

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: P386047

Luminaire Tested: GAW-SA1C-830-U-RW

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386047  
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-SA1C-830-U-RW  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6135 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

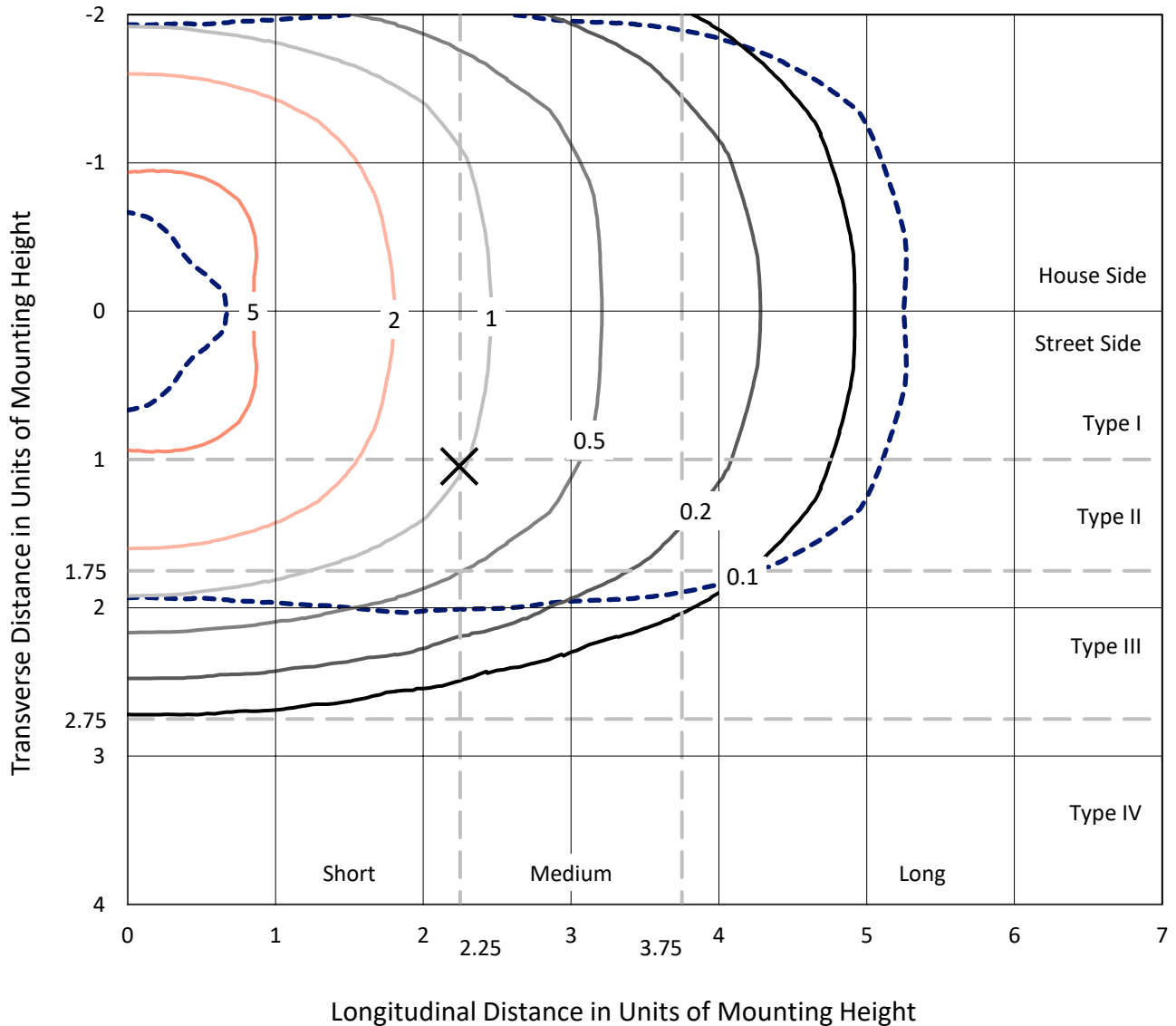
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

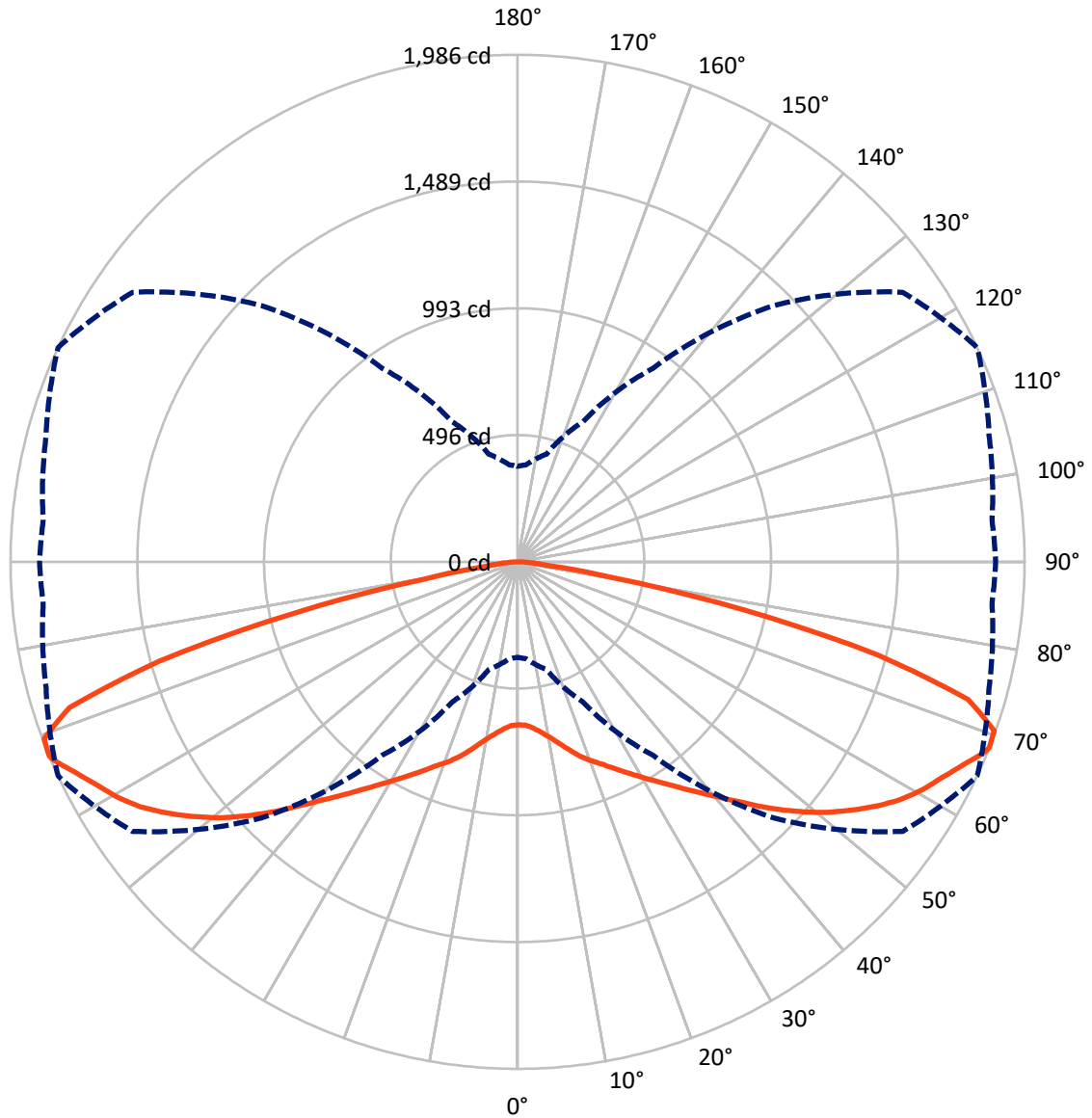
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 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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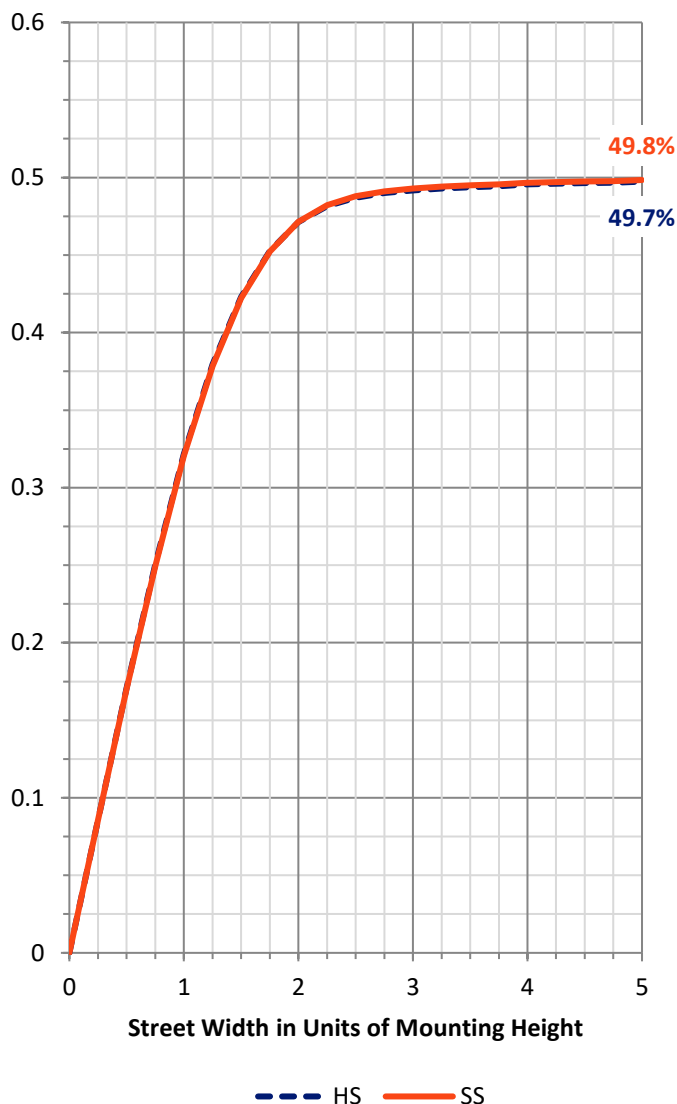
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3067.5	0.0	3067.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3067.5	0.0	3067.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6135.0	0.0	6135.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	1.0
10°-20°	209.1	3.4
20°-30°	407.7	6.6
30°-40°	685.0	11.2
40°-50°	1079.3	17.6
50°-60°	1443.3	23.5
60°-70°	1403.1	22.9
70°-80°	767.0	12.5
80°-90°	78.0	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°	6135.0	100.0
0°-180°	6135.0	100.0

**Coefficient of Utilization**



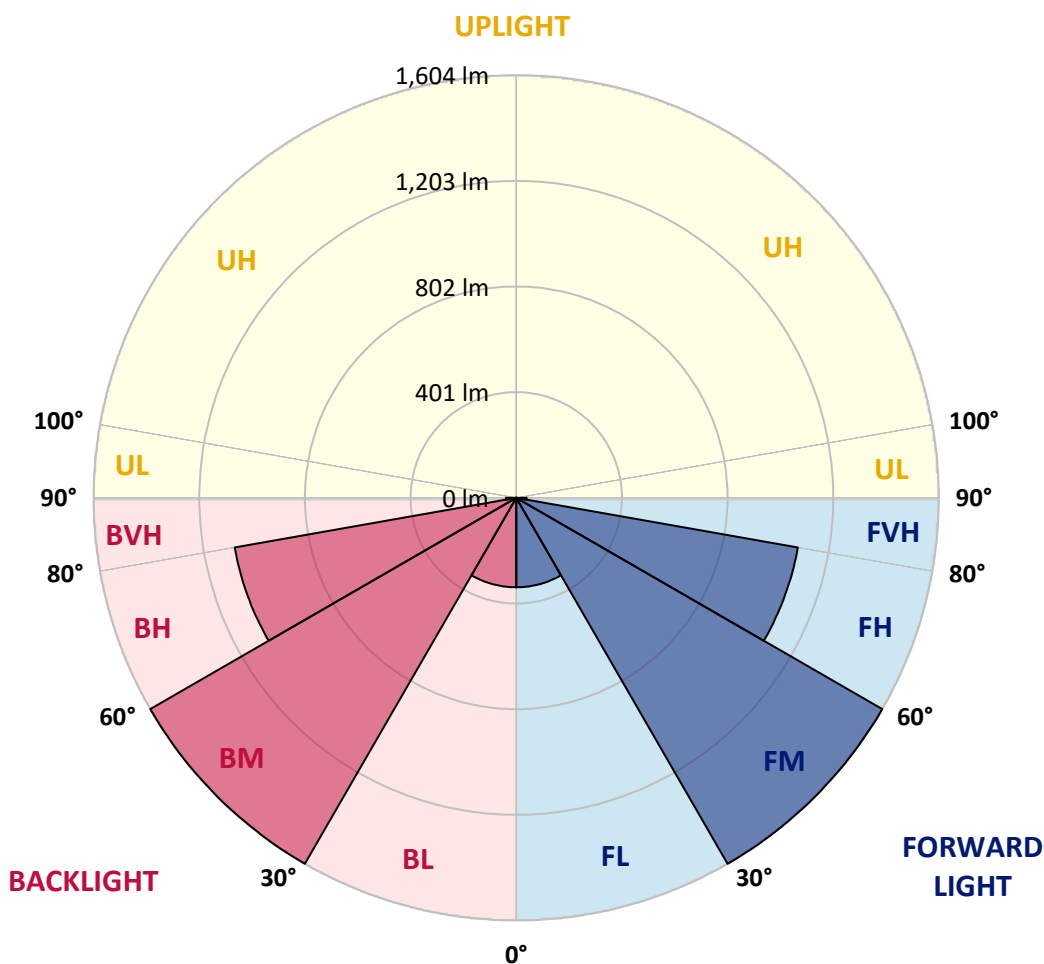
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	339.7	5.5			
FM (30°-60°)	1603.8	26.1			
FH (60°-80°)	1085.1	17.7			G1/1800
FVH (80°-90°)	39.0	0.6			G1/100
BL (0°-30°)	339.7	5.5	B1/500		
BM (30°-60°)	1603.8	26.1	B2/2500		
BH (60°-80°)	1085.1	17.7	B3/2500		G3/2500
BVH (80°-90°)	39.0	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°	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9	637.9
2.5°	633.4	633.6	634.6	635.8	636.9	639.5	640.2	641.2	641.6	642.6	642.6
5°	627.8	628.2	630.7	634.0	637.7	644.3	649.0	654.4	657.0	659.9	659.7
7.5°	627.2	628.2	631.7	637.1	643.2	654.1	664.0	674.7	681.9	688.5	688.1
10°	633.6	635.2	640.2	648.2	657.4	671.0	685.6	700.0	712.6	722.6	723.1
12.5°	643.2	645.3	653.1	665.3	679.2	696.7	714.0	730.3	747.5	762.6	763.8
15°	656.0	658.7	670.4	688.5	709.9	730.7	749.2	765.8	785.8	806.6	808.6
17.5°	674.9	678.6	694.1	718.5	746.7	769.5	788.9	801.4	818.1	839.5	843.4
20°	703.7	708.5	728.0	757.2	791.6	815.4	830.2	832.9	841.1	860.3	864.8
22.5°	741.2	745.3	767.1	801.8	840.3	866.2	874.0	863.3	862.5	878.0	882.3
25°	782.9	786.6	811.9	851.0	892.4	920.9	920.7	900.0	885.6	897.5	902.0
27.5°	829.8	835.6	859.9	901.0	945.2	973.4	971.8	939.7	912.3	915.4	919.3
30°	883.7	890.1	913.7	955.5	999.7	1027.3	1025.2	982.9	941.7	933.5	936.4
32.5°	950.6	958.2	980.6	1021.7	1060.8	1085.7	1079.8	1029.8	977.1	959.2	961.9
35°	1031.0	1035.5	1059.2	1099.7	1131.4	1148.5	1135.9	1084.1	1021.9	1000.4	1000.4
37.5°	1112.5	1116.0	1142.5	1181.8	1212.4	1221.5	1197.0	1143.5	1080.6	1049.9	1050.5
40°	1190.6	1200.1	1229.9	1270.2	1300.5	1302.9	1270.4	1211.4	1145.8	1114.1	1117.8
42.5°	1272.3	1281.6	1317.1	1362.8	1389.5	1393.7	1355.6	1287.5	1219.4	1193.7	1197.8
45°	1345.1	1352.5	1393.7	1446.7	1480.1	1490.8	1445.7	1374.7	1299.0	1273.9	1275.0
47.5°	1395.9	1405.6	1450.8	1513.4	1561.9	1578.4	1534.2	1459.7	1377.4	1347.0	1349.6
50°	1442.0	1447.1	1493.0	1561.3	1623.0	1657.0	1619.1	1543.6	1456.6	1424.3	1427.2
52.5°	1467.7	1474.3	1518.7	1589.9	1662.9	1717.6	1694.6	1619.1	1533.1	1501.7	1505.2
55°	1449.8	1454.8	1508.0	1596.3	1687.6	1755.1	1758.6	1693.0	1608.2	1580.6	1590.5
57.5°	1368.4	1374.5	1439.5	1555.1	1690.7	1780.4	1806.7	1761.5	1678.4	1655.9	1661.7
60°	1241.0	1244.9	1314.3	1444.3	1630.6	1790.9	1837.4	1817.4	1747.1	1724.6	1732.5
62.5°	1014.1	1019.9	1102.8	1277.0	1503.7	1759.8	1867.0	1863.7	1811.0	1790.5	1797.5
65°	693.2	703.3	795.1	1015.4	1308.1	1664.8	1893.9	1917.6	1867.6	1841.7	1850.9
67.5°	418.6	426.0	492.5	670.4	1001.0	1473.1	1866.2	1978.9	1907.5	1865.8	1873.4
68°	374.2	381.0	436.5	605.0	925.9	1419.0	1840.9	1985.9	1911.8	1865.3	1872.1
70°	226.1	230.6	267.8	374.0	617.3	1125.6	1668.3	1980.1	1939.4	1871.1	1875.0
72.5°	147.3	148.7	154.9	191.9	315.3	629.5	1252.1	1845.2	1980.7	1904.6	1904.0
75°	122.4	121.6	122.2	126.5	155.5	276.1	731.7	1457.6	1888.2	1851.8	1838.8
77.5°	103.5	102.9	102.6	102.9	104.1	133.3	317.6	908.0	1444.9	1638.0	1649.6
80°	83.7	82.9	85.6	84.3	80.6	82.9	133.1	377.7	681.1	732.7	686.6
82.5°	60.9	57.8	69.3	66.0	62.9	58.4	73.4	122.0	162.5	111.5	78.4
85°	46.9	43.6	52.7	50.6	43.2	29.8	43.6	59.7	65.8	37.6	29.6
87.5°	19.1	20.2	38.1	30.0	25.3	14.4	17.9	23.9	32.1	16.0	12.3
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)