

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: P635988

Luminaire Tested: **IFLD-S-SA3A-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635988
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8276.9 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

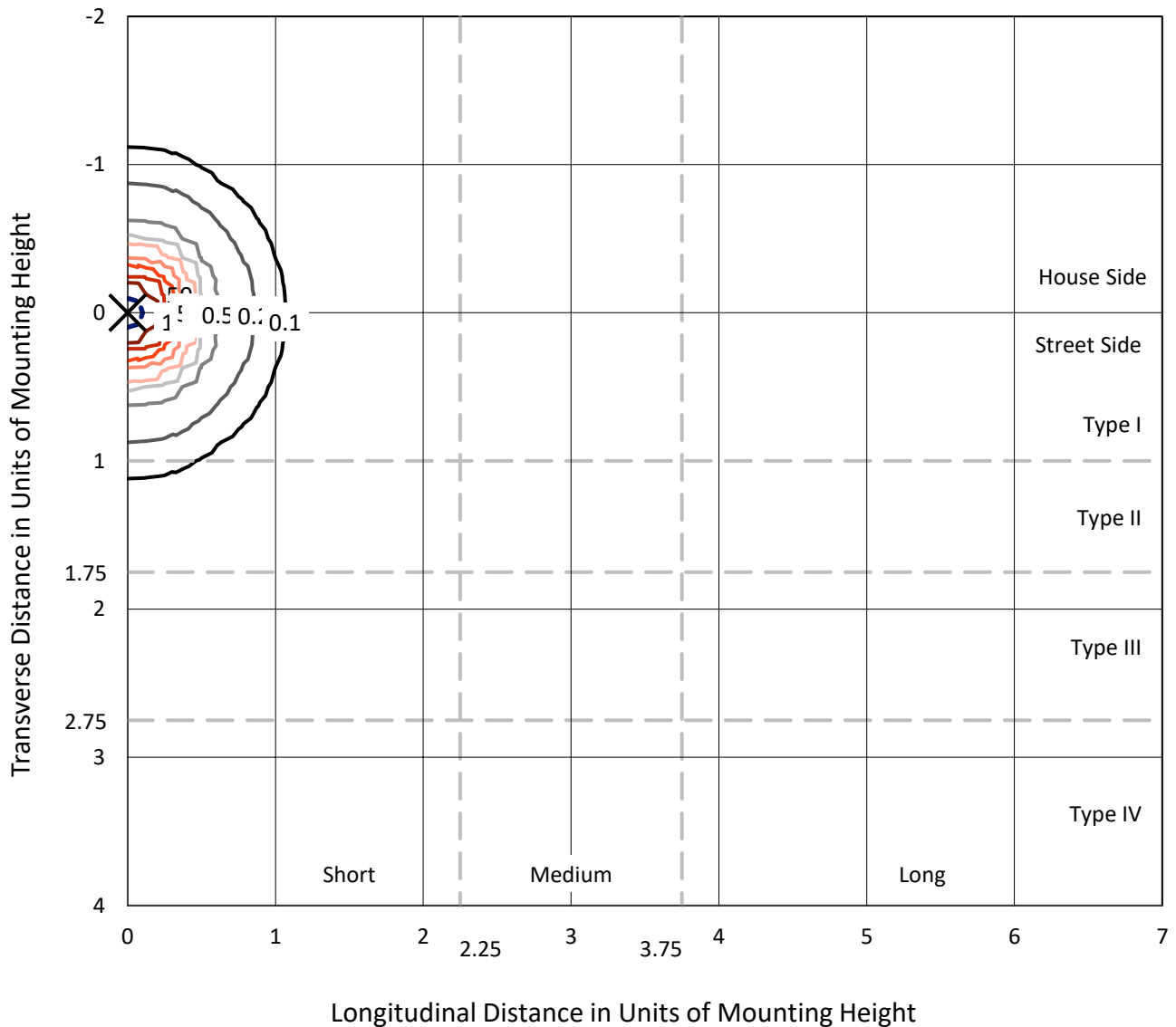
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

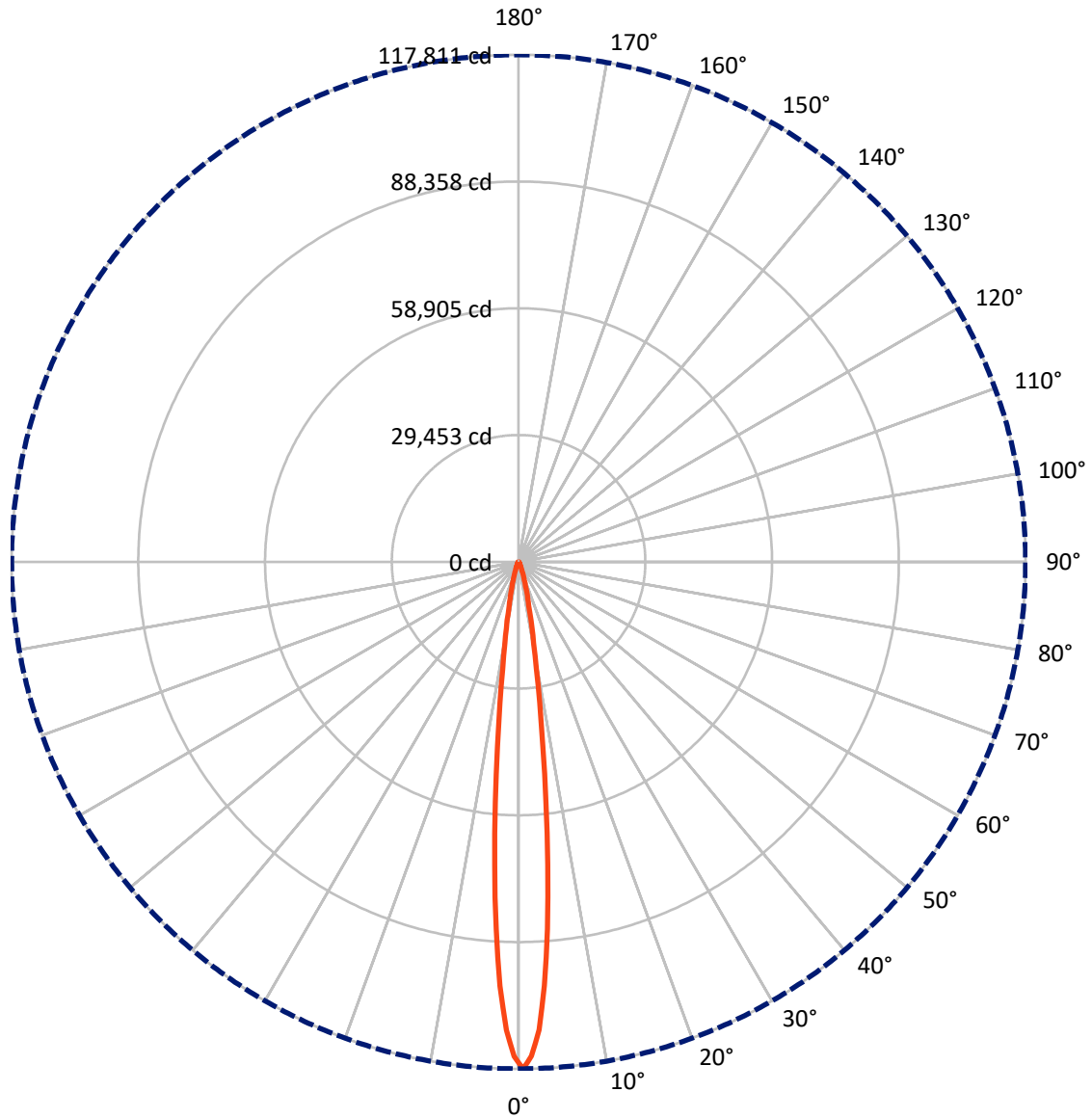
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 294.5 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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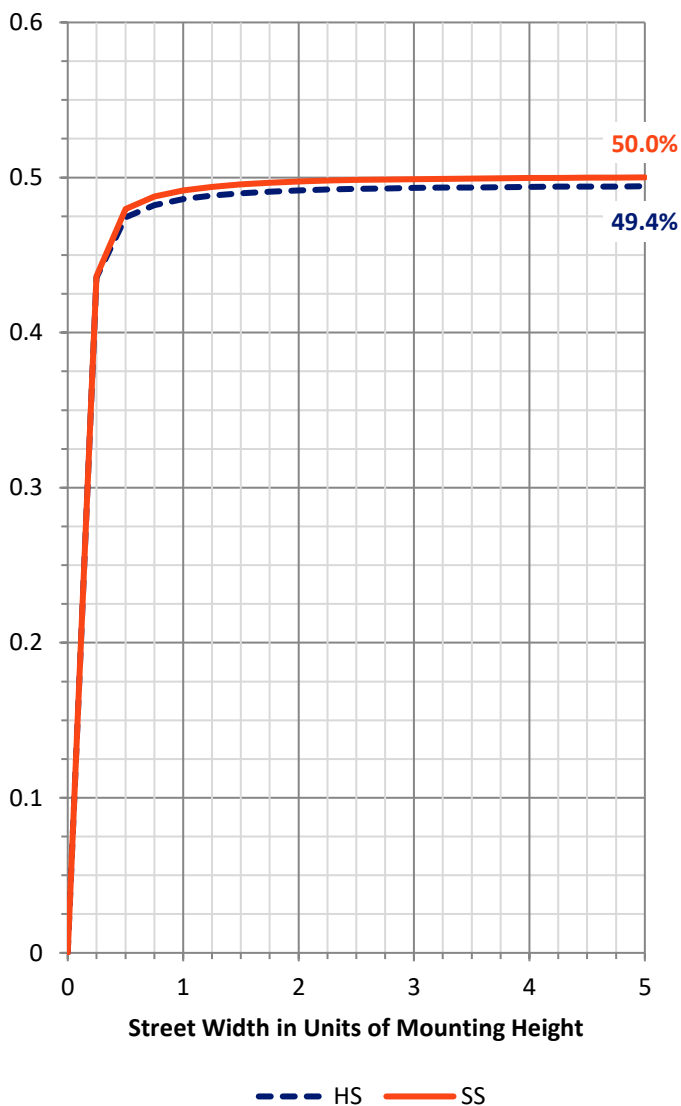
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4138.5	0.0	4138.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4138.5	0.0	4138.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8276.9	0.0	8276.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5045.4	61.0
10°-20°	2260.4	27.3
20°-30°	504.8	6.1
30°-40°	164.8	2.0
40°-50°	113.6	1.4
50°-60°	85.8	1.0
60°-70°	58.8	0.7
70°-80°	30.9	0.4
80°-90°	12.3	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°	8276.9	100.0
0°-180°	8276.9	100.0

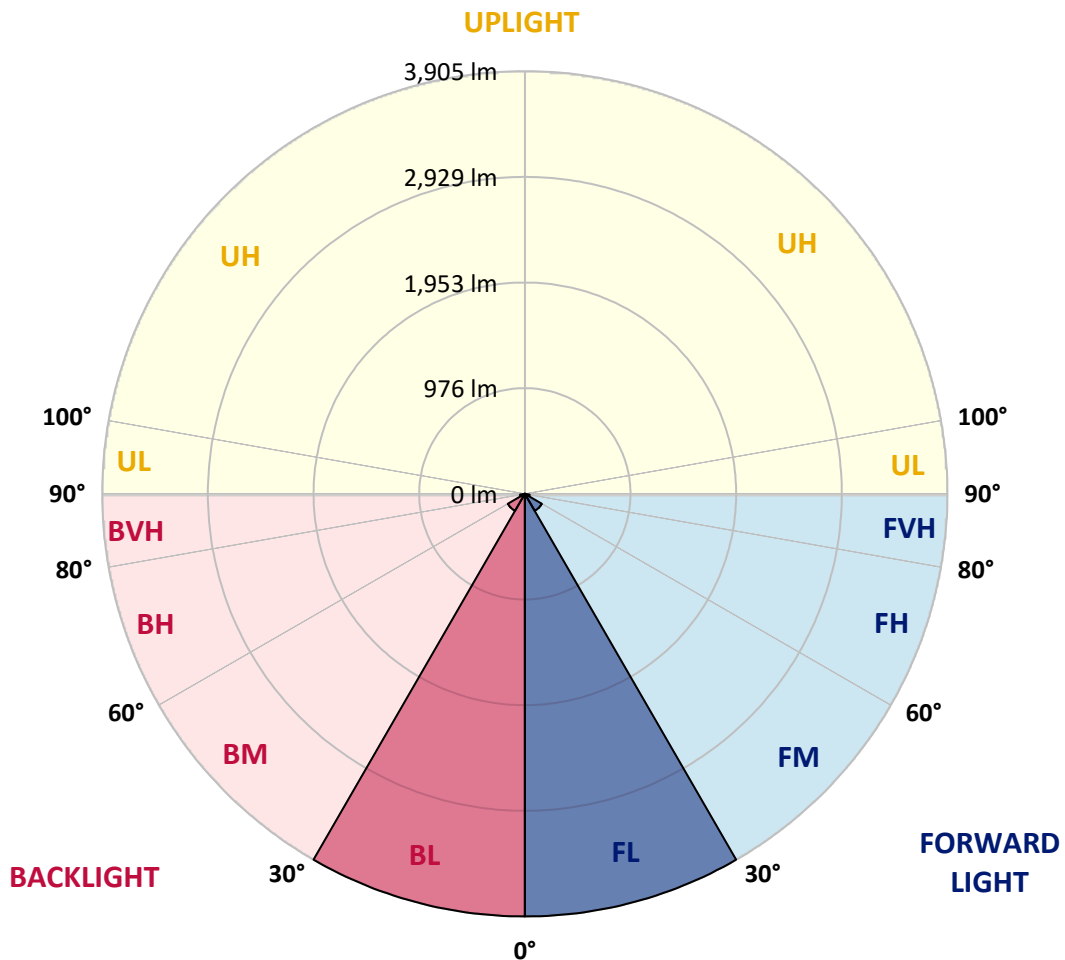


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3905.3	47.2			
FM (30°-60°)	182.1	2.2			
FH (60°-80°)	44.8	0.5			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	3905.3	47.2	B4/5000		
BM (30°-60°)	182.1	2.2	B0/220		
BH (60°-80°)	44.8	0.5	B0/110		G0/660
BVH (80°-90°)	6.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	117810.9	117810.9	117810.9	117810.9	117810.9	117810.9	117810.9	117810.9	117810.9	117810.9
1°	114885.9	115042.2	114868.2	115746.9	116109.6	116298.3	116320.4	116815.8	116433.9	116540.1
2°	108831.1	109179.0	108596.7	109159.8	110286.2	110712.3	110017.9	110875.9	110569.3	110747.6
3°	98657.1	99083.2	98278.2	98966.7	100415.9	100740.3	99602.1	100821.3	100790.4	101046.9
4°	85543.4	86234.8	85084.9	85900.2	86541.5	87670.8	86568.0	87955.3	87928.8	88374.0
5°	70657.6	71405.1	70405.5	71251.8	71859.2	72279.3	71875.4	73410.1	73507.4	73967.4
6°	56091.8	56789.1	55673.1	56481.0	57443.7	57616.2	57511.5	58832.5	59125.9	58767.6
7°	43168.3	43342.3	43166.8	43901.0	44673.5	44701.5	44837.2	45998.9	46256.9	46133.1
8°	33060.6	32264.5	32948.6	33337.8	33576.6	34673.5	34754.6	35339.9	35814.6	35848.5
9°	25165.9	24428.8	25220.4	25375.2	25923.7	26898.2	26775.8	27415.6	27713.4	27694.3
10°	19186.2	18811.8	19208.3	19379.4	19830.5	20656.1	20799.1	21092.5	21313.6	21458.1
12.5°	10411.3	10498.3	10728.3	10908.2	11515.6	11735.2	11823.7	11848.8	11847.3	11870.9
15°	6467.7	6538.4	6699.1	7024.9	7395.0	7667.7	7706.0	7564.5	7442.1	7423.0
17.5°	4033.6	4005.6	4383.0	4739.8	5185.0	5326.6	5179.1	5017.0	4850.4	4754.5
20°	2420.8	2439.9	2568.2	2727.4	3087.1	3331.9	3178.5	3013.4	2840.9	2727.4
22.5°	1375.5	1396.1	1452.2	1534.7	1671.8	1894.4	1797.1	1630.5	1508.2	1458.1
25°	812.3	812.3	846.2	883.1	940.6	992.2	971.5	883.1	810.9	790.2
27.5°	526.3	521.9	533.7	551.4	577.9	580.9	557.3	530.7	493.9	480.6
30°	384.8	386.3	384.8	392.2	390.7	380.4	365.6	367.1	352.4	350.9
32.5°	312.5	314.0	314.0	312.5	305.2	289.0	278.6	289.0	286.0	283.1
35°	259.5	260.9	275.7	274.2	262.4	244.7	237.4	249.2	258.0	244.7
37.5°	224.1	225.6	237.4	243.3	228.5	216.7	207.9	218.2	231.5	216.7
40°	197.6	199.0	202.0	203.5	196.1	190.2	185.8	188.7	194.6	187.2
42.5°	174.0	172.5	174.0	172.5	163.6	166.6	163.6	159.2	163.6	157.7
45°	151.9	151.9	151.9	147.4	138.6	144.5	141.5	137.1	138.6	134.2
47.5°	138.6	138.6	138.6	132.7	125.3	125.3	126.8	119.4	120.9	119.4
50°	125.3	125.3	128.3	122.4	116.5	112.0	113.5	107.6	109.1	107.6
52.5°	115.0	115.0	115.0	112.0	107.6	104.7	101.7	98.8	97.3	95.8
55°	110.6	110.6	109.1	100.3	98.8	95.8	89.9	88.5	85.5	84.0
57.5°	103.2	103.2	101.7	94.4	88.5	88.5	79.6	78.1	73.7	73.7
60°	91.4	91.4	89.9	88.5	81.1	76.7	70.8	67.8	63.4	61.9
62.5°	87.0	87.0	84.0	76.7	75.2	67.8	61.9	56.0	53.1	50.1
65°	81.1	79.6	78.1	70.8	64.9	60.4	53.1	45.7	42.8	36.9
67.5°	72.2	72.2	70.8	64.9	59.0	51.6	44.2	38.3	31.0	26.5
70°	63.4	61.9	61.9	56.0	51.6	45.7	35.4	29.5	22.1	17.7
72.5°	53.1	53.1	51.6	47.2	44.2	39.8	31.0	23.6	14.7	11.8
75°	42.8	42.8	41.3	38.3	36.9	32.4	26.5	20.6	11.8	5.9
77.5°	35.4	33.9	33.9	31.0	29.5	26.5	22.1	16.2	8.8	4.4
80°	26.5	26.5	28.0	26.5	23.6	22.1	19.2	14.7	7.4	2.9
82.5°	19.2	19.2	20.6	20.6	20.6	19.2	19.2	14.7	7.4	1.5
85°	13.3	13.3	16.2	14.7	14.7	16.2	23.6	19.2	5.9	1.5
87.5°	7.4	7.4	7.4	5.9	5.9	7.4	8.8	7.4	2.9	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
117810.9
115760.2
110110.8
100358.4
87592.7
73088.7
58804.5
45963.5
35421.0
28145.4
21543.6
11890.0
7364.0
4739.8
2752.5
1464.0
787.3
480.6
349.4
277.2
241.8
215.2
184.3
157.7
134.2
119.4
107.6
95.8
82.6
73.7
59.0
48.7
35.4
26.5
17.7
10.3
5.9
2.9
1.5
1.5
1.5
1.5
0.0

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