

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: P642908

Luminaire Tested: GWS-SA6D-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-830-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17386.5 lumens
Efficiency: N/A
Efficacy: 70.8 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

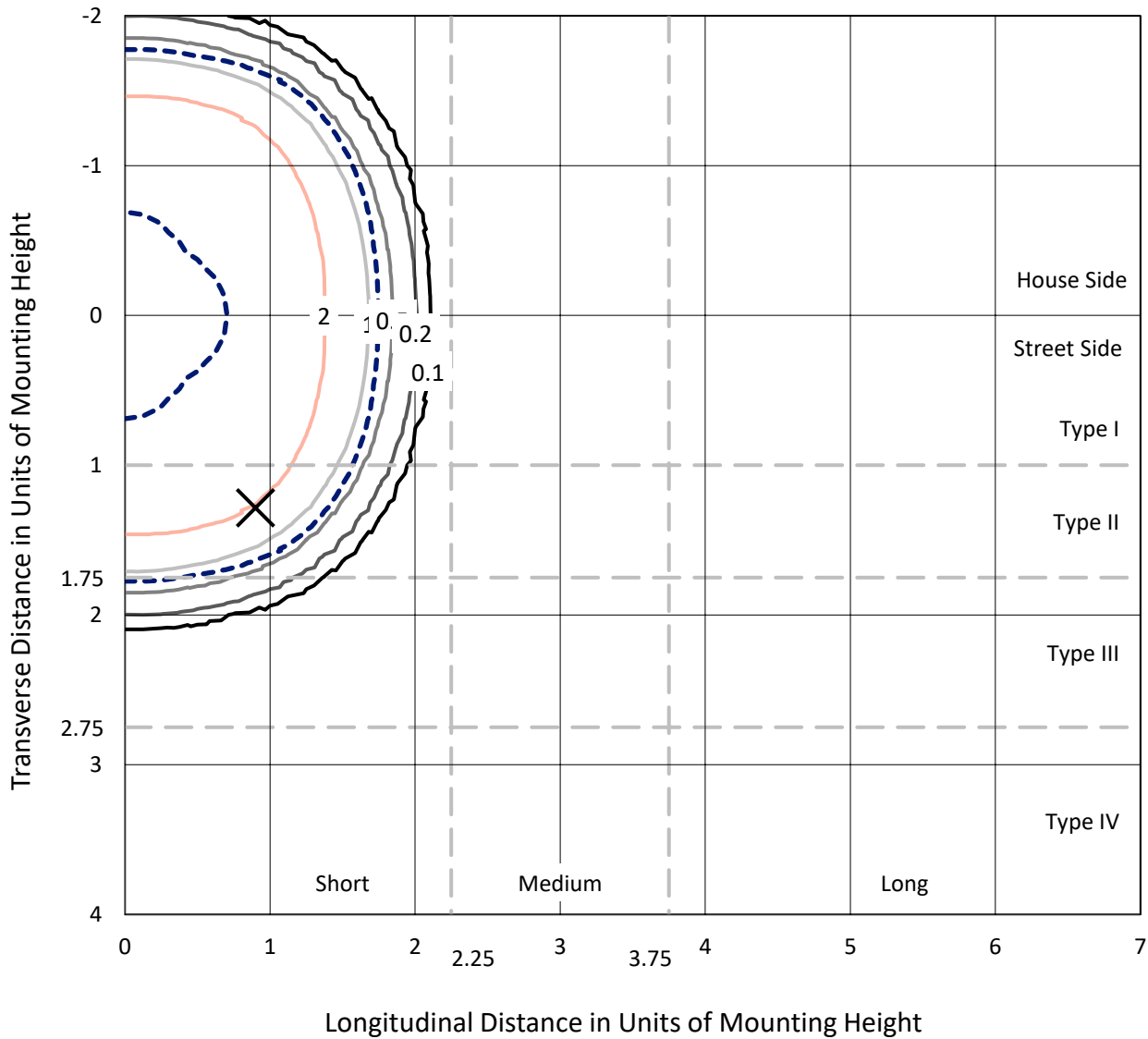


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Iso-Footcandle Lines of Horizontal Illumination

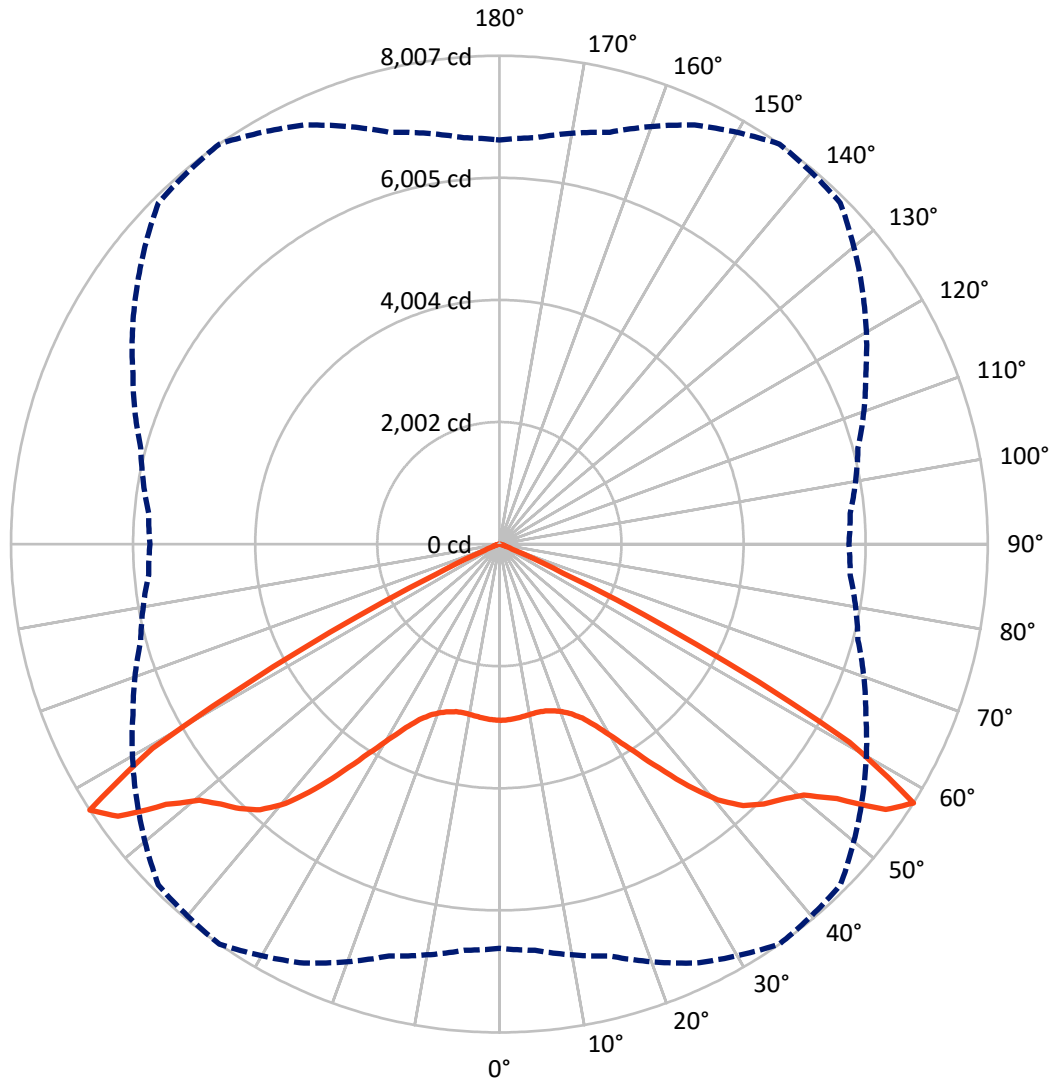
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8693.2	0.0	8693.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8693.2	0.0	8693.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	17386.5	0.0	17386.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	1.6
10°-20°	801.1	4.6
20°-30°	1448.1	8.3
30°-40°	2701.5	15.5
40°-50°	4531.8	26.1
50°-60°	5984.7	34.4
60°-70°	1589.4	9.1
70°-80°	56.5	0.3
80°-90°	1.0	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°	17386.5	100.0
0°-180°	17386.5	100.0

Coefficient of Utilization



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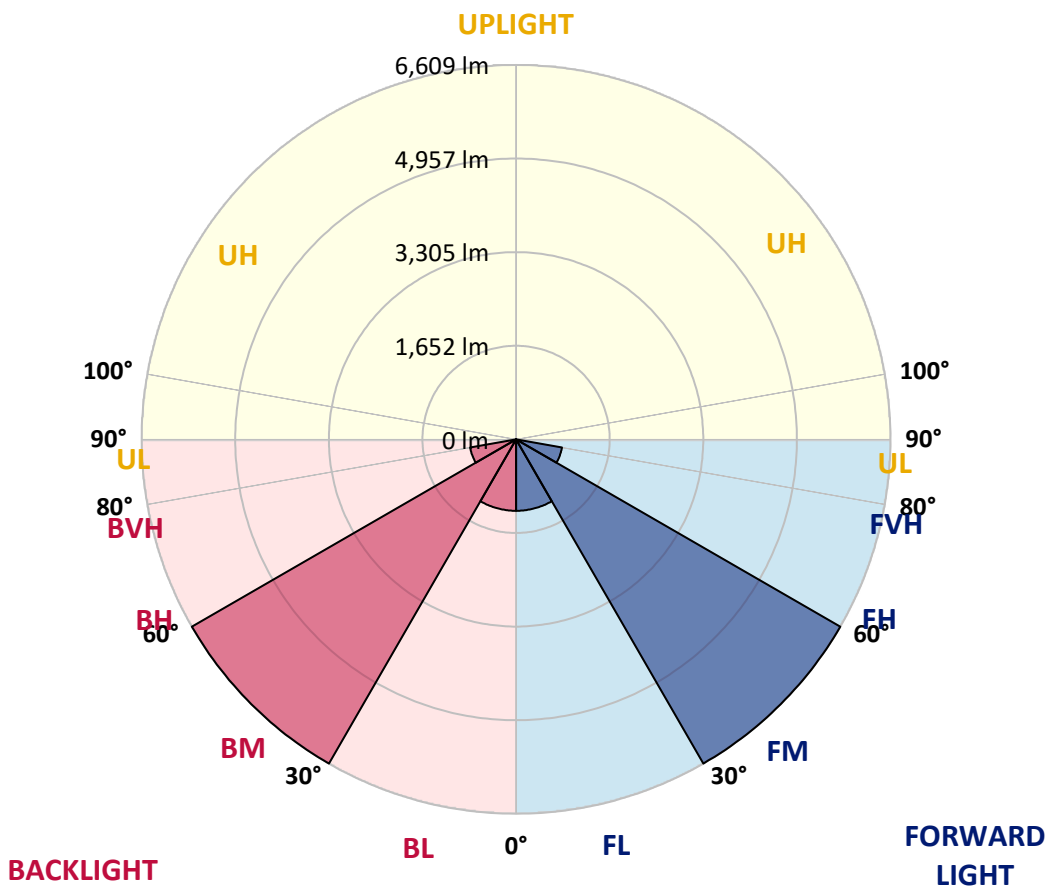
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1260.8	7.3			
FM (30°-60°)	6609.0	38.0			
FH (60°-80°)	822.9	4.7			G1/1800
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1260.8	7.3	B3/2500		
BM (30°-60°)	6609.0	38.0	B4/8500		
BH (60°-80°)	822.9	4.7	B2/1000		G1/1800
BVH (80°-90°)	0.5	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°	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7	2890.7
2.5°	2870.3	2868.2	2876.4	2882.5	2882.5	2896.8	2892.7	2888.6	2884.5	2878.4	2892.7
5°	2866.2	2864.1	2870.3	2874.3	2870.3	2882.5	2874.3	2866.2	2862.1	2853.9	2870.3
7.5°	2847.8	2849.9	2853.9	2858.0	2851.9	2862.1	2851.9	2839.7	2829.5	2821.3	2835.6
10°	2819.3	2821.3	2825.4	2833.5	2835.6	2849.9	2835.6	2813.1	2798.9	2786.6	2800.9
12.5°	2805.0	2807.0	2813.1	2823.3	2825.4	2843.7	2825.4	2792.7	2772.3	2758.1	2772.3
15°	2809.1	2813.1	2821.3	2833.5	2837.6	2856.0	2831.5	2788.7	2760.1	2741.7	2754.0
17.5°	2823.3	2827.4	2839.7	2860.1	2874.3	2892.7	2862.1	2807.0	2768.3	2741.7	2754.0
20°	2841.7	2847.8	2868.2	2900.9	2931.5	2964.1	2925.3	2849.9	2798.9	2766.2	2776.4
22.5°	2892.7	2898.8	2927.4	2970.2	3021.2	3062.0	3015.1	2919.2	2849.9	2807.0	2817.2
25°	2996.7	3002.9	3039.6	3094.7	3159.9	3213.0	3153.8	3033.5	2943.7	2894.7	2898.8
27.5°	3159.9	3166.1	3208.9	3286.4	3374.1	3449.6	3363.9	3223.2	3121.2	3064.1	3064.1
30°	3366.0	3374.1	3431.3	3535.3	3672.0	3771.9	3655.7	3484.3	3353.7	3276.2	3278.3
32.5°	3631.2	3623.0	3704.6	3847.4	4041.2	4173.8	4002.5	3794.4	3633.2	3525.1	3535.3
35°	3971.9	3969.8	4061.6	4255.4	4508.4	4667.5	4463.5	4194.2	4000.4	3890.3	3892.3
37.5°	4410.5	4408.4	4514.5	4724.6	5028.6	5161.2	4932.7	4659.3	4451.3	4345.2	4357.4
40°	4924.5	4912.3	5006.1	5208.1	5512.0	5597.7	5348.8	5128.5	4928.6	4861.3	4893.9
42.5°	5414.1	5387.6	5442.7	5626.3	5860.9	5873.1	5685.4	5534.5	5397.8	5344.8	5365.2
45°	5807.8	5787.4	5838.4	5944.5	6079.2	6018.0	5928.2	5881.3	5771.1	5714.0	5732.4
47.5°	6101.6	6101.6	6162.8	6228.1	6248.5	6136.3	6150.6	6150.6	6040.4	5950.6	5928.2
50°	6354.6	6372.9	6464.7	6532.0	6464.7	6321.9	6403.5	6387.2	6162.8	5983.3	5936.4
52.5°	6758.5	6776.8	6917.6	7009.4	6933.9	6793.2	6803.4	6599.4	6268.9	6056.7	5983.3
55°	7186.9	7231.8	7435.8	7680.6	7682.6	7537.8	7268.5	6907.4	6505.5	6275.0	6199.5
57.5°	6625.9	6687.1	6991.0	7580.6	8007.0	7907.0	7264.4	6630.0	6087.3	5773.2	5730.3
60°	4559.4	4665.5	4969.4	5775.2	6597.3	6636.1	5877.2	5165.2	4543.1	4155.5	4163.6
62.5°	1925.7	2033.9	2205.2	2868.2	3623.0	3669.9	3302.7	2792.7	2284.8	2005.3	2048.1
65°	452.9	483.5	534.5	793.6	1150.6	1203.6	1109.8	865.0	638.5	540.6	550.8
67.5°	197.9	202.0	191.8	204.0	253.0	259.1	250.9	220.3	208.1	212.2	212.2
70°	138.7	140.8	132.6	126.5	120.4	112.2	116.3	128.5	138.7	146.9	144.8
72.5°	85.7	87.7	89.8	89.8	83.6	75.5	79.6	87.7	89.8	91.8	89.8
75°	42.8	44.9	49.0	51.0	49.0	46.9	46.9	49.0	49.0	46.9	46.9
77.5°	8.2	10.2	14.3	16.3	16.3	16.3	16.3	16.3	18.4	16.3	16.3
80°	2.0	2.0	4.1	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1
82.5°	2.0	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
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)