

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: P560814

Luminaire Tested: **SDL-PA1-60-830-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560814
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-PA1-60-830-U-5WQ-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 5743 lumens
Efficiency: N/A
Efficacy: 92.0 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 - G2

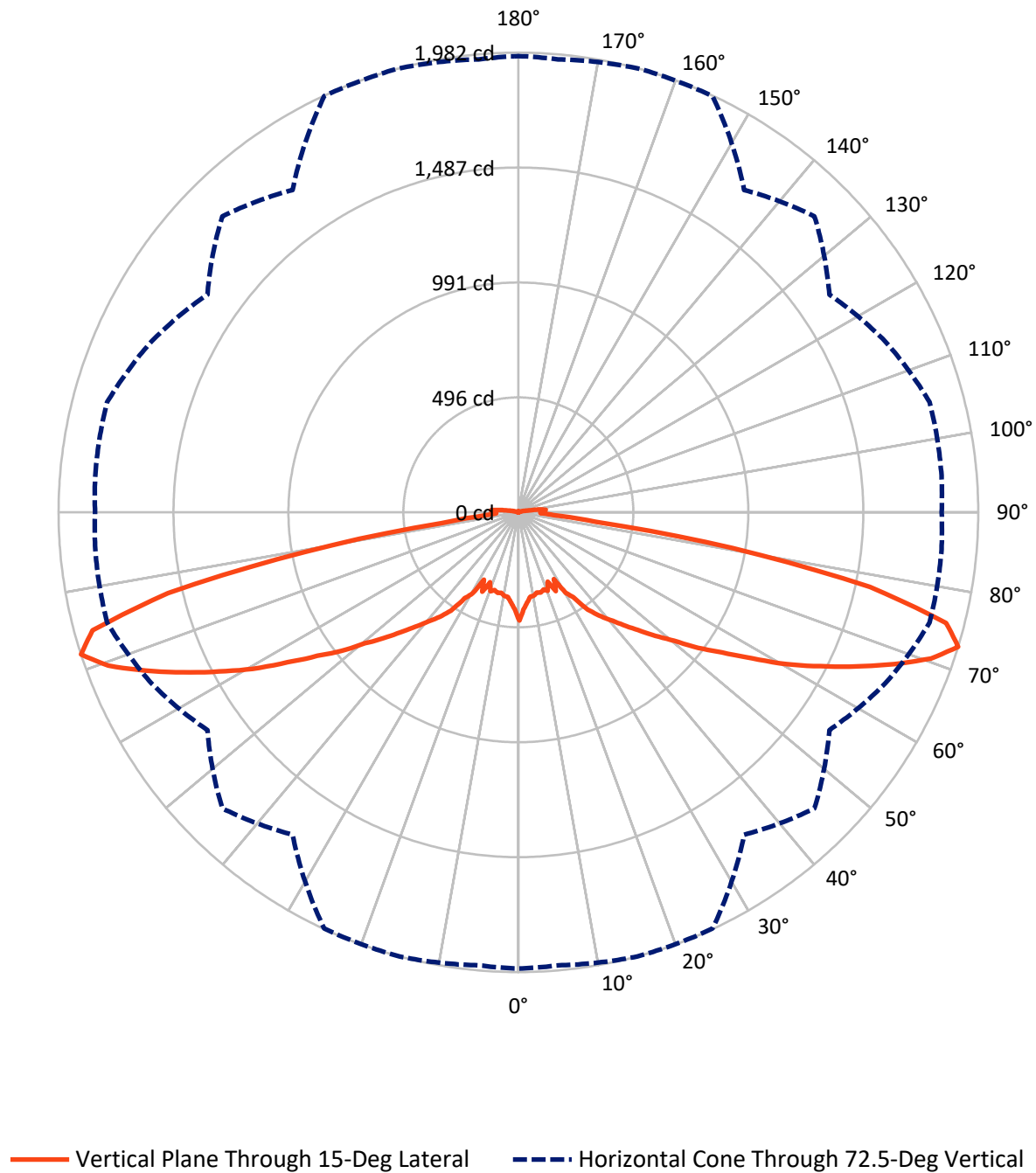
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560814

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560814

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ-A

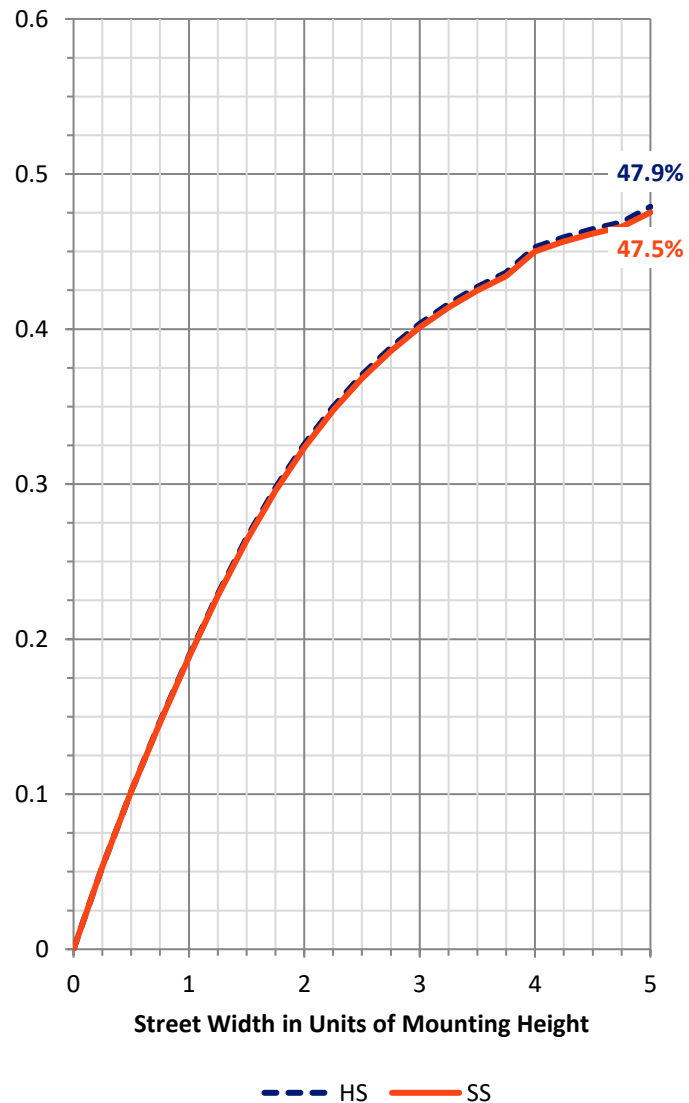
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2784.3	87.2	2871.5
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2784.3	87.2	2871.5
	% Fixture	48.5	1.5	50.0
Total	Lumens	5568.7	174.4	5743.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	0.6
10°-20°	84.7	1.5
20°-30°	148.8	2.6
30°-40°	287.2	5.0
40°-50°	499.2	8.7
50°-60°	879.6	15.3
60°-70°	1486.1	25.9
70°-80°	1747.0	30.4
80°-90°	399.3	7.0
90°-100°	131.8	2.3
100°-110°	31.0	0.5
110°-120°	5.0	0.1
120°-130°	4.0	0.1
130°-140°	1.6	0.0
140°-150°	0.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5568.7	97.0
0°-180°	5743.0	100.0



REPORT NUMBER: P560814

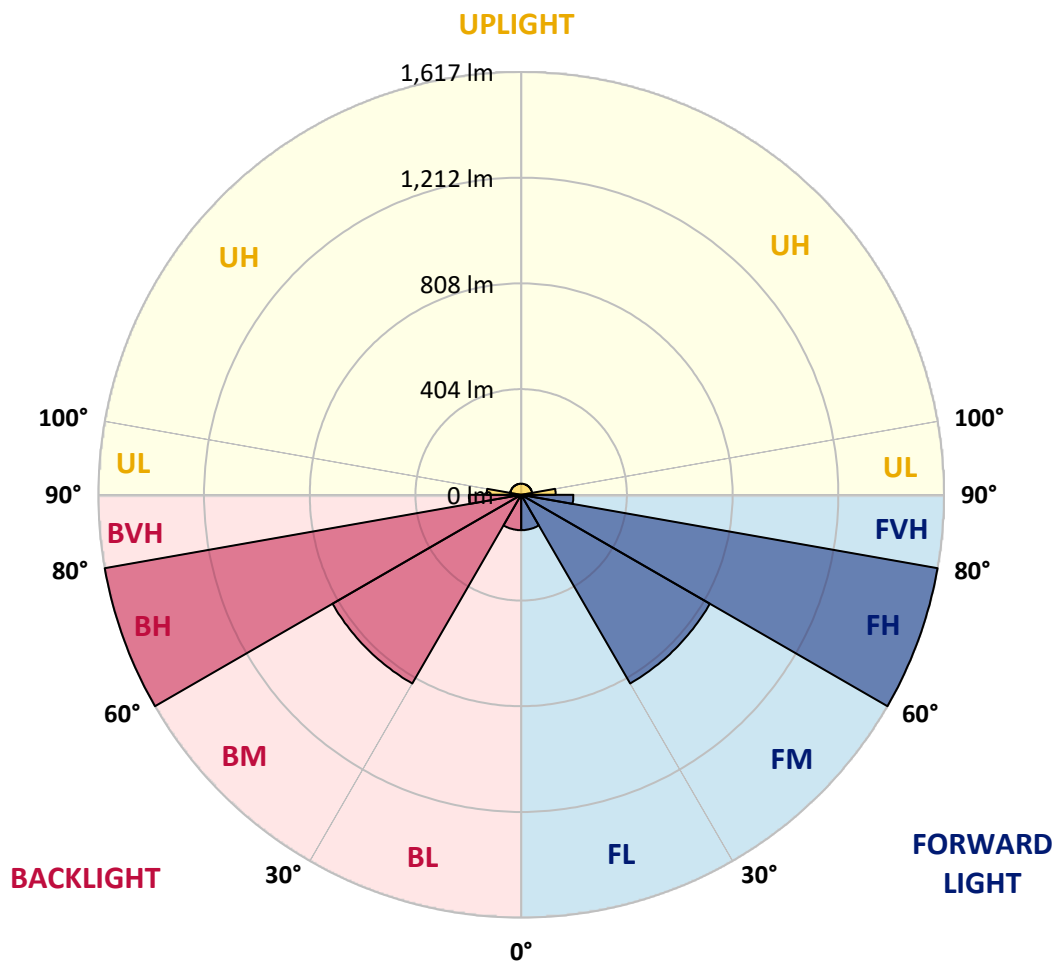
CATALOG NUMBER: SDL-PA1-60-830-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.2	2.4			
FM	(30°-60°)	833.0	14.5			
FH	(60°-80°)	1616.5	28.1			G1/1800
FVH	(80°-90°)	199.7	3.5			G2/225
BL	(0°-30°)	135.2	2.4	B1/500		
BM	(30°-60°)	833.0	14.5	B1/1000		
BH	(60°-80°)	1616.5	28.1	B3/2500		G1/1800
BVH	(80°-90°)	199.7	3.5			G2/225
UL	(90°-100°)	131.8	2.3		U3/500	
UH	(100°-180°)	42.6	0.7		U2/50	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P560814

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9	466.9
2.5°	412.9	421.5	419.4	434.5	447.5	451.8	460.5	460.5	462.6	462.6	462.6
5°	391.3	391.3	391.3	391.3	391.3	389.1	397.8	436.7	449.7	451.8	449.7
7.5°	339.4	350.2	367.5	374.0	380.5	378.3	374.0	350.2	387.0	391.3	393.4
10°	365.3	365.3	365.3	361.0	343.7	328.6	311.3	294.0	300.5	339.4	339.4
12.5°	324.3	322.1	354.5	358.9	326.4	285.4	272.4	278.9	259.4	296.2	296.2
15°	365.3	365.3	358.9	337.2	270.2	285.4	242.1	244.3	276.7	319.9	319.9
17.5°	311.3	313.5	350.2	328.6	294.0	229.2	268.1	242.1	248.6	272.4	274.5
20°	371.8	371.8	361.0	281.0	276.7	285.4	246.4	240.0	276.7	319.9	322.1
22.5°	319.9	319.9	324.3	326.4	285.4	281.0	246.4	278.9	261.6	261.6	291.8
25°	387.0	387.0	376.2	298.3	313.5	272.4	285.4	261.6	319.9	352.4	352.4
27.5°	339.4	339.4	326.4	339.4	302.7	324.3	285.4	309.1	343.7	415.1	419.4
30°	412.9	412.9	402.1	337.2	335.1	315.6	317.8	358.9	443.2	488.6	488.6
32.5°	501.5	503.7	436.7	387.0	339.4	363.2	345.9	408.6	462.6	510.2	512.3
35°	538.3	538.3	514.5	449.7	369.7	382.6	376.2	432.4	497.2	536.1	536.1
37.5°	581.5	581.5	564.2	482.1	406.4	423.7	393.4	464.8	536.1	570.7	566.4
40°	626.9	620.4	609.6	516.7	445.3	449.7	423.7	499.4	572.9	607.5	607.5
42.5°	683.1	683.1	663.7	575.0	484.2	490.7	451.8	542.6	626.9	668.0	670.2
45°	745.8	743.7	724.2	639.9	531.8	542.6	499.4	601.0	693.9	732.8	737.2
47.5°	819.3	819.3	795.5	709.1	592.3	603.1	553.4	659.3	776.1	810.7	815.0
50°	897.1	890.7	869.0	789.1	672.3	668.0	613.9	724.2	862.6	886.3	895.0
52.5°	987.9	979.3	970.6	879.9	761.0	763.1	691.8	793.4	962.0	975.0	979.3
55°	1078.7	1072.2	1065.8	992.3	858.2	871.2	795.5	888.5	1061.4	1070.1	1078.7
57.5°	1180.3	1186.8	1186.8	1117.6	968.5	1000.9	908.0	1007.4	1180.3	1173.9	1171.7
60°	1327.3	1314.4	1329.5	1266.8	1119.8	1145.8	1046.3	1152.2	1294.9	1269.0	1262.5
62.5°	1446.2	1444.1	1461.4	1433.3	1260.3	1325.2	1182.5	1290.6	1403.0	1381.4	1383.5
65°	1582.4	1580.3	1601.9	1588.9	1407.3	1489.5	1331.7	1446.2	1532.7	1508.9	1504.6
67.5°	1714.3	1720.8	1746.7	1764.0	1526.2	1632.2	1474.3	1593.2	1660.3	1621.3	1625.7
70°	1876.4	1865.6	1887.2	1889.4	1623.5	1735.9	1584.6	1686.2	1768.3	1742.4	1738.1
72.5°	1967.2	1960.7	1982.4	1980.2	1697.0	1805.1	1636.5	1744.6	1835.4	1831.0	1824.6
75°	1867.8	1876.4	1904.5	1943.5	1701.3	1844.0	1630.0	1705.7	1777.0	1753.2	1746.7
77.5°	1465.7	1483.0	1550.0	1675.4	1586.8	1828.9	1515.4	1496.0	1511.1	1483.0	1465.7
80°	778.2	793.4	936.1	1150.1	1273.3	1588.9	1273.3	1087.4	927.4	812.8	715.6
82.5°	248.6	268.1	335.1	529.6	804.2	1106.8	737.2	417.2	287.5	246.4	231.3
85°	136.2	140.5	151.3	205.4	283.2	447.5	300.5	177.3	155.6	149.2	147.0
87.5°	114.6	116.7	95.1	116.7	136.2	140.5	136.2	97.3	99.4	110.3	108.1
90°	121.1	121.1	97.3	114.6	136.2	138.4	136.2	101.6	99.4	116.7	114.6
92.5°	131.9	131.9	110.3	123.2	151.3	147.0	147.0	105.9	110.3	125.4	125.4
95°	140.5	138.4	118.9	125.4	160.0	164.3	160.0	112.4	118.9	136.2	136.2
97.5°	103.8	99.4	86.5	112.4	151.3	172.9	160.0	105.9	93.0	103.8	101.6
100°	49.7	47.6	45.4	84.3	118.9	131.9	114.6	75.7	41.1	25.9	25.9
102.5°	10.8	10.8	30.3	58.4	69.2	69.2	62.7	51.9	25.9	8.6	8.6
105°	8.6	10.8	21.6	32.4	34.6	19.5	30.3	32.4	15.1	8.6	8.6
107.5°	8.6	10.8	8.6	10.8	10.8	8.6	10.8	13.0	6.5	8.6	8.6
110°	10.8	10.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	8.6	10.8

REPORT NUMBER: P560814

CATALOG NUMBER: SDL-PA1-60-830-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.8	10.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	8.6	10.8
115°	8.6	8.6	4.3	4.3	4.3	4.3	2.2	4.3	4.3	8.6	8.6
117.5°	8.6	8.6	4.3	2.2	2.2	2.2	2.2	4.3	4.3	8.6	10.8
120°	10.8	8.6	4.3	2.2	2.2	2.2	2.2	2.2	6.5	10.8	10.8
122.5°	10.8	10.8	4.3	2.2	2.2	2.2	2.2	2.2	6.5	10.8	13.0
125°	10.8	8.6	4.3	2.2	2.2	2.2	2.2	2.2	4.3	10.8	10.8
127.5°	8.6	8.6	4.3	2.2	2.2	2.2	2.2	2.2	4.3	8.6	10.8
130°	8.6	8.6	4.3	2.2	2.2	2.2	2.2	2.2	4.3	8.6	8.6
132.5°	6.5	6.5	4.3	2.2	2.2	0.0	2.2	2.2	4.3	6.5	6.5
135°	4.3	4.3	2.2	0.0	2.2	0.0	2.2	0.0	2.2	4.3	6.5
137.5°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
140°	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
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	2.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.2	0.0	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2
150°	2.2	2.2	4.3	2.2	2.2	0.0	2.2	2.2	0.0	0.0	2.2
152.5°	4.3	4.3	4.3	2.2	0.0	0.0	2.2	2.2	2.2	2.2	2.2
155°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	4.3	4.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
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)