

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: P636235

Luminaire Tested: **IFLD-L-SA7A-940-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636235
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-940-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21644.6 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

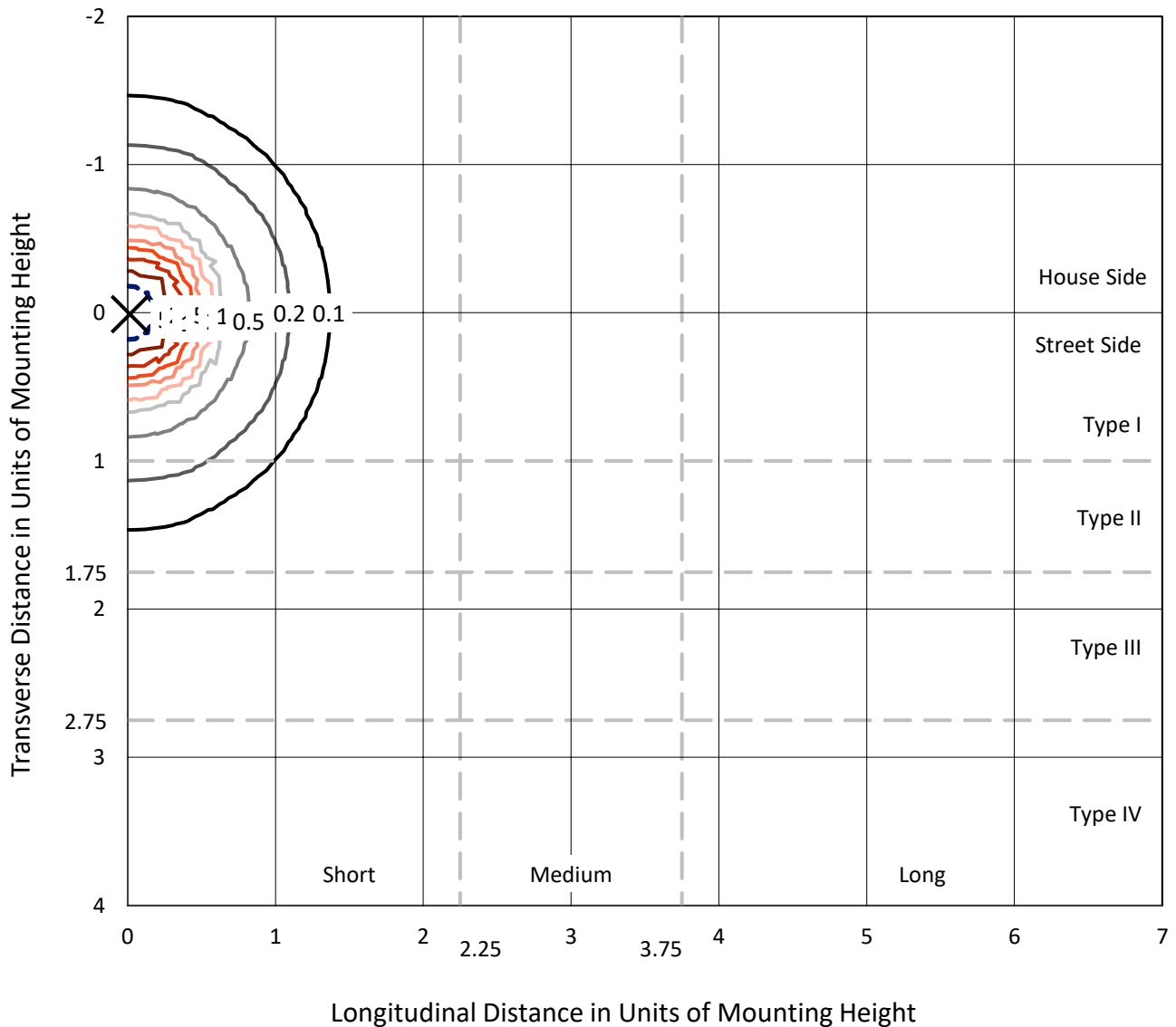
Input Watts (W): 217.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

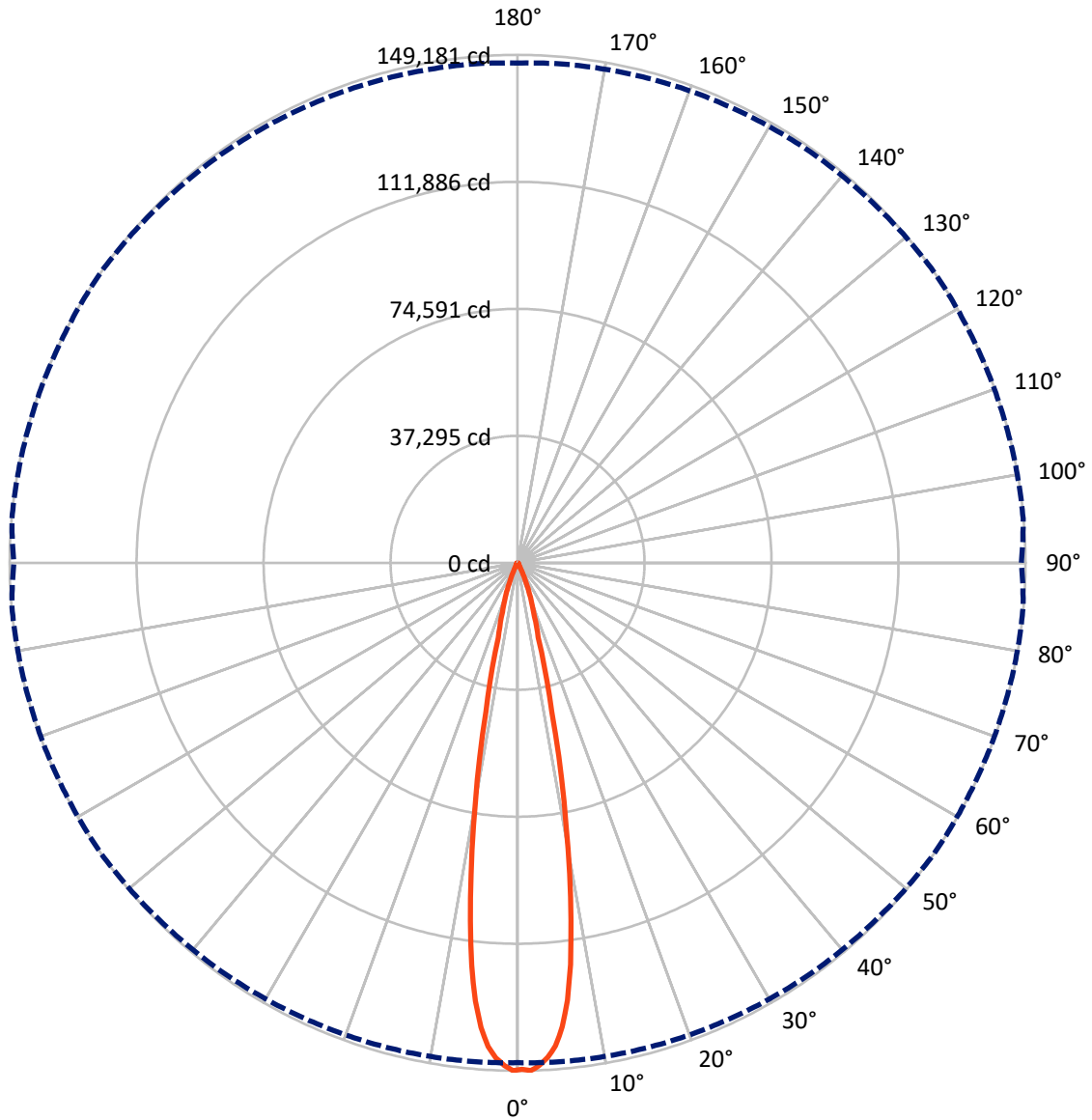
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 372 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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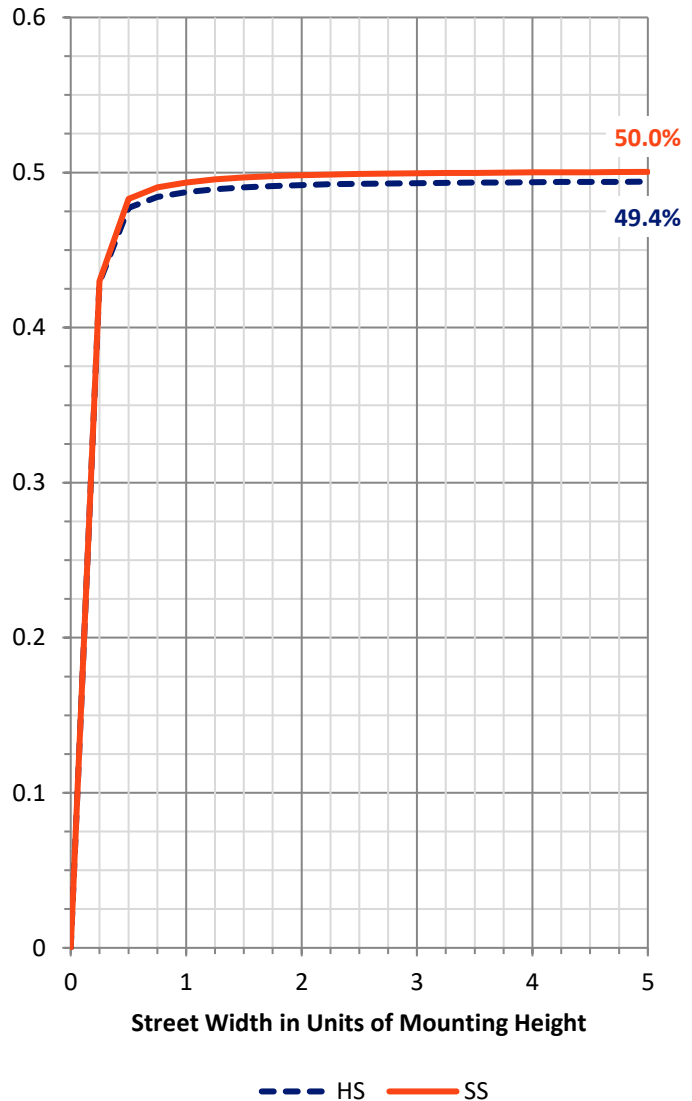
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10822.3	0.0	10822.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10822.3	0.0	10822.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	21644.6	0.0	21644.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10997.1	50.8
10°-20°	7793.7	36.0
20°-30°	1826.2	8.4
30°-40°	381.7	1.8
40°-50°	246.2	1.1
50°-60°	182.4	0.8
60°-70°	124.0	0.6
70°-80°	66.2	0.3
80°-90°	27.1	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°	21644.6	100.0
0°-180°	21644.6	100.0

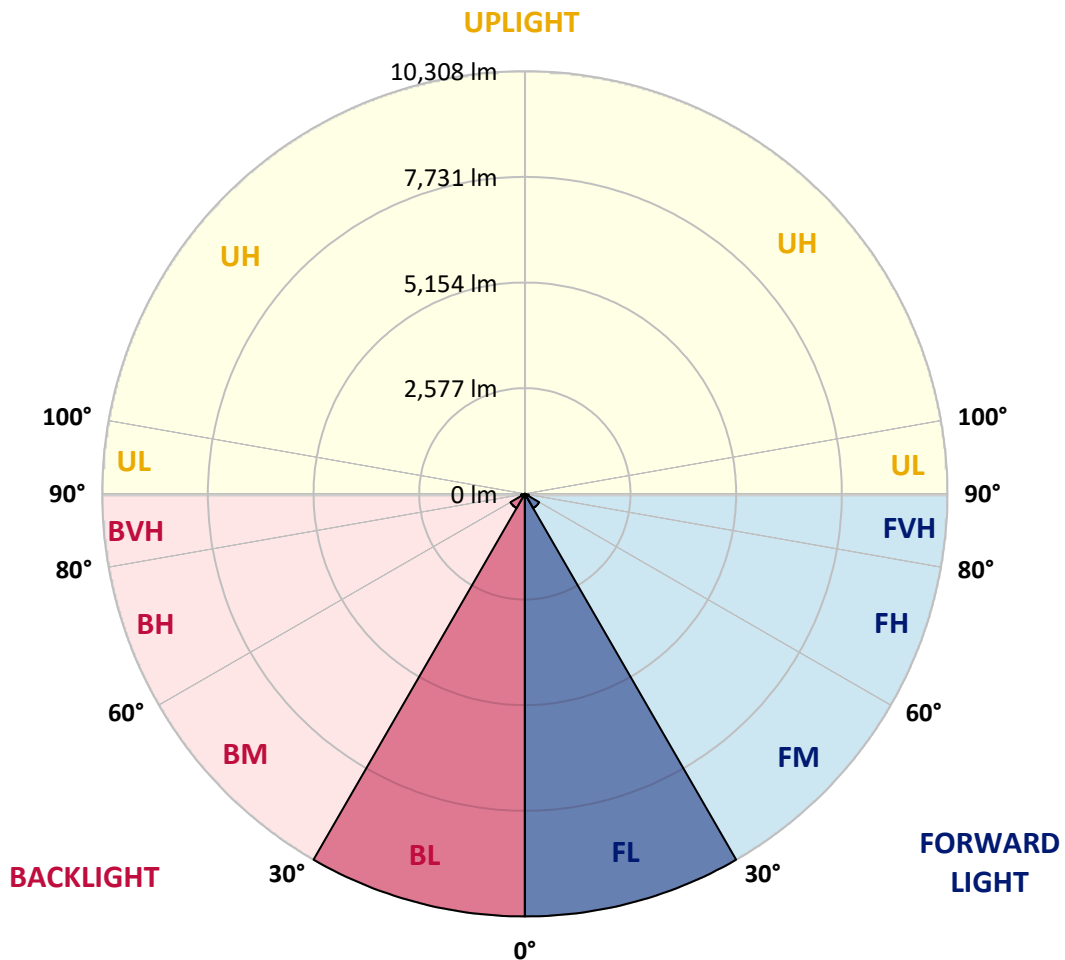


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10308.5	47.6			
FM (30°-60°)	405.2	1.9			
FH (60°-80°)	95.1	0.4			G0/660
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	10308.5	47.6	B5		
BM (30°-60°)	405.2	1.9	B1/1000		
BH (60°-80°)	95.1	0.4	B0/110		G0/660
BVH (80°-90°)	13.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	148798.3	148798.3	148798.3	148798.3	148798.3	148798.3	148798.3	148798.3	148798.3	148798.3
1°	146796.4	147068.2	147401.2	147703.6	148159.1	148530.4	149181.1	149043.3	149024.2	149051.0
2°	143952.3	144293.0	144805.9	145108.3	146283.5	146765.8	147749.5	148040.4	147806.9	148071.0
3°	139692.0	139971.4	140775.2	141368.6	142892.0	144193.5	145510.2	145946.6	145674.8	145797.3
4°	134620.1	134907.2	135879.5	137089.1	139290.1	140733.1	142310.2	142700.6	141812.6	141873.8
5°	128583.7	128717.7	129908.1	131010.5	133644.0	135393.4	136890.0	137012.5	136201.0	135891.0
6°	121793.2	121552.0	122646.8	123113.7	126386.5	128170.3	129265.0	129123.4	128507.1	128243.0
7°	113724.1	113394.9	114279.2	114026.5	116924.2	117942.4	118995.0	118512.7	118022.8	118631.4
8°	104388.1	104204.4	103634.0	104667.5	105241.7	106152.7	106148.9	105869.5	105854.2	106868.5
9°	90814.7	92510.4	92009.0	93092.3	92946.8	92904.7	92625.3	92445.4	91679.8	92847.3
10°	75909.2	77019.3	77865.2	79480.6	79166.7	79610.7	78056.6	78320.8	77811.7	78776.3
12.5°	39292.4	40540.3	41271.4	42504.0	43859.0	45244.7	44796.8	44333.7	43640.8	44490.6
15°	19341.9	19835.7	20069.2	21320.9	22285.5	22633.8	22687.4	22277.8	22101.8	22285.5
17.5°	11870.0	12042.3	12719.8	14159.1	14993.5	15200.2	15066.2	14618.4	14117.0	13906.4
20°	8593.4	8643.2	8899.7	9179.1	10293.0	10874.8	10660.4	10220.2	9757.1	9538.9
22.5°	5611.6	5661.3	5745.5	5898.7	6197.2	6916.8	6683.4	6384.8	6070.9	6005.8
25°	3177.1	3177.1	3265.1	3422.1	3644.1	3697.7	3743.6	3425.9	3280.4	3215.4
27.5°	1772.3	1783.8	1802.9	1864.1	1975.1	1963.7	1913.9	1829.7	1730.2	1626.8
30°	979.9	991.4	1002.9	1018.2	1037.3	1002.9	972.3	957.0	914.8	903.4
32.5°	734.9	734.9	742.6	738.8	719.6	677.5	658.4	681.3	677.5	658.4
35°	604.8	604.8	612.4	627.8	589.5	558.9	543.5	574.2	574.2	562.7
37.5°	493.8	497.6	501.4	520.6	509.1	474.6	470.8	478.5	482.3	478.5
40°	432.5	428.7	428.7	432.5	424.9	417.2	409.6	405.7	409.6	405.7
42.5°	375.1	371.3	379.0	371.3	356.0	359.8	359.8	348.3	352.2	344.5
45°	329.2	325.4	329.2	321.5	310.1	313.9	313.9	298.6	298.6	294.7
47.5°	290.9	290.9	290.9	294.7	275.6	271.8	275.6	271.8	260.3	256.5
50°	252.6	256.5	260.3	267.9	248.8	241.2	241.2	241.2	233.5	229.7
52.5°	233.5	237.3	237.3	237.3	225.8	218.2	218.2	214.4	210.5	206.7
55°	225.8	225.8	225.8	210.5	206.7	202.9	191.4	187.6	183.7	183.7
57.5°	214.4	214.4	210.5	199.0	187.6	187.6	172.3	168.4	164.6	164.6
60°	191.4	191.4	191.4	187.6	172.3	168.4	153.1	145.5	141.6	141.6
62.5°	176.1	176.1	176.1	160.8	156.9	145.5	134.0	122.5	118.7	111.0
65°	160.8	160.8	160.8	145.5	137.8	126.3	111.0	99.5	91.9	80.4
67.5°	149.3	149.3	145.5	134.0	122.5	107.2	91.9	80.4	65.1	57.4
70°	130.1	130.1	126.3	118.7	107.2	95.7	76.6	61.2	49.8	38.3
72.5°	111.0	111.0	107.2	99.5	91.9	80.4	65.1	53.6	34.5	26.8
75°	91.9	91.9	88.0	80.4	76.6	68.9	57.4	42.1	26.8	11.5
77.5°	76.6	76.6	72.7	68.9	65.1	57.4	49.8	34.5	19.1	7.7
80°	57.4	61.2	61.2	61.2	53.6	49.8	45.9	34.5	15.3	3.8
82.5°	42.1	45.9	45.9	45.9	42.1	38.3	42.1	30.6	15.3	3.8
85°	30.6	30.6	34.5	34.5	34.5	34.5	45.9	34.5	11.5	3.8
87.5°	15.3	15.3	15.3	15.3	15.3	19.1	23.0	19.1	7.7	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°
148798.3
147983.0
147068.2
144878.7
140962.8
135244.1
127649.7
118443.8
104055.1
90669.3
76303.5
42190.1
21428.1
13611.7
9370.5
5871.9
3161.8
1630.6
903.4
646.9
558.9
478.5
409.6
348.3
294.7
256.5
225.8
202.9
179.9
164.6
137.8
103.4
80.4
53.6
38.3
23.0
11.5
3.8
3.8
3.8
3.8
0.0
0.0

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