

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: P636358

Luminaire Tested: **IFLD-L-SA8C-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636358
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31450.8 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

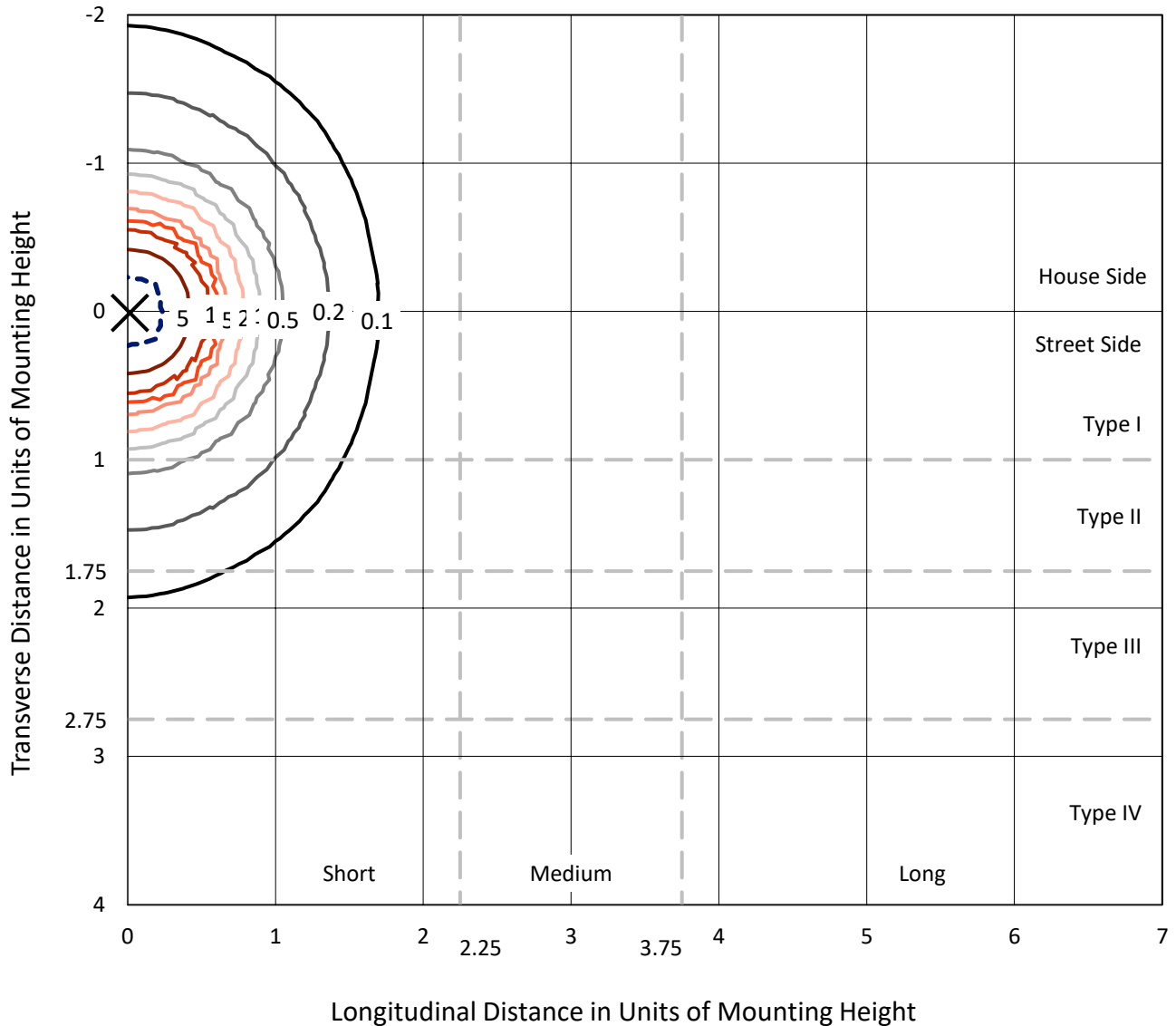
Input Watts (W): 420.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

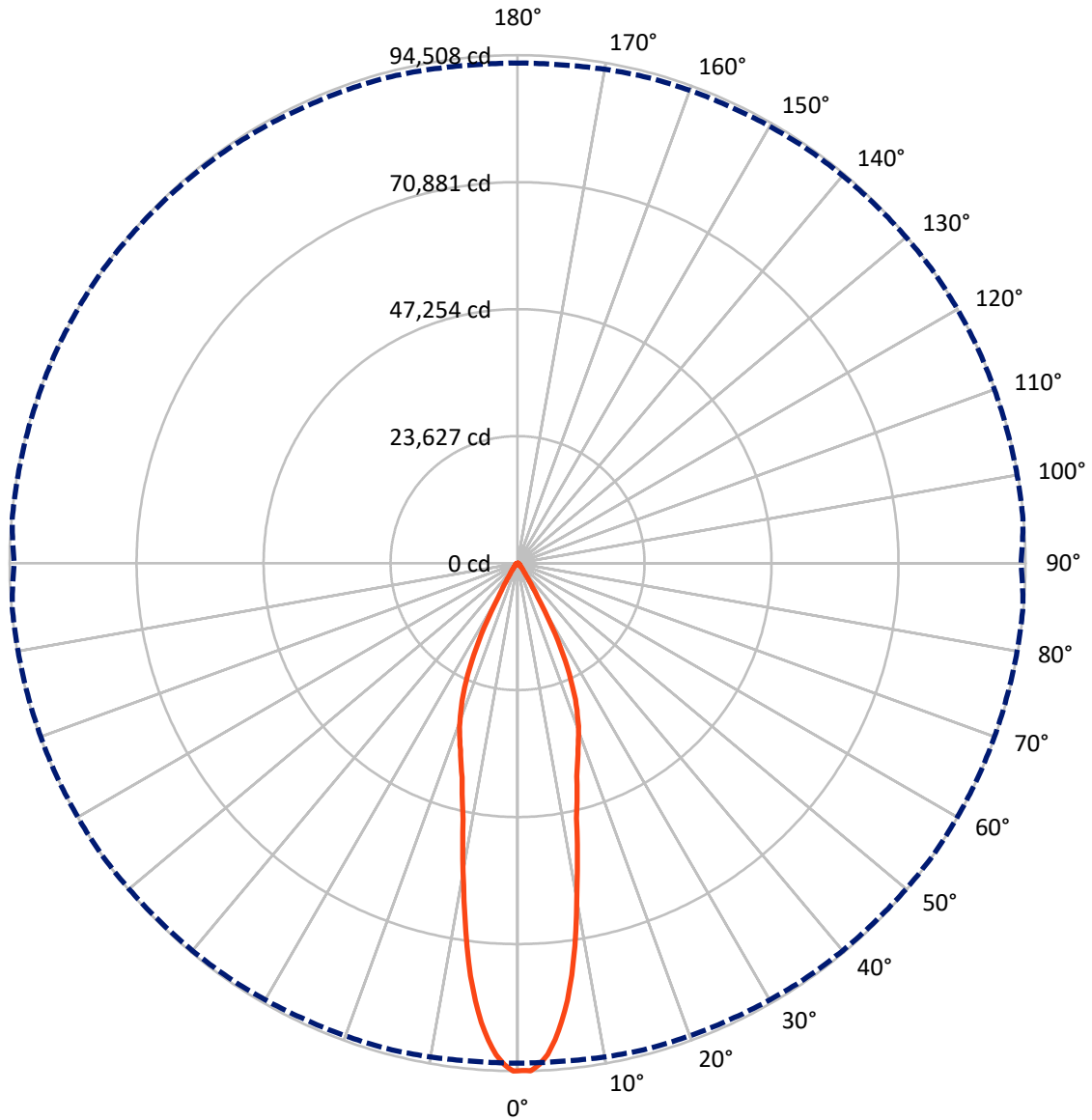
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 236 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	15725.4	0.0	15725.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15725.4	0.0	15725.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	31450.8	0.0	31450.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7182.5	22.8
10°-20°	11730.9	37.3
20°-30°	9166.9	29.1
30°-40°	1998.1	6.4
40°-50°	591.6	1.9
50°-60°	370.0	1.2
60°-70°	258.8	0.8
70°-80°	111.0	0.4
80°-90°	41.0	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°	31450.8	100.0
0°-180°	31450.8	100.0



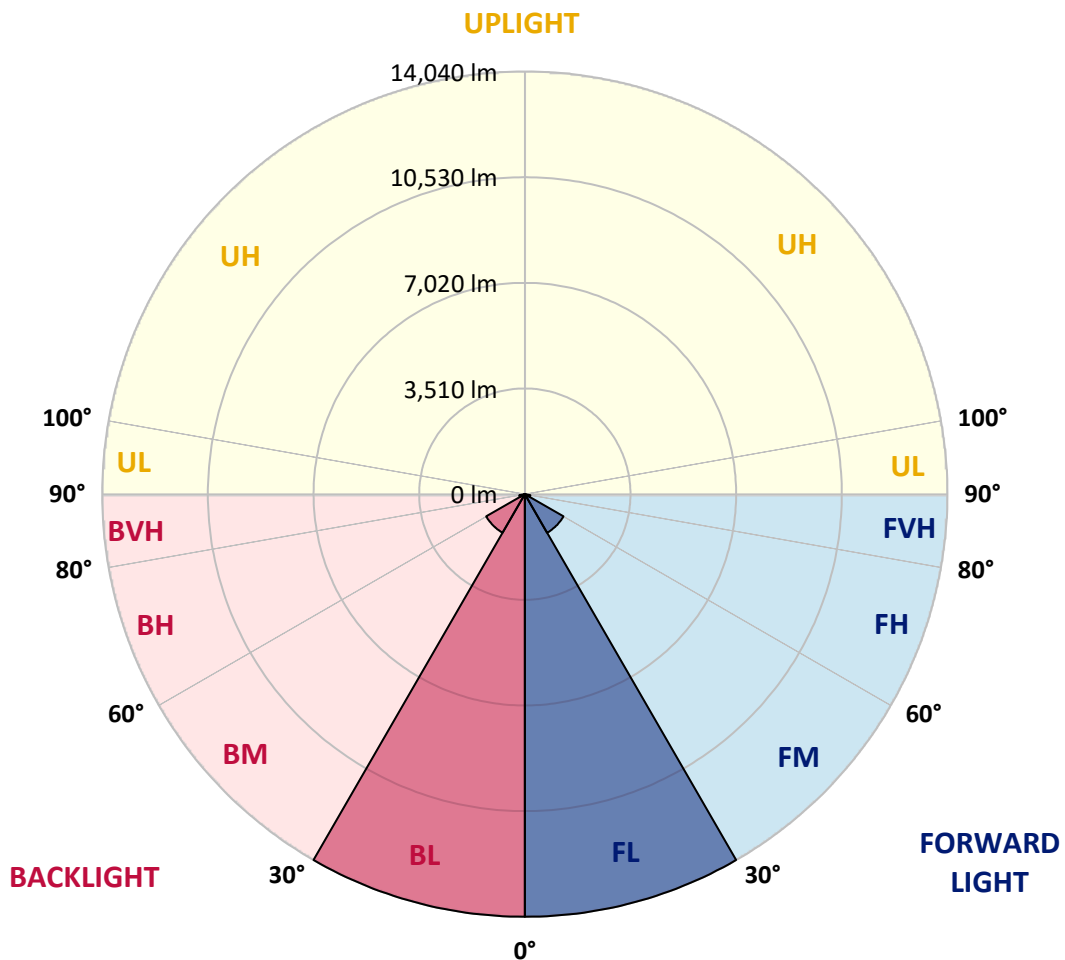
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14040.1	44.6			
FM (30°-60°)	1479.9	4.7			
FH (60°-80°)	184.9	0.6			G0/660
FVH (80°-90°)	20.5	0.1			G1/100
BL (0°-30°)	14040.1	44.6	B5		
BM (30°-60°)	1479.9	4.7	B2/2500		
BH (60°-80°)	184.9	0.6	B1/500		G0/660
BVH (80°-90°)	20.5	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°	94400.0	94400.0	94400.0	94400.0	94400.0	94400.0	94400.0	94400.0	94400.0	94400.0
1°	93033.5	93044.9	93551.6	93665.5	94012.8	94189.3	94508.1	94474.0	94377.2	94388.6
2°	91319.7	91245.7	91718.3	92242.1	92657.7	92999.3	93380.8	93460.5	93369.4	93454.8
3°	88501.4	88393.2	89053.7	89708.4	90431.5	91018.0	91593.0	91615.8	91507.6	91501.9
4°	84794.9	84595.6	85381.3	86548.5	87459.5	88239.5	88956.9	88945.5	88797.5	88917.0
5°	80314.0	80063.5	81082.6	82619.9	83969.3	84908.7	85700.1	85512.3	85170.6	85187.7
6°	74814.0	75058.8	76305.7	78463.6	80057.8	80837.8	81811.4	81458.4	80866.3	80803.6
7°	69644.2	70196.5	71192.8	73794.8	75690.8	76510.7	77336.2	76624.5	75821.7	75690.8
8°	64201.1	65123.5	66501.3	68898.3	70919.5	71745.1	72058.3	71295.3	70435.6	70401.4
9°	59788.5	60420.5	61604.8	63717.1	65772.5	66324.8	66393.1	65727.0	64867.2	64924.2
10°	55774.6	55894.1	56919.0	58735.2	60380.7	60773.5	60756.5	60272.5	59566.5	59754.4
12.5°	46790.0	47114.6	47410.6	47991.4	48543.7	48799.9	48703.1	48503.8	48116.7	48133.7
15°	40692.2	40686.5	40720.7	40988.3	41153.4	41181.8	41181.8	40931.3	40766.2	41011.0
17.5°	35311.7	35607.8	36137.3	36353.7	36570.0	36490.3	36342.3	36228.4	36120.2	36330.9
20°	31126.9	31257.9	31263.6	31405.9	32499.1	32556.0	32368.1	32043.6	31770.3	31719.1
22.5°	26418.3	26617.6	26703.0	26828.3	26942.1	27773.4	27551.4	27027.5	26703.0	26606.2
25°	19830.8	19762.5	20320.5	21345.3	21510.4	21612.9	21556.0	21282.7	21072.0	21111.9
27.5°	13704.5	13824.1	13801.3	13812.7	14900.2	14894.5	14877.4	14638.3	14575.6	14484.5
30°	7663.6	7606.7	7635.1	7561.1	7407.4	7595.3	7293.5	7549.7	7299.2	7378.9
32.5°	4532.1	4492.3	4452.4	4469.5	4355.6	4076.6	3957.1	4133.6	4076.6	4053.8
35°	2892.4	2909.4	2960.7	2955.0	2852.5	2693.1	2522.3	2681.7	2658.9	2590.6
37.5°	1844.7	1844.7	1861.8	2009.8	1924.4	1787.8	1668.2	1736.5	1730.9	1719.5
40°	1309.5	1309.5	1332.3	1372.2	1326.6	1258.3	1190.0	1190.0	1201.4	1167.2
42.5°	973.6	973.6	996.4	1019.2	962.2	939.4	905.3	882.5	911.0	882.5
45°	762.9	757.2	762.9	751.6	717.4	717.4	688.9	654.8	688.9	671.8
47.5°	626.3	620.6	614.9	592.1	558.0	563.7	552.3	523.8	540.9	535.2
50°	546.6	535.2	540.9	518.1	489.7	484.0	484.0	455.5	461.2	461.2
52.5°	478.3	478.3	472.6	461.2	449.8	427.0	432.7	404.2	404.2	404.2
55°	449.8	449.8	438.4	415.6	421.3	404.2	387.2	370.1	364.4	364.4
57.5°	444.1	444.1	438.4	415.6	398.6	392.9	370.1	347.3	330.2	335.9
60°	432.7	432.7	421.3	415.6	387.2	375.8	341.6	324.5	301.8	301.8
62.5°	415.6	409.9	387.2	353.0	353.0	324.5	301.8	267.6	250.5	244.8
65°	353.0	347.3	330.2	301.8	284.7	267.6	233.4	199.3	187.9	170.8
67.5°	290.4	290.4	279.0	250.5	239.1	216.4	176.5	153.7	125.3	113.9
70°	239.1	239.1	227.7	210.7	199.3	170.8	136.6	113.9	85.4	74.0
72.5°	193.6	193.6	182.2	170.8	159.4	142.3	113.9	85.4	56.9	45.5
75°	153.7	153.7	148.0	136.6	125.3	113.9	91.1	68.3	39.9	22.8
77.5°	125.3	125.3	119.6	113.9	102.5	91.1	74.0	56.9	28.5	11.4
80°	96.8	96.8	96.8	96.8	85.4	74.0	62.6	45.5	22.8	5.7
82.5°	68.3	68.3	74.0	85.4	68.3	56.9	56.9	45.5	17.1	5.7
85°	45.5	51.2	56.9	51.2	45.5	45.5	79.7	74.0	17.1	5.7
87.5°	22.8	22.8	22.8	22.8	22.8	17.1	22.8	17.1	11.4	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°
94400.0
93688.3
92783.0
91006.6
88353.4
84356.5
79972.4
75070.2
69154.5
64075.8
59093.9
47570.1
40441.7
35846.9
31388.8
26258.9
20975.2
14154.3
7475.7
3996.9
2516.6
1696.7
1155.8
876.8
671.8
535.2
466.9
404.2
358.7
335.9
284.7
233.4
165.1
108.2
68.3
39.9
17.1
11.4
5.7
5.7
5.7
0.0
0.0

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