

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: P634335

Luminaire Tested: GWS-SA3B-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

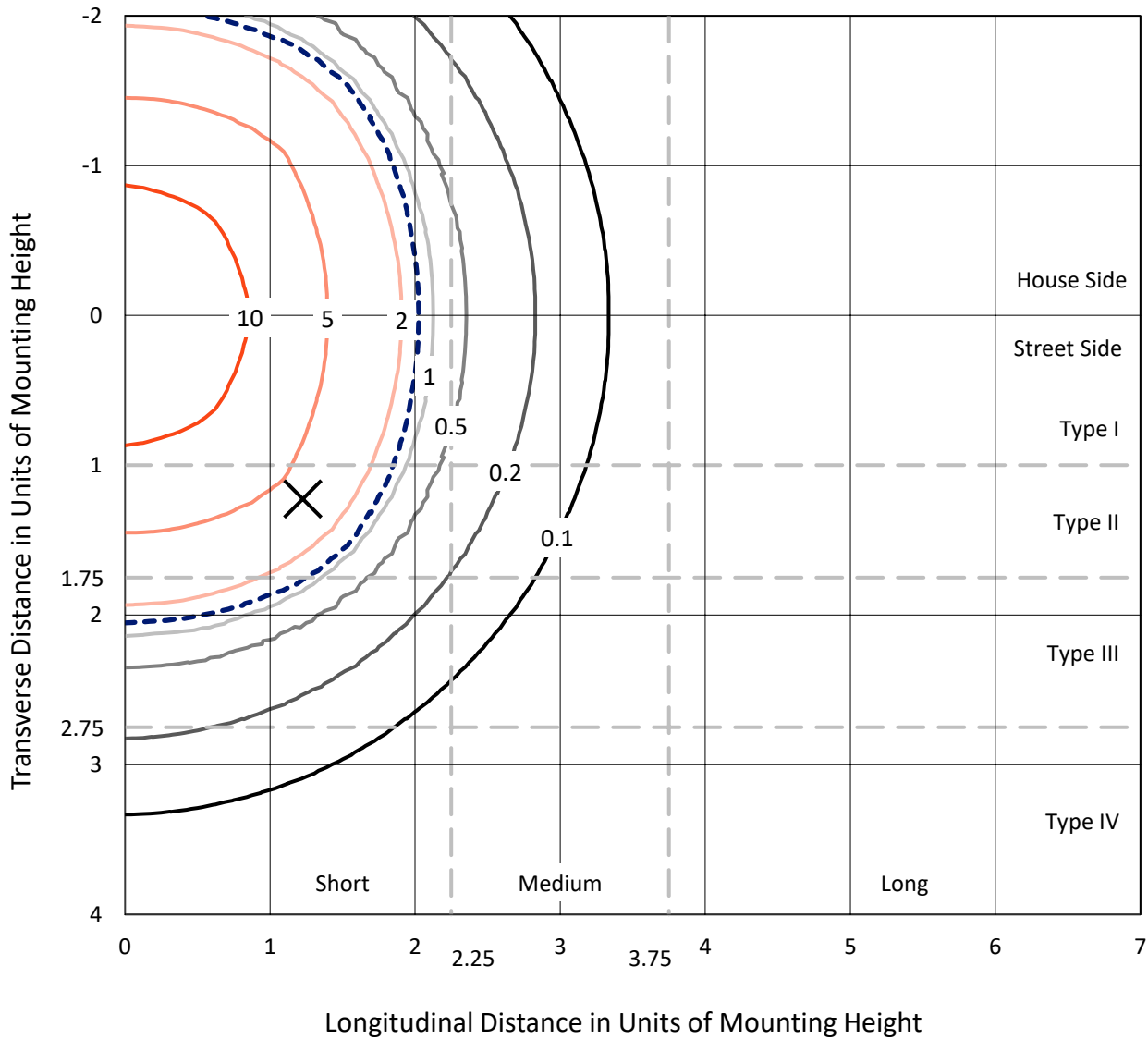
Lumens per Lamp: N/A  
Luminaire Lumens: 8985.8 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

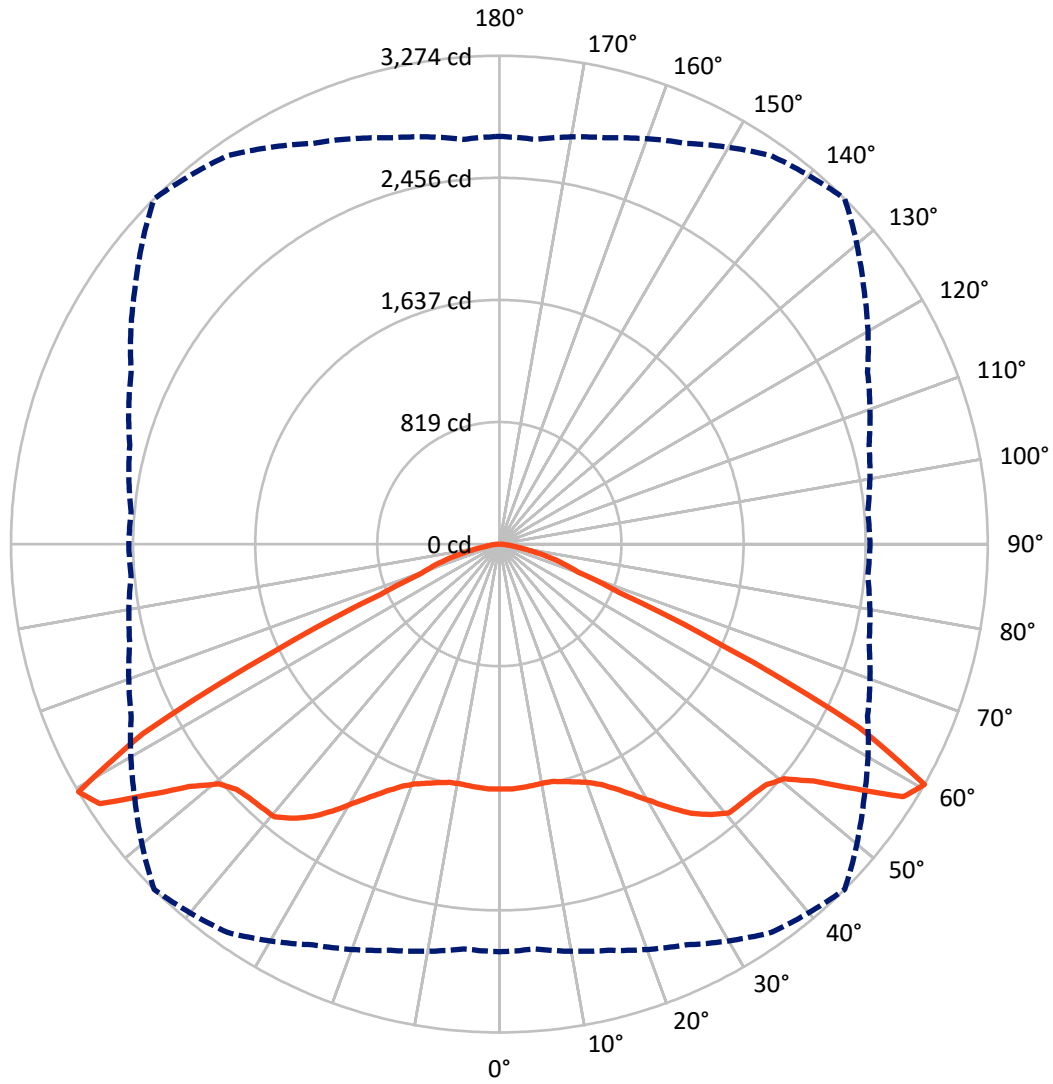
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4492.9	0.0	4492.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4492.9	0.0	4492.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8985.8	0.0	8985.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.7	1.7
10°-20°	468.4	5.2
20°-30°	828.7	9.2
30°-40°	1334.3	14.8
40°-50°	1833.9	20.4
50°-60°	2443.9	27.2
60°-70°	1523.1	17.0
70°-80°	350.2	3.9
80°-90°	47.5	0.5
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°	8985.8	100.0
0°-180°	8985.8	100.0

**Coefficient of Utilization**



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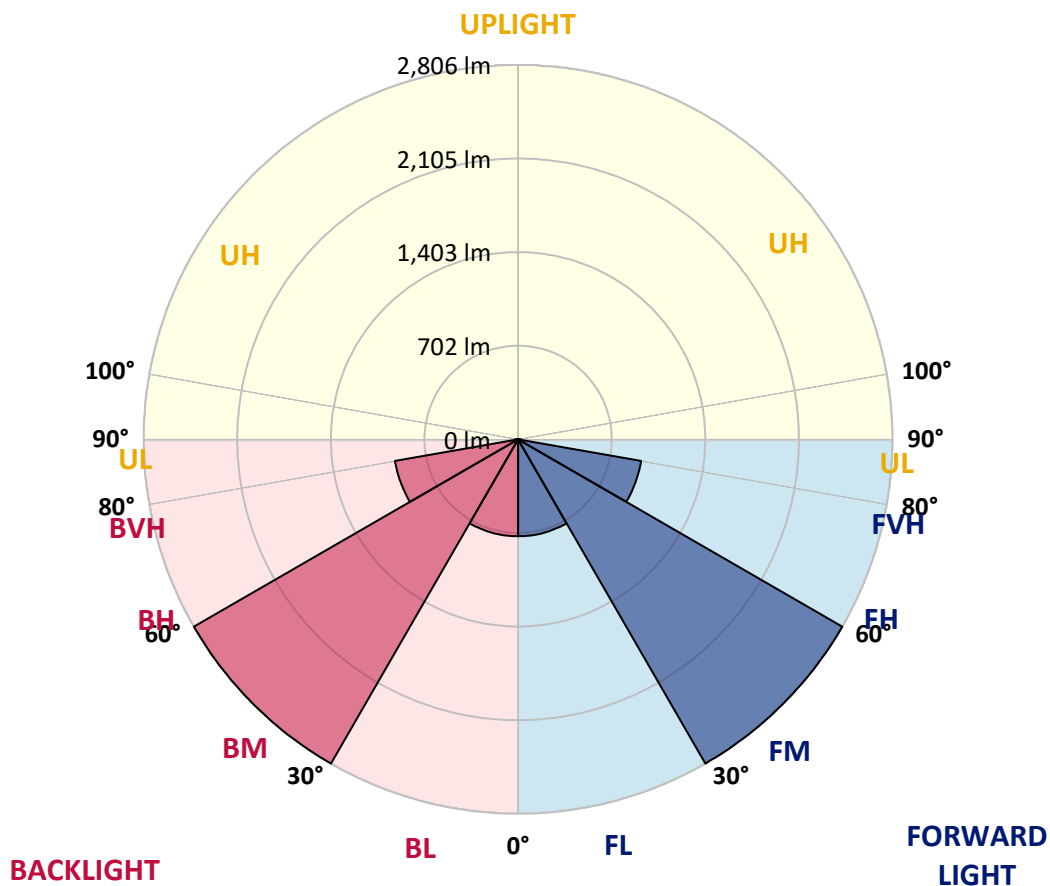
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	726.4	8.1			
FM (30°-60°)	2806.0	31.2			
FH (60°-80°)	936.7	10.4			G1/1800
FVH (80°-90°)	23.8	0.3			G1/100
BL (0°-30°)	726.4	8.1	B2/1000		
BM (30°-60°)	2806.0	31.2	B3/5000		
BH (60°-80°)	936.7	10.4	B2/1000		G1/1800
BVH (80°-90°)	23.8	0.3			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°	1642.1	1642.1	1642.1	1642.1	1642.1	1642.1	1642.1	1642.1	1642.1	1642.1	1642.1
2.5°	1630.7	1632.2	1635.3	1637.6	1640.6	1643.7	1645.2	1642.1	1640.6	1634.5	1641.4
5°	1632.2	1633.8	1636.0	1636.0	1636.8	1639.1	1639.1	1635.3	1631.5	1624.6	1632.2
7.5°	1629.9	1631.5	1632.2	1631.5	1632.2	1633.0	1631.5	1626.9	1623.1	1617.0	1623.1
10°	1626.1	1627.7	1629.2	1627.7	1626.1	1628.4	1628.4	1625.4	1623.1	1617.0	1623.8
12.5°	1634.5	1636.8	1637.6	1633.8	1632.2	1633.0	1633.0	1629.9	1629.9	1624.6	1632.2
15°	1654.3	1655.9	1653.6	1649.0	1649.8	1652.1	1646.7	1639.1	1637.6	1635.3	1641.4
17.5°	1669.6	1671.1	1668.8	1665.8	1671.1	1676.5	1666.5	1652.1	1647.5	1646.0	1652.8
20°	1686.4	1688.7	1685.6	1689.4	1700.1	1706.2	1694.0	1674.2	1665.0	1662.7	1671.1
22.5°	1713.8	1716.9	1716.9	1725.3	1741.3	1751.2	1736.0	1709.3	1695.5	1691.7	1700.1
25°	1757.3	1759.6	1761.9	1778.7	1804.6	1818.3	1793.9	1757.3	1738.2	1732.1	1736.7
27.5°	1817.6	1821.4	1825.2	1849.6	1881.6	1901.5	1866.4	1820.6	1797.0	1784.8	1793.9
30°	1889.3	1894.6	1903.8	1931.2	1976.2	1998.3	1953.3	1897.7	1871.0	1858.0	1870.2
32.5°	1986.9	1987.7	1994.5	2025.0	2084.5	2109.7	2053.2	1991.5	1964.0	1948.8	1955.6
35°	2102.8	2103.6	2092.9	2124.2	2188.3	2216.5	2150.1	2087.6	2064.7	2060.1	2077.7
37.5°	2221.8	2214.9	2204.3	2218.0	2282.8	2301.1	2231.0	2177.6	2167.7	2176.0	2202.0
40°	2306.5	2295.0	2273.7	2283.6	2349.2	2370.5	2295.8	2245.5	2242.4	2263.0	2294.3
42.5°	2361.4	2349.2	2324.0	2324.0	2369.0	2378.2	2320.2	2293.5	2300.4	2324.0	2353.8
45°	2388.1	2381.2	2366.7	2359.1	2384.3	2388.1	2343.8	2333.2	2346.1	2357.6	2380.5
47.5°	2408.7	2408.7	2404.1	2396.5	2407.9	2410.2	2377.4	2374.4	2391.1	2391.1	2406.4
50°	2445.3	2449.1	2455.2	2453.7	2465.9	2473.5	2449.1	2444.5	2451.4	2429.3	2436.9
52.5°	2541.4	2551.3	2568.9	2582.6	2613.9	2637.5	2594.0	2557.4	2521.6	2472.7	2474.3
55°	2713.8	2718.3	2752.7	2793.1	2845.7	2893.8	2804.5	2690.9	2613.1	2555.9	2556.6
57.5°	2859.4	2866.3	2916.7	3001.3	3119.5	3194.3	2996.7	2806.8	2697.0	2626.8	2629.1
60°	2733.6	2724.4	2819.8	2964.7	3179.0	3274.4	2983.0	2723.7	2565.8	2478.8	2485.0
62.5°	2115.0	2097.5	2203.5	2355.3	2612.3	2707.7	2439.2	2190.5	2041.0	1973.2	1963.2
65°	1287.5	1271.5	1347.7	1440.8	1614.7	1674.9	1552.1	1420.2	1289.8	1248.6	1237.1
67.5°	700.9	698.7	719.2	765.0	841.3	869.5	845.9	783.3	749.8	720.8	720.8
70°	556.0	551.4	547.6	548.4	555.3	559.1	559.8	556.8	560.6	561.4	558.3
72.5°	460.7	459.2	451.5	452.3	449.2	447.7	453.1	456.1	462.2	463.0	463.0
75°	334.1	330.3	334.1	334.8	331.8	331.8	335.6	334.8	337.9	339.4	331.0
77.5°	189.9	189.9	195.3	201.4	205.9	205.9	209.7	209.7	213.6	212.8	211.3
80°	104.5	104.5	107.5	111.4	115.9	120.5	124.3	125.1	127.4	126.6	124.3
82.5°	59.5	60.3	61.8	64.1	68.6	72.5	76.3	77.0	79.3	79.3	77.0
85°	28.2	27.5	28.2	29.7	32.0	35.1	38.9	41.2	42.7	42.7	41.2
87.5°	5.3	6.1	5.3	6.1	6.9	9.2	10.7	12.2	14.5	15.3	13.7
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)