

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: P636096

Luminaire Tested: **IFLD-L-SA8B-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636096  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27944.9 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

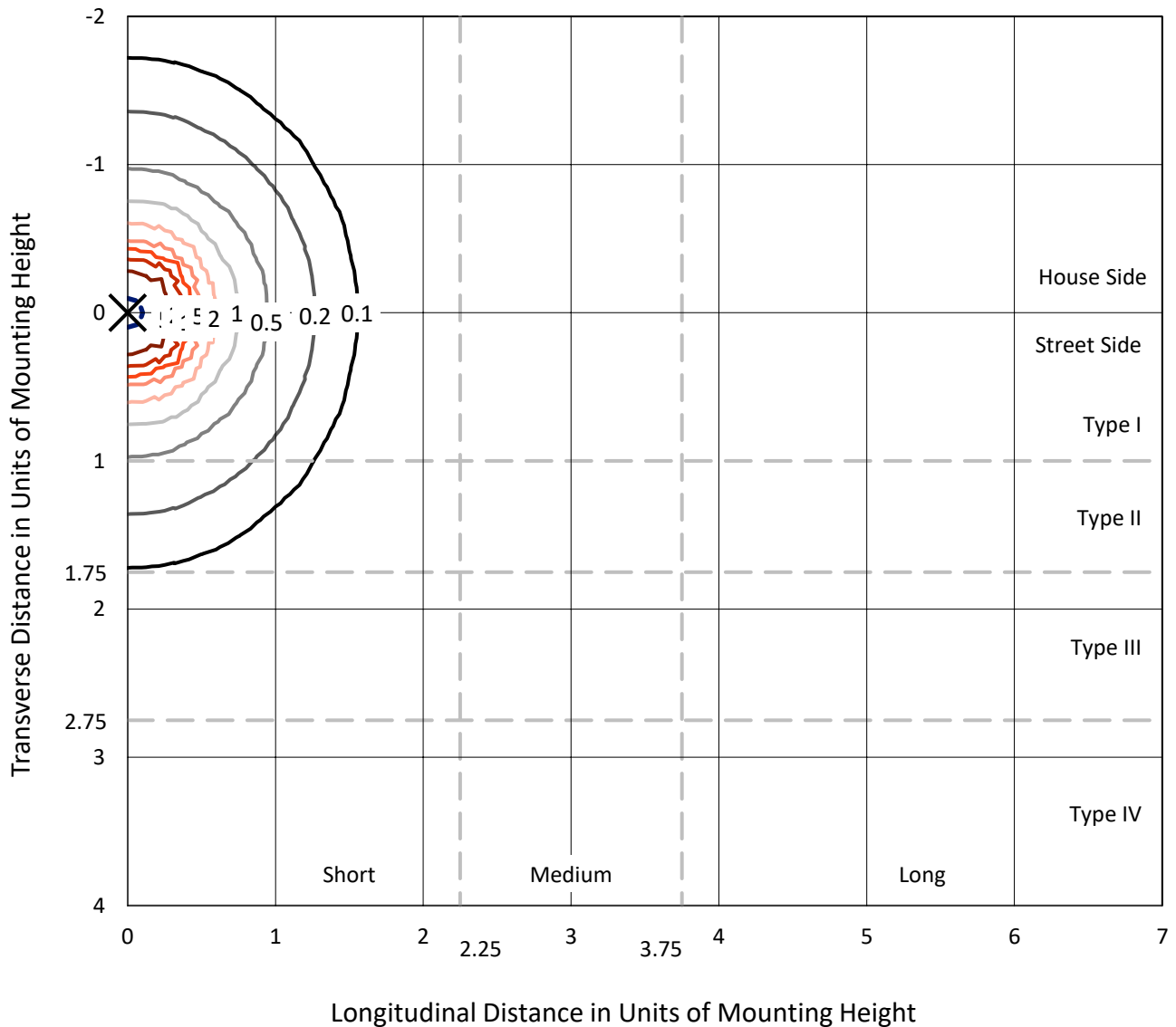
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

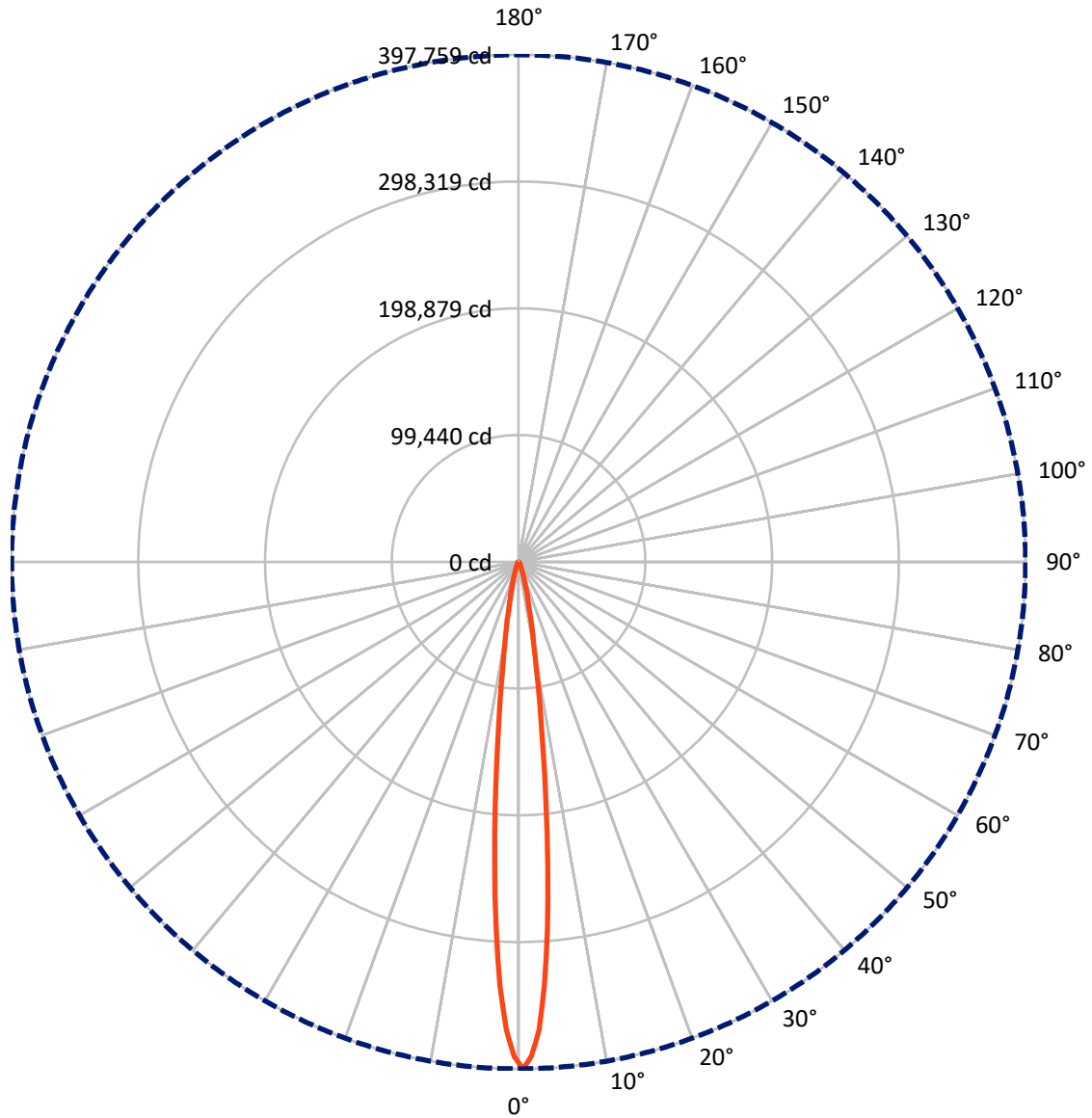
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 994.4 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	13972.4	0.0	13972.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13972.4	0.0	13972.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27944.9	0.0	27944.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17034.7	61.0
10°-20°	7631.6	27.3
20°-30°	1704.3	6.1
30°-40°	556.3	2.0
40°-50°	383.7	1.4
50°-60°	289.8	1.0
60°-70°	198.4	0.7
70°-80°	104.5	0.4
80°-90°	41.7	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°	27944.9	100.0
0°-180°	27944.9	100.0

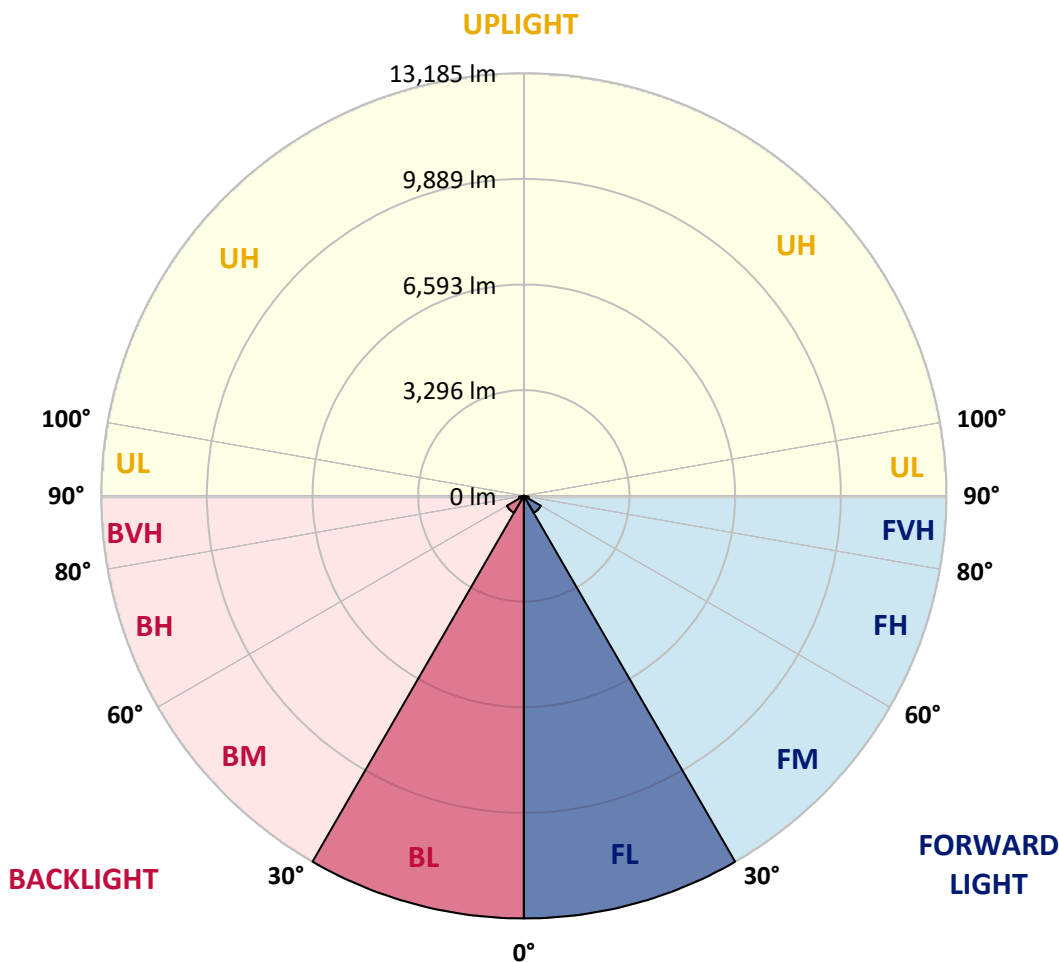


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13185.3	47.2			
FM (30°-60°)	614.9	2.2			
FH (60°-80°)	151.4	0.5			G0/660
FVH (80°-90°)	20.8	0.1			G1/100
BL (0°-30°)	13185.3	47.2	B5		
BM (30°-60°)	614.9	2.2	B1/1000		
BH (60°-80°)	151.4	0.5	B1/500		G0/660
BVH (80°-90°)	20.8	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°	397758.6	397758.6	397758.6	397758.6	397758.6	397758.6	397758.6	397758.6	397758.6	397758.6
1°	387883.2	388410.8	387823.5	390790.1	392014.6	392651.7	392726.3	394398.8	393109.6	393468.0
2°	367440.5	368615.2	366649.1	368550.5	372353.4	373791.9	371447.4	374344.4	373309.0	373911.3
3°	333090.7	334529.2	331811.5	334136.0	339028.9	340123.9	336281.3	340397.7	340293.1	341159.2
4°	288815.6	291150.1	287267.6	290020.2	292185.4	295998.2	292275.0	296958.9	296869.3	298372.5
5°	238557.6	241081.2	237706.5	240563.6	242614.3	244032.9	242669.0	247850.6	248179.2	249732.1
6°	189379.7	191734.1	187966.1	190693.8	193944.1	194526.5	194173.1	198632.9	199623.4	198413.9
7°	145746.8	146334.1	145741.8	148220.6	150828.8	150923.4	151381.3	155303.6	156174.7	155756.6
8°	111620.9	108933.0	111242.6	112556.7	113363.0	117066.3	117340.1	119316.1	120918.9	121033.4
9°	84966.3	82477.5	85150.4	85673.1	87524.7	90814.9	90401.7	92562.0	93567.4	93502.7
10°	64777.4	63513.2	64852.1	65429.5	66952.6	69740.0	70222.9	71213.4	71960.0	72447.8
12.5°	35151.2	35444.9	36221.4	36828.7	38879.4	39621.1	39919.7	40004.3	39999.4	40079.0
15°	21836.4	22075.3	22617.9	23717.9	24967.2	25888.1	26017.5	25539.7	25126.5	25061.8
17.5°	13618.5	13523.9	14798.2	16002.7	17505.9	17983.8	17486.0	16938.5	16376.0	16052.5
20°	8173.1	8237.8	8670.8	9208.4	10422.9	11249.2	10731.5	10174.1	9591.7	9208.4
22.5°	4644.0	4713.7	4902.9	5181.6	5644.5	6396.1	6067.6	5505.1	5092.0	4922.8
25°	2742.6	2742.6	2857.1	2981.5	3175.7	3349.9	3280.2	2981.5	2737.6	2668.0
27.5°	1777.0	1762.0	1801.9	1861.6	1951.2	1961.1	1881.5	1791.9	1667.5	1622.7
30°	1299.1	1304.1	1299.1	1324.0	1319.0	1284.2	1234.4	1239.4	1189.6	1184.6
32.5°	1055.2	1060.2	1060.2	1055.2	1030.3	975.6	940.8	975.6	965.6	955.7
35°	876.0	881.0	930.8	925.8	886.0	826.3	801.4	841.2	871.1	826.3
37.5°	756.6	761.6	801.4	821.3	771.5	731.7	701.8	736.7	781.5	731.7
40°	667.0	672.0	681.9	686.9	662.0	642.1	627.2	637.1	657.0	632.1
42.5°	587.3	582.4	587.3	582.4	552.5	562.5	552.5	537.6	552.5	532.6
45°	512.7	512.7	512.7	497.8	467.9	487.8	477.8	462.9	467.9	453.0
47.5°	467.9	467.9	467.9	448.0	423.1	423.1	428.1	403.2	408.2	403.2
50°	423.1	423.1	433.0	413.1	393.2	378.3	383.3	363.4	368.3	363.4
52.5°	388.2	388.2	388.2	378.3	363.4	353.4	343.4	333.5	328.5	323.5
55°	373.3	373.3	368.3	338.5	333.5	323.5	303.6	298.7	288.7	283.7
57.5°	348.4	348.4	343.4	318.6	298.7	298.7	268.8	263.8	248.9	248.9
60°	308.6	308.6	303.6	298.7	273.8	258.8	238.9	229.0	214.0	209.1
62.5°	293.7	293.7	283.7	258.8	253.9	229.0	209.1	189.1	179.2	169.2
65°	273.8	268.8	263.8	238.9	219.0	204.1	179.2	154.3	144.3	124.4
67.5°	243.9	243.9	238.9	219.0	199.1	174.2	149.3	129.4	104.5	89.6
70°	214.0	209.1	209.1	189.1	174.2	154.3	119.5	99.6	74.7	59.7
72.5°	179.2	179.2	174.2	159.3	149.3	134.4	104.5	79.6	49.8	39.8
75°	144.3	144.3	139.4	129.4	124.4	109.5	89.6	69.7	39.8	19.9
77.5°	119.5	114.5	114.5	104.5	99.6	89.6	74.7	54.8	29.9	14.9
80°	89.6	89.6	94.6	89.6	79.6	74.7	64.7	49.8	24.9	10.0
82.5°	64.7	64.7	69.7	69.7	69.7	64.7	64.7	49.8	24.9	5.0
85°	44.8	44.8	54.8	49.8	49.8	54.8	79.6	64.7	19.9	5.0
87.5°	24.9	24.9	24.9	19.9	19.9	24.9	29.9	24.9	10.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
397758.6  
390834.9  
371761.0  
338834.7  
295734.4  
246765.5  
198538.3  
155184.1  
119589.9  
95025.8  
72736.5  
40143.7  
24862.7  
16002.7  
9293.0  
4942.7  
2658.0  
1622.7  
1179.7  
935.8  
816.3  
726.7  
622.2  
532.6  
453.0  
403.2  
363.4  
323.5  
278.7  
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