

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: P636147

Luminaire Tested: **IFLD-M-SA4E-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636147
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-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21934.9 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

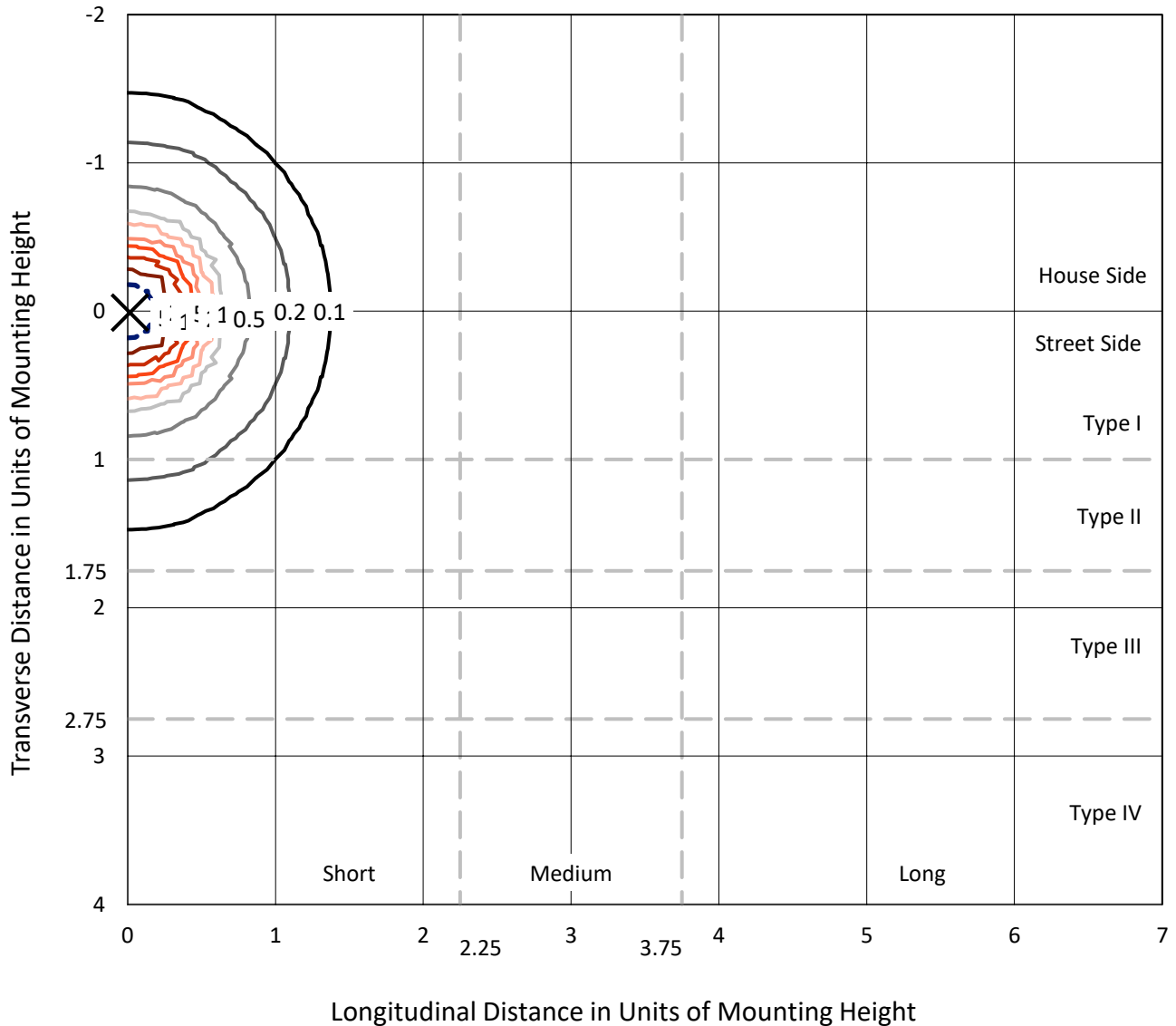
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

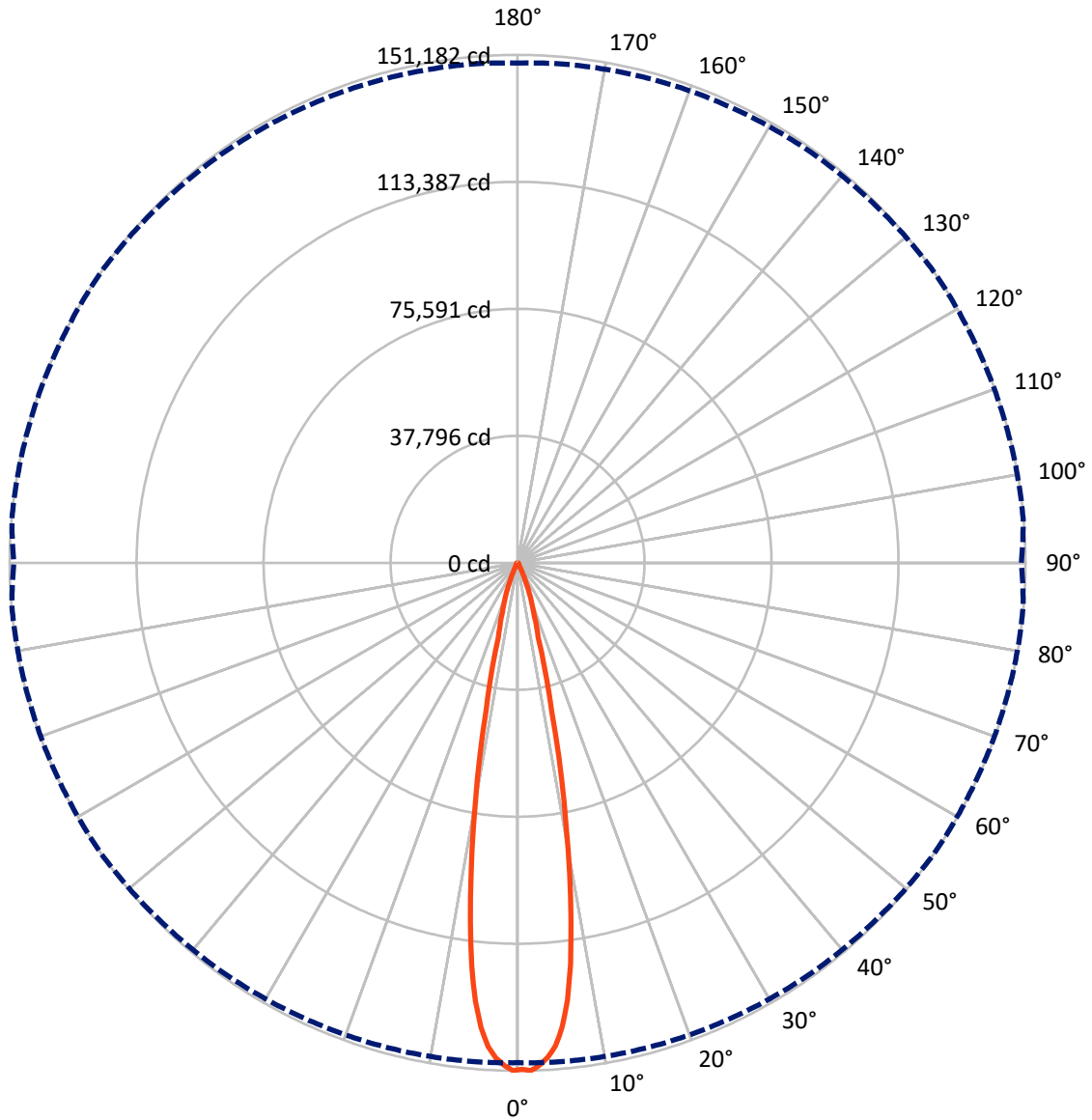
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 377 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	10967.4	0.0	10967.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10967.4	0.0	10967.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21934.9	0.0	21934.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11144.6	50.8
10°-20°	7898.3	36.0
20°-30°	1850.7	8.4
30°-40°	386.8	1.8
40°-50°	249.5	1.1
50°-60°	184.8	0.8
60°-70°	125.6	0.6
70°-80°	67.1	0.3
80°-90°	27.5	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°	21934.9	100.0
0°-180°	21934.9	100.0

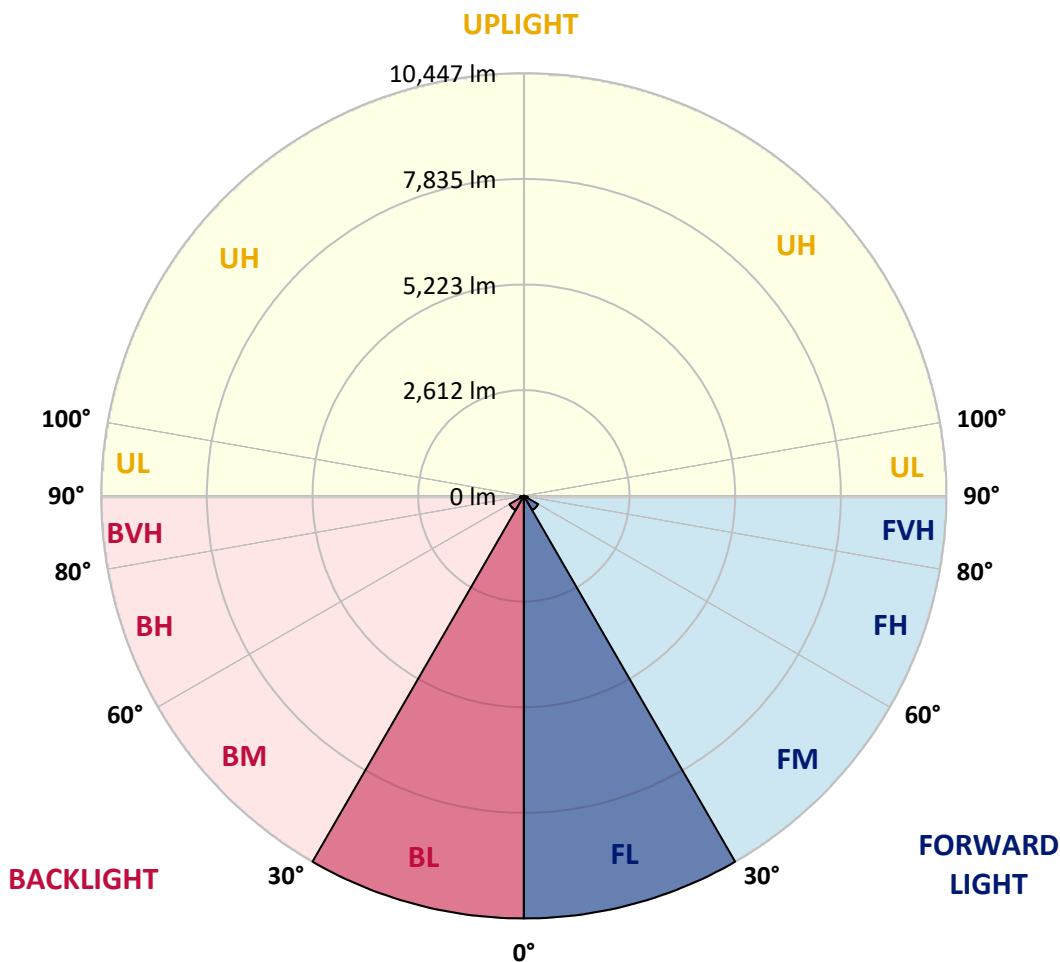


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10446.8	47.6			
FM (30°-60°)	410.6	1.9			
FH (60°-80°)	96.3	0.4			G0/660
FVH (80°-90°)	13.7	0.1			G1/100
BL (0°-30°)	10446.8	47.6	B5		
BM (30°-60°)	410.6	1.9	B1/1000		
BH (60°-80°)	96.3	0.4	B0/110		G0/660
BVH (80°-90°)	13.7	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°	150794.1	150794.1	150794.1	150794.1	150794.1	150794.1	150794.1	150794.1	150794.1	150794.1
1°	148765.3	149040.8	149378.2	149684.7	150146.3	150522.6	151182.1	151042.4	151023.0	151050.2
2°	145883.1	146228.4	146748.2	147054.6	148245.5	148734.3	149731.3	150026.1	149789.4	150057.1
3°	141565.6	141848.8	142663.4	143264.7	144808.6	146127.5	147461.9	147904.2	147628.8	147752.9
4°	136425.8	136716.7	137702.0	138927.8	141158.3	142620.8	144219.0	144614.7	143714.7	143776.8
5°	130308.4	130444.1	131650.5	132767.7	135436.6	137209.4	138726.1	138850.2	138027.9	137713.6
6°	123426.7	123182.4	124291.8	124765.1	128081.7	129889.4	130998.8	130855.3	130230.8	129963.1
7°	115249.5	114915.9	115812.0	115556.0	118492.5	119524.3	120591.1	120102.3	119605.8	120222.6
8°	105788.3	105602.1	105024.1	106071.4	106653.3	107576.5	107572.7	107289.5	107274.0	108301.9
9°	92032.8	93751.3	93243.1	94340.9	94193.5	94150.8	93867.6	93685.3	92909.5	94092.6
10°	76927.4	78052.3	78909.6	80546.6	80228.5	80678.5	79103.6	79371.3	78855.3	79832.9
12.5°	39819.5	41084.1	41825.0	43074.1	44447.3	45851.5	45397.7	44928.3	44226.2	45087.3
15°	19601.3	20101.7	20338.4	21606.9	22584.4	22937.4	22991.7	22576.6	22398.2	22584.4
17.5°	12029.2	12203.8	12890.4	14349.0	15194.6	15404.1	15268.3	14814.5	14306.3	14092.9
20°	8708.7	8759.1	9019.0	9302.2	10431.0	11020.7	10803.4	10357.3	9887.9	9666.8
22.5°	5686.8	5737.3	5822.6	5977.8	6280.3	7009.6	6773.0	6470.4	6152.3	6086.4
25°	3219.7	3219.7	3308.9	3468.0	3692.9	3747.3	3793.8	3471.8	3324.4	3258.5
27.5°	1796.0	1807.7	1827.1	1889.1	2001.6	1990.0	1939.6	1854.2	1753.4	1648.6
30°	993.1	1004.7	1016.3	1031.9	1051.2	1016.3	985.3	969.8	927.1	915.5
32.5°	744.8	744.8	752.6	748.7	729.3	686.6	667.2	690.5	686.6	667.2
35°	612.9	612.9	620.7	636.2	597.4	566.4	550.8	581.9	581.9	570.2
37.5°	500.4	504.3	508.2	527.6	515.9	481.0	477.1	484.9	488.8	484.9
40°	438.3	434.5	434.5	438.3	430.6	422.8	415.1	411.2	415.1	411.2
42.5°	380.2	376.3	384.0	376.3	360.8	364.6	364.6	353.0	356.9	349.1
45°	333.6	329.7	333.6	325.8	314.2	318.1	318.1	302.6	302.6	298.7
47.5°	294.8	294.8	294.8	298.7	279.3	275.4	279.3	275.4	263.8	259.9
50°	256.0	259.9	263.8	271.5	252.1	244.4	244.4	244.4	236.6	232.7
52.5°	236.6	240.5	240.5	240.5	228.9	221.1	221.1	217.2	213.4	209.5
55°	228.9	228.9	228.9	213.4	209.5	205.6	194.0	190.1	186.2	186.2
57.5°	217.2	217.2	213.4	201.7	190.1	190.1	174.6	170.7	166.8	166.8
60°	194.0	194.0	194.0	190.1	174.6	170.7	155.2	147.4	143.5	143.5
62.5°	178.4	178.4	178.4	162.9	159.0	147.4	135.8	124.1	120.3	112.5
65°	162.9	162.9	162.9	147.4	139.6	128.0	112.5	100.9	93.1	81.5
67.5°	151.3	151.3	147.4	135.8	124.1	108.6	93.1	81.5	65.9	58.2
70°	131.9	131.9	128.0	120.3	108.6	97.0	77.6	62.1	50.4	38.8
72.5°	112.5	112.5	108.6	100.9	93.1	81.5	65.9	54.3	34.9	27.2
75°	93.1	93.1	89.2	81.5	77.6	69.8	58.2	42.7	27.2	11.6
77.5°	77.6	77.6	73.7	69.8	65.9	58.2	50.4	34.9	19.4	7.8
80°	58.2	62.1	62.1	62.1	54.3	50.4	46.5	34.9	15.5	3.9
82.5°	42.7	46.5	46.5	46.5	42.7	38.8	42.7	31.0	15.5	3.9
85°	31.0	31.0	34.9	34.9	34.9	34.9	46.5	34.9	11.6	3.9
87.5°	15.5	15.5	15.5	15.5	15.5	19.4	23.3	19.4	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°
150794.1
149967.9
149040.8
146821.9
142853.5
137058.1
129361.8
120032.5
105450.8
91885.4
77326.9
42756.0
21715.5
13794.3
9496.2
5950.6
3204.2
1652.5
915.5
655.6
566.4
484.9
415.1
353.0
298.7
259.9
228.9
205.6
182.3
166.8
139.6
104.7
81.5
54.3
38.8
23.3
11.6
3.9
3.9
3.9
3.9
0.0
0.0

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