

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: P635704

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635704
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-SA3E-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 18991.6 lumens
Efficiency: N/A
Efficacy: 119.3 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

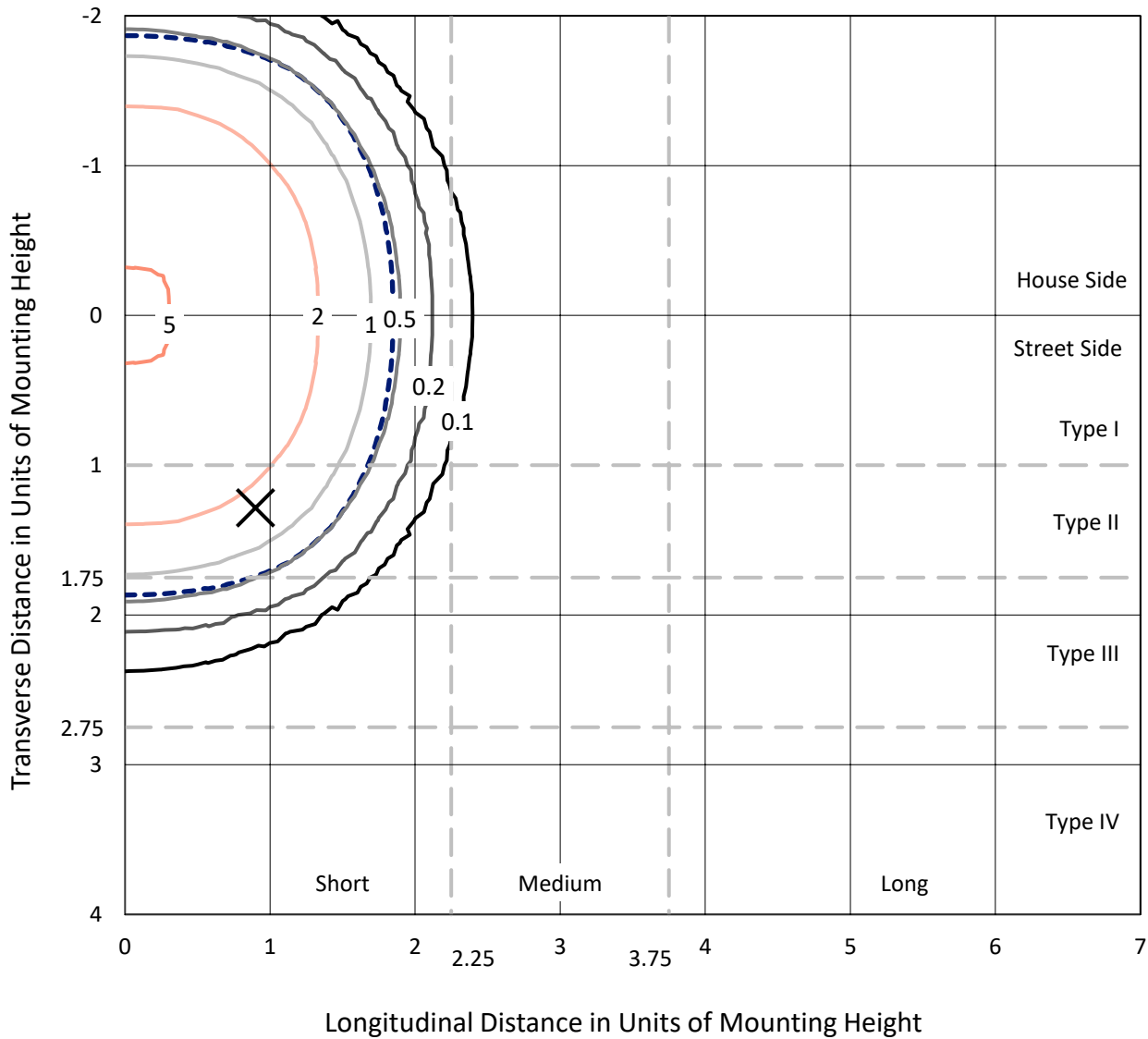
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

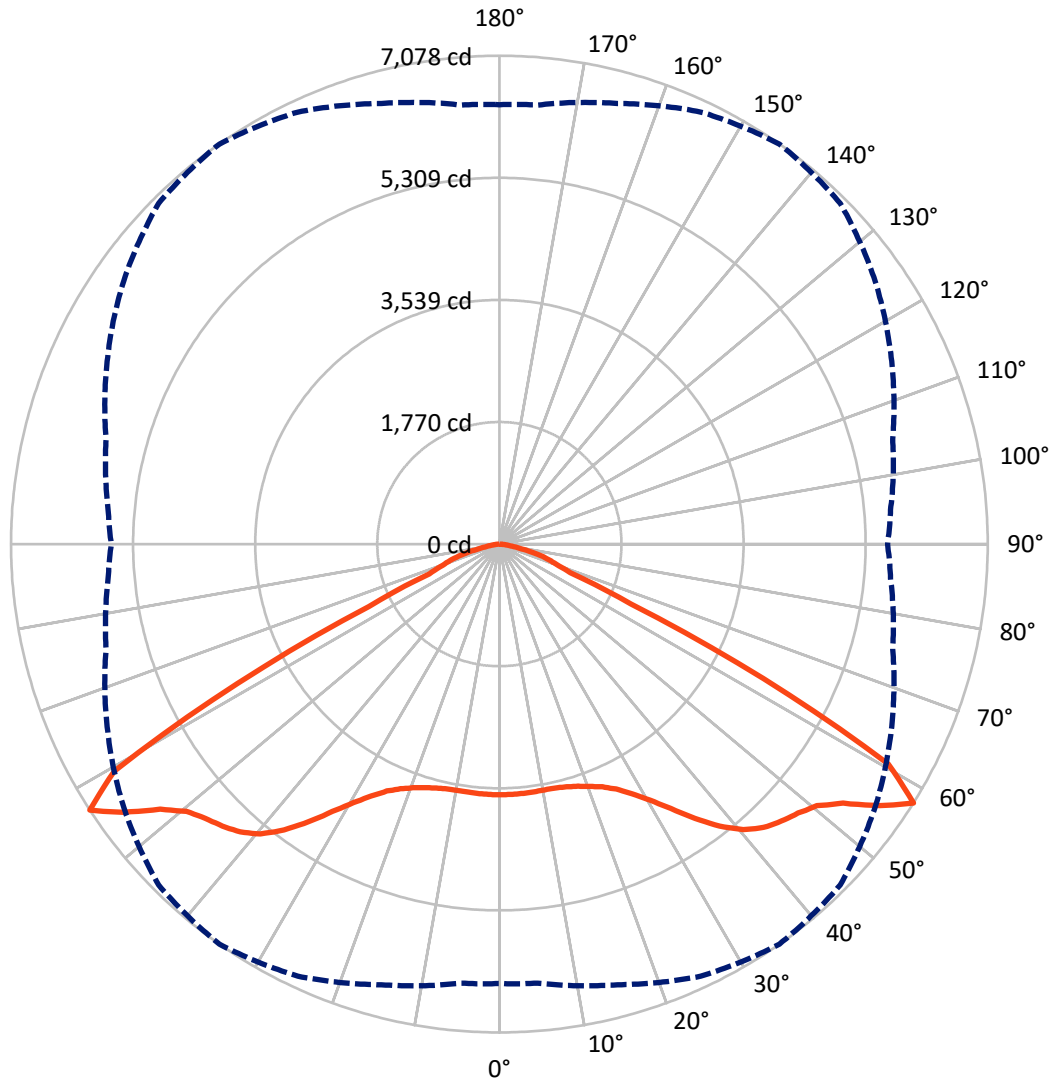
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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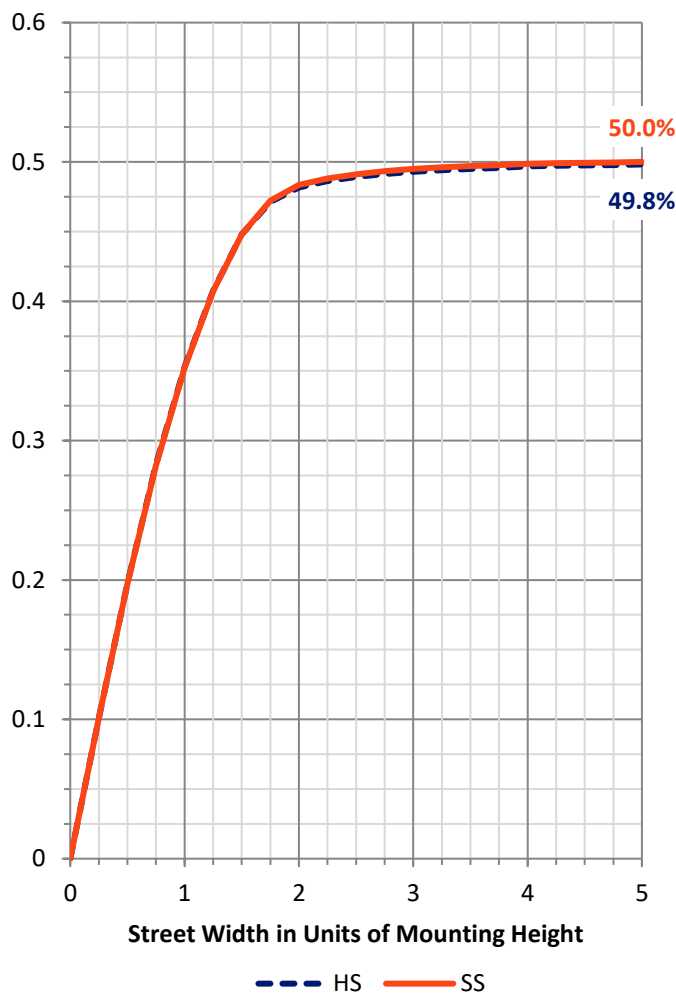
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9495.8	0.0	9495.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9495.8	0.0	9495.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	18991.6	0.0	18991.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.7	1.8
10°-20°	1031.4	5.4
20°-30°	1799.6	9.5
30°-40°	2950.9	15.5
40°-50°	4346.0	22.9
50°-60°	5546.2	29.2
60°-70°	2337.4	12.3
70°-80°	558.4	2.9
80°-90°	76.0	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°	18991.6	100.0
0°-180°	18991.6	100.0

Coefficient of Utilization



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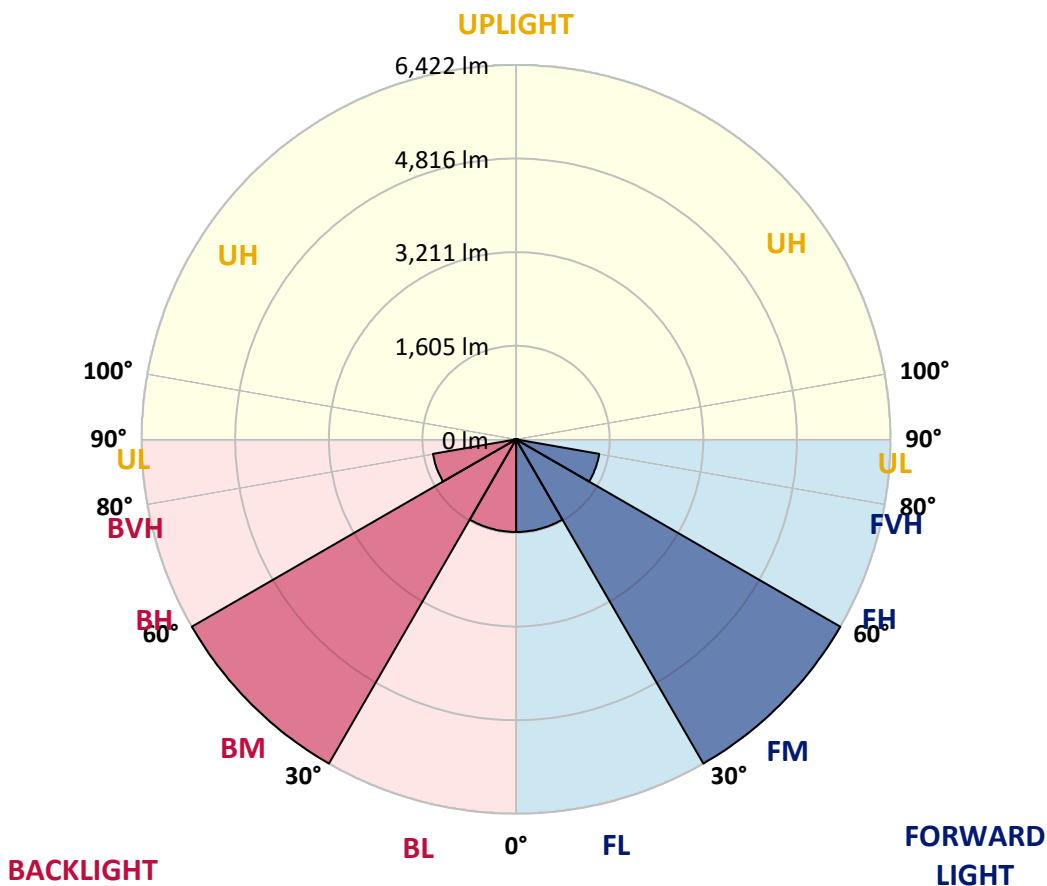
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1588.3	8.4			
FM (30°-60°)	6421.6	33.8			
FH (60°-80°)	1447.9	7.6			G1/1800
FVH (80°-90°)	38.0	0.2			G1/100
BL (0°-30°)	1588.3	8.4	B3/2500		
BM (30°-60°)	6421.6	33.8	B4/8500		
BH (60°-80°)	1447.9	7.6	B3/2500		G1/1800
BVH (80°-90°)	38.0	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°	3633.8	3633.8	3633.8	3633.8	3633.8	3633.8	3633.8	3633.8	3633.8	3633.8	3633.8
2.5°	3612.1	3612.1	3619.8	3627.6	3630.7	3644.7	3643.2	3638.5	3635.4	3626.1	3638.5
5°	3619.8	3619.8	3626.1	3630.7	3629.2	3640.0	3635.4	3627.6	3622.9	3613.6	3627.6
7.5°	3618.3	3618.3	3622.9	3627.6	3624.5	3633.8	3626.1	3615.2	3607.4	3598.1	3610.5
10°	3598.1	3601.2	3605.8	3616.7	3621.4	3635.4	3624.5	3607.4	3595.0	3584.1	3596.5
12.5°	3595.0	3598.1	3604.3	3618.3	3626.1	3646.3	3632.3	3604.3	3585.6	3571.6	3584.1
15°	3608.9	3612.1	3621.4	3638.5	3650.9	3672.7	3652.5	3613.6	3587.2	3568.5	3579.4
17.5°	3626.1	3630.7	3644.7	3669.6	3689.8	3713.1	3688.2	3641.6	3604.3	3579.4	3588.7
20°	3644.7	3650.9	3672.7	3710.0	3747.3	3776.9	3745.8	3683.6	3638.5	3605.8	3615.2
22.5°	3677.4	3685.1	3713.1	3766.0	3822.0	3865.5	3826.6	3742.7	3683.6	3641.6	3649.4
25°	3744.2	3753.6	3789.3	3853.1	3932.4	3985.2	3930.8	3836.0	3753.6	3702.2	3710.0
27.5°	3862.4	3867.1	3913.7	3997.7	4095.6	4156.3	4091.0	3979.0	3887.3	3828.2	3834.4
30°	4017.9	4031.9	4078.5	4188.9	4305.5	4386.4	4300.9	4168.7	4063.0	3991.5	3997.7
32.5°	4207.6	4216.9	4286.9	4402.0	4569.9	4663.2	4546.6	4389.5	4262.0	4174.9	4181.2
35°	4456.4	4464.1	4531.0	4677.2	4880.9	4967.9	4834.2	4653.8	4506.1	4423.7	4447.0
37.5°	4753.4	4767.4	4815.6	4960.2	5187.2	5272.7	5118.8	4950.8	4796.9	4720.7	4737.8
40°	5072.1	5070.6	5109.4	5236.9	5443.7	5496.6	5358.2	5224.5	5092.3	5042.6	5070.6
42.5°	5345.8	5338.0	5366.0	5471.7	5614.8	5619.4	5527.7	5453.1	5359.8	5325.6	5352.0
45°	5537.0	5540.1	5582.1	5655.2	5728.3	5689.4	5661.4	5649.0	5575.9	5529.3	5533.9
47.5°	5687.9	5700.3	5767.2	5816.9	5826.2	5760.9	5799.8	5818.5	5757.8	5686.3	5666.1
50°	5821.6	5841.8	5928.9	5981.7	5961.5	5879.1	5955.3	5983.3	5849.6	5712.7	5672.3
52.5°	6064.2	6087.5	6193.2	6261.6	6238.3	6155.9	6227.4	6127.9	5902.4	5734.5	5683.2
55°	6451.3	6462.2	6591.3	6703.2	6692.3	6591.3	6533.7	6312.9	6039.3	5865.1	5816.9
57.5°	6368.9	6387.6	6611.5	6910.0	7078.0	6986.2	6648.8	6272.5	5900.9	5691.0	5625.7
60°	5011.5	5056.6	5334.9	5860.5	6476.2	6474.6	5848.0	5263.4	4815.6	4537.2	4509.2
62.5°	2926.3	2957.4	3210.9	3742.7	4294.7	4328.9	3888.8	3487.7	3095.8	2907.7	2817.5
65°	1385.4	1383.9	1484.9	1724.4	2097.6	2127.1	1994.9	1775.7	1544.0	1480.3	1463.2
67.5°	1023.1	1023.1	1015.4	1032.5	1104.0	1119.5	1104.0	1068.2	1046.5	1060.4	1051.1
70°	887.9	889.4	880.1	875.4	875.4	870.7	877.0	891.0	900.3	919.0	909.6
72.5°	719.9	721.5	721.5	723.0	724.6	718.4	727.7	735.5	737.0	743.2	737.0
75°	511.6	514.7	524.0	531.8	538.0	538.0	541.1	542.7	536.4	544.2	531.8
77.5°	281.4	284.5	301.7	315.6	329.6	331.2	335.9	339.0	335.9	342.1	332.8
80°	155.5	158.6	166.4	172.6	183.5	192.8	199.0	202.1	202.1	206.8	202.1
82.5°	88.6	91.7	96.4	99.5	108.8	116.6	122.8	127.5	127.5	129.1	125.9
85°	42.0	42.0	45.1	48.2	52.9	56.0	63.8	68.4	68.4	71.5	68.4
87.5°	6.2	7.8	9.3	9.3	12.4	15.5	18.7	20.2	23.3	24.9	24.9
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)