

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: P636043

Luminaire Tested: **IFLD-S-SA2C-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636043
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-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8967.9 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

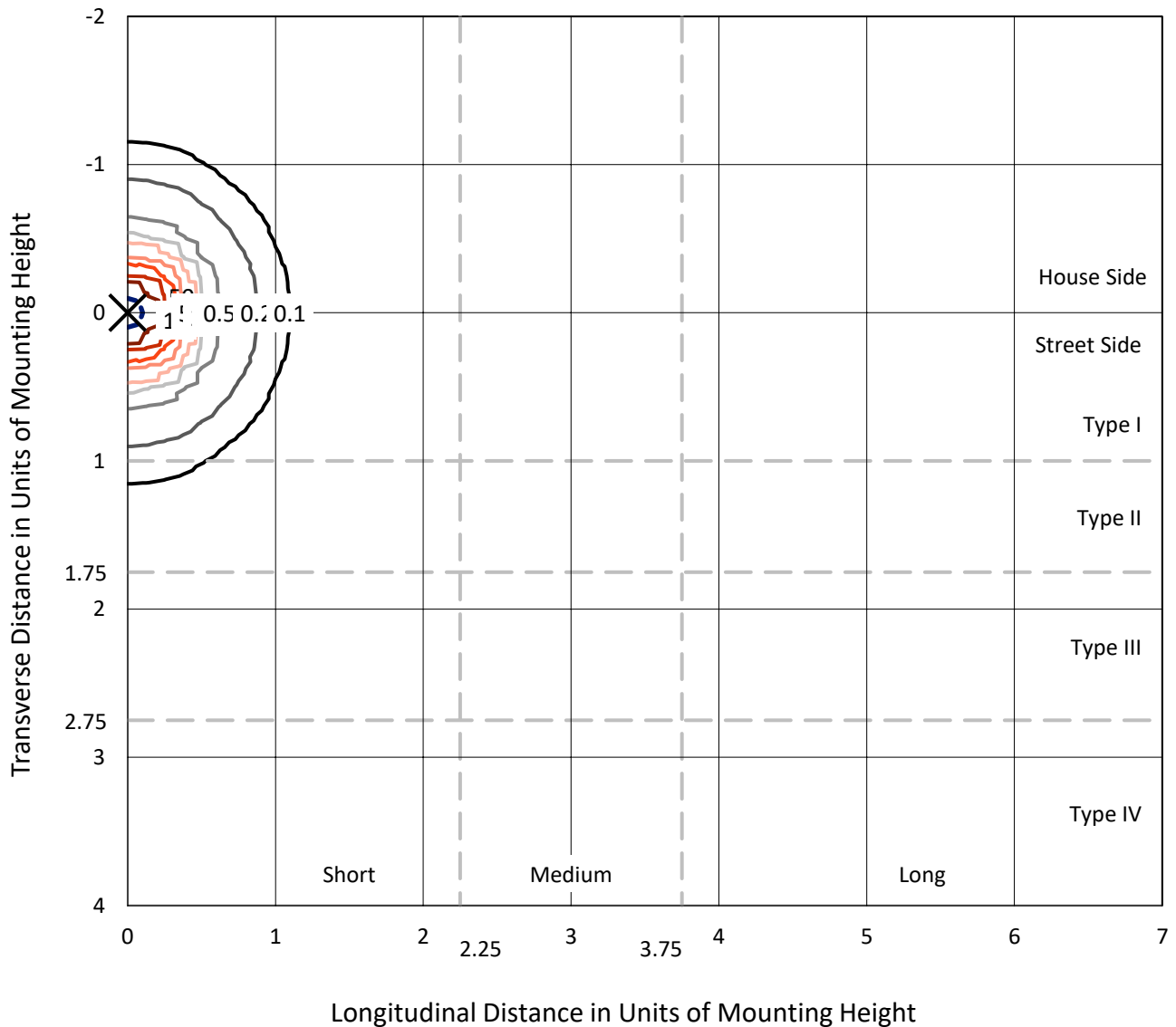
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

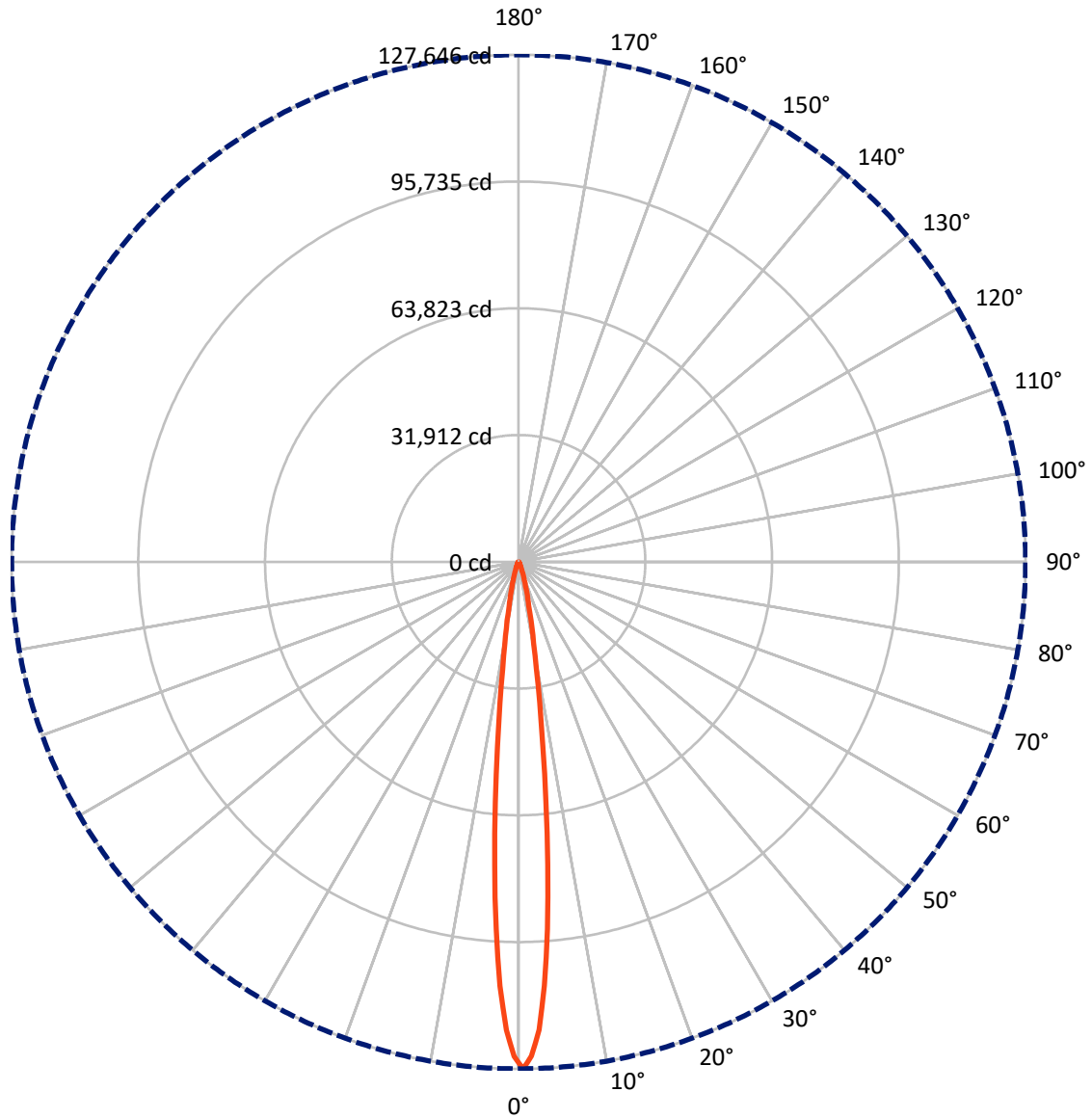
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 319.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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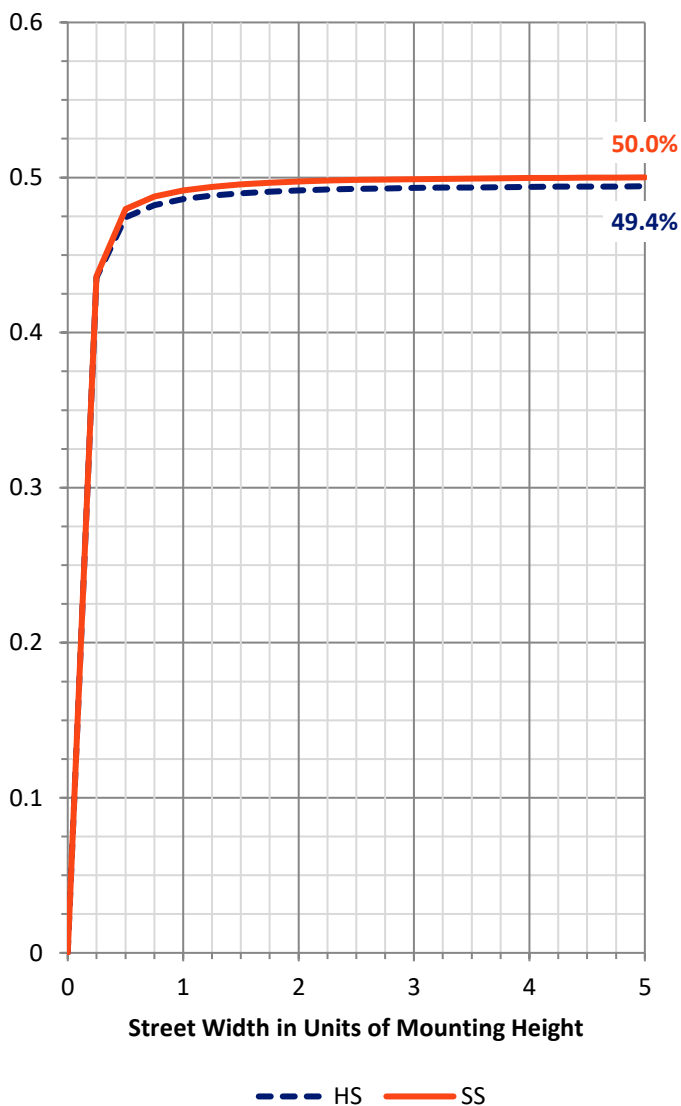
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4484.0	0.0	4484.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4484.0	0.0	4484.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8967.9	0.0	8967.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5466.6	61.0
10°-20°	2449.1	27.3
20°-30°	546.9	6.1
30°-40°	178.5	2.0
40°-50°	123.1	1.4
50°-60°	93.0	1.0
60°-70°	63.7	0.7
70°-80°	33.5	0.4
80°-90°	13.4	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°	8967.9	100.0
0°-180°	8967.9	100.0

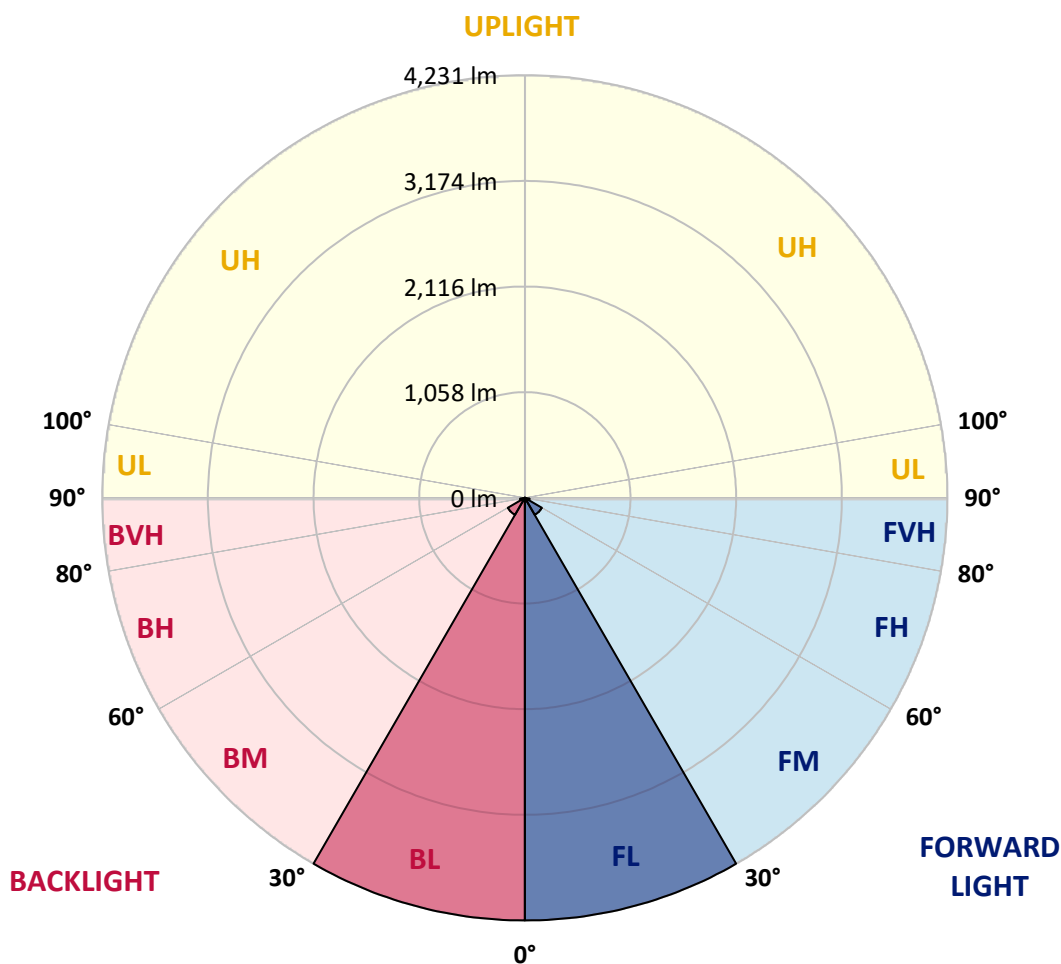


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4231.3	47.2			
FM (30°-60°)	197.3	2.2			
FH (60°-80°)	48.6	0.5			G0/660
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	4231.3	47.2	B4/5000		
BM (30°-60°)	197.3	2.2	B0/220		
BH (60°-80°)	48.6	0.5	B0/110		G0/660
BVH (80°-90°)	6.7	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°	127646.0	127646.0	127646.0	127646.0	127646.0	127646.0	127646.0	127646.0	127646.0	127646.0
1°	124476.9	124646.2	124457.7	125409.7	125802.7	126007.2	126031.1	126567.8	126154.1	126269.1
2°	117916.6	118293.5	117662.6	118272.8	119493.2	119954.8	119202.4	120132.1	119799.8	119993.1
3°	106893.2	107354.9	106482.7	107228.7	108798.9	109150.3	107917.1	109238.2	109204.6	109482.5
4°	92684.8	93433.9	92188.0	93071.3	93766.2	94989.8	93794.9	95298.1	95269.3	95751.7
5°	76556.3	77366.2	76283.2	77200.1	77858.2	78313.4	77875.7	79538.6	79644.0	80142.4
6°	60774.5	61530.0	60320.8	61196.2	62239.2	62426.1	62312.7	63744.0	64061.8	63673.7
7°	46772.1	46960.6	46770.5	47566.0	48403.0	48433.3	48580.3	49839.0	50118.5	49984.4
8°	35820.6	34958.1	35699.2	36120.9	36379.7	37568.1	37656.0	38290.1	38804.5	38841.2
9°	27266.8	26468.1	27325.9	27493.6	28087.8	29143.7	29011.1	29704.4	30027.0	30006.3
10°	20787.9	20382.2	20811.9	20997.2	21486.0	22380.5	22535.5	22853.3	23092.9	23249.5
12.5°	11280.5	11374.7	11623.9	11818.8	12476.9	12714.9	12810.8	12837.9	12836.3	12861.9
15°	7007.6	7084.3	7258.4	7611.4	8012.3	8307.8	8349.4	8196.0	8063.4	8042.7
17.5°	4370.4	4340.0	4748.9	5135.5	5617.9	5771.2	5611.5	5435.8	5255.3	5151.5
20°	2622.9	2643.6	2782.6	2955.1	3344.9	3610.0	3443.9	3265.0	3078.1	2955.1
22.5°	1490.3	1512.7	1573.4	1662.8	1811.4	2052.6	1947.2	1766.7	1634.1	1579.8
25°	880.1	880.1	916.9	956.8	1019.1	1075.0	1052.7	956.8	878.5	856.2
27.5°	570.3	565.5	578.2	597.4	626.2	629.4	603.8	575.0	535.1	520.7
30°	416.9	418.5	416.9	424.9	423.3	412.1	396.1	397.7	381.8	380.2
32.5°	338.6	340.2	340.2	338.6	330.7	313.1	301.9	313.1	309.9	306.7
35°	281.1	282.7	298.7	297.1	284.3	265.2	257.2	270.0	279.5	265.2
37.5°	242.8	244.4	257.2	263.6	247.6	234.8	225.2	236.4	250.8	234.8
40°	214.0	215.6	218.8	220.4	212.4	206.1	201.3	204.5	210.9	202.9
42.5°	188.5	186.9	188.5	186.9	177.3	180.5	177.3	172.5	177.3	170.9
45°	164.5	164.5	164.5	159.7	150.2	156.5	153.3	148.6	150.2	145.4
47.5°	150.2	150.2	150.2	143.8	135.8	135.8	137.4	129.4	131.0	129.4
50°	135.8	135.8	139.0	132.6	126.2	121.4	123.0	116.6	118.2	116.6
52.5°	124.6	124.6	124.6	121.4	116.6	113.4	110.2	107.0	105.4	103.8
55°	119.8	119.8	118.2	108.6	107.0	103.8	97.4	95.8	92.6	91.0
57.5°	111.8	111.8	110.2	102.2	95.8	95.8	86.3	84.7	79.9	79.9
60°	99.0	99.0	97.4	95.8	87.9	83.1	76.7	73.5	68.7	67.1
62.5°	94.2	94.2	91.0	83.1	81.5	73.5	67.1	60.7	57.5	54.3
65°	87.9	86.3	84.7	76.7	70.3	65.5	57.5	49.5	46.3	39.9
67.5°	78.3	78.3	76.7	70.3	63.9	55.9	47.9	41.5	33.5	28.8
70°	68.7	67.1	67.1	60.7	55.9	49.5	38.3	31.9	24.0	19.2
72.5°	57.5	57.5	55.9	51.1	47.9	43.1	33.5	25.6	16.0	12.8
75°	46.3	46.3	44.7	41.5	39.9	35.1	28.8	22.4	12.8	6.4
77.5°	38.3	36.7	36.7	33.5	31.9	28.8	24.0	17.6	9.6	4.8
80°	28.8	28.8	30.3	28.8	25.6	24.0	20.8	16.0	8.0	3.2
82.5°	20.8	20.8	22.4	22.4	22.4	20.8	20.8	16.0	8.0	1.6
85°	14.4	14.4	17.6	16.0	16.0	17.6	25.6	20.8	6.4	1.6
87.5°	8.0	8.0	8.0	6.4	6.4	8.0	9.6	8.0	3.2	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
127646.0
125424.1
119303.1
108736.6
94905.1
79190.4
63713.6
49800.7
38378.0
30495.1
23342.1
12882.6
7978.8
5135.5
2982.3
1586.2
853.0
520.7
378.6
300.3
262.0
233.2
199.7
170.9
145.4
129.4
116.6
103.8
89.5
79.9
63.9
52.7
38.3
28.8
19.2
11.2
6.4
3.2
1.6
1.6
1.6
1.6
0.0

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