

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: P642909

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642909  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-830-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

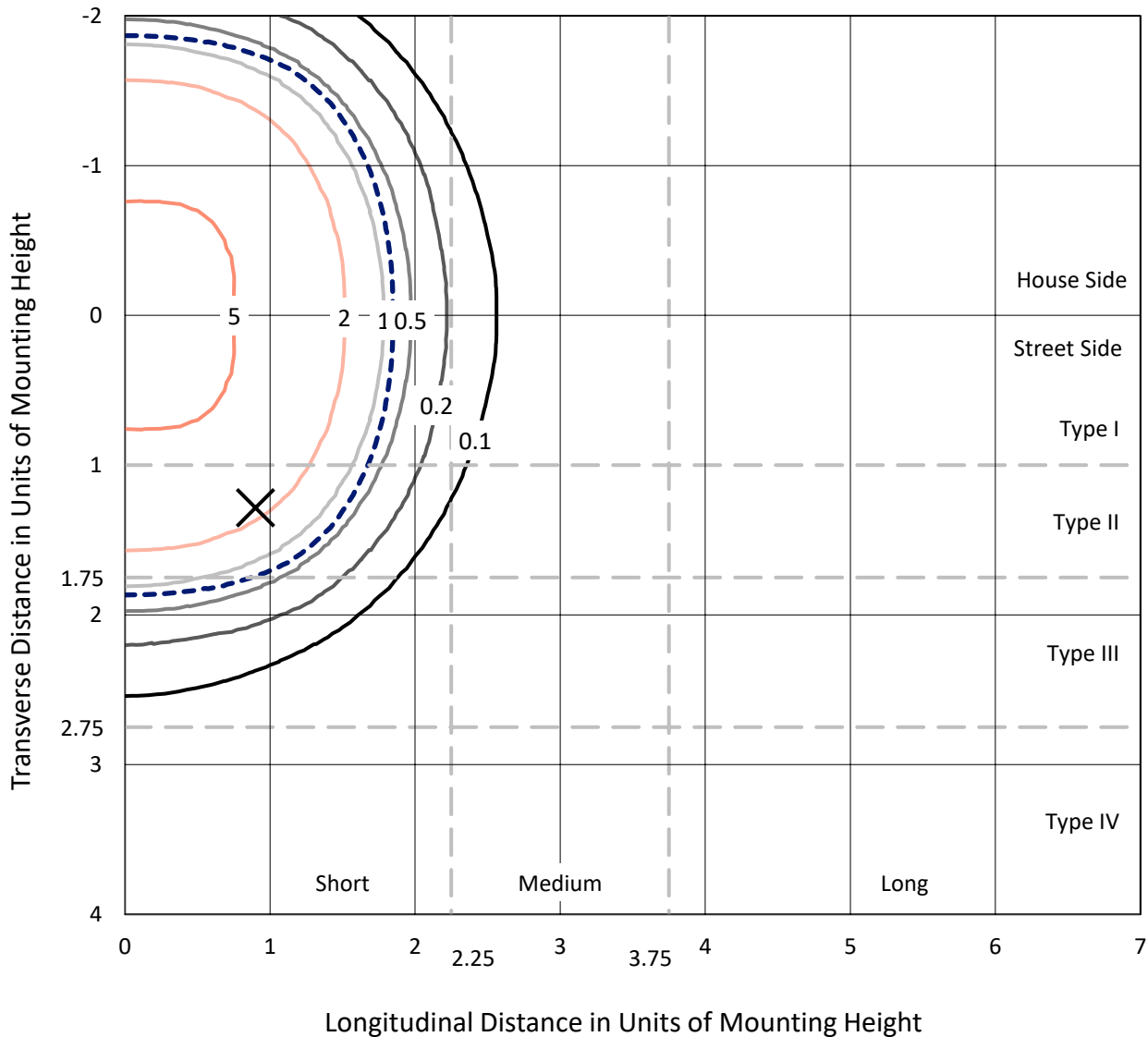
Lumens per Lamp: N/A  
Luminaire Lumens: 24916 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

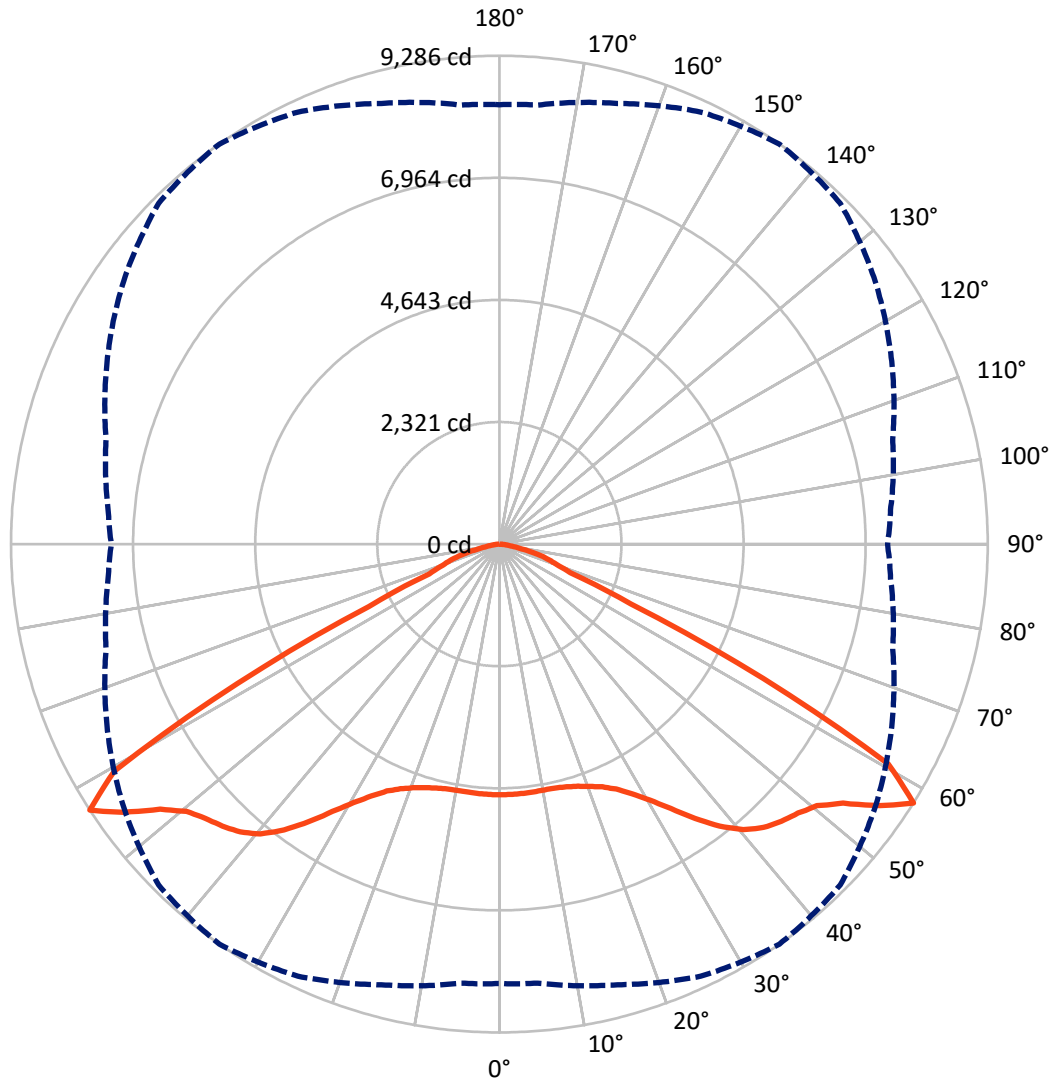
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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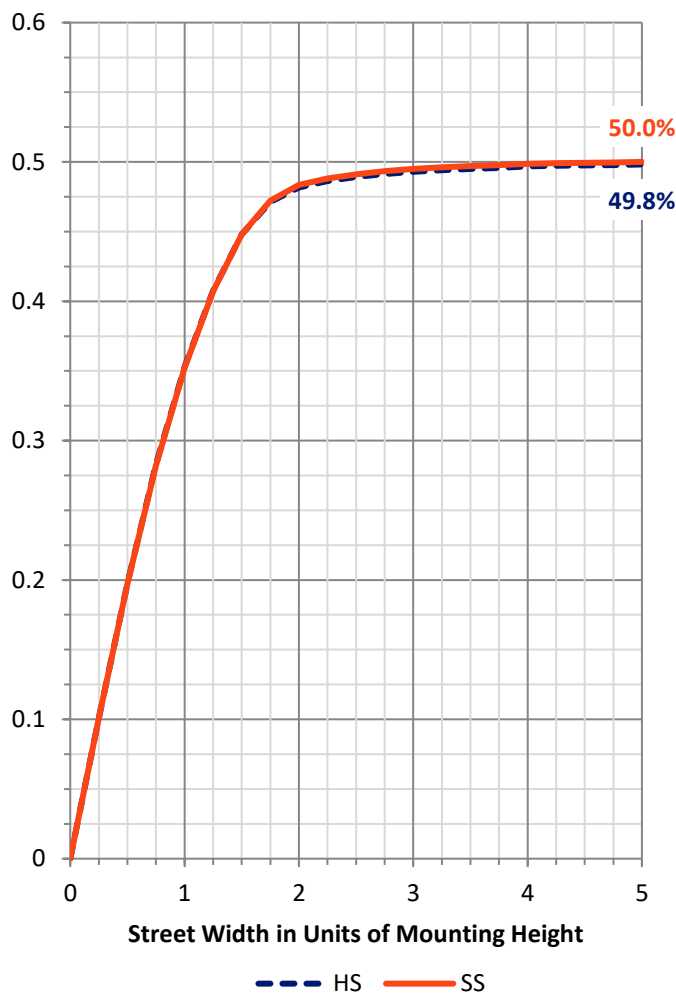
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12458.0	0.0	12458.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12458.0	0.0	12458.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24916.0	0.0	24916.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.5	1.8
10°-20°	1353.1	5.4
20°-30°	2360.9	9.5
30°-40°	3871.4	15.5
40°-50°	5701.7	22.9
50°-60°	7276.4	29.2
60°-70°	3066.6	12.3
70°-80°	732.5	2.9
80°-90°	99.7	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°	24916.0	100.0
0°-180°	24916.0	100.0

**Coefficient of Utilization**



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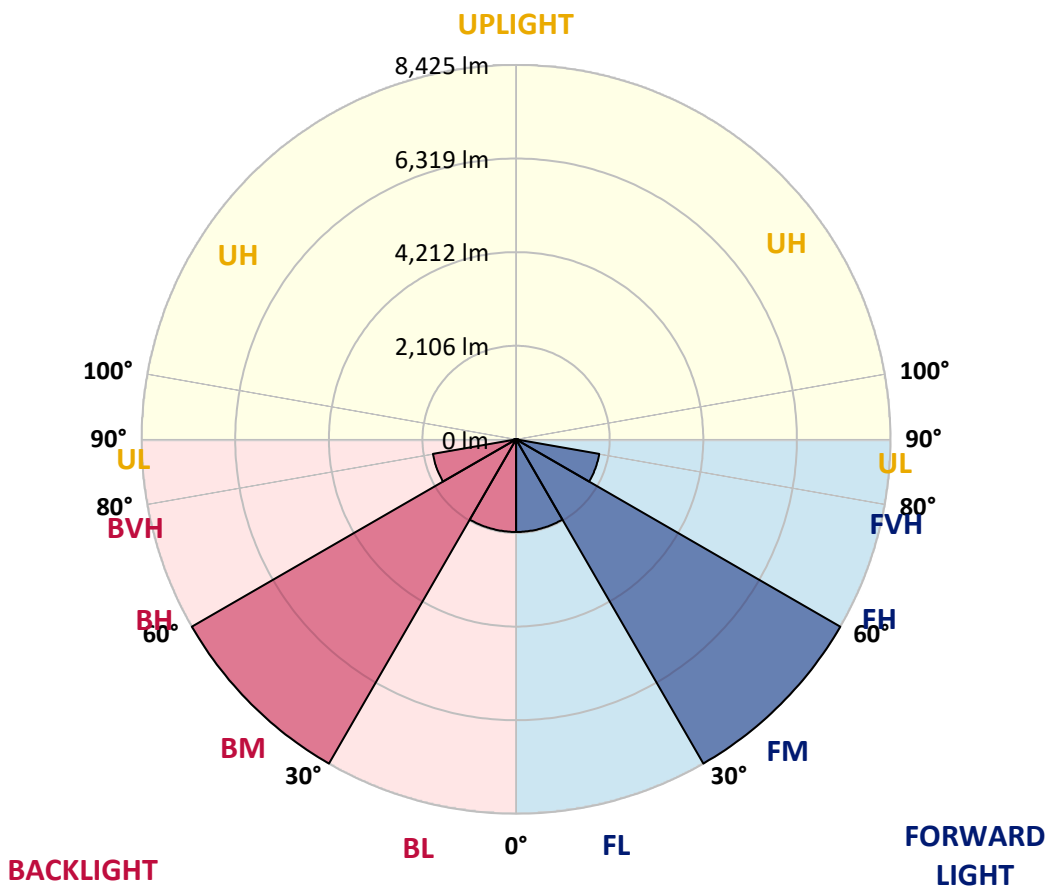
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2083.8	8.4			
FM (30°-60°)	8424.8	33.8			
FH (60°-80°)	1899.6	7.6			G2/5000
FVH (80°-90°)	49.9	0.2			G1/100
BL (0°-30°)	2083.8	8.4	B3/2500		
BM (30°-60°)	8424.8	33.8	B4/8500		
BH (60°-80°)	1899.6	7.6	B3/2500		G2/5000
BVH (80°-90°)	49.9	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°	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4
2.5°	4738.8	4738.8	4749.0	4759.2	4763.3	4781.7	4779.6	4773.5	4769.4	4757.2	4773.5
5°	4749.0	4749.0	4757.2	4763.3	4761.3	4775.6	4769.4	4759.2	4753.1	4740.9	4759.2
7.5°	4747.0	4747.0	4753.1	4759.2	4755.2	4767.4	4757.2	4742.9	4732.7	4720.5	4736.8
10°	4720.5	4724.6	4730.7	4745.0	4751.1	4769.4	4755.2	4732.7	4716.4	4702.1	4718.4
12.5°	4716.4	4720.5	4728.6	4747.0	4757.2	4783.7	4765.4	4728.6	4704.2	4685.8	4702.1
15°	4734.8	4738.8	4751.1	4773.5	4789.8	4818.4	4791.9	4740.9	4706.2	4681.7	4696.0
17.5°	4757.2	4763.3	4781.7	4814.3	4840.8	4871.4	4838.8	4777.6	4728.6	4696.0	4708.2
20°	4781.7	4789.8	4818.4	4867.3	4916.3	4955.1	4914.3	4832.7	4773.5	4730.7	4742.9
22.5°	4824.5	4834.7	4871.4	4940.8	5014.2	5071.3	5020.3	4910.2	4832.7	4777.6	4787.8
25°	4912.2	4924.5	4971.4	5055.0	5159.1	5228.4	5157.0	5032.6	4924.5	4857.1	4867.3
27.5°	5067.3	5073.4	5134.6	5244.7	5373.3	5452.8	5367.1	5220.3	5099.9	5022.4	5030.5
30°	5271.3	5289.6	5350.8	5495.7	5648.7	5754.7	5642.5	5469.1	5330.4	5236.6	5244.7
32.5°	5520.1	5532.4	5624.2	5775.1	5995.4	6117.8	5964.8	5758.8	5591.5	5477.3	5485.5
35°	5846.5	5856.7	5944.4	6136.2	6403.4	6517.7	6342.2	6105.6	5911.8	5803.7	5834.3
37.5°	6236.2	6254.5	6317.8	6507.5	6805.3	6917.5	6715.6	6495.2	6293.3	6193.3	6215.8
40°	6654.4	6652.3	6703.3	6870.6	7141.9	7211.3	7029.7	6854.3	6680.9	6615.6	6652.3
42.5°	7013.4	7003.2	7039.9	7178.6	7366.3	7372.4	7252.1	7154.1	7031.7	6986.9	7021.5
45°	7264.3	7268.4	7323.5	7419.3	7515.2	7464.2	7427.5	7411.2	7315.3	7254.1	7260.2
47.5°	7462.2	7478.5	7566.2	7631.5	7643.7	7558.1	7609.1	7633.5	7554.0	7460.1	7433.6
50°	7637.6	7664.1	7778.4	7847.7	7821.2	7713.1	7813.1	7849.8	7674.3	7494.8	7441.8
52.5°	7955.9	7986.5	8125.2	8214.9	8184.3	8076.2	8170.0	8039.5	7743.7	7523.4	7456.1
55°	8463.8	8478.1	8647.4	8794.3	8780.0	8647.4	8571.9	8282.2	7923.2	7694.7	7631.5
57.5°	8355.7	8380.2	8673.9	9065.6	9285.9	9165.5	8722.9	8229.2	7741.7	7466.3	7380.6
60°	6574.8	6634.0	6999.1	7688.6	8496.4	8494.4	7672.3	6905.3	6317.8	5952.6	5915.9
62.5°	3839.2	3880.0	4212.5	4910.2	5634.4	5679.3	5101.9	4575.6	4061.6	3814.7	3696.4
65°	1817.6	1815.6	1948.2	2262.3	2751.9	2790.7	2617.3	2329.6	2025.7	1942.0	1919.6
67.5°	1342.3	1342.3	1332.1	1354.5	1448.4	1468.8	1448.4	1401.5	1372.9	1391.3	1379.0
70°	1164.8	1166.9	1154.6	1148.5	1148.5	1142.4	1150.5	1168.9	1181.1	1205.6	1193.4
72.5°	944.5	946.5	946.5	948.6	950.6	942.5	954.7	964.9	966.9	975.1	966.9
75°	671.1	675.2	687.5	697.7	705.8	705.8	709.9	711.9	703.8	714.0	697.7
77.5°	369.2	373.3	395.8	414.1	432.5	434.5	440.6	444.7	440.6	448.8	436.6
80°	204.0	208.1	218.3	226.4	240.7	253.0	261.1	265.2	265.2	271.3	265.2
82.5°	116.3	120.4	126.5	130.6	142.8	153.0	161.2	167.3	167.3	169.3	165.2
85°	55.1	55.1	59.2	63.2	69.4	73.4	83.6	89.8	89.8	93.8	89.8
87.5°	8.2	10.2	12.2	12.2	16.3	20.4	24.5	26.5	30.6	32.6	32.6
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)