

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: P636059

Luminaire Tested: **IFLD-M-SA4D-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636059  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4D-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (64) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19738.5 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

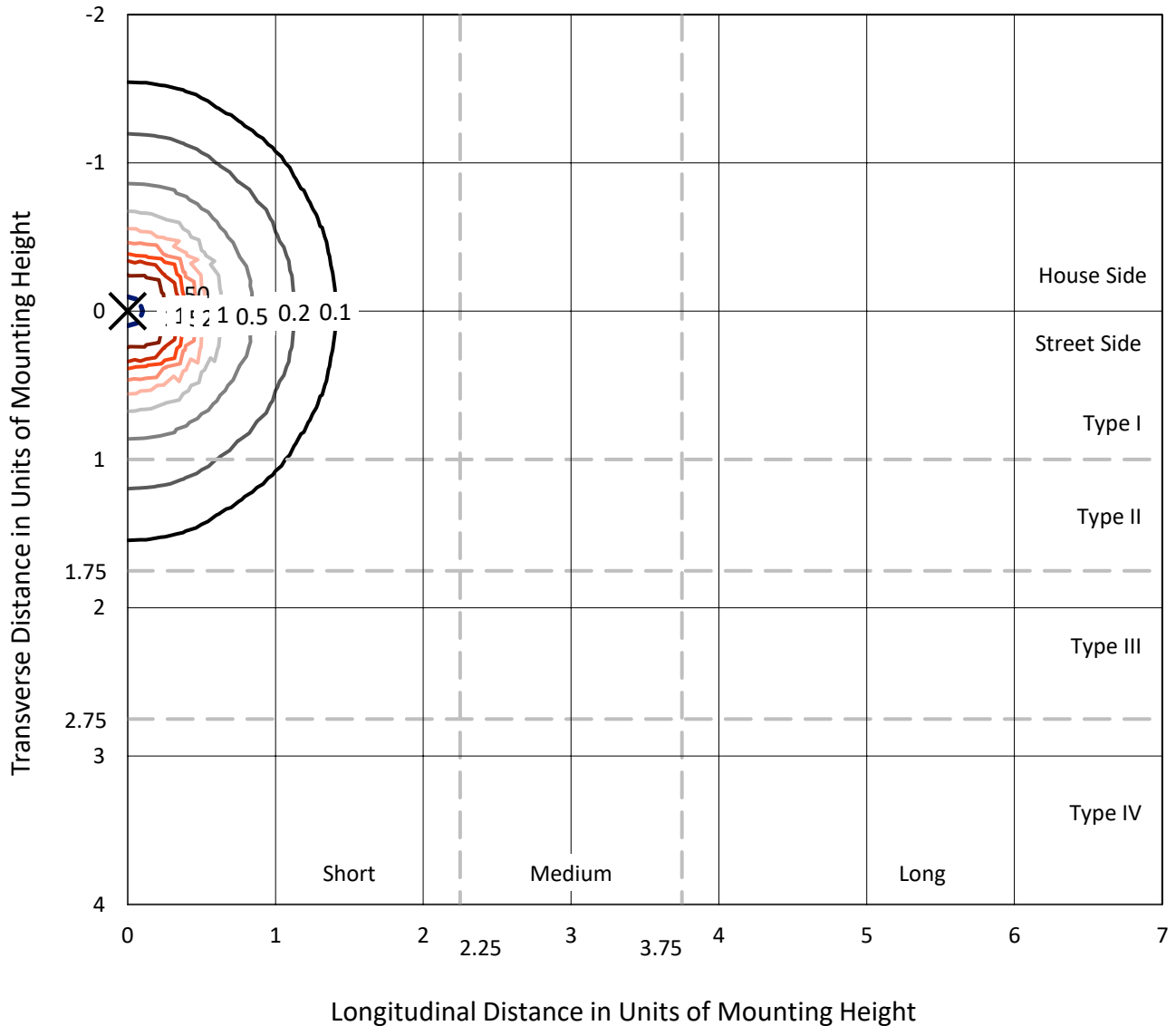
Input Watts (W): 249.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

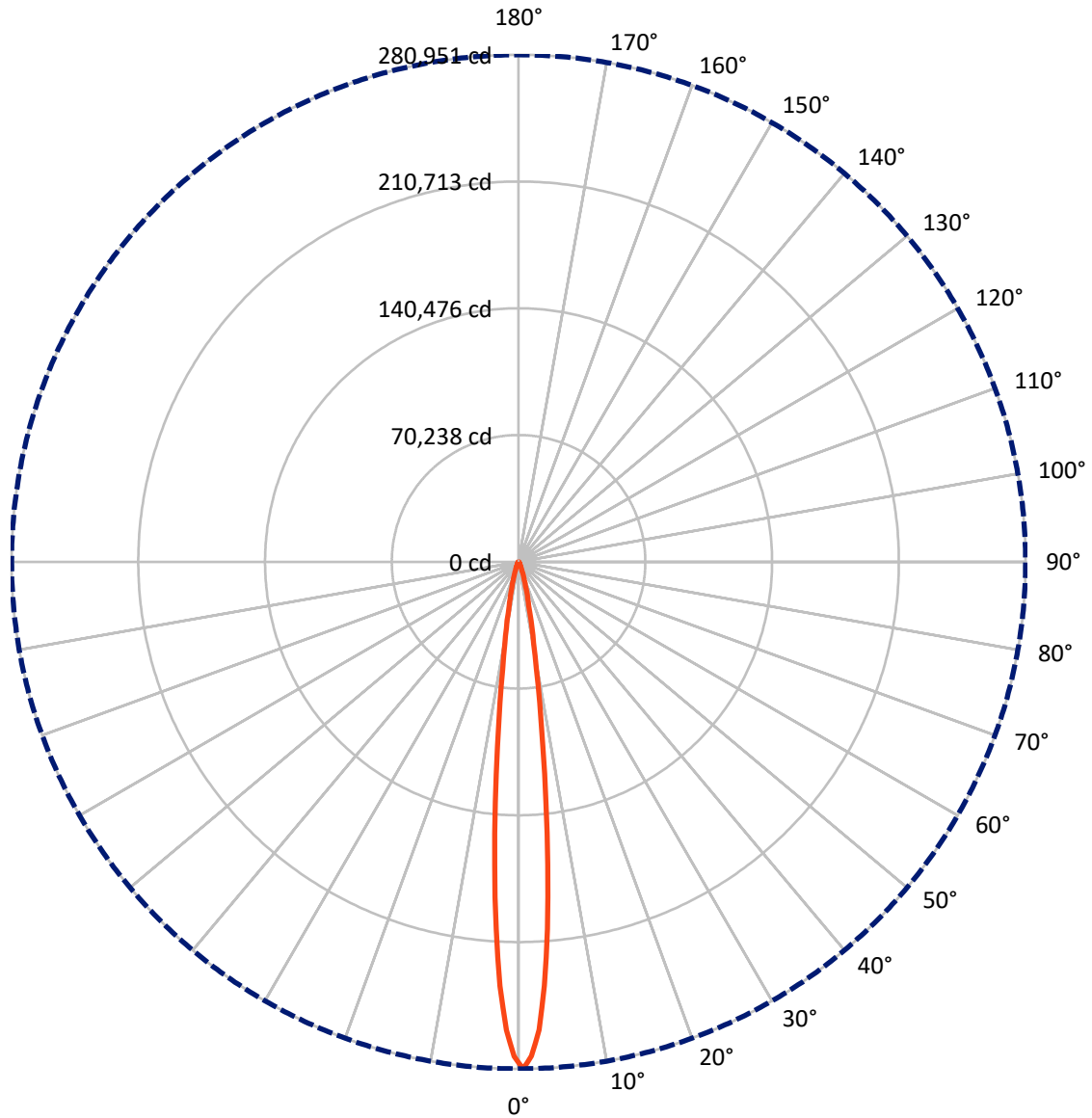
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 702.4 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	9869.2	0.0	9869.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9869.2	0.0	9869.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19738.5	0.0	19738.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12032.2	61.0
10°-20°	5390.5	27.3
20°-30°	1203.8	6.1
30°-40°	392.9	2.0
40°-50°	271.0	1.4
50°-60°	204.7	1.0
60°-70°	140.1	0.7
70°-80°	73.8	0.4
80°-90°	29.5	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°	19738.5	100.0
0°-180°	19738.5	100.0

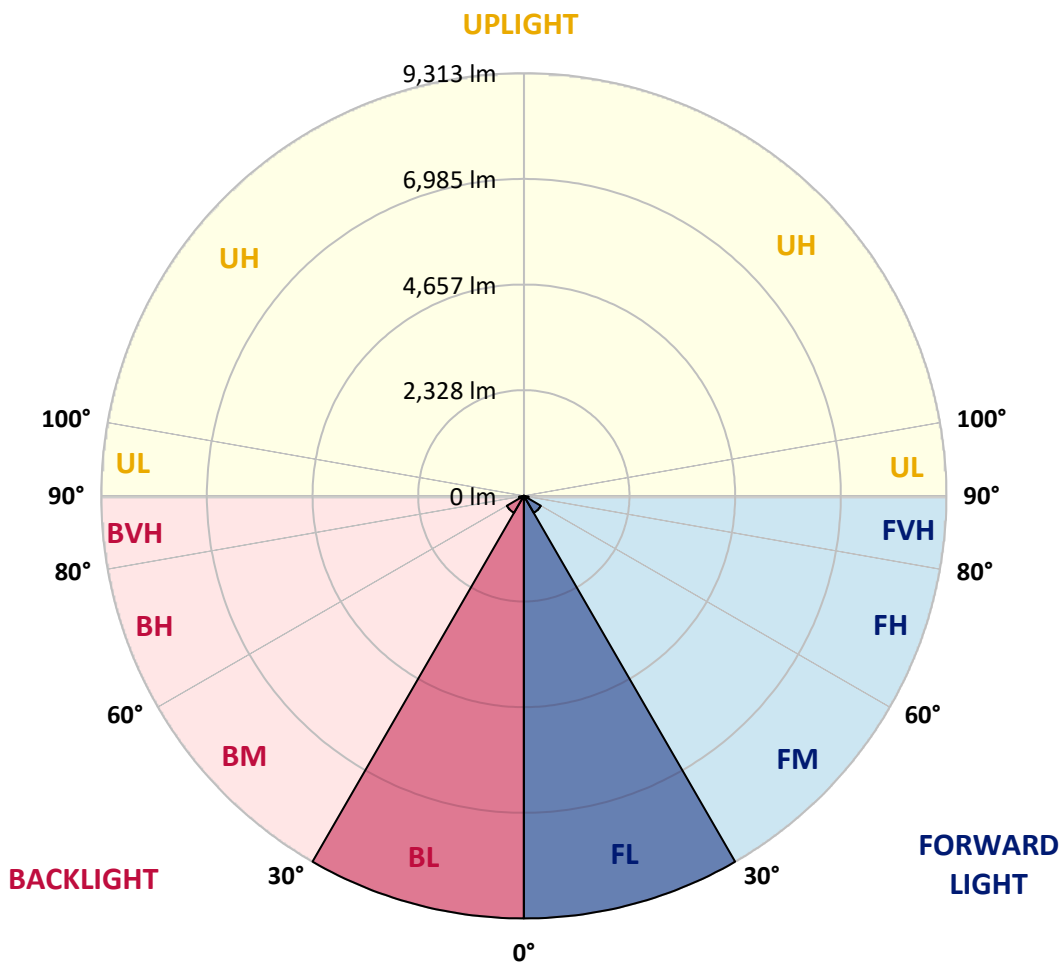


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9313.2	47.2			
FM	(30°-60°)	434.3	2.2			
FH	(60°-80°)	106.9	0.5			G0/660
FVH	(80°-90°)	14.7	0.1			G1/100
BL	(0°-30°)	9313.2	47.2	B5		
BM	(30°-60°)	434.3	2.2	B1/1000		
BH	(60°-80°)	106.9	0.5	B0/110		G0/660
BVH	(80°-90°)	14.7	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°	280951.0	280951.0	280951.0	280951.0	280951.0	280951.0	280951.0	280951.0	280951.0	280951.0
1°	273975.7	274348.4	273933.5	276028.9	276893.8	277343.8	277396.6	278577.9	277667.3	277920.4
2°	259536.3	260366.0	258977.3	260320.3	263006.4	264022.5	262366.5	264412.7	263681.4	264106.8
3°	235273.8	236289.8	234370.2	236012.1	239468.1	240241.6	237527.4	240435.0	240361.1	240972.9
4°	204000.7	205649.6	202907.3	204851.6	206380.9	209074.0	206444.2	209752.6	209689.3	210751.1
5°	168501.7	170284.2	167900.5	169918.6	171367.1	172369.1	171405.8	175065.7	175297.8	176394.7
6°	133765.6	135428.6	132767.1	134693.8	136989.6	137401.0	137151.3	140301.5	141001.1	140146.8
7°	102946.1	103361.0	102942.6	104693.5	106535.7	106602.5	106926.0	109696.5	110311.7	110016.4
8°	78841.8	76943.3	78574.6	79502.8	80072.3	82688.1	82881.5	84277.2	85409.3	85490.2
9°	60014.7	58256.8	60144.8	60513.9	61821.8	64145.8	63853.9	65379.8	66090.0	66044.3
10°	45754.6	44861.6	45807.3	46215.2	47291.0	49259.9	49600.9	50300.5	50827.9	51172.5
12.5°	24828.6	25036.0	25584.5	26013.4	27461.9	27985.8	28196.7	28256.5	28253.0	28309.2
15°	15423.8	15592.6	15975.8	16752.8	17635.2	18285.7	18377.1	18039.6	17747.8	17702.0
17.5°	9619.2	9552.4	10452.5	11303.3	12365.1	12702.6	12351.0	11964.3	11567.0	11338.5
20°	5772.9	5818.6	6124.5	6504.2	7362.1	7945.7	7580.1	7186.3	6774.9	6504.2
22.5°	3280.2	3329.5	3463.1	3659.9	3986.9	4517.8	4285.8	3888.5	3596.7	3477.1
25°	1937.2	1937.2	2018.1	2106.0	2243.1	2366.1	2316.9	2106.0	1933.7	1884.5
27.5°	1255.1	1244.6	1272.7	1314.9	1378.2	1385.2	1329.0	1265.7	1177.8	1146.2
30°	917.6	921.1	917.6	935.2	931.7	907.1	871.9	875.4	840.3	836.8
32.5°	745.3	748.9	748.9	745.3	727.8	689.1	664.5	689.1	682.1	675.0
35°	618.8	622.3	657.5	653.9	625.8	583.6	566.0	594.2	615.3	583.6
37.5°	534.4	537.9	566.0	580.1	544.9	516.8	495.7	520.3	552.0	516.8
40°	471.1	474.6	481.7	485.2	467.6	453.5	443.0	450.0	464.1	446.5
42.5°	414.9	411.3	414.9	411.3	390.3	397.3	390.3	379.7	390.3	376.2
45°	362.1	362.1	362.1	351.6	330.5	344.5	337.5	327.0	330.5	319.9
47.5°	330.5	330.5	330.5	316.4	298.8	298.8	302.4	284.8	288.3	284.8
50°	298.8	298.8	305.9	291.8	277.7	267.2	270.7	256.7	260.2	256.7
52.5°	274.2	274.2	274.2	267.2	256.7	249.6	242.6	235.6	232.0	228.5
55°	263.7	263.7	260.2	239.1	235.6	228.5	214.5	210.9	203.9	200.4
57.5°	246.1	246.1	242.6	225.0	210.9	210.9	189.9	186.3	175.8	175.8
60°	218.0	218.0	214.5	210.9	193.4	182.8	168.8	161.7	151.2	147.7
62.5°	207.4	207.4	200.4	182.8	179.3	161.7	147.7	133.6	126.6	119.5
65°	193.4	189.9	186.3	168.8	154.7	144.1	126.6	109.0	102.0	87.9
67.5°	172.3	172.3	168.8	154.7	140.6	123.1	105.5	91.4	73.8	63.3
70°	151.2	147.7	147.7	133.6	123.1	109.0	84.4	70.3	52.7	42.2
72.5°	126.6	126.6	123.1	112.5	105.5	94.9	73.8	56.3	35.2	28.1
75°	102.0	102.0	98.4	91.4	87.9	77.3	63.3	49.2	28.1	14.1
77.5°	84.4	80.9	80.9	73.8	70.3	63.3	52.7	38.7	21.1	10.5
80°	63.3	63.3	66.8	63.3	56.3	52.7	45.7	35.2	17.6	7.0
82.5°	45.7	45.7	49.2	49.2	49.2	45.7	45.7	35.2	17.6	3.5
85°	31.6	31.6	38.7	35.2	35.2	38.7	56.3	45.7	14.1	3.5
87.5°	17.6	17.6	17.6	14.1	14.1	17.6	21.1	17.6	7.0	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
280951.0  
276060.6  
262588.0  
239331.0  
208887.7  
174299.3  
140234.7  
109612.1  
84470.6  
67120.1  
51376.4  
28354.9  
17561.4  
11303.3  
6564.0  
3491.2  
1877.4  
1146.2  
833.2  
661.0  
576.6  
513.3  
439.5  
376.2  
319.9  
284.8  
256.7  
228.5  
196.9  
175.8  
140.6  
116.0  
84.4  
63.3  
42.2  
24.6  
14.1  
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