

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: P642804

Luminaire Tested: GWS-SA6D-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642804
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19019.1 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

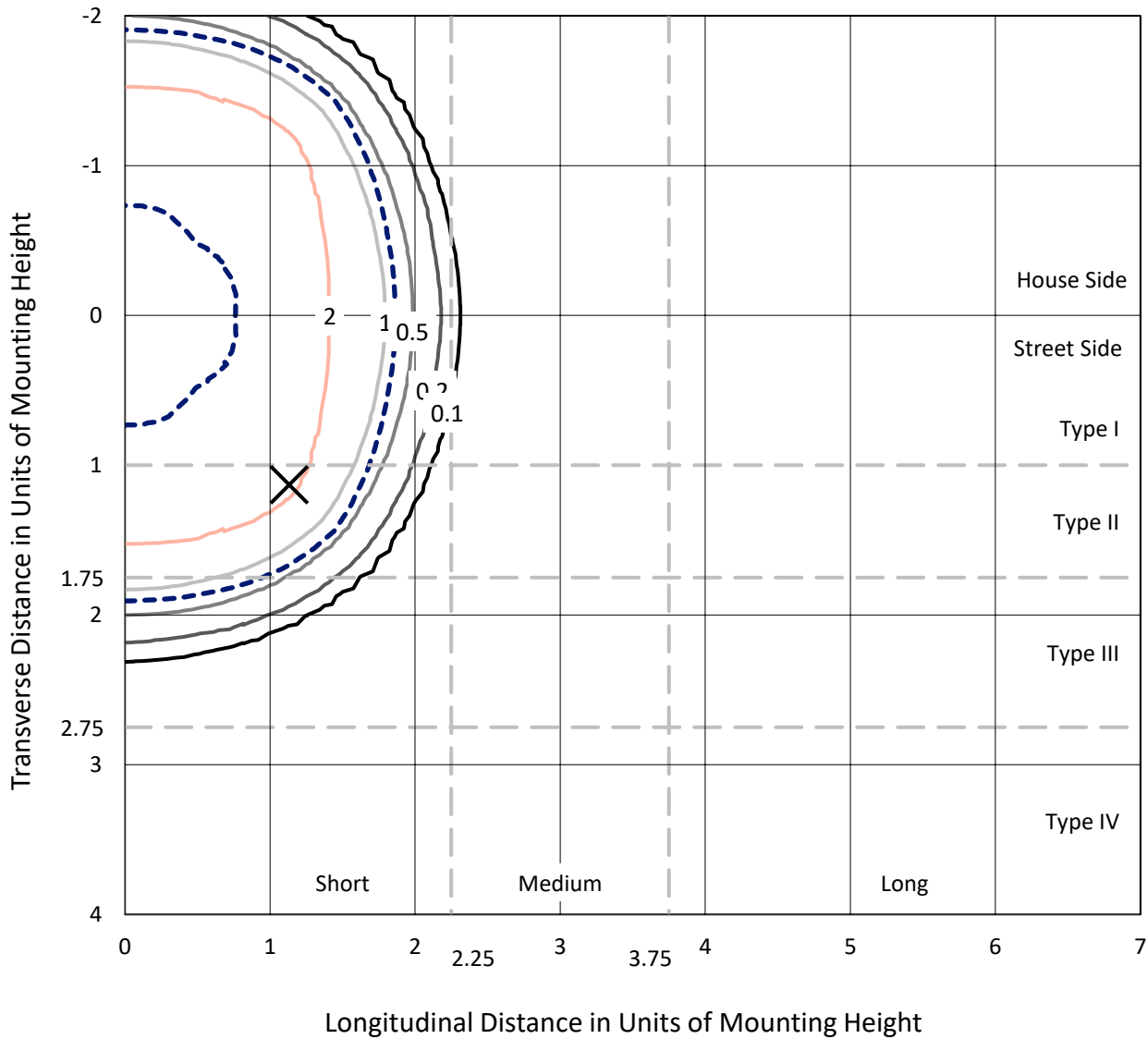
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

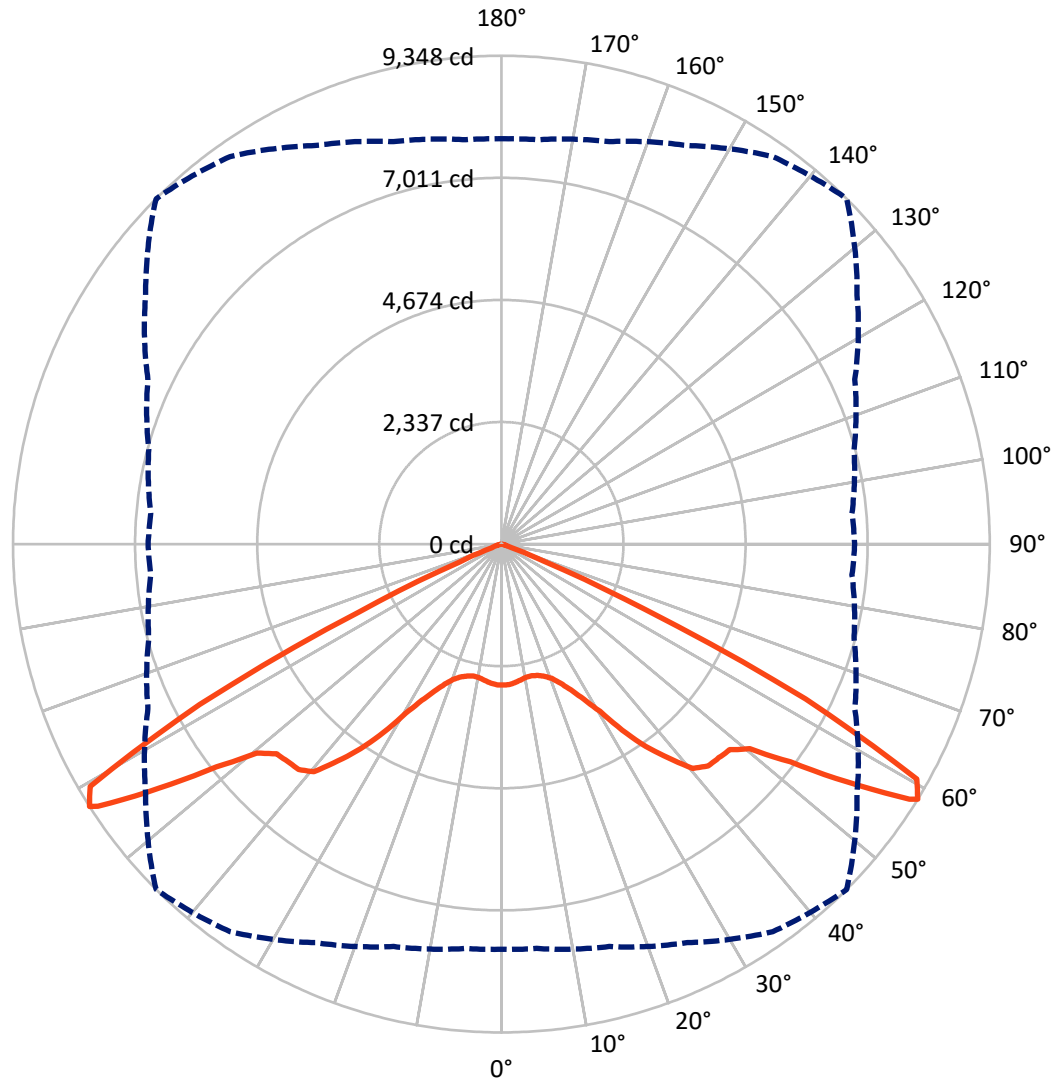
✕ Max cd
 - - - 1/2 Max cd



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	9509.5	0.0	9509.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9509.5	0.0	9509.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19019.1	0.0	19019.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	1.3
10°-20°	744.6	3.9
20°-30°	1408.3	7.4
30°-40°	2777.4	14.6
40°-50°	4395.2	23.1
50°-60°	6460.7	34.0
60°-70°	2883.8	15.2
70°-80°	96.6	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°	19019.1	100.0
0°-180°	19019.1	100.0

Coefficient of Utilization



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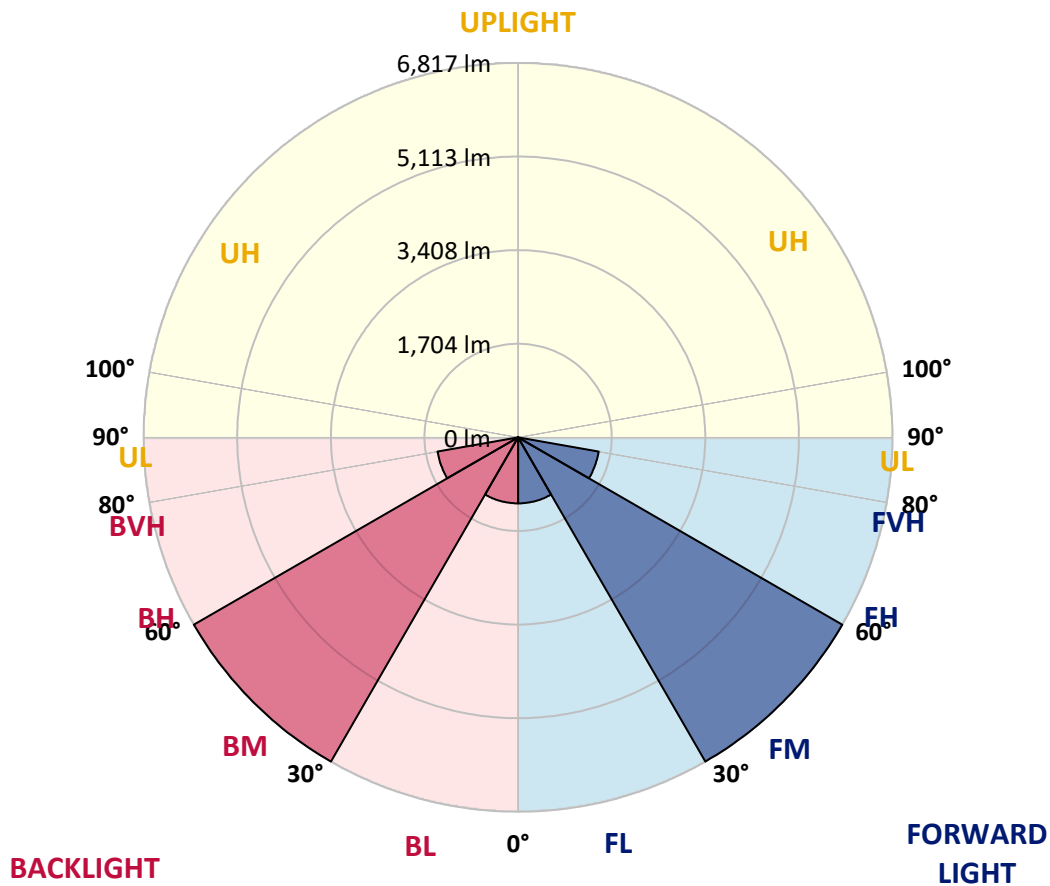
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1202.3	6.3			
FM (30°-60°)	6816.7	35.8			
FH (60°-80°)	1490.2	7.8			G1/1800
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	1202.3	6.3	B3/2500		
BM (30°-60°)	6816.7	35.8	B4/8500		
BH (60°-80°)	1490.2	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°	2697.2	2697.2	2697.2	2697.2	2697.2	2697.2	2697.2	2697.2	2697.2	2697.2	2697.2
2.5°	2671.3	2676.4	2681.6	2684.2	2686.8	2694.6	2697.2	2689.4	2689.4	2673.8	2692.0
5°	2658.3	2663.5	2668.7	2666.1	2666.1	2666.1	2663.5	2653.1	2650.5	2635.0	2653.1
7.5°	2635.0	2640.2	2640.2	2632.4	2627.2	2627.2	2624.6	2611.7	2609.1	2593.5	2611.7
10°	2616.8	2619.4	2616.8	2601.3	2590.9	2590.9	2588.3	2583.2	2585.8	2575.4	2590.9
12.5°	2627.2	2629.8	2619.4	2598.7	2585.8	2583.2	2575.4	2567.6	2575.4	2572.8	2588.3
15°	2660.9	2663.5	2645.3	2619.4	2609.1	2609.1	2588.3	2567.6	2578.0	2580.6	2598.7
17.5°	2702.3	2702.3	2679.0	2655.7	2658.3	2658.3	2624.6	2588.3	2590.9	2601.3	2619.4
20°	2751.6	2751.6	2728.3	2723.1	2741.2	2743.8	2702.3	2645.3	2632.4	2640.2	2660.9
22.5°	2839.7	2839.7	2821.5	2834.5	2875.9	2888.9	2826.7	2746.4	2715.3	2720.5	2741.2
25°	2977.0	2977.0	2971.8	3002.9	3062.5	3091.0	3008.1	2901.8	2850.0	2842.3	2865.6
27.5°	3207.6	3210.2	3202.4	3249.0	3324.2	3357.8	3243.8	3103.9	3041.8	3028.8	3052.1
30°	3505.5	3505.5	3508.1	3572.9	3671.4	3715.4	3565.1	3401.9	3329.3	3287.9	3319.0
32.5°	3837.2	3842.4	3868.3	3977.1	4150.7	4241.4	4021.1	3793.1	3676.5	3632.5	3666.2
35°	4383.9	4334.6	4303.5	4383.9	4635.2	4754.4	4472.0	4205.1	4117.0	4111.8	4197.3
37.5°	4925.4	4896.9	4832.1	4915.0	5140.4	5194.8	4883.9	4661.1	4598.9	4632.6	4718.1
40°	5355.5	5303.6	5218.1	5295.9	5591.2	5645.6	5262.2	5042.0	5018.6	5093.8	5210.4
42.5°	5694.9	5622.3	5508.3	5526.5	5764.8	5803.7	5464.3	5298.5	5314.0	5407.3	5539.4
45°	5847.7	5790.7	5689.7	5681.9	5832.2	5834.8	5567.9	5482.4	5523.9	5596.4	5700.1
47.5°	5912.5	5886.6	5829.6	5816.6	5902.1	5881.4	5715.6	5679.3	5718.2	5738.9	5798.5
50°	6073.1	6073.1	6080.9	6091.3	6179.4	6158.6	6042.1	6000.6	5951.4	5878.8	5897.0
52.5°	6524.0	6542.1	6617.2	6700.2	6860.8	6928.2	6739.0	6498.1	6262.3	6104.2	6104.2
55°	7337.5	7355.7	7443.8	7583.7	7879.0	8039.7	7599.2	7068.1	6744.2	6529.2	6557.7
57.5°	7785.8	7806.5	7987.8	8366.1	8938.7	9210.8	8265.1	7477.4	7024.0	6777.9	6798.6
58°	7757.3	7770.2	7974.9	8417.9	9055.3	9348.1	8311.7	7464.5	6987.7	6736.4	6762.3
60°	6891.9	6873.7	7200.2	7832.4	8731.4	9135.6	7847.9	6814.2	6259.7	6003.2	6016.1
62.5°	4505.6	4516.0	4798.4	5459.1	6158.6	6539.5	5482.4	4712.9	4267.3	4111.8	4072.9
65°	1881.0	1847.3	2020.9	2388.8	2808.6	3021.0	2596.1	2197.1	1922.5	1818.8	1847.3
67.5°	484.5	471.5	481.9	603.7	738.4	873.1	733.2	559.6	487.1	492.3	492.3
70°	274.6	259.1	209.9	194.3	189.1	189.1	189.1	189.1	217.6	256.5	264.3
72.5°	207.3	194.3	152.9	132.1	116.6	108.8	114.0	132.1	158.0	191.7	196.9
75°	103.6	103.6	93.3	88.1	77.7	72.5	75.1	82.9	95.9	108.8	106.2
77.5°	20.7	23.3	25.9	31.1	25.9	25.9	25.9	31.1	31.1	33.7	31.1
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)