

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: P634274

Luminaire Tested: GWS-SA3B-740-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634274  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-740-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

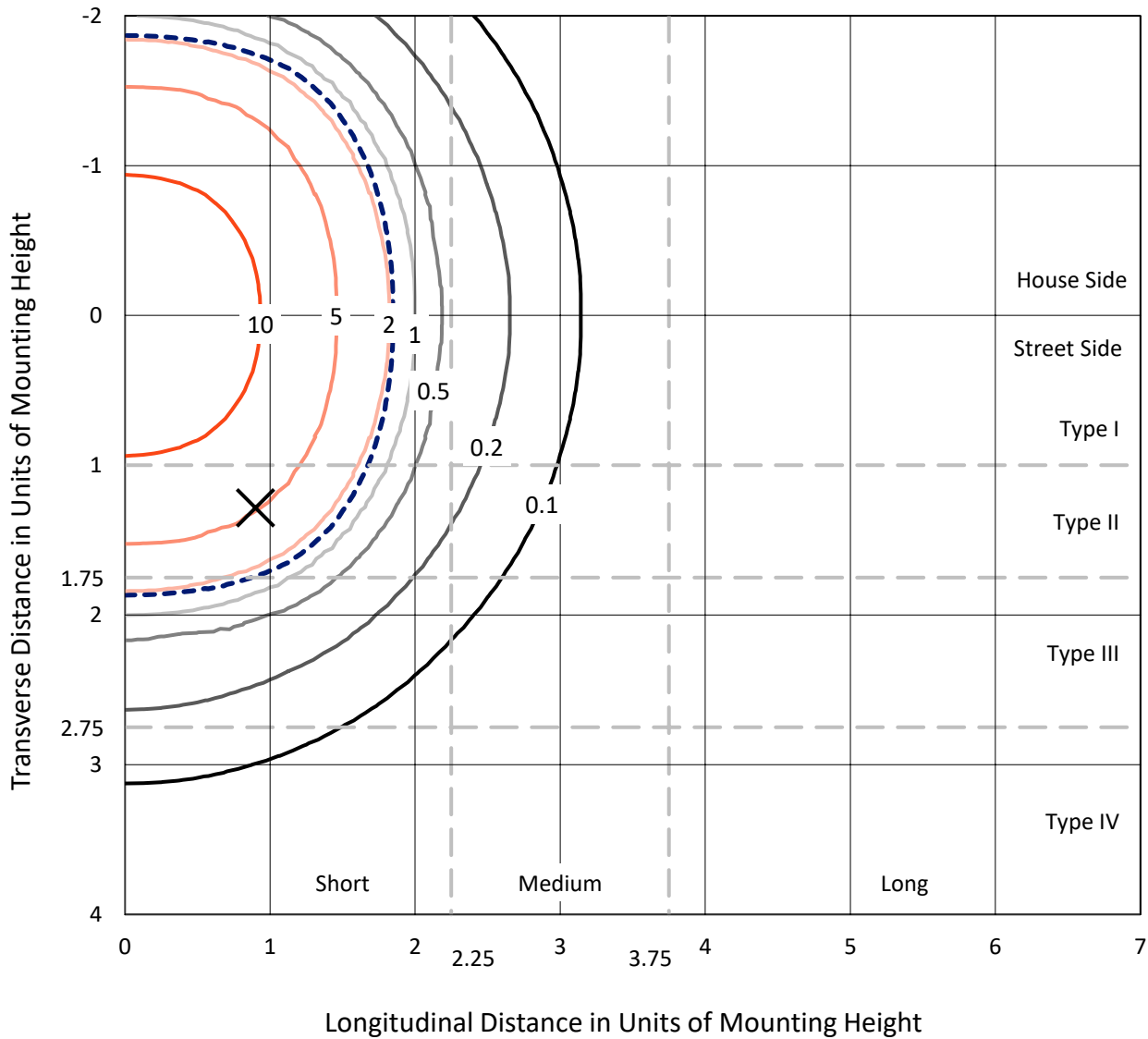
Lumens per Lamp: N/A  
Luminaire Lumens: 9107.4 lumens  
Efficiency: N/A  
Efficacy: 133.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

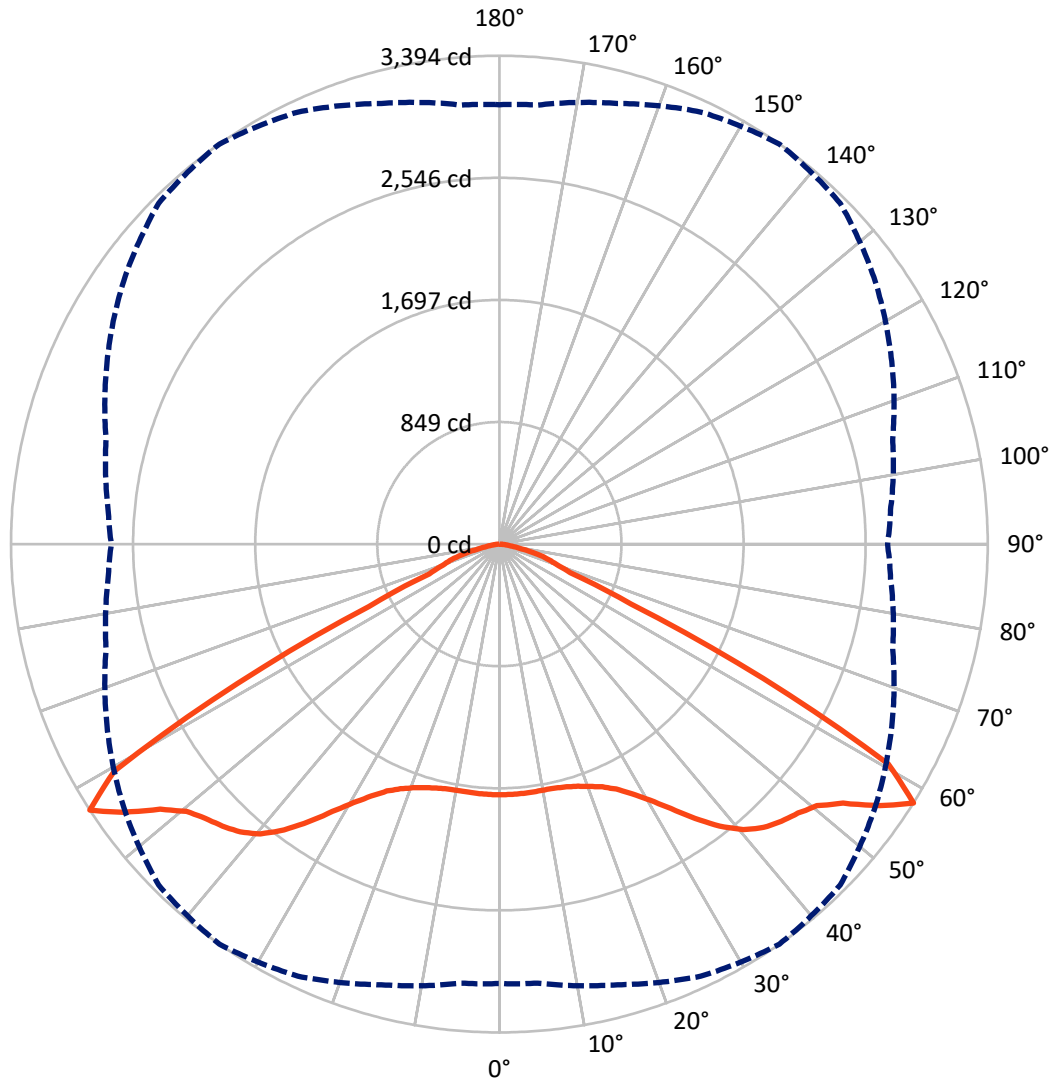
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.4 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	4553.7	0.0	4553.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4553.7	0.0	4553.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9107.4	0.0	9107.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.8	1.8
10°-20°	494.6	5.4
20°-30°	863.0	9.5
30°-40°	1415.1	15.5
40°-50°	2084.1	22.9
50°-60°	2659.7	29.2
60°-70°	1120.9	12.3
70°-80°	267.8	2.9
80°-90°	36.4	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°	9107.4	100.0
0°-180°	9107.4	100.0

**Coefficient of Utilization**



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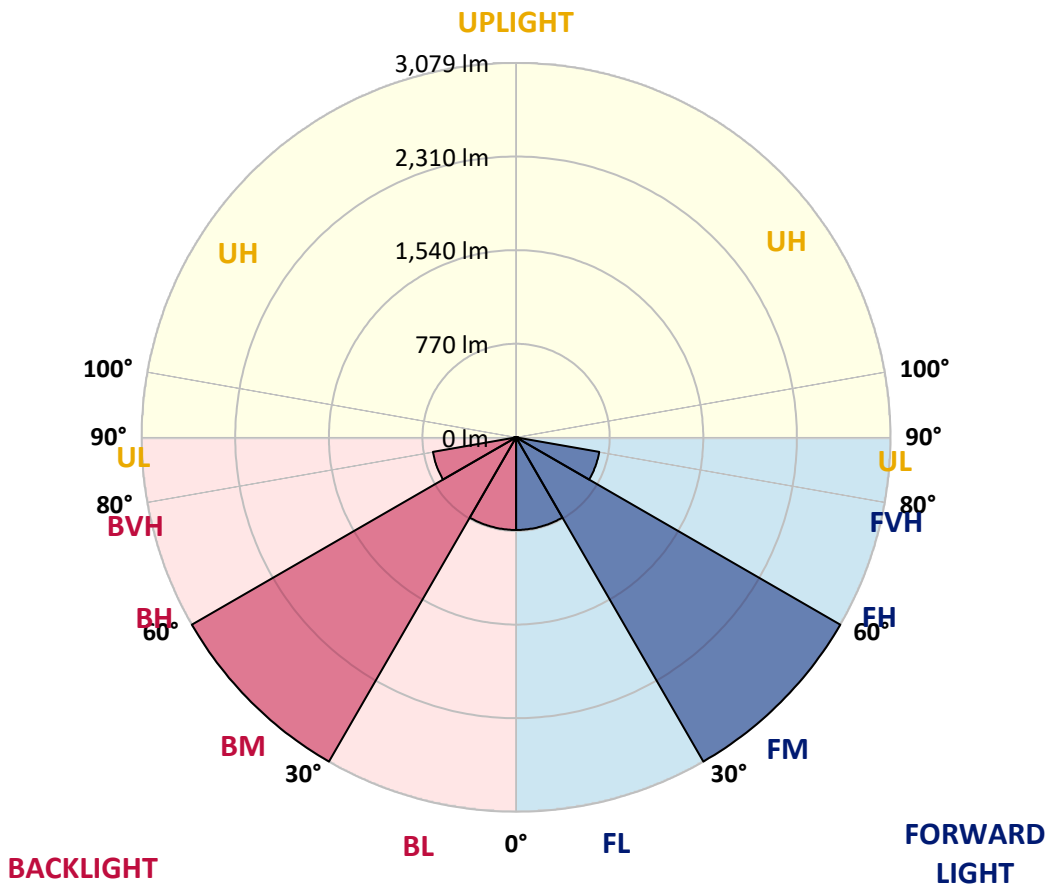
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	761.7	8.4			
FM (30°-60°)	3079.5	33.8			
FH (60°-80°)	694.3	7.6			G1/1800
FVH (80°-90°)	18.2	0.2			G1/100
BL (0°-30°)	761.7	8.4	B2/1000		
BM (30°-60°)	3079.5	33.8	B3/5000		
BH (60°-80°)	694.3	7.6	B2/1000		G1/1800
BVH (80°-90°)	18.2	0.2			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°	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6	1742.6
2.5°	1732.2	1732.2	1735.9	1739.6	1741.1	1747.8	1747.1	1744.8	1743.3	1738.9	1744.8
5°	1735.9	1735.9	1738.9	1741.1	1740.4	1745.6	1743.3	1739.6	1737.4	1732.9	1739.6
7.5°	1735.1	1735.1	1737.4	1739.6	1738.1	1742.6	1738.9	1733.6	1729.9	1725.4	1731.4
10°	1725.4	1726.9	1729.2	1734.4	1736.6	1743.3	1738.1	1729.9	1724.0	1718.7	1724.7
12.5°	1724.0	1725.4	1728.4	1735.1	1738.9	1748.6	1741.9	1728.4	1719.5	1712.8	1718.7
15°	1730.7	1732.2	1736.6	1744.8	1750.8	1761.2	1751.5	1732.9	1720.2	1711.3	1716.5
17.5°	1738.9	1741.1	1747.8	1759.7	1769.4	1780.6	1768.7	1746.3	1728.4	1716.5	1721.0
20°	1747.8	1750.8	1761.2	1779.1	1797.0	1811.2	1796.3	1766.5	1744.8	1729.2	1733.6
22.5°	1763.5	1767.2	1780.6	1806.0	1832.8	1853.7	1835.1	1794.8	1766.5	1746.3	1750.1
25°	1795.5	1800.0	1817.2	1847.7	1885.8	1911.1	1885.0	1839.5	1800.0	1775.4	1779.1
27.5°	1852.2	1854.4	1876.8	1917.1	1964.1	1993.1	1961.8	1908.1	1864.1	1835.8	1838.8
30°	1926.8	1933.5	1955.9	2008.8	2064.7	2103.5	2062.5	1999.1	1948.4	1914.1	1917.1
32.5°	2017.7	2022.2	2055.8	2111.0	2191.5	2236.2	2180.3	2105.0	2043.8	2002.1	2005.1
35°	2137.0	2140.8	2172.8	2242.9	2340.6	2382.4	2318.2	2231.7	2160.9	2121.4	2132.6
37.5°	2279.5	2286.2	2309.3	2378.6	2487.5	2528.5	2454.7	2374.2	2300.3	2263.8	2272.0
40°	2432.3	2431.6	2450.2	2511.4	2610.5	2635.9	2569.5	2505.4	2442.0	2418.2	2431.6
42.5°	2563.6	2559.8	2573.3	2624.0	2692.6	2694.8	2650.8	2615.0	2570.3	2553.9	2566.5
45°	2655.3	2656.8	2676.9	2711.9	2747.0	2728.4	2714.9	2709.0	2673.9	2651.6	2653.8
47.5°	2727.6	2733.6	2765.6	2789.5	2794.0	2762.7	2781.3	2790.2	2761.2	2726.9	2717.2
50°	2791.7	2801.4	2843.2	2868.5	2858.8	2819.3	2855.9	2869.3	2805.2	2739.5	2720.2
52.5°	2908.1	2919.2	2969.9	3002.8	2991.6	2952.0	2986.4	2938.6	2830.5	2750.0	2725.4
55°	3093.7	3098.9	3160.8	3214.5	3209.3	3160.8	3133.2	3027.4	2896.1	2812.6	2789.5
57.5°	3054.2	3063.2	3170.5	3313.7	3394.2	3350.2	3188.4	3008.0	2829.8	2729.1	2697.8
60°	2403.2	2424.9	2558.3	2810.4	3105.7	3104.9	2804.4	2524.0	2309.3	2175.8	2162.4
62.5°	1403.3	1418.2	1539.8	1794.8	2059.5	2075.9	1864.9	1672.5	1484.6	1394.4	1351.1
65°	664.4	663.6	712.1	826.9	1005.9	1020.1	956.7	851.5	740.4	709.9	701.7
67.5°	490.6	490.6	486.9	495.1	529.4	536.9	529.4	512.3	501.8	508.5	504.1
70°	425.8	426.5	422.0	419.8	419.8	417.6	420.5	427.3	431.7	440.7	436.2
72.5°	345.2	346.0	346.0	346.7	347.5	344.5	349.0	352.7	353.4	356.4	353.4
75°	245.3	246.8	251.3	255.0	258.0	258.0	259.5	260.2	257.3	261.0	255.0
77.5°	135.0	136.5	144.7	151.4	158.1	158.8	161.1	162.6	161.1	164.0	159.6
80°	74.6	76.1	79.8	82.8	88.0	92.5	95.4	96.9	96.9	99.2	96.9
82.5°	42.5	44.0	46.2	47.7	52.2	55.9	58.9	61.1	61.1	61.9	60.4
85°	20.1	20.1	21.6	23.1	25.4	26.8	30.6	32.8	32.8	34.3	32.8
87.5°	3.0	3.7	4.5	4.5	6.0	7.5	8.9	9.7	11.2	11.9	11.9
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)