

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: P631083

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631083  
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-SA1F-722-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

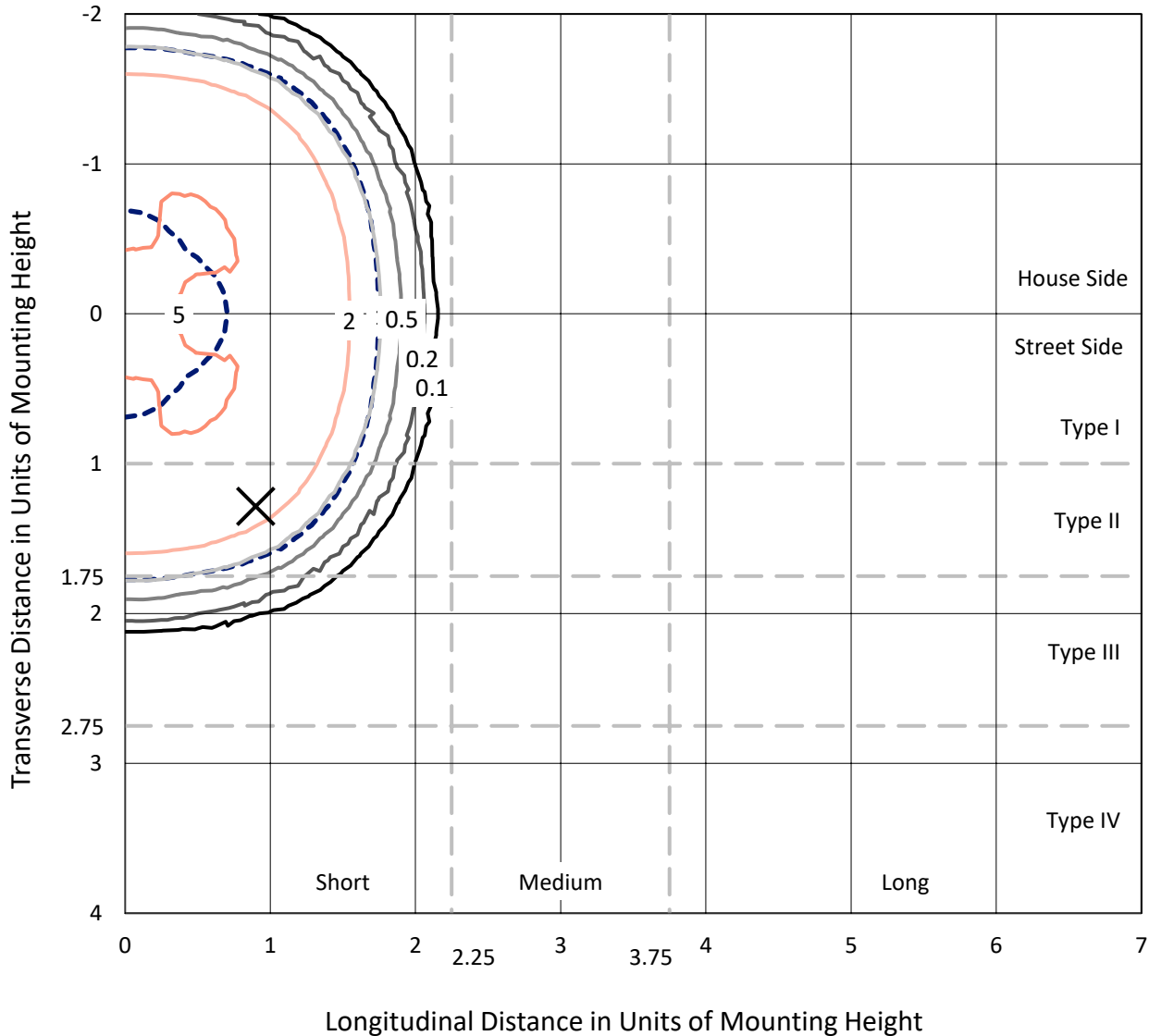
Lumens per Lamp: N/A  
Luminaire Lumens: 3791.6 lumens  
Efficiency: N/A  
Efficacy: 56.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 67.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

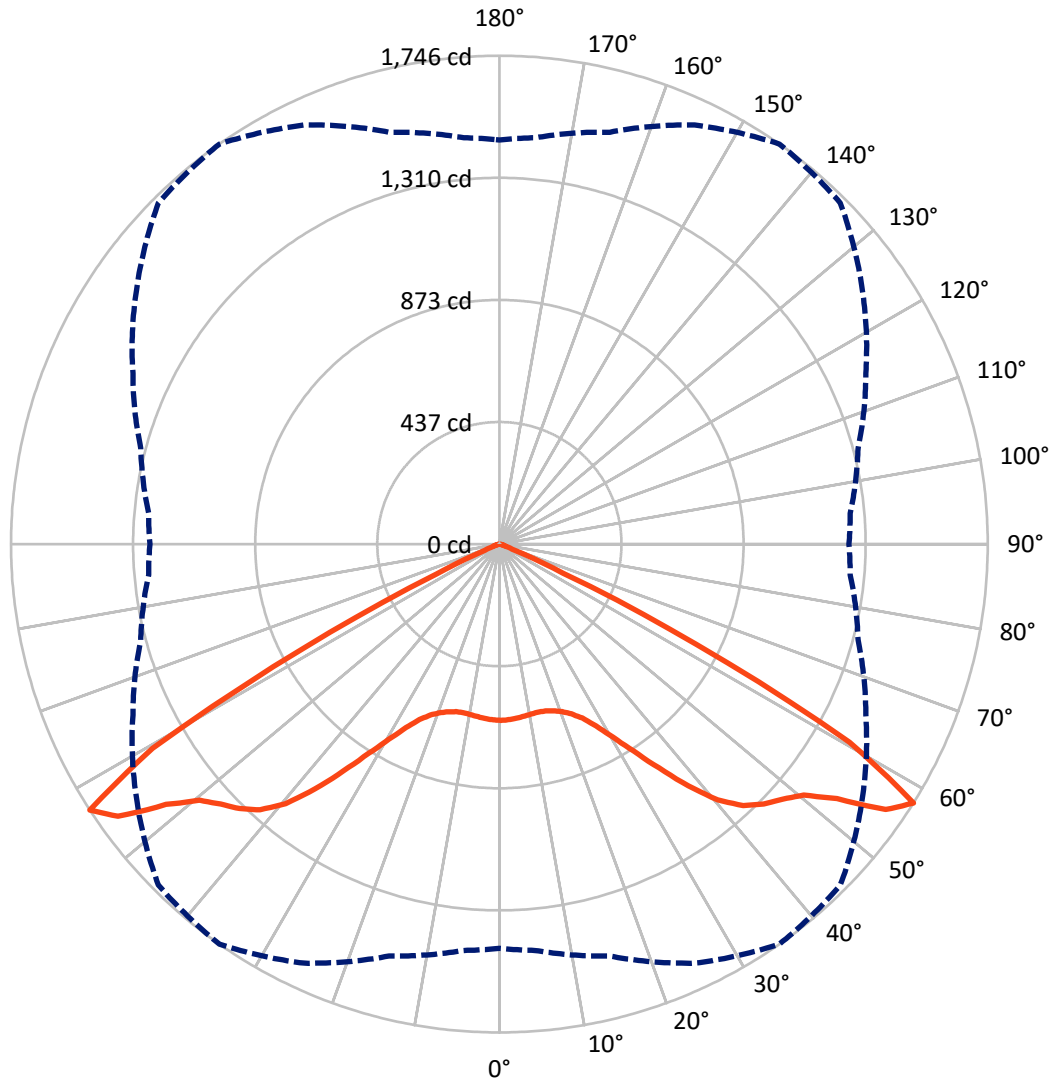
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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	1895.8	0.0	1895.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1895.8	0.0	1895.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3791.6	0.0	3791.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.4	1.6
10°-20°	174.7	4.6
20°-30°	315.8	8.3
30°-40°	589.1	15.5
40°-50°	988.3	26.1
50°-60°	1305.1	34.4
60°-70°	346.6	9.1
70°-80°	12.3	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°	3791.6	100.0
0°-180°	3791.6	100.0

**Coefficient of Utilization**



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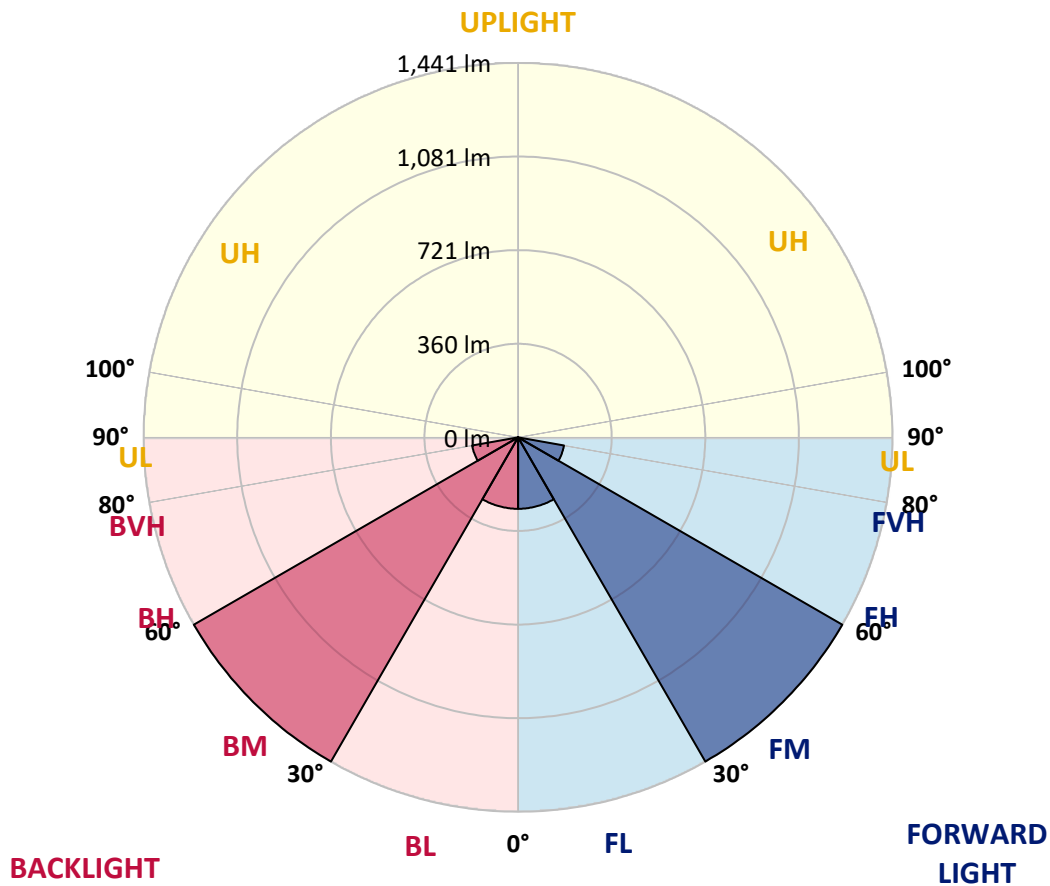
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.9	7.3			
FM (30°-60°)	1441.3	38.0			
FH (60°-80°)	179.5	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	274.9	7.3	B1/500		
BM (30°-60°)	1441.3	38.0	B2/2500		
BH (60°-80°)	179.5	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°	630.4	630.4	630.4	630.4	630.4	630.4	630.4	630.4	630.4	630.4	630.4
2.5°	625.9	625.5	627.3	628.6	628.6	631.7	630.8	629.9	629.1	627.7	630.8
5°	625.0	624.6	625.9	626.8	625.9	628.6	626.8	625.0	624.2	622.4	625.9
7.5°	621.0	621.5	622.4	623.3	621.9	624.2	621.9	619.3	617.0	615.3	618.4
10°	614.8	615.3	616.2	617.9	618.4	621.5	618.4	613.5	610.4	607.7	610.8
12.5°	611.7	612.1	613.5	615.7	616.2	620.2	616.2	609.0	604.6	601.5	604.6
15°	612.6	613.5	615.3	617.9	618.8	622.8	617.5	608.1	601.9	597.9	600.6
17.5°	615.7	616.6	619.3	623.7	626.8	630.8	624.2	612.1	603.7	597.9	600.6
20°	619.7	621.0	625.5	632.6	639.3	646.4	638.0	621.5	610.4	603.3	605.5
22.5°	630.8	632.2	638.4	647.7	658.9	667.8	657.5	636.6	621.5	612.1	614.4
25°	653.5	654.9	662.9	674.9	689.1	700.7	687.8	661.5	642.0	631.3	632.2
27.5°	689.1	690.4	699.8	716.7	735.8	752.3	733.6	702.9	680.7	668.2	668.2
30°	734.0	735.8	748.3	771.0	800.8	822.6	797.2	759.8	731.4	714.5	714.9
32.5°	791.9	790.1	807.9	839.0	881.3	910.2	872.8	827.5	792.3	768.7	771.0
35°	866.2	865.7	885.7	928.0	983.2	1017.9	973.4	914.7	872.4	848.4	848.8
37.5°	961.8	961.4	984.5	1030.3	1096.6	1125.5	1075.7	1016.1	970.7	947.6	950.3
40°	1073.9	1071.3	1091.7	1135.8	1202.1	1220.7	1166.5	1118.4	1074.8	1060.1	1067.3
42.5°	1180.7	1174.9	1186.9	1227.0	1278.1	1280.8	1239.9	1206.9	1177.1	1165.6	1170.0
45°	1266.6	1262.1	1273.2	1296.4	1325.7	1312.4	1292.8	1282.6	1258.6	1246.1	1250.1
47.5°	1330.6	1330.6	1344.0	1358.2	1362.7	1338.2	1341.3	1341.3	1317.3	1297.7	1292.8
50°	1385.8	1389.8	1409.8	1424.5	1409.8	1378.7	1396.5	1392.9	1344.0	1304.8	1294.6
52.5°	1473.9	1477.9	1508.6	1528.6	1512.1	1481.4	1483.7	1439.2	1367.1	1320.8	1304.8
55°	1567.3	1577.1	1621.6	1675.0	1675.4	1643.8	1585.1	1506.3	1418.7	1368.4	1352.0
57.5°	1445.0	1458.3	1524.6	1653.2	1746.1	1724.3	1584.2	1445.8	1327.5	1259.0	1249.7
60°	994.3	1017.4	1083.7	1259.4	1438.7	1447.2	1281.7	1126.4	990.7	906.2	908.0
62.5°	420.0	443.5	480.9	625.5	790.1	800.3	720.3	609.0	498.3	437.3	446.7
65°	98.8	105.4	116.6	173.1	250.9	262.5	242.0	188.6	139.2	117.9	120.1
67.5°	43.2	44.0	41.8	44.5	55.2	56.5	54.7	48.0	45.4	46.3	46.3
70°	30.3	30.7	28.9	27.6	26.2	24.5	25.4	28.0	30.3	32.0	31.6
72.5°	18.7	19.1	19.6	19.6	18.2	16.5	17.4	19.1	19.6	20.0	19.6
75°	9.3	9.8	10.7	11.1	10.7	10.2	10.2	10.7	10.7	10.2	10.2
77.5°	1.8	2.2	3.1	3.6	3.6	3.6	3.6	3.6	4.0	3.6	3.6
80°	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)