

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: P631583

Luminaire Tested: GWS-SA2B-722-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631583  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-722-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

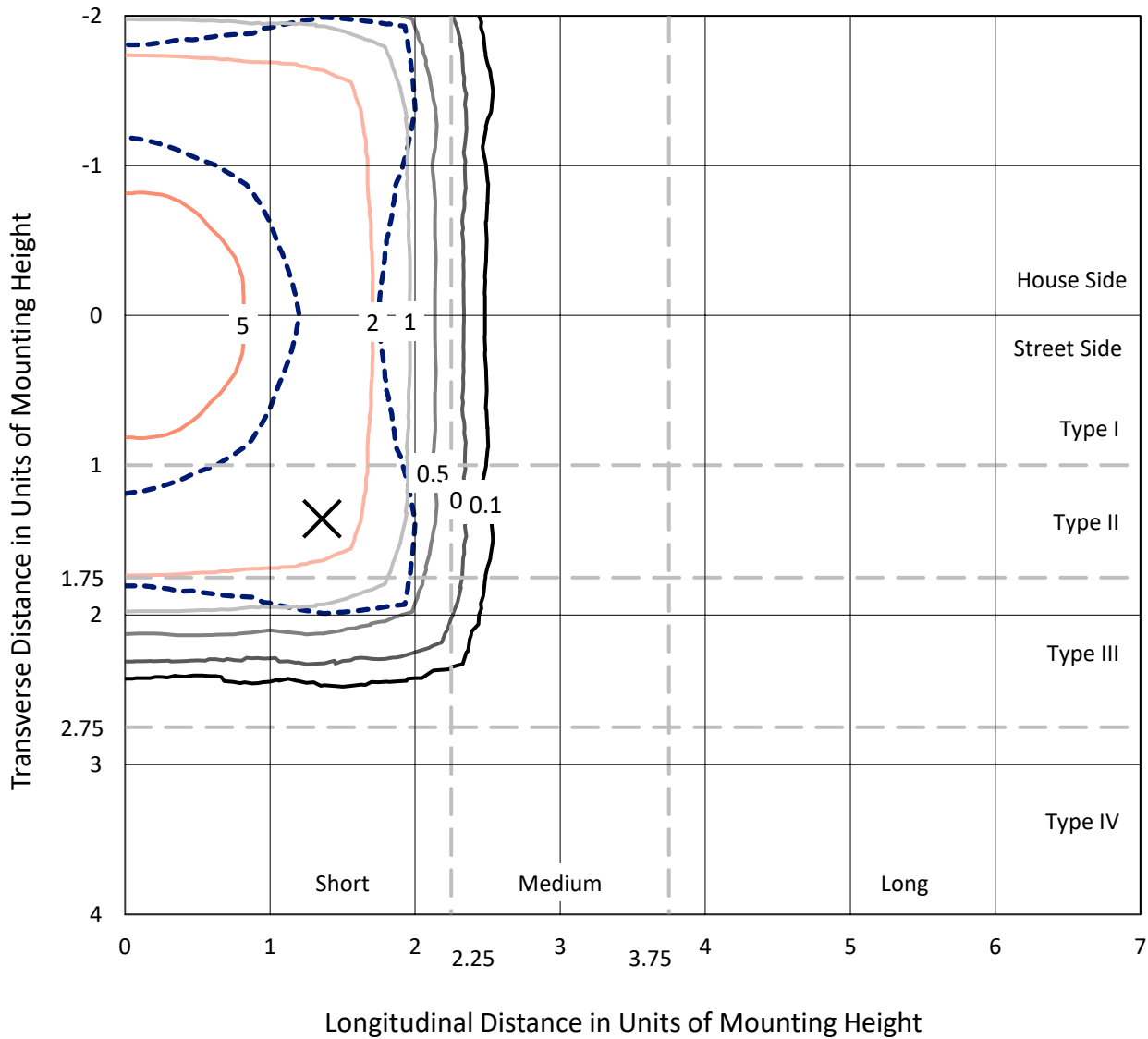
Lumens per Lamp: N/A  
Luminaire Lumens: 5313.2 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

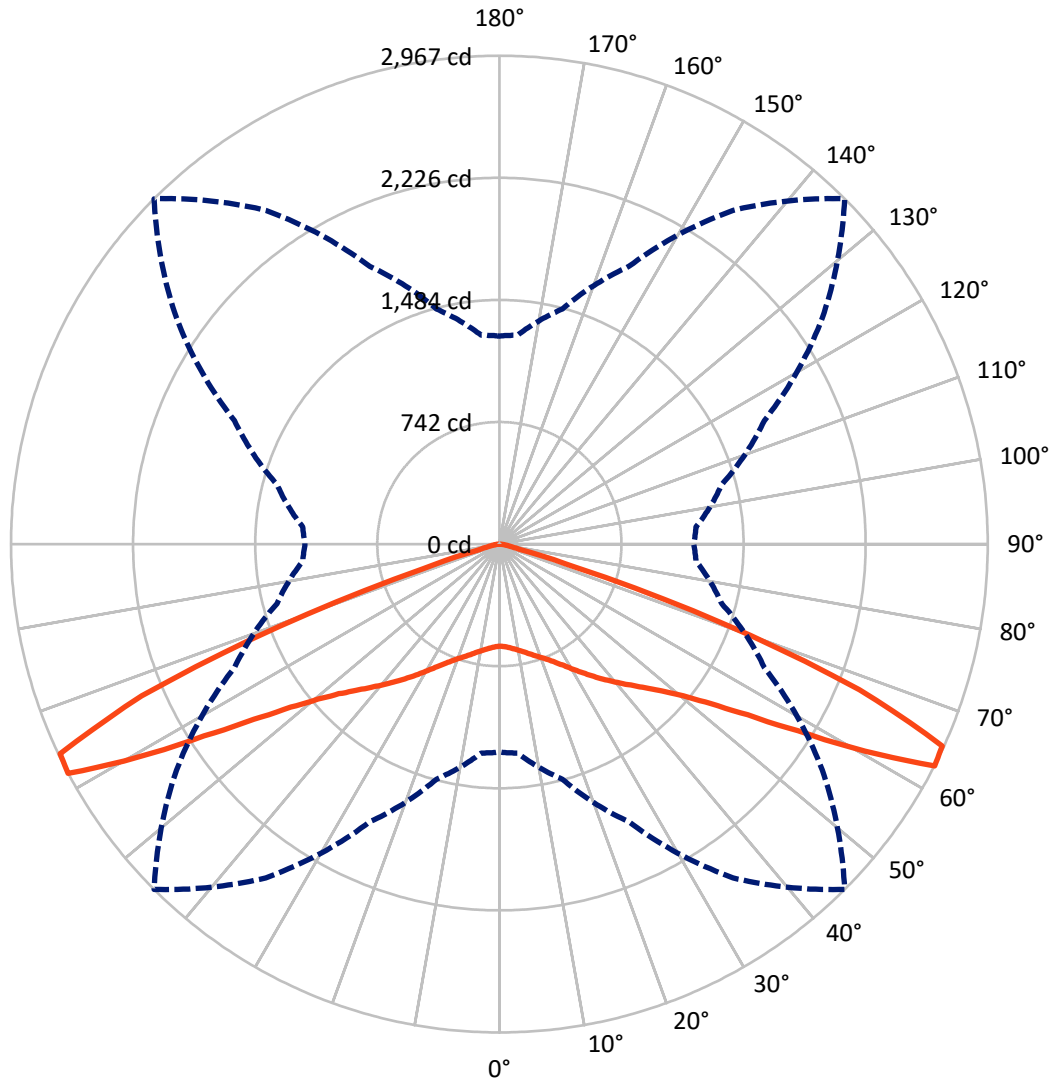
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2656.6	0.0	2656.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2656.6	0.0	2656.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5313.2	0.0	5313.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.8	1.1
10°-20°	196.1	3.7
20°-30°	371.0	7.0
30°-40°	624.5	11.8
40°-50°	997.8	18.8
50°-60°	1608.4	30.3
60°-70°	1312.3	24.7
70°-80°	127.4	2.4
80°-90°	14.8	0.3
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°	5313.2	100.0
0°-180°	5313.2	100.0

**Coefficient of Utilization**



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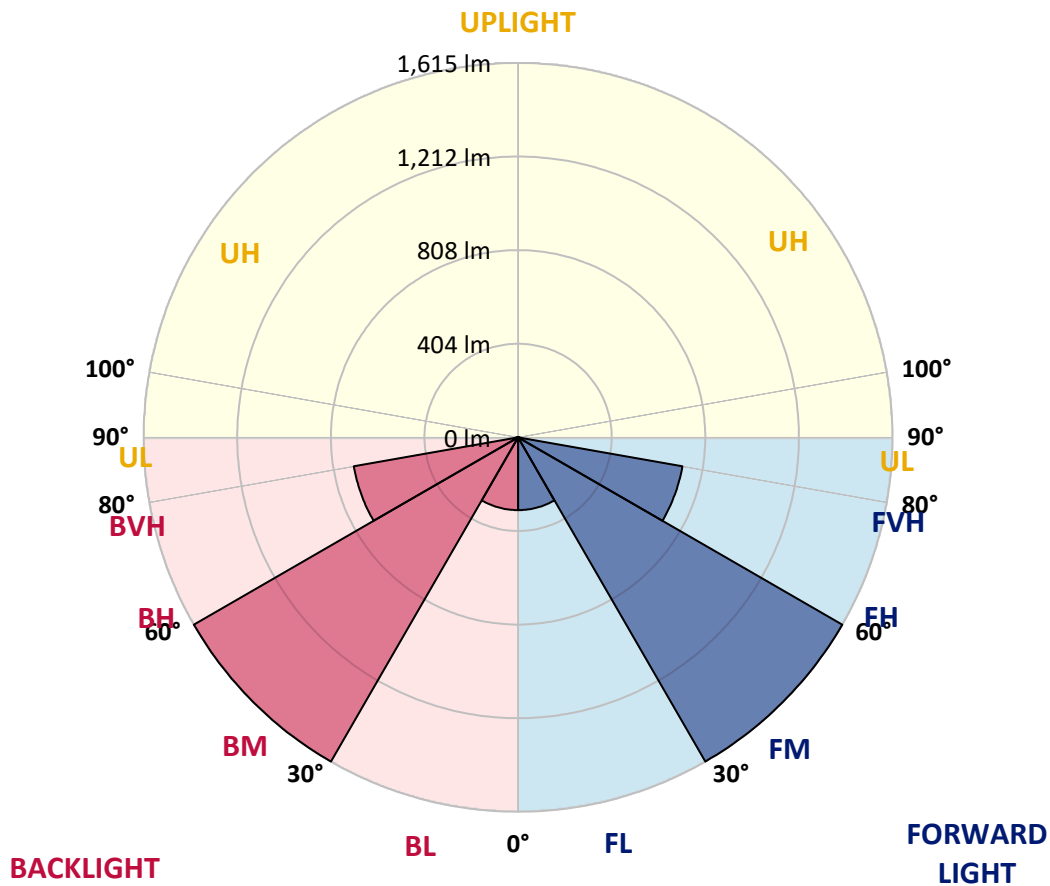
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.0	5.9			
FM (30°-60°)	1615.3	30.4			
FH (60°-80°)	719.8	13.5			G1/1800
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	314.0	5.9	B1/500		
BM (30°-60°)	1615.3	30.4	B2/2500		
BH (60°-80°)	719.8	13.5	B2/1000		G1/1800
BVH (80°-90°)	7.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	619.9	619.9	619.9	619.9	619.9	619.9	619.9	619.9	619.9	619.9	619.9
2.5°	619.1	619.1	620.6	621.7	620.9	623.9	623.5	622.8	622.4	621.3	624.6
5°	627.5	627.5	628.6	629.7	627.9	631.5	630.1	629.3	629.0	627.5	630.4
7.5°	637.0	638.1	638.4	640.3	639.2	643.2	642.1	640.6	639.9	638.1	640.6
10°	647.6	648.3	648.6	651.9	652.3	657.0	655.9	654.1	652.7	650.8	654.5
12.5°	661.8	662.1	663.2	667.2	668.3	672.0	671.6	669.1	667.2	664.7	668.7
15°	680.0	680.3	682.2	686.2	688.0	692.4	690.9	686.9	684.4	681.4	684.7
17.5°	698.9	700.4	702.2	706.2	708.8	713.9	712.1	707.7	705.5	702.6	704.8
20°	723.3	723.7	724.8	729.2	731.0	736.8	737.2	732.8	731.7	728.8	732.1
22.5°	750.3	750.7	751.8	756.5	759.8	763.4	765.6	763.1	761.2	757.6	761.6
25°	780.2	783.8	784.9	790.8	794.4	796.6	799.1	798.1	795.5	791.1	792.9
27.5°	822.1	822.8	824.7	831.2	833.4	835.6	838.1	838.5	834.9	829.8	832.3
30°	869.8	869.5	873.5	878.6	880.4	882.2	885.9	888.1	883.3	877.9	880.4
32.5°	918.7	923.0	928.1	932.9	931.8	932.5	938.3	942.4	935.8	926.0	928.1
35°	973.7	976.6	983.2	990.1	988.6	987.5	991.2	995.2	986.1	973.3	976.6
37.5°	1030.2	1034.6	1044.4	1052.8	1050.6	1045.5	1049.5	1053.9	1045.1	1030.5	1029.1
40°	1093.2	1100.1	1114.4	1121.3	1115.5	1105.6	1112.5	1123.1	1114.4	1097.6	1093.6
42.5°	1167.2	1175.6	1189.8	1200.4	1187.6	1171.6	1183.2	1198.5	1196.3	1174.1	1167.2
45°	1258.7	1264.1	1281.6	1286.7	1267.8	1245.5	1266.7	1290.0	1284.5	1260.5	1251.4
47.5°	1358.1	1366.5	1381.8	1391.3	1360.7	1333.0	1362.5	1393.9	1388.0	1365.4	1354.9
50°	1485.0	1495.9	1515.9	1524.0	1481.7	1450.0	1487.9	1527.6	1516.3	1486.1	1472.2
52.5°	1623.1	1631.8	1666.1	1682.1	1642.4	1608.1	1641.3	1680.3	1656.2	1616.1	1597.6
55°	1744.8	1753.5	1803.8	1857.0	1855.2	1831.5	1848.3	1849.0	1783.8	1717.5	1697.8
57.5°	1771.0	1779.8	1875.6	2014.8	2113.2	2140.5	2091.3	1987.8	1823.5	1707.2	1685.0
60°	1631.1	1640.9	1793.2	2047.6	2371.2	2553.8	2327.1	1984.9	1700.7	1543.3	1522.1
62.5°	1263.8	1274.3	1479.1	1861.0	2475.4	2967.4	2395.6	1776.1	1399.0	1199.6	1181.0
65°	603.5	603.5	863.6	1334.8	2267.7	2957.5	2197.4	1314.1	842.1	646.8	630.8
67.5°	149.4	150.1	222.3	519.6	1542.5	2360.3	1567.7	630.8	296.6	209.9	204.4
70°	93.3	92.9	103.1	140.7	539.7	1432.5	641.0	190.2	120.6	106.4	105.7
72.5°	72.5	72.5	77.6	90.0	141.4	487.9	186.9	105.7	87.5	78.7	78.7
75°	57.2	57.2	60.9	67.4	83.4	125.7	99.5	78.3	67.8	61.9	61.2
77.5°	42.6	43.4	46.3	50.7	56.8	70.7	63.0	59.0	52.8	48.5	47.0
80°	27.7	28.8	32.4	35.0	37.2	46.6	41.2	43.0	40.1	35.0	34.3
82.5°	14.9	15.3	19.7	20.4	21.1	25.5	26.2	27.3	28.4	22.2	20.8
85°	5.5	5.5	6.6	7.7	8.4	9.1	12.4	15.3	16.0	12.8	12.4
87.5°	1.1	1.1	1.1	0.7	0.7	0.7	2.2	4.0	6.6	5.1	5.1
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)