

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: P633833

Luminaire Tested: GWS-SA2F-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633833  
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-SA2F-750-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

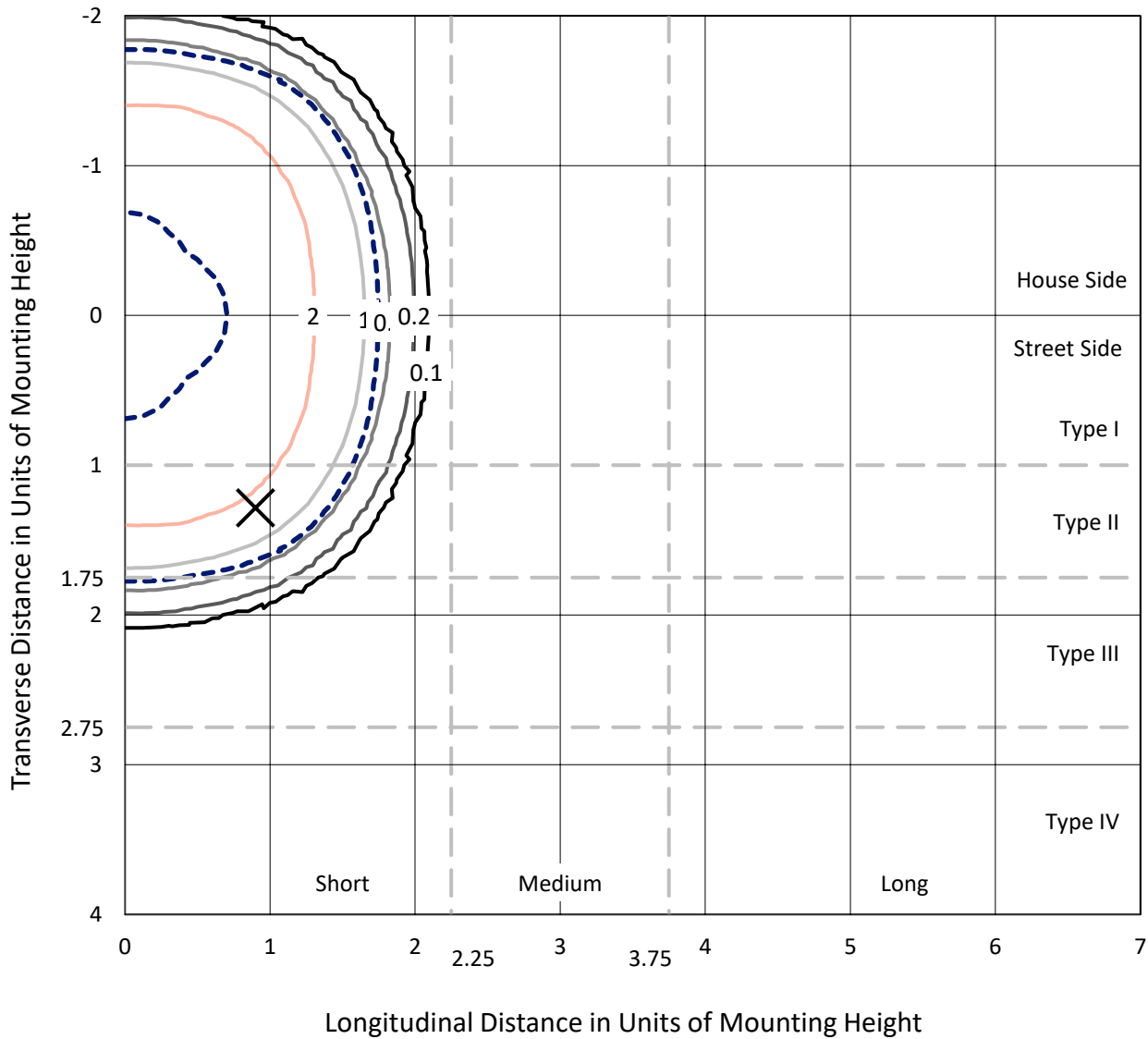
Lumens per Lamp: N/A  
Luminaire Lumens: 10139 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 124.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

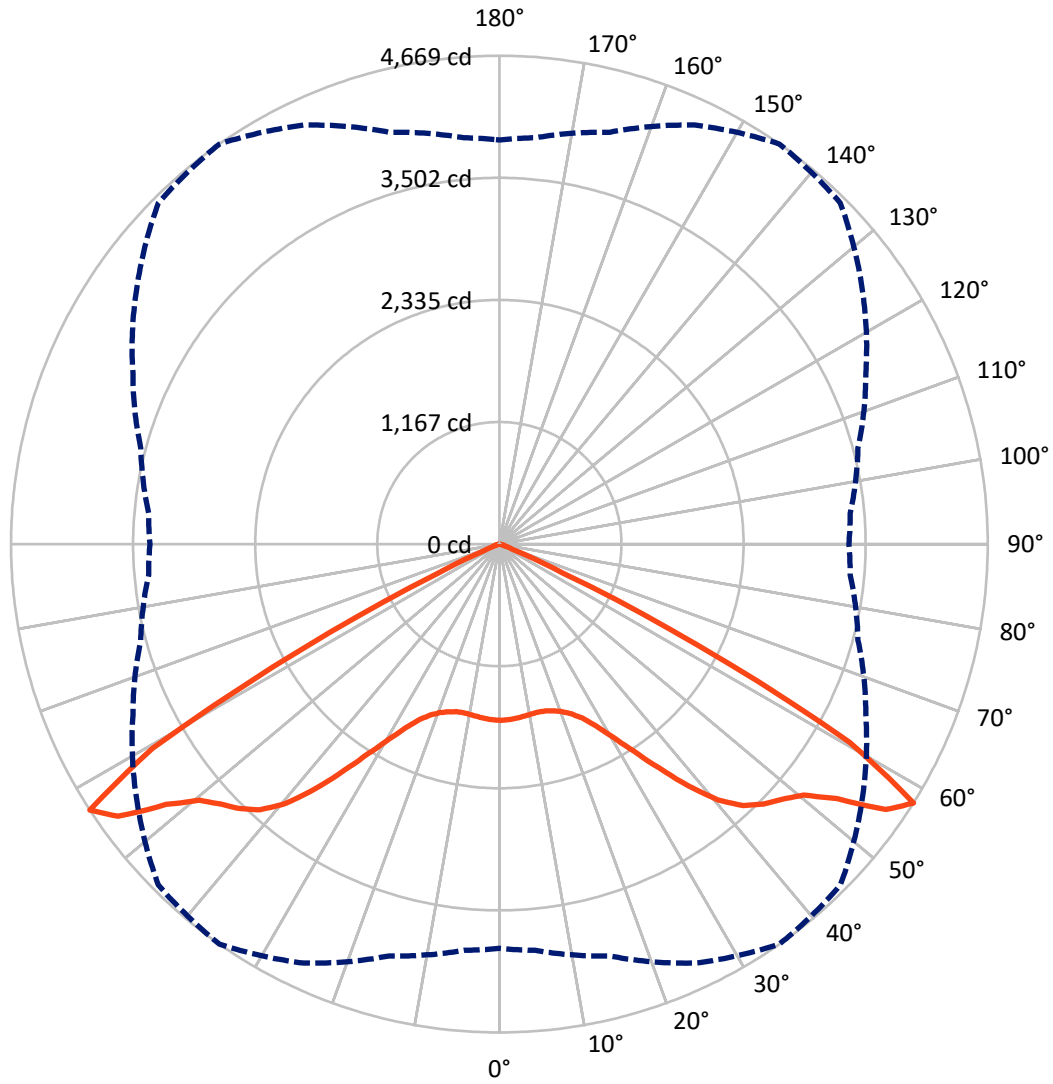
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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	5069.5	0.0	5069.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5069.5	0.0	5069.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10139.0	0.0	10139.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.8	1.6
10°-20°	467.2	4.6
20°-30°	844.4	8.3
30°-40°	1575.4	15.5
40°-50°	2642.8	26.1
50°-60°	3490.0	34.4
60°-70°	926.9	9.1
70°-80°	32.9	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°	10139.0	100.0
0°-180°	10139.0	100.0

**Coefficient of Utilization**



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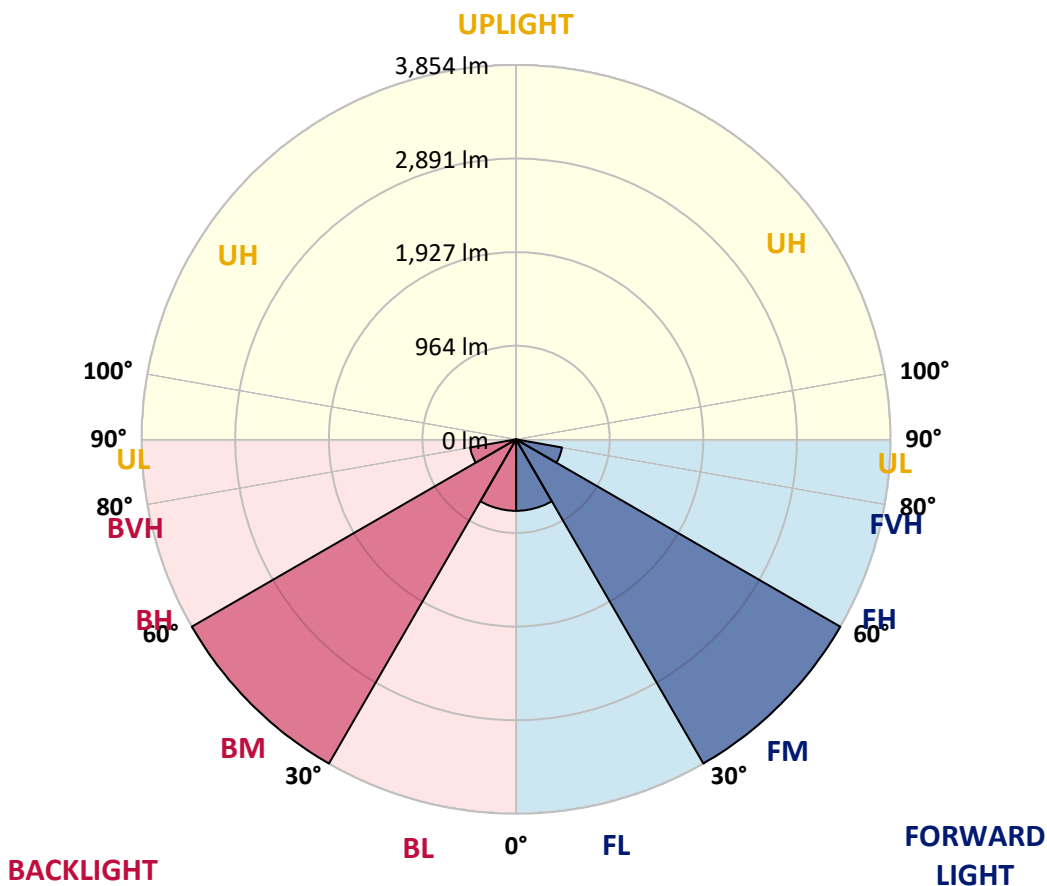
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	735.2	7.3			
FM (30°-60°)	3854.1	38.0			
FH (60°-80°)	479.9	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	735.2	7.3	B2/1000		
BM (30°-60°)	3854.1	38.0	B3/5000		
BH (60°-80°)	479.9	4.7	B1/500		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°	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7	1685.7
2.5°	1673.8	1672.6	1677.4	1680.9	1680.9	1689.3	1686.9	1684.5	1682.1	1678.6	1686.9
5°	1671.4	1670.2	1673.8	1676.2	1673.8	1680.9	1676.2	1671.4	1669.0	1664.3	1673.8
7.5°	1660.7	1661.9	1664.3	1666.7	1663.1	1669.0	1663.1	1656.0	1650.0	1645.3	1653.6
10°	1644.1	1645.3	1647.6	1652.4	1653.6	1661.9	1653.6	1640.5	1632.2	1625.0	1633.4
12.5°	1635.7	1636.9	1640.5	1646.4	1647.6	1658.3	1647.6	1628.6	1616.7	1608.4	1616.7
15°	1638.1	1640.5	1645.3	1652.4	1654.8	1665.5	1651.2	1626.2	1609.6	1598.9	1606.0
17.5°	1646.4	1648.8	1656.0	1667.9	1676.2	1686.9	1669.0	1636.9	1614.3	1598.9	1606.0
20°	1657.1	1660.7	1672.6	1691.6	1709.5	1728.5	1705.9	1661.9	1632.2	1613.1	1619.1
22.5°	1686.9	1690.5	1707.1	1732.1	1761.8	1785.6	1758.3	1702.4	1661.9	1636.9	1642.9
25°	1747.6	1751.1	1772.5	1804.7	1842.7	1873.7	1839.2	1769.0	1716.6	1688.1	1690.5
27.5°	1842.7	1846.3	1871.3	1916.5	1967.6	2011.7	1961.7	1879.6	1820.1	1786.8	1786.8
30°	1962.9	1967.6	2001.0	2061.6	2141.3	2199.6	2131.8	2031.9	1955.7	1910.5	1911.7
32.5°	2117.5	2112.8	2160.4	2243.6	2356.6	2434.0	2334.0	2212.7	2118.7	2055.7	2061.6
35°	2316.2	2315.0	2368.5	2481.6	2629.1	2721.9	2602.9	2445.9	2332.9	2268.6	2269.8
37.5°	2572.0	2570.8	2632.6	2755.2	2932.4	3009.8	2876.5	2717.1	2595.8	2533.9	2541.0
40°	2871.8	2864.6	2919.3	3037.1	3214.4	3264.3	3119.2	2990.7	2874.1	2834.9	2853.9
42.5°	3157.3	3141.8	3173.9	3281.0	3417.8	3424.9	3315.5	3227.5	3147.8	3116.8	3128.7
45°	3386.9	3375.0	3404.7	3466.6	3545.1	3509.4	3457.1	3429.7	3365.5	3332.1	3342.8
47.5°	3558.2	3558.2	3593.9	3631.9	3643.8	3578.4	3586.7	3586.7	3522.5	3470.1	3457.1
50°	3705.7	3716.4	3769.9	3809.2	3769.9	3686.7	3734.2	3724.7	3593.9	3489.2	3461.8
52.5°	3941.2	3951.9	4034.0	4087.6	4043.5	3961.5	3967.4	3848.4	3655.7	3532.0	3489.2
55°	4191.1	4217.2	4336.2	4478.9	4480.1	4395.7	4238.6	4028.1	3793.7	3659.3	3615.3
57.5°	3863.9	3899.6	4076.8	4420.7	4669.3	4611.0	4236.3	3866.3	3549.8	3366.6	3341.7
60°	2658.8	2720.7	2897.9	3367.8	3847.3	3869.9	3427.3	3012.1	2649.3	2423.3	2428.0
62.5°	1123.0	1186.1	1286.0	1672.6	2112.8	2140.1	1926.0	1628.6	1332.4	1169.4	1194.4
65°	264.1	281.9	311.7	462.8	670.9	701.9	647.2	504.4	372.4	315.3	321.2
67.5°	115.4	117.8	111.8	119.0	147.5	151.1	146.3	128.5	121.3	123.7	123.7
70°	80.9	82.1	77.3	73.8	70.2	65.4	67.8	74.9	80.9	85.7	84.5
72.5°	50.0	51.2	52.3	52.3	48.8	44.0	46.4	51.2	52.3	53.5	52.3
75°	25.0	26.2	28.6	29.7	28.6	27.4	27.4	28.6	28.6	27.4	27.4
77.5°	4.8	5.9	8.3	9.5	9.5	9.5	9.5	9.5	10.7	9.5	9.5
80°	1.2	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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)