

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: P641973

Luminaire Tested: GWS-SA6C-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-722-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

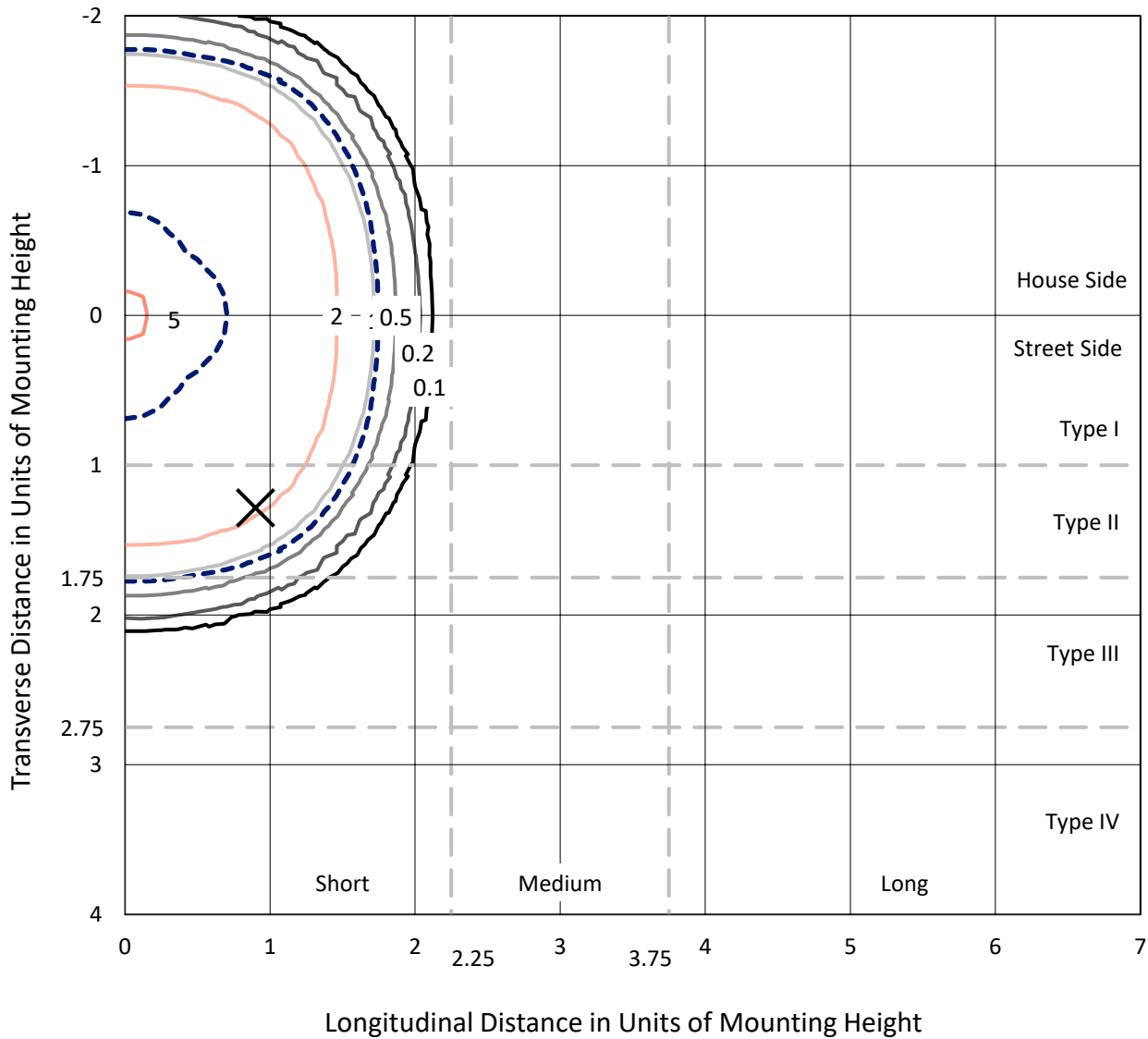
Lumens per Lamp: N/A  
Luminaire Lumens: 12779.1 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

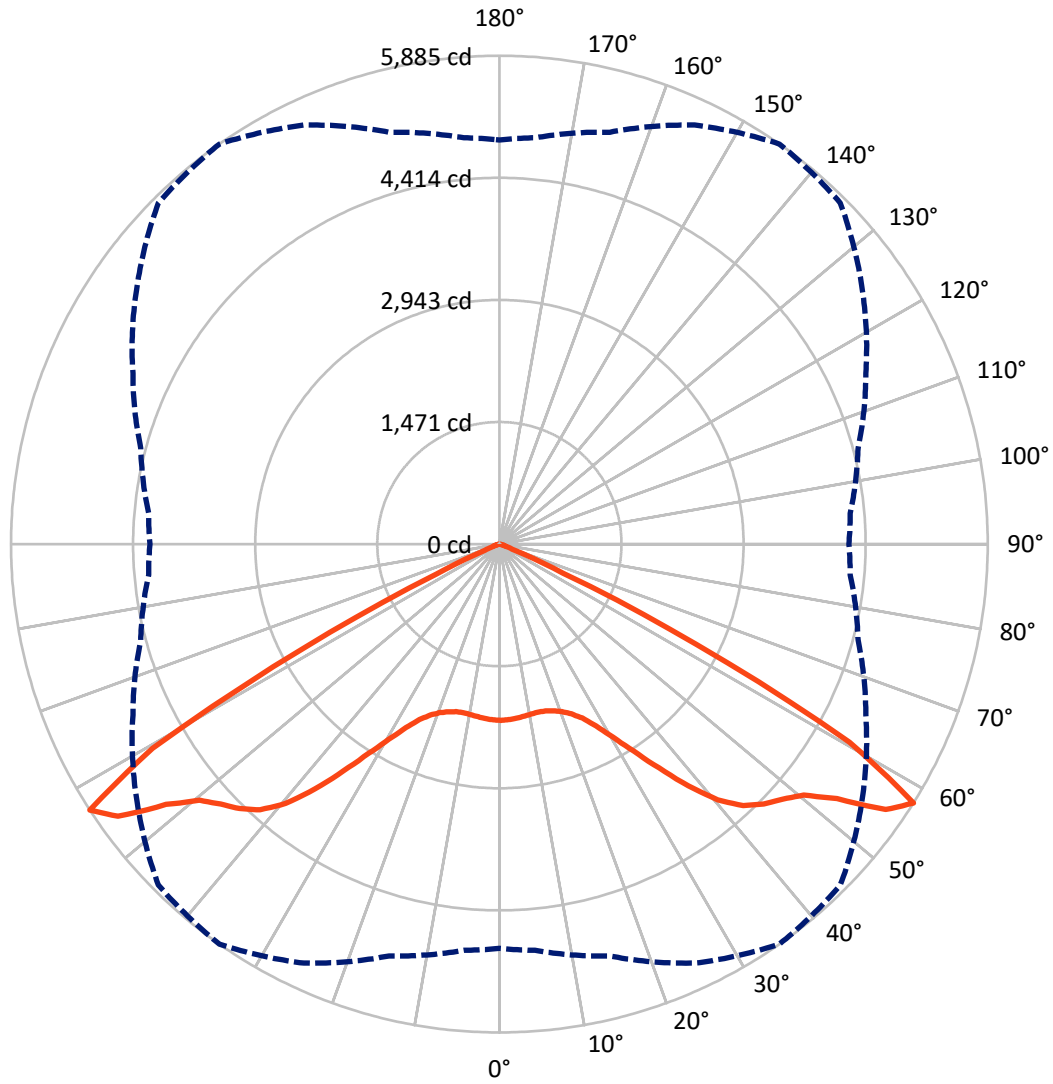
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6389.6	0.0	6389.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6389.6	0.0	6389.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12779.1	0.0	12779.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.2	1.6
10°-20°	588.8	4.6
20°-30°	1064.3	8.3
30°-40°	1985.6	15.5
40°-50°	3330.9	26.1
50°-60°	4398.8	34.4
60°-70°	1168.2	9.1
70°-80°	41.5	0.3
80°-90°	0.7	0.0
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°	12779.1	100.0
0°-180°	12779.1	100.0

**Coefficient of Utilization**



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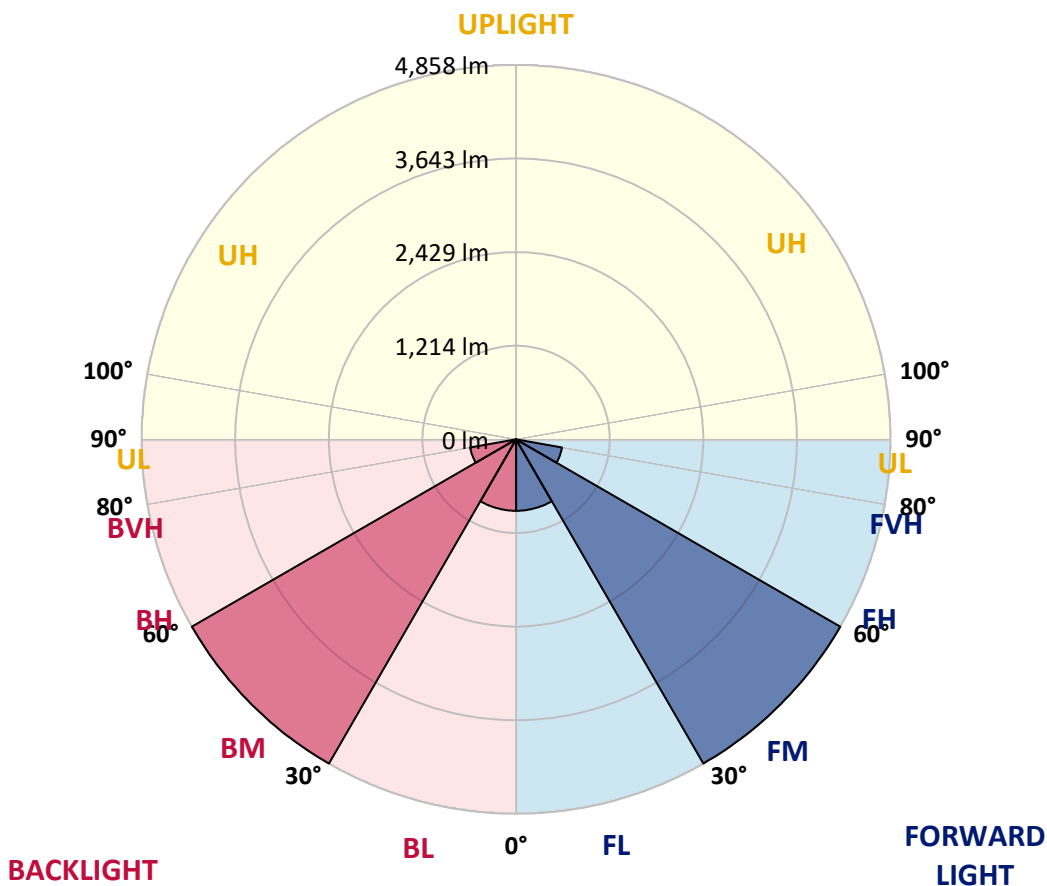
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.7	7.3			
FM (30°-60°)	4857.7	38.0			
FH (60°-80°)	604.9	4.7			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	926.7	7.3	B2/1000		
BM (30°-60°)	4857.7	38.0	B3/5000		
BH (60°-80°)	604.9	4.7	B2/1000		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2124.6	2124.6	2124.6	2124.6	2124.6	2124.6	2124.6	2124.6	2124.6	2124.6	2124.6
2.5°	2109.6	2108.1	2114.1	2118.6	2118.6	2129.1	2126.1	2123.1	2120.1	2115.6	2126.1
5°	2106.6	2105.1	2109.6	2112.6	2109.6	2118.6	2112.6	2106.6	2103.6	2097.7	2109.6
7.5°	2093.2	2094.7	2097.7	2100.7	2096.2	2103.6	2096.2	2087.2	2079.7	2073.7	2084.2
10°	2072.2	2073.7	2076.7	2082.7	2084.2	2094.7	2084.2	2067.7	2057.2	2048.2	2058.7
12.5°	2061.7	2063.2	2067.7	2075.2	2076.7	2090.2	2076.7	2052.7	2037.7	2027.2	2037.7
15°	2064.7	2067.7	2073.7	2082.7	2085.7	2099.2	2081.2	2049.7	2028.7	2015.2	2024.2
17.5°	2075.2	2078.2	2087.2	2102.1	2112.6	2126.1	2103.6	2063.2	2034.7	2015.2	2024.2
20°	2088.7	2093.2	2108.1	2132.1	2154.6	2178.6	2150.1	2094.7	2057.2	2033.2	2040.7
22.5°	2126.1	2130.6	2151.6	2183.1	2220.6	2250.6	2216.1	2145.6	2094.7	2063.2	2070.7
25°	2202.6	2207.1	2234.1	2274.6	2322.6	2361.5	2318.1	2229.6	2163.6	2127.6	2130.6
27.5°	2322.6	2327.1	2358.5	2415.5	2480.0	2535.5	2472.5	2369.0	2294.1	2252.1	2252.1
30°	2474.0	2480.0	2522.0	2598.4	2698.9	2772.4	2686.9	2561.0	2465.0	2408.0	2409.5
32.5°	2668.9	2662.9	2722.9	2827.9	2970.3	3067.8	2941.8	2788.9	2670.4	2591.0	2598.4
35°	2919.3	2917.8	2985.3	3127.7	3313.7	3430.6	3280.7	3082.8	2940.3	2859.3	2860.8
37.5°	3241.7	3240.2	3318.2	3472.6	3696.0	3793.5	3625.5	3424.6	3271.7	3193.7	3202.7
40°	3619.5	3610.5	3679.5	3828.0	4051.4	4114.3	3931.4	3769.5	3622.5	3573.1	3597.0
42.5°	3979.4	3959.9	4000.4	4135.3	4307.8	4316.8	4178.8	4067.9	3967.4	3928.4	3943.4
45°	4268.8	4253.8	4291.3	4369.2	4468.2	4423.2	4357.2	4322.8	4241.8	4199.8	4213.3
47.5°	4484.7	4484.7	4529.7	4577.6	4592.6	4510.2	4520.7	4520.7	4439.7	4373.7	4357.2
50°	4670.6	4684.1	4751.6	4801.1	4751.6	4646.6	4706.6	4694.6	4529.7	4397.7	4363.2
52.5°	4967.5	4981.0	5084.4	5151.9	5096.4	4993.0	5000.5	4850.5	4607.6	4451.7	4397.7
55°	5282.4	5315.3	5465.3	5645.2	5646.7	5540.3	5342.3	5076.9	4781.6	4612.1	4556.7
57.5°	4870.0	4915.0	5138.4	5571.7	5885.1	5811.6	5339.3	4873.0	4474.2	4243.3	4211.8
60°	3351.1	3429.1	3652.5	4244.8	4849.0	4877.5	4319.8	3796.5	3339.1	3054.3	3060.3
62.5°	1415.4	1494.9	1620.8	2108.1	2662.9	2697.4	2427.5	2052.7	1679.3	1473.9	1505.4
65°	332.9	355.4	392.8	583.3	845.7	884.6	815.7	635.7	469.3	397.3	404.8
67.5°	145.4	148.4	140.9	149.9	185.9	190.4	184.4	161.9	152.9	155.9	155.9
70°	102.0	103.5	97.5	93.0	88.5	82.5	85.5	94.5	102.0	108.0	106.5
72.5°	63.0	64.5	66.0	66.0	61.5	55.5	58.5	64.5	66.0	67.5	66.0
75°	31.5	33.0	36.0	37.5	36.0	34.5	34.5	36.0	36.0	34.5	34.5
77.5°	6.0	7.5	10.5	12.0	12.0	12.0	12.0	12.0	13.5	12.0	12.0
80°	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
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)