

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: P385818

Luminaire Tested: GAW-SA1B-830-U-5MQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385818  
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-SA1B-830-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5095 lumens  
Efficiency: N/A  
Efficacy: 115.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

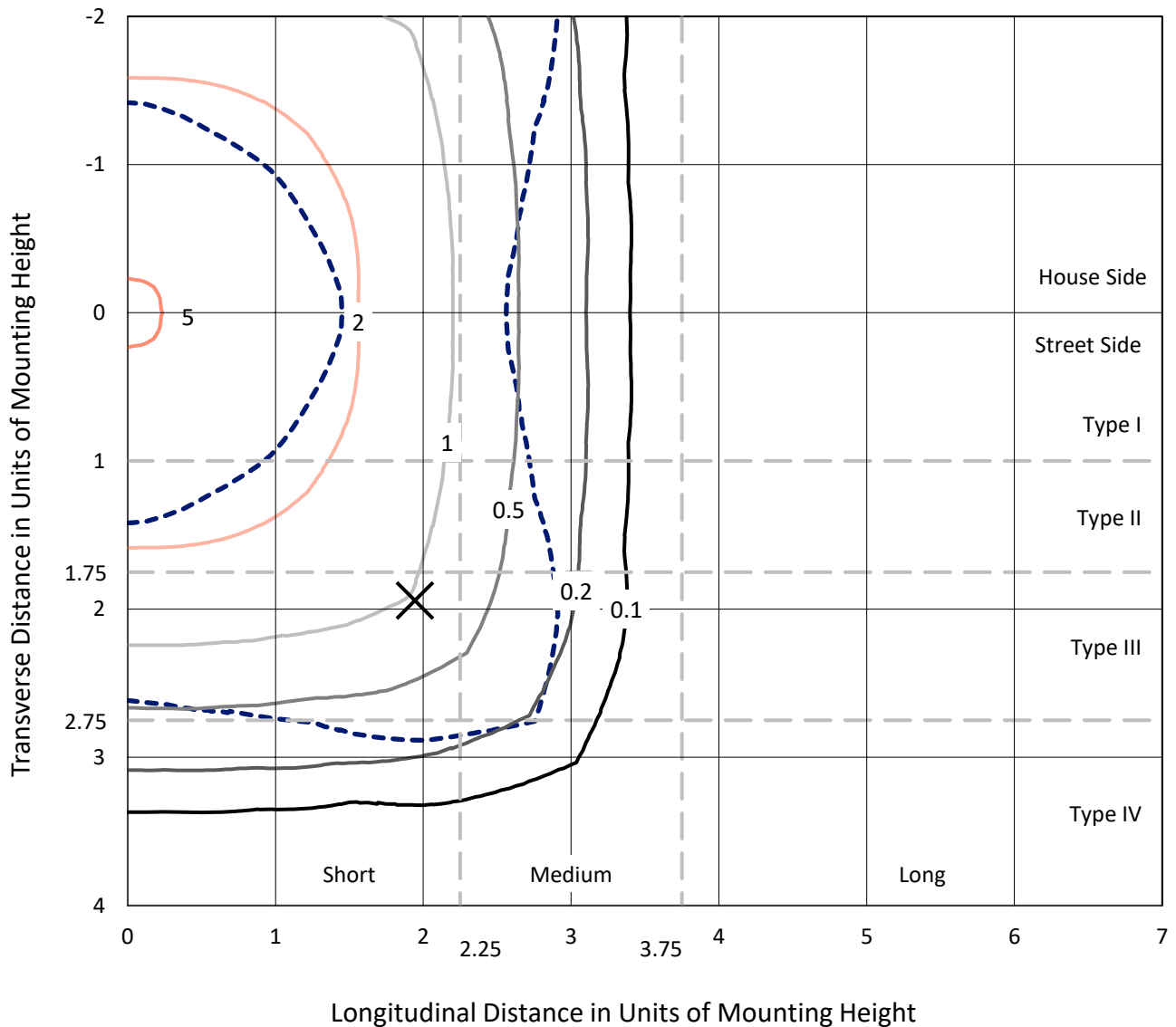
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

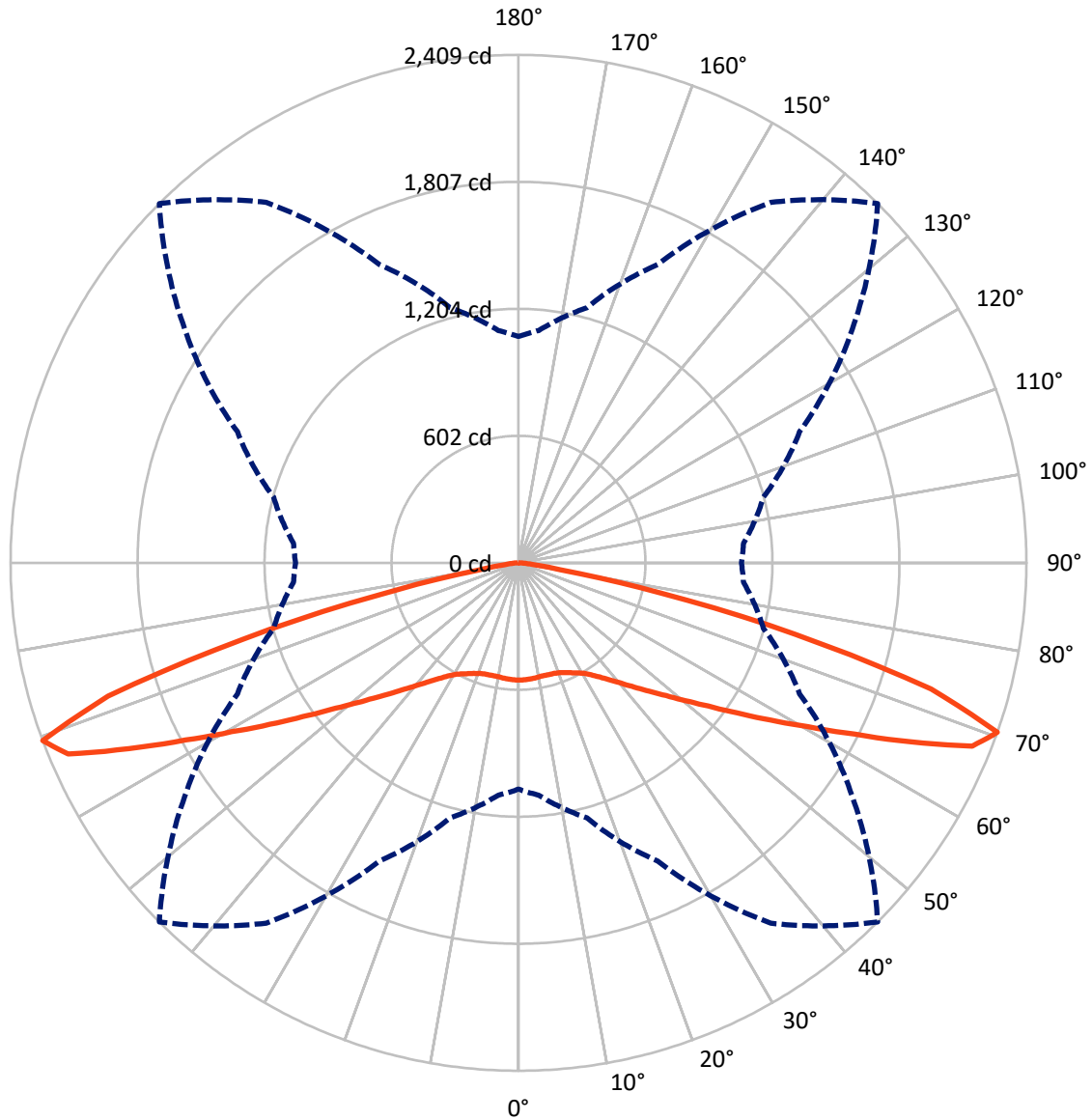
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 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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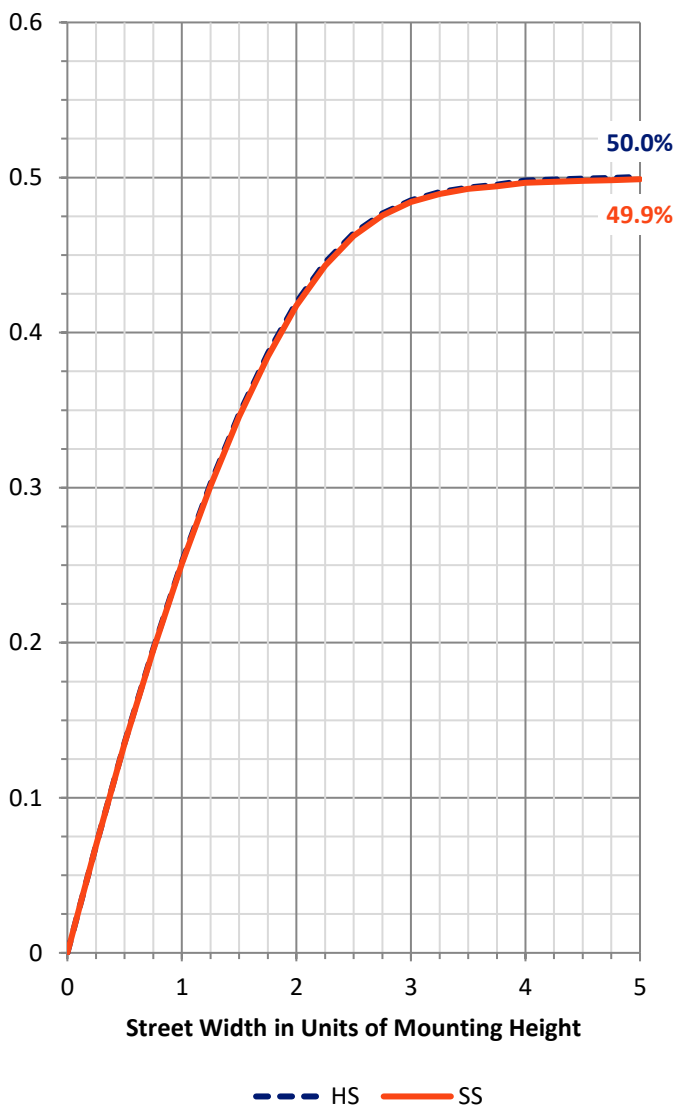
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2547.5	0.0	2547.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2547.5	0.0	2547.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5095.0	0.0	5095.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.7	1.0
10°-20°	154.7	3.0
20°-30°	263.4	5.2
30°-40°	417.7	8.2
40°-50°	679.8	13.3
50°-60°	1120.8	22.0
60°-70°	1645.4	32.3
70°-80°	727.6	14.3
80°-90°	32.9	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°	5095.0	100.0
0°-180°	5095.0	100.0

**Coefficient of Utilization**



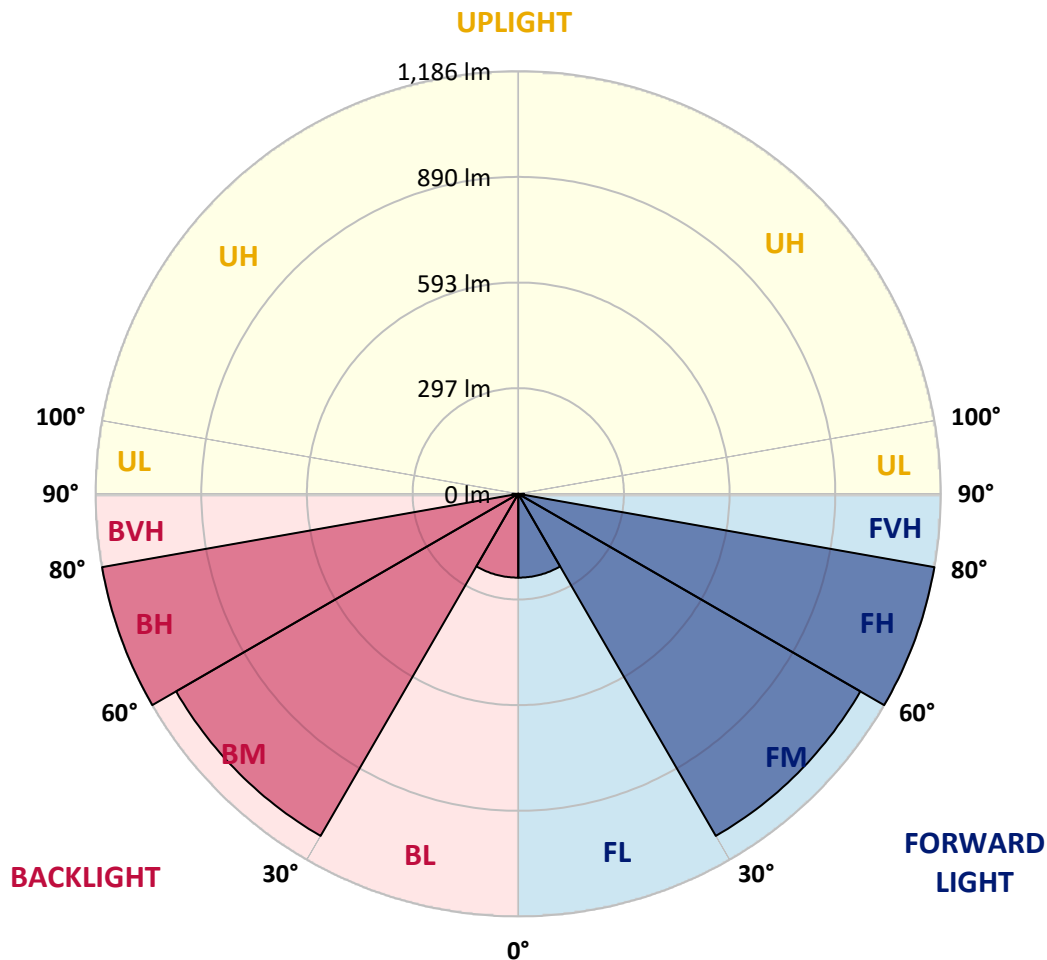
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.4	4.6			
FM (30°-60°)	1109.1	21.8			
FH (60°-80°)	1186.5	23.3			G1/1800
FVH (80°-90°)	16.5	0.3			G1/100
BL (0°-30°)	235.4	4.6	B1/500		
BM (30°-60°)	1109.1	21.8	B2/2500		
BH (60°-80°)	1186.5	23.3	B3/2500		G1/1800
BVH (80°-90°)	16.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
2.5°	555.6	555.1	556.3	556.1	555.1	555.3	555.3	555.8	555.8	555.4	555.4
5°	553.6	553.2	554.6	554.6	553.6	553.9	554.3	554.8	554.6	554.3	554.1
7.5°	551.1	550.9	552.2	552.2	551.6	551.9	551.6	551.7	551.4	551.1	550.6
10°	546.8	547.2	548.4	548.7	548.7	548.9	548.5	547.7	547.2	546.7	546.2
12.5°	543.0	542.8	544.5	545.3	546.7	548.2	547.2	544.8	543.8	542.8	542.5
15°	540.4	540.6	542.3	543.8	546.2	549.4	548.2	544.5	542.5	541.3	540.9
17.5°	539.9	540.3	542.5	545.2	547.7	551.2	550.6	546.8	543.5	541.3	540.8
20°	541.1	541.3	544.6	548.5	552.9	556.3	554.8	550.7	546.2	542.8	542.0
22.5°	543.3	544.0	548.2	554.3	561.0	565.6	563.7	556.8	549.7	545.5	544.3
25°	550.2	550.4	556.1	564.4	572.5	577.7	575.5	565.7	556.6	551.9	550.4
27.5°	564.5	565.1	570.8	580.4	587.3	590.7	589.3	581.4	573.7	568.6	569.1
30°	585.3	586.0	592.4	603.0	607.2	608.1	607.7	604.0	596.9	590.2	590.7
32.5°	610.6	610.9	619.5	629.1	632.5	633.2	632.5	629.1	620.7	611.6	612.1
35°	643.1	644.1	652.4	661.7	664.4	665.7	664.5	660.2	651.4	642.5	642.1
37.5°	683.3	683.4	692.0	701.6	705.0	705.3	704.0	701.1	690.2	682.1	681.6
40°	729.8	730.5	740.6	750.9	752.2	750.7	752.6	750.9	739.6	730.3	731.8
42.5°	786.5	788.0	800.1	810.2	806.4	805.5	806.7	807.2	798.1	786.8	785.8
45°	852.4	853.7	868.9	877.0	874.5	868.9	871.3	875.3	862.7	848.7	850.0
47.5°	927.6	931.0	947.2	954.7	948.5	940.9	945.5	951.5	936.7	919.3	918.5
50°	1011.2	1015.4	1037.0	1047.6	1041.4	1027.4	1035.0	1039.1	1017.6	995.2	993.4
52.5°	1100.4	1104.6	1131.8	1153.7	1149.7	1127.9	1138.5	1134.3	1109.7	1079.5	1077.2
55°	1201.4	1203.1	1232.5	1267.9	1271.9	1255.9	1255.2	1248.3	1211.9	1177.0	1175.3
57.5°	1305.3	1306.5	1344.4	1386.2	1405.3	1405.3	1386.4	1371.7	1323.3	1282.9	1278.7
60°	1417.4	1421.7	1463.6	1520.5	1565.0	1578.1	1544.7	1504.8	1452.2	1402.8	1397.9
62.5°	1517.3	1522.2	1586.4	1671.0	1742.5	1790.4	1708.8	1643.7	1548.0	1468.7	1459.4
65°	1529.9	1543.1	1636.6	1789.9	1949.9	2045.6	1889.1	1728.7	1554.2	1444.1	1434.6
67.5°	1397.2	1419.5	1545.9	1784.5	2115.2	2320.4	2004.2	1680.2	1442.2	1320.5	1310.0
70°	1073.6	1106.0	1251.9	1560.9	2086.7	2408.9	1932.1	1470.9	1202.4	1071.4	1056.8
72.5°	589.0	602.3	733.5	1068.9	1672.9	2047.1	1611.5	1087.6	797.4	648.9	624.2
75°	186.8	191.6	258.3	437.4	946.3	1355.9	1023.7	533.9	293.9	216.7	214.2
77.5°	83.0	83.5	93.4	127.6	325.9	687.0	391.5	145.4	100.2	87.5	90.4
80°	52.4	52.4	57.8	63.2	88.7	199.5	105.9	69.1	59.0	54.8	56.0
82.5°	25.1	27.8	37.6	40.5	48.7	67.1	54.3	45.2	39.5	29.3	27.3
85°	16.5	13.8	23.8	26.8	28.3	32.2	31.5	29.8	25.8	14.7	16.4
87.5°	7.4	7.1	12.3	11.3	10.6	8.1	12.1	15.0	14.5	7.3	7.3
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)