

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: P642195

Luminaire Tested: GWS-SA6C-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29405.3 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

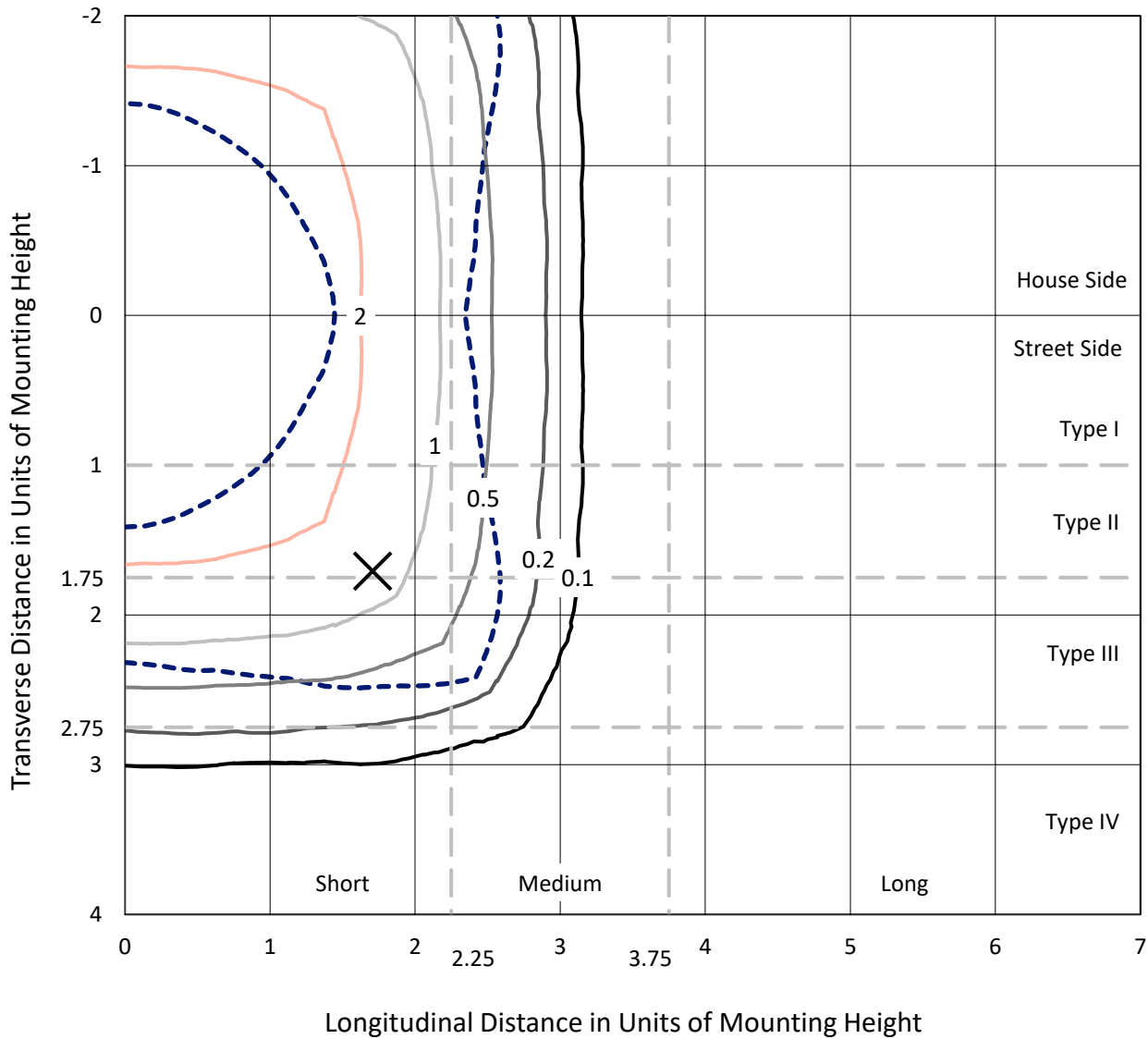
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

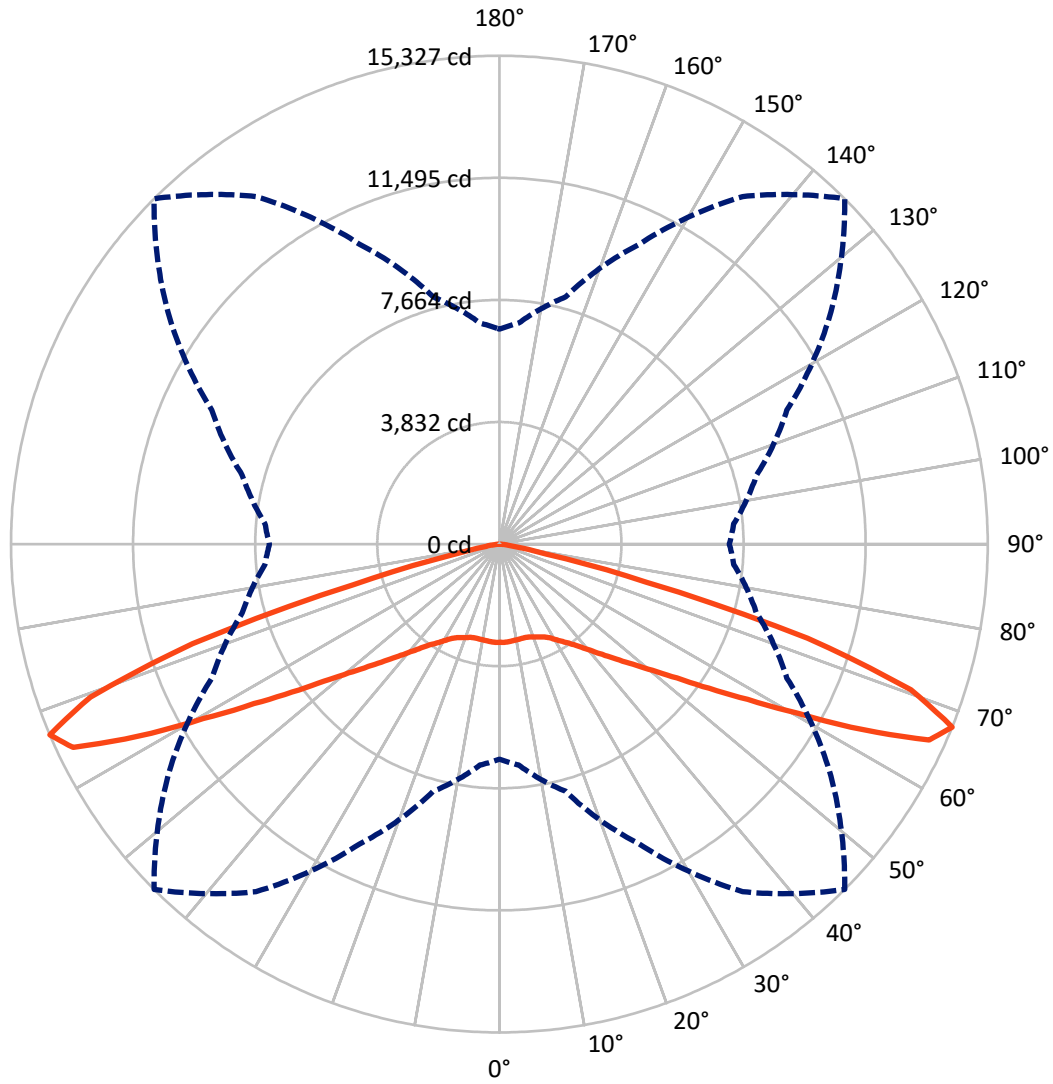
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14702.7	0.0	14702.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14702.7	0.0	14702.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	29405.3	0.0	29405.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.5	1.0
10°-20°	856.1	2.9
20°-30°	1476.5	5.0
30°-40°	2400.9	8.2
40°-50°	4042.7	13.7
50°-60°	7162.8	24.4
60°-70°	10238.8	34.8
70°-80°	2810.1	9.6
80°-90°	125.9	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°	29405.3	100.0
0°-180°	29405.3	100.0

Coefficient of Utilization



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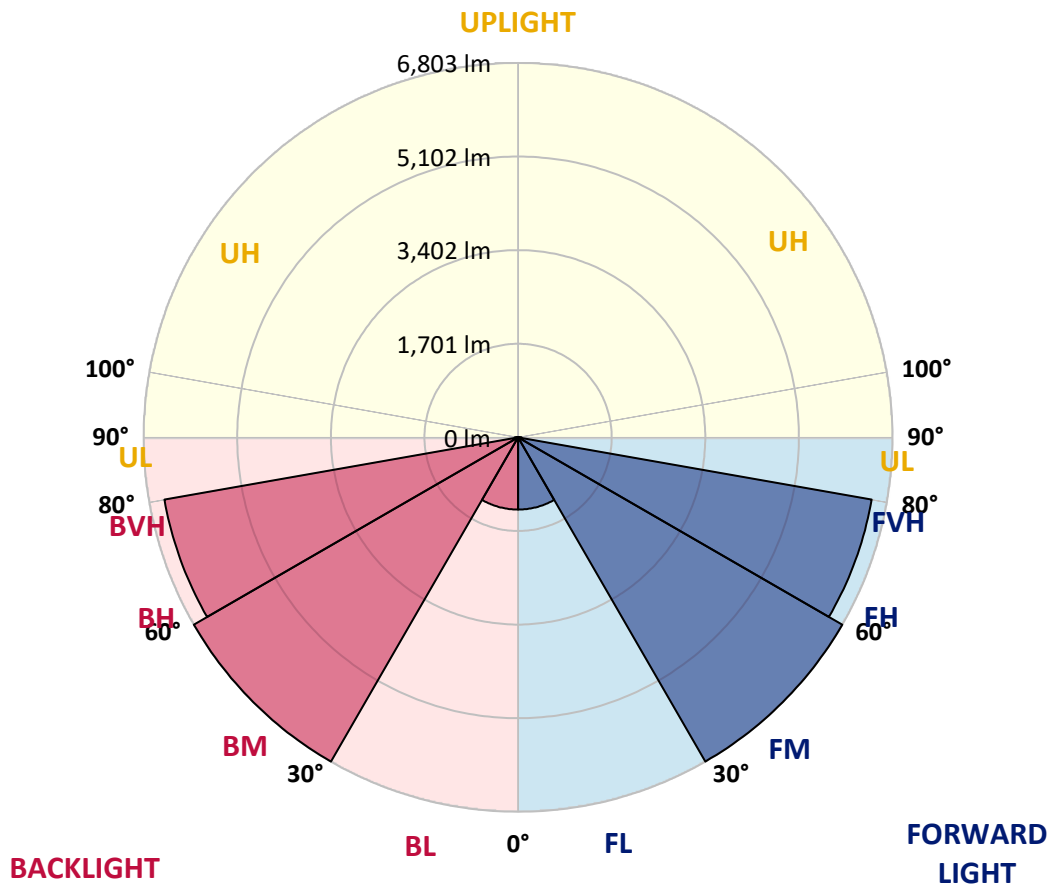
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1312.1	4.5			
FM (30°-60°)	6803.2	23.1			
FH (60°-80°)	6524.4	22.2			G3/7500
FVH (80°-90°)	62.9	0.2			G1/100
BL (0°-30°)	1312.1	4.5	B3/2500		
BM (30°-60°)	6803.2	23.1	B4/8500		
BH (60°-80°)	6524.4	22.2	B5		G3/7500
BVH (80°-90°)	62.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3079.7	3079.7	3079.7	3079.7	3079.7	3079.7	3079.7	3079.7	3079.7	3079.7	3079.7
2.5°	3059.3	3057.3	3067.5	3073.6	3071.5	3085.8	3083.8	3079.7	3079.7	3073.6	3089.9
5°	3059.3	3057.3	3065.4	3067.5	3063.4	3075.6	3071.5	3067.5	3067.5	3059.3	3073.6
7.5°	3043.0	3045.1	3051.2	3055.3	3051.2	3061.4	3055.3	3047.1	3045.1	3036.9	3051.2
10°	3012.5	3014.6	3020.7	3030.8	3032.9	3051.2	3041.0	3026.8	3020.7	3012.5	3026.8
12.5°	2994.2	2996.2	3002.3	3014.6	3018.6	3043.0	3032.9	3010.5	3000.3	2992.2	3006.4
15°	2990.1	2992.2	3000.3	3012.5	3018.6	3043.0	3032.9	3006.4	2992.2	2982.0	2994.2
17.5°	2990.1	2994.2	3006.4	3024.7	3036.9	3061.4	3049.2	3018.6	2998.3	2979.9	2992.2
20°	2992.2	2998.3	3016.6	3043.0	3073.6	3108.2	3091.9	3051.2	3022.7	3000.3	3008.4
22.5°	3010.5	3020.7	3043.0	3077.7	3122.4	3163.1	3148.9	3093.9	3053.2	3022.7	3030.8
25°	3073.6	3077.7	3106.1	3150.9	3193.7	3228.3	3214.0	3163.1	3112.3	3075.6	3085.8
27.5°	3185.5	3195.7	3220.1	3267.0	3303.6	3321.9	3319.9	3285.3	3234.4	3201.8	3210.0
30°	3319.9	3330.1	3362.6	3415.5	3452.2	3472.5	3466.4	3440.0	3393.2	3348.4	3356.5
32.5°	3476.6	3480.7	3519.4	3578.4	3617.1	3647.6	3627.2	3598.7	3539.7	3486.8	3490.9
35°	3676.1	3682.2	3722.9	3777.9	3808.4	3832.8	3828.7	3800.2	3737.1	3680.2	3694.4
37.5°	3926.4	3930.5	3967.2	4036.4	4060.8	4079.1	4083.2	4068.9	4003.8	3930.5	3944.8
40°	4237.9	4239.9	4280.6	4341.7	4368.1	4380.4	4382.4	4384.4	4317.3	4262.3	4258.2
42.5°	4600.2	4610.4	4667.4	4726.4	4738.6	4732.5	4752.9	4773.2	4708.1	4632.8	4638.9
45°	5033.8	5039.9	5117.2	5182.3	5160.0	5139.6	5178.3	5219.0	5160.0	5062.2	5033.8
47.5°	5546.7	5558.9	5642.4	5707.5	5670.9	5634.2	5697.3	5740.1	5644.4	5540.6	5514.1
50°	6126.8	6134.9	6253.0	6334.4	6291.7	6224.5	6303.9	6348.7	6220.4	6092.2	6035.2
52.5°	6812.8	6796.5	6953.2	7095.7	7069.2	6981.7	7046.8	7055.0	6863.7	6682.5	6625.5
55°	7649.3	7633.1	7789.8	7946.5	8011.7	7989.3	7958.7	7909.9	7627.0	7433.6	7380.7
57.5°	8624.3	8573.5	8793.3	9005.0	9147.5	9188.2	9057.9	8943.9	8720.0	8481.9	8420.8
60°	9530.1	9528.1	9876.2	10242.6	10633.4	10796.2	10466.5	10157.1	9654.3	9220.7	9133.2
62.5°	9784.6	9827.3	10397.3	11305.1	12269.9	12845.9	11976.8	10952.9	9982.0	9328.6	9212.6
65°	9157.6	9263.5	10073.6	11506.6	13411.8	14820.4	12858.2	10971.3	9617.7	8803.5	8681.3
67.5°	6749.7	6961.4	8034.1	10383.0	13314.1	15327.2	12701.4	9955.6	8353.6	7384.7	7215.8
70°	3330.1	3531.6	4382.4	6831.1	10955.0	13700.8	10989.6	7502.8	5642.4	4710.1	4555.4
72.5°	1225.4	1306.8	1640.6	2923.0	6045.4	10120.4	7515.0	4191.1	2733.7	2175.9	2072.1
75°	600.5	614.7	665.6	981.1	2230.9	4763.0	3531.6	1608.0	1005.5	875.3	846.8
77.5°	382.7	388.8	413.2	468.2	716.5	1500.2	1070.7	635.1	492.6	472.2	472.2
80°	213.7	219.8	252.4	291.1	335.9	515.0	384.7	380.6	323.6	282.9	276.8
82.5°	101.8	112.0	160.8	158.8	177.1	258.5	225.9	205.6	207.6	156.7	148.6
85°	46.8	46.8	63.1	75.3	79.4	87.5	103.8	118.1	116.0	79.4	85.5
87.5°	22.4	22.4	22.4	20.4	18.3	16.3	22.4	36.6	52.9	36.6	34.6
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)