

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: P640929

Luminaire Tested: GWS-SA5E-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640929  
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-SA5E-830-U-5MQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26111.6 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 269.6  
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

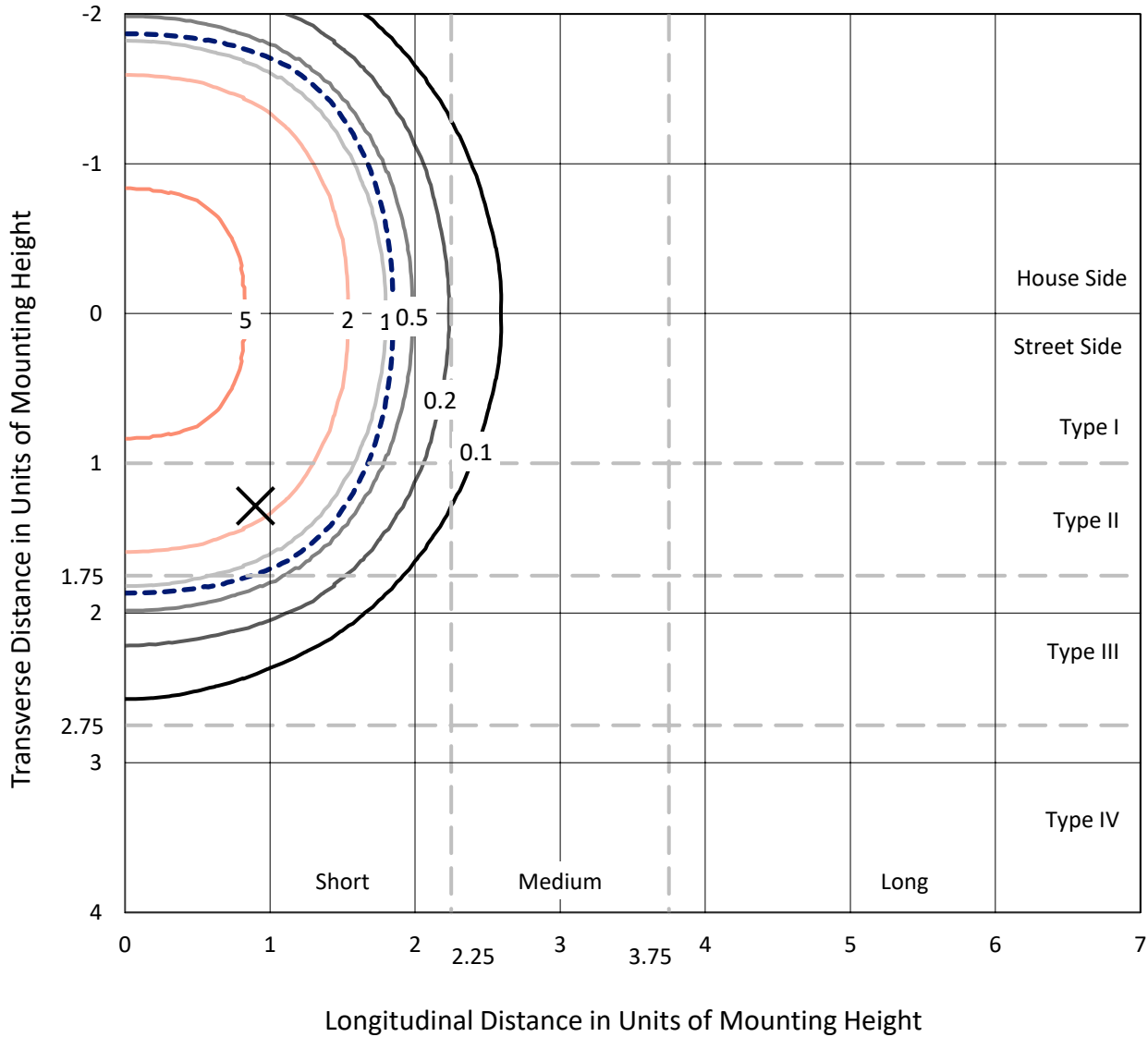


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### Iso-Footcandle Lines of Horizontal Illumination

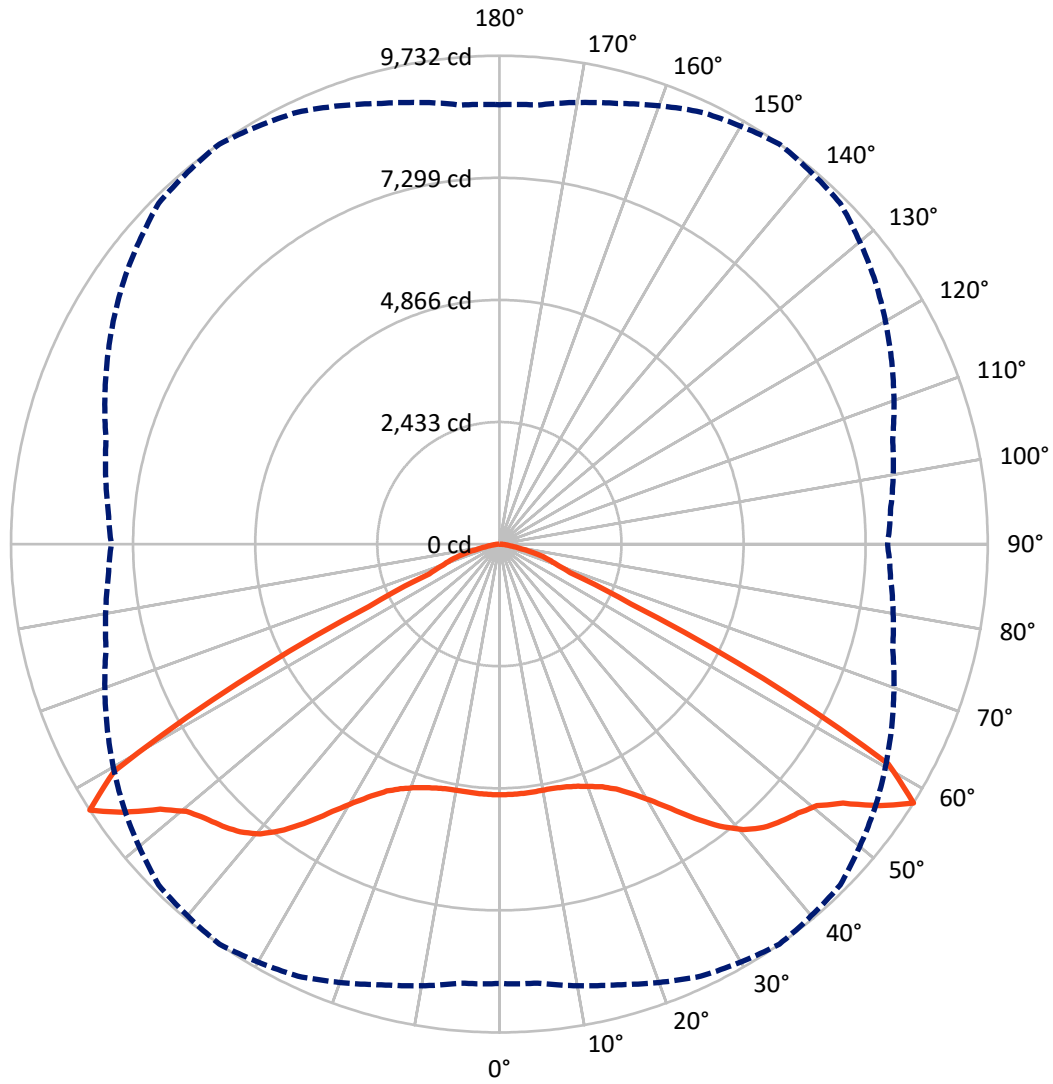
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	13055.8	0.0	13055.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13055.8	0.0	13055.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26111.6	0.0	26111.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.3	1.8
10°-20°	1418.1	5.4
20°-30°	2474.2	9.5
30°-40°	4057.2	15.5
40°-50°	5975.3	22.9
50°-60°	7625.5	29.2
60°-70°	3213.7	12.3
70°-80°	767.7	2.9
80°-90°	104.5	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°	26111.6	100.0
0°-180°	26111.6	100.0

**Coefficient of Utilization**



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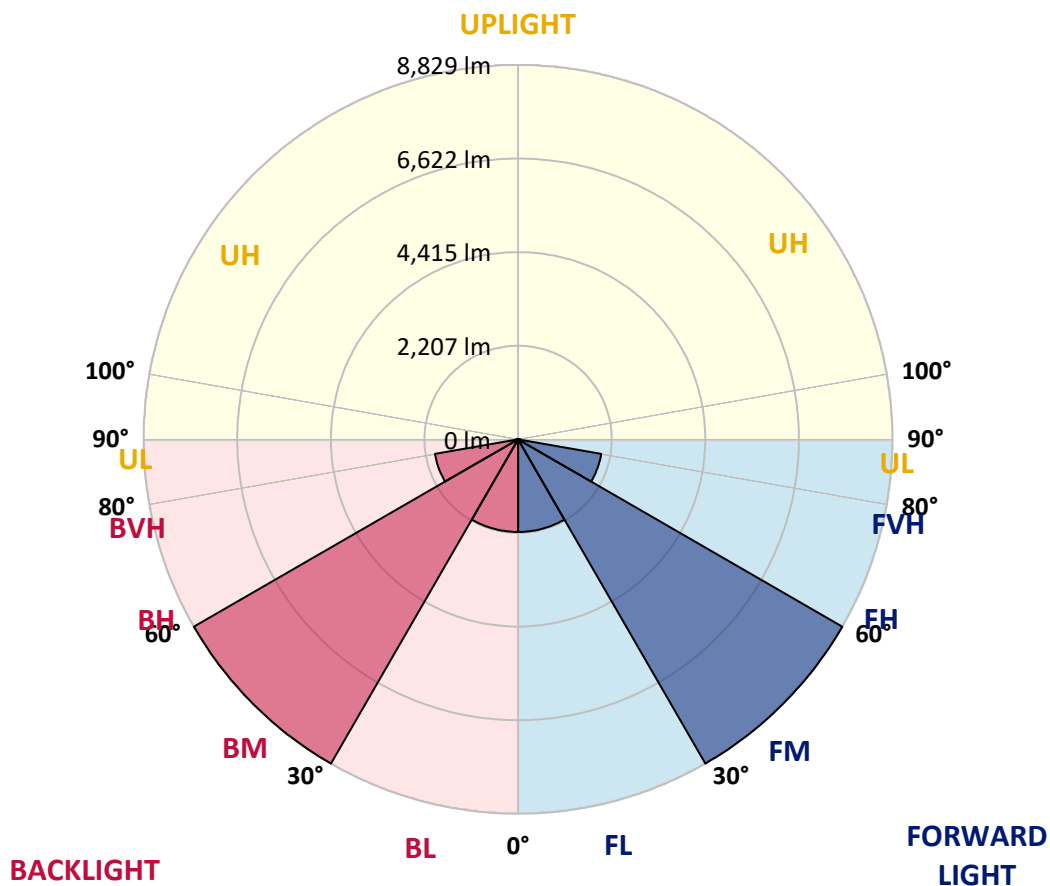
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2183.8	8.4			
FM (30°-60°)	8829.0	33.8			
FH (60°-80°)	1990.7	7.6			G2/5000
FVH (80°-90°)	52.2	0.2			G1/100
BL (0°-30°)	2183.8	8.4	B3/2500		
BM (30°-60°)	8829.0	33.8	B5		
BH (60°-80°)	1990.7	7.6	B3/2500		G2/5000
BVH (80°-90°)	52.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4996.2	4996.2	4996.2	4996.2	4996.2	4996.2	4996.2	4996.2	4996.2	4996.2	4996.2
2.5°	4966.2	4966.2	4976.9	4987.6	4991.9	5011.1	5009.0	5002.6	4998.3	4985.5	5002.6
5°	4976.9	4976.9	4985.5	4991.9	4989.7	5004.7	4998.3	4987.6	4981.2	4968.4	4987.6
7.5°	4974.8	4974.8	4981.2	4987.6	4983.3	4996.2	4985.5	4970.5	4959.8	4947.0	4964.1
10°	4947.0	4951.3	4957.7	4972.6	4979.1	4998.3	4983.3	4959.8	4942.7	4927.7	4944.8
12.5°	4942.7	4947.0	4955.5	4974.8	4985.5	5013.3	4994.0	4955.5	4929.9	4910.6	4927.7
15°	4962.0	4966.2	4979.1	5002.6	5019.7	5049.6	5021.8	4968.4	4932.0	4906.4	4921.3
17.5°	4985.5	4991.9	5011.1	5045.3	5073.1	5105.2	5071.0	5006.8	4955.5	4921.3	4934.2
20°	5011.1	5019.7	5049.6	5100.9	5152.2	5192.8	5150.1	5064.6	5002.6	4957.7	4970.5
22.5°	5056.0	5066.7	5105.2	5177.9	5254.8	5314.7	5261.2	5145.8	5064.6	5006.8	5017.5
25°	5147.9	5160.8	5209.9	5297.6	5406.6	5479.3	5404.5	5274.1	5160.8	5090.2	5100.9
27.5°	5310.4	5316.8	5381.0	5496.4	5631.1	5714.5	5624.7	5470.8	5344.6	5263.4	5271.9
30°	5524.2	5543.4	5607.6	5759.4	5919.7	6030.9	5913.3	5731.6	5586.2	5487.9	5496.4
32.5°	5785.0	5797.8	5894.1	6052.3	6283.1	6411.4	6251.1	6035.2	5859.8	5740.1	5748.7
35°	6127.1	6137.8	6229.7	6430.7	6710.7	6830.4	6646.6	6398.6	6195.5	6082.2	6114.3
37.5°	6535.4	6554.6	6620.9	6819.7	7131.9	7249.4	7037.8	6806.9	6595.3	6490.5	6514.0
40°	6973.7	6971.5	7025.0	7200.3	7484.6	7557.3	7367.0	7183.2	7001.5	6933.0	6971.5
42.5°	7349.9	7339.2	7377.7	7523.1	7719.8	7726.2	7600.1	7497.4	7369.2	7322.1	7358.5
45°	7612.9	7617.2	7674.9	7775.4	7875.8	7822.4	7783.9	7766.8	7666.3	7602.2	7608.6
47.5°	7820.3	7837.4	7929.3	7997.7	8010.5	7920.7	7974.2	7999.8	7916.5	7818.1	7790.3
50°	8004.1	8031.9	8151.6	8224.3	8196.5	8083.2	8188.0	8226.4	8042.6	7854.5	7798.9
52.5°	8337.6	8369.7	8515.1	8609.1	8577.1	8463.7	8562.1	8425.3	8115.3	7884.4	7813.8
55°	8869.9	8884.9	9062.3	9216.3	9201.3	9062.3	8983.2	8679.7	8303.4	8064.0	7997.7
57.5°	8756.6	8782.3	9090.1	9500.6	9731.5	9605.4	9141.4	8624.1	8113.1	7824.5	7734.7
60°	6890.3	6952.3	7335.0	8057.6	8904.1	8902.0	8040.5	7236.6	6620.9	6238.2	6199.8
62.5°	4023.4	4066.2	4414.7	5145.8	5904.7	5951.8	5346.8	4795.2	4256.5	3997.8	3873.8
65°	1904.8	1902.7	2041.6	2370.9	2884.0	2924.6	2742.9	2441.4	2122.9	2035.2	2011.7
67.5°	1406.7	1406.7	1396.0	1419.5	1517.9	1539.3	1517.9	1468.7	1438.8	1458.0	1445.2
70°	1220.7	1222.9	1210.0	1203.6	1203.6	1197.2	1205.7	1225.0	1237.8	1263.5	1250.6
72.5°	989.8	992.0	992.0	994.1	996.2	987.7	1000.5	1011.2	1013.3	1021.9	1013.3
75°	703.4	707.6	720.5	731.1	739.7	739.7	744.0	746.1	737.6	748.2	731.1
77.5°	387.0	391.2	414.7	434.0	453.2	455.4	461.8	466.1	461.8	470.3	457.5
80°	213.8	218.1	228.7	237.3	252.3	265.1	273.6	277.9	277.9	284.3	277.9
82.5°	121.9	126.1	132.5	136.8	149.6	160.3	168.9	175.3	175.3	177.4	173.2
85°	57.7	57.7	62.0	66.3	72.7	77.0	87.7	94.1	94.1	98.3	94.1
87.5°	8.6	10.7	12.8	12.8	17.1	21.4	25.7	27.8	32.1	34.2	34.2
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)