

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: P636314

Luminaire Tested: **IFLD-S-SA6C-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636314  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-930-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (96) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24861.9 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

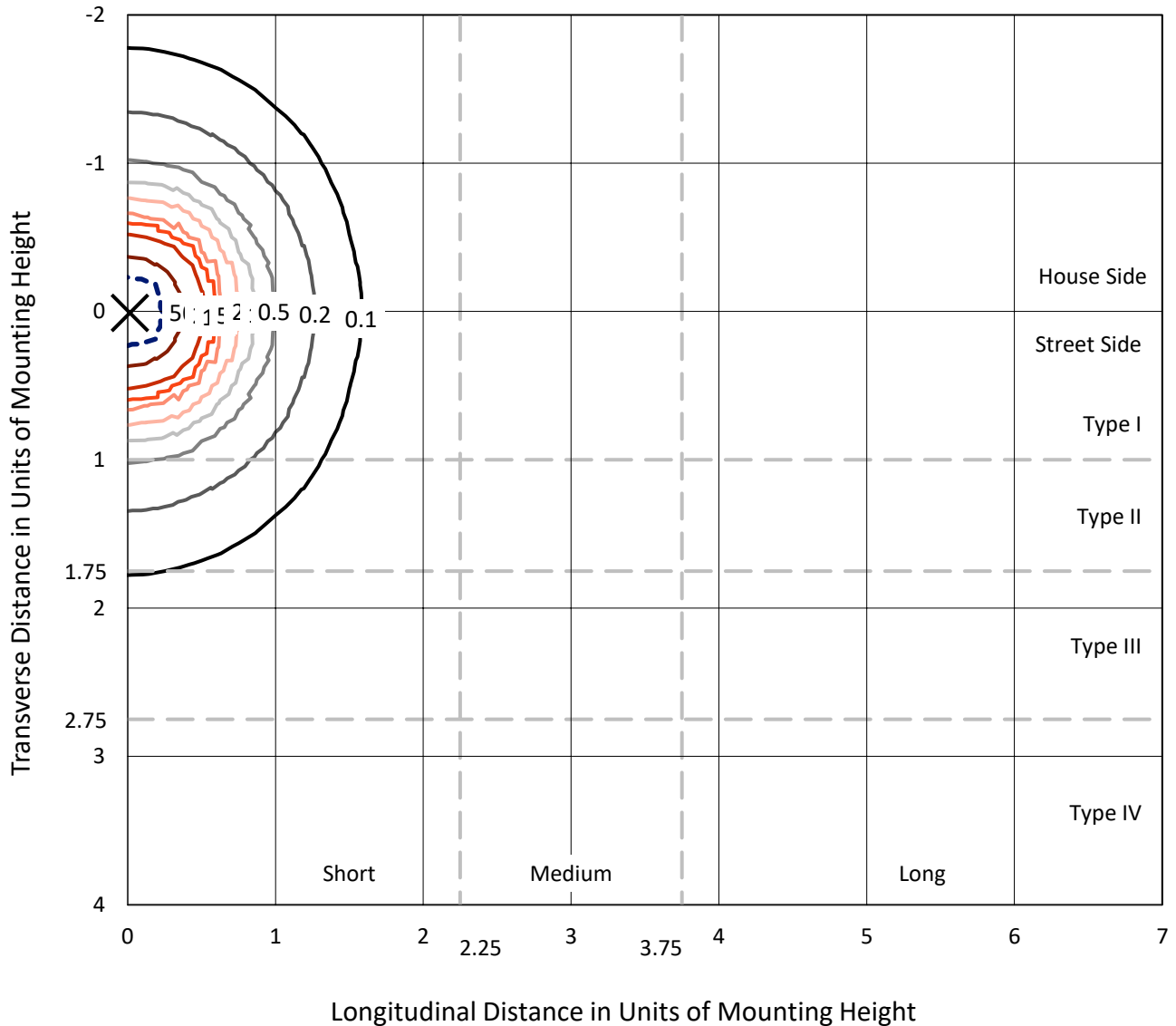
Input Watts (W): 321.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

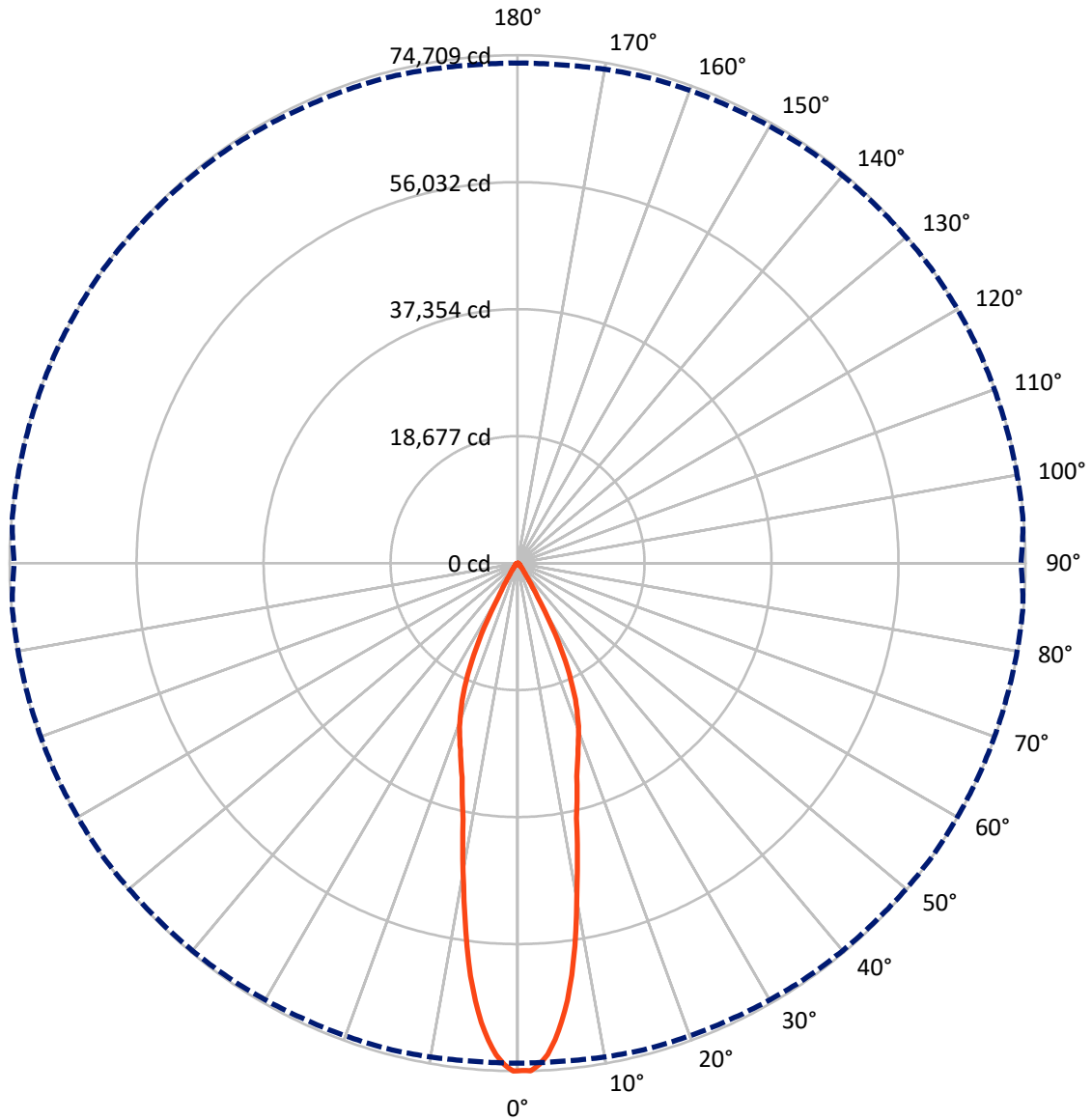
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 186.6 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	12431.0	0.0	12431.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12431.0	0.0	12431.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24861.9	0.0	24861.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5677.8	22.8
10°-20°	9273.3	37.3
20°-30°	7246.5	29.1
30°-40°	1579.5	6.4
40°-50°	467.7	1.9
50°-60°	292.5	1.2
60°-70°	204.5	0.8
70°-80°	87.8	0.4
80°-90°	32.4	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°	24861.9	100.0
0°-180°	24861.9	100.0



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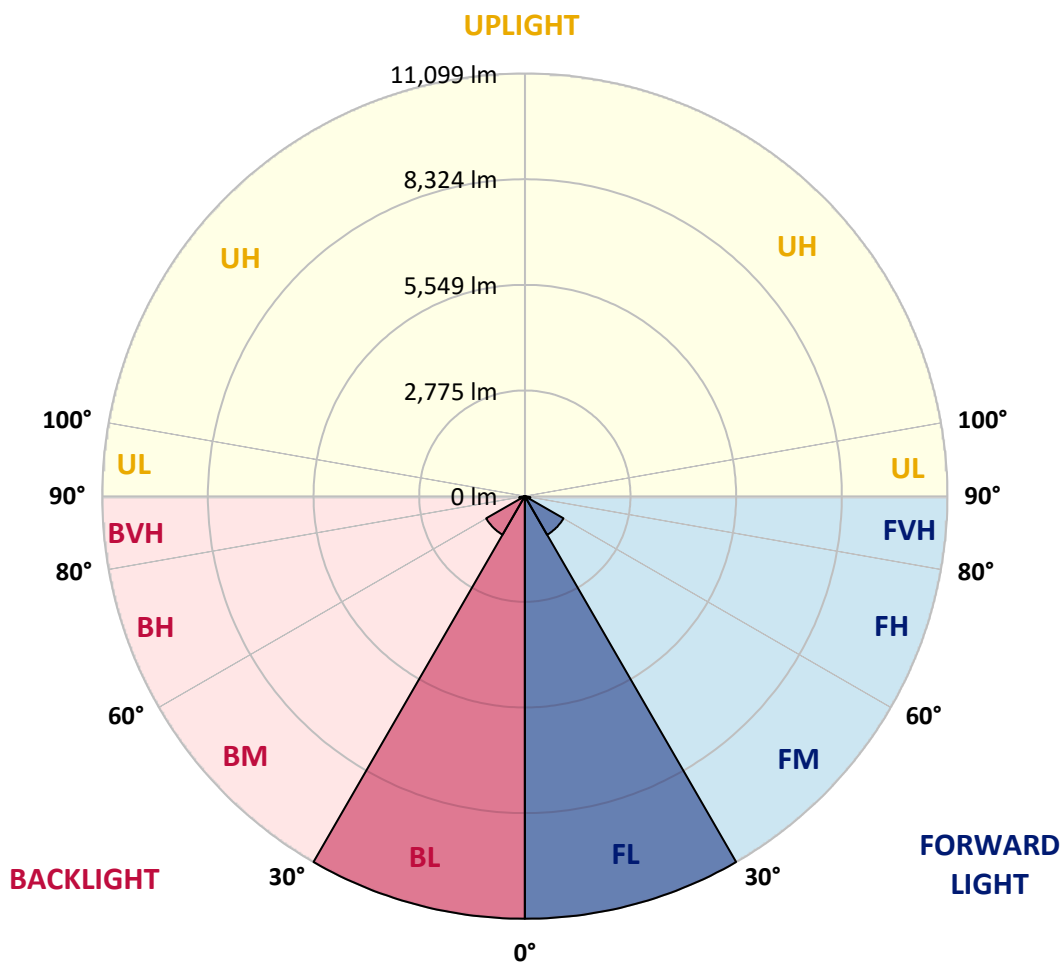
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11098.8	44.6			
FM (30°-60°)	1169.8	4.7			
FH (60°-80°)	146.1	0.6			G0/660
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	11098.8	44.6	B5		
BM (30°-60°)	1169.8	4.7	B2/2500		
BH (60°-80°)	146.1	0.6	B1/500		G0/660
BVH (80°-90°)	16.2	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°	74623.3	74623.3	74623.3	74623.3	74623.3	74623.3	74623.3	74623.3	74623.3	74623.3
1°	73543.1	73552.1	73952.7	74042.7	74317.3	74456.8	74708.8	74681.8	74605.3	74614.3
2°	72188.4	72129.9	72503.4	72917.5	73246.1	73516.1	73817.7	73880.7	73808.7	73876.2
3°	69960.5	69875.0	70397.1	70914.7	71486.3	71949.8	72404.4	72422.4	72336.9	72332.4
4°	67030.5	66872.9	67494.0	68416.7	69136.8	69753.4	70320.5	70311.5	70194.5	70289.0
5°	63488.3	63290.3	64095.9	65311.2	66377.8	67120.5	67746.1	67597.6	67327.5	67341.0
6°	59140.6	59334.1	60319.8	62025.6	63285.8	63902.4	64672.0	64393.0	63924.9	63875.4
7°	55053.8	55490.4	56278.0	58334.9	59833.7	60481.8	61134.4	60571.8	59937.2	59833.7
8°	50751.1	51480.2	52569.4	54464.2	56062.0	56714.6	56962.2	56359.1	55679.4	55652.4
9°	47262.9	47762.5	48698.7	50368.5	51993.3	52429.9	52483.9	51957.3	51277.6	51322.7
10°	44089.9	44184.4	44994.5	46430.3	47731.0	48041.6	48028.1	47645.5	47087.4	47235.9
12.5°	36987.6	37244.1	37478.2	37937.3	38373.8	38576.4	38499.9	38342.3	38036.3	38049.8
15°	32167.2	32162.7	32189.7	32401.3	32531.8	32554.3	32554.3	32356.3	32225.8	32419.3
17.5°	27914.0	28148.0	28566.6	28737.6	28908.7	28845.6	28728.6	28638.6	28553.1	28719.6
20°	24605.9	24709.4	24713.9	24826.4	25690.6	25735.6	25587.1	25330.5	25114.5	25074.0
22.5°	20883.7	21041.3	21108.8	21207.8	21297.8	21954.9	21779.4	21365.3	21108.8	21032.3
25°	15676.3	15622.3	16063.4	16873.5	17004.0	17085.0	17040.0	16824.0	16657.5	16689.0
27.5°	10833.4	10927.9	10909.9	10918.9	11778.6	11774.1	11760.6	11571.6	11522.1	11450.0
30°	6058.1	6013.1	6035.6	5977.1	5855.5	6004.1	5765.5	5968.1	5770.0	5833.0
32.5°	3582.6	3551.1	3519.6	3533.1	3443.1	3222.6	3128.1	3267.6	3222.6	3204.6
35°	2286.4	2299.9	2340.4	2335.9	2254.9	2128.9	1993.9	2119.9	2101.9	2047.9
37.5°	1458.3	1458.3	1471.8	1588.8	1521.3	1413.3	1318.7	1372.7	1368.2	1359.2
40°	1035.2	1035.2	1053.2	1084.7	1048.7	994.7	940.7	940.7	949.7	922.7
42.5°	769.6	769.6	787.6	805.6	760.6	742.6	715.6	697.6	720.1	697.6
45°	603.1	598.6	603.1	594.1	567.1	567.1	544.6	517.6	544.6	531.1
47.5°	495.1	490.6	486.1	468.1	441.1	445.6	436.6	414.1	427.6	423.1
50°	432.1	423.1	427.6	409.6	387.1	382.6	382.6	360.1	364.6	364.6
52.5°	378.1	378.1	373.6	364.6	355.6	337.6	342.1	319.6	319.6	319.6
55°	355.6	355.6	346.6	328.6	333.1	319.6	306.1	292.6	288.1	288.1
57.5°	351.1	351.1	346.6	328.6	315.1	310.6	292.6	274.5	261.0	265.5
60°	342.1	342.1	333.1	328.6	306.1	297.1	270.0	256.5	238.5	238.5
62.5°	328.6	324.1	306.1	279.0	279.0	256.5	238.5	211.5	198.0	193.5
65°	279.0	274.5	261.0	238.5	225.0	211.5	184.5	157.5	148.5	135.0
67.5°	229.5	229.5	220.5	198.0	189.0	171.0	139.5	121.5	99.0	90.0
70°	189.0	189.0	180.0	166.5	157.5	135.0	108.0	90.0	67.5	58.5
72.5°	153.0	153.0	144.0	135.0	126.0	112.5	90.0	67.5	45.0	36.0
75°	121.5	121.5	117.0	108.0	99.0	90.0	72.0	54.0	31.5	18.0
77.5°	99.0	99.0	94.5	90.0	81.0	72.0	58.5	45.0	22.5	9.0
80°	76.5	76.5	76.5	76.5	67.5	58.5	49.5	36.0	18.0	4.5
82.5°	54.0	54.0	58.5	67.5	54.0	45.0	45.0	36.0	13.5	4.5
85°	36.0	40.5	45.0	40.5	36.0	36.0	63.0	58.5	13.5	4.5
87.5°	18.0	18.0	18.0	18.0	18.0	13.5	18.0	13.5	9.0	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°  
74623.3  
74060.7  
73345.1  
71940.8  
69843.5  
66683.9  
63218.3  
59343.1  
54666.8  
50652.0  
46713.8  
37604.2  
31969.2  
28337.1  
24812.9  
20757.7  
16581.0  
11189.0  
5909.6  
3159.6  
1989.4  
1341.2  
913.7  
693.1  
531.1  
423.1  
369.1  
319.6  
283.6  
265.5  
225.0  
184.5  
130.5  
85.5  
54.0  
31.5  
13.5  
9.0  
4.5  
4.5  
4.5  
0.0  
0.0

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