

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: P632518

Luminaire Tested: GWS-SA2C-830-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632518  
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-SA2C-830-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

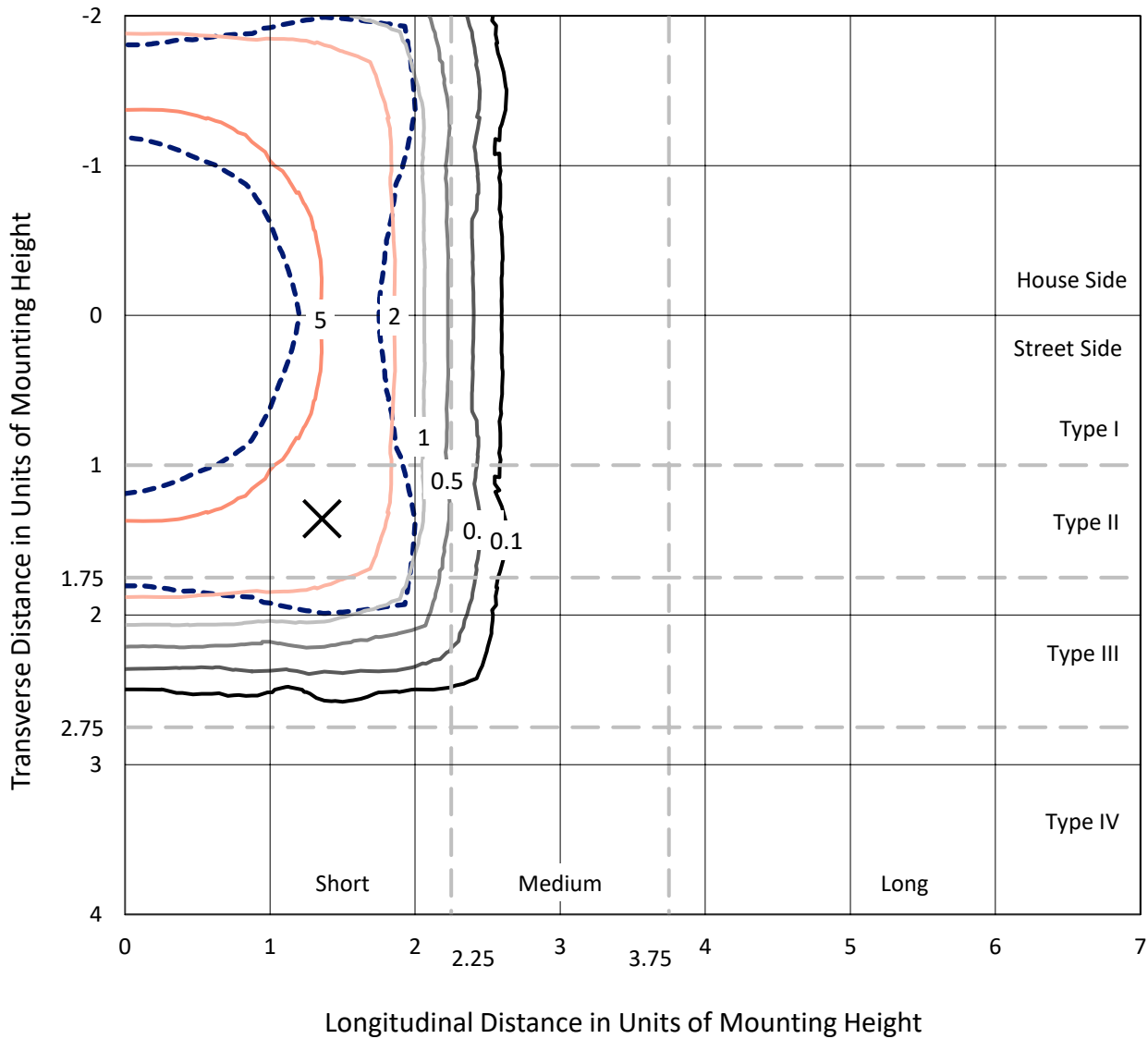
Lumens per Lamp: N/A  
Luminaire Lumens: 7684.6 lumens  
Efficiency: N/A  
Efficacy: 121.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

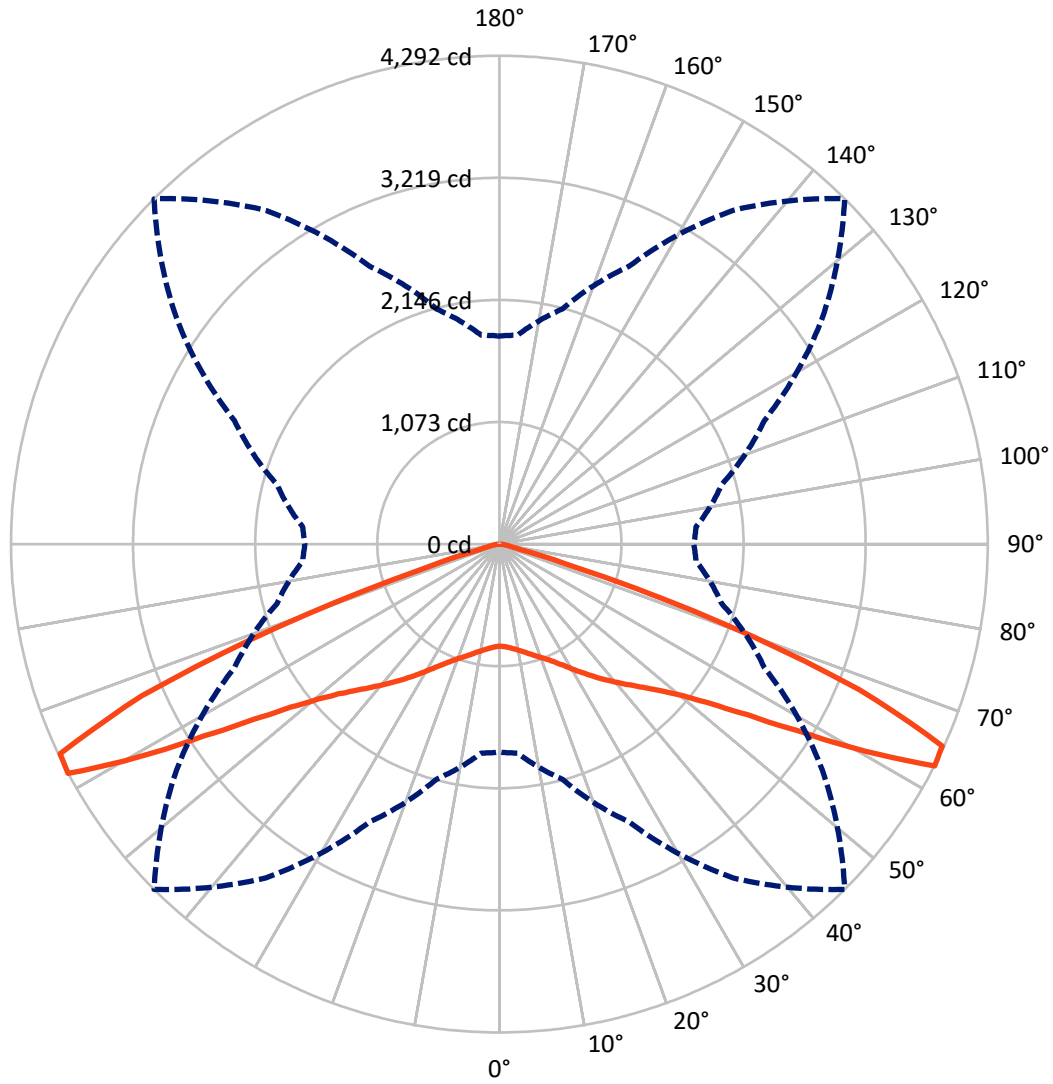
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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	3842.3	0.0	3842.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3842.3	0.0	3842.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7684.6	0.0	7684.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	1.1
10°-20°	283.7	3.7
20°-30°	536.6	7.0
30°-40°	903.3	11.8
40°-50°	1443.1	18.8
50°-60°	2326.2	30.3
60°-70°	1897.9	24.7
70°-80°	184.3	2.4
80°-90°	21.5	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°	7684.6	100.0
0°-180°	7684.6	100.0

**Coefficient of Utilization**



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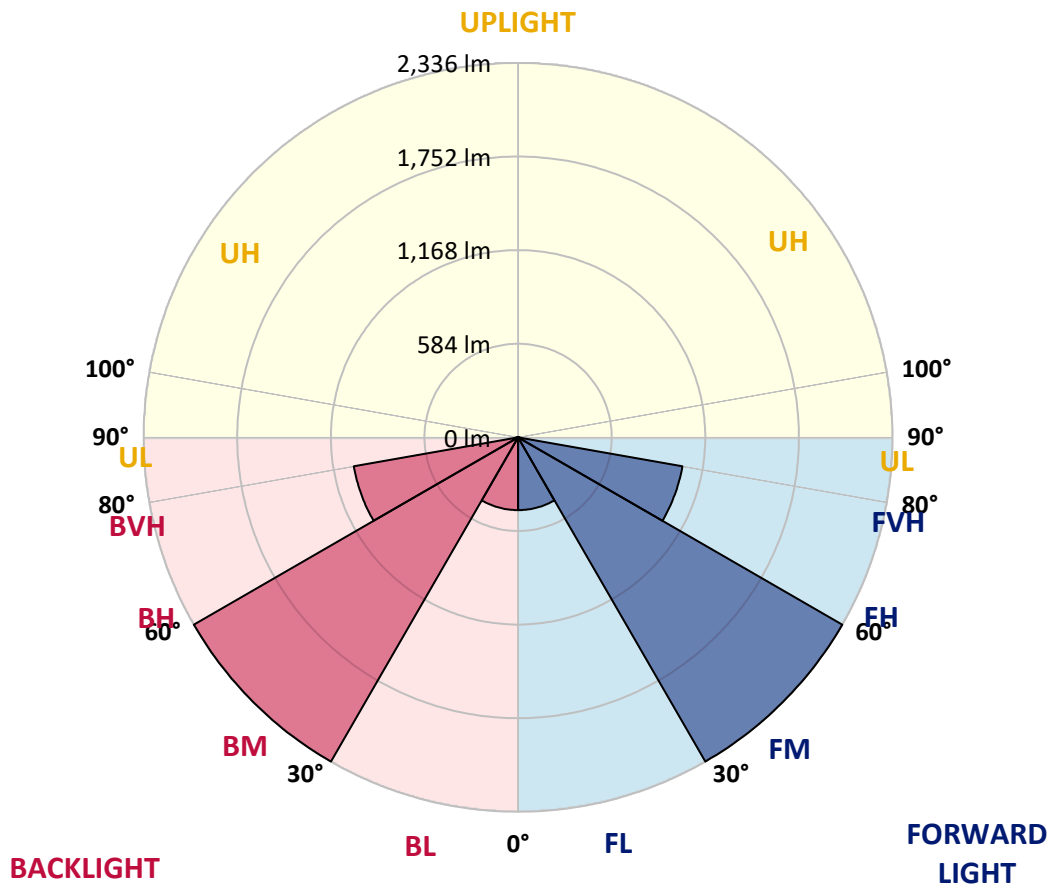
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.1	5.9			
FM (30°-60°)	2336.3	30.4			
FH (60°-80°)	1041.1	13.5			G1/1800
FVH (80°-90°)	10.7	0.1			G1/100
BL (0°-30°)	454.1	5.9	B1/500		
BM (30°-60°)	2336.3	30.4	B2/2500		
BH (60°-80°)	1041.1	13.5	B3/2500		G1/1800
BVH (80°-90°)	10.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5
2.5°	895.5	895.5	897.6	899.1	898.1	902.3	901.8	900.7	900.2	898.6	903.4
5°	907.6	907.6	909.2	910.7	908.1	913.4	911.3	910.2	909.7	907.6	911.8
7.5°	921.3	922.9	923.4	926.0	924.4	930.2	928.7	926.6	925.5	922.9	926.6
10°	936.6	937.6	938.1	942.9	943.4	950.3	948.7	946.1	943.9	941.3	946.6
12.5°	957.1	957.7	959.2	965.0	966.6	971.9	971.4	967.7	965.0	961.3	967.1
15°	983.5	984.0	986.6	992.4	995.1	1001.4	999.3	993.5	989.8	985.6	990.3
17.5°	1010.9	1013.0	1015.6	1021.4	1025.1	1032.5	1029.9	1023.5	1020.4	1016.2	1019.3
20°	1046.2	1046.7	1048.3	1054.6	1057.3	1065.7	1066.2	1059.9	1058.3	1054.1	1058.8
22.5°	1085.2	1085.7	1087.3	1094.2	1098.9	1104.2	1107.3	1103.6	1101.0	1095.7	1101.5
25°	1128.4	1133.7	1135.3	1143.7	1149.0	1152.1	1155.8	1154.2	1150.6	1144.2	1146.9
27.5°	1189.0	1190.1	1192.7	1202.2	1205.4	1208.5	1212.2	1212.7	1207.5	1200.1	1203.8
30°	1258.1	1257.5	1263.3	1270.7	1273.4	1276.0	1281.3	1284.4	1277.6	1269.7	1273.4
32.5°	1328.7	1335.0	1342.4	1349.2	1347.7	1348.7	1357.2	1363.0	1353.5	1339.2	1342.4
35°	1408.3	1412.5	1422.0	1432.0	1429.9	1428.3	1433.6	1439.4	1426.2	1407.8	1412.5
37.5°	1490.0	1496.3	1510.5	1522.6	1519.5	1512.1	1517.9	1524.2	1511.6	1490.5	1488.4
40°	1581.2	1591.2	1611.7	1621.7	1613.3	1599.1	1609.1	1624.4	1611.7	1587.5	1581.7
42.5°	1688.1	1700.3	1720.8	1736.1	1717.7	1694.5	1711.3	1733.5	1730.3	1698.2	1688.1
45°	1820.4	1828.3	1853.6	1861.0	1833.6	1801.5	1832.0	1865.8	1857.9	1823.1	1809.9
47.5°	1964.3	1976.4	1998.6	2012.3	1968.0	1927.9	1970.6	2016.0	2007.5	1974.9	1959.6
50°	2147.7	2163.5	2192.5	2204.1	2143.0	2097.1	2151.9	2209.4	2193.1	2149.3	2129.3
52.5°	2347.5	2360.1	2409.7	2432.9	2375.4	2325.9	2373.8	2430.2	2395.4	2337.5	2310.6
55°	2523.5	2536.2	2608.9	2685.8	2683.2	2649.0	2673.2	2674.3	2579.9	2484.0	2455.5
57.5°	2561.5	2574.1	2712.7	2914.1	3056.4	3095.9	3024.7	2875.1	2637.4	2469.2	2437.1
60°	2359.1	2373.3	2593.6	2961.5	3429.5	3693.6	3365.7	2870.8	2459.7	2232.1	2201.5
62.5°	1827.8	1843.1	2139.3	2691.6	3580.3	4291.8	3464.8	2568.8	2023.3	1735.0	1708.2
65°	872.8	872.8	1249.1	1930.6	3279.8	4277.5	3178.1	1900.5	1218.0	935.5	912.3
67.5°	216.1	217.1	321.5	751.6	2231.0	3413.7	2267.4	912.3	429.0	303.6	295.7
70°	134.9	134.4	149.2	203.4	780.6	2071.8	927.1	275.1	174.5	153.9	152.8
72.5°	104.9	104.9	112.3	130.2	204.5	705.7	270.4	152.8	126.5	113.8	113.8
75°	82.7	82.7	88.0	97.5	120.7	181.8	143.9	113.3	98.0	89.6	88.5
77.5°	61.7	62.7	66.9	73.3	82.2	102.2	91.2	85.4	76.4	70.1	68.0
80°	40.1	41.6	46.9	50.6	53.8	67.5	59.6	62.2	58.0	50.6	49.5
82.5°	21.6	22.1	28.5	29.5	30.6	36.9	37.9	39.5	41.1	32.2	30.0
85°	7.9	7.9	9.5	11.1	12.1	13.2	17.9	22.1	23.2	18.4	17.9
87.5°	1.6	1.6	1.6	1.1	1.1	1.1	3.2	5.8	9.5	7.4	7.4
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)