

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: P631798

Luminaire Tested: GWS-SA2B-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631798  
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-SA2B-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: 4216.6 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 46.4  
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

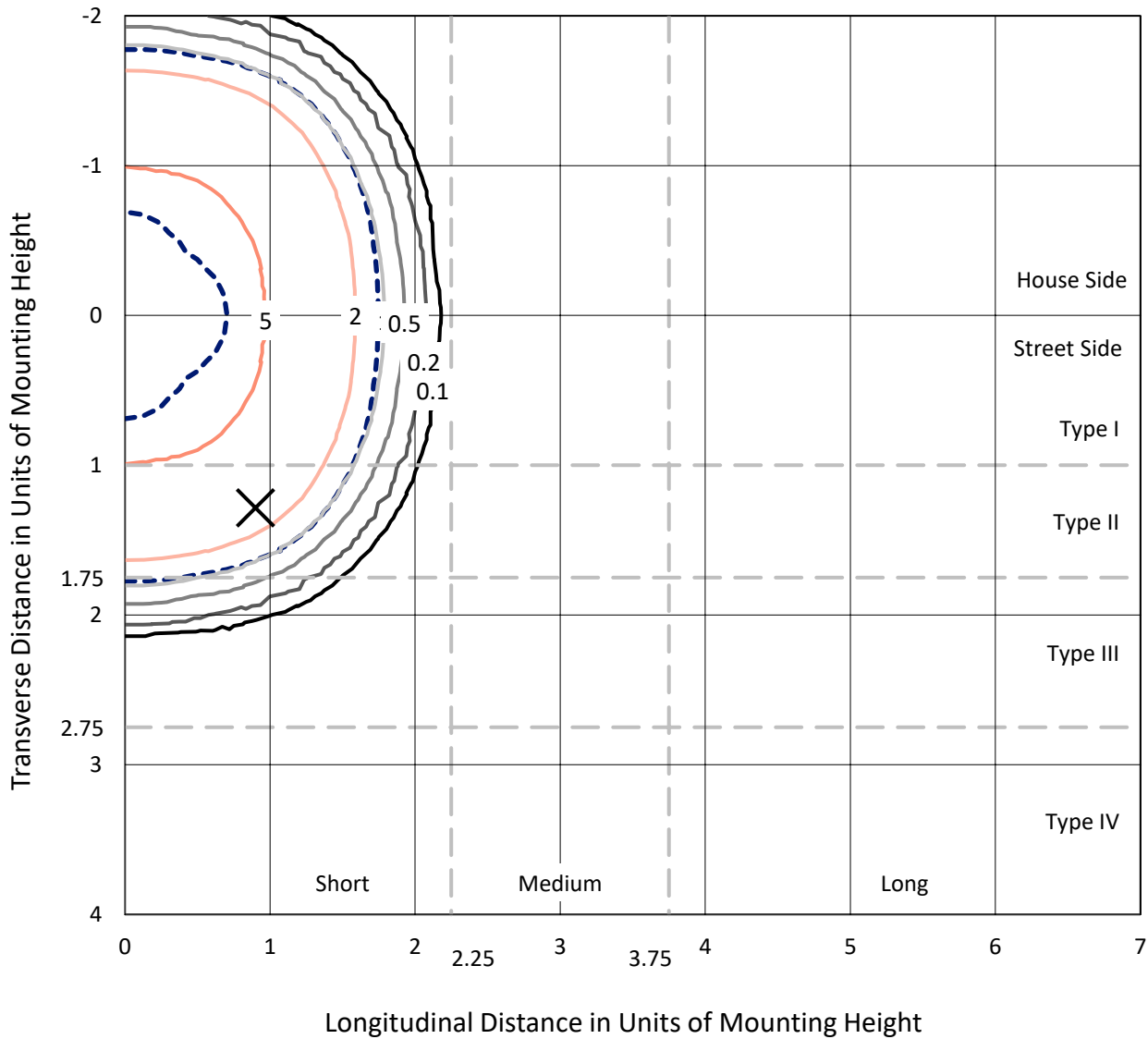


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### Iso-Footcandle Lines of Horizontal Illumination

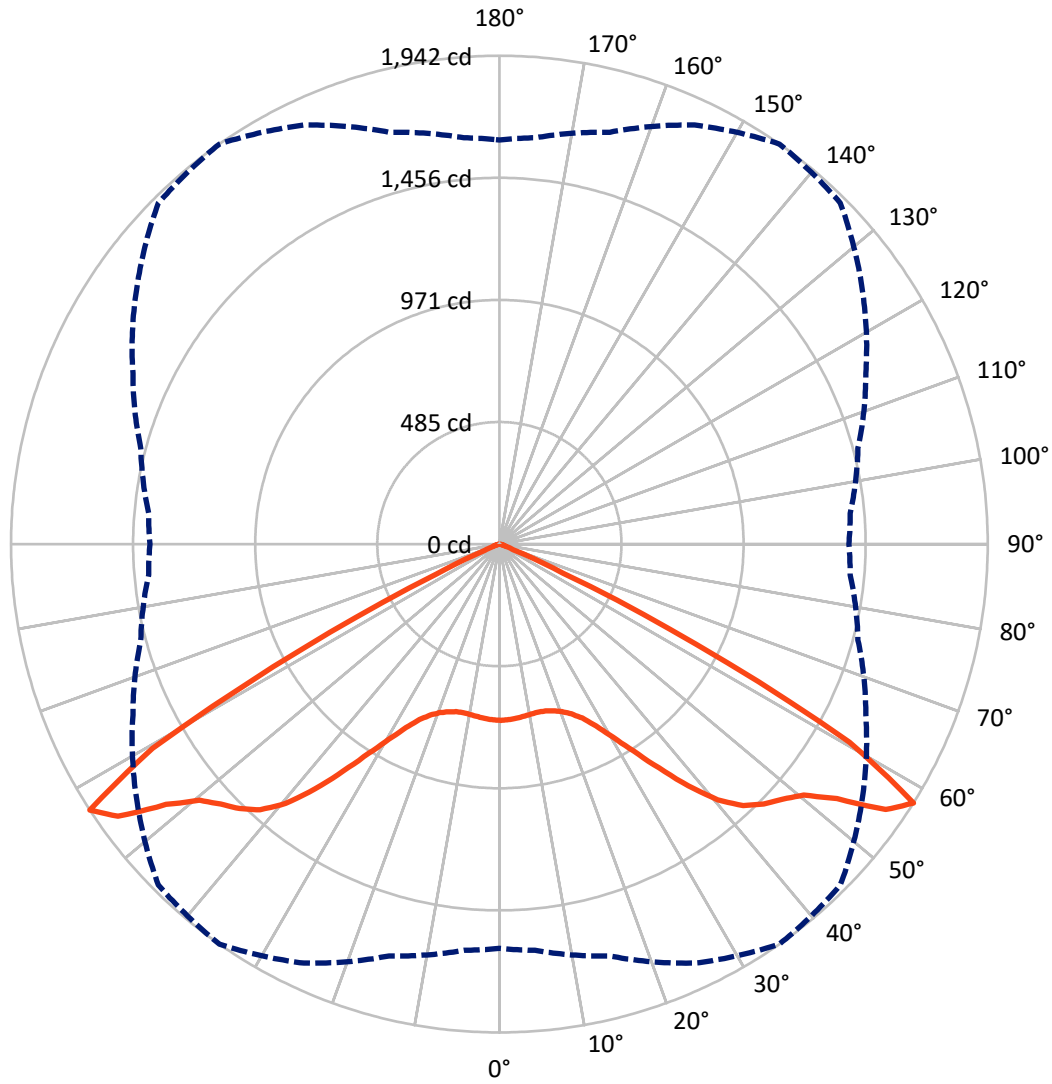
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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	2108.3	0.0	2108.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2108.3	0.0	2108.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4216.6	0.0	4216.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.0	1.6
10°-20°	194.3	4.6
20°-30°	351.2	8.3
30°-40°	655.2	15.5
40°-50°	1099.1	26.1
50°-60°	1451.4	34.4
60°-70°	385.5	9.1
70°-80°	13.7	0.3
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°	4216.6	100.0
0°-180°	4216.6	100.0

**Coefficient of Utilization**



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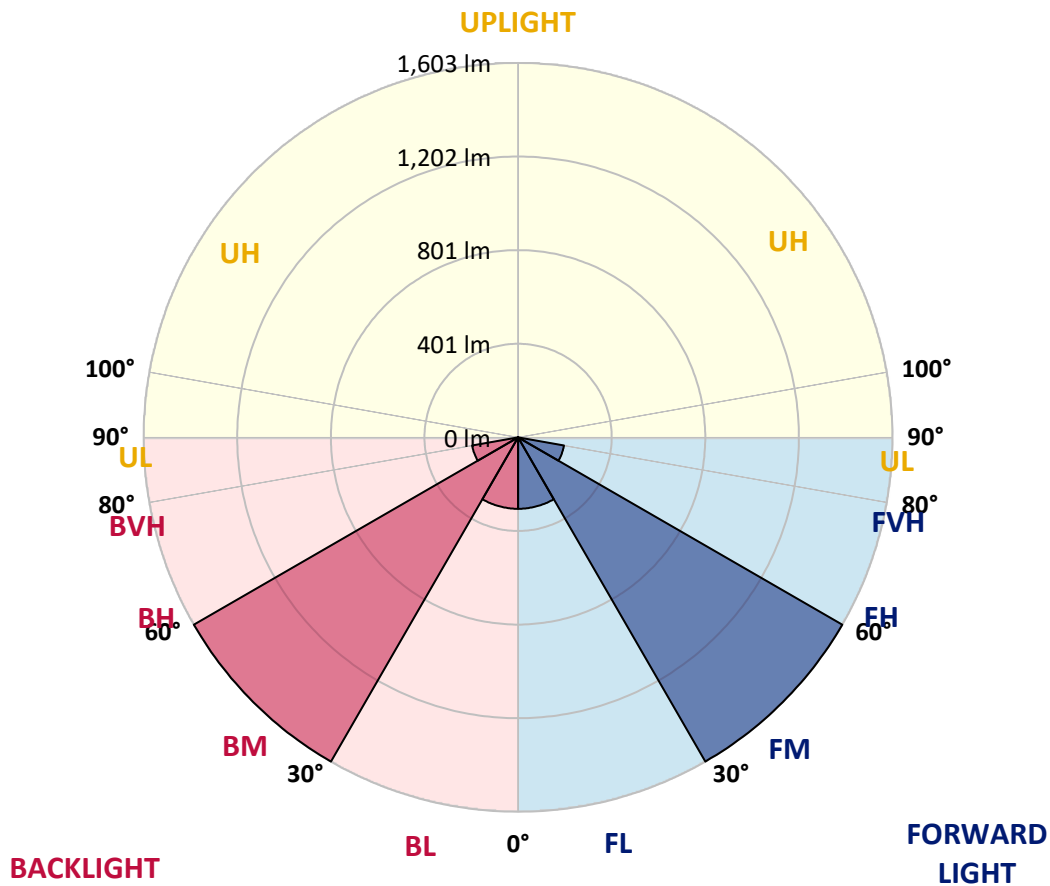
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.8	7.3			
FM (30°-60°)	1602.8	38.0			
FH (60°-80°)	199.6	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	305.8	7.3	B1/500		
BM (30°-60°)	1602.8	38.0	B2/2500		
BH (60°-80°)	199.6	4.7	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°	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0
2.5°	696.1	695.6	697.6	699.1	699.1	702.5	701.5	700.6	699.6	698.1	701.5
5°	695.1	694.6	696.1	697.1	696.1	699.1	697.1	695.1	694.1	692.1	696.1
7.5°	690.7	691.2	692.1	693.1	691.6	694.1	691.6	688.7	686.2	684.2	687.7
10°	683.7	684.2	685.2	687.2	687.2	691.2	687.7	682.2	678.8	675.8	679.3
12.5°	680.3	680.8	682.2	684.7	685.2	689.7	685.2	677.3	672.4	668.9	672.4
15°	681.3	682.2	684.2	687.2	688.2	692.6	686.7	676.3	669.4	664.9	667.9
17.5°	684.7	685.7	688.7	693.6	697.1	701.5	694.1	680.8	671.4	664.9	667.9
20°	689.2	690.7	695.6	703.5	710.9	718.9	709.5	691.2	678.8	670.9	673.3
22.5°	701.5	703.0	710.0	720.3	732.7	742.6	731.2	708.0	691.2	680.8	683.2
25°	726.8	728.3	737.2	750.5	766.4	779.2	764.9	735.7	713.9	702.0	703.0
27.5°	766.4	767.8	778.2	797.0	818.3	836.6	815.8	781.7	757.0	743.1	743.1
30°	816.3	818.3	832.2	857.4	890.5	914.8	886.6	845.0	813.4	794.6	795.0
32.5°	880.6	878.7	898.4	933.1	980.1	1012.2	970.7	920.2	881.1	854.9	857.4
35°	963.3	962.8	985.0	1032.0	1093.4	1132.0	1082.5	1017.2	970.2	943.5	944.0
37.5°	1069.6	1069.1	1094.9	1145.8	1219.5	1251.7	1196.3	1130.0	1079.5	1053.8	1056.8
40°	1194.3	1191.3	1214.1	1263.1	1336.8	1357.6	1297.2	1243.8	1195.3	1179.0	1186.9
42.5°	1313.0	1306.6	1320.0	1364.5	1421.4	1424.4	1378.8	1342.2	1309.1	1296.2	1301.2
45°	1408.5	1403.6	1415.9	1441.7	1474.3	1459.5	1437.7	1426.3	1399.6	1385.8	1390.2
47.5°	1479.8	1479.8	1494.6	1510.4	1515.4	1488.2	1491.6	1491.6	1464.9	1443.2	1437.7
50°	1541.1	1545.6	1567.8	1584.2	1567.8	1533.2	1553.0	1549.0	1494.6	1451.1	1439.7
52.5°	1639.1	1643.5	1677.7	1699.9	1681.6	1647.5	1650.0	1600.5	1520.3	1468.9	1451.1
55°	1743.0	1753.9	1803.3	1862.7	1863.2	1828.1	1762.8	1675.2	1577.7	1521.8	1503.5
57.5°	1606.9	1621.8	1695.5	1838.5	1941.9	1917.6	1761.8	1607.9	1476.3	1400.1	1389.7
60°	1105.7	1131.5	1205.2	1400.6	1600.0	1609.4	1425.3	1252.7	1101.8	1007.8	1009.8
62.5°	467.0	493.3	534.8	695.6	878.7	890.0	801.0	677.3	554.1	486.3	496.7
65°	109.8	117.3	129.6	192.5	279.0	291.9	269.1	209.8	154.9	131.1	133.6
67.5°	48.0	49.0	46.5	49.5	61.3	62.8	60.9	53.4	50.5	51.5	51.5
70°	33.6	34.1	32.2	30.7	29.2	27.2	28.2	31.2	33.6	35.6	35.1
72.5°	20.8	21.3	21.8	21.8	20.3	18.3	19.3	21.3	21.8	22.3	21.8
75°	10.4	10.9	11.9	12.4	11.9	11.4	11.4	11.9	11.9	11.4	11.4
77.5°	2.0	2.5	3.5	4.0	4.0	4.0	4.0	4.0	4.5	4.0	4.0
80°	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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)