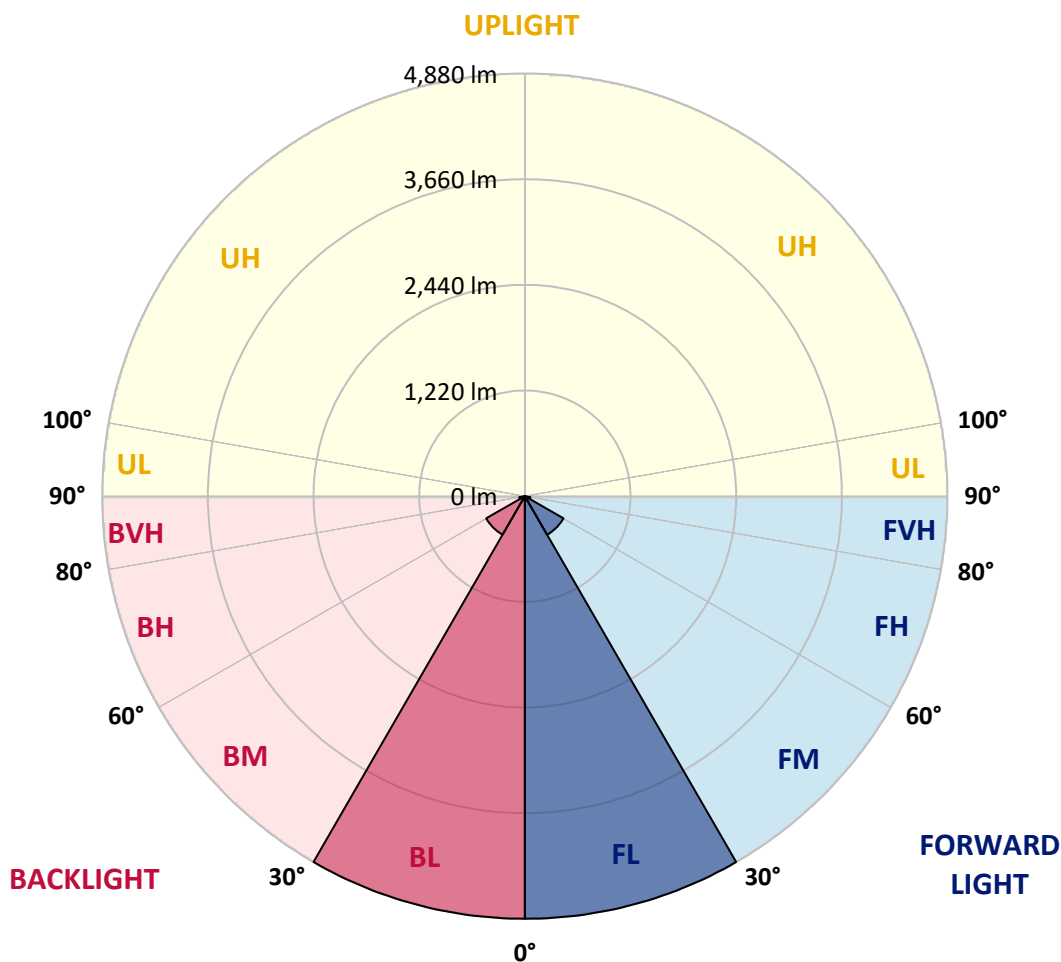
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4879.6	44.6			
FM (30°-60°)	514.3	4.7			
FH (60°-80°)	64.3	0.6			G0/660
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	4879.6	44.6	B4/5000		
BM (30°-60°)	514.3	4.7	B1/1000		
BH (60°-80°)	64.3	0.6	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: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	32808.2	32808.2	32808.2	32808.2	32808.2	32808.2	32808.2	32808.2	32808.2	32808.2
1°	32333.2	32337.2	32513.3	32552.9	32673.6	32734.9	32845.8	32833.9	32800.2	32804.2
2°	31737.6	31711.9	31876.2	32058.2	32202.6	32321.4	32454.0	32481.7	32450.0	32479.7
3°	30758.1	30720.5	30950.1	31177.6	31428.9	31632.8	31832.6	31840.5	31802.9	31801.0
4°	29470.0	29400.7	29673.8	30079.4	30396.0	30667.1	30916.4	30912.5	30861.0	30902.6
5°	27912.7	27825.6	28179.8	28714.1	29183.0	29509.5	29784.6	29719.3	29600.6	29606.5
6°	26001.2	26086.2	26519.6	27269.6	27823.6	28094.7	28433.1	28310.4	28104.6	28082.8
7°	24204.4	24396.4	24742.7	25647.0	26305.9	26590.8	26877.8	26630.4	26351.4	26305.9
8°	22312.7	22633.3	23112.1	23945.2	24647.7	24934.6	25043.4	24778.3	24479.5	24467.6
9°	20779.2	20998.8	21410.4	22144.5	22858.9	23050.8	23074.5	22843.0	22544.2	22564.0
10°	19384.1	19425.7	19781.9	20413.1	20985.0	21121.5	21115.6	20947.4	20702.0	20767.3
12.5°	16261.6	16374.4	16477.3	16679.1	16871.1	16960.1	16926.5	16857.2	16722.7	16728.6
15°	14142.3	14140.4	14152.2	14245.2	14302.6	14312.5	14312.5	14225.4	14168.1	14253.1
17.5°	12272.4	12375.3	12559.3	12634.5	12709.7	12682.0	12630.5	12591.0	12553.4	12626.6
20°	10818.0	10863.5	10865.5	10914.9	11294.9	11314.7	11249.4	11136.6	11041.6	11023.8
22.5°	9181.5	9250.8	9280.5	9324.0	9363.6	9652.5	9575.3	9393.3	9280.5	9246.8
25°	6892.1	6868.3	7062.3	7418.4	7475.8	7511.4	7491.7	7396.7	7323.5	7337.3
27.5°	4762.9	4804.5	4796.6	4800.5	5178.5	5176.5	5170.5	5087.4	5065.7	5034.0
30°	2663.4	2643.6	2653.5	2627.8	2574.4	2639.7	2534.8	2623.9	2536.8	2564.5
32.5°	1575.1	1561.3	1547.4	1553.3	1513.8	1416.8	1375.3	1436.6	1416.8	1408.9
35°	1005.2	1011.2	1029.0	1027.0	991.4	936.0	876.6	932.0	924.1	900.3
37.5°	641.1	641.1	647.1	698.5	668.8	621.3	579.8	603.5	601.5	597.6
40°	455.1	455.1	463.0	476.9	461.1	437.3	413.6	413.6	417.5	405.6
42.5°	338.4	338.4	346.3	354.2	334.4	326.5	314.6	306.7	316.6	306.7
45°	265.2	263.2	265.2	261.2	249.3	249.3	239.4	227.6	239.4	233.5
47.5°	217.7	215.7	213.7	205.8	193.9	195.9	191.9	182.0	188.0	186.0
50°	190.0	186.0	188.0	180.1	170.2	168.2	168.2	158.3	160.3	160.3
52.5°	166.2	166.2	164.2	160.3	156.3	148.4	150.4	140.5	140.5	140.5
55°	156.3	156.3	152.4	144.5	146.4	140.5	134.6	128.6	126.6	126.6
57.5°	154.3	154.3	152.4	144.5	138.5	136.5	128.6	120.7	114.8	116.7
60°	150.4	150.4	146.4	144.5	134.6	130.6	118.7	112.8	104.9	104.9
62.5°	144.5	142.5	134.6	122.7	122.7	112.8	104.9	93.0	87.1	85.1
65°	122.7	120.7	114.8	104.9	98.9	93.0	81.1	69.3	65.3	59.4
67.5°	100.9	100.9	97.0	87.1	83.1	75.2	61.3	53.4	43.5	39.6
70°	83.1	83.1	79.2	73.2	69.3	59.4	47.5	39.6	29.7	25.7
72.5°	67.3	67.3	63.3	59.4	55.4	49.5	39.6	29.7	19.8	15.8
75°	53.4	53.4	51.4	47.5	43.5	39.6	31.7	23.7	13.9	7.9
77.5°	43.5	43.5	41.6	39.6	35.6	31.7	25.7	19.8	9.9	4.0
80°	33.6	33.6	33.6	33.6	29.7	25.7	21.8	15.8	7.9	2.0
82.5°	23.7	23.7	25.7	29.7	23.7	19.8	19.8	15.8	5.9	2.0
85°	15.8	17.8	19.8	17.8	15.8	15.8	27.7	25.7	5.9	2.0
87.5°	7.9	7.9	7.9	7.9	7.9	5.9	7.9	5.9	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°
32808.2
32560.8
32246.2
31628.8
30706.7
29317.6
27793.9
26090.2
24034.2
22269.2
20537.7
16532.7
14055.3
12458.4
10909.0
9126.1
7289.8
4919.2
2598.1
1389.1
874.6
589.7
401.7
304.7
233.5
186.0
162.3
140.5
124.7
116.7
98.9
81.1
57.4
37.6
23.7
13.9
5.9
4.0
2.0
2.0
2.0
0.0
0.0

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