

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: P636067

Luminaire Tested: **IFLD-L-SA8B-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636067  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (128) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25678.6 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

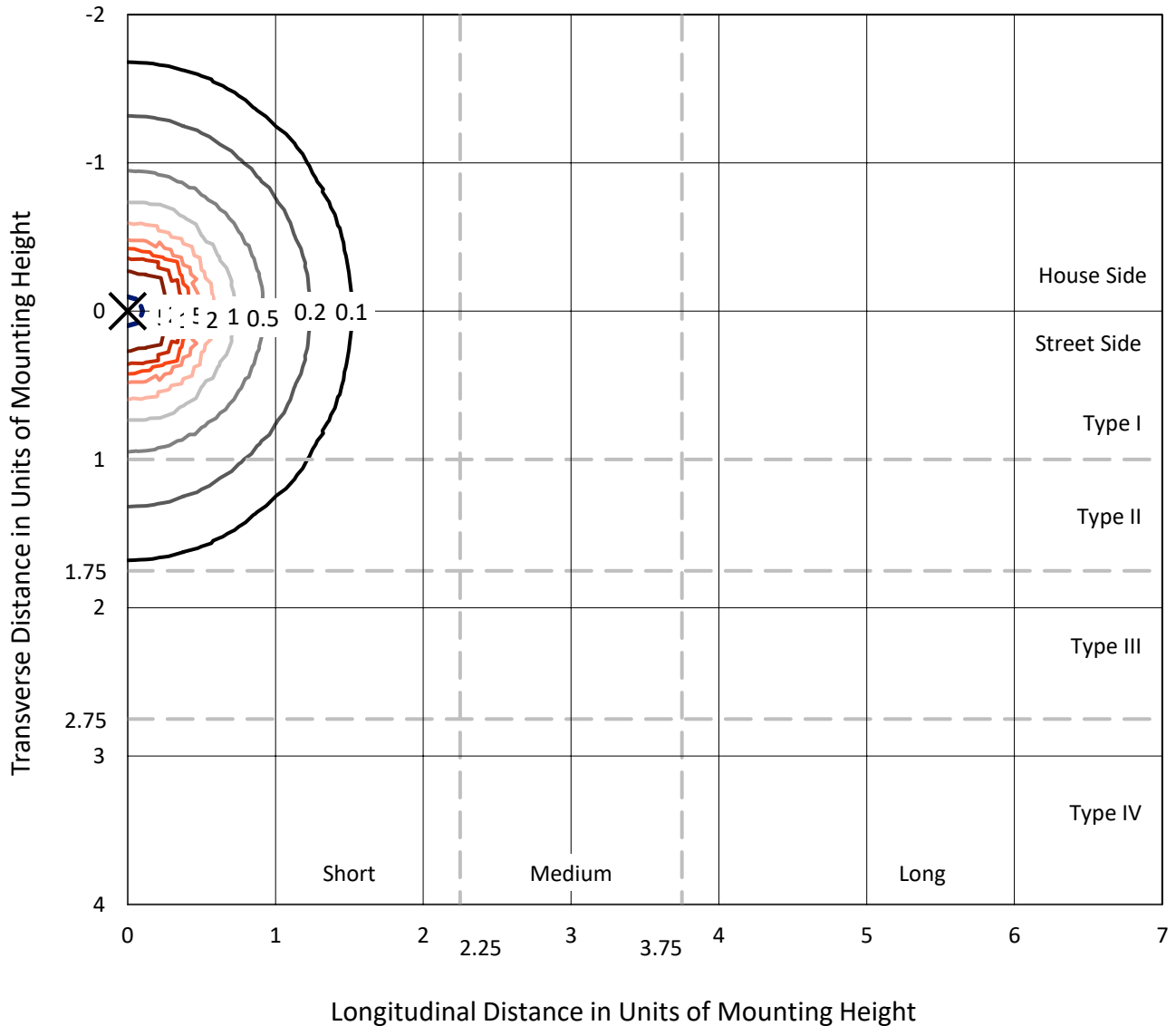
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

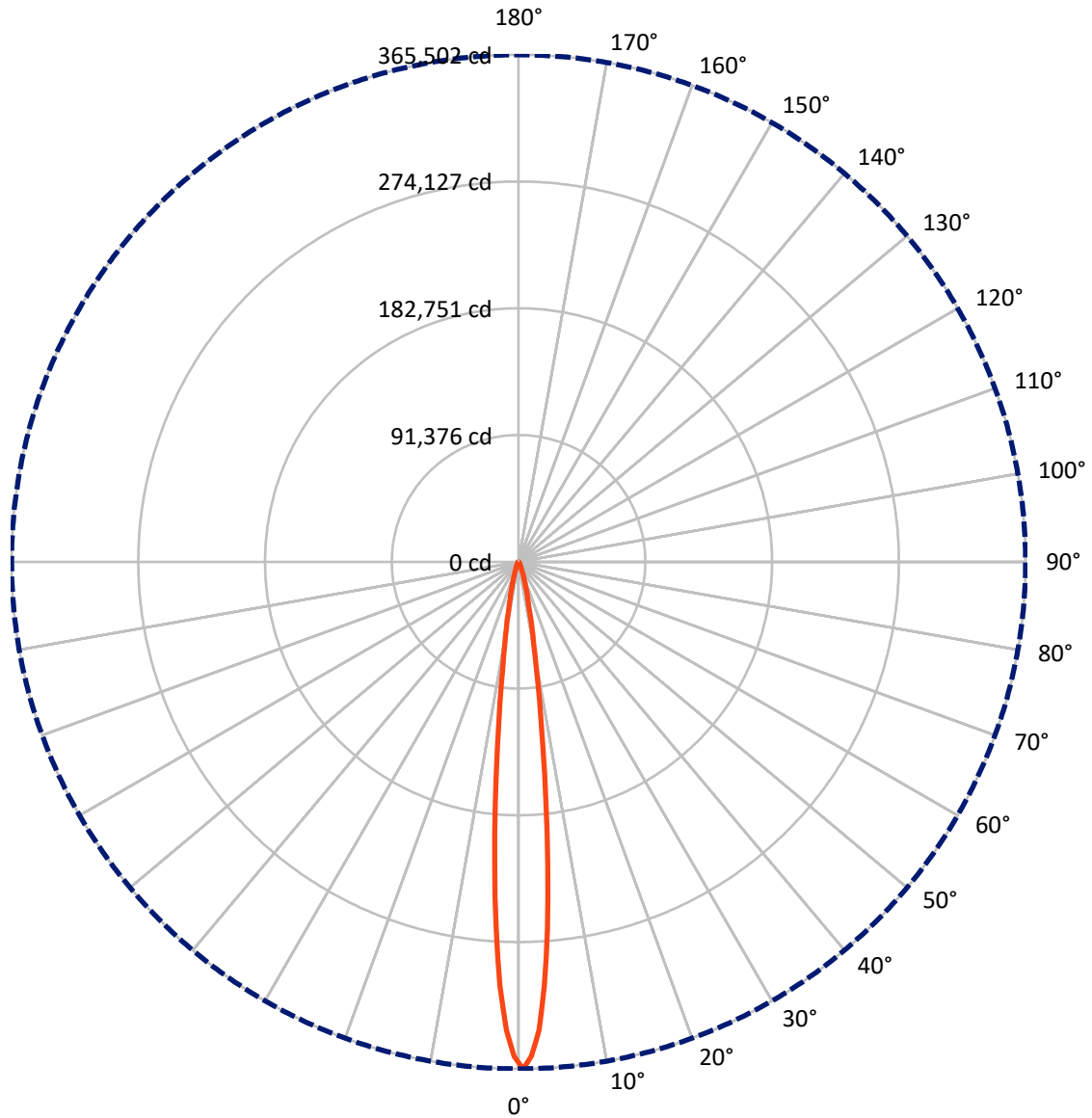
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 913.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12839.3	0.0	12839.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12839.3	0.0	12839.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25678.6	0.0	25678.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15653.2	61.0
10°-20°	7012.7	27.3
20°-30°	1566.1	6.1
30°-40°	511.2	2.0
40°-50°	352.5	1.4
50°-60°	266.3	1.0
60°-70°	182.3	0.7
70°-80°	96.0	0.4
80°-90°	38.3	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°	25678.6	100.0
0°-180°	25678.6	100.0

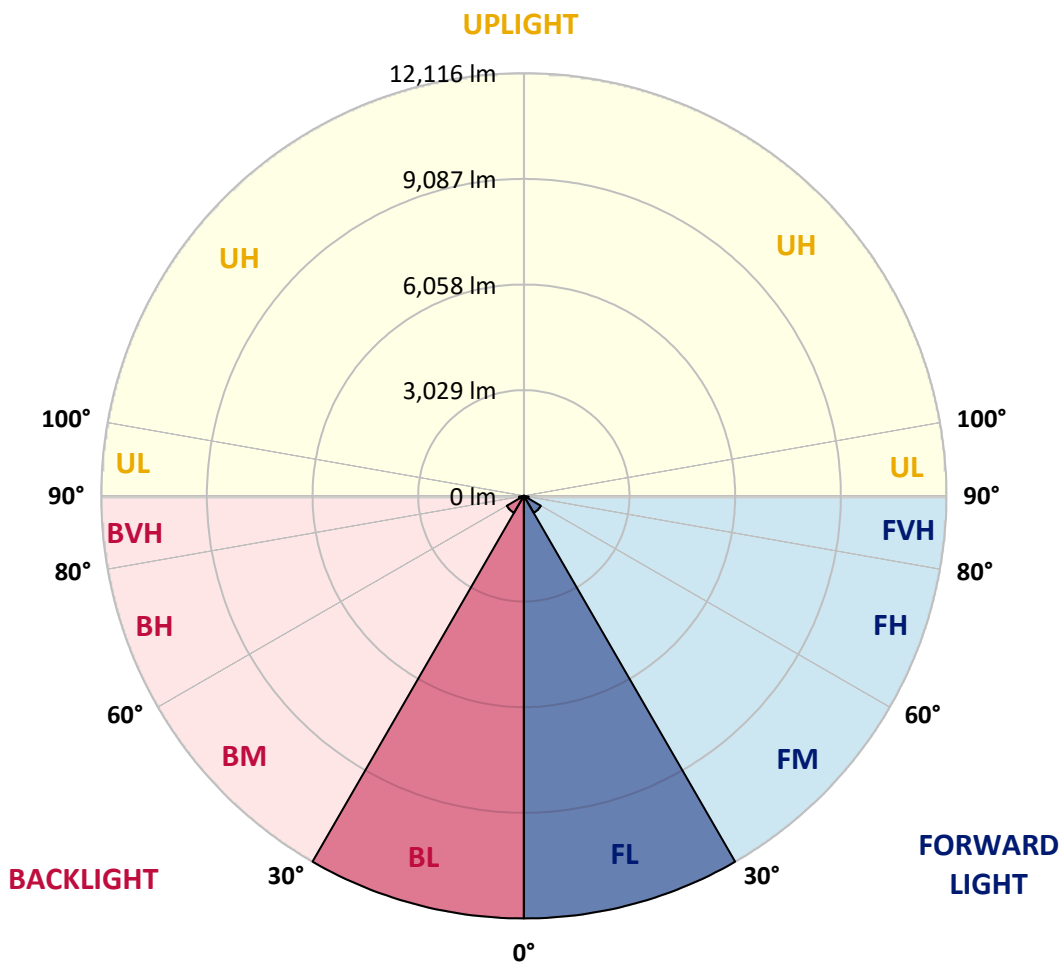


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12116.0	47.2			
FM (30°-60°)	565.0	2.2			
FH (60°-80°)	139.1	0.5			G0/660
FVH (80°-90°)	19.2	0.1			G1/100
BL (0°-30°)	12116.0	47.2	B5		
BM (30°-60°)	565.0	2.2	B1/1000		
BH (60°-80°)	139.1	0.5	B1/500		G0/660
BVH (80°-90°)	19.2	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°	365502.0	365502.0	365502.0	365502.0	365502.0	365502.0	365502.0	365502.0	365502.0	365502.0
1°	356427.4	356912.3	356372.5	359098.6	360223.7	360809.2	360877.8	362414.6	361230.0	361559.3
2°	337642.6	338722.0	336915.3	338662.5	342157.0	343478.8	341324.5	343986.5	343035.2	343588.6
3°	306078.3	307400.2	304902.9	307038.8	311535.0	312541.2	309010.2	312792.8	312696.7	313492.6
4°	265393.8	267539.0	263971.4	266500.7	268490.3	271993.9	268572.7	272876.7	272794.3	274175.6
5°	219211.5	221530.5	218429.4	221054.8	222939.2	224242.8	222989.5	227750.9	228052.8	229479.9
6°	174021.8	176185.2	172722.8	175229.3	178216.0	178751.1	178426.4	182524.6	183434.8	182323.3
7°	133927.3	134467.0	133922.7	136200.5	138597.2	138684.1	139104.9	142709.1	143509.5	143125.3
8°	102568.9	100099.0	102221.3	103428.8	104169.7	107572.7	107824.2	109640.1	111112.9	111218.1
9°	78075.8	75788.9	78245.1	78725.3	80426.8	83450.1	83070.5	85055.6	85979.5	85920.0
10°	59524.3	58362.5	59592.9	60123.4	61523.0	64084.4	64528.1	65438.3	66124.3	66572.6
12.5°	32300.6	32570.5	33284.0	33842.0	35726.4	36407.9	36682.4	36760.1	36755.6	36828.7
15°	20065.5	20285.1	20783.6	21794.5	22942.5	23788.7	23907.6	23468.5	23088.9	23029.4
17.5°	12514.1	12427.2	13598.1	14705.0	16086.3	16525.4	16068.0	15564.9	15048.0	14750.7
20°	7510.3	7569.7	7967.7	8461.6	9577.7	10336.9	9861.2	9349.0	8813.8	8461.6
22.5°	4267.4	4331.4	4505.3	4761.4	5186.8	5877.4	5575.5	5058.7	4679.1	4523.6
25°	2520.2	2520.2	2625.4	2739.7	2918.1	3078.2	3014.2	2739.7	2515.6	2451.6
27.5°	1632.9	1619.1	1655.7	1710.6	1793.0	1802.1	1728.9	1646.6	1532.2	1491.1
30°	1193.8	1198.4	1193.8	1216.6	1212.1	1180.1	1134.3	1138.9	1093.2	1088.6
32.5°	969.7	974.2	974.2	969.7	946.8	896.5	864.5	896.5	887.3	878.2
35°	805.0	809.6	855.3	850.7	814.1	759.3	736.4	773.0	800.4	759.3
37.5°	695.2	699.8	736.4	754.7	708.9	672.4	644.9	676.9	718.1	672.4
40°	612.9	617.5	626.6	631.2	608.3	590.0	576.3	585.5	603.7	580.9
42.5°	539.7	535.1	539.7	535.1	507.7	516.8	507.7	494.0	507.7	489.4
45°	471.1	471.1	471.1	457.4	429.9	448.2	439.1	425.4	429.9	416.2
47.5°	429.9	429.9	429.9	411.6	388.8	388.8	393.4	370.5	375.1	370.5
50°	388.8	388.8	397.9	379.6	361.3	347.6	352.2	333.9	338.5	333.9
52.5°	356.8	356.8	356.8	347.6	333.9	324.7	315.6	306.4	301.9	297.3
55°	343.0	343.0	338.5	311.0	306.4	297.3	279.0	274.4	265.3	260.7
57.5°	320.2	320.2	315.6	292.7	274.4	274.4	247.0	242.4	228.7	228.7
60°	283.6	283.6	279.0	274.4	251.6	237.8	219.5	210.4	196.7	192.1
62.5°	269.9	269.9	260.7	237.8	233.3	210.4	192.1	173.8	164.7	155.5
65°	251.6	247.0	242.4	219.5	201.2	187.5	164.7	141.8	132.6	114.3
67.5°	224.1	224.1	219.5	201.2	183.0	160.1	137.2	118.9	96.1	82.3
70°	196.7	192.1	192.1	173.8	160.1	141.8	109.8	91.5	68.6	54.9
72.5°	164.7	164.7	160.1	146.4	137.2	123.5	96.1	73.2	45.7	36.6
75°	132.6	132.6	128.1	118.9	114.3	100.6	82.3	64.0	36.6	18.3
77.5°	109.8	105.2	105.2	96.1	91.5	82.3	68.6	50.3	27.4	13.7
80°	82.3	82.3	86.9	82.3	73.2	68.6	59.5	45.7	22.9	9.1
82.5°	59.5	59.5	64.0	64.0	64.0	59.5	59.5	45.7	22.9	4.6
85°	41.2	41.2	50.3	45.7	45.7	50.3	73.2	59.5	18.3	4.6
87.5°	22.9	22.9	22.9	18.3	18.3	22.9	27.4	22.9	9.1	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
365502.0  
359139.7  
341612.7  
311356.6  
271751.5  
226753.8  
182437.7  
142599.3  
109891.6  
87319.6  
66837.9  
36888.2  
22846.4  
14705.0  
8539.4  
4541.8  
2442.4  
1491.1  
1084.0  
859.9  
750.1  
667.8  
571.7  
489.4  
416.2  
370.5  
333.9  
297.3  
256.1  
228.7  
183.0  
150.9  
109.8  
82.3  
54.9  
32.0  
18.3  
9.1  
4.6  
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0.0

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