

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: P633008

Luminaire Tested: GWS-SA2D-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633008  
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-SA2D-830-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

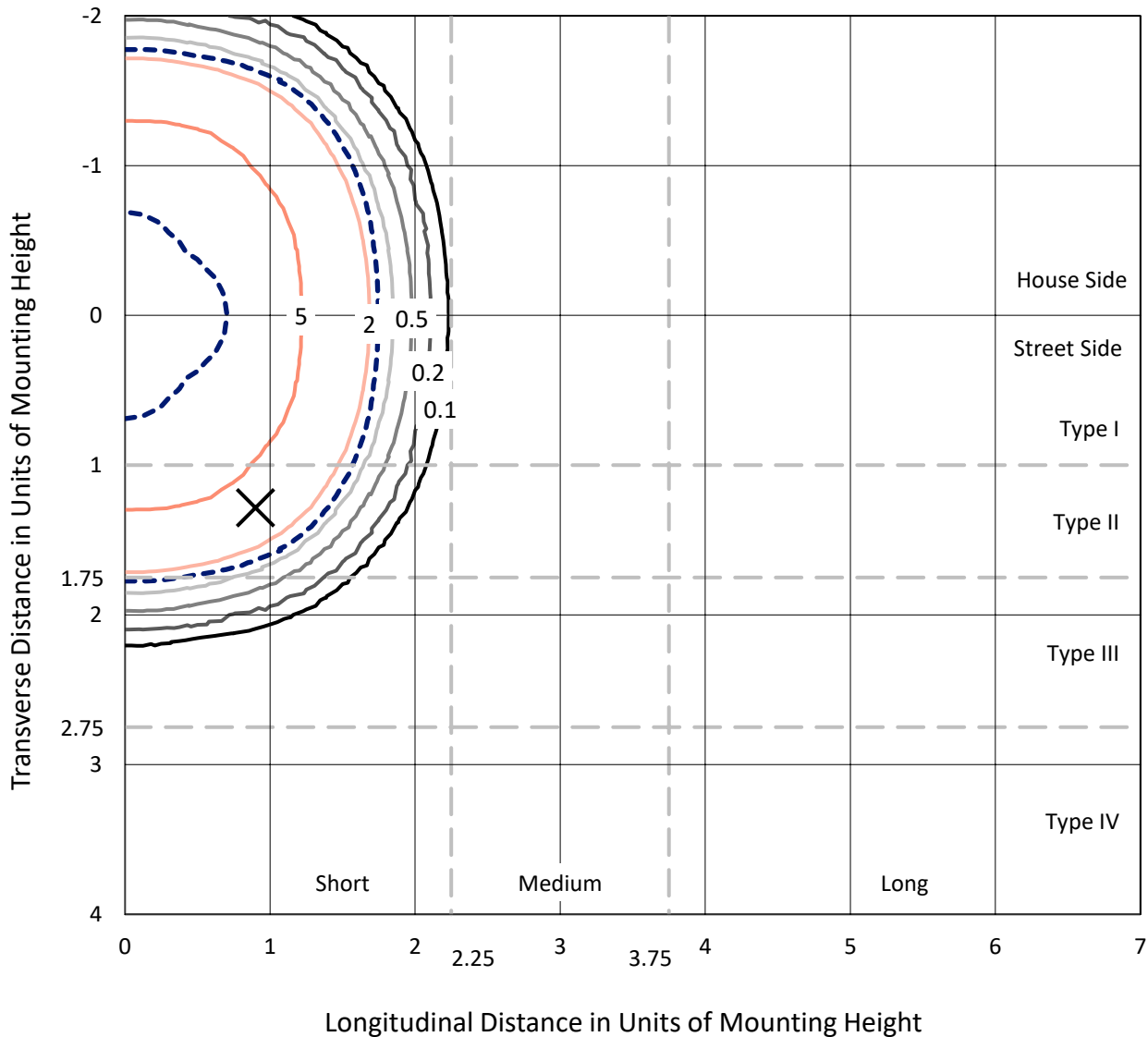
Lumens per Lamp: N/A  
Luminaire Lumens: 5667.2 lumens  
Efficiency: N/A  
Efficacy: 69.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

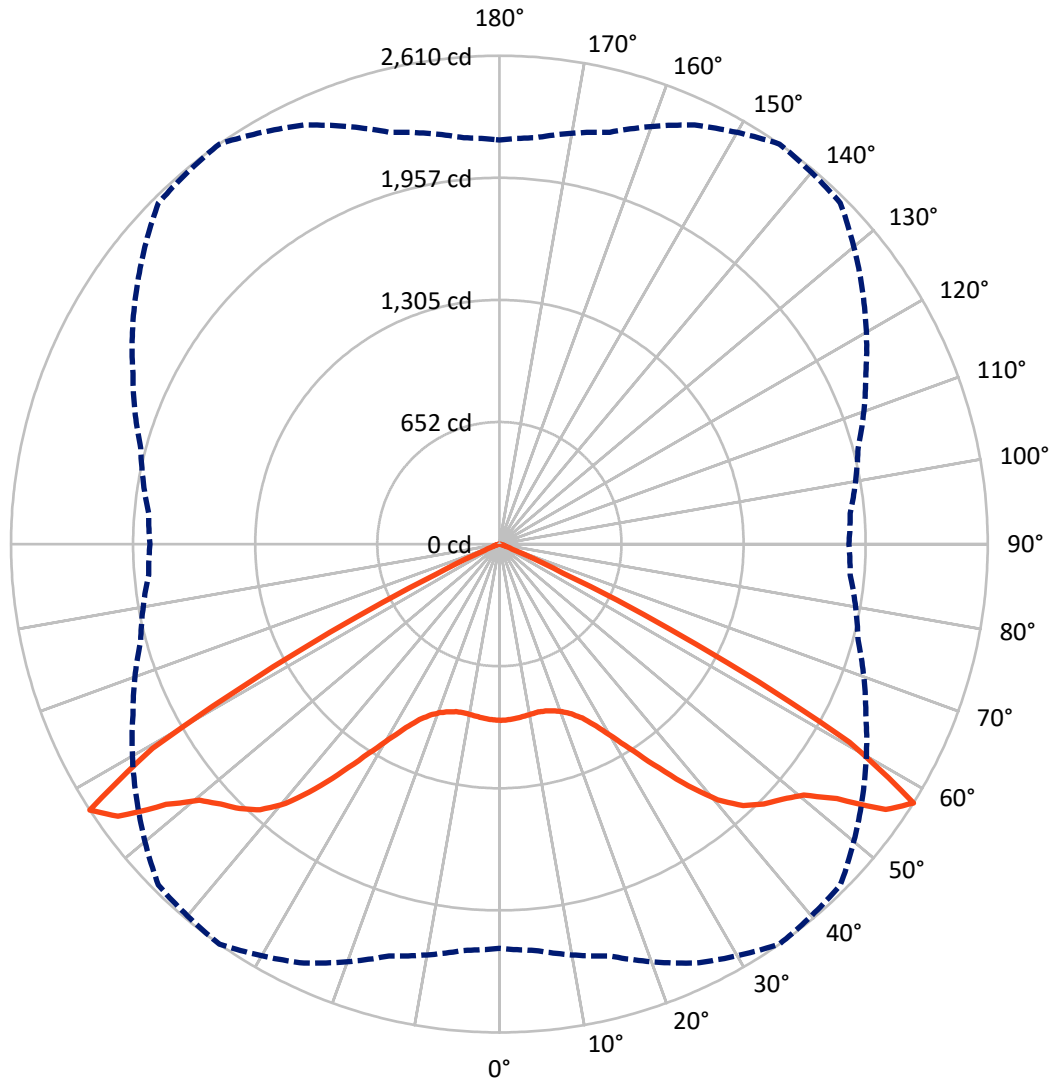
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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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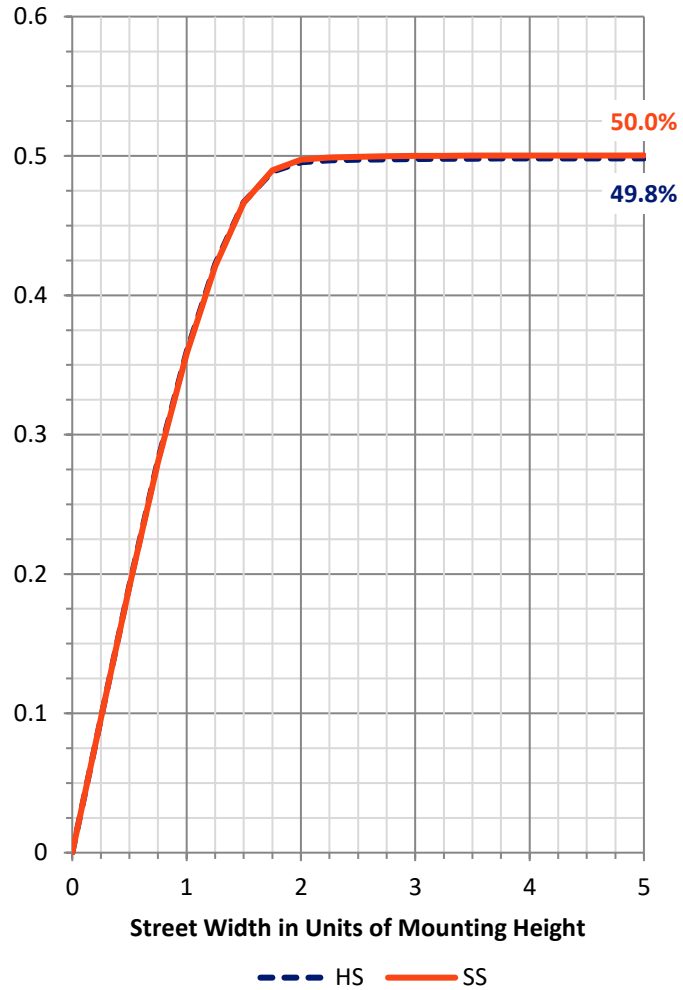
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2833.6	0.0	2833.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2833.6	0.0	2833.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5667.2	0.0	5667.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.8	1.6
10°-20°	261.1	4.6
20°-30°	472.0	8.3
30°-40°	880.6	15.5
40°-50°	1477.2	26.1
50°-60°	1950.8	34.4
60°-70°	518.1	9.1
70°-80°	18.4	0.3
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°	5667.2	100.0
0°-180°	5667.2	100.0

**Coefficient of Utilization**



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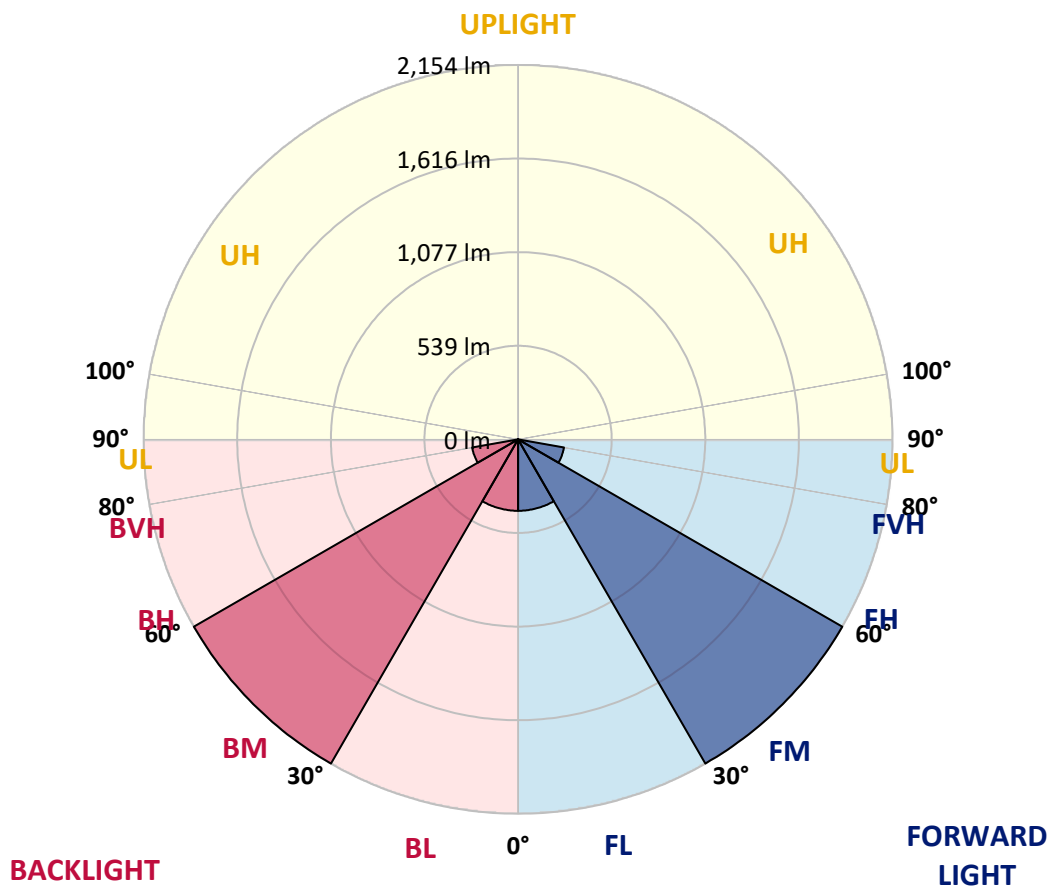
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.0	7.3			
FM (30°-60°)	2154.2	38.0			
FH (60°-80°)	268.2	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	411.0	7.3	B1/500		
BM (30°-60°)	2154.2	38.0	B2/2500		
BH (60°-80°)	268.2	4.7	B1/500		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°	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2
2.5°	935.6	934.9	937.6	939.6	939.6	944.2	942.9	941.6	940.2	938.2	942.9
5°	934.2	933.6	935.6	936.9	935.6	939.6	936.9	934.2	932.9	930.3	935.6
7.5°	928.3	928.9	930.3	931.6	929.6	932.9	929.6	925.6	922.3	919.6	924.3
10°	919.0	919.6	920.9	923.6	924.3	928.9	924.3	917.0	912.3	908.3	913.0
12.5°	914.3	915.0	917.0	920.3	920.9	926.9	920.9	910.3	903.7	899.0	903.7
15°	915.6	917.0	919.6	923.6	924.9	930.9	922.9	909.0	899.7	893.7	897.7
17.5°	920.3	921.6	925.6	932.2	936.9	942.9	932.9	915.0	902.3	893.7	897.7
20°	926.3	928.3	934.9	945.5	955.5	966.2	953.5	928.9	912.3	901.7	905.0
22.5°	942.9	944.9	954.2	968.2	984.8	998.1	982.8	951.5	928.9	915.0	918.3
25°	976.8	978.8	990.8	1008.7	1030.0	1047.3	1028.0	988.8	959.5	943.6	944.9
27.5°	1030.0	1032.0	1046.0	1071.2	1099.8	1124.4	1096.5	1050.6	1017.4	998.7	998.7
30°	1097.2	1099.8	1118.4	1152.3	1196.9	1229.5	1191.6	1135.7	1093.2	1067.9	1068.6
32.5°	1183.6	1180.9	1207.5	1254.1	1317.3	1360.5	1304.6	1236.8	1184.3	1149.0	1152.3
35°	1294.6	1294.0	1323.9	1387.1	1469.5	1521.4	1454.9	1367.1	1304.0	1268.0	1268.7
37.5°	1437.6	1436.9	1471.5	1540.0	1639.1	1682.3	1607.8	1518.7	1450.9	1416.3	1420.3
40°	1605.2	1601.2	1631.8	1697.6	1796.7	1824.6	1743.5	1671.7	1606.5	1584.6	1595.2
42.5°	1764.8	1756.1	1774.1	1833.9	1910.4	1914.4	1853.2	1804.0	1759.4	1742.1	1748.8
45°	1893.1	1886.4	1903.1	1937.6	1981.5	1961.6	1932.3	1917.0	1881.1	1862.5	1868.5
47.5°	1988.8	1988.8	2008.8	2030.1	2036.7	2000.1	2004.8	2004.8	1968.9	1939.6	1932.3
50°	2071.3	2077.3	2107.2	2129.1	2107.2	2060.7	2087.3	2081.9	2008.8	1950.3	1935.0
52.5°	2203.0	2208.9	2254.8	2284.7	2260.1	2214.3	2217.6	2151.1	2043.4	1974.2	1950.3
55°	2342.6	2357.2	2423.7	2503.5	2504.2	2457.0	2369.2	2251.5	2120.5	2045.4	2020.8
57.5°	2159.7	2179.7	2278.8	2470.9	2609.9	2577.3	2367.9	2161.1	1984.2	1881.8	1867.8
60°	1486.1	1520.7	1619.8	1882.5	2150.4	2163.1	1915.7	1683.6	1480.8	1354.5	1357.1
62.5°	627.7	662.9	718.8	934.9	1180.9	1196.2	1076.5	910.3	744.7	653.6	667.6
65°	147.6	157.6	174.2	258.7	375.0	392.3	361.7	281.9	208.1	176.2	179.5
67.5°	64.5	65.8	62.5	66.5	82.5	84.4	81.8	71.8	67.8	69.2	69.2
70°	45.2	45.9	43.2	41.2	39.2	36.6	37.9	41.9	45.2	47.9	47.2
72.5°	27.9	28.6	29.3	29.3	27.3	24.6	25.9	28.6	29.3	29.9	29.3
75°	14.0	14.6	16.0	16.6	16.0	15.3	15.3	16.0	16.0	15.3	15.3
77.5°	2.7	3.3	4.7	5.3	5.3	5.3	5.3	5.3	6.0	5.3	5.3
80°	0.7	0.7	1.3	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.7	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	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
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)