

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: P385599

Luminaire Tested: GAW-SA1A-830-U-RW

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385599  
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-SA1A-830-U-RW  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4042 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

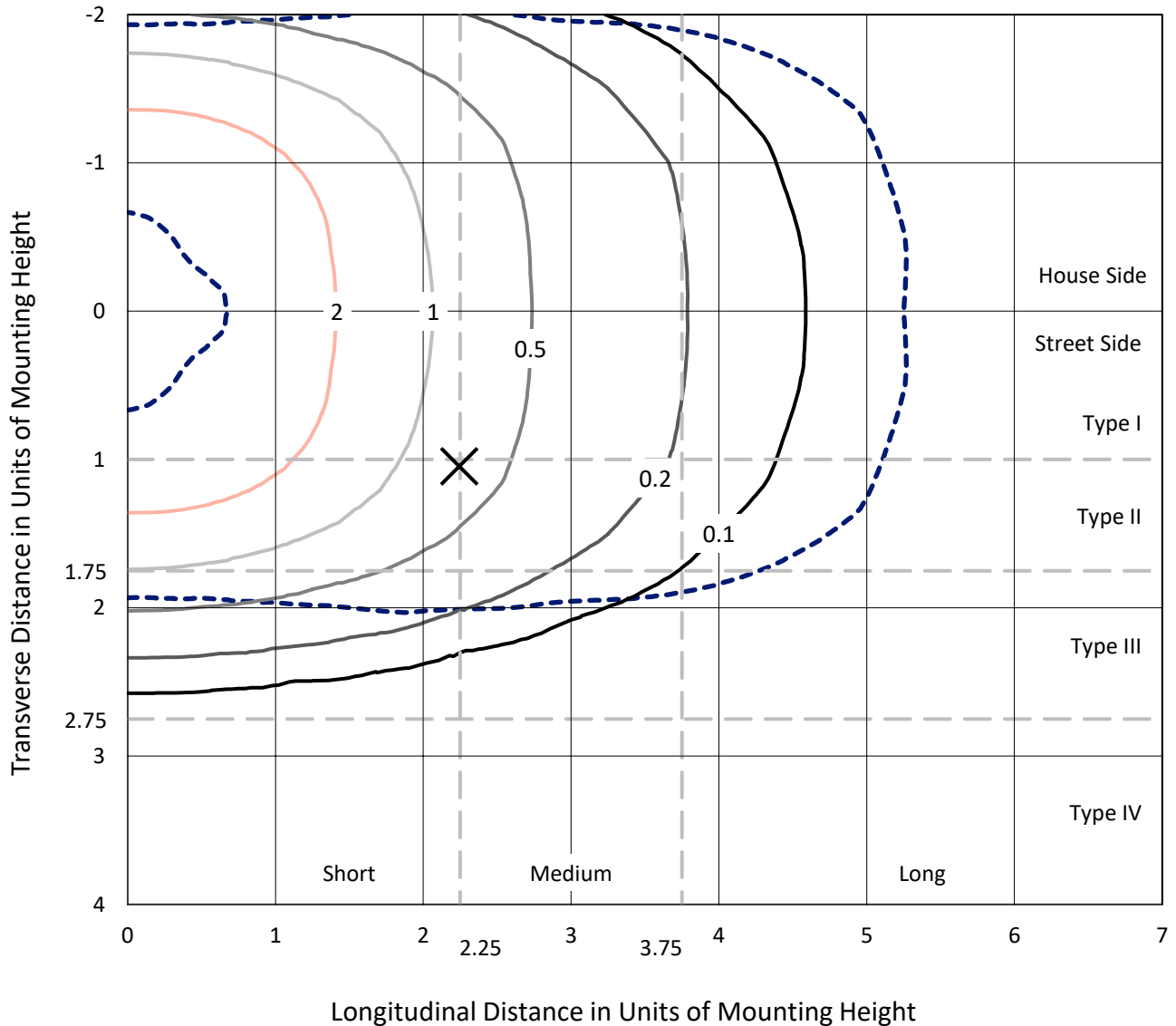
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

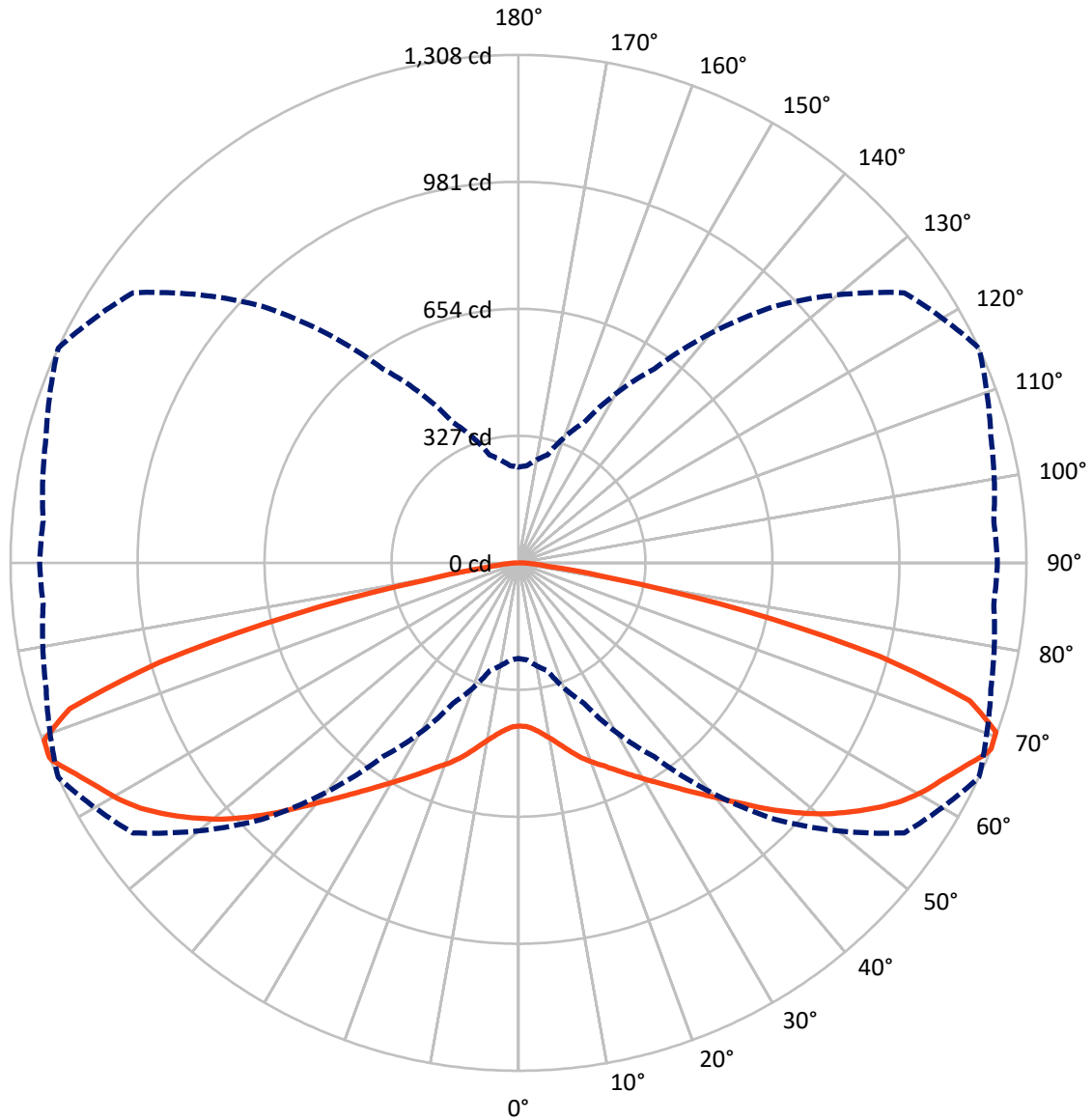
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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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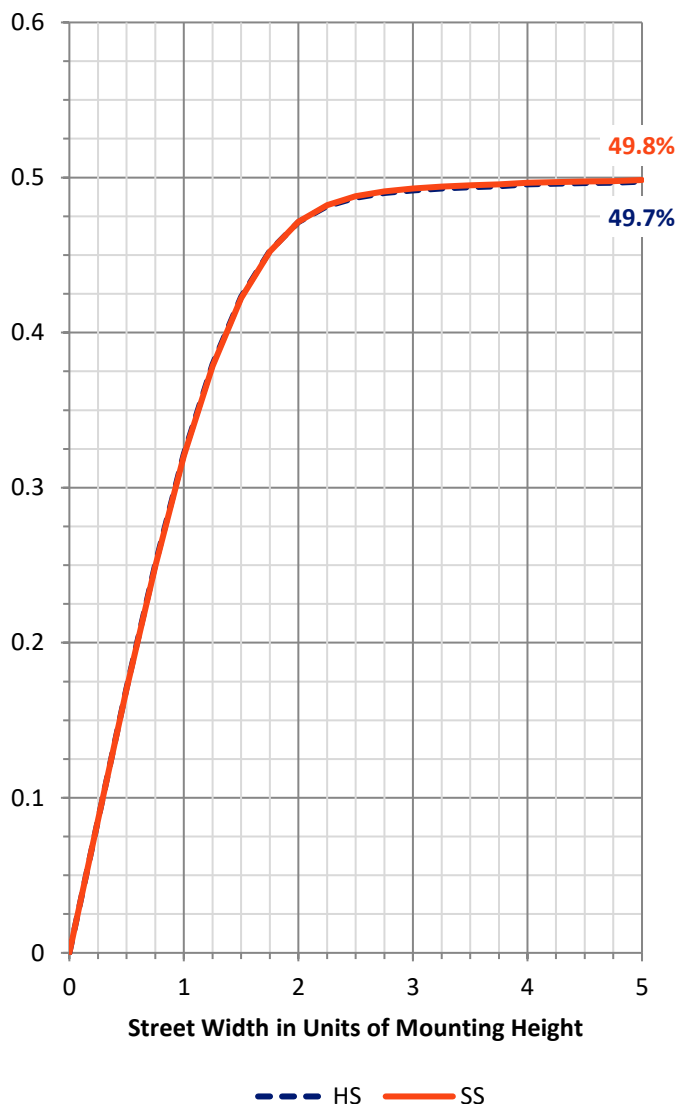
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2021.0	0.0	2021.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2021.0	0.0	2021.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4042.0	0.0	4042.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.1	1.0
10°-20°	137.8	3.4
20°-30°	268.6	6.6
30°-40°	451.3	11.2
40°-50°	711.1	17.6
50°-60°	950.9	23.5
60°-70°	924.4	22.9
70°-80°	505.3	12.5
80°-90°	51.4	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°	4042.0	100.0
0°-180°	4042.0	100.0

**Coefficient of Utilization**



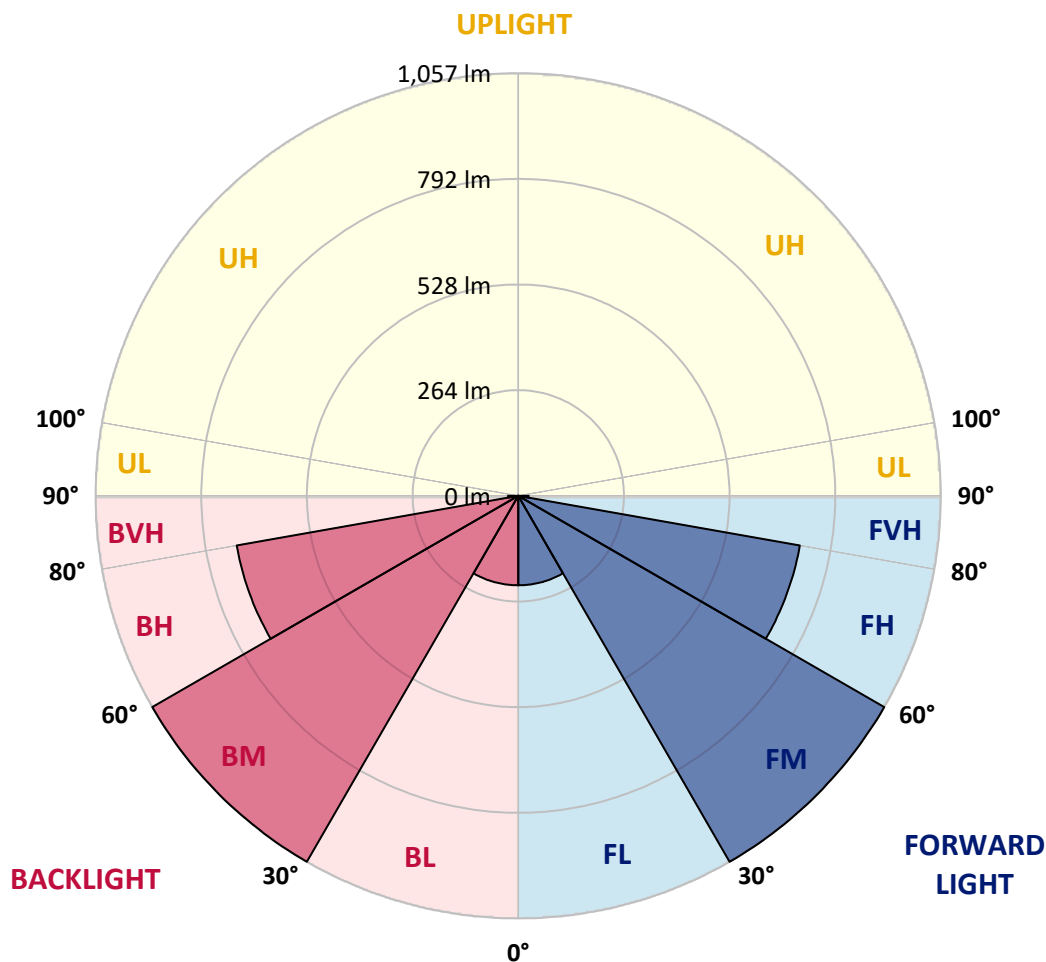
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.8	5.5			
FM (30°-60°)	1056.6	26.1			
FH (60°-80°)	714.9	17.7			G1/1800
FVH (80°-90°)	25.7	0.6			G1/100
BL (0°-30°)	223.8	5.5	B1/500		
BM (30°-60°)	1056.6	26.1	B2/2500		
BH (60°-80°)	714.9	17.7	B2/1000		G2/1000
BVH (80°-90°)	25.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	420.3	420.3	420.3	420.3	420.3	420.3	420.3	420.3	420.3	420.3	420.3
2.5°	417.3	417.4	418.1	418.9	419.6	421.4	421.8	422.4	422.7	423.4	423.4
5°	413.6	413.9	415.5	417.7	420.1	424.5	427.6	431.1	432.9	434.8	434.6
7.5°	413.2	413.9	416.2	419.7	423.8	431.0	437.5	444.5	449.3	453.6	453.3
10°	417.4	418.5	421.8	427.0	433.1	442.1	451.7	461.2	469.5	476.1	476.4
12.5°	423.8	425.2	430.3	438.3	447.5	459.0	470.4	481.1	492.5	502.4	503.2
15°	432.2	434.0	441.7	453.6	467.7	481.4	493.6	504.6	517.7	531.4	532.8
17.5°	444.7	447.1	457.3	473.4	492.0	507.0	519.8	528.0	539.0	553.1	555.7
20°	463.6	466.8	479.6	498.9	521.5	537.2	547.0	548.8	554.2	566.8	569.8
22.5°	488.3	491.0	505.4	528.3	553.6	570.7	575.9	568.8	568.3	578.4	581.3
25°	515.8	518.3	534.9	560.7	587.9	606.8	606.6	592.9	583.4	591.3	594.3
27.5°	546.7	550.5	566.5	593.6	622.8	641.3	640.2	619.1	601.1	603.1	605.7
30°	582.2	586.4	602.0	629.5	658.7	676.8	675.5	647.6	620.4	615.0	616.9
32.5°	626.3	631.3	646.1	673.2	698.9	715.3	711.4	678.5	643.8	632.0	633.7
35°	679.3	682.2	697.8	724.5	745.4	756.7	748.4	714.2	673.3	659.1	659.1
37.5°	732.9	735.2	752.7	778.6	798.8	804.8	788.6	753.4	711.9	691.7	692.1
40°	784.4	790.7	810.3	836.9	856.8	858.4	837.0	798.1	754.9	734.0	736.5
42.5°	838.2	844.3	867.8	897.9	915.5	918.2	893.1	848.3	803.4	786.5	789.2
45°	886.2	891.1	918.2	953.2	975.1	982.2	952.5	905.7	855.9	839.3	840.0
47.5°	919.7	926.1	955.9	997.1	1029.1	1039.9	1010.8	961.7	907.5	887.4	889.2
50°	950.1	953.4	983.7	1028.7	1069.3	1091.7	1066.7	1017.0	959.7	938.4	940.3
52.5°	967.0	971.3	1000.6	1047.5	1095.6	1131.7	1116.5	1066.7	1010.1	989.4	991.7
55°	955.2	958.5	993.6	1051.7	1111.9	1156.3	1158.6	1115.4	1059.6	1041.4	1047.9
57.5°	901.5	905.6	948.4	1024.6	1113.9	1173.0	1190.3	1160.5	1105.8	1091.0	1094.8
60°	817.6	820.2	865.9	951.5	1074.3	1179.9	1210.5	1197.4	1151.0	1136.3	1141.4
62.5°	668.2	671.9	726.6	841.4	990.7	1159.4	1230.1	1227.9	1193.2	1179.6	1184.2
65°	456.7	463.4	523.8	669.0	861.8	1096.8	1247.8	1263.4	1230.5	1213.4	1219.5
67.5°	275.8	280.7	324.5	441.7	659.5	970.5	1229.5	1303.8	1256.8	1229.2	1234.3
68°	246.5	251.0	287.6	398.6	610.0	934.9	1212.8	1308.4	1259.6	1229.0	1233.4
70°	148.9	151.9	176.5	246.4	406.7	741.6	1099.1	1304.6	1277.8	1232.8	1235.3
72.5°	97.0	98.0	102.1	126.4	207.8	414.7	825.0	1215.7	1305.0	1254.9	1254.4
75°	80.6	80.1	80.5	83.3	102.5	181.9	482.1	960.4	1244.0	1220.0	1211.5
77.5°	68.2	67.8	67.6	67.8	68.6	87.8	209.3	598.2	951.9	1079.2	1086.8
80°	55.2	54.6	56.4	55.6	53.1	54.6	87.7	248.8	448.7	482.8	452.4
82.5°	40.1	38.1	45.7	43.5	41.5	38.5	48.4	80.4	107.1	73.5	51.6
85°	30.9	28.7	34.7	33.3	28.5	19.7	28.7	39.3	43.4	24.8	19.5
87.5°	12.6	13.3	25.1	19.8	16.7	9.5	11.8	15.7	21.1	10.6	8.1
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)