

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: P636366

Luminaire Tested: **IFLD-S-SA3B-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636366
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11495.2 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

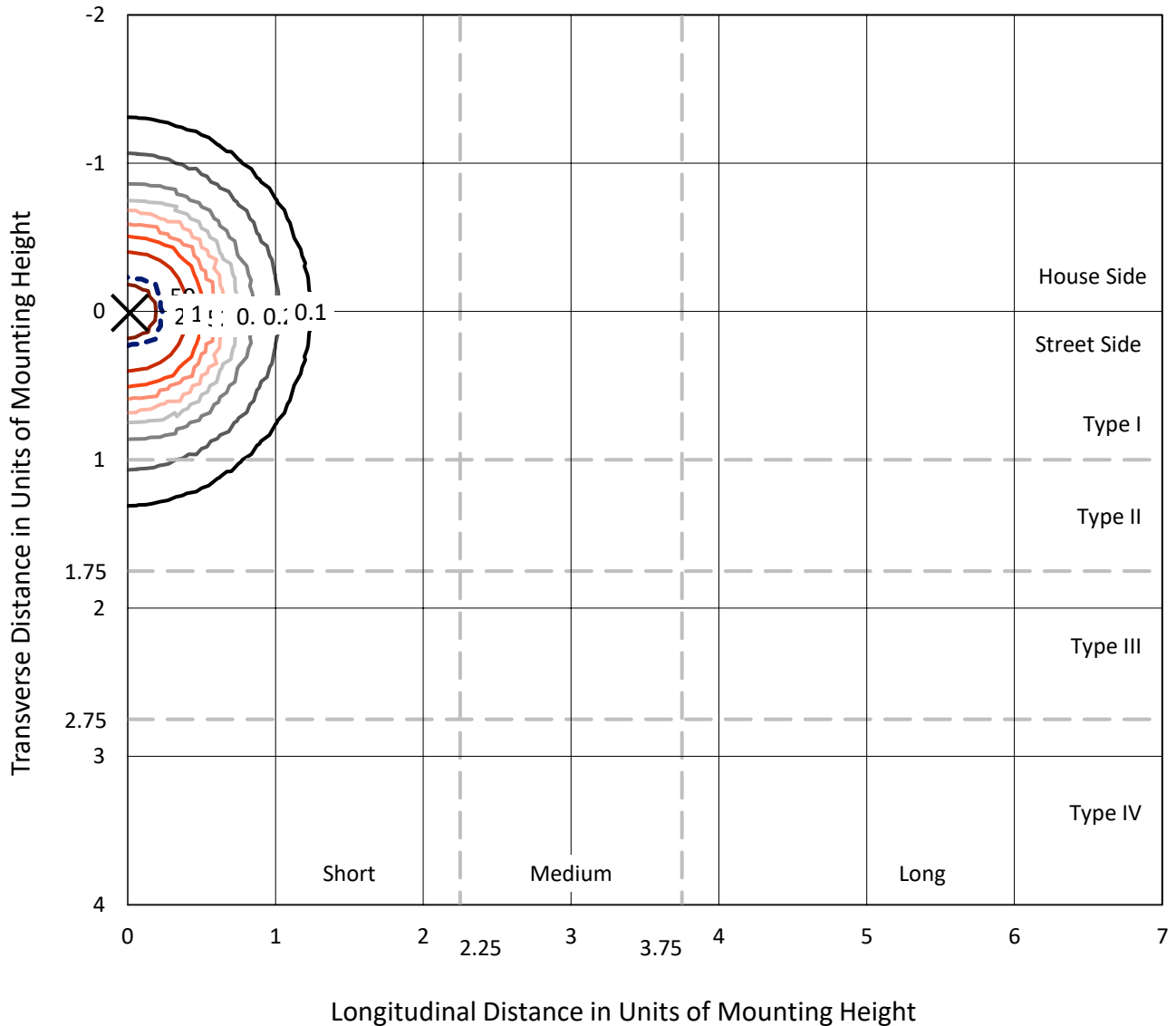
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

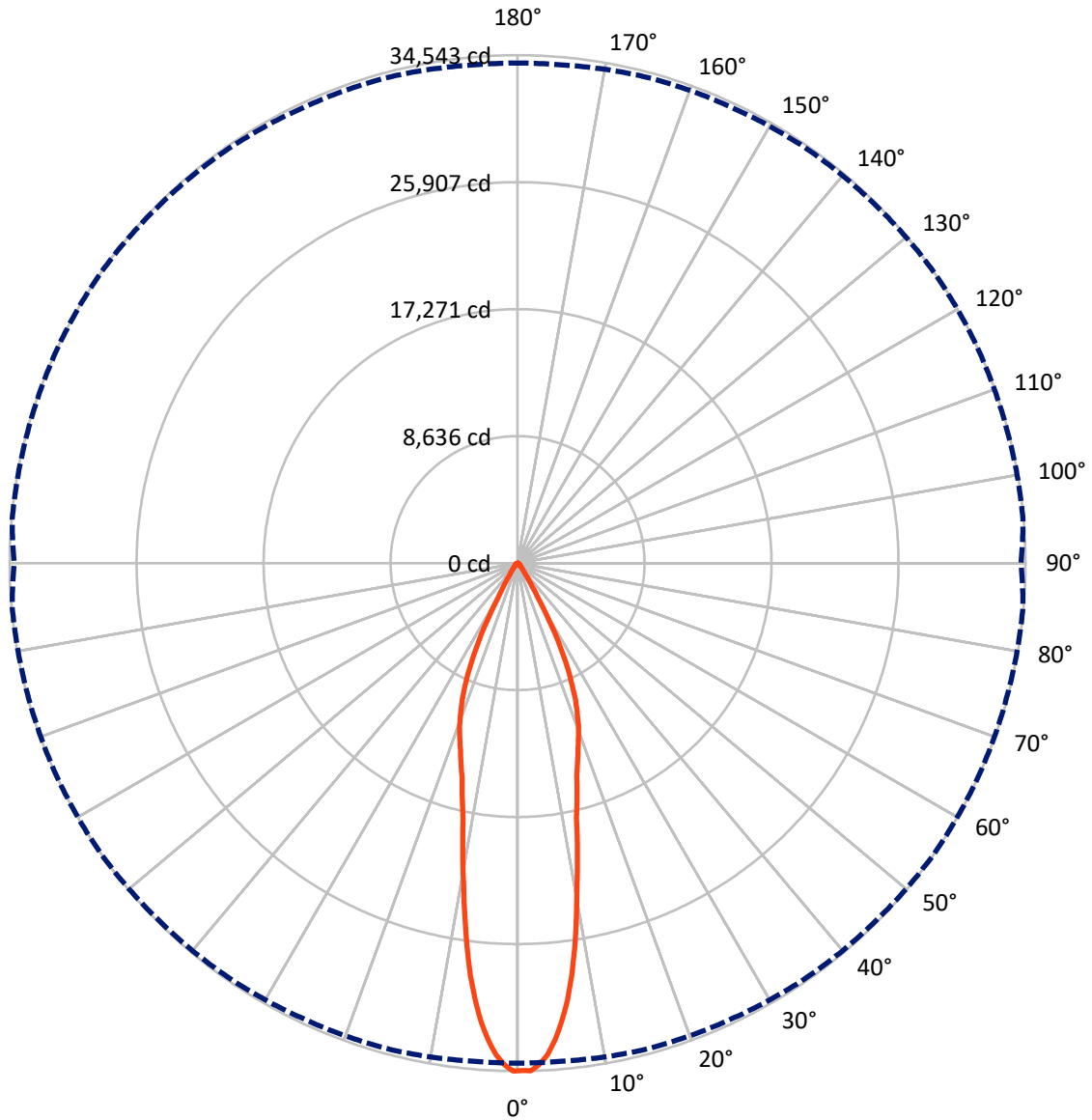
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 86.3 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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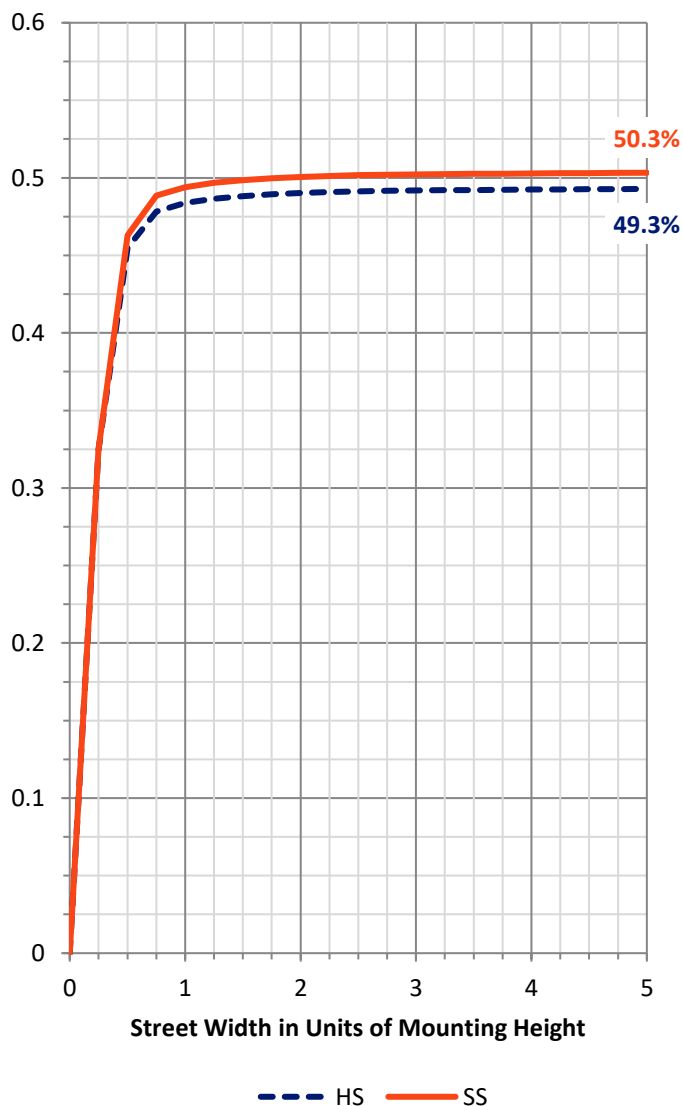
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5747.6	0.0	5747.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5747.6	0.0	5747.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11495.2	0.0	11495.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2625.2	22.8
10°-20°	4287.6	37.3
20°-30°	3350.5	29.1
30°-40°	730.3	6.4
40°-50°	216.2	1.9
50°-60°	135.2	1.2
60°-70°	94.6	0.8
70°-80°	40.6	0.4
80°-90°	15.0	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°	11495.2	100.0
0°-180°	11495.2	100.0

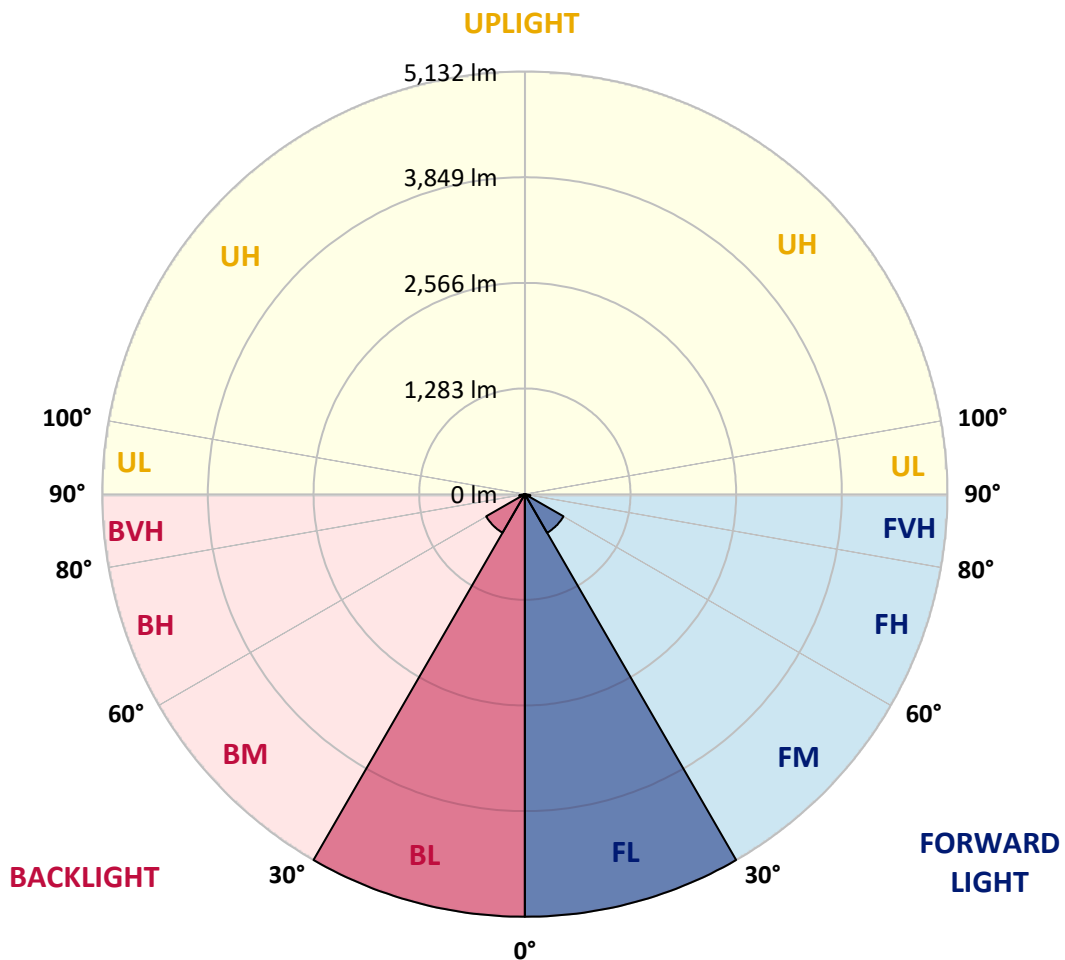


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5131.6	44.6			
FM (30°-60°)	540.9	4.7			
FH (60°-80°)	67.6	0.6			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	5131.6	44.6	B5		
BM (30°-60°)	540.9	4.7	B1/1000		
BH (60°-80°)	67.6	0.6	B0/110		G0/660
BVH (80°-90°)	7.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	34503.0	34503.0	34503.0	34503.0	34503.0	34503.0	34503.0	34503.0	34503.0	34503.0
1°	34003.5	34007.7	34192.9	34234.5	34361.5	34426.0	34542.5	34530.0	34494.6	34498.8
2°	33377.2	33350.1	33522.8	33714.3	33866.2	33991.0	34130.5	34159.6	34126.3	34157.5
3°	32347.1	32307.5	32548.9	32788.2	33052.5	33266.9	33477.0	33485.4	33445.8	33443.7
4°	30992.3	30919.5	31206.7	31633.3	31966.2	32251.3	32513.5	32509.4	32455.3	32499.0
5°	29354.6	29263.0	29635.5	30197.4	30690.6	31033.9	31323.2	31254.5	31129.7	31135.9
6°	27344.3	27433.8	27889.6	28678.3	29260.9	29546.0	29901.9	29772.9	29556.4	29533.5
7°	25454.8	25656.6	26020.8	26971.8	27664.8	27964.5	28266.2	28006.1	27712.7	27664.8
8°	23465.3	23802.5	24306.1	25182.2	25920.9	26222.7	26337.1	26058.3	25744.0	25731.6
9°	21852.6	22083.6	22516.4	23288.5	24039.7	24241.6	24266.5	24023.1	23708.8	23729.6
10°	20385.5	20429.2	20803.8	21467.6	22069.0	22212.6	22206.3	22029.5	21771.4	21840.1
12.5°	17101.7	17220.3	17328.5	17540.7	17742.6	17836.2	17800.9	17728.0	17586.5	17592.8
15°	14872.9	14870.8	14883.3	14981.1	15041.5	15051.9	15051.9	14960.3	14900.0	14989.4
17.5°	12906.4	13014.6	13208.1	13287.2	13366.3	13337.1	13283.0	13241.4	13201.9	13278.9
20°	11376.8	11424.7	11426.8	11478.8	11878.3	11899.2	11830.5	11711.9	11612.0	11593.2
22.5°	9655.8	9728.7	9759.9	9805.7	9847.3	10151.1	10070.0	9878.5	9759.9	9724.5
25°	7248.1	7223.1	7427.1	7801.7	7862.0	7899.5	7878.7	7778.8	7701.8	7716.3
27.5°	5009.0	5052.7	5044.3	5048.5	5446.0	5443.9	5437.7	5350.2	5327.4	5294.1
30°	2801.0	2780.2	2790.6	2763.6	2707.4	2776.1	2665.8	2759.4	2667.8	2697.0
32.5°	1656.5	1641.9	1627.3	1633.6	1592.0	1490.0	1446.3	1510.8	1490.0	1481.7
35°	1057.1	1063.4	1082.1	1080.0	1042.6	984.3	921.9	980.2	971.8	946.9
37.5°	674.2	674.2	680.5	734.6	703.4	653.4	609.7	634.7	632.6	628.5
40°	478.6	478.6	487.0	501.5	484.9	459.9	434.9	434.9	439.1	426.6
42.5°	355.9	355.9	364.2	372.5	351.7	343.4	330.9	322.6	333.0	322.6
45°	278.9	276.8	278.9	274.7	262.2	262.2	251.8	239.3	251.8	245.6
47.5°	228.9	226.8	224.7	216.4	203.9	206.0	201.9	191.5	197.7	195.6
50°	199.8	195.6	197.7	189.4	179.0	176.9	176.9	166.5	168.6	168.6
52.5°	174.8	174.8	172.7	168.6	164.4	156.1	158.2	147.8	147.8	147.8
55°	164.4	164.4	160.2	151.9	154.0	147.8	141.5	135.3	133.2	133.2
57.5°	162.3	162.3	160.2	151.9	145.7	143.6	135.3	126.9	120.7	122.8
60°	158.2	158.2	154.0	151.9	141.5	137.3	124.9	118.6	110.3	110.3
62.5°	151.9	149.8	141.5	129.0	129.0	118.6	110.3	97.8	91.6	89.5
65°	129.0	126.9	120.7	110.3	104.0	97.8	85.3	72.8	68.7	62.4
67.5°	106.1	106.1	102.0	91.6	87.4	79.1	64.5	56.2	45.8	41.6
70°	87.4	87.4	83.2	77.0	72.8	62.4	49.9	41.6	31.2	27.1
72.5°	70.8	70.8	66.6	62.4	58.3	52.0	41.6	31.2	20.8	16.6
75°	56.2	56.2	54.1	49.9	45.8	41.6	33.3	25.0	14.6	8.3
77.5°	45.8	45.8	43.7	41.6	37.5	33.3	27.1	20.8	10.4	4.2
80°	35.4	35.4	35.4	35.4	31.2	27.1	22.9	16.6	8.3	2.1
82.5°	25.0	25.0	27.1	31.2	25.0	20.8	20.8	16.6	6.2	2.1
85°	16.6	18.7	20.8	18.7	16.6	16.6	29.1	27.1	6.2	2.1
87.5°	8.3	8.3	8.3	8.3	8.3	6.2	8.3	6.2	4.2	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°
34503.0
34242.8
33912.0
33262.7
32292.9
30832.1
29229.7
27438.0
25275.8
23419.6
21598.7
17386.8
14781.3
13102.0
11472.6
9597.6
7666.4
5173.4
2732.4
1460.9
919.8
620.1
422.4
320.5
245.6
195.6
170.6
147.8
131.1
122.8
104.0
85.3
60.3
39.5
25.0
14.6
6.2
4.2
2.1
2.1
2.1
0.0
0.0

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