

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: P560990

Luminaire Tested: **SDL-PA1-70-830-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-830-U-5WQ-A
Description: Springdale
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6512.2 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

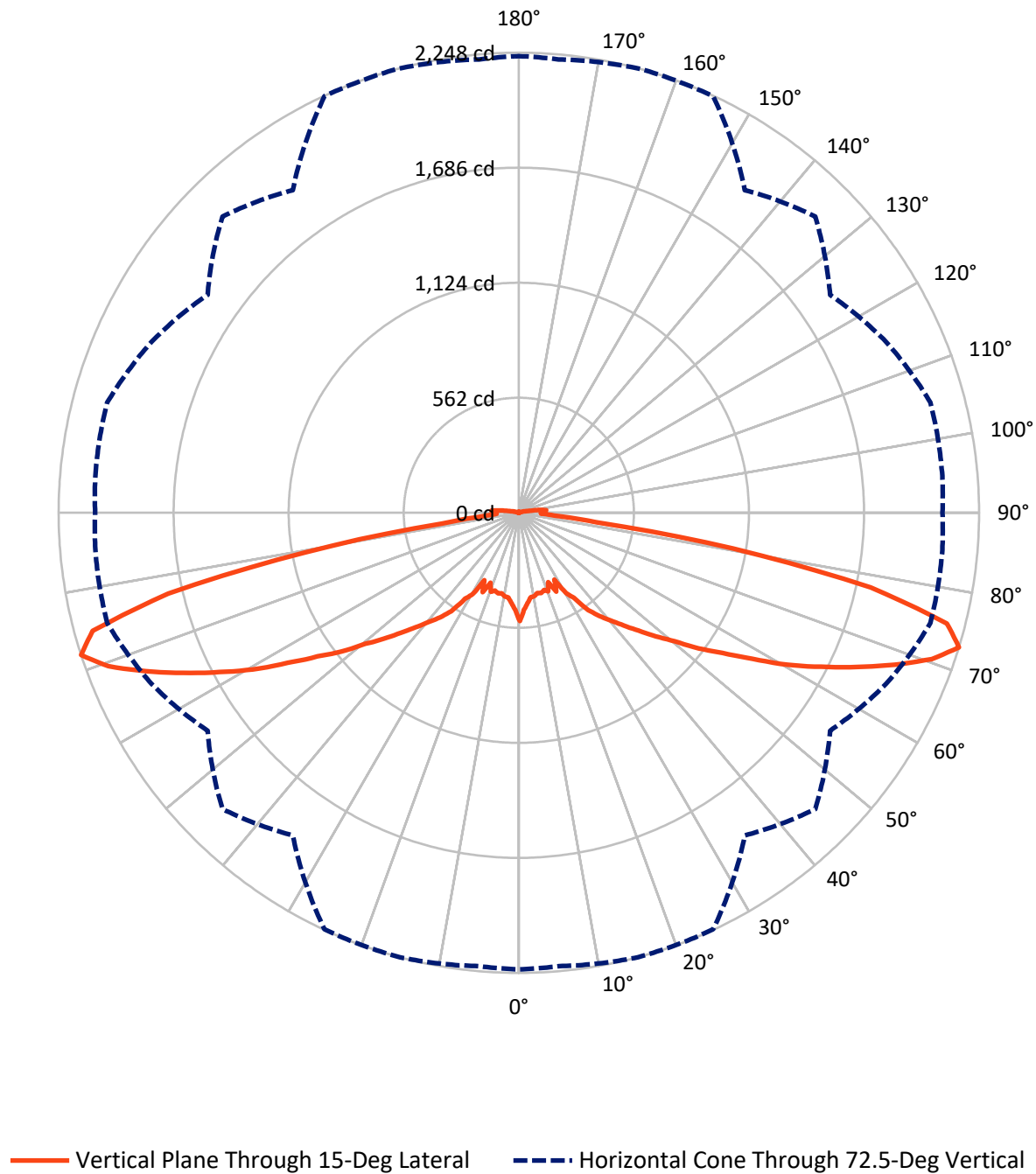
Input Watts (W): 72.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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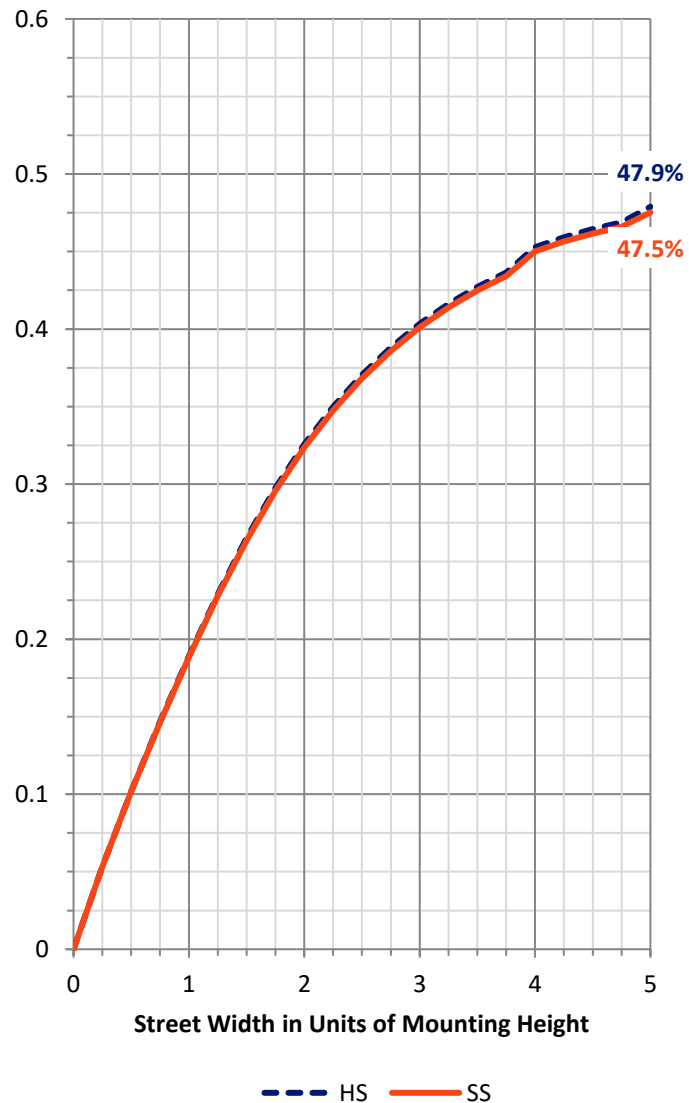
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3157.2	98.9	3256.1
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3157.2	98.9	3256.1
	% Fixture	48.5	1.5	50.0
Total	Lumens	6314.4	197.8	6512.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	0.6
10°-20°	96.1	1.5
20°-30°	168.7	2.6
30°-40°	325.7	5.0
40°-50°	566.0	8.7
50°-60°	997.4	15.3
60°-70°	1685.1	25.9
70°-80°	1980.9	30.4
80°-90°	452.8	7.0
90°-100°	149.4	2.3
100°-110°	35.2	0.5
110°-120°	5.7	0.1
120°-130°	4.6	0.1
130°-140°	1.9	0.0
140°-150°	0.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6314.4	97.0
0°-180°	6512.2	100.0

Coefficient of Utilization



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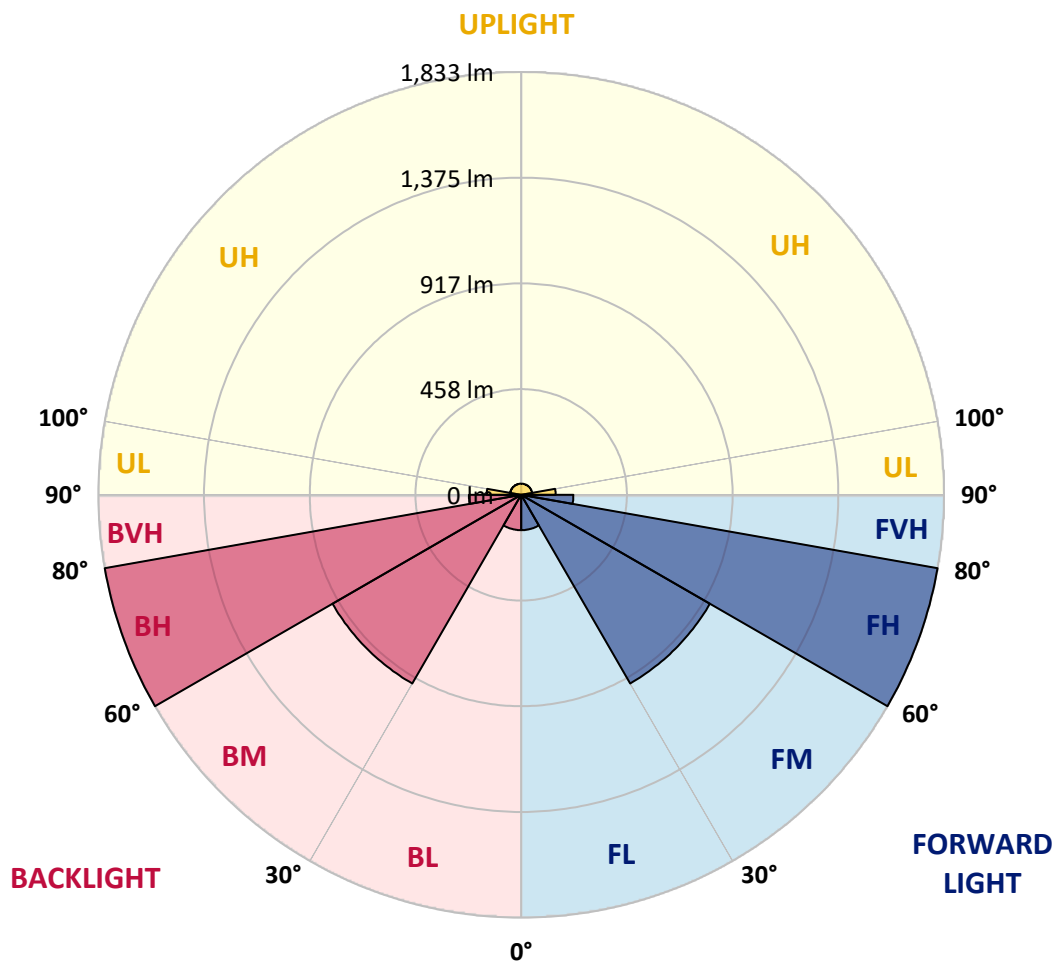
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.3	2.4			
FM	(30°-60°)	944.5	14.5			
FH	(60°-80°)	1833.0	28.1			G2/5000
FVH	(80°-90°)	226.4	3.5			G3/500
BL	(0°-30°)	153.3	2.4	B1/500		
BM	(30°-60°)	944.5	14.5	B1/1000		
BH	(60°-80°)	1833.0	28.1	B3/2500		G2/5000
BVH	(80°-90°)	226.4	3.5			G3/500
UL	(90°-100°)	149.4	2.3		U3/500	
UH	(100°-180°)	48.4	0.7		U2/50	

BUG Rating: B3-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5
2.5°	468.2	478.0	475.5	492.7	507.4	512.3	522.1	522.1	524.6	524.6	524.6
5°	443.7	443.7	443.7	443.7	443.7	441.2	451.0	495.2	509.9	512.3	509.9
7.5°	384.9	397.1	416.7	424.1	431.4	429.0	424.1	397.1	438.8	443.7	446.1
10°	414.3	414.3	414.3	409.4	389.8	372.6	353.0	333.4	340.7	384.9	384.9
12.5°	367.7	365.2	402.0	406.9	370.1	323.6	308.9	316.2	294.2	335.8	335.8
15°	414.3	414.3	406.9	382.4	306.4	323.6	274.5	277.0	313.8	362.8	362.8
17.5°	353.0	355.4	397.1	372.6	333.4	259.8	304.0	274.5	281.9	308.9	311.3
20°	421.6	421.6	409.4	318.7	313.8	323.6	279.4	272.1	313.8	362.8	365.2
22.5°	362.8	362.8	367.7	370.1	323.6	318.7	279.4	316.2	296.6	296.6	330.9
25°	438.8	438.8	426.5	338.3	355.4	308.9	323.6	296.6	362.8	399.6	399.6
27.5°	384.9	384.9	370.1	384.9	343.2	367.7	323.6	350.5	389.8	470.6	475.5
30°	468.2	468.2	455.9	382.4	379.9	357.9	360.3	406.9	502.5	554.0	554.0
32.5°	568.7	571.1	495.2	438.8	384.9	411.8	392.2	463.3	524.6	578.5	581.0
35°	610.4	610.4	583.4	509.9	419.2	433.9	426.5	490.3	563.8	607.9	607.9
37.5°	659.4	659.4	639.8	546.6	460.8	480.5	446.1	527.0	607.9	647.1	642.2
40°	710.9	703.5	691.3	585.9	505.0	509.9	480.5	566.2	649.6	688.8	688.8
42.5°	774.6	774.6	752.5	652.0	549.1	556.4	512.3	615.3	710.9	757.4	759.9
45°	845.7	843.2	821.2	725.6	603.0	615.3	566.2	681.5	786.9	831.0	835.9
47.5°	929.0	929.0	902.1	804.0	671.7	683.9	627.5	747.6	880.0	919.2	924.1
50°	1017.3	1009.9	985.4	894.7	762.3	757.4	696.2	821.2	978.1	1005.0	1014.8
52.5°	1120.2	1110.4	1100.6	997.7	862.9	865.3	784.4	899.6	1090.8	1105.5	1110.4
55°	1223.2	1215.8	1208.5	1125.1	973.2	987.9	902.1	1007.5	1203.6	1213.4	1223.2
57.5°	1338.4	1345.8	1345.8	1267.3	1098.2	1134.9	1029.5	1142.3	1338.4	1331.0	1328.6
60°	1505.1	1490.4	1507.5	1436.5	1269.8	1299.2	1186.4	1306.5	1468.3	1438.9	1431.5
62.5°	1639.9	1637.5	1657.1	1625.2	1429.1	1502.6	1340.9	1463.4	1590.9	1566.4	1568.8
65°	1794.3	1791.9	1816.4	1801.7	1595.8	1688.9	1510.0	1639.9	1738.0	1711.0	1706.1
67.5°	1943.9	1951.2	1980.6	2000.2	1730.6	1850.7	1671.8	1806.6	1882.6	1838.5	1843.4
70°	2127.7	2115.5	2140.0	2142.4	1840.9	1968.4	1796.8	1912.0	2005.1	1975.7	1970.8
72.5°	2230.7	2223.3	2247.8	2245.4	1924.3	2046.8	1855.6	1978.2	2081.1	2076.2	2068.9
75°	2117.9	2127.7	2159.6	2203.7	1929.2	2090.9	1848.3	1934.1	2015.0	1988.0	1980.6
77.5°	1662.0	1681.6	1757.6	1899.7	1799.2	2073.8	1718.3	1696.3	1713.4	1681.6	1662.0
80°	882.5	899.6	1061.4	1304.1	1443.8	1801.7	1443.8	1233.0	1051.6	921.7	811.4
82.5°	281.9	304.0	379.9	600.6	911.9	1255.1	835.9	473.1	326.0	279.4	262.3
85°	154.4	159.3	171.6	232.9	321.1	507.4	340.7	201.0	176.5	169.1	166.7
87.5°	129.9	132.4	107.9	132.4	154.4	159.3	154.4	110.3	112.8	125.0	122.6
90°	137.3	137.3	110.3	129.9	154.4	156.9	154.4	115.2	112.8	132.4	129.9
92.5°	149.5	149.5	125.0	139.7	171.6	166.7	166.7	120.1	125.0	142.2	142.2
95°	159.3	156.9	134.8	142.2	181.4	186.3	181.4	127.5	134.8	154.4	154.4
97.5°	117.7	112.8	98.1	127.5	171.6	196.1	181.4	120.1	105.4	117.7	115.2
100°	56.4	53.9	51.5	95.6	134.8	149.5	129.9	85.8	46.6	29.4	29.4
102.5°	12.3	12.3	34.3	66.2	78.4	78.4	71.1	58.8	29.4	9.8	9.8
105°	9.8	12.3	24.5	36.8	39.2	22.1	34.3	36.8	17.2	9.8	9.8
107.5°	9.8	12.3	9.8	12.3	12.3	9.8	12.3	14.7	7.4	9.8	9.8
110°	12.3	12.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	12.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.3	12.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	12.3
115°	9.8	9.8	4.9	4.9	4.9	4.9	2.5	4.9	4.9	9.8	9.8
117.5°	9.8	9.8	4.9	2.5	2.5	2.5	2.5	4.9	4.9	9.8	12.3
120°	12.3	9.8	4.9	2.5	2.5	2.5	2.5	2.5	7.4	12.3	12.3
122.5°	12.3	12.3	4.9	2.5	2.5	2.5	2.5	2.5	7.4	12.3	14.7
125°	12.3	9.8	4.9	2.5	2.5	2.5	2.5	2.5	4.9	12.3	12.3
127.5°	9.8	9.8	4.9	2.5	2.5	2.5	2.5	2.5	4.9	9.8	12.3
130°	9.8	9.8	4.9	2.5	2.5	2.5	2.5	2.5	4.9	9.8	9.8
132.5°	7.4	7.4	4.9	2.5	2.5	0.0	2.5	2.5	4.9	7.4	7.4
135°	4.9	4.9	2.5	0.0	2.5	0.0	2.5	0.0	2.5	4.9	7.4
137.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
140°	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.5	0.0	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5
150°	2.5	2.5	4.9	2.5	2.5	0.0	2.5	2.5	0.0	0.0	2.5
152.5°	4.9	4.9	4.9	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5
155°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	4.9	4.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)