

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: P634996

Luminaire Tested: GWS-SA3C-830-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634996  
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-SA3C-830-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

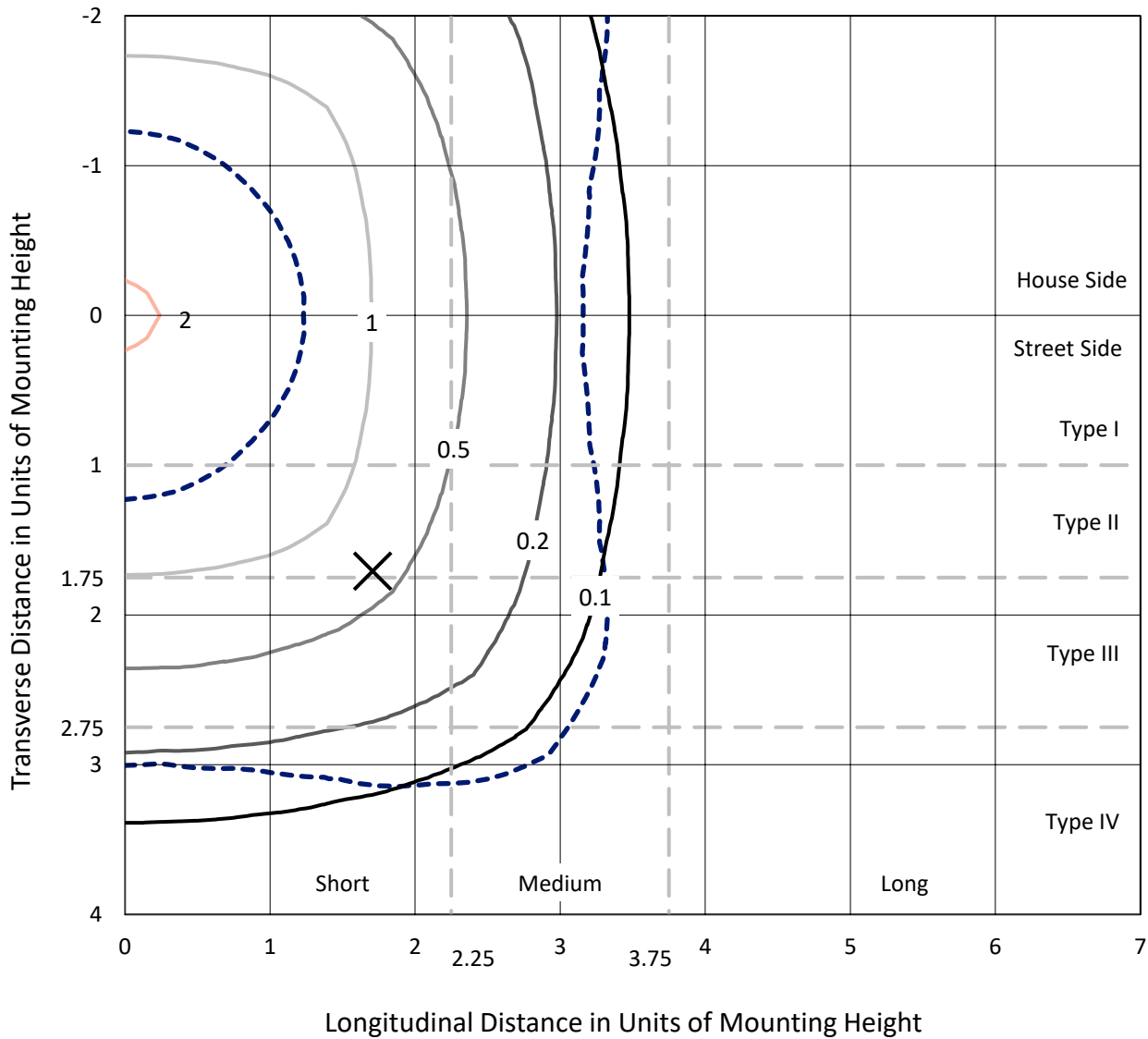
Lumens per Lamp: N/A  
Luminaire Lumens: 11234.2 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

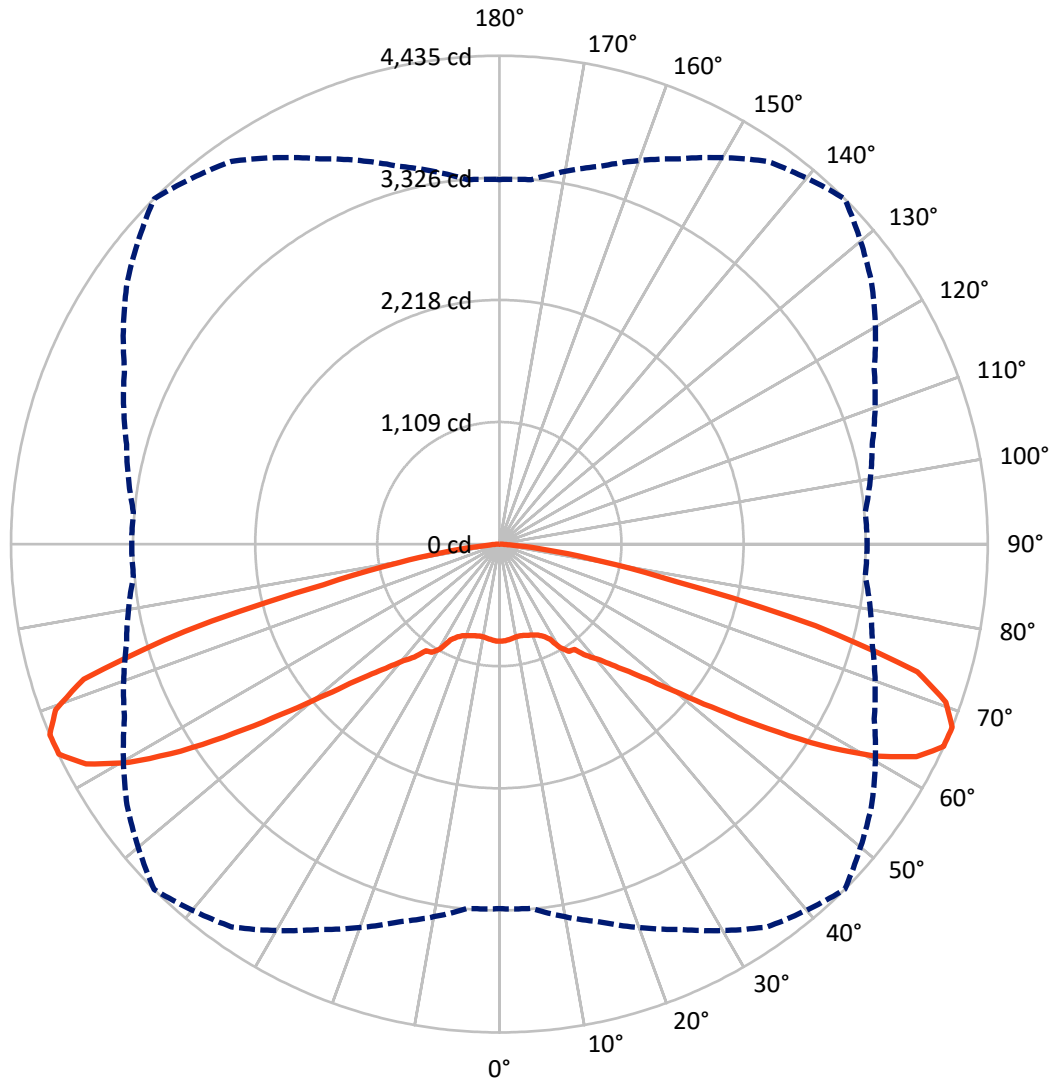
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.2 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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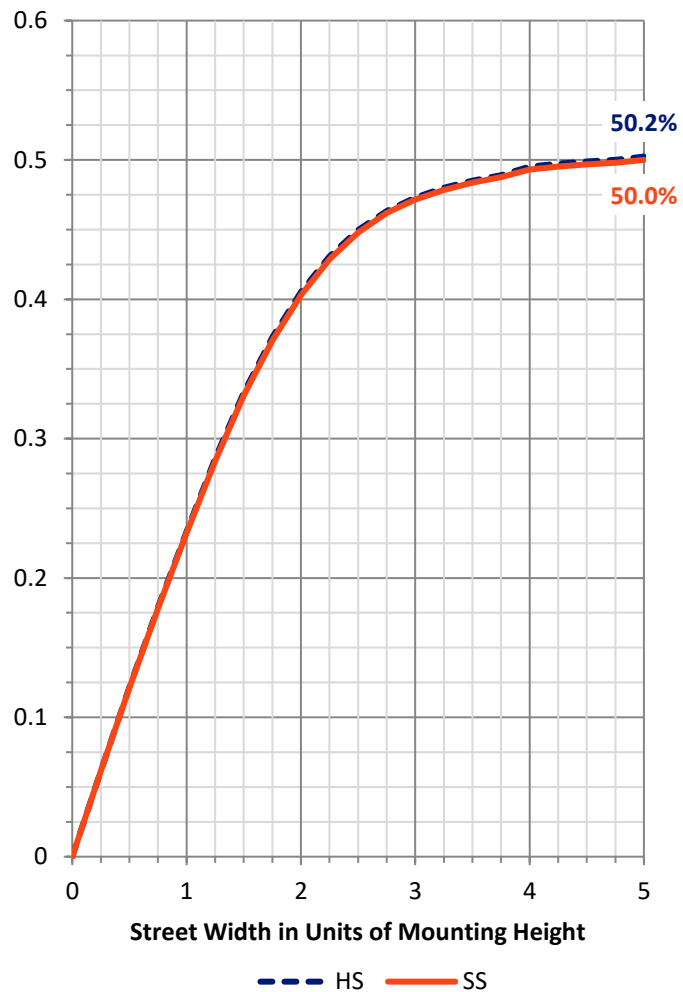
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5617.1	0.0	5617.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5617.1	0.0	5617.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11234.2	0.0	11234.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.7	0.7
10°-20°	245.5	2.2
20°-30°	440.3	3.9
30°-40°	743.9	6.6
40°-50°	1307.0	11.6
50°-60°	2521.2	22.4
60°-70°	3657.9	32.6
70°-80°	2092.9	18.6
80°-90°	142.8	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°	11234.2	100.0
0°-180°	11234.2	100.0

**Coefficient of Utilization**



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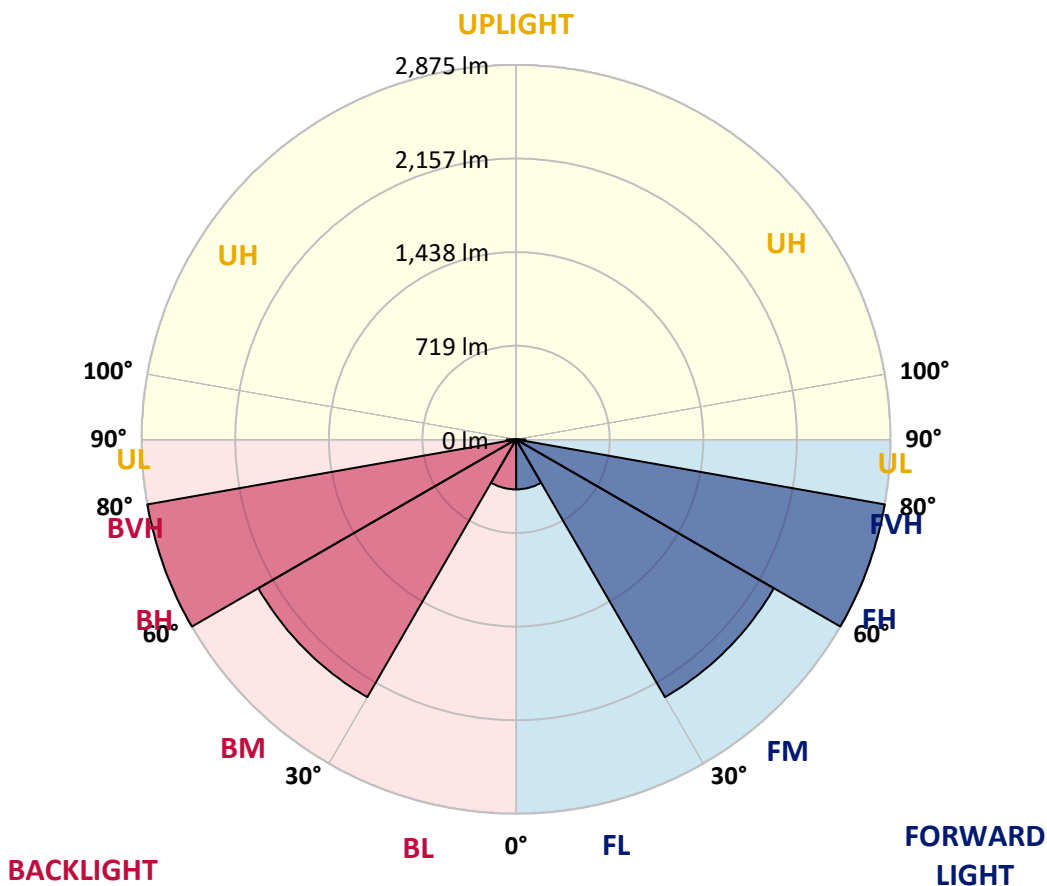
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.3	3.4			
FM (30°-60°)	2286.0	20.3			
FH (60°-80°)	2875.4	25.6			G2/5000
FVH (80°-90°)	71.4	0.6			G1/100
BL (0°-30°)	384.3	3.4	B1/500		
BM (30°-60°)	2286.0	20.3	B2/2500		
BH (60°-80°)	2875.4	25.6	B4/5000		G2/5000
BVH (80°-90°)	71.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	881.0	881.0	881.0	881.0	881.0	881.0	881.0	881.0	881.0	881.0	881.0
2.5°	873.8	874.6	876.2	876.2	877.8	880.2	881.0	879.4	880.2	876.2	880.2
5°	871.5	872.3	873.0	871.5	871.5	872.3	872.3	870.7	871.5	867.5	871.5
7.5°	865.9	866.7	866.7	864.3	861.9	863.5	863.5	861.9	862.7	858.7	863.5
10°	861.1	861.1	860.3	855.6	853.2	855.6	856.4	857.2	860.3	857.2	862.7
12.5°	864.3	864.3	861.9	855.6	851.6	853.2	854.8	856.4	861.9	861.1	867.5
15°	873.0	873.8	867.5	860.3	858.0	860.3	858.7	858.0	865.1	867.5	874.6
17.5°	880.2	880.2	872.3	865.1	865.9	869.9	866.7	862.7	869.9	874.6	882.6
20°	886.6	885.8	877.0	872.3	875.4	881.0	878.6	873.0	877.8	883.4	890.5
22.5°	902.4	901.6	892.1	889.7	892.9	898.5	896.1	891.3	896.9	904.8	913.6
25°	947.7	946.1	931.8	923.9	922.3	926.3	925.5	923.9	932.6	942.2	952.5
27.5°	1008.1	1007.3	997.0	989.0	978.7	975.5	977.9	985.1	997.8	1004.9	1013.7
30°	1038.3	1038.3	1036.7	1049.4	1071.6	1093.1	1076.4	1049.4	1038.3	1035.1	1043.8
32.5°	1078.0	1082.0	1076.4	1090.7	1128.0	1159.8	1128.0	1084.4	1076.4	1076.4	1085.9
35°	1169.4	1170.9	1162.2	1159.8	1171.7	1175.7	1160.6	1144.7	1153.5	1155.1	1167.0
37.5°	1242.4	1242.4	1238.5	1244.8	1269.5	1284.5	1259.9	1231.3	1233.7	1235.3	1250.4
40°	1355.2	1358.4	1348.9	1348.1	1357.6	1371.1	1344.9	1326.6	1339.4	1343.3	1366.4
42.5°	1495.9	1495.9	1481.6	1477.6	1483.9	1498.2	1473.6	1461.7	1478.4	1481.6	1495.1
45°	1663.5	1667.4	1648.4	1641.2	1644.4	1649.2	1631.7	1626.1	1642.0	1649.2	1673.0
47.5°	1867.6	1871.6	1854.9	1854.1	1851.0	1854.1	1837.4	1834.3	1847.0	1841.4	1866.8
50°	2119.5	2126.6	2112.3	2132.2	2129.8	2139.3	2116.3	2099.6	2099.6	2084.5	2098.8
52.5°	2401.5	2415.8	2422.9	2456.3	2481.7	2505.5	2467.4	2441.2	2403.1	2372.1	2411.0
55°	2708.9	2704.9	2750.2	2823.3	2898.0	2954.4	2879.7	2797.1	2735.1	2670.8	2685.9
57.5°	2978.2	2991.7	3051.3	3184.8	3332.5	3451.7	3317.4	3158.5	3017.9	2925.8	2938.5
60°	3202.2	3213.4	3292.8	3485.0	3743.2	3907.7	3694.8	3432.6	3228.4	3101.3	3114.8
62.5°	3408.8	3419.1	3499.3	3711.4	4037.1	4251.6	3976.8	3618.5	3391.3	3263.4	3271.3
65°	3527.9	3534.3	3643.9	3867.1	4210.3	4432.0	4122.1	3752.7	3529.5	3399.2	3404.0
67.5°	3311.1	3321.4	3552.6	3860.8	4243.7	4435.1	4128.5	3756.7	3505.7	3335.7	3339.7
70°	2612.0	2603.3	2878.9	3408.8	4052.2	4301.7	3945.0	3474.7	3087.0	2849.5	2845.5
72.5°	1991.6	1993.9	2147.3	2510.3	3303.9	3969.6	3481.1	2797.9	2380.0	2199.7	2192.5
75°	1444.2	1466.5	1591.2	1857.3	2310.9	2967.1	2620.7	2073.4	1793.8	1685.7	1669.8
77.5°	650.6	679.2	853.2	1166.2	1545.1	1639.6	1646.0	1407.7	1062.1	882.6	854.8
80°	189.9	203.4	261.4	447.2	719.7	930.2	738.8	621.2	386.9	303.5	289.2
82.5°	80.2	91.4	112.0	123.9	208.9	431.4	268.5	170.8	158.9	128.7	117.6
85°	34.2	36.5	46.9	50.0	67.5	92.2	85.0	77.1	73.9	57.2	52.4
87.5°	14.3	14.3	14.3	12.7	11.9	12.7	17.5	22.2	29.4	23.0	21.4
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)