

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: P636138

Luminaire Tested: **IFLD-S-SA6A-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636138
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16352.1 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

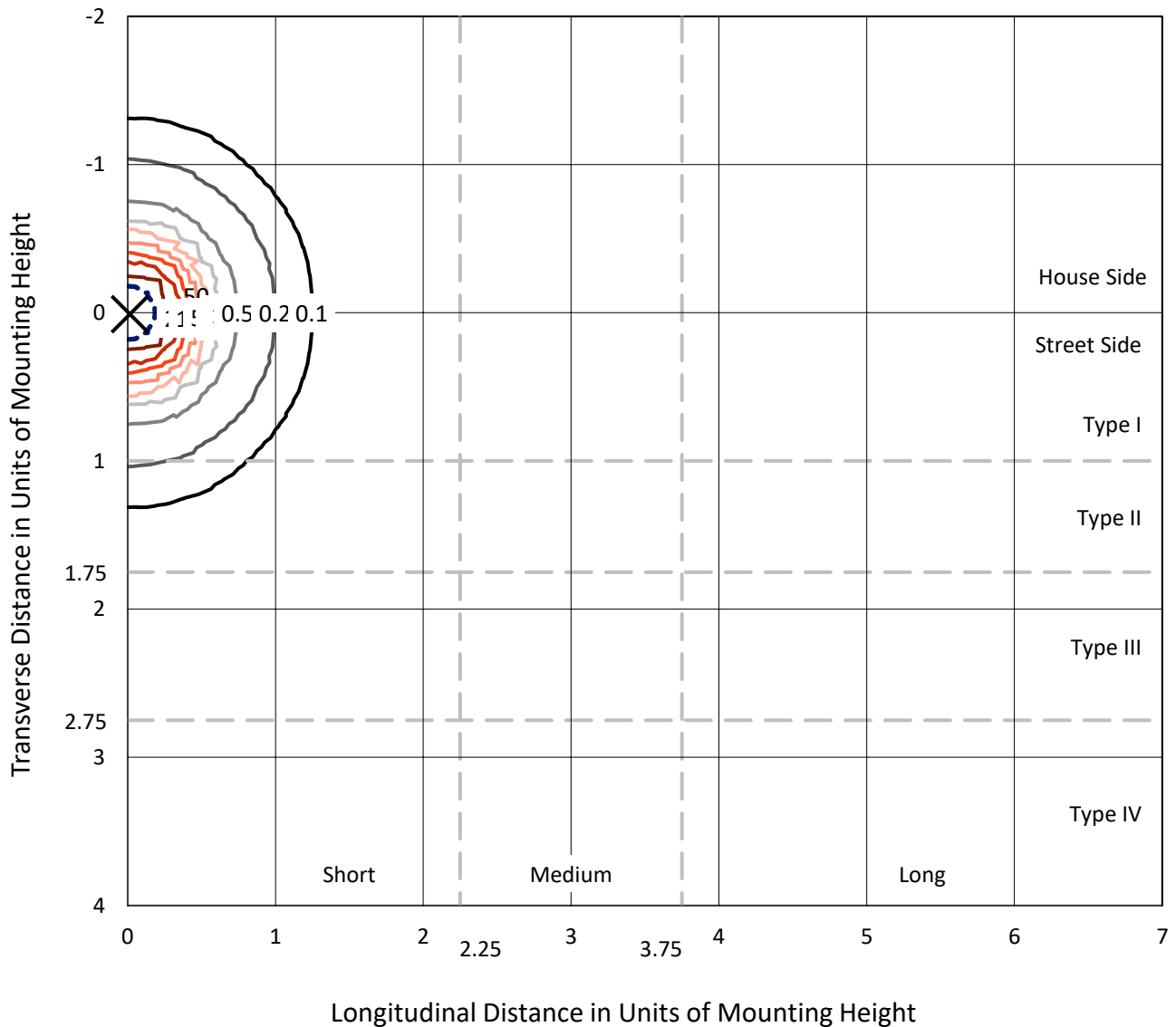
Input Watts (W): 189.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

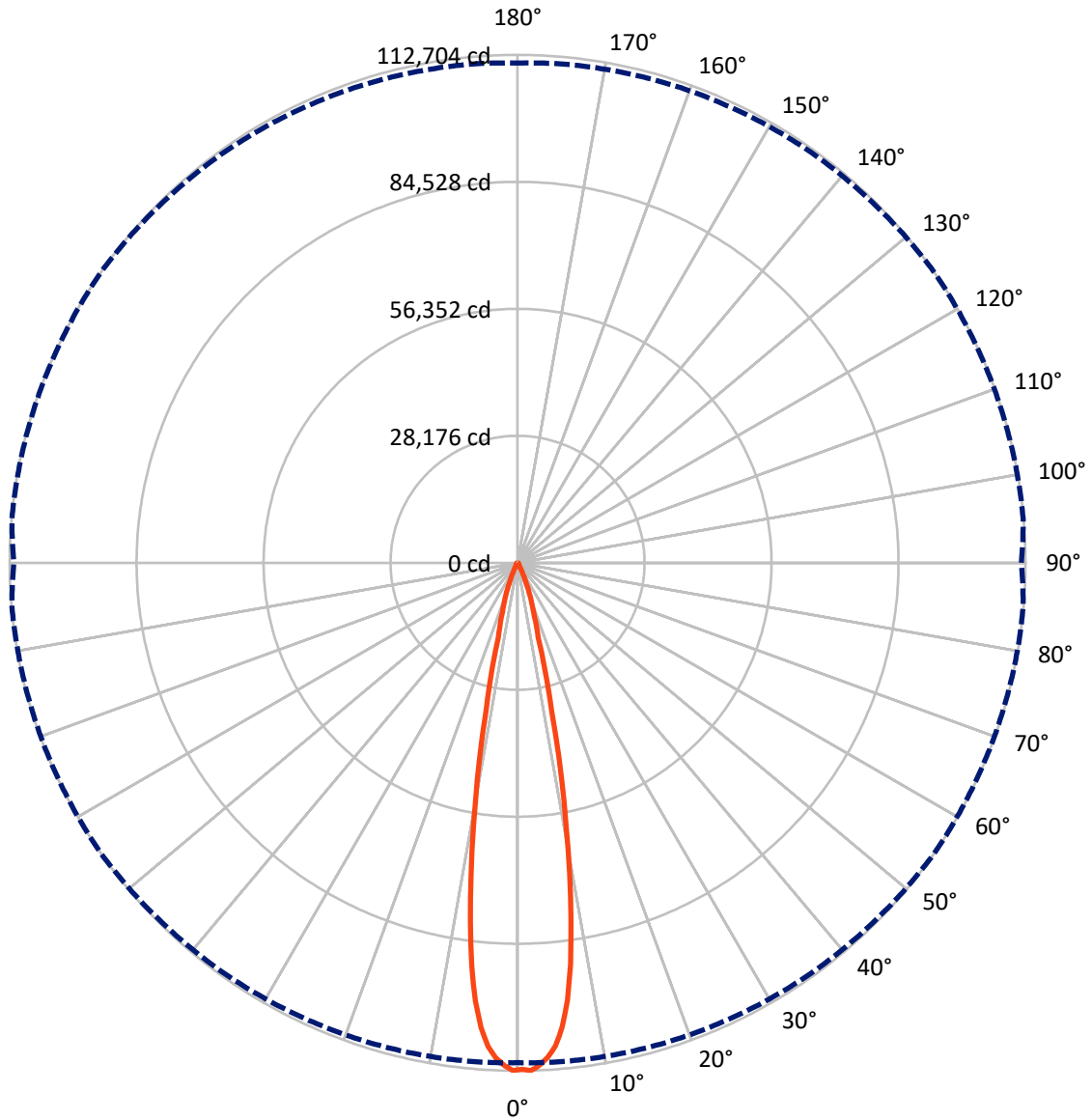
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 281 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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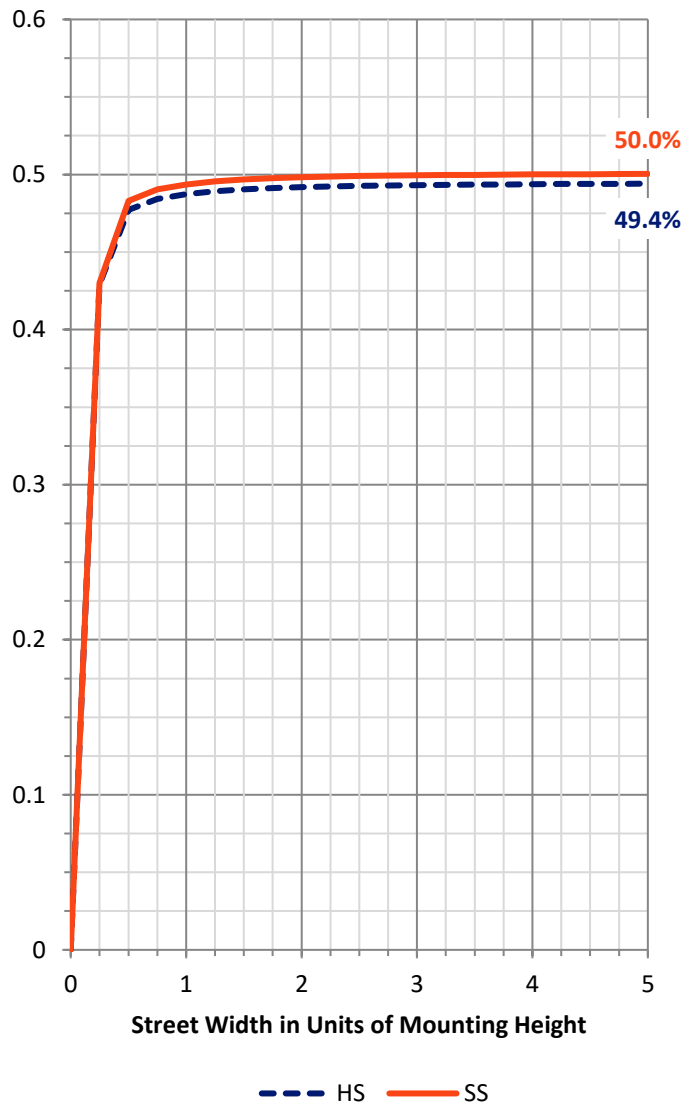
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8176.0	0.0	8176.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8176.0	0.0	8176.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16352.1	0.0	16352.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8308.1	50.8
10°-20°	5888.0	36.0
20°-30°	1379.7	8.4
30°-40°	288.4	1.8
40°-50°	186.0	1.1
50°-60°	137.8	0.8
60°-70°	93.7	0.6
70°-80°	50.0	0.3
80°-90°	20.5	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°	16352.1	100.0
0°-180°	16352.1	100.0

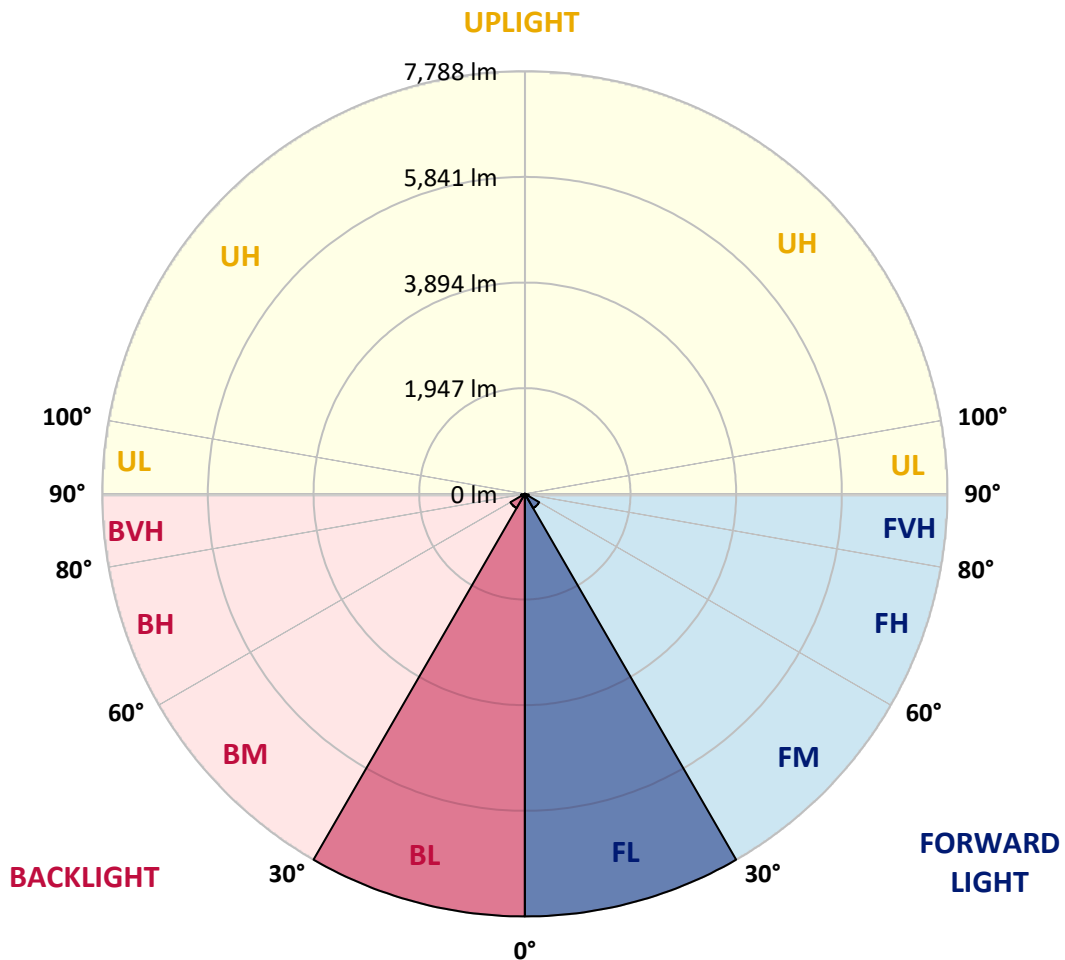


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7787.9	47.6			
FM (30°-60°)	306.1	1.9			
FH (60°-80°)	71.8	0.4			G0/660
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	7787.9	47.6	B5		
BM (30°-60°)	306.1	1.9	B1/1000		
BH (60°-80°)	71.8	0.4	B0/110		G0/660
BVH (80°-90°)	10.2	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°	112414.6	112414.6	112414.6	112414.6	112414.6	112414.6	112414.6	112414.6	112414.6	112414.6
1°	110902.2	111107.5	111359.1	111587.5	111931.7	112212.2	112703.8	112599.7	112585.2	112605.5
2°	108753.5	109010.9	109398.4	109626.9	110514.7	110879.0	111622.2	111842.0	111665.6	111865.2
3°	105534.9	105746.0	106353.3	106801.5	107952.5	108935.7	109930.5	110260.2	110054.9	110147.4
4°	101703.2	101920.1	102654.6	103568.5	105231.3	106321.5	107512.9	107807.9	107137.0	107183.3
5°	97142.8	97244.0	98143.4	98976.2	100965.8	102287.4	103418.1	103510.6	102897.6	102663.3
6°	92012.7	91830.5	92657.5	93010.3	95482.9	96830.5	97657.5	97550.5	97085.0	96885.4
7°	85916.7	85668.0	86336.0	86145.1	88334.2	89103.5	89898.7	89534.3	89164.2	89624.0
8°	78863.4	78724.6	78293.8	79074.6	79508.3	80196.6	80193.7	79982.6	79971.0	80737.4
9°	68609.0	69890.1	69511.2	70329.6	70219.7	70187.9	69976.8	69840.9	69262.5	70144.5
10°	57348.1	58186.8	58825.9	60046.2	59809.1	60144.5	58970.5	59170.0	58785.4	59514.1
12.5°	29684.8	30627.5	31179.9	32111.0	33134.7	34181.6	33843.2	33493.3	32969.9	33611.9
15°	14612.5	14985.5	15161.9	16107.6	16836.3	17099.5	17140.0	16830.5	16697.5	16836.3
17.5°	8967.6	9097.7	9609.6	10696.9	11327.3	11483.5	11382.3	11043.9	10665.1	10506.1
20°	6492.2	6529.8	6723.5	6934.6	7776.2	8215.7	8053.8	7721.2	7371.3	7206.5
22.5°	4239.4	4277.0	4340.7	4456.3	4681.9	5225.6	5049.2	4823.6	4586.5	4537.3
25°	2400.2	2400.2	2466.7	2585.3	2753.0	2793.5	2828.2	2588.2	2478.3	2429.1
27.5°	1338.9	1347.6	1362.1	1408.3	1492.2	1483.5	1445.9	1382.3	1307.1	1229.0
30°	740.3	749.0	757.7	769.2	783.7	757.7	734.5	723.0	691.2	682.5
32.5°	555.2	555.2	561.0	558.1	543.7	511.9	497.4	514.7	511.9	497.4
35°	456.9	456.9	462.7	474.3	445.3	422.2	410.6	433.8	433.8	425.1
37.5°	373.0	375.9	378.8	393.3	384.6	358.6	355.7	361.5	364.4	361.5
40°	326.8	323.9	323.9	326.8	321.0	315.2	309.4	306.5	309.4	306.5
42.5°	283.4	280.5	286.3	280.5	268.9	271.8	271.8	263.2	266.0	260.3
45°	248.7	245.8	248.7	242.9	234.2	237.1	237.1	225.6	225.6	222.7
47.5°	219.8	219.8	219.8	222.7	208.2	205.3	208.2	205.3	196.6	193.8
50°	190.9	193.8	196.6	202.4	188.0	182.2	182.2	182.2	176.4	173.5
52.5°	176.4	179.3	179.3	179.3	170.6	164.8	164.8	161.9	159.1	156.2
55°	170.6	170.6	170.6	159.1	156.2	153.3	144.6	141.7	138.8	138.8
57.5°	161.9	161.9	159.1	150.4	141.7	141.7	130.1	127.2	124.3	124.3
60°	144.6	144.6	144.6	141.7	130.1	127.2	115.7	109.9	107.0	107.0
62.5°	133.0	133.0	133.0	121.5	118.6	109.9	101.2	92.5	89.6	83.9
65°	121.5	121.5	121.5	109.9	104.1	95.4	83.9	75.2	69.4	60.7
67.5°	112.8	112.8	109.9	101.2	92.5	81.0	69.4	60.7	49.2	43.4
70°	98.3	98.3	95.4	89.6	81.0	72.3	57.8	46.3	37.6	28.9
72.5°	83.9	83.9	81.0	75.2	69.4	60.7	49.2	40.5	26.0	20.2
75°	69.4	69.4	66.5	60.7	57.8	52.1	43.4	31.8	20.2	8.7
77.5°	57.8	57.8	54.9	52.1	49.2	43.4	37.6	26.0	14.5	5.8
80°	43.4	46.3	46.3	46.3	40.5	37.6	34.7	26.0	11.6	2.9
82.5°	31.8	34.7	34.7	34.7	31.8	28.9	31.8	23.1	11.6	2.9
85°	23.1	23.1	26.0	26.0	26.0	26.0	34.7	26.0	8.7	2.9
87.5°	11.6	11.6	11.6	11.6	11.6	14.5	17.4	14.5	5.8	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°
112414.6
111798.6
111107.5
109453.4
106495.0
102174.6
96437.2
89482.3
78611.9
68499.1
57646.0
31873.9
16188.5
10283.4
7079.2
4436.1
2388.7
1231.9
682.5
488.7
422.2
361.5
309.4
263.2
222.7
193.8
170.6
153.3
135.9
124.3
104.1
78.1
60.7
40.5
28.9
17.4
8.7
2.9
2.9
2.9
2.9
0.0
0.0

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