

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: P387162

Luminaire Tested: GAW-SA2D-830-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2D-830-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13518 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

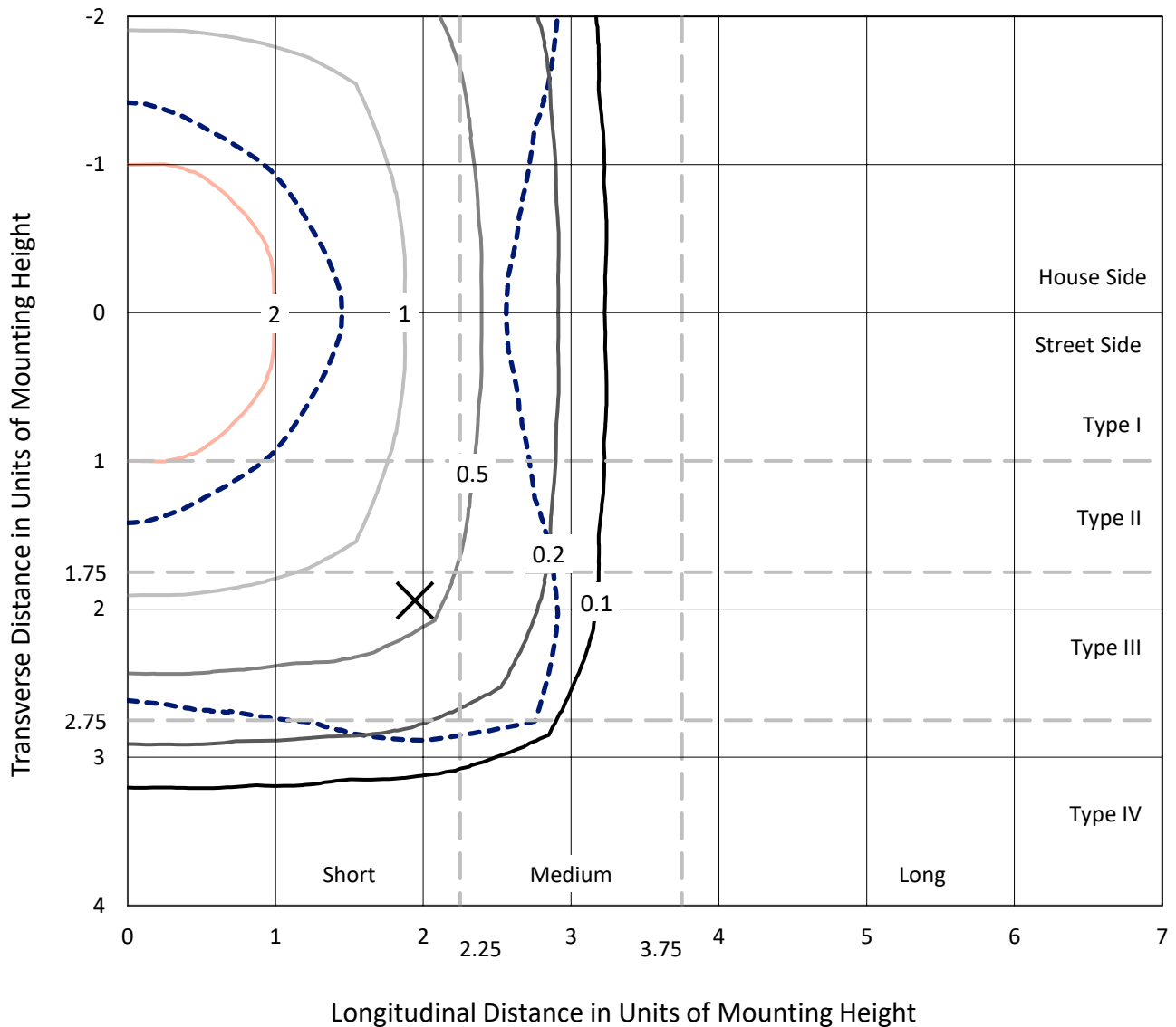
Input Watts (W): 128
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

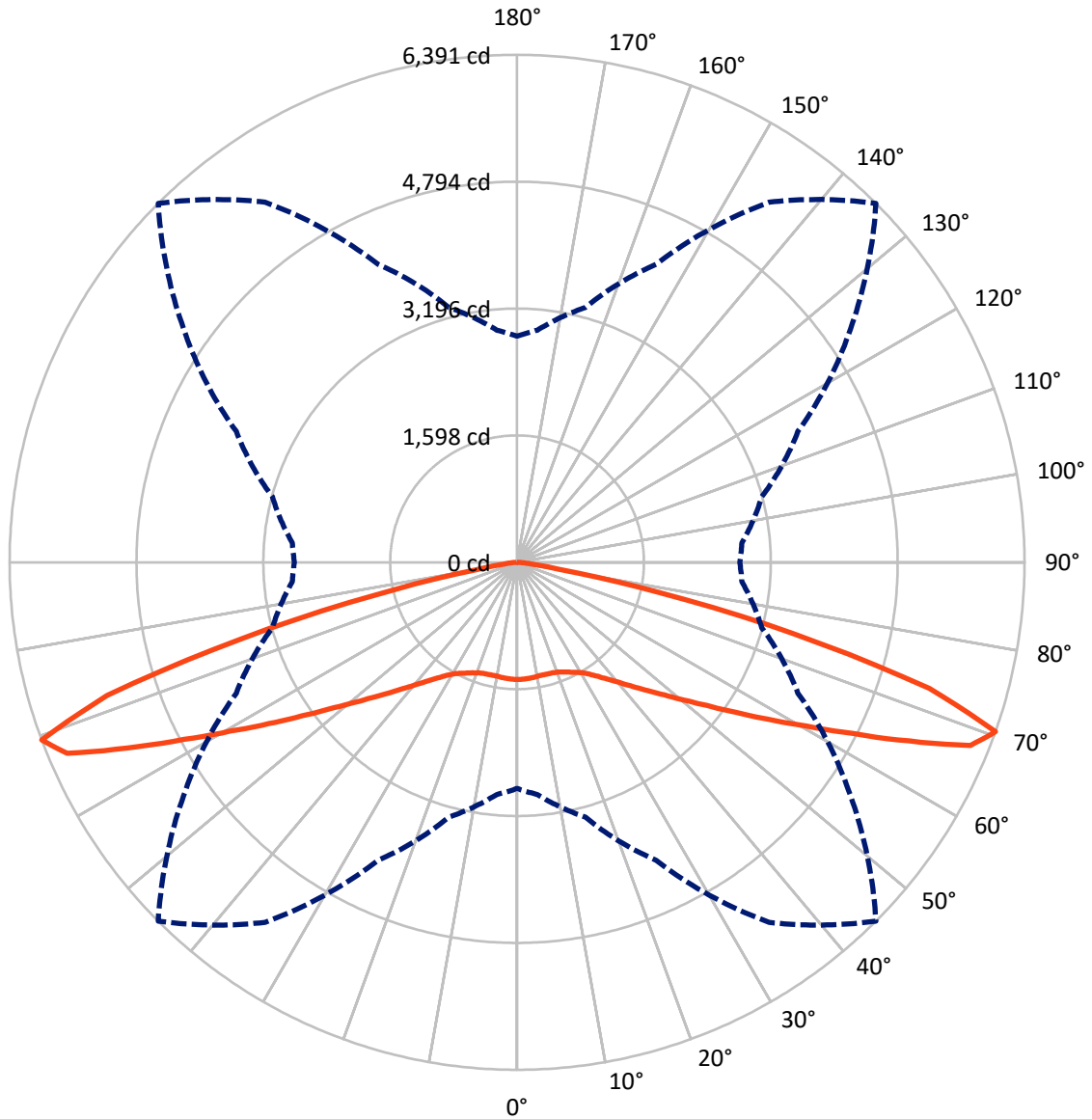
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 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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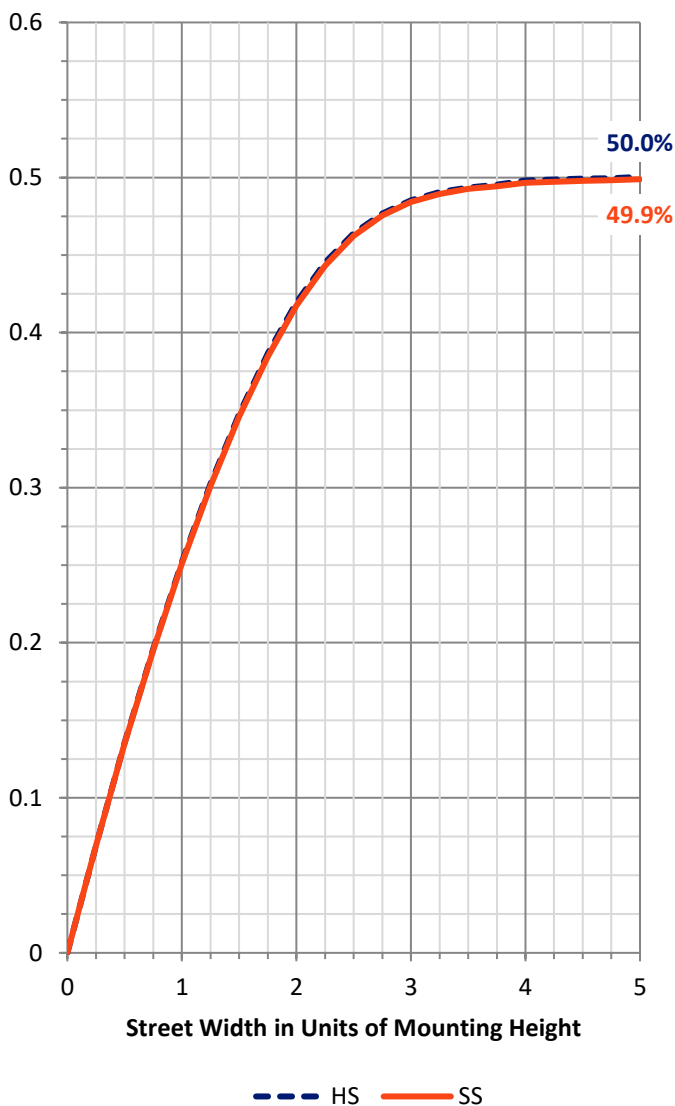
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6759.0	0.0	6759.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6759.0	0.0	6759.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13518.0	0.0	13518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.8	1.0
10°-20°	410.5	3.0
20°-30°	698.8	5.2
30°-40°	1108.3	8.2
40°-50°	1803.5	13.3
50°-60°	2973.7	22.0
60°-70°	4365.5	32.3
70°-80°	1930.4	14.3
80°-90°	87.4	0.6
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°	13518.0	100.0
0°-180°	13518.0	100.0

Coefficient of Utilization

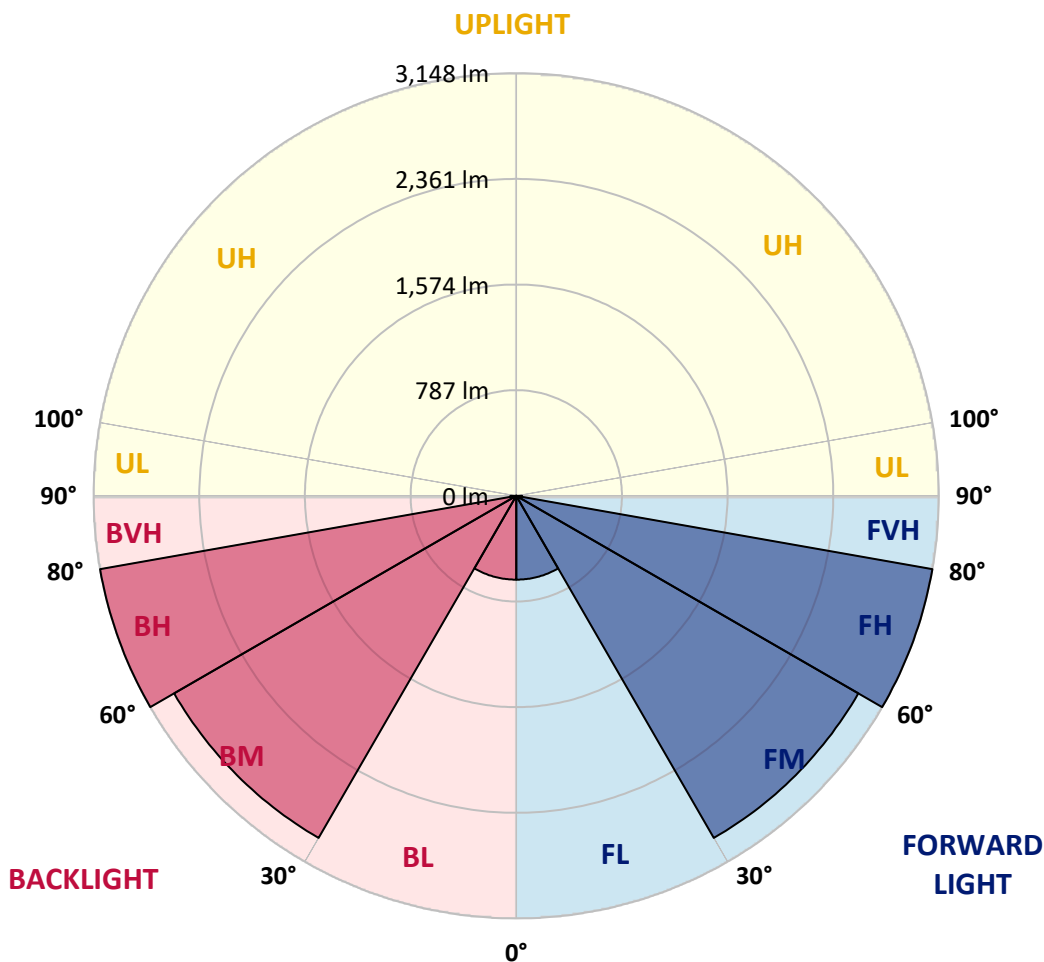


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.6	4.6			
FM (30°-60°)	2942.8	21.8			
FH (60°-80°)	3148.0	23.3			G2/5000
FVH (80°-90°)	43.7	0.3			G1/100
BL (0°-30°)	624.6	4.6	B2/1000		
BM (30°-60°)	2942.8	21.8	B3/5000		
BH (60°-80°)	3148.0	23.3	B4/5000		G2/5000
BVH (80°-90°)	43.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1476.4	1476.4	1476.4	1476.4	1476.4	1476.4	1476.4	1476.4	1476.4	1476.4	1476.4
2.5°	1474.1	1472.8	1475.9	1475.5	1472.8	1473.2	1473.2	1474.6	1474.6	1473.7	1473.7
5°	1468.8	1467.9	1471.5	1471.5	1468.8	1469.7	1470.6	1471.9	1471.5	1470.6	1470.1
7.5°	1462.1	1461.6	1465.2	1465.2	1463.4	1464.3	1463.4	1463.8	1463.0	1462.1	1460.7
10°	1450.9	1451.8	1454.9	1455.8	1455.8	1456.2	1455.3	1453.1	1451.8	1450.4	1449.1
12.5°	1440.6	1440.1	1444.6	1446.8	1450.4	1454.5	1451.8	1445.5	1442.8	1440.1	1439.2
15°	1433.9	1434.3	1438.8	1442.8	1449.1	1457.6	1454.5	1444.6	1439.2	1436.1	1435.2
17.5°	1432.5	1433.4	1439.2	1446.4	1453.1	1462.5	1460.7	1450.9	1441.9	1436.1	1434.8
20°	1435.7	1436.1	1445.1	1455.3	1467.0	1475.9	1471.9	1461.2	1449.1	1440.1	1437.9
22.5°	1441.5	1443.3	1454.5	1470.6	1488.5	1500.5	1495.6	1477.3	1458.5	1447.3	1444.2
25°	1459.8	1460.3	1475.5	1497.4	1518.9	1532.7	1526.9	1501.0	1476.8	1464.3	1460.3
27.5°	1497.9	1499.2	1514.4	1539.9	1558.2	1567.2	1563.6	1542.6	1522.0	1508.6	1509.9
30°	1552.9	1554.7	1571.7	1599.9	1611.0	1613.3	1612.4	1602.5	1583.7	1565.9	1567.2
32.5°	1620.0	1620.9	1643.7	1669.2	1678.1	1679.9	1678.1	1669.2	1646.8	1622.7	1624.0
35°	1706.3	1709.0	1730.9	1755.5	1762.7	1766.3	1763.2	1751.5	1728.3	1704.5	1703.6
37.5°	1812.8	1813.3	1836.1	1861.6	1870.5	1871.4	1867.8	1860.2	1831.2	1809.7	1808.3
40°	1936.3	1938.1	1964.9	1992.2	1995.8	1991.8	1996.7	1992.2	1962.2	1937.6	1941.7
42.5°	2086.6	2090.6	2122.8	2149.7	2139.4	2137.2	2140.3	2141.6	2117.5	2087.5	2084.8
45°	2261.5	2265.1	2305.4	2326.9	2320.1	2305.4	2311.6	2322.4	2288.8	2251.7	2255.3
47.5°	2461.1	2470.0	2513.0	2533.1	2516.5	2496.4	2508.5	2524.6	2485.2	2439.2	2436.9
50°	2683.0	2694.2	2751.4	2779.6	2763.1	2725.9	2746.1	2756.8	2700.0	2640.5	2635.6
52.5°	2919.6	2930.8	3002.9	3061.0	3050.3	2992.6	3020.8	3009.6	2944.3	2864.2	2857.9
55°	3187.6	3192.1	3269.9	3363.9	3374.6	3332.1	3330.3	3312.0	3215.4	3122.8	3118.3
57.5°	3463.2	3466.4	3567.0	3678.0	3728.5	3728.5	3678.4	3639.5	3511.1	3403.7	3392.5
60°	3760.7	3771.9	3883.3	4034.1	4152.2	4187.1	4098.5	3992.5	3852.9	3721.8	3708.8
62.5°	4025.6	4038.6	4209.0	4433.6	4623.3	4750.4	4533.8	4361.1	4107.0	3896.7	3872.1
65°	4059.1	4094.0	4342.3	4749.0	5173.6	5427.2	5012.1	4586.6	4123.6	3831.4	3806.4
67.5°	3707.0	3766.1	4101.6	4734.7	5612.0	6156.5	5317.6	4457.8	3826.5	3503.5	3475.7
70°	2848.5	2934.4	3321.4	4141.5	5536.4	6391.4	5126.2	3902.6	3190.3	2842.7	2803.8
72.5°	1562.7	1598.1	1946.1	2836.0	4438.5	5431.3	4275.7	2885.6	2115.7	1721.5	1656.2
75°	495.7	508.2	685.4	1160.5	2510.7	3597.4	2716.1	1416.4	779.8	574.9	568.2
77.5°	220.1	221.5	247.9	338.7	864.8	1822.7	1038.8	385.6	265.7	232.2	239.8
80°	139.1	139.1	153.5	167.8	235.3	529.3	281.0	183.4	156.6	145.4	148.5
82.5°	66.7	73.8	99.8	107.4	129.3	178.1	144.1	119.9	104.7	77.8	72.5
85°	43.8	36.7	63.1	71.1	75.2	85.5	83.7	79.2	68.5	38.9	43.4
87.5°	19.7	18.8	32.7	30.0	28.2	21.5	32.2	39.8	38.5	19.2	19.2
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)