

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: P633508

Luminaire Tested: GWS-SA2E-830-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633508  
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-SA2E-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**

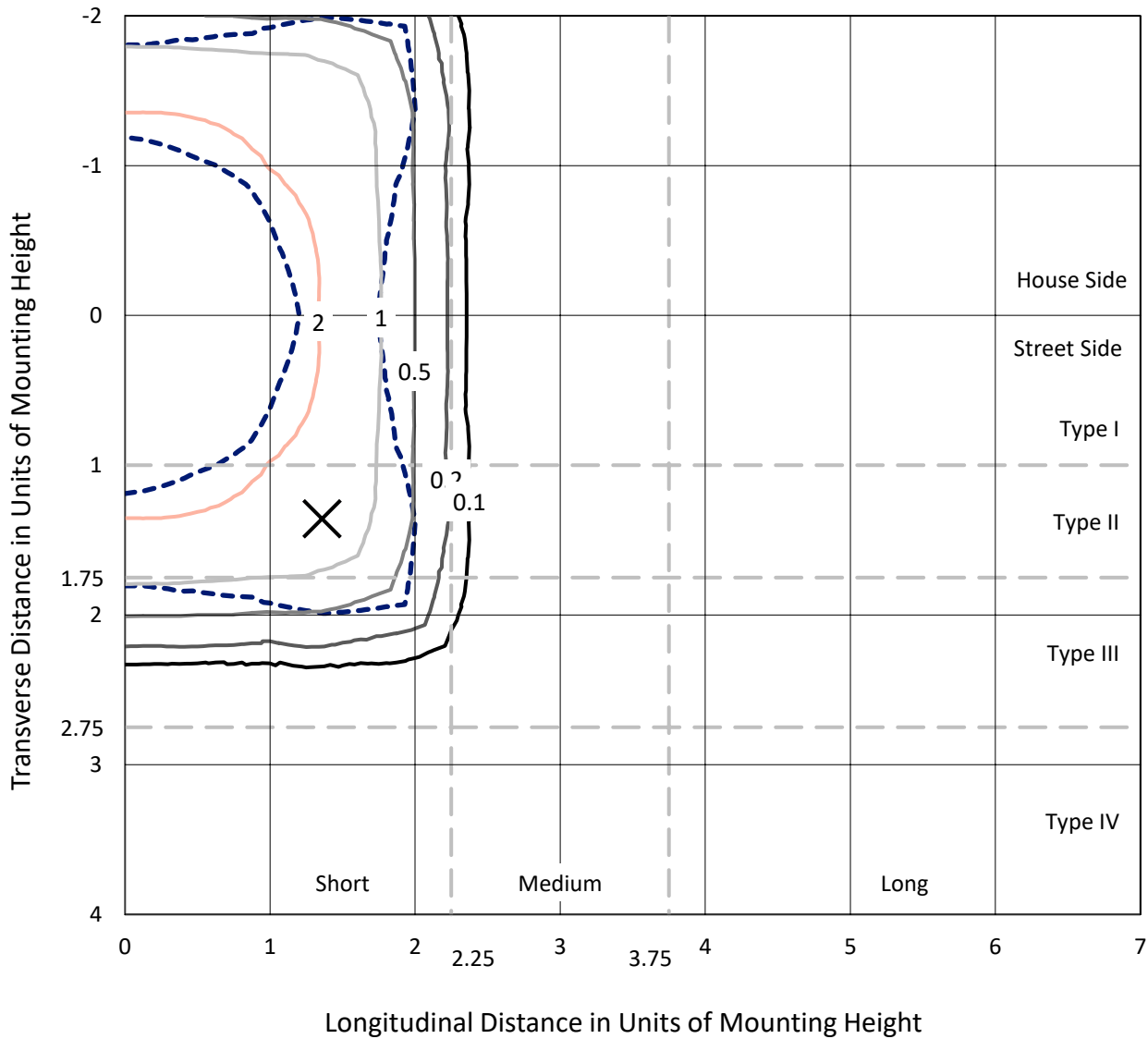
Lumens per Lamp: N/A  
Luminaire Lumens: 12114.8 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

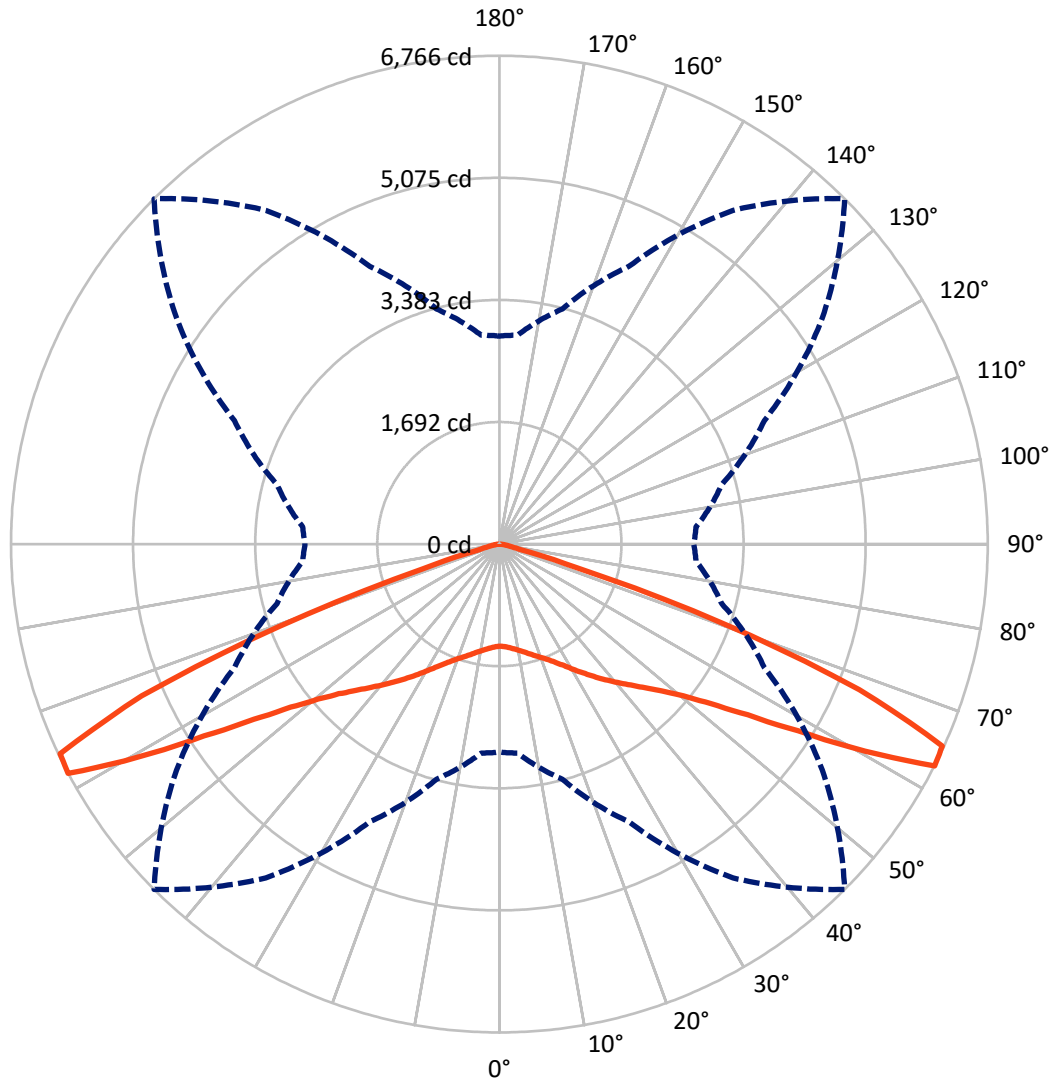
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.6 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	6057.4	0.0	6057.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6057.4	0.0	6057.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12114.8	0.0	12114.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.7	1.1
10°-20°	447.2	3.7
20°-30°	846.0	7.0
30°-40°	1424.0	11.8
40°-50°	2275.1	18.8
50°-60°	3667.3	30.3
60°-70°	2992.1	24.7
70°-80°	290.6	2.4
80°-90°	33.8	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°	12114.8	100.0
0°-180°	12114.8	100.0

**Coefficient of Utilization**



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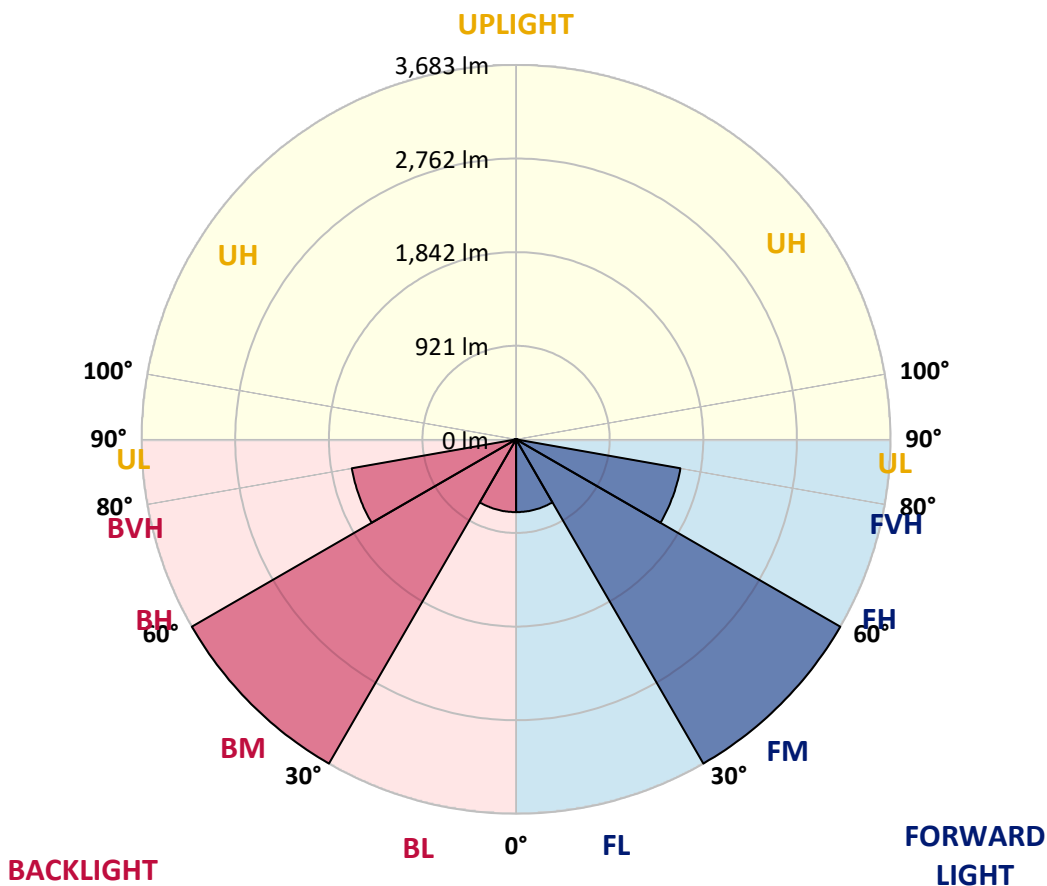
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	715.9	5.9			
FM (30°-60°)	3683.2	30.4			
FH (60°-80°)	1641.3	13.5			G1/1800
FVH (80°-90°)	16.9	0.1			G1/100
BL (0°-30°)	715.9	5.9	B2/1000		
BM (30°-60°)	3683.2	30.4	B3/5000		
BH (60°-80°)	1641.3	13.5	B3/2500		G1/1800
BVH (80°-90°)	16.9	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°	1413.4	1413.4	1413.4	1413.4	1413.4	1413.4	1413.4	1413.4	1413.4	1413.4	1413.4
2.5°	1411.7	1411.7	1415.0	1417.5	1415.8	1422.5	1421.7	1420.0	1419.2	1416.7	1424.2
5°	1430.8	1430.8	1433.3	1435.8	1431.6	1439.9	1436.6	1435.0	1434.1	1430.8	1437.5
7.5°	1452.4	1454.9	1455.7	1459.9	1457.4	1466.5	1464.0	1460.7	1459.1	1454.9	1460.7
10°	1476.5	1478.2	1479.0	1486.5	1487.3	1498.1	1495.6	1491.5	1488.1	1484.0	1492.3
12.5°	1508.9	1509.7	1512.2	1521.4	1523.9	1532.2	1531.3	1525.5	1521.4	1515.6	1524.7
15°	1550.5	1551.3	1555.4	1564.6	1568.7	1578.7	1575.4	1566.2	1560.4	1553.8	1561.3
17.5°	1593.7	1597.0	1601.1	1610.3	1616.1	1627.7	1623.6	1613.6	1608.6	1602.0	1607.0
20°	1649.3	1650.2	1652.7	1662.6	1666.8	1680.1	1680.9	1670.9	1668.4	1661.8	1669.3
22.5°	1710.8	1711.6	1714.1	1724.9	1732.4	1740.7	1745.7	1739.9	1735.7	1727.4	1736.6
25°	1778.9	1787.3	1789.8	1803.0	1811.4	1816.3	1822.2	1819.7	1813.8	1803.9	1808.0
27.5°	1874.5	1876.2	1880.3	1895.3	1900.3	1905.2	1911.1	1911.9	1903.6	1892.0	1897.8
30°	1983.3	1982.5	1991.7	2003.3	2007.4	2011.6	2019.9	2024.9	2014.1	2001.6	2007.4
32.5°	2094.7	2104.7	2116.3	2127.1	2124.6	2126.3	2139.6	2148.7	2133.7	2111.3	2116.3
35°	2220.2	2226.8	2241.8	2257.5	2254.2	2251.7	2260.0	2269.2	2248.4	2219.3	2226.8
37.5°	2348.9	2358.9	2381.3	2400.5	2395.5	2383.8	2393.0	2403.0	2383.0	2349.8	2346.5
40°	2492.7	2508.5	2540.9	2556.7	2543.4	2520.9	2536.7	2560.8	2540.9	2502.7	2493.5
42.5°	2661.4	2680.5	2712.9	2737.0	2707.9	2671.3	2697.9	2732.8	2727.8	2677.1	2661.4
45°	2869.9	2882.4	2922.3	2933.9	2890.7	2840.0	2888.2	2941.4	2928.9	2874.1	2853.3
47.5°	3096.8	3115.9	3150.8	3172.4	3102.6	3039.4	3106.7	3178.2	3164.9	3113.4	3089.3
50°	3385.9	3410.8	3456.5	3474.8	3378.4	3306.1	3392.6	3483.1	3457.4	3388.4	3356.8
52.5°	3700.8	3720.8	3798.9	3835.4	3744.9	3666.7	3742.4	3831.3	3776.4	3685.0	3642.6
55°	3978.3	3998.3	4112.9	4234.2	4230.1	4176.1	4214.3	4216.0	4067.2	3916.0	3871.1
57.5°	4038.2	4058.1	4276.6	4594.0	4818.4	4880.7	4768.5	4532.5	4157.8	3892.7	3842.1
60°	3719.1	3741.5	4088.8	4668.8	5406.6	5822.9	5306.1	4525.9	3877.8	3518.8	3470.7
62.5°	2881.5	2905.6	3372.6	4243.4	5644.3	6766.0	5462.3	4049.8	3189.8	2735.3	2692.9
65°	1376.0	1376.0	1969.2	3043.6	5170.7	6743.6	5010.3	2996.2	1920.2	1474.8	1438.3
67.5°	340.7	342.3	506.8	1184.9	3517.2	5381.7	3574.5	1438.3	676.3	478.6	466.1
70°	212.7	211.9	235.1	320.7	1230.6	3266.3	1461.5	433.7	275.0	242.6	241.0
72.5°	165.3	165.3	177.0	205.2	322.4	1112.6	426.2	241.0	199.4	179.5	179.5
75°	130.5	130.5	138.8	153.7	190.3	286.7	226.8	178.6	154.5	141.3	139.6
77.5°	97.2	98.9	105.5	115.5	129.6	161.2	143.7	134.6	120.5	110.5	107.2
80°	63.1	65.6	73.9	79.8	84.8	106.4	93.9	98.0	91.4	79.8	78.1
82.5°	34.1	34.9	44.9	46.5	48.2	58.2	59.8	62.3	64.8	50.7	47.4
85°	12.5	12.5	15.0	17.4	19.1	20.8	28.3	34.9	36.6	29.1	28.3
87.5°	2.5	2.5	2.5	1.7	1.7	1.7	5.0	9.1	15.0	11.6	11.6
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)