

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: P643184

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643184
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-SAGE-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39195.2 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

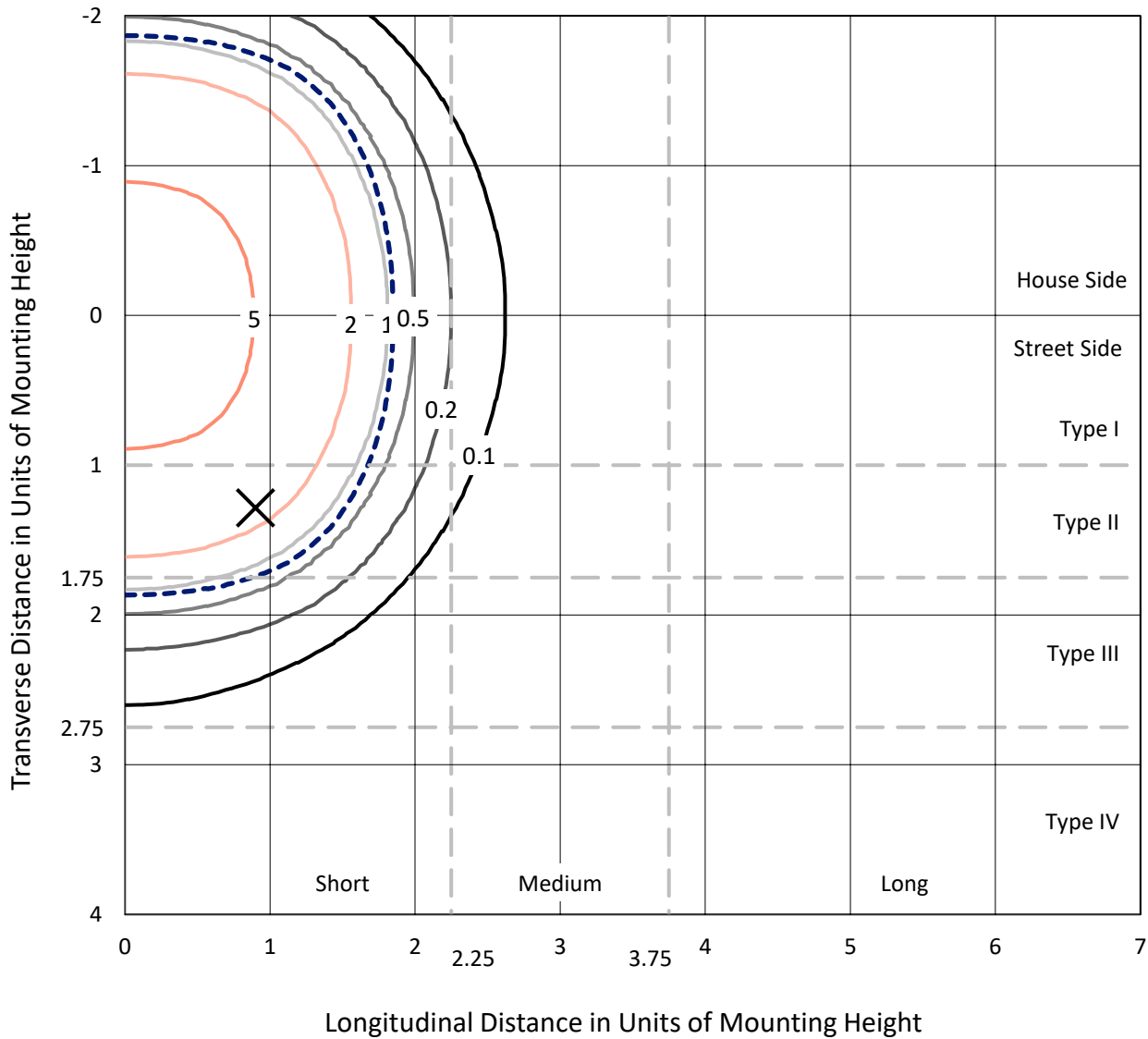
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

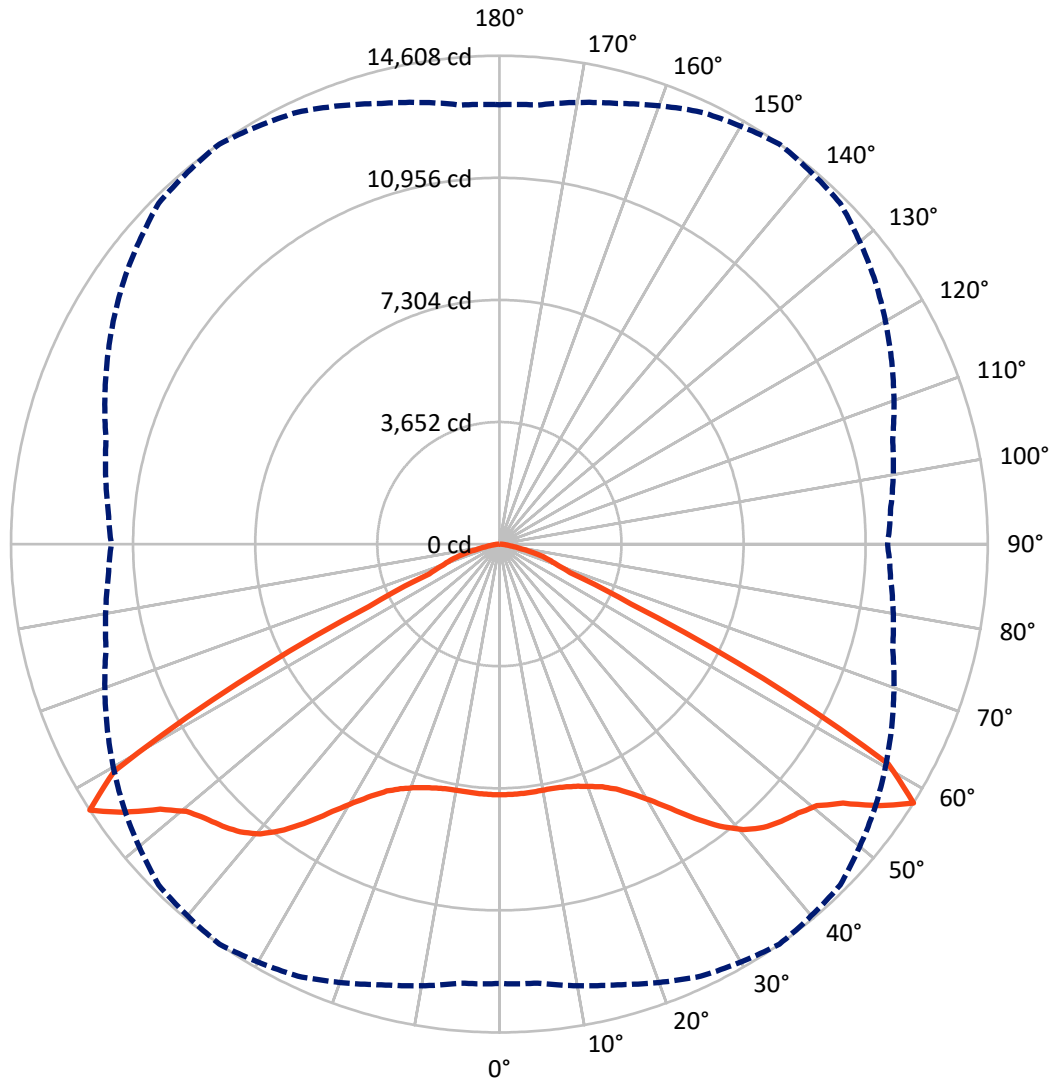
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.3 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
House Side	Lumens	19597.6	0.0	19597.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19597.6	0.0	19597.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	39195.2	0.0	39195.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.5	1.8
10°-20°	2128.6	5.4
20°-30°	3714.0	9.5
30°-40°	6090.1	15.5
40°-50°	8969.3	22.9
50°-60°	11446.4	29.2
60°-70°	4824.0	12.3
70°-80°	1152.4	2.9
80°-90°	156.8	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°	39195.2	100.0
0°-180°	39195.2	100.0

Coefficient of Utilization



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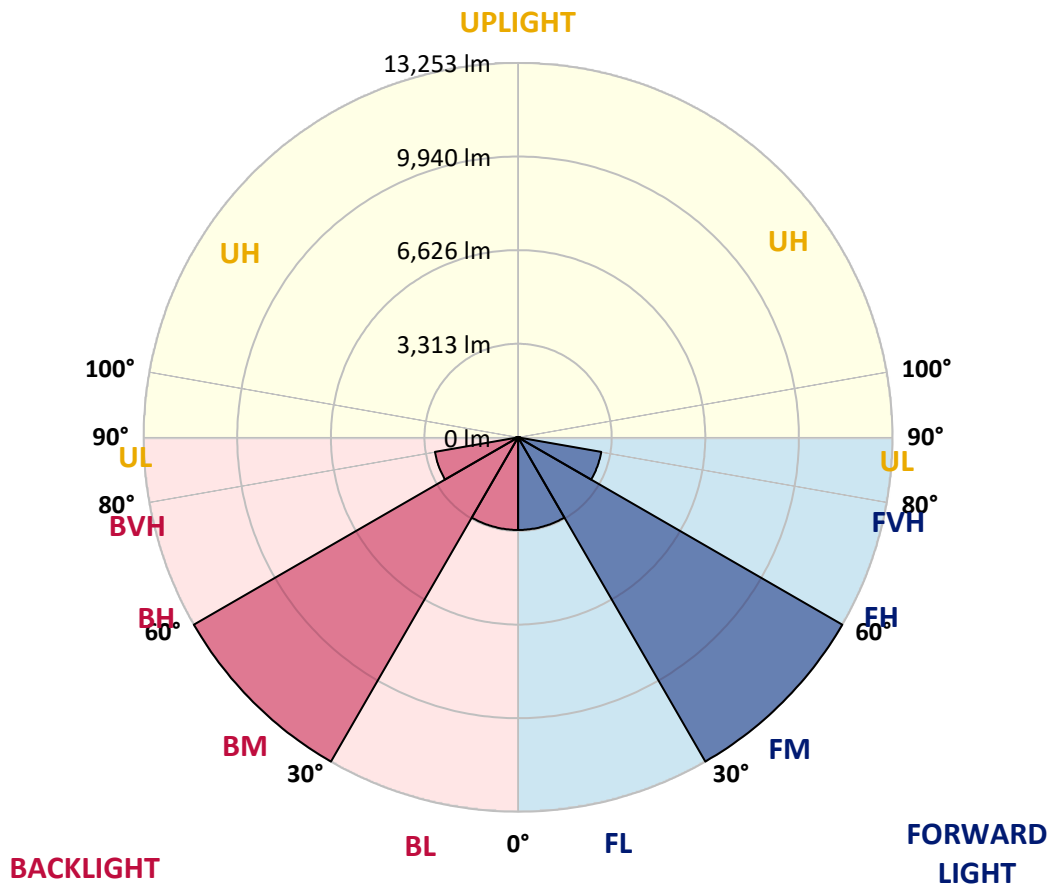
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3278.0	8.4			
FM (30°-60°)	13253.0	33.8			
FH (60°-80°)	2988.2	7.6			G2/5000
FVH (80°-90°)	78.4	0.2			G1/100
BL (0°-30°)	3278.0	8.4	B4/5000		
BM (30°-60°)	13253.0	33.8	B5		
BH (60°-80°)	2988.2	7.6	B4/5000		G2/5000
BVH (80°-90°)	78.4	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°	7499.6	7499.6	7499.6	7499.6	7499.6	7499.6	7499.6	7499.6	7499.6	7499.6	7499.6
2.5°	7454.6	7454.6	7470.7	7486.7	7493.1	7522.0	7518.8	7509.2	7502.8	7483.5	7509.2
5°	7470.7	7470.7	7483.5	7493.1	7489.9	7512.4	7502.8	7486.7	7477.1	7457.8	7486.7
7.5°	7467.5	7467.5	7477.1	7486.7	7480.3	7499.6	7483.5	7461.0	7445.0	7425.7	7451.4
10°	7425.7	7432.2	7441.8	7464.3	7473.9	7502.8	7480.3	7445.0	7419.3	7396.9	7422.5
12.5°	7419.3	7425.7	7438.6	7467.5	7483.5	7525.2	7496.3	7438.6	7400.1	7371.2	7396.9
15°	7448.2	7454.6	7473.9	7509.2	7534.9	7579.8	7538.1	7457.8	7403.3	7364.8	7387.2
17.5°	7483.5	7493.1	7522.0	7573.4	7615.1	7663.2	7611.9	7515.6	7438.6	7387.2	7406.5
20°	7522.0	7534.9	7579.8	7656.8	7733.8	7794.8	7730.6	7602.2	7509.2	7441.8	7461.0
22.5°	7589.4	7605.5	7663.2	7772.3	7887.8	7977.7	7897.5	7724.2	7602.2	7515.6	7531.6
25°	7727.4	7746.6	7820.5	7952.0	8115.7	8224.8	8112.5	7916.7	7746.6	7640.8	7656.8
27.5°	7971.3	7980.9	8077.2	8250.5	8452.6	8577.8	8443.0	8212.0	8022.6	7900.7	7913.5
30°	8292.2	8321.1	8417.3	8645.2	8885.9	9052.7	8876.2	8603.5	8385.3	8237.6	8250.5
32.5°	8683.7	8702.9	8847.4	9084.8	9431.4	9623.9	9383.3	9059.2	8796.0	8616.3	8629.1
35°	9197.1	9213.2	9351.2	9652.8	10073.2	10252.9	9976.9	9604.7	9299.8	9129.8	9177.9
37.5°	9810.1	9839.0	9938.4	10236.9	10705.4	10881.9	10564.2	10217.6	9899.9	9742.7	9778.0
40°	10467.9	10464.7	10544.9	10808.1	11234.9	11344.0	11058.4	10782.4	10509.6	10407.0	10464.7
42.5°	11032.7	11016.7	11074.4	11292.7	11587.9	11597.5	11408.2	11254.1	11061.6	10991.0	11045.6
45°	11427.4	11433.8	11520.5	11671.3	11822.1	11741.9	11684.2	11658.5	11507.7	11411.4	11421.0
47.5°	11738.7	11764.4	11902.4	12005.1	12024.3	11889.5	11969.8	12008.3	11883.1	11735.5	11693.8
50°	12014.7	12056.4	12236.1	12345.2	12303.5	12133.4	12290.7	12348.4	12072.5	11790.1	11706.6
52.5°	12515.3	12563.4	12781.7	12922.8	12874.7	12704.6	12852.3	12646.9	12181.6	11835.0	11729.1
55°	13314.4	13336.8	13603.2	13834.2	13811.8	13603.2	13484.4	13028.7	12464.0	12104.5	12005.1
57.5°	13144.3	13182.8	13644.9	14261.0	14607.6	14418.3	13721.9	12945.3	12178.3	11745.1	11610.3
60°	10342.8	10435.8	11010.3	12094.9	13365.7	13362.5	12069.2	10862.6	9938.4	9364.0	9306.2
62.5°	6039.4	6103.6	6626.7	7724.2	8863.4	8934.0	8025.8	7197.9	6389.2	6000.9	5814.8
65°	2859.3	2856.1	3064.6	3558.8	4329.0	4390.0	4117.2	3664.7	3186.6	3055.0	3019.7
67.5°	2111.6	2111.6	2095.5	2130.8	2278.4	2310.5	2278.4	2204.6	2159.7	2188.6	2169.3
70°	1832.4	1835.6	1816.3	1806.7	1806.7	1797.1	1809.9	1838.8	1858.0	1896.5	1877.3
72.5°	1485.8	1489.0	1489.0	1492.2	1495.4	1482.6	1501.8	1517.9	1521.1	1533.9	1521.1
75°	1055.8	1062.2	1081.5	1097.5	1110.3	1110.3	1116.7	1120.0	1107.1	1123.2	1097.5
77.5°	580.8	587.3	622.6	651.4	680.3	683.5	693.2	699.6	693.2	706.0	686.7
80°	320.9	327.3	343.4	356.2	378.7	397.9	410.8	417.2	417.2	426.8	417.2
82.5°	182.9	189.3	199.0	205.4	224.6	240.7	253.5	263.1	263.1	266.4	259.9
85°	86.6	86.6	93.1	99.5	109.1	115.5	131.6	141.2	141.2	147.6	141.2
87.5°	12.8	16.0	19.3	19.3	25.7	32.1	38.5	41.7	48.1	51.3	51.3
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)