

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: P636330

Luminaire Tested: **IFLD-L-SA8D-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636330  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-930-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33355.8 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

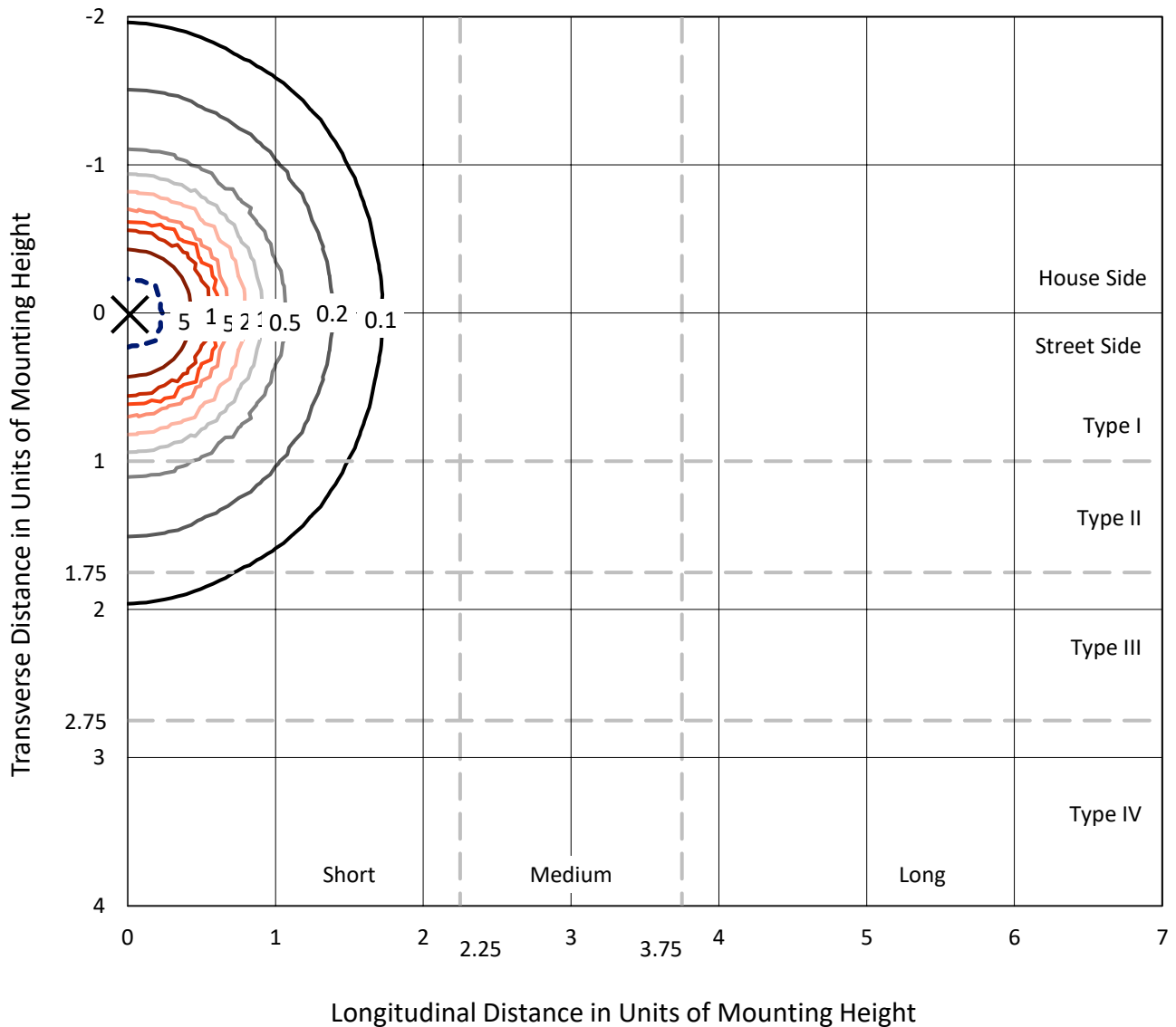
Input Watts (W): 488.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

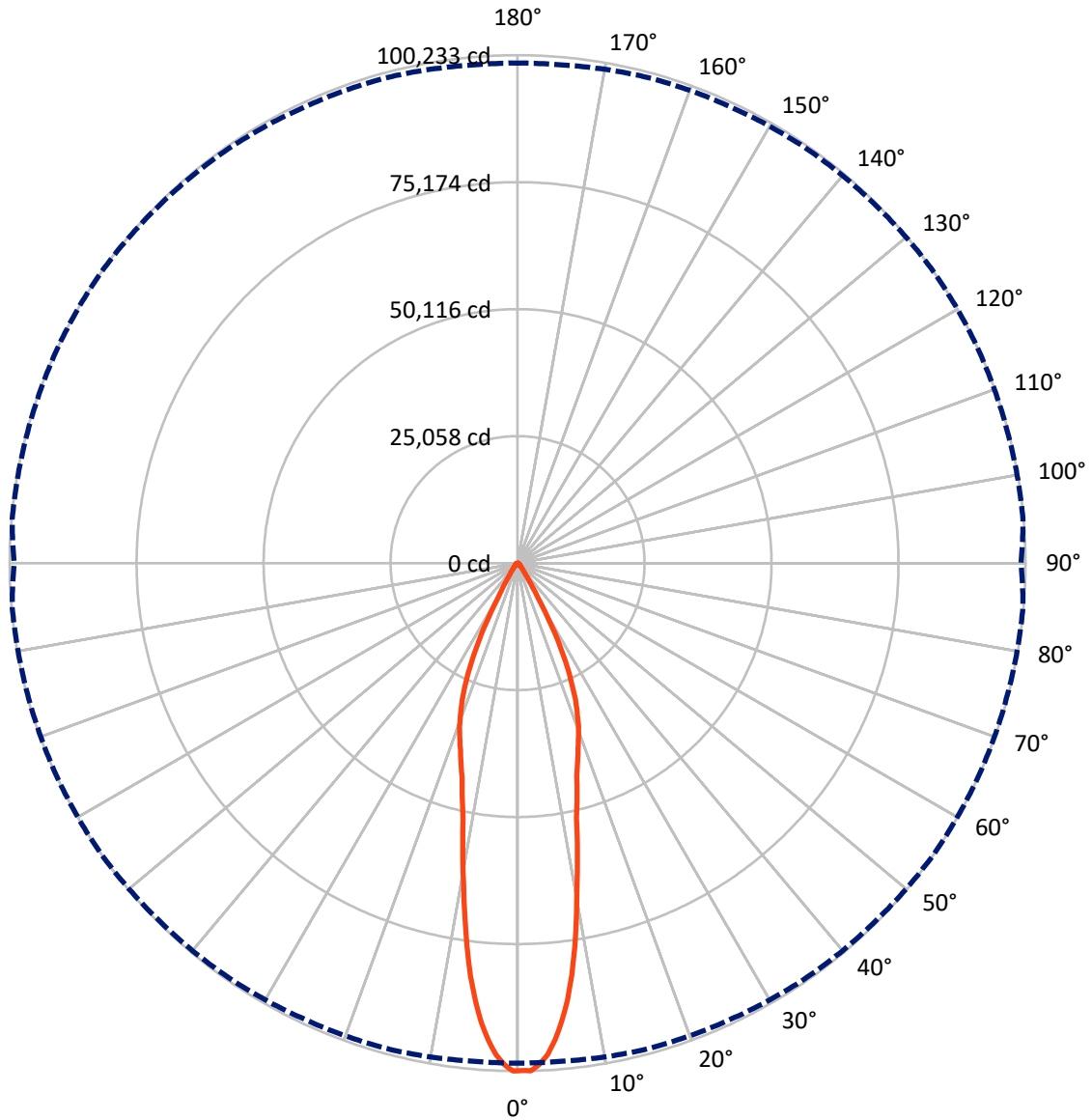
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 250.3 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	16677.9	0.0	16677.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16677.9	0.0	16677.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33355.8	0.0	33355.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7617.5	22.8
10°-20°	12441.4	37.3
20°-30°	9722.1	29.1
30°-40°	2119.1	6.4
40°-50°	627.4	1.9
50°-60°	392.4	1.2
60°-70°	274.4	0.8
70°-80°	117.8	0.4
80°-90°	43.5	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°	33355.8	100.0
0°-180°	33355.8	100.0



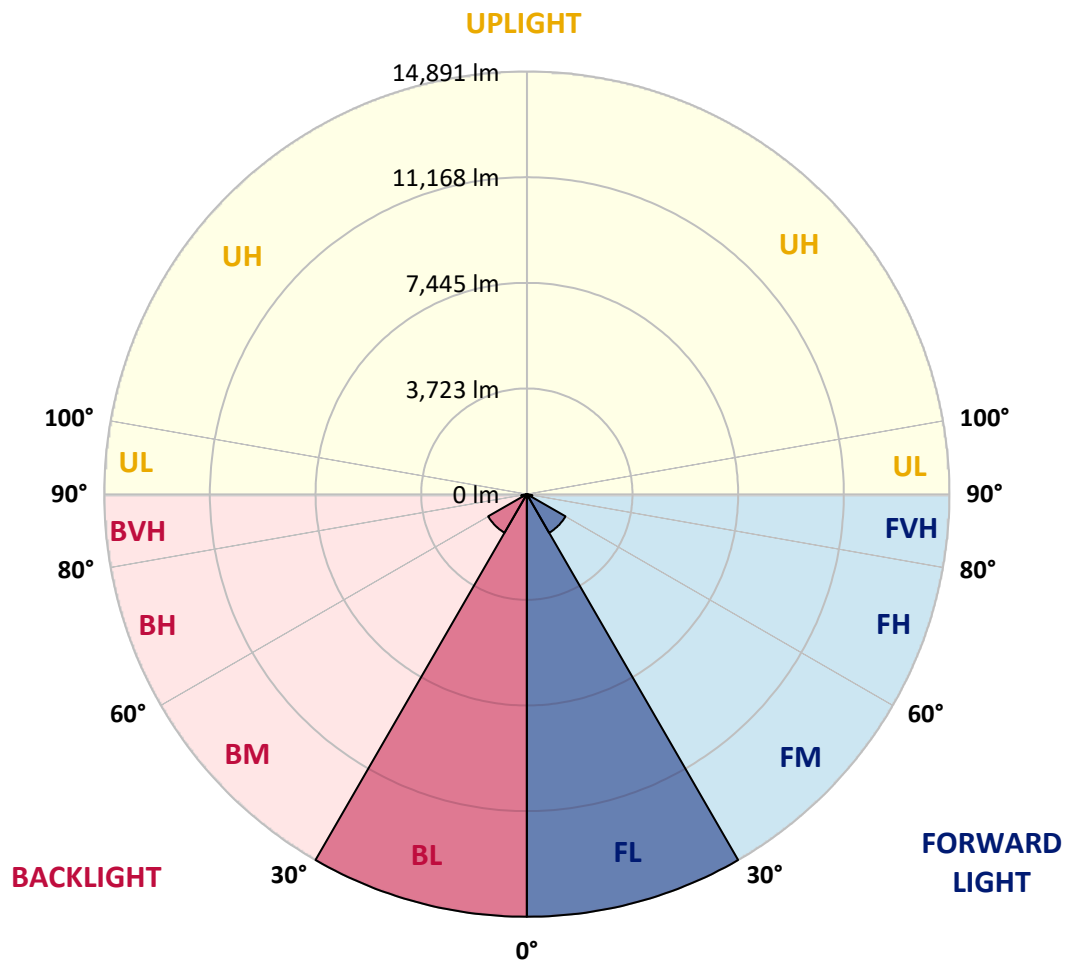
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14890.5	44.6			
FM (30°-60°)	1569.5	4.7			
FH (60°-80°)	196.1	0.6			G0/660
FVH (80°-90°)	21.8	0.1			G1/100
BL (0°-30°)	14890.5	44.6	B5		
BM (30°-60°)	1569.5	4.7	B2/2500		
BH (60°-80°)	196.1	0.6	B1/500		G0/660
BVH (80°-90°)	21.8	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°	100117.7	100117.7	100117.7	100117.7	100117.7	100117.7	100117.7	100117.7	100117.7	100117.7
1°	98668.5	98680.6	99218.0	99338.8	99707.1	99894.3	100232.5	100196.2	100093.6	100105.7
2°	96850.9	96772.4	97273.6	97829.2	98270.0	98632.3	99036.9	99121.4	99024.8	99115.4
3°	93861.9	93747.2	94447.6	95142.1	95908.9	96530.9	97140.8	97164.9	97050.2	97044.2
4°	89930.9	89719.5	90552.8	91790.7	92756.9	93584.1	94345.0	94332.9	94175.9	94302.7
5°	85178.6	84912.9	85993.8	87624.2	89055.3	90051.6	90891.0	90691.7	90329.4	90347.5
6°	79345.4	79605.1	80927.5	83216.1	84906.9	85734.1	86766.7	86392.3	85764.3	85697.9
7°	73862.5	74448.2	75505.0	78264.5	80275.3	81144.9	82020.5	81265.7	80414.2	80275.3
8°	68089.7	69068.0	70529.3	73071.5	75215.1	76090.7	76422.8	75613.7	74701.8	74665.6
9°	63409.9	64080.2	65336.2	67576.5	69756.3	70342.1	70414.5	69708.0	68796.2	68856.6
10°	59152.8	59279.6	60366.5	62292.8	64037.9	64454.6	64436.5	63923.2	63174.4	63373.7
12.5°	49624.1	49968.3	50282.3	50898.2	51484.0	51755.7	51653.0	51441.7	51031.1	51049.2
15°	43156.9	43150.9	43187.1	43470.9	43646.0	43676.2	43676.2	43410.5	43235.4	43495.1
17.5°	37450.6	37764.6	38326.1	38555.6	38785.1	38700.5	38543.5	38422.8	38308.0	38531.4
20°	33012.3	33151.2	33157.2	33308.2	34467.6	34527.9	34328.7	33984.5	33694.6	33640.3
22.5°	28018.5	28229.8	28320.4	28453.2	28574.0	29455.6	29220.1	28664.6	28320.4	28217.7
25°	21032.0	20959.5	21551.3	22638.2	22813.3	22922.0	22861.6	22571.8	22348.4	22390.6
27.5°	14534.6	14661.4	14637.2	14649.3	15802.7	15796.6	15778.5	15524.9	15458.5	15361.9
30°	8127.8	8067.4	8097.6	8019.1	7856.0	8055.3	7735.3	8007.0	7741.3	7825.9
32.5°	4806.6	4764.3	4722.1	4740.2	4619.4	4323.5	4196.7	4383.9	4323.5	4299.4
35°	3067.5	3085.7	3140.0	3134.0	3025.3	2856.2	2675.0	2844.1	2820.0	2747.5
37.5°	1956.5	1956.5	1974.6	2131.6	2041.0	1896.1	1769.3	1841.7	1835.7	1823.6
40°	1388.8	1388.8	1413.0	1455.3	1407.0	1334.5	1262.0	1262.0	1274.1	1237.9
42.5°	1032.6	1032.6	1056.7	1080.9	1020.5	996.3	960.1	936.0	966.2	936.0
45°	809.2	803.1	809.2	797.1	760.8	760.8	730.7	694.4	730.7	712.5
47.5°	664.2	658.2	652.2	628.0	591.8	597.8	585.7	555.5	573.7	567.6
50°	579.7	567.6	573.7	549.5	519.3	513.3	513.3	483.1	489.1	489.1
52.5°	507.2	507.2	501.2	489.1	477.0	452.9	458.9	428.7	428.7	428.7
55°	477.0	477.0	465.0	440.8	446.8	428.7	410.6	392.5	386.5	386.5
57.5°	471.0	471.0	465.0	440.8	422.7	416.7	392.5	368.3	350.2	356.3
60°	458.9	458.9	446.8	440.8	410.6	398.5	362.3	344.2	320.0	320.0
62.5°	440.8	434.8	410.6	374.4	374.4	344.2	320.0	283.8	265.7	259.7
65°	374.4	368.3	350.2	320.0	301.9	283.8	247.6	211.3	199.3	181.2
67.5°	308.0	308.0	295.9	265.7	253.6	229.5	187.2	163.0	132.8	120.8
70°	253.6	253.6	241.5	223.4	211.3	181.2	144.9	120.8	90.6	78.5
72.5°	205.3	205.3	193.2	181.2	169.1	151.0	120.8	90.6	60.4	48.3
75°	163.0	163.0	157.0	144.9	132.8	120.8	96.6	72.5	42.3	24.2
77.5°	132.8	132.8	126.8	120.8	108.7	96.6	78.5	60.4	30.2	12.1
80°	102.7	102.7	102.7	102.7	90.6	78.5	66.4	48.3	24.2	6.0
82.5°	72.5	72.5	78.5	90.6	72.5	60.4	60.4	48.3	18.1	6.0
85°	48.3	54.3	60.4	54.3	48.3	48.3	84.5	78.5	18.1	6.0
87.5°	24.2	24.2	24.2	24.2	24.2	18.1	24.2	18.1	12.1	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°  

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100117.7  
99362.9  
98402.8  
96518.8  
93704.9  
89465.9  
84816.3  
79617.2  
73343.2  
67956.9  
62673.2  
50451.4  
42891.2  
38018.2  
33290.1  
27849.4  
22245.7  
15011.6  
7928.5  
4239.0  
2669.0  
1799.5  
1225.8  
929.9  
712.5  
567.6  
495.2  
428.7  
380.4  
356.3  
301.9  
247.6  
175.1  
114.7  
72.5  
42.3  
18.1  
12.1  
6.0  
6.0  
6.0  
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