

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385820

Luminaire Tested: GAW-SA1B-830-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1B-830-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5108 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

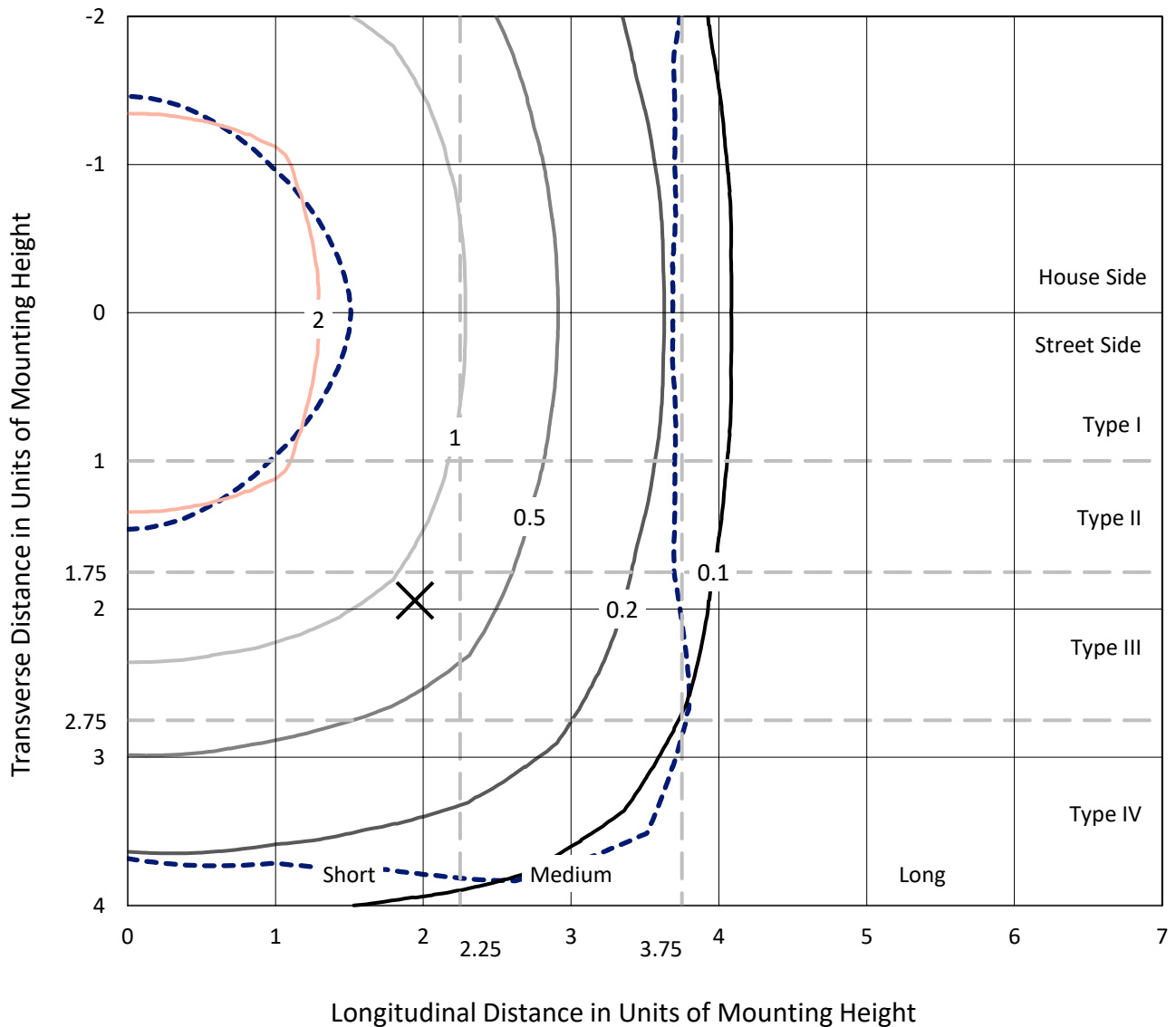
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

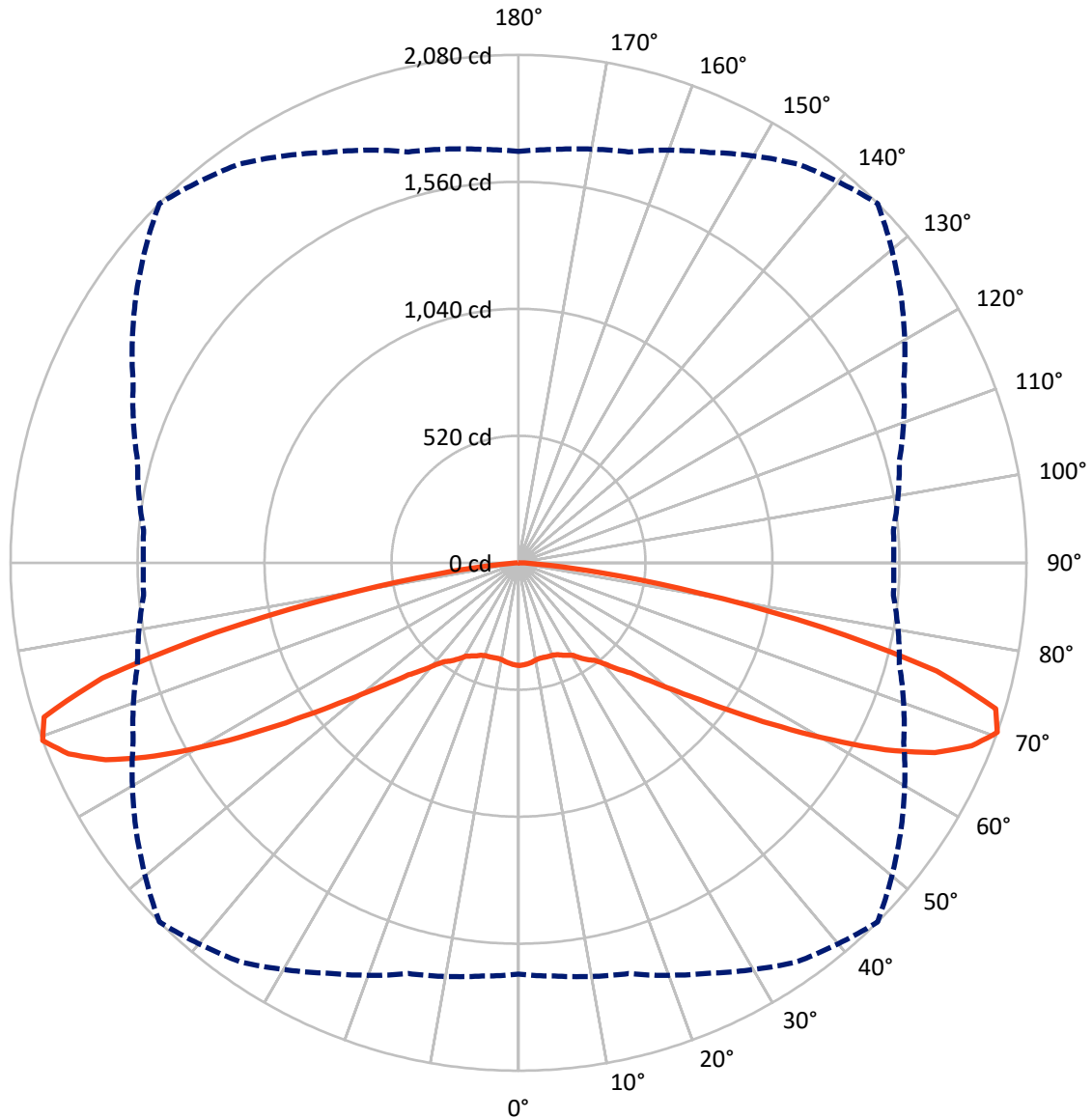
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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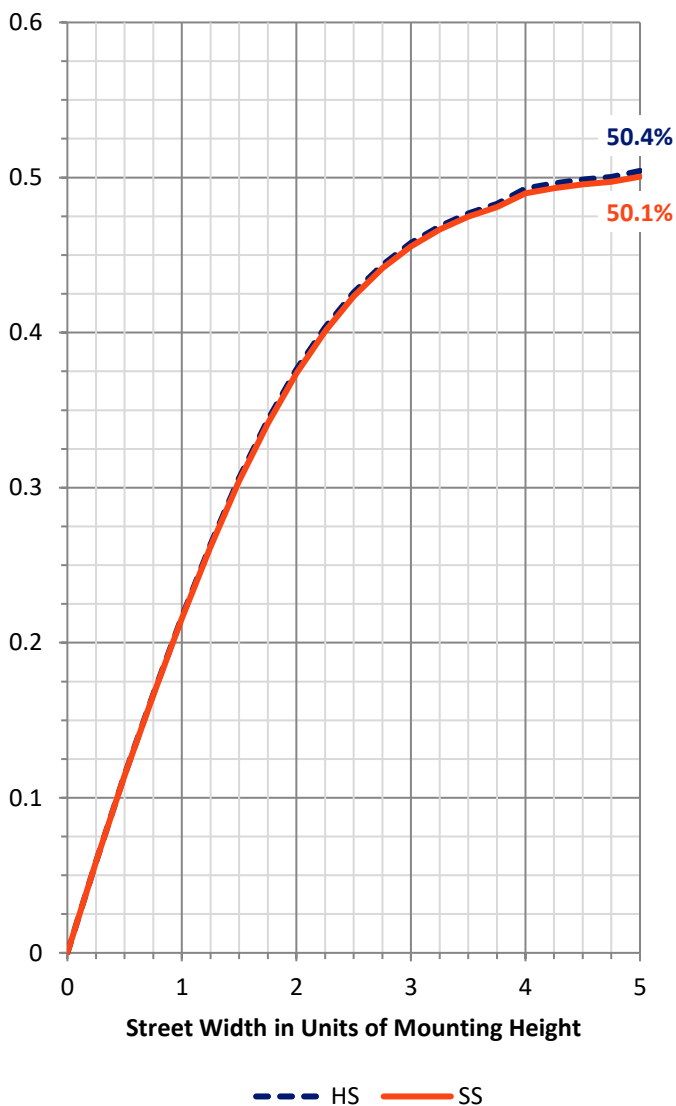
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2554.0	0.0	2554.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2554.0	0.0	2554.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5108.0	0.0	5108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	0.8
10°-20°	114.6	2.2
20°-30°	195.4	3.8
30°-40°	305.3	6.0
40°-50°	517.5	10.1
50°-60°	943.6	18.5
60°-70°	1624.5	31.8
70°-80°	1273.4	24.9
80°-90°	94.4	1.8
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°	5108.0	100.0
0°-180°	5108.0	100.0

Coefficient of Utilization



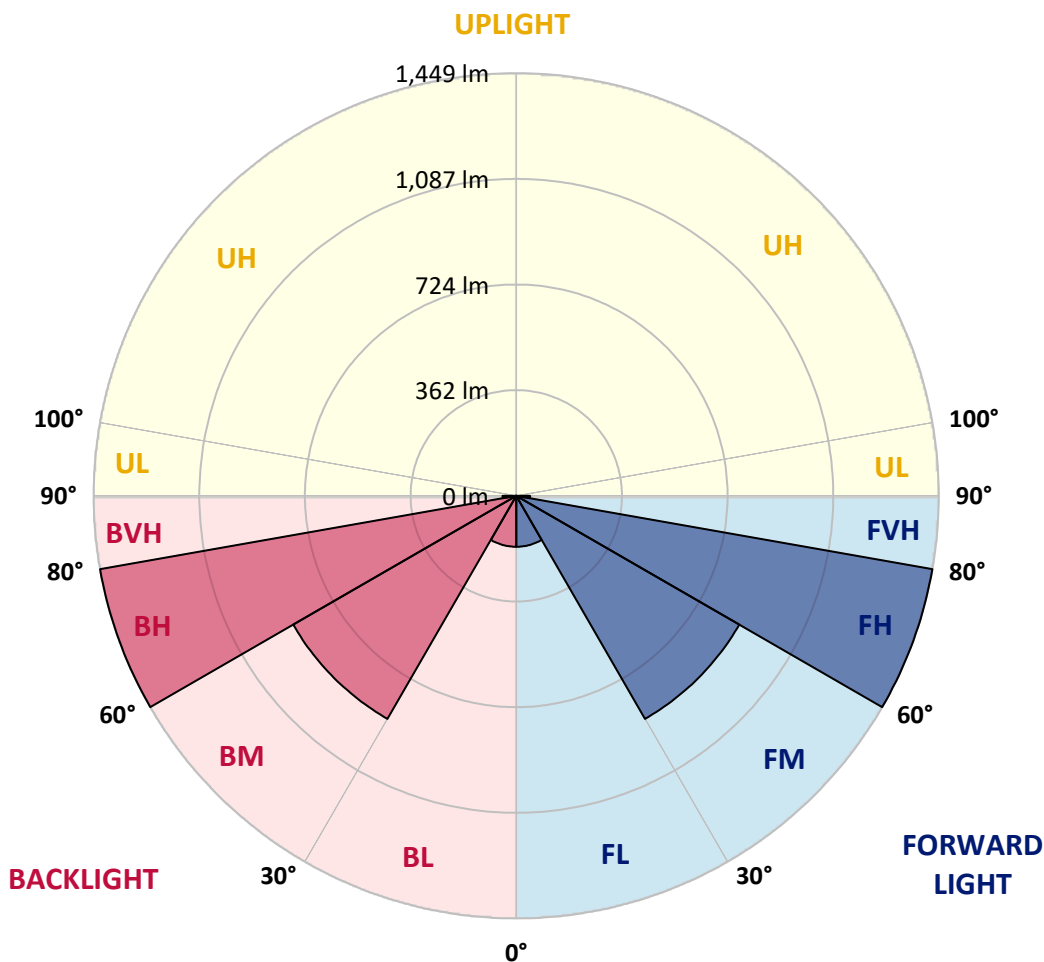
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.6	3.4			
FM (30°-60°)	883.2	17.3			
FH (60°-80°)	1448.9	28.4			G1/1800
FVH (80°-90°)	47.2	0.9			G1/100
BL (0°-30°)	174.6	3.4	B1/500		
BM (30°-60°)	883.2	17.3	B1/1000		
BH (60°-80°)	1448.9	28.4	B3/2500		G1/1800
BVH (80°-90°)	47.2	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4	420.4
2.5°	418.5	419.0	418.5	418.9	418.0	418.4	418.4	418.4	418.2	418.4	418.0
5°	414.8	415.2	414.5	414.8	414.3	414.8	415.0	414.8	414.5	414.6	414.0
7.5°	409.2	409.6	409.1	409.6	408.9	409.7	409.6	409.1	408.6	408.6	407.9
10°	406.2	406.4	405.0	404.5	403.0	403.3	403.8	404.3	404.8	405.9	405.7
12.5°	406.4	406.4	404.3	402.1	399.9	400.5	401.3	403.2	405.2	407.0	407.2
15°	408.1	407.9	404.8	401.3	399.8	401.3	401.8	403.0	406.2	409.4	409.6
17.5°	409.2	409.2	404.5	400.5	400.3	402.6	402.5	403.0	406.5	411.3	411.4
20°	411.4	411.4	405.4	401.0	401.0	403.5	403.7	404.5	408.1	413.3	414.1
22.5°	416.3	416.5	410.1	406.5	406.9	408.4	408.9	410.3	413.5	419.2	420.2
25°	423.3	423.6	417.0	415.0	416.2	419.0	418.7	419.7	423.3	428.8	429.9
27.5°	432.9	432.0	426.0	425.1	426.3	428.3	428.2	428.3	431.2	436.3	437.5
30°	445.4	445.1	440.7	441.2	440.7	440.0	440.2	441.5	443.0	447.1	448.3
32.5°	457.6	457.9	455.2	457.7	461.4	464.0	460.1	456.4	454.7	456.9	457.9
35°	479.5	480.4	476.1	474.5	479.5	487.0	476.0	469.9	473.3	476.1	477.0
37.5°	516.9	517.4	510.3	503.5	499.8	506.9	495.9	496.4	508.3	513.7	513.5
40°	559.4	559.6	554.9	549.0	542.6	544.2	539.8	541.2	549.0	553.9	555.2
42.5°	610.1	609.6	602.2	593.7	591.9	593.6	586.1	585.1	594.1	602.9	603.0
45°	675.9	674.7	665.1	655.8	646.8	643.1	641.2	646.1	658.5	666.6	666.7
47.5°	746.7	743.5	738.4	730.9	723.2	719.5	716.4	718.8	727.7	730.9	731.3
50°	819.5	820.2	821.2	818.3	815.4	814.3	806.3	801.7	804.5	798.5	797.7
52.5°	905.8	907.2	917.0	925.3	930.2	932.7	917.7	901.9	893.2	881.7	878.3
55°	1007.7	1009.9	1024.3	1047.3	1070.9	1083.4	1056.2	1026.8	999.6	978.1	971.2
57.5°	1121.3	1125.1	1144.9	1189.0	1237.5	1267.1	1221.1	1167.7	1115.2	1084.3	1078.9
60°	1254.4	1258.1	1285.5	1348.7	1427.3	1471.7	1402.1	1314.7	1249.3	1219.8	1209.8
62.5°	1412.9	1413.2	1446.9	1520.7	1624.4	1686.3	1592.0	1475.2	1407.8	1372.2	1362.5
65°	1583.4	1584.2	1619.0	1698.8	1806.1	1873.3	1766.9	1645.2	1562.8	1510.2	1502.8
67.5°	1703.9	1707.4	1744.1	1840.0	1940.4	2001.1	1890.9	1753.4	1658.1	1595.4	1589.1
70°	1684.6	1698.5	1741.5	1853.6	1993.1	2079.6	1911.0	1740.5	1614.8	1540.8	1535.6
72.5°	1469.2	1495.7	1553.1	1700.1	1923.3	2042.5	1801.4	1558.9	1416.6	1353.6	1344.1
75°	1000.5	1043.5	1130.2	1342.3	1643.2	1768.4	1516.5	1242.9	1109.1	1021.9	1015.5
77.5°	446.1	455.9	565.7	809.9	1133.9	1270.0	1101.8	813.1	610.3	486.8	460.8
80°	124.4	125.9	168.0	301.6	567.6	746.2	609.3	316.8	178.1	125.5	118.3
82.5°	39.5	42.9	52.4	78.2	190.8	340.5	195.8	84.5	60.2	48.0	43.3
85°	19.3	19.1	26.5	31.8	48.7	75.4	51.9	39.2	34.3	22.8	20.6
87.5°	8.1	8.3	12.3	11.2	14.2	12.2	16.7	17.6	18.4	10.1	8.8
90°	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)