

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: P636018

Luminaire Tested: **IFLD-S-SA3B-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636018
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10348.1 lumens
Efficiency: N/A
Efficacy: 84.5 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

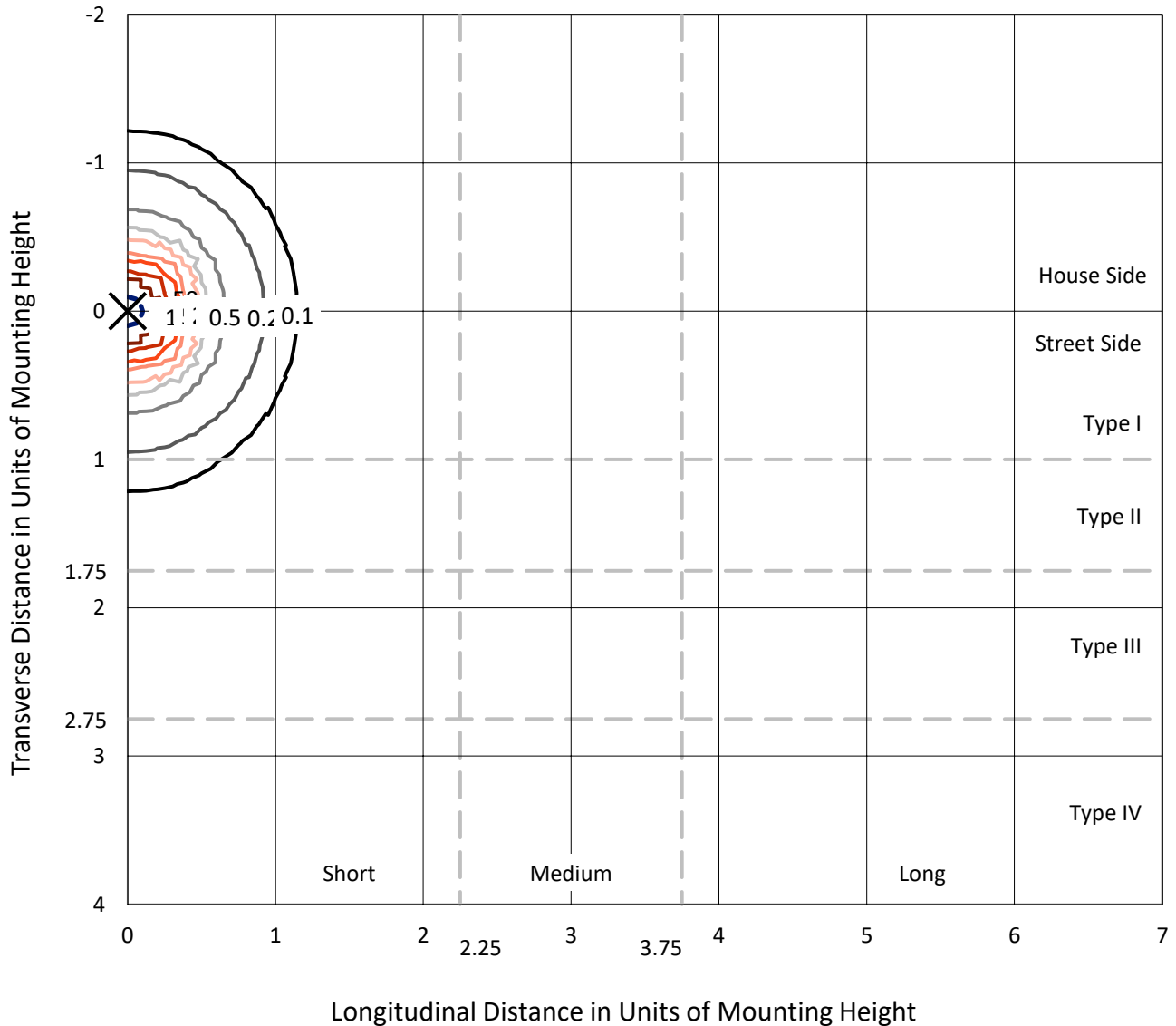
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

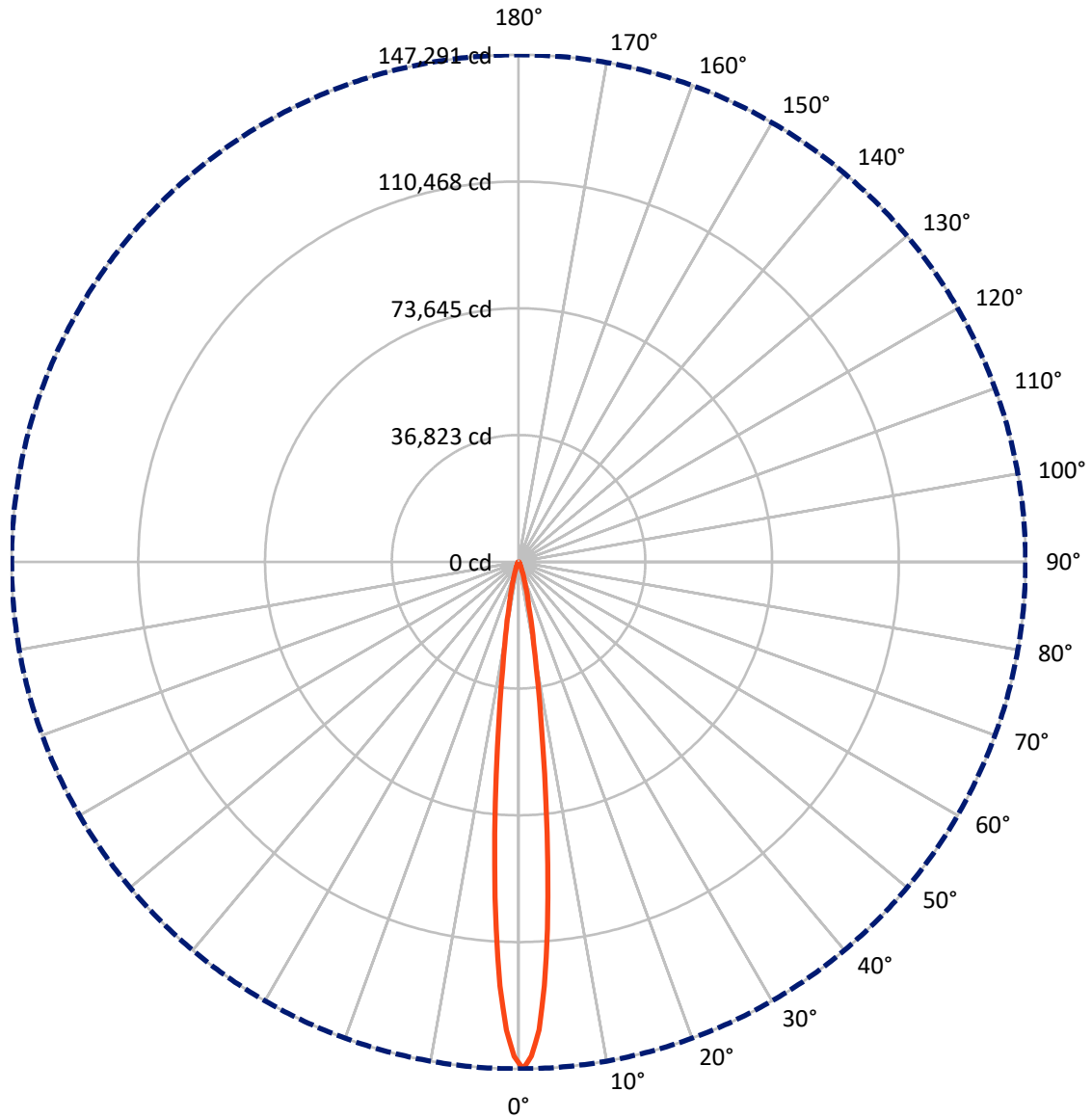
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 368.2 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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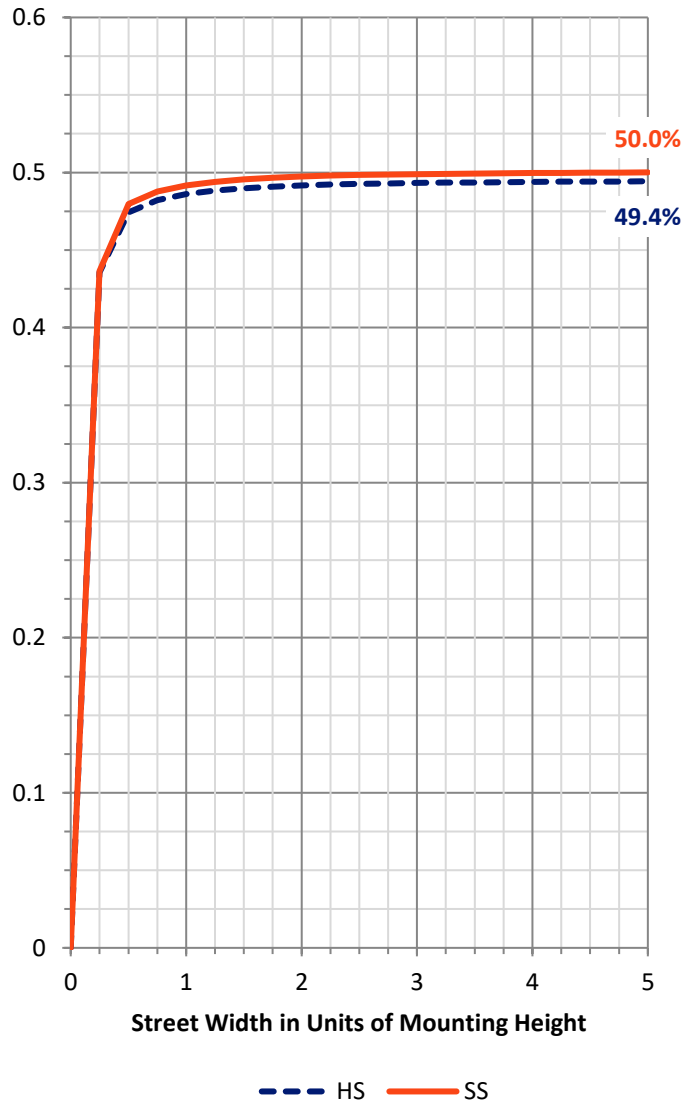
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5174.0	0.0	5174.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5174.0	0.0	5174.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10348.1	0.0	10348.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6308.0	61.0
10°-20°	2826.0	27.3
20°-30°	631.1	6.1
30°-40°	206.0	2.0
40°-50°	142.1	1.4
50°-60°	107.3	1.0
60°-70°	73.5	0.7
70°-80°	38.7	0.4
80°-90°	15.4	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°	10348.1	100.0
0°-180°	10348.1	100.0

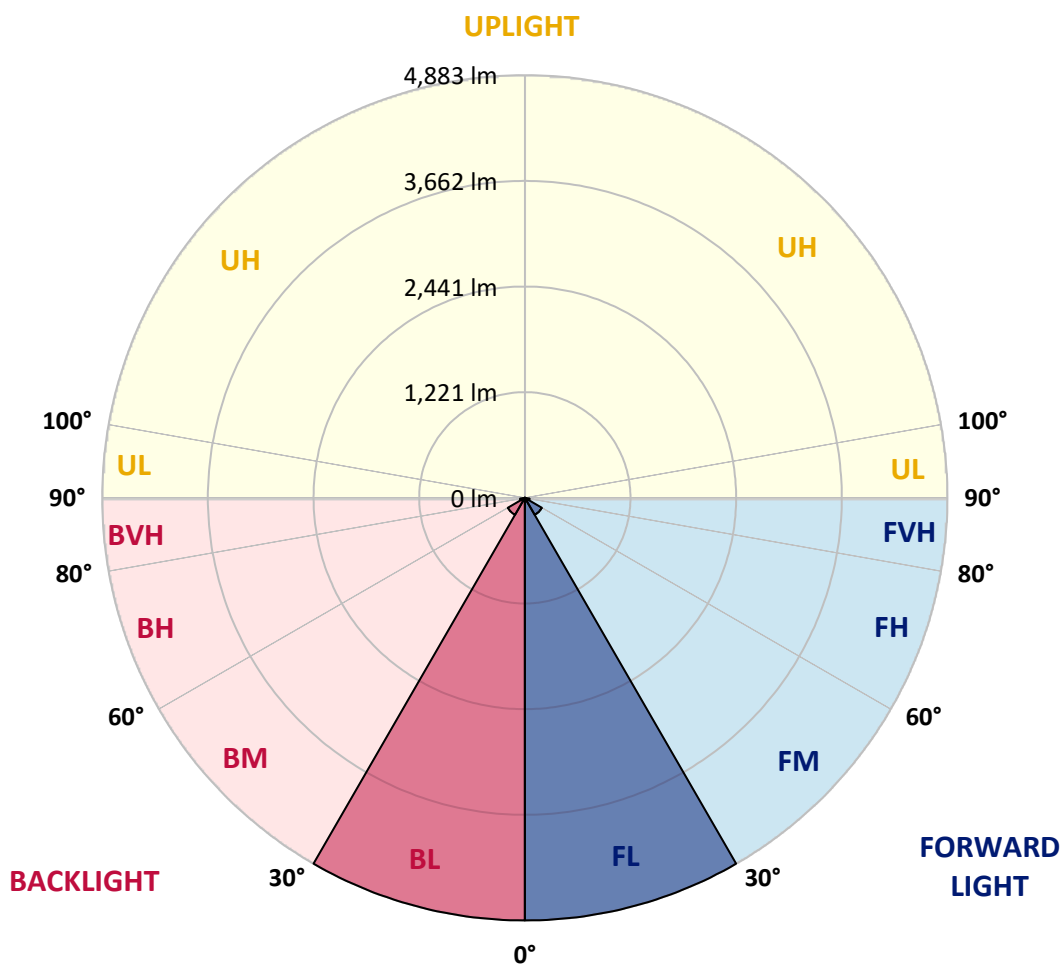


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4882.5	47.2			
FM (30°-60°)	227.7	2.2			
FH (60°-80°)	56.1	0.5			G0/660
FVH (80°-90°)	7.7	0.1			G0/10
BL (0°-30°)	4882.5	47.2	B4/5000		
BM (30°-60°)	227.7	2.2	B1/1000		
BH (60°-80°)	56.1	0.5	B0/110		G0/660
BVH (80°-90°)	7.7	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°	147290.7	147290.7	147290.7	147290.7	147290.7	147290.7	147290.7	147290.7	147290.7	147290.7
1°	143633.8	143829.2	143611.7	144710.2	145163.6	145399.6	145427.2	146046.5	145569.1	145701.9
2°	136063.8	136498.8	135770.8	136474.9	137883.1	138415.7	137547.6	138620.3	138237.0	138460.0
3°	123344.0	123876.7	122870.3	123731.1	125543.0	125948.5	124525.5	126049.8	126011.1	126331.8
4°	106948.9	107813.4	106375.7	107395.0	108196.7	109608.6	108229.9	109964.4	109931.2	110487.8
5°	88338.3	89272.8	88023.1	89081.1	89840.5	90365.8	89860.8	91779.5	91901.2	92476.2
6°	70127.6	70999.4	69604.2	70614.2	71817.8	72033.5	71902.6	73554.1	73920.9	73473.0
7°	53970.3	54187.8	53968.4	54886.3	55852.2	55887.2	56056.8	57509.2	57831.7	57676.9
8°	41333.4	40338.1	41193.3	41679.9	41978.5	43349.8	43451.2	44183.0	44776.5	44818.9
9°	31463.2	30541.6	31531.3	31724.9	32410.5	33628.9	33475.9	34275.9	34648.2	34624.2
10°	23987.2	23519.0	24014.8	24228.7	24792.7	25824.9	26003.6	26370.4	26646.9	26827.5
12.5°	13016.6	13125.3	13412.9	13637.7	14397.1	14671.7	14782.3	14813.7	14811.8	14841.3
15°	8086.0	8174.5	8375.4	8782.8	9245.4	9586.4	9634.3	9457.4	9304.4	9280.4
17.5°	5043.0	5007.9	5479.8	5925.8	6482.5	6659.4	6475.1	6272.4	6064.1	5944.3
20°	3026.5	3050.5	3210.8	3409.9	3859.6	4165.6	3973.9	3767.5	3551.8	3409.9
22.5°	1719.7	1745.5	1815.5	1918.8	2090.2	2368.5	2246.8	2038.6	1885.6	1822.9
25°	1015.6	1015.6	1058.0	1104.1	1176.0	1240.5	1214.7	1104.1	1013.8	987.9
27.5°	658.0	652.5	667.2	689.4	722.5	726.2	696.7	663.5	617.5	600.9
30°	481.1	482.9	481.1	490.3	488.4	475.5	457.1	459.0	440.5	438.7
32.5°	390.8	392.6	392.6	390.8	381.5	361.3	348.4	361.3	357.6	353.9
35°	324.4	326.2	344.7	342.8	328.1	306.0	296.8	311.5	322.6	306.0
37.5°	280.2	282.0	296.8	304.1	285.7	270.9	259.9	272.8	289.4	270.9
40°	247.0	248.8	252.5	254.4	245.1	237.8	232.2	235.9	243.3	234.1
42.5°	217.5	215.7	217.5	215.7	204.6	208.3	204.6	199.1	204.6	197.2
45°	189.8	189.8	189.8	184.3	173.3	180.6	176.9	171.4	173.3	167.7
47.5°	173.3	173.3	173.3	165.9	156.7	156.7	158.5	149.3	151.1	149.3
50°	156.7	156.7	160.4	153.0	145.6	140.1	141.9	134.6	136.4	134.6
52.5°	143.8	143.8	143.8	140.1	134.6	130.9	127.2	123.5	121.7	119.8
55°	138.2	138.2	136.4	125.3	123.5	119.8	112.4	110.6	106.9	105.1
57.5°	129.0	129.0	127.2	118.0	110.6	110.6	99.5	97.7	92.2	92.2
60°	114.3	114.3	112.4	110.6	101.4	95.8	88.5	84.8	79.3	77.4
62.5°	108.7	108.7	105.1	95.8	94.0	84.8	77.4	70.0	66.4	62.7
65°	101.4	99.5	97.7	88.5	81.1	75.6	66.4	57.1	53.5	46.1
67.5°	90.3	90.3	88.5	81.1	73.7	64.5	55.3	47.9	38.7	33.2
70°	79.3	77.4	77.4	70.0	64.5	57.1	44.2	36.9	27.6	22.1
72.5°	66.4	66.4	64.5	59.0	55.3	49.8	38.7	29.5	18.4	14.7
75°	53.5	53.5	51.6	47.9	46.1	40.6	33.2	25.8	14.7	7.4
77.5°	44.2	42.4	42.4	38.7	36.9	33.2	27.6	20.3	11.1	5.5
80°	33.2	33.2	35.0	33.2	29.5	27.6	24.0	18.4	9.2	3.7
82.5°	24.0	24.0	25.8	25.8	25.8	24.0	24.0	18.4	9.2	1.8
85°	16.6	16.6	20.3	18.4	18.4	20.3	29.5	24.0	7.4	1.8
87.5°	9.2	9.2	9.2	7.4	7.4	9.2	11.1	9.2	3.7	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
147290.7
144726.8
137663.7
125471.1
109510.9
91377.7
73519.1
57464.9
44284.3
35188.2
26934.4
14865.3
9206.7
5925.8
3441.2
1830.3
984.3
600.9
436.8
346.5
302.3
269.1
230.4
197.2
167.7
149.3
134.6
119.8
103.2
92.2
73.7
60.8
44.2
33.2
22.1
12.9
7.4
3.7
1.8
1.8
1.8
1.8
0.0

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