

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: P637026

Luminaire Tested: GWS-SA4C-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4C-722-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

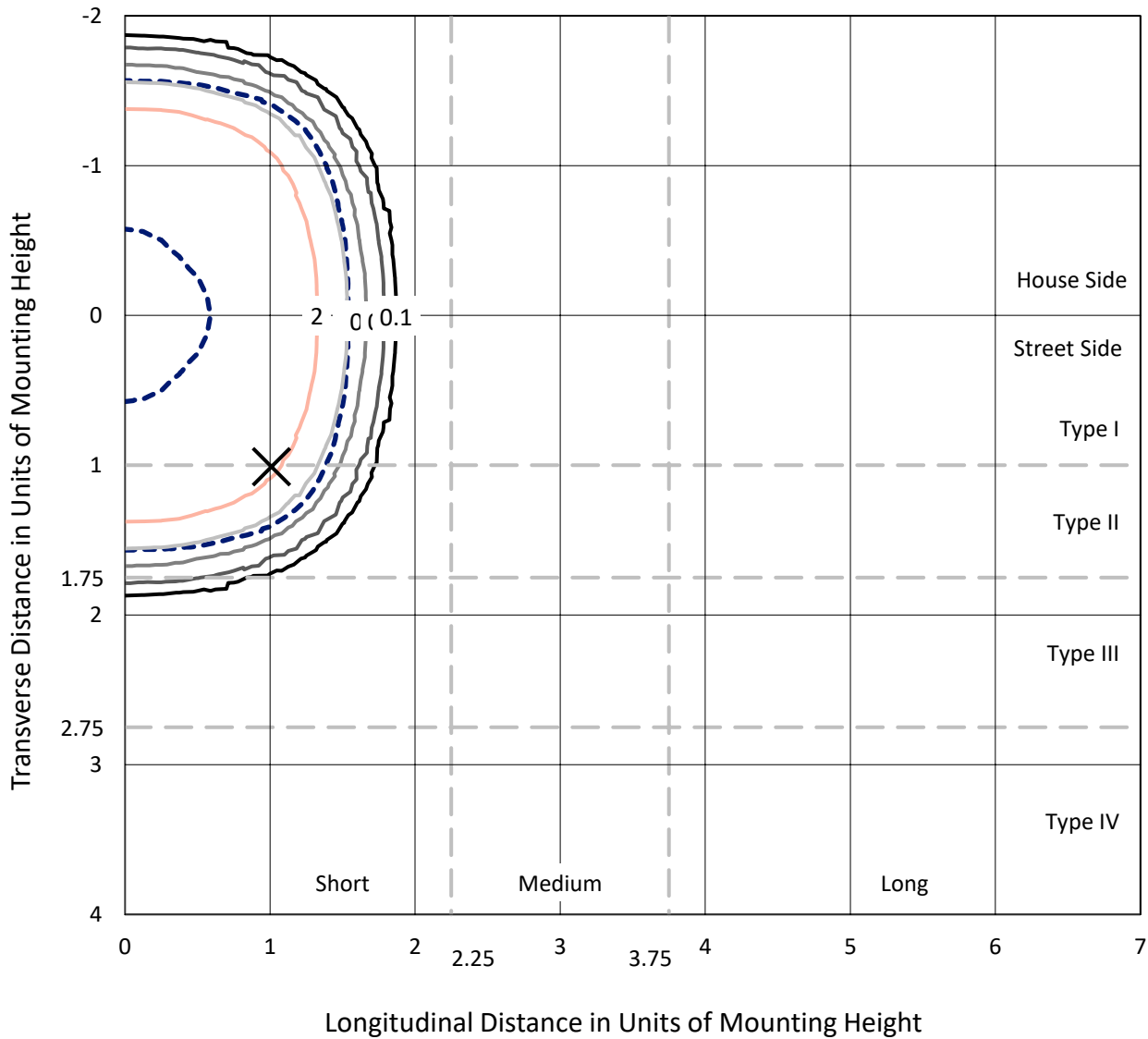
Lumens per Lamp: N/A  
Luminaire Lumens: 10061.6 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

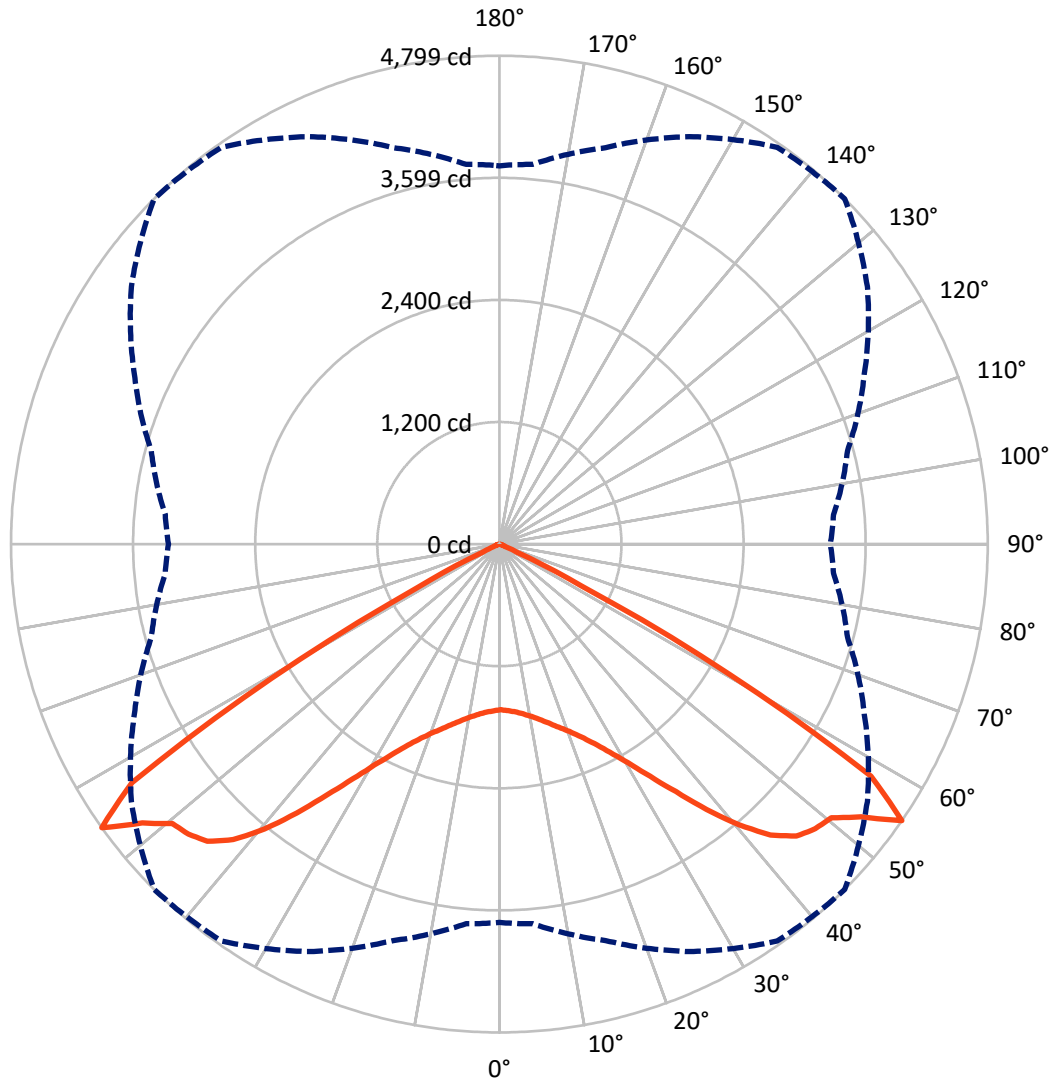
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5030.8	0.0	5030.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5030.8	0.0	5030.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10061.6	0.0	10061.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.4	1.6
10°-20°	516.7	5.1
20°-30°	1000.6	9.9
30°-40°	1792.6	17.8
40°-50°	3005.4	29.9
50°-60°	3217.1	32.0
60°-70°	353.5	3.5
70°-80°	15.6	0.2
80°-90°	0.7	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°	10061.6	100.0
0°-180°	10061.6	100.0

**Coefficient of Utilization**



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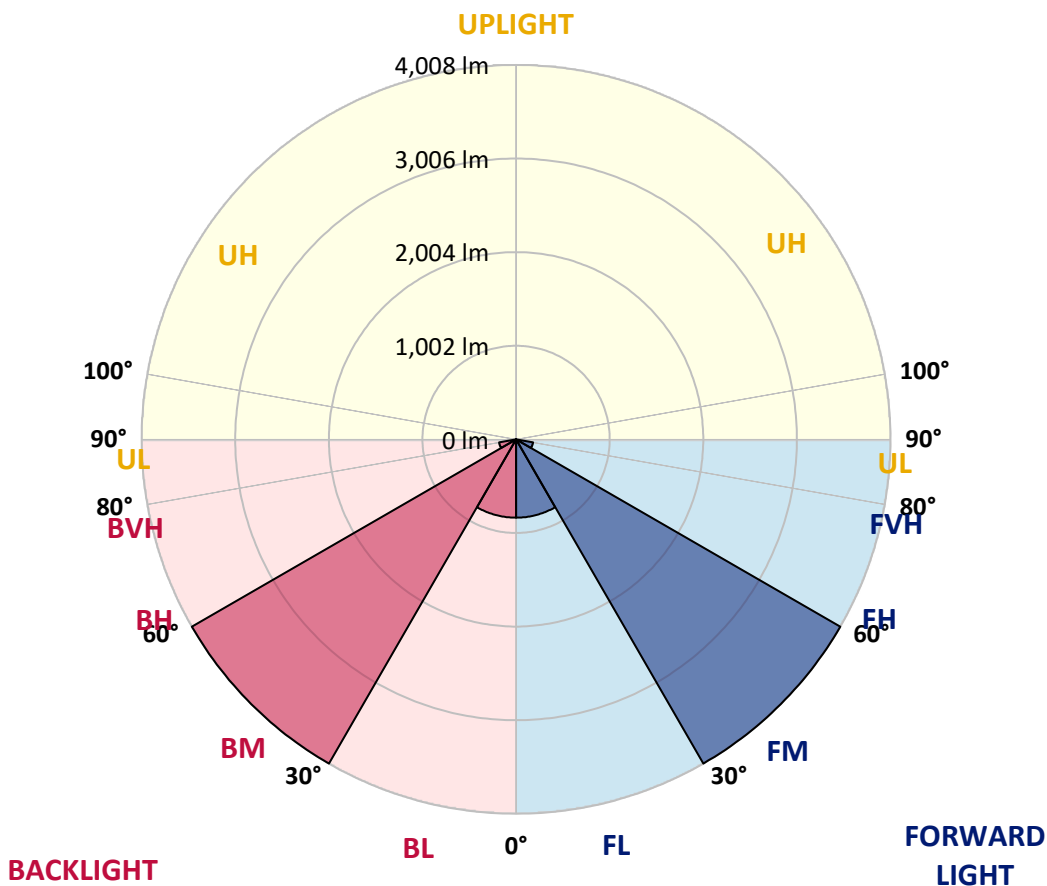
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	838.3	8.3			
FM (30°-60°)	4007.6	39.8			
FH (60°-80°)	184.6	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	838.3	8.3	B2/1000		
BM (30°-60°)	4007.6	39.8	B3/5000		
BH (60°-80°)	184.6	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	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°	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8	1626.8
2.5°	1623.7	1623.7	1627.8	1630.9	1630.9	1639.1	1636.0	1632.9	1632.9	1628.8	1637.0
5°	1647.3	1646.2	1650.3	1652.4	1648.3	1656.5	1651.4	1648.3	1646.2	1642.1	1650.3
7.5°	1672.9	1673.9	1674.9	1679.0	1677.0	1685.2	1681.1	1674.9	1672.9	1666.7	1674.9
10°	1703.6	1703.6	1705.7	1710.8	1711.8	1722.1	1718.0	1710.8	1704.7	1698.5	1706.7
12.5°	1742.6	1743.6	1746.7	1753.9	1758.0	1769.2	1763.1	1748.7	1739.5	1732.3	1741.6
15°	1799.0	1798.0	1802.1	1812.3	1817.4	1825.6	1816.4	1796.9	1785.7	1777.5	1783.6
17.5°	1860.5	1860.5	1862.5	1872.8	1880.0	1892.3	1881.0	1857.4	1847.2	1835.9	1842.0
20°	1928.1	1931.2	1933.3	1940.4	1952.7	1965.0	1955.8	1932.2	1921.0	1906.6	1913.8
22.5°	2017.3	2014.2	2015.3	2027.6	2045.0	2057.3	2050.1	2022.4	2003.0	1991.7	1995.8
25°	2116.7	2115.7	2118.8	2137.2	2156.7	2170.0	2159.8	2123.9	2104.4	2085.0	2093.2
27.5°	2238.7	2239.8	2241.8	2264.4	2295.1	2314.6	2289.0	2253.1	2226.4	2200.8	2206.9
30°	2383.3	2381.2	2387.4	2418.1	2463.2	2494.0	2464.2	2414.0	2376.1	2351.5	2354.6
32.5°	2537.0	2539.1	2555.5	2604.7	2664.1	2718.5	2658.0	2591.3	2542.1	2496.0	2502.2
35°	2703.1	2708.2	2745.1	2817.9	2915.3	2988.0	2904.0	2794.3	2724.6	2665.2	2667.2
37.5°	2898.9	2911.2	2962.4	3071.1	3210.5	3307.9	3184.9	3039.3	2949.1	2875.3	2870.2
40°	3156.2	3170.5	3240.2	3369.4	3538.5	3627.7	3485.2	3335.5	3223.8	3143.9	3131.6
42.5°	3451.4	3469.8	3545.7	3677.9	3847.0	3907.5	3768.1	3642.0	3541.6	3447.3	3443.2
45°	3784.5	3794.8	3856.3	3957.7	4079.7	4094.1	3989.5	3919.8	3818.3	3730.2	3723.0
47.5°	4097.2	4107.4	4149.4	4201.7	4230.4	4179.2	4160.7	4130.0	3998.8	3890.1	3867.5
50°	4335.0	4343.2	4395.4	4415.9	4336.0	4227.3	4263.2	4197.6	4055.1	3933.1	3898.3
52.5°	4318.6	4339.1	4473.4	4590.2	4540.0	4451.8	4355.5	4214.0	3992.6	3825.5	3782.5
55°	3717.9	3745.6	4033.6	4418.0	4761.4	4799.3	4413.9	3957.7	3541.6	3296.6	3252.5
57.5°	2389.4	2396.6	2748.2	3287.4	4061.3	4305.2	3660.5	2983.9	2466.3	2196.7	2178.2
60°	878.5	864.1	1129.6	1576.5	2339.2	2597.5	2154.7	1508.9	1076.3	885.6	870.3
62.5°	211.2	213.2	264.5	396.7	733.9	908.2	717.5	400.8	255.2	214.2	212.2
65°	106.6	104.6	105.6	113.8	156.8	187.6	153.8	108.7	104.6	105.6	104.6
67.5°	68.7	67.7	69.7	70.7	69.7	65.6	64.6	66.6	66.6	67.7	65.6
70°	42.0	41.0	43.1	46.1	44.1	39.0	41.0	43.1	41.0	40.0	40.0
72.5°	22.6	22.6	24.6	26.7	24.6	22.6	22.6	23.6	22.6	22.6	22.6
75°	10.3	10.3	11.3	12.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
77.5°	3.1	3.1	4.1	4.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1
80°	1.0	2.1	2.1	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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)