

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: P639223

Luminaire Tested: GWS-SA5B-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639223  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5B-740-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10848.6 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 115.7  
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

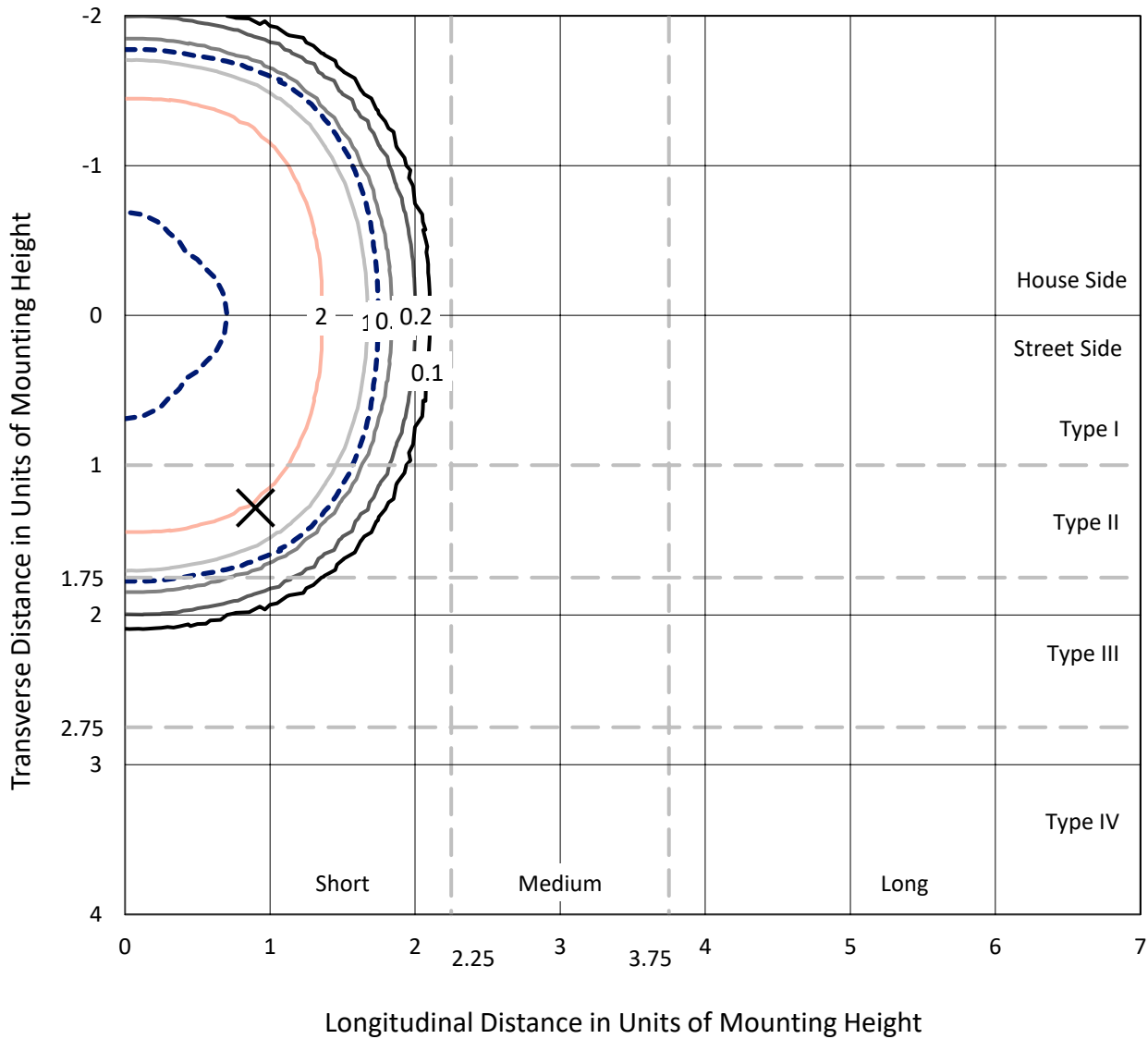


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### Iso-Footcandle Lines of Horizontal Illumination

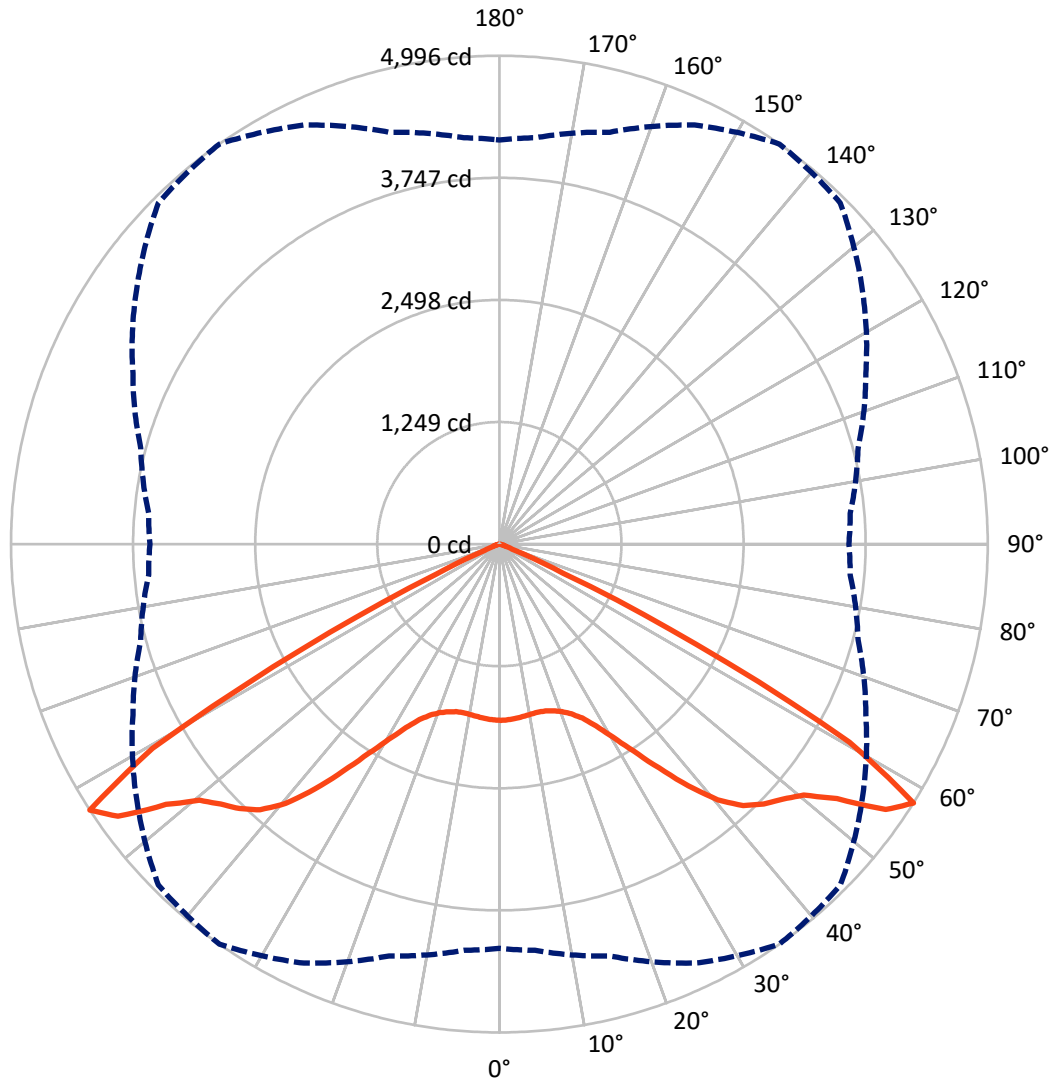
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5424.3	0.0	5424.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5424.3	0.0	5424.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10848.6	0.0	10848.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.9	1.6
10°-20°	499.9	4.6
20°-30°	903.6	8.3
30°-40°	1685.7	15.5
40°-50°	2827.7	26.1
50°-60°	3734.3	34.4
60°-70°	991.7	9.1
70°-80°	35.2	0.3
80°-90°	0.6	0.0
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°	10848.6	100.0
0°-180°	10848.6	100.0

**Coefficient of Utilization**



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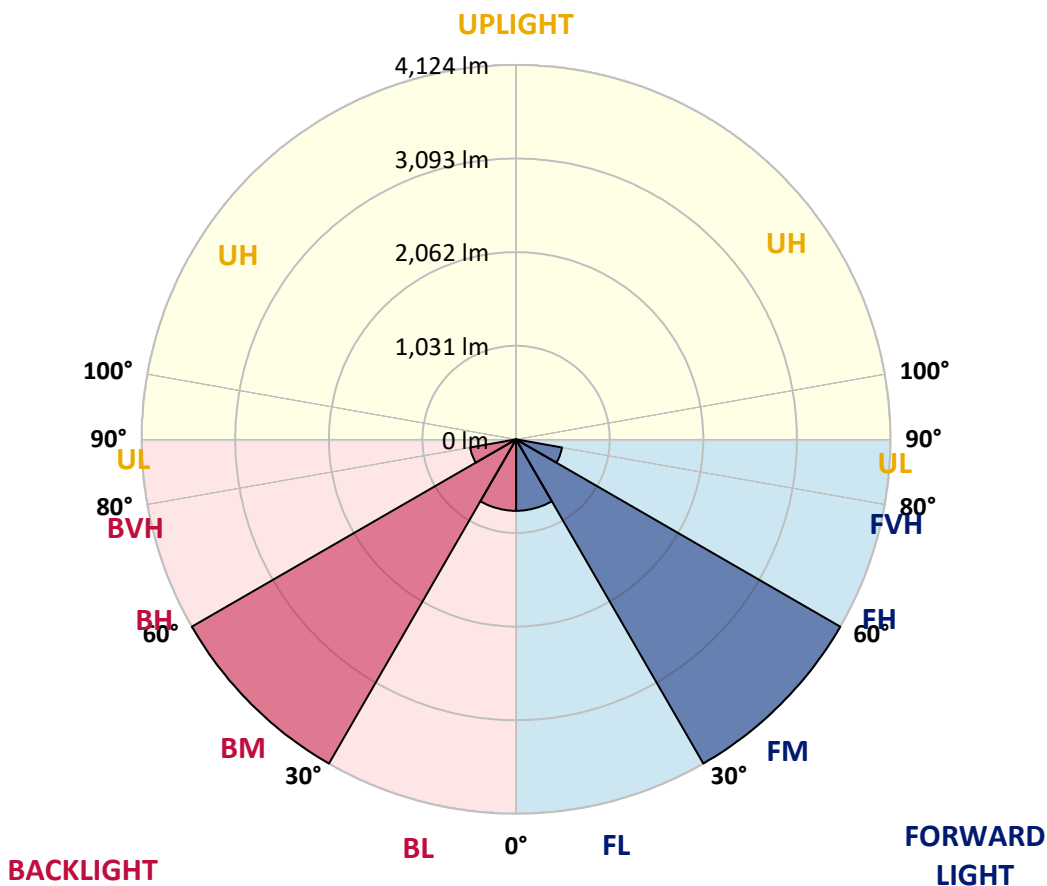
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	786.7	7.3			
FM (30°-60°)	4123.8	38.0			
FH (60°-80°)	513.5	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	786.7	7.3	B2/1000		
BM (30°-60°)	4123.8	38.0	B3/5000		
BH (60°-80°)	513.5	4.7	B2/1000		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7	1803.7
2.5°	1790.9	1789.7	1794.8	1798.6	1798.6	1807.5	1805.0	1802.4	1799.9	1796.0	1805.0
5°	1788.4	1787.1	1790.9	1793.5	1790.9	1798.6	1793.5	1788.4	1785.9	1780.8	1790.9
7.5°	1776.9	1778.2	1780.8	1783.3	1779.5	1785.9	1779.5	1771.9	1765.5	1760.4	1769.3
10°	1759.1	1760.4	1762.9	1768.0	1769.3	1778.2	1769.3	1755.3	1746.4	1738.8	1747.7
12.5°	1750.2	1751.5	1755.3	1761.7	1762.9	1774.4	1762.9	1742.6	1729.9	1720.9	1729.9
15°	1752.8	1755.3	1760.4	1768.0	1770.6	1782.0	1766.8	1740.0	1722.2	1710.8	1718.4
17.5°	1761.7	1764.2	1771.9	1784.6	1793.5	1805.0	1785.9	1751.5	1727.3	1710.8	1718.4
20°	1773.1	1776.9	1789.7	1810.0	1829.1	1849.5	1825.3	1778.2	1746.4	1726.0	1732.4
22.5°	1805.0	1808.8	1826.6	1853.3	1885.1	1910.6	1881.3	1821.5	1778.2	1751.5	1757.9
25°	1869.9	1873.7	1896.6	1931.0	1971.7	2004.8	1967.9	1892.8	1836.8	1806.2	1808.8
27.5°	1971.7	1975.5	2002.2	2050.6	2105.4	2152.4	2099.0	2011.2	1947.5	1911.9	1911.9
30°	2100.3	2105.4	2141.0	2205.9	2291.2	2353.6	2281.0	2174.1	2092.6	2044.3	2045.5
32.5°	2265.7	2260.6	2311.6	2400.7	2521.6	2604.3	2497.4	2367.6	2267.0	2199.5	2205.9
35°	2478.3	2477.0	2534.3	2655.2	2813.1	2912.4	2785.1	2617.1	2496.1	2427.4	2428.7
37.5°	2752.0	2750.7	2816.9	2948.0	3137.7	3220.4	3077.8	2907.3	2777.4	2711.2	2718.9
40°	3072.7	3065.1	3123.7	3249.7	3439.3	3492.8	3337.5	3200.0	3075.3	3033.3	3053.7
42.5°	3378.2	3361.7	3396.1	3510.6	3657.0	3664.6	3547.5	3453.3	3368.1	3335.0	3347.7
45°	3623.9	3611.2	3643.0	3709.2	3793.2	3755.0	3699.0	3669.7	3601.0	3565.3	3576.8
47.5°	3807.2	3807.2	3845.4	3886.1	3898.8	3828.8	3837.7	3837.7	3769.0	3713.0	3699.0
50°	3965.0	3976.5	4033.8	4075.8	4033.8	3944.7	3995.6	3985.4	3845.4	3733.4	3704.1
52.5°	4217.1	4228.5	4316.4	4373.6	4326.5	4238.7	4245.1	4117.8	3911.6	3779.2	3733.4
55°	4484.4	4512.4	4639.7	4792.4	4793.7	4703.3	4535.3	4310.0	4059.2	3915.4	3868.3
57.5°	4134.3	4172.5	4362.2	4730.0	4996.1	4933.7	4532.7	4136.9	3798.3	3602.3	3575.5
60°	2844.9	2911.1	3100.7	3603.5	4116.5	4140.7	3667.2	3222.9	2834.7	2592.9	2598.0
62.5°	1201.6	1269.1	1376.0	1789.7	2260.6	2289.9	2060.8	1742.6	1425.6	1251.2	1278.0
65°	282.6	301.7	333.5	495.2	717.9	751.0	692.4	539.7	398.4	337.3	343.7
67.5°	123.5	126.0	119.7	127.3	157.8	161.7	156.6	137.5	129.8	132.4	132.4
70°	86.6	87.8	82.7	78.9	75.1	70.0	72.6	80.2	86.6	91.6	90.4
72.5°	53.5	54.7	56.0	56.0	52.2	47.1	49.6	54.7	56.0	57.3	56.0
75°	26.7	28.0	30.5	31.8	30.5	29.3	29.3	30.5	30.5	29.3	29.3
77.5°	5.1	6.4	8.9	10.2	10.2	10.2	10.2	10.2	11.5	10.2	10.2
80°	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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)