

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: McGRAW-EDISON

Report Number: P633236

Luminaire Tested: GWS-SA2E-735-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633236  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-735-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

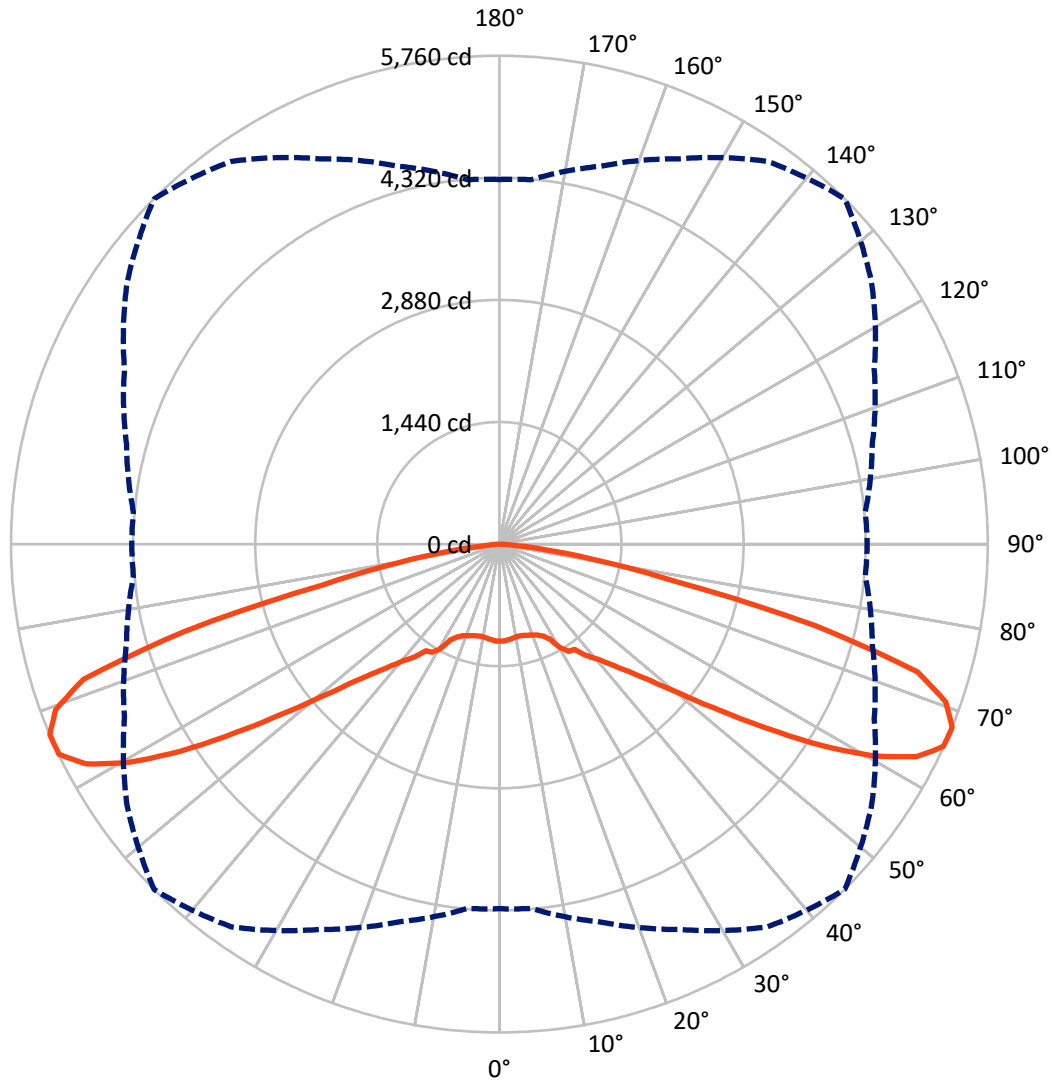
Lumens per Lamp: N/A  
Luminaire Lumens: 14589.7 lumens  
Efficiency: N/A  
Efficacy: 134.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT





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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7294.8	0.0	7294.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7294.8	0.0	7294.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14589.7	0.0	14589.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.4	0.7
10°-20°	318.8	2.2
20°-30°	571.9	3.9
30°-40°	966.0	6.6
40°-50°	1697.3	11.6
50°-60°	3274.2	22.4
60°-70°	4750.5	32.6
70°-80°	2718.0	18.6
80°-90°	185.5	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°	14589.7	100.0
0°-180°	14589.7	100.0

**Coefficient of Utilization**



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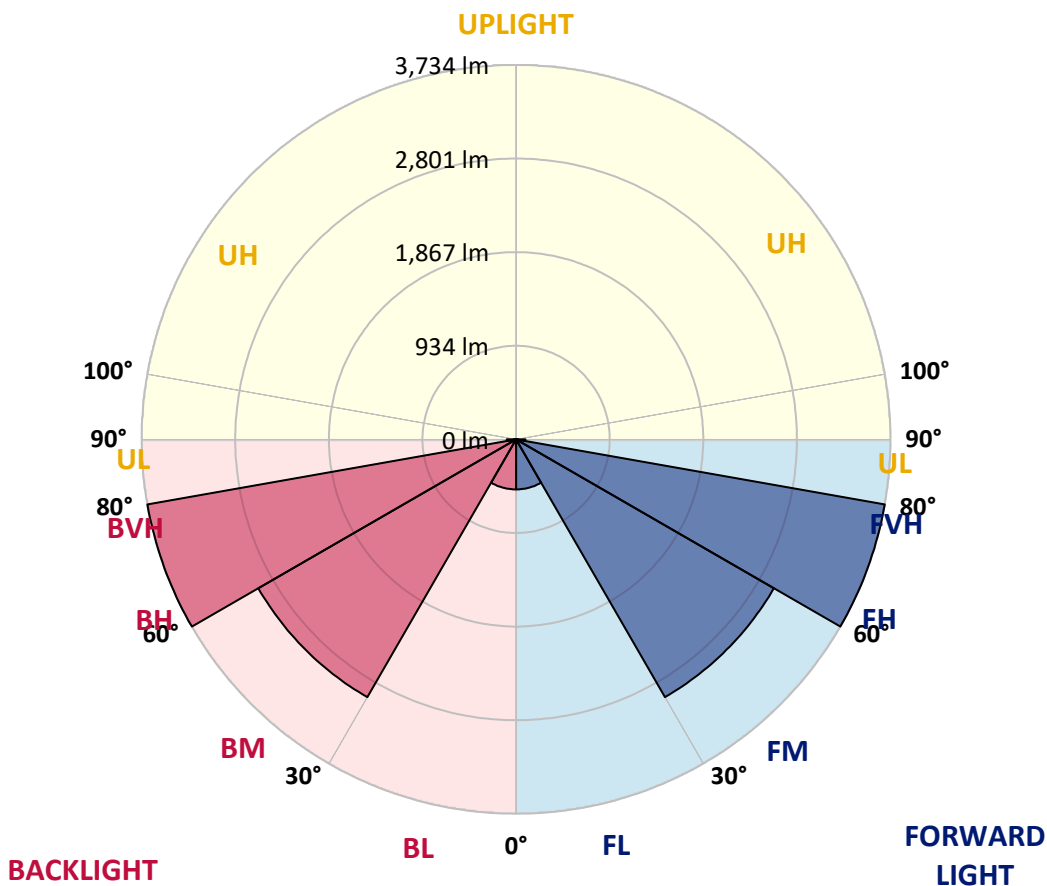
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.0	3.4			
FM (30°-60°)	2968.8	20.3			
FH (60°-80°)	3734.2	25.6			G2/5000
FVH (80°-90°)	92.8	0.6			G1/100
BL (0°-30°)	499.0	3.4	B1/500		
BM (30°-60°)	2968.8	20.3	B3/5000		
BH (60°-80°)	3734.2	25.6	B4/5000		G2/5000
BVH (80°-90°)	92.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1	1144.1
2.5°	1134.8	1135.9	1137.9	1137.9	1140.0	1143.1	1144.1	1142.1	1143.1	1137.9	1143.1
5°	1131.8	1132.8	1133.8	1131.8	1131.8	1132.8	1132.8	1130.7	1131.8	1126.6	1131.8
7.5°	1124.5	1125.6	1125.6	1122.5	1119.4	1121.4	1121.4	1119.4	1120.4	1115.2	1121.4
10°	1118.3	1118.3	1117.3	1111.1	1108.0	1111.1	1112.1	1113.2	1117.3	1113.2	1120.4
12.5°	1122.5	1122.5	1119.4	1111.1	1106.0	1108.0	1110.1	1112.1	1119.4	1118.3	1126.6
15°	1133.8	1134.8	1126.6	1117.3	1114.2	1117.3	1115.2	1114.2	1123.5	1126.6	1135.9
17.5°	1143.1	1143.1	1132.8	1123.5	1124.5	1129.7	1125.6	1120.4	1129.7	1135.9	1146.2
20°	1151.4	1150.3	1139.0	1132.8	1136.9	1144.1	1141.0	1133.8	1140.0	1147.2	1156.5
22.5°	1172.0	1171.0	1158.6	1155.5	1159.6	1166.8	1163.7	1157.5	1164.8	1175.1	1186.4
25°	1230.8	1228.7	1210.2	1199.8	1197.8	1202.9	1201.9	1199.8	1211.2	1223.6	1237.0
27.5°	1309.2	1308.2	1294.8	1284.4	1271.0	1266.9	1270.0	1279.3	1295.8	1305.1	1316.4
30°	1348.4	1348.4	1346.3	1362.8	1391.7	1419.6	1397.9	1362.8	1348.4	1344.3	1355.6
32.5°	1400.0	1405.1	1397.9	1416.5	1465.0	1506.2	1465.0	1408.2	1397.9	1397.9	1410.3
35°	1518.6	1520.7	1509.3	1506.2	1521.7	1526.9	1507.3	1486.6	1498.0	1500.1	1515.5
37.5°	1613.5	1613.5	1608.4	1616.6	1648.6	1668.2	1636.2	1599.1	1602.2	1604.3	1623.9
40°	1760.0	1764.2	1751.8	1750.8	1763.1	1780.7	1746.6	1722.9	1739.4	1744.6	1774.5
42.5°	1942.6	1942.6	1924.1	1918.9	1927.2	1945.7	1913.8	1898.3	1920.0	1924.1	1941.6
45°	2160.3	2165.5	2140.7	2131.4	2135.6	2141.8	2119.1	2111.8	2132.5	2141.8	2172.7
47.5°	2425.5	2430.6	2409.0	2407.9	2403.8	2407.9	2386.3	2382.1	2398.7	2391.4	2424.4
50°	2752.5	2761.8	2743.2	2769.0	2765.9	2778.3	2748.4	2726.7	2726.7	2707.1	2725.7
52.5°	3118.8	3137.3	3146.6	3189.9	3223.0	3253.9	3204.4	3170.3	3120.8	3080.6	3131.1
55°	3518.0	3512.9	3571.7	3666.6	3763.6	3836.8	3739.8	3632.5	3552.1	3468.5	3488.1
57.5°	3867.8	3885.3	3962.7	4136.0	4327.9	4482.6	4308.3	4101.9	3919.3	3799.7	3816.2
60°	4158.7	4173.1	4276.3	4526.0	4861.3	5074.8	4798.3	4457.9	4192.7	4027.7	4045.2
62.5°	4426.9	4440.3	4544.5	4820.0	5243.0	5521.5	5164.6	4699.3	4404.2	4238.1	4248.4
65°	4581.7	4589.9	4732.3	5022.2	5467.9	5755.7	5353.4	4873.6	4583.7	4414.5	4420.7
67.5°	4300.0	4313.4	4613.7	5014.0	5511.2	5759.9	5361.6	4878.8	4552.8	4332.0	4337.2
70°	3392.2	3380.8	3738.8	4426.9	5262.6	5586.5	5123.3	4512.6	4009.1	3700.6	3695.5
72.5°	2586.4	2589.5	2788.6	3260.1	4290.7	5155.3	4520.8	3633.6	3090.9	2856.7	2847.4
75°	1875.6	1904.5	2066.4	2412.1	3001.1	3853.3	3403.5	2692.7	2329.5	2189.2	2168.6
77.5°	844.9	882.1	1108.0	1514.5	2006.6	2129.4	2137.6	1828.1	1379.4	1146.2	1110.1
80°	246.6	264.1	339.4	580.8	934.7	1208.1	959.5	806.8	502.4	394.1	375.5
82.5°	104.2	118.6	145.5	160.9	271.3	560.2	348.7	221.8	206.3	167.1	152.7
85°	44.4	47.5	60.9	65.0	87.7	119.7	110.4	100.1	95.9	74.3	68.1
87.5°	18.6	18.6	18.6	16.5	15.5	16.5	22.7	28.9	38.2	29.9	27.9
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)