

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: P637526

Luminaire Tested: GWS-SA4D-722-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637526  
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-SA4D-722-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

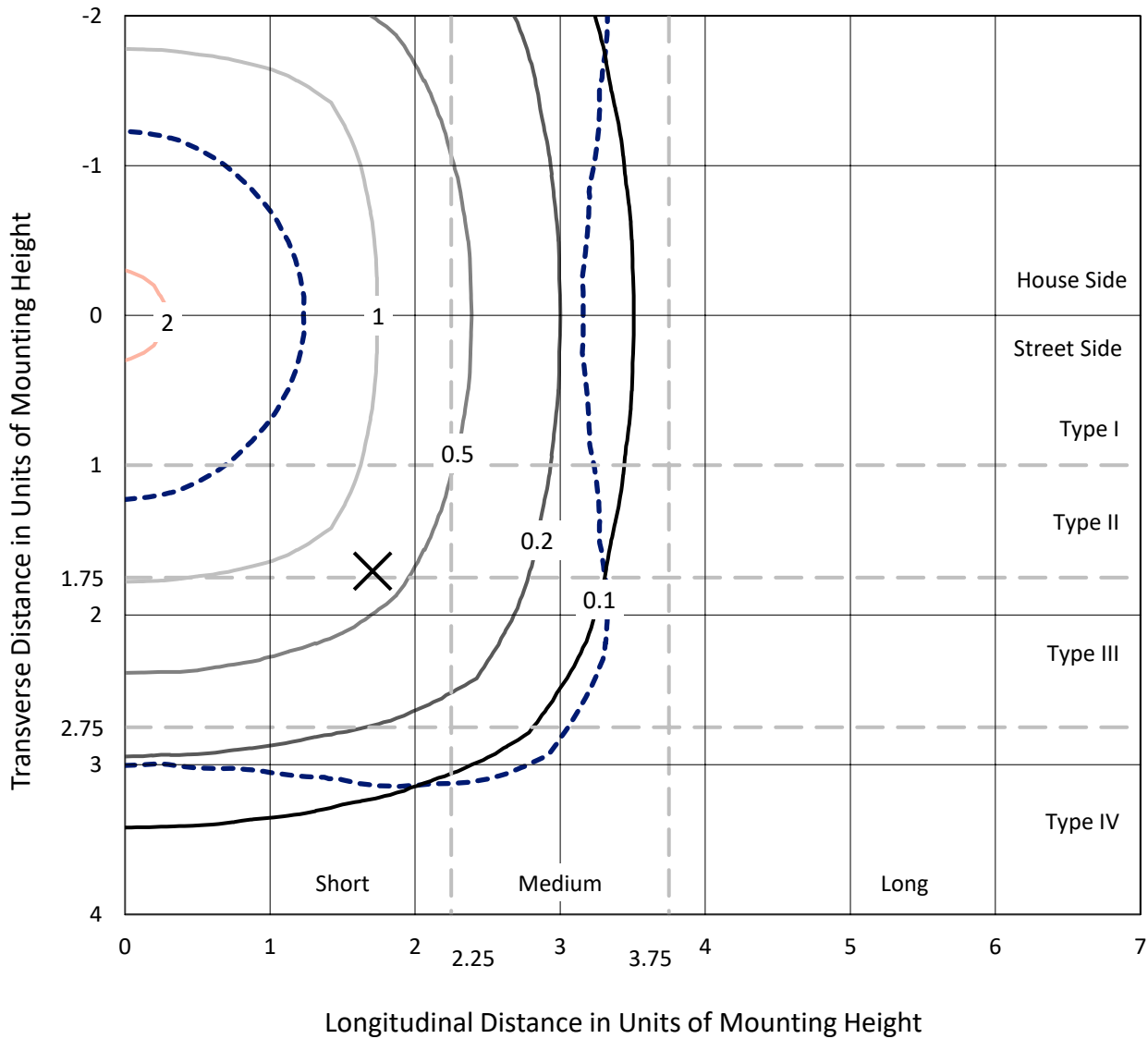
Lumens per Lamp: N/A  
Luminaire Lumens: 18287.4 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 162.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P637526  
 CATALOG NUMBER: GWS-SA4D-722-U-5WQ-W

### Iso-Footcandle Lines of Horizontal Illumination

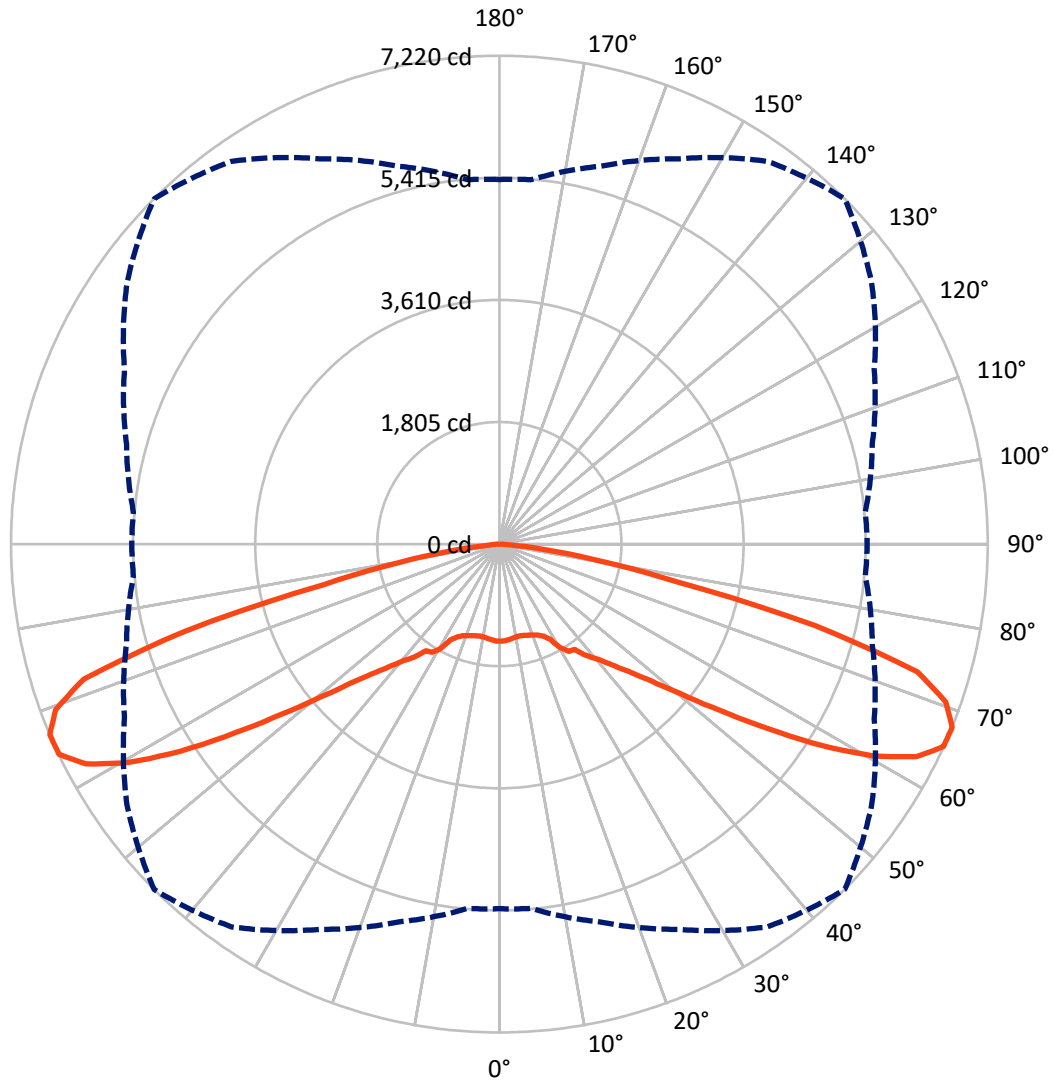
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P637526  
CATALOG NUMBER: GWS-SA4D-722-U-5WQ-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P637526

CATALOG NUMBER: GWS-SA4D-722-U-5WQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9143.7	0.0	9143.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9143.7	0.0	9143.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18287.4	0.0	18287.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.7	0.7
10°-20°	399.6	2.2
20°-30°	716.8	3.9
30°-40°	1210.9	6.6
40°-50°	2127.5	11.6
50°-60°	4104.1	22.4
60°-70°	5954.5	32.6
70°-80°	3406.9	18.6
80°-90°	232.5	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°	18287.4	100.0
0°-180°	18287.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P637526

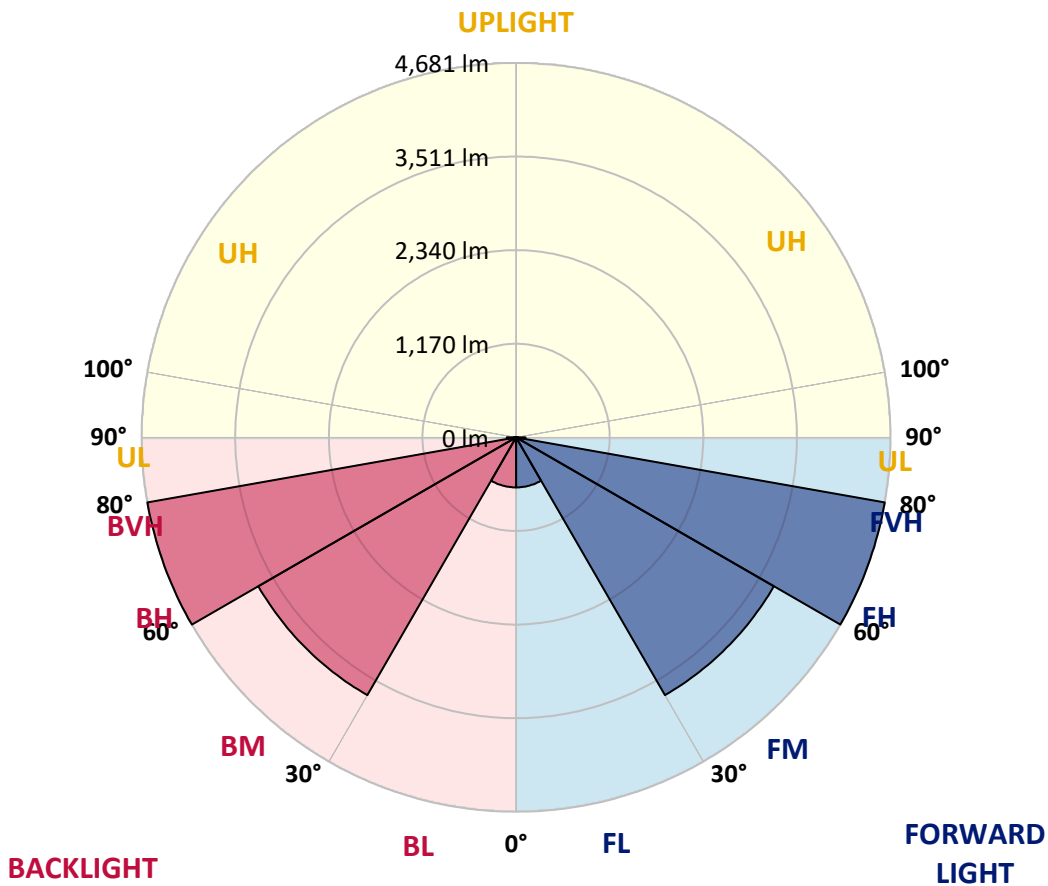
CATALOG NUMBER: GWS-SA4D-722-U-5WQ-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.5	3.4			
FM (30°-60°)	3721.2	20.3			
FH (60°-80°)	4680.7	25.6			G2/5000
FVH (80°-90°)	116.3	0.6			G2/225
BL (0°-30°)	625.5	3.4	B2/1000		
BM (30°-60°)	3721.2	20.3	B3/5000		
BH (60°-80°)	4680.7	25.6	B4/5000		G2/5000
BVH (80°-90°)	116.3	0.6			G2/225
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





REPORT NUMBER: P637526  
 CATALOG NUMBER: GWS-SA4D-722-U-5WQ-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1434.1	1434.1	1434.1	1434.1	1434.1	1434.1	1434.1	1434.1	1434.1	1434.1	1434.1
2.5°	1422.5	1423.8	1426.3	1426.3	1428.9	1432.8	1434.1	1431.5	1432.8	1426.3	1432.8
5°	1418.6	1419.9	1421.2	1418.6	1418.6	1419.9	1419.9	1417.3	1418.6	1412.1	1418.6
7.5°	1409.5	1410.8	1410.8	1406.9	1403.1	1405.7	1405.7	1403.1	1404.4	1397.9	1405.7
10°	1401.8	1401.8	1400.5	1392.7	1388.8	1392.7	1394.0	1395.3	1400.5	1395.3	1404.4
12.5°	1406.9	1406.9	1403.1	1392.7	1386.3	1388.8	1391.4	1394.0	1403.1	1401.8	1412.1
15°	1421.2	1422.5	1412.1	1400.5	1396.6	1400.5	1397.9	1396.6	1408.2	1412.1	1423.8
17.5°	1432.8	1432.8	1419.9	1408.2	1409.5	1416.0	1410.8	1404.4	1416.0	1423.8	1436.7
20°	1443.2	1441.9	1427.6	1419.9	1425.1	1434.1	1430.2	1421.2	1428.9	1438.0	1449.6
22.5°	1469.0	1467.7	1452.2	1448.3	1453.5	1462.6	1458.7	1450.9	1460.0	1472.9	1487.1
25°	1542.7	1540.1	1516.9	1503.9	1501.3	1507.8	1506.5	1503.9	1518.2	1533.7	1550.5
27.5°	1641.0	1639.7	1622.9	1610.0	1593.2	1588.0	1591.9	1603.5	1624.2	1635.8	1650.1
30°	1690.1	1690.1	1687.6	1708.3	1744.5	1779.4	1752.2	1708.3	1690.1	1685.0	1699.2
32.5°	1754.8	1761.3	1752.2	1775.5	1836.3	1888.0	1836.3	1765.2	1752.2	1752.2	1767.7
35°	1903.5	1906.1	1891.9	1888.0	1907.4	1913.9	1889.3	1863.4	1877.7	1880.2	1899.6
37.5°	2022.5	2022.5	2016.0	2026.4	2066.5	2091.0	2050.9	2004.4	2008.3	2010.9	2035.4
40°	2206.1	2211.3	2195.8	2194.5	2210.0	2232.0	2189.3	2159.6	2180.3	2186.7	2224.2
42.5°	2435.0	2435.0	2411.7	2405.3	2415.6	2438.9	2398.8	2379.4	2406.6	2411.7	2433.7
45°	2707.9	2714.3	2683.3	2671.7	2676.8	2684.6	2656.1	2647.1	2672.9	2684.6	2723.4
47.5°	3040.2	3046.7	3019.5	3018.2	3013.0	3018.2	2991.1	2985.9	3006.6	2997.5	3038.9
50°	3450.1	3461.8	3438.5	3470.8	3466.9	3482.5	3445.0	3417.8	3417.8	3393.2	3416.5
52.5°	3909.2	3932.5	3944.1	3998.4	4039.8	4078.6	4016.5	3973.9	3911.8	3861.4	3924.7
55°	4409.6	4403.2	4476.9	4595.9	4717.4	4809.2	4687.7	4553.2	4452.3	4347.6	4372.1
57.5°	4848.0	4870.0	4967.0	5184.2	5424.8	5618.7	5400.2	5141.6	4912.7	4762.7	4783.4
60°	5212.7	5230.8	5360.1	5673.1	6093.3	6361.0	6014.4	5587.7	5255.4	5048.5	5070.4
62.5°	5548.9	5565.7	5696.3	6041.6	6571.8	6920.9	6473.5	5890.3	5520.5	5312.3	5325.2
65°	5742.9	5753.2	5931.7	6295.1	6853.7	7214.5	6710.2	6108.8	5745.5	5533.4	5541.2
67.5°	5389.9	5406.7	5783.0	6284.7	6908.0	7219.7	6720.5	6115.3	5706.7	5429.9	5436.4
70°	4251.9	4237.7	4686.4	5548.9	6596.4	7002.4	6421.8	5656.2	5025.2	4638.5	4632.1
72.5°	3241.9	3245.8	3495.4	4086.4	5378.2	6461.9	5666.6	4554.5	3874.3	3580.7	3569.1
75°	2351.0	2387.2	2590.2	3023.4	3761.8	4829.9	4266.1	3375.1	2919.9	2744.1	2718.2
77.5°	1059.1	1105.6	1388.8	1898.3	2515.2	2669.1	2679.4	2291.5	1728.9	1436.7	1391.4
80°	309.1	331.0	425.4	728.0	1171.6	1514.3	1202.6	1011.2	629.8	494.0	470.7
82.5°	130.6	148.7	182.3	201.7	340.1	702.2	437.1	278.0	258.6	209.5	191.4
85°	55.6	59.5	76.3	81.5	109.9	150.0	138.4	125.4	120.3	93.1	85.3
87.5°	23.3	23.3	23.3	20.7	19.4	20.7	28.4	36.2	47.8	37.5	34.9
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)