

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: P385790

Luminaire Tested: GAW-SA1B-827-U-5MQ

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385790  
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-827-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4714 lumens  
Efficiency: N/A  
Efficacy: 107.1 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

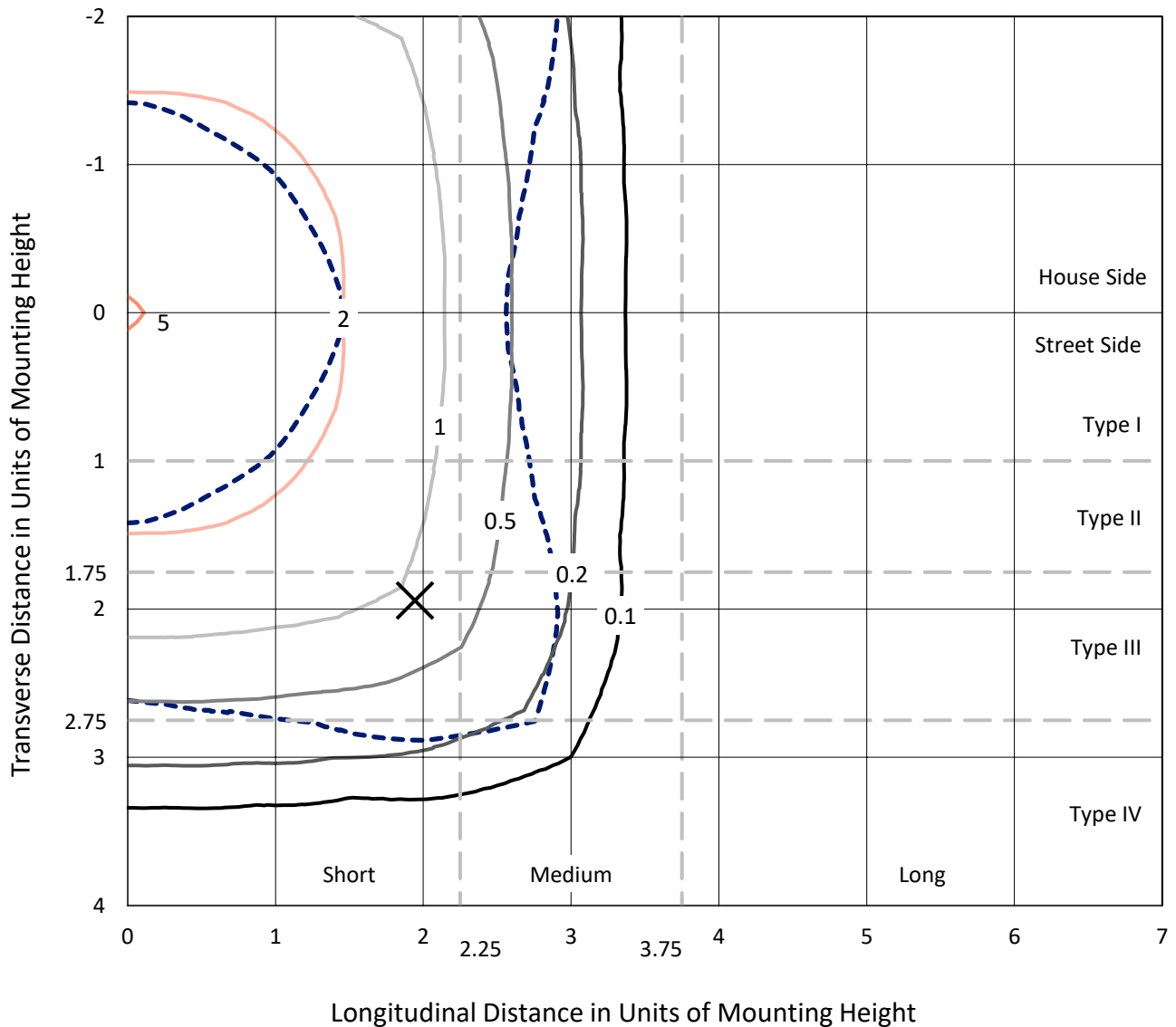
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

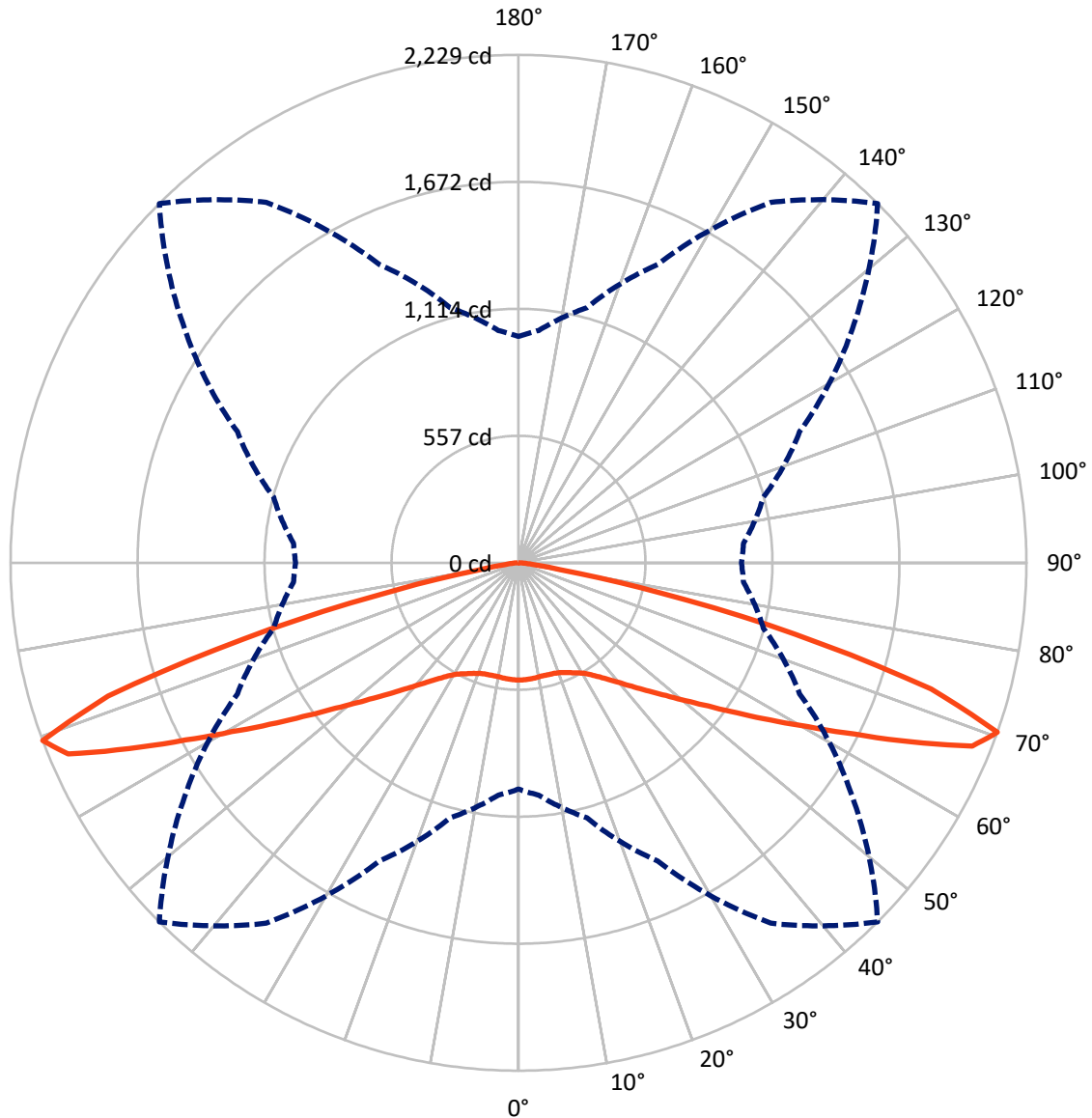
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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	2357.0	0.0	2357.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2357.0	0.0	2357.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4714.0	0.0	4714.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.8	1.0
10°-20°	143.1	3.0
20°-30°	243.7	5.2
30°-40°	386.5	8.2
40°-50°	628.9	13.3
50°-60°	1037.0	22.0
60°-70°	1522.3	32.3
70°-80°	673.2	14.3
80°-90°	30.5	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°	4714.0	100.0
0°-180°	4714.0	100.0

**Coefficient of Utilization**



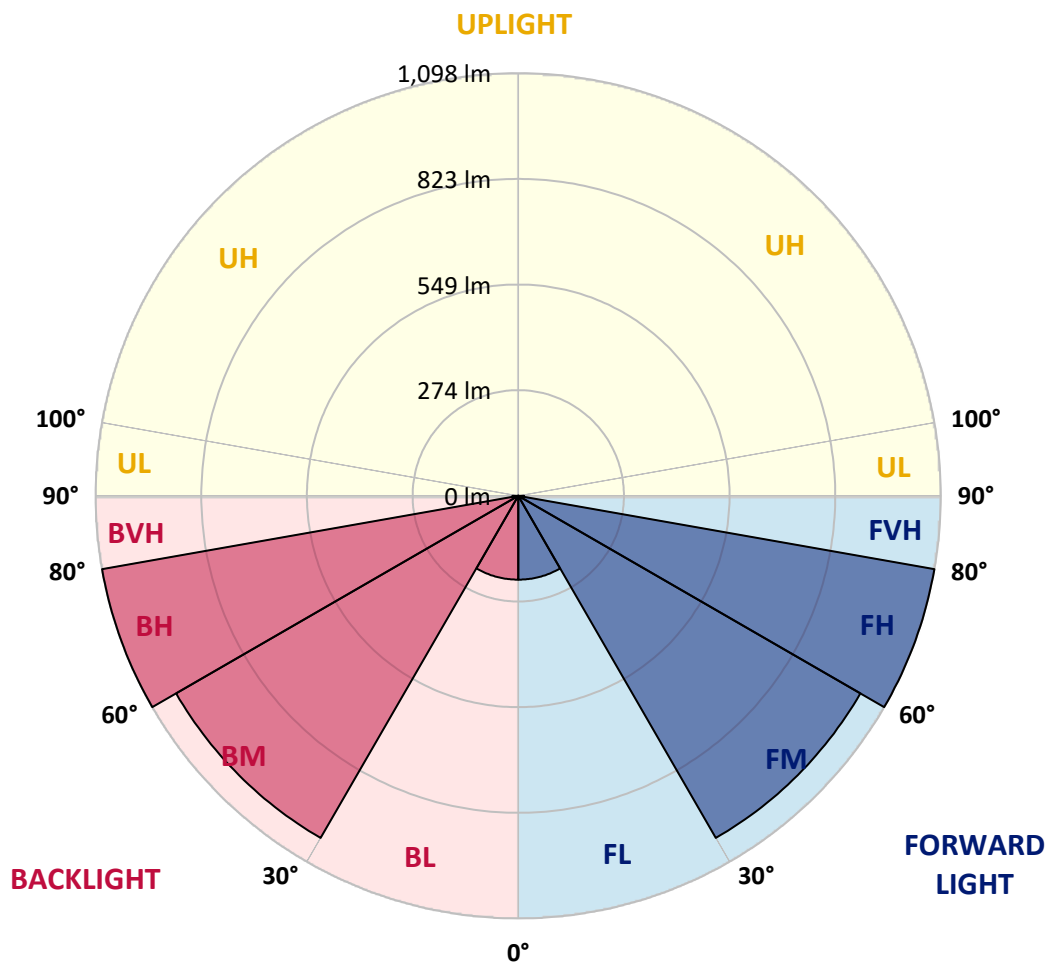
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.8	4.6			
FM (30°-60°)	1026.2	21.8			
FH (60°-80°)	1097.8	23.3			G1/1800
FVH (80°-90°)	15.2	0.3			G1/100
BL (0°-30°)	217.8	4.6	B1/500		
BM (30°-60°)	1026.2	21.8	B2/2500		
BH (60°-80°)	1097.8	23.3	B3/2500		G1/1800
BVH (80°-90°)	15.2	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°	514.8	514.8	514.8	514.8	514.8	514.8	514.8	514.8	514.8	514.8	514.8
2.5°	514.1	513.6	514.7	514.5	513.6	513.8	513.8	514.2	514.2	513.9	513.9
5°	512.2	511.9	513.1	513.1	512.2	512.5	512.8	513.3	513.1	512.8	512.7
7.5°	509.8	509.7	510.9	510.9	510.3	510.6	510.3	510.5	510.2	509.8	509.4
10°	505.9	506.3	507.4	507.7	507.7	507.8	507.5	506.7	506.3	505.8	505.3
12.5°	502.4	502.2	503.8	504.5	505.8	507.2	506.3	504.1	503.1	502.2	501.9
15°	500.0	500.2	501.7	503.1	505.3	508.3	507.2	503.8	501.9	500.8	500.5
17.5°	499.6	499.9	501.9	504.4	506.7	510.0	509.4	505.9	502.8	500.8	500.3
20°	500.6	500.8	503.9	507.5	511.6	514.7	513.3	509.5	505.3	502.2	501.4
22.5°	502.7	503.3	507.2	512.8	519.1	523.3	521.6	515.2	508.6	504.7	503.6
25°	509.1	509.2	514.5	522.2	529.7	534.5	532.5	523.4	515.0	510.6	509.2
27.5°	522.3	522.8	528.1	537.0	543.4	546.5	545.3	537.9	530.8	526.1	526.5
30°	541.5	542.1	548.1	557.9	561.8	562.6	562.3	558.8	552.3	546.0	546.5
32.5°	564.9	565.2	573.2	582.1	585.2	585.8	585.2	582.1	574.3	565.9	566.3
35°	595.0	596.0	603.6	612.2	614.7	615.9	614.8	610.8	602.7	594.4	594.1
37.5°	632.2	632.3	640.3	649.2	652.3	652.6	651.4	648.7	638.6	631.1	630.6
40°	675.2	675.8	685.2	694.7	696.0	694.6	696.3	694.7	684.3	675.7	677.1
42.5°	727.6	729.0	740.3	749.6	746.1	745.3	746.4	746.8	738.4	728.0	727.0
45°	788.6	789.9	803.9	811.4	809.1	803.9	806.1	809.9	798.2	785.2	786.5
47.5°	858.2	861.3	876.3	883.3	877.6	870.6	874.8	880.4	866.7	850.6	849.8
50°	935.6	939.5	959.5	969.3	963.5	950.6	957.6	961.4	941.5	920.8	919.1
52.5°	1018.1	1022.0	1047.2	1067.4	1063.7	1043.6	1053.4	1049.5	1026.7	998.8	996.6
55°	1111.6	1113.2	1140.3	1173.1	1176.8	1162.0	1161.4	1155.0	1121.3	1089.0	1087.4
57.5°	1207.7	1208.8	1243.9	1282.6	1300.2	1300.2	1282.7	1269.2	1224.4	1186.9	1183.0
60°	1311.4	1315.3	1354.2	1406.8	1448.0	1460.1	1429.2	1392.3	1343.6	1297.9	1293.3
62.5°	1403.8	1408.3	1467.8	1546.1	1612.2	1656.5	1581.0	1520.8	1432.2	1358.9	1350.3
65°	1415.5	1427.7	1514.3	1656.1	1804.1	1892.6	1747.8	1599.4	1438.0	1336.1	1327.4
67.5°	1292.7	1313.3	1430.3	1651.1	1957.0	2146.9	1854.4	1554.5	1334.4	1221.7	1212.1
70°	993.3	1023.3	1158.2	1444.2	1930.7	2228.8	1787.6	1360.9	1112.5	991.3	977.7
72.5°	545.0	557.3	678.7	989.0	1547.8	1894.0	1491.0	1006.3	737.8	600.3	577.6
75°	172.9	177.2	239.0	404.7	875.5	1254.5	947.2	493.9	271.9	200.5	198.1
77.5°	76.8	77.2	86.4	118.1	301.6	635.6	362.3	134.5	92.7	81.0	83.6
80°	48.5	48.5	53.5	58.5	82.1	184.6	98.0	64.0	54.6	50.7	51.8
82.5°	23.2	25.7	34.8	37.4	45.1	62.1	50.2	41.8	36.5	27.1	25.3
85°	15.3	12.8	22.0	24.8	26.2	29.8	29.2	27.6	23.9	13.6	15.1
87.5°	6.9	6.6	11.4	10.5	9.8	7.5	11.2	13.9	13.4	6.7	6.7
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)