

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: P642696

Luminaire Tested: GWS-SA6D-740-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36316 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

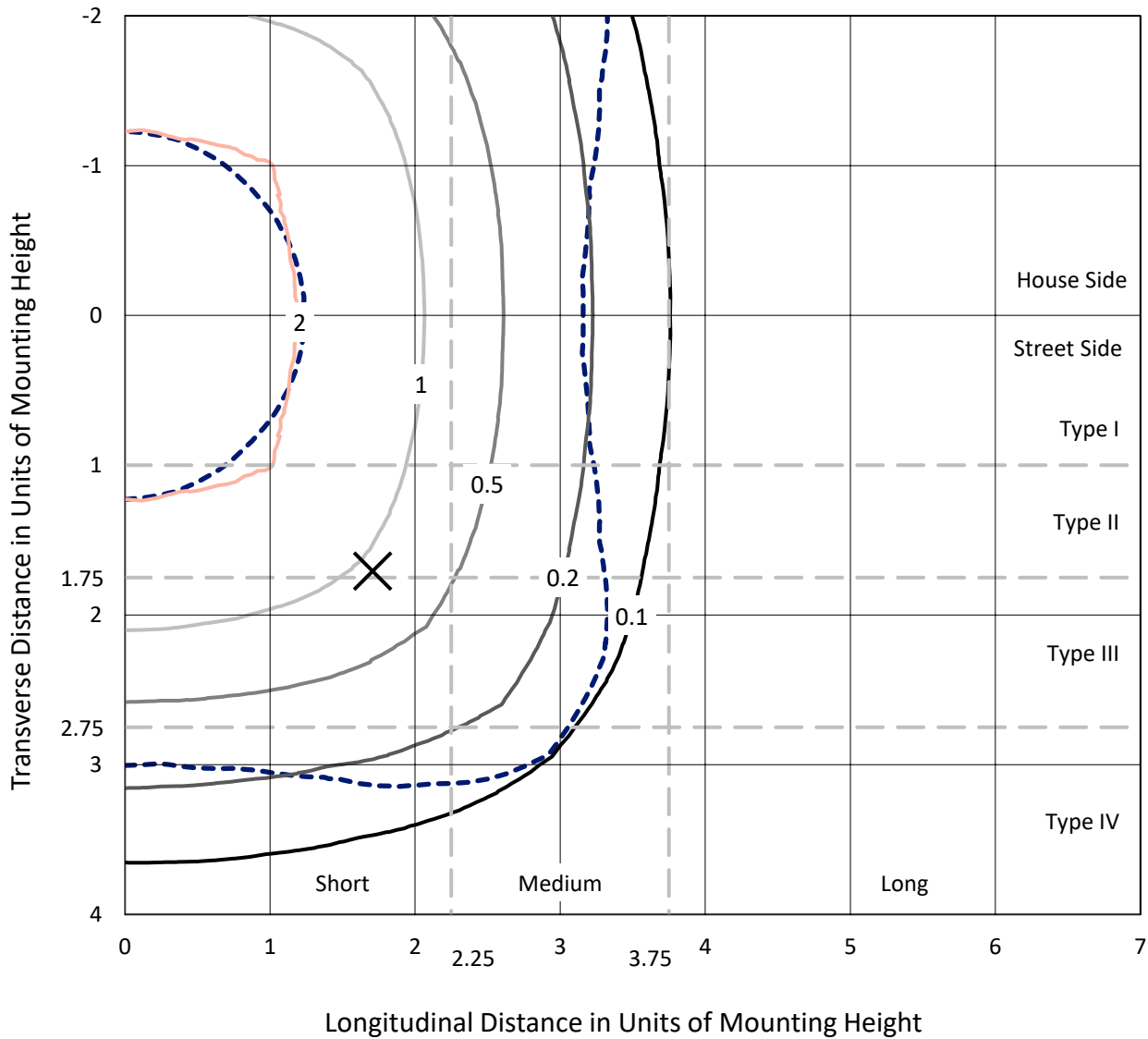
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

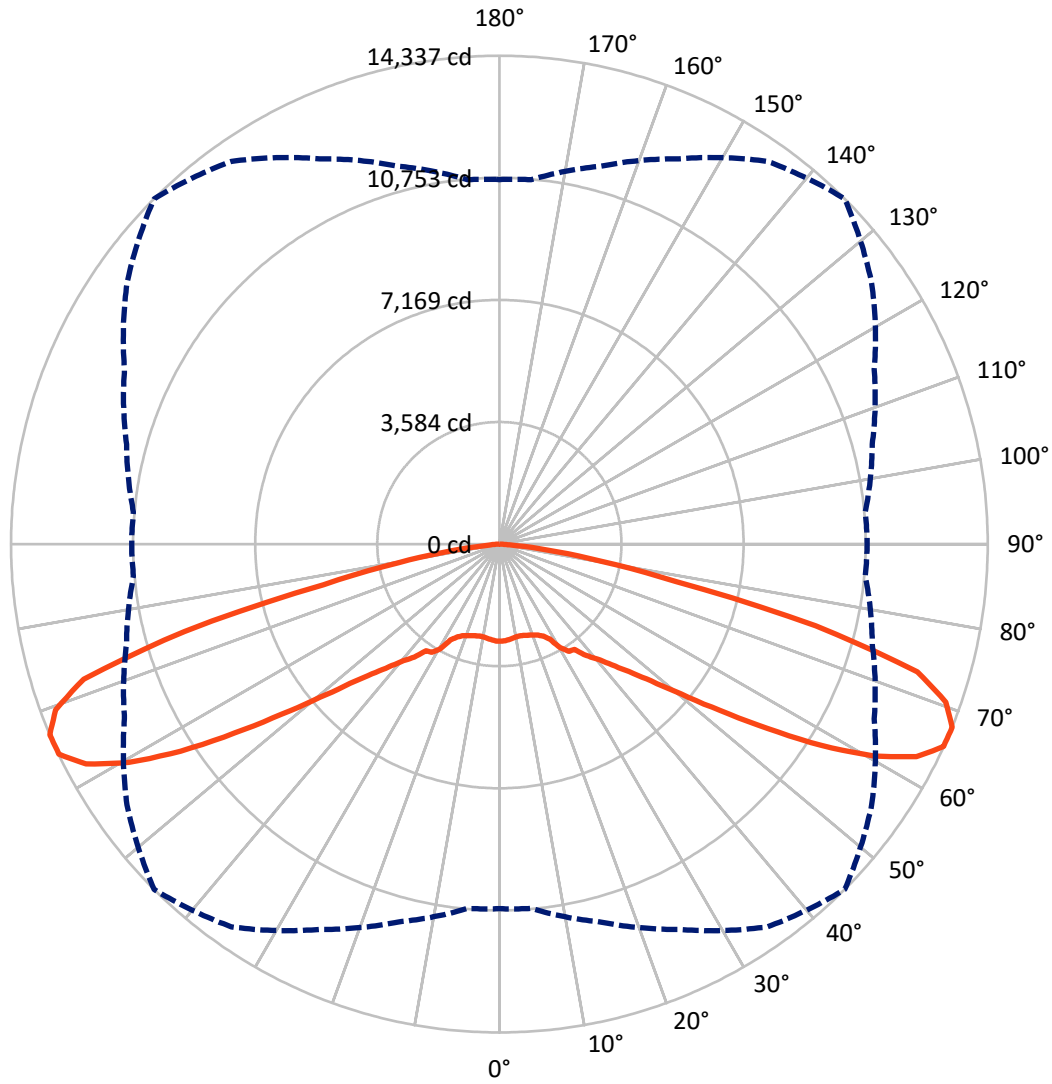
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.2 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	18158.0	0.0	18158.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18158.0	0.0	18158.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36316.0	0.0	36316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	0.7
10°-20°	793.5	2.2
20°-30°	1423.5	3.9
30°-40°	2404.6	6.6
40°-50°	4224.9	11.6
50°-60°	8150.1	22.4
60°-70°	11824.7	32.6
70°-80°	6765.5	18.6
80°-90°	461.7	1.3
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°	36316.0	100.0
0°-180°	36316.0	100.0

Coefficient of Utilization



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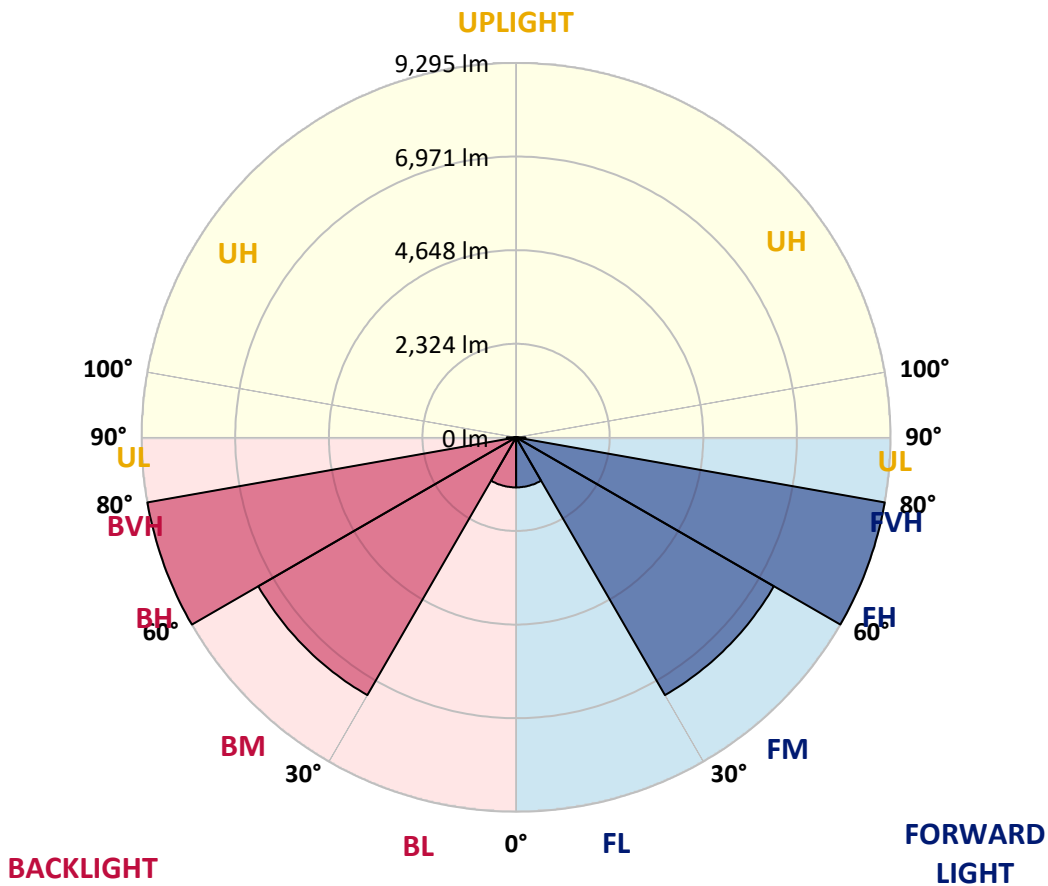
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1242.2	3.4			
FM (30°-60°)	7389.8	20.3			
FH (60°-80°)	9295.1	25.6			G4/12000
FVH (80°-90°)	230.9	0.6			G3/500
BL (0°-30°)	1242.2	3.4	B3/2500		
BM (30°-60°)	7389.8	20.3	B4/8500		
BH (60°-80°)	9295.1	25.6	B5		G4/12000
BVH (80°-90°)	230.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9
2.5°	2824.8	2827.4	2832.5	2832.5	2837.6	2845.3	2847.9	2842.8	2845.3	2832.5	2845.3
5°	2817.1	2819.7	2822.2	2817.1	2817.1	2819.7	2819.7	2814.5	2817.1	2804.3	2817.1
7.5°	2799.1	2801.7	2801.7	2794.0	2786.3	2791.4	2791.4	2786.3	2788.9	2776.0	2791.4
10°	2783.7	2783.7	2781.1	2765.7	2758.0	2765.7	2768.3	2770.9	2781.1	2770.9	2788.9
12.5°	2794.0	2794.0	2786.3	2765.7	2752.9	2758.0	2763.2	2768.3	2786.3	2783.7	2804.3
15°	2822.2	2824.8	2804.3	2781.1	2773.4	2781.1	2776.0	2773.4	2796.6	2804.3	2827.4
17.5°	2845.3	2845.3	2819.7	2796.6	2799.1	2812.0	2801.7	2788.9	2812.0	2827.4	2853.1
20°	2865.9	2863.3	2835.1	2819.7	2829.9	2847.9	2840.2	2822.2	2837.6	2855.6	2878.7
22.5°	2917.3	2914.7	2883.9	2876.2	2886.4	2904.4	2896.7	2881.3	2899.3	2925.0	2953.2
25°	3063.6	3058.5	3012.3	2986.6	2981.5	2994.3	2991.7	2986.6	3014.8	3045.7	3079.0
27.5°	3258.8	3256.2	3222.8	3197.2	3163.8	3153.5	3161.2	3184.3	3225.4	3248.5	3276.8
30°	3356.4	3356.4	3351.2	3392.3	3464.2	3533.6	3479.6	3392.3	3356.4	3346.1	3374.4
32.5°	3484.8	3497.6	3479.6	3525.9	3646.6	3749.3	3646.6	3505.3	3479.6	3479.6	3510.5
35°	3780.1	3785.2	3757.0	3749.3	3787.8	3800.6	3751.9	3700.5	3728.7	3733.9	3772.4
37.5°	4016.4	4016.4	4003.5	4024.1	4103.7	4152.5	4072.9	3980.4	3988.1	3993.2	4042.0
40°	4381.0	4391.3	4360.5	4357.9	4388.7	4432.4	4347.6	4288.6	4329.7	4342.5	4417.0
42.5°	4835.6	4835.6	4789.3	4776.5	4797.0	4843.3	4763.6	4725.1	4779.1	4789.3	4833.0
45°	5377.4	5390.2	5328.6	5305.5	5315.8	5331.2	5274.7	5256.7	5308.1	5331.2	5408.2
47.5°	6037.4	6050.2	5996.3	5993.7	5983.4	5993.7	5939.8	5929.5	5970.6	5952.6	6034.8
50°	6851.4	6874.5	6828.3	6892.5	6884.8	6915.6	6841.2	6787.2	6787.2	6738.4	6784.7
52.5°	7763.1	7809.3	7832.4	7940.3	8022.4	8099.5	7976.2	7891.5	7768.2	7668.1	7793.9
55°	8756.9	8744.1	8890.4	9126.7	9368.1	9550.4	9309.0	9041.9	8841.6	8633.6	8682.4
57.5°	9627.4	9671.1	9863.7	10295.1	10772.8	11158.0	10724.0	10210.4	9755.8	9458.0	9499.0
60°	10351.6	10387.6	10644.4	11265.8	12100.4	12632.0	11943.8	11096.3	10436.4	10025.5	10069.1
62.5°	11019.3	11052.7	11312.1	11997.7	13050.6	13744.0	12855.4	11697.3	10962.8	10549.4	10575.0
65°	11404.5	11425.0	11779.4	12501.0	13610.4	14326.9	13325.4	12131.2	11409.6	10988.5	11003.9
67.5°	10703.4	10736.8	11484.1	12480.5	13718.3	14337.2	13345.9	12144.1	11332.6	10783.0	10795.9
70°	8443.6	8415.3	9306.4	11019.3	13099.4	13905.7	12752.7	11232.4	9979.3	9211.4	9198.6
72.5°	6438.0	6445.7	6941.3	8114.9	10680.3	12832.3	11253.0	9044.5	7693.7	7110.8	7087.7
75°	4668.6	4740.5	5143.7	6004.0	7470.3	9591.5	8471.8	6702.5	5798.6	5449.3	5397.9
77.5°	2103.2	2195.6	2758.0	3769.8	4994.8	5300.4	5320.9	4550.5	3433.4	2853.1	2763.2
80°	613.8	657.4	844.9	1445.8	2326.6	3007.1	2388.2	2008.2	1250.6	981.0	934.8
82.5°	259.4	295.3	362.1	400.6	675.4	1394.4	868.0	552.1	513.6	416.0	380.1
85°	110.4	118.1	151.5	161.8	218.3	297.9	274.8	249.1	238.8	184.9	169.5
87.5°	46.2	46.2	46.2	41.1	38.5	41.1	56.5	71.9	95.0	74.5	69.3
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)