

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: P634224

Luminaire Tested: GWS-SA3B-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634224  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-735-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

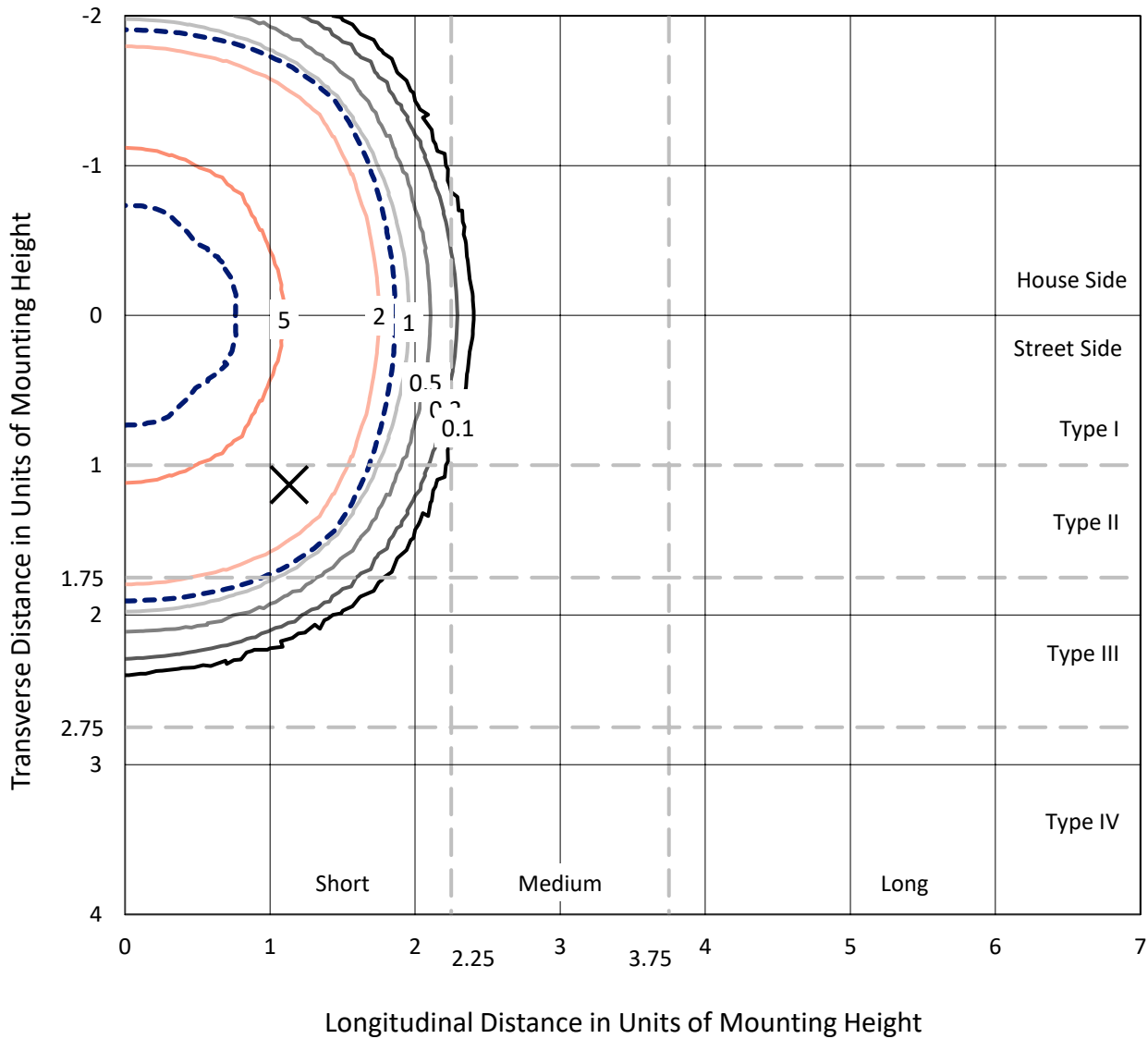
Lumens per Lamp: N/A  
Luminaire Lumens: 5398.8 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

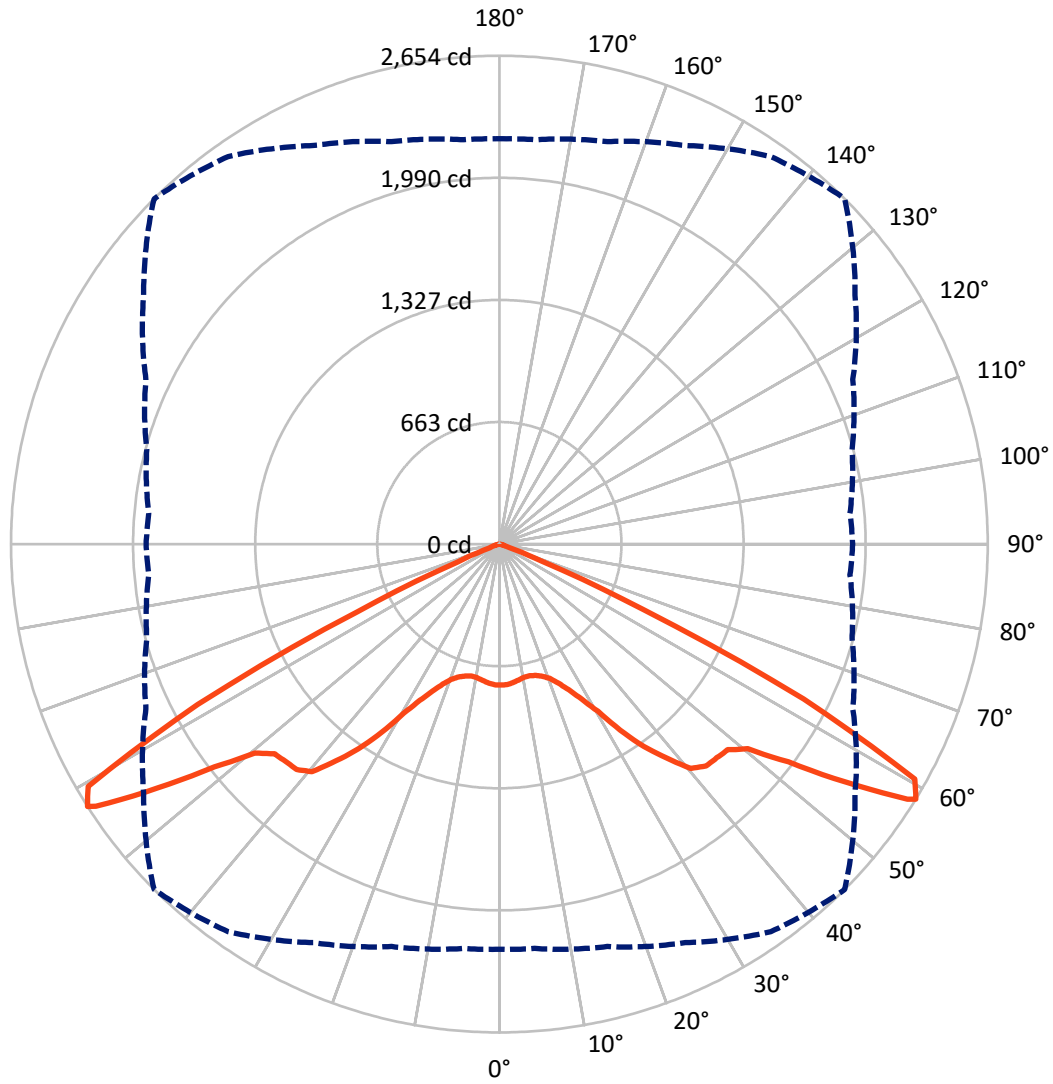
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2699.4	0.0	2699.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2699.4	0.0	2699.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5398.8	0.0	5398.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.4	1.3
10°-20°	211.4	3.9
20°-30°	399.8	7.4
30°-40°	788.4	14.6
40°-50°	1247.6	23.1
50°-60°	1834.0	34.0
60°-70°	818.6	15.2
70°-80°	27.4	0.5
80°-90°	0.2	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°	5398.8	100.0
0°-180°	5398.8	100.0

**Coefficient of Utilization**



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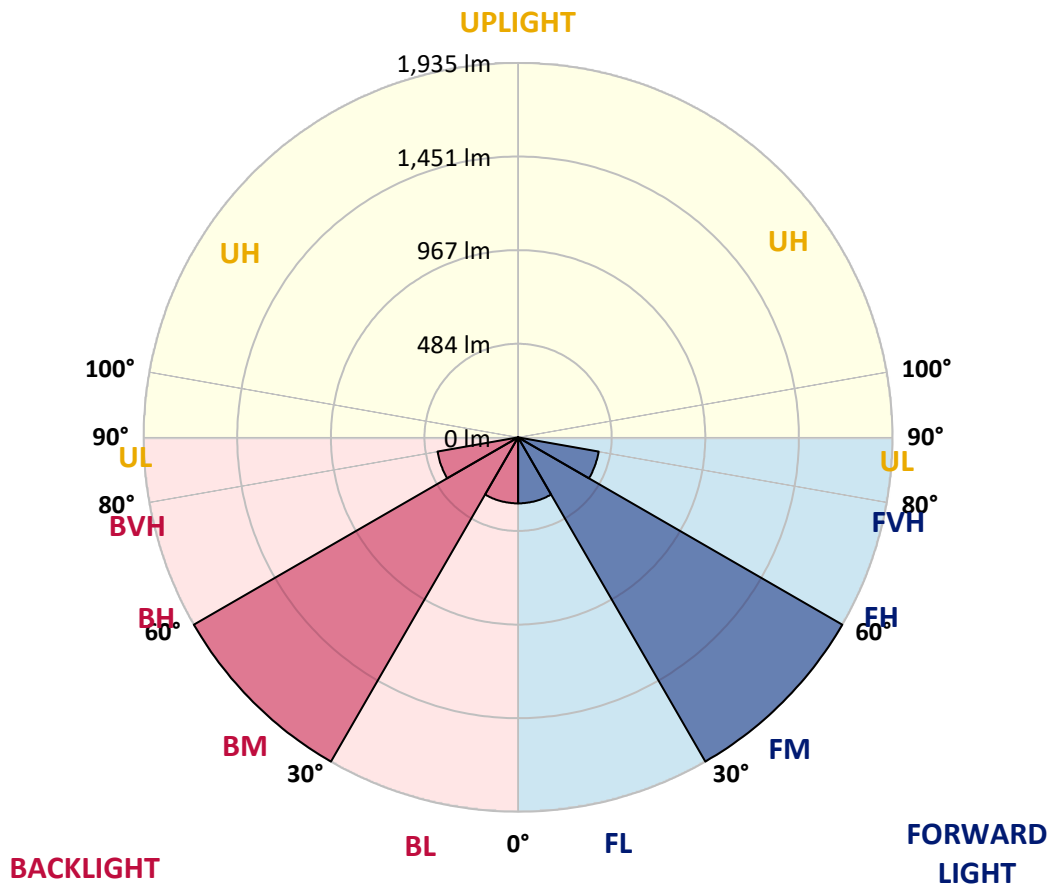
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.3	6.3			
FM (30°-60°)	1935.0	35.8			
FH (60°-80°)	423.0	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	341.3	6.3	B1/500		
BM (30°-60°)	1935.0	35.8	B2/2500		
BH (60°-80°)	423.0	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6	765.6
2.5°	758.3	759.7	761.2	761.9	762.7	764.9	765.6	763.4	763.4	759.0	764.2
5°	754.6	756.1	757.5	756.8	756.8	756.8	756.1	753.1	752.4	748.0	753.1
7.5°	748.0	749.4	749.4	747.2	745.8	745.8	745.0	741.4	740.6	736.2	741.4
10°	742.8	743.6	742.8	738.4	735.5	735.5	734.7	733.3	734.0	731.1	735.5
12.5°	745.8	746.5	743.6	737.7	734.0	733.3	731.1	728.8	731.1	730.3	734.7
15°	755.3	756.1	750.9	743.6	740.6	740.6	734.7	728.8	731.8	732.5	737.7
17.5°	767.1	767.1	760.5	753.9	754.6	754.6	745.0	734.7	735.5	738.4	743.6
20°	781.1	781.1	774.4	773.0	778.1	778.9	767.1	750.9	747.2	749.4	755.3
22.5°	806.1	806.1	800.9	804.6	816.4	820.0	802.4	779.6	770.8	772.2	778.1
25°	845.1	845.1	843.6	852.4	869.3	877.4	853.9	823.7	809.0	806.8	813.4
27.5°	910.5	911.2	909.0	922.3	943.6	953.2	920.8	881.1	863.4	859.8	866.4
30°	995.1	995.1	995.8	1014.2	1042.2	1054.7	1012.0	965.7	945.1	933.3	942.1
32.5°	1089.2	1090.7	1098.1	1128.9	1178.2	1204.0	1141.4	1076.7	1043.6	1031.1	1040.7
35°	1244.4	1230.4	1221.6	1244.4	1315.8	1349.6	1269.4	1193.7	1168.7	1167.2	1191.5
37.5°	1398.1	1390.0	1371.6	1395.2	1459.2	1474.6	1386.4	1323.1	1305.5	1315.0	1339.3
40°	1520.2	1505.5	1481.2	1503.3	1587.1	1602.6	1493.7	1431.2	1424.6	1445.9	1479.0
42.5°	1616.6	1596.0	1563.6	1568.8	1636.4	1647.4	1551.1	1504.0	1508.4	1534.9	1572.4
45°	1660.0	1643.8	1615.1	1612.9	1655.5	1656.3	1580.5	1556.2	1568.0	1588.6	1618.0
47.5°	1678.3	1671.0	1654.8	1651.1	1675.4	1669.5	1622.4	1612.1	1623.2	1629.1	1646.0
50°	1723.9	1723.9	1726.1	1729.1	1754.1	1748.2	1715.1	1703.3	1689.4	1668.8	1673.9
52.5°	1851.9	1857.1	1878.4	1901.9	1947.5	1966.6	1913.0	1844.6	1777.6	1732.8	1732.8
55°	2082.8	2088.0	2113.0	2152.7	2236.6	2282.2	2157.1	2006.4	1914.4	1853.4	1861.5
57.5°	2210.1	2216.0	2267.4	2374.8	2537.4	2614.6	2346.1	2122.6	1993.9	1924.0	1929.9
58°	2202.0	2205.7	2263.8	2389.5	2570.5	2653.6	2359.4	2118.9	1983.6	1912.2	1919.6
60°	1956.3	1951.2	2043.9	2223.3	2478.5	2593.3	2227.7	1934.3	1776.9	1704.1	1707.8
62.5°	1279.0	1281.9	1362.1	1549.6	1748.2	1856.3	1556.2	1337.8	1211.3	1167.2	1156.2
65°	533.9	524.4	573.7	678.1	797.2	857.6	736.9	623.7	545.7	516.3	524.4
67.5°	137.5	133.9	136.8	171.4	209.6	247.9	208.1	158.9	138.3	139.7	139.7
70°	78.0	73.5	59.6	55.2	53.7	53.7	53.7	53.7	61.8	72.8	75.0
72.5°	58.8	55.2	43.4	37.5	33.1	30.9	32.4	37.5	44.9	54.4	55.9
75°	29.4	29.4	26.5	25.0	22.1	20.6	21.3	23.5	27.2	30.9	30.2
77.5°	5.9	6.6	7.4	8.8	7.4	7.4	7.4	8.8	8.8	9.6	8.8
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)