

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: P632521

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-830-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

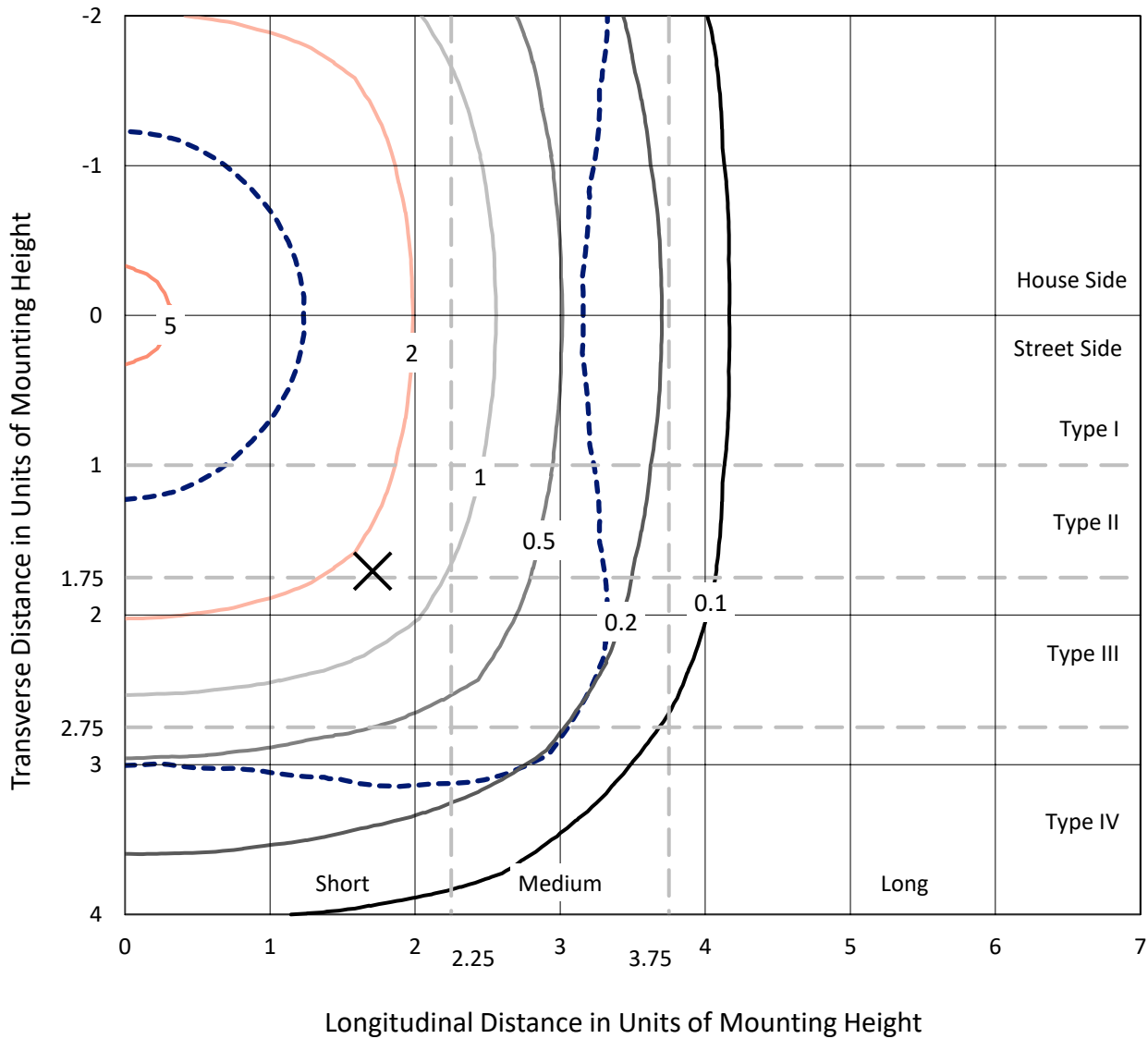
Lumens per Lamp: N/A  
Luminaire Lumens: 7453.7 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

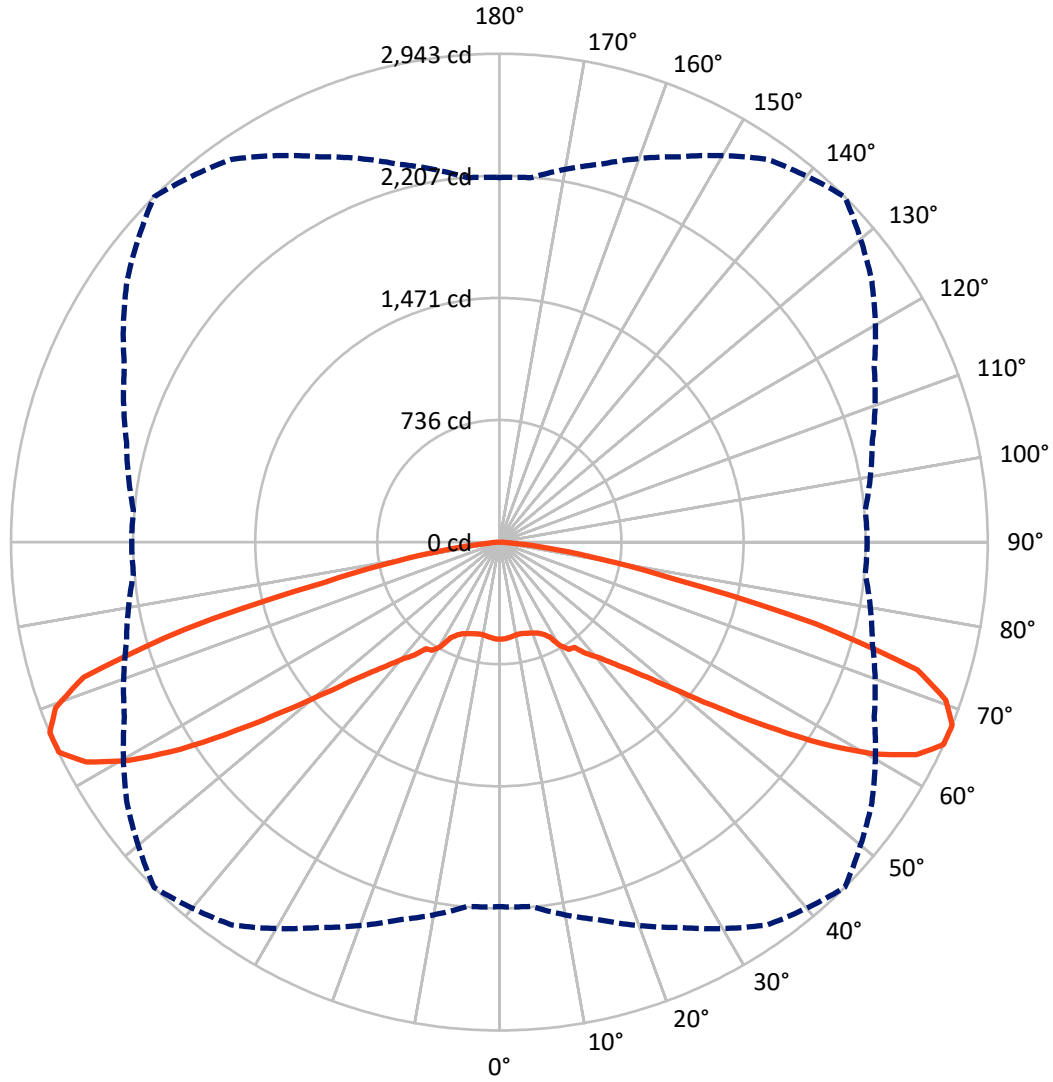
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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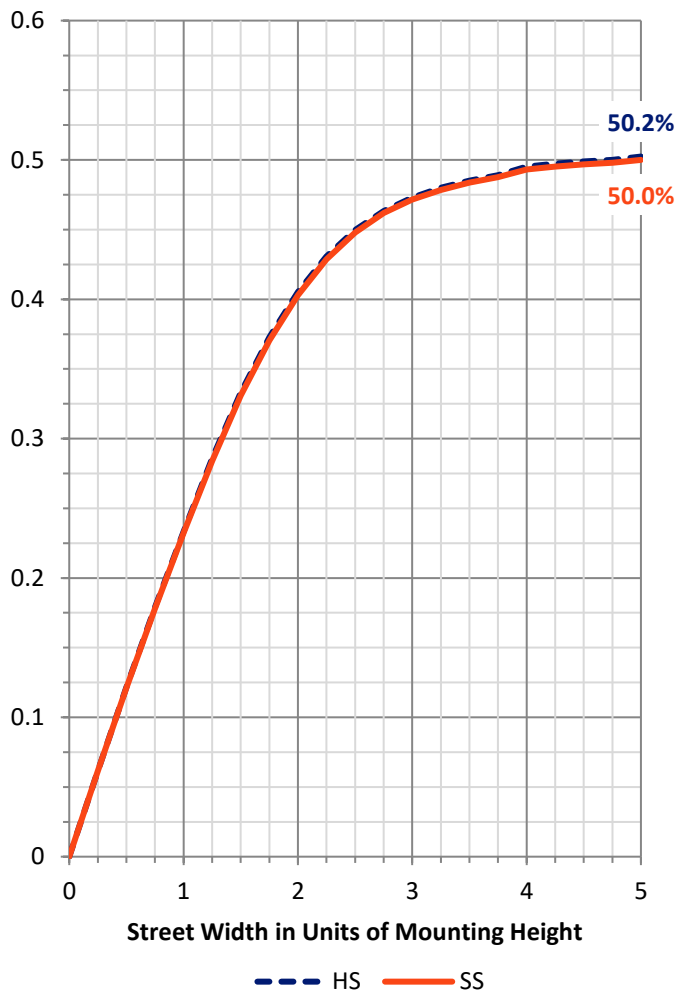
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3726.9	0.0	3726.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3726.9	0.0	3726.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7453.7	0.0	7453.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	0.7
10°-20°	162.9	2.2
20°-30°	292.2	3.9
30°-40°	493.5	6.6
40°-50°	867.2	11.6
50°-60°	1672.8	22.4
60°-70°	2427.0	32.6
70°-80°	1388.6	18.6
80°-90°	94.8	1.3
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°	7453.7	100.0
0°-180°	7453.7	100.0

**Coefficient of Utilization**



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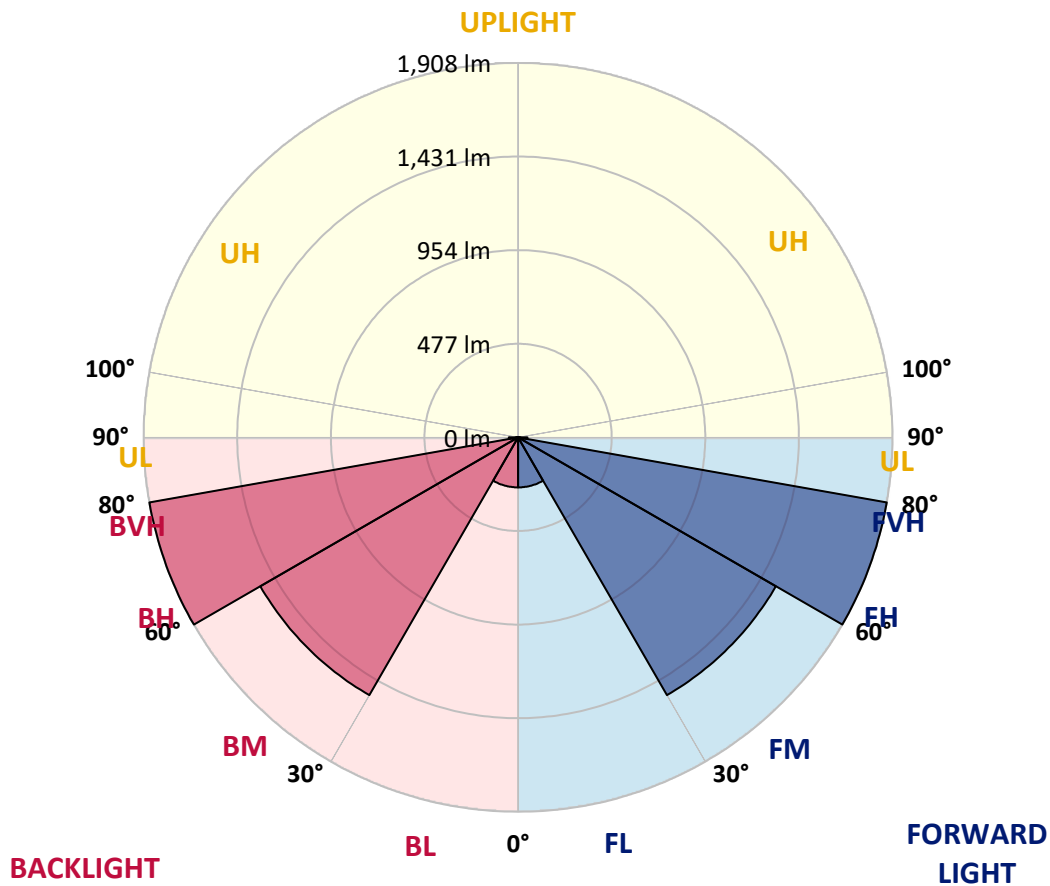
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.0	3.4			
FM (30°-60°)	1516.7	20.3			
FH (60°-80°)	1907.8	25.6			G2/5000
FVH (80°-90°)	47.4	0.6			G1/100
BL (0°-30°)	255.0	3.4	B1/500		
BM (30°-60°)	1516.7	20.3	B2/2500		
BH (60°-80°)	1907.8	25.6	B3/2500		G2/5000
BVH (80°-90°)	47.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	579.8	580.3	581.4	581.4	582.4	584.0	584.5	583.5	584.0	581.4	584.0
5°	578.2	578.7	579.3	578.2	578.2	578.7	578.7	577.7	578.2	575.6	578.2
7.5°	574.5	575.0	575.0	573.5	571.9	572.9	572.9	571.9	572.4	569.8	572.9
10°	571.3	571.3	570.8	567.7	566.1	567.7	568.2	568.7	570.8	568.7	572.4
12.5°	573.5	573.5	571.9	567.7	565.0	566.1	567.1	568.2	571.9	571.3	575.6
15°	579.3	579.8	575.6	570.8	569.2	570.8	569.8	569.2	574.0	575.6	580.3
17.5°	584.0	584.0	578.7	574.0	574.5	577.1	575.0	572.4	577.1	580.3	585.6
20°	588.2	587.7	581.9	578.7	580.8	584.5	582.9	579.3	582.4	586.1	590.8
22.5°	598.8	598.2	591.9	590.3	592.4	596.1	594.5	591.4	595.1	600.3	606.1
25°	628.8	627.7	618.3	613.0	611.9	614.6	614.0	613.0	618.8	625.1	632.0
27.5°	668.9	668.3	661.5	656.2	649.4	647.2	648.8	653.6	662.0	666.7	672.5
30°	688.9	688.9	687.8	696.3	711.0	725.3	714.2	696.3	688.9	686.8	692.6
32.5°	715.2	717.9	714.2	723.7	748.4	769.5	748.4	719.5	714.2	714.2	720.5
35°	775.8	776.9	771.1	769.5	777.4	780.1	770.1	759.5	765.3	766.4	774.3
37.5°	824.3	824.3	821.7	825.9	842.3	852.3	835.9	817.0	818.5	819.6	829.6
40°	899.2	901.3	895.0	894.4	900.8	909.7	892.3	880.2	888.6	891.3	906.6
42.5°	992.5	992.5	983.0	980.4	984.6	994.1	977.7	969.8	980.9	983.0	991.9
45°	1103.7	1106.3	1093.7	1088.9	1091.0	1094.2	1082.6	1078.9	1089.5	1094.2	1110.0
47.5°	1239.1	1241.8	1230.7	1230.2	1228.1	1230.2	1219.1	1217.0	1225.4	1221.8	1238.6
50°	1406.2	1411.0	1401.5	1414.7	1413.1	1419.4	1404.1	1393.0	1393.0	1383.0	1392.5
52.5°	1593.3	1602.8	1607.6	1629.7	1646.6	1662.4	1637.1	1619.7	1594.4	1573.8	1599.7
55°	1797.3	1794.7	1824.7	1873.2	1922.8	1960.2	1910.6	1855.8	1814.7	1772.0	1782.0
57.5°	1976.0	1985.0	2024.5	2113.0	2211.1	2290.1	2201.1	2095.6	2002.3	1941.2	1949.6
60°	2124.6	2132.0	2184.7	2312.3	2483.6	2592.7	2451.4	2277.5	2142.0	2057.7	2066.6
62.5°	2261.7	2268.5	2321.7	2462.5	2678.6	2820.9	2638.5	2400.8	2250.1	2165.2	2170.5
65°	2340.7	2344.9	2417.7	2565.8	2793.5	2940.5	2735.0	2489.9	2341.8	2255.3	2258.5
67.5°	2196.8	2203.7	2357.1	2561.6	2815.6	2942.6	2739.2	2492.5	2326.0	2213.2	2215.8
70°	1733.0	1727.2	1910.1	2261.7	2688.6	2854.1	2617.4	2305.4	2048.2	1890.6	1888.0
72.5°	1321.4	1322.9	1424.7	1665.5	2192.1	2633.8	2309.6	1856.3	1579.1	1459.5	1454.7
75°	958.2	973.0	1055.7	1232.3	1533.3	1968.6	1738.8	1375.7	1190.1	1118.4	1107.9
77.5°	431.7	450.6	566.1	773.7	1025.2	1087.9	1092.1	934.0	704.7	585.6	567.1
80°	126.0	134.9	173.4	296.7	477.5	617.2	490.2	412.2	256.7	201.3	191.9
82.5°	53.2	60.6	74.3	82.2	138.6	286.2	178.2	113.3	105.4	85.4	78.0
85°	22.7	24.2	31.1	33.2	44.8	61.1	56.4	51.1	49.0	37.9	34.8
87.5°	9.5	9.5	9.5	8.4	7.9	8.4	11.6	14.8	19.5	15.3	14.2
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)