

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: P630596

Luminaire Tested: GWS-SA1E-722-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630596  
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-SA1E-722-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

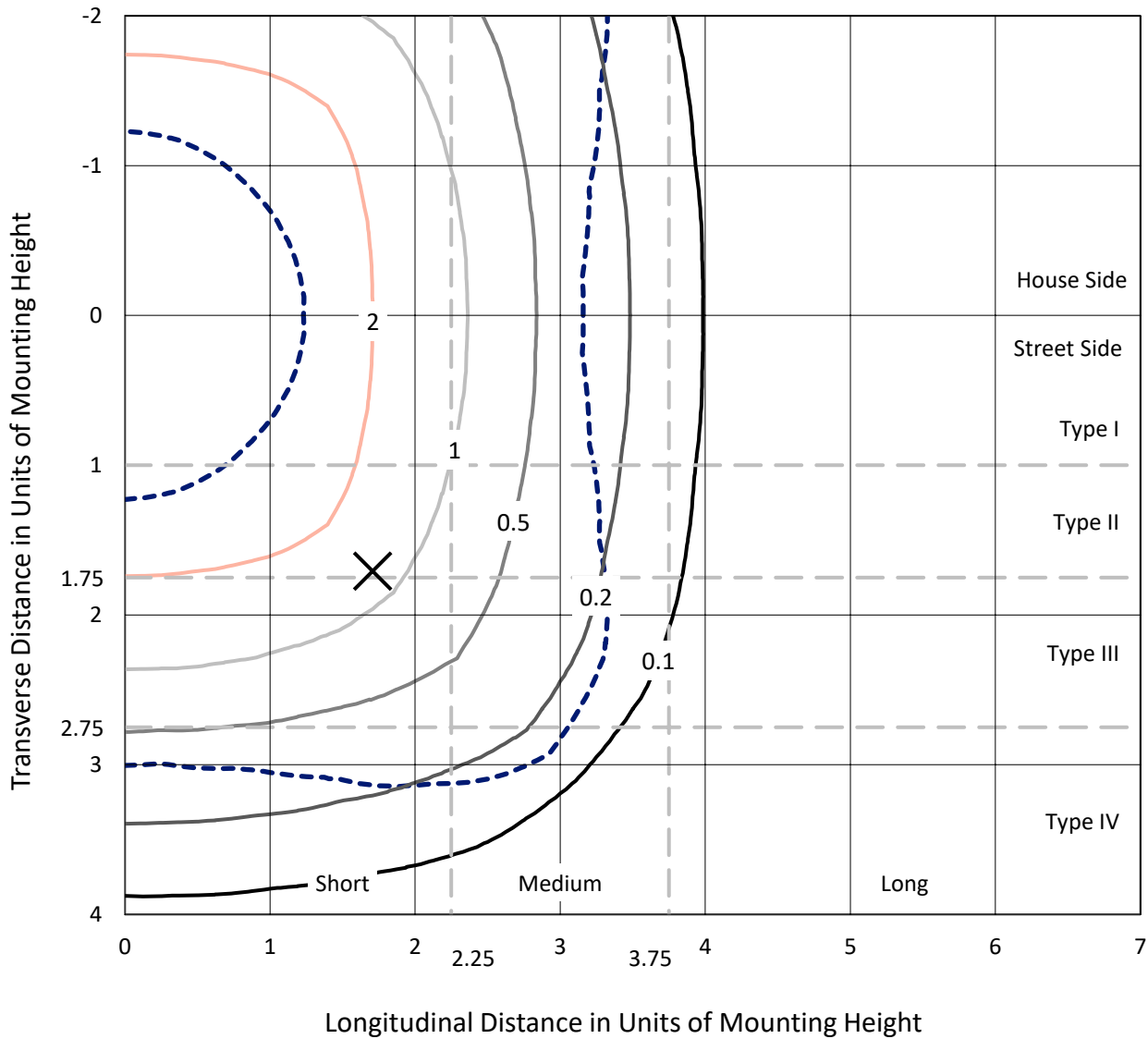
Lumens per Lamp: N/A  
Luminaire Lumens: 5658.6 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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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### Iso-Footcandle Lines of Horizontal Illumination

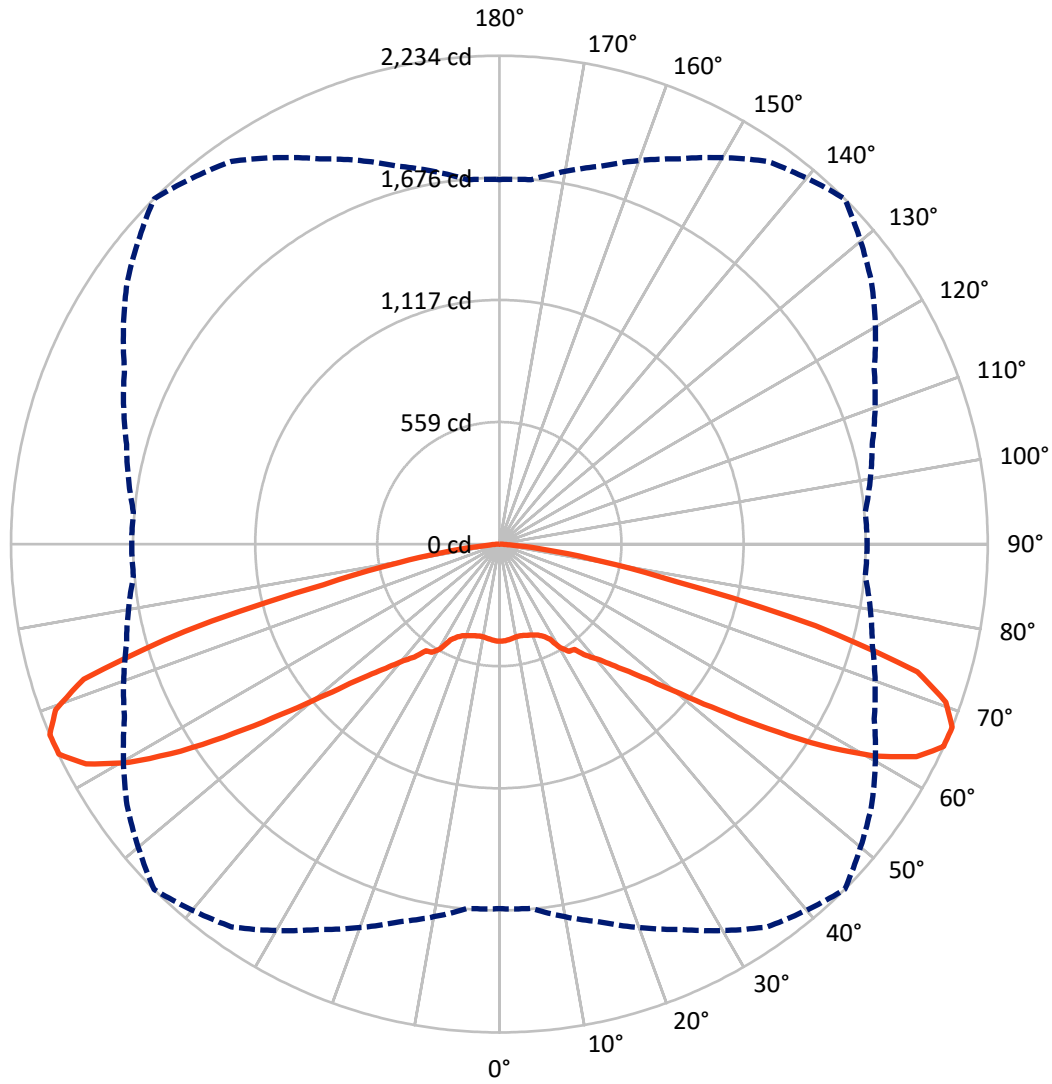
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

REPORT NUMBER: P630596

CATALOG NUMBER: GWS-SA1E-722-U-5WQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2829.3	0.0	2829.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2829.3	0.0	2829.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5658.6	0.0	5658.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.7	0.7
10°-20°	123.6	2.2
20°-30°	221.8	3.9
30°-40°	374.7	6.6
40°-50°	658.3	11.6
50°-60°	1269.9	22.4
60°-70°	1842.5	32.6
70°-80°	1054.2	18.6
80°-90°	71.9	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°	5658.6	100.0
0°-180°	5658.6	100.0

**Coefficient of Utilization**



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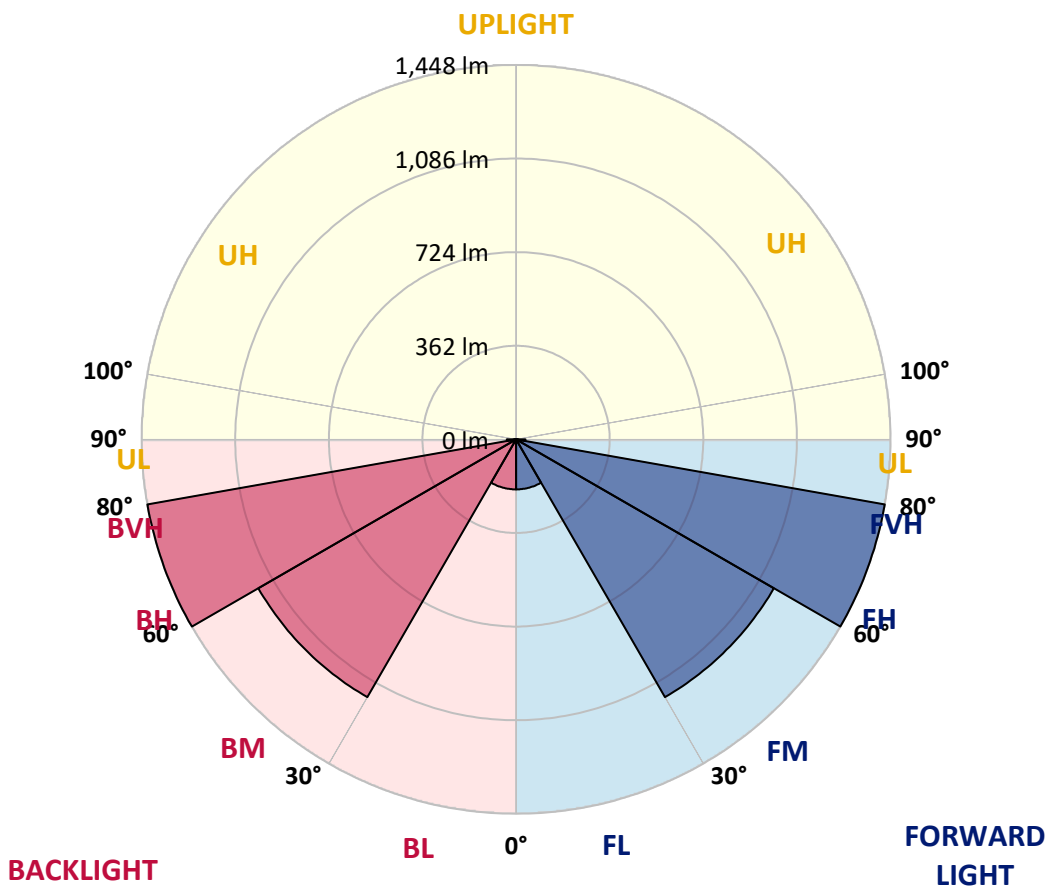
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.6	3.4			
FM (30°-60°)	1151.5	20.3			
FH (60°-80°)	1448.3	25.6			G1/1800
FVH (80°-90°)	36.0	0.6			G1/100
BL (0°-30°)	193.6	3.4	B1/500		
BM (30°-60°)	1151.5	20.3	B2/2500		
BH (60°-80°)	1448.3	25.6	B3/2500		G1/1800
BVH (80°-90°)	36.0	0.6			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°	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7	443.7
2.5°	440.1	440.5	441.3	441.3	442.1	443.3	443.7	442.9	443.3	441.3	443.3
5°	438.9	439.3	439.7	438.9	438.9	439.3	439.3	438.5	438.9	436.9	438.9
7.5°	436.1	436.5	436.5	435.3	434.1	434.9	434.9	434.1	434.5	432.5	434.9
10°	433.7	433.7	433.3	430.9	429.7	430.9	431.3	431.7	433.3	431.7	434.5
12.5°	435.3	435.3	434.1	430.9	428.9	429.7	430.5	431.3	434.1	433.7	436.9
15°	439.7	440.1	436.9	433.3	432.1	433.3	432.5	432.1	435.7	436.9	440.5
17.5°	443.3	443.3	439.3	435.7	436.1	438.1	436.5	434.5	438.1	440.5	444.6
20°	446.6	446.2	441.7	439.3	440.9	443.7	442.5	439.7	442.1	445.0	448.6
22.5°	454.6	454.2	449.4	448.2	449.8	452.6	451.4	449.0	451.8	455.8	460.2
25°	477.4	476.6	469.4	465.4	464.6	466.6	466.2	465.4	469.8	474.6	479.8
27.5°	507.8	507.4	502.2	498.2	493.0	491.4	492.6	496.2	502.6	506.2	510.6
30°	523.0	523.0	522.2	528.6	539.8	550.6	542.2	528.6	523.0	521.4	525.8
32.5°	543.0	545.0	542.2	549.4	568.2	584.2	568.2	546.2	542.2	542.2	547.0
35°	589.0	589.8	585.4	584.2	590.2	592.2	584.6	576.6	581.0	581.8	587.8
37.5°	625.8	625.8	623.8	627.0	639.4	647.0	634.6	620.2	621.4	622.2	629.8
40°	682.6	684.2	679.4	679.0	683.8	690.6	677.4	668.2	674.6	676.6	688.2
42.5°	753.5	753.5	746.3	744.3	747.5	754.7	742.3	736.2	744.7	746.3	753.1
45°	837.9	839.9	830.3	826.7	828.3	830.7	821.9	819.1	827.1	830.7	842.7
47.5°	940.7	942.7	934.3	933.9	932.3	933.9	925.5	923.9	930.3	927.5	940.3
50°	1067.6	1071.2	1064.0	1074.0	1072.8	1077.6	1066.0	1057.6	1057.6	1050.0	1057.2
52.5°	1209.6	1216.8	1220.4	1237.2	1250.0	1262.0	1242.8	1229.6	1210.4	1194.8	1214.4
55°	1364.5	1362.5	1385.3	1422.1	1459.7	1488.1	1450.5	1408.9	1377.7	1345.3	1352.9
57.5°	1500.1	1506.9	1536.9	1604.1	1678.6	1738.6	1671.0	1590.9	1520.1	1473.7	1480.1
60°	1612.9	1618.5	1658.6	1755.4	1885.4	1968.3	1861.0	1729.0	1626.1	1562.1	1568.9
62.5°	1717.0	1722.2	1762.6	1869.4	2033.5	2141.5	2003.1	1822.6	1708.2	1643.8	1647.8
65°	1777.0	1780.2	1835.4	1947.9	2120.7	2232.4	2076.3	1890.2	1777.8	1712.2	1714.6
67.5°	1667.8	1673.0	1789.4	1944.7	2137.5	2234.0	2079.5	1892.2	1765.8	1680.2	1682.2
70°	1315.6	1311.2	1450.1	1717.0	2041.1	2166.7	1987.1	1750.2	1554.9	1435.3	1433.3
72.5°	1003.1	1004.3	1081.6	1264.4	1664.2	1999.5	1753.4	1409.3	1198.8	1108.0	1104.4
75°	727.4	738.6	801.5	935.5	1164.0	1494.5	1320.0	1044.4	903.5	849.1	841.1
77.5°	327.7	342.1	429.7	587.4	778.3	825.9	829.1	709.0	535.0	444.6	430.5
80°	95.6	102.4	131.6	225.3	362.5	468.6	372.1	312.9	194.9	152.9	145.6
82.5°	40.4	46.0	56.4	62.4	105.2	217.3	135.2	86.0	80.0	64.8	59.2
85°	17.2	18.4	23.6	25.2	34.0	46.4	42.8	38.8	37.2	28.8	26.4
87.5°	7.2	7.2	7.2	6.4	6.0	6.4	8.8	11.2	14.8	11.6	10.8
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)