

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: P385483

Luminaire Tested: GAW-SA1A-735-U-5NQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385483  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1A-735-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4822.8 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

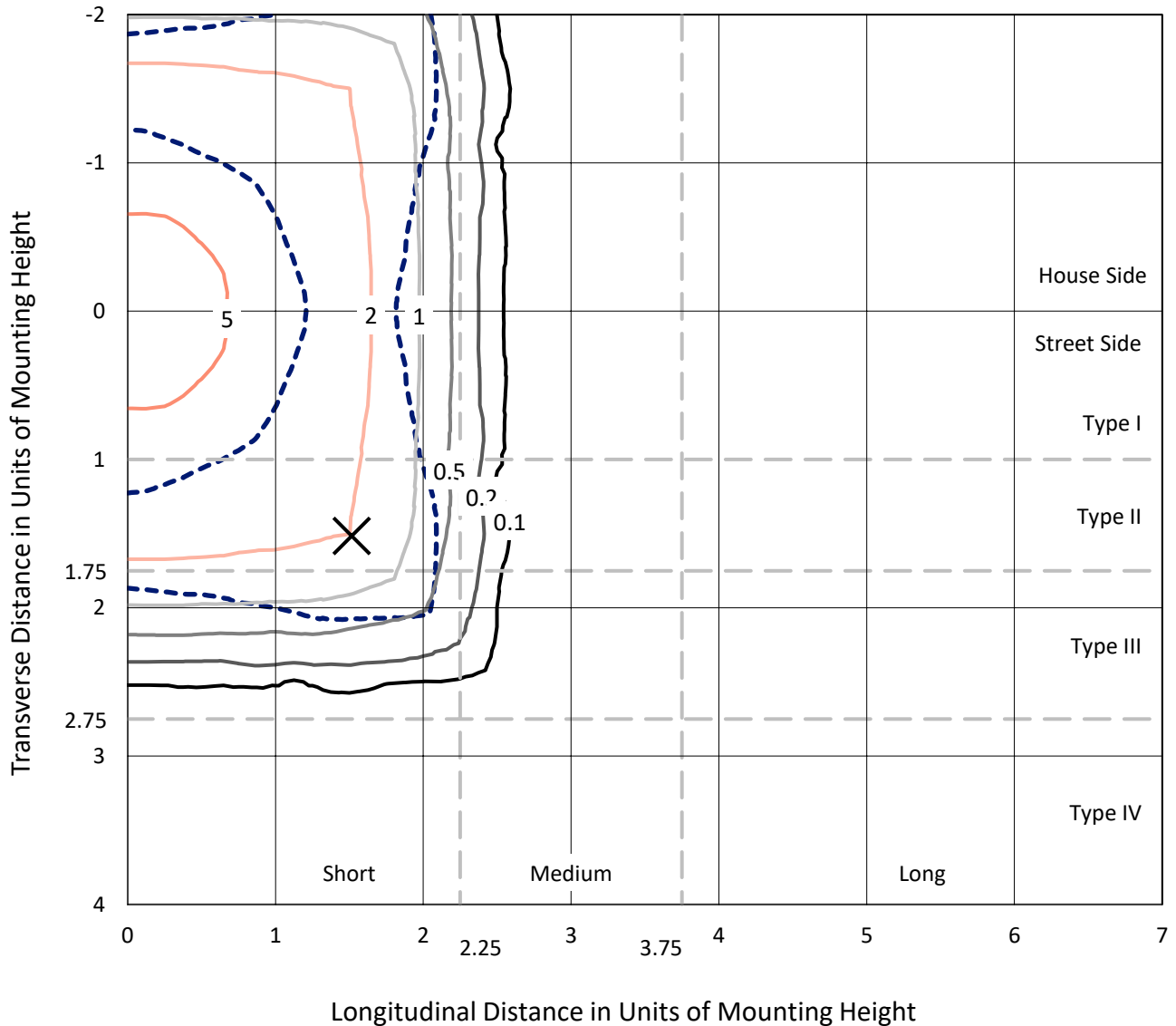
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

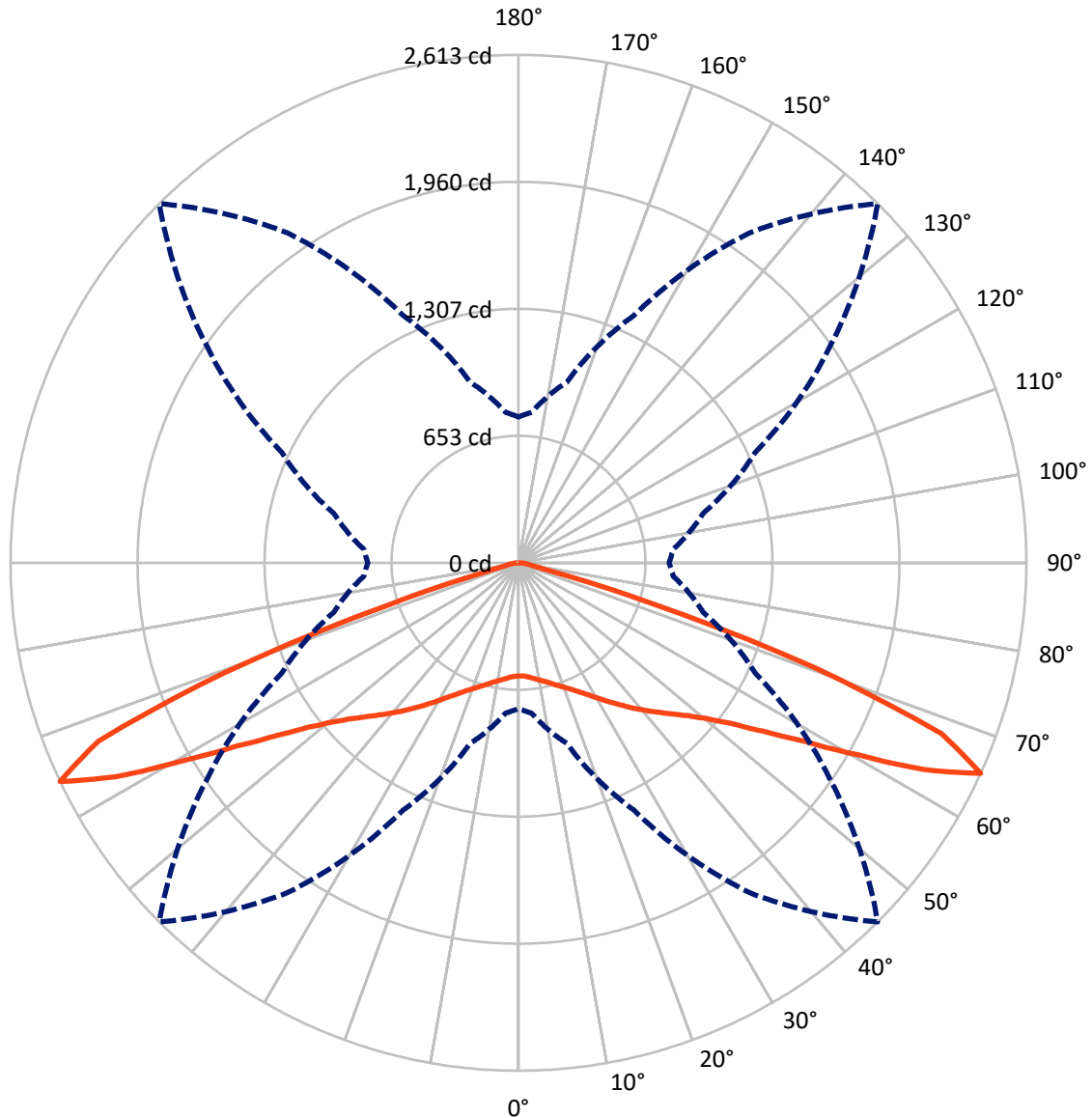
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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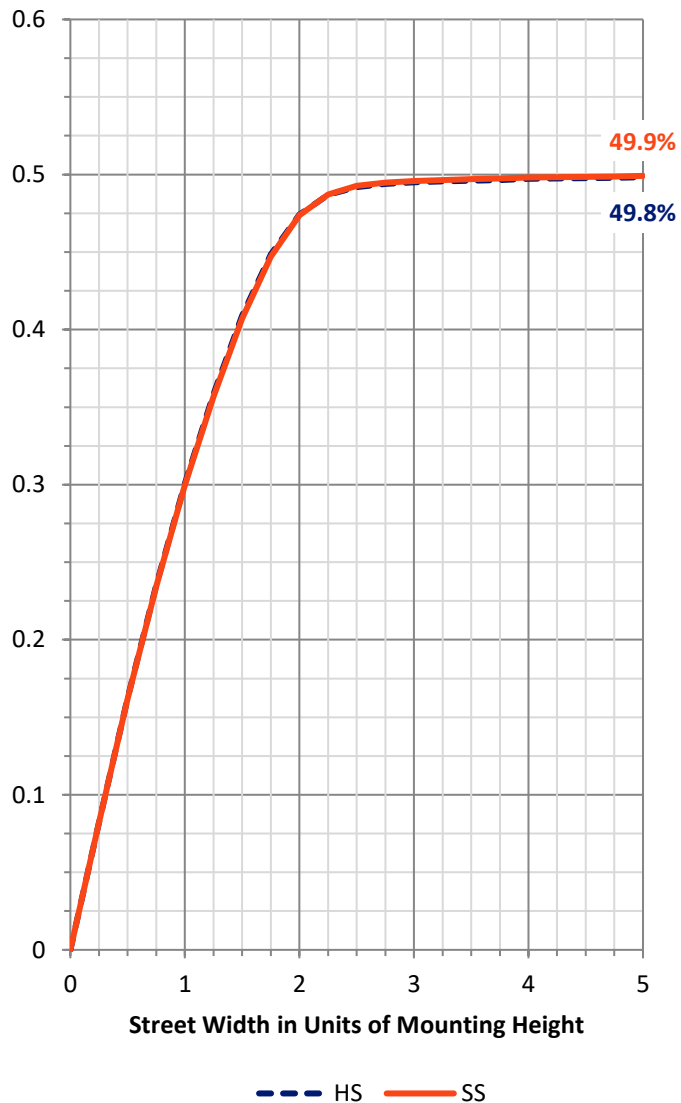
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2411.4	0.0	2411.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2411.4	0.0	2411.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4822.8	0.0	4822.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.1	1.2
10°-20°	183.7	3.8
20°-30°	344.6	7.1
30°-40°	569.9	11.8
40°-50°	882.7	18.3
50°-60°	1353.8	28.1
60°-70°	1263.3	26.2
70°-80°	147.0	3.0
80°-90°	20.7	0.4
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°	4822.8	100.0
0°-180°	4822.8	100.0

**Coefficient of Utilization**

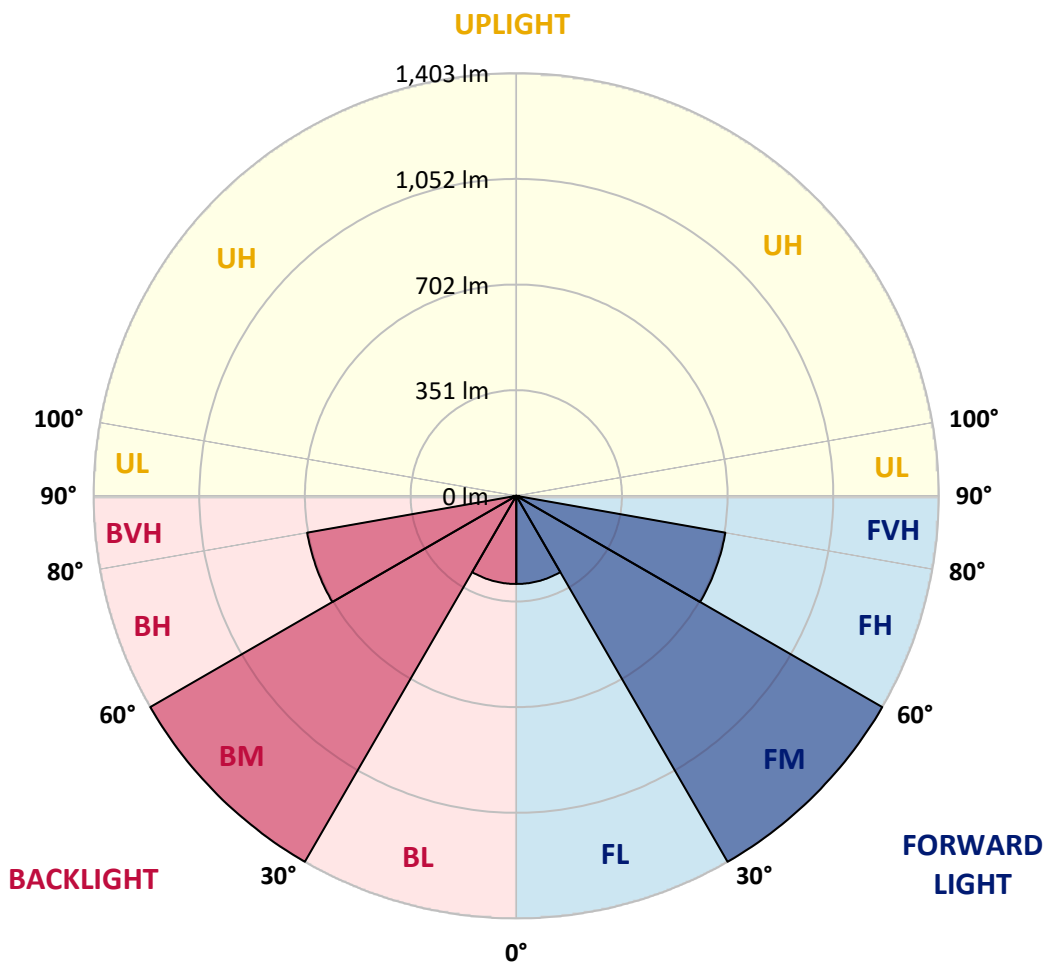


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.7	6.1			
FM (30°-60°)	1403.2	29.1			
FH (60°-80°)	705.1	14.6			G1/1800
FVH (80°-90°)	10.3	0.2			G1/100
BL (0°-30°)	292.7	6.1	B1/500		
BM (30°-60°)	1403.2	29.1	B2/2500		
BH (60°-80°)	705.1	14.6	B2/1000		G1/1800
BVH (80°-90°)	10.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4
2.5°	584.3	584.0	584.3	584.5	583.6	584.0	583.8	584.7	585.0	584.7	584.7
5°	591.1	590.6	591.3	592.0	590.8	591.1	590.6	591.5	591.9	591.3	591.7
7.5°	600.4	600.6	601.1	602.6	601.8	602.4	601.5	601.6	601.5	600.6	600.6
10°	610.4	610.6	611.7	613.6	614.0	614.0	613.3	612.9	612.2	611.5	611.7
12.5°	622.6	623.4	624.2	626.6	626.6	627.9	627.6	626.3	625.2	624.2	624.2
15°	639.1	639.0	639.9	642.3	643.4	645.5	645.5	643.8	642.3	641.3	641.0
17.5°	656.4	656.8	657.5	660.4	662.2	664.5	664.9	663.4	662.5	661.1	660.4
20°	676.6	677.4	679.9	681.1	682.7	684.9	685.7	685.4	684.4	683.8	683.9
22.5°	700.1	702.2	703.8	705.4	707.3	708.9	709.7	710.8	709.9	709.3	709.1
25°	728.6	730.0	733.2	736.1	737.4	737.9	738.8	740.4	740.2	739.1	739.1
27.5°	760.9	763.6	767.7	771.8	771.8	770.2	773.4	776.1	775.2	773.7	771.8
30°	800.2	802.7	807.3	813.1	810.2	809.1	813.4	818.4	817.0	814.5	814.3
32.5°	842.4	844.8	850.9	857.1	853.4	851.8	856.5	863.7	861.1	856.4	853.4
35°	888.2	890.6	899.3	906.8	900.5	897.8	901.6	909.5	905.0	896.1	893.8
37.5°	938.0	939.3	950.5	958.2	953.9	946.6	951.4	957.2	953.4	942.5	938.2
40°	989.7	994.3	1007.3	1016.2	1008.7	997.4	1005.4	1013.4	1007.6	993.7	986.4
42.5°	1050.1	1053.5	1070.9	1078.9	1066.7	1050.7	1061.6	1072.5	1066.7	1053.2	1046.9
45°	1112.8	1118.3	1138.9	1146.9	1129.3	1109.0	1122.3	1141.3	1140.8	1121.4	1114.7
47.5°	1181.2	1186.6	1211.3	1221.9	1202.8	1175.6	1194.3	1221.2	1219.2	1198.0	1192.6
50°	1260.1	1265.8	1296.6	1309.9	1292.1	1260.4	1288.6	1312.2	1308.8	1282.6	1283.0
52.5°	1359.2	1358.8	1397.2	1420.2	1402.0	1374.0	1399.9	1422.9	1408.3	1372.0	1370.9
55°	1446.0	1451.3	1498.6	1542.3	1541.3	1530.5	1540.9	1541.8	1500.2	1451.9	1446.0
57.5°	1502.9	1513.1	1579.8	1658.9	1718.2	1732.3	1712.2	1651.1	1553.6	1476.3	1466.8
60°	1467.9	1483.3	1588.1	1749.3	1923.9	2007.6	1893.7	1704.1	1512.0	1404.3	1391.5
62.5°	1231.3	1257.2	1410.8	1705.7	2100.9	2345.7	2025.3	1619.0	1347.2	1198.8	1176.9
65°	749.9	777.3	962.3	1403.8	2072.2	2613.4	1965.3	1343.8	983.3	798.7	775.0
67.5°	249.9	257.9	366.9	775.9	1628.6	2348.1	1631.4	804.5	427.9	283.7	275.3
70°	97.8	98.6	116.4	224.9	769.1	1612.8	848.6	228.9	121.7	96.2	98.3
72.5°	71.9	72.2	77.1	93.9	200.5	710.5	207.6	94.4	75.1	67.4	67.4
75°	57.8	57.8	61.3	68.5	89.8	163.0	91.1	67.7	58.7	53.8	53.2
77.5°	45.7	46.6	49.3	53.9	60.9	78.4	63.0	53.6	47.3	42.7	41.8
80°	33.9	34.9	39.4	41.6	43.7	54.4	46.6	42.0	37.5	32.0	31.1
82.5°	22.3	23.2	28.8	30.1	29.6	35.5	31.4	30.9	27.5	20.7	19.7
85°	14.6	14.8	19.3	20.0	18.4	16.2	20.0	21.1	19.3	13.4	13.0
87.5°	6.9	6.9	9.8	9.1	8.4	6.8	9.1	10.7	10.9	6.6	6.4
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)