

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: P636051

Luminaire Tested: **IFLD-S-SA6A-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636051  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17029.2 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

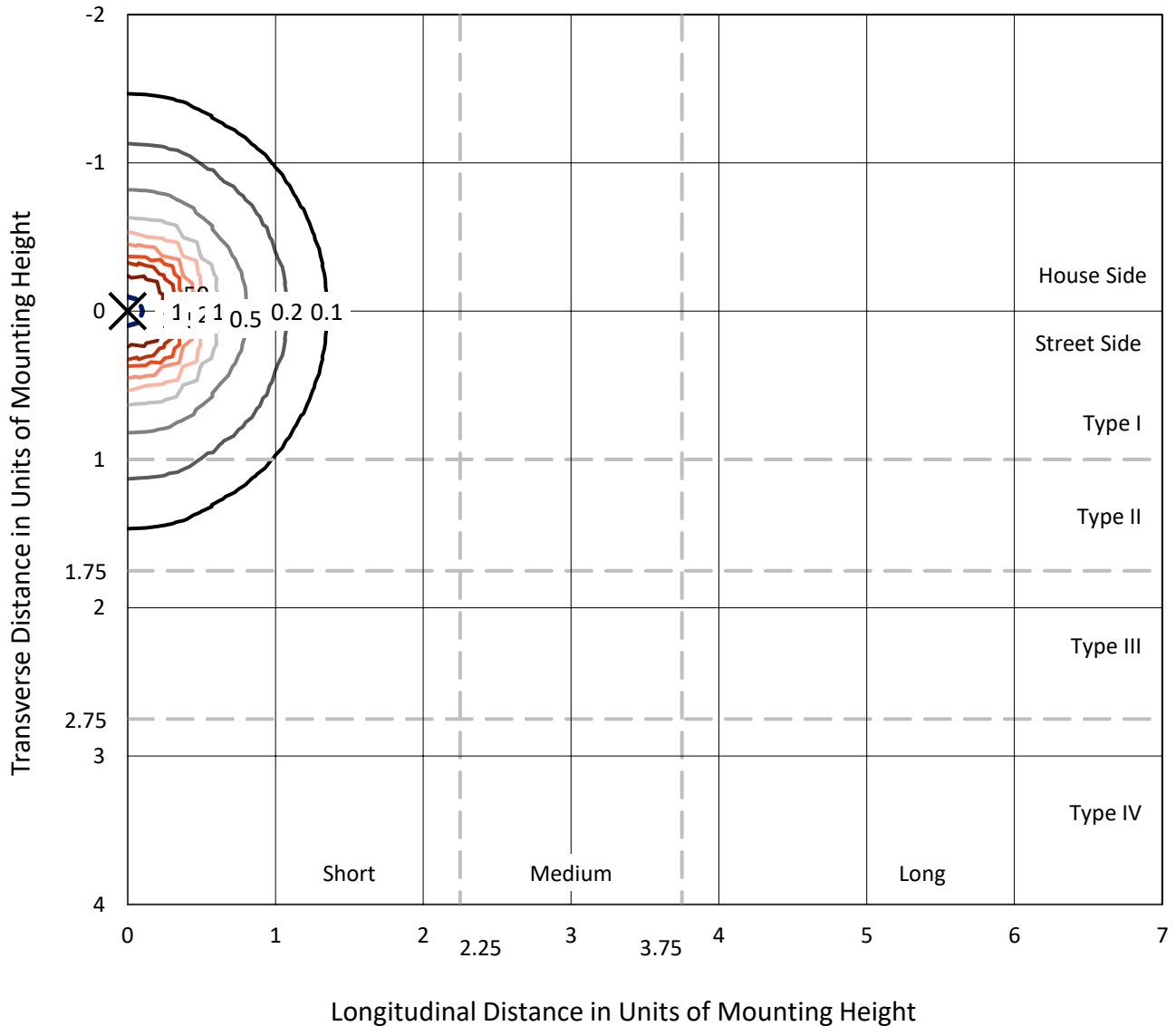
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

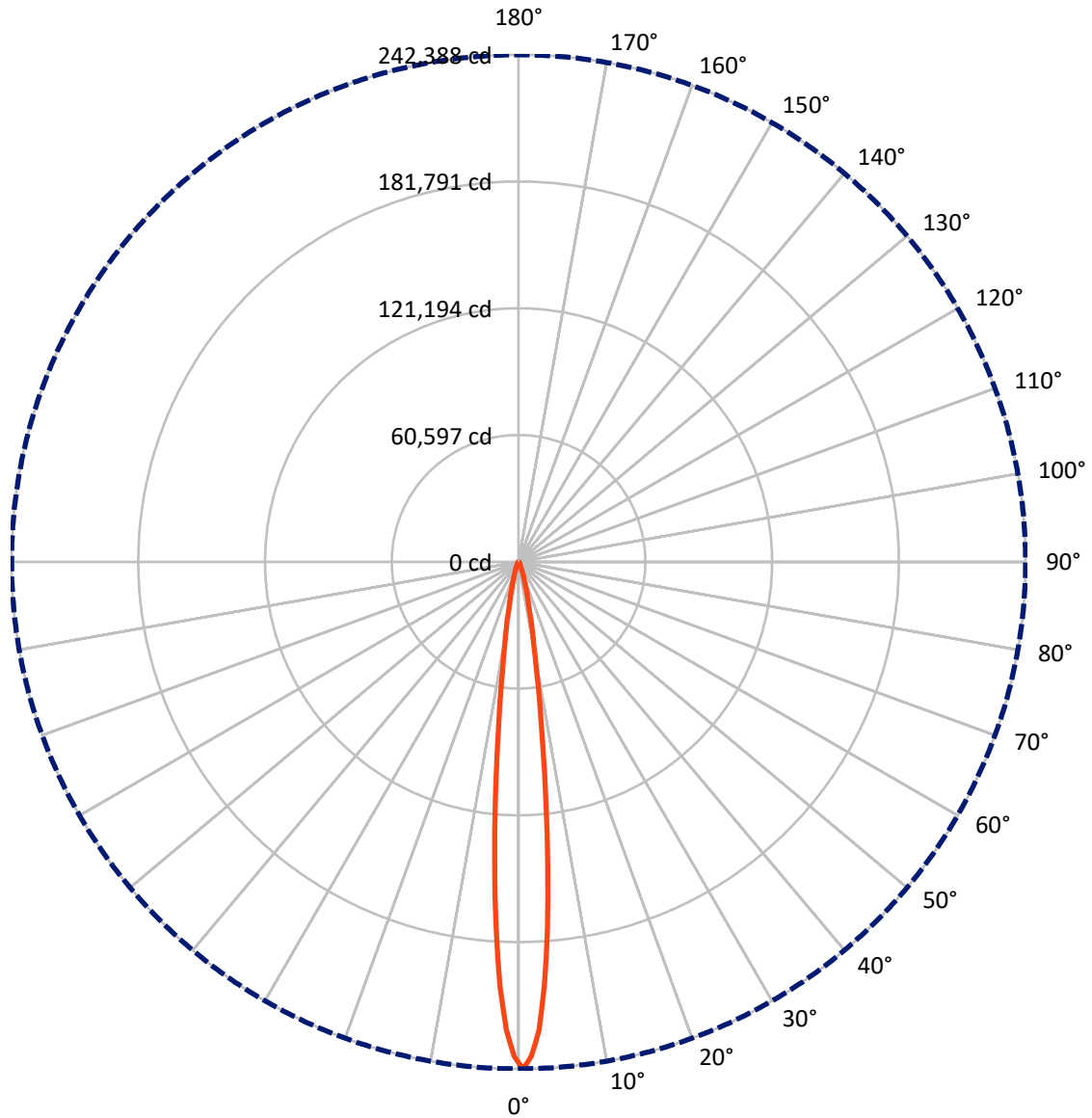
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 606 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	8514.6	0.0	8514.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8514.6	0.0	8514.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17029.2	0.0	17029.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10380.7	61.0
10°-20°	4650.6	27.3
20°-30°	1038.6	6.1
30°-40°	339.0	2.0
40°-50°	233.8	1.4
50°-60°	176.6	1.0
60°-70°	120.9	0.7
70°-80°	63.7	0.4
80°-90°	25.4	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°	17029.2	100.0
0°-180°	17029.2	100.0

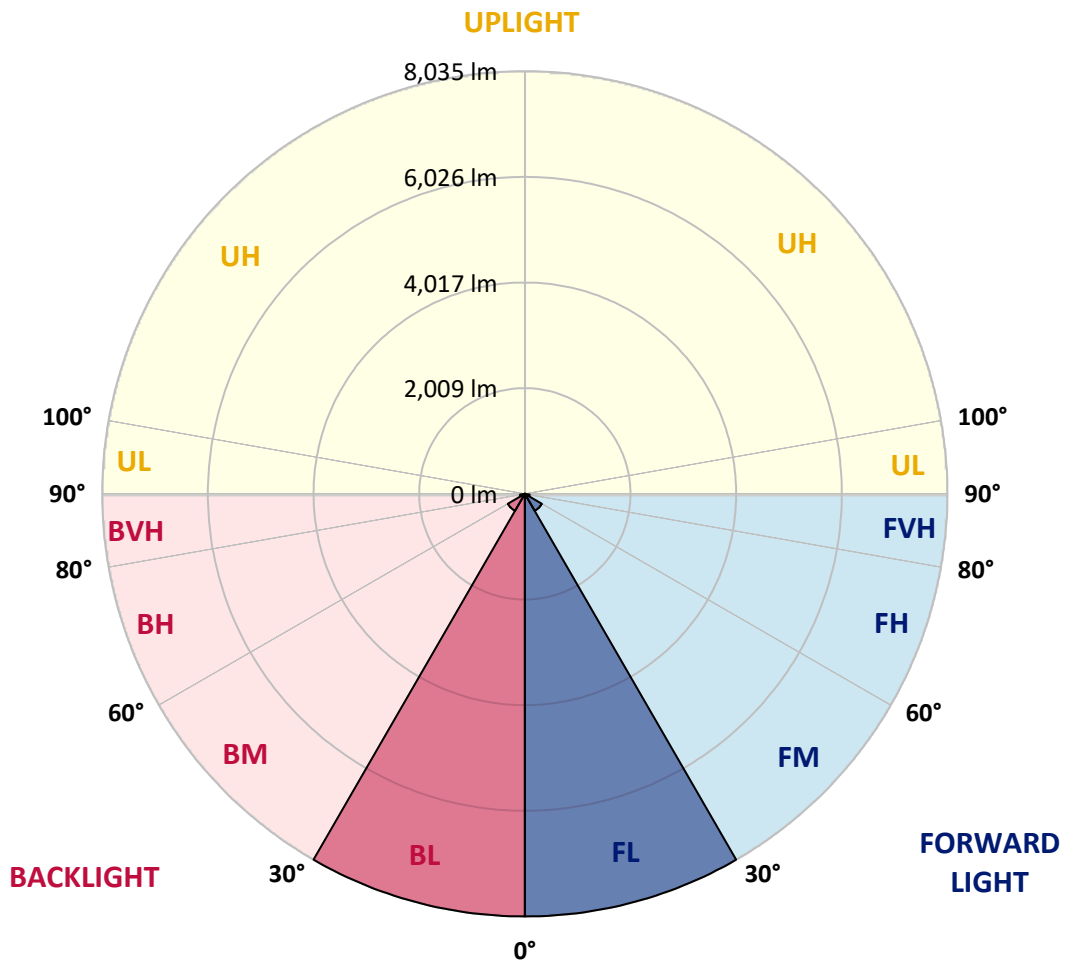


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8034.9	47.2			
FM (30°-60°)	374.7	2.2			
FH (60°-80°)	92.3	0.5			G0/660
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	8034.9	47.2	B5		
BM (30°-60°)	374.7	2.2	B1/1000		
BH (60°-80°)	92.3	0.5	B0/110		G0/660
BVH (80°-90°)	12.7	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°	242388.1	242388.1	242388.1	242388.1	242388.1	242388.1	242388.1	242388.1	242388.1	242388.1
1°	236370.2	236691.7	236333.8	238141.6	238887.8	239276.0	239321.5	240340.7	239555.1	239773.5
2°	223912.7	224628.6	223430.4	224589.1	226906.5	227783.1	226354.5	228119.8	227488.9	227855.9
3°	202980.4	203857.0	202200.9	203617.4	206599.1	207266.4	204924.7	207433.2	207369.5	207897.3
4°	175999.9	177422.5	175056.6	176733.9	178053.4	180376.8	178108.0	180962.2	180907.6	181823.7
5°	145373.4	146911.3	144854.7	146595.8	147845.5	148710.0	147878.9	151036.4	151236.6	152183.0
6°	115405.1	116839.9	114543.7	116205.9	118186.6	118541.5	118326.1	121043.9	121647.5	120910.4
7°	88815.9	89173.8	88812.8	90323.4	91912.8	91970.4	92249.5	94639.7	95170.5	94915.7
8°	68020.1	66382.1	67789.6	68590.3	69081.7	71338.4	71505.3	72709.5	73686.2	73755.9
9°	51777.2	50260.5	51889.4	52207.9	53336.2	55341.2	55089.4	56405.9	57018.6	56979.1
10°	39474.4	38704.0	39519.9	39871.8	40799.9	42498.5	42792.7	43396.4	43851.3	44148.6
12.5°	21420.6	21599.6	22072.8	22442.8	23692.5	24144.5	24326.5	24378.0	24375.0	24423.5
15°	13306.8	13452.4	13783.0	14453.3	15214.7	15775.8	15854.7	15563.5	15311.7	15272.3
17.5°	8298.9	8241.3	9017.8	9751.8	10667.9	10959.0	10655.7	10322.1	9979.3	9782.2
20°	4980.6	5020.0	5283.9	5611.5	6351.6	6855.1	6539.6	6199.9	5845.0	5611.5
22.5°	2830.0	2872.5	2987.7	3157.6	3439.7	3897.7	3697.5	3354.7	3103.0	2999.9
25°	1671.3	1671.3	1741.1	1816.9	1935.2	2041.4	1998.9	1816.9	1668.3	1625.8
27.5°	1082.9	1073.8	1098.0	1134.4	1189.0	1195.1	1146.6	1092.0	1016.1	988.8
30°	791.7	794.7	791.7	806.8	803.8	782.6	752.2	755.3	724.9	721.9
32.5°	643.0	646.1	646.1	643.0	627.9	594.5	573.3	594.5	588.4	582.4
35°	533.8	536.9	567.2	564.2	539.9	503.5	488.3	512.6	530.8	503.5
37.5°	461.1	464.1	488.3	500.5	470.1	445.9	427.7	448.9	476.2	445.9
40°	406.5	409.5	415.6	418.6	403.4	391.3	382.2	388.3	400.4	385.2
42.5°	357.9	354.9	357.9	354.9	336.7	342.8	336.7	327.6	336.7	324.6
45°	312.4	312.4	312.4	303.3	285.1	297.3	291.2	282.1	285.1	276.0
47.5°	285.1	285.1	285.1	273.0	257.8	257.8	260.9	245.7	248.7	245.7
50°	257.8	257.8	263.9	251.8	239.6	230.5	233.6	221.4	224.5	221.4
52.5°	236.6	236.6	236.6	230.5	221.4	215.4	209.3	203.2	200.2	197.2
55°	227.5	227.5	224.5	206.3	203.2	197.2	185.0	182.0	175.9	172.9
57.5°	212.3	212.3	209.3	194.1	182.0	182.0	163.8	160.8	151.7	151.7
60°	188.1	188.1	185.0	182.0	166.8	157.7	145.6	139.5	130.4	127.4
62.5°	179.0	179.0	172.9	157.7	154.7	139.5	127.4	115.3	109.2	103.1
65°	166.8	163.8	160.8	145.6	133.5	124.4	109.2	94.0	88.0	75.8
67.5°	148.6	148.6	145.6	133.5	121.3	106.2	91.0	78.9	63.7	54.6
70°	130.4	127.4	127.4	115.3	106.2	94.0	72.8	60.7	45.5	36.4
72.5°	109.2	109.2	106.2	97.1	91.0	81.9	63.7	48.5	30.3	24.3
75°	88.0	88.0	84.9	78.9	75.8	66.7	54.6	42.5	24.3	12.1
77.5°	72.8	69.8	69.8	63.7	60.7	54.6	45.5	33.4	18.2	9.1
80°	54.6	54.6	57.6	54.6	48.5	45.5	39.4	30.3	15.2	6.1
82.5°	39.4	39.4	42.5	42.5	42.5	39.4	39.4	30.3	15.2	3.0
85°	27.3	27.3	33.4	30.3	30.3	33.4	48.5	39.4	12.1	3.0
87.5°	15.2	15.2	15.2	12.1	12.1	15.2	18.2	15.2	6.1	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
242388.1  
238168.9  
226545.6  
206480.8  
180216.1  
150375.2  
120986.3  
94566.9  
72876.3  
57907.3  
44324.5  
24463.0  
15151.0  
9751.8  
5663.0  
3012.0  
1619.7  
988.8  
718.9  
570.2  
497.4  
442.9  
379.2  
324.6  
276.0  
245.7  
221.4  
197.2  
169.9  
151.7  
121.3  
100.1  
72.8  
54.6  
36.4  
21.2  
12.1  
6.1  
3.0  
3.0  
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