

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: P636188

Luminaire Tested: **IFLD-S-SA2C-935-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636188
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-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: 9031.6 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

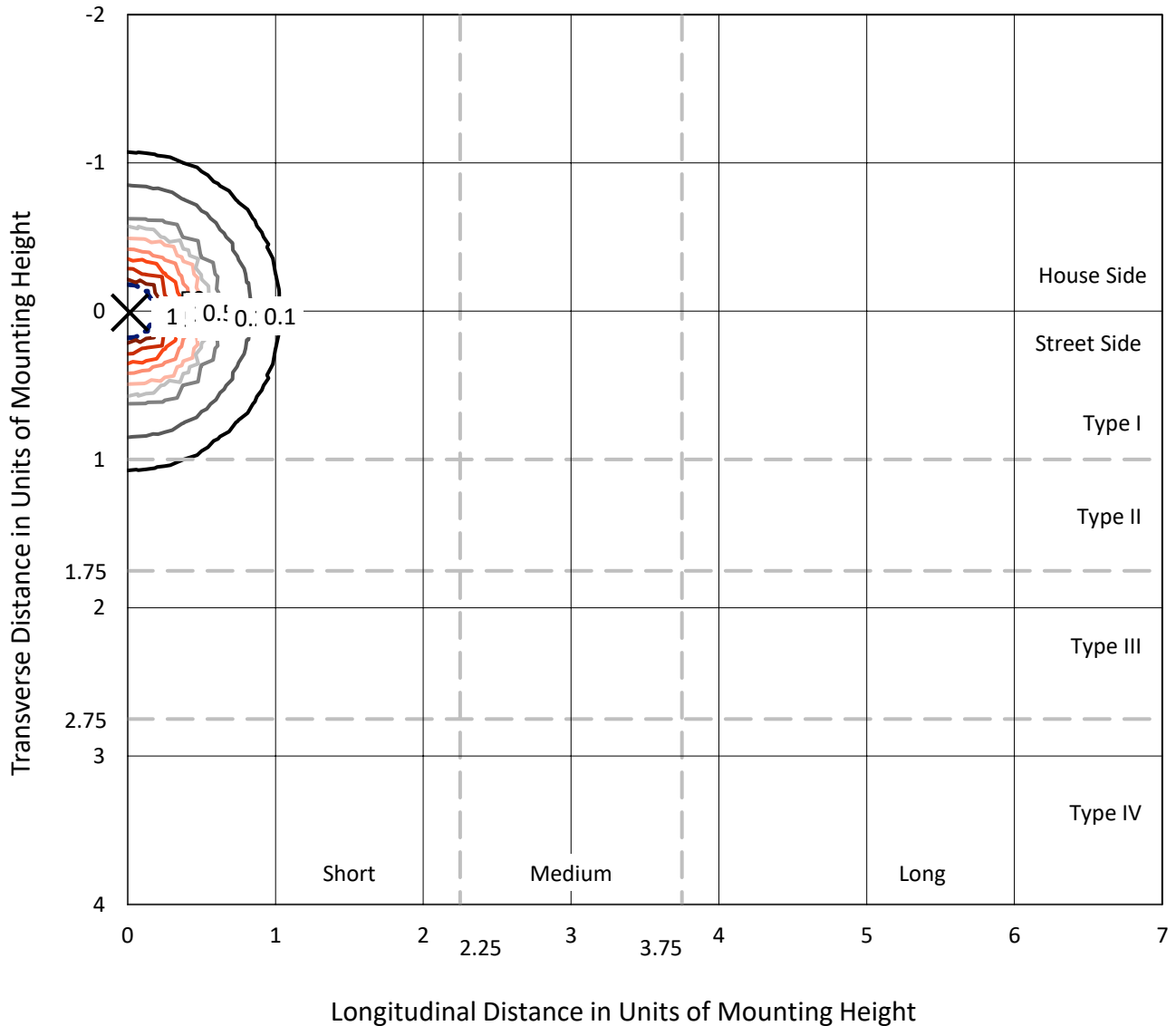
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

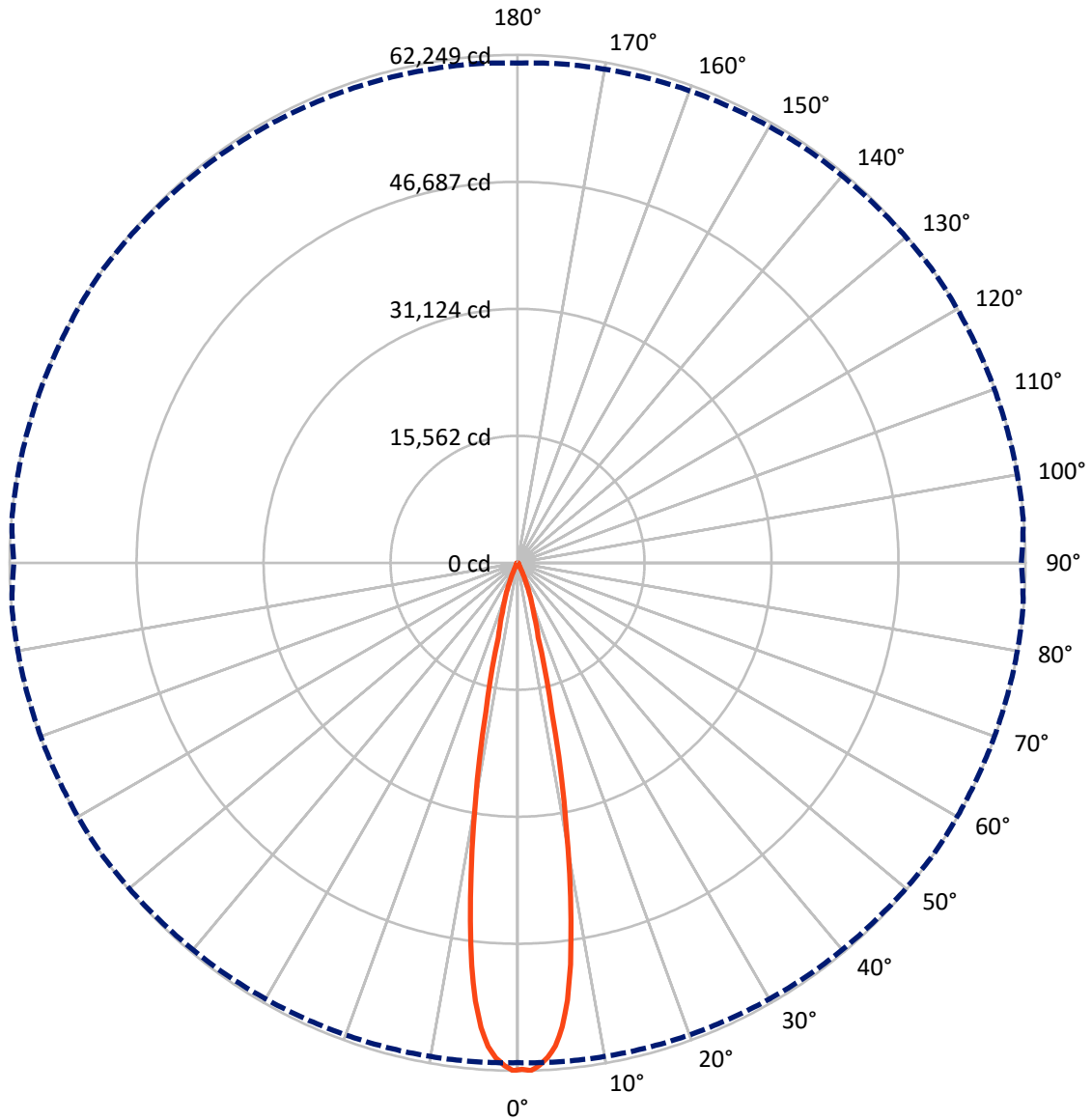
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 155.2 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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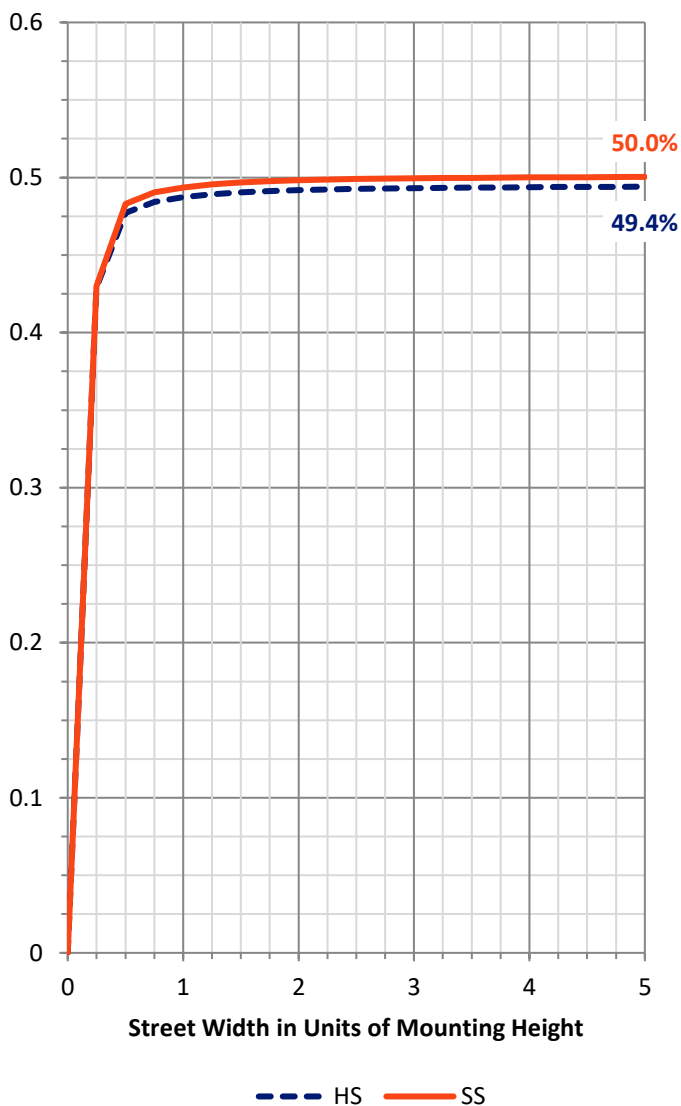
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4515.8	0.0	4515.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4515.8	0.0	4515.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9031.6	0.0	9031.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4588.7	50.8
10°-20°	3252.1	36.0
20°-30°	762.0	8.4
30°-40°	159.3	1.8
40°-50°	102.7	1.1
50°-60°	76.1	0.8
60°-70°	51.7	0.6
70°-80°	27.6	0.3
80°-90°	11.3	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°	9031.6	100.0
0°-180°	9031.6	100.0

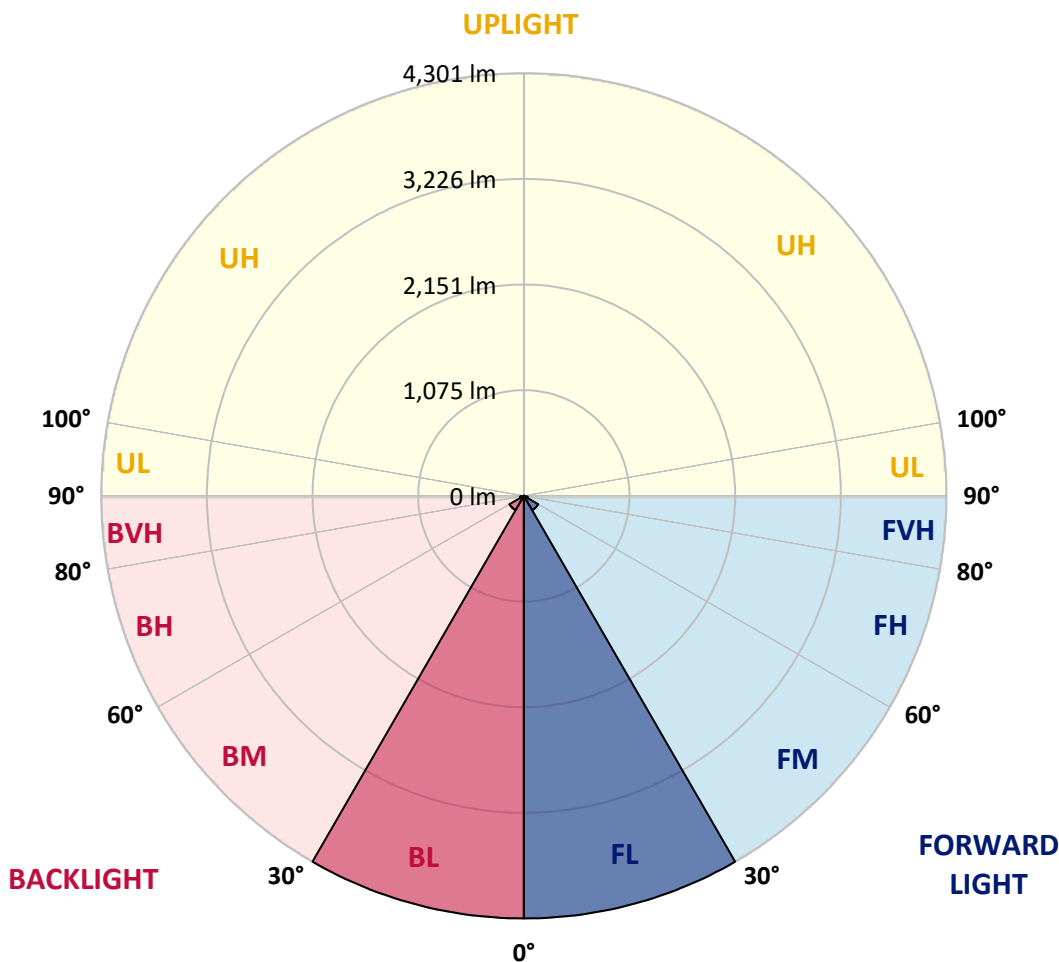


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4301.4	47.6			
FM (30°-60°)	169.1	1.9			
FH (60°-80°)	39.7	0.4			G0/660
FVH (80°-90°)	5.7	0.1			G0/10
BL (0°-30°)	4301.4	47.6	B4/5000		
BM (30°-60°)	169.1	1.9	B0/220		
BH (60°-80°)	39.7	0.4	B0/110		G0/660
BVH (80°-90°)	5.7	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°	62089.0	62089.0	62089.0	62089.0	62089.0	62089.0	62089.0	62089.0	62089.0	62089.0
1°	61253.6	61367.0	61506.0	61632.2	61822.3	61977.2	62248.7	62191.2	62183.2	62194.4
2°	60066.9	60209.1	60423.1	60549.3	61039.6	61240.9	61651.3	61772.7	61675.3	61785.5
3°	58289.2	58405.8	58741.2	58988.8	59624.5	60167.5	60717.0	60899.1	60785.7	60836.8
4°	56172.9	56292.7	56698.3	57203.1	58121.5	58723.6	59381.7	59544.6	59174.1	59199.6
5°	53654.0	53709.9	54206.7	54666.7	55765.6	56495.5	57120.0	57171.1	56832.5	56703.1
6°	50820.6	50719.9	51176.7	51371.6	52737.2	53481.5	53938.3	53879.2	53622.1	53511.9
7°	47453.6	47316.2	47685.2	47579.8	48788.9	49213.7	49653.0	49451.7	49247.3	49501.2
8°	43558.0	43481.3	43243.3	43674.6	43914.1	44294.3	44292.7	44176.1	44169.7	44593.0
9°	37894.2	38601.8	38392.5	38844.6	38783.9	38766.3	38649.7	38574.6	38255.2	38742.3
10°	31674.6	32137.8	32490.8	33164.8	33033.8	33219.1	32570.6	32680.9	32468.4	32870.9
12.5°	16395.5	16916.2	17221.3	17735.6	18301.0	18879.2	18692.3	18499.1	18210.0	18564.6
15°	8070.8	8276.8	8374.3	8896.6	9299.1	9444.4	9466.8	9295.9	9222.4	9299.1
17.5°	4953.0	5024.9	5307.6	5908.1	6256.3	6342.6	6286.7	6099.8	5890.6	5802.7
20°	3585.8	3606.5	3713.6	3830.1	4294.9	4537.7	4448.3	4264.6	4071.3	3980.3
22.5°	2341.5	2362.3	2397.4	2461.3	2585.9	2886.2	2788.8	2664.2	2533.2	2506.0
25°	1325.7	1325.7	1362.4	1427.9	1520.6	1542.9	1562.1	1429.5	1368.8	1341.7
27.5°	739.5	744.3	752.3	777.8	824.2	819.4	798.6	763.5	721.9	678.8
30°	408.9	413.7	418.5	424.9	432.8	418.5	405.7	399.3	381.7	376.9
32.5°	306.7	306.7	309.9	308.3	300.3	282.7	274.7	284.3	282.7	274.7
35°	252.4	252.4	255.6	261.9	246.0	233.2	226.8	239.6	239.6	234.8
37.5°	206.0	207.6	209.2	217.2	212.4	198.1	196.5	199.7	201.3	199.7
40°	180.5	178.9	178.9	180.5	177.3	174.1	170.9	169.3	170.9	169.3
42.5°	156.5	154.9	158.1	154.9	148.5	150.1	150.1	145.3	146.9	143.8
45°	137.4	135.8	137.4	134.2	129.4	131.0	131.0	124.6	124.6	123.0
47.5°	121.4	121.4	121.4	123.0	115.0	113.4	115.0	113.4	108.6	107.0
50°	105.4	107.0	108.6	111.8	103.8	100.6	100.6	100.6	97.4	95.8
52.5°	97.4	99.0	99.0	99.0	94.2	91.0	91.0	89.4	87.8	86.3
55°	94.2	94.2	94.2	87.8	86.3	84.7	79.9	78.3	76.7	76.7
57.5°	89.4	89.4	87.8	83.1	78.3	78.3	71.9	70.3	68.7	68.7
60°	79.9	79.9	79.9	78.3	71.9	70.3	63.9	60.7	59.1	59.1
62.5°	73.5	73.5	73.5	67.1	65.5	60.7	55.9	51.1	49.5	46.3
65°	67.1	67.1	67.1	60.7	57.5	52.7	46.3	41.5	38.3	33.5
67.5°	62.3	62.3	60.7	55.9	51.1	44.7	38.3	33.5	27.2	24.0
70°	54.3	54.3	52.7	49.5	44.7	39.9	31.9	25.6	20.8	16.0
72.5°	46.3	46.3	44.7	41.5	38.3	33.5	27.2	22.4	14.4	11.2
75°	38.3	38.3	36.7	33.5	31.9	28.8	24.0	17.6	11.2	4.8
77.5°	31.9	31.9	30.3	28.8	27.2	24.0	20.8	14.4	8.0	3.2
80°	24.0	25.6	25.6	25.6	22.4	20.8	19.2	14.4	6.4	1.6
82.5°	17.6	19.2	19.2	19.2	17.6	16.0	17.6	12.8	6.4	1.6
85°	12.8	12.8	14.4	14.4	14.4	14.4	19.2	14.4	4.8	1.6
87.5°	6.4	6.4	6.4	6.4	6.4	8.0	9.6	8.0	3.2	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°
62089.0
61748.8
61367.0
60453.4
58819.5
56433.2
53264.3
49423.0
43419.0
37833.5
31839.1
17604.6
8941.3
5679.7
3910.0
2450.1
1319.3
680.4
376.9
269.9
233.2
199.7
170.9
145.3
123.0
107.0
94.2
84.7
75.1
68.7
57.5
43.1
33.5
22.4
16.0
9.6
4.8
1.6
1.6
1.6
1.6
0.0
0.0

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