

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: P387134

Luminaire Tested: GAW-SA2D-827-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387134
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-827-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 2700K, 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: 12505 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

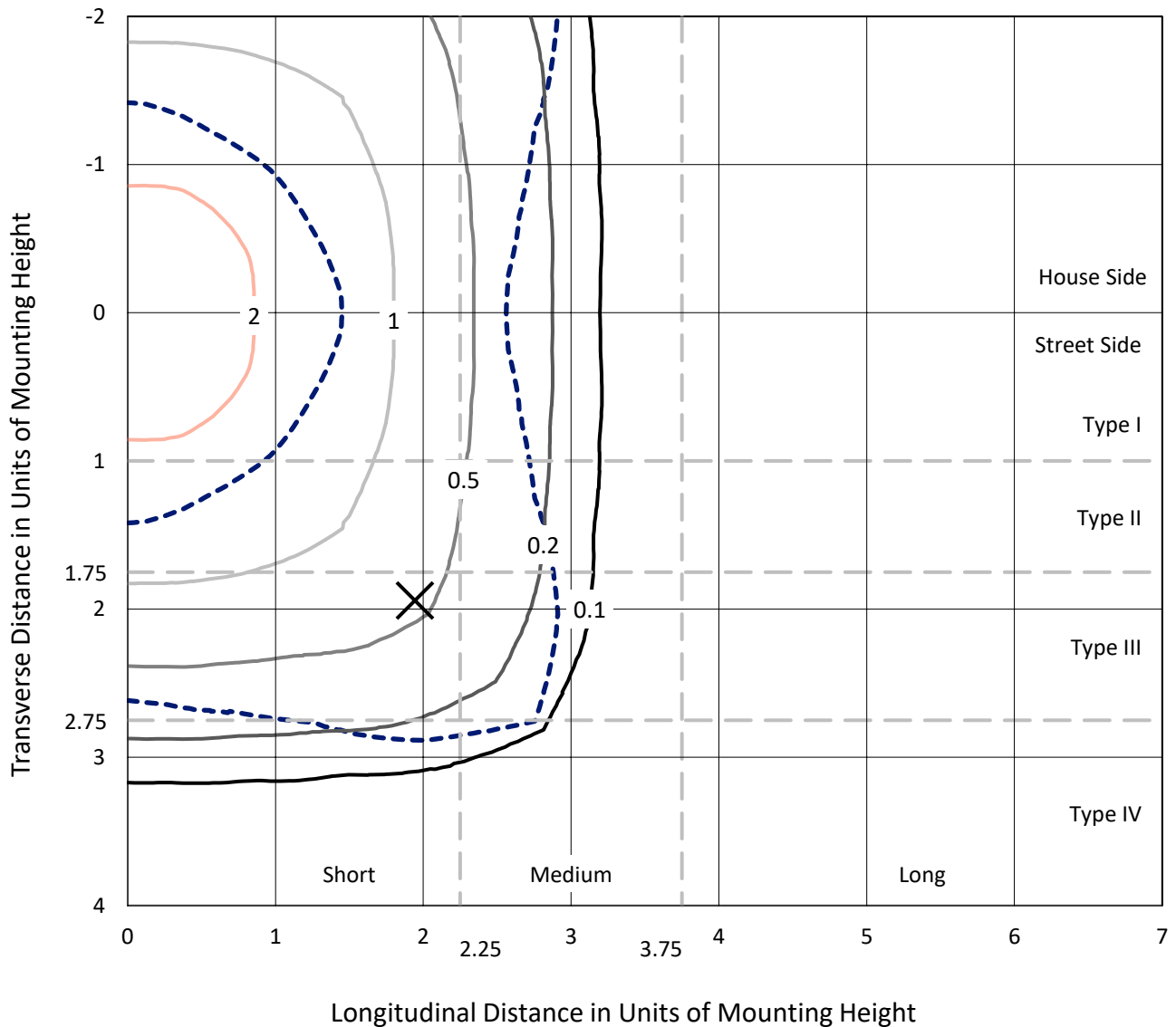
Input Watts (W): 128
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

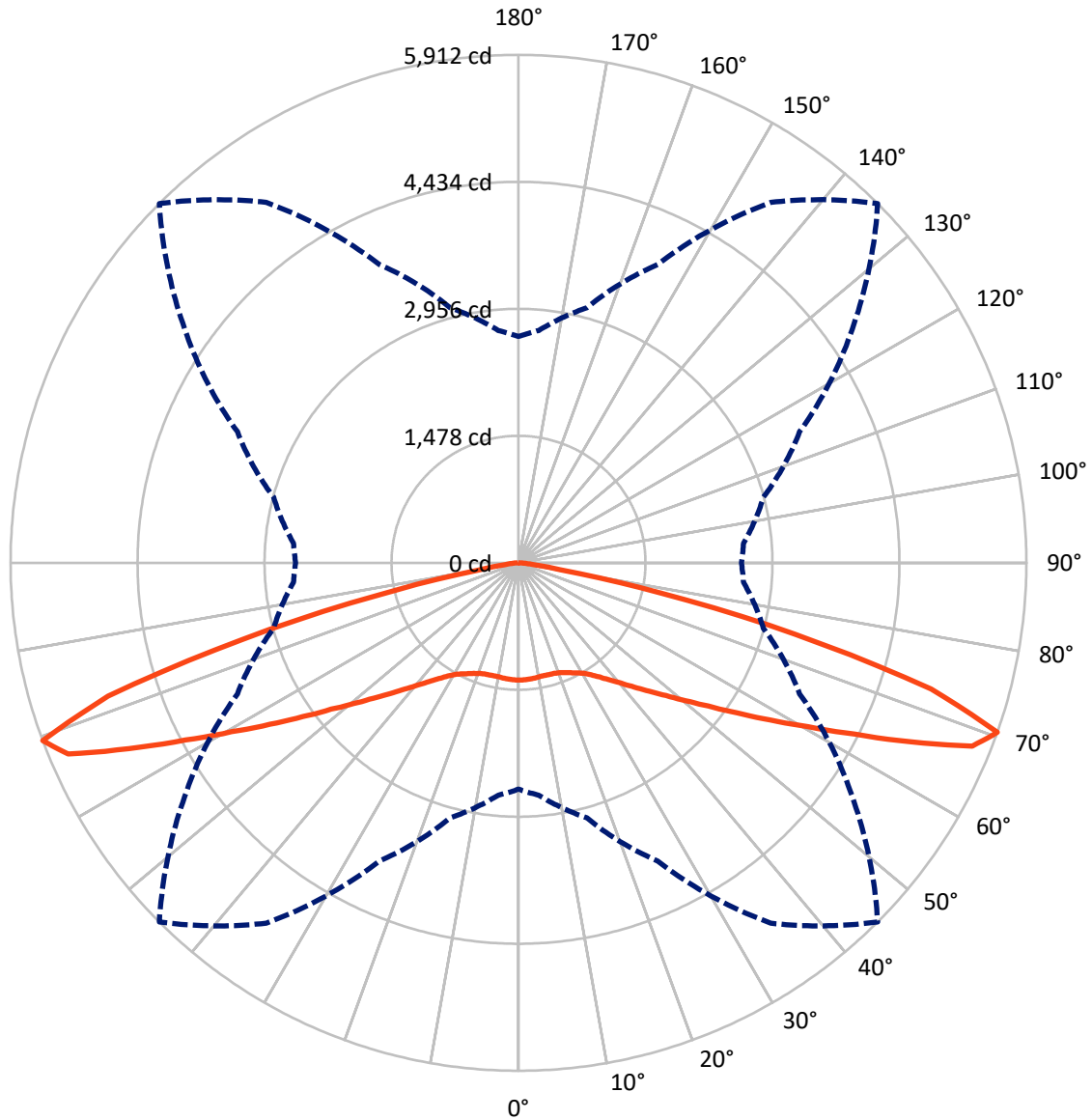
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.4 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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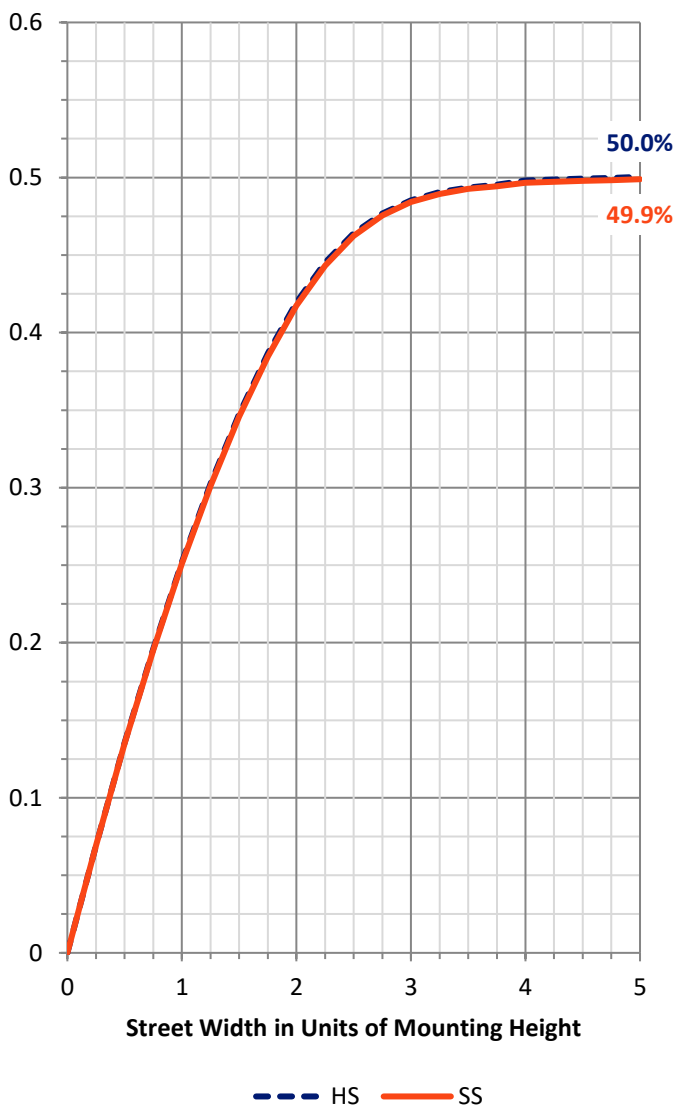
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6252.5	0.0	6252.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6252.5	0.0	6252.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12505.0	0.0	12505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	1.0
10°-20°	379.7	3.0
20°-30°	646.4	5.2
30°-40°	1025.2	8.2
40°-50°	1668.4	13.3
50°-60°	2750.9	22.0
60°-70°	4038.4	32.3
70°-80°	1785.8	14.3
80°-90°	80.9	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°	12505.0	100.0
0°-180°	12505.0	100.0

Coefficient of Utilization



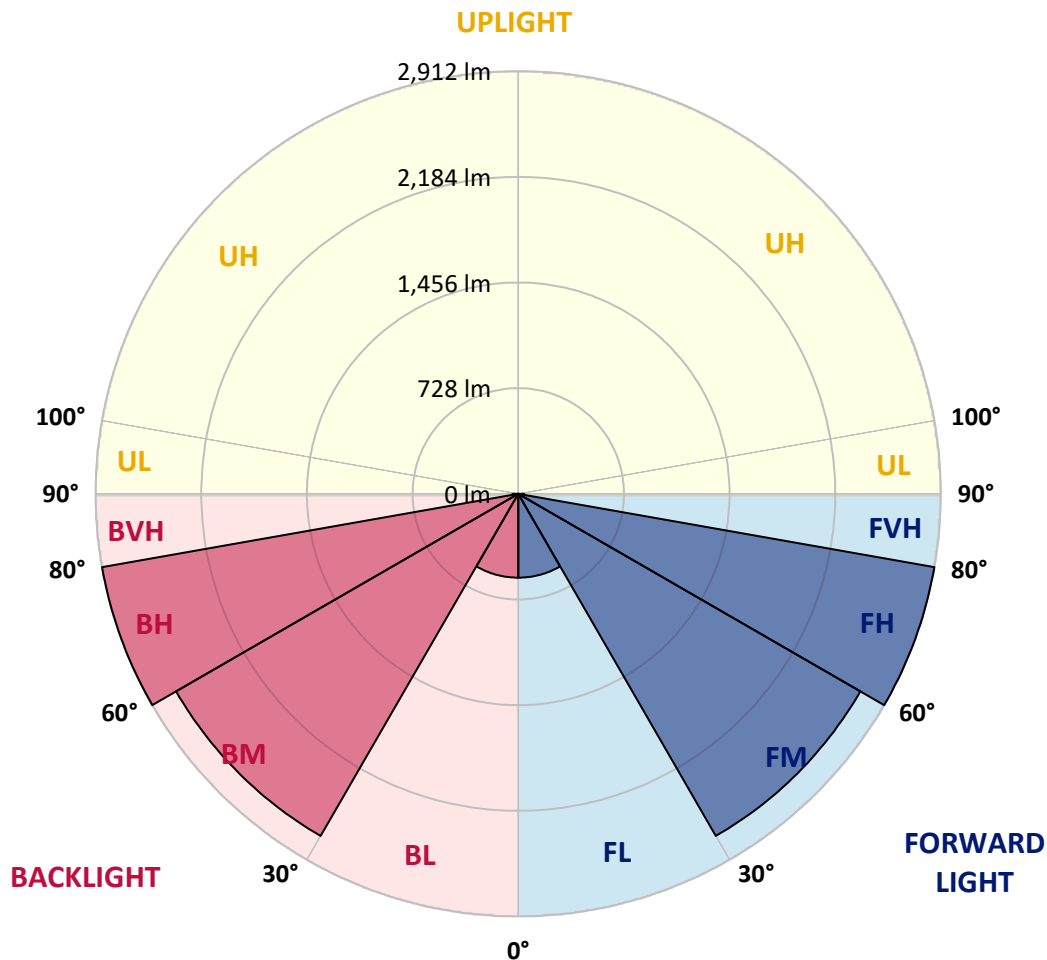
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.8	4.6			
FM (30°-60°)	2722.2	21.8			
FH (60°-80°)	2912.1	23.3			G2/5000
FVH (80°-90°)	40.4	0.3			G1/100
BL (0°-30°)	577.8	4.6	B2/1000		
BM (30°-60°)	2722.2	21.8	B3/5000		
BH (60°-80°)	2912.1	23.3	B4/5000		G2/5000
BVH (80°-90°)	40.4	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°	1365.7	1365.7	1365.7	1365.7	1365.7	1365.7	1365.7	1365.7	1365.7	1365.7	1365.7
2.5°	1363.7	1362.4	1365.3	1364.9	1362.4	1362.8	1362.8	1364.1	1364.1	1363.3	1363.3
5°	1358.7	1357.9	1361.2	1361.2	1358.7	1359.5	1360.4	1361.6	1361.2	1360.4	1359.9
7.5°	1352.5	1352.1	1355.4	1355.4	1353.7	1354.6	1353.7	1354.2	1353.3	1352.5	1351.3
10°	1342.2	1343.0	1345.9	1346.7	1346.7	1347.1	1346.3	1344.2	1343.0	1341.7	1340.5
12.5°	1332.6	1332.2	1336.4	1338.4	1341.7	1345.5	1343.0	1337.2	1334.7	1332.2	1331.4
15°	1326.4	1326.8	1331.0	1334.7	1340.5	1348.4	1345.5	1336.4	1331.4	1328.5	1327.7
17.5°	1325.2	1326.0	1331.4	1338.0	1344.2	1352.9	1351.3	1342.2	1333.9	1328.5	1327.3
20°	1328.1	1328.5	1336.8	1346.3	1357.0	1365.3	1361.6	1351.7	1340.5	1332.2	1330.1
22.5°	1333.5	1335.1	1345.5	1360.4	1376.9	1388.1	1383.5	1366.6	1349.2	1338.8	1335.9
25°	1350.4	1350.8	1364.9	1385.2	1405.1	1417.9	1412.5	1388.5	1366.2	1354.6	1350.8
27.5°	1385.6	1386.8	1400.9	1424.5	1441.5	1449.8	1446.4	1427.0	1408.0	1395.5	1396.8
30°	1436.5	1438.2	1453.9	1480.0	1490.3	1492.4	1491.6	1482.4	1465.1	1448.5	1449.8
32.5°	1498.6	1499.4	1520.5	1544.1	1552.4	1554.0	1552.4	1544.1	1523.4	1501.1	1502.3
35°	1578.5	1580.9	1601.2	1624.0	1630.6	1633.9	1631.0	1620.3	1598.7	1576.8	1576.0
37.5°	1677.0	1677.4	1698.5	1722.1	1730.4	1731.2	1727.9	1720.8	1693.9	1674.1	1672.8
40°	1791.2	1792.8	1817.7	1842.9	1846.2	1842.5	1847.1	1842.9	1815.2	1792.4	1796.2
42.5°	1930.2	1934.0	1963.8	1988.6	1979.1	1977.0	1979.9	1981.2	1958.8	1931.1	1928.6
45°	2092.1	2095.4	2132.6	2152.5	2146.3	2132.6	2138.4	2148.4	2117.3	2083.0	2086.3
47.5°	2276.6	2284.9	2324.7	2343.3	2328.0	2309.3	2320.5	2335.4	2299.0	2256.4	2254.3
50°	2481.9	2492.3	2545.2	2571.3	2556.0	2521.7	2540.3	2550.2	2497.6	2442.6	2438.1
52.5°	2700.9	2711.2	2777.8	2831.6	2821.7	2768.3	2794.4	2784.0	2723.6	2649.5	2643.7
55°	2948.8	2952.9	3024.9	3111.8	3121.8	3082.4	3080.8	3063.8	2974.4	2888.7	2884.6
57.5°	3203.7	3206.6	3299.7	3402.3	3449.1	3449.1	3402.8	3366.8	3248.0	3148.7	3138.3
60°	3478.9	3489.3	3592.3	3731.8	3841.0	3873.3	3791.4	3693.3	3564.2	3442.9	3430.9
62.5°	3723.9	3735.9	3893.6	4101.4	4276.8	4394.4	4194.1	4034.3	3799.2	3604.7	3582.0
65°	3755.0	3787.2	4016.9	4393.1	4785.9	5020.5	4636.5	4242.9	3814.6	3544.3	3521.1
67.5°	3429.3	3483.9	3794.3	4379.9	5191.5	5695.1	4919.1	4123.7	3539.8	3240.9	3215.3
70°	2635.1	2714.5	3072.5	3831.1	5121.5	5912.4	4742.0	3610.1	2951.2	2629.7	2593.7
72.5°	1445.6	1478.3	1800.3	2623.5	4105.9	5024.3	3955.3	2669.4	1957.1	1592.5	1532.1
75°	458.6	470.1	634.0	1073.6	2322.6	3327.9	2512.5	1310.3	721.4	531.8	525.6
77.5°	203.6	204.9	229.3	313.3	800.0	1686.1	961.0	356.7	245.8	214.8	221.8
80°	128.7	128.7	142.0	155.2	217.7	489.6	259.9	169.7	144.9	134.5	137.4
82.5°	61.7	68.3	92.3	99.3	119.6	164.7	133.3	110.9	96.8	72.0	67.0
85°	40.6	33.9	58.4	65.8	69.5	79.0	77.4	73.3	63.3	36.0	40.1
87.5°	18.2	17.4	30.2	27.7	26.1	19.9	29.8	36.8	35.6	17.8	17.8
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)