

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: P636154

Luminaire Tested: **IFLD-L-SA8B-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636154  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (128) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24657.6 lumens  
Efficiency: N/A  
Efficacy: 77.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

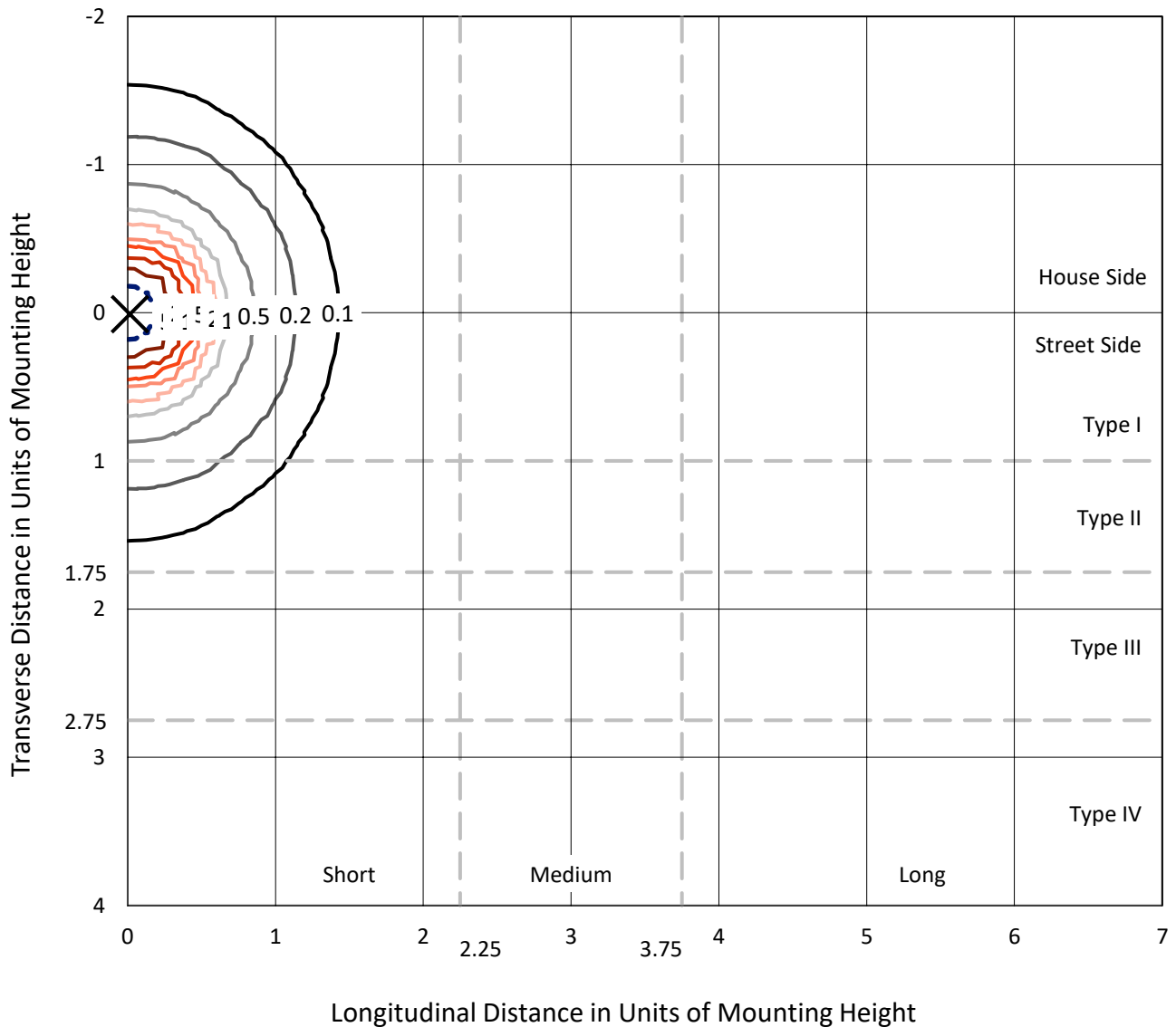
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

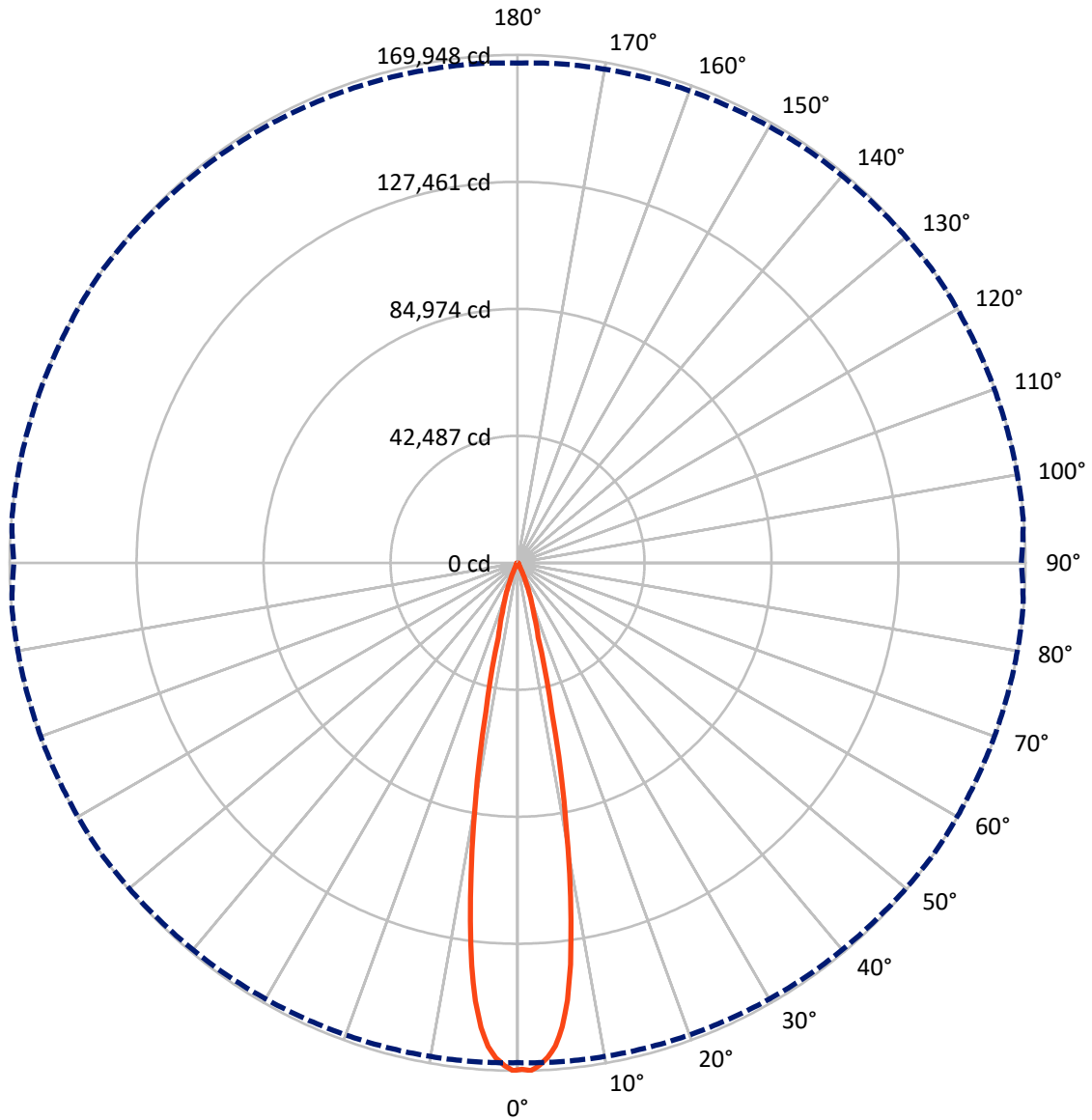
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 423.8 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	12328.8	0.0	12328.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12328.8	0.0	12328.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24657.6	0.0	24657.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12527.9	50.8
10°-20°	8878.7	36.0
20°-30°	2080.4	8.4
30°-40°	434.8	1.8
40°-50°	280.5	1.1
50°-60°	207.8	0.8
60°-70°	141.2	0.6
70°-80°	75.4	0.3
80°-90°	30.9	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°	24657.6	100.0
0°-180°	24657.6	100.0

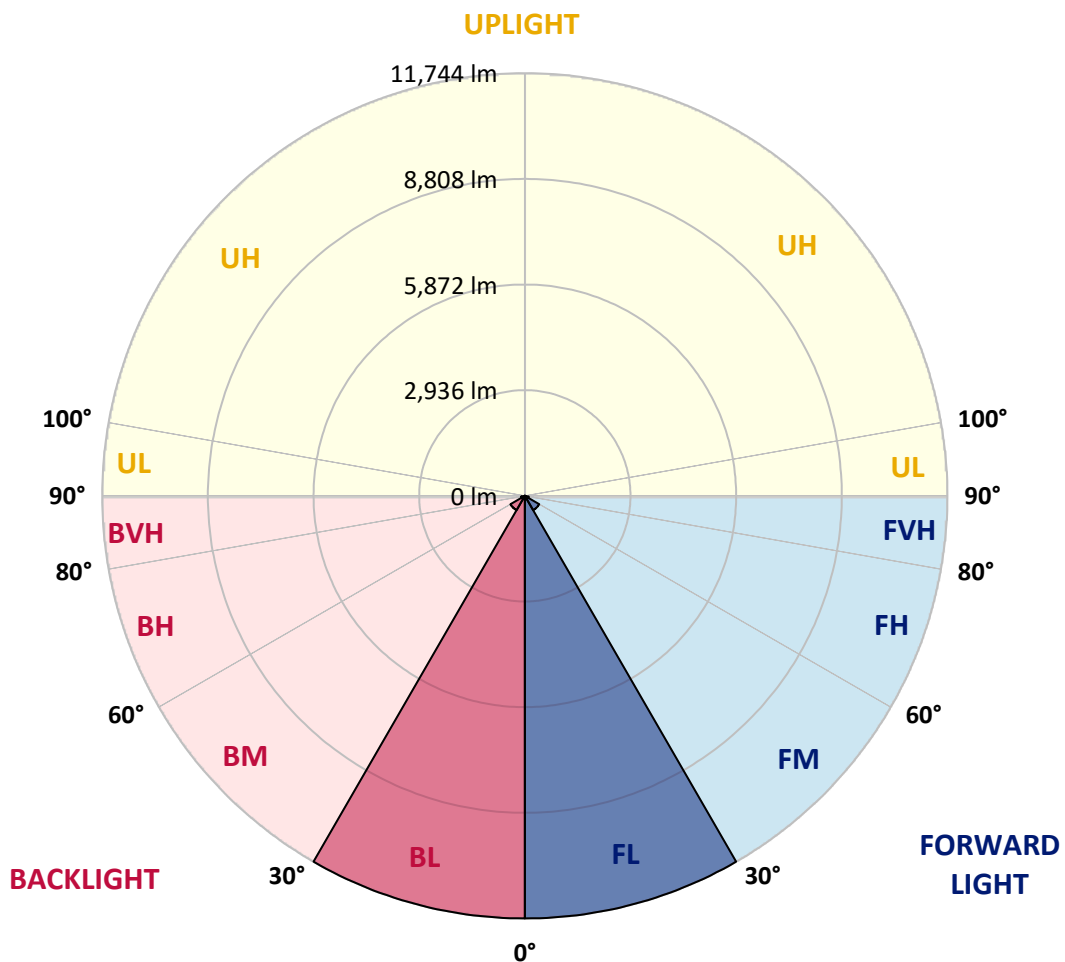


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11743.5	47.6			
FM (30°-60°)	461.6	1.9			
FH (60°-80°)	108.3	0.4			G0/660
FVH (80°-90°)	15.4	0.1			G1/100
BL (0°-30°)	11743.5	47.6	B5		
BM (30°-60°)	461.6	1.9	B1/1000		
BH (60°-80°)	108.3	0.4	B0/110		G0/660
BVH (80°-90°)	15.4	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°	169512.3	169512.3	169512.3	169512.3	169512.3	169512.3	169512.3	169512.3	169512.3	169512.3
1°	167231.7	167541.3	167920.6	168265.1	168784.1	169207.0	169948.4	169791.4	169769.6	169800.1
2°	163991.7	164379.8	164964.1	165308.6	166647.3	167196.8	168317.5	168648.9	168382.9	168683.8
3°	159138.3	159456.6	160372.3	161048.2	162783.8	164266.4	165766.5	166263.6	165954.0	166093.5
4°	153360.4	153687.4	154795.0	156173.0	158680.4	160324.4	162121.0	162565.7	161554.1	161623.8
5°	146483.6	146636.2	147992.4	149248.3	152248.4	154241.2	155946.2	156085.8	155161.3	154808.1
6°	138747.8	138473.0	139720.2	140252.2	143980.6	146012.6	147259.8	147098.4	146396.4	146095.5
7°	129555.5	129180.5	130187.8	129900.0	133201.0	134360.9	135560.1	135010.7	134452.5	135145.9
8°	118919.8	118710.5	118060.8	119238.1	119892.2	120930.1	120925.7	120607.4	120589.9	121745.5
9°	103456.9	105388.7	104817.4	106051.5	105885.8	105837.8	105519.5	105314.5	104442.4	105772.4
10°	86476.4	87741.0	88704.7	90544.9	90187.4	90693.2	88922.8	89223.6	88643.7	89742.6
12.5°	44762.3	46183.8	47016.7	48420.9	49964.5	51543.1	51032.9	50505.3	49716.0	50684.1
15°	22034.5	22597.0	22863.0	24288.9	25387.8	25784.6	25845.7	25379.1	25178.5	25387.8
17.5°	13522.4	13718.7	14490.5	16130.1	17080.7	17316.2	17163.6	16653.4	16082.1	15842.3
20°	9789.7	9846.4	10138.6	10456.9	11725.8	12388.7	12144.5	11643.0	11115.3	10866.8
22.5°	6392.7	6449.4	6545.4	6719.8	7059.9	7879.7	7613.7	7273.6	6916.0	6841.9
25°	3619.4	3619.4	3719.7	3898.4	4151.4	4212.4	4264.7	3902.8	3737.1	3663.0
27.5°	2019.0	2032.1	2053.9	2123.6	2250.1	2237.0	2180.3	2084.4	1971.0	1853.3
30°	1116.3	1129.4	1142.5	1159.9	1181.7	1142.5	1107.6	1090.2	1042.2	1029.1
32.5°	837.2	837.2	846.0	841.6	819.8	771.8	750.0	776.2	771.8	750.0
35°	689.0	689.0	697.7	715.1	671.5	636.7	619.2	654.1	654.1	641.0
37.5°	562.5	566.9	571.2	593.1	580.0	540.7	536.4	545.1	549.4	545.1
40°	492.8	488.4	488.4	492.8	484.0	475.3	466.6	462.2	466.6	462.2
42.5°	427.3	423.0	431.7	423.0	405.5	409.9	409.9	396.8	401.2	392.5
45°	375.0	370.7	375.0	366.3	353.2	357.6	357.6	340.1	340.1	335.8
47.5°	331.4	331.4	331.4	335.8	314.0	309.6	314.0	309.6	296.5	292.2
50°	287.8	292.2	296.5	305.2	283.4	274.7	274.7	274.7	266.0	261.6
52.5°	266.0	270.4	270.4	270.4	257.3	248.6	248.6	244.2	239.8	235.5
55°	257.3	257.3	257.3	239.8	235.5	231.1	218.0	213.7	209.3	209.3
57.5°	244.2	244.2	239.8	226.8	213.7	213.7	196.2	191.9	187.5	187.5
60°	218.0	218.0	218.0	213.7	196.2	191.9	174.4	165.7	161.3	161.3
62.5°	200.6	200.6	200.6	183.1	178.8	165.7	152.6	139.5	135.2	126.5
65°	183.1	183.1	183.1	165.7	157.0	143.9	126.5	113.4	104.7	91.6
67.5°	170.1	170.1	165.7	152.6	139.5	122.1	104.7	91.6	74.1	65.4
70°	148.3	148.3	143.9	135.2	122.1	109.0	87.2	69.8	56.7	43.6
72.5°	126.5	126.5	122.1	113.4	104.7	91.6	74.1	61.0	39.2	30.5
75°	104.7	104.7	100.3	91.6	87.2	78.5	65.4	48.0	30.5	13.1
77.5°	87.2	87.2	82.9	78.5	74.1	65.4	56.7	39.2	21.8	8.7
80°	65.4	69.8	69.8	69.8	61.0	56.7	52.3	39.2	17.4	4.4
82.5°	48.0	52.3	52.3	52.3	48.0	43.6	48.0	34.9	17.4	4.4
85°	34.9	34.9	39.2	39.2	39.2	39.2	52.3	39.2	13.1	4.4
87.5°	17.4	17.4	17.4	17.4	17.4	21.8	26.2	21.8	8.7	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°  
169512.3  
*168583.5*  
167541.3  
165047.0  
160586.0  
154071.2  
145419.6  
134932.2  
118540.4  
103291.2  
86925.6  
48063.3  
24411.0  
15506.5  
10674.9  
6689.3  
3601.9  
1857.6  
1029.1  
737.0  
636.7  
545.1  
466.6  
396.8  
335.8  
292.2  
257.3  
231.1  
205.0  
187.5  
157.0  
117.7  
91.6  
61.0  
43.6  
26.2  
13.1  
4.4  
4.4  
4.4  
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