

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: P636174

Luminaire Tested: **IFLD-M-SA4C-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636174  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17413.3 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

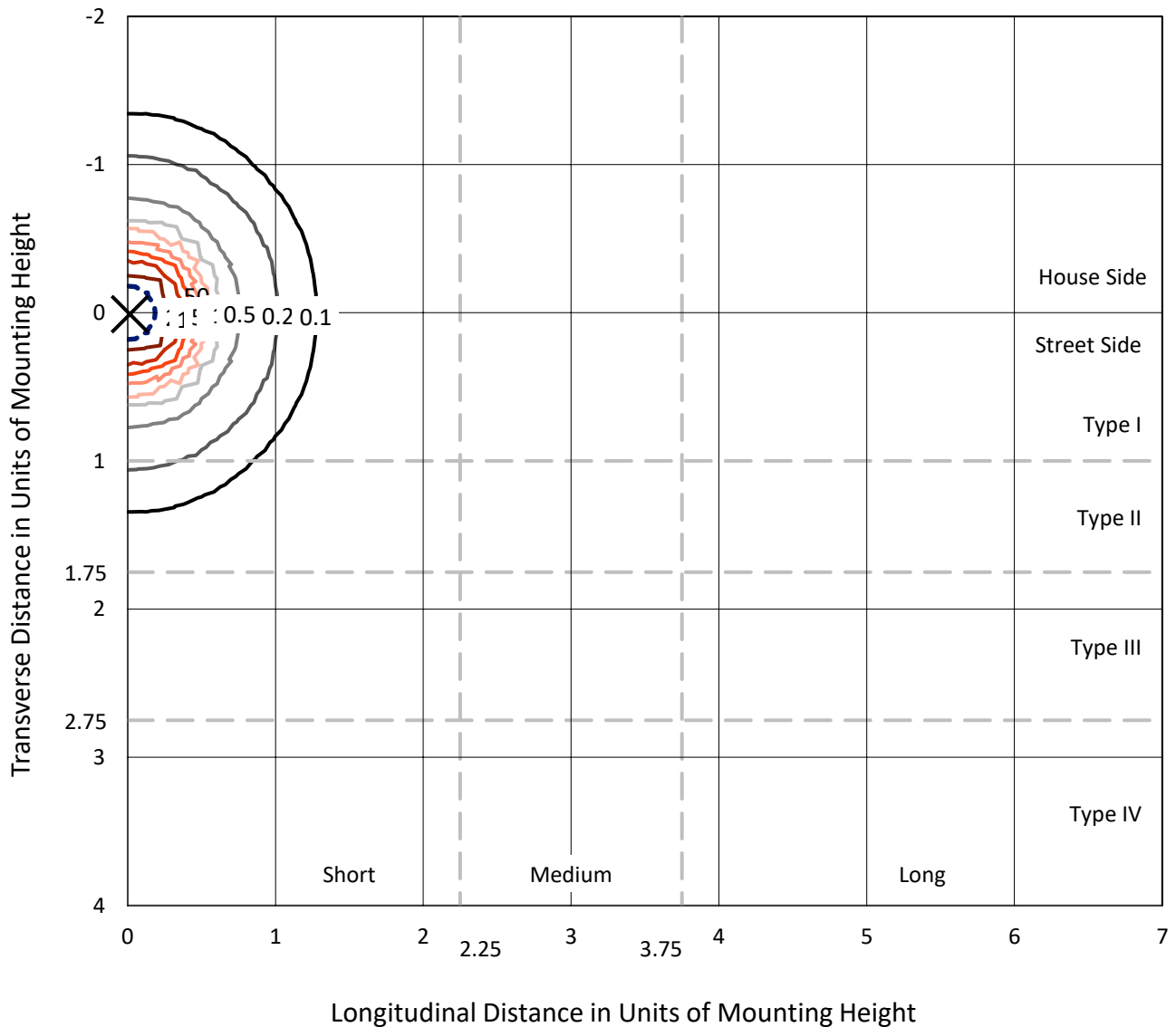
Input Watts (W): 218.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

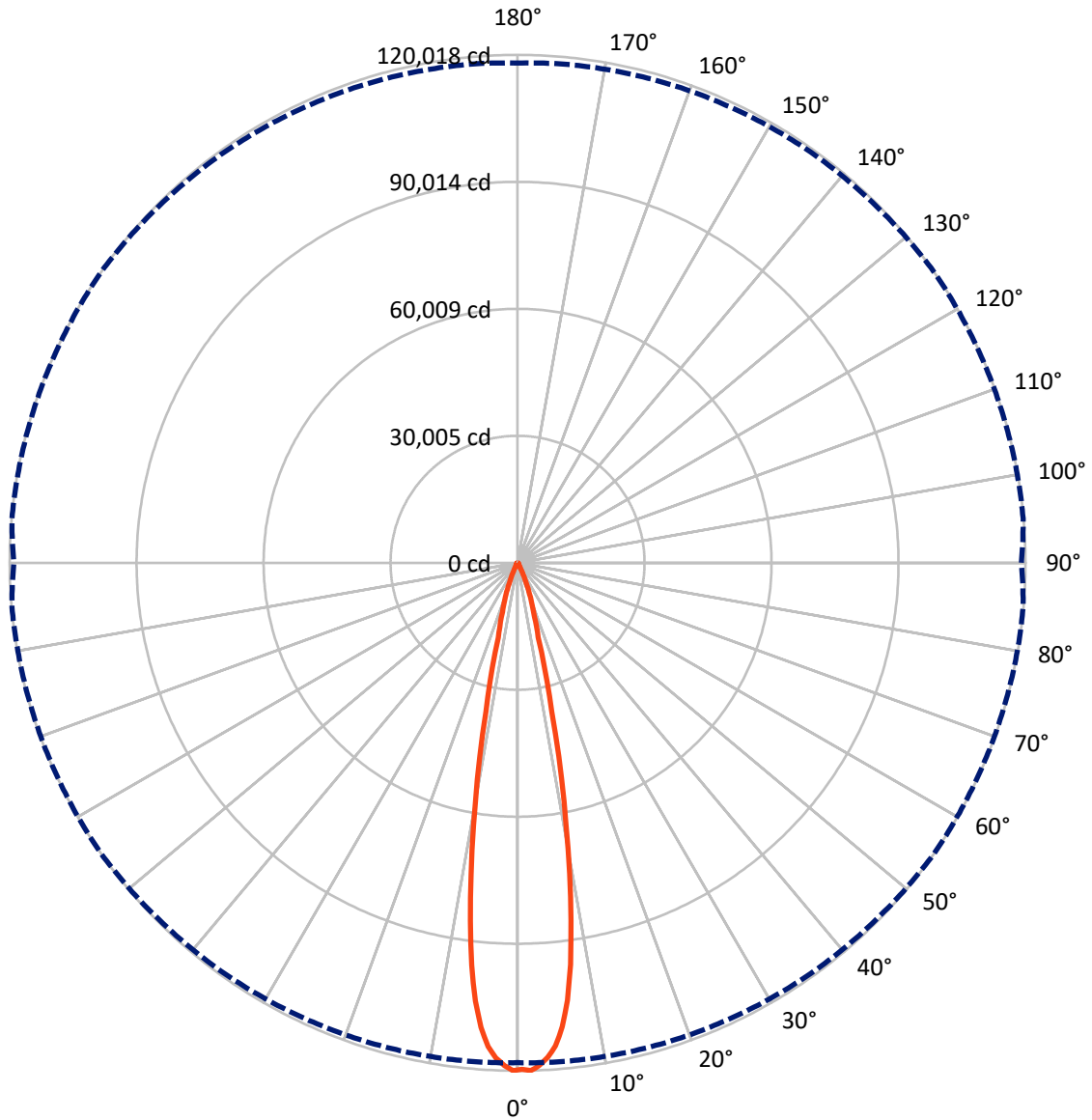
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 299.3 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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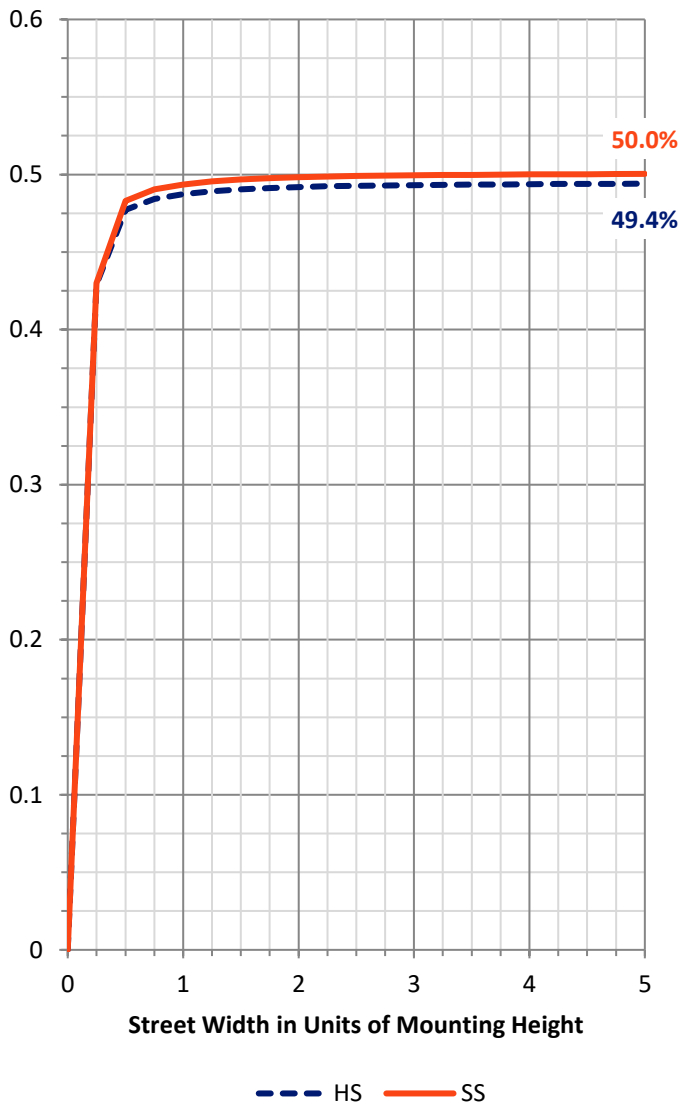
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8706.7	0.0	8706.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8706.7	0.0	8706.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17413.3	0.0	17413.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8847.3	50.8
10°-20°	6270.2	36.0
20°-30°	1469.2	8.4
30°-40°	307.1	1.8
40°-50°	198.1	1.1
50°-60°	146.7	0.8
60°-70°	99.7	0.6
70°-80°	53.2	0.3
80°-90°	21.8	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°	17413.3	100.0
0°-180°	17413.3	100.0

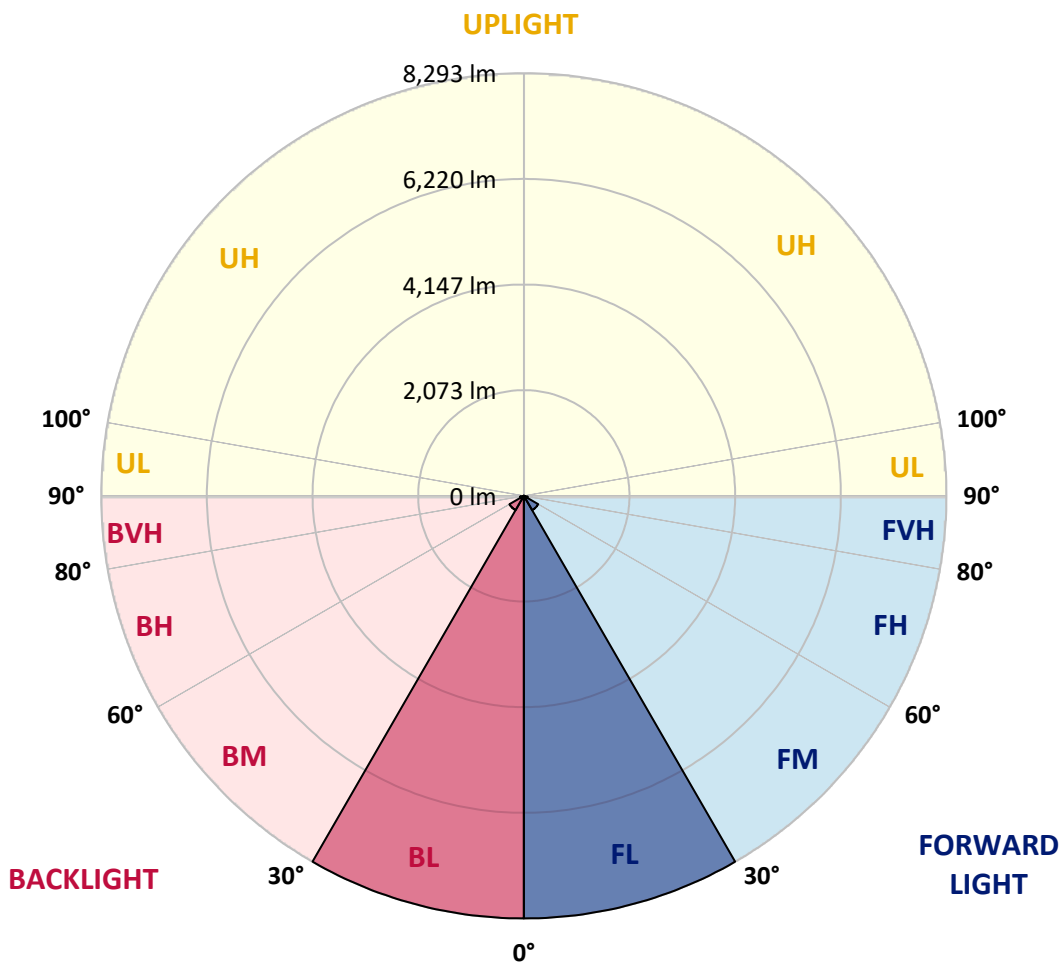


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8293.3	47.6			
FM (30°-60°)	325.9	1.9			
FH (60°-80°)	76.5	0.4			G0/660
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	8293.3	47.6	B5		
BM (30°-60°)	325.9	1.9	B1/1000		
BH (60°-80°)	76.5	0.4	B0/110		G0/660
BVH (80°-90°)	10.9	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°	119710.2	119710.2	119710.2	119710.2	119710.2	119710.2	119710.2	119710.2	119710.2	119710.2
1°	118099.6	118318.2	118586.1	118829.4	119195.9	119494.6	120018.1	119907.3	119891.9	119913.4
2°	115811.5	116085.6	116498.2	116741.5	117686.9	118074.9	118866.4	119100.4	118912.6	119125.1
3°	112384.0	112608.8	113255.5	113732.8	114958.5	116005.5	117064.9	117415.9	117197.3	117295.8
4°	108303.6	108534.6	109316.8	110289.9	112060.6	113221.6	114490.4	114804.5	114090.0	114139.3
5°	103447.2	103555.0	104512.7	105399.6	107518.4	108925.7	110129.8	110228.3	109575.5	109326.0
6°	97984.2	97790.1	98670.9	99046.6	101679.6	103114.6	103995.4	103881.4	103385.6	103173.1
7°	91492.5	91227.7	91939.1	91735.8	94067.0	94886.2	95733.0	95345.0	94950.8	95440.5
8°	83981.6	83833.8	83374.9	84206.4	84668.3	85401.2	85398.2	85173.4	85161.0	85977.1
9°	73061.6	74425.8	74022.4	74893.9	74776.9	74743.0	74518.2	74373.5	73757.6	74696.8
10°	61070.0	61963.0	62643.6	63943.1	63690.6	64047.9	62797.6	63010.1	62600.5	63376.5
12.5°	31611.3	32615.2	33203.4	34195.0	35285.1	36399.9	36039.6	35667.0	35109.6	35793.3
15°	15560.8	15958.1	16145.9	17152.9	17929.0	18209.2	18252.3	17922.8	17781.1	17929.0
17.5°	9549.6	9688.2	10233.2	11391.1	12062.5	12228.8	12121.0	11760.7	11357.3	11187.9
20°	6913.5	6953.6	7159.9	7384.7	8280.8	8748.9	8576.5	8222.3	7849.7	7674.2
22.5°	4514.6	4554.6	4622.4	4745.5	4985.7	5564.7	5376.8	5136.6	4884.1	4831.8
25°	2556.0	2556.0	2626.8	2753.1	2931.7	2974.8	3011.8	2756.2	2639.1	2586.8
27.5°	1425.8	1435.1	1450.5	1499.7	1589.0	1579.8	1539.8	1472.0	1391.9	1308.8
30°	788.4	797.6	806.8	819.2	834.5	806.8	782.2	769.9	736.0	726.8
32.5°	591.3	591.3	597.4	594.3	578.9	545.1	529.7	548.2	545.1	529.7
35°	486.6	486.6	492.7	505.0	474.2	449.6	437.3	461.9	461.9	452.7
37.5°	397.3	400.3	403.4	418.8	409.6	381.9	378.8	384.9	388.0	384.9
40°	348.0	344.9	344.9	348.0	341.8	335.7	329.5	326.4	329.5	326.4
42.5°	301.8	298.7	304.9	298.7	286.4	289.5	289.5	280.2	283.3	277.2
45°	264.8	261.8	264.8	258.7	249.4	252.5	252.5	240.2	240.2	237.1
47.5°	234.0	234.0	234.0	237.1	221.7	218.6	221.7	218.6	209.4	206.3
50°	203.2	206.3	209.4	215.6	200.2	194.0	194.0	194.0	187.9	184.8
52.5°	187.9	190.9	190.9	190.9	181.7	175.5	175.5	172.5	169.4	166.3
55°	181.7	181.7	181.7	169.4	166.3	163.2	154.0	150.9	147.8	147.8
57.5°	172.5	172.5	169.4	160.1	150.9	150.9	138.6	135.5	132.4	132.4
60°	154.0	154.0	154.0	150.9	138.6	135.5	123.2	117.0	113.9	113.9
62.5°	141.7	141.7	141.7	129.3	126.3	117.0	107.8	98.5	95.5	89.3
65°	129.3	129.3	129.3	117.0	110.9	101.6	89.3	80.1	73.9	64.7
67.5°	120.1	120.1	117.0	107.8	98.5	86.2	73.9	64.7	52.4	46.2
70°	104.7	104.7	101.6	95.5	86.2	77.0	61.6	49.3	40.0	30.8
72.5°	89.3	89.3	86.2	80.1	73.9	64.7	52.4	43.1	27.7	21.6
75°	73.9	73.9	70.8	64.7	61.6	55.4	46.2	33.9	21.6	9.2
77.5°	61.6	61.6	58.5	55.4	52.4	46.2	40.0	27.7	15.4	6.2
80°	46.2	49.3	49.3	49.3	43.1	40.0	37.0	27.7	12.3	3.1
82.5°	33.9	37.0	37.0	37.0	33.9	30.8	33.9	24.6	12.3	3.1
85°	24.6	24.6	27.7	27.7	27.7	27.7	37.0	27.7	9.2	3.1
87.5°	12.3	12.3	12.3	12.3	12.3	15.4	18.5	15.4	6.2	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°  
119710.2  
*119054.2*  
118318.2  
116556.7  
113406.4  
108805.6  
102695.8  
95289.6  
83713.7  
72944.6  
61387.1  
33942.5  
17239.2  
10950.8  
7538.7  
4724.0  
2543.7  
1311.9  
726.8  
520.4  
449.6  
384.9  
329.5  
280.2  
237.1  
206.3  
181.7  
163.2  
144.7  
132.4  
110.9  
83.1  
64.7  
43.1  
30.8  
18.5  
9.2  
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