

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: P637189

Luminaire Tested: GWS-SA4C-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16763.6 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

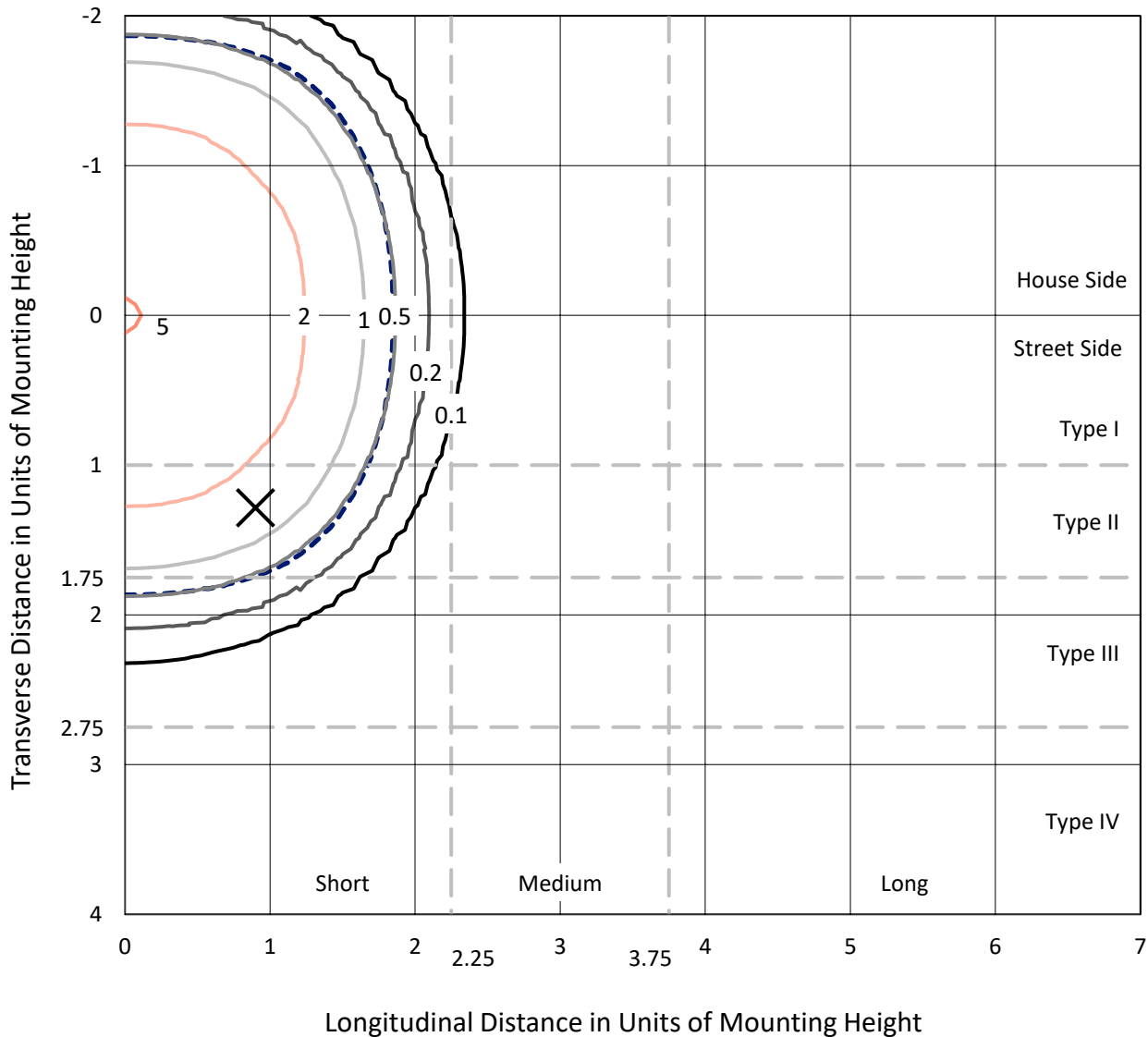
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

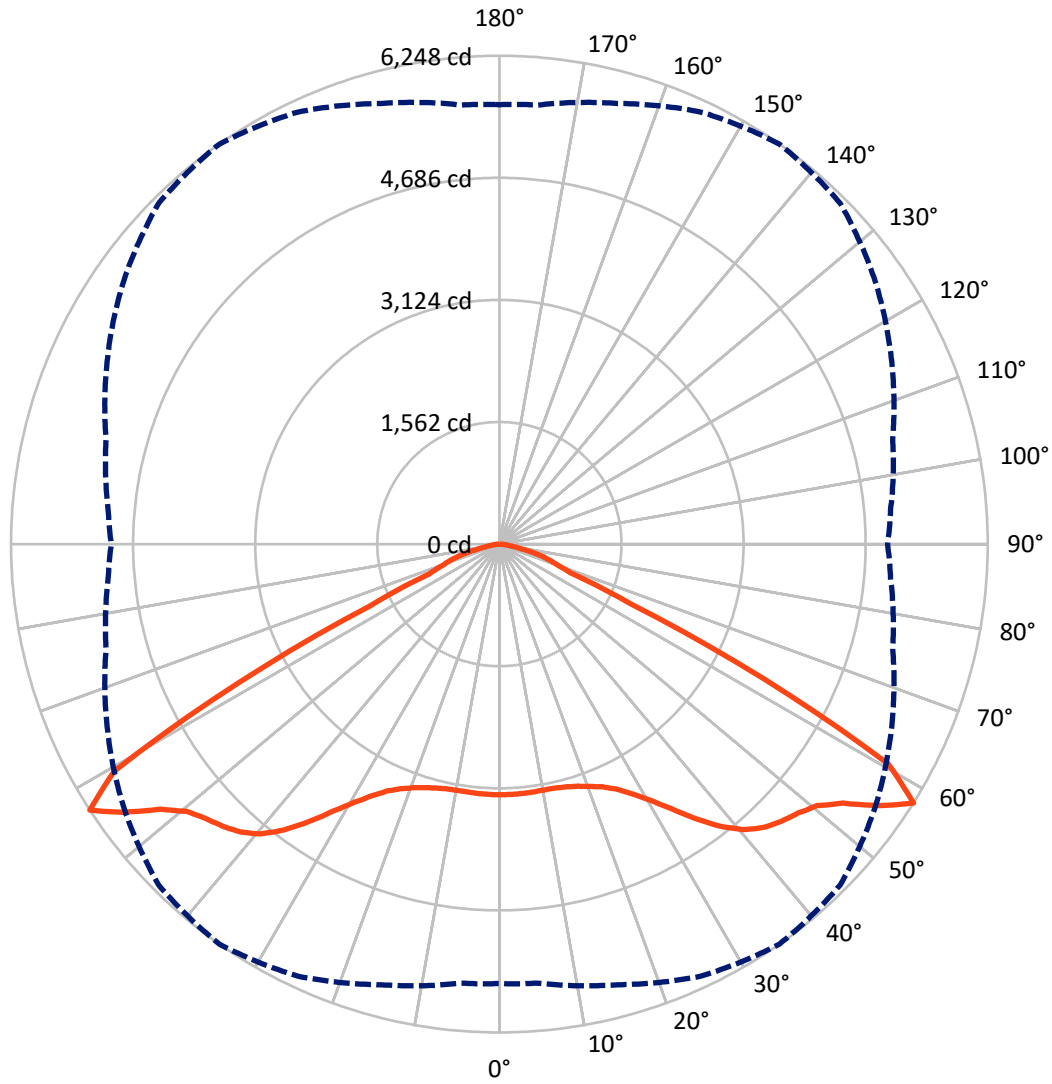
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	8381.8	0.0	8381.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8381.8	0.0	8381.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16763.6	0.0	16763.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.1	1.8
10°-20°	910.4	5.4
20°-30°	1588.5	9.5
30°-40°	2604.7	15.5
40°-50°	3836.2	22.9
50°-60°	4895.6	29.2
60°-70°	2063.2	12.3
70°-80°	492.9	2.9
80°-90°	67.1	0.4
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°	16763.6	100.0
0°-180°	16763.6	100.0

Coefficient of Utilization



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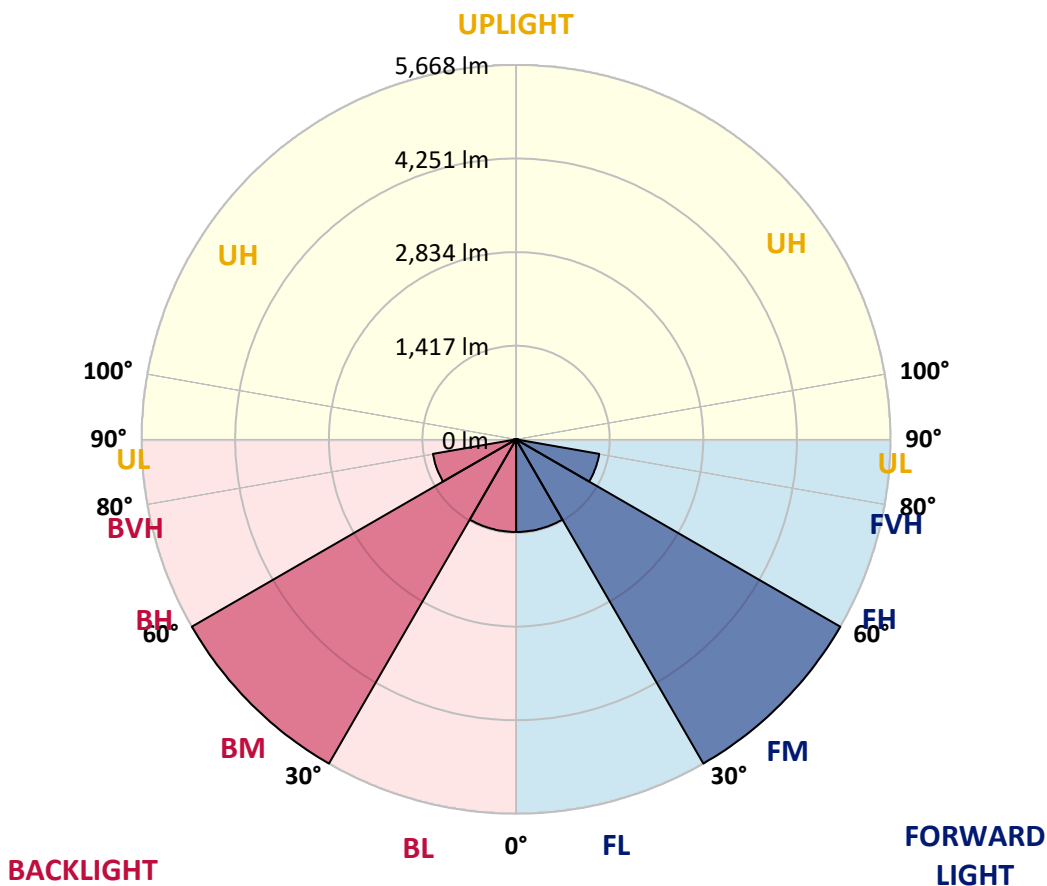
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1402.0	8.4			
FM (30°-60°)	5668.2	33.8			
FH (60°-80°)	1278.0	7.6			G1/1800
FVH (80°-90°)	33.5	0.2			G1/100
BL (0°-30°)	1402.0	8.4	B3/2500		
BM (30°-60°)	5668.2	33.8	B4/8500		
BH (60°-80°)	1278.0	7.6	B3/2500		G1/1800
BVH (80°-90°)	33.5	0.2			G1/100
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°	3207.5	3207.5	3207.5	3207.5	3207.5	3207.5	3207.5	3207.5	3207.5	3207.5	3207.5
2.5°	3188.3	3188.3	3195.2	3202.0	3204.8	3217.1	3215.8	3211.6	3208.9	3200.7	3211.6
5°	3195.2	3195.2	3200.7	3204.8	3203.4	3213.0	3208.9	3202.0	3197.9	3189.7	3202.0
7.5°	3193.8	3193.8	3197.9	3202.0	3199.3	3207.5	3200.7	3191.1	3184.2	3176.0	3186.9
10°	3176.0	3178.7	3182.8	3192.4	3196.5	3208.9	3199.3	3184.2	3173.2	3163.6	3174.6
12.5°	3173.2	3176.0	3181.4	3193.8	3200.7	3218.5	3206.2	3181.4	3165.0	3152.6	3163.6
15°	3185.6	3188.3	3196.5	3211.6	3222.6	3241.8	3224.0	3189.7	3166.3	3149.9	3159.5
17.5°	3200.7	3204.8	3217.1	3239.1	3256.9	3277.5	3255.6	3214.4	3181.4	3159.5	3167.7
20°	3217.1	3222.6	3241.8	3274.8	3307.7	3333.8	3306.3	3251.4	3211.6	3182.8	3191.1
22.5°	3246.0	3252.8	3277.5	3324.2	3373.6	3412.0	3377.7	3303.6	3251.4	3214.4	3221.2
25°	3305.0	3313.2	3344.8	3401.0	3471.0	3517.7	3469.7	3385.9	3313.2	3267.9	3274.8
27.5°	3409.3	3413.4	3454.6	3528.7	3615.2	3668.7	3611.0	3512.2	3431.2	3379.1	3384.6
30°	3546.5	3558.9	3600.1	3697.5	3800.4	3871.8	3796.3	3679.7	3586.3	3523.2	3528.7
32.5°	3714.0	3722.2	3784.0	3885.5	4033.8	4116.1	4013.2	3874.6	3762.0	3685.2	3690.6
35°	3933.6	3940.4	3999.5	4128.5	4308.3	4385.1	4267.1	4107.9	3977.5	3904.8	3925.3
37.5°	4195.7	4208.1	4250.6	4378.3	4578.6	4654.1	4518.3	4370.0	4234.1	4166.9	4182.0
40°	4477.1	4475.7	4510.0	4622.6	4805.1	4851.8	4729.6	4611.6	4494.9	4451.0	4475.7
42.5°	4718.6	4711.8	4736.5	4829.8	4956.1	4960.2	4879.2	4813.3	4731.0	4700.8	4724.1
45°	4887.5	4890.2	4927.3	4991.8	5056.3	5022.0	4997.3	4986.3	4921.8	4880.6	4884.7
47.5°	5020.6	5031.6	5090.6	5134.5	5142.7	5085.1	5119.4	5135.9	5082.4	5019.2	5001.4
50°	5138.6	5156.5	5233.3	5280.0	5262.1	5189.4	5256.7	5281.4	5163.3	5042.6	5006.9
52.5°	5352.7	5373.3	5466.7	5527.0	5506.5	5433.7	5496.8	5409.0	5210.0	5061.8	5016.5
55°	5694.5	5704.1	5818.0	5916.8	5907.2	5818.0	5767.2	5572.3	5330.8	5177.1	5134.5
57.5°	5621.7	5638.2	5835.9	6099.4	6247.6	6166.6	5868.8	5536.6	5208.6	5023.3	4965.7
60°	4423.6	4463.4	4709.0	5172.9	5716.4	5715.1	5162.0	4645.9	4250.6	4004.9	3980.2
62.5°	2583.0	2610.5	2834.2	3303.6	3790.8	3821.0	3432.6	3078.5	2732.6	2566.6	2487.0
65°	1222.9	1221.5	1310.7	1522.1	1851.5	1877.6	1760.9	1567.4	1362.9	1306.6	1291.5
67.5°	903.1	903.1	896.2	911.3	974.5	988.2	974.5	942.9	923.7	936.0	927.8
70°	783.7	785.1	776.8	772.7	772.7	768.6	774.1	786.4	794.7	811.1	802.9
72.5°	635.5	636.8	636.8	638.2	639.6	634.1	642.3	649.2	650.6	656.1	650.6
75°	451.6	454.3	462.5	469.4	474.9	474.9	477.6	479.0	473.5	480.4	469.4
77.5°	248.4	251.2	266.3	278.6	291.0	292.3	296.5	299.2	296.5	301.9	293.7
80°	137.2	140.0	146.9	152.3	162.0	170.2	175.7	178.4	178.4	182.5	178.4
82.5°	78.2	81.0	85.1	87.8	96.1	102.9	108.4	112.5	112.5	113.9	111.2
85°	37.1	37.1	39.8	42.5	46.7	49.4	56.3	60.4	60.4	63.1	60.4
87.5°	5.5	6.9	8.2	8.2	11.0	13.7	16.5	17.8	20.6	22.0	22.0
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)