

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: P636293

Luminaire Tested: **IFLD-L-SA7A-927-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636293  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-927-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18526.3 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

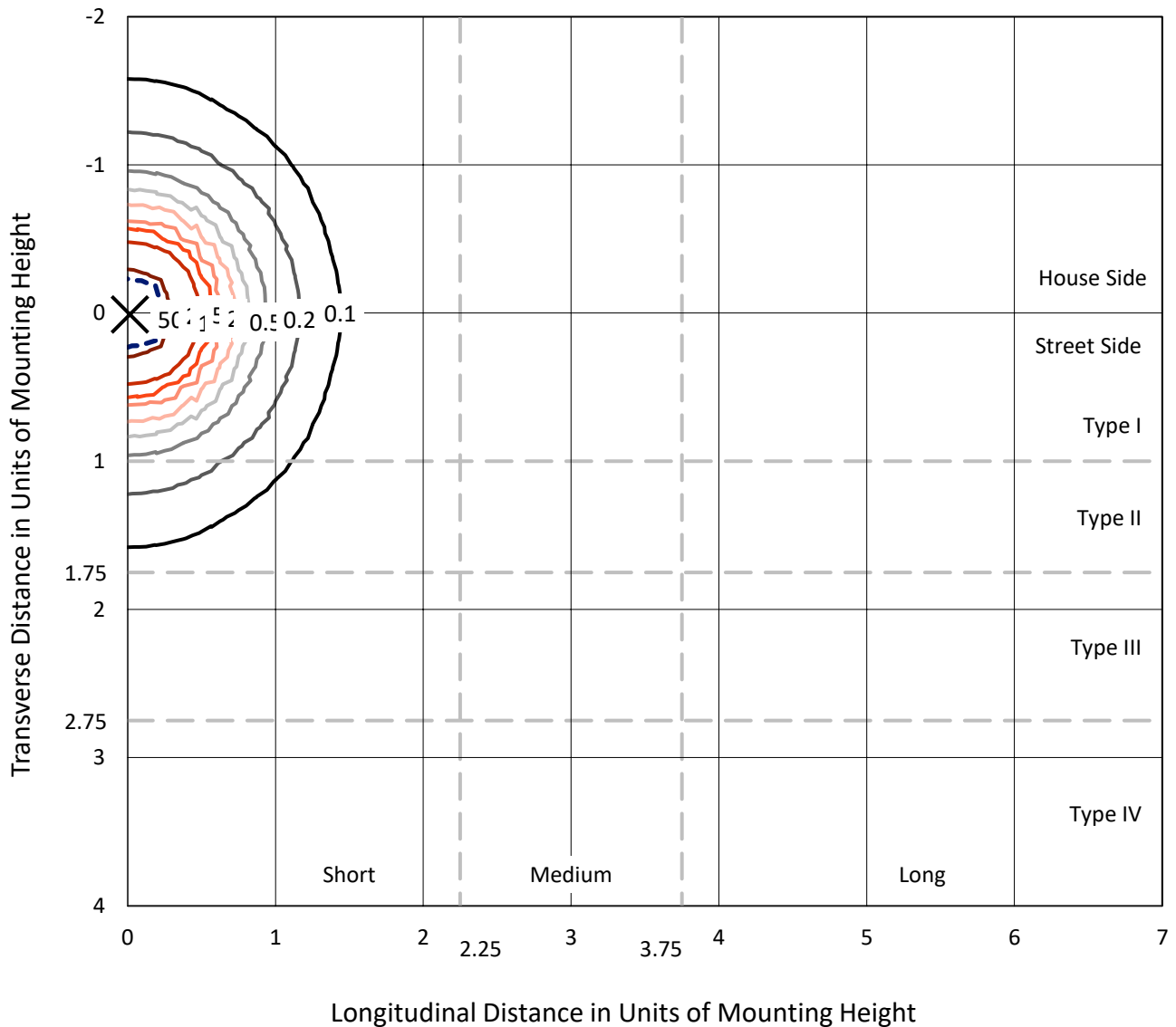
Input Watts (W): 217.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

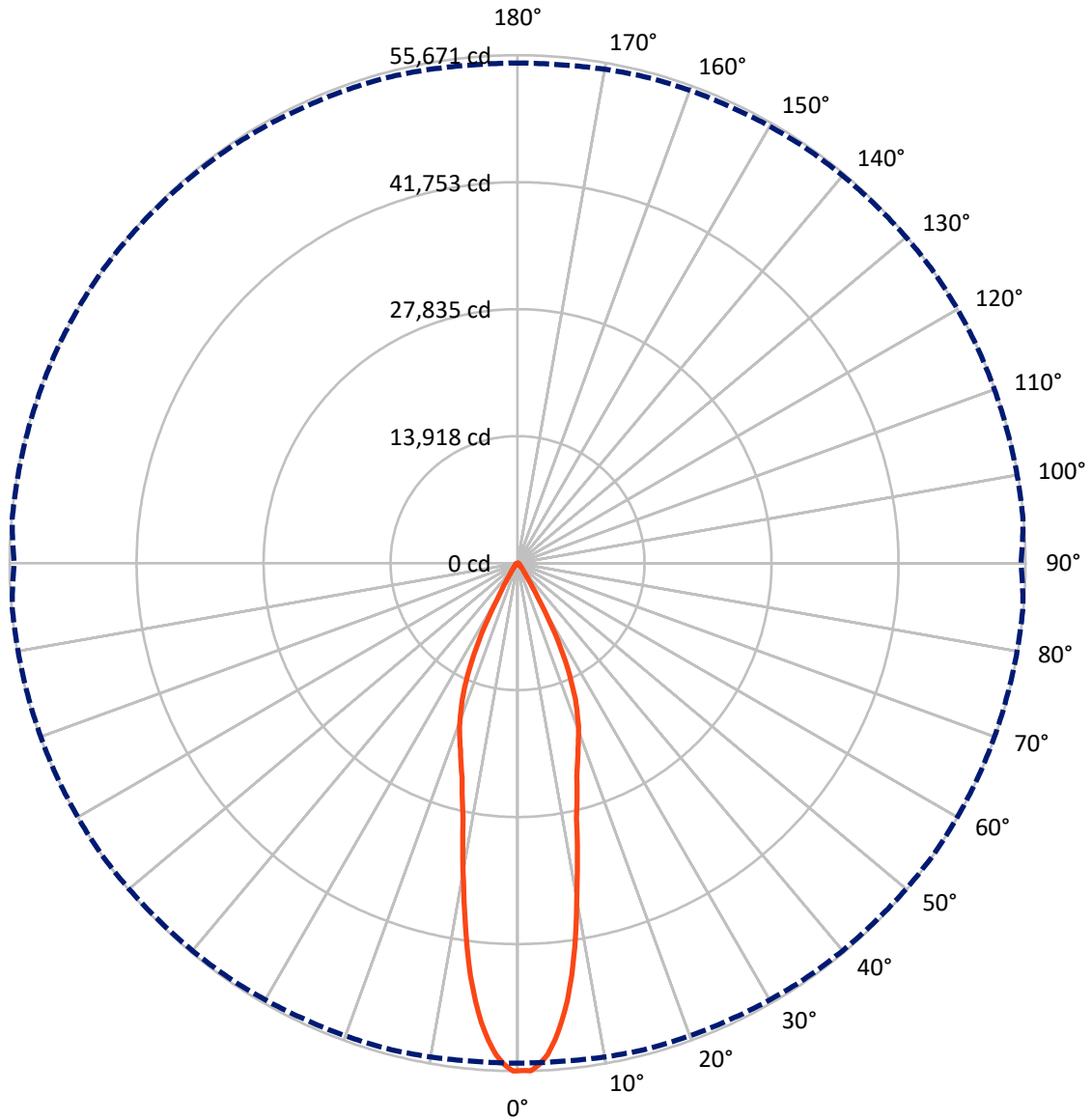
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 139 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
<b>House Side</b>	Lumens	9263.2	0.0	9263.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9263.2	0.0	9263.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18526.3	0.0	18526.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4230.9	22.8
10°-20°	6910.2	37.3
20°-30°	5399.8	29.1
30°-40°	1177.0	6.4
40°-50°	348.5	1.9
50°-60°	218.0	1.2
60°-70°	152.4	0.8
70°-80°	65.4	0.4
80°-90°	24.2	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°	18526.3	100.0
0°-180°	18526.3	100.0



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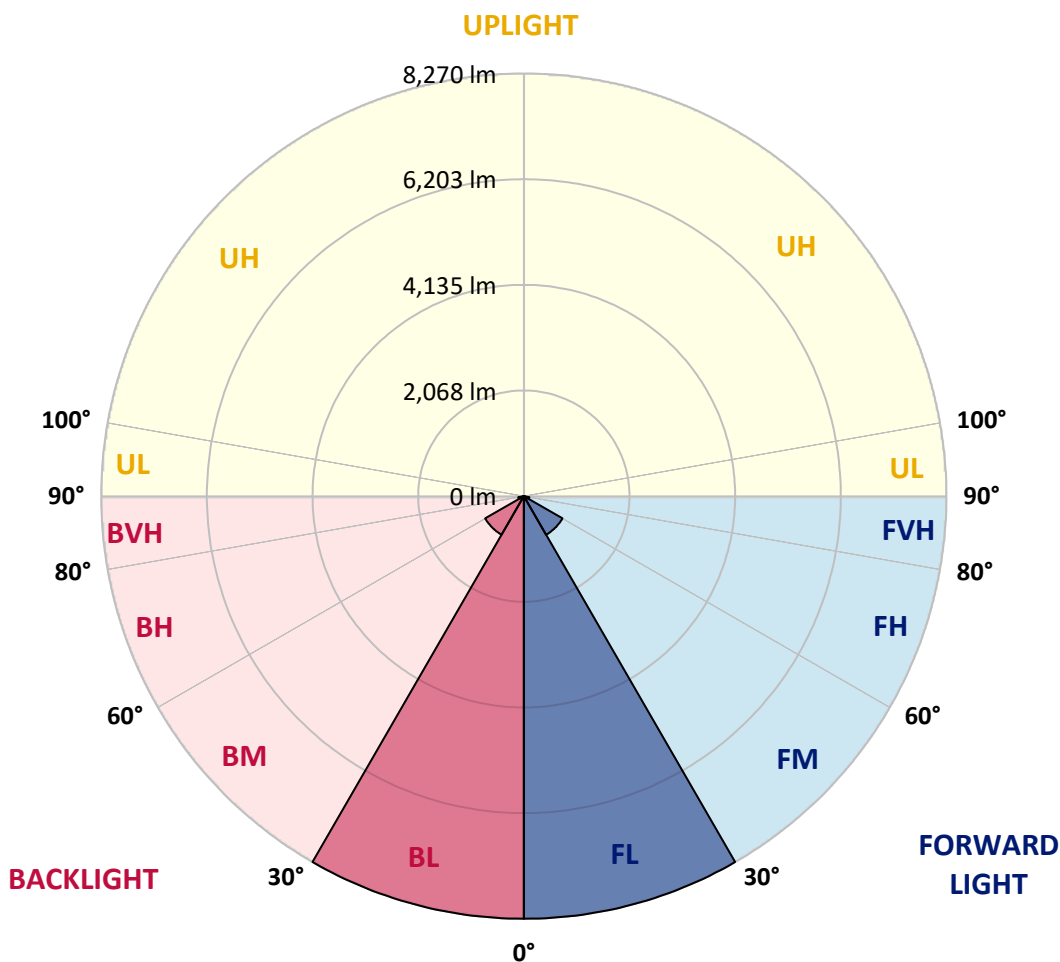
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8270.4	44.6			
FM (30°-60°)	871.7	4.7			
FH (60°-80°)	108.9	0.6			G0/660
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	8270.4	44.6	B5		
BM (30°-60°)	871.7	4.7	B1/1000		
BH (60°-80°)	108.9	0.6	B0/110		G0/660
BVH (80°-90°)	12.1	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°	55606.9	55606.9	55606.9	55606.9	55606.9	55606.9	55606.9	55606.9	55606.9	55606.9
1°	54801.9	54808.6	55107.1	55174.2	55378.8	55482.8	55670.6	55650.5	55593.5	55600.2
2°	53792.4	53748.8	54027.2	54335.8	54580.6	54781.8	55006.5	55053.5	54999.8	55050.1
3°	52132.3	52068.6	52457.6	52843.3	53269.2	53614.7	53953.4	53966.8	53903.1	53899.8
4°	49948.9	49831.5	50294.4	50981.9	51518.5	51978.0	52400.6	52393.9	52306.7	52377.1
5°	47309.4	47161.9	47762.2	48667.7	49462.6	50016.0	50482.2	50371.5	50170.3	50180.3
6°	44069.6	44213.8	44948.3	46219.4	47158.5	47618.0	48191.5	47983.6	47634.8	47597.9
7°	41024.3	41349.6	41936.6	43469.3	44586.1	45069.1	45555.4	45136.1	44663.2	44586.1
8°	37818.0	38361.4	39173.0	40585.0	41775.6	42261.9	42446.4	41996.9	41490.5	41470.4
9°	35218.8	35591.1	36288.7	37533.0	38743.7	39069.0	39109.3	38716.9	38210.4	38244.0
10°	32854.3	32924.8	33528.5	34598.3	35567.6	35799.0	35789.0	35503.9	35088.0	35198.7
12.5°	27562.0	27753.1	27927.5	28269.6	28594.9	28745.9	28688.9	28571.5	28343.4	28353.5
15°	23970.0	23966.6	23986.7	24144.4	24241.6	24258.4	24258.4	24110.8	24013.6	24157.8
17.5°	20800.6	20975.0	21286.9	21414.3	21541.8	21494.8	21407.6	21340.6	21276.8	21400.9
20°	18335.5	18412.6	18416.0	18499.8	19143.8	19177.3	19066.6	18875.5	18714.5	18684.3
22.5°	15561.9	15679.3	15729.6	15803.4	15870.4	16360.1	16229.3	15920.7	15729.6	15672.6
25°	11681.5	11641.2	11969.9	12573.6	12670.9	12731.2	12697.7	12536.7	12412.6	12436.1
27.5°	8072.7	8143.2	8129.7	8136.4	8777.0	8773.7	8763.6	8622.8	8585.9	8532.2
30°	4514.3	4480.7	4497.5	4453.9	4363.4	4474.0	4296.3	4447.2	4299.6	4346.6
32.5°	2669.7	2646.2	2622.7	2632.8	2565.7	2401.4	2330.9	2434.9	2401.4	2387.9
35°	1703.8	1713.8	1744.0	1740.6	1680.3	1586.4	1485.8	1579.7	1566.2	1526.0
37.5°	1086.6	1086.6	1096.7	1183.9	1133.6	1053.1	982.7	1022.9	1019.6	1012.9
40°	771.4	771.4	784.8	808.3	781.4	741.2	701.0	701.0	707.7	687.5
42.5°	573.5	573.5	586.9	600.3	566.8	553.4	533.3	519.8	536.6	519.8
45°	449.4	446.1	449.4	442.7	422.6	422.6	405.8	385.7	405.8	395.8
47.5°	368.9	365.6	362.2	348.8	328.7	332.0	325.3	308.6	318.6	315.3
50°	322.0	315.3	318.6	305.2	288.4	285.1	285.1	268.3	271.7	271.7
52.5°	281.7	281.7	278.4	271.7	265.0	251.5	254.9	238.1	238.1	238.1
55°	265.0	265.0	258.2	244.8	248.2	238.1	228.1	218.0	214.6	214.6
57.5°	261.6	261.6	258.2	244.8	234.8	231.4	218.0	204.6	194.5	197.9
60°	254.9	254.9	248.2	244.8	228.1	221.4	201.2	191.2	177.8	177.8
62.5°	244.8	241.5	228.1	207.9	207.9	191.2	177.8	157.6	147.6	144.2
65°	207.9	204.6	194.5	177.8	167.7	157.6	137.5	117.4	110.7	100.6
67.5°	171.0	171.0	164.3	147.6	140.9	127.4	104.0	90.6	73.8	67.1
70°	140.9	140.9	134.2	124.1	117.4	100.6	80.5	67.1	50.3	43.6
72.5°	114.0	114.0	107.3	100.6	93.9	83.8	67.1	50.3	33.5	26.8
75°	90.6	90.6	87.2	80.5	73.8	67.1	53.7	40.2	23.5	13.4
77.5°	73.8	73.8	70.4	67.1	60.4	53.7	43.6	33.5	16.8	6.7
80°	57.0	57.0	57.0	57.0	50.3	43.6	36.9	26.8	13.4	3.4
82.5°	40.2	40.2	43.6	50.3	40.2	33.5	33.5	26.8	10.1	3.4
85°	26.8	30.2	33.5	30.2	26.8	26.8	47.0	43.6	10.1	3.4
87.5°	13.4	13.4	13.4	13.4	13.4	10.1	13.4	10.1	6.7	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°  
55606.9  
55187.6  
54654.4  
53608.0  
52045.1  
49690.7  
47108.2  
44220.5  
40735.9  
37744.3  
34809.6  
28021.4  
23822.4  
21115.9  
18489.8  
15468.0  
12355.6  
8337.7  
4403.6  
2354.4  
1482.4  
999.4  
680.8  
516.5  
395.8  
315.3  
275.0  
238.1  
211.3  
197.9  
167.7  
137.5  
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