

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: P638014

Luminaire Tested: GWS-SA4E-722-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P638014
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-SA4E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19737.3 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

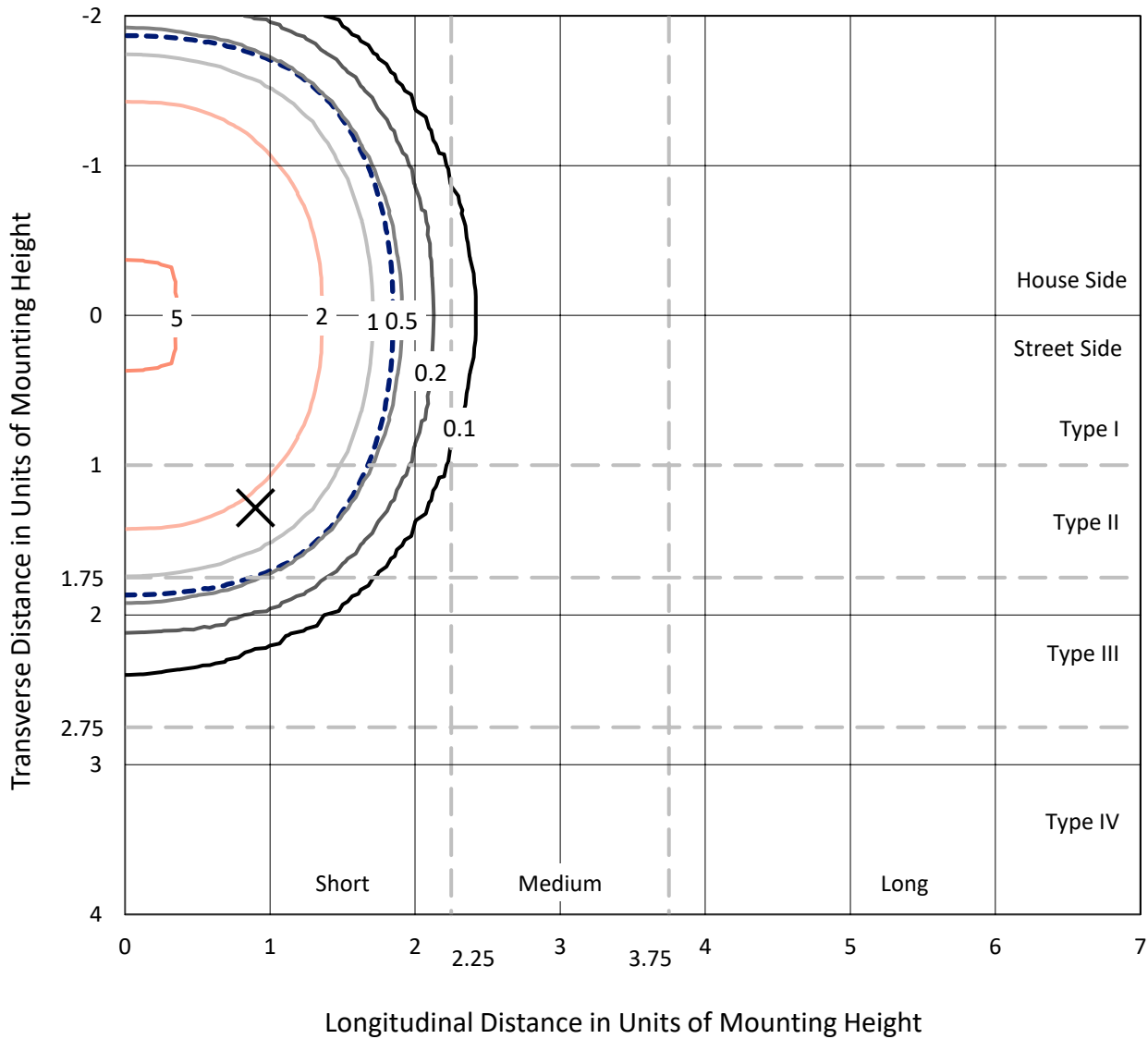
Input Watts (W): 202.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

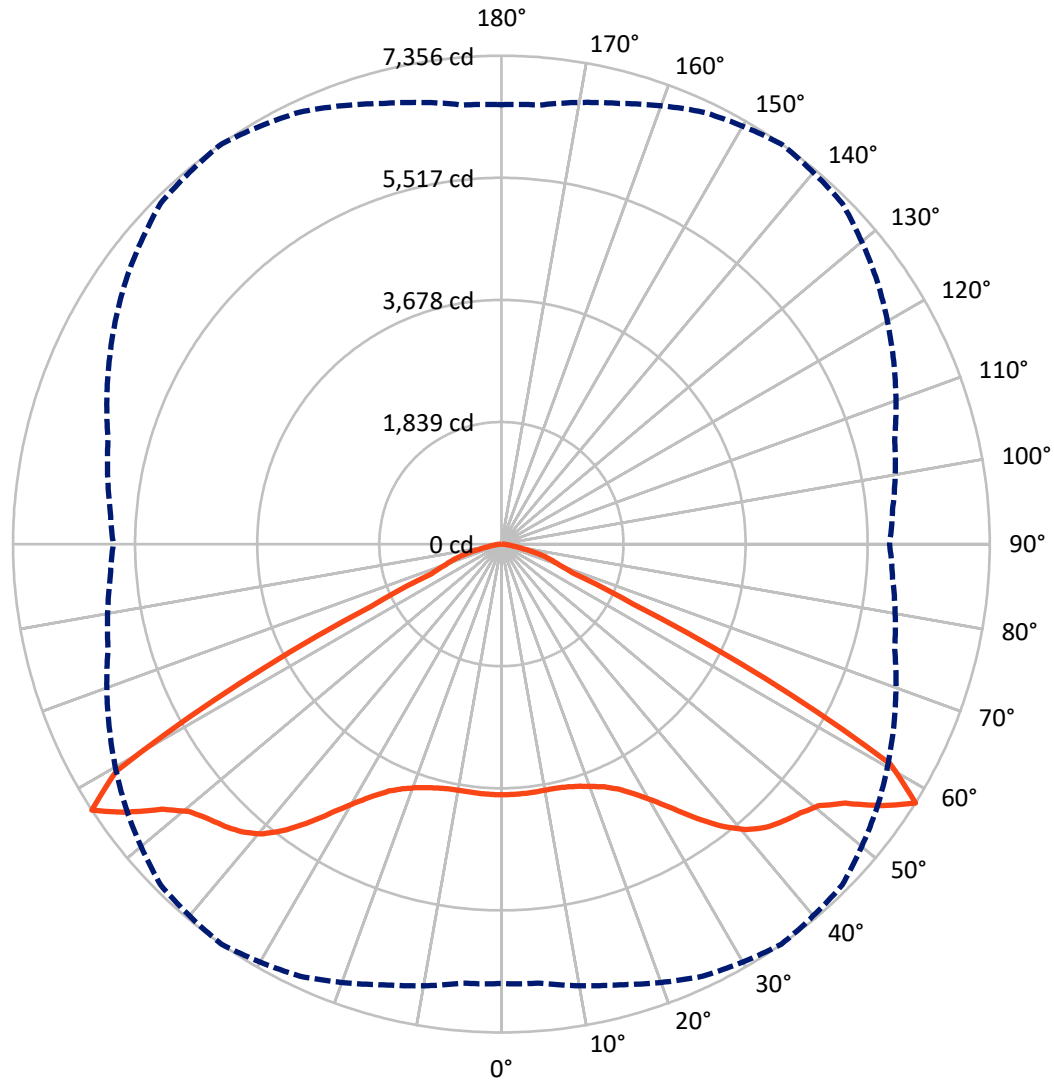
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	9868.6	0.0	9868.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9868.6	0.0	9868.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	19737.3	0.0	19737.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.3	1.8
10°-20°	1071.9	5.4
20°-30°	1870.2	9.5
30°-40°	3066.8	15.5
40°-50°	4516.6	22.9
50°-60°	5764.0	29.2
60°-70°	2429.2	12.3
70°-80°	580.3	2.9
80°-90°	79.0	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°	19737.3	100.0
0°-180°	19737.3	100.0

Coefficient of Utilization



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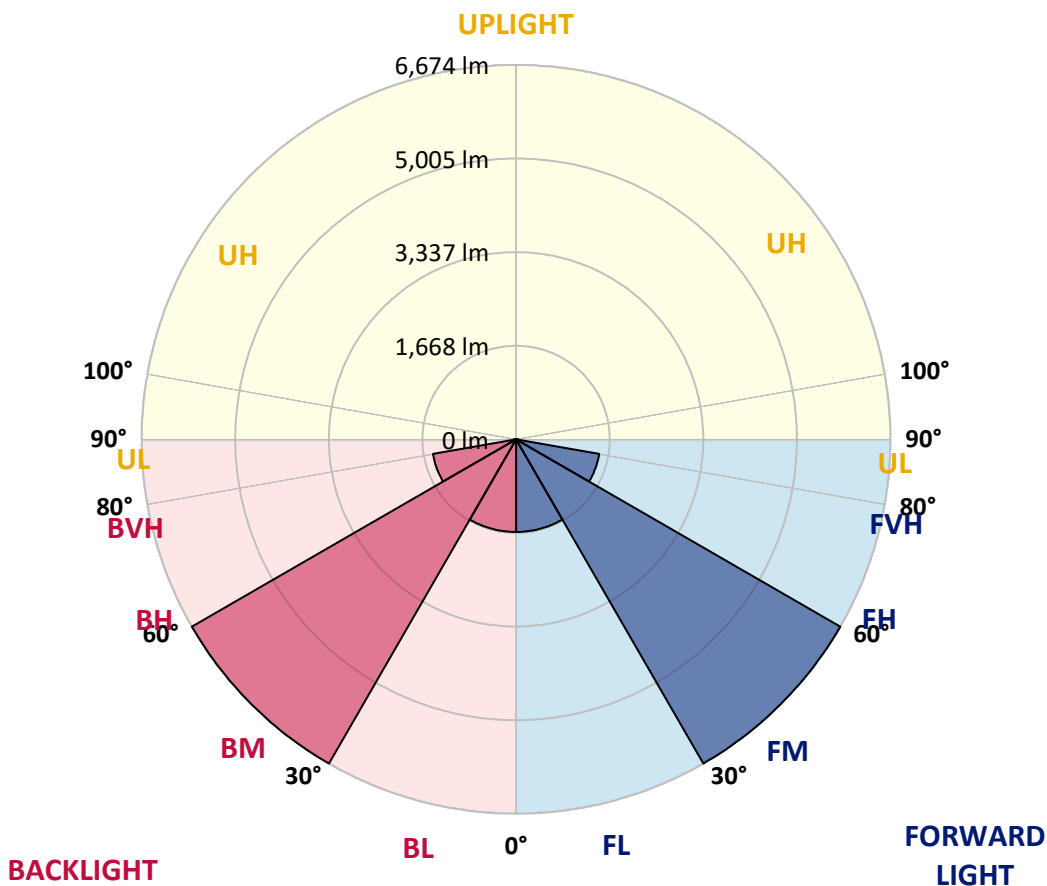
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1650.7	8.4			
FM (30°-60°)	6673.7	33.8			
FH (60°-80°)	1504.7	7.6			G1/1800
FVH (80°-90°)	39.5	0.2			G1/100
BL (0°-30°)	1650.7	8.4	B3/2500		
BM (30°-60°)	6673.7	33.8	B4/8500		
BH (60°-80°)	1504.7	7.6	B3/2500		G1/1800
BVH (80°-90°)	39.5	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°	3776.5	3776.5	3776.5	3776.5	3776.5	3776.5	3776.5	3776.5	3776.5	3776.5	3776.5
2.5°	3753.9	3753.9	3762.0	3770.0	3773.3	3787.8	3786.2	3781.4	3778.1	3768.4	3781.4
5°	3762.0	3762.0	3768.4	3773.3	3771.7	3783.0	3778.1	3770.0	3765.2	3755.5	3770.0
7.5°	3760.3	3760.3	3765.2	3770.0	3766.8	3776.5	3768.4	3757.1	3749.0	3739.3	3752.3
10°	3739.3	3742.6	3747.4	3758.7	3763.6	3778.1	3766.8	3749.0	3736.1	3724.8	3737.7
12.5°	3736.1	3739.3	3745.8	3760.3	3768.4	3789.4	3774.9	3745.8	3726.4	3711.9	3724.8
15°	3750.7	3753.9	3763.6	3781.4	3794.3	3816.9	3795.9	3755.5	3728.0	3708.6	3719.9
17.5°	3768.4	3773.3	3787.8	3813.7	3834.7	3858.9	3833.1	3784.6	3745.8	3719.9	3729.6
20°	3787.8	3794.3	3816.9	3855.7	3894.5	3925.2	3892.9	3828.2	3781.4	3747.4	3757.1
22.5°	3821.8	3829.8	3858.9	3913.9	3972.0	4017.3	3976.9	3889.6	3828.2	3784.6	3792.7
25°	3891.2	3900.9	3938.1	4004.4	4086.8	4141.7	4085.2	3986.6	3900.9	3847.6	3855.7
27.5°	4014.1	4018.9	4067.4	4154.6	4256.4	4319.5	4251.6	4135.3	4039.9	3978.5	3985.0
30°	4175.6	4190.2	4238.7	4353.4	4474.6	4558.6	4469.8	4332.4	4222.5	4148.2	4154.6
32.5°	4372.8	4382.5	4455.2	4574.8	4749.3	4846.3	4725.1	4561.9	4429.4	4338.9	4345.3
35°	4631.4	4639.4	4708.9	4860.8	5072.5	5163.0	5024.0	4836.6	4683.1	4597.4	4621.7
37.5°	4940.0	4954.5	5004.6	5154.9	5390.9	5479.7	5319.8	5145.2	4985.2	4906.1	4923.8
40°	5271.3	5269.7	5310.1	5442.6	5657.5	5712.4	5568.6	5429.6	5292.3	5240.6	5269.7
42.5°	5555.7	5547.6	5576.7	5686.6	5835.2	5840.1	5744.7	5667.2	5570.2	5534.7	5562.1
45°	5754.4	5757.7	5801.3	5877.3	5953.2	5912.8	5883.7	5870.8	5794.8	5746.4	5751.2
47.5°	5911.2	5924.1	5993.6	6045.3	6055.0	5987.1	6027.5	6046.9	5983.9	5909.6	5888.6
50°	6050.2	6071.2	6161.7	6216.6	6195.6	6110.0	6189.1	6218.2	6079.3	5937.0	5895.0
52.5°	6302.3	6326.5	6436.4	6507.5	6483.2	6397.6	6471.9	6368.5	6134.2	5959.7	5906.3
55°	6704.6	6715.9	6850.1	6966.4	6955.1	6850.1	6790.3	6560.8	6276.4	6095.4	6045.3
57.5°	6619.0	6638.4	6871.1	7181.3	7355.9	7260.5	6909.9	6518.8	6132.6	5914.4	5846.6
60°	5208.3	5255.1	5544.4	6090.6	6730.5	6728.9	6077.6	5470.0	5004.6	4715.4	4686.3
62.5°	3041.2	3073.6	3337.0	3889.6	4463.3	4498.8	4041.5	3624.6	3217.4	3021.9	2928.1
65°	1439.8	1438.2	1543.2	1792.1	2179.9	2210.6	2073.3	1845.4	1604.7	1538.4	1520.6
67.5°	1063.3	1063.3	1055.2	1073.0	1147.3	1163.5	1147.3	1110.2	1087.5	1102.1	1092.4
70°	922.7	924.3	914.6	909.8	909.8	904.9	911.4	925.9	935.6	955.0	945.3
72.5°	748.2	749.8	749.8	751.4	753.0	746.6	756.3	764.4	766.0	772.4	766.0
75°	531.7	534.9	544.6	552.7	559.1	559.1	562.4	564.0	557.5	565.6	552.7
77.5°	292.5	295.7	313.5	328.0	342.6	344.2	349.0	352.3	349.0	355.5	345.8
80°	161.6	164.8	172.9	179.4	190.7	200.4	206.8	210.1	210.1	214.9	210.1
82.5°	92.1	95.3	100.2	103.4	113.1	121.2	127.7	132.5	132.5	134.1	130.9
85°	43.6	43.6	46.9	50.1	54.9	58.2	66.3	71.1	71.1	74.3	71.1
87.5°	6.5	8.1	9.7	9.7	12.9	16.2	19.4	21.0	24.2	25.9	25.9
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)