

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: P636254

Luminaire Tested: **IFLD-S-SA6A-950-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636254  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-950-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 5000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18663.7 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

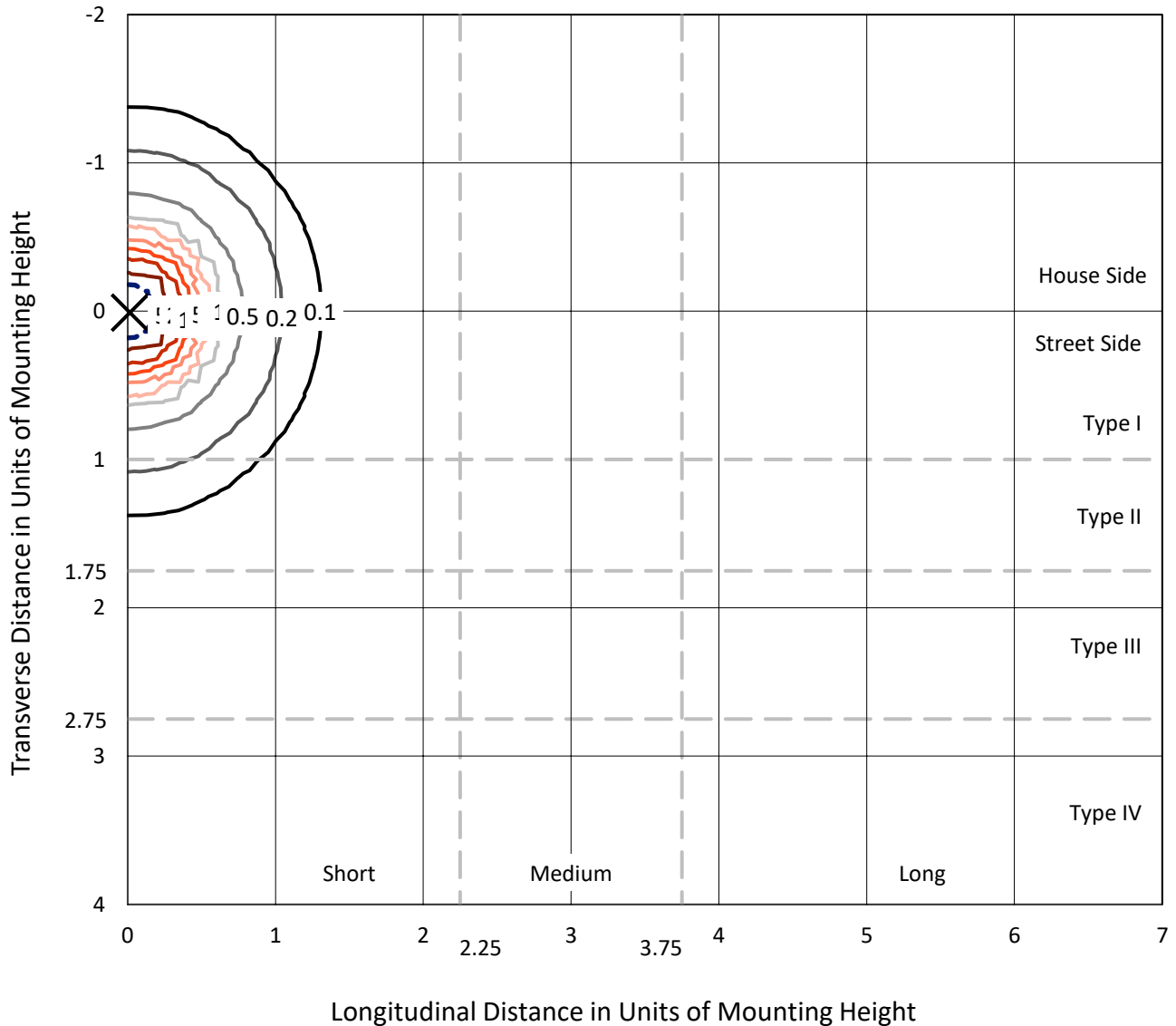
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

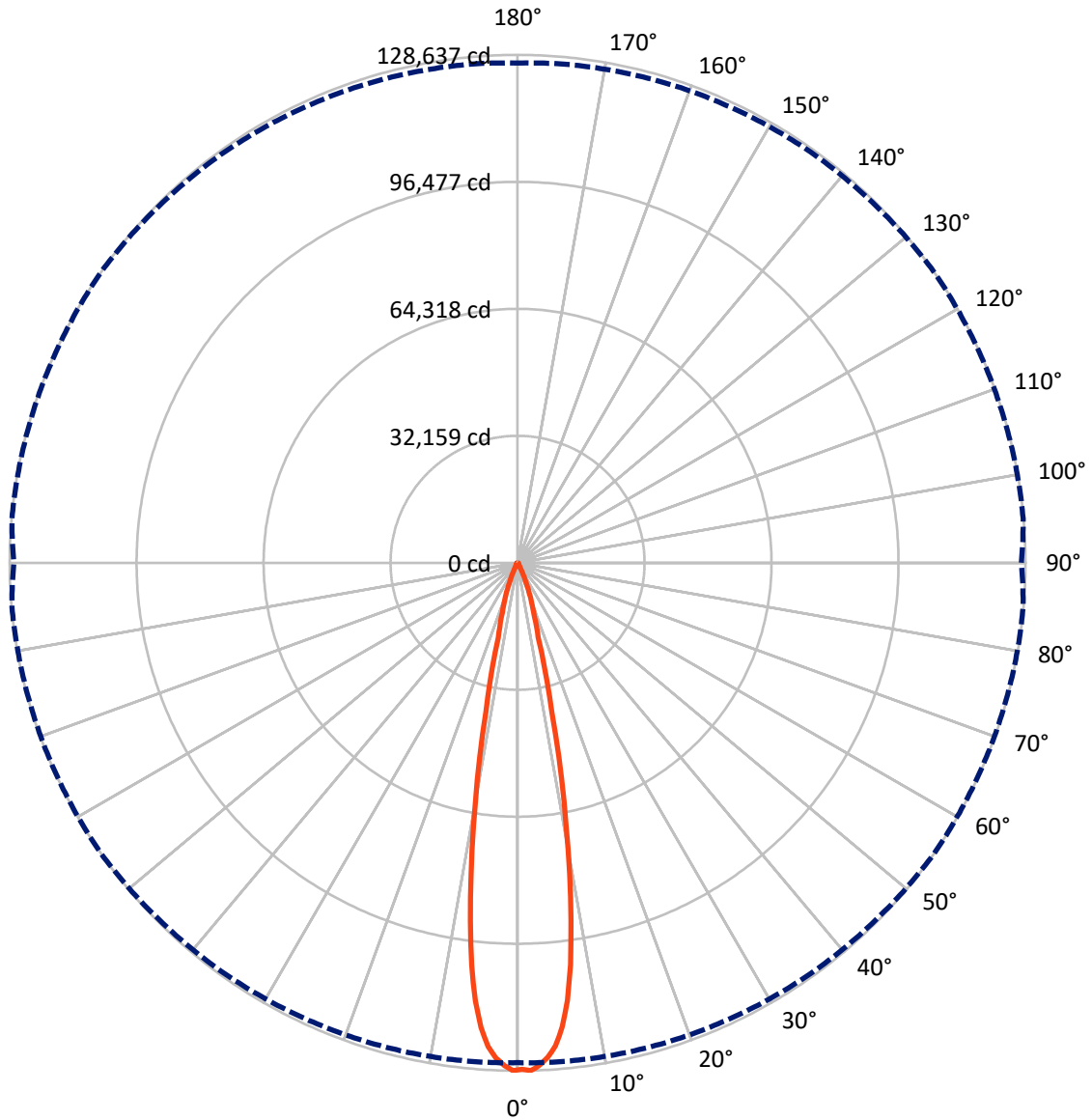
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 320.8 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	9331.8	0.0	9331.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9331.8	0.0	9331.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18663.7	0.0	18663.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9482.6	50.8
10°-20°	6720.4	36.0
20°-30°	1574.7	8.4
30°-40°	329.1	1.8
40°-50°	212.3	1.1
50°-60°	157.2	0.8
60°-70°	106.9	0.6
70°-80°	57.0	0.3
80°-90°	23.4	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°	18663.7	100.0
0°-180°	18663.7	100.0

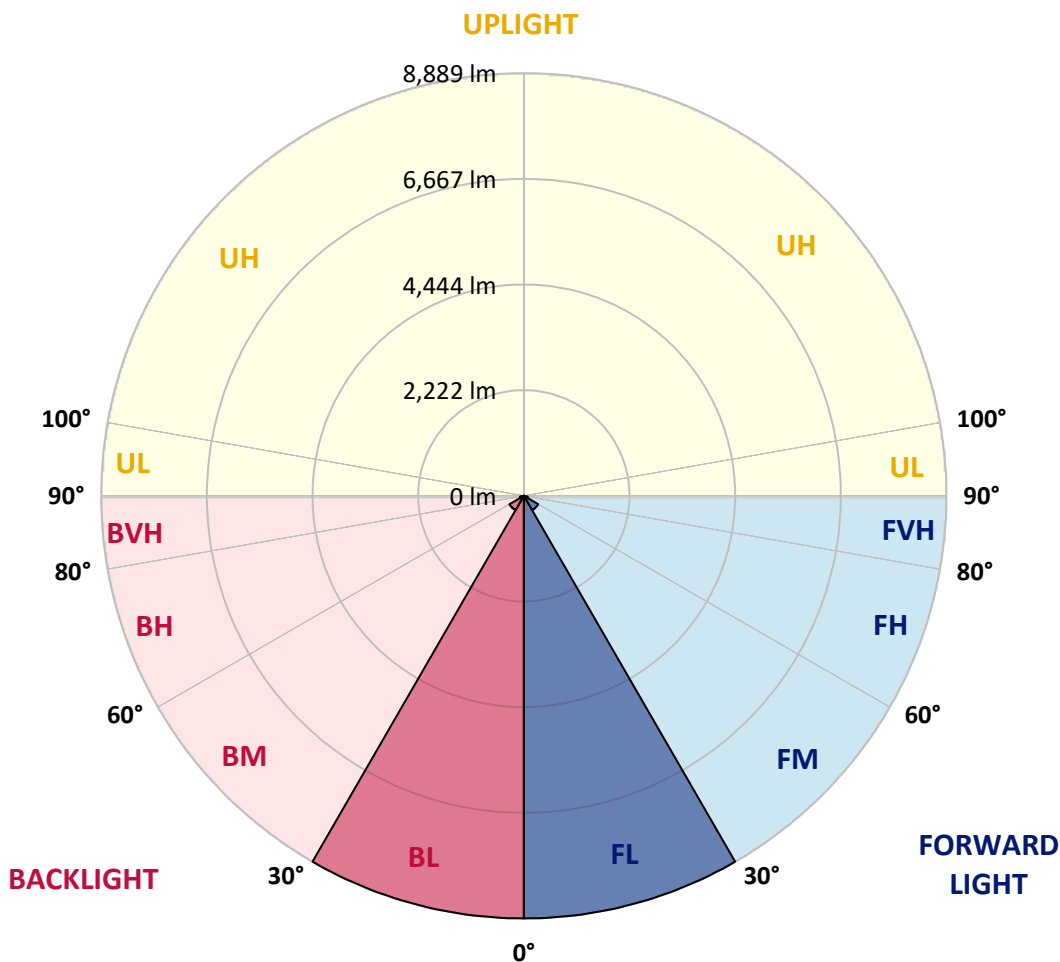


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8888.9	47.6			
FM (30°-60°)	349.3	1.9			
FH (60°-80°)	82.0	0.4			G0/660
FVH (80°-90°)	11.7	0.1			G1/100
BL (0°-30°)	8888.9	47.6	B5		
BM (30°-60°)	349.3	1.9	B1/1000		
BH (60°-80°)	82.0	0.4	B0/110		G0/660
BVH (80°-90°)	11.7	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°	128306.4	128306.4	128306.4	128306.4	128306.4	128306.4	128306.4	128306.4	128306.4	128306.4
1°	126580.2	126814.5	127101.7	127362.4	127755.2	128075.4	128636.5	128517.7	128501.2	128524.3
2°	124127.8	124421.6	124863.8	125124.6	126137.9	126553.8	127402.0	127652.9	127451.6	127679.3
3°	120454.2	120695.1	121388.2	121899.9	123213.5	124335.7	125471.2	125847.4	125613.1	125718.7
4°	116080.8	116328.3	117166.7	118209.7	120107.6	121351.9	122711.8	123048.5	122282.7	122335.5
5°	110875.7	110991.2	112017.7	112968.3	115239.1	116747.5	118038.1	118143.7	117444.0	117176.6
6°	105020.3	104812.4	105756.3	106159.0	108981.1	110519.2	111463.2	111341.1	110809.6	110581.9
7°	98062.5	97778.7	98541.1	98323.3	100821.9	101699.8	102607.5	102191.6	101769.1	102294.0
8°	90012.2	89853.8	89362.0	90253.2	90748.3	91533.8	91530.5	91289.6	91276.4	92151.0
9°	78308.1	79770.3	79337.9	80272.0	80146.5	80110.2	79869.3	79714.2	79054.0	80060.7
10°	65455.3	66412.5	67142.0	68534.8	68264.2	68647.1	67307.0	67534.7	67095.7	67927.5
12.5°	33881.2	34957.3	35587.7	36650.5	37818.9	39013.8	38627.6	38228.2	37630.8	38363.5
15°	16678.2	17104.0	17305.3	18384.7	19216.4	19516.8	19563.0	19209.8	19058.0	19216.4
17.5°	10235.3	10383.9	10968.1	12209.1	12928.7	13106.9	12991.4	12605.2	12172.8	11991.3
20°	7410.0	7452.9	7674.0	7915.0	8875.5	9377.2	9192.3	8812.8	8413.4	8225.2
22.5°	4838.8	4881.7	4954.3	5086.3	5343.8	5964.3	5762.9	5505.5	5234.8	5178.7
25°	2739.5	2739.5	2815.5	2950.8	3142.2	3188.4	3228.0	2954.1	2828.7	2772.6
27.5°	1528.2	1538.1	1554.6	1607.4	1703.1	1693.2	1650.3	1577.7	1491.9	1402.8
30°	845.0	854.9	864.8	878.0	894.5	864.8	838.4	825.2	788.9	779.0
32.5°	633.7	633.7	640.3	637.0	620.5	584.2	567.7	587.5	584.2	567.7
35°	521.5	521.5	528.1	541.3	508.3	481.9	468.7	495.1	495.1	485.2
37.5°	425.8	429.1	432.4	448.9	439.0	409.3	406.0	412.6	415.9	412.6
40°	373.0	369.7	369.7	373.0	366.4	359.8	353.2	349.9	353.2	349.9
42.5°	323.5	320.2	326.8	320.2	307.0	310.3	310.3	300.4	303.7	297.1
45°	283.9	280.6	283.9	277.3	267.4	270.7	270.7	257.5	257.5	254.2
47.5°	250.8	250.8	250.8	254.2	237.6	234.3	237.6	234.3	224.4	221.1
50°	217.8	221.1	224.4	231.0	214.5	207.9	207.9	207.9	201.3	198.0
52.5°	201.3	204.6	204.6	204.6	194.7	188.1	188.1	184.8	181.5	178.2
55°	194.7	194.7	194.7	181.5	178.2	174.9	165.0	161.7	158.4	158.4
57.5°	184.8	184.8	181.5	171.6	161.7	161.7	148.5	145.2	141.9	141.9
60°	165.0	165.0	165.0	161.7	148.5	145.2	132.0	125.4	122.1	122.1
62.5°	151.8	151.8	151.8	138.6	135.3	125.4	115.5	105.6	102.3	95.7
65°	138.6	138.6	138.6	125.4	118.8	108.9	95.7	85.8	79.2	69.3
67.5°	128.7	128.7	125.4	115.5	105.6	92.4	79.2	69.3	56.1	49.5
70°	112.2	112.2	108.9	102.3	92.4	82.5	66.0	52.8	42.9	33.0
72.5°	95.7	95.7	92.4	85.8	79.2	69.3	56.1	46.2	29.7	23.1
75°	79.2	79.2	75.9	69.3	66.0	59.4	49.5	36.3	23.1	9.9
77.5°	66.0	66.0	62.7	59.4	56.1	49.5	42.9	29.7	16.5	6.6
80°	49.5	52.8	52.8	52.8	46.2	42.9	39.6	29.7	13.2	3.3
82.5°	36.3	39.6	39.6	39.6	36.3	33.0	36.3	26.4	13.2	3.3
85°	26.4	26.4	29.7	29.7	29.7	29.7	39.6	29.7	9.9	3.3
87.5°	13.2	13.2	13.2	13.2	13.2	16.5	19.8	16.5	6.6	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°  
128306.4  
*127603.4*  
126814.5  
124926.6  
121550.0  
116618.8  
110070.3  
102132.2  
89725.0  
78182.7  
65795.3  
36379.8  
18477.1  
11737.1  
8080.0  
5063.2  
2726.3  
1406.1  
779.0  
557.8  
481.9  
412.6  
353.2  
300.4  
254.2  
221.1  
194.7  
174.9  
155.1  
141.9  
118.8  
89.1  
69.3  
46.2  
33.0  
19.8  
9.9  
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