

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: P636035

Luminaire Tested: **IFLD-L-SA7D-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636035
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7D-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29664.5 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

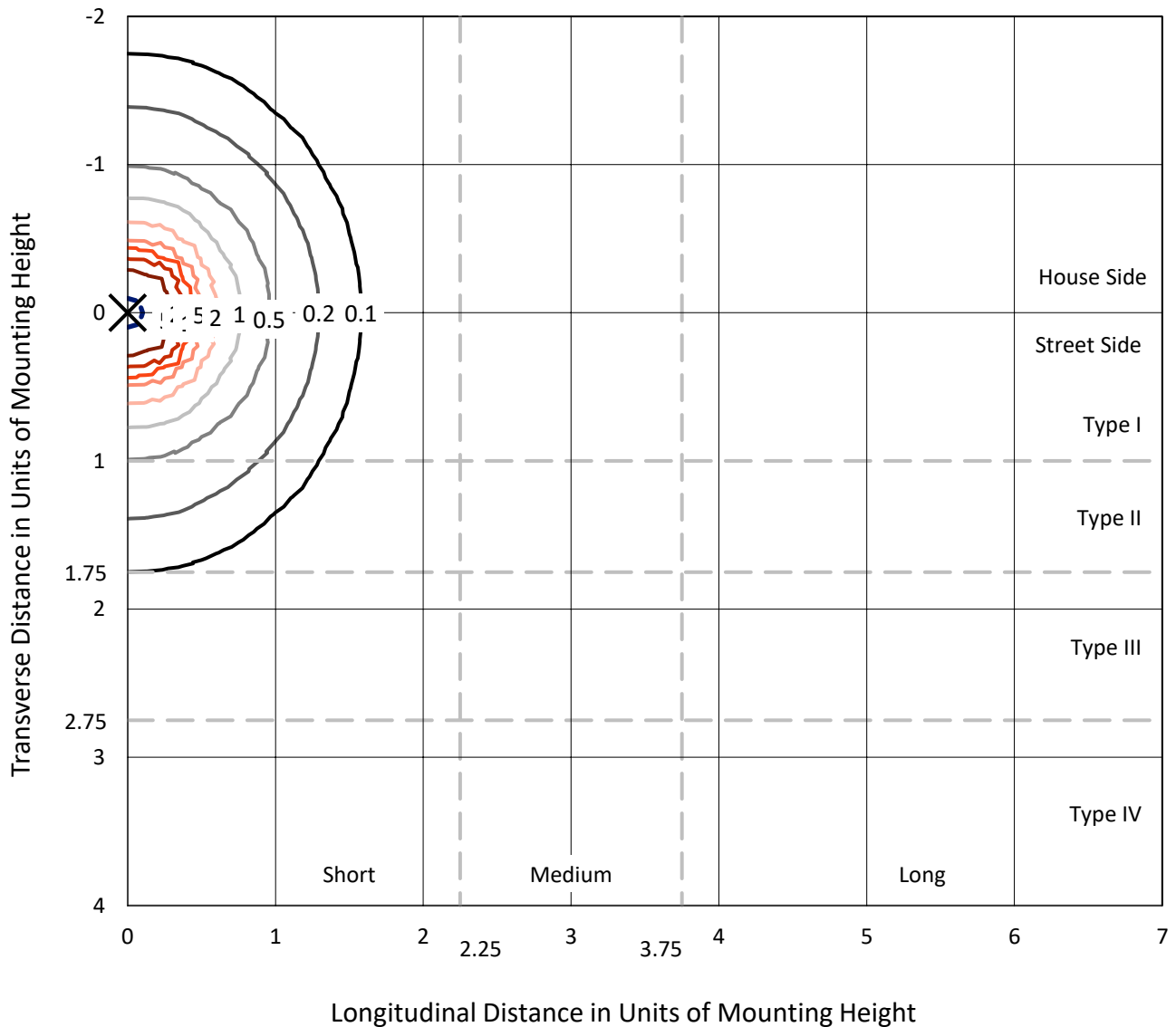
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

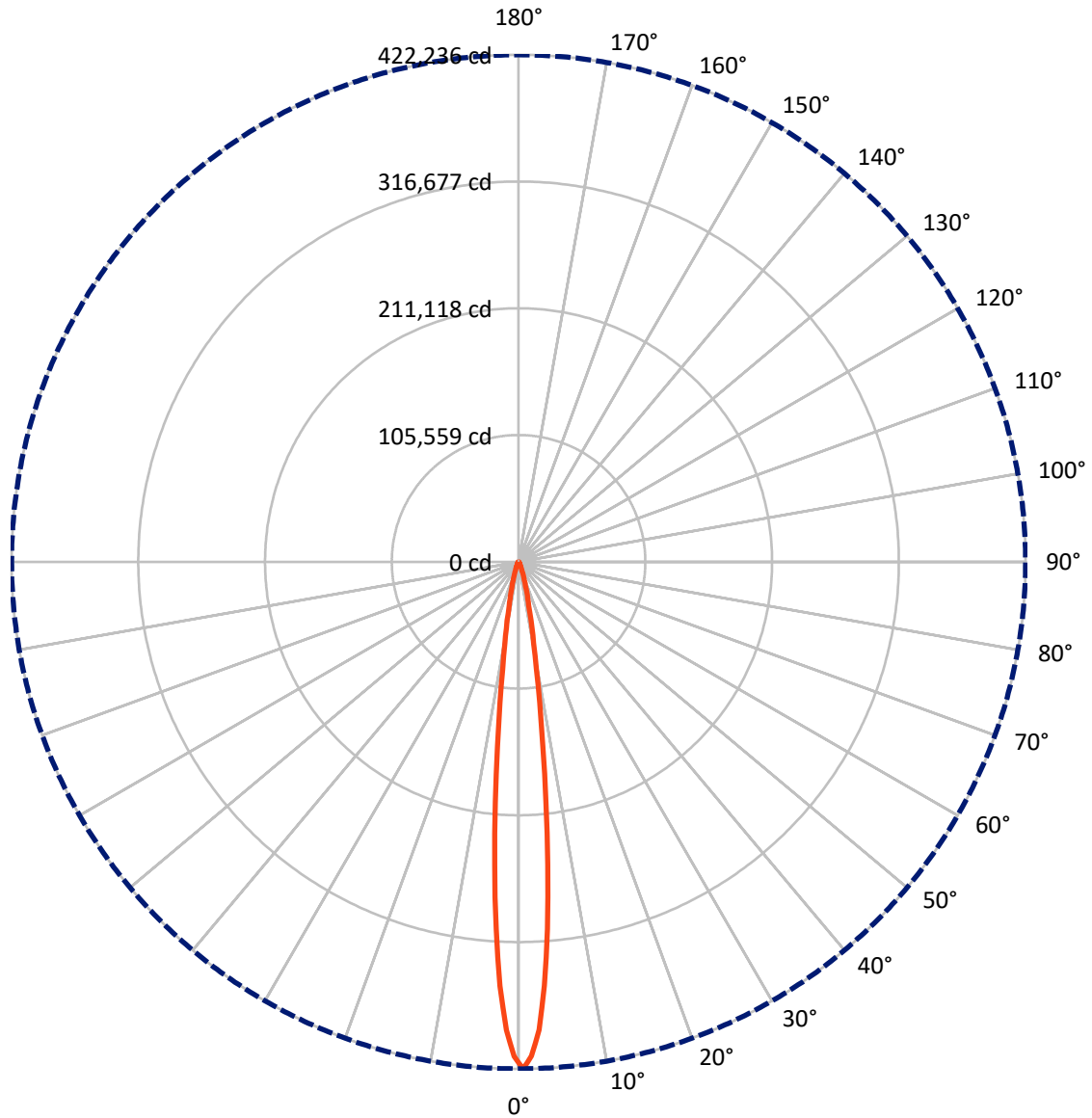
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1055.6 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
House Side	Lumens	14832.3	0.0	14832.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14832.3	0.0	14832.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	29664.5	0.0	29664.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18082.9	61.0
10°-20°	8101.3	27.3
20°-30°	1809.2	6.1
30°-40°	590.5	2.0
40°-50°	407.3	1.4
50°-60°	307.7	1.0
60°-70°	210.6	0.7
70°-80°	110.9	0.4
80°-90°	44.2	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°	29664.5	100.0
0°-180°	29664.5	100.0

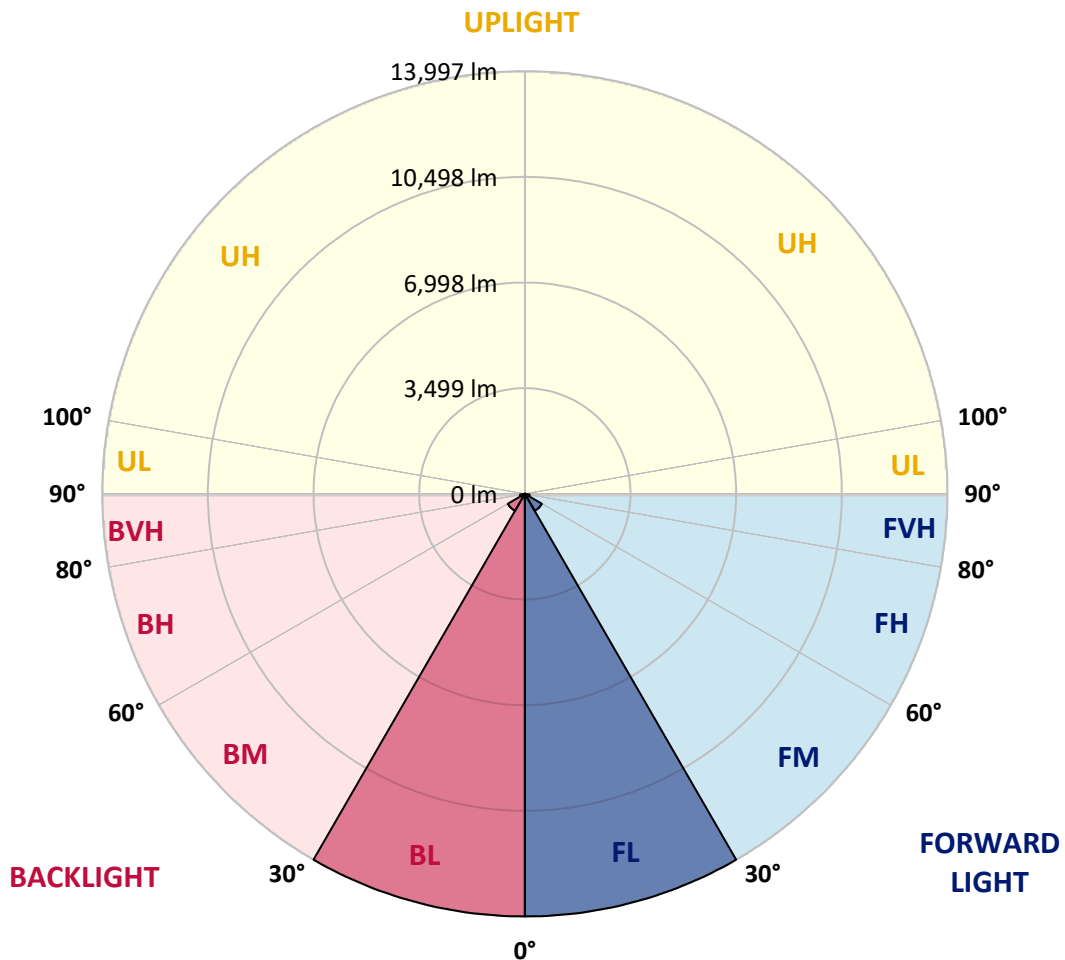


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13996.7	47.2			
FM (30°-60°)	652.7	2.2			
FH (60°-80°)	160.7	0.5			G0/660
FVH (80°-90°)	22.1	0.1			G1/100
BL (0°-30°)	13996.7	47.2	B5		
BM (30°-60°)	652.7	2.2	B1/1000		
BH (60°-80°)	160.7	0.5	B1/500		G0/660
BVH (80°-90°)	22.1	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°	422235.5	422235.5	422235.5	422235.5	422235.5	422235.5	422235.5	422235.5	422235.5	422235.5
1°	411752.4	412312.5	411689.0	414838.2	416138.0	416814.3	416893.6	418669.0	417300.4	417680.9
2°	390051.8	391298.8	389211.6	391230.1	395266.9	396793.9	394305.2	397380.4	396281.4	396920.7
3°	353588.1	355115.1	352230.2	354697.7	359891.7	361054.2	356975.0	361344.8	361233.8	362153.2
4°	306588.5	309066.6	304945.2	307867.2	310165.7	314213.1	310260.8	315232.8	315137.7	316733.5
5°	253237.8	255916.7	252334.2	255367.1	257544.1	259050.0	257602.2	263102.7	263451.4	265099.9
6°	201033.6	203532.8	199533.0	202428.5	205878.9	206497.1	206121.9	210856.2	211907.7	210623.7
7°	154715.6	155339.1	154710.3	157341.7	160110.4	160210.8	160696.9	164860.5	165785.2	165341.4
8°	118489.7	115636.5	118088.1	119483.1	120339.1	124270.2	124560.8	126658.5	128359.9	128481.4
9°	90194.8	87552.9	90390.4	90945.2	92910.7	96403.3	95964.8	98258.0	99325.3	99256.6
10°	68763.7	67421.6	68842.9	69455.8	71072.7	74031.6	74544.2	75595.6	76388.2	76906.0
12.5°	37314.4	37626.1	38450.4	39095.0	41271.9	42059.2	42376.3	42466.1	42460.8	42545.3
15°	23180.1	23433.8	24009.7	25177.4	26503.7	27481.2	27618.5	27111.3	26672.7	26604.0
17.5°	14456.5	14356.1	15708.8	16987.5	18583.2	19090.5	18562.1	17980.8	17383.8	17040.3
20°	8676.0	8744.7	9204.4	9775.1	11064.3	11941.4	11391.9	10800.1	10181.9	9775.1
22.5°	4929.8	5003.8	5204.6	5500.5	5991.9	6789.7	6441.0	5843.9	5405.4	5225.7
25°	2911.4	2911.4	3032.9	3165.0	3371.1	3556.0	3482.0	3165.0	2906.1	2832.1
27.5°	1886.3	1870.5	1912.7	1976.1	2071.3	2081.8	1997.3	1902.2	1770.1	1722.5
30°	1379.1	1384.4	1379.1	1405.5	1400.2	1363.2	1310.4	1315.7	1262.8	1257.5
32.5°	1120.2	1125.5	1125.5	1120.2	1093.8	1035.6	998.6	1035.6	1025.1	1014.5
35°	930.0	935.2	988.1	982.8	940.5	877.1	850.7	893.0	924.7	877.1
37.5°	803.1	808.4	850.7	871.8	819.0	776.7	745.0	782.0	829.6	776.7
40°	708.0	713.3	723.9	729.2	702.7	681.6	665.8	676.3	697.5	671.0
42.5°	623.5	618.2	623.5	618.2	586.5	597.1	586.5	570.7	586.5	565.4
45°	544.2	544.2	544.2	528.4	496.7	517.8	507.2	491.4	496.7	480.8
47.5°	496.7	496.7	496.7	475.5	449.1	449.1	454.4	428.0	433.3	428.0
50°	449.1	449.1	459.7	438.6	417.4	401.6	406.9	385.7	391.0	385.7
52.5°	412.1	412.1	412.1	401.6	385.7	375.2	364.6	354.0	348.7	343.4
55°	396.3	396.3	391.0	359.3	354.0	343.4	322.3	317.0	306.5	301.2
57.5°	369.9	369.9	364.6	338.2	317.0	317.0	285.3	280.0	264.2	264.2
60°	327.6	327.6	322.3	317.0	290.6	274.8	253.6	243.1	227.2	221.9
62.5°	311.7	311.7	301.2	274.8	269.5	243.1	221.9	200.8	190.2	179.6
65°	290.6	285.3	280.0	253.6	232.5	216.6	190.2	163.8	153.2	132.1
67.5°	258.9	258.9	253.6	232.5	211.4	184.9	158.5	137.4	111.0	95.1
70°	227.2	221.9	221.9	200.8	184.9	163.8	126.8	105.7	79.3	63.4
72.5°	190.2	190.2	184.9	169.1	158.5	142.7	111.0	84.5	52.8	42.3
75°	153.2	153.2	147.9	137.4	132.1	116.2	95.1	74.0	42.3	21.1
77.5°	126.8	121.5	121.5	111.0	105.7	95.1	79.3	58.1	31.7	15.9
80°	95.1	95.1	100.4	95.1	84.5	79.3	68.7	52.8	26.4	10.6
82.5°	68.7	68.7	74.0	74.0	74.0	68.7	68.7	52.8	26.4	5.3
85°	47.6	47.6	58.1	52.8	52.8	58.1	84.5	68.7	21.1	5.3
87.5°	26.4	26.4	26.4	21.1	21.1	26.4	31.7	26.4	10.6	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
422235.5
414885.7
394638.1
359685.6
313933.0
261950.8
210755.8
164733.7
126949.1
100873.5
77212.5
42614.0
26392.7
16987.5
9864.9
5246.8
2821.6
1722.5
1252.3
993.4
866.5
771.4
660.5
565.4
480.8
428.0
385.7
343.4
295.9
264.2
211.4
174.4
126.8
95.1
63.4
37.0
21.1
10.6
5.3
5.3
5.3
5.3
0.0

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