

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: P642694

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18851.3 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

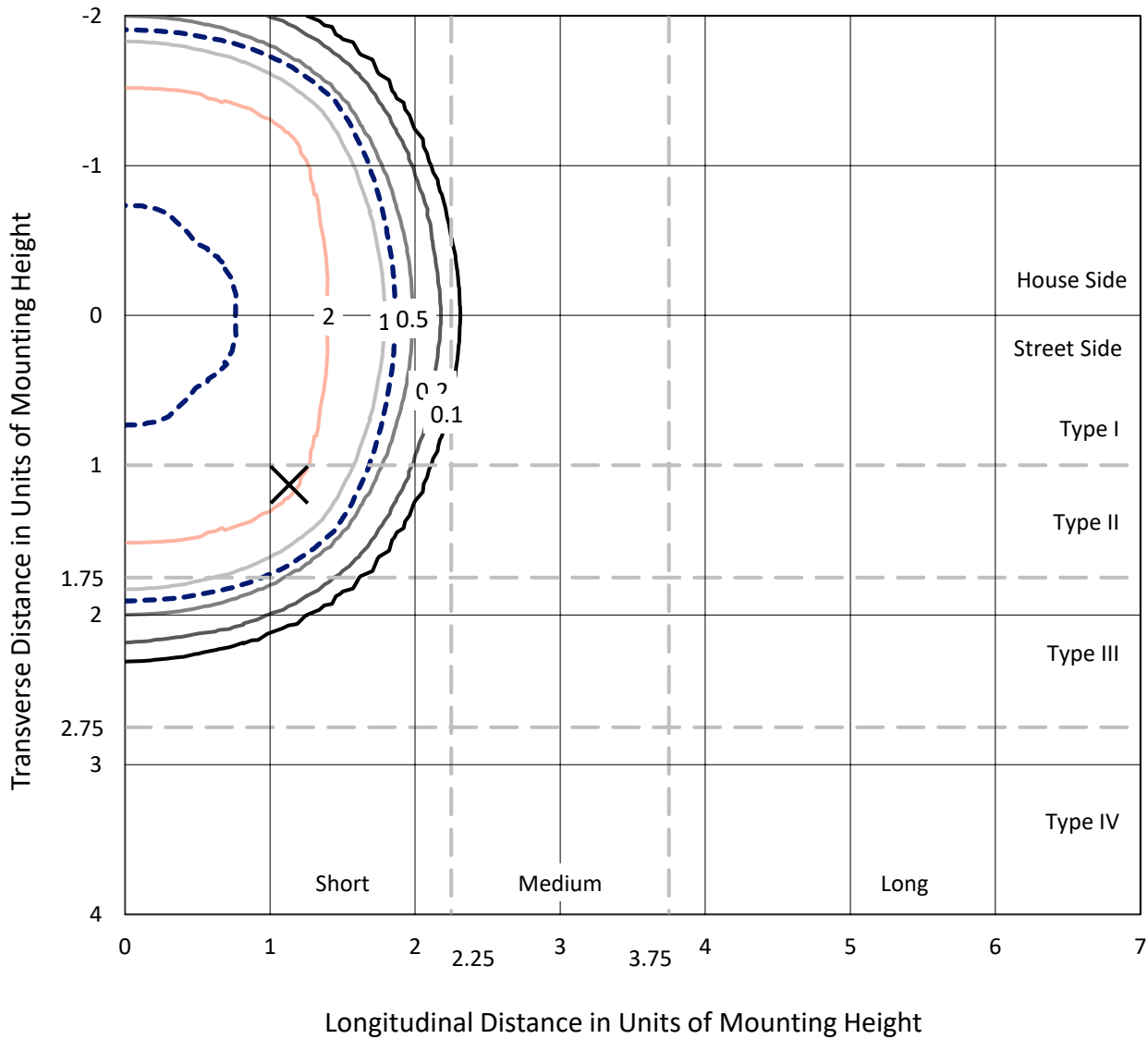


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Iso-Footcandle Lines of Horizontal Illumination

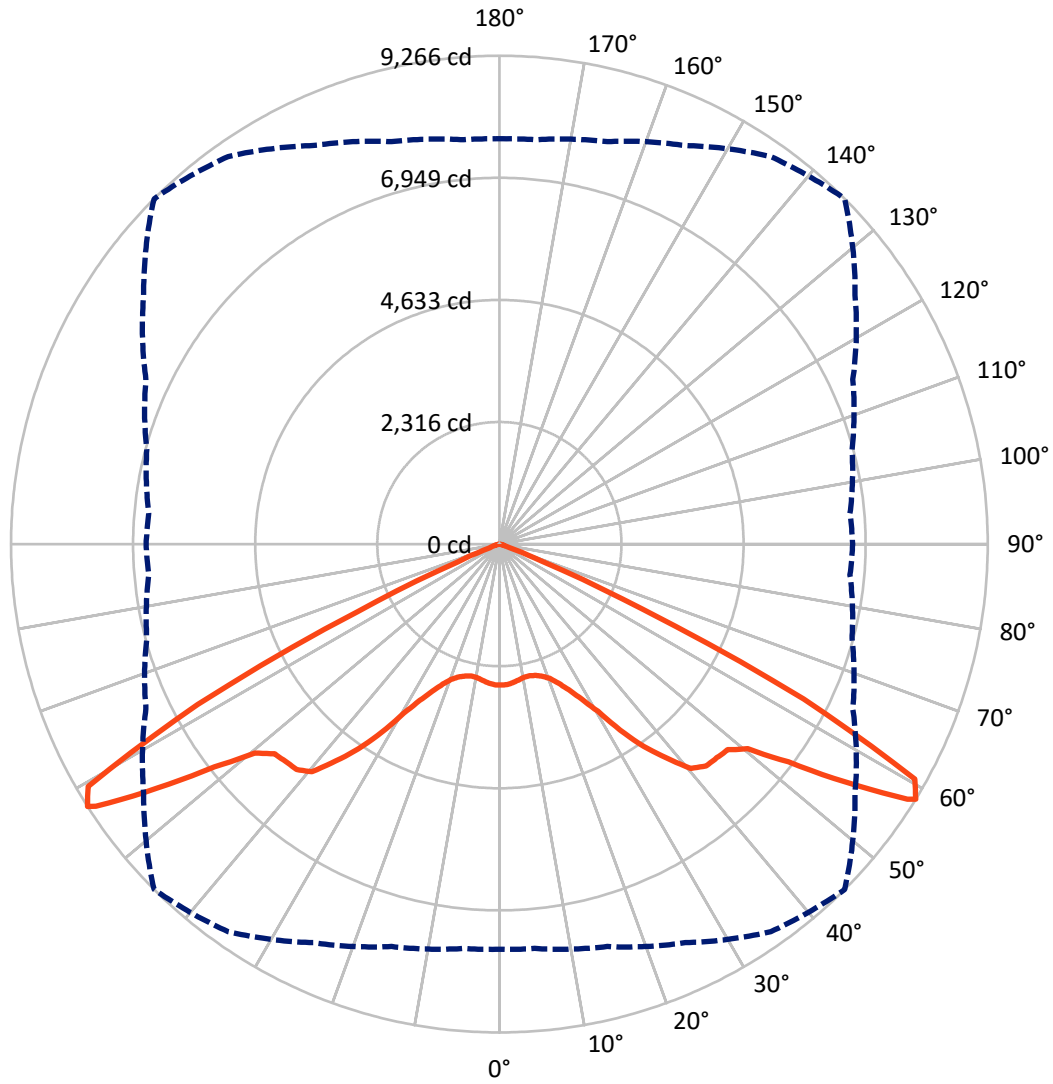
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9425.7	0.0	9425.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9425.7	0.0	9425.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18851.3	0.0	18851.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.4	1.3
10°-20°	738.0	3.9
20°-30°	1395.8	7.4
30°-40°	2752.9	14.6
40°-50°	4356.4	23.1
50°-60°	6403.7	34.0
60°-70°	2858.4	15.2
70°-80°	95.8	0.5
80°-90°	0.8	0.0
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°	18851.3	100.0
0°-180°	18851.3	100.0

Coefficient of Utilization



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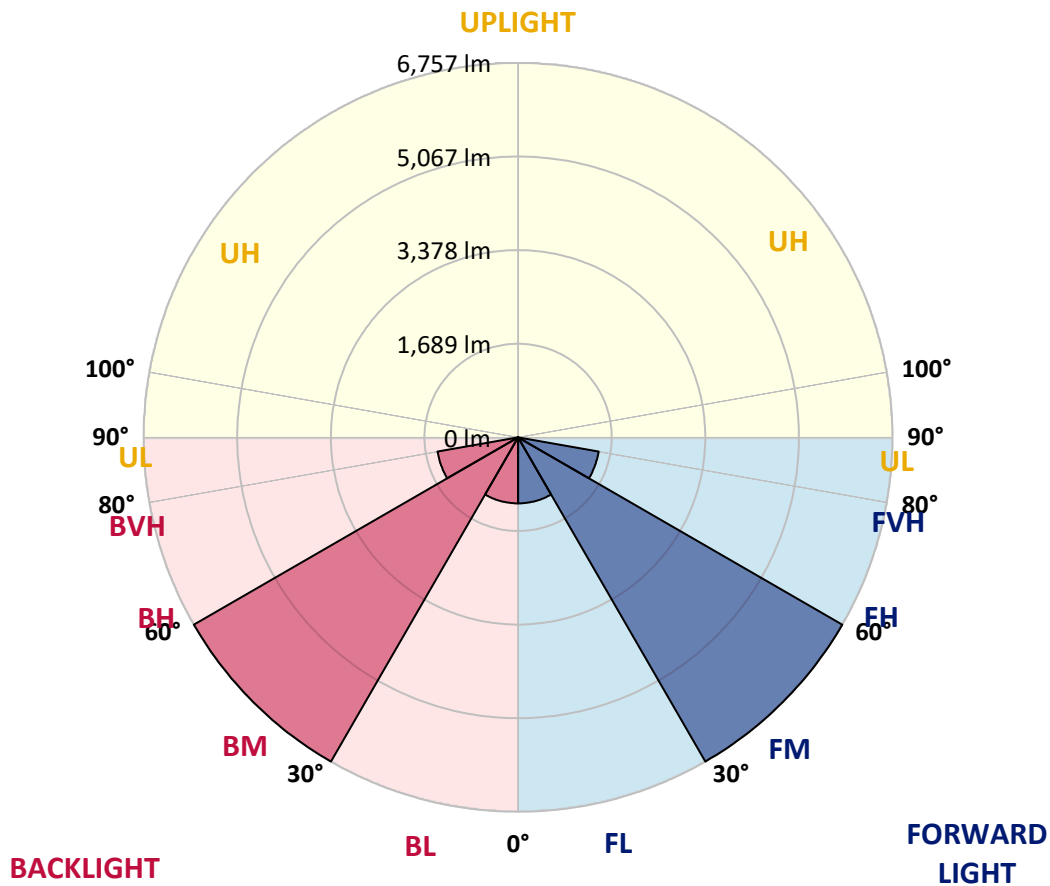
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1191.7	6.3			
FM (30°-60°)	6756.5	35.8			
FH (60°-80°)	1477.1	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1191.7	6.3	B3/2500		
BM (30°-60°)	6756.5	35.8	B4/8500		
BH (60°-80°)	1477.1	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4	2673.4
2.5°	2647.7	2652.8	2658.0	2660.5	2663.1	2670.8	2673.4	2665.7	2665.7	2650.3	2668.2
5°	2634.8	2640.0	2645.1	2642.5	2642.5	2642.5	2640.0	2629.7	2627.1	2611.7	2629.7
7.5°	2611.7	2616.9	2616.9	2609.2	2604.0	2604.0	2601.5	2588.6	2586.1	2570.6	2588.6
10°	2593.8	2596.3	2593.8	2578.3	2568.1	2568.1	2565.5	2560.4	2562.9	2552.7	2568.1
12.5°	2604.0	2606.6	2596.3	2575.8	2562.9	2560.4	2552.7	2545.0	2552.7	2550.1	2565.5
15°	2637.4	2640.0	2622.0	2596.3	2586.1	2586.1	2565.5	2545.0	2555.2	2557.8	2575.8
17.5°	2678.5	2678.5	2655.4	2632.3	2634.8	2634.8	2601.5	2565.5	2568.1	2578.3	2596.3
20°	2727.3	2727.3	2704.2	2699.0	2717.0	2719.6	2678.5	2622.0	2609.2	2616.9	2637.4
22.5°	2814.6	2814.6	2796.6	2809.5	2850.6	2863.4	2801.8	2722.2	2691.3	2696.5	2717.0
25°	2950.7	2950.7	2945.6	2976.4	3035.5	3063.7	2981.5	2876.2	2824.9	2817.2	2840.3
27.5°	3179.3	3181.8	3174.1	3220.4	3294.8	3328.2	3215.2	3076.6	3014.9	3002.1	3025.2
30°	3474.6	3474.6	3477.2	3541.4	3639.0	3682.6	3533.7	3371.9	3300.0	3258.9	3289.7
32.5°	3803.3	3808.5	3834.1	3942.0	4114.1	4203.9	3985.7	3759.7	3644.1	3600.4	3633.8
35°	4345.2	4296.4	4265.6	4345.2	4594.3	4712.4	4432.5	4168.0	4080.7	4075.5	4160.3
37.5°	4881.9	4853.7	4789.5	4871.6	5095.1	5149.0	4840.8	4620.0	4558.3	4591.7	4676.5
40°	5308.2	5256.8	5172.1	5249.1	5541.9	5595.8	5215.8	4997.5	4974.4	5048.8	5164.4
42.5°	5644.6	5572.7	5459.7	5477.7	5714.0	5752.5	5416.1	5251.7	5267.1	5359.6	5490.5
45°	5796.1	5739.6	5639.5	5631.8	5780.7	5783.3	5518.8	5434.0	5475.1	5547.0	5649.8
47.5°	5860.3	5834.7	5778.2	5765.3	5850.1	5829.5	5665.2	5629.2	5667.7	5688.3	5747.4
50°	6019.6	6019.6	6027.3	6037.5	6124.9	6104.3	5988.7	5947.7	5898.9	5827.0	5844.9
52.5°	6466.4	6484.4	6558.9	6641.0	6800.3	6867.0	6679.6	6440.7	6207.0	6050.4	6050.4
55°	7272.8	7290.8	7378.1	7516.8	7809.5	7968.7	7532.2	7005.7	6684.7	6471.5	6499.8
57.5°	7717.1	7737.6	7917.4	8292.3	8859.9	9129.5	8192.2	7411.5	6962.0	6718.1	6738.6
58°	7688.8	7701.7	7904.5	8343.7	8975.4	9265.6	8238.4	7398.6	6926.1	6677.0	6702.7
60°	6831.1	6813.1	7136.7	7763.3	8654.4	9055.0	7778.7	6754.0	6204.5	5950.2	5963.1
62.5°	4465.9	4476.2	4756.1	5410.9	6104.3	6481.8	5434.0	4671.3	4229.6	4075.5	4037.0
65°	1864.4	1831.0	2003.1	2367.8	2783.8	2994.4	2573.2	2177.7	1905.5	1802.8	1831.0
67.5°	480.2	467.4	477.7	598.4	731.9	865.4	726.8	554.7	482.8	487.9	487.9
70°	272.2	256.8	208.0	192.6	187.5	187.5	187.5	187.5	215.7	254.2	261.9
72.5°	205.4	192.6	151.5	131.0	115.6	107.9	113.0	131.0	156.7	190.0	195.2
75°	102.7	102.7	92.5	87.3	77.0	71.9	74.5	82.2	95.0	107.9	105.3
77.5°	20.5	23.1	25.7	30.8	25.7	25.7	25.7	30.8	30.8	33.4	30.8
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	0.0	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)