

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: P643134

Luminaire Tested: GWS-SA6E-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643134
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-SAGE-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: 23234.7 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 323.8
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

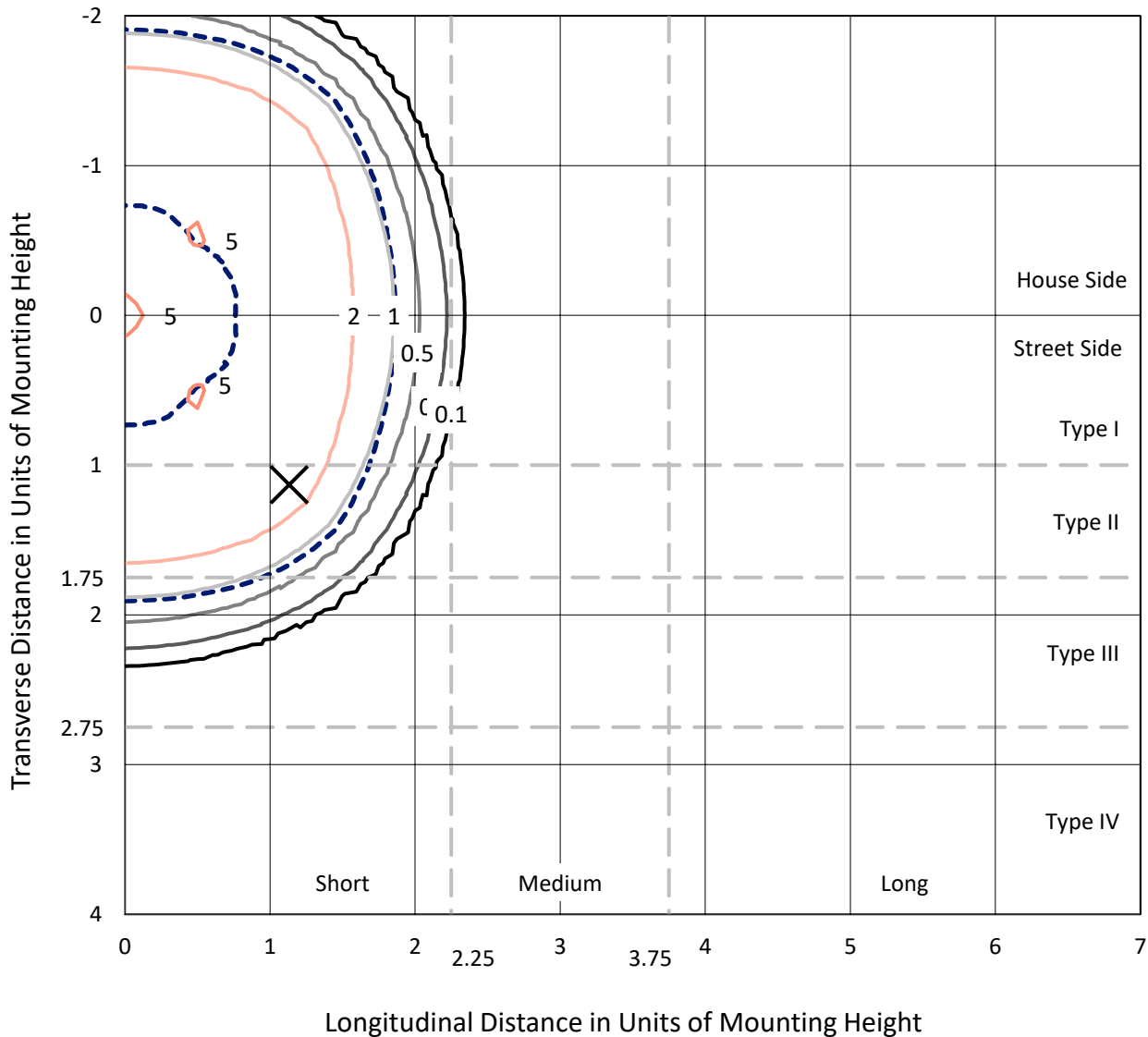


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

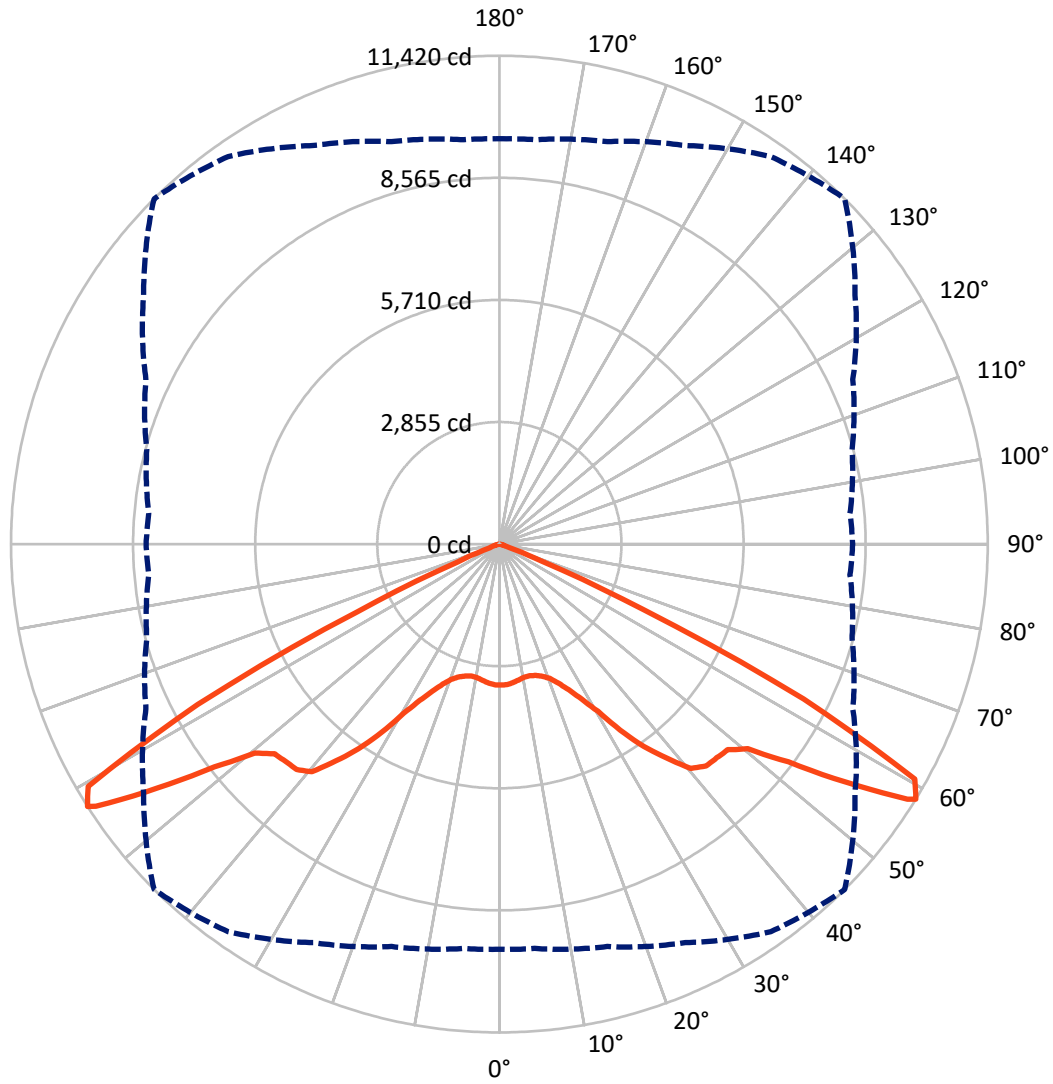


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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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	11617.4	0.0	11617.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11617.4	0.0	11617.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	23234.7	0.0	23234.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.4	1.3
10°-20°	909.6	3.9
20°-30°	1720.4	7.4
30°-40°	3393.0	14.6
40°-50°	5369.4	23.1
50°-60°	7892.7	34.0
60°-70°	3523.0	15.2
70°-80°	118.0	0.5
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°	23234.7	100.0
0°-180°	23234.7	100.0

Coefficient of Utilization



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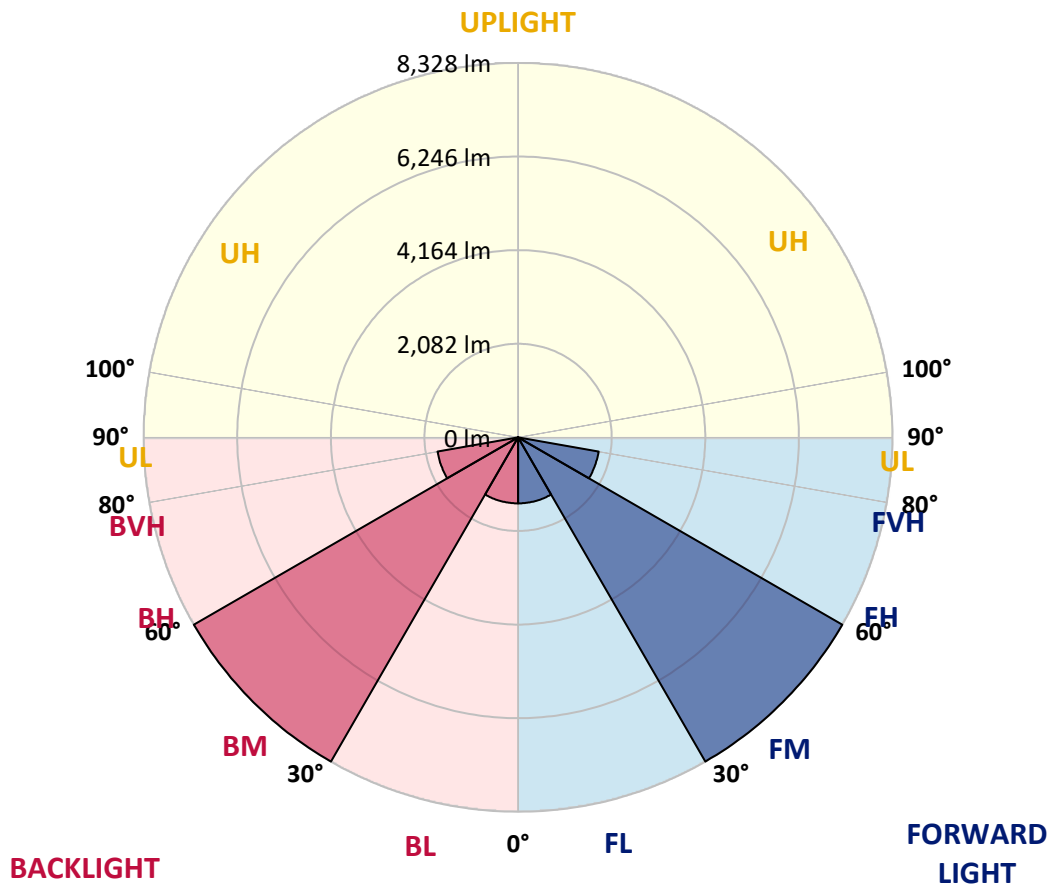
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1468.7	6.3			
FM (30°-60°)	8327.6	35.8			
FH (60°-80°)	1820.5	7.8			G2/5000
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	1468.7	6.3	B3/2500		
BM (30°-60°)	8327.6	35.8	B4/8500		
BH (60°-80°)	1820.5	7.8	B3/2500		G2/5000
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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3295.0	3295.0	3295.0	3295.0	3295.0	3295.0	3295.0	3295.0	3295.0	3295.0	3295.0
2.5°	3263.3	3269.7	3276.0	3279.2	3282.3	3291.8	3295.0	3285.5	3285.5	3266.5	3288.7
5°	3247.5	3253.8	3260.2	3257.0	3257.0	3257.0	3253.8	3241.2	3238.0	3219.0	3241.2
7.5°	3219.0	3225.4	3225.4	3215.9	3209.5	3209.5	3206.4	3190.5	3187.4	3168.4	3190.5
10°	3196.9	3200.0	3196.9	3177.9	3165.2	3165.2	3162.1	3155.7	3158.9	3146.2	3165.2
12.5°	3209.5	3212.7	3200.0	3174.7	3158.9	3155.7	3146.2	3136.7	3146.2	3143.1	3162.1
15°	3250.7	3253.8	3231.7	3200.0	3187.4	3187.4	3162.1	3136.7	3149.4	3152.6	3174.7
17.5°	3301.3	3301.3	3272.8	3244.3	3247.5	3247.5	3206.4	3162.1	3165.2	3177.9	3200.0
20°	3361.5	3361.5	3333.0	3326.6	3348.8	3352.0	3301.3	3231.7	3215.9	3225.4	3250.7
22.5°	3469.1	3469.1	3446.9	3462.7	3513.4	3529.2	3453.3	3355.1	3317.1	3323.5	3348.8
25°	3636.8	3636.8	3630.5	3668.5	3741.3	3776.1	3674.8	3545.0	3481.7	3472.2	3500.7
27.5°	3918.5	3921.7	3912.2	3969.2	4061.0	4102.1	3962.9	3791.9	3716.0	3700.1	3728.6
30°	4282.5	4282.5	4285.7	4364.8	4485.1	4538.9	4355.3	4155.9	4067.3	4016.7	4054.6
32.5°	4687.7	4694.0	4725.7	4858.6	5070.7	5181.5	4912.4	4633.9	4491.4	4437.6	4478.8
35°	5355.5	5295.4	5257.4	5355.5	5662.6	5808.2	5463.2	5137.1	5029.5	5023.2	5127.6
37.5°	6017.1	5982.3	5903.1	6004.4	6279.8	6346.3	5966.4	5694.2	5618.3	5659.4	5763.9
40°	6542.5	6479.2	6374.7	6469.7	6830.5	6897.0	6428.6	6159.5	6131.0	6222.8	6365.2
42.5°	6957.1	6868.5	6729.2	6751.4	7042.6	7090.1	6675.4	6472.9	6491.9	6605.8	6767.2
45°	7143.9	7074.3	6950.8	6941.3	7124.9	7128.1	6802.0	6697.6	6748.2	6836.9	6963.5
47.5°	7223.0	7191.4	7121.7	7105.9	7210.4	7185.0	6982.5	6938.2	6985.6	7011.0	7083.8
50°	7419.3	7419.3	7428.8	7441.4	7549.0	7523.7	7381.3	7330.6	7270.5	7181.9	7204.0
52.5°	7970.0	7992.2	8084.0	8185.2	8381.5	8463.8	8232.7	7938.4	7650.3	7457.2	7457.2
55°	8963.9	8986.0	9093.7	9264.6	9625.4	9821.7	9283.6	8634.7	8239.1	7976.3	8011.2
57.5°	9511.5	9536.8	9758.4	10220.5	10920.0	11252.3	10097.0	9134.8	8580.9	8280.2	8305.5
58°	9476.7	9492.5	9742.5	10283.8	11062.4	11420.1	10154.0	9119.0	8536.6	8229.6	8261.2
60°	8419.5	8397.3	8796.1	9568.4	10666.8	11160.6	9587.4	8324.5	7647.2	7333.8	7349.6
62.5°	5504.3	5517.0	5862.0	6669.1	7523.7	7989.0	6697.6	5757.5	5213.1	5023.2	4975.7
65°	2297.9	2256.8	2468.9	2918.3	3431.1	3690.6	3171.5	2684.1	2348.6	2222.0	2256.8
67.5°	591.9	576.1	588.7	737.5	902.1	1066.7	895.8	683.7	595.1	601.4	601.4
70°	335.5	316.5	256.4	237.4	231.1	231.1	231.1	231.1	265.9	313.4	322.9
72.5°	253.2	237.4	186.7	161.4	142.4	132.9	139.3	161.4	193.1	234.2	240.6
75°	126.6	126.6	113.9	107.6	95.0	88.6	91.8	101.3	117.1	132.9	129.8
77.5°	25.3	28.5	31.7	38.0	31.7	31.7	31.7	38.0	38.0	41.1	38.0
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	0.0	3.2	3.2	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
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)