

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: P637355

Luminaire Tested: GWS-SA4C-760-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637355  
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-760-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (64) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20281.4 lumens  
Efficiency: N/A  
Efficacy: 157.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

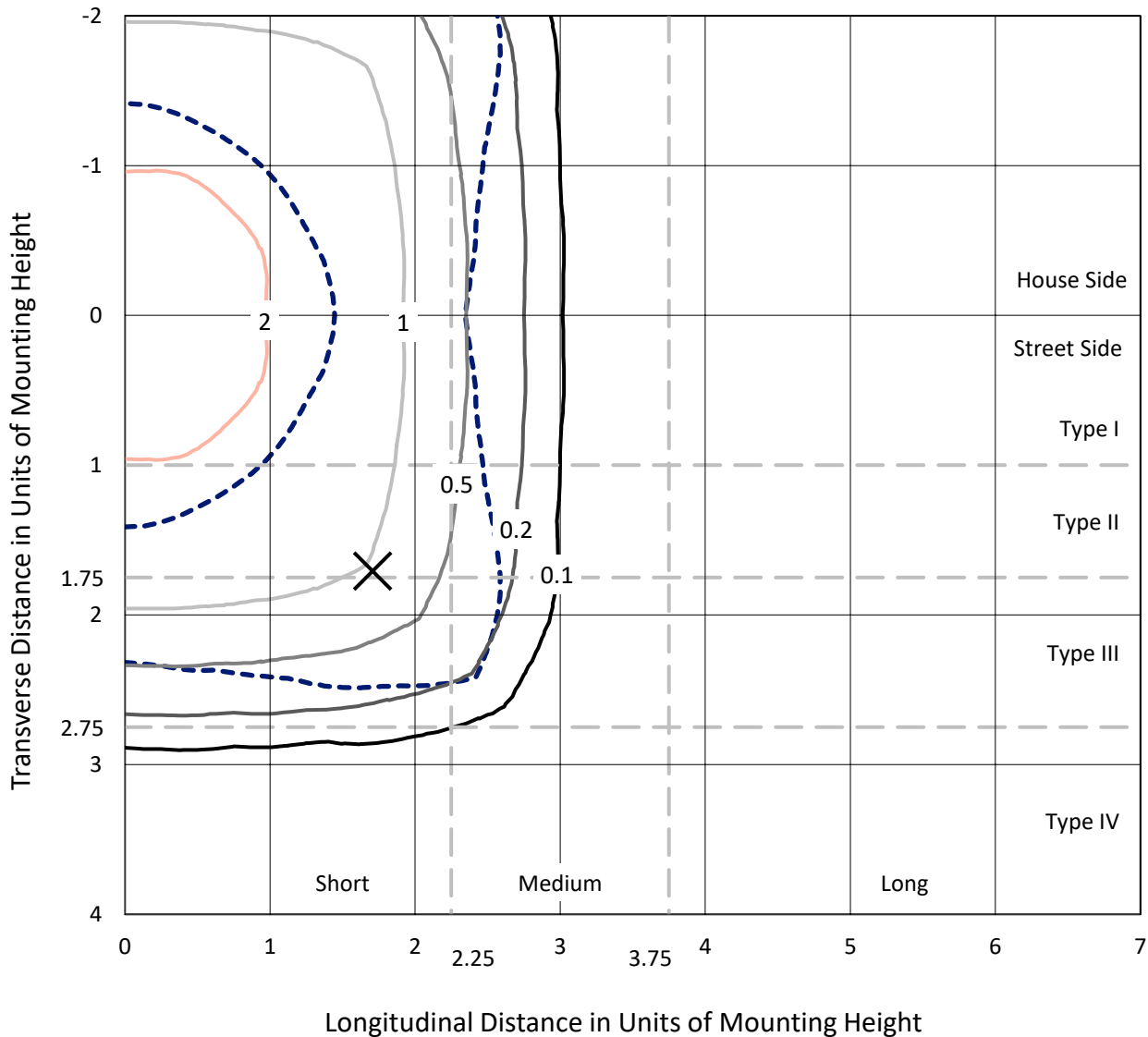
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

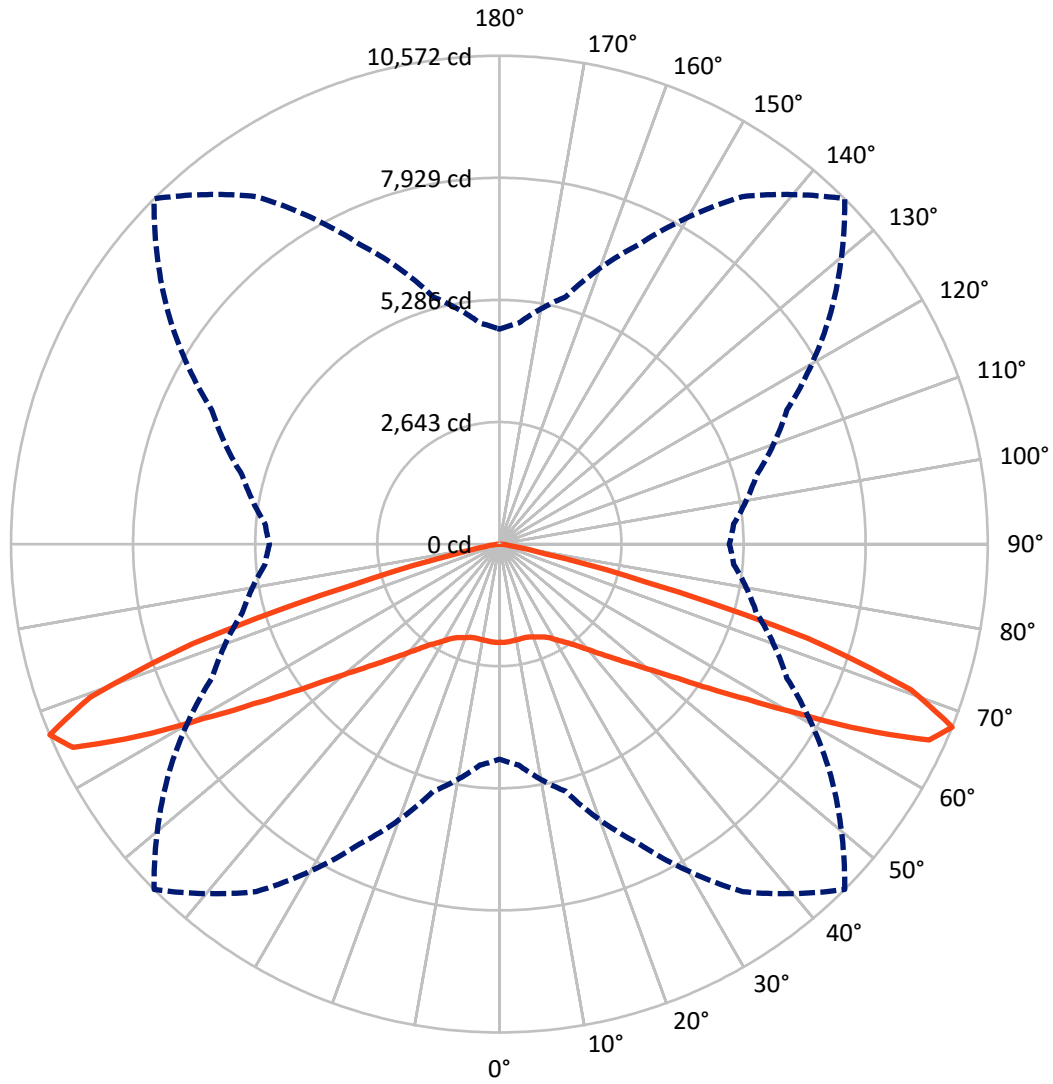
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	10140.7	0.0	10140.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10140.7	0.0	10140.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20281.4	0.0	20281.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.0	1.0
10°-20°	590.5	2.9
20°-30°	1018.4	5.0
30°-40°	1656.0	8.2
40°-50°	2788.3	13.7
50°-60°	4940.3	24.4
60°-70°	7061.9	34.8
70°-80°	1938.2	9.6
80°-90°	86.8	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°	20281.4	100.0
0°-180°	20281.4	100.0

**Coefficient of Utilization**



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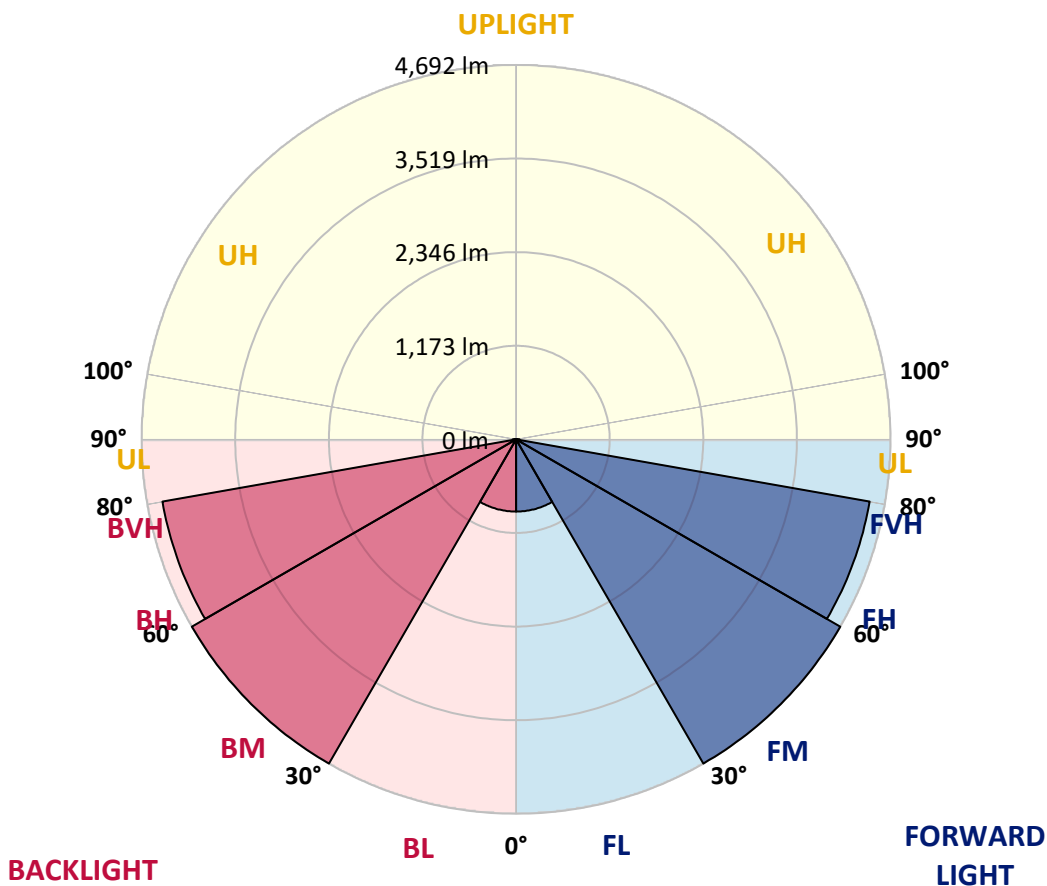
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.0	4.5			
FM (30°-60°)	4692.3	23.1			
FH (60°-80°)	4500.0	22.2			G2/5000
FVH (80°-90°)	43.4	0.2			G1/100
BL (0°-30°)	905.0	4.5	B2/1000		
BM (30°-60°)	4692.3	23.1	B3/5000		
BH (60°-80°)	4500.0	22.2	B4/5000		G2/5000
BVH (80°-90°)	43.4	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°	2124.1	2124.1	2124.1	2124.1	2124.1	2124.1	2124.1	2124.1	2124.1	2124.1	2124.1
2.5°	2110.1	2108.7	2115.7	2119.9	2118.5	2128.3	2126.9	2124.1	2124.1	2119.9	2131.1
5°	2110.1	2108.7	2114.3	2115.7	2112.9	2121.3	2118.5	2115.7	2115.7	2110.1	2119.9
7.5°	2098.8	2100.3	2104.5	2107.3	2104.5	2111.5	2107.3	2101.7	2100.3	2094.6	2104.5
10°	2077.8	2079.2	2083.4	2090.4	2091.8	2104.5	2097.4	2087.6	2083.4	2077.8	2087.6
12.5°	2065.2	2066.6	2070.8	2079.2	2082.0	2098.8	2091.8	2076.4	2069.4	2063.8	2073.6
15°	2062.3	2063.8	2069.4	2077.8	2082.0	2098.8	2091.8	2073.6	2063.8	2056.7	2065.2
17.5°	2062.3	2065.2	2073.6	2086.2	2094.6	2111.5	2103.1	2082.0	2068.0	2055.3	2063.8
20°	2063.8	2068.0	2080.6	2098.8	2119.9	2143.8	2132.5	2104.5	2084.8	2069.4	2075.0
22.5°	2076.4	2083.4	2098.8	2122.7	2153.6	2181.7	2171.9	2133.9	2105.9	2084.8	2090.4
25°	2119.9	2122.7	2142.4	2173.3	2202.7	2226.6	2216.8	2181.7	2146.6	2121.3	2128.3
27.5°	2197.1	2204.1	2221.0	2253.3	2278.5	2291.2	2289.8	2265.9	2230.8	2208.4	2214.0
30°	2289.8	2296.8	2319.3	2355.8	2381.0	2395.1	2390.9	2372.6	2340.3	2309.4	2315.1
32.5°	2397.9	2400.7	2427.4	2468.1	2494.8	2515.8	2501.8	2482.1	2441.4	2404.9	2407.7
35°	2535.5	2539.7	2567.8	2605.7	2626.7	2643.6	2640.8	2621.1	2577.6	2538.3	2548.1
37.5°	2708.1	2711.0	2736.2	2784.0	2800.8	2813.4	2816.2	2806.4	2761.5	2711.0	2720.8
40°	2922.9	2924.3	2952.4	2994.5	3012.8	3021.2	3022.6	3024.0	2977.7	2939.8	2937.0
42.5°	3172.8	3179.9	3219.2	3259.9	3268.3	3264.1	3278.1	3292.2	3247.2	3195.3	3199.5
45°	3471.9	3476.1	3529.4	3574.4	3558.9	3544.9	3571.6	3599.6	3558.9	3491.5	3471.9
47.5°	3825.7	3834.1	3891.6	3936.6	3911.3	3886.0	3929.6	3959.0	3893.0	3821.4	3803.2
50°	4225.8	4231.4	4312.8	4369.0	4339.5	4293.2	4347.9	4378.8	4290.4	4201.9	4162.6
52.5°	4698.9	4687.7	4795.8	4894.0	4875.8	4815.4	4860.3	4866.0	4734.0	4609.0	4569.7
55°	5275.9	5264.7	5372.8	5480.9	5525.8	5510.4	5489.3	5455.6	5260.5	5127.1	5090.6
57.5°	5948.4	5913.3	6064.9	6210.9	6309.2	6337.3	6247.4	6168.8	6014.4	5850.1	5808.0
60°	6573.1	6571.7	6811.8	7064.5	7334.0	7446.4	7218.9	7005.5	6658.8	6359.7	6299.4
62.5°	6748.6	6778.1	7171.2	7797.3	8462.8	8860.1	8260.6	7554.5	6884.8	6434.1	6354.1
65°	6316.2	6389.2	6948.0	7936.3	9250.4	10221.9	8868.5	7567.1	6633.5	6071.9	5987.7
67.5°	4655.4	4801.4	5541.2	7161.4	9183.0	10571.5	8760.4	6866.5	5761.7	5093.4	4976.9
70°	2296.8	2435.8	3022.6	4711.5	7555.9	9449.7	7579.7	5174.8	3891.6	3248.7	3142.0
72.5°	845.2	901.3	1131.6	2016.0	4169.6	6980.3	5183.2	2890.7	1885.5	1500.8	1429.2
75°	414.2	424.0	459.1	676.7	1538.7	3285.2	2435.8	1109.1	693.5	603.7	584.0
77.5°	263.9	268.1	285.0	322.9	494.2	1034.7	738.5	438.0	339.7	325.7	325.7
80°	147.4	151.6	174.1	200.8	231.6	355.2	265.3	262.5	223.2	195.1	190.9
82.5°	70.2	77.2	110.9	109.5	122.1	178.3	155.8	141.8	143.2	108.1	102.5
85°	32.3	32.3	43.5	51.9	54.8	60.4	71.6	81.4	80.0	54.8	59.0
87.5°	15.4	15.4	15.4	14.0	12.6	11.2	15.4	25.3	36.5	25.3	23.9
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)