

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: P636222

Luminaire Tested: **IFLD-S-SA3C-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636222
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14647.5 lumens
Efficiency: N/A
Efficacy: 91.1 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

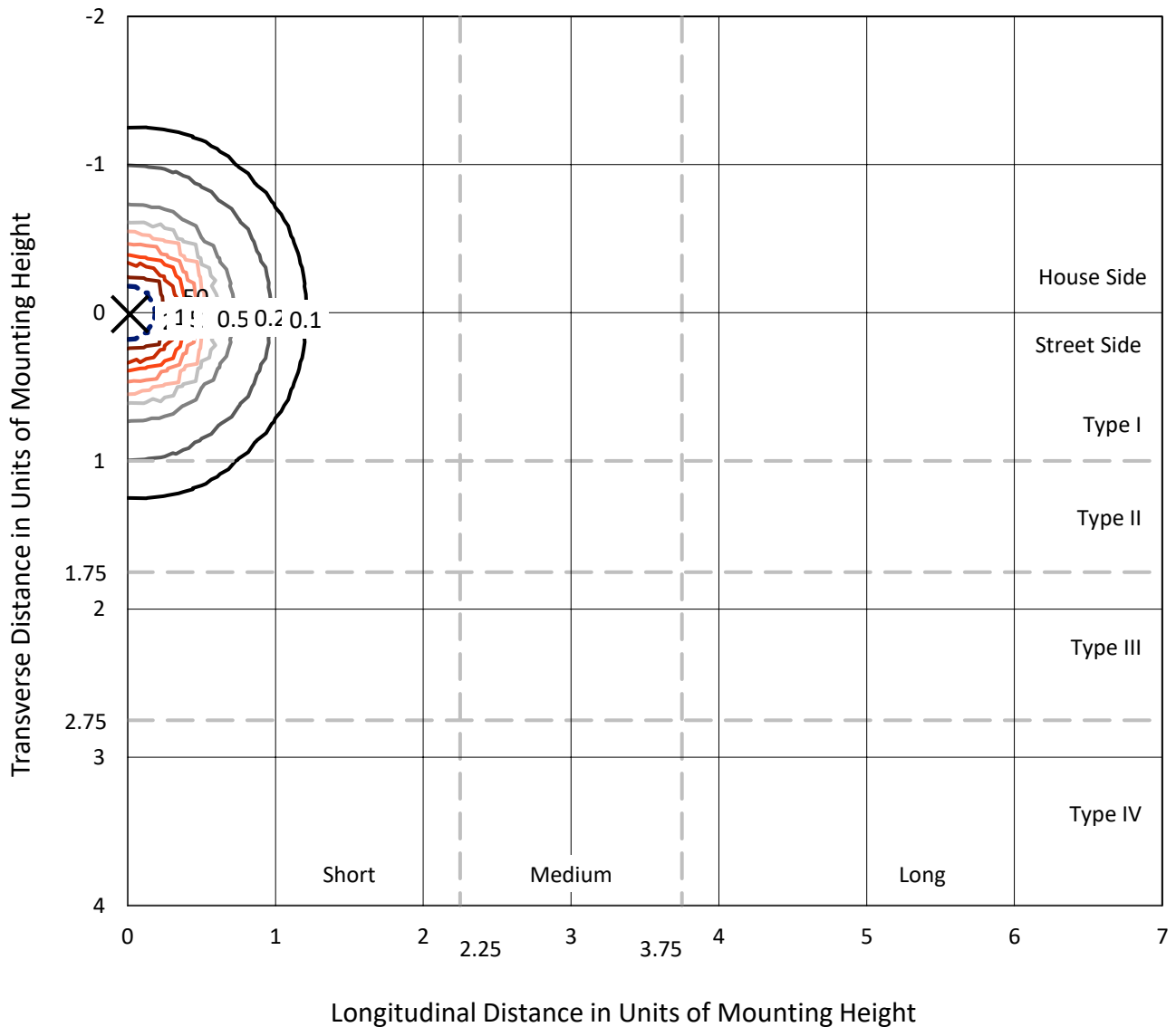
Input Watts (W): 160.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

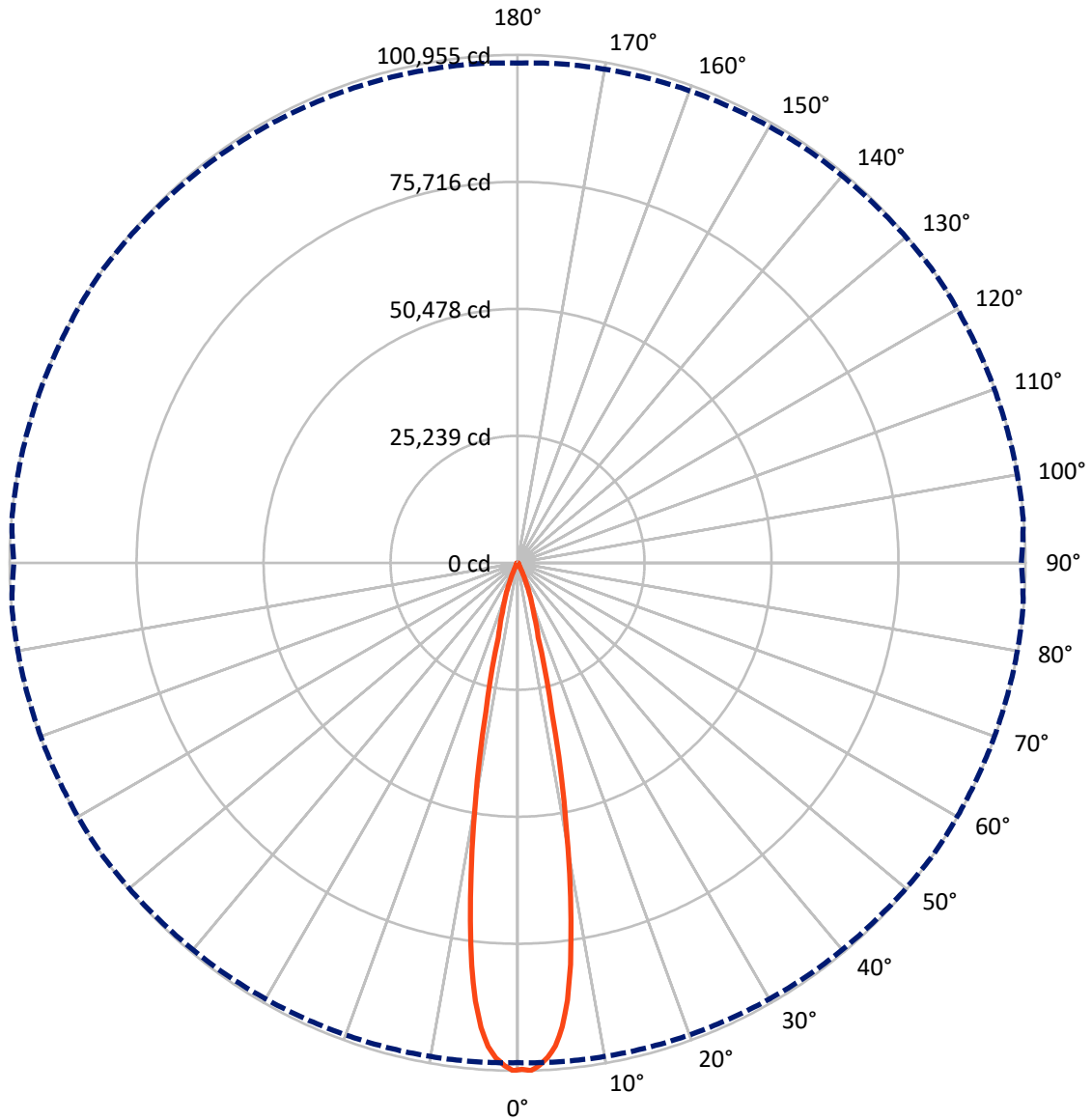
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 251.7 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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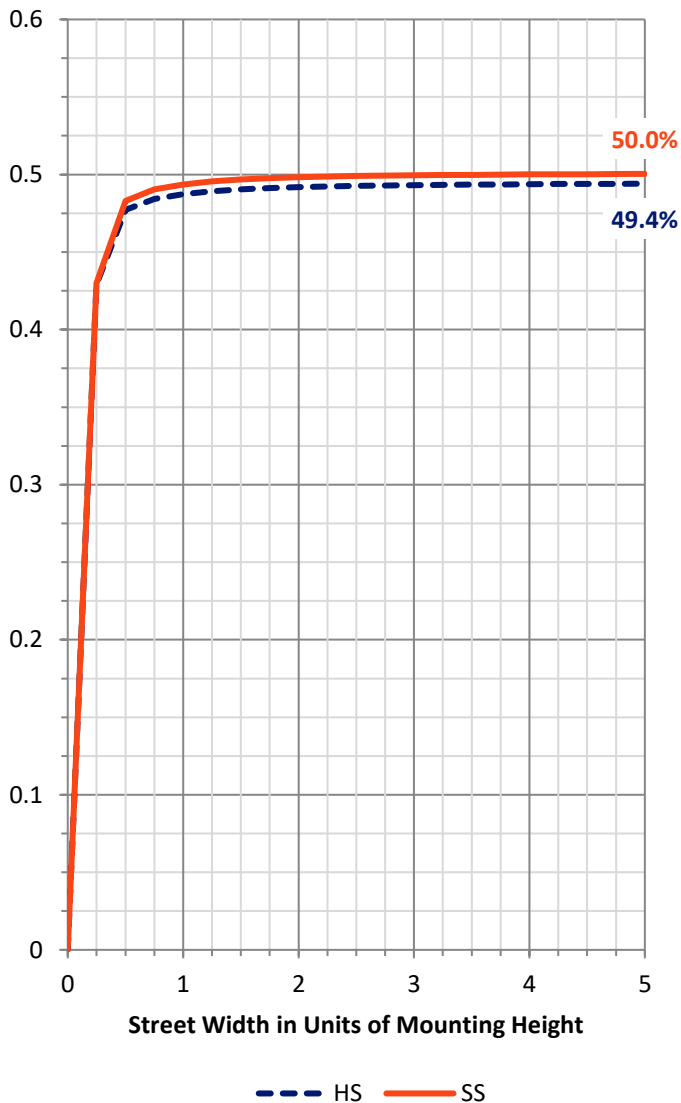
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7323.8	0.0	7323.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7323.8	0.0	7323.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14647.5	0.0	14647.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7442.0	50.8
10°-20°	5274.2	36.0
20°-30°	1235.9	8.4
30°-40°	258.3	1.8
40°-50°	166.6	1.1
50°-60°	123.4	0.8
60°-70°	83.9	0.6
70°-80°	44.8	0.3
80°-90°	18.4	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°	14647.5	100.0
0°-180°	14647.5	100.0

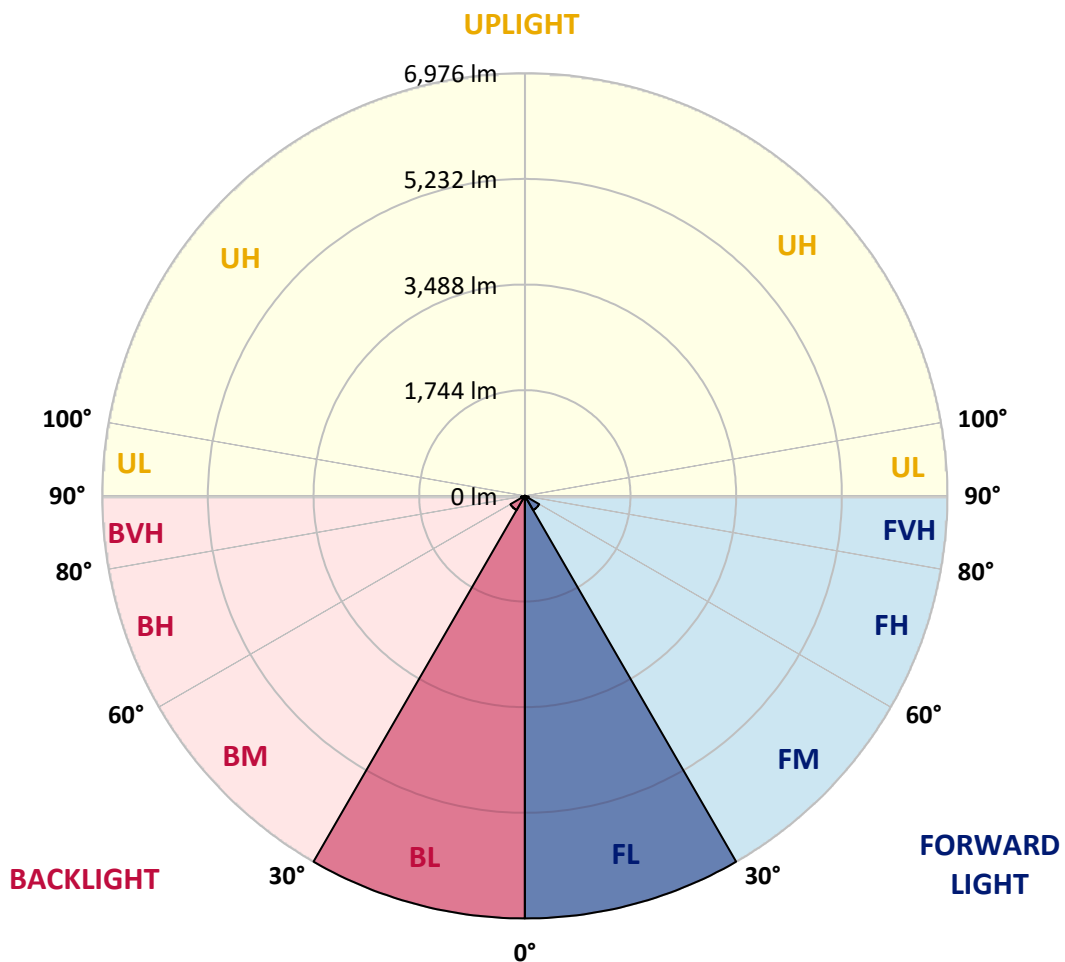


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6976.1	47.6			
FM (30°-60°)	274.2	1.9			
FH (60°-80°)	64.3	0.4			G0/660
FVH (80°-90°)	9.2	0.1			G0/10
BL (0°-30°)	6976.1	47.6	B5		
BM (30°-60°)	274.2	1.9	B1/1000		
BH (60°-80°)	64.3	0.4	B0/110		G0/660
BVH (80°-90°)	9.2	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°	100696.2	100696.2	100696.2	100696.2	100696.2	100696.2	100696.2	100696.2	100696.2	100696.2
1°	99341.4	99525.3	99750.7	99955.3	100263.6	100514.9	100955.2	100862.0	100849.0	100867.1
2°	97416.7	97647.3	97994.4	98199.0	98994.3	99320.7	99986.4	100183.3	100025.3	100204.0
3°	94533.6	94722.7	95266.7	95668.2	96699.2	97579.9	98471.0	98766.3	98582.4	98665.3
4°	91101.4	91295.7	91953.6	92772.2	94261.7	95238.2	96305.5	96569.7	95968.7	96010.2
5°	87016.3	87107.0	87912.6	88658.6	90440.8	91624.6	92637.5	92720.4	92171.2	91961.4
6°	82421.0	82257.8	82998.6	83314.7	85529.5	86736.6	87477.4	87381.6	86964.5	86785.8
7°	76960.4	76737.7	77336.1	77165.1	79126.0	79815.1	80527.4	80201.0	79869.5	80281.3
8°	70642.5	70518.2	70132.2	70831.6	71220.1	71836.7	71834.1	71645.0	71634.6	72321.1
9°	61457.0	62604.5	62265.2	62998.3	62899.8	62871.3	62682.2	62560.5	62042.4	62832.5
10°	51370.0	52121.2	52693.7	53786.8	53574.4	53874.9	52823.2	53001.9	52657.4	53310.2
12.5°	26590.3	27434.8	27929.6	28763.7	29680.7	30618.4	30315.3	30001.9	29533.0	30108.1
15°	13089.2	13423.4	13581.4	14428.5	15081.2	15317.0	15353.2	15076.1	14956.9	15081.2
17.5°	8032.8	8149.4	8607.9	9581.8	10146.6	10286.4	10195.8	9892.7	9553.4	9410.9
20°	5815.4	5849.1	6022.7	6211.8	6965.6	7359.3	7214.2	6916.3	6602.9	6455.2
22.5°	3797.5	3831.2	3888.2	3991.8	4193.8	4680.8	4522.8	4320.8	4108.4	4064.3
25°	2150.0	2150.0	2209.6	2315.8	2466.1	2502.3	2533.4	2318.4	2220.0	2175.9
27.5°	1199.3	1207.1	1220.1	1261.5	1336.6	1328.9	1295.2	1238.2	1170.9	1100.9
30°	663.1	670.9	678.7	689.0	702.0	678.7	658.0	647.6	619.1	611.3
32.5°	497.4	497.4	502.5	499.9	487.0	458.5	445.5	461.1	458.5	445.5
35°	409.3	409.3	414.5	424.8	398.9	378.2	367.8	388.6	388.6	380.8
37.5°	334.2	336.8	339.3	352.3	344.5	321.2	318.6	323.8	326.4	323.8
40°	292.7	290.1	290.1	292.7	287.5	282.4	277.2	274.6	277.2	274.6
42.5°	253.9	251.3	256.4	251.3	240.9	243.5	243.5	235.7	238.3	233.1
45°	222.8	220.2	222.8	217.6	209.8	212.4	212.4	202.1	202.1	199.5
47.5°	196.9	196.9	196.9	199.5	186.5	183.9	186.5	183.9	176.1	173.6
50°	171.0	173.6	176.1	181.3	168.4	163.2	163.2	163.2	158.0	155.4
52.5°	158.0	160.6	160.6	160.6	152.8	147.7	147.7	145.1	142.5	139.9
55°	152.8	152.8	152.8	142.5	139.9	137.3	129.5	126.9	124.3	124.3
57.5°	145.1	145.1	142.5	134.7	126.9	126.9	116.6	114.0	111.4	111.4
60°	129.5	129.5	129.5	126.9	116.6	114.0	103.6	98.4	95.8	95.8
62.5°	119.2	119.2	119.2	108.8	106.2	98.4	90.7	82.9	80.3	75.1
65°	108.8	108.8	108.8	98.4	93.3	85.5	75.1	67.4	62.2	54.4
67.5°	101.0	101.0	98.4	90.7	82.9	72.5	62.2	54.4	44.0	38.9
70°	88.1	88.1	85.5	80.3	72.5	64.8	51.8	41.4	33.7	25.9
72.5°	75.1	75.1	72.5	67.4	62.2	54.4	44.0	36.3	23.3	18.1
75°	62.2	62.2	59.6	54.4	51.8	46.6	38.9	28.5	18.1	7.8
77.5°	51.8	51.8	49.2	46.6	44.0	38.9	33.7	23.3	13.0	5.2
80°	38.9	41.4	41.4	41.4	36.3	33.7	31.1	23.3	10.4	2.6
82.5°	28.5	31.1	31.1	31.1	28.5	25.9	28.5	20.7	10.4	2.6
85°	20.7	20.7	23.3	23.3	23.3	23.3	31.1	23.3	7.8	2.6
87.5°	10.4	10.4	10.4	10.4	10.4	13.0	15.5	13.0	5.2	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°
100696.2
100144.4
99525.3
98043.6
95393.7
91523.6
86384.3
80154.4
70417.1
61358.5
51636.8
28551.3
14501.0
9211.4
6341.3
3973.7
2139.7
1103.5
611.3
437.8
378.2
323.8
277.2
235.7
199.5
173.6
152.8
137.3
121.7
111.4
93.3
69.9
54.4
36.3
25.9
15.5
7.8
2.6
2.6
2.6
2.6
0.0
0.0

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