

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: P643190

Luminaire Tested: GWS-SA6E-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643190  
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-SAGE-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

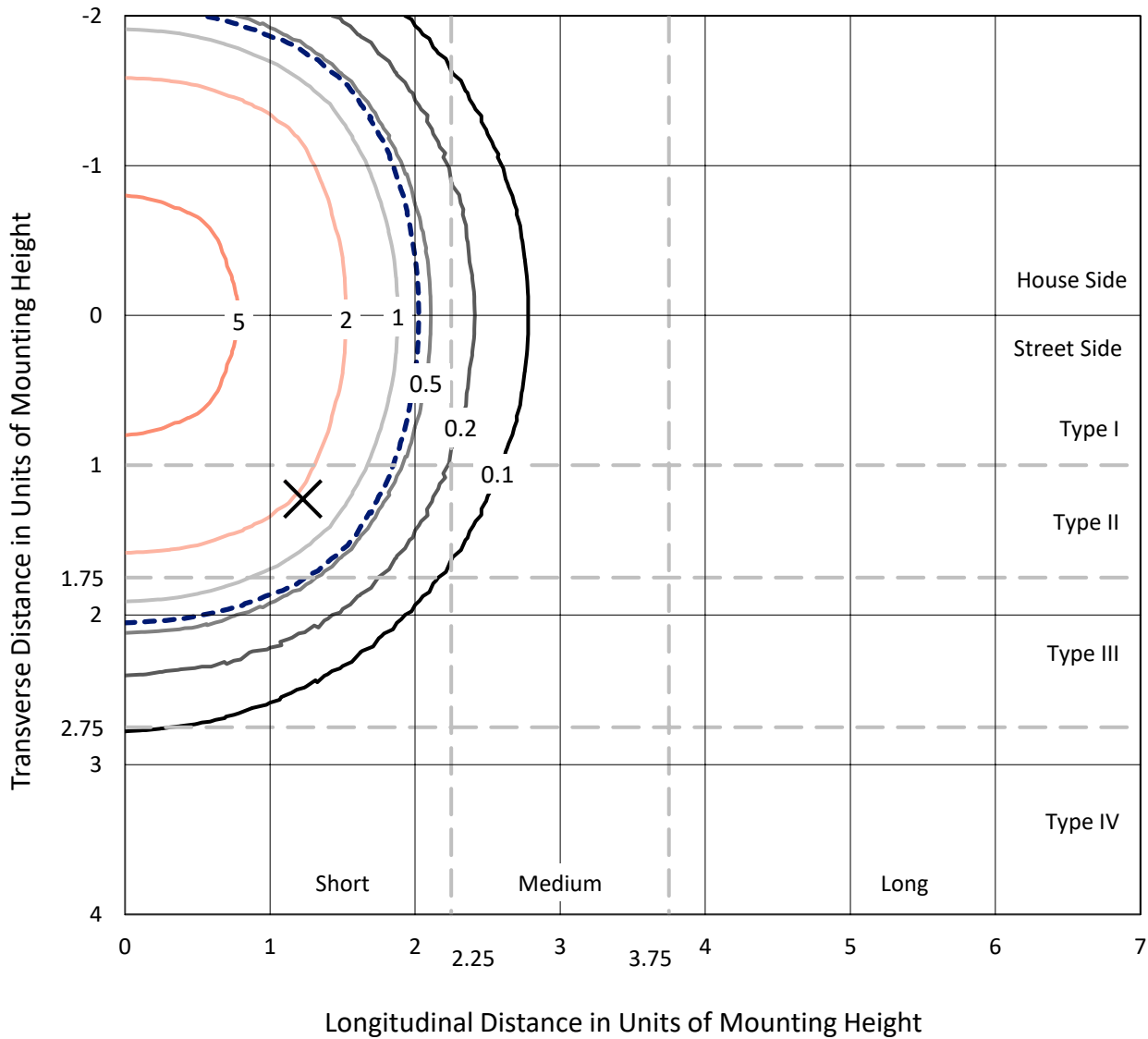
Lumens per Lamp: N/A  
Luminaire Lumens: 37805.7 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

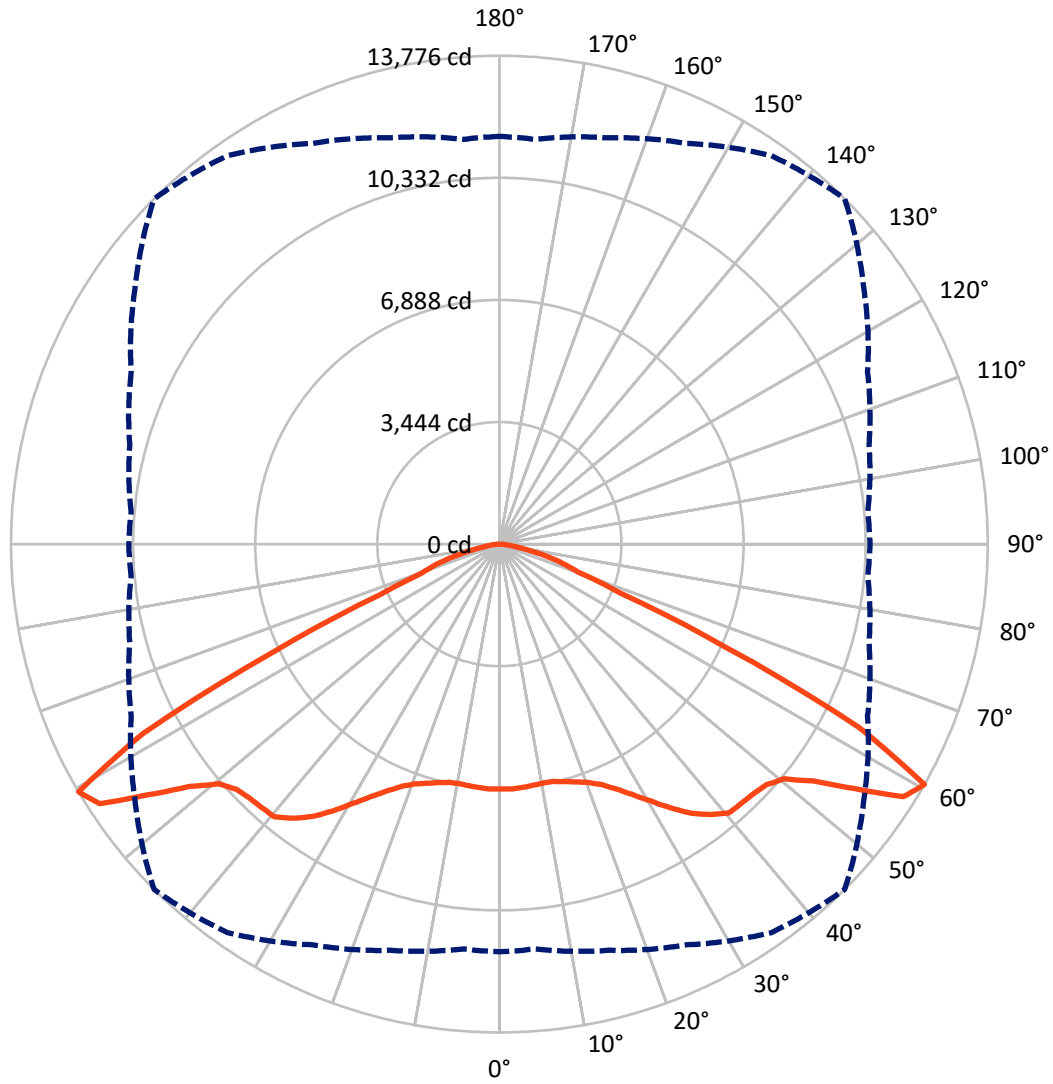
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.7 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	18902.8	0.0	18902.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18902.8	0.0	18902.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37805.7	0.0	37805.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	655.2	1.7
10°-20°	1970.8	5.2
20°-30°	3486.6	9.2
30°-40°	5613.6	14.8
40°-50°	7715.7	20.4
50°-60°	10282.0	27.2
60°-70°	6408.2	17.0
70°-80°	1473.6	3.9
80°-90°	199.9	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°	37805.7	100.0
0°-180°	37805.7	100.0

**Coefficient of Utilization**



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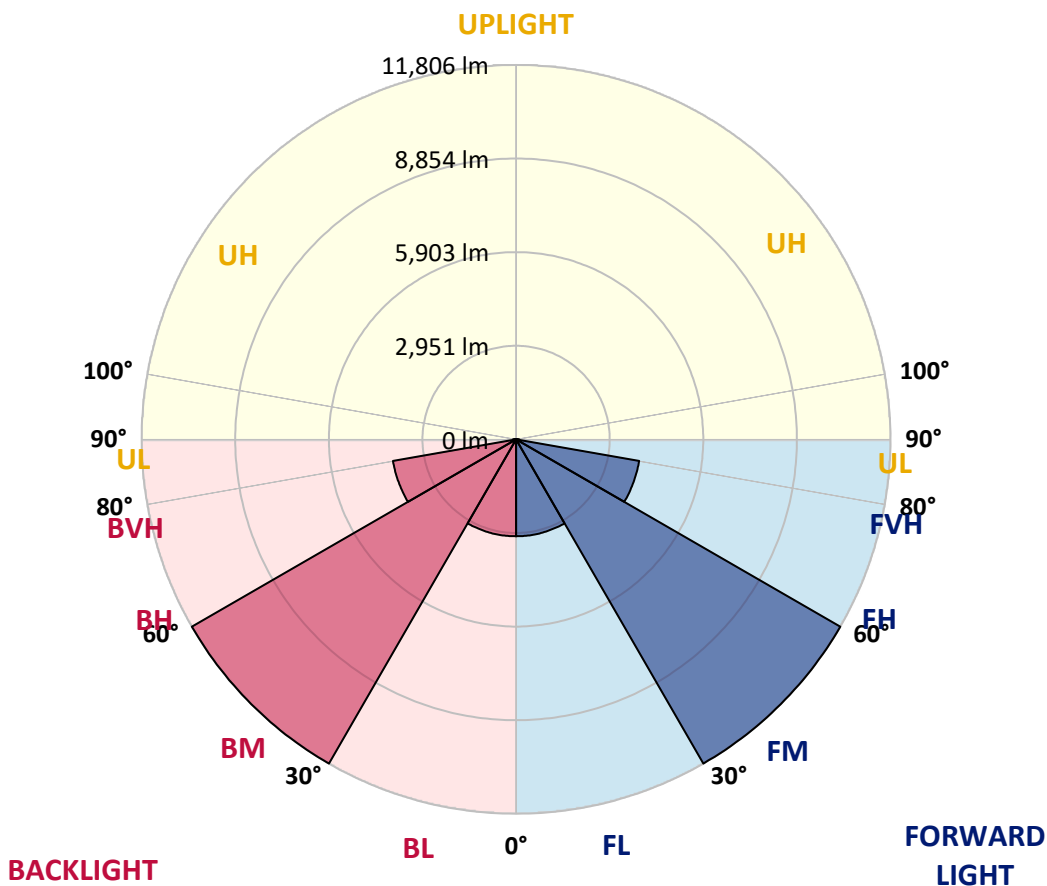
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3056.3	8.1			
FM (30°-60°)	11805.7	31.2			
FH (60°-80°)	3940.9	10.4			G2/5000
FVH (80°-90°)	100.0	0.3			G1/100
BL (0°-30°)	3056.3	8.1	B4/5000		
BM (30°-60°)	11805.7	31.2	B5		
BH (60°-80°)	3940.9	10.4	B4/5000		G2/5000
BVH (80°-90°)	100.0	0.3			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°	6908.9	6908.9	6908.9	6908.9	6908.9	6908.9	6908.9	6908.9	6908.9	6908.9	6908.9
2.5°	6860.8	6867.2	6880.1	6889.7	6902.5	6915.4	6921.8	6908.9	6902.5	6876.8	6905.7
5°	6867.2	6873.6	6883.3	6883.3	6886.5	6896.1	6896.1	6880.1	6864.0	6835.1	6867.2
7.5°	6857.6	6864.0	6867.2	6864.0	6867.2	6870.4	6864.0	6844.8	6828.7	6803.0	6828.7
10°	6841.5	6848.0	6854.4	6848.0	6841.5	6851.2	6851.2	6838.3	6828.7	6803.0	6831.9
12.5°	6876.8	6886.5	6889.7	6873.6	6867.2	6870.4	6870.4	6857.6	6857.6	6835.1	6867.2
15°	6960.3	6966.7	6957.1	6937.8	6941.0	6950.7	6928.2	6896.1	6889.7	6880.1	6905.7
17.5°	7024.5	7030.9	7021.3	7008.4	7030.9	7053.3	7011.6	6950.7	6931.4	6925.0	6953.9
20°	7095.1	7104.7	7091.8	7107.9	7152.8	7178.5	7127.1	7043.7	7005.2	6995.6	7030.9
22.5°	7210.6	7223.4	7223.4	7258.7	7326.1	7367.8	7303.6	7191.3	7133.6	7117.5	7152.8
25°	7393.5	7403.1	7412.7	7483.3	7592.5	7650.2	7547.5	7393.5	7313.3	7287.6	7306.9
27.5°	7647.0	7663.0	7679.1	7781.8	7916.6	8000.0	7852.4	7659.8	7560.4	7509.0	7547.5
30°	7948.6	7971.1	8009.6	8125.1	8314.5	8407.5	8218.2	7983.9	7871.6	7817.1	7868.4
32.5°	8359.4	8362.6	8391.5	8519.8	8770.1	8876.0	8638.6	8378.7	8263.1	8198.9	8227.8
35°	8847.2	8850.4	8805.4	8937.0	9206.6	9325.3	9046.1	8783.0	8686.7	8667.5	8741.3
37.5°	9347.8	9318.9	9274.0	9331.7	9604.5	9681.5	9386.3	9161.6	9119.9	9155.2	9264.3
40°	9704.0	9655.8	9566.0	9607.7	9883.7	9973.5	9659.0	9447.2	9434.4	9521.0	9652.6
42.5°	9935.0	9883.7	9777.8	9777.8	9967.1	10005.6	9761.7	9649.4	9678.3	9777.8	9902.9
45°	10047.3	10018.4	9957.5	9925.4	10031.3	10047.3	9861.2	9816.3	9870.8	9919.0	10015.2
47.5°	10134.0	10134.0	10114.7	10082.6	10130.8	10140.4	10002.4	9989.6	10060.2	10060.2	10124.3
50°	10288.0	10304.0	10329.7	10323.3	10374.6	10406.7	10304.0	10284.8	10313.7	10220.6	10252.7
52.5°	10692.3	10734.0	10807.9	10865.6	10997.2	11096.7	10913.7	10759.7	10608.9	10403.5	10409.9
55°	11417.6	11436.8	11581.2	11751.3	11972.7	12174.9	11799.4	11321.3	10994.0	10753.3	10756.5
57.5°	12030.5	12059.4	12271.1	12627.3	13124.7	13439.2	12608.1	11809.1	11347.0	11051.7	11061.4
60°	11501.0	11462.5	11863.6	12473.3	13375.0	13776.2	12550.3	11459.3	10795.0	10429.2	10454.9
62.5°	8898.5	8824.7	9270.7	9909.3	10990.8	11391.9	10262.3	9216.2	8587.2	8301.6	8259.9
65°	5416.8	5349.4	5670.3	6061.8	6793.4	7046.9	6530.3	5975.1	5426.4	5253.1	5205.0
67.5°	2949.1	2939.4	3026.1	3218.6	3539.5	3658.2	3558.8	3295.6	3154.4	3032.5	3032.5
70°	2339.3	2320.1	2304.0	2307.3	2336.1	2352.2	2355.4	2342.6	2358.6	2361.8	2349.0
72.5°	1938.2	1931.8	1899.7	1902.9	1890.1	1883.7	1906.1	1919.0	1944.6	1947.9	1947.9
75°	1405.5	1389.5	1405.5	1408.7	1395.9	1395.9	1412.0	1408.7	1421.6	1428.0	1392.7
77.5°	799.0	799.0	821.5	847.2	866.4	866.4	882.5	882.5	898.5	895.3	888.9
80°	439.6	439.6	452.5	468.5	487.8	507.0	523.1	526.3	535.9	532.7	523.1
82.5°	250.3	253.5	259.9	269.6	288.8	304.9	320.9	324.1	333.7	333.7	324.1
85°	118.7	115.5	118.7	125.2	134.8	147.6	163.7	173.3	179.7	179.7	173.3
87.5°	22.5	25.7	22.5	25.7	28.9	38.5	44.9	51.3	61.0	64.2	57.8
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)