

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: P635890

Luminaire Tested: **IFLD-L-SA7D-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635890
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-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22924.5 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

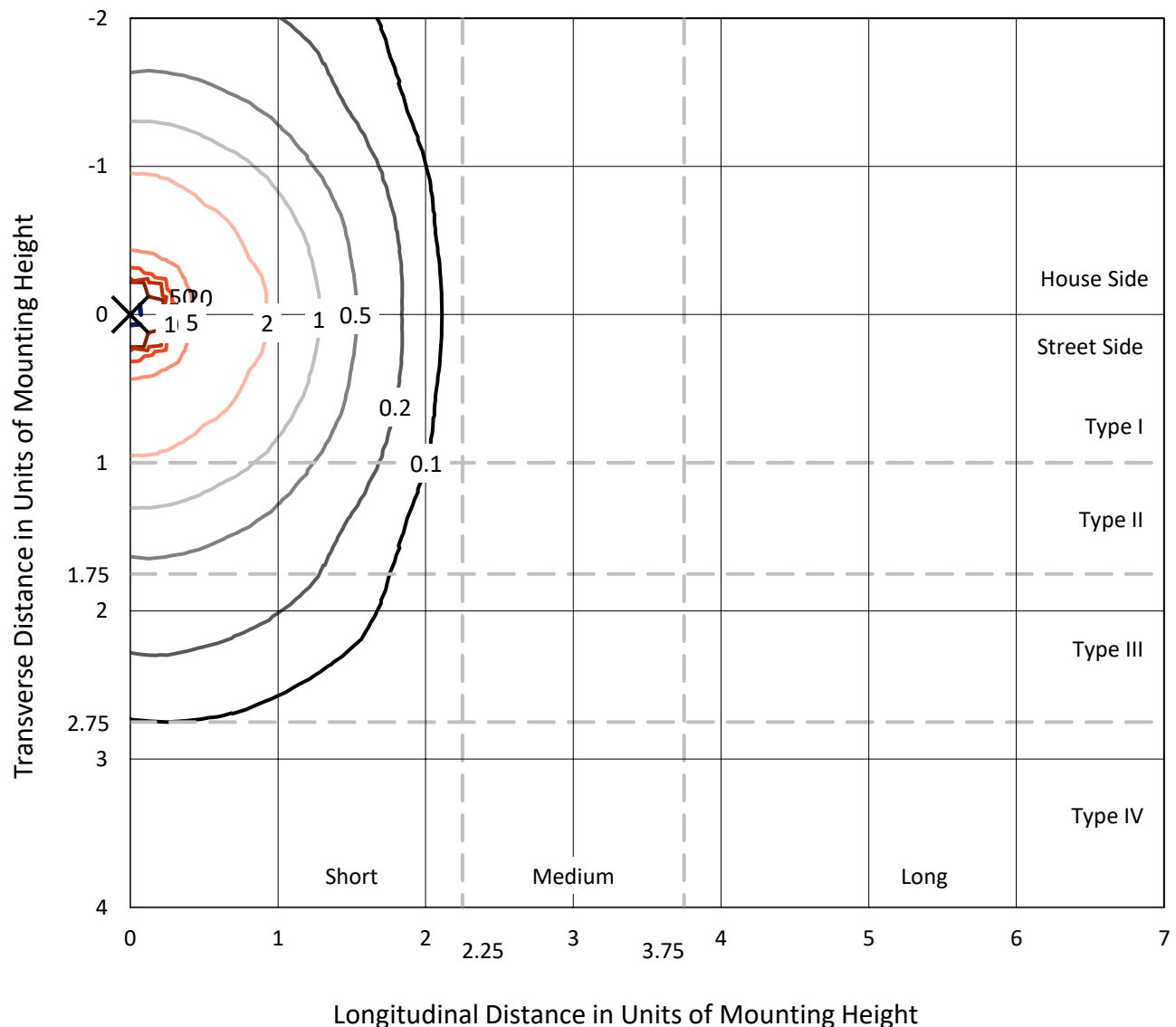
Input Watts (W): 422.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

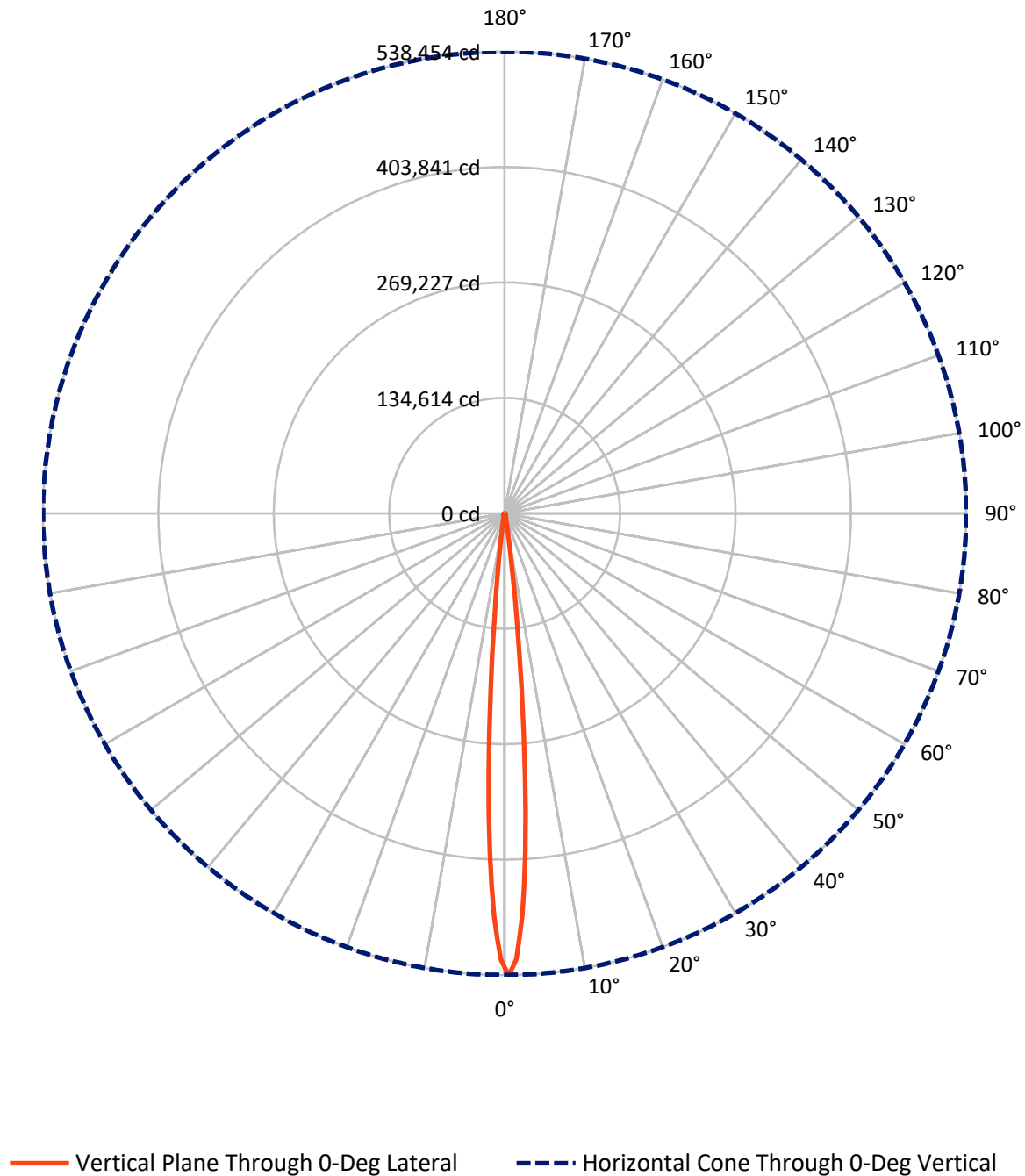
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1346.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11462.2	0.0	11462.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11462.2	0.0	11462.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	22924.5	0.0	22924.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14469.4	63.1
10°-20°	1788.2	7.8
20°-30°	1071.4	4.7
30°-40°	1152.0	5.0
40°-50°	1549.0	6.8
50°-60°	1380.8	6.0
60°-70°	912.1	4.0
70°-80°	452.2	2.0
80°-90°	149.3	0.7
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°	22924.5	100.0
0°-180°	22924.5	100.0

Coefficient of Utilization



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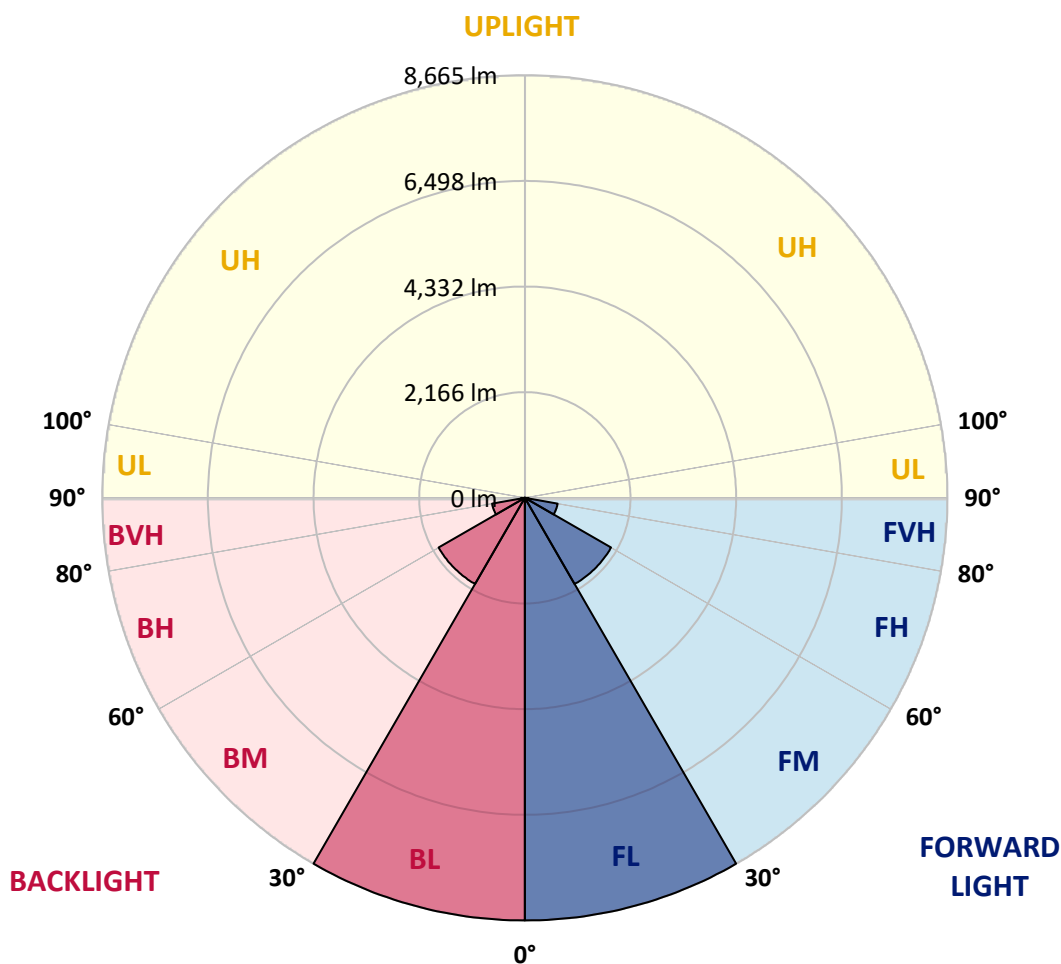
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8664.5	37.8			
FM	(30°-60°)	2040.9	8.9			
FH	(60°-80°)	682.1	3.0			G1/1800
FVH	(80°-90°)	74.7	0.3			G1/100
BL	(0°-30°)	8664.5	37.8	B5		
BM	(30°-60°)	2040.9	8.9	B2/2500		
BH	(60°-80°)	682.1	3.0	B2/1000		G1/1800
BVH	(80°-90°)	74.7	0.3			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°	538454.4	538454.4	538454.4	538454.4	538454.4	538454.4	538454.4	538454.4	538454.4	538454.4
1°	520406.2	515064.7	517812.0	520437.9	524120.4	525742.5	527396.2	528632.5	528611.4	530650.8
2°	470705.1	462098.4	466087.4	470979.8	480442.4	483158.1	487696.6	493312.8	493656.3	498738.9
3°	396747.8	384664.6	390539.8	399252.1	414938.6	418996.3	426271.5	431407.0	429114.0	435063.1
4°	304451.7	288686.0	297662.5	310559.4	325828.4	341319.4	341625.9	345308.4	337747.8	337383.3
5°	205403.5	191502.8	203020.7	219150.9	232343.6	243169.4	249837.0	250296.7	242123.2	241378.3
6°	125275.1	116076.7	126099.4	143170.1	161445.4	165946.9	166966.6	164652.5	153932.4	147999.1
7°	69239.2	65488.0	75283.4	85469.9	99719.2	106307.7	101748.1	94351.3	91070.3	84006.4
8°	38183.3	36334.1	39129.0	47931.2	58989.4	63316.5	58915.4	51233.3	45701.6	43746.7
9°	23019.9	21994.9	23136.1	26485.8	31262.0	34263.0	31742.8	27959.9	25624.6	24974.7
10°	15290.2	14888.7	15374.7	16505.4	18222.5	19099.6	18470.8	16970.3	16262.4	16220.1
12.5°	8025.5	7951.5	8073.1	8199.9	8495.7	8543.3	8432.3	8326.7	8162.9	8226.3
15°	5167.2	5098.5	5225.3	5389.1	5463.1	5510.6	5515.9	5457.8	5346.8	5294.0
17.5°	3767.1	3782.9	3793.5	3888.6	4031.2	4142.2	4094.6	4031.2	3904.4	3841.0
20°	3101.4	3106.7	3127.8	3180.6	3228.2	3381.4	3333.8	3238.7	3117.2	3069.7
22.5°	2652.3	2662.8	2673.4	2705.1	2715.7	2757.9	2763.2	2678.7	2610.0	2583.6
25°	2335.3	2335.3	2351.1	2377.5	2388.1	2356.4	2361.7	2324.7	2261.3	2229.6
27.5°	1981.3	1991.8	2007.7	2018.3	1997.1	1960.1	1912.6	1944.3	1912.6	1838.6
30°	1764.7	1775.2	1822.8	1791.1	1743.5	1696.0	1669.6	1711.8	1717.1	1653.7
32.5°	1748.8	1754.1	1769.9	1754.1	1696.0	1637.9	1600.9	1648.4	1659.0	1632.6
35°	1828.1	1812.2	1833.3	1843.9	1785.8	1722.4	1674.8	1717.1	1748.8	1759.4
37.5°	2213.8	2123.9	2055.2	2034.1	1997.1	1954.9	1891.5	1902.0	1960.1	2013.0
40°	2108.1	2087.0	2060.5	1991.8	1923.2	1976.0	1902.0	1880.9	2013.0	2023.5
42.5°	2092.2	2108.1	2087.0	2002.4	1933.7	1986.6	1970.7	1907.3	2039.4	2023.5
45°	2102.8	2118.7	2166.2	2023.5	1965.4	1991.8	2023.5	1954.9	2087.0	2034.1
47.5°	2018.3	2039.4	2092.2	2013.0	1976.0	1970.7	2018.3	1954.9	2023.5	2018.3
50°	1907.3	1928.4	1944.3	1875.6	1944.3	1907.3	1912.6	1886.2	1886.2	1896.7
52.5°	1764.7	1785.8	1801.6	1722.4	1764.7	1780.5	1717.1	1711.8	1664.3	1680.1
55°	1590.3	1622.0	1637.9	1606.2	1585.0	1616.7	1526.9	1516.3	1421.2	1426.5
57.5°	1389.5	1421.2	1437.1	1474.1	1458.2	1394.8	1342.0	1299.7	1194.1	1151.8
60°	1431.8	1463.5	1431.8	1326.1	1326.1	1183.5	1135.9	1046.1	940.4	887.6
62.5°	1384.3	1426.5	1421.2	1310.3	1178.2	998.6	914.0	818.9	713.3	644.6
65°	1305.0	1347.3	1326.1	1252.2	1125.4	855.9	729.1	634.0	501.9	486.1
67.5°	1172.9	1236.3	1194.1	1146.5	1046.1	776.7	581.2	475.5	364.6	364.6
70°	972.1	1019.7	1046.1	993.3	935.2	729.1	496.6	364.6	264.2	200.8
72.5°	781.9	824.2	866.5	840.1	787.2	660.4	443.8	290.6	190.2	116.2
75°	433.2	449.1	464.9	528.3	602.3	538.9	406.8	253.6	158.5	89.8
77.5°	332.9	348.7	385.7	354.0	327.6	417.4	443.8	295.9	137.4	63.4
80°	258.9	280.0	396.3	327.6	280.0	317.0	380.4	258.9	89.8	31.7
82.5°	195.5	211.3	280.0	311.7	295.9	237.8	206.1	174.4	79.3	21.1
85°	142.7	163.8	195.5	174.4	169.1	169.1	227.2	153.2	58.1	15.9
87.5°	84.5	84.5	89.8	84.5	79.3	79.3	89.8	74.0	37.0	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

538454.4

526550.8

494248.0

428701.9

335777.1

238361.4

148516.9

80688.4

41971.5

24092.4

15718.2

7988.5

5209.5

3772.4

3016.8

2551.9

2203.2

1843.9

1632.6

1616.7

1759.4

2060.5

2039.4

2013.0

2018.3

2007.7

1859.8

1653.7

1389.5

1125.4

845.3

634.0

486.1

322.3

179.6

111.0

79.3

31.7

21.1

15.9

10.6

10.6

0.0

OF REPORT)