

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: P635208

Luminaire Tested: GWS-SA3D-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635208  
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-SA3D-735-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

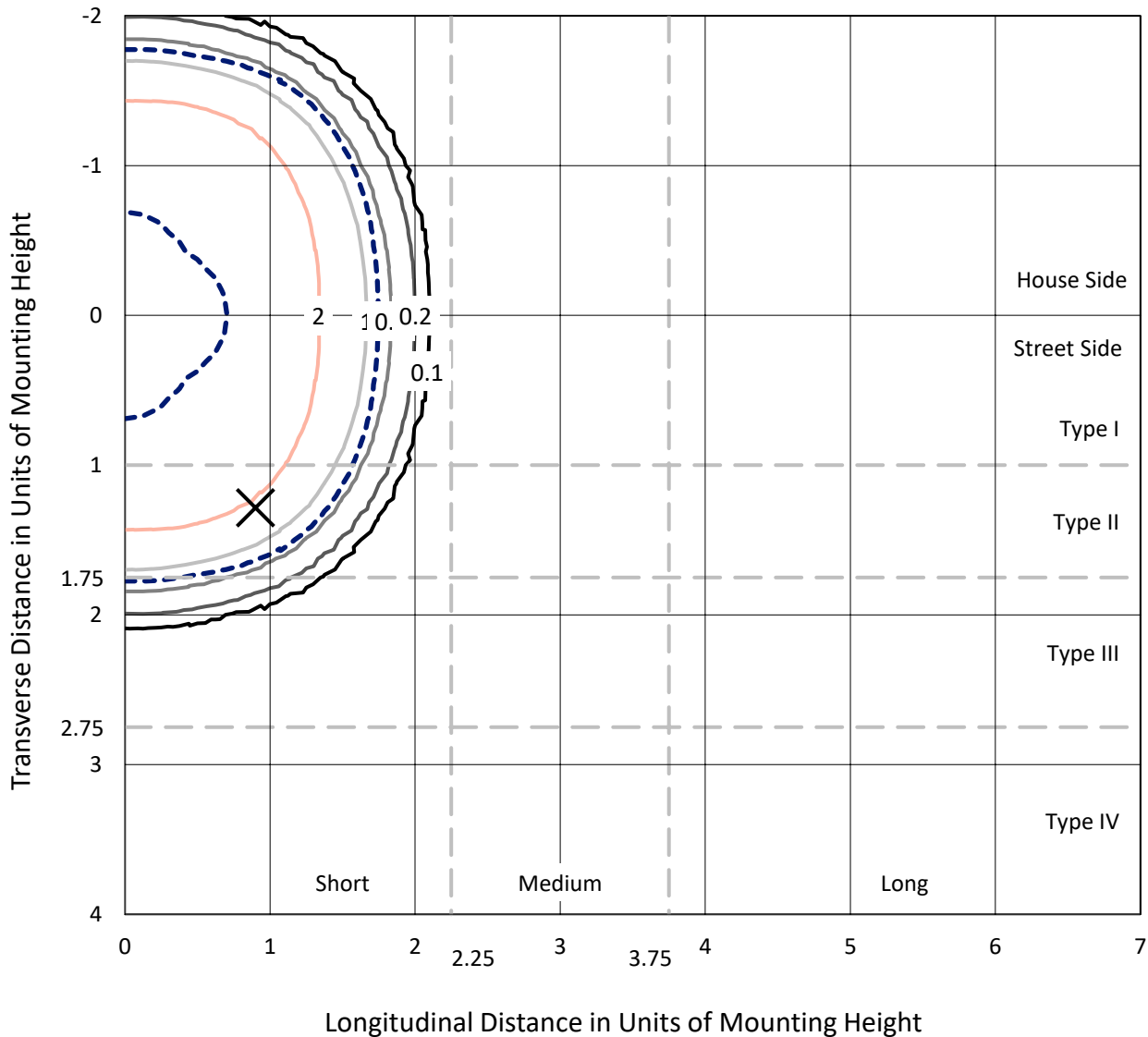
Lumens per Lamp: N/A  
Luminaire Lumens: 10604.9 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

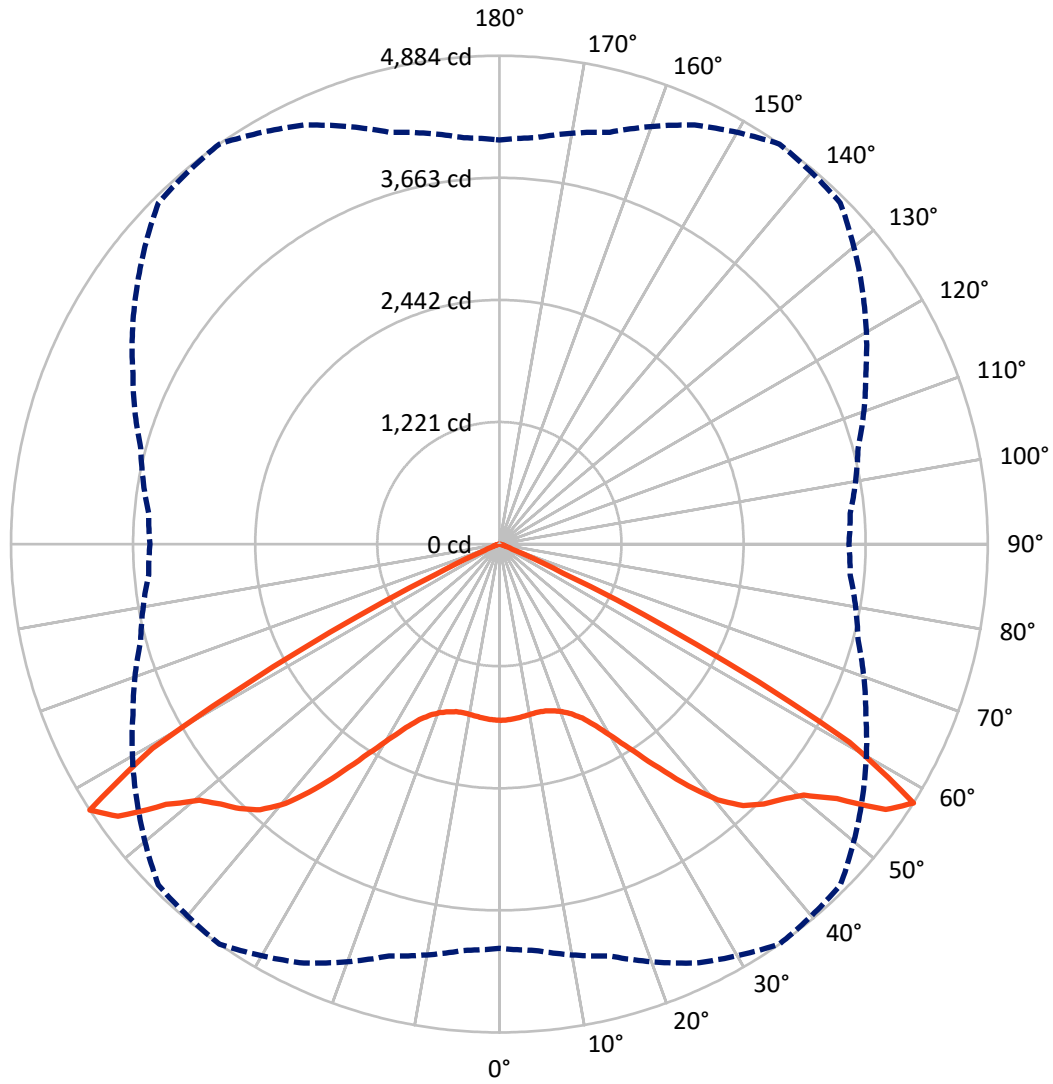
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 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	5302.4	0.0	5302.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5302.4	0.0	5302.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10604.9	0.0	10604.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.1	1.6
10°-20°	488.6	4.6
20°-30°	883.3	8.3
30°-40°	1647.8	15.5
40°-50°	2764.2	26.1
50°-60°	3650.4	34.4
60°-70°	969.5	9.1
70°-80°	34.4	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°	10604.9	100.0
0°-180°	10604.9	100.0

**Coefficient of Utilization**



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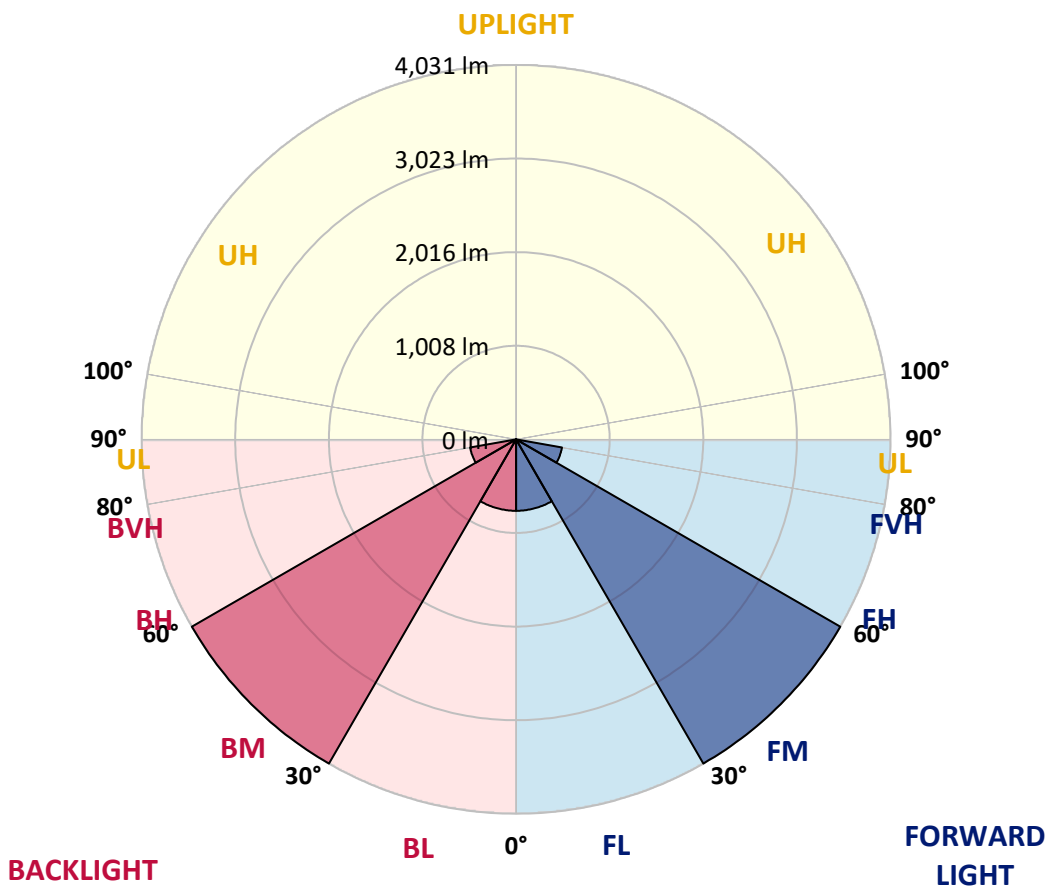
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	769.0	7.3			
FM (30°-60°)	4031.2	38.0			
FH (60°-80°)	501.9	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	769.0	7.3	B2/1000		
BM (30°-60°)	4031.2	38.0	B3/5000		
BH (60°-80°)	501.9	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°	1763.2	1763.2	1763.2	1763.2	1763.2	1763.2	1763.2	1763.2	1763.2	1763.2	1763.2
2.5°	1750.7	1749.5	1754.5	1758.2	1758.2	1766.9	1764.4	1761.9	1759.4	1755.7	1764.4
5°	1748.2	1747.0	1750.7	1753.2	1750.7	1758.2	1753.2	1748.2	1745.7	1740.8	1750.7
7.5°	1737.0	1738.3	1740.8	1743.3	1739.5	1745.7	1739.5	1732.1	1725.8	1720.9	1729.6
10°	1719.6	1720.9	1723.3	1728.3	1729.6	1738.3	1729.6	1715.9	1707.2	1699.7	1708.4
12.5°	1710.9	1712.1	1715.9	1722.1	1723.3	1734.5	1723.3	1703.4	1691.0	1682.3	1691.0
15°	1713.4	1715.9	1720.9	1728.3	1730.8	1742.0	1727.1	1700.9	1683.5	1672.3	1679.8
17.5°	1722.1	1724.6	1732.1	1744.5	1753.2	1764.4	1745.7	1712.1	1688.5	1672.3	1679.8
20°	1733.3	1737.0	1749.5	1769.4	1788.0	1808.0	1784.3	1738.3	1707.2	1687.3	1693.5
22.5°	1764.4	1768.1	1785.6	1811.7	1842.8	1867.7	1839.1	1780.6	1738.3	1712.1	1718.4
25°	1827.9	1831.6	1854.0	1887.6	1927.4	1959.8	1923.7	1850.3	1795.5	1765.6	1768.1
27.5°	1927.4	1931.1	1957.3	2004.6	2058.1	2104.1	2051.8	1966.0	1903.8	1868.9	1868.9
30°	2053.1	2058.1	2092.9	2156.4	2239.7	2300.7	2229.8	2125.2	2045.6	1998.3	1999.6
32.5°	2214.8	2209.9	2259.6	2346.7	2464.9	2545.8	2441.3	2314.4	2216.1	2150.1	2156.4
35°	2422.6	2421.4	2477.4	2595.6	2749.9	2846.9	2722.5	2558.3	2440.1	2372.9	2374.1
37.5°	2690.2	2688.9	2753.6	2881.8	3067.2	3148.1	3008.7	2842.0	2715.0	2650.3	2657.8
40°	3003.7	2996.3	3053.5	3176.7	3362.1	3414.3	3262.5	3128.1	3006.2	2965.1	2985.1
42.5°	3302.3	3286.2	3319.8	3431.8	3574.8	3582.3	3467.8	3375.8	3292.4	3260.0	3272.5
45°	3542.5	3530.1	3561.2	3625.9	3708.0	3670.7	3615.9	3587.3	3520.1	3485.3	3496.5
47.5°	3721.7	3721.7	3759.0	3798.8	3811.3	3742.8	3751.5	3751.5	3684.3	3629.6	3615.9
50°	3876.0	3887.2	3943.2	3984.2	3943.2	3856.1	3905.8	3895.9	3759.0	3649.5	3620.9
52.5°	4122.3	4133.5	4219.4	4275.4	4229.3	4143.5	4149.7	4025.3	3823.7	3694.3	3649.5
55°	4383.6	4411.0	4535.4	4684.8	4686.0	4597.7	4433.4	4213.2	3968.0	3827.4	3781.4
57.5°	4041.5	4078.8	4264.2	4623.8	4883.8	4822.9	4430.9	4043.9	3713.0	3521.3	3495.2
60°	2781.0	2845.7	3031.1	3522.6	4024.0	4047.7	3584.8	3150.5	2771.0	2534.6	2539.6
62.5°	1174.6	1240.6	1345.1	1749.5	2209.9	2238.5	2014.5	1703.4	1393.6	1223.1	1249.3
65°	276.2	294.9	326.0	484.0	701.8	734.1	676.9	527.6	389.5	329.7	336.0
67.5°	120.7	123.2	117.0	124.4	154.3	158.0	153.0	134.4	126.9	129.4	129.4
70°	84.6	85.9	80.9	77.1	73.4	68.4	70.9	78.4	84.6	89.6	88.3
72.5°	52.3	53.5	54.7	54.7	51.0	46.0	48.5	53.5	54.7	56.0	54.7
75°	26.1	27.4	29.9	31.1	29.9	28.6	28.6	29.9	29.9	28.6	28.6
77.5°	5.0	6.2	8.7	10.0	10.0	10.0	10.0	10.0	11.2	10.0	10.0
80°	1.2	1.2	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
82.5°	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
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)