

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: P636328

Luminaire Tested: **IFLD-L-SA8B-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636328  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-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: 24351.5 lumens  
Efficiency: N/A  
Efficacy: 76.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

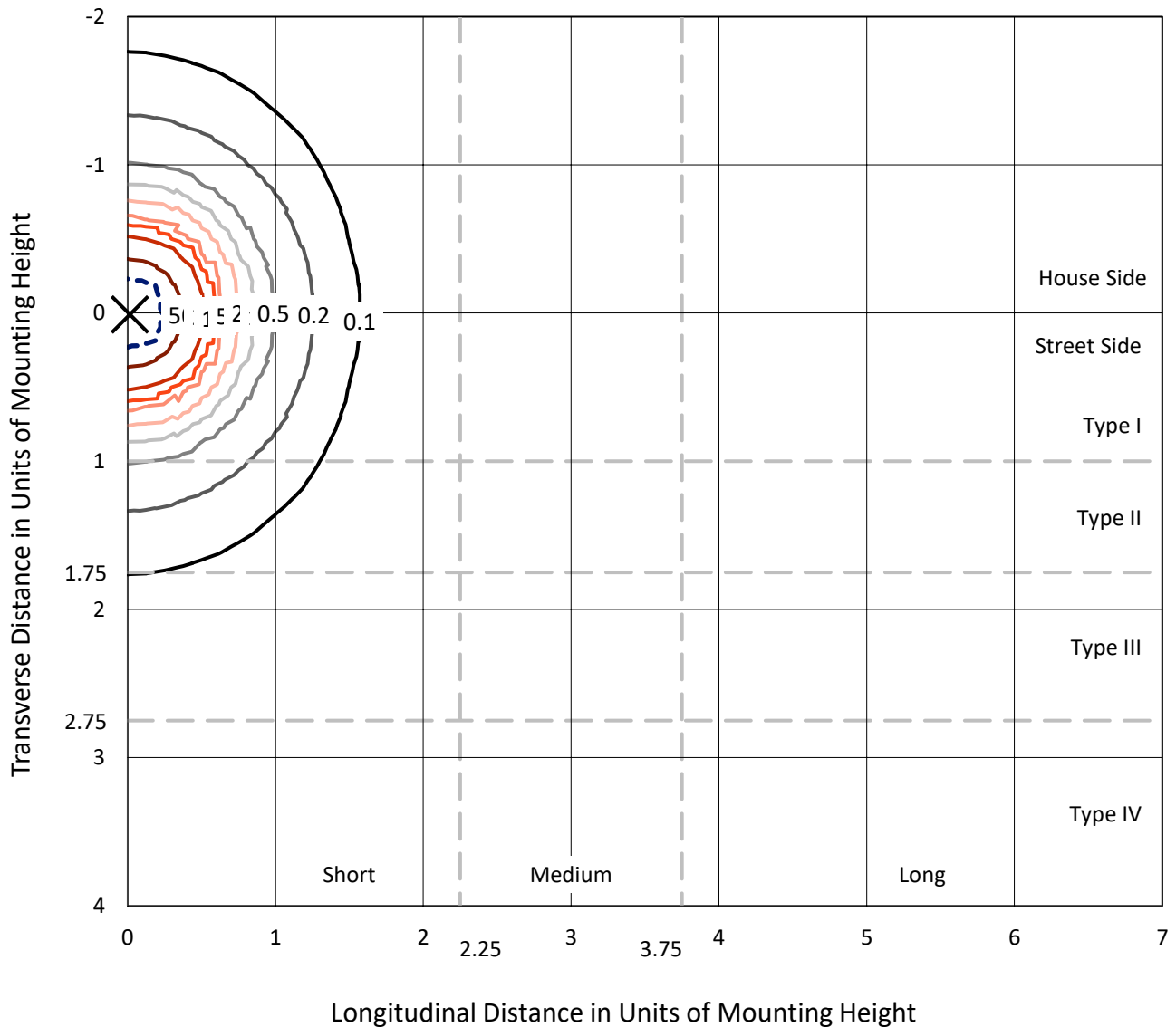
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

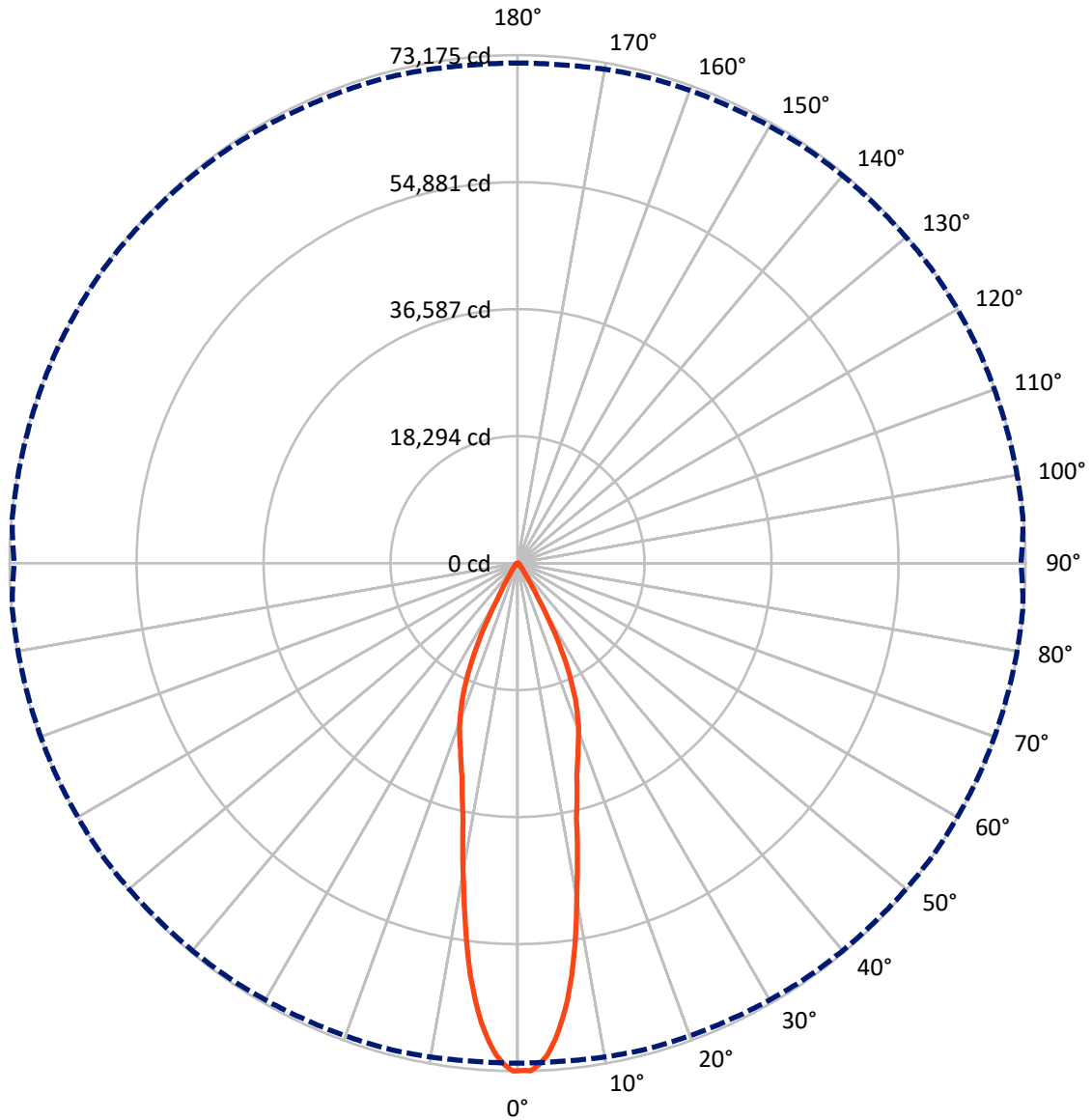
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 182.7 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	12175.7	0.0	12175.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12175.7	0.0	12175.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24351.5	0.0	24351.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5561.2	22.8
10°-20°	9082.9	37.3
20°-30°	7097.7	29.1
30°-40°	1547.1	6.4
40°-50°	458.1	1.9
50°-60°	286.5	1.2
60°-70°	200.4	0.8
70°-80°	86.0	0.4
80°-90°	31.8	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°	24351.5	100.0
0°-180°	24351.5	100.0



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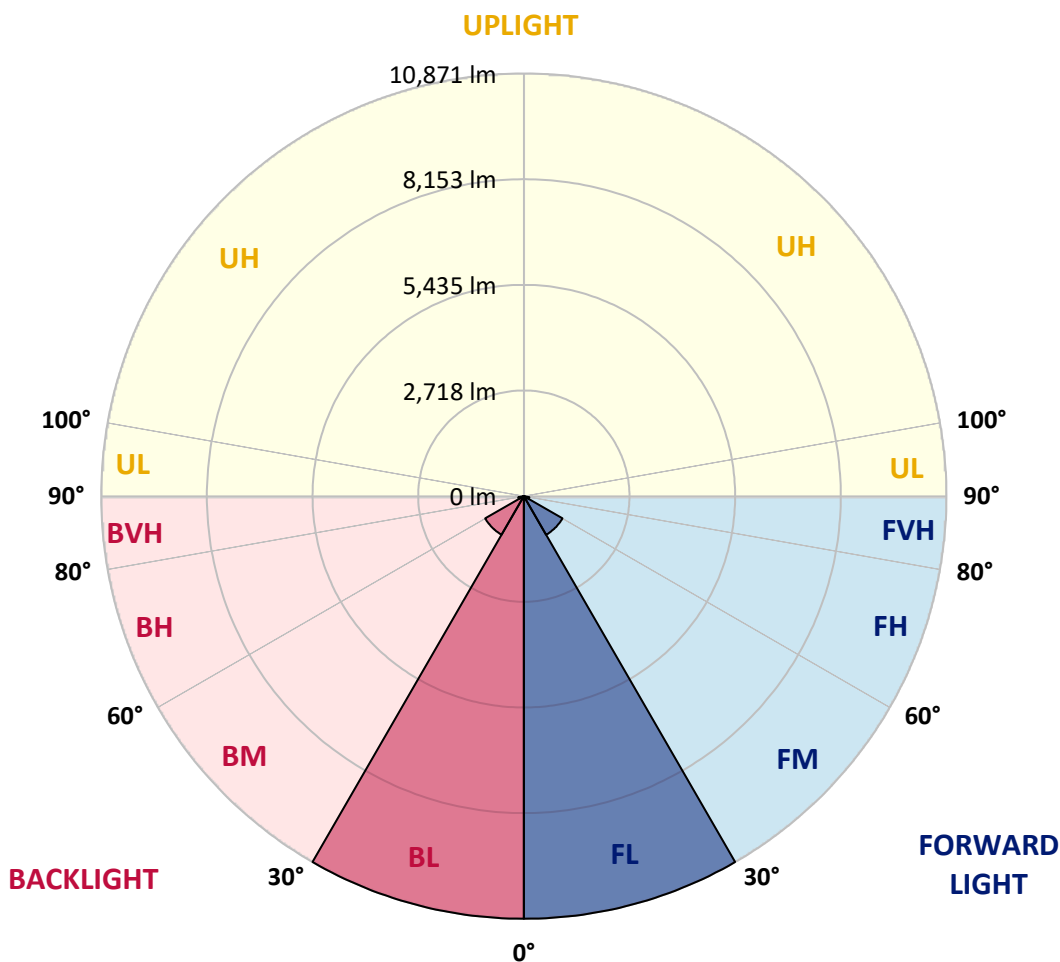
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10870.9	44.6			
FM (30°-60°)	1145.8	4.7			
FH (60°-80°)	143.2	0.6			G0/660
FVH (80°-90°)	15.9	0.1			G1/100
BL (0°-30°)	10870.9	44.6	B5		
BM (30°-60°)	1145.8	4.7	B2/2500		
BH (60°-80°)	143.2	0.6	B1/500		G0/660
BVH (80°-90°)	15.9	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°	73091.2	73091.2	73091.2	73091.2	73091.2	73091.2	73091.2	73091.2	73091.2	73091.2
1°	72033.1	72042.0	72434.3	72522.5	72791.4	72928.0	73174.9	73148.5	73073.5	73082.3
2°	70706.2	70648.9	71014.8	71420.4	71742.2	72006.7	72302.1	72363.8	72293.2	72359.4
3°	68524.1	68440.3	68951.7	69458.6	70018.5	70472.6	70917.8	70935.5	70851.7	70847.3
4°	65654.2	65499.9	66108.3	67012.0	67717.3	68321.3	68876.7	68867.9	68753.3	68845.9
5°	62184.8	61990.8	62779.9	63970.2	65015.0	65742.4	66355.1	66209.7	65945.2	65958.4
6°	57926.3	58115.8	59081.3	60752.1	61986.4	62590.4	63344.2	63070.9	62612.4	62563.9
7°	53923.5	54351.1	55122.5	57137.2	58605.2	59240.0	59879.2	59328.2	58706.6	58605.2
8°	49709.0	50423.2	51490.0	53346.0	54910.9	55550.2	55792.6	55201.9	54536.2	54509.8
9°	46292.5	46781.9	47698.8	49334.3	50925.8	51353.4	51406.3	50890.5	50224.8	50268.9
10°	43184.6	43277.2	44070.7	45477.0	46751.0	47055.2	47042.0	46667.3	46120.6	46266.1
12.5°	36228.2	36479.5	36708.7	37158.3	37586.0	37784.3	37709.4	37555.1	37255.3	37268.6
15°	31506.8	31502.4	31528.8	31736.0	31863.9	31885.9	31885.9	31691.9	31564.1	31753.7
17.5°	27340.9	27570.1	27980.1	28147.6	28315.1	28253.4	28138.8	28050.6	27966.8	28130.0
20°	24100.7	24202.1	24206.5	24316.7	25163.1	25207.2	25061.7	24810.4	24598.8	24559.2
22.5°	20454.9	20609.2	20675.4	20772.3	20860.5	21504.1	21332.2	20926.6	20675.4	20600.4
25°	15354.4	15301.5	15733.6	16527.1	16654.9	16734.3	16690.2	16478.6	16315.5	16346.3
27.5°	10611.0	10703.6	10685.9	10694.8	11536.8	11532.4	11519.1	11334.0	11285.5	11215.0
30°	5933.7	5889.6	5911.7	5854.3	5735.3	5880.8	5647.2	5845.5	5651.6	5713.3
32.5°	3509.1	3478.2	3447.4	3460.6	3372.4	3156.4	3063.8	3200.5	3156.4	3138.8
35°	2239.5	2252.7	2292.4	2288.0	2208.6	2085.2	1952.9	2076.4	2058.7	2005.8
37.5°	1428.3	1428.3	1441.5	1556.2	1490.0	1384.2	1291.7	1344.6	1340.2	1331.3
40°	1013.9	1013.9	1031.6	1062.4	1027.2	974.3	921.4	921.4	930.2	903.7
42.5°	753.8	753.8	771.5	789.1	745.0	727.4	700.9	683.3	705.3	683.3
45°	590.7	586.3	590.7	581.9	555.5	555.5	533.4	507.0	533.4	520.2
47.5°	484.9	480.5	476.1	458.5	432.0	436.4	427.6	405.6	418.8	414.4
50°	423.2	414.4	418.8	401.2	379.1	374.7	374.7	352.7	357.1	357.1
52.5°	370.3	370.3	365.9	357.1	348.3	330.6	335.0	313.0	313.0	313.0
55°	348.3	348.3	339.4	321.8	326.2	313.0	299.8	286.5	282.1	282.1
57.5°	343.9	343.9	339.4	321.8	308.6	304.2	286.5	268.9	255.7	260.1
60°	335.0	335.0	326.2	321.8	299.8	291.0	264.5	251.3	233.6	233.6
62.5°	321.8	317.4	299.8	273.3	273.3	251.3	233.6	207.2	194.0	189.6
65°	273.3	268.9	255.7	233.6	220.4	207.2	180.7	154.3	145.5	132.3
67.5°	224.8	224.8	216.0	194.0	185.2	167.5	136.7	119.0	97.0	88.2
70°	185.2	185.2	176.3	163.1	154.3	132.3	105.8	88.2	66.1	57.3
72.5°	149.9	149.9	141.1	132.3	123.4	110.2	88.2	66.1	44.1	35.3
75°	119.0	119.0	114.6	105.8	97.0	88.2	70.5	52.9	30.9	17.6
77.5°	97.0	97.0	92.6	88.2	79.4	70.5	57.3	44.1	22.0	8.8
80°	74.9	74.9	74.9	74.9	66.1	57.3	48.5	35.3	17.6	4.4
82.5°	52.9	52.9	57.3	66.1	52.9	44.1	44.1	35.3	13.2	4.4
85°	35.3	39.7	44.1	39.7	35.3	35.3	61.7	57.3	13.2	4.4
87.5°	17.6	17.6	17.6	17.6	17.6	13.2	17.6	13.2	8.8	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°  
73091.2  
*72540.1*  
71839.2  
70463.8  
68409.4  
65314.8  
61920.3  
58124.7  
53544.3  
49612.1  
45754.7  
36832.1  
31312.8  
27755.2  
24303.5  
20331.5  
16240.5  
10959.3  
5788.2  
3094.7  
1948.5  
1313.7  
894.9  
678.9  
520.2  
414.4  
361.5  
313.0  
277.7  
260.1  
220.4  
180.7  
127.8  
83.8  
52.9  
30.9  
13.2  
8.8  
4.4  
4.4  
4.4  
0.0  
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