

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: P386943

Luminaire Tested: GAW-SA2C-830-U-RW

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386943  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA2C-830-U-RW  
Description: GALLEON WALL LUMINAIRE  
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11990 lumens  
Efficiency: N/A  
Efficacy: 108.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

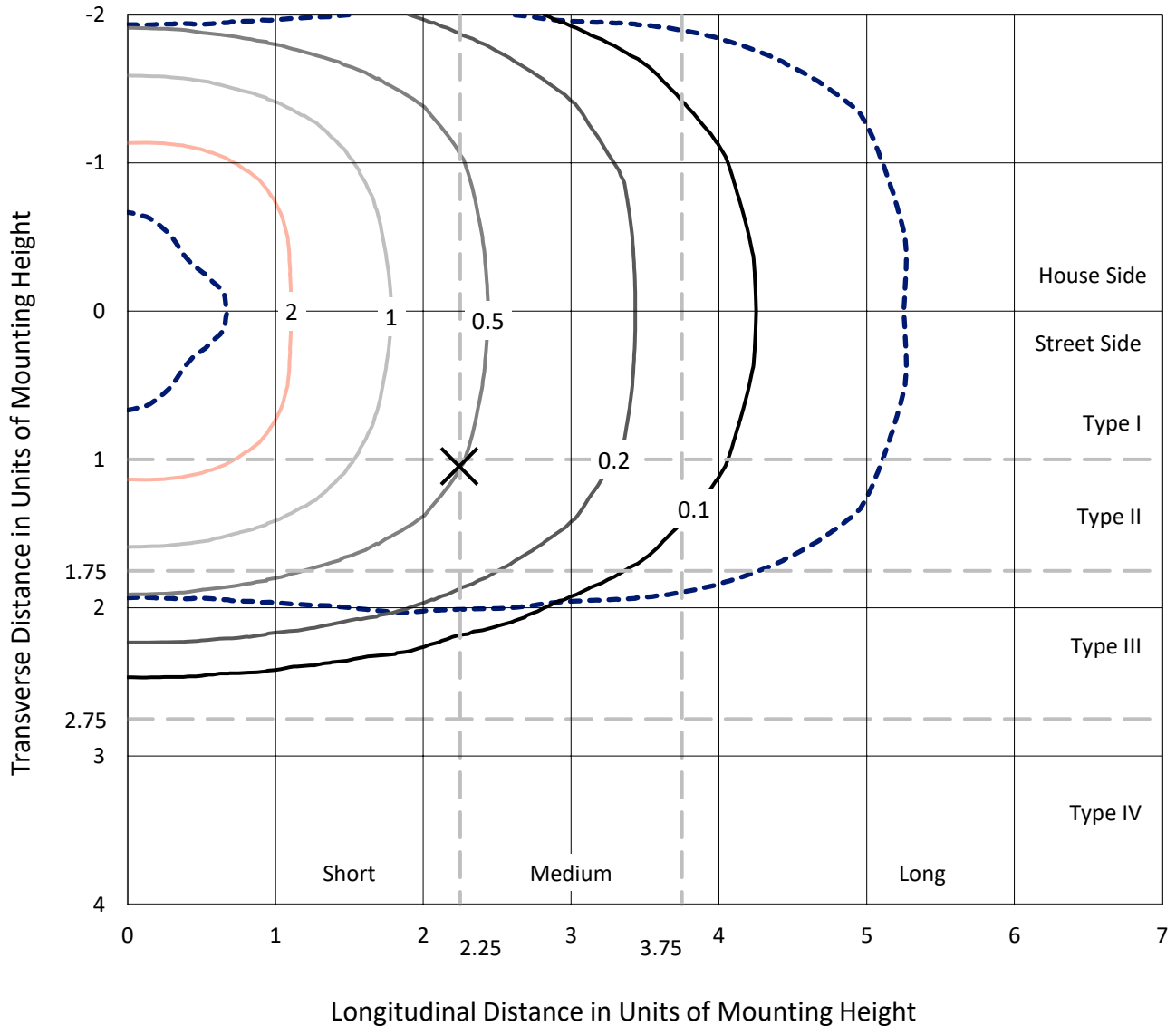
Input Watts (W): 111  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

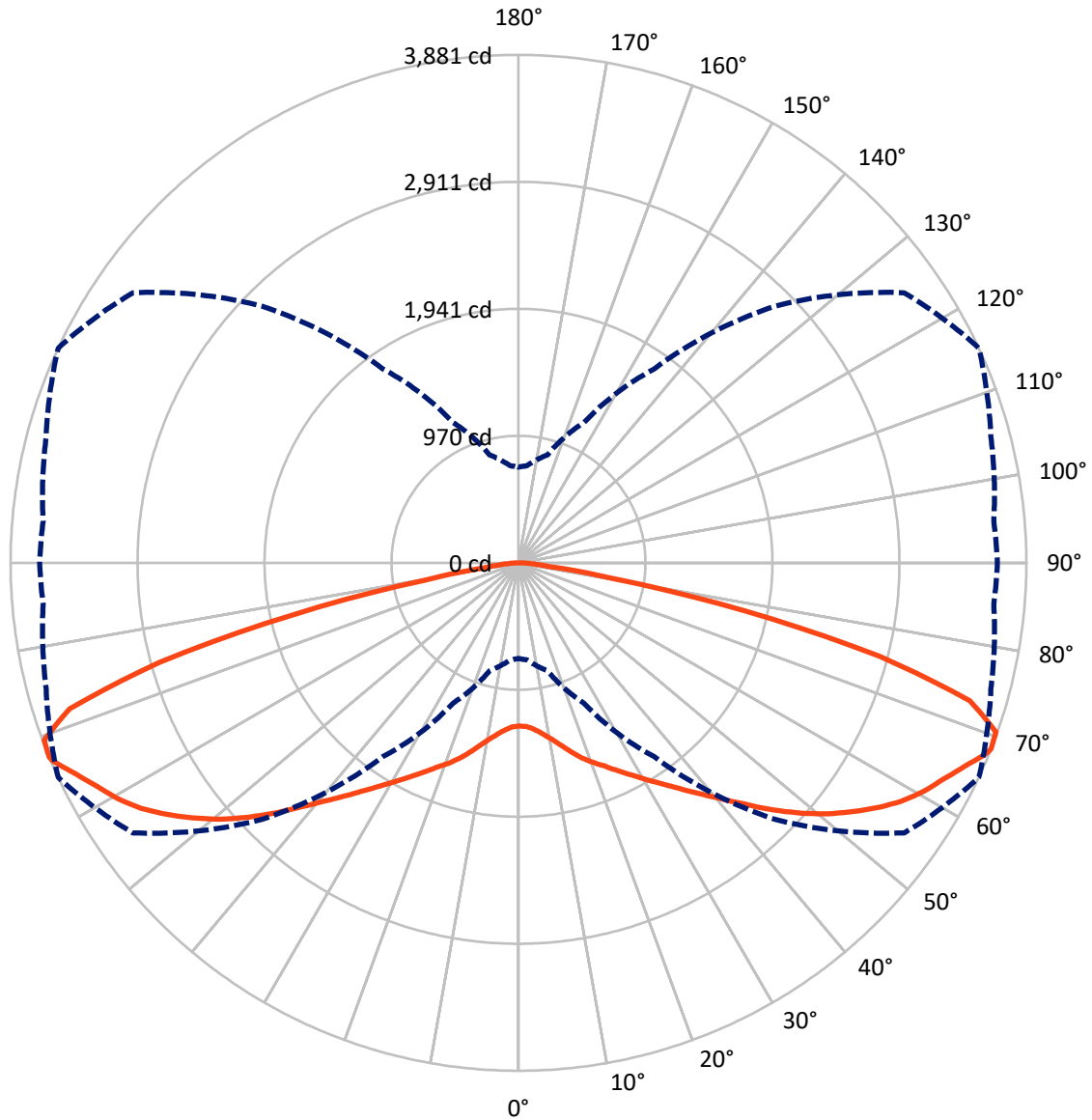
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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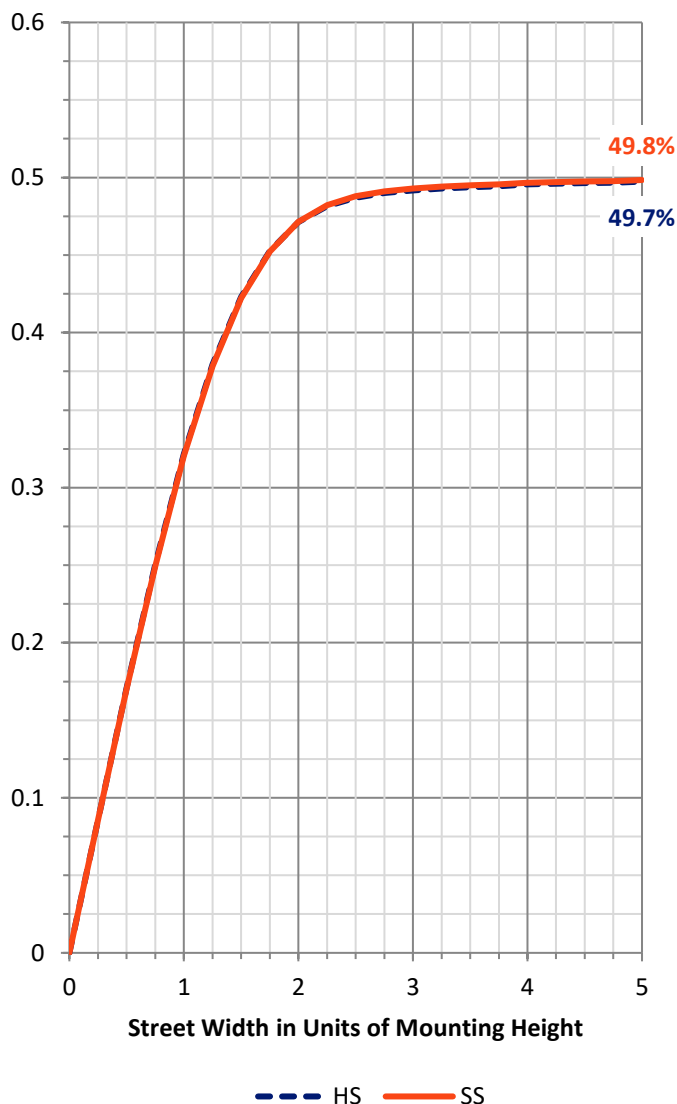
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5995.0	0.0	5995.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5995.0	0.0	5995.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11990.0	0.0	11990.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.1	1.0
10°-20°	408.7	3.4
20°-30°	796.9	6.6
30°-40°	1338.7	11.2
40°-50°	2109.3	17.6
50°-60°	2820.8	23.5
60°-70°	2742.2	22.9
70°-80°	1499.0	12.5
80°-90°	152.4	1.3
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°	11990.0	100.0
0°-180°	11990.0	100.0

**Coefficient of Utilization**

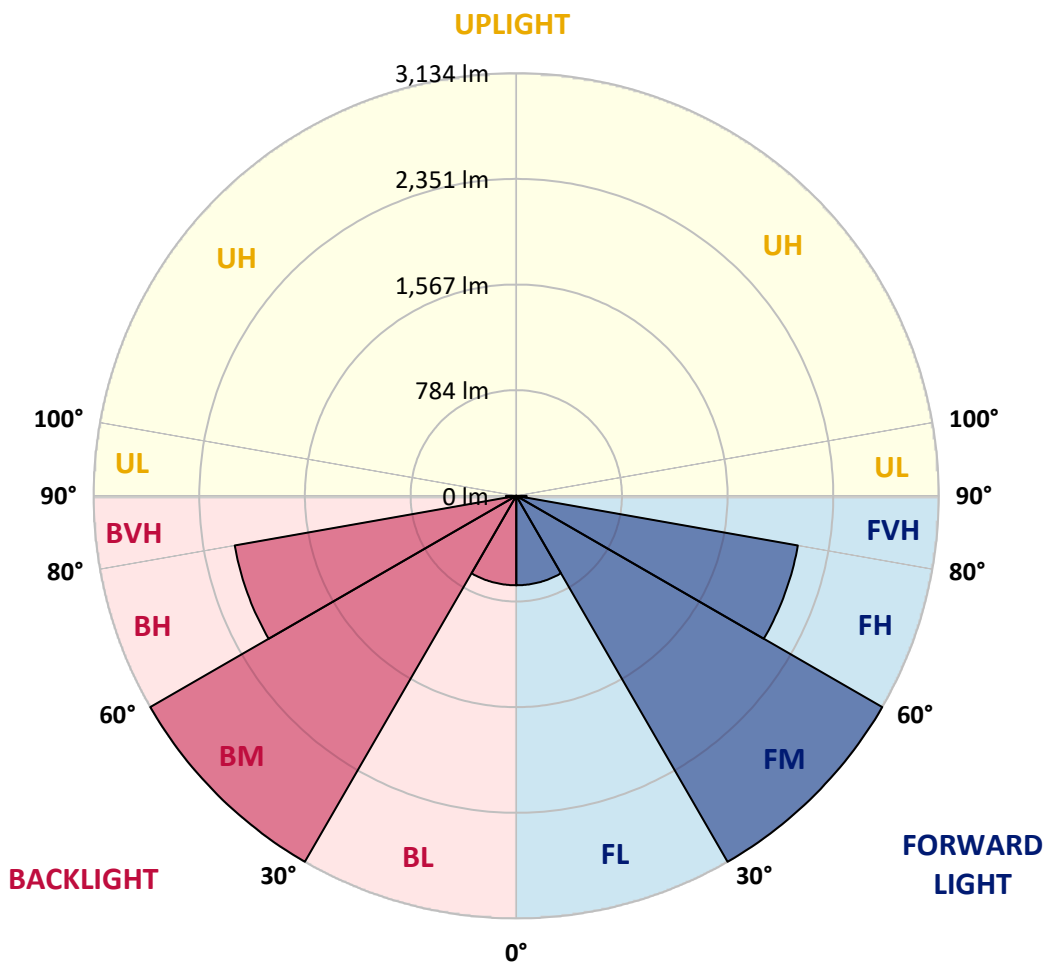


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.8	5.5			
FM (30°-60°)	3134.4	26.1			
FH (60°-80°)	2120.6	17.7			G2/5000
FVH (80°-90°)	76.2	0.6			G1/100
BL (0°-30°)	663.8	5.5	B2/1000		
BM (30°-60°)	3134.4	26.1	B3/5000		
BH (60°-80°)	2120.6	17.7	B3/2500		G3/2500
BVH (80°-90°)	76.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1246.7	1246.7	1246.7	1246.7	1246.7	1246.7	1246.7	1246.7	1246.7	1246.7	1246.7
2.5°	1237.8	1238.2	1240.2	1242.7	1244.7	1249.9	1251.1	1253.1	1253.9	1255.9	1255.9
5°	1227.0	1227.8	1232.6	1239.0	1246.3	1259.1	1268.4	1278.8	1284.1	1289.7	1289.3
7.5°	1225.8	1227.8	1234.6	1245.1	1257.1	1278.4	1297.7	1318.6	1332.7	1345.6	1344.8
10°	1238.2	1241.5	1251.1	1266.8	1284.9	1311.4	1339.9	1368.1	1392.6	1412.3	1413.1
12.5°	1257.1	1261.2	1276.4	1300.1	1327.5	1361.7	1395.4	1427.2	1461.0	1490.3	1492.7
15°	1282.1	1287.3	1310.2	1345.6	1387.4	1428.0	1464.2	1496.7	1535.7	1576.3	1580.4
17.5°	1319.0	1326.3	1356.4	1404.3	1459.3	1504.0	1541.8	1566.3	1598.9	1640.7	1648.3
20°	1375.3	1384.6	1422.8	1479.9	1547.0	1593.6	1622.6	1627.8	1643.9	1681.3	1690.1
22.5°	1448.5	1456.5	1499.1	1567.1	1642.3	1692.9	1708.2	1687.3	1685.7	1715.8	1724.3
25°	1530.1	1537.3	1586.8	1663.2	1744.0	1799.9	1799.5	1758.9	1730.7	1754.0	1762.9
27.5°	1621.8	1633.0	1680.5	1760.9	1847.3	1902.4	1899.2	1836.4	1783.0	1789.0	1796.6
30°	1727.1	1739.6	1785.8	1867.4	1953.8	2007.7	2003.7	1920.9	1840.5	1824.4	1830.0
32.5°	1857.8	1872.6	1916.5	1996.9	2073.2	2121.9	2110.2	2012.5	1909.6	1874.6	1879.9
35°	2014.9	2023.8	2070.0	2149.2	2211.1	2244.5	2220.0	2118.7	1997.3	1955.0	1955.0
37.5°	2174.1	2181.0	2232.8	2309.6	2369.5	2387.2	2339.4	2234.9	2111.8	2051.9	2053.1
40°	2326.9	2345.4	2403.7	2482.5	2541.6	2546.4	2482.9	2367.5	2239.3	2177.4	2184.6
42.5°	2486.5	2504.6	2574.2	2663.4	2715.7	2723.7	2649.3	2516.3	2383.2	2332.9	2341.0
45°	2628.8	2643.3	2723.7	2827.4	2892.6	2913.5	2825.4	2686.7	2538.8	2489.7	2491.7
47.5°	2728.1	2747.0	2835.5	2957.7	3052.6	3084.7	2998.3	2852.8	2692.0	2632.5	2637.7
50°	2818.2	2828.2	2917.9	3051.4	3172.0	3238.3	3164.3	3016.8	2846.7	2783.6	2789.2
52.5°	2868.4	2881.3	2968.1	3107.2	3250.0	3356.9	3311.9	3164.3	2996.3	2934.8	2941.6
55°	2833.5	2843.1	2947.2	3119.7	3298.2	3430.1	3436.9	3308.7	3143.0	3089.2	3108.5
57.5°	2674.3	2686.3	2813.4	3039.3	3304.2	3479.5	3531.0	3442.5	3280.1	3236.3	3247.6
60°	2425.4	2433.1	2568.5	2822.6	3186.8	3500.0	3590.9	3551.9	3414.4	3370.6	3385.9
62.5°	1982.0	1993.2	2155.3	2495.8	2938.8	3439.3	3648.8	3642.3	3539.4	3499.2	3512.9
65°	1354.8	1374.5	1553.8	1984.4	2556.5	3253.6	3701.4	3747.7	3650.0	3599.3	3617.4
67.5°	818.1	832.6	962.4	1310.2	1956.3	2878.9	3647.2	3867.5	3728.0	3646.4	3661.2
68°	731.3	744.5	853.1	1182.4	1809.5	2773.2	3597.7	3881.1	3736.4	3645.6	3658.8
70°	441.8	450.7	523.4	730.9	1206.5	2199.9	3260.4	3869.9	3790.3	3656.8	3664.5
72.5°	287.8	290.7	302.7	375.1	616.3	1230.2	2447.1	3606.2	3871.1	3722.3	3721.1
75°	239.2	237.6	238.8	247.2	303.9	539.5	1430.0	2848.7	3690.2	3619.0	3593.7
77.5°	202.2	201.0	200.6	201.0	203.4	260.5	620.7	1774.5	2823.8	3201.3	3223.8
80°	163.6	162.0	167.2	164.8	157.6	162.0	260.1	738.1	1331.1	1432.0	1342.0
82.5°	119.0	113.0	135.5	129.0	123.0	114.2	143.5	238.4	317.6	217.9	153.2
85°	91.7	85.2	102.9	98.9	84.4	58.3	85.2	116.6	128.6	73.6	57.9
87.5°	37.4	39.4	74.4	58.7	49.4	28.1	35.0	46.6	62.7	31.4	24.1
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)