

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: P387167

Luminaire Tested: GAW-SA2D-830-U-RW

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P387167  
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-SA2D-830-U-RW  
Description: GALLEON WALL LUMINAIRE  
(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13154 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

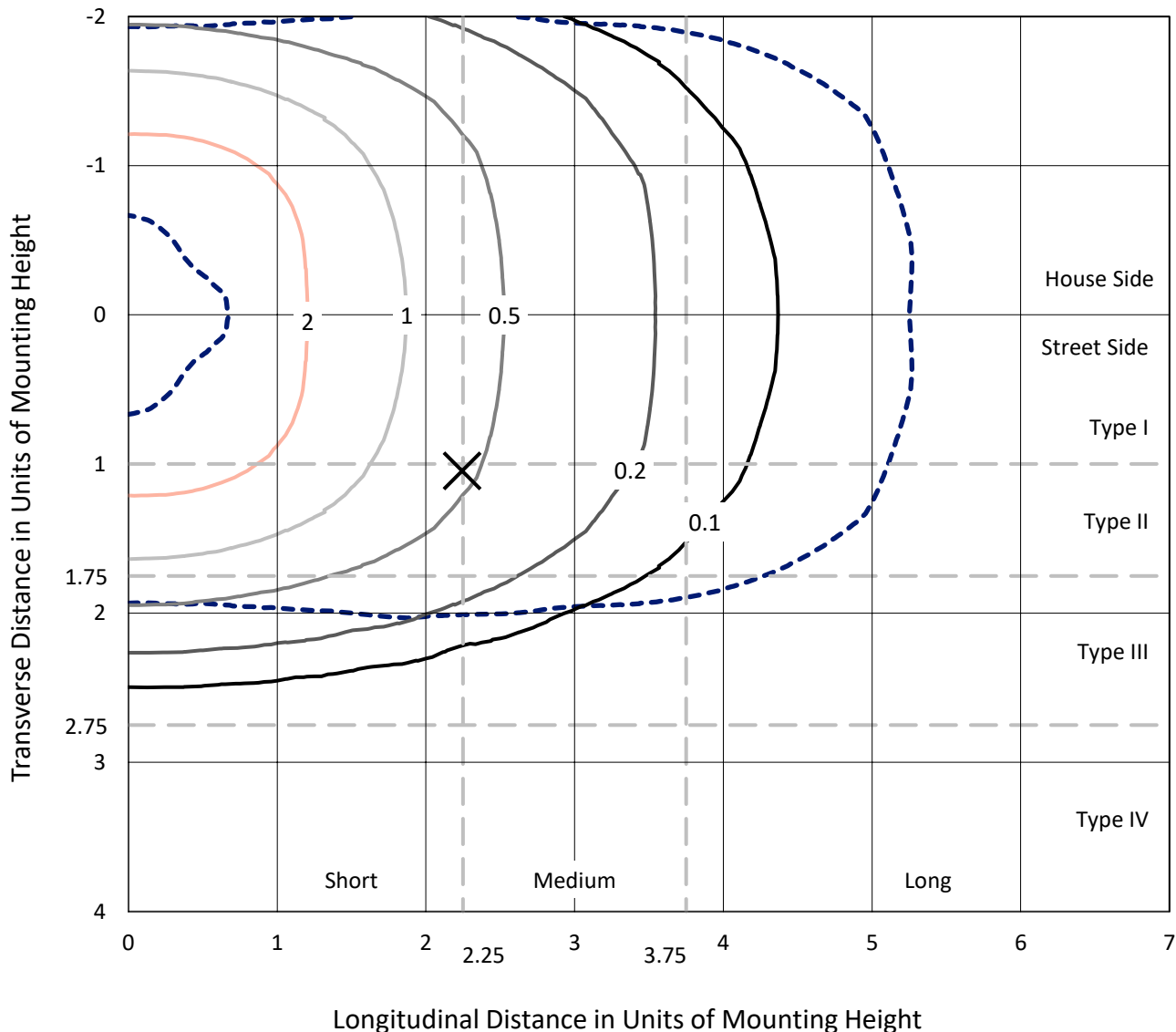
Input Watts (W): 128  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

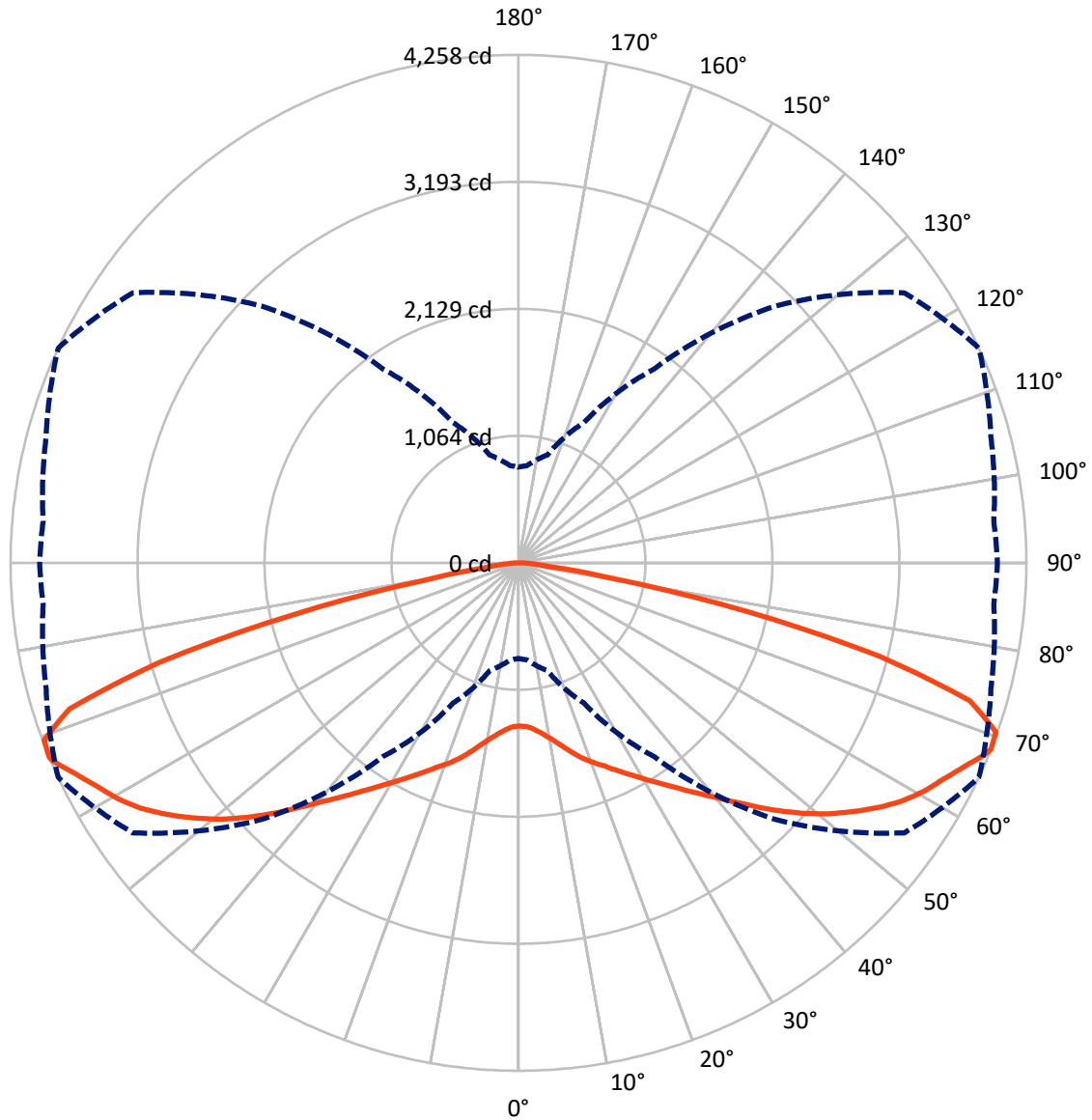
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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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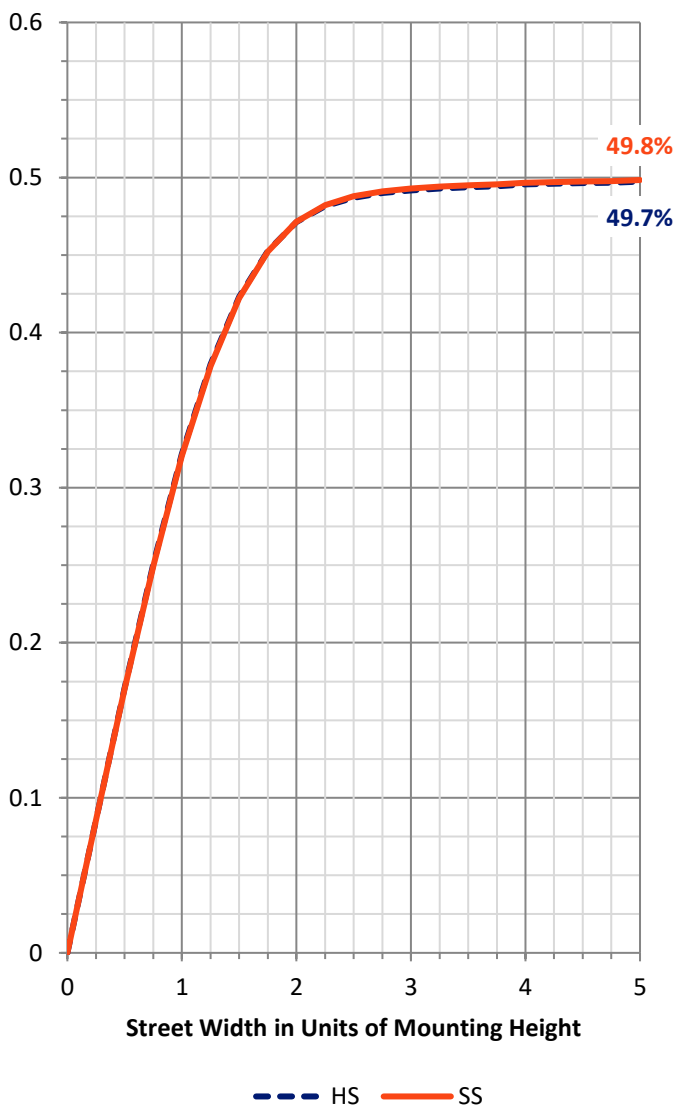
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6577.0	0.0	6577.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6577.0	0.0	6577.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13154.0	0.0	13154.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.9	1.0
10°-20°	448.4	3.4
20°-30°	874.2	6.6
30°-40°	1468.6	11.2
40°-50°	2314.0	17.6
50°-60°	3094.7	23.5
60°-70°	3008.4	22.9
70°-80°	1644.5	12.5
80°-90°	167.3	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°	13154.0	100.0
0°-180°	13154.0	100.0

**Coefficient of Utilization**



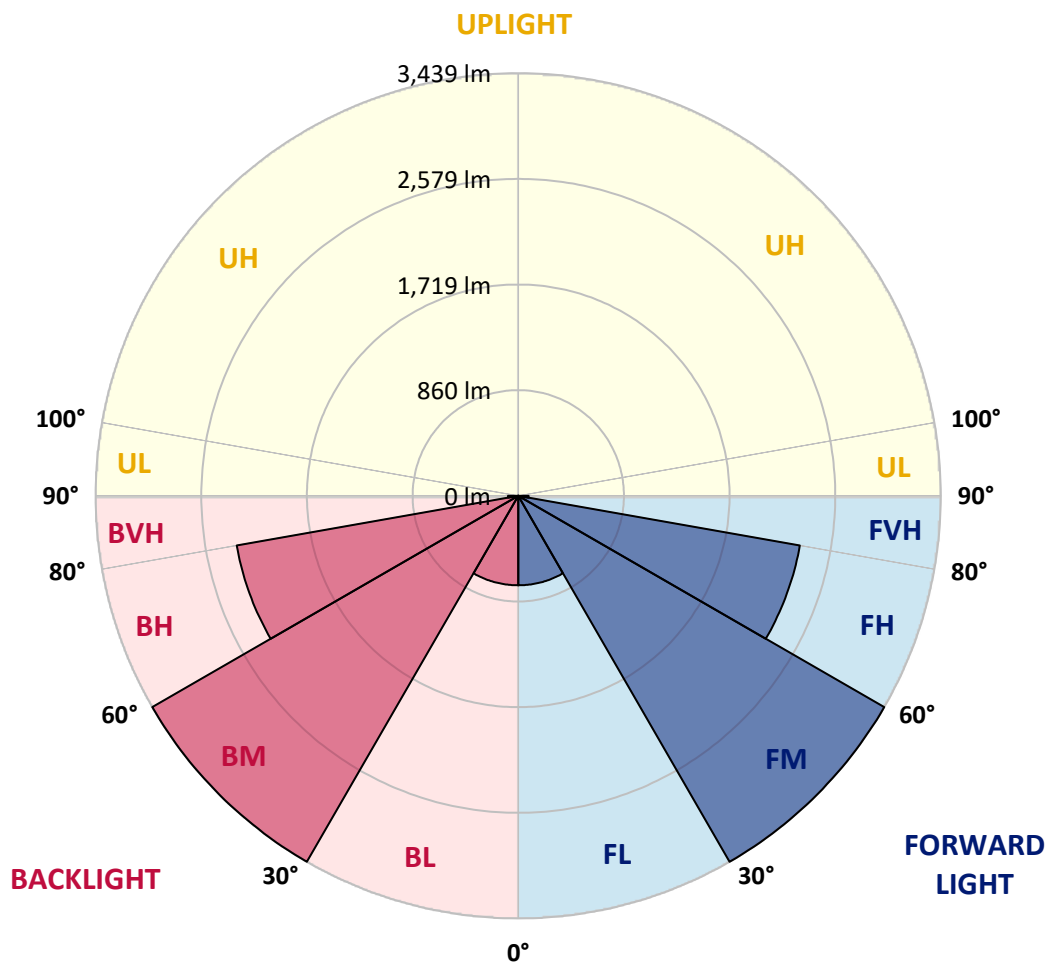
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	728.3	5.5			
FM	(30°-60°)	3438.7	26.1			
FH	(60°-80°)	2326.5	17.7			G2/5000
FVH	(80°-90°)	83.6	0.6			G1/100
BL	(0°-30°)	728.3	5.5	B2/1000		
BM	(30°-60°)	3438.7	26.1	B3/5000		
BH	(60°-80°)	2326.5	17.7	B3/2500		G3/2500
BVH	(80°-90°)	83.6	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°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1358.0	1358.4	1360.6	1363.3	1365.5	1371.2	1372.6	1374.8	1375.6	1377.9	1377.9
5°	1346.1	1347.0	1352.3	1359.3	1367.3	1381.4	1391.5	1403.0	1408.7	1414.9	1414.5
7.5°	1344.8	1347.0	1354.5	1365.9	1379.2	1402.5	1423.7	1446.7	1462.1	1476.2	1475.3
10°	1358.4	1362.0	1372.6	1389.8	1409.6	1438.7	1470.0	1500.9	1527.8	1549.4	1550.3
12.5°	1379.2	1383.6	1400.3	1426.4	1456.4	1493.8	1530.9	1565.7	1602.8	1635.0	1637.6
15°	1406.5	1412.3	1437.4	1476.2	1522.1	1566.6	1606.3	1642.0	1684.8	1729.4	1733.8
17.5°	1447.1	1455.0	1488.1	1540.6	1601.0	1650.0	1691.4	1718.3	1754.1	1799.9	1808.3
20°	1508.8	1519.0	1560.9	1623.5	1697.2	1748.3	1780.1	1785.8	1803.5	1844.5	1854.2
22.5°	1589.1	1597.9	1644.7	1719.2	1801.7	1857.3	1874.0	1851.1	1849.3	1882.4	1891.7
25°	1678.6	1686.6	1740.8	1824.6	1913.3	1974.6	1974.2	1929.6	1898.7	1924.3	1934.0
27.5°	1779.2	1791.6	1843.6	1931.8	2026.6	2087.1	2083.5	2014.7	1956.1	1962.7	1971.1
30°	1894.8	1908.4	1959.2	2048.7	2143.5	2202.6	2198.2	2107.4	2019.1	2001.5	2007.7
32.5°	2038.1	2054.4	2102.5	2190.7	2274.5	2327.9	2315.1	2207.9	2095.0	2056.6	2062.4
35°	2210.6	2220.3	2271.0	2357.9	2425.8	2462.4	2435.5	2324.4	2191.2	2144.8	2144.8
37.5°	2385.2	2392.7	2449.6	2533.9	2599.6	2619.0	2566.5	2451.8	2316.9	2251.1	2252.5
40°	2552.8	2573.1	2637.1	2723.5	2788.3	2793.6	2723.9	2597.4	2456.7	2388.7	2396.7
42.5°	2727.9	2747.8	2824.1	2922.0	2979.3	2988.1	2906.5	2760.6	2614.6	2559.4	2568.3
45°	2884.0	2899.9	2988.1	3101.9	3173.4	3196.3	3099.7	2947.6	2785.3	2731.4	2733.6
47.5°	2993.0	3013.7	3110.7	3244.8	3348.9	3384.2	3289.4	3129.7	2953.3	2888.0	2893.8
50°	3091.8	3102.8	3201.2	3347.6	3479.9	3552.7	3471.5	3309.7	3123.1	3053.9	3060.0
52.5°	3146.9	3161.0	3256.3	3408.9	3565.5	3682.8	3633.4	3471.5	3287.2	3219.7	3227.2
55°	3108.5	3119.1	3233.4	3422.6	3618.4	3763.1	3770.6	3629.9	3448.2	3389.1	3410.2
57.5°	2933.9	2947.1	3086.5	3334.4	3625.0	3817.3	3873.8	3776.7	3598.6	3550.5	3562.8
60°	2660.9	2669.3	2817.9	3096.6	3496.2	3839.8	3939.5	3896.7	3745.9	3697.8	3714.6
62.5°	2174.4	2186.7	2364.5	2738.1	3224.1	3773.2	4003.0	3995.9	3883.0	3838.9	3853.9
65°	1486.3	1508.0	1704.7	2177.0	2804.7	3569.4	4060.8	4111.5	4004.3	3948.8	3968.6
67.5°	897.5	913.4	1055.9	1437.4	2146.2	3158.4	4001.2	4242.9	4089.9	4000.4	4016.7
68°	802.3	816.8	935.9	1297.1	1985.2	3042.4	3947.0	4257.9	4099.1	3999.5	4014.0
70°	484.7	494.4	574.3	801.8	1323.6	2413.4	3576.9	4245.6	4158.3	4011.8	4020.2
72.5°	315.8	318.9	332.1	411.5	676.1	1349.6	2684.7	3956.2	4246.9	4083.7	4082.4
75°	262.4	260.7	262.0	271.2	333.4	591.9	1568.8	3125.3	4048.4	3970.4	3942.6
77.5°	221.8	220.5	220.1	220.5	223.2	285.8	681.0	1946.8	3098.0	3512.1	3536.8
80°	179.5	177.7	183.5	180.8	172.9	177.7	285.4	809.8	1460.3	1571.0	1472.2
82.5°	130.6	123.9	148.6	141.6	135.0	125.3	157.5	261.5	348.4	239.1	168.0
85°	100.6	93.5	112.9	108.5	92.6	64.0	93.5	127.9	141.1	80.7	63.5
87.5°	41.0	43.2	81.6	64.4	54.2	30.9	38.4	51.2	68.8	34.4	26.5
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)