

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: P636136

Luminaire Tested: **IFLD-S-SA3D-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636136
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14120.8 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

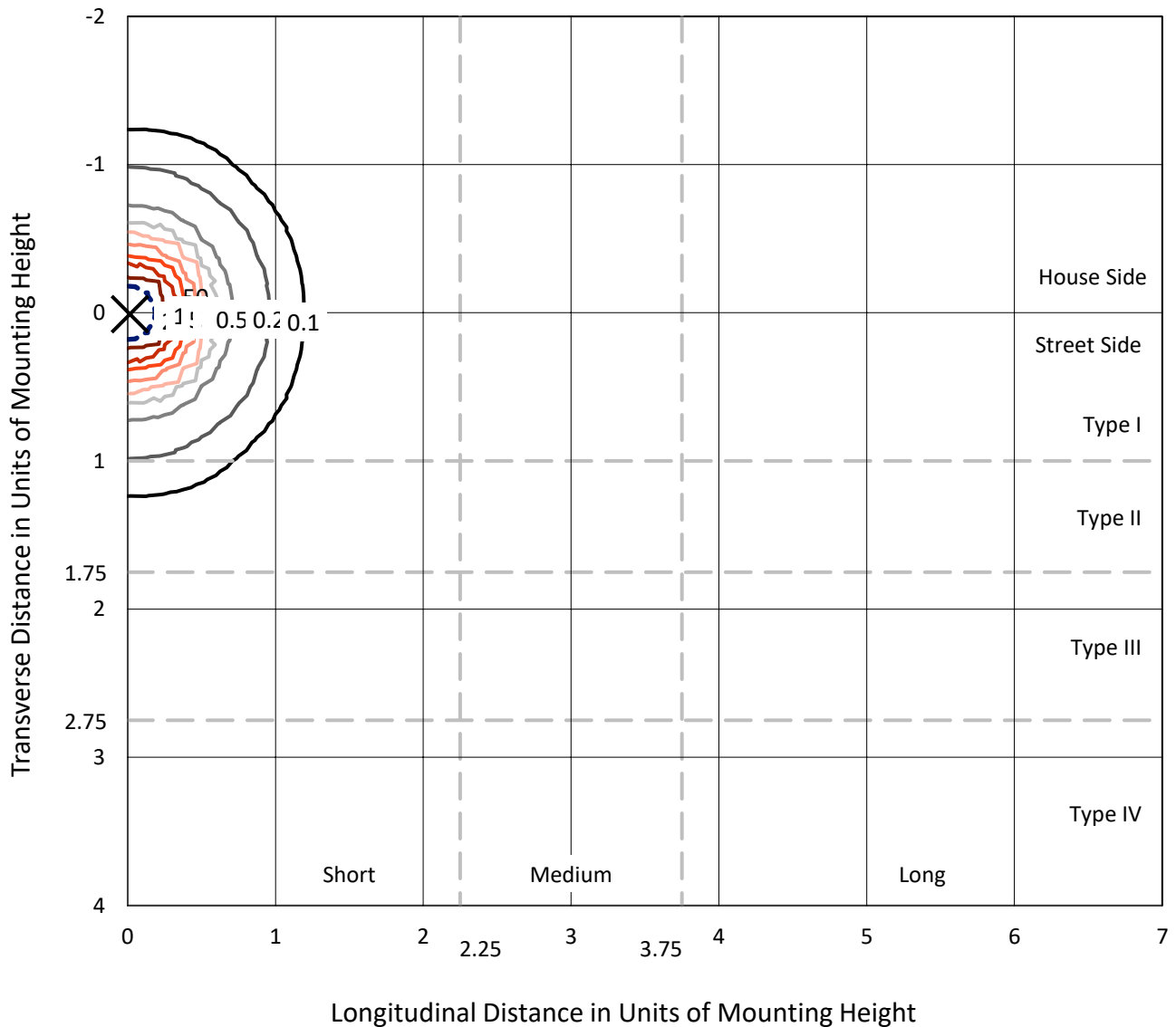
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

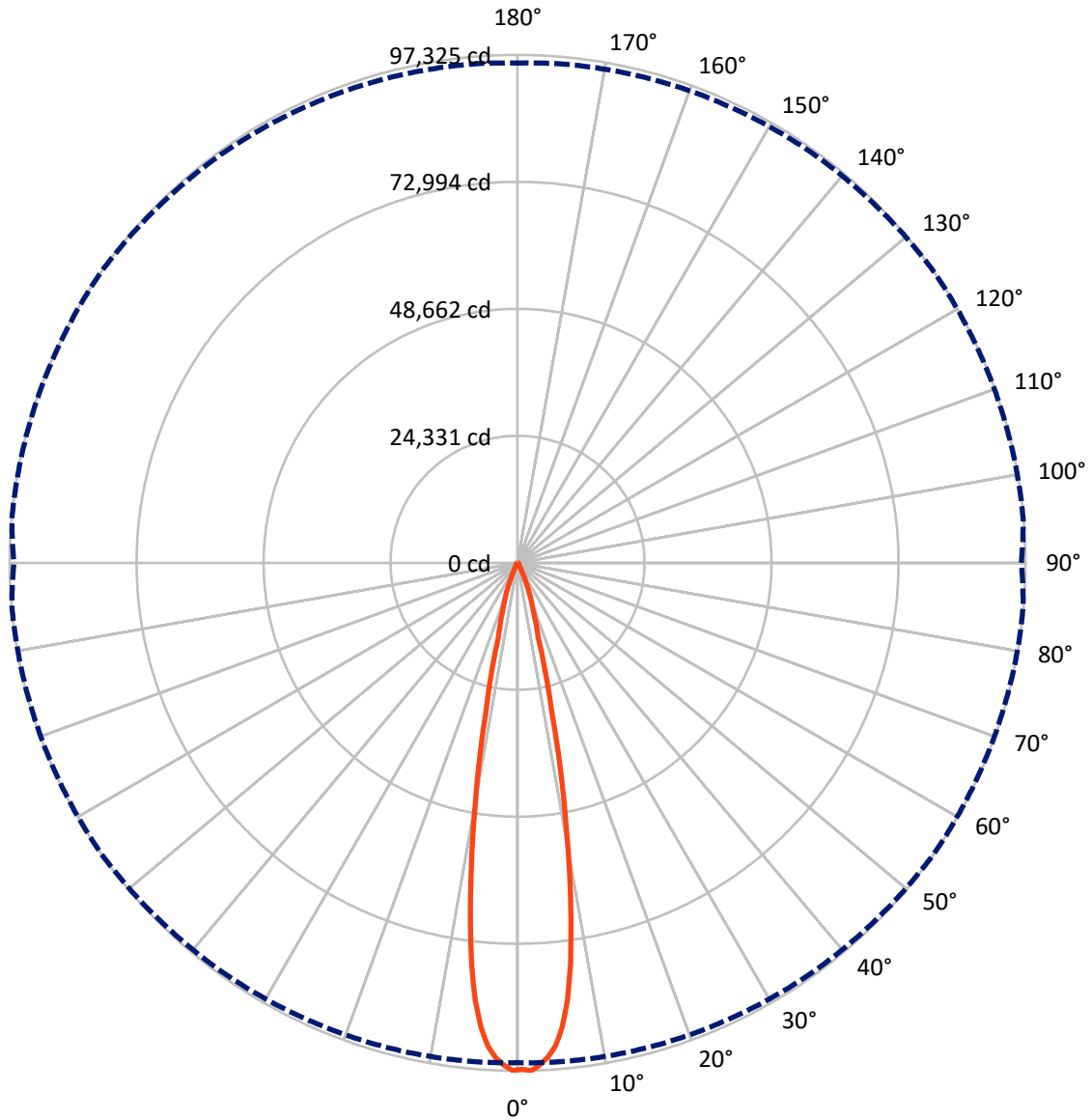
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 242.7 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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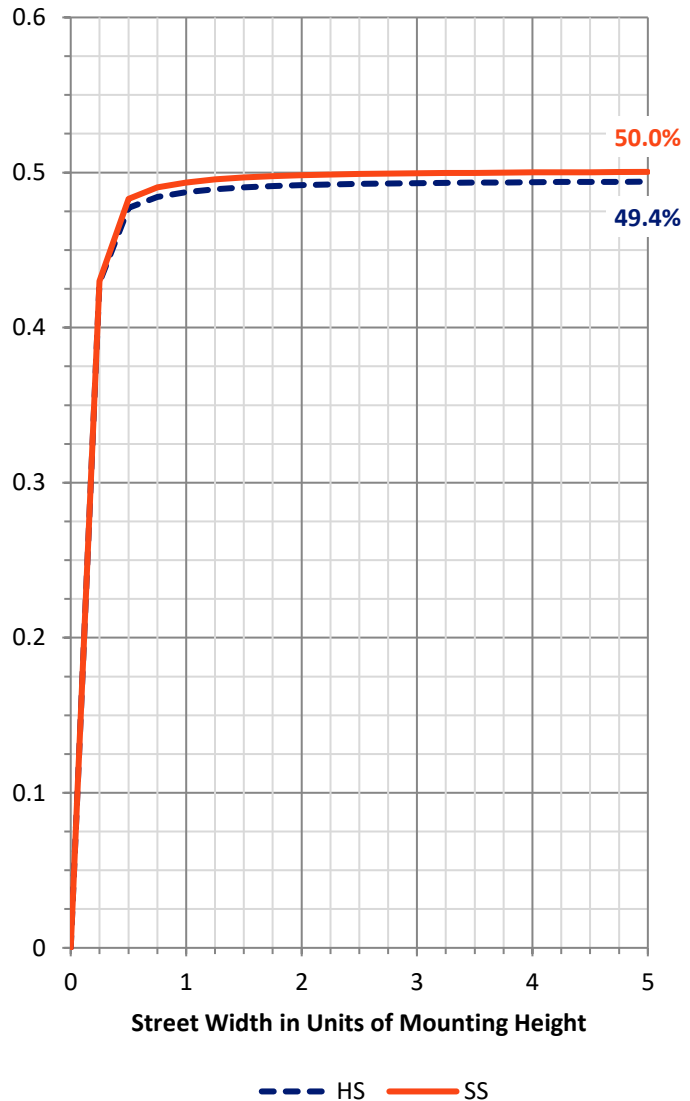
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7060.4	0.0	7060.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7060.4	0.0	7060.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14120.8	0.0	14120.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7174.4	50.8
10°-20°	5084.6	36.0
20°-30°	1191.4	8.4
30°-40°	249.0	1.8
40°-50°	160.6	1.1
50°-60°	119.0	0.8
60°-70°	80.9	0.6
70°-80°	43.2	0.3
80°-90°	17.7	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°	14120.8	100.0
0°-180°	14120.8	100.0

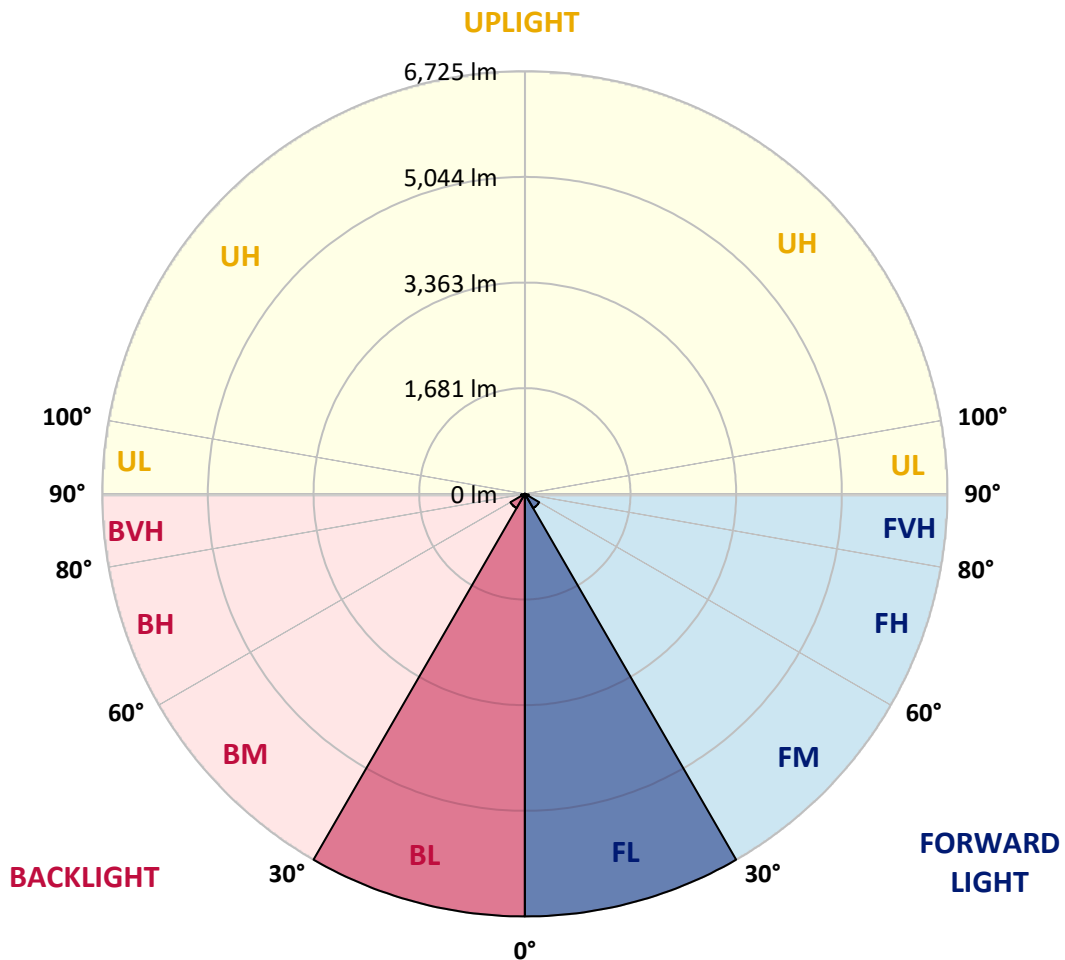


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6725.2	47.6			
FM (30°-60°)	264.3	1.9			
FH (60°-80°)	62.0	0.4			G0/660
FVH (80°-90°)	8.9	0.1			G0/10
BL (0°-30°)	6725.2	47.6	B5		
BM (30°-60°)	264.3	1.9	B1/1000		
BH (60°-80°)	62.0	0.4	B0/110		G0/660
BVH (80°-90°)	8.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	97075.0	97075.0	97075.0	97075.0	97075.0	97075.0	97075.0	97075.0	97075.0	97075.0
1°	95768.9	95946.2	96163.5	96360.8	96658.0	96900.2	97324.7	97234.8	97222.3	97239.8
2°	93913.5	94135.8	94470.4	94667.7	95434.3	95749.0	96390.8	96580.5	96428.2	96600.5
3°	91134.1	91316.4	91840.8	92227.9	93221.8	94070.8	94929.9	95214.6	95037.3	95117.2
4°	87825.2	88012.5	88646.8	89436.0	90871.9	91813.3	92842.2	93096.9	92517.5	92557.5
5°	83887.1	83974.5	84751.1	85470.3	87188.4	88329.7	89306.1	89386.0	88856.6	88654.3
6°	79457.0	79299.7	80013.9	80318.6	82453.7	83617.4	84331.6	84239.2	83837.2	83664.8
7°	74192.8	73978.1	74554.9	74390.1	76280.5	76944.8	77631.5	77316.9	76997.2	77394.3
8°	68102.1	67982.2	67610.1	68284.4	68659.0	69253.3	69250.8	69068.5	69058.5	69720.3
9°	59246.9	60353.2	60026.0	60732.7	60637.8	60610.4	60428.1	60310.7	59811.3	60572.9
10°	49522.7	50246.9	50798.7	51852.6	51647.8	51937.5	50923.6	51095.9	50763.8	51393.1
12.5°	25634.1	26448.2	26925.2	27729.3	28613.3	29517.3	29225.1	28923.0	28471.0	29025.4
15°	12618.5	12940.7	13093.0	13909.6	14538.9	14766.1	14801.1	14533.9	14419.0	14538.9
17.5°	7743.9	7856.3	8298.3	9237.3	9781.7	9916.5	9829.1	9536.9	9209.8	9072.5
20°	5606.3	5638.8	5806.1	5988.4	6715.1	7094.6	6954.8	6667.6	6365.5	6223.1
22.5°	3660.9	3693.4	3748.3	3848.2	4043.0	4512.5	4360.2	4165.4	3960.6	3918.2
25°	2072.7	2072.7	2130.1	2232.5	2377.4	2412.3	2442.3	2235.0	2140.1	2097.7
27.5°	1156.2	1163.7	1176.2	1216.2	1288.6	1281.1	1248.6	1193.7	1128.7	1061.3
30°	639.3	646.8	654.3	664.3	676.8	654.3	634.3	624.3	596.8	589.3
32.5°	479.5	479.5	484.5	482.0	469.5	442.0	429.5	444.5	442.0	429.5
35°	394.6	394.6	399.6	409.5	384.6	364.6	354.6	374.6	374.6	367.1
37.5°	322.1	324.6	327.1	339.6	332.1	309.7	307.2	312.2	314.7	312.2
40°	282.2	279.7	279.7	282.2	277.2	272.2	267.2	264.7	267.2	264.7
42.5°	244.7	242.2	247.2	242.2	232.2	234.7	234.7	227.2	229.7	224.8
45°	214.8	212.3	214.8	209.8	202.3	204.8	204.8	194.8	194.8	192.3
47.5°	189.8	189.8	189.8	192.3	179.8	177.3	179.8	177.3	169.8	167.3
50°	164.8	167.3	169.8	174.8	162.3	157.3	157.3	157.3	152.3	149.8
52.5°	152.3	154.8	154.8	154.8	147.3	142.3	142.3	139.8	137.3	134.9
55°	147.3	147.3	147.3	137.3	134.9	132.4	124.9	122.4	119.9	119.9
57.5°	139.8	139.8	137.3	129.9	122.4	122.4	112.4	109.9	107.4	107.4
60°	124.9	124.9	124.9	122.4	112.4	109.9	99.9	94.9	92.4	92.4
62.5°	114.9	114.9	114.9	104.9	102.4	94.9	87.4	79.9	77.4	72.4
65°	104.9	104.9	104.9	94.9	89.9	82.4	72.4	64.9	59.9	52.4
67.5°	97.4	97.4	94.9	87.4	79.9	69.9	59.9	52.4	42.5	37.5
70°	84.9	84.9	82.4	77.4	69.9	62.4	49.9	40.0	32.5	25.0
72.5°	72.4	72.4	69.9	64.9	59.9	52.4	42.5	35.0	22.5	17.5
75°	59.9	59.9	57.4	52.4	49.9	45.0	37.5	27.5	17.5	7.5
77.5°	49.9	49.9	47.4	45.0	42.5	37.5	32.5	22.5	12.5	5.0
80°	37.5	40.0	40.0	40.0	35.0	32.5	30.0	22.5	10.0	2.5
82.5°	27.5	30.0	30.0	30.0	27.5	25.0	27.5	20.0	10.0	2.5
85°	20.0	20.0	22.5	22.5	22.5	22.5	30.0	22.5	7.5	2.5
87.5°	10.0	10.0	10.0	10.0	10.0	12.5	15.0	12.5	5.0	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°
97075.0
96543.1
95946.2
94517.8
91963.2
88232.3
83277.8
77271.9
67884.8
59152.0
49779.9
27524.5
13979.5
8880.2
6113.2
3830.8
2062.7
1063.8
589.3
422.0
364.6
312.2
267.2
227.2
192.3
167.3
147.3
132.4
117.4
107.4
89.9
67.4
52.4
35.0
25.0
15.0
7.5
2.5
2.5
2.5
2.5
0.0
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