

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: P636327

Luminaire Tested: **IFLD-L-SA8A-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636327  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-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: 20496.7 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

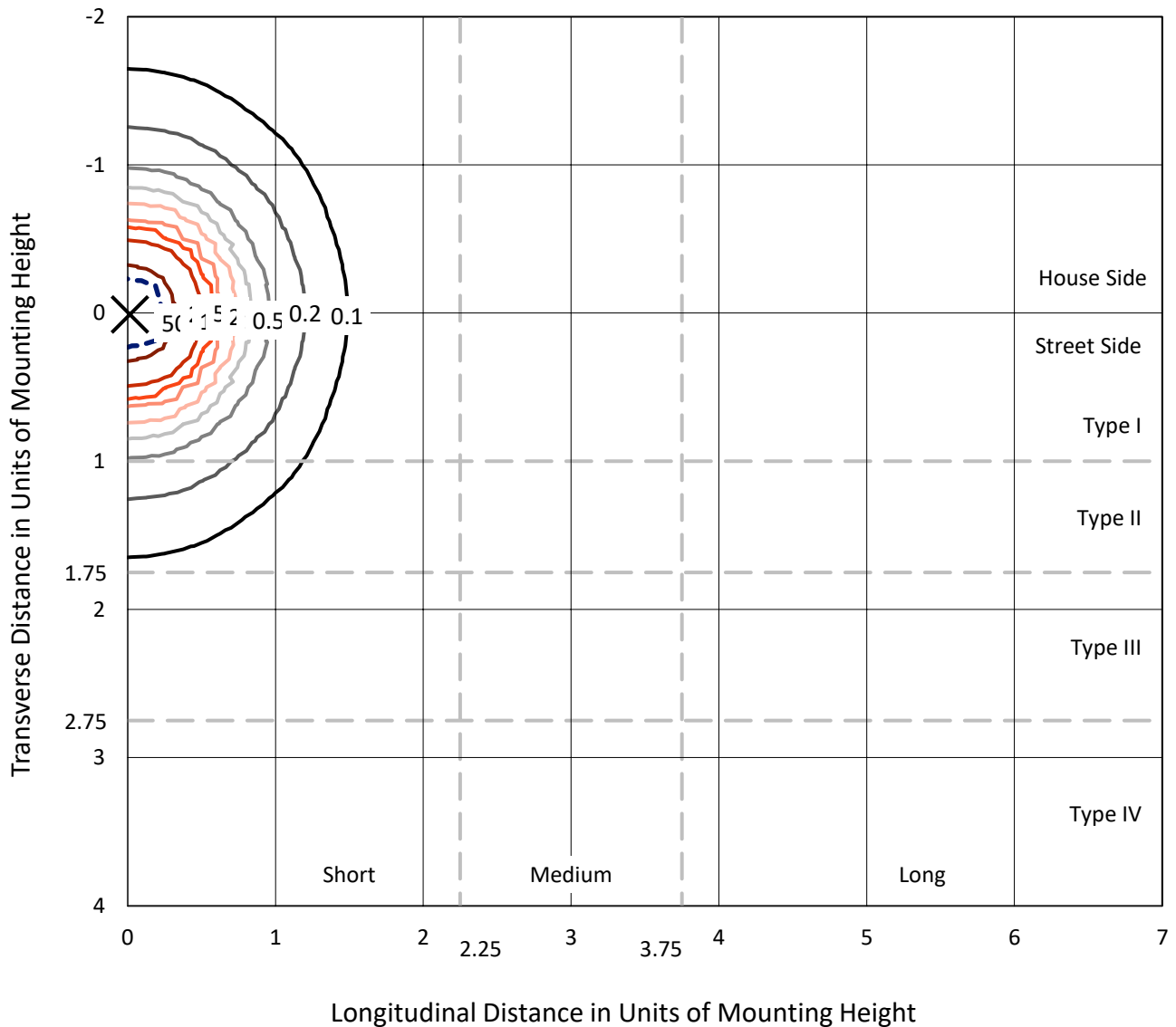
Input Watts (W): 247.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

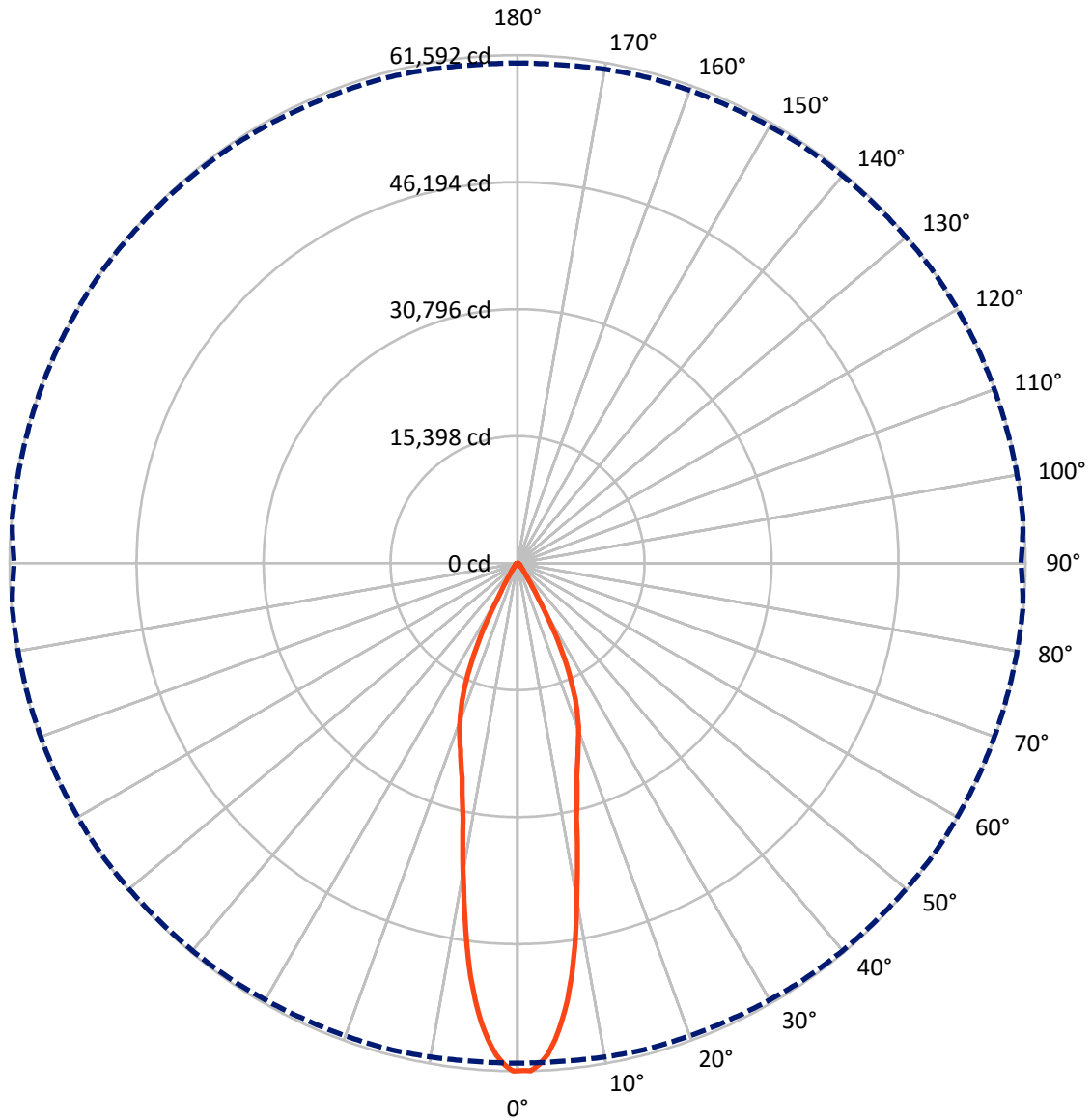
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 153.8 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	10248.4	0.0	10248.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10248.4	0.0	10248.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20496.7	0.0	20496.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4680.9	22.8
10°-20°	7645.1	37.3
20°-30°	5974.1	29.1
30°-40°	1302.2	6.4
40°-50°	385.5	1.9
50°-60°	241.1	1.2
60°-70°	168.6	0.8
70°-80°	72.4	0.4
80°-90°	26.7	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°	20496.7	100.0
0°-180°	20496.7	100.0



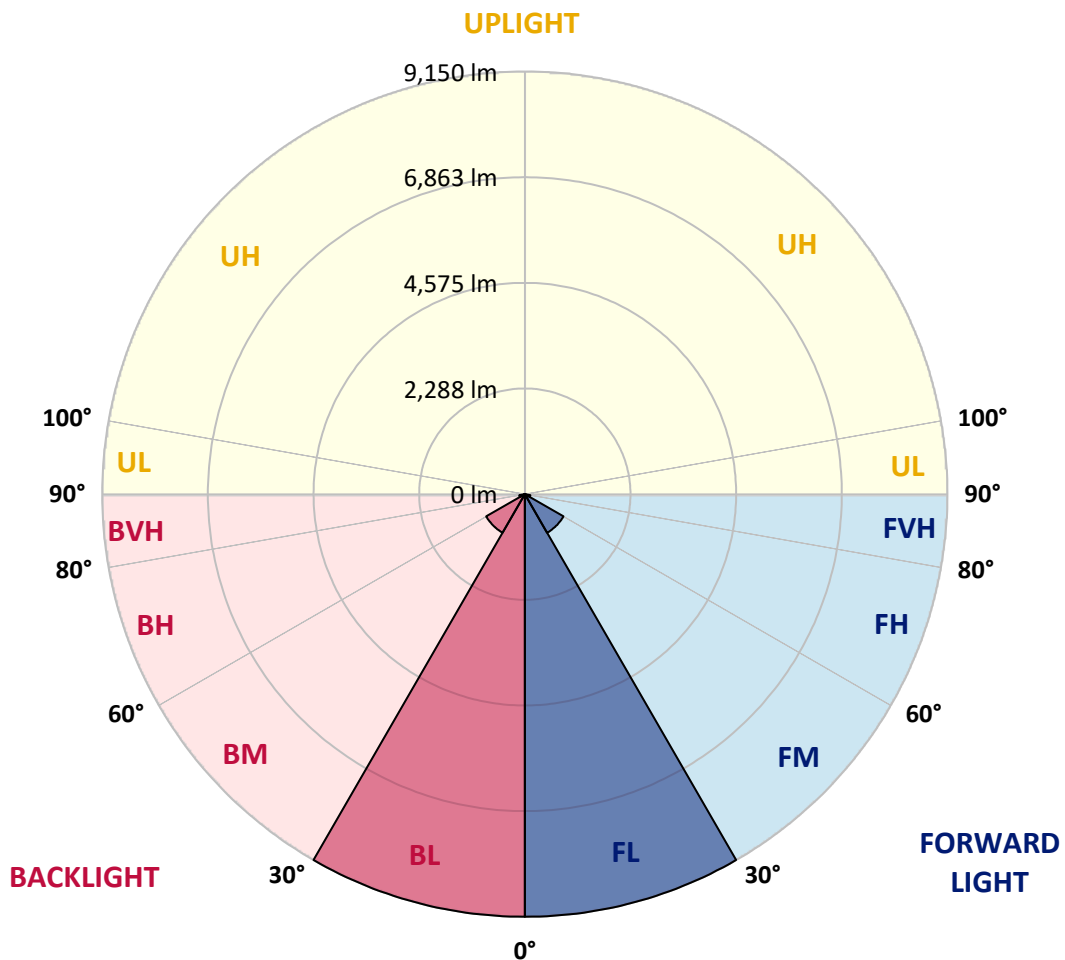
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9150.1	44.6			
FM (30°-60°)	964.4	4.7			
FH (60°-80°)	120.5	0.6			G0/660
FVH (80°-90°)	13.4	0.1			G1/100
BL (0°-30°)	9150.1	44.6	B5		
BM (30°-60°)	964.4	4.7	B1/1000		
BH (60°-80°)	120.5	0.6	B1/500		G0/660
BVH (80°-90°)	13.4	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°	61521.1	61521.1	61521.1	61521.1	61521.1	61521.1	61521.1	61521.1	61521.1	61521.1
1°	60630.6	60638.0	60968.2	61042.4	61268.8	61383.8	61591.6	61569.3	61506.3	61513.7
2°	59513.7	59465.5	59773.4	60114.8	60385.7	60608.3	60856.9	60908.9	60849.5	60905.2
3°	57677.0	57606.5	58036.9	58463.6	58934.8	59317.0	59691.8	59706.6	59636.1	59632.4
4°	55261.4	55131.5	55643.6	56404.2	56997.9	57506.3	57973.8	57966.4	57869.9	57947.8
5°	52341.2	52177.9	52842.1	53844.0	54723.4	55335.6	55851.4	55728.9	55506.3	55517.4
6°	48756.8	48916.3	49728.9	51135.2	52174.2	52682.6	53317.1	53087.0	52701.1	52660.3
7°	45387.6	45747.5	46396.9	48092.6	49328.2	49862.5	50400.6	49936.7	49413.5	49328.2
8°	41840.3	42441.4	43339.4	44901.5	46218.8	46756.8	46960.9	46463.7	45903.4	45881.1
9°	38964.6	39376.5	40148.3	41524.9	42864.4	43224.3	43268.9	42834.7	42274.4	42311.5
10°	36348.7	36426.6	37094.5	38278.2	39350.5	39606.5	39595.4	39280.0	38819.9	38942.3
12.5°	30493.4	30704.9	30897.8	31276.3	31636.2	31803.2	31740.1	31610.3	31358.0	31369.1
15°	26519.4	26515.7	26537.9	26712.3	26819.9	26838.5	26838.5	26675.2	26567.6	26727.2
17.5°	23012.9	23205.9	23550.9	23691.9	23832.9	23781.0	23684.5	23610.3	23539.8	23677.1
20°	20285.6	20371.0	20374.7	20467.5	21179.9	21217.0	21094.5	20883.0	20704.9	20671.5
22.5°	17217.0	17346.9	17402.5	17484.2	17558.4	18100.1	17955.4	17614.0	17402.5	17339.5
25°	12923.9	12879.4	13243.0	13910.9	14018.5	14085.3	14048.2	13870.1	13732.8	13758.8
27.5°	8931.3	9009.2	8994.4	9001.8	9710.5	9706.8	9695.7	9539.9	9499.0	9439.7
30°	4994.4	4957.3	4975.9	4927.6	4827.4	4949.9	4753.2	4920.2	4756.9	4808.9
32.5°	2953.6	2927.6	2901.7	2912.8	2838.6	2656.8	2578.8	2693.9	2656.8	2641.9
35°	1885.0	1896.1	1929.5	1925.8	1859.0	1755.1	1643.8	1747.7	1732.8	1688.3
37.5°	1202.2	1202.2	1213.4	1309.8	1254.2	1165.1	1087.2	1131.7	1128.0	1120.6
40°	853.4	853.4	868.3	894.2	864.6	820.0	775.5	775.5	782.9	760.7
42.5°	634.5	634.5	649.3	664.2	627.1	612.2	590.0	575.1	593.7	575.1
45°	497.2	493.5	497.2	489.8	467.5	467.5	449.0	426.7	449.0	437.8
47.5°	408.2	404.5	400.7	385.9	363.6	367.3	359.9	341.4	352.5	348.8
50°	356.2	348.8	352.5	337.7	319.1	315.4	315.4	296.8	300.6	300.6
52.5°	311.7	311.7	308.0	300.6	293.1	278.3	282.0	263.4	263.4	263.4
55°	293.1	293.1	285.7	270.9	274.6	263.4	252.3	241.2	237.5	237.5
57.5°	289.4	289.4	285.7	270.9	259.7	256.0	241.2	226.3	215.2	218.9
60°	282.0	282.0	274.6	270.9	252.3	244.9	222.6	211.5	196.7	196.7
62.5°	270.9	267.2	252.3	230.1	230.1	211.5	196.7	174.4	163.3	159.6
65°	230.1	226.3	215.2	196.7	185.5	174.4	152.1	129.9	122.4	111.3
67.5°	189.2	189.2	181.8	163.3	155.8	141.0	115.0	100.2	81.6	74.2
70°	155.8	155.8	148.4	137.3	129.9	111.3	89.1	74.2	55.7	48.2
72.5°	126.2	126.2	118.7	111.3	103.9	92.8	74.2	55.7	37.1	29.7
75°	100.2	100.2	96.5	89.1	81.6	74.2	59.4	44.5	26.0	14.8
77.5°	81.6	81.6	77.9	74.2	66.8	59.4	48.2	37.1	18.6	7.4
80°	63.1	63.1	63.1	63.1	55.7	48.2	40.8	29.7	14.8	3.7
82.5°	44.5	44.5	48.2	55.7	44.5	37.1	37.1	29.7	11.1	3.7
85°	29.7	33.4	37.1	33.4	29.7	29.7	51.9	48.2	11.1	3.7
87.5°	14.8	14.8	14.8	14.8	14.8	11.1	14.8	11.1	7.4	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°  
61521.1  
**61057.3**  
60467.3  
59309.6  
57580.5  
54975.7  
52118.5  
48923.8  
45068.5  
41758.7  
38511.9  
31001.7  
26356.1  
23361.7  
20456.3  
17113.1  
13669.7  
9224.5  
4872.0  
2604.8  
1640.1  
1105.7  
753.2  
571.4  
437.8  
348.8  
304.3  
263.4  
233.8  
218.9  
185.5  
152.1  
107.6  
70.5  
44.5  
26.0  
11.1  
7.4  
3.7  
3.7  
3.7  
0.0  
0.0

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