

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: P637190

Luminaire Tested: GWS-SA4C-735-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637190  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4C-735-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

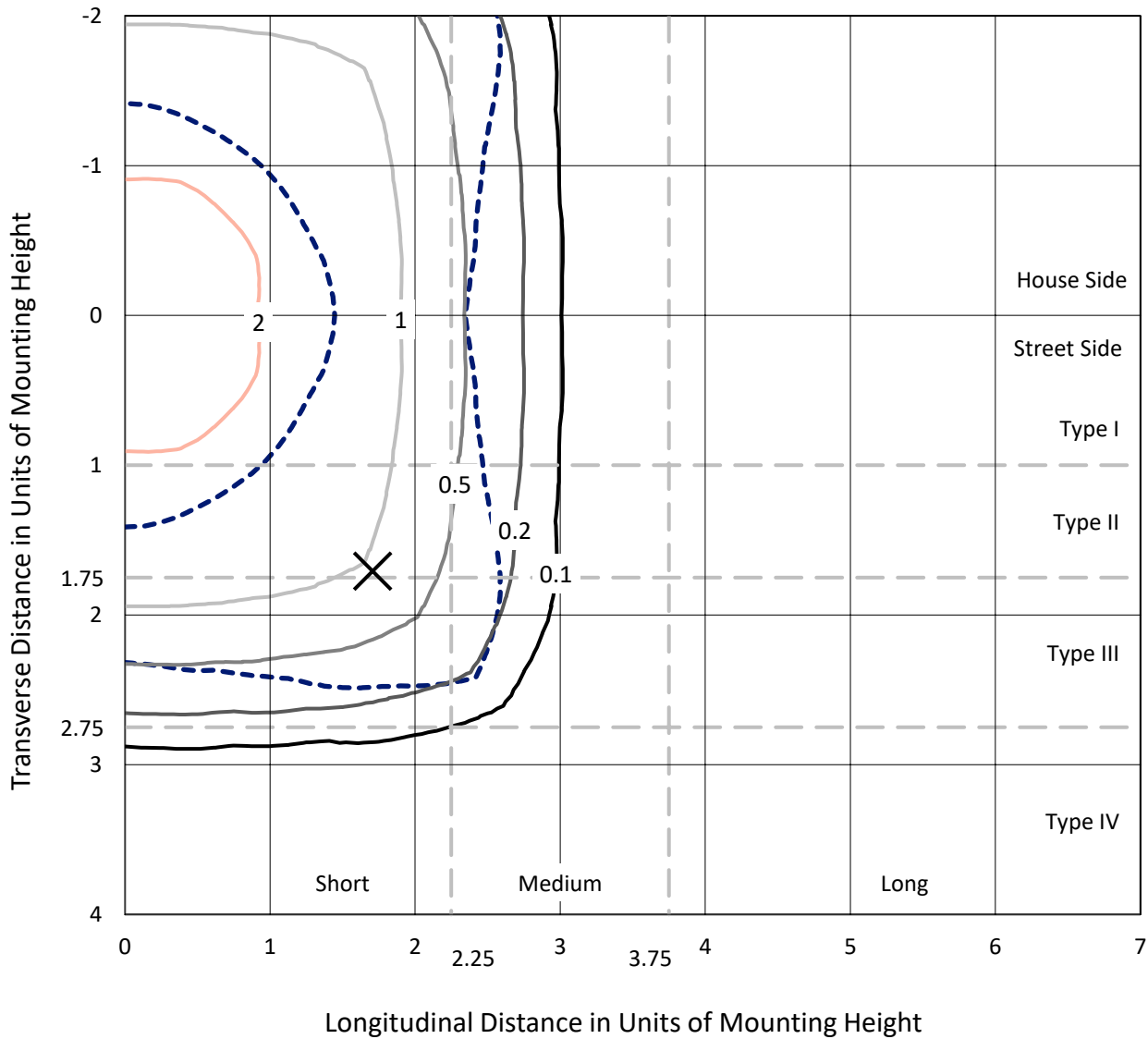
Lumens per Lamp: N/A  
Luminaire Lumens: 19827 lumens  
Efficiency: N/A  
Efficacy: 154.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

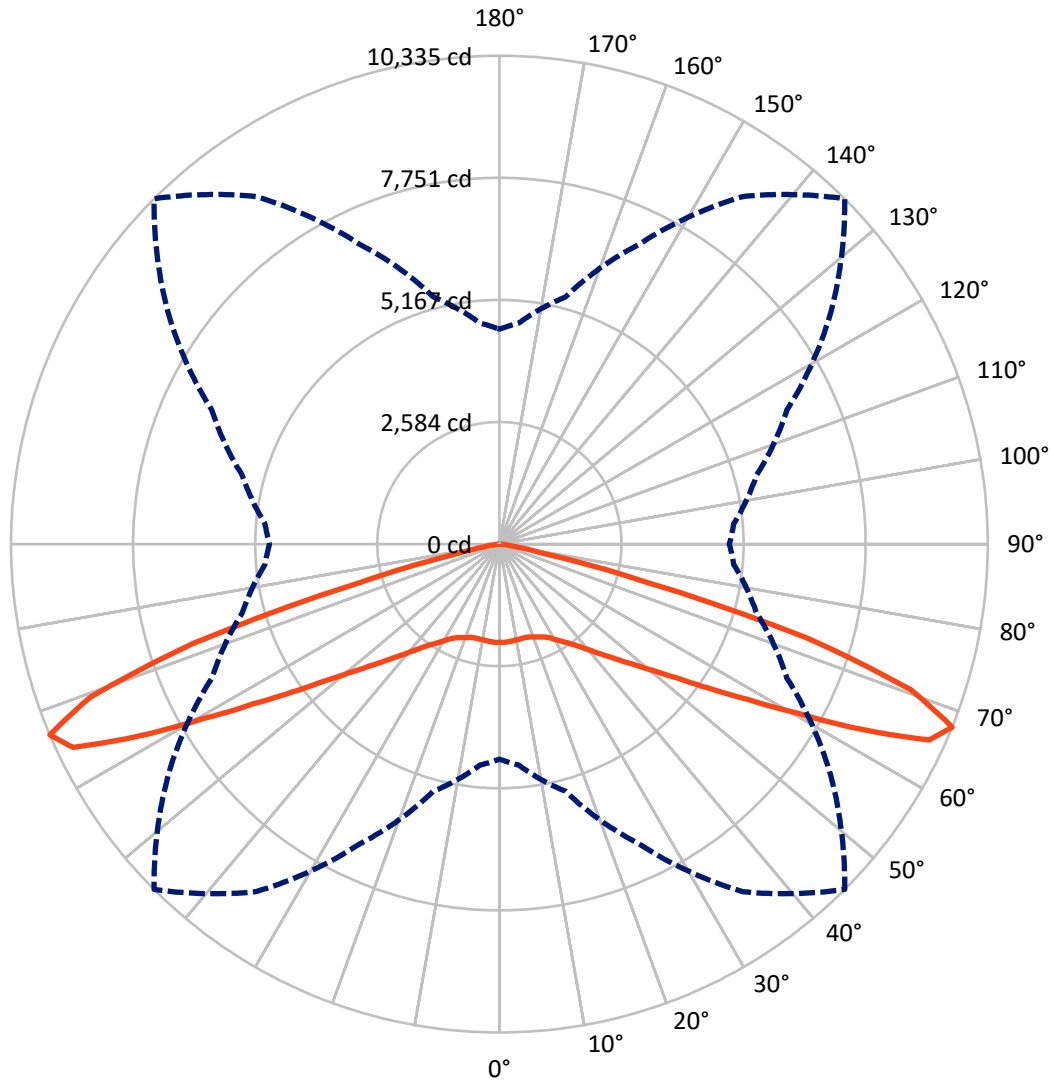
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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CATALOG NUMBER: GWS-SA4C-735-U-5MQ-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9913.5	0.0	9913.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9913.5	0.0	9913.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19827.0	0.0	19827.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.5	1.0
10°-20°	577.3	2.9
20°-30°	995.6	5.0
30°-40°	1618.9	8.2
40°-50°	2725.8	13.7
50°-60°	4829.6	24.4
60°-70°	6903.6	34.8
70°-80°	1894.8	9.6
80°-90°	84.9	0.4
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°	19827.0	100.0
0°-180°	19827.0	100.0

**Coefficient of Utilization**



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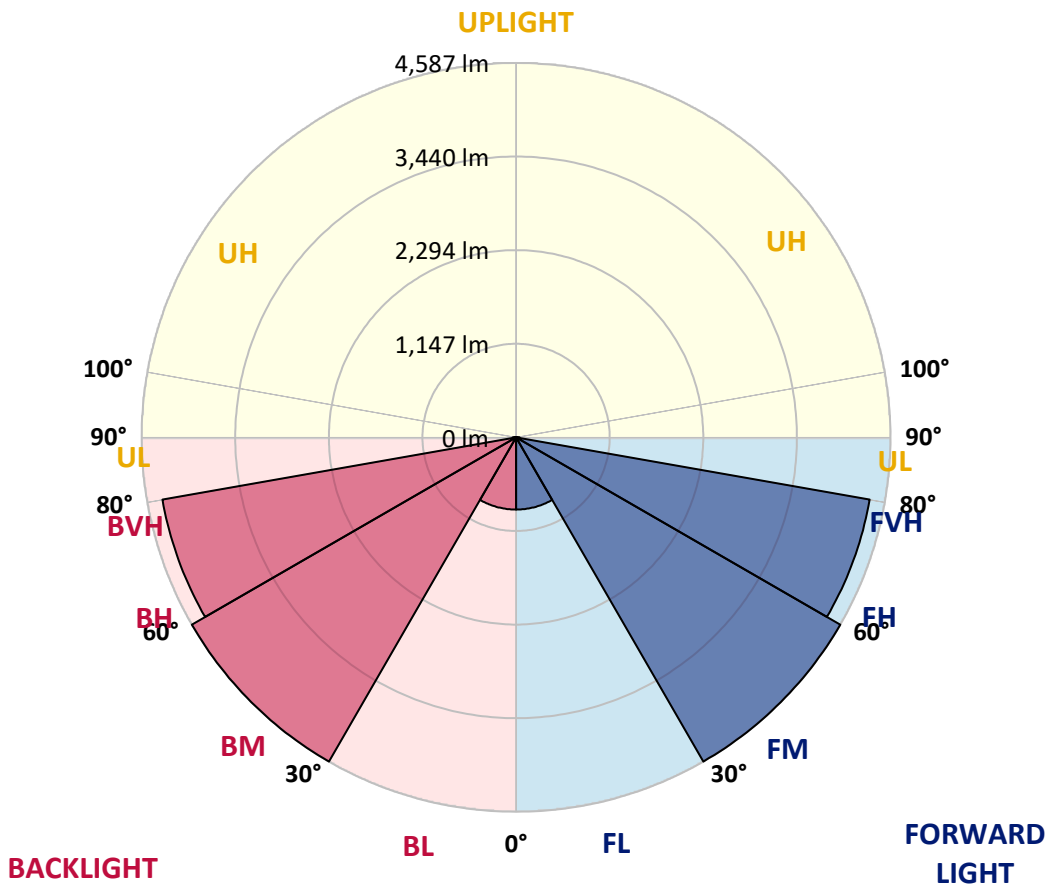
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.7	4.5			
FM (30°-60°)	4587.2	23.1			
FH (60°-80°)	4399.2	22.2			G2/5000
FVH (80°-90°)	42.4	0.2			G1/100
BL (0°-30°)	884.7	4.5	B2/1000		
BM (30°-60°)	4587.2	23.1	B3/5000		
BH (60°-80°)	4399.2	22.2	B4/5000		G2/5000
BVH (80°-90°)	42.4	0.2			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°	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5	2076.5
2.5°	2062.8	2061.4	2068.3	2072.4	2071.0	2080.6	2079.3	2076.5	2076.5	2072.4	2083.4
5°	2062.8	2061.4	2066.9	2068.3	2065.5	2073.8	2071.0	2068.3	2068.3	2062.8	2072.4
7.5°	2051.8	2053.2	2057.3	2060.1	2057.3	2064.2	2060.1	2054.6	2053.2	2047.7	2057.3
10°	2031.2	2032.6	2036.7	2043.6	2045.0	2057.3	2050.5	2040.8	2036.7	2031.2	2040.8
12.5°	2018.9	2020.3	2024.4	2032.6	2035.4	2051.8	2045.0	2029.9	2023.0	2017.5	2027.1
15°	2016.1	2017.5	2023.0	2031.2	2035.4	2051.8	2045.0	2027.1	2017.5	2010.7	2018.9
17.5°	2016.1	2018.9	2027.1	2039.5	2047.7	2064.2	2055.9	2035.4	2021.6	2009.3	2017.5
20°	2017.5	2021.6	2034.0	2051.8	2072.4	2095.7	2084.8	2057.3	2038.1	2023.0	2028.5
22.5°	2029.9	2036.7	2051.8	2075.2	2105.4	2132.8	2123.2	2086.1	2058.7	2038.1	2043.6
25°	2072.4	2075.2	2094.4	2124.6	2153.4	2176.7	2167.1	2132.8	2098.5	2073.8	2080.6
27.5°	2147.9	2154.8	2171.2	2202.8	2227.5	2239.9	2238.5	2215.1	2180.8	2158.9	2164.4
30°	2238.5	2245.3	2267.3	2303.0	2327.7	2341.4	2337.3	2319.5	2287.9	2257.7	2263.2
32.5°	2344.2	2346.9	2373.0	2412.8	2438.9	2459.4	2445.7	2426.5	2386.7	2351.0	2353.8
35°	2478.7	2482.8	2510.2	2547.3	2567.9	2584.3	2581.6	2562.4	2519.8	2481.4	2491.0
37.5°	2647.5	2650.2	2674.9	2721.6	2738.1	2750.4	2753.2	2743.5	2699.6	2650.2	2659.8
40°	2857.5	2858.8	2886.3	2927.5	2945.3	2953.5	2954.9	2956.3	2911.0	2873.9	2871.2
42.5°	3101.8	3108.6	3147.0	3186.8	3195.1	3191.0	3204.7	3218.4	3174.5	3123.7	3127.8
45°	3394.1	3398.2	3450.4	3494.3	3479.2	3465.5	3491.5	3519.0	3479.2	3413.3	3394.1
47.5°	3739.9	3748.2	3804.5	3848.4	3823.7	3799.0	3841.5	3870.3	3805.8	3735.8	3718.0
50°	4131.1	4136.6	4216.2	4271.1	4242.3	4197.0	4250.5	4280.7	4194.2	4107.8	4069.3
52.5°	4593.6	4582.6	4688.3	4784.4	4766.5	4707.5	4751.4	4756.9	4627.9	4505.8	4467.4
55°	5157.7	5146.7	5252.4	5358.1	5402.0	5386.9	5366.3	5333.4	5142.6	5012.2	4976.5
57.5°	5815.1	5780.8	5929.0	6071.8	6167.8	6195.3	6107.4	6030.6	5879.6	5719.0	5677.9
60°	6425.8	6424.5	6659.2	6906.2	7169.7	7279.5	7057.2	6848.6	6509.6	6217.2	6158.2
62.5°	6597.4	6626.2	7010.5	7622.6	8273.2	8661.6	8075.5	7385.2	6730.5	6290.0	6211.7
65°	6174.7	6246.1	6792.3	7758.5	9043.1	9992.9	8669.8	7397.5	6484.9	5935.9	5853.5
67.5°	4551.1	4693.8	5417.1	7000.9	8977.2	10334.6	8564.1	6712.7	5632.6	4979.3	4865.4
70°	2245.3	2381.2	2954.9	4606.0	7386.6	9238.0	7409.9	5058.9	3804.5	3175.9	3071.6
72.5°	826.2	881.1	1106.2	1970.8	4076.2	6823.9	5067.1	2825.9	1843.2	1467.2	1397.2
75°	404.9	414.5	448.8	661.5	1504.2	3211.6	2381.2	1084.2	678.0	590.2	570.9
77.5°	258.0	262.1	278.6	315.7	483.1	1011.5	721.9	428.2	332.1	318.4	318.4
80°	144.1	148.2	170.2	196.3	226.5	347.2	259.4	256.6	218.2	190.8	186.7
82.5°	68.6	75.5	108.4	107.1	119.4	174.3	152.3	138.6	140.0	105.7	100.2
85°	31.6	31.6	42.5	50.8	53.5	59.0	70.0	79.6	78.2	53.5	57.6
87.5°	15.1	15.1	15.1	13.7	12.4	11.0	15.1	24.7	35.7	24.7	23.3
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)