

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: P636159

Luminaire Tested: **IFLD-S-SA2C-930-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636159
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-930-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8705.2 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

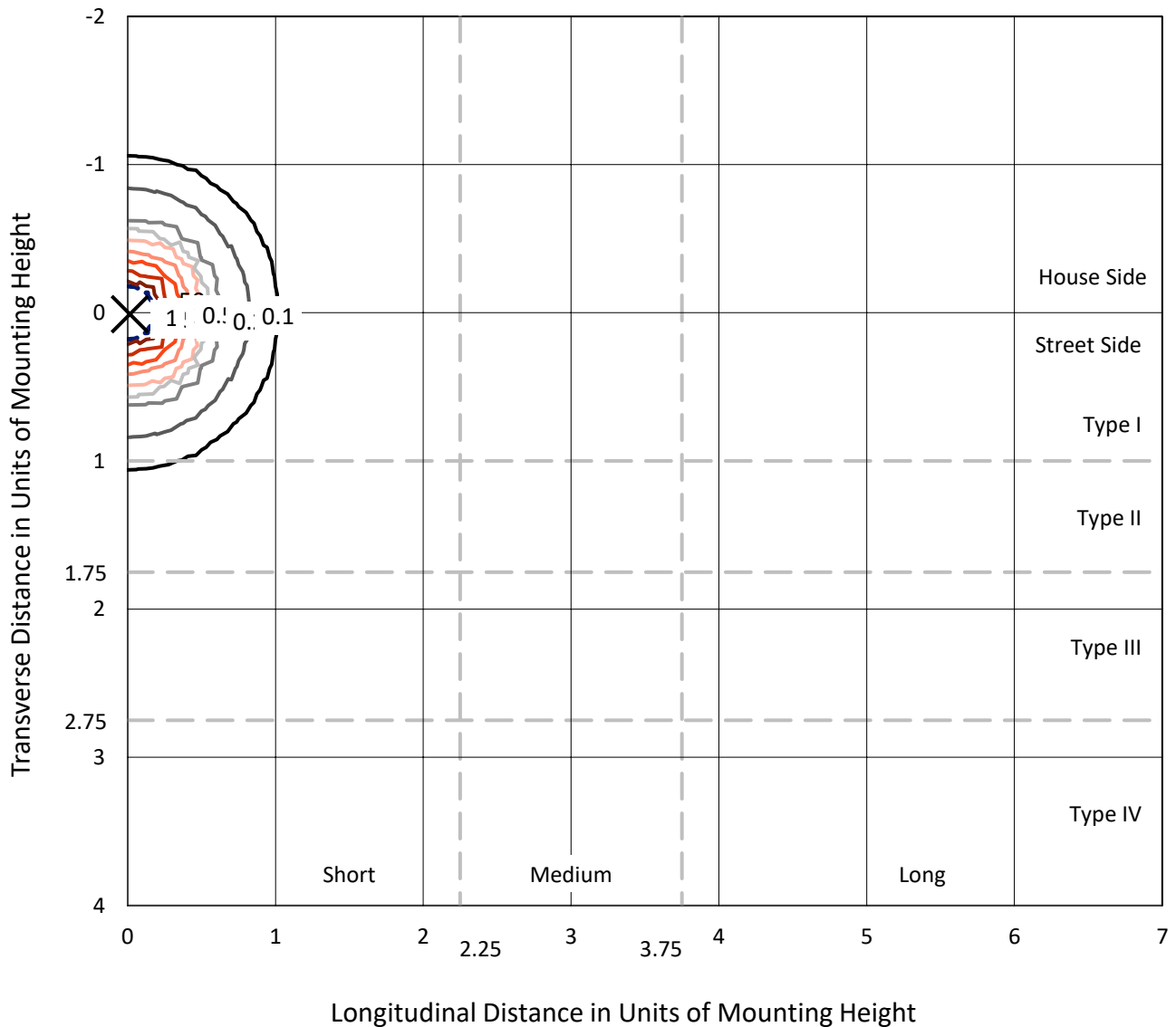
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

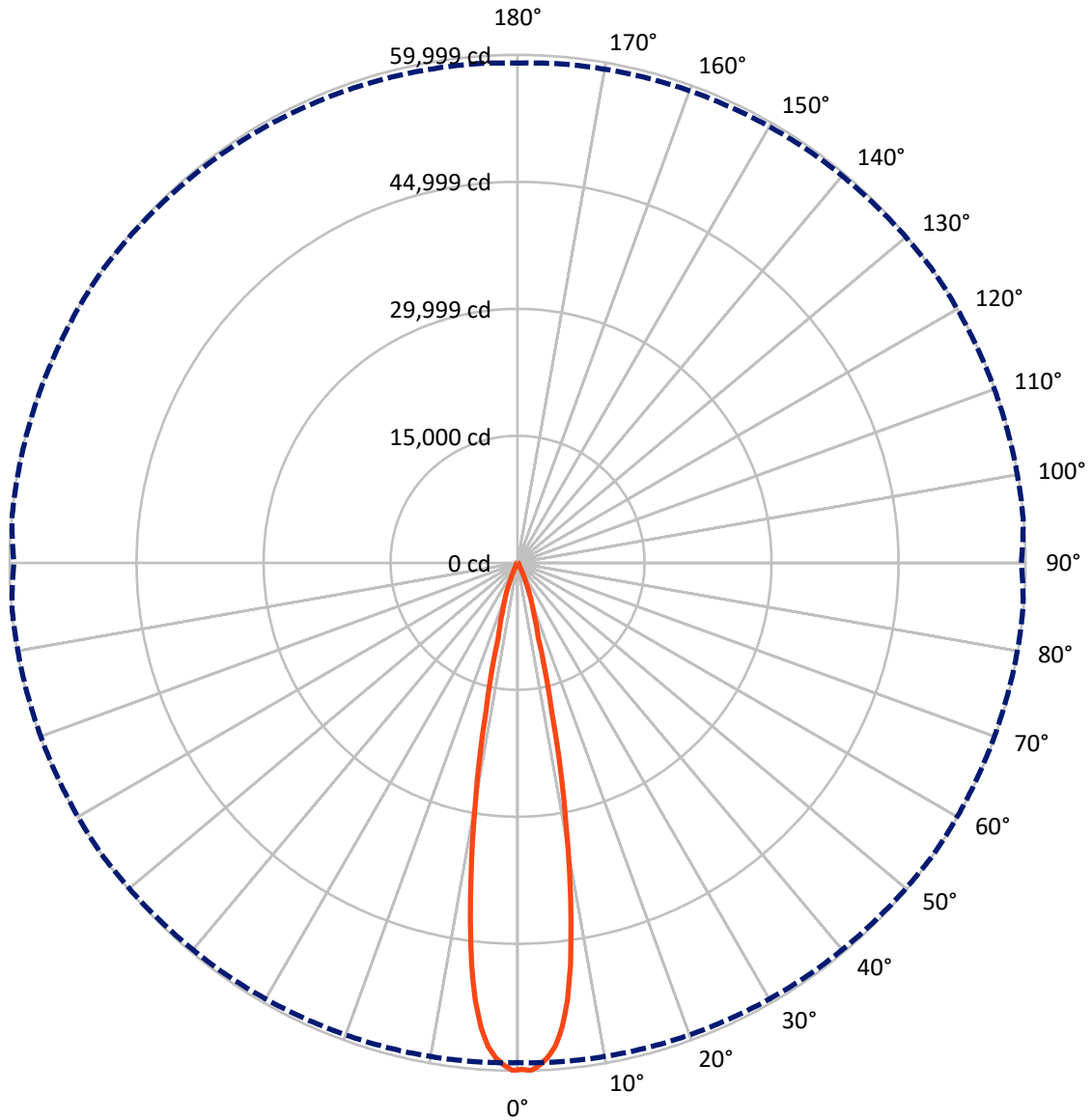
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 149.6 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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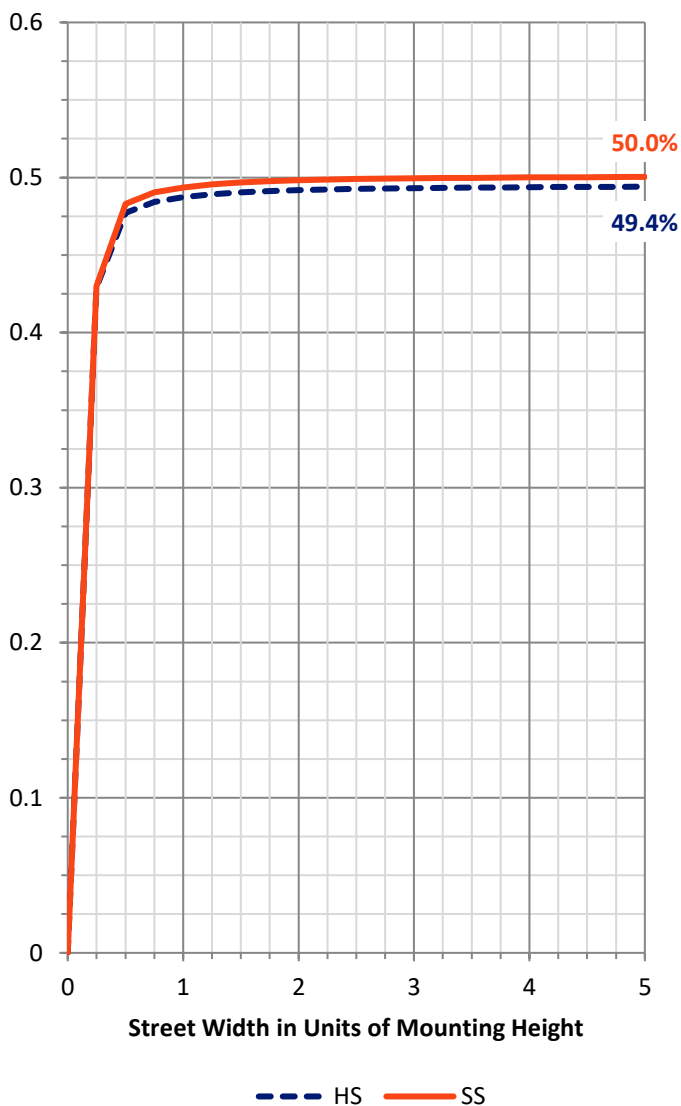
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4352.6	0.0	4352.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4352.6	0.0	4352.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8705.2	0.0	8705.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4422.9	50.8
10°-20°	3134.5	36.0
20°-30°	734.5	8.4
30°-40°	153.5	1.8
40°-50°	99.0	1.1
50°-60°	73.3	0.8
60°-70°	49.9	0.6
70°-80°	26.6	0.3
80°-90°	10.9	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°	8705.2	100.0
0°-180°	8705.2	100.0

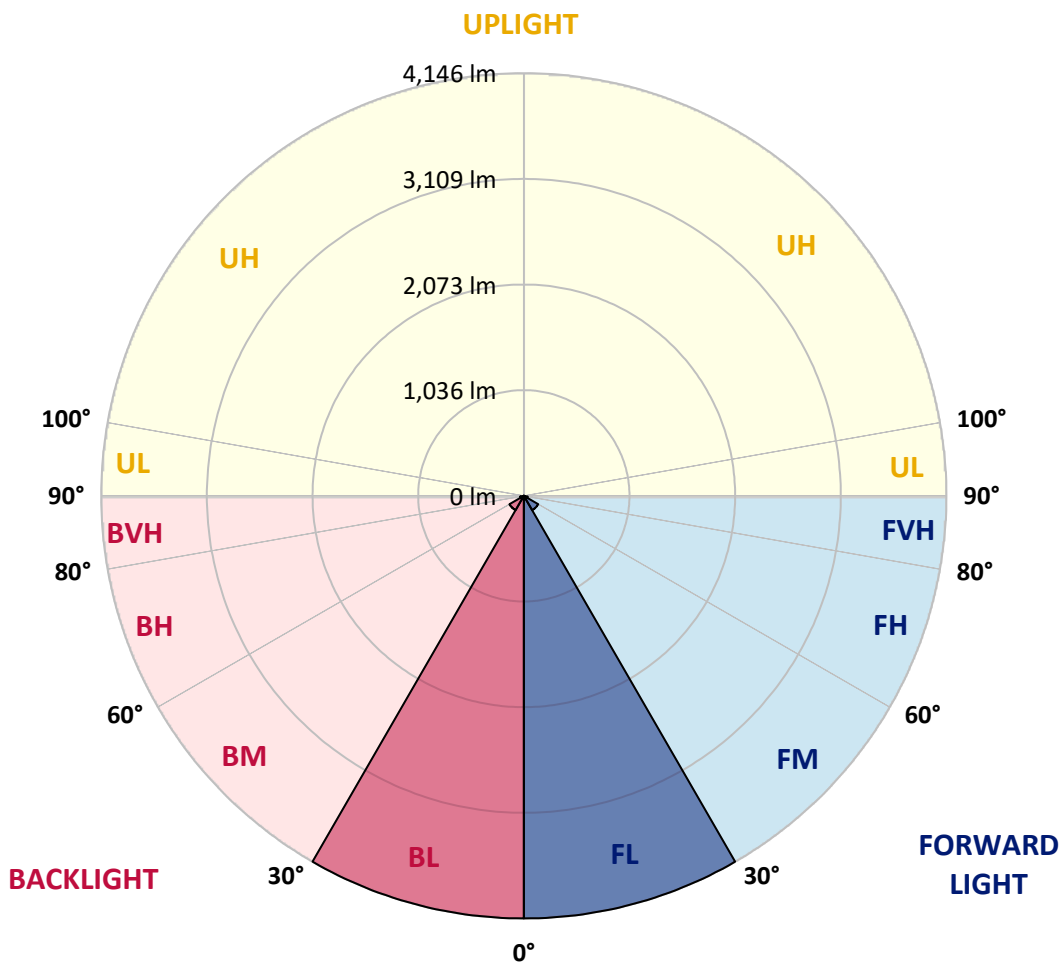


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4145.9	47.6			
FM (30°-60°)	162.9	1.9			
FH (60°-80°)	38.2	0.4			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	4145.9	47.6	B4/5000		
BM (30°-60°)	162.9	1.9	B0/220		
BH (60°-80°)	38.2	0.4	B0/110		G0/660
BVH (80°-90°)	5.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	59844.8	59844.8	59844.8	59844.8	59844.8	59844.8	59844.8	59844.8	59844.8	59844.8
1°	59039.7	59149.0	59282.9	59404.5	59587.7	59737.0	59998.8	59943.3	59935.6	59946.4
2°	57895.8	58032.8	58239.1	58360.7	58833.4	59027.3	59423.0	59540.0	59446.1	59552.3
3°	56182.3	56294.7	56618.0	56856.6	57469.4	57992.8	58522.4	58697.9	58588.6	58637.8
4°	54142.5	54258.0	54649.0	55135.5	56020.7	56601.1	57235.4	57392.4	57035.2	57059.9
5°	51714.7	51768.6	52247.4	52690.8	53749.9	54453.5	55055.4	55104.7	54778.3	54653.6
6°	48983.7	48886.7	49327.0	49514.8	50831.1	51548.5	51988.8	51931.8	51683.9	51577.7
7°	45738.4	45606.0	45961.6	45860.0	47025.4	47434.9	47858.3	47664.3	47467.3	47712.0
8°	41983.6	41909.7	41680.3	42096.0	42326.9	42693.3	42691.8	42579.4	42573.2	42981.2
9°	36524.5	37206.5	37004.9	37440.5	37382.0	37365.1	37252.7	37180.4	36872.5	37342.0
10°	30529.7	30976.2	31316.4	31966.1	31839.8	32018.4	31393.4	31499.6	31294.9	31682.8
12.5°	15802.9	16304.8	16598.8	17094.6	17639.5	18196.8	18016.7	17830.4	17551.8	17893.6
15°	7779.1	7977.7	8071.6	8575.0	8962.9	9103.0	9124.6	8959.9	8889.0	8962.9
17.5°	4774.0	4843.3	5115.7	5694.6	6030.2	6113.3	6059.5	5879.3	5677.7	5593.0
20°	3456.2	3476.2	3579.3	3691.7	4139.7	4373.7	4287.5	4110.5	3924.2	3836.4
22.5°	2256.9	2276.9	2310.8	2372.4	2492.4	2781.9	2688.0	2567.9	2441.6	2415.5
25°	1277.8	1277.8	1313.2	1376.3	1465.6	1487.2	1505.6	1377.8	1319.3	1293.2
27.5°	712.8	717.4	725.1	749.7	794.4	789.8	769.7	735.9	695.9	654.3
30°	394.1	398.7	403.3	409.5	417.2	403.3	391.0	384.9	367.9	363.3
32.5°	295.6	295.6	298.7	297.1	289.4	272.5	264.8	274.0	272.5	264.8
35°	243.2	243.2	246.3	252.5	237.1	224.8	218.6	230.9	230.9	226.3
37.5°	198.6	200.1	201.7	209.4	204.8	190.9	189.4	192.4	194.0	192.4
40°	174.0	172.4	172.4	174.0	170.9	167.8	164.7	163.2	164.7	163.2
42.5°	150.9	149.3	152.4	149.3	143.2	144.7	144.7	140.1	141.6	138.6
45°	132.4	130.9	132.4	129.3	124.7	126.2	126.2	120.1	120.1	118.5
47.5°	117.0	117.0	117.0	118.5	110.8	109.3	110.8	109.3	104.7	103.1
50°	101.6	103.1	104.7	107.8	100.1	97.0	97.0	97.0	93.9	92.4
52.5°	93.9	95.4	95.4	95.4	90.8	87.8	87.8	86.2	84.7	83.1
55°	90.8	90.8	90.8	84.7	83.1	81.6	77.0	75.4	73.9	73.9
57.5°	86.2	86.2	84.7	80.1	75.4	75.4	69.3	67.7	66.2	66.2
60°	77.0	77.0	77.0	75.4	69.3	67.7	61.6	58.5	57.0	57.0
62.5°	70.8	70.8	70.8	64.7	63.1	58.5	53.9	49.3	47.7	44.6
65°	64.7	64.7	64.7	58.5	55.4	50.8	44.6	40.0	36.9	32.3
67.5°	60.0	60.0	58.5	53.9	49.3	43.1	36.9	32.3	26.2	23.1
70°	52.3	52.3	50.8	47.7	43.1	38.5	30.8	24.6	20.0	15.4
72.5°	44.6	44.6	43.1	40.0	36.9	32.3	26.2	21.6	13.9	10.8
75°	36.9	36.9	35.4	32.3	30.8	27.7	23.1	16.9	10.8	4.6
77.5°	30.8	30.8	29.3	27.7	26.2	23.1	20.0	13.9	7.7	3.1
80°	23.1	24.6	24.6	24.6	21.6	20.0	18.5	13.9	6.2	1.5
82.5°	16.9	18.5	18.5	18.5	16.9	15.4	16.9	12.3	6.2	1.5
85°	12.3	12.3	13.9	13.9	13.9	13.9	18.5	13.9	4.6	1.5
87.5°	6.2	6.2	6.2	6.2	6.2	7.7	9.2	7.7	3.1	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°
59844.8
59516.9
59149.0
58268.4
56693.5
54393.5
51339.1
47636.6
41849.6
36466.0
30688.3
16968.3
8618.1
5474.4
3768.7
2361.6
1271.6
655.8
363.3
260.2
224.8
192.4
164.7
140.1
118.5
103.1
90.8
81.6
72.4
66.2
55.4
41.6
32.3
21.6
15.4
9.2
4.6
1.5
1.5
1.5
1.5
0.0
0.0

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