

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: P631086

Luminaire Tested: GWS-SA1F-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1F-722-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

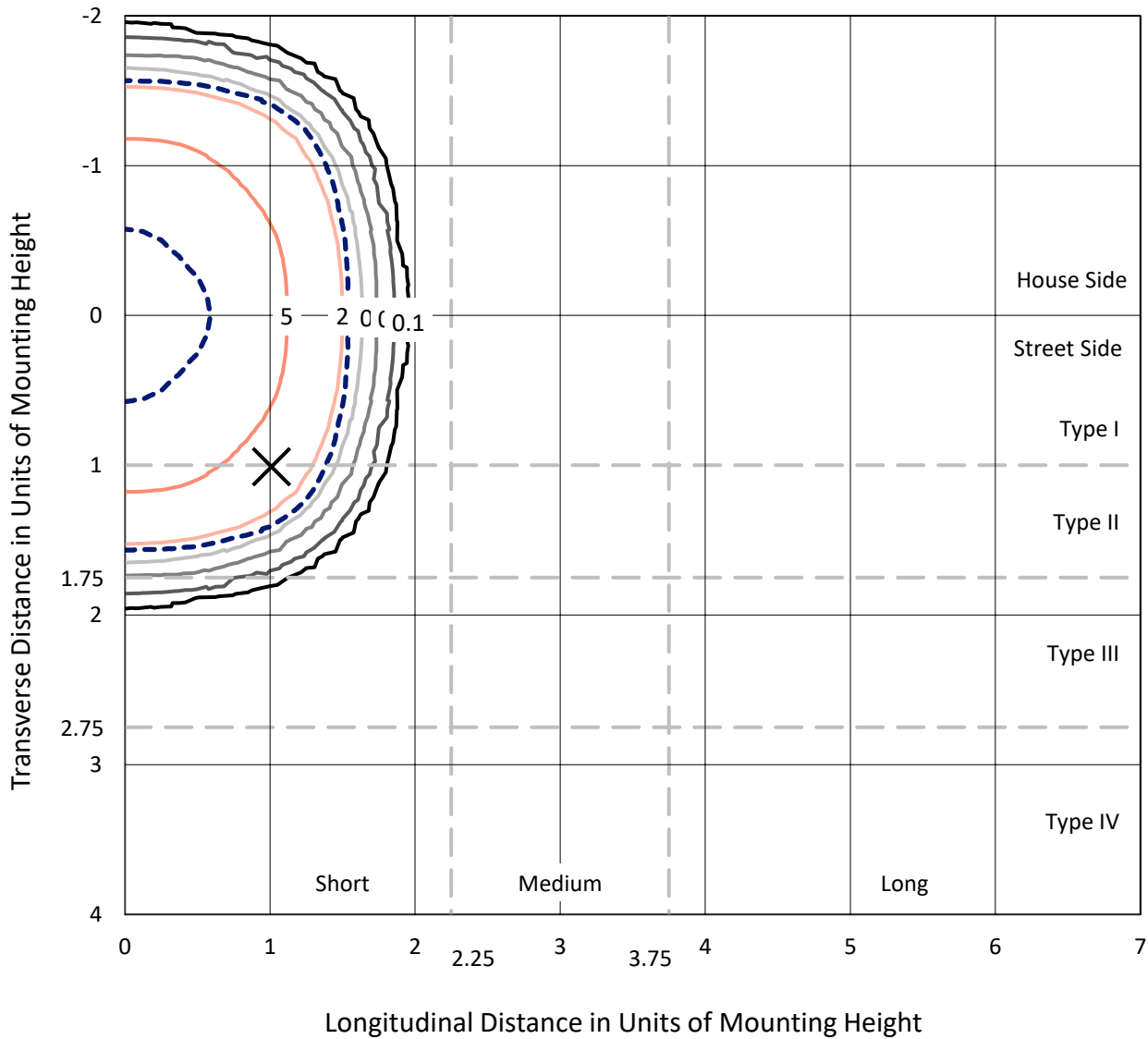
Lumens per Lamp: N/A  
Luminaire Lumens: 4366.9 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

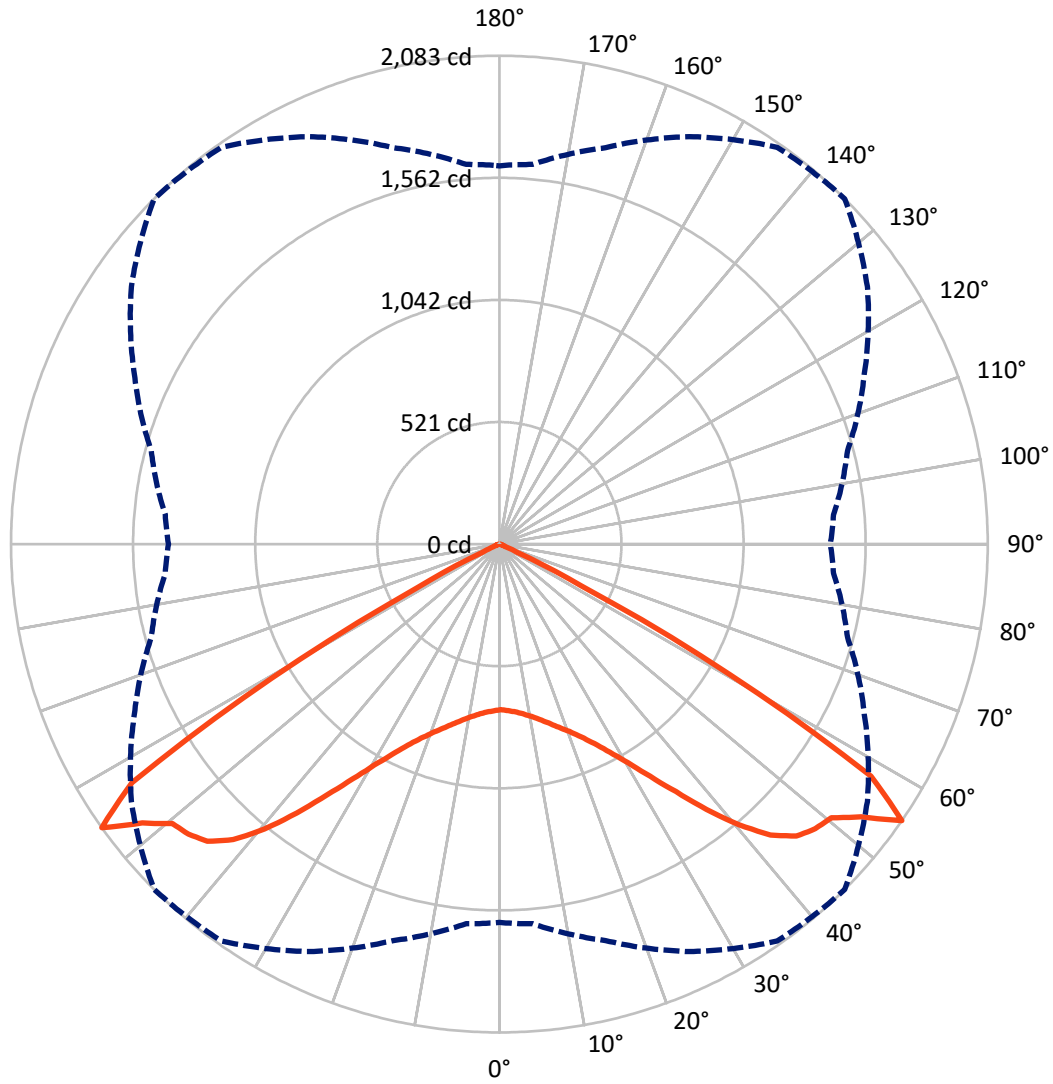
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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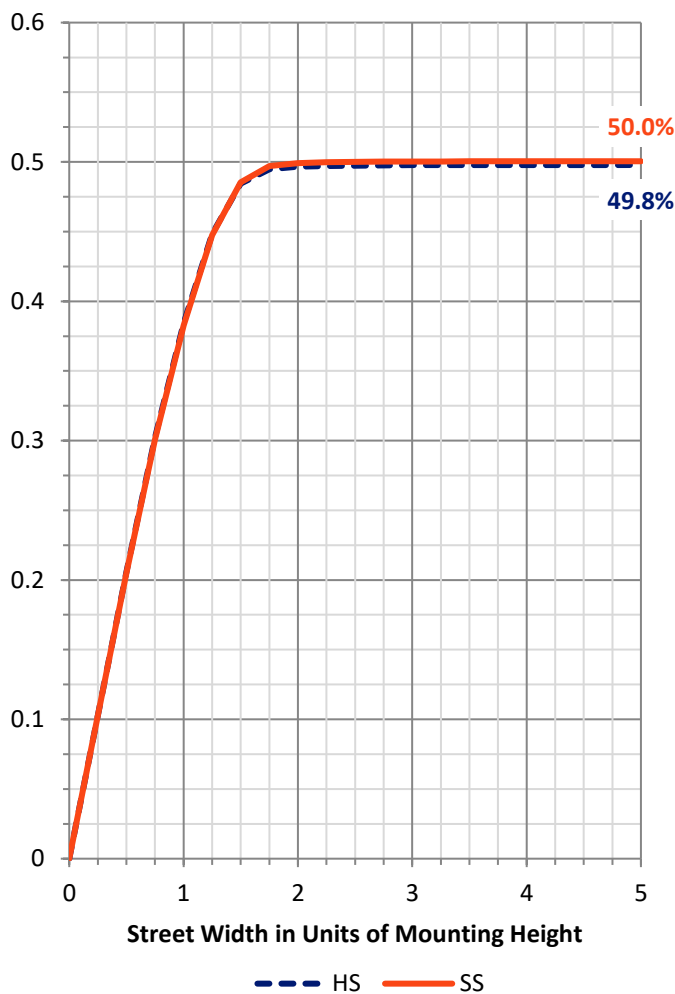
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2183.4	0.0	2183.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2183.4	0.0	2183.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4366.9	0.0	4366.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	1.6
10°-20°	224.2	5.1
20°-30°	434.3	9.9
30°-40°	778.0	17.8
40°-50°	1304.4	29.9
50°-60°	1396.3	32.0
60°-70°	153.4	3.5
70°-80°	6.7	0.2
80°-90°	0.3	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°	4366.9	100.0
0°-180°	4366.9	100.0

**Coefficient of Utilization**



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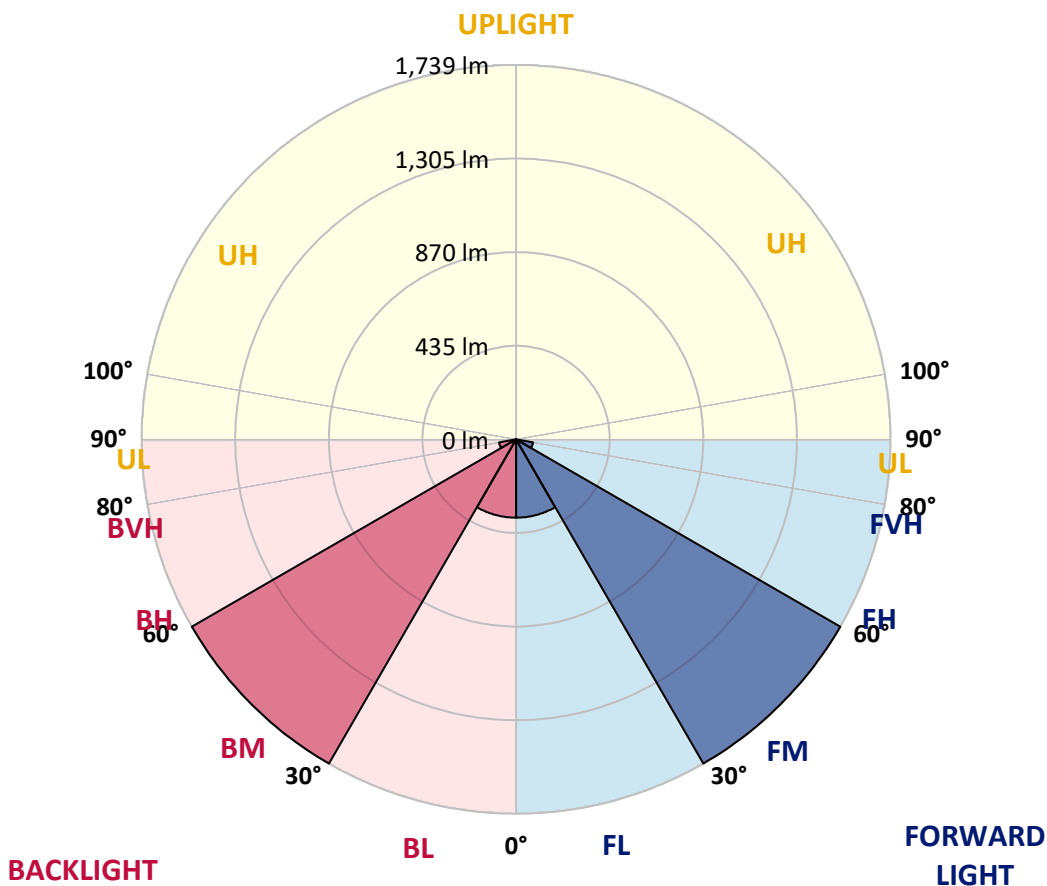
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.8	8.3			
FM (30°-60°)	1739.4	39.8			
FH (60°-80°)	80.1	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	363.8	8.3	B1/500		
BM (30°-60°)	1739.4	39.8	B2/2500		
BH (60°-80°)	80.1	1.8	B0/110		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°	706.0	706.0	706.0	706.0	706.0	706.0	706.0	706.0	706.0	706.0	706.0
2.5°	704.7	704.7	706.5	707.8	707.8	711.4	710.0	708.7	708.7	706.9	710.5
5°	714.9	714.5	716.3	717.2	715.4	718.9	716.7	715.4	714.5	712.7	716.3
7.5°	726.1	726.5	727.0	728.7	727.8	731.4	729.6	727.0	726.1	723.4	727.0
10°	739.4	739.4	740.3	742.5	743.0	747.4	745.6	742.5	739.9	737.2	740.7
12.5°	756.3	756.8	758.1	761.2	763.0	767.9	765.2	759.0	755.0	751.9	755.9
15°	780.8	780.3	782.1	786.6	788.8	792.4	788.3	779.9	775.0	771.4	774.1
17.5°	807.5	807.5	808.4	812.8	815.9	821.3	816.4	806.1	801.7	796.8	799.5
20°	836.8	838.2	839.1	842.2	847.5	852.9	848.9	838.6	833.7	827.5	830.6
22.5°	875.5	874.2	874.7	880.0	887.6	892.9	889.8	877.8	869.3	864.4	866.2
25°	918.7	918.3	919.6	927.6	936.1	941.8	937.4	921.8	913.4	904.9	908.5
27.5°	971.6	972.1	973.0	982.8	996.1	1004.6	993.4	977.9	966.3	955.2	957.9
30°	1034.4	1033.5	1036.2	1049.5	1069.1	1082.4	1069.5	1047.7	1031.3	1020.6	1021.9
32.5°	1101.1	1102.0	1109.1	1130.5	1156.3	1179.9	1153.6	1124.7	1103.3	1083.3	1086.0
35°	1173.2	1175.4	1191.4	1223.0	1265.3	1296.9	1260.4	1212.8	1182.5	1156.7	1157.6
37.5°	1258.2	1263.5	1285.7	1332.9	1393.4	1435.7	1382.3	1319.1	1280.0	1247.9	1245.7
40°	1369.8	1376.1	1406.3	1462.4	1535.8	1574.5	1512.6	1447.7	1399.2	1364.5	1359.1
42.5°	1498.0	1506.0	1538.9	1596.3	1669.7	1695.9	1635.4	1580.7	1537.1	1496.2	1494.4
45°	1642.5	1647.0	1673.7	1717.7	1770.7	1776.9	1731.5	1701.3	1657.2	1619.0	1615.8
47.5°	1778.2	1782.7	1800.9	1823.6	1836.1	1813.8	1805.8	1792.5	1735.5	1688.4	1678.6
50°	1881.4	1885.0	1907.7	1916.6	1881.9	1834.7	1850.3	1821.8	1760.0	1707.1	1691.9
52.5°	1874.3	1883.2	1941.5	1992.2	1970.4	1932.2	1890.3	1829.0	1732.9	1660.3	1641.7
55°	1613.6	1625.6	1750.6	1917.5	2066.5	2083.0	1915.7	1717.7	1537.1	1430.8	1411.6
57.5°	1037.0	1040.2	1192.8	1426.8	1762.7	1868.5	1588.7	1295.1	1070.4	953.4	945.4
60°	381.3	375.0	490.3	684.2	1015.2	1127.4	935.2	654.9	467.1	384.4	377.7
62.5°	91.6	92.5	114.8	172.2	318.5	394.2	311.4	174.0	110.8	93.0	92.1
65°	46.3	45.4	45.8	49.4	68.1	81.4	66.7	47.2	45.4	45.8	45.4
67.5°	29.8	29.4	30.3	30.7	30.3	28.5	28.0	28.9	28.9	29.4	28.5
70°	18.2	17.8	18.7	20.0	19.1	16.9	17.8	18.7	17.8	17.4	17.4
72.5°	9.8	9.8	10.7	11.6	10.7	9.8	9.8	10.2	9.8	9.8	9.8
75°	4.4	4.4	4.9	5.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	1.3	1.3	1.8	1.8	1.3	1.3	1.3	1.3	1.8	1.8	1.8
80°	0.4	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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)