

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: P633778

Luminaire Tested: GWS-SA2F-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633778  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9911.8 lumens  
Efficiency: N/A  
Efficacy: 79.6 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

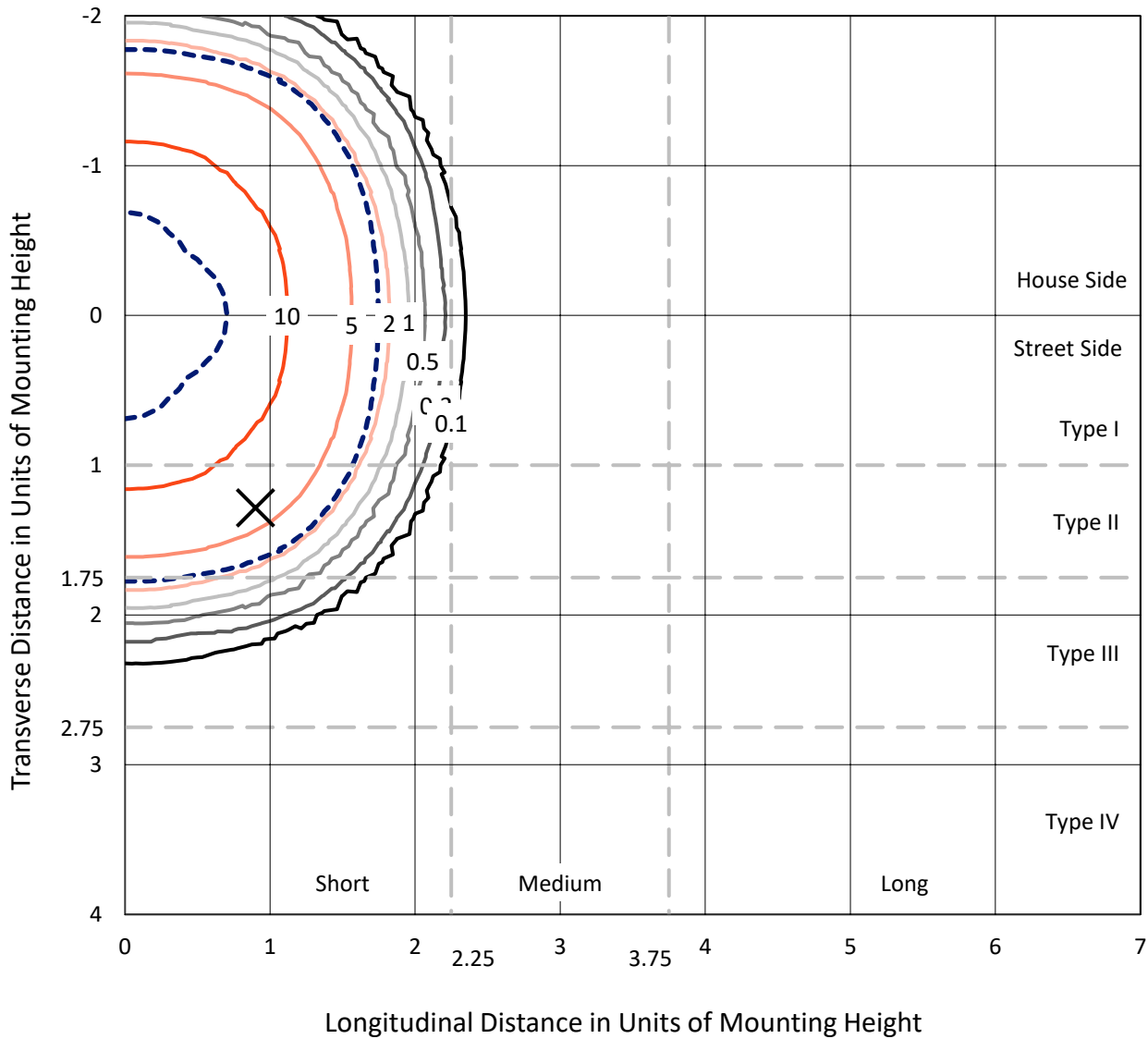


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### Iso-Footcandle Lines of Horizontal Illumination

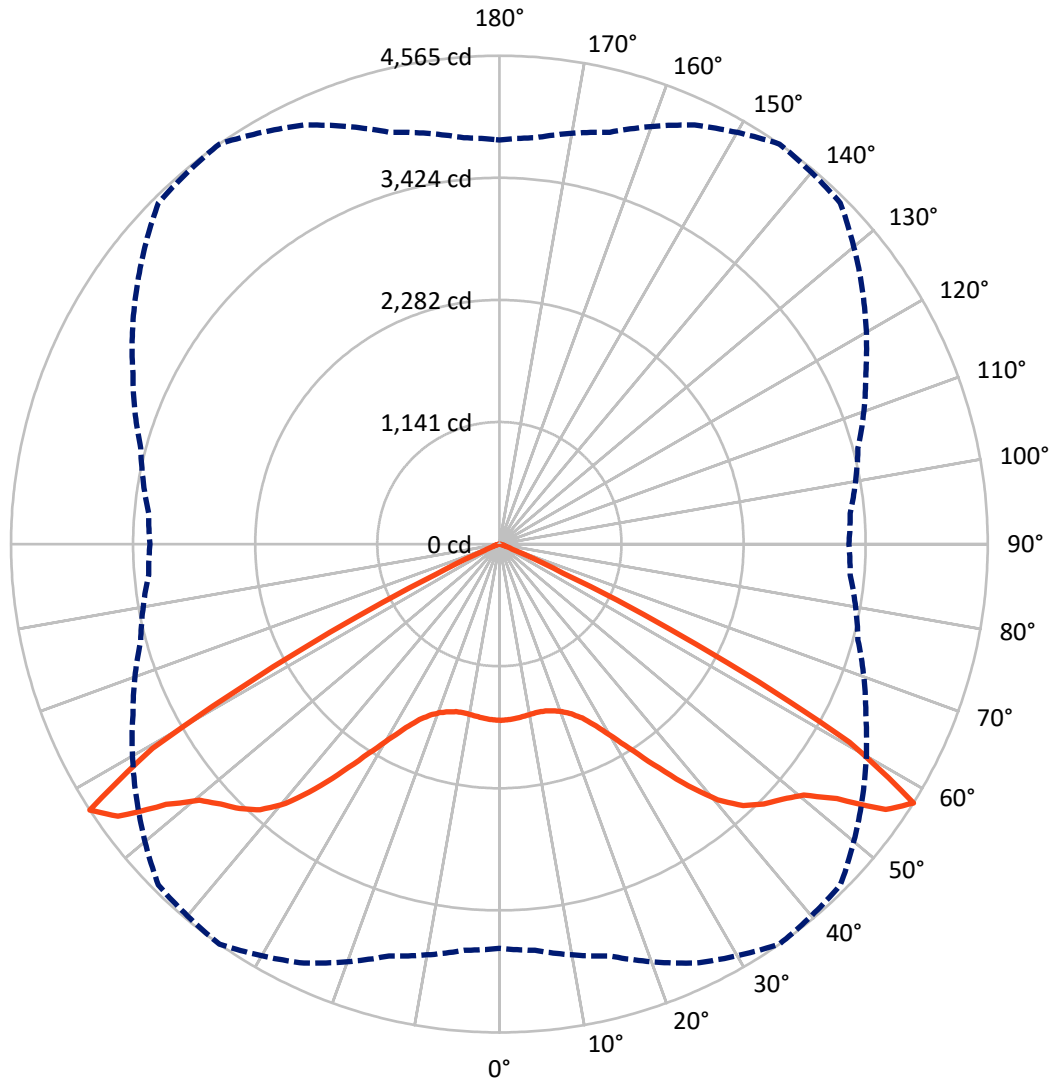
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 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	4955.9	0.0	4955.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4955.9	0.0	4955.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9911.8	0.0	9911.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.3	1.6
10°-20°	456.7	4.6
20°-30°	825.5	8.3
30°-40°	1540.1	15.5
40°-50°	2583.5	26.1
50°-60°	3411.8	34.4
60°-70°	906.1	9.1
70°-80°	32.2	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°	9911.8	100.0
0°-180°	9911.8	100.0

**Coefficient of Utilization**



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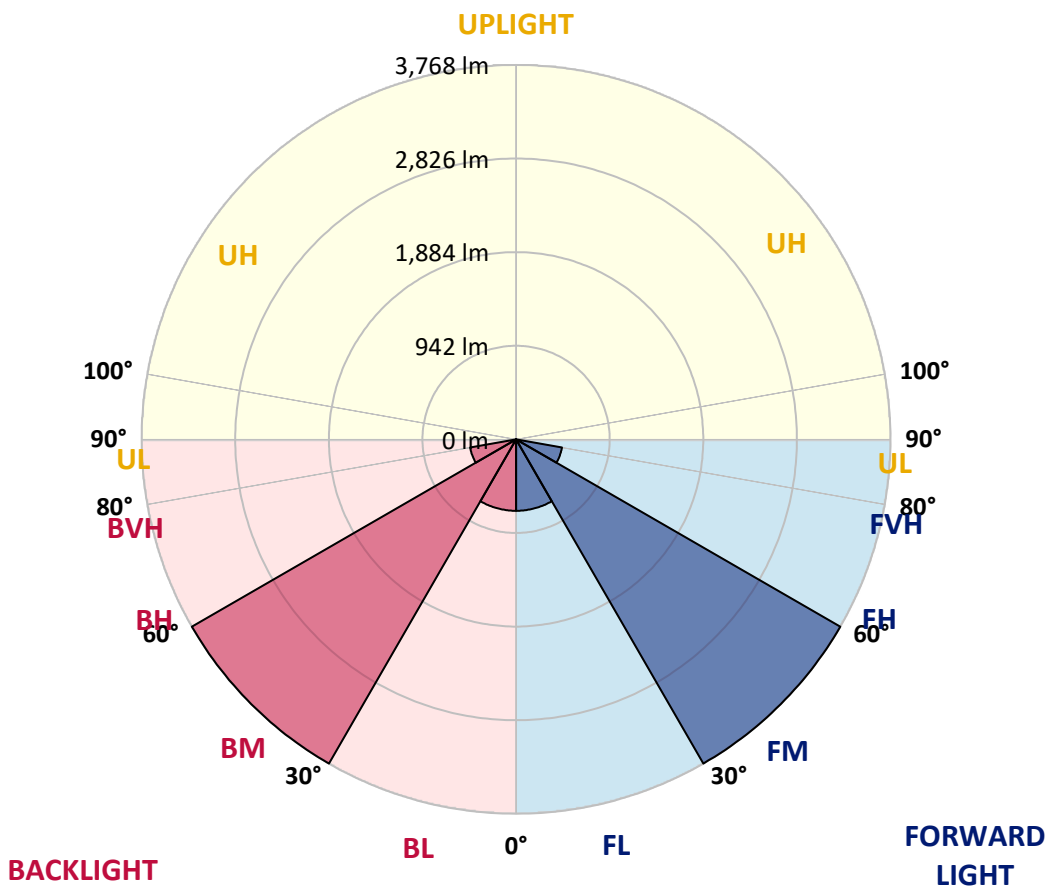
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	718.7	7.3			
FM (30°-60°)	3767.7	38.0			
FH (60°-80°)	469.1	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	718.7	7.3	B2/1000		
BM (30°-60°)	3767.7	38.0	B3/5000		
BH (60°-80°)	469.1	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°	1647.9	1647.9	1647.9	1647.9	1647.9	1647.9	1647.9	1647.9	1647.9	1647.9	1647.9
2.5°	1636.3	1635.1	1639.8	1643.3	1643.3	1651.4	1649.1	1646.8	1644.4	1640.9	1649.1
5°	1634.0	1632.8	1636.3	1638.6	1636.3	1643.3	1638.6	1634.0	1631.6	1627.0	1636.3
7.5°	1623.5	1624.7	1627.0	1629.3	1625.8	1631.6	1625.8	1618.9	1613.0	1608.4	1616.5
10°	1607.2	1608.4	1610.7	1615.4	1616.5	1624.7	1616.5	1603.7	1595.6	1588.6	1596.8
12.5°	1599.1	1600.2	1603.7	1609.5	1610.7	1621.2	1610.7	1592.1	1580.5	1572.3	1580.5
15°	1601.4	1603.7	1608.4	1615.4	1617.7	1628.2	1614.2	1589.8	1573.5	1563.0	1570.0
17.5°	1609.5	1611.9	1618.9	1630.5	1638.6	1649.1	1631.6	1600.2	1578.1	1563.0	1570.0
20°	1620.0	1623.5	1635.1	1653.7	1671.2	1689.8	1667.7	1624.7	1595.6	1577.0	1582.8
22.5°	1649.1	1652.6	1668.9	1693.3	1722.4	1745.6	1718.9	1664.2	1624.7	1600.2	1606.1
25°	1708.4	1711.9	1732.8	1764.2	1801.4	1831.7	1797.9	1729.3	1678.2	1650.3	1652.6
27.5°	1801.4	1804.9	1829.3	1873.5	1923.5	1966.6	1917.7	1837.5	1779.3	1746.8	1746.8
30°	1918.9	1923.5	1956.1	2015.4	2093.3	2150.3	2084.0	1986.3	1911.9	1867.7	1868.9
32.5°	2070.1	2065.4	2112.0	2193.4	2303.8	2379.4	2281.7	2163.1	2071.2	2009.6	2015.4
35°	2264.3	2263.1	2315.5	2426.0	2570.2	2660.9	2544.6	2391.1	2280.6	2217.8	2218.9
37.5°	2514.3	2513.2	2573.6	2693.4	2866.7	2942.3	2812.1	2656.2	2537.6	2477.1	2484.1
40°	2807.4	2800.4	2853.9	2969.1	3142.3	3191.2	3049.3	2923.7	2809.7	2771.4	2790.0
42.5°	3086.5	3071.4	3102.8	3207.5	3341.2	3348.2	3241.2	3155.1	3077.2	3047.0	3058.6
45°	3311.0	3299.3	3328.4	3388.9	3465.6	3430.8	3379.6	3352.8	3290.0	3257.5	3267.9
47.5°	3478.4	3478.4	3513.3	3550.5	3562.2	3498.2	3506.3	3506.3	3443.5	3392.4	3379.6
50°	3622.6	3633.1	3685.4	3723.8	3685.4	3604.0	3650.6	3641.3	3513.3	3411.0	3384.2
52.5°	3852.9	3863.4	3943.6	3996.0	3952.9	3872.7	3878.5	3762.2	3573.8	3452.9	3411.0
55°	4097.1	4122.7	4239.0	4378.6	4379.7	4297.2	4143.7	3937.8	3708.7	3577.3	3534.3
57.5°	3777.3	3812.2	3985.5	4321.6	4564.7	4507.7	4141.3	3779.6	3470.3	3291.2	3266.8
60°	2599.2	2659.7	2833.0	3292.4	3761.0	3783.1	3350.5	2944.6	2589.9	2369.0	2373.6
62.5°	1097.8	1159.5	1257.2	1635.1	2065.4	2092.2	1882.8	1592.1	1302.5	1143.2	1167.6
65°	258.2	275.6	304.7	452.4	655.9	686.2	632.7	493.1	364.0	308.2	314.0
67.5°	112.8	115.1	109.3	116.3	144.2	147.7	143.0	125.6	118.6	120.9	120.9
70°	79.1	80.2	75.6	72.1	68.6	64.0	66.3	73.3	79.1	83.7	82.6
72.5°	48.8	50.0	51.2	51.2	47.7	43.0	45.4	50.0	51.2	52.3	51.2
75°	24.4	25.6	27.9	29.1	27.9	26.7	26.7	27.9	27.9	26.7	26.7
77.5°	4.7	5.8	8.1	9.3	9.3	9.3	9.3	9.3	10.5	9.3	9.3
80°	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
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)