

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: P632076

Luminaire Tested: GWS-SA2C-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632076  
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-SA2C-722-U-5NQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

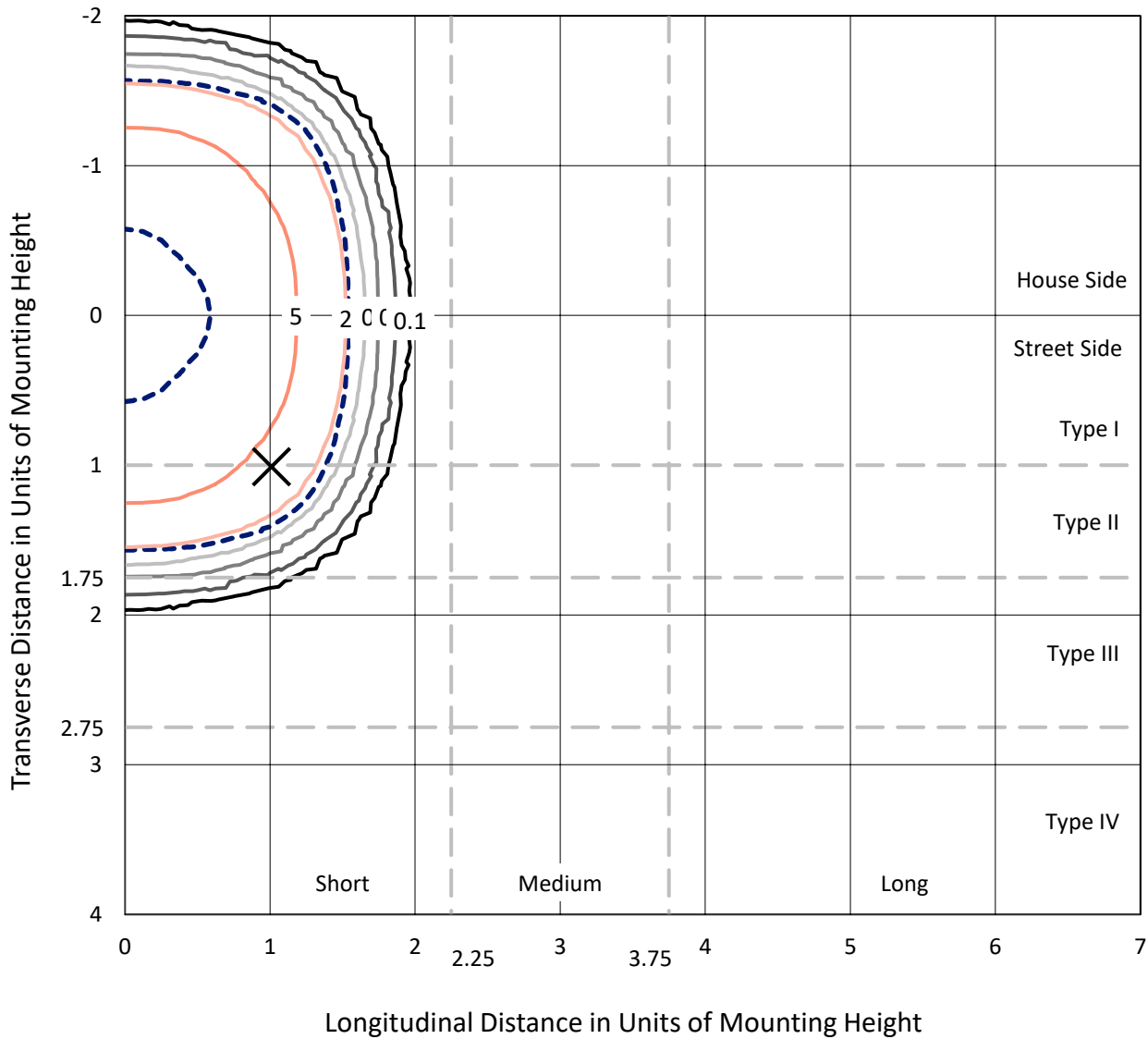
Lumens per Lamp: N/A  
Luminaire Lumens: 4797.3 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

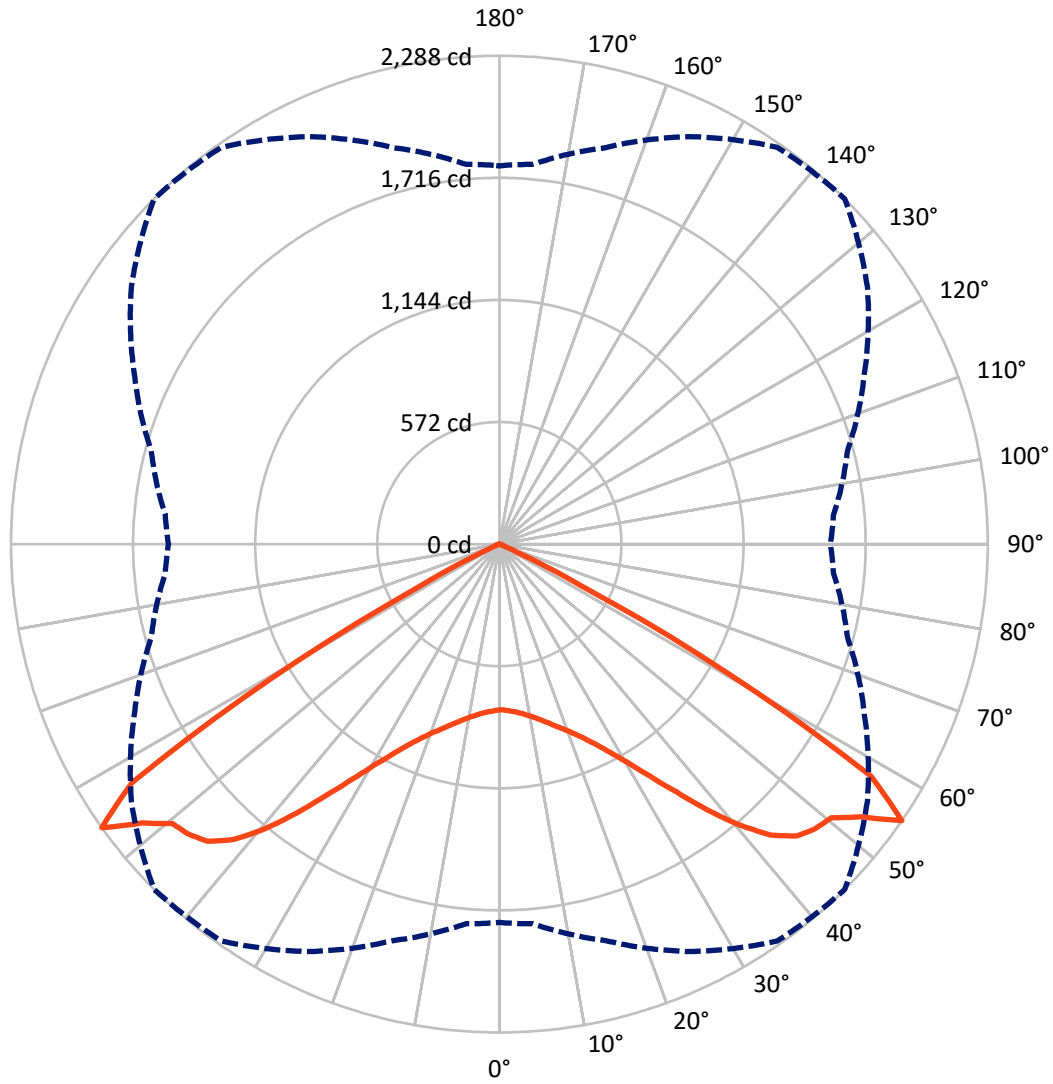
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 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	2398.7	0.0	2398.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2398.7	0.0	2398.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4797.3	0.0	4797.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.0	1.6
10°-20°	246.3	5.1
20°-30°	477.1	9.9
30°-40°	854.7	17.8
40°-50°	1433.0	29.9
50°-60°	1533.9	32.0
60°-70°	168.6	3.5
70°-80°	7.4	0.2
80°-90°	0.4	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°	4797.3	100.0
0°-180°	4797.3	100.0

**Coefficient of Utilization**



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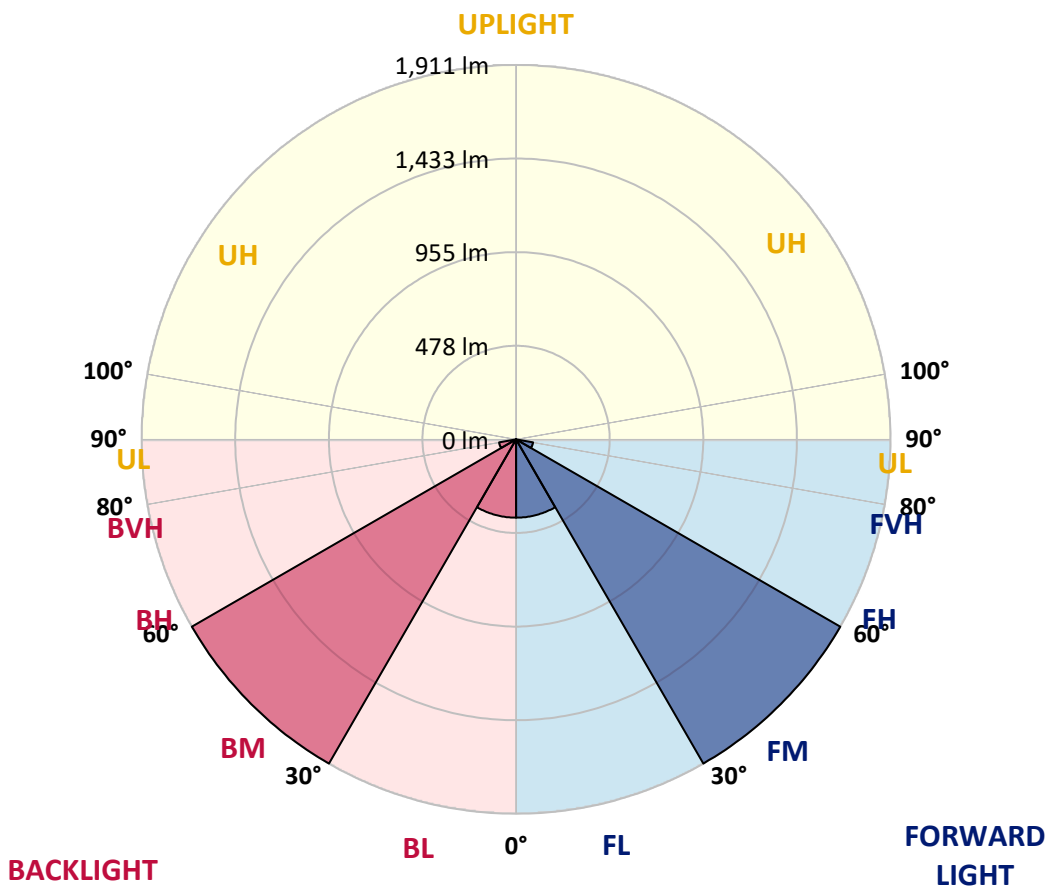
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.7	8.3			
FM (30°-60°)	1910.8	39.8			
FH (60°-80°)	88.0	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	399.7	8.3	B1/500		
BM (30°-60°)	1910.8	39.8	B2/2500		
BH (60°-80°)	88.0	1.8	B0/110		G0/660
BVH (80°-90°)	0.2	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°	775.6	775.6	775.6	775.6	775.6	775.6	775.6	775.6	775.6	775.6	775.6
2.5°	774.2	774.2	776.1	777.6	777.6	781.5	780.0	778.6	778.6	776.6	780.5
5°	785.4	784.9	786.9	787.8	785.9	789.8	787.4	785.9	784.9	783.0	786.9
7.5°	797.6	798.1	798.6	800.6	799.6	803.5	801.5	798.6	797.6	794.7	798.6
10°	812.3	812.3	813.3	815.7	816.2	821.1	819.1	815.7	812.8	809.8	813.8
12.5°	830.9	831.3	832.8	836.2	838.2	843.6	840.6	833.8	829.4	826.0	830.4
15°	857.7	857.3	859.2	864.1	866.5	870.4	866.0	856.8	851.4	847.5	850.4
17.5°	887.1	887.1	888.0	892.9	896.3	902.2	896.8	885.6	880.7	875.3	878.3
20°	919.3	920.8	921.8	925.2	931.1	936.9	932.5	921.3	915.9	909.1	912.5
22.5°	961.8	960.4	960.9	966.7	975.0	980.9	977.5	964.3	955.0	949.6	951.6
25°	1009.2	1008.8	1010.2	1019.0	1028.3	1034.7	1029.8	1012.7	1003.4	994.1	998.0
27.5°	1067.4	1067.9	1068.9	1079.6	1094.3	1103.6	1091.4	1074.3	1061.5	1049.3	1052.3
30°	1136.3	1135.3	1138.3	1152.9	1174.4	1189.1	1174.9	1151.0	1132.9	1121.2	1122.6
32.5°	1209.6	1210.6	1218.4	1241.9	1270.2	1296.1	1267.3	1235.5	1212.1	1190.1	1193.0
35°	1288.8	1291.3	1308.8	1343.5	1390.0	1424.7	1384.6	1332.3	1299.1	1270.7	1271.7
37.5°	1382.2	1388.0	1412.5	1464.3	1530.7	1577.2	1518.5	1449.1	1406.1	1370.9	1368.5
40°	1504.8	1511.7	1544.9	1606.5	1687.1	1729.7	1661.7	1590.4	1537.1	1499.0	1493.1
42.5°	1645.6	1654.4	1690.6	1753.6	1834.2	1863.1	1796.6	1736.5	1688.6	1643.6	1641.7
45°	1804.4	1809.3	1838.6	1887.0	1945.2	1952.0	1902.2	1868.9	1820.6	1778.5	1775.1
47.5°	1953.5	1958.4	1978.4	2003.3	2017.0	1992.6	1983.8	1969.1	1906.6	1854.8	1844.0
50°	2066.9	2070.8	2095.7	2105.5	2067.4	2015.6	2032.7	2001.4	1933.5	1875.3	1858.7
52.5°	2059.1	2068.8	2132.9	2188.6	2164.6	2122.6	2076.7	2009.2	1903.6	1824.0	1803.5
55°	1772.7	1785.9	1923.2	2106.5	2270.2	2288.3	2104.5	1887.0	1688.6	1571.8	1550.8
57.5°	1139.3	1142.7	1310.3	1567.4	1936.4	2052.7	1745.3	1422.7	1175.9	1047.4	1038.6
60°	418.9	412.0	538.6	751.7	1115.3	1238.5	1027.3	719.4	513.2	422.3	414.9
62.5°	100.7	101.7	126.1	189.1	349.9	433.0	342.1	191.1	121.7	102.1	101.2
65°	50.8	49.9	50.3	54.3	74.8	89.4	73.3	51.8	49.9	50.3	49.9
67.5°	32.7	32.3	33.2	33.7	33.2	31.3	30.8	31.8	31.8	32.3	31.3
70°	20.0	19.5	20.5	22.0	21.0	18.6	19.5	20.5	19.5	19.1	19.1
72.5°	10.8	10.8	11.7	12.7	11.7	10.8	10.8	11.2	10.8	10.8	10.8
75°	4.9	4.9	5.4	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
77.5°	1.5	1.5	2.0	2.0	1.5	1.5	1.5	1.5	2.0	2.0	2.0
80°	0.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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)