

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: P642915

Luminaire Tested: GWS-SA6D-830-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642915  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-830-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

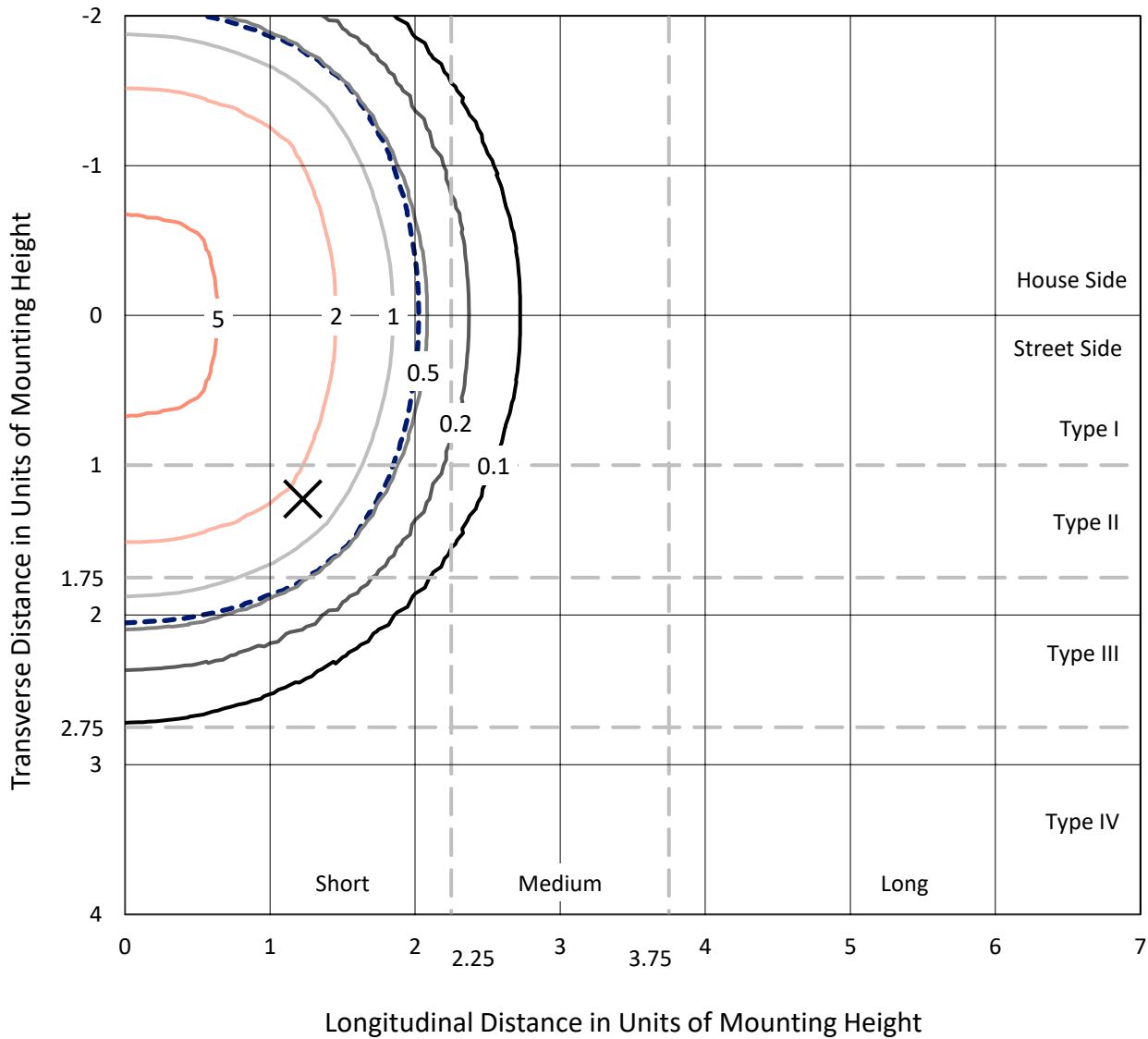
Lumens per Lamp: N/A  
Luminaire Lumens: 24032.7 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

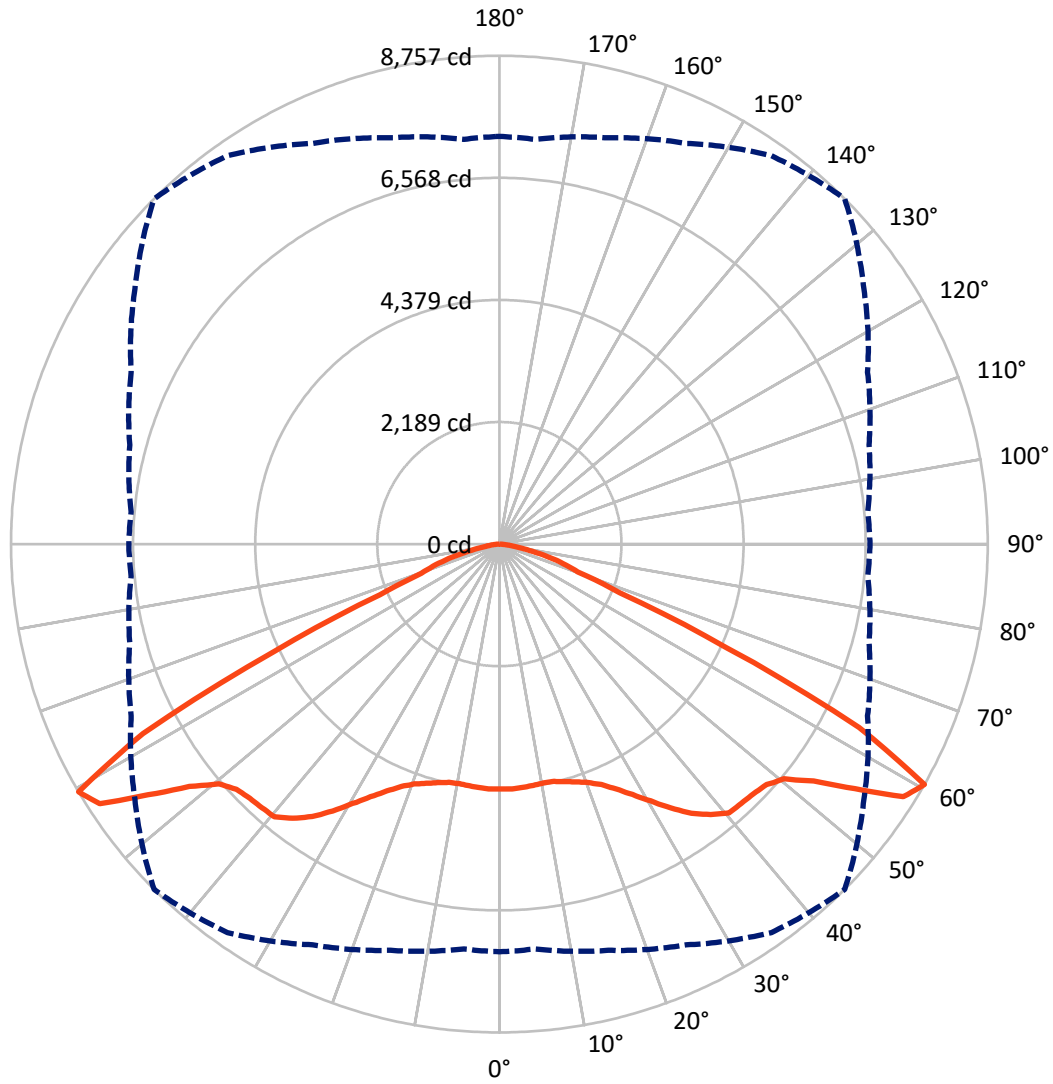
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12016.4	0.0	12016.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12016.4	0.0	12016.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24032.7	0.0	24032.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.5	1.7
10°-20°	1252.8	5.2
20°-30°	2216.4	9.2
30°-40°	3568.5	14.8
40°-50°	4904.8	20.4
50°-60°	6536.2	27.2
60°-70°	4073.6	17.0
70°-80°	936.7	3.9
80°-90°	127.1	0.5
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°	24032.7	100.0
0°-180°	24032.7	100.0

**Coefficient of Utilization**



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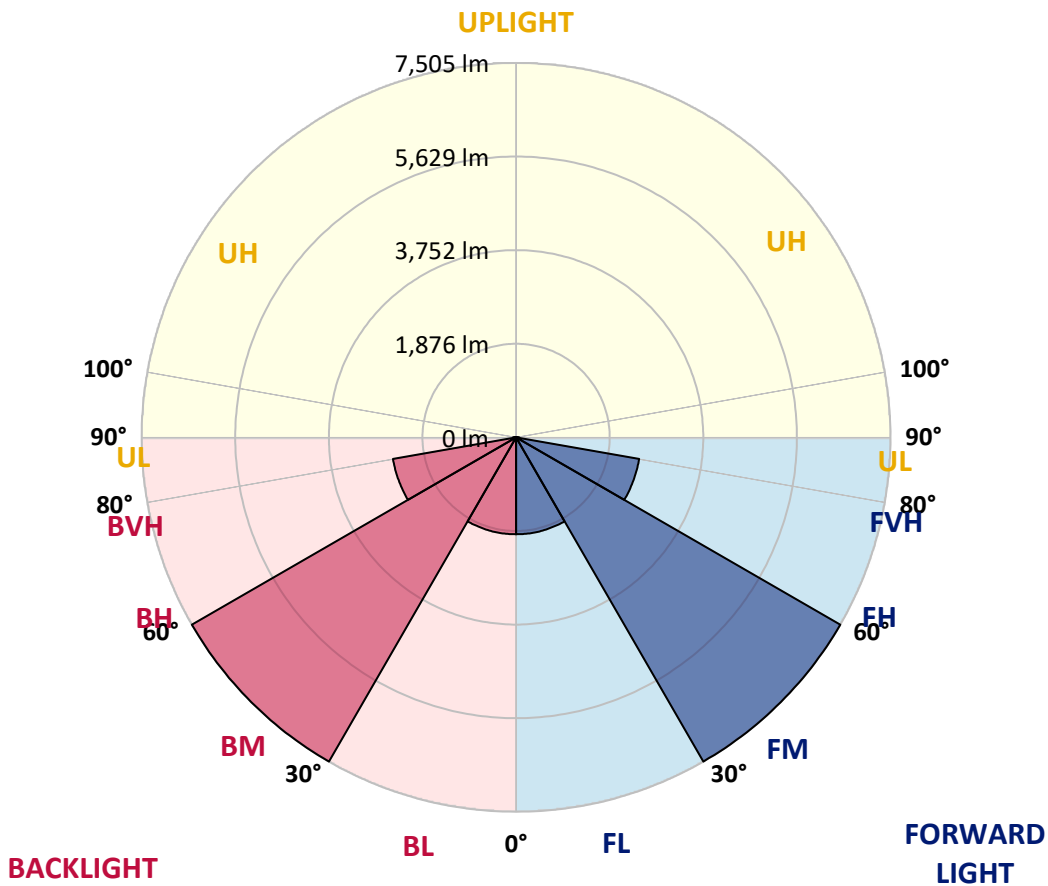
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1942.9	8.1			
FM (30°-60°)	7504.7	31.2			
FH (60°-80°)	2505.2	10.4			G2/5000
FVH (80°-90°)	63.5	0.3			G1/100
BL (0°-30°)	1942.9	8.1	B3/2500		
BM (30°-60°)	7504.7	31.2	B4/8500		
BH (60°-80°)	2505.2	10.4	B4/5000		G2/5000
BVH (80°-90°)	63.5	0.3			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°	4391.9	4391.9	4391.9	4391.9	4391.9	4391.9	4391.9	4391.9	4391.9	4391.9	4391.9
2.5°	4361.3	4365.4	4373.6	4379.7	4387.9	4396.0	4400.1	4391.9	4387.9	4371.5	4389.9
5°	4365.4	4369.5	4375.6	4375.6	4377.7	4383.8	4383.8	4373.6	4363.4	4345.0	4365.4
7.5°	4359.3	4363.4	4365.4	4363.4	4365.4	4367.5	4363.4	4351.1	4340.9	4324.6	4340.9
10°	4349.1	4353.2	4357.3	4353.2	4349.1	4355.2	4355.2	4347.1	4340.9	4324.6	4343.0
12.5°	4371.5	4377.7	4379.7	4369.5	4365.4	4367.5	4367.5	4359.3	4359.3	4345.0	4365.4
15°	4424.6	4428.7	4422.5	4410.3	4412.3	4418.5	4404.2	4383.8	4379.7	4373.6	4389.9
17.5°	4465.4	4469.5	4463.3	4455.2	4469.5	4483.7	4457.2	4418.5	4406.2	4402.1	4420.5
20°	4510.3	4516.4	4508.2	4518.4	4547.0	4563.3	4530.7	4477.6	4453.1	4447.0	4469.5
22.5°	4583.7	4591.9	4591.9	4614.3	4657.1	4683.6	4642.9	4571.5	4534.7	4524.5	4547.0
25°	4700.0	4706.1	4712.2	4757.1	4826.4	4863.2	4797.9	4700.0	4649.0	4632.7	4644.9
27.5°	4861.1	4871.3	4881.5	4946.8	5032.5	5085.5	4991.7	4869.3	4806.0	4773.4	4797.9
30°	5052.9	5067.2	5091.6	5165.1	5285.4	5344.6	5224.2	5075.3	5003.9	4969.2	5001.9
32.5°	5314.0	5316.0	5334.4	5416.0	5575.1	5642.4	5491.5	5326.2	5252.8	5212.0	5230.3
35°	5624.1	5626.1	5597.5	5681.2	5852.5	5928.0	5750.5	5583.3	5522.1	5509.8	5556.7
37.5°	5942.3	5923.9	5895.4	5932.1	6105.5	6154.4	5966.8	5824.0	5797.4	5819.9	5889.2
40°	6168.7	6138.1	6081.0	6107.5	6282.9	6340.1	6140.2	6005.5	5997.4	6052.4	6136.1
42.5°	6315.6	6282.9	6215.6	6215.6	6336.0	6360.5	6205.4	6134.0	6152.4	6215.6	6295.2
45°	6387.0	6368.6	6329.9	6309.5	6376.8	6387.0	6268.7	6240.1	6274.8	6305.4	6366.6
47.5°	6442.1	6442.1	6429.8	6409.4	6440.0	6446.1	6358.4	6350.3	6395.1	6395.1	6435.9
50°	6540.0	6550.2	6566.5	6562.4	6595.1	6615.5	6550.2	6537.9	6556.3	6497.1	6517.5
52.5°	6797.0	6823.5	6870.4	6907.2	6990.8	7054.0	6937.8	6839.8	6744.0	6613.4	6617.5
55°	7258.0	7270.3	7362.1	7470.2	7610.9	7739.4	7500.8	7196.8	6988.8	6835.8	6837.8
57.5°	7647.6	7666.0	7800.6	8027.1	8343.3	8543.2	8014.8	7506.9	7213.1	7025.5	7031.6
60°	7311.1	7286.6	7541.6	7929.2	8502.4	8757.4	7978.1	7284.5	6862.3	6629.7	6646.0
62.5°	5656.7	5609.8	5893.3	6299.3	6986.7	7241.7	6523.7	5858.6	5458.8	5277.3	5250.7
65°	3443.4	3400.5	3604.5	3853.4	4318.5	4479.7	4151.2	3798.3	3449.5	3339.3	3308.7
67.5°	1874.7	1868.6	1923.6	2046.0	2250.0	2325.5	2262.3	2095.0	2005.2	1927.7	1927.7
70°	1487.1	1474.9	1464.7	1466.7	1485.1	1495.3	1497.3	1489.1	1499.3	1501.4	1493.2
72.5°	1232.1	1228.0	1207.6	1209.7	1201.5	1197.4	1211.7	1219.9	1236.2	1238.2	1238.2
75°	893.5	883.3	893.5	895.5	887.4	887.4	897.6	895.5	903.7	907.8	885.3
77.5°	507.9	507.9	522.2	538.5	550.8	550.8	561.0	561.0	571.2	569.1	565.1
80°	279.5	279.5	287.6	297.8	310.1	322.3	332.5	334.5	340.7	338.6	332.5
82.5°	159.1	161.2	165.2	171.4	183.6	193.8	204.0	206.0	212.2	212.2	206.0
85°	75.5	73.4	75.5	79.6	85.7	93.8	104.0	110.2	114.2	114.2	110.2
87.5°	14.3	16.3	14.3	16.3	18.4	24.5	28.6	32.6	38.8	40.8	36.7
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)