

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: P636860

Luminaire Tested: GWS-SA4B-760-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636860  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4B-760-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (64) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

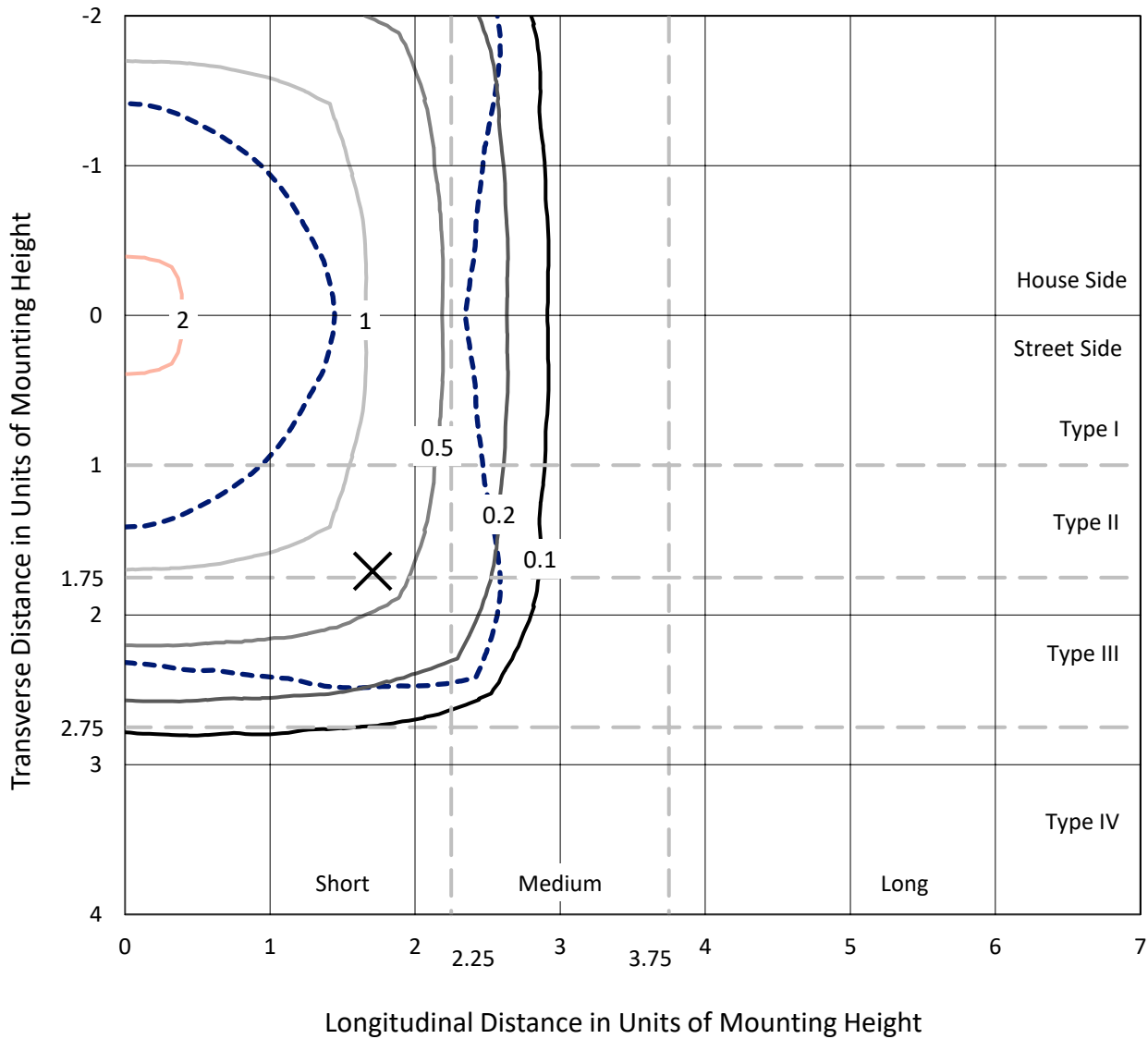
Lumens per Lamp: N/A  
Luminaire Lumens: 15122.8 lumens  
Efficiency: N/A  
Efficacy: 160.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

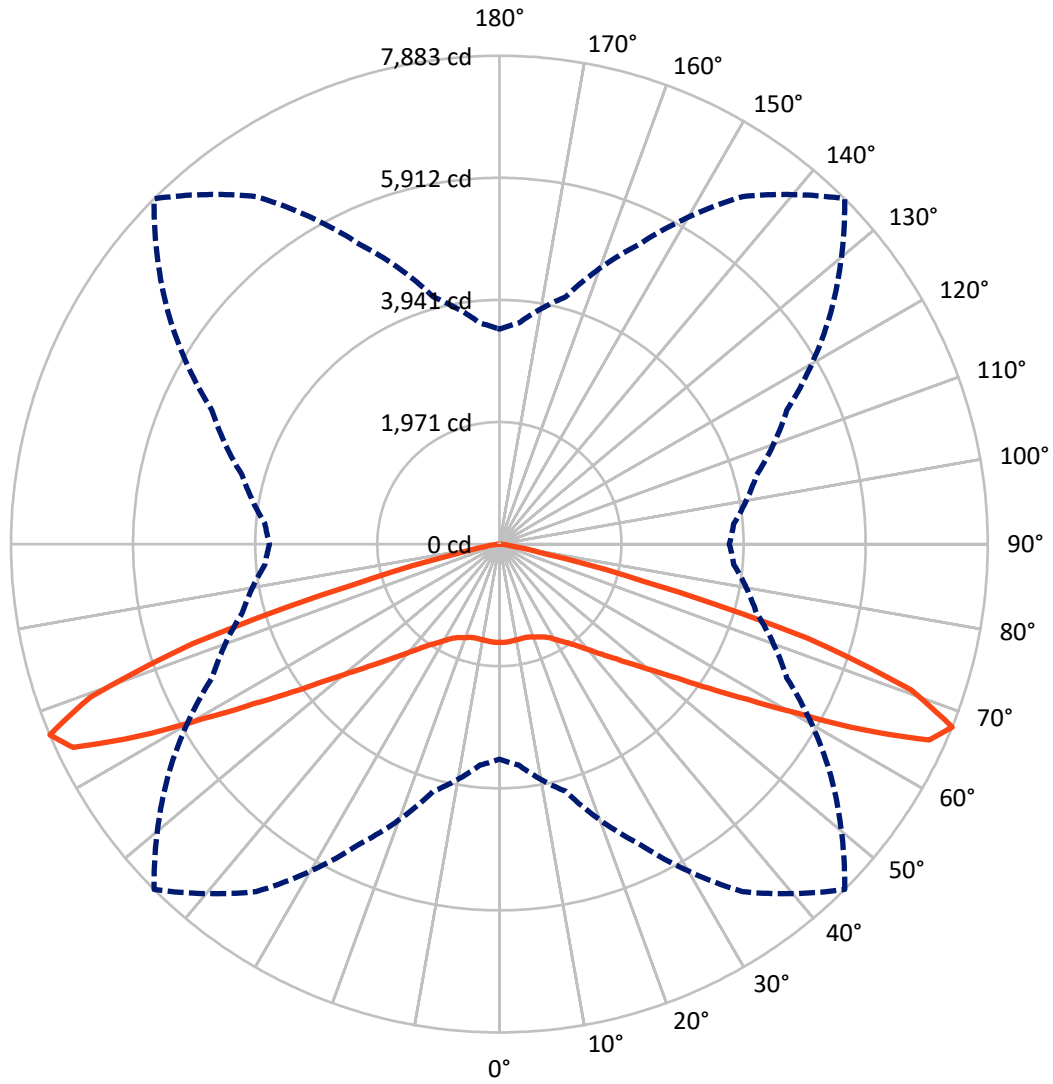
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	7561.4	0.0	7561.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7561.4	0.0	7561.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15122.8	0.0	15122.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.9	1.0
10°-20°	440.3	2.9
20°-30°	759.4	5.0
30°-40°	1234.8	8.2
40°-50°	2079.1	13.7
50°-60°	3683.8	24.4
60°-70°	5265.7	34.8
70°-80°	1445.2	9.6
80°-90°	64.7	0.4
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°	15122.8	100.0
0°-180°	15122.8	100.0

**Coefficient of Utilization**



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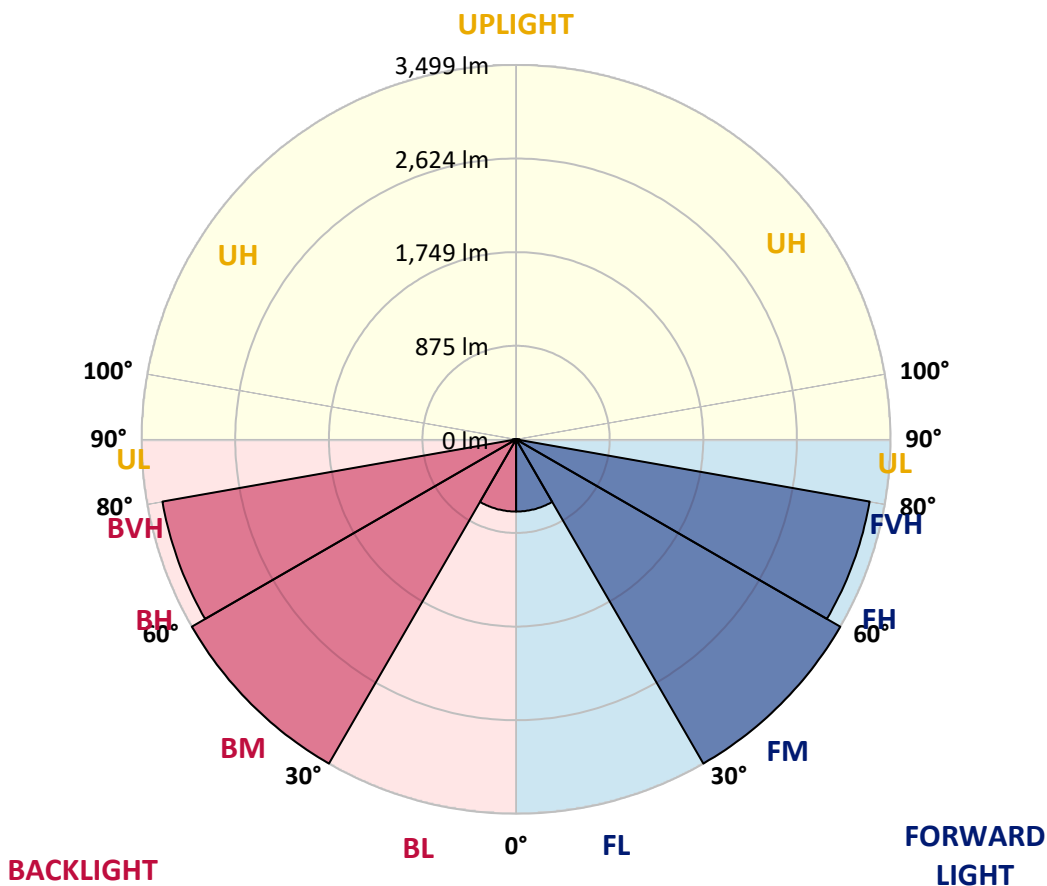
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	674.8	4.5			
FM (30°-60°)	3498.8	23.1			
FH (60°-80°)	3355.4	22.2			G2/5000
FVH (80°-90°)	32.4	0.2			G1/100
BL (0°-30°)	674.8	4.5	B2/1000		
BM (30°-60°)	3498.8	23.1	B3/5000		
BH (60°-80°)	3355.4	22.2	B4/5000		G2/5000
BVH (80°-90°)	32.4	0.2			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°	1583.8	1583.8	1583.8	1583.8	1583.8	1583.8	1583.8	1583.8	1583.8	1583.8	1583.8
2.5°	1573.4	1572.3	1577.6	1580.7	1579.7	1587.0	1585.9	1583.8	1583.8	1580.7	1589.1
5°	1573.4	1572.3	1576.5	1577.6	1575.5	1581.8	1579.7	1577.6	1577.6	1573.4	1580.7
7.5°	1565.0	1566.1	1569.2	1571.3	1569.2	1574.4	1571.3	1567.1	1566.1	1561.9	1569.2
10°	1549.3	1550.3	1553.5	1558.7	1559.8	1569.2	1564.0	1556.6	1553.5	1549.3	1556.6
12.5°	1539.9	1540.9	1544.1	1550.3	1552.4	1565.0	1559.8	1548.3	1543.0	1538.8	1546.2
15°	1537.8	1538.8	1543.0	1549.3	1552.4	1565.0	1559.8	1546.2	1538.8	1533.6	1539.9
17.5°	1537.8	1539.9	1546.2	1555.6	1561.9	1574.4	1568.1	1552.4	1542.0	1532.6	1538.8
20°	1538.8	1542.0	1551.4	1565.0	1580.7	1598.5	1590.1	1569.2	1554.5	1543.0	1547.2
22.5°	1548.3	1553.5	1565.0	1582.8	1605.8	1626.8	1619.4	1591.2	1570.2	1554.5	1558.7
25°	1580.7	1582.8	1597.5	1620.5	1642.5	1660.3	1652.9	1626.8	1600.6	1581.8	1587.0
27.5°	1638.3	1643.5	1656.1	1680.2	1699.0	1708.4	1707.4	1689.6	1663.4	1646.7	1650.8
30°	1707.4	1712.6	1729.4	1756.6	1775.4	1785.9	1782.7	1769.1	1745.1	1722.0	1726.2
32.5°	1788.0	1790.1	1810.0	1840.3	1860.2	1875.9	1865.4	1850.8	1820.4	1793.2	1795.3
35°	1890.6	1893.7	1914.6	1942.9	1958.6	1971.2	1969.1	1954.4	1922.0	1892.7	1900.0
37.5°	2019.3	2021.4	2040.3	2075.9	2088.4	2097.8	2099.9	2092.6	2059.1	2021.4	2028.7
40°	2179.5	2180.5	2201.5	2232.9	2246.5	2252.8	2253.8	2254.9	2220.3	2192.1	2190.0
42.5°	2365.8	2371.1	2400.4	2430.7	2437.0	2433.9	2444.3	2454.8	2421.3	2382.6	2385.7
45°	2588.8	2591.9	2631.7	2665.2	2653.7	2643.2	2663.1	2684.1	2653.7	2603.5	2588.8
47.5°	2852.6	2858.9	2901.8	2935.3	2916.5	2897.6	2930.1	2952.0	2902.8	2849.5	2835.9
50°	3150.9	3155.1	3215.8	3257.7	3235.7	3201.2	3242.0	3265.0	3199.1	3133.1	3103.8
52.5°	3503.7	3495.4	3576.0	3649.2	3635.6	3590.6	3624.1	3628.3	3529.9	3436.7	3407.4
55°	3934.0	3925.6	4006.2	4086.8	4120.3	4108.8	4093.1	4068.0	3922.5	3823.0	3795.8
57.5°	4435.4	4409.2	4522.3	4631.2	4704.4	4725.4	4658.4	4599.8	4484.6	4362.1	4330.7
60°	4901.2	4900.2	5079.2	5267.6	5468.6	5552.4	5382.8	5223.7	4965.1	4742.1	4697.1
62.5°	5032.1	5054.1	5347.2	5814.1	6310.3	6606.5	6159.5	5633.0	5133.6	4797.6	4737.9
65°	4709.7	4764.1	5180.7	5917.7	6897.5	7621.9	6612.8	5642.4	4946.3	4527.5	4464.7
67.5°	3471.3	3580.1	4131.8	5339.9	6847.3	7882.6	6532.2	5120.0	4296.2	3797.9	3711.0
70°	1712.6	1816.2	2253.8	3513.1	5634.0	7046.2	5651.8	3858.6	2901.8	2422.4	2342.8
72.5°	630.2	672.1	843.7	1503.2	3109.1	5204.8	3864.9	2155.4	1405.9	1119.1	1065.7
75°	308.8	316.1	342.3	504.6	1147.3	2449.6	1816.2	827.0	517.1	450.1	435.5
77.5°	196.8	199.9	212.5	240.8	368.5	771.5	550.6	326.6	253.3	242.9	242.9
80°	109.9	113.1	129.8	149.7	172.7	264.8	197.9	195.8	166.4	145.5	142.4
82.5°	52.3	57.6	82.7	81.7	91.1	132.9	116.2	105.7	106.8	80.6	76.4
85°	24.1	24.1	32.5	38.7	40.8	45.0	53.4	60.7	59.7	40.8	44.0
87.5°	11.5	11.5	11.5	10.5	9.4	8.4	11.5	18.8	27.2	18.8	17.8
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)