

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: P636334

Luminaire Tested: **IFLD-S-SA2D-935-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636334  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-935-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (32) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9708.6 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

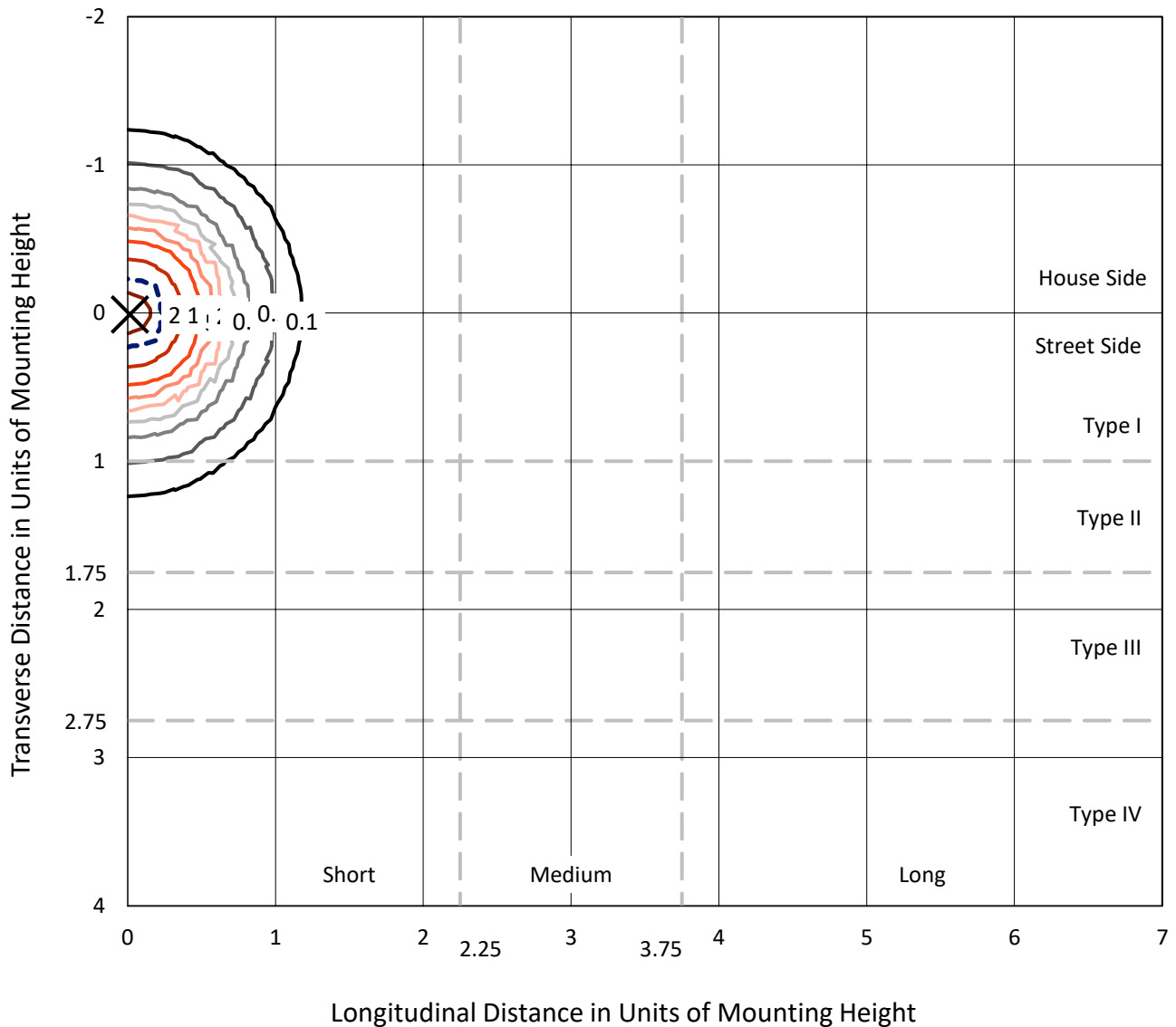
Input Watts (W): 123.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636334  
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### Iso-Footcandle Lines of Horizontal Illumination

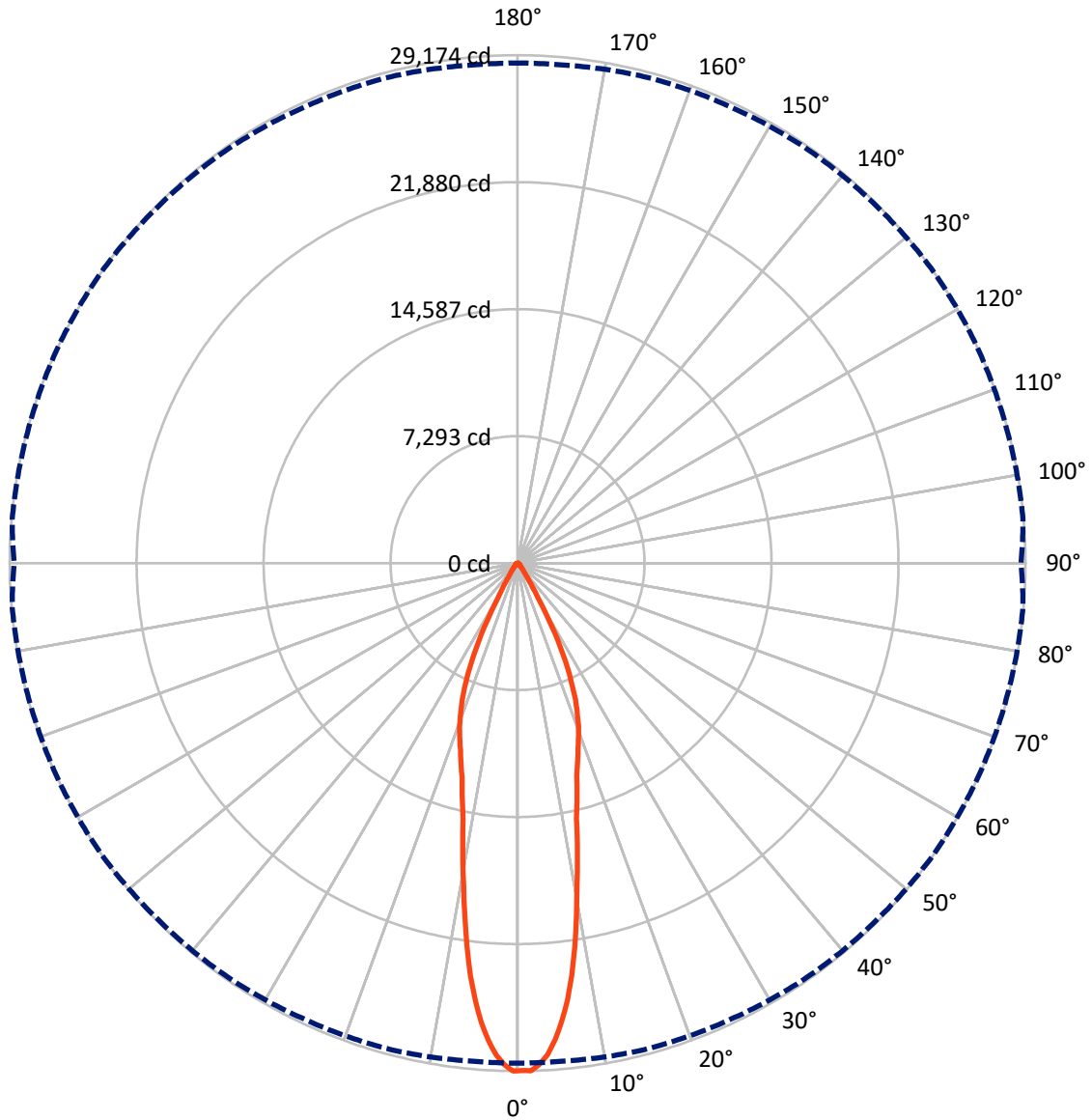
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 72.9 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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CATALOG NUMBER: IFLD-S-SA2D-935-U-44-VI

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4854.3	0.0	4854.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4854.3	0.0	4854.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9708.6	0.0	9708.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2217.2	22.8
10°-20°	3621.2	37.3
20°-30°	2829.7	29.1
30°-40°	616.8	6.4
40°-50°	182.6	1.9
50°-60°	114.2	1.2
60°-70°	79.9	0.8
70°-80°	34.3	0.4
80°-90°	12.7	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°	9708.6	100.0
0°-180°	9708.6	100.0



REPORT NUMBER: P636334

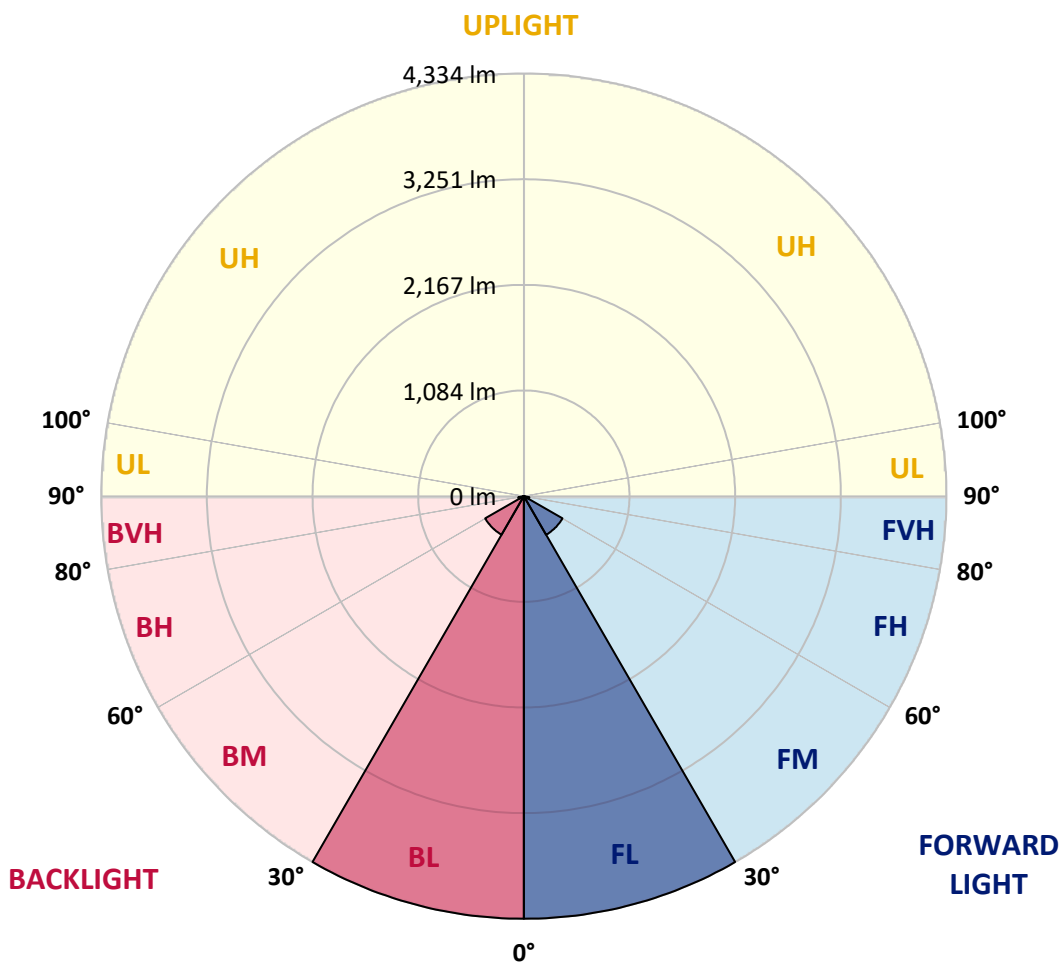
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4334.1	44.6			
FM (30°-60°)	456.8	4.7			
FH (60°-80°)	57.1	0.6			G0/660
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	4334.1	44.6	B4/5000		
BM (30°-60°)	456.8	4.7	B1/1000		
BH (60°-80°)	57.1	0.6	B0/110		G0/660
BVH (80°-90°)	6.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	29140.4	29140.4	29140.4	29140.4	29140.4	29140.4	29140.4	29140.4	29140.4	29140.4
1°	28718.6	28722.1	28878.6	28913.7	29020.9	29075.4	29173.8	29163.3	29133.4	29136.9
2°	28189.6	28166.8	28312.6	28474.3	28602.6	28708.1	28825.8	28850.4	28822.3	28848.7
3°	27319.6	27286.2	27490.1	27692.2	27915.4	28096.4	28274.0	28281.0	28247.6	28245.8
4°	26175.4	26113.9	26356.5	26716.8	26998.0	27238.8	27460.2	27456.7	27411.0	27447.9
5°	24792.2	24714.9	25029.5	25504.0	25920.6	26210.6	26454.9	26396.9	26291.4	26296.7
6°	23094.4	23170.0	23554.9	24221.0	24713.1	24953.9	25254.5	25145.5	24962.7	24943.4
7°	21498.5	21669.0	21976.6	22779.8	23365.1	23618.2	23873.0	23653.3	23405.5	23365.1
8°	19818.3	20103.0	20528.4	21268.3	21892.2	22147.1	22243.8	22008.2	21742.8	21732.3
9°	18456.2	18651.3	19016.9	19668.9	20303.4	20473.9	20495.0	20289.3	20023.9	20041.5
10°	17217.1	17254.0	17570.4	18131.0	18639.0	18760.3	18755.0	18605.6	18387.7	18445.7
12.5°	14443.7	14543.9	14635.3	14814.5	14985.0	15064.1	15034.2	14972.7	14853.2	14858.5
15°	12561.3	12559.6	12570.1	12652.7	12703.7	12712.5	12712.5	12635.1	12584.2	12659.7
17.5°	10900.4	10991.8	11155.3	11222.1	11288.8	11264.2	11218.5	11183.4	11150.0	11215.0
20°	9608.6	9649.0	9650.8	9694.7	10032.2	10049.8	9991.8	9891.6	9807.2	9791.4
22.5°	8155.1	8216.6	8243.0	8281.7	8316.8	8573.4	8504.9	8343.2	8243.0	8213.1
25°	6121.6	6100.5	6272.8	6589.1	6640.1	6671.7	6654.1	6569.8	6504.8	6517.1
27.5°	4230.5	4267.4	4260.3	4263.9	4599.5	4597.8	4592.5	4518.7	4499.4	4471.2
30°	2365.7	2348.1	2356.9	2334.0	2286.6	2344.6	2251.4	2330.5	2253.2	2277.8
32.5°	1399.0	1386.7	1374.4	1379.7	1344.5	1258.4	1221.5	1276.0	1258.4	1251.4
35°	892.8	898.1	913.9	912.2	880.5	831.3	778.6	827.8	820.8	799.7
37.5°	569.5	569.5	574.7	620.4	594.1	551.9	515.0	536.1	534.3	530.8
40°	404.2	404.2	411.3	423.6	409.5	388.4	367.3	367.3	370.8	360.3
42.5°	300.5	300.5	307.6	314.6	297.0	290.0	279.5	272.4	281.2	272.4
45°	235.5	233.8	235.5	232.0	221.5	221.5	212.7	202.1	212.7	207.4
47.5°	193.3	191.6	189.8	182.8	172.2	174.0	170.5	161.7	167.0	165.2
50°	168.7	165.2	167.0	159.9	151.2	149.4	149.4	140.6	142.4	142.4
52.5°	147.6	147.6	145.9	142.4	138.8	131.8	133.6	124.8	124.8	124.8
55°	138.8	138.8	135.3	128.3	130.1	124.8	119.5	114.2	112.5	112.5
57.5°	137.1	137.1	135.3	128.3	123.0	121.3	114.2	107.2	101.9	103.7
60°	133.6	133.6	130.1	128.3	119.5	116.0	105.5	100.2	93.2	93.2
62.5°	128.3	126.5	119.5	109.0	109.0	100.2	93.2	82.6	77.3	75.6
65°	109.0	107.2	101.9	93.2	87.9	82.6	72.1	61.5	58.0	52.7
67.5°	89.6	89.6	86.1	77.3	73.8	66.8	54.5	47.5	38.7	35.2
70°	73.8	73.8	70.3	65.0	61.5	52.7	42.2	35.2	26.4	22.8
72.5°	59.8	59.8	56.2	52.7	49.2	43.9	35.2	26.4	17.6	14.1
75°	47.5	47.5	45.7	42.2	38.7	35.2	28.1	21.1	12.3	7.0
77.5°	38.7	38.7	36.9	35.2	31.6	28.1	22.8	17.6	8.8	3.5
80°	29.9	29.9	29.9	29.9	26.4	22.8	19.3	14.1	7.0	1.8
82.5°	21.1	21.1	22.8	26.4	21.1	17.6	17.6	14.1	5.3	1.8
85°	14.1	15.8	17.6	15.8	14.1	14.1	24.6	22.8	5.3	1.8
87.5°	7.0	7.0	7.0	7.0	7.0	5.3	7.0	5.3	3.5	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°  
29140.4  
28920.7  
28641.3  
28092.9  
27273.9  
26040.1  
24686.8  
23173.5  
21347.4  
19779.6  
18241.8  
14684.5  
12484.0  
11065.6  
9689.5  
8105.9  
6474.9  
4369.3  
2307.7  
1233.8  
776.8  
523.8  
356.8  
270.7  
207.4  
165.2  
144.1  
124.8  
110.7  
103.7  
87.9  
72.1  
51.0  
33.4  
21.1  
12.3  
5.3  
3.5  
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