

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: P636357

Luminaire Tested: **IFLD-L-SA8B-935-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636357  
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-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (128) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25264.7 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

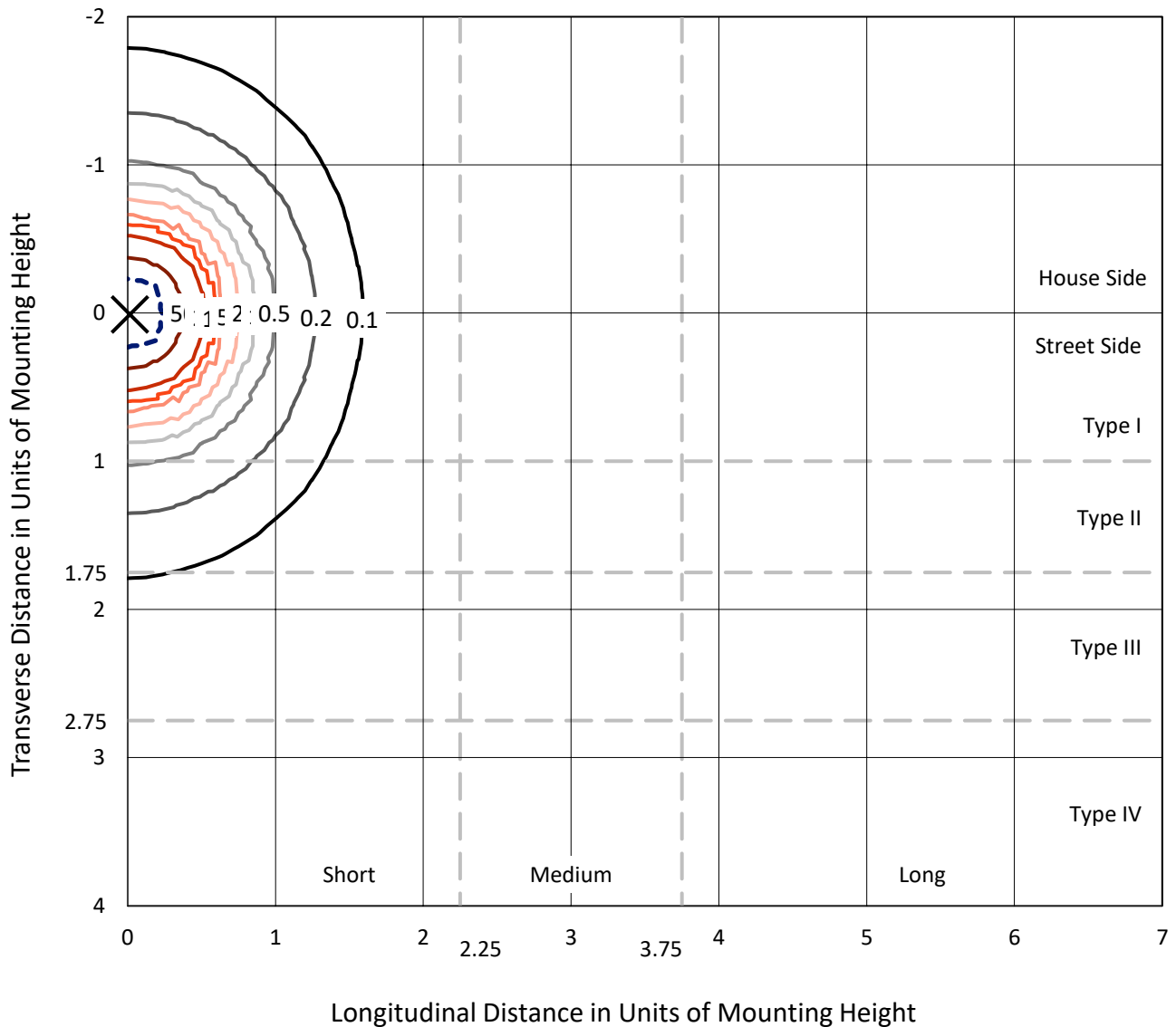
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

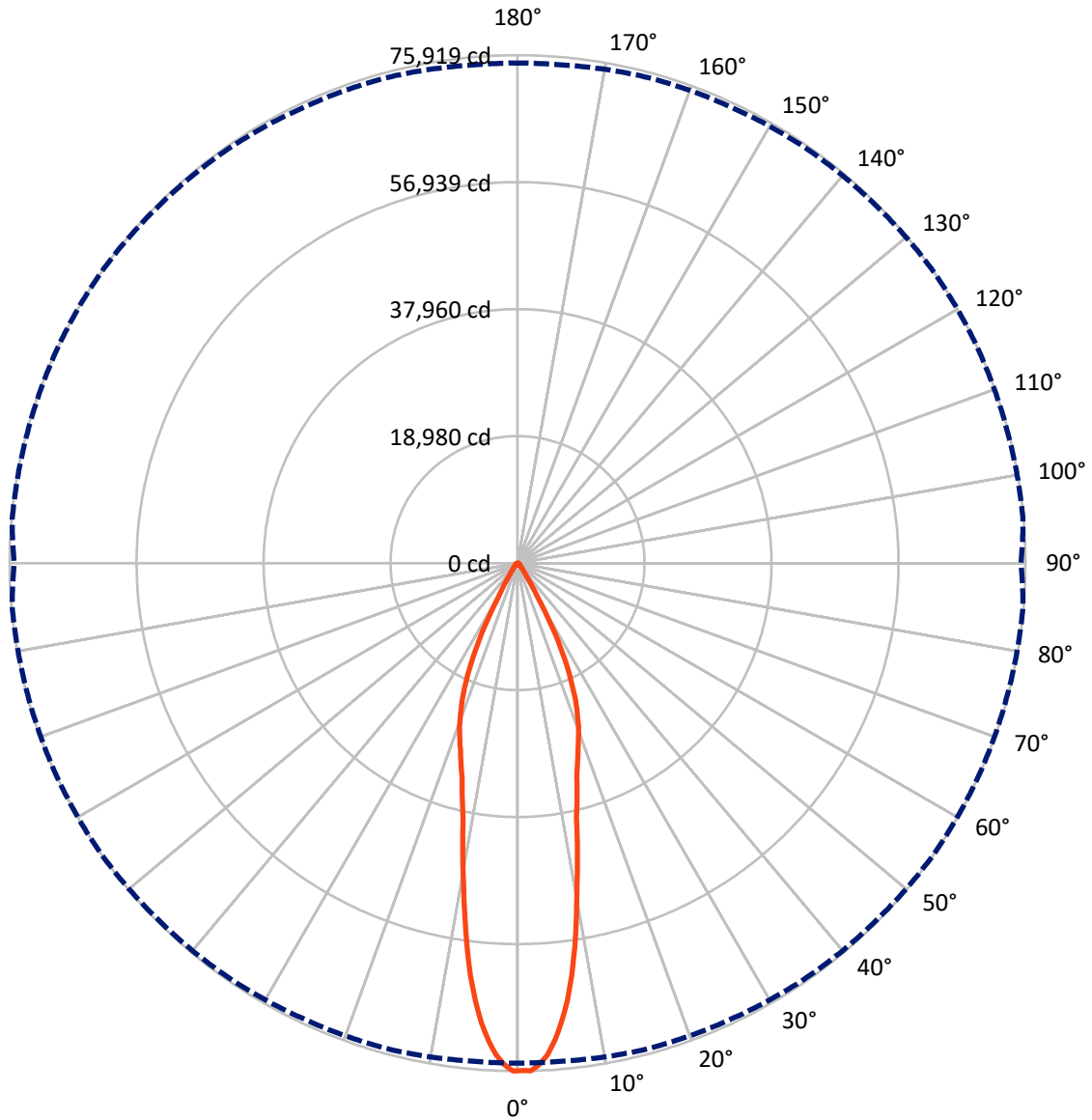
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 189.6 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	12632.3	0.0	12632.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12632.3	0.0	12632.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25264.7	0.0	25264.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5769.7	22.8
10°-20°	9423.5	37.3
20°-30°	7363.8	29.1
30°-40°	1605.1	6.4
40°-50°	475.2	1.9
50°-60°	297.2	1.2
60°-70°	207.9	0.8
70°-80°	89.2	0.4
80°-90°	33.0	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°	25264.7	100.0
0°-180°	25264.7	100.0



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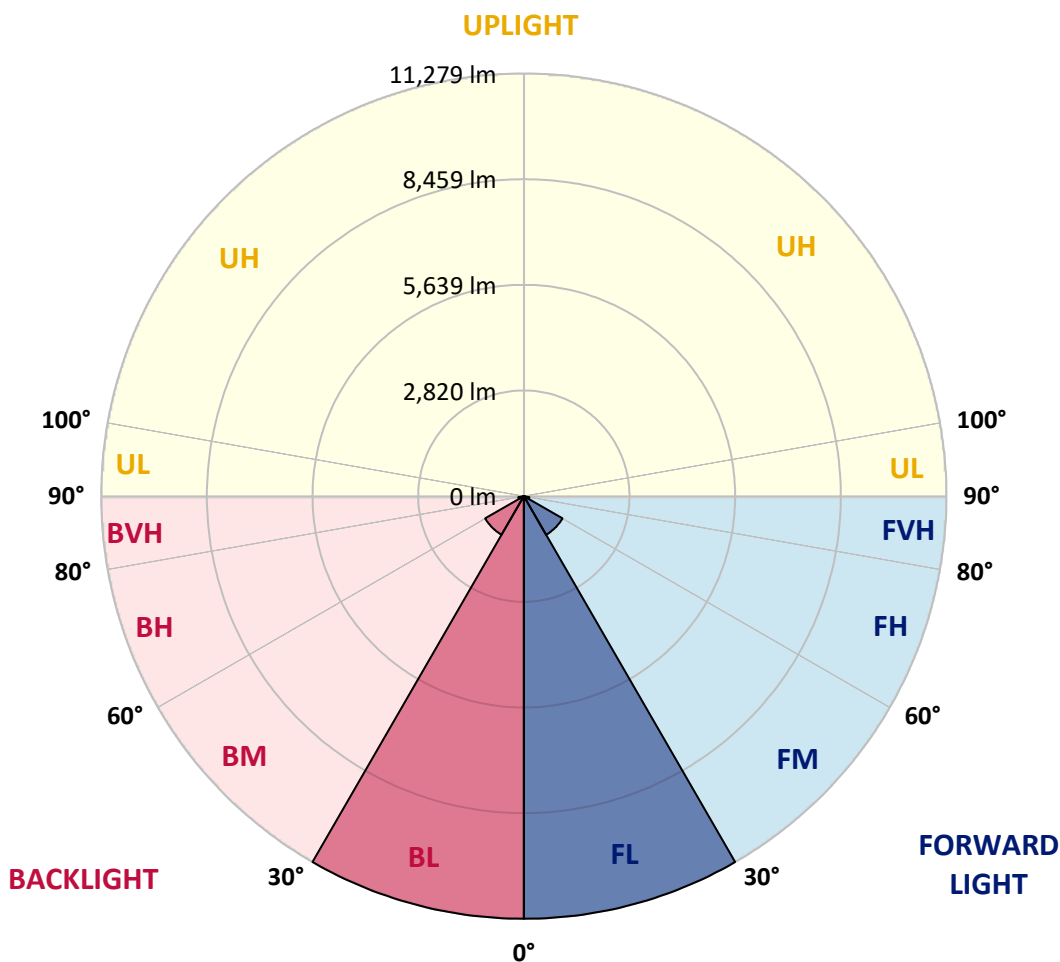
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11278.5	44.6			
FM (30°-60°)	1188.8	4.7			
FH (60°-80°)	148.5	0.6			G0/660
FVH (80°-90°)	16.5	0.1			G1/100
BL (0°-30°)	11278.5	44.6	B5		
BM (30°-60°)	1188.8	4.7	B2/2500		
BH (60°-80°)	148.5	0.6	B1/500		G0/660
BVH (80°-90°)	16.5	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°	75832.1	75832.1	75832.1	75832.1	75832.1	75832.1	75832.1	75832.1	75832.1	75832.1
1°	74734.4	74743.5	75150.6	75242.1	75521.1	75662.9	75919.0	75891.5	75813.8	75822.9
2°	73357.7	73298.2	73677.9	74098.6	74432.5	74706.9	75013.4	75077.4	75004.2	75072.8
3°	71093.7	71006.8	71537.4	72063.3	72644.2	73115.3	73577.2	73595.5	73508.6	73504.1
4°	68116.2	67956.2	68587.3	69524.9	70256.7	70883.3	71459.6	71450.5	71331.6	71427.6
5°	64516.7	64315.5	65134.2	66369.1	67453.0	68207.7	68843.5	68692.5	68418.1	68431.8
6°	60098.5	60295.2	61296.8	63030.3	64310.9	64937.5	65719.6	65436.0	64960.4	64910.1
7°	55945.6	56389.2	57189.6	59279.8	60802.9	61461.5	62124.7	61553.0	60908.1	60802.9
8°	51573.1	52314.1	53420.9	55346.4	56970.1	57633.3	57884.8	57272.0	56581.3	56553.9
9°	48028.5	48536.2	49487.5	51184.4	52835.5	53279.1	53334.0	52798.9	52108.3	52154.0
10°	44804.0	44900.1	45723.4	47182.4	48504.2	48819.8	48806.0	48417.3	47850.1	48001.1
12.5°	37586.7	37847.4	38085.3	38551.8	38995.4	39201.3	39123.5	38963.4	38652.4	38666.1
15°	32688.3	32683.7	32711.2	32926.1	33058.8	33081.6	33081.6	32880.4	32747.7	32944.4
17.5°	28366.1	28604.0	29029.3	29203.1	29376.9	29312.9	29194.0	29102.5	29015.6	29184.8
20°	25004.5	25109.7	25114.2	25228.6	26106.7	26152.5	26001.5	25740.8	25521.3	25480.1
22.5°	21222.0	21382.1	21450.7	21551.3	21642.8	22310.5	22132.2	21711.4	21450.7	21372.9
25°	15930.2	15875.3	16323.6	17146.8	17279.5	17361.8	17316.1	17096.5	16927.3	16959.3
27.5°	11008.9	11105.0	11086.7	11095.8	11969.4	11964.8	11951.1	11759.0	11708.7	11635.5
30°	6156.2	6110.5	6133.3	6073.9	5950.4	6101.3	5858.9	6064.7	5863.5	5927.5
32.5°	3640.7	3608.7	3576.6	3590.4	3498.9	3274.8	3178.7	3320.5	3274.8	3256.5
35°	2323.4	2337.2	2378.3	2373.8	2291.4	2163.4	2026.2	2154.2	2135.9	2081.0
37.5°	1481.9	1481.9	1495.6	1614.5	1545.9	1436.1	1340.1	1395.0	1390.4	1381.3
40°	1052.0	1052.0	1070.2	1102.3	1065.7	1010.8	955.9	955.9	965.1	937.6
42.5°	782.1	782.1	800.4	818.7	773.0	754.7	727.2	708.9	731.8	708.9
45°	612.9	608.3	612.9	603.7	576.3	576.3	553.4	526.0	553.4	539.7
47.5°	503.1	498.5	494.0	475.7	448.2	452.8	443.6	420.8	434.5	429.9
50°	439.1	429.9	434.5	416.2	393.3	388.8	388.8	365.9	370.5	370.5
52.5°	384.2	384.2	379.6	370.5	361.3	343.0	347.6	324.7	324.7	324.7
55°	361.3	361.3	352.2	333.9	338.5	324.7	311.0	297.3	292.7	292.7
57.5°	356.7	356.7	352.2	333.9	320.2	315.6	297.3	279.0	265.3	269.8
60°	347.6	347.6	338.5	333.9	311.0	301.9	274.4	260.7	242.4	242.4
62.5°	333.9	329.3	311.0	283.6	283.6	260.7	242.4	215.0	201.2	196.7
65°	283.6	279.0	265.3	242.4	228.7	215.0	187.5	160.1	150.9	137.2
67.5°	233.3	233.3	224.1	201.2	192.1	173.8	141.8	123.5	100.6	91.5
70°	192.1	192.1	182.9	169.2	160.1	137.2	109.8	91.5	68.6	59.5
72.5°	155.5	155.5	146.4	137.2	128.1	114.3	91.5	68.6	45.7	36.6
75°	123.5	123.5	118.9	109.8	100.6	91.5	73.2	54.9	32.0	18.3
77.5°	100.6	100.6	96.0	91.5	82.3	73.2	59.5	45.7	22.9	9.1
80°	77.8	77.8	77.8	77.8	68.6	59.5	50.3	36.6	18.3	4.6
82.5°	54.9	54.9	59.5	68.6	54.9	45.7	45.7	36.6	13.7	4.6
85°	36.6	41.2	45.7	41.2	36.6	36.6	64.0	59.5	13.7	4.6
87.5°	18.3	18.3	18.3	18.3	18.3	13.7	18.3	13.7	9.1	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°  
75832.1  
*75260.4*  
74533.1  
73106.1  
70974.8  
67764.1  
64242.3  
60304.3  
55552.3  
51472.5  
47470.5  
38213.3  
32487.0  
28796.1  
25214.9  
21093.9  
16849.5  
11370.2  
6005.3  
3210.7  
2021.6  
1363.0  
928.5  
704.4  
539.7  
429.9  
375.0  
324.7  
288.1  
269.8  
228.7  
187.5  
132.6  
86.9  
54.9  
32.0  
13.7  
9.1  
4.6  
4.6  
4.6  
0.0  
0.0

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