

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: P632244

Luminaire Tested: GWS-SA2C-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632244  
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-SA2C-735-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4803.9 lumens  
Efficiency: N/A  
Efficacy: 76.0 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): 63.2  
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

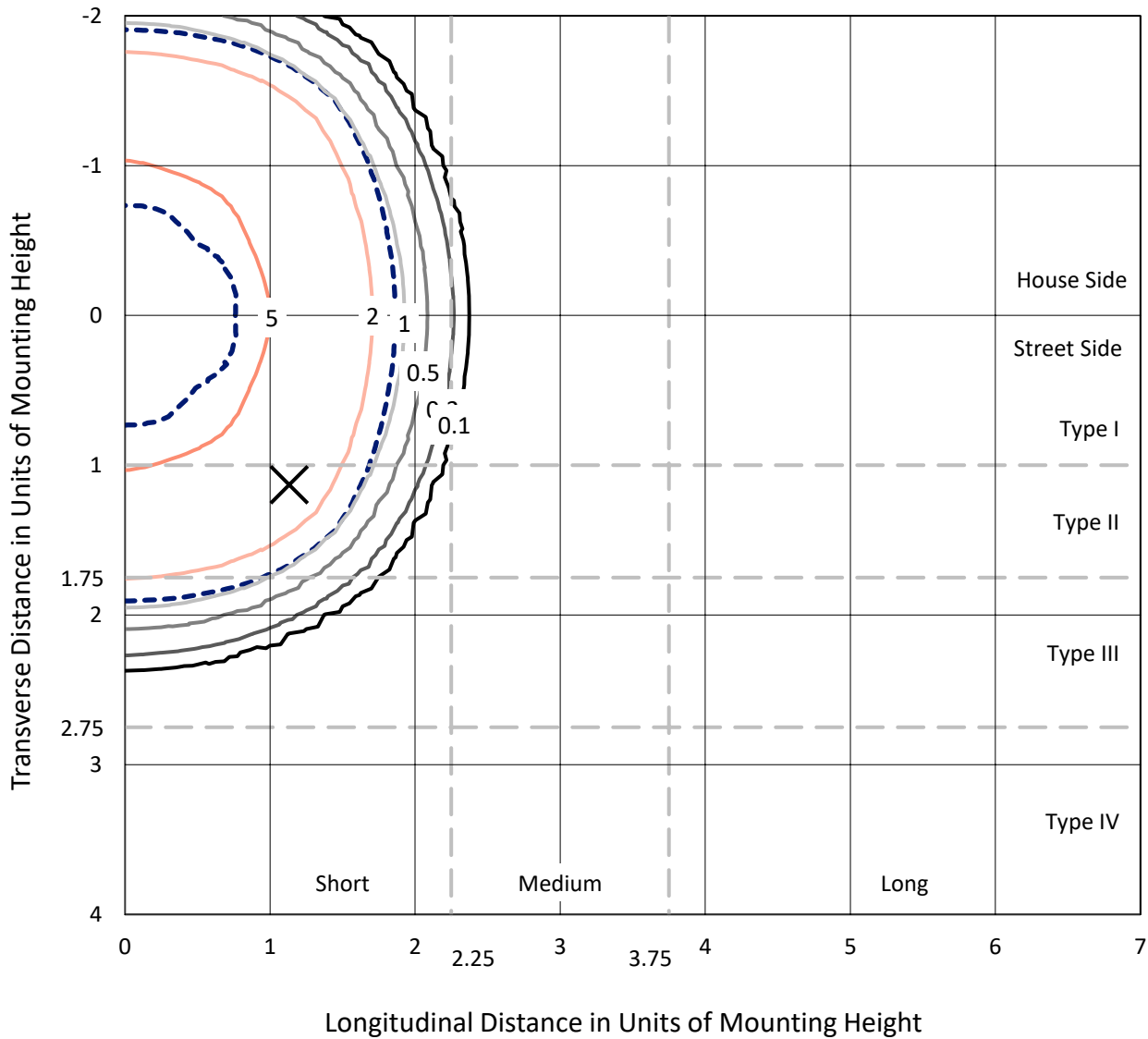


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### Iso-Footcandle Lines of Horizontal Illumination

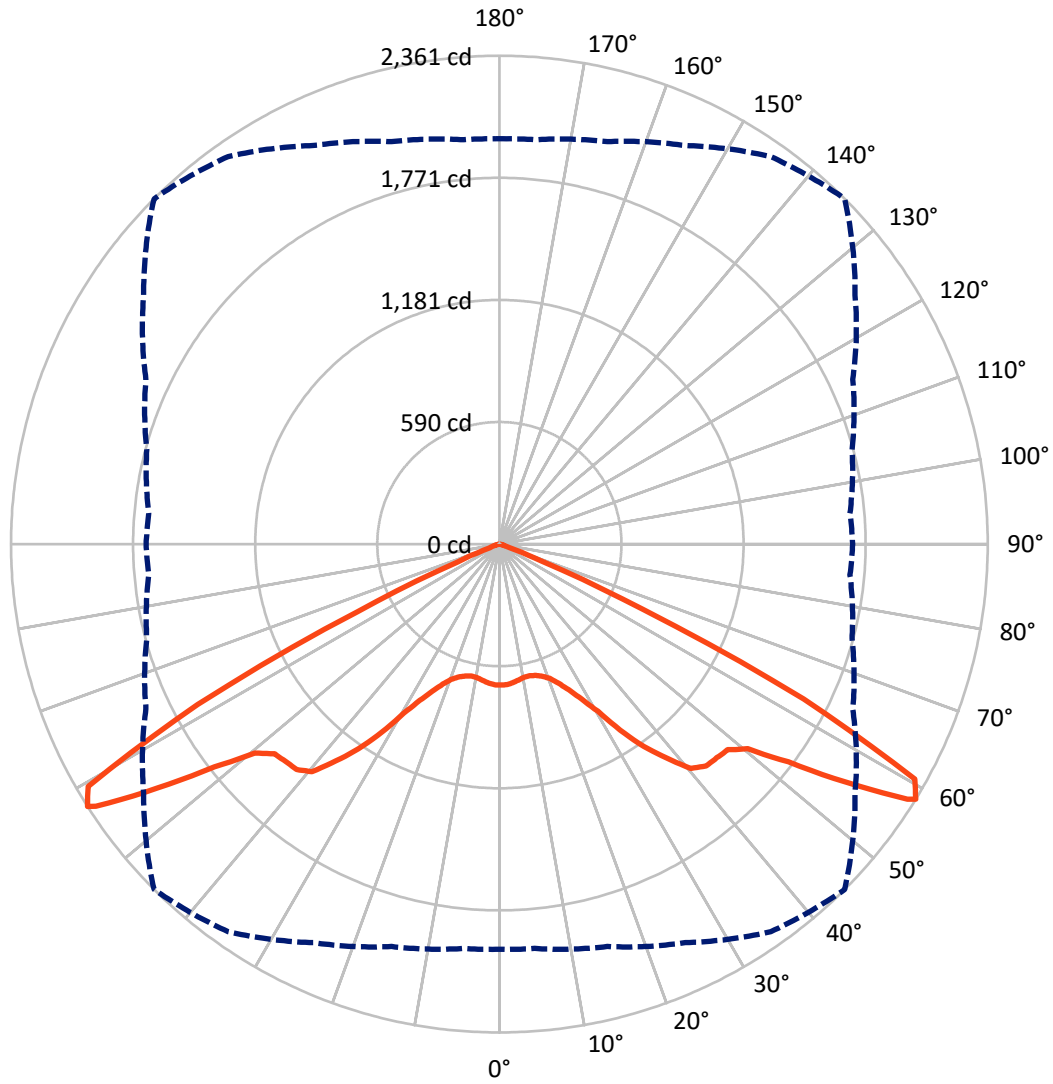
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 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	2402.0	0.0	2402.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2402.0	0.0	2402.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4803.9	0.0	4803.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.6	1.3
10°-20°	188.1	3.9
20°-30°	355.7	7.4
30°-40°	701.5	14.6
40°-50°	1110.2	23.1
50°-60°	1631.9	34.0
60°-70°	728.4	15.2
70°-80°	24.4	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°	4803.9	100.0
0°-180°	4803.9	100.0

**Coefficient of Utilization**



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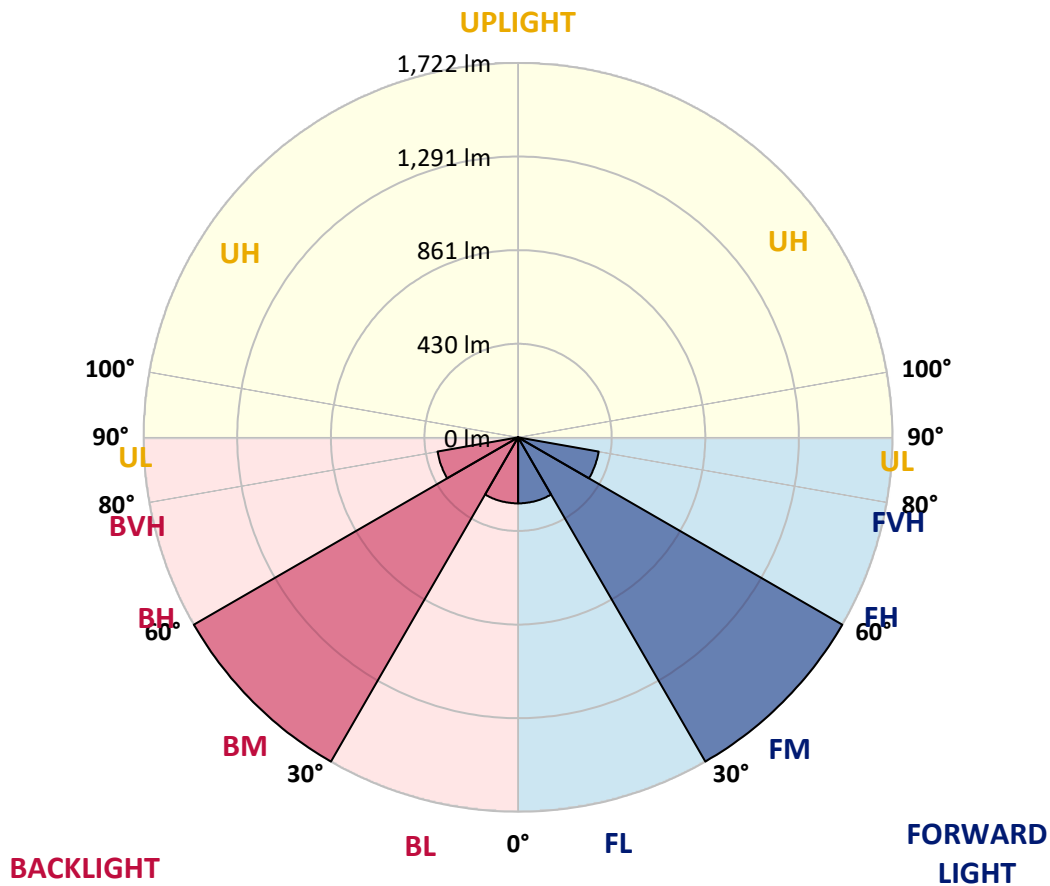
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.7	6.3			
FM (30°-60°)	1721.8	35.8			
FH (60°-80°)	376.4	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	303.7	6.3	B1/500		
BM (30°-60°)	1721.8	35.8	B2/2500		
BH (60°-80°)	376.4	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°	681.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3	681.3
2.5°	674.7	676.0	677.3	678.0	678.6	680.6	681.3	679.3	679.3	675.4	679.9
5°	671.4	672.7	674.1	673.4	673.4	673.4	672.7	670.1	669.5	665.6	670.1
7.5°	665.6	666.9	666.9	664.9	663.6	663.6	662.9	659.7	659.0	655.1	659.7
10°	661.0	661.6	661.0	657.0	654.4	654.4	653.8	652.5	653.1	650.5	654.4
12.5°	663.6	664.2	661.6	656.4	653.1	652.5	650.5	648.5	650.5	649.8	653.8
15°	672.1	672.7	668.2	661.6	659.0	659.0	653.8	648.5	651.2	651.8	656.4
17.5°	682.6	682.6	676.7	670.8	671.4	671.4	662.9	653.8	654.4	657.0	661.6
20°	695.0	695.0	689.1	687.8	692.4	693.0	682.6	668.2	664.9	666.9	672.1
22.5°	717.3	717.3	712.7	715.9	726.4	729.7	714.0	693.7	685.8	687.1	692.4
25°	751.9	751.9	750.6	758.5	773.5	780.7	759.8	733.0	719.9	717.9	723.8
27.5°	810.2	810.8	808.9	820.6	839.6	848.1	819.3	784.0	768.3	765.0	770.9
30°	885.4	885.4	886.1	902.5	927.3	938.4	900.5	859.3	840.9	830.5	838.3
32.5°	969.2	970.5	977.1	1004.5	1048.4	1071.3	1015.7	958.1	928.6	917.5	926.0
35°	1107.3	1094.9	1087.0	1107.3	1170.8	1200.9	1129.5	1062.1	1039.9	1038.6	1060.2
37.5°	1244.1	1236.9	1220.5	1241.4	1298.4	1312.1	1233.6	1177.3	1161.6	1170.1	1191.7
40°	1352.7	1339.6	1318.0	1337.6	1412.3	1426.0	1329.1	1273.5	1267.6	1286.6	1316.0
42.5°	1438.4	1420.1	1391.3	1395.9	1456.1	1465.9	1380.2	1338.3	1342.2	1365.8	1399.2
45°	1477.0	1462.6	1437.1	1435.2	1473.1	1473.8	1406.4	1384.8	1395.2	1413.6	1439.7
47.5°	1493.4	1486.9	1472.5	1469.2	1490.8	1485.5	1443.7	1434.5	1444.3	1449.6	1464.6
50°	1534.0	1534.0	1535.9	1538.6	1560.8	1555.6	1526.1	1515.6	1503.2	1484.9	1489.5
52.5°	1647.8	1652.4	1671.4	1692.3	1732.9	1749.9	1702.2	1641.3	1581.7	1541.8	1541.8
55°	1853.3	1857.9	1880.2	1915.5	1990.1	2030.7	1919.4	1785.3	1703.5	1649.2	1656.4
57.5°	1966.5	1971.8	2017.6	2113.1	2257.8	2326.5	2087.6	1888.7	1774.1	1712.0	1717.2
58°	1959.4	1962.6	2014.3	2126.2	2287.2	2361.2	2099.4	1885.4	1765.0	1701.5	1708.1
60°	1740.8	1736.2	1818.6	1978.3	2205.4	2307.5	1982.3	1721.1	1581.1	1516.3	1519.6
62.5°	1138.0	1140.7	1212.0	1378.9	1555.6	1651.8	1384.8	1190.4	1077.8	1038.6	1028.8
65°	475.1	466.6	510.5	603.4	709.4	763.1	655.7	555.0	485.6	459.4	466.6
67.5°	122.4	119.1	121.7	152.5	186.5	220.5	185.2	141.4	123.0	124.3	124.3
70°	69.4	65.4	53.0	49.1	47.8	47.8	47.8	47.8	55.0	64.8	66.8
72.5°	52.4	49.1	38.6	33.4	29.4	27.5	28.8	33.4	39.9	48.4	49.7
75°	26.2	26.2	23.6	22.3	19.6	18.3	19.0	20.9	24.2	27.5	26.8
77.5°	5.2	5.9	6.5	7.9	6.5	6.5	6.5	7.9	7.9	8.5	7.9
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)