

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: P635707

Luminaire Tested: GWS-SA3E-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19663.3 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

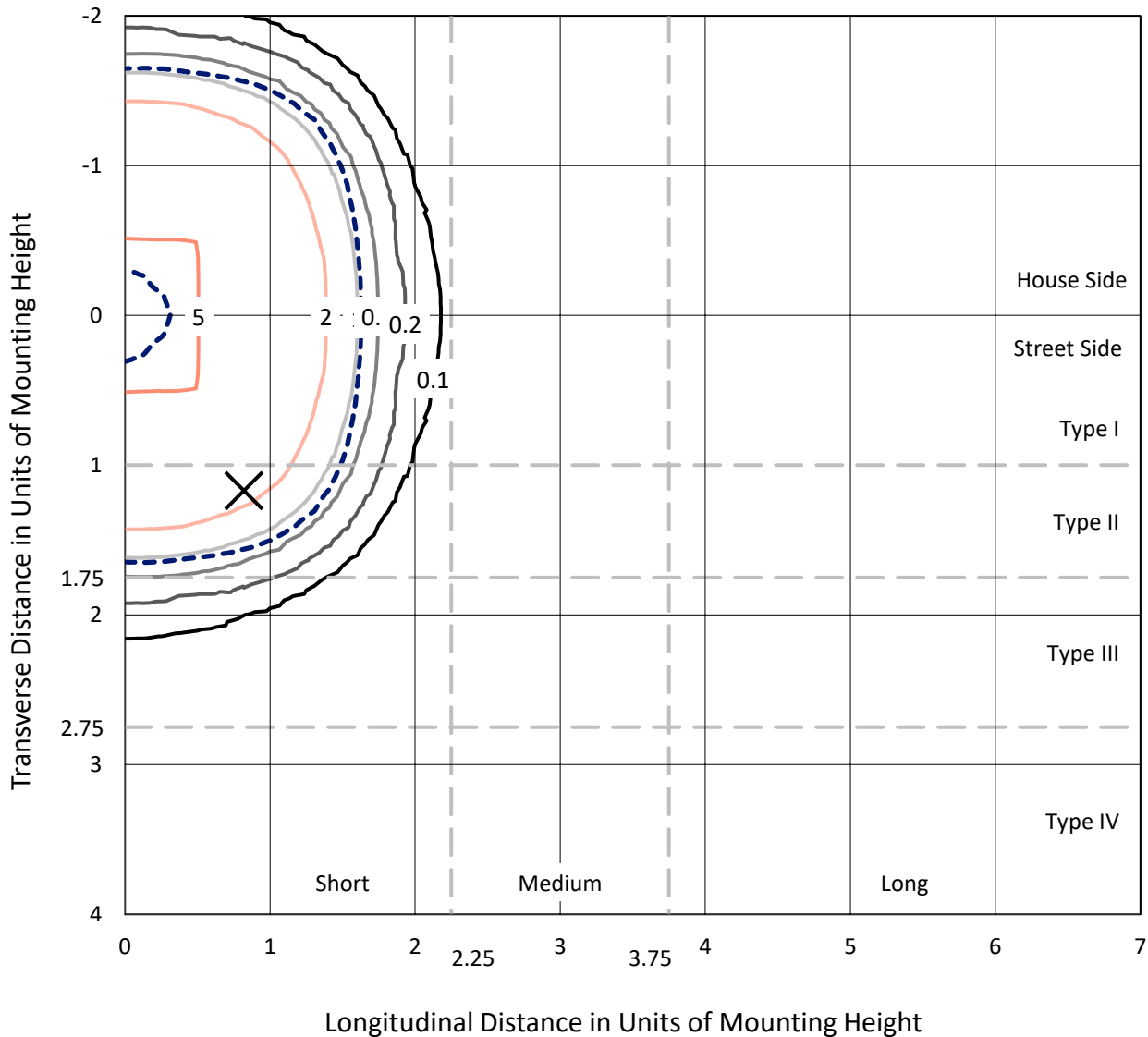
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

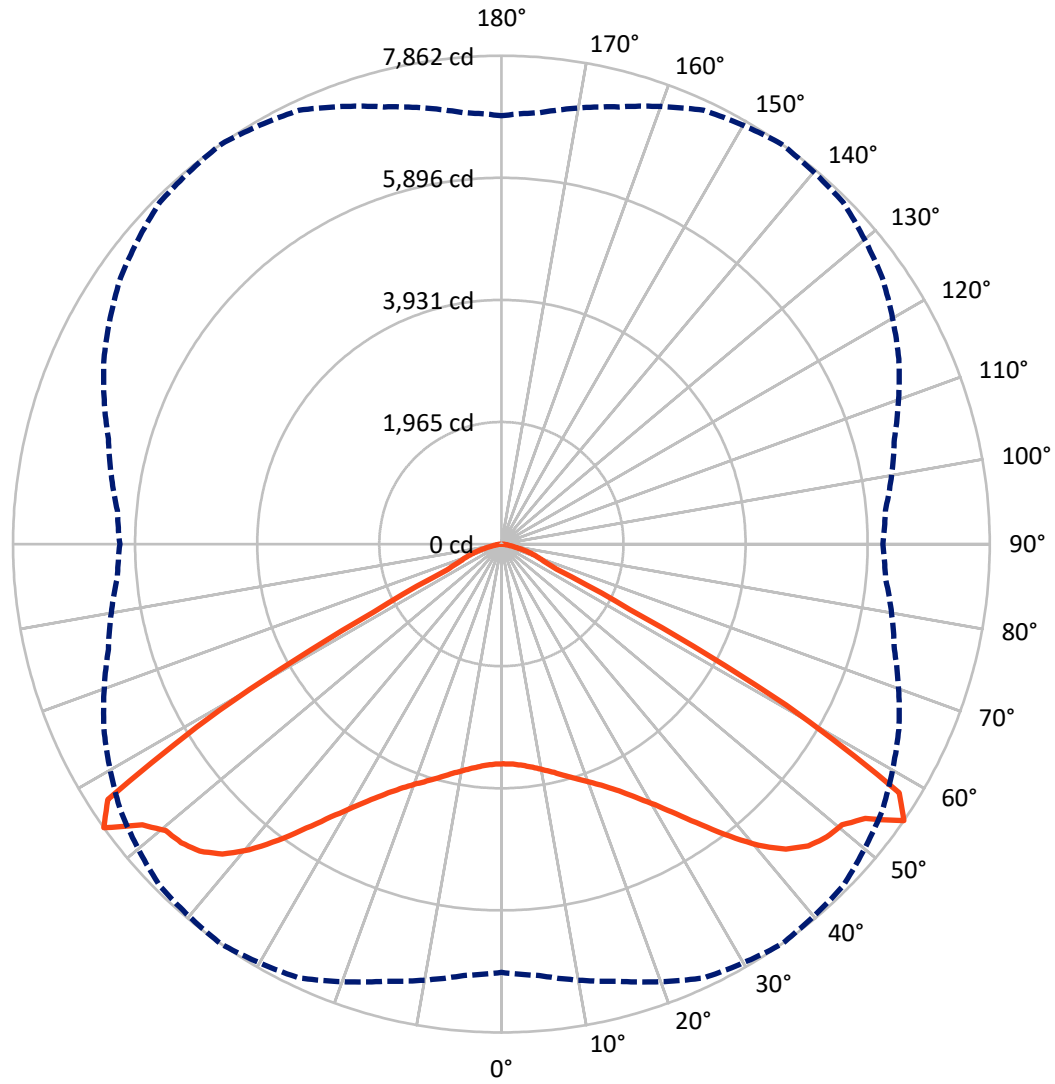
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9831.6	0.0	9831.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9831.6	0.0	9831.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	19663.3	0.0	19663.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.0	1.8
10°-20°	1098.5	5.6
20°-30°	2033.1	10.3
30°-40°	3401.0	17.3
40°-50°	5182.6	26.4
50°-60°	5805.6	29.5
60°-70°	1373.7	7.0
70°-80°	370.3	1.9
80°-90°	53.3	0.3
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°	19663.3	100.0
0°-180°	19663.3	100.0

Coefficient of Utilization



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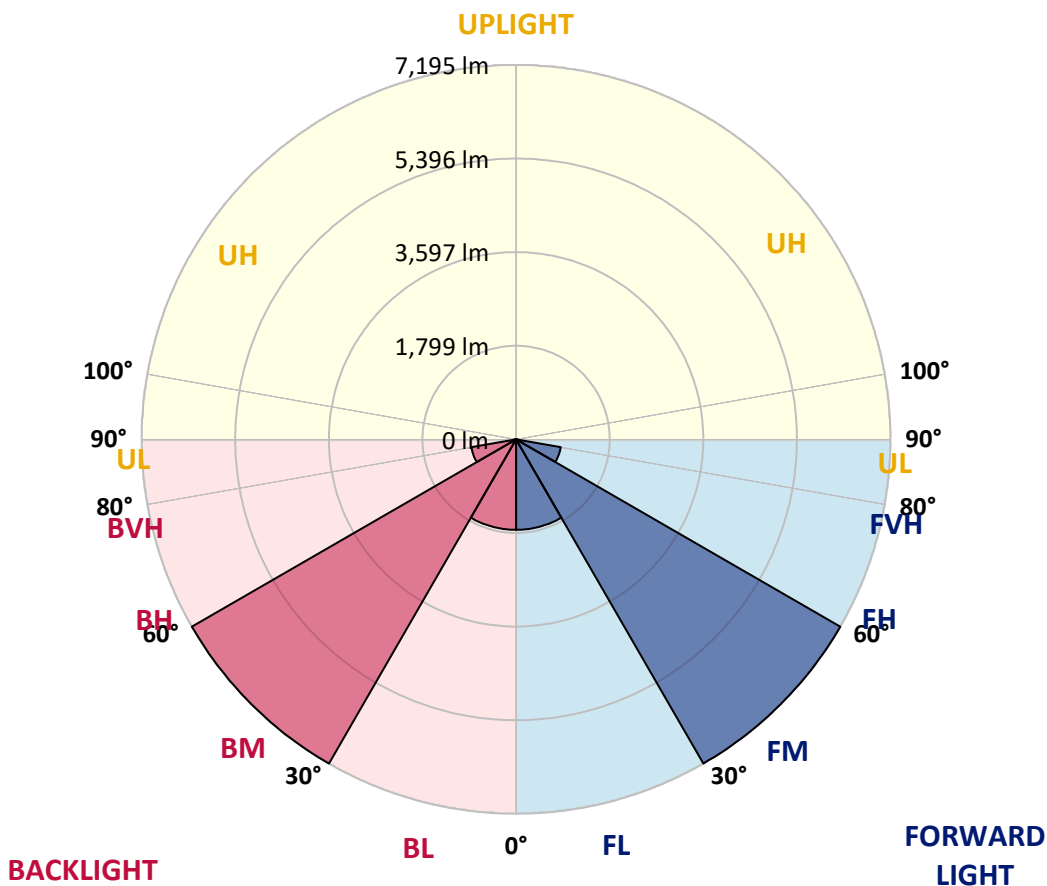
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1738.4	8.8			
FM (30°-60°)	7194.6	36.6			
FH (60°-80°)	872.0	4.4			G1/1800
FVH (80°-90°)	26.6	0.1			G1/100
BL (0°-30°)	1738.4	8.8	B3/2500		
BM (30°-60°)	7194.6	36.6	B4/8500		
BH (60°-80°)	872.0	4.4	B2/1000		G1/1800
BVH (80°-90°)	26.6	0.1			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°	3537.5	3537.5	3537.5	3537.5	3537.5	3537.5	3537.5	3537.5	3537.5	3537.5	3537.5
2.5°	3529.7	3529.7	3535.9	3543.7	3545.3	3560.8	3557.7	3551.5	3548.4	3542.1	3556.1
5°	3568.6	3570.1	3574.8	3579.5	3576.4	3588.8	3584.1	3576.4	3571.7	3563.9	3577.9
7.5°	3619.9	3619.9	3624.6	3630.8	3627.7	3646.3	3637.0	3626.1	3618.3	3609.0	3621.4
10°	3666.5	3669.7	3674.3	3686.8	3693.0	3713.2	3707.0	3691.4	3679.0	3668.1	3682.1
12.5°	3736.5	3739.6	3744.3	3761.4	3772.3	3792.5	3783.2	3761.4	3742.7	3727.2	3742.7
15°	3826.7	3823.6	3836.0	3857.8	3871.8	3890.5	3879.6	3842.2	3817.4	3797.2	3812.7
17.5°	3918.4	3916.9	3929.3	3957.3	3977.5	4002.4	3983.7	3940.2	3913.8	3888.9	3904.4
20°	4018.0	4022.6	4035.1	4061.5	4091.0	4123.7	4108.1	4061.5	4032.0	4004.0	4016.4
22.5°	4140.8	4142.4	4156.3	4190.6	4229.4	4260.5	4251.2	4193.7	4156.3	4126.8	4142.4
25°	4288.5	4287.0	4305.6	4346.0	4400.5	4431.6	4411.4	4347.6	4307.2	4273.0	4285.4
27.5°	4458.0	4456.4	4484.4	4537.3	4615.1	4658.6	4616.6	4537.3	4481.3	4433.1	4444.0
30°	4671.0	4666.4	4697.5	4769.0	4870.1	4943.1	4880.9	4770.5	4697.5	4646.2	4657.0
32.5°	4907.4	4913.6	4952.5	5048.9	5176.4	5271.2	5177.9	5055.1	4957.1	4882.5	4894.9
35°	5167.1	5167.1	5246.4	5366.1	5548.0	5674.0	5529.4	5352.1	5221.5	5118.9	5122.0
37.5°	5456.3	5459.4	5563.6	5728.4	5966.3	6114.0	5918.1	5698.8	5540.2	5429.8	5423.6
40°	5809.2	5818.6	5925.9	6109.3	6376.8	6512.1	6302.2	6087.6	5925.9	5795.2	5782.8
42.5°	6207.3	6210.4	6323.9	6488.7	6714.2	6795.1	6630.2	6454.5	6322.4	6204.2	6191.8
45°	6586.7	6578.9	6676.9	6799.7	6930.4	6938.1	6846.4	6774.9	6659.8	6558.7	6540.1
47.5°	6882.1	6875.9	6964.6	7031.4	7047.0	6970.8	7000.3	7011.2	6877.5	6740.6	6704.9
50°	7062.5	7075.0	7158.9	7196.2	7104.5	6980.1	7092.1	7064.1	6872.8	6694.0	6636.5
52.5°	7171.4	7190.0	7336.2	7431.0	7336.2	7218.0	7233.6	7068.7	6793.5	6557.2	6482.5
55°	6896.1	6970.8	7286.4	7706.3	7861.8	7779.3	7483.9	7059.4	6549.4	6205.8	6142.0
57.5°	5111.1	5229.3	5697.3	6606.9	7552.3	7852.4	6989.4	5918.1	5145.3	4703.7	4666.4
60°	2609.2	2741.4	3116.1	4050.6	5266.6	5689.5	4868.5	3789.4	3011.9	2654.3	2613.8
62.5°	1065.1	1086.9	1209.7	1570.5	2327.7	2685.4	2358.8	1656.0	1243.9	1146.0	1147.5
65°	838.1	842.8	836.6	858.3	974.9	1082.2	999.8	878.5	856.8	867.7	859.9
67.5°	730.8	732.4	727.7	727.7	732.4	727.7	737.0	741.7	744.8	757.3	749.5
70°	611.1	612.6	612.6	615.8	614.2	606.4	620.4	626.6	628.2	636.0	631.3
72.5°	472.7	477.4	480.5	482.0	480.5	475.8	483.6	494.5	492.9	500.7	492.9
75°	320.3	326.5	329.6	335.9	334.3	334.3	343.6	348.3	343.6	349.9	343.6
77.5°	181.9	186.6	195.9	202.1	208.4	213.0	219.2	222.4	220.8	223.9	220.8
80°	105.7	107.3	115.1	118.2	125.9	133.7	139.9	143.1	144.6	146.2	144.6
82.5°	60.6	62.2	65.3	68.4	74.6	80.9	87.1	91.7	91.7	93.3	91.7
85°	29.5	29.5	31.1	32.7	35.8	40.4	45.1	49.8	51.3	51.3	51.3
87.5°	4.7	4.7	6.2	6.2	7.8	9.3	12.4	15.5	17.1	17.1	17.1
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)