

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: P643187

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643187  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-740-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

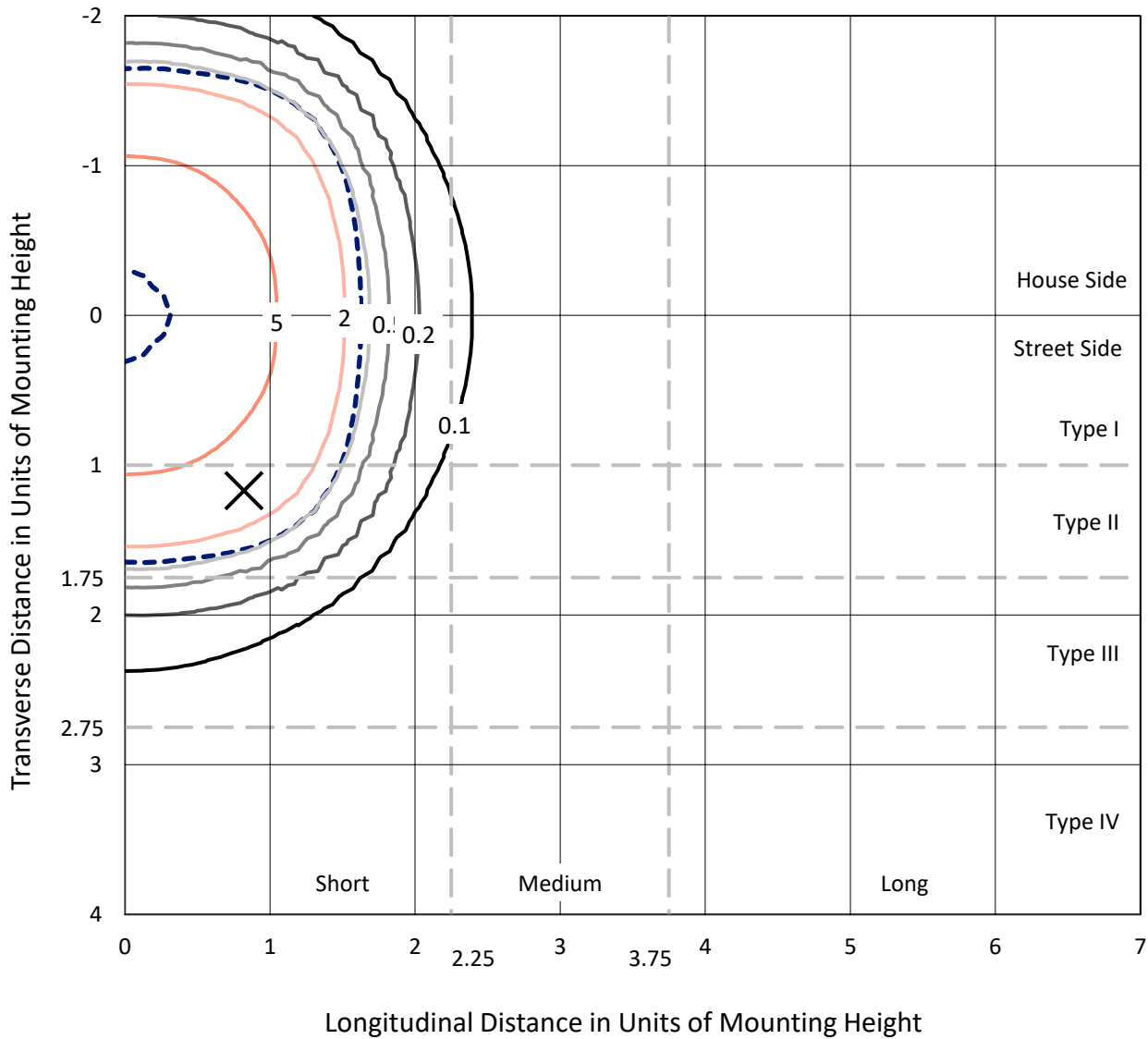
Lumens per Lamp: N/A  
Luminaire Lumens: 40581.5 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

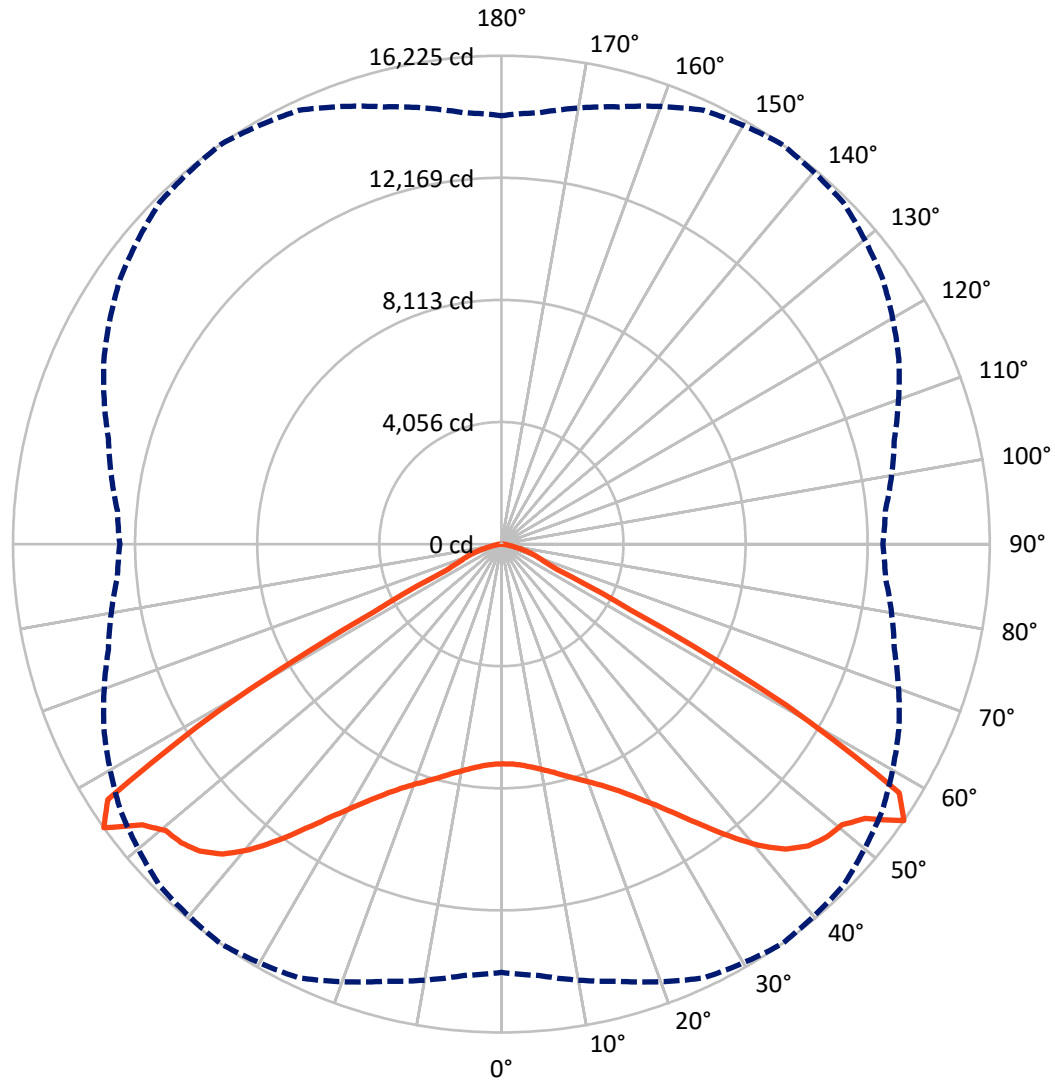
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20290.7	0.0	20290.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20290.7	0.0	20290.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40581.5	0.0	40581.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	712.1	1.8
10°-20°	2267.1	5.6
20°-30°	4196.0	10.3
30°-40°	7019.1	17.3
40°-50°	10696.0	26.4
50°-60°	11981.8	29.5
60°-70°	2835.0	7.0
70°-80°	764.3	1.9
80°-90°	110.0	0.3
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°	40581.5	100.0
0°-180°	40581.5	100.0

**Coefficient of Utilization**



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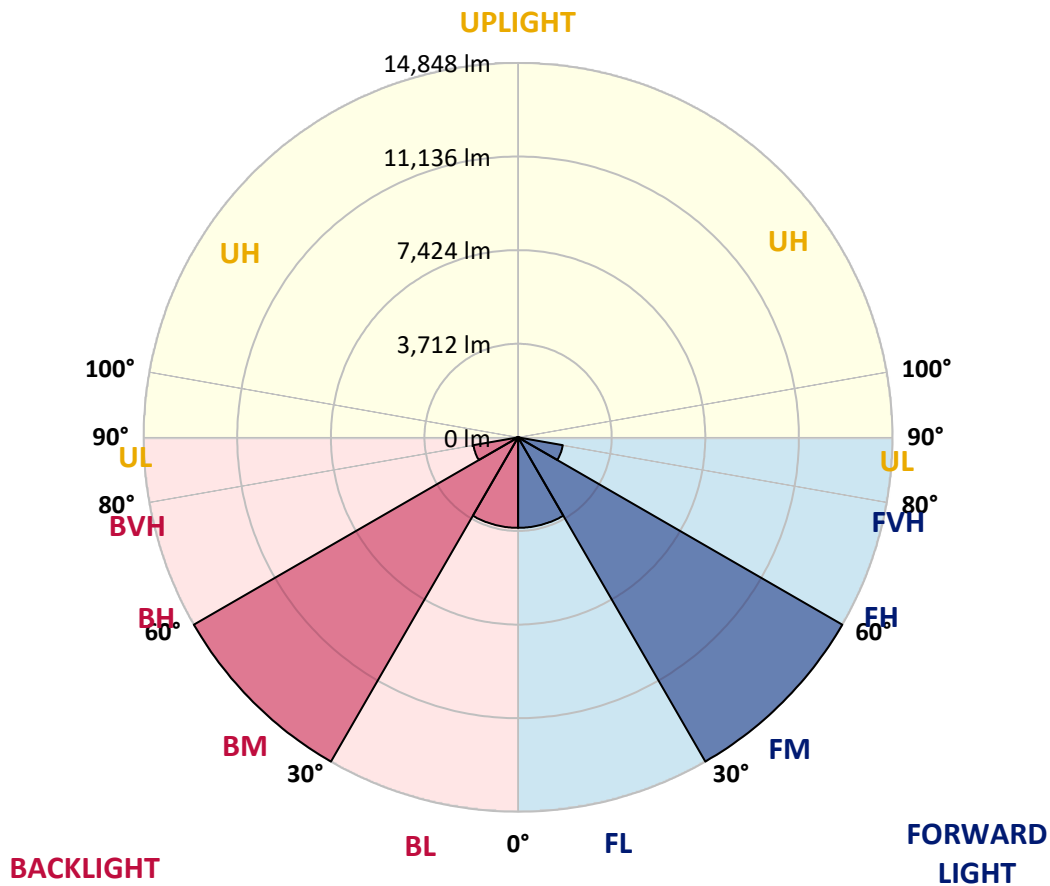
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3587.6	8.8			
FM (30°-60°)	14848.5	36.6			
FH (60°-80°)	1799.7	4.4			G1/1800
FVH (80°-90°)	55.0	0.1			G1/100
BL (0°-30°)	3587.6	8.8	B4/5000		
BM (30°-60°)	14848.5	36.6	B5		
BH (60°-80°)	1799.7	4.4	B3/2500		G1/1800
BVH (80°-90°)	55.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7
2.5°	7284.7	7284.7	7297.5	7313.6	7316.8	7348.9	7342.4	7329.6	7323.2	7310.3	7339.2
5°	7364.9	7368.1	7377.7	7387.4	7380.9	7406.6	7397.0	7380.9	7371.3	7355.3	7384.2
7.5°	7470.8	7470.8	7480.4	7493.3	7486.8	7525.4	7506.1	7483.6	7467.6	7448.3	7474.0
10°	7567.1	7573.5	7583.1	7608.8	7621.6	7663.3	7650.5	7618.4	7592.7	7570.3	7599.2
12.5°	7711.5	7717.9	7727.5	7762.8	7785.3	7827.0	7807.8	7762.8	7724.3	7692.2	7724.3
15°	7897.6	7891.2	7916.9	7961.8	7990.7	8029.2	8006.7	7929.7	7878.4	7836.6	7868.7
17.5°	8087.0	8083.7	8109.4	8167.2	8208.9	8260.2	8221.7	8131.9	8077.3	8026.0	8058.1
20°	8292.3	8302.0	8327.6	8382.2	8443.2	8510.6	8478.5	8382.2	8321.2	8263.5	8289.1
22.5°	8545.9	8549.1	8577.9	8648.5	8728.8	8793.0	8773.7	8655.0	8577.9	8517.0	8549.1
25°	8850.7	8847.5	8886.0	8969.5	9081.8	9146.0	9104.2	8972.7	8889.2	8818.6	8844.3
27.5°	9200.5	9197.3	9255.1	9364.2	9524.6	9614.5	9527.8	9364.2	9248.6	9149.2	9171.6
30°	9640.2	9630.5	9694.7	9842.3	10050.9	10201.8	10073.4	9845.5	9694.7	9588.8	9611.3
32.5°	10127.9	10140.8	10221.0	10420.0	10683.1	10878.9	10686.3	10432.8	10230.6	10076.6	10102.3
35°	10663.9	10663.9	10827.5	11074.6	11450.1	11710.0	11411.6	11045.7	10776.2	10564.4	10570.8
37.5°	11260.8	11267.2	11482.2	11822.4	12313.3	12618.2	12213.9	11761.4	11434.1	11206.2	11193.4
40°	11989.2	12008.5	12229.9	12608.6	13160.6	13439.7	13006.5	12563.7	12229.9	11960.3	11934.7
42.5°	12810.8	12817.2	13051.4	13391.6	13856.9	14023.8	13683.6	13321.0	13048.2	12804.3	12778.7
45°	13593.8	13577.7	13779.9	14033.4	14303.0	14319.0	14129.7	13982.1	13744.6	13536.0	13497.5
47.5°	14203.5	14190.7	14373.6	14511.6	14543.7	14386.4	14447.4	14469.9	14193.9	13911.5	13837.7
50°	14575.8	14601.4	14774.7	14851.8	14662.4	14405.7	14636.7	14579.0	14184.3	13815.2	13696.5
52.5°	14800.4	14838.9	15140.6	15336.3	15140.6	14896.7	14928.8	14588.6	14020.6	13532.8	13378.8
55°	14232.4	14386.4	15037.9	15904.3	16225.3	16055.2	15445.4	14569.4	13516.8	12807.6	12676.0
57.5°	10548.3	10792.2	11758.2	13635.5	15586.6	16206.0	14424.9	12213.9	10618.9	9707.6	9630.5
60°	5384.9	5657.7	6431.1	8359.7	10869.2	11742.1	10047.7	7820.6	6216.0	5477.9	5394.5
62.5°	2198.2	2243.2	2496.7	3241.2	4804.0	5542.1	4868.2	3417.7	2567.3	2365.1	2368.3
65°	1729.7	1739.3	1726.5	1771.4	2012.1	2233.5	2063.5	1813.1	1768.2	1790.7	1774.6
67.5°	1508.3	1511.5	1501.9	1501.9	1511.5	1501.9	1521.1	1530.7	1537.2	1562.8	1546.8
70°	1261.2	1264.4	1264.4	1270.8	1267.6	1251.6	1280.4	1293.3	1296.5	1312.5	1302.9
72.5°	975.6	985.2	991.6	994.8	991.6	982.0	998.0	1020.5	1017.3	1033.3	1017.3
75°	661.1	673.9	680.3	693.2	690.0	690.0	709.2	718.8	709.2	722.0	709.2
77.5°	375.5	385.1	404.3	417.2	430.0	439.6	452.5	458.9	455.7	462.1	455.7
80°	218.2	221.4	237.5	243.9	259.9	276.0	288.8	295.2	298.4	301.7	298.4
82.5°	125.2	128.4	134.8	141.2	154.0	166.9	179.7	189.3	189.3	192.5	189.3
85°	61.0	61.0	64.2	67.4	73.8	83.4	93.1	102.7	105.9	105.9	105.9
87.5°	9.6	9.6	12.8	12.8	16.0	19.3	25.7	32.1	35.3	35.3	35.3
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)