

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: P385482

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385482  
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-SA1A-735-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4911.2 lumens  
Efficiency: N/A  
Efficacy: 144.4 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): 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

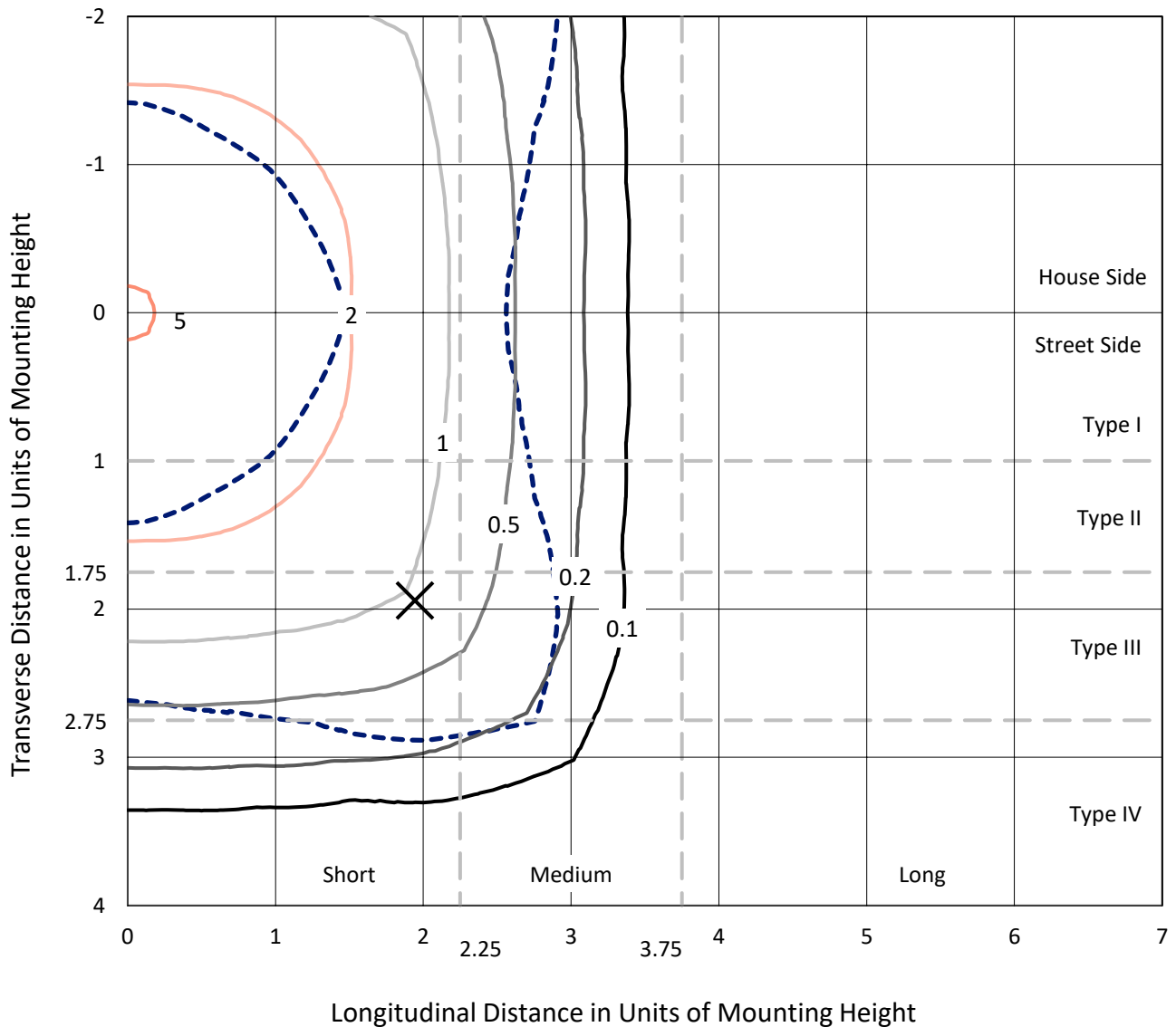




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### Iso-Footcandle Lines of Horizontal Illumination

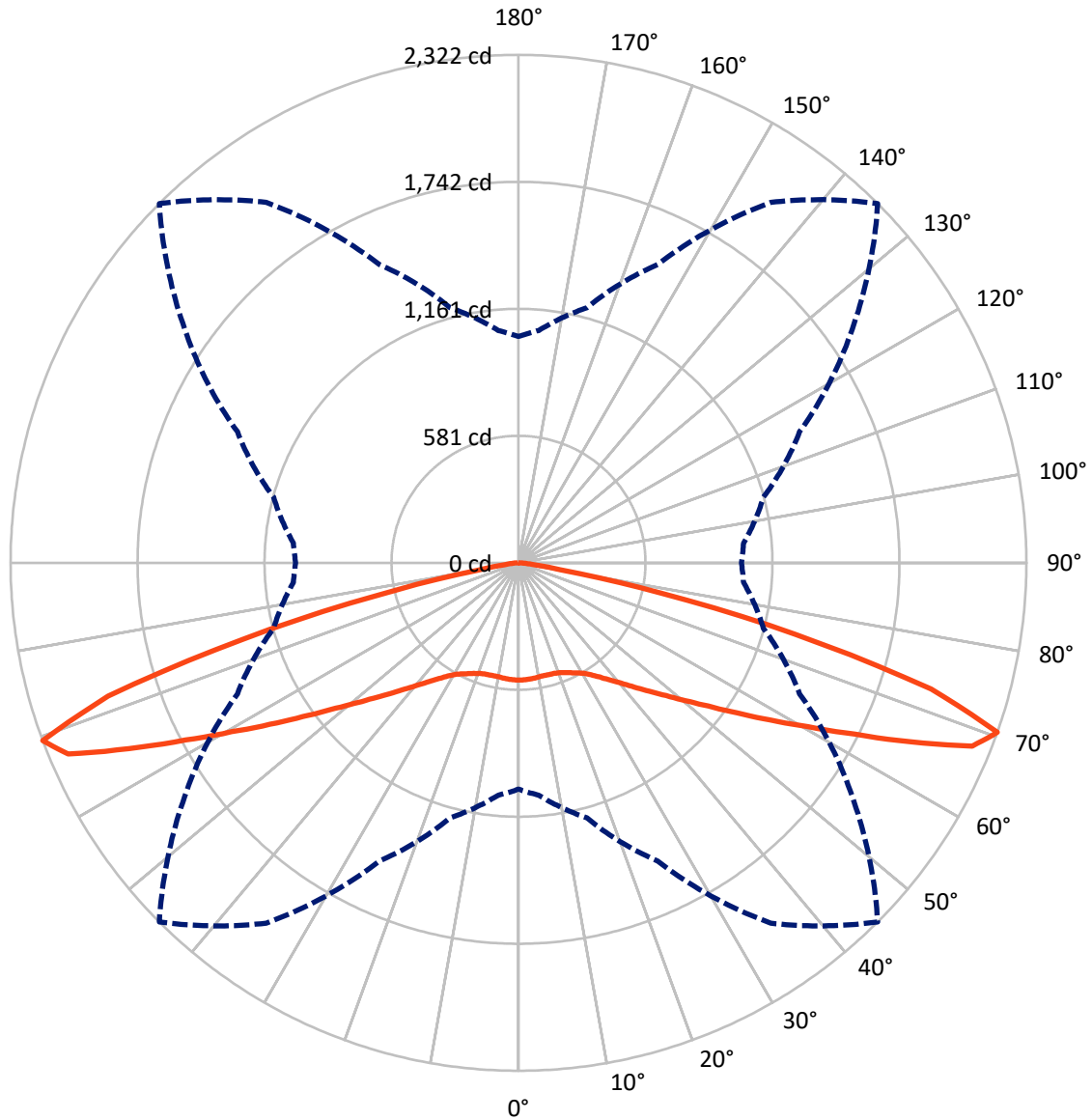
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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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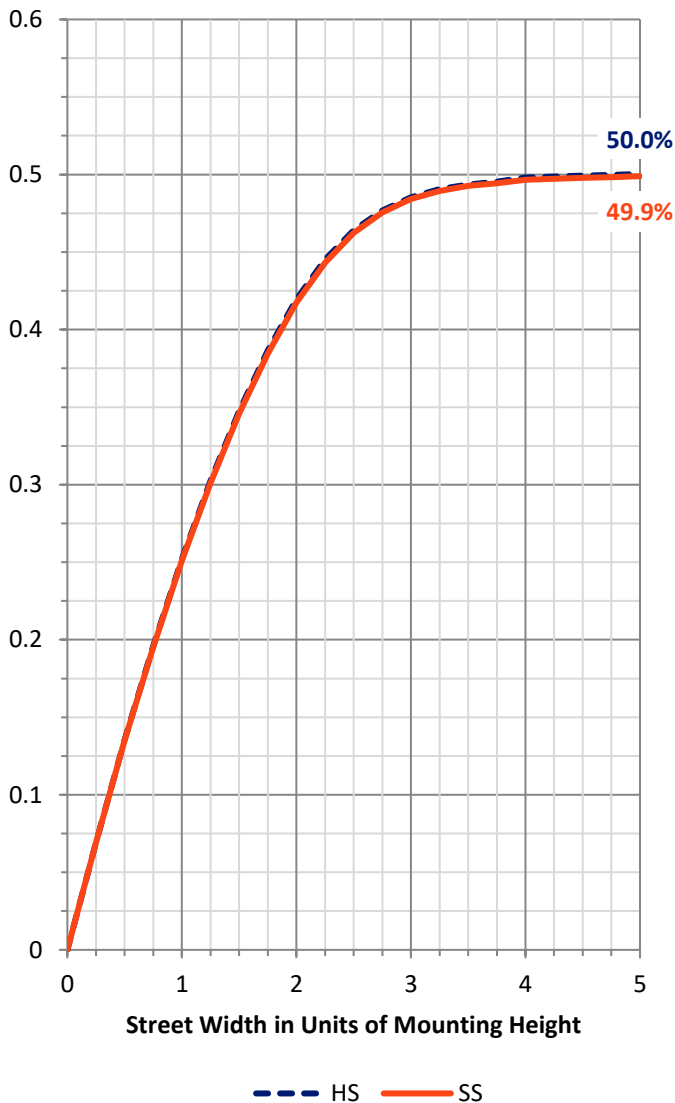
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2455.6	0.0	2455.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2455.6	0.0	2455.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4911.2	0.0	4911.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	1.0
10°-20°	149.1	3.0
20°-30°	253.9	5.2
30°-40°	402.7	8.2
40°-50°	655.2	13.3
50°-60°	1080.4	22.0
60°-70°	1586.0	32.3
70°-80°	701.3	14.3
80°-90°	31.8	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°	4911.2	100.0
0°-180°	4911.2	100.0

**Coefficient of Utilization**



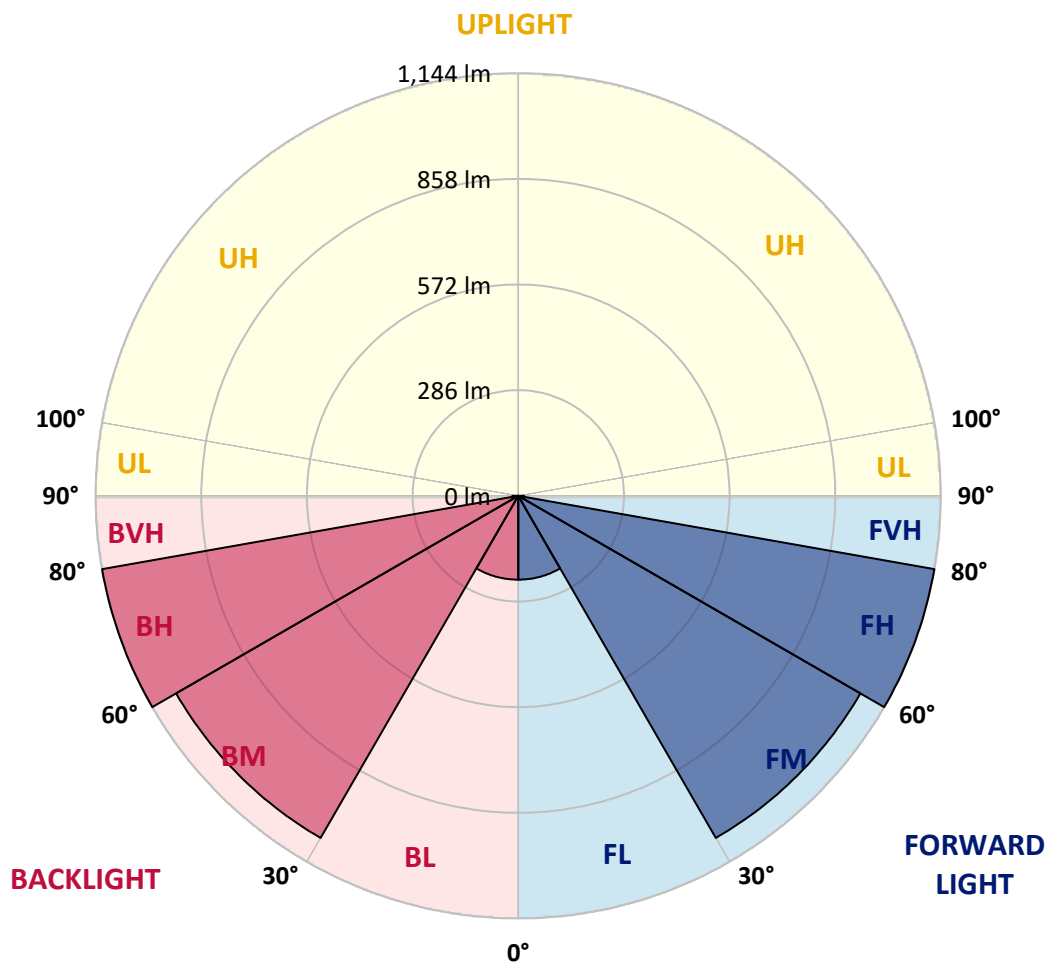
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.9	4.6			
FM (30°-60°)	1069.1	21.8			
FH (60°-80°)	1143.7	23.3			G1/1800
FVH (80°-90°)	15.9	0.3			G1/100
BL (0°-30°)	226.9	4.6	B1/500		
BM (30°-60°)	1069.1	21.8	B2/2500		
BH (60°-80°)	1143.7	23.3	B3/2500		G1/1800
BVH (80°-90°)	15.9	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°	536.4	536.4	536.4	536.4	536.4	536.4	536.4	536.4	536.4	536.4	536.4
2.5°	535.5	535.1	536.2	536.0	535.1	535.3	535.3	535.7	535.7	535.4	535.4
5°	533.6	533.3	534.6	534.6	533.6	534.0	534.2	534.7	534.6	534.2	534.1
7.5°	531.1	531.0	532.4	532.4	531.7	532.0	531.7	531.8	531.5	531.1	530.7
10°	527.1	527.5	528.6	528.9	528.9	529.1	528.7	527.9	527.5	526.9	526.4
12.5°	523.3	523.2	524.8	525.7	526.9	528.4	527.5	525.1	524.2	523.2	522.9
15°	520.9	521.1	522.7	524.2	526.4	529.5	528.4	524.8	522.9	521.7	521.5
17.5°	520.4	520.8	522.9	525.5	527.9	531.3	530.7	527.1	523.9	521.7	521.3
20°	521.6	521.7	525.0	528.7	532.9	536.2	534.7	530.9	526.4	523.2	522.4
22.5°	523.7	524.4	528.4	534.2	540.8	545.1	543.3	536.7	529.9	525.8	524.7
25°	530.4	530.6	536.0	544.0	551.8	556.9	554.7	545.3	536.6	532.0	530.6
27.5°	544.2	544.7	550.2	559.4	566.1	569.4	568.1	560.4	552.9	548.0	548.6
30°	564.2	564.9	571.0	581.2	585.3	586.1	585.8	582.2	575.4	568.9	569.4
32.5°	588.5	588.9	597.2	606.5	609.7	610.3	609.7	606.5	598.3	589.6	590.0
35°	619.9	620.9	628.8	637.8	640.4	641.7	640.6	636.3	627.9	619.2	619.0
37.5°	658.6	658.8	667.1	676.4	679.6	679.9	678.6	675.8	665.3	657.5	657.0
40°	703.4	704.1	713.8	723.8	725.1	723.6	725.4	723.8	712.9	704.0	705.4
42.5°	758.1	759.5	771.2	781.0	777.3	776.4	777.5	778.1	769.3	758.4	757.4
45°	821.6	822.9	837.6	845.4	842.9	837.6	839.8	843.8	831.6	818.0	819.3
47.5°	894.1	897.4	913.0	920.3	914.3	907.0	911.3	917.2	902.9	886.1	885.4
50°	974.7	978.8	999.6	1009.8	1003.8	990.3	997.6	1001.6	980.9	959.3	957.5
52.5°	1060.8	1064.8	1090.9	1112.1	1108.2	1087.3	1097.5	1093.4	1069.7	1040.6	1038.3
55°	1158.1	1159.7	1188.0	1222.2	1226.0	1210.6	1209.9	1203.3	1168.1	1134.5	1132.9
57.5°	1258.2	1259.4	1295.9	1336.2	1354.6	1354.6	1336.4	1322.2	1275.6	1236.6	1232.5
60°	1366.3	1370.4	1410.8	1465.6	1508.5	1521.2	1489.0	1450.5	1399.8	1352.2	1347.5
62.5°	1462.5	1467.2	1529.1	1610.8	1679.6	1725.9	1647.1	1584.4	1492.1	1415.7	1406.7
65°	1474.7	1487.3	1577.6	1725.3	1879.5	1971.8	1820.9	1666.3	1498.1	1392.0	1382.9
67.5°	1346.8	1368.2	1490.2	1720.1	2038.9	2236.7	1932.0	1619.5	1390.2	1272.9	1262.7
70°	1034.8	1066.1	1206.7	1504.6	2011.4	2322.0	1862.3	1417.8	1159.0	1032.8	1018.6
72.5°	567.8	580.5	707.1	1030.3	1612.6	1973.2	1553.4	1048.4	768.6	625.4	601.7
75°	180.1	184.7	249.0	421.6	912.2	1307.0	986.7	514.6	283.3	208.8	206.4
77.5°	79.9	80.4	90.1	123.1	314.2	662.2	377.4	140.1	96.6	84.4	87.1
80°	50.5	50.5	55.7	61.0	85.5	192.3	102.1	66.6	56.9	52.8	53.9
82.5°	24.2	26.8	36.3	39.0	47.0	64.7	52.3	43.6	38.0	28.3	26.3
85°	16.0	13.3	22.9	25.8	27.3	31.0	30.4	28.7	24.9	14.2	15.8
87.5°	7.1	6.9	11.8	10.9	10.2	7.8	11.7	14.5	14.0	7.0	7.0
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)