

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: P642639

Luminaire Tested: GWS-SA6D-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642639
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18593 lumens
Efficiency: N/A
Efficacy: 75.7 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

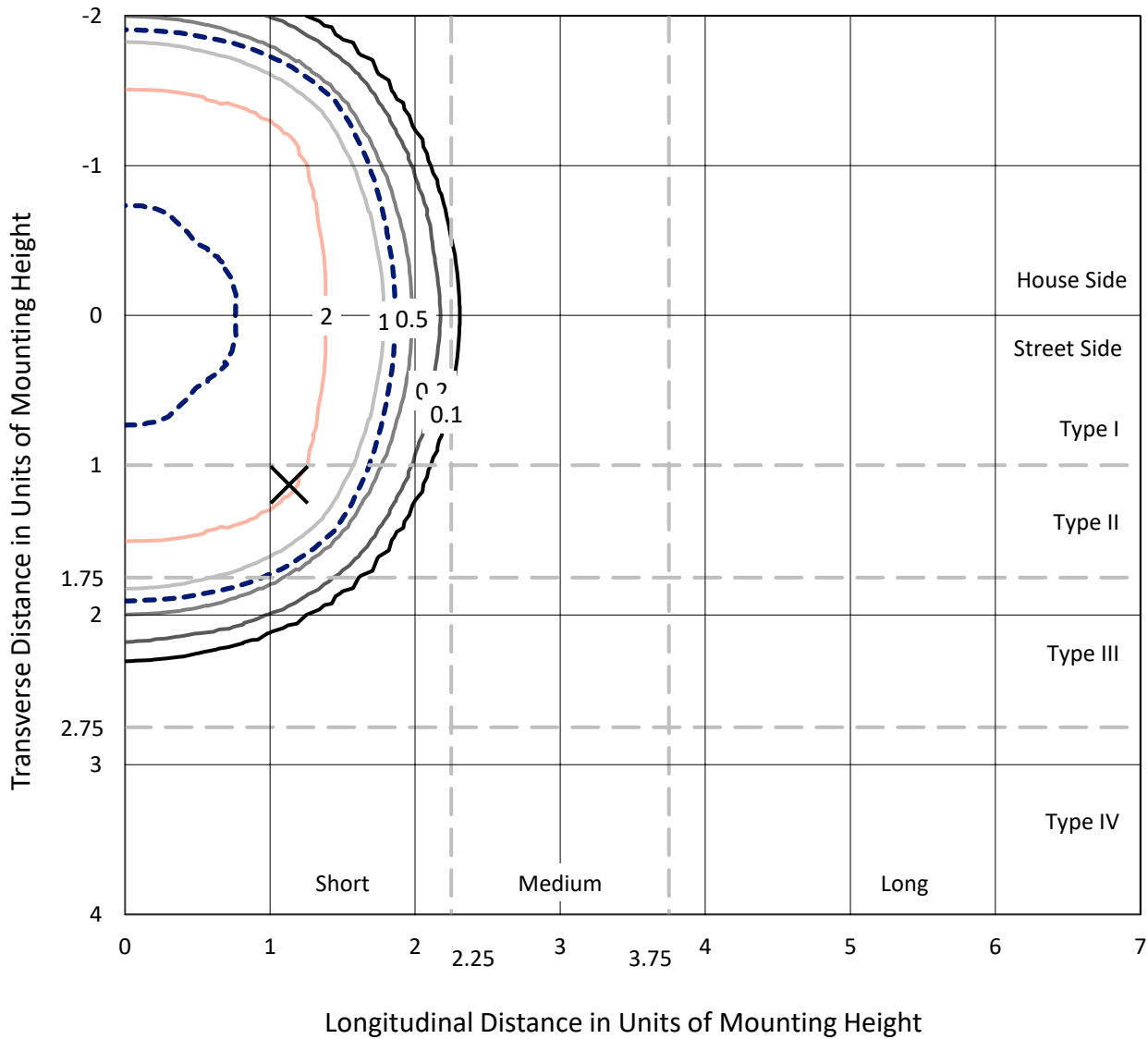


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Iso-Footcandle Lines of Horizontal Illumination

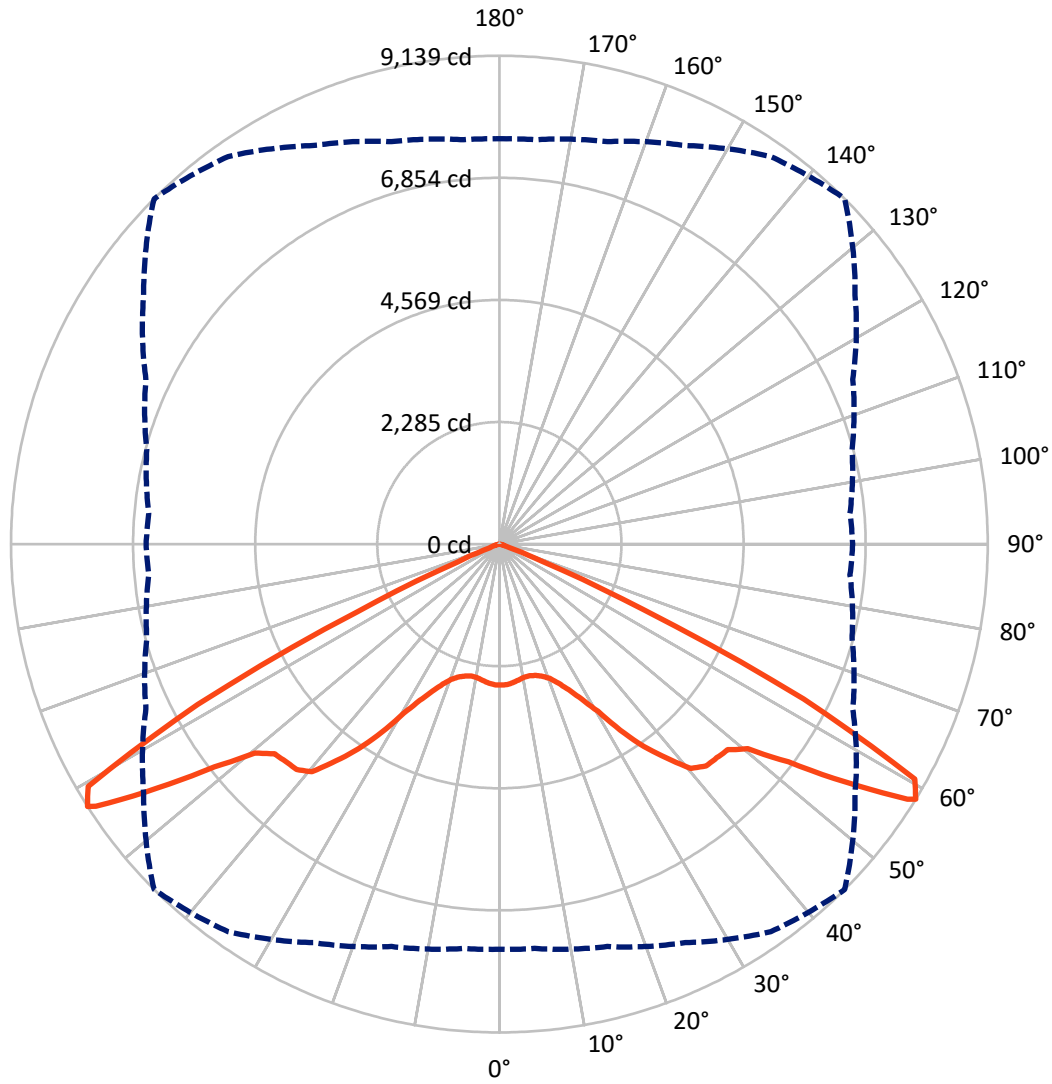
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	9296.5	0.0	9296.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9296.5	0.0	9296.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18593.0	0.0	18593.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.0	1.3
10°-20°	727.9	3.9
20°-30°	1376.7	7.4
30°-40°	2715.2	14.6
40°-50°	4296.8	23.1
50°-60°	6316.0	34.0
60°-70°	2819.2	15.2
70°-80°	94.4	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°	18593.0	100.0
0°-180°	18593.0	100.0

Coefficient of Utilization



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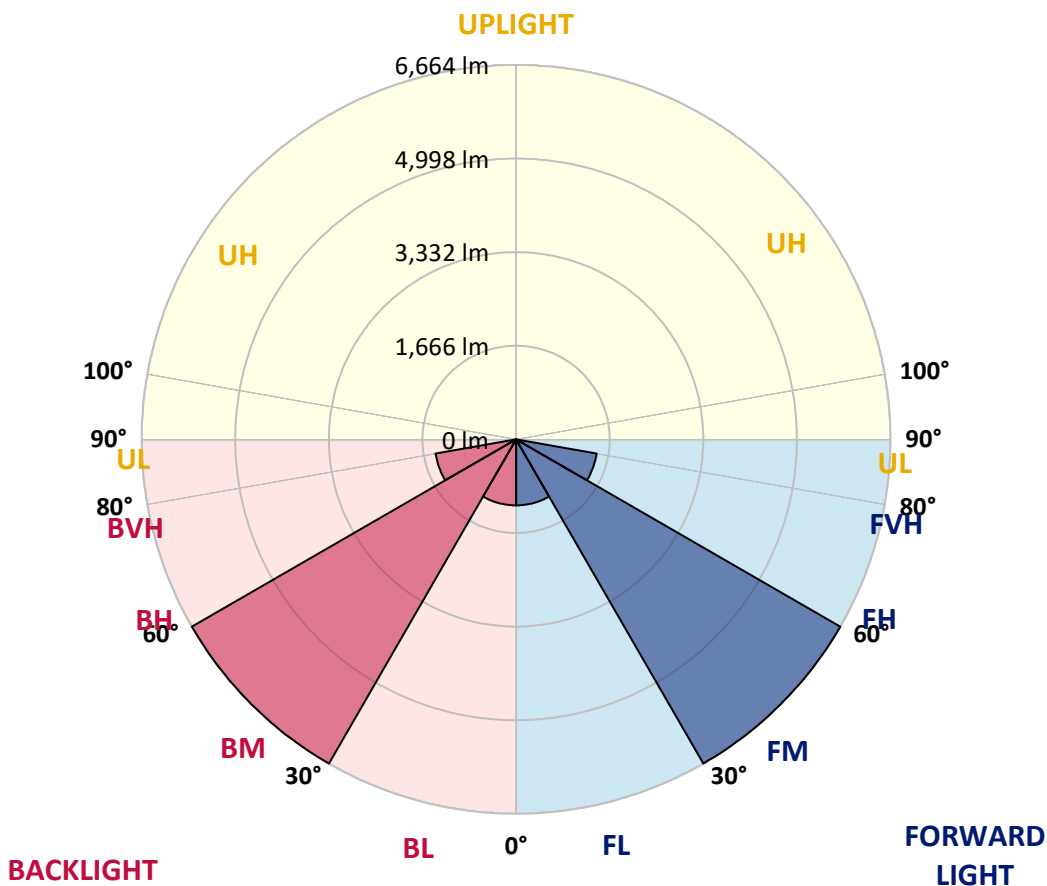
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1175.3	6.3			
FM (30°-60°)	6664.0	35.8			
FH (60°-80°)	1456.8	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1175.3	6.3	B3/2500		
BM (30°-60°)	6664.0	35.8	B4/8500		
BH (60°-80°)	1456.8	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°	2636.7	2636.7	2636.7	2636.7	2636.7	2636.7	2636.7	2636.7	2636.7	2636.7	2636.7
2.5°	2611.4	2616.5	2621.5	2624.1	2626.6	2634.2	2636.7	2629.1	2629.1	2613.9	2631.7
5°	2598.7	2603.8	2608.9	2606.3	2606.3	2606.3	2603.8	2593.7	2591.1	2575.9	2593.7
7.5°	2575.9	2581.0	2581.0	2573.4	2568.3	2568.3	2565.8	2553.1	2550.6	2535.4	2553.1
10°	2558.2	2560.7	2558.2	2543.0	2532.9	2532.9	2530.4	2525.3	2527.8	2517.7	2532.9
12.5°	2568.3	2570.9	2560.7	2540.5	2527.8	2525.3	2517.7	2510.1	2517.7	2515.2	2530.4
15°	2601.3	2603.8	2586.1	2560.7	2550.6	2550.6	2530.4	2510.1	2520.2	2522.8	2540.5
17.5°	2641.8	2641.8	2619.0	2596.2	2598.7	2598.7	2565.8	2530.4	2532.9	2543.0	2560.7
20°	2689.9	2689.9	2667.1	2662.1	2679.8	2682.3	2641.8	2586.1	2573.4	2581.0	2601.3
22.5°	2776.0	2776.0	2758.3	2771.0	2811.5	2824.2	2763.4	2684.9	2654.5	2659.5	2679.8
25°	2910.3	2910.3	2905.2	2935.6	2993.9	3021.7	2940.7	2836.8	2786.2	2778.6	2801.4
27.5°	3135.7	3138.2	3130.6	3176.2	3249.7	3282.6	3171.2	3034.4	2973.6	2960.9	2983.7
30°	3427.0	3427.0	3429.5	3492.9	3589.1	3632.2	3485.3	3325.7	3254.8	3214.2	3244.6
32.5°	3751.2	3756.3	3781.6	3888.0	4057.7	4146.3	3931.0	3708.1	3594.2	3551.1	3584.0
35°	4285.6	4237.5	4207.1	4285.6	4531.3	4647.8	4371.8	4110.9	4024.8	4019.7	4103.3
37.5°	4815.0	4787.2	4723.8	4804.9	5025.2	5078.4	4774.5	4556.7	4495.9	4528.8	4612.4
40°	5235.5	5184.8	5101.2	5177.2	5466.0	5519.2	5144.3	4929.0	4906.2	4979.7	5093.6
42.5°	5567.3	5496.4	5384.9	5402.6	5635.7	5673.7	5341.9	5179.8	5195.0	5286.1	5415.3
45°	5716.7	5661.0	5562.2	5554.6	5701.5	5704.1	5443.2	5359.6	5400.1	5471.0	5572.4
47.5°	5780.0	5754.7	5699.0	5686.3	5769.9	5749.7	5587.5	5552.1	5590.1	5610.3	5668.6
50°	5937.1	5937.1	5944.7	5954.8	6040.9	6020.7	5906.7	5866.2	5818.0	5747.1	5764.9
52.5°	6377.8	6395.5	6469.0	6550.0	6707.1	6772.9	6588.0	6352.5	6122.0	5967.5	5967.5
55°	7173.1	7190.9	7277.0	7413.8	7702.5	7859.5	7429.0	6909.7	6593.1	6382.9	6410.7
57.5°	7611.3	7631.6	7808.9	8178.7	8738.5	9004.4	8079.9	7309.9	6866.7	6626.0	6646.3
58°	7583.5	7596.1	7796.2	8229.3	8852.4	9138.7	8125.5	7297.2	6831.2	6585.5	6610.8
60°	6737.5	6719.7	7038.9	7656.9	8535.8	8931.0	7672.1	6661.5	6119.5	5868.7	5881.4
62.5°	4404.7	4414.8	4690.9	5336.8	6020.7	6393.0	5359.6	4607.3	4171.7	4019.7	3981.7
65°	1838.9	1805.9	1975.7	2335.3	2745.6	2953.3	2538.0	2147.9	1879.4	1778.1	1805.9
67.5°	473.6	461.0	471.1	590.2	721.9	853.6	716.8	547.1	476.2	481.2	481.2
70°	268.5	253.3	205.2	190.0	184.9	184.9	184.9	184.9	212.8	250.8	258.4
72.5°	202.6	190.0	149.4	129.2	114.0	106.4	111.4	129.2	154.5	187.4	192.5
75°	101.3	101.3	91.2	86.1	76.0	70.9	73.5	81.1	93.7	106.4	103.8
77.5°	20.3	22.8	25.3	30.4	25.3	25.3	25.3	30.4	30.4	32.9	30.4
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	0.0	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
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)