

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: P641706

Luminaire Tested: GWS-SA6B-740-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641706  
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-SA6B-740-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

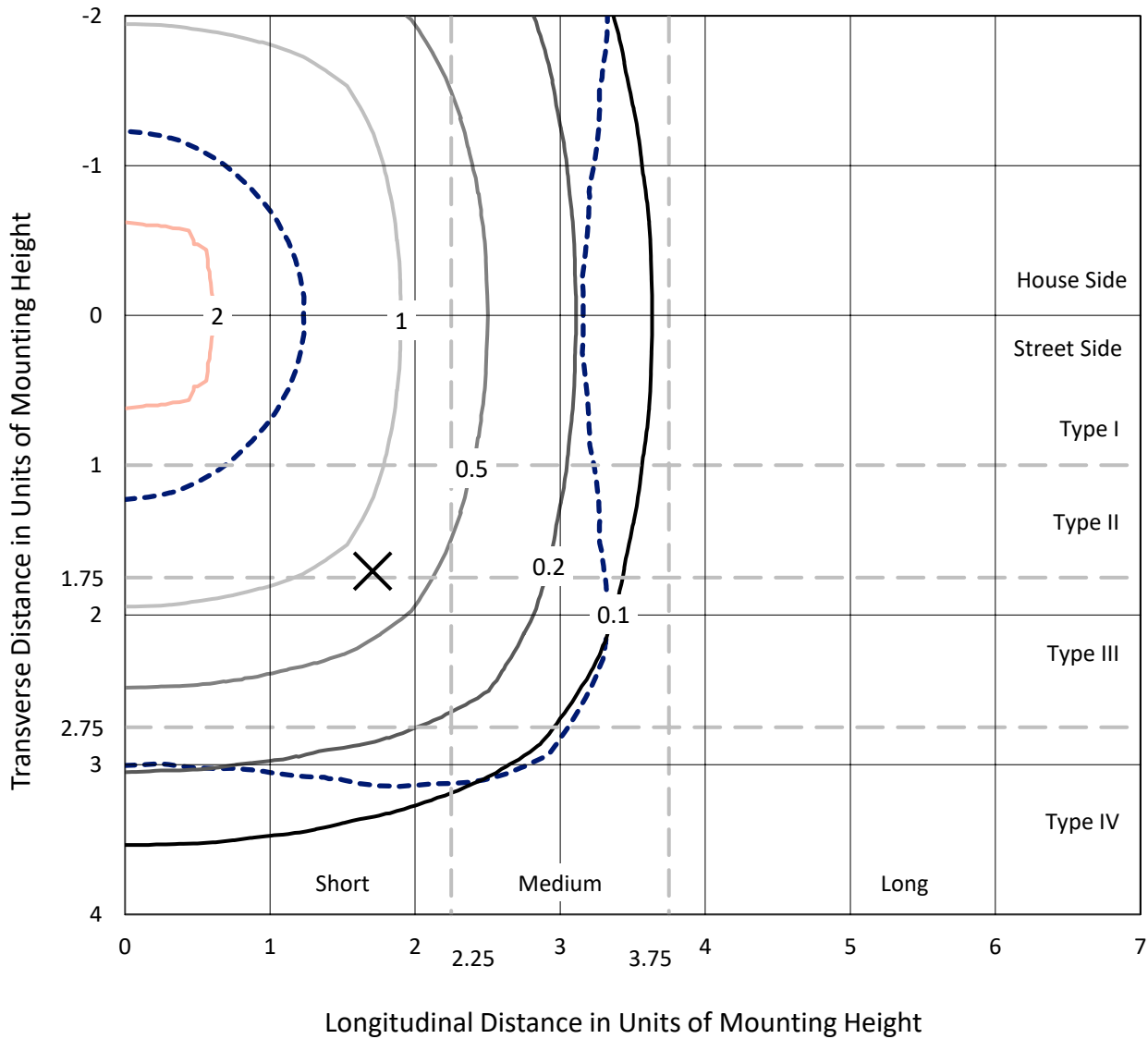
Lumens per Lamp: N/A  
Luminaire Lumens: 21464.7 lumens  
Efficiency: N/A  
Efficacy: 154.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

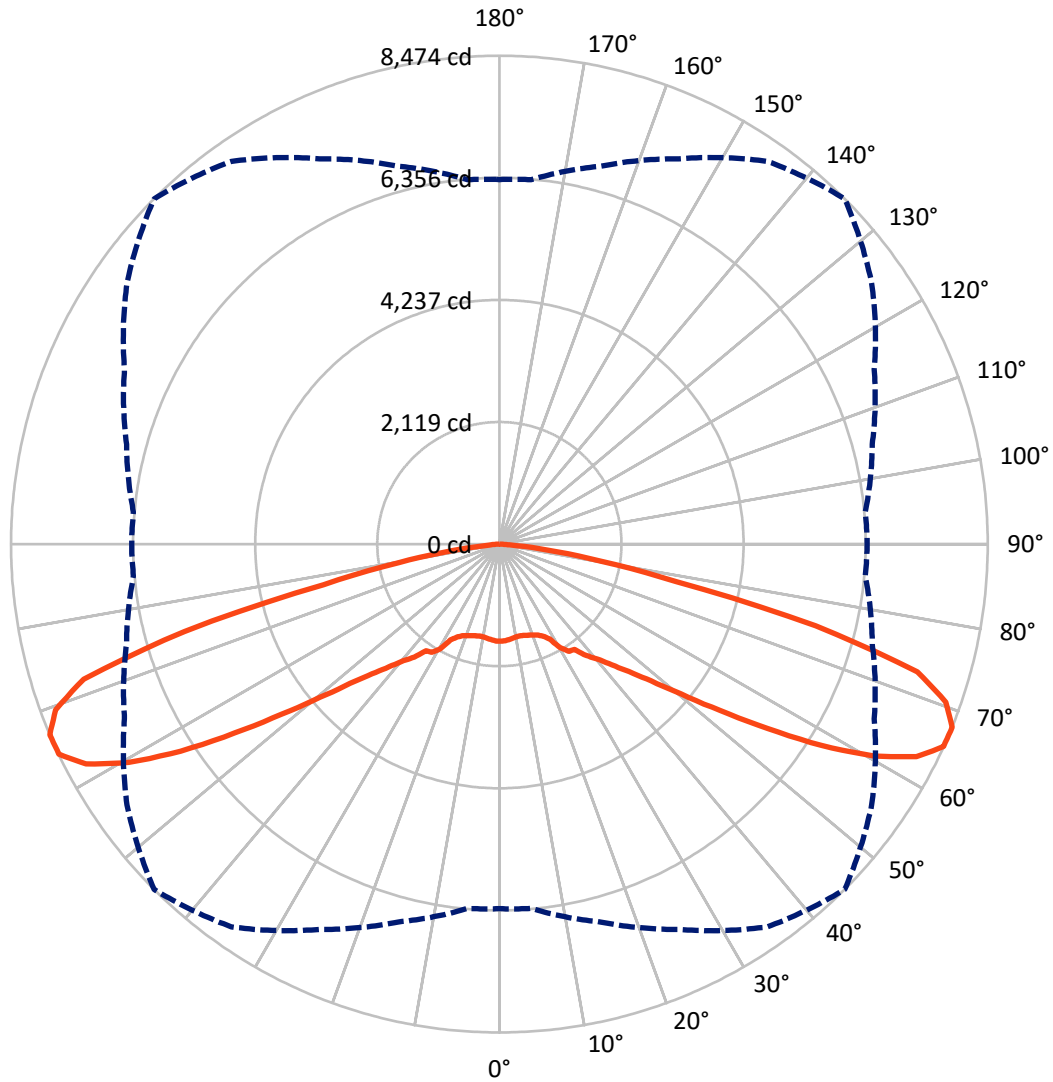
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10732.3	0.0	10732.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10732.3	0.0	10732.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21464.7	0.0	21464.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.0	0.7
10°-20°	469.0	2.2
20°-30°	841.3	3.9
30°-40°	1421.3	6.6
40°-50°	2497.2	11.6
50°-60°	4817.1	22.4
60°-70°	6989.0	32.6
70°-80°	3998.8	18.6
80°-90°	272.9	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°	21464.7	100.0
0°-180°	21464.7	100.0

**Coefficient of Utilization**



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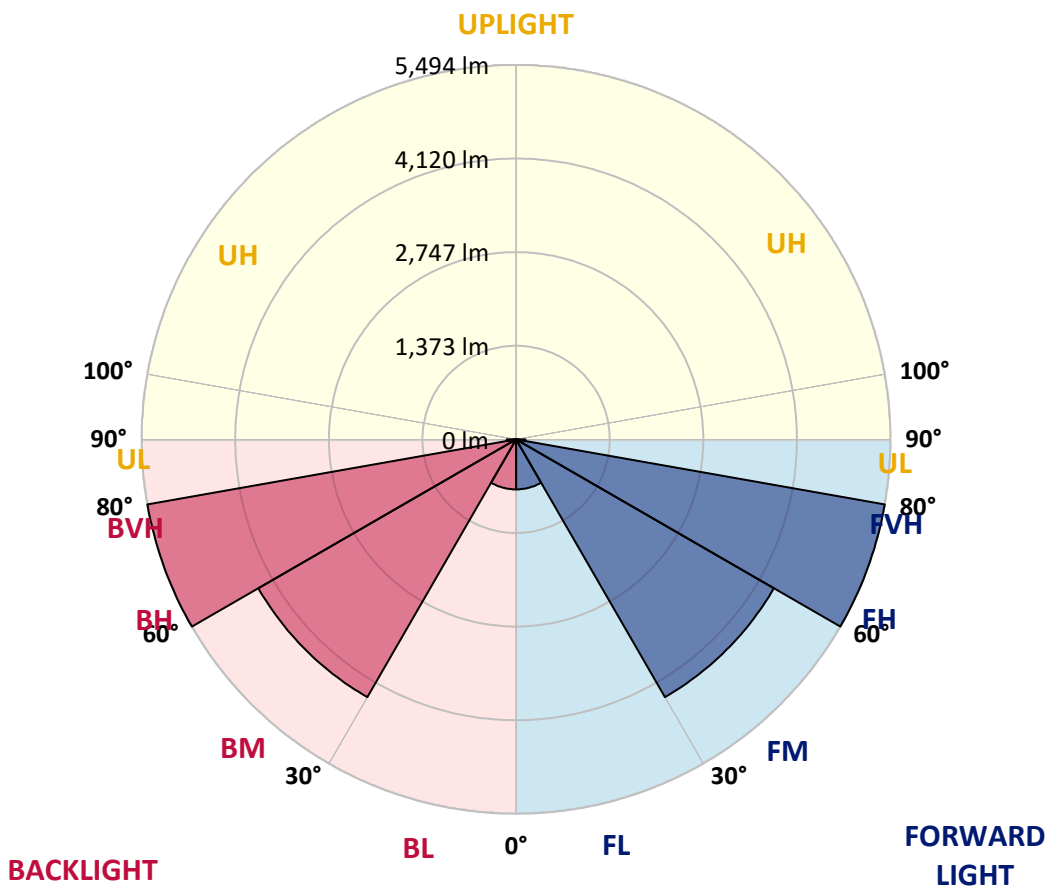
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	734.2	3.4			
FM (30°-60°)	4367.8	20.3			
FH (60°-80°)	5493.9	25.6			G3/7500
FVH (80°-90°)	136.5	0.6			G2/225
BL (0°-30°)	734.2	3.4	B2/1000		
BM (30°-60°)	4367.8	20.3	B3/5000		
BH (60°-80°)	5493.9	25.6	B5		G3/7500
BVH (80°-90°)	136.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3
2.5°	1669.6	1671.1	1674.2	1674.2	1677.2	1681.8	1683.3	1680.2	1681.8	1674.2	1681.8
5°	1665.1	1666.6	1668.1	1665.1	1665.1	1666.6	1666.6	1663.5	1665.1	1657.5	1665.1
7.5°	1654.4	1655.9	1655.9	1651.4	1646.8	1649.9	1649.9	1646.8	1648.4	1640.8	1649.9
10°	1645.3	1645.3	1643.8	1634.7	1630.1	1634.7	1636.2	1637.7	1643.8	1637.7	1648.4
12.5°	1651.4	1651.4	1646.8	1634.7	1627.1	1630.1	1633.2	1636.2	1646.8	1645.3	1657.5
15°	1668.1	1669.6	1657.5	1643.8	1639.3	1643.8	1640.8	1639.3	1652.9	1657.5	1671.1
17.5°	1681.8	1681.8	1666.6	1652.9	1654.4	1662.0	1655.9	1648.4	1662.0	1671.1	1686.3
20°	1693.9	1692.4	1675.7	1666.6	1672.6	1683.3	1678.7	1668.1	1677.2	1687.8	1701.5
22.5°	1724.3	1722.7	1704.5	1700.0	1706.0	1716.7	1712.1	1703.0	1713.6	1728.8	1745.5
25°	1810.8	1807.7	1780.4	1765.2	1762.2	1769.8	1768.3	1765.2	1781.9	1800.1	1819.9
27.5°	1926.1	1924.6	1904.9	1889.7	1870.0	1863.9	1868.4	1882.1	1906.4	1920.1	1936.7
30°	1983.8	1983.8	1980.8	2005.1	2047.5	2088.5	2056.7	2005.1	1983.8	1977.7	1994.4
32.5°	2059.7	2067.3	2056.7	2084.0	2155.3	2216.0	2155.3	2071.8	2056.7	2056.7	2074.9
35°	2234.2	2237.3	2220.6	2216.0	2238.8	2246.4	2217.5	2187.2	2203.9	2206.9	2229.7
37.5°	2373.9	2373.9	2366.3	2378.4	2425.5	2454.3	2407.3	2352.6	2357.2	2360.2	2389.1
40°	2589.4	2595.5	2577.3	2575.8	2594.0	2619.8	2569.7	2534.8	2559.1	2566.6	2610.7
42.5°	2858.1	2858.1	2830.7	2823.2	2835.3	2862.6	2815.6	2792.8	2824.7	2830.7	2856.6
45°	3178.3	3185.9	3149.5	3135.8	3141.9	3151.0	3117.6	3107.0	3137.3	3151.0	3196.5
47.5°	3568.4	3576.0	3544.1	3542.6	3536.5	3542.6	3510.7	3504.7	3528.9	3518.3	3566.9
50°	4049.6	4063.2	4035.9	4073.8	4069.3	4087.5	4043.5	4011.6	4011.6	3982.8	4010.1
52.5°	4588.4	4615.7	4629.4	4693.1	4741.7	4787.2	4714.4	4664.3	4591.4	4532.2	4606.6
55°	5175.8	5168.2	5254.7	5394.4	5537.0	5644.8	5502.1	5344.3	5225.9	5102.9	5131.8
57.5°	5690.3	5716.1	5830.0	6085.0	6367.3	6595.0	6338.4	6034.9	5766.2	5590.2	5614.4
60°	6118.4	6139.6	6291.4	6658.7	7152.0	7466.2	7059.4	6558.5	6168.5	5925.6	5951.4
62.5°	6513.0	6532.7	6686.0	7091.3	7713.6	8123.4	7598.2	6913.7	6479.6	6235.2	6250.4
65°	6740.7	6752.8	6962.3	7388.8	8044.5	8468.0	7876.0	7170.2	6743.7	6494.8	6503.9
67.5°	6326.3	6346.0	6787.7	7376.6	8108.2	8474.0	7888.1	7177.8	6698.2	6373.4	6380.9
70°	4990.6	4973.9	5500.6	6513.0	7742.4	8219.0	7537.5	6639.0	5898.3	5444.4	5436.9
72.5°	3805.2	3809.7	4102.7	4796.3	6312.6	7584.6	6651.1	5345.8	4547.4	4202.9	4189.2
75°	2759.4	2801.9	3040.2	3548.7	4415.4	5669.1	5007.3	3961.5	3427.3	3220.8	3190.5
77.5°	1243.1	1297.7	1630.1	2228.2	2952.2	3132.8	3144.9	2689.6	2029.3	1686.3	1633.2
80°	362.8	388.6	499.4	854.5	1375.2	1777.4	1411.6	1186.9	739.2	579.8	552.5
82.5°	153.3	174.6	214.0	236.8	399.2	824.2	513.0	326.3	303.6	245.9	224.6
85°	65.3	69.8	89.6	95.6	129.0	176.1	162.4	147.2	141.2	109.3	100.2
87.5°	27.3	27.3	27.3	24.3	22.8	24.3	33.4	42.5	56.2	44.0	41.0
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)