

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: P636321

Luminaire Tested: **IFLD-M-SA4E-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636321
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21662.5 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

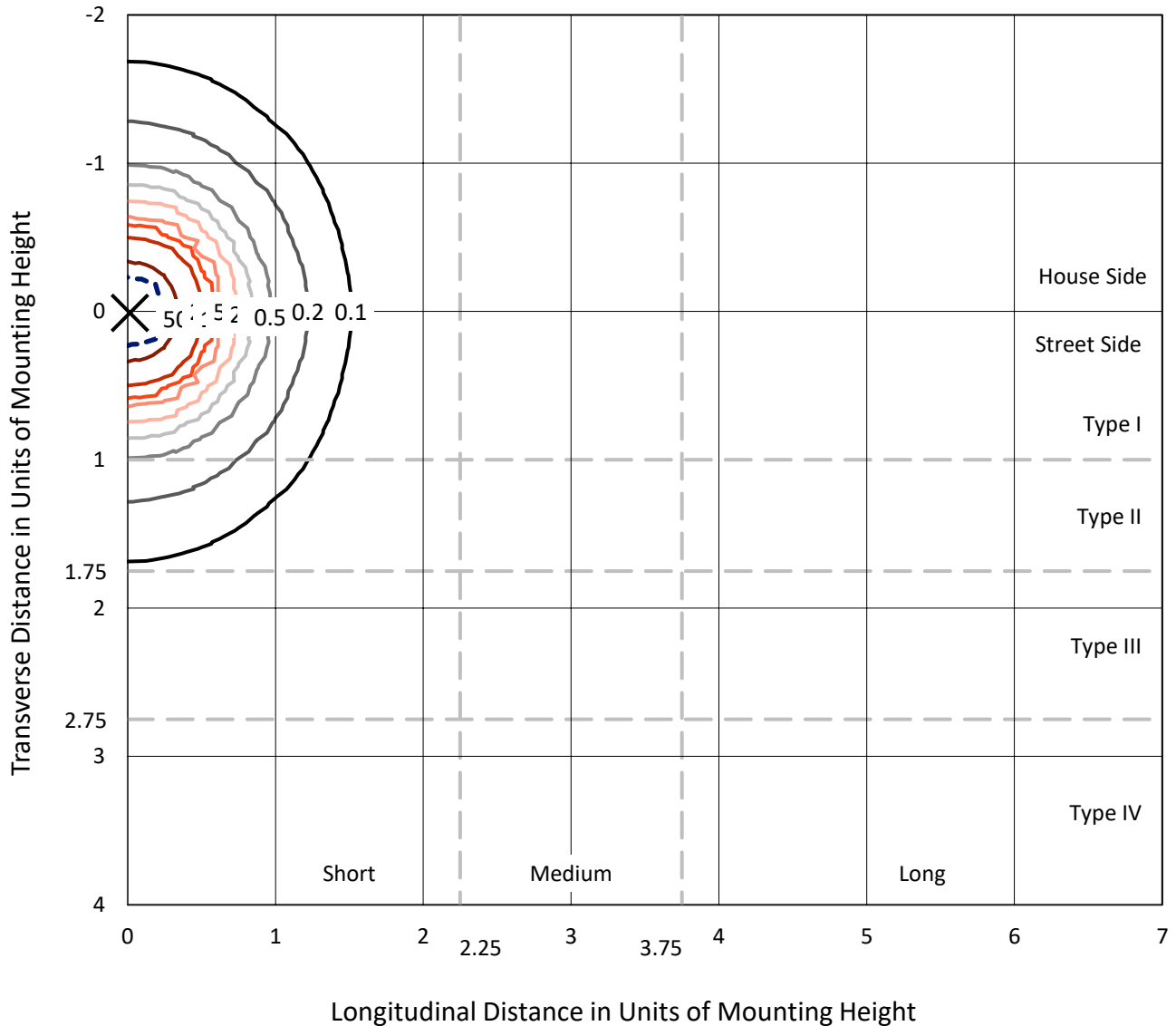
Input Watts (W): 314.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

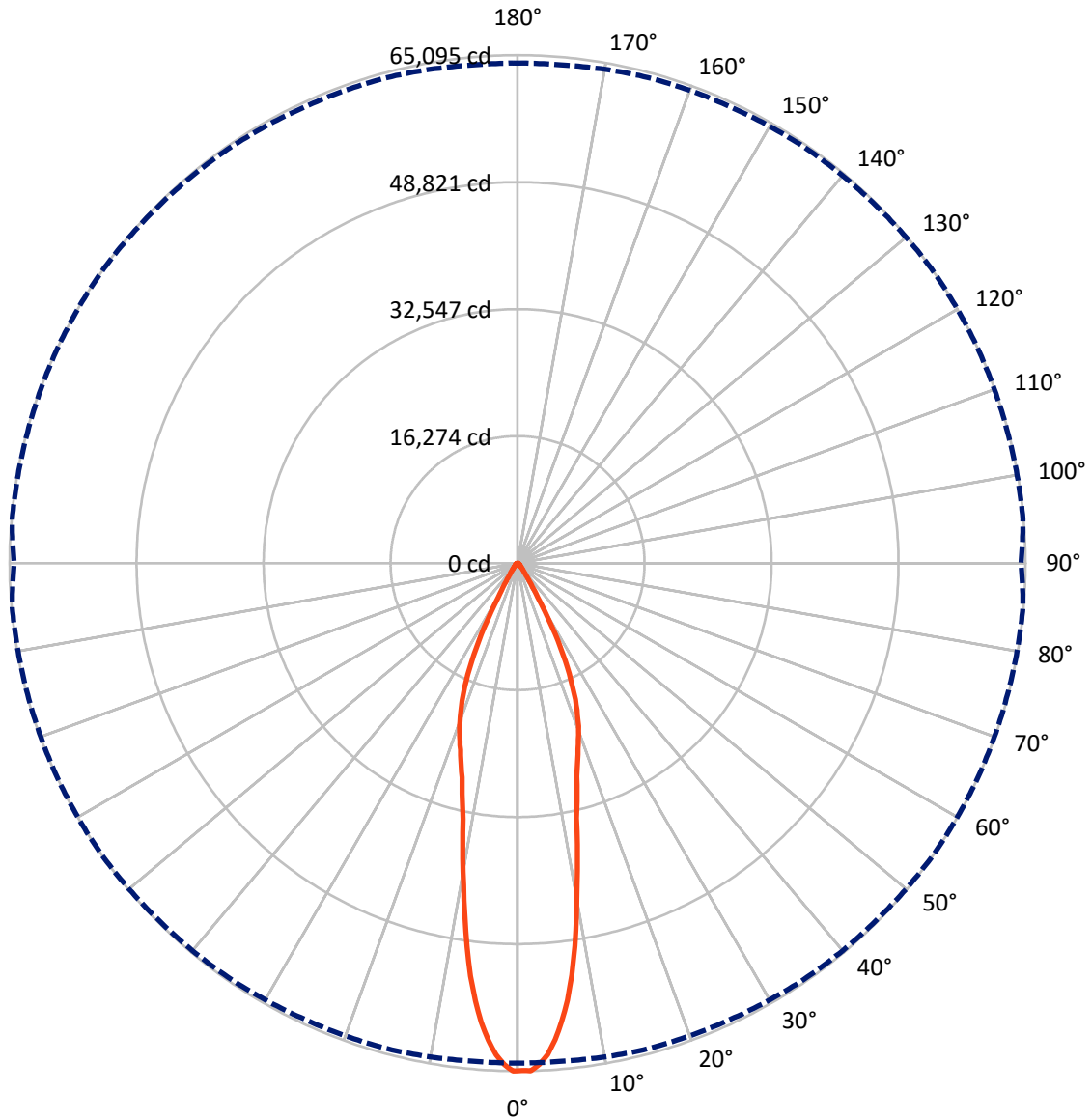
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 162.6 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	10831.2	0.0	10831.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10831.2	0.0	10831.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	21662.5	0.0	21662.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4947.1	22.8
10°-20°	8079.9	37.3
20°-30°	6313.9	29.1
30°-40°	1376.3	6.4
40°-50°	407.5	1.9
50°-60°	254.8	1.2
60°-70°	178.2	0.8
70°-80°	76.5	0.4
80°-90°	28.3	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°	21662.5	100.0
0°-180°	21662.5	100.0



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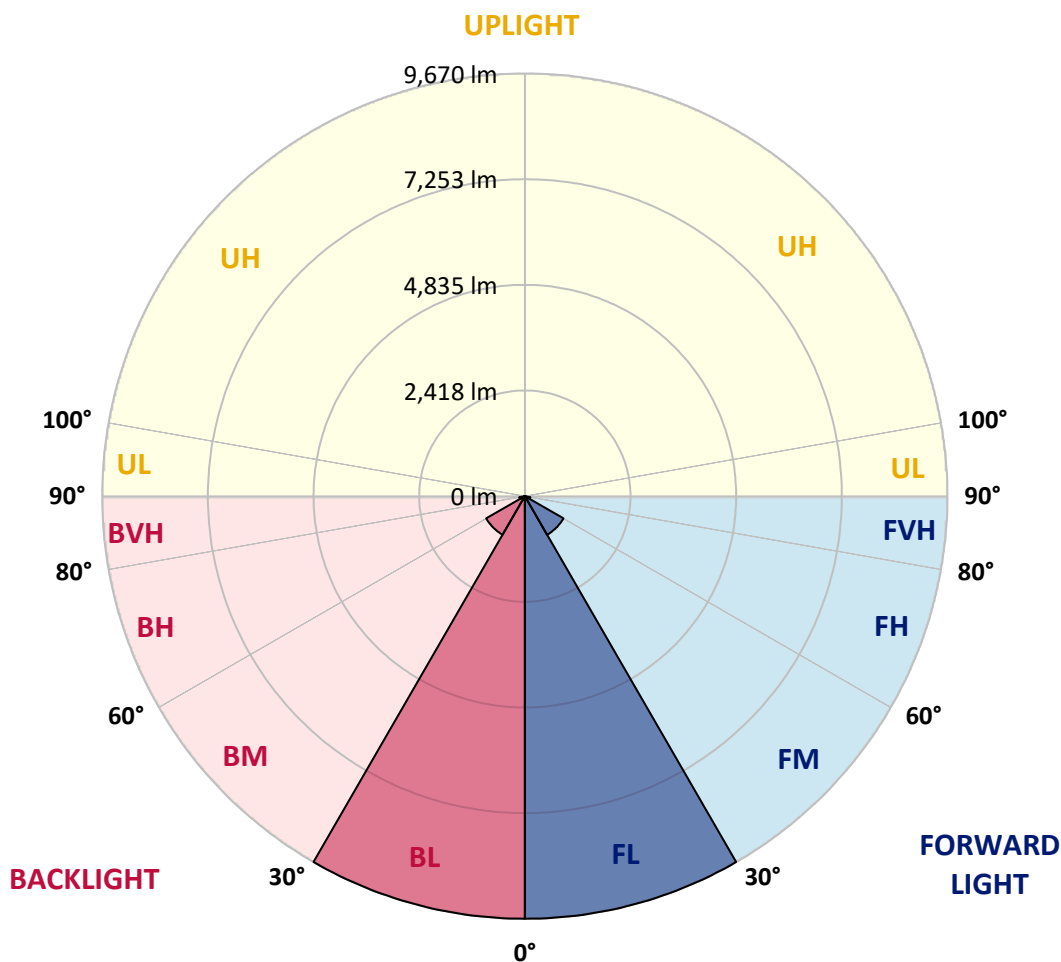
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9670.5	44.6			
FM (30°-60°)	1019.3	4.7			
FH (60°-80°)	127.4	0.6			G0/660
FVH (80°-90°)	14.1	0.1			G1/100
BL (0°-30°)	9670.5	44.6	B5		
BM (30°-60°)	1019.3	4.7	B2/2500		
BH (60°-80°)	127.4	0.6	B1/500		G0/660
BVH (80°-90°)	14.1	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°	65020.2	65020.2	65020.2	65020.2	65020.2	65020.2	65020.2	65020.2	65020.2	65020.2
1°	64079.0	64086.8	64435.9	64514.3	64753.5	64875.1	65094.7	65071.2	65004.5	65012.3
2°	62898.6	62847.6	63173.1	63533.9	63820.2	64055.5	64318.2	64373.1	64310.4	64369.2
3°	60957.4	60882.9	61337.8	61788.8	62286.8	62690.7	63086.8	63102.5	63028.0	63024.1
4°	58404.4	58267.2	58808.4	59612.3	60239.7	60777.0	61271.1	61263.3	61161.3	61243.7
5°	55318.1	55145.6	55847.5	56906.4	57835.8	58482.9	59028.0	58898.6	58663.3	58675.0
6°	51529.9	51698.5	52557.3	54043.6	55141.7	55678.9	56349.5	56106.4	55698.5	55655.4
7°	47969.0	48349.4	49035.7	50827.9	52133.8	52698.5	53267.1	52776.9	52224.0	52133.8
8°	44220.0	44855.3	45804.3	47455.3	48847.5	49416.1	49631.8	49106.3	48514.1	48490.6
9°	41180.8	41616.0	42431.7	43886.7	45302.4	45682.8	45729.8	45271.0	44678.8	44718.0
10°	38416.0	38498.4	39204.3	40455.3	41588.6	41859.2	41847.4	41514.1	41027.8	41157.2
12.5°	32227.7	32451.3	32655.2	33055.2	33435.6	33612.1	33545.4	33408.1	33141.5	33153.2
15°	28027.7	28023.8	28047.3	28231.6	28345.3	28365.0	28365.0	28192.4	28078.7	28247.3
17.5°	24321.8	24525.7	24890.4	25039.4	25188.5	25133.6	25031.6	24953.2	24878.6	25023.7
20°	21439.4	21529.6	21533.5	21631.6	22384.5	22423.7	22294.3	22070.8	21882.5	21847.2
22.5°	18196.2	18333.5	18392.3	18478.6	18557.0	19129.6	18976.6	18615.8	18392.3	18325.6
25°	13658.9	13611.9	13996.2	14702.1	14815.8	14886.4	14847.2	14659.0	14513.9	14541.3
27.5°	9439.3	9521.7	9506.0	9513.8	10262.8	10258.9	10247.1	10082.4	10039.3	9976.6
30°	5278.5	5239.3	5258.9	5207.9	5102.0	5231.4	5023.6	5200.0	5027.5	5082.4
32.5°	3121.6	3094.1	3066.7	3078.5	3000.0	2807.9	2725.5	2847.1	2807.9	2792.2
35°	1992.2	2003.9	2039.2	2035.3	1964.7	1854.9	1737.3	1847.1	1831.4	1784.3
37.5°	1270.6	1270.6	1282.4	1384.3	1325.5	1231.4	1149.0	1196.1	1192.2	1184.3
40°	902.0	902.0	917.7	945.1	913.7	866.7	819.6	819.6	827.5	803.9
42.5°	670.6	670.6	686.3	702.0	662.8	647.1	623.5	607.8	627.5	607.8
45°	525.5	521.6	525.5	517.7	494.1	494.1	474.5	451.0	474.5	462.7
47.5°	431.4	427.5	423.5	407.8	384.3	388.2	380.4	360.8	372.6	368.6
50°	376.5	368.6	372.6	356.9	337.3	333.3	333.3	313.7	317.6	317.6
52.5°	329.4	329.4	325.5	317.6	309.8	294.1	298.0	278.4	278.4	278.4
55°	309.8	309.8	302.0	286.3	290.2	278.4	266.7	254.9	251.0	251.0
57.5°	305.9	305.9	302.0	286.3	274.5	270.6	254.9	239.2	227.5	231.4
60°	298.0	298.0	290.2	286.3	266.7	258.8	235.3	223.5	207.8	207.8
62.5°	286.3	282.4	266.7	243.1	243.1	223.5	207.8	184.3	172.6	168.6
65°	243.1	239.2	227.5	207.8	196.1	184.3	160.8	137.3	129.4	117.6
67.5°	200.0	200.0	192.2	172.6	164.7	149.0	121.6	105.9	86.3	78.4
70°	164.7	164.7	156.9	145.1	137.3	117.6	94.1	78.4	58.8	51.0
72.5°	133.3	133.3	125.5	117.6	109.8	98.0	78.4	58.8	39.2	31.4
75°	105.9	105.9	102.0	94.1	86.3	78.4	62.7	47.1	27.5	15.7
77.5°	86.3	86.3	82.4	78.4	70.6	62.7	51.0	39.2	19.6	7.8
80°	66.7	66.7	66.7	66.7	58.8	51.0	43.1	31.4	15.7	3.9
82.5°	47.1	47.1	51.0	58.8	47.1	39.2	39.2	31.4	11.8	3.9
85°	31.4	35.3	39.2	35.3	31.4	31.4	54.9	51.0	11.8	3.9
87.5°	15.7	15.7	15.7	15.7	15.7	11.8	15.7	11.8	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°
65020.2
64530.0
63906.4
62682.9
60855.4
58102.5
55082.8
51706.3
47631.8
44133.7
40702.3
32765.0
27855.1
24690.4
21619.8
18086.4
14447.2
9749.1
5149.1
2753.0
1733.3
1168.6
796.1
603.9
462.7
368.6
321.6
278.4
247.1
231.4
196.1
160.8
113.7
74.5
47.1
27.5
11.8
7.8
3.9
3.9
3.9
0.0
0.0

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