

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: P636332

Luminaire Tested: **IFLD-S-SA2B-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636332
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7087.8 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

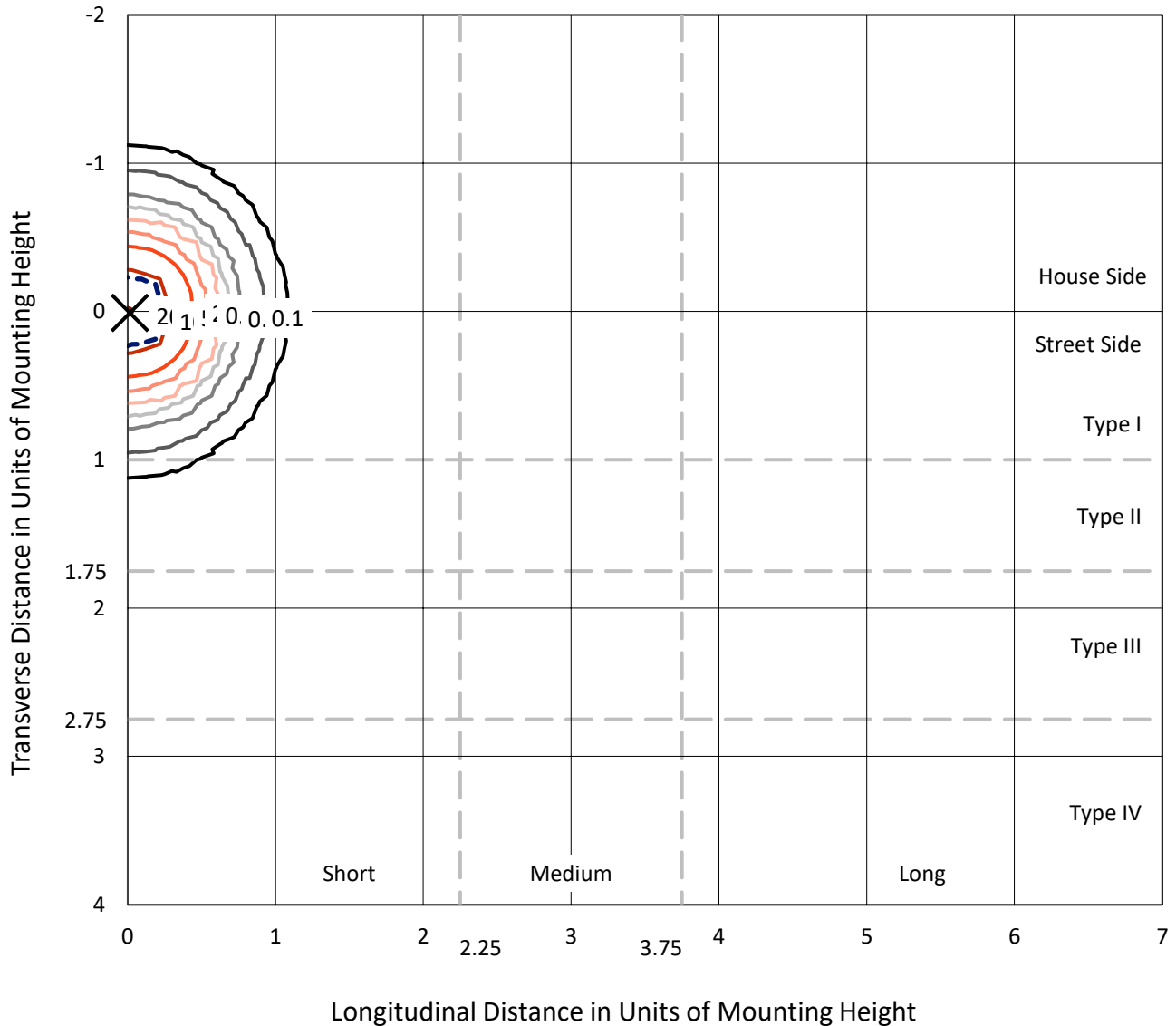
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

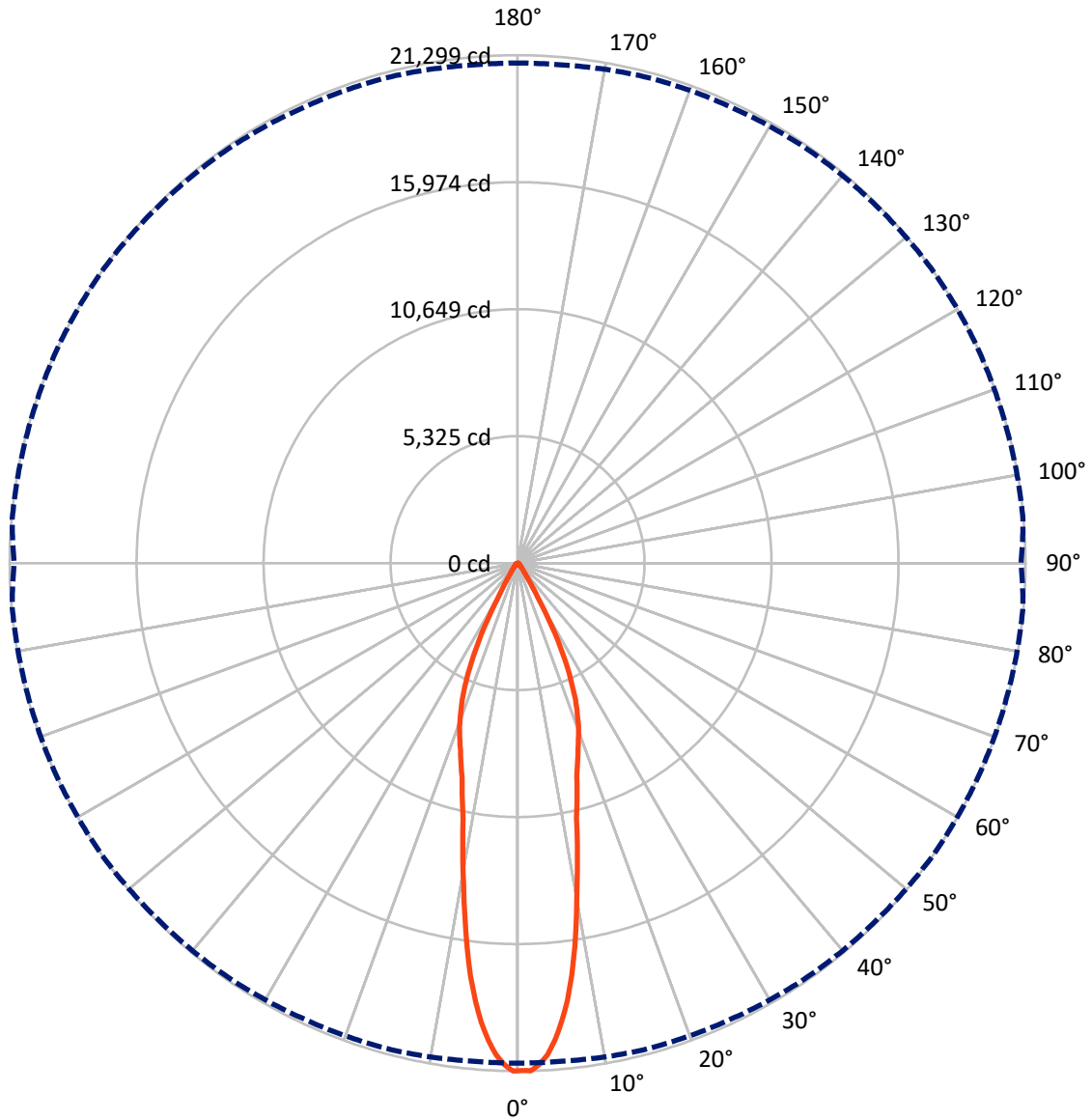
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 53.2 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	3543.9	0.0	3543.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3543.9	0.0	3543.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7087.8	0.0	7087.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1618.7	22.8
10°-20°	2643.7	37.3
20°-30°	2065.9	29.1
30°-40°	450.3	6.4
40°-50°	133.3	1.9
50°-60°	83.4	1.2
60°-70°	58.3	0.8
70°-80°	25.0	0.4
80°-90°	9.2	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°	7087.8	100.0
0°-180°	7087.8	100.0

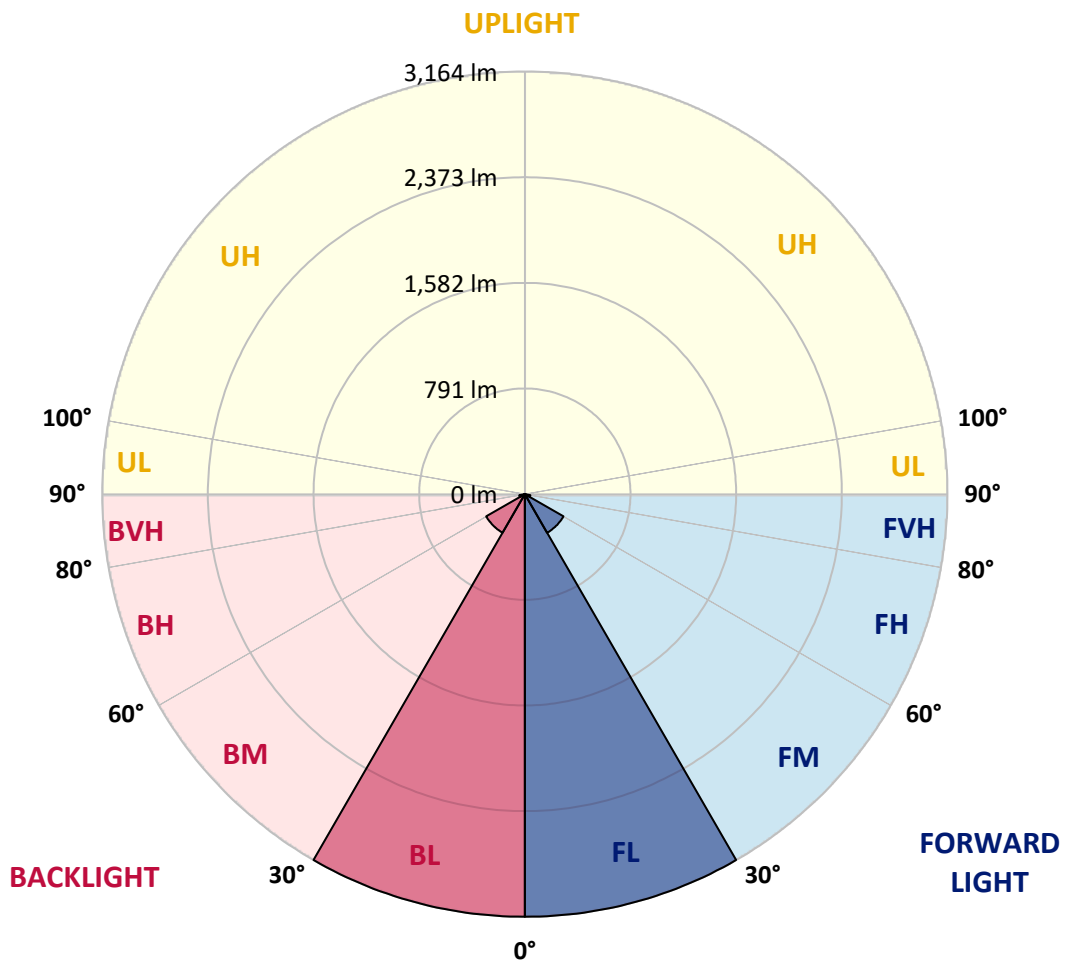


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3164.1	44.6			
FM (30°-60°)	333.5	4.7			
FH (60°-80°)	41.7	0.6			G0/660
FVH (80°-90°)	4.6	0.1			G0/10
BL (0°-30°)	3164.1	44.6	B4/5000		
BM (30°-60°)	333.5	4.7	B1/1000		
BH (60°-80°)	41.7	0.6	B0/110		G0/660
BVH (80°-90°)	4.6	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°	21274.2	21274.2	21274.2	21274.2	21274.2	21274.2	21274.2	21274.2	21274.2	21274.2
1°	20966.3	20968.8	21083.0	21108.7	21187.0	21226.8	21298.6	21290.9	21269.1	21271.7
2°	20580.1	20563.4	20669.9	20787.9	20881.6	20958.6	21044.6	21062.5	21042.0	21061.2
3°	19944.9	19920.5	20069.4	20216.9	20379.9	20512.1	20641.7	20646.8	20622.4	20621.1
4°	19109.6	19064.7	19241.8	19504.8	19710.1	19885.9	20047.6	20045.0	20011.6	20038.6
5°	18099.8	18043.3	18273.0	18619.4	18923.5	19135.3	19313.6	19271.3	19194.3	19198.1
6°	16860.3	16915.5	17196.5	17682.8	18042.0	18217.8	18437.2	18357.7	18224.2	18210.1
7°	15695.2	15819.7	16044.2	16630.6	17057.9	17242.6	17428.7	17268.3	17087.4	17057.9
8°	14468.5	14676.4	14986.9	15527.1	15982.6	16168.7	16239.2	16067.3	15873.6	15865.9
9°	13474.1	13616.5	13883.4	14359.5	14822.7	14947.1	14962.5	14812.4	14618.7	14631.5
10°	12569.5	12596.4	12827.4	13236.7	13607.6	13696.1	13692.2	13583.2	13424.1	13466.4
12.5°	10544.7	10617.9	10684.6	10815.5	10939.9	10997.7	10975.9	10931.0	10843.7	10847.5
15°	9170.5	9169.2	9176.9	9237.2	9274.4	9280.9	9280.9	9224.4	9187.2	9242.4
17.5°	7957.9	8024.7	8144.0	8192.8	8241.5	8223.6	8190.2	8164.5	8140.2	8187.6
20°	7014.9	7044.4	7045.6	7077.7	7324.1	7336.9	7294.6	7221.4	7159.8	7148.3
22.5°	5953.7	5998.6	6017.9	6046.1	6071.8	6259.1	6209.0	6091.0	6017.9	5996.0
25°	4469.1	4453.7	4579.5	4810.4	4847.7	4870.7	4857.9	4796.3	4748.8	4757.8
27.5°	3088.5	3115.4	3110.3	3112.9	3357.9	3356.7	3352.8	3298.9	3284.8	3264.3
30°	1727.1	1714.3	1720.7	1704.0	1669.3	1711.7	1643.7	1701.4	1645.0	1662.9
32.5°	1021.4	1012.4	1003.4	1007.3	981.6	918.7	891.8	931.5	918.7	913.6
35°	651.8	655.7	667.2	665.9	642.8	606.9	568.4	604.4	599.2	583.8
37.5°	415.7	415.7	419.6	452.9	433.7	402.9	376.0	391.4	390.1	387.5
40°	295.1	295.1	300.3	309.2	299.0	283.6	268.2	268.2	270.7	263.0
42.5°	219.4	219.4	224.5	229.7	216.8	211.7	204.0	198.9	205.3	198.9
45°	171.9	170.7	171.9	169.4	161.7	161.7	155.3	147.6	155.3	151.4
47.5°	141.1	139.9	138.6	133.4	125.7	127.0	124.5	118.0	121.9	120.6
50°	123.2	120.6	121.9	116.8	110.3	109.1	109.1	102.7	103.9	103.9
52.5°	107.8	107.8	106.5	103.9	101.4	96.2	97.5	91.1	91.1	91.1
55°	101.4	101.4	98.8	93.7	95.0	91.1	87.3	83.4	82.1	82.1
57.5°	100.1	100.1	98.8	93.7	89.8	88.5	83.4	78.3	74.4	75.7
60°	97.5	97.5	95.0	93.7	87.3	84.7	77.0	73.1	68.0	68.0
62.5°	93.7	92.4	87.3	79.6	79.6	73.1	68.0	60.3	56.5	55.2
65°	79.6	78.3	74.4	68.0	64.2	60.3	52.6	44.9	42.3	38.5
67.5°	65.4	65.4	62.9	56.5	53.9	48.8	39.8	34.6	28.2	25.7
70°	53.9	53.9	51.3	47.5	44.9	38.5	30.8	25.7	19.2	16.7
72.5°	43.6	43.6	41.1	38.5	35.9	32.1	25.7	19.2	12.8	10.3
75°	34.6	34.6	33.4	30.8	28.2	25.7	20.5	15.4	9.0	5.1
77.5°	28.2	28.2	26.9	25.7	23.1	20.5	16.7	12.8	6.4	2.6
80°	21.8	21.8	21.8	21.8	19.2	16.7	14.1	10.3	5.1	1.3
82.5°	15.4	15.4	16.7	19.2	15.4	12.8	12.8	10.3	3.8	1.3
85°	10.3	11.5	12.8	11.5	10.3	10.3	18.0	16.7	3.8	1.3
87.5°	5.1	5.1	5.1	5.1	5.1	3.8	5.1	3.8	2.6	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°
21274.2
21113.8
20909.8
20509.5
19911.6
19010.8
18022.8
16918.0
15584.9
14440.3
13317.6
10720.5
9114.0
8078.6
7073.9
5917.8
4727.0
3189.9
1684.7
900.8
567.1
382.4
260.5
197.6
151.4
120.6
105.2
91.1
80.8
75.7
64.2
52.6
37.2
24.4
15.4
9.0
3.8
2.6
1.3
1.3
1.3
0.0
0.0

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