

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: P636284

Luminaire Tested: **IFLD-S-SA6B-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636284
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19756.9 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

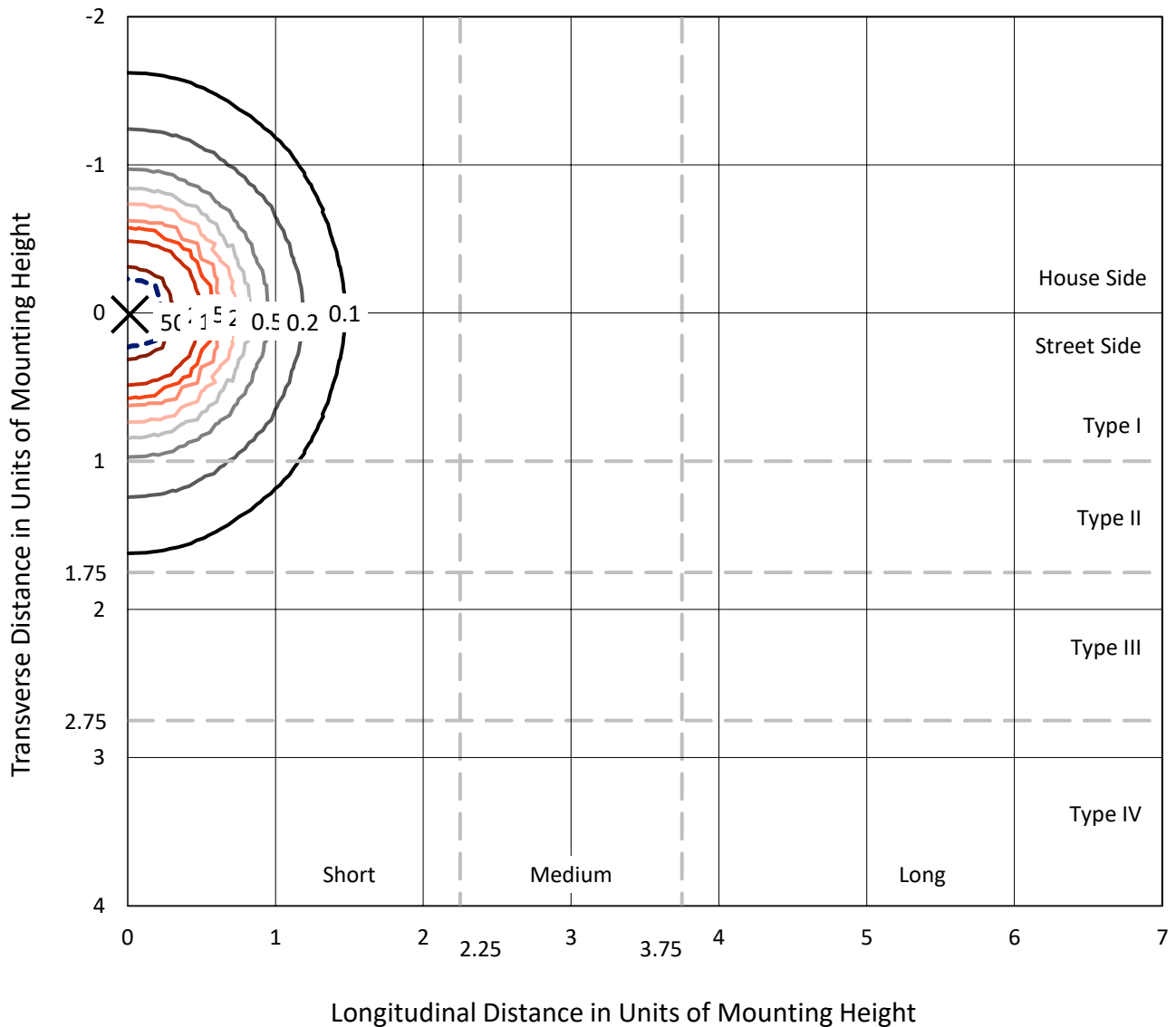
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

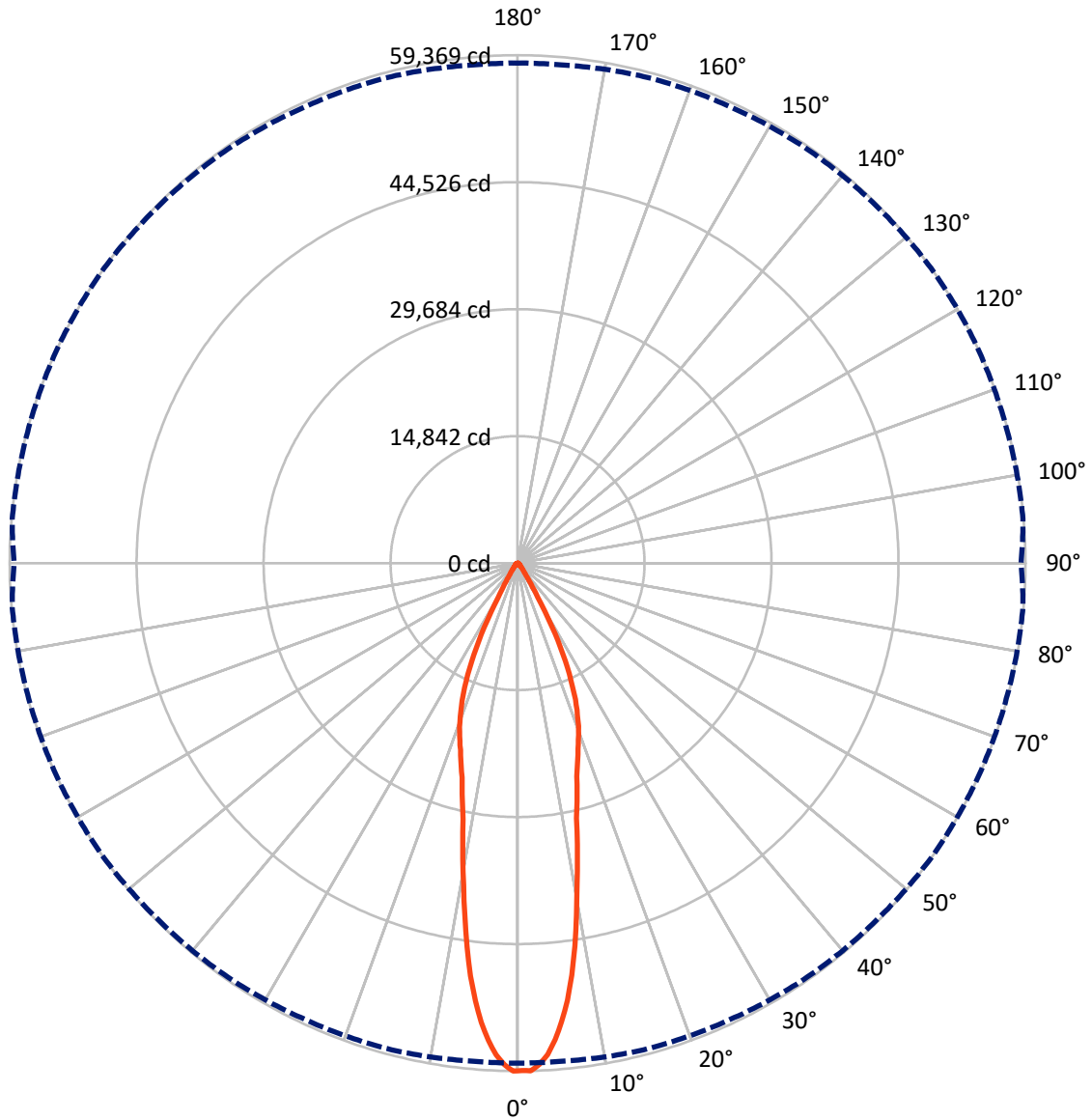
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 148.3 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	9878.5	0.0	9878.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9878.5	0.0	9878.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19756.9	0.0	19756.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4511.9	22.8
10°-20°	7369.2	37.3
20°-30°	5758.5	29.1
30°-40°	1255.2	6.4
40°-50°	371.6	1.9
50°-60°	232.4	1.2
60°-70°	162.6	0.8
70°-80°	69.7	0.4
80°-90°	25.8	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°	19756.9	100.0
0°-180°	19756.9	100.0



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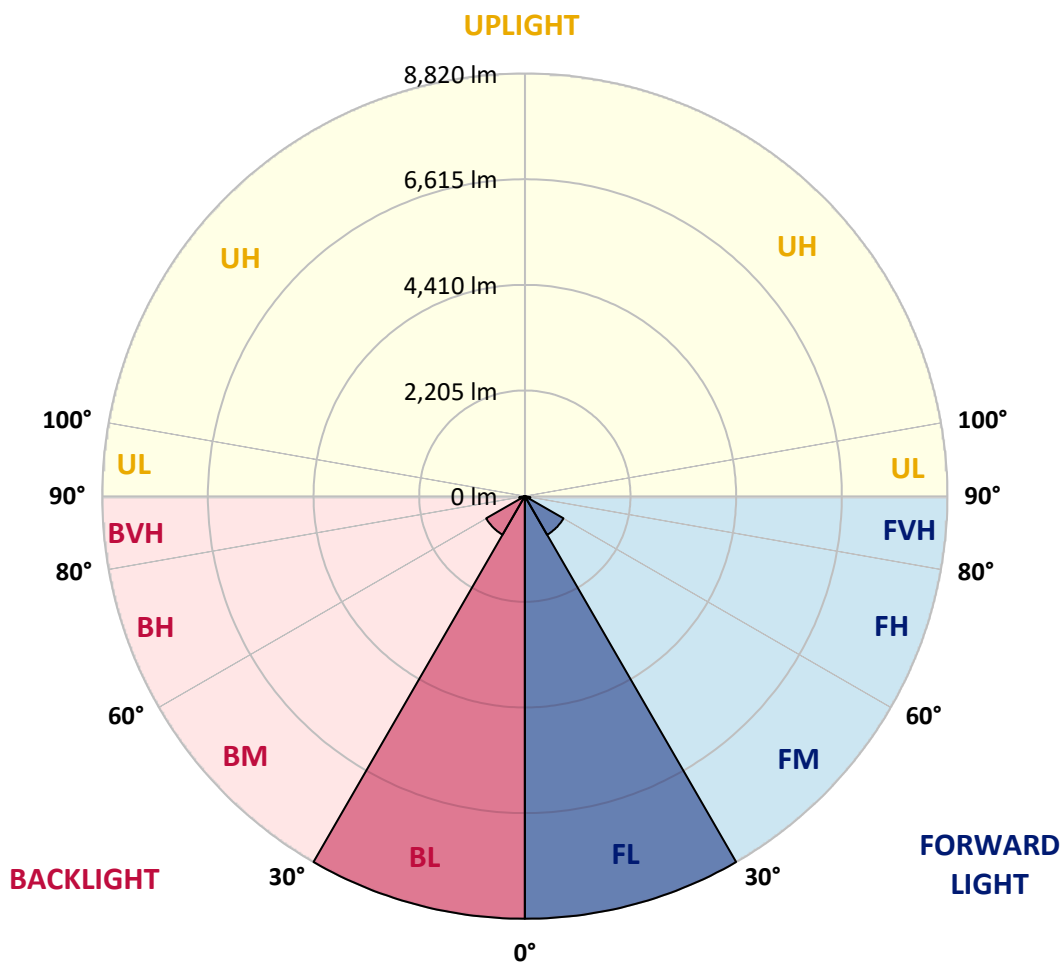
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8819.8	44.6			
FM (30°-60°)	929.6	4.7			
FH (60°-80°)	116.2	0.6			G0/660
FVH (80°-90°)	12.9	0.1			G1/100
BL (0°-30°)	8819.8	44.6	B5		
BM (30°-60°)	929.6	4.7	B1/1000		
BH (60°-80°)	116.2	0.6	B1/500		G0/660
BVH (80°-90°)	12.9	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°	59300.6	59300.6	59300.6	59300.6	59300.6	59300.6	59300.6	59300.6	59300.6	59300.6
1°	58442.2	58449.3	58767.7	58839.2	59057.4	59168.2	59368.5	59347.1	59286.3	59293.4
2°	57365.6	57319.1	57616.0	57945.0	58206.1	58420.7	58660.4	58710.4	58653.2	58706.9
3°	55595.2	55527.2	55942.1	56353.4	56807.7	57176.1	57537.3	57551.6	57483.7	57480.1
4°	53266.8	53141.6	53635.2	54368.4	54940.7	55430.7	55881.3	55874.2	55781.2	55856.3
5°	50452.0	50294.6	50934.8	51900.5	52748.2	53338.3	53835.5	53717.5	53502.9	53513.6
6°	46997.0	47150.8	47934.0	49289.6	50291.0	50781.0	51392.6	51170.9	50798.9	50759.6
7°	43749.4	44096.3	44722.2	46356.7	47547.8	48062.8	48581.4	48134.3	47630.0	47547.8
8°	40330.1	40909.5	41775.1	43280.8	44550.5	45069.2	45265.9	44786.6	44246.5	44225.1
9°	37558.2	37955.2	38699.2	40026.1	41317.3	41664.2	41707.1	41288.7	40748.6	40784.3
10°	35036.7	35111.8	35755.6	36896.5	37930.2	38177.0	38166.3	37862.2	37418.7	37536.8
12.5°	29392.8	29596.6	29782.6	30147.4	30494.4	30655.3	30594.5	30469.3	30226.1	30236.9
15°	25562.2	25558.6	25580.1	25748.2	25851.9	25869.8	25869.8	25712.4	25608.7	25762.5
17.5°	22182.3	22368.3	22700.9	22836.8	22972.7	22922.6	22829.7	22758.1	22690.2	22822.5
20°	19553.5	19635.7	19639.3	19728.7	20415.4	20451.2	20333.2	20129.3	19957.6	19925.4
22.5°	16595.6	16720.8	16774.4	16853.1	16924.6	17446.8	17307.3	16978.3	16774.4	16713.6
25°	12457.4	12414.5	12765.0	13408.8	13512.5	13576.9	13541.1	13369.5	13237.1	13262.2
27.5°	8609.0	8684.1	8669.8	8676.9	9360.0	9356.5	9345.7	9195.5	9156.2	9099.0
30°	4814.1	4778.4	4796.3	4749.8	4653.2	4771.2	4581.7	4742.6	4585.2	4635.3
32.5°	2847.0	2822.0	2796.9	2807.7	2736.1	2560.9	2485.8	2596.6	2560.9	2546.6
35°	1816.9	1827.7	1859.8	1856.3	1791.9	1691.7	1584.4	1684.6	1670.3	1627.4
37.5°	1158.8	1158.8	1169.6	1262.6	1208.9	1123.1	1048.0	1090.9	1087.3	1080.1
40°	822.6	822.6	836.9	862.0	833.4	790.4	747.5	747.5	754.7	733.2
42.5°	611.6	611.6	625.9	640.2	604.5	590.1	568.7	554.4	572.3	554.4
45°	479.3	475.7	479.3	472.1	450.7	450.7	432.8	411.3	432.8	422.0
47.5°	393.4	389.9	386.3	372.0	350.5	354.1	346.9	329.1	339.8	336.2
50°	343.4	336.2	339.8	325.5	307.6	304.0	304.0	286.1	289.7	289.7
52.5°	300.4	300.4	296.9	289.7	282.6	268.2	271.8	253.9	253.9	253.9
55°	282.6	282.6	275.4	261.1	264.7	253.9	243.2	232.5	228.9	228.9
57.5°	279.0	279.0	275.4	261.1	250.4	246.8	232.5	218.2	207.4	211.0
60°	271.8	271.8	264.7	261.1	243.2	236.1	214.6	203.9	189.6	189.6
62.5°	261.1	257.5	243.2	221.8	221.8	203.9	189.6	168.1	157.4	153.8
65°	221.8	218.2	207.4	189.6	178.8	168.1	146.6	125.2	118.0	107.3
67.5°	182.4	182.4	175.3	157.4	150.2	135.9	110.9	96.6	78.7	71.5
70°	150.2	150.2	143.1	132.3	125.2	107.3	85.8	71.5	53.6	46.5
72.5°	121.6	121.6	114.5	107.3	100.1	89.4	71.5	53.6	35.8	28.6
75°	96.6	96.6	93.0	85.8	78.7	71.5	57.2	42.9	25.0	14.3
77.5°	78.7	78.7	75.1	71.5	64.4	57.2	46.5	35.8	17.9	7.2
80°	60.8	60.8	60.8	60.8	53.6	46.5	39.3	28.6	14.3	3.6
82.5°	42.9	42.9	46.5	53.6	42.9	35.8	35.8	28.6	10.7	3.6
85°	28.6	32.2	35.8	32.2	28.6	28.6	50.1	46.5	10.7	3.6
87.5°	14.3	14.3	14.3	14.3	14.3	10.7	14.3	10.7	7.2	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°
59300.6
58853.5
58284.8
57168.9
55502.2
52991.4
50237.4
47157.9
43441.8
40251.4
37121.9
29882.8
25404.8
22518.5
19718.0
16495.4
13176.3
8891.5
4696.1
2510.8
1580.9
1065.8
726.1
550.8
422.0
336.2
293.3
253.9
225.3
211.0
178.8
146.6
103.7
68.0
42.9
25.0
10.7
7.2
3.6
3.6
3.6
0.0
0.0

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