

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: P635991

Luminaire Tested: **IFLD-S-SA3D-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P635991  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (48) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14021.1 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

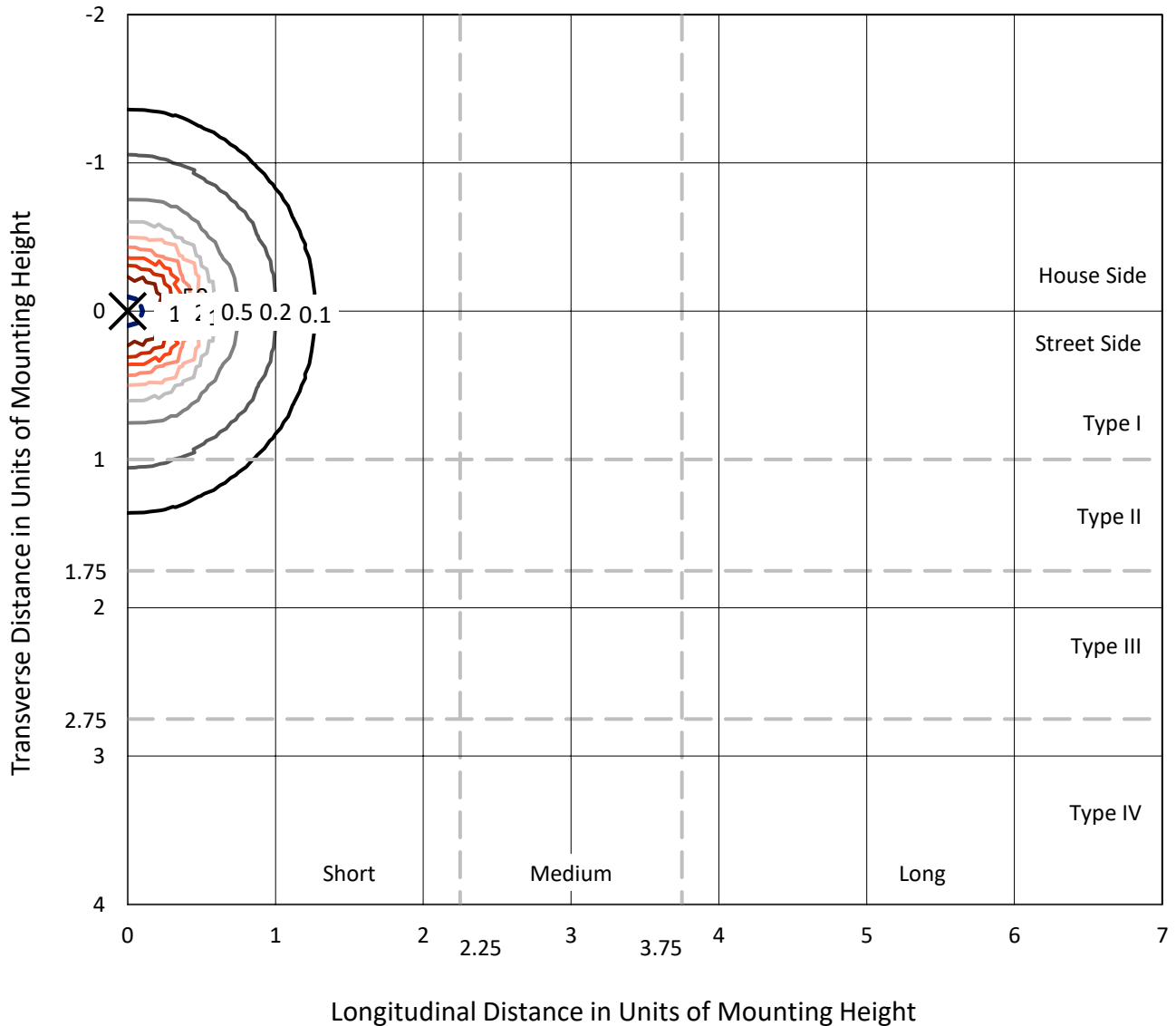
Input Watts (W): 184.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

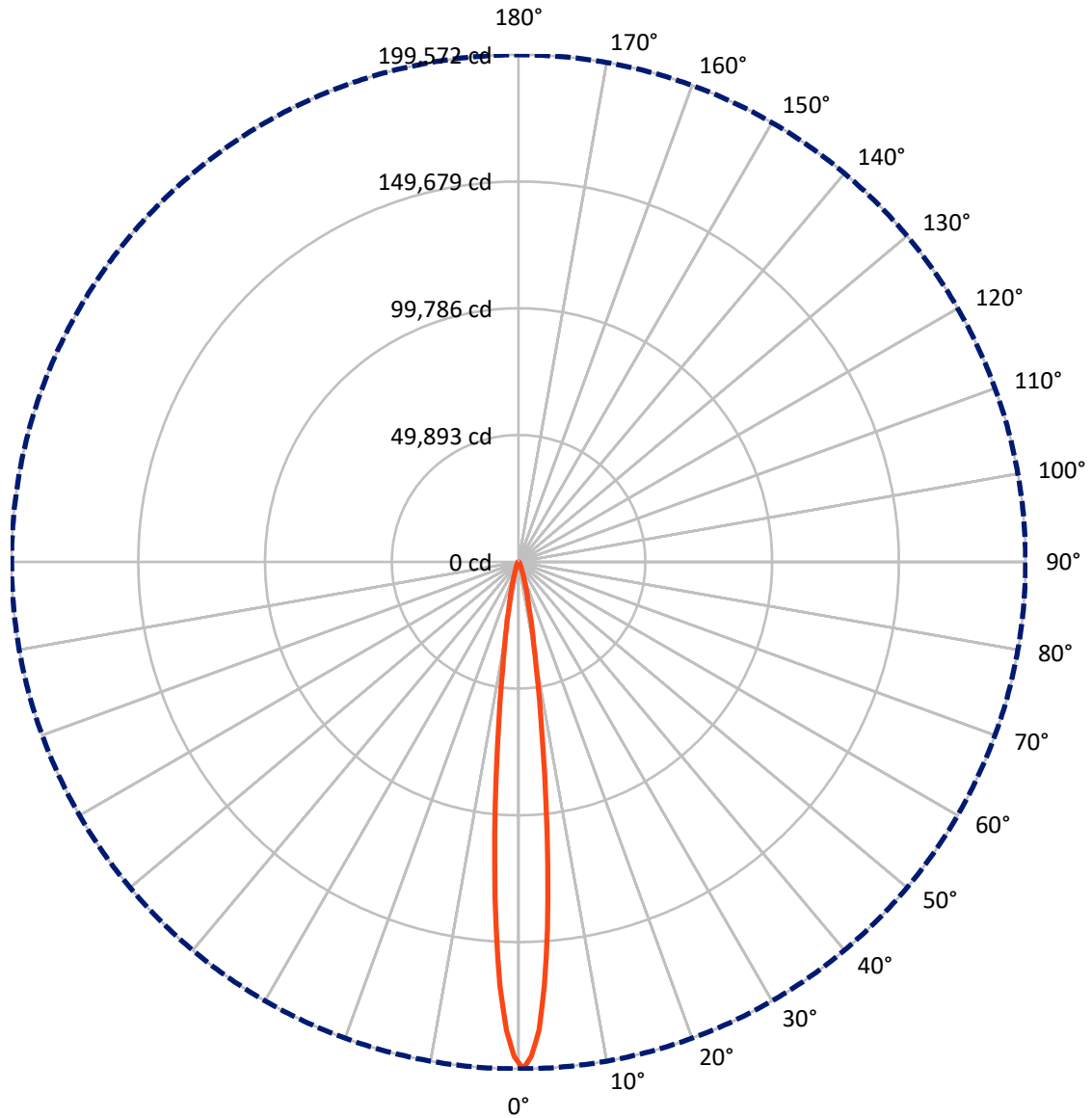
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 498.9 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	7010.6	0.0	7010.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7010.6	0.0	7010.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14021.1	0.0	14021.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8547.0	61.0
10°-20°	3829.1	27.3
20°-30°	855.1	6.1
30°-40°	279.1	2.0
40°-50°	192.5	1.4
50°-60°	145.4	1.0
60°-70°	99.5	0.7
70°-80°	52.4	0.4
80°-90°	20.9	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°	14021.1	100.0
0°-180°	14021.1	100.0

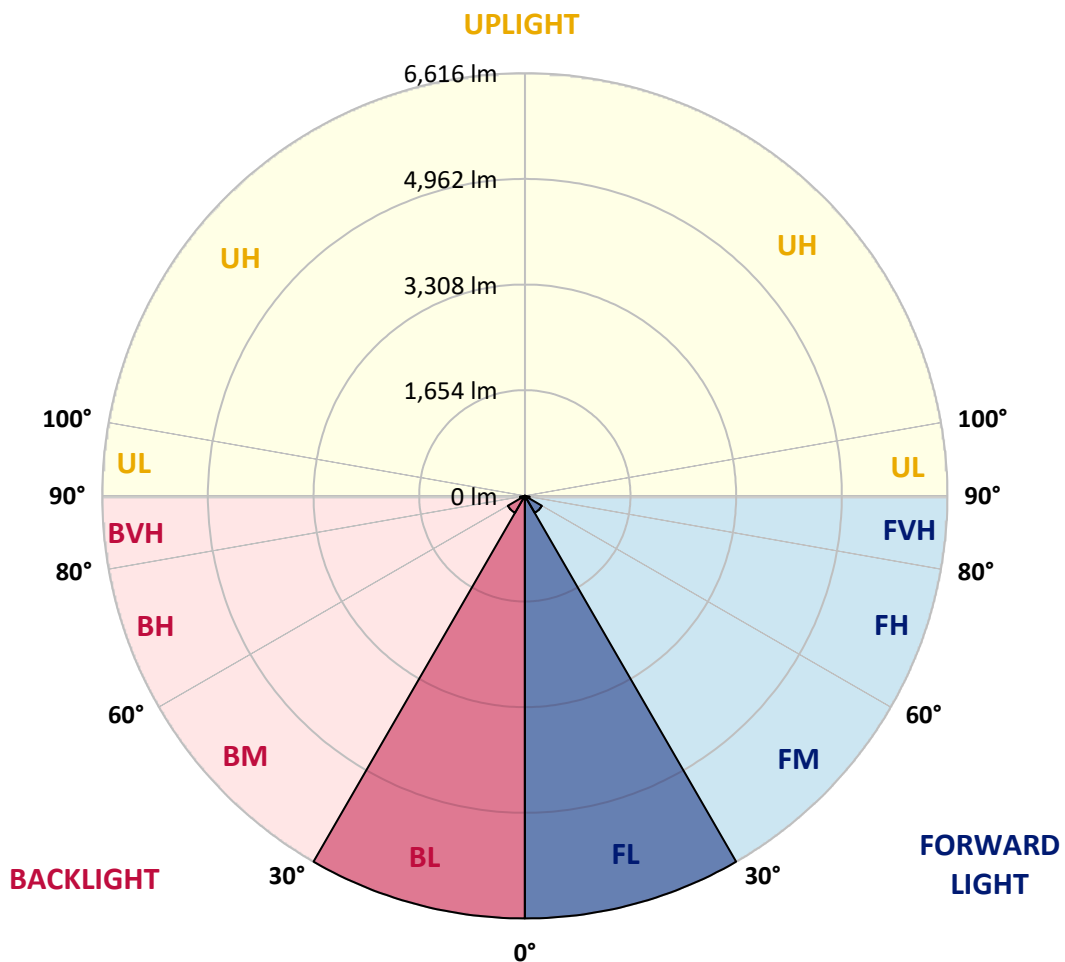


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6615.6	47.2			
FM (30°-60°)	308.5	2.2			
FH (60°-80°)	76.0	0.5			G0/660
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	6615.6	47.2	B5		
BM (30°-60°)	308.5	2.2	B1/1000		
BH (60°-80°)	76.0	0.5	B0/110		G0/660
BVH (80°-90°)	10.5	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°	199572.2	199572.2	199572.2	199572.2	199572.2	199572.2	199572.2	199572.2	199572.2	199572.2
1°	194617.3	194882.1	194587.4	196075.8	196690.2	197009.9	197047.3	197886.5	197239.6	197419.5
2°	184360.4	184949.8	183963.3	184917.3	186825.4	187547.1	186370.8	187824.3	187304.9	187607.1
3°	167125.6	167847.4	166483.8	167650.1	170105.1	170654.5	168726.5	170791.8	170739.4	171174.0
4°	144911.0	146082.3	144134.3	145515.3	146601.7	148514.8	146646.7	148996.8	148951.8	149706.0
5°	119694.4	120960.6	119267.3	120700.9	121729.8	122441.6	121757.3	124357.1	124521.9	125301.1
6°	95019.8	96201.1	94310.5	95679.1	97309.9	97602.1	97424.8	99662.5	100159.5	99552.6
7°	73127.3	73422.0	73124.8	74368.5	75677.2	75724.6	75954.4	77922.4	78359.4	78149.6
8°	56004.9	54656.3	55815.1	56474.4	56879.0	58737.1	58874.4	59865.9	60670.1	60727.5
9°	42631.2	41382.4	42723.6	42985.8	43914.8	45565.6	45358.4	46442.2	46946.7	46914.3
10°	32501.6	31867.2	32539.0	32828.7	33593.0	34991.5	35233.8	35730.8	36105.4	36350.1
12.5°	17636.9	17784.2	18173.8	18478.5	19507.4	19879.6	20029.4	20071.9	20069.4	20109.3
15°	10956.2	11076.1	11348.3	11900.3	12527.1	12989.1	13054.1	12814.3	12607.0	12574.6
17.5°	6833.0	6785.5	7424.9	8029.2	8783.5	9023.2	8773.5	8498.8	8216.5	8054.2
20°	4100.8	4133.2	4350.5	4620.2	5229.6	5644.2	5384.5	5104.7	4812.6	4620.2
22.5°	2330.1	2365.1	2460.0	2599.8	2832.1	3209.2	3044.4	2762.2	2554.9	2470.0
25°	1376.1	1376.1	1433.5	1496.0	1593.4	1680.8	1645.8	1496.0	1373.6	1338.6
27.5°	891.6	884.1	904.1	934.0	979.0	984.0	944.0	899.1	836.6	814.2
30°	651.8	654.3	651.8	664.3	661.8	644.3	619.4	621.9	596.9	594.4
32.5°	529.5	532.0	532.0	529.5	517.0	489.5	472.0	489.5	484.5	479.5
35°	439.5	442.0	467.0	464.5	444.5	414.6	402.1	422.1	437.1	414.6
37.5°	379.6	382.1	402.1	412.1	387.1	367.1	352.1	369.6	392.1	367.1
40°	334.7	337.2	342.1	344.6	332.2	322.2	314.7	319.7	329.7	317.2
42.5°	294.7	292.2	294.7	292.2	277.2	282.2	277.2	269.7	277.2	267.2
45°	257.2	257.2	257.2	249.7	234.8	244.7	239.8	232.3	234.8	227.3
47.5°	234.8	234.8	234.8	224.8	212.3	212.3	214.8	202.3	204.8	202.3
50°	212.3	212.3	217.3	207.3	197.3	189.8	192.3	182.3	184.8	182.3
52.5°	194.8	194.8	194.8	189.8	182.3	177.3	172.3	167.3	164.8	162.3
55°	187.3	187.3	184.8	169.8	167.3	162.3	152.3	149.8	144.9	142.4
57.5°	174.8	174.8	172.3	159.8	149.8	149.8	134.9	132.4	124.9	124.9
60°	154.8	154.8	152.3	149.8	137.4	129.9	119.9	114.9	107.4	104.9
62.5°	147.3	147.3	142.4	129.9	127.4	114.9	104.9	94.9	89.9	84.9
65°	137.4	134.9	132.4	119.9	109.9	102.4	89.9	77.4	72.4	62.4
67.5°	122.4	122.4	119.9	109.9	99.9	87.4	74.9	64.9	52.4	45.0
70°	107.4	104.9	104.9	94.9	87.4	77.4	59.9	49.9	37.5	30.0
72.5°	89.9	89.9	87.4	79.9	74.9	67.4	52.4	40.0	25.0	20.0
75°	72.4	72.4	69.9	64.9	62.4	54.9	45.0	35.0	20.0	10.0
77.5°	59.9	57.4	57.4	52.4	49.9	45.0	37.5	27.5	15.0	7.5
80°	45.0	45.0	47.5	45.0	40.0	37.5	32.5	25.0	12.5	5.0
82.5°	32.5	32.5	35.0	35.0	35.0	32.5	32.5	25.0	12.5	2.5
85°	22.5	22.5	27.5	25.0	25.0	27.5	40.0	32.5	10.0	2.5
87.5°	12.5	12.5	12.5	10.0	10.0	12.5	15.0	12.5	5.0	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
199572.2  
196098.3  
186528.2  
170007.7  
148382.4  
123812.7  
99615.0  
77862.4  
60003.3  
47678.5  
36495.0  
20141.8  
12474.7  
8029.2  
4662.7  
2479.9  
1333.6  
814.2  
591.9  
469.5  
409.6  
364.6  
312.2  
267.2  
227.3  
202.3  
182.3  
162.3  
139.9  
124.9  
99.9  
82.4  
59.9  
45.0  
30.0  
17.5  
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5.0  
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