

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: P636186

Luminaire Tested: **IFLD-S-SA2A-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636186
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-935-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5866.4 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

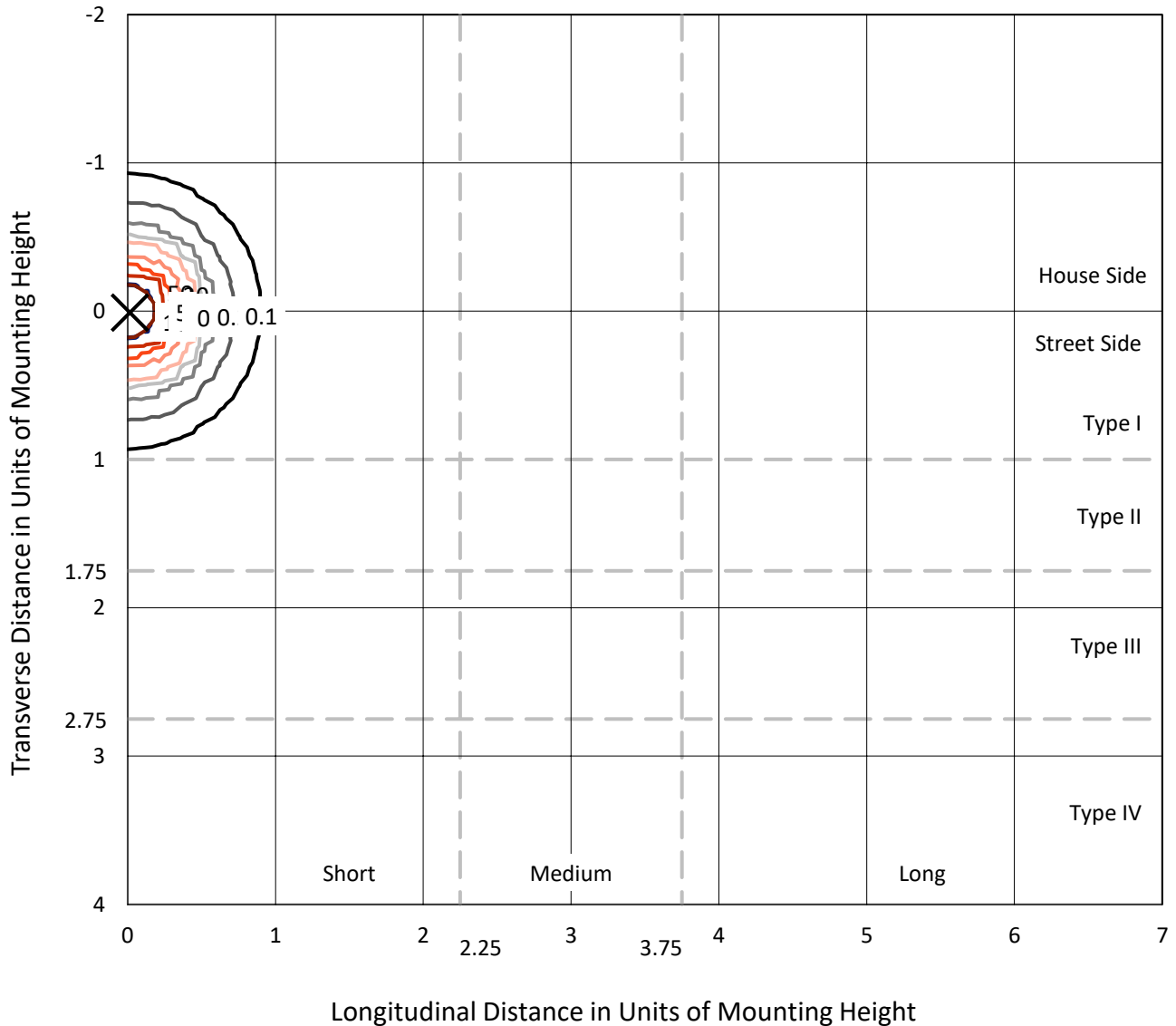
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

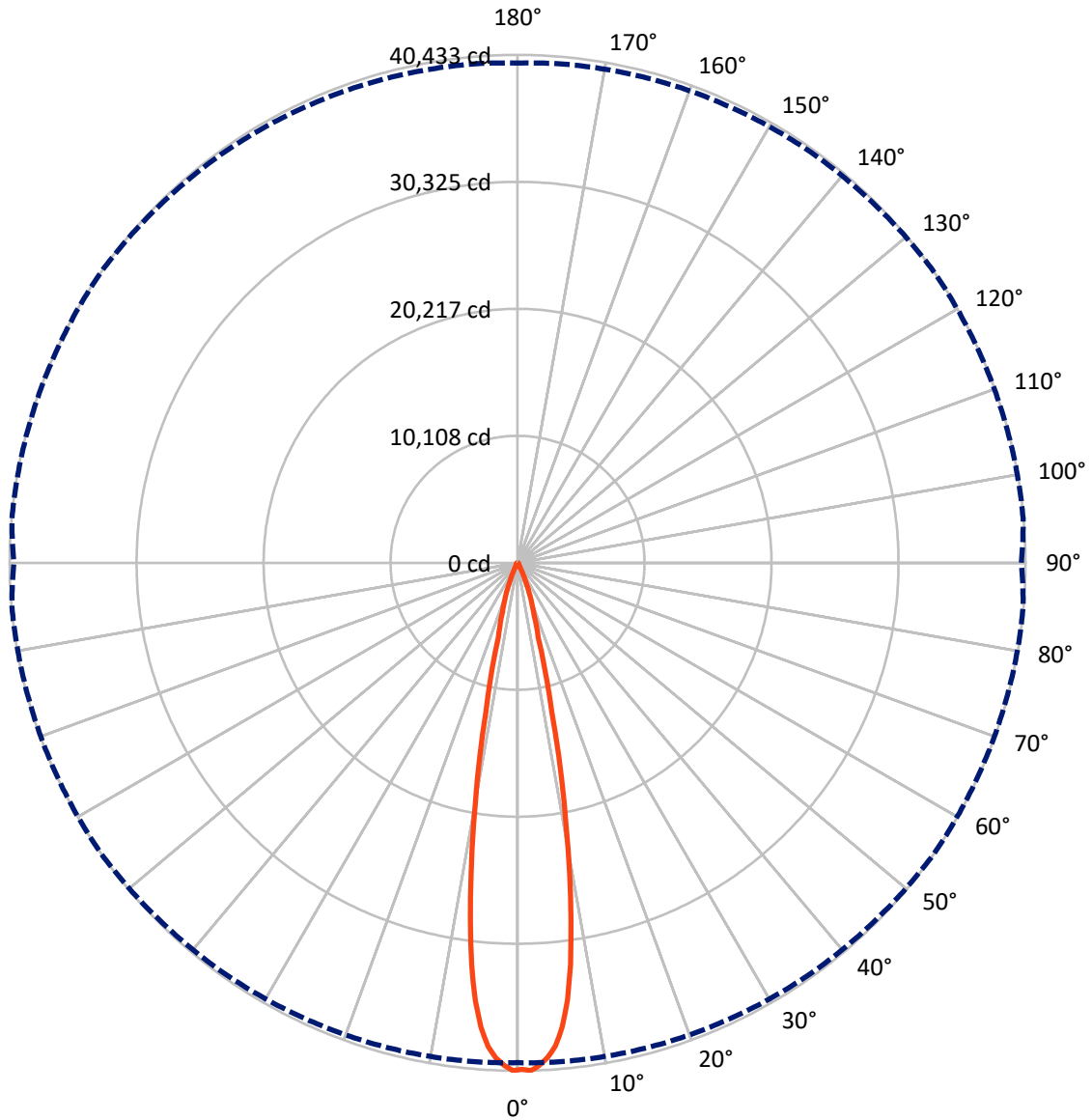
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 100.8 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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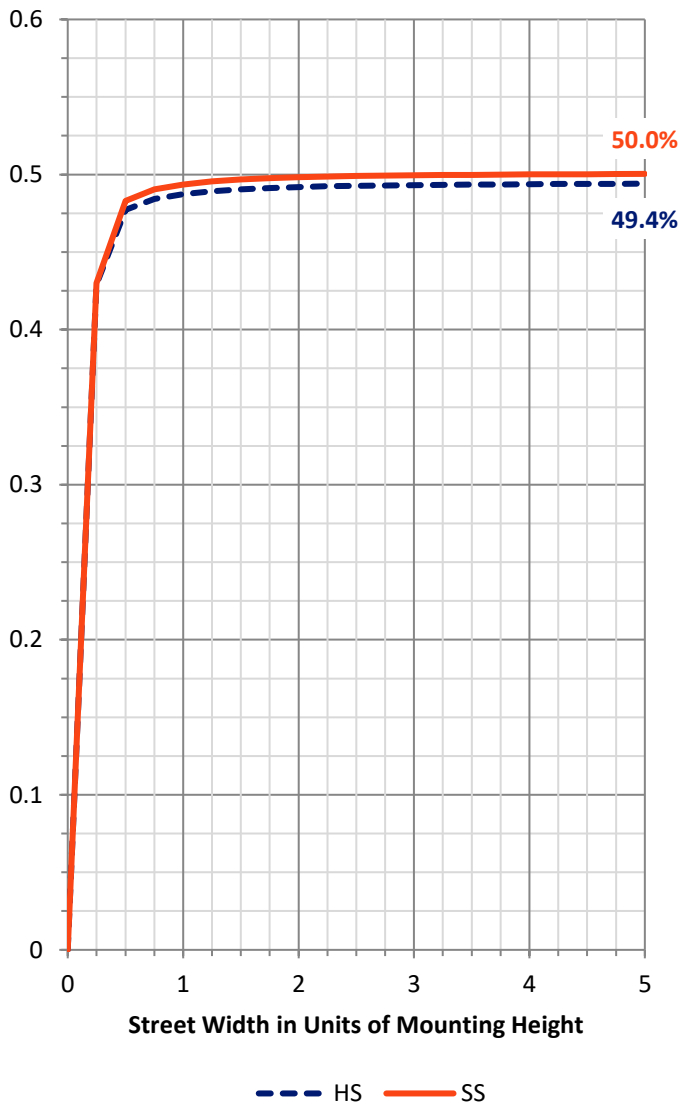
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2933.2	0.0	2933.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2933.2	0.0	2933.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5866.4	0.0	5866.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2980.6	50.8
10°-20°	2112.4	36.0
20°-30°	495.0	8.4
30°-40°	103.4	1.8
40°-50°	66.7	1.1
50°-60°	49.4	0.8
60°-70°	33.6	0.6
70°-80°	17.9	0.3
80°-90°	7.3	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°	5866.4	100.0
0°-180°	5866.4	100.0

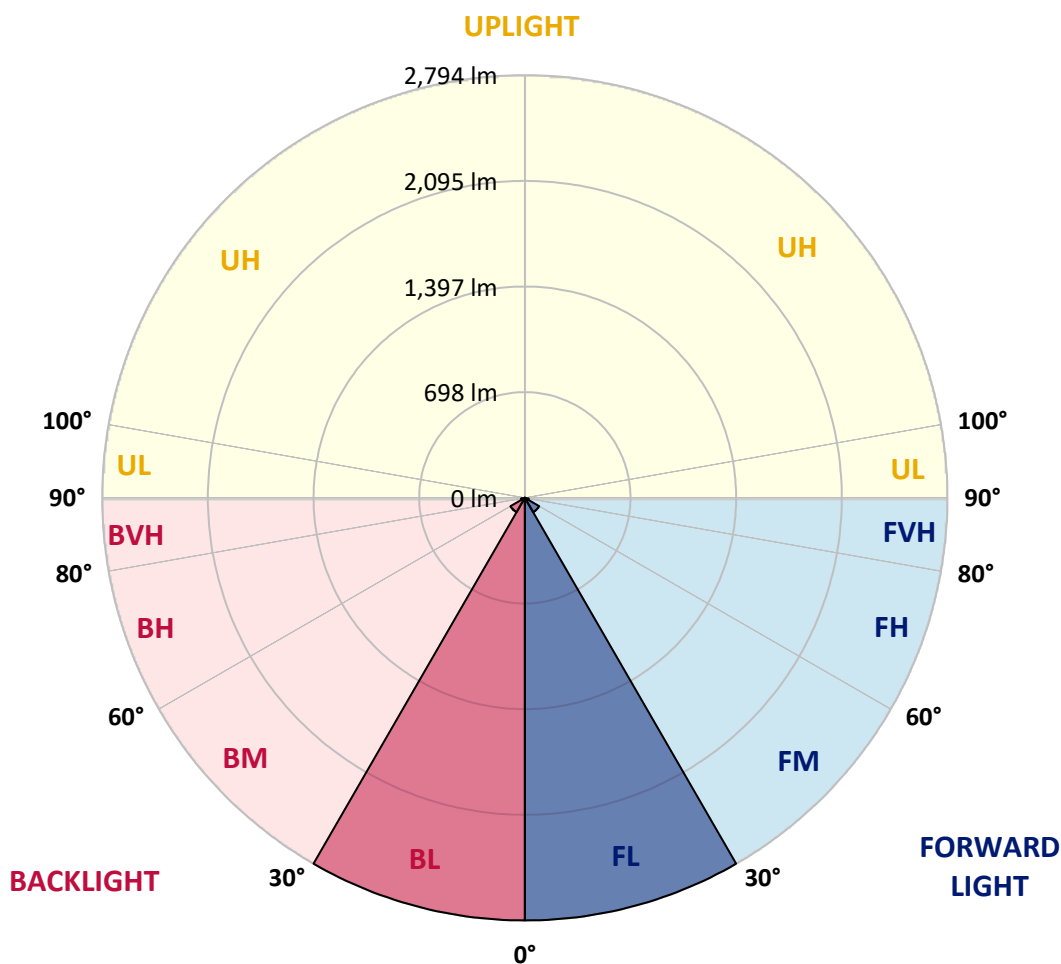


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2794.0	47.6			
FM (30°-60°)	109.8	1.9			
FH (60°-80°)	25.8	0.4			G0/660
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	2794.0	47.6	B4/5000		
BM (30°-60°)	109.8	1.9	B0/220		
BH (60°-80°)	25.8	0.4	B0/110		G0/660
BVH (80°-90°)	3.7	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°	40329.5	40329.5	40329.5	40329.5	40329.5	40329.5	40329.5	40329.5	40329.5	40329.5
1°	39786.9	39860.6	39950.8	40032.8	40156.2	40256.9	40433.2	40395.9	40390.7	40398.0
2°	39016.1	39108.4	39247.4	39329.4	39647.9	39778.6	40045.2	40124.1	40060.8	40132.4
3°	37861.4	37937.1	38155.0	38315.8	38728.7	39081.4	39438.3	39556.6	39482.9	39516.1
4°	36486.7	36564.5	36828.0	37155.9	37752.4	38143.5	38571.0	38676.8	38436.1	38452.7
5°	34850.6	34886.9	35209.6	35508.4	36222.2	36696.3	37101.9	37135.1	36915.2	36831.1
6°	33010.2	32944.8	33241.5	33368.1	34255.1	34738.6	35035.3	34996.9	34829.9	34758.3
7°	30823.2	30733.9	30973.6	30905.1	31690.5	31966.5	32251.8	32121.0	31988.2	32153.2
8°	28292.8	28243.0	28088.4	28368.5	28524.1	28771.1	28770.0	28694.3	28690.1	28965.1
9°	24613.9	25073.5	24937.6	25231.2	25191.8	25180.4	25104.6	25055.9	24848.4	25164.8
10°	20574.0	20874.9	21104.2	21542.0	21456.9	21577.3	21156.0	21227.6	21089.6	21351.1
12.5°	10649.6	10987.8	11186.0	11520.0	11887.3	12262.9	12141.5	12016.0	11828.2	12058.5
15°	5242.3	5376.2	5439.4	5778.7	6040.1	6134.5	6149.1	6038.1	5990.3	6040.1
17.5°	3217.2	3263.9	3447.5	3837.6	4063.8	4119.8	4083.5	3962.1	3826.2	3769.1
20°	2329.1	2342.6	2412.1	2487.8	2789.8	2947.4	2889.3	2770.0	2644.5	2585.4
22.5°	1520.9	1534.4	1557.2	1598.7	1679.7	1874.7	1811.4	1730.5	1645.4	1627.8
25°	861.1	861.1	885.0	927.5	987.7	1002.2	1014.6	928.5	889.1	871.5
27.5°	480.3	483.5	488.6	505.2	535.3	532.2	518.7	495.9	468.9	440.9
30°	265.6	268.7	271.8	276.0	281.2	271.8	263.5	259.4	248.0	244.8
32.5°	199.2	199.2	201.3	200.2	195.0	183.6	178.4	184.7	183.6	178.4
35°	163.9	163.9	166.0	170.1	159.8	151.5	147.3	155.6	155.6	152.5
37.5°	133.8	134.9	135.9	141.1	138.0	128.6	127.6	129.7	130.7	129.7
40°	117.2	116.2	116.2	117.2	115.2	113.1	111.0	110.0	111.0	110.0
42.5°	101.7	100.6	102.7	100.6	96.5	97.5	97.5	94.4	95.4	93.4
45°	89.2	88.2	89.2	87.1	84.0	85.1	85.1	80.9	80.9	79.9
47.5°	78.8	78.8	78.8	79.9	74.7	73.7	74.7	73.7	70.5	69.5
50°	68.5	69.5	70.5	72.6	67.4	65.4	65.4	65.4	63.3	62.2
52.5°	63.3	64.3	64.3	64.3	61.2	59.1	59.1	58.1	57.1	56.0
55°	61.2	61.2	61.2	57.1	56.0	55.0	51.9	50.8	49.8	49.8
57.5°	58.1	58.1	57.1	53.9	50.8	50.8	46.7	45.6	44.6	44.6
60°	51.9	51.9	51.9	50.8	46.7	45.6	41.5	39.4	38.4	38.4
62.5°	47.7	47.7	47.7	43.6	42.5	39.4	36.3	33.2	32.2	30.1
65°	43.6	43.6	43.6	39.4	37.3	34.2	30.1	27.0	24.9	21.8
67.5°	40.5	40.5	39.4	36.3	33.2	29.0	24.9	21.8	17.6	15.6
70°	35.3	35.3	34.2	32.2	29.0	25.9	20.7	16.6	13.5	10.4
72.5°	30.1	30.1	29.0	27.0	24.9	21.8	17.6	14.5	9.3	7.3
75°	24.9	24.9	23.9	21.8	20.7	18.7	15.6	11.4	7.3	3.1
77.5°	20.7	20.7	19.7	18.7	17.6	15.6	13.5	9.3	5.2	2.1
80°	15.6	16.6	16.6	16.6	14.5	13.5	12.4	9.3	4.1	1.0
82.5°	11.4	12.4	12.4	12.4	11.4	10.4	11.4	8.3	4.1	1.0
85°	8.3	8.3	9.3	9.3	9.3	9.3	12.4	9.3	3.1	1.0
87.5°	4.1	4.1	4.1	4.1	4.1	5.2	6.2	5.2	2.1	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°
40329.5
40108.5
39860.6
39267.1
38205.8
36655.8
34597.5
32102.4
28202.5
24574.5
20680.9
11435.0
5807.7
3689.2
2539.7
1591.5
856.9
442.0
244.8
175.3
151.5
129.7
111.0
94.4
79.9
69.5
61.2
55.0
48.8
44.6
37.3
28.0
21.8
14.5
10.4
6.2
3.1
1.0
1.0
1.0
1.0
0.0
0.0

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