

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: P642635

Luminaire Tested: GWS-SA6D-735-U-5MQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-735-U-5MQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

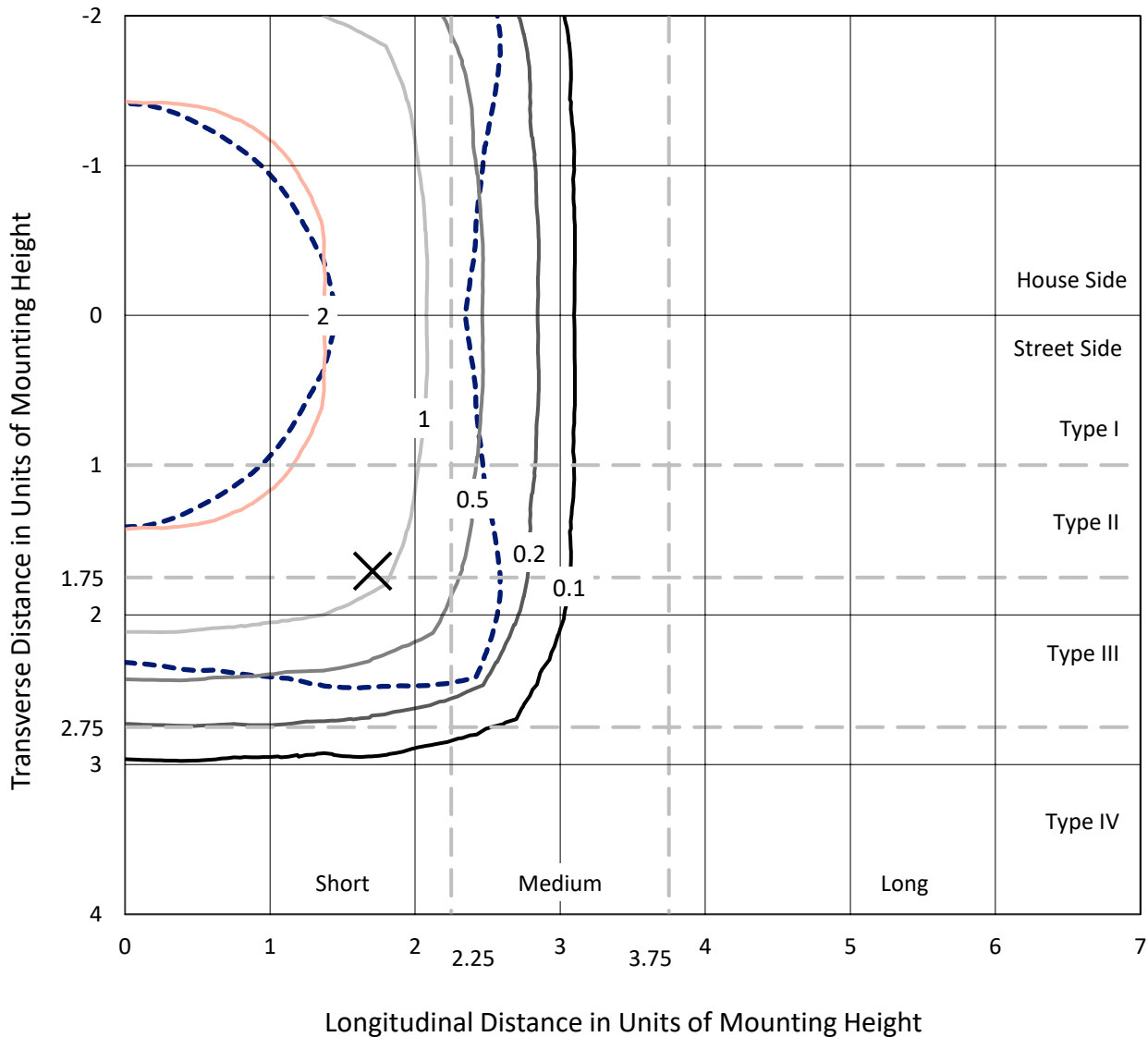
Lumens per Lamp: N/A  
Luminaire Lumens: 36588.2 lumens  
Efficiency: N/A  
Efficacy: 148.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

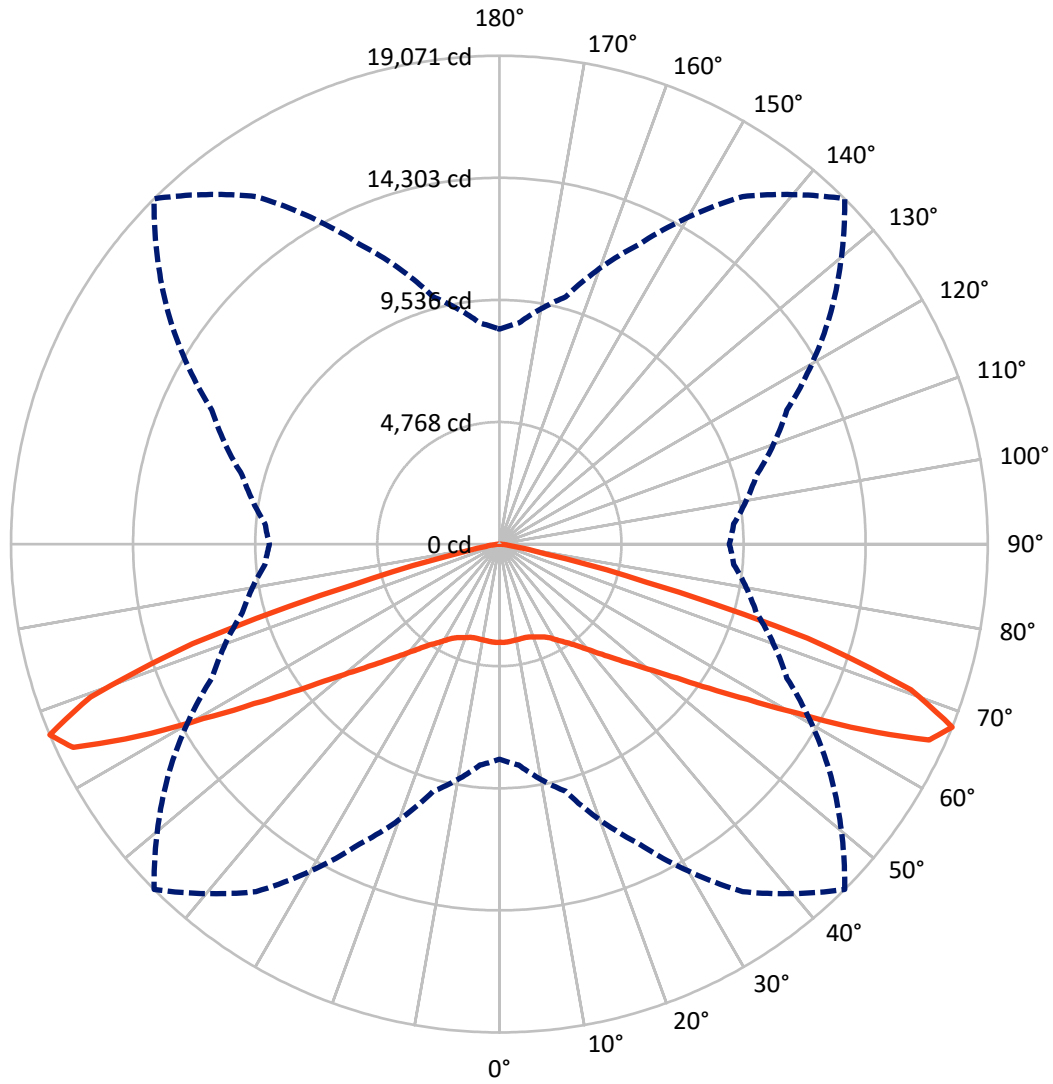
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18294.1	0.0	18294.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18294.1	0.0	18294.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36588.2	0.0	36588.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	362.7	1.0
10°-20°	1065.2	2.9
20°-30°	1837.2	5.0
30°-40°	2987.4	8.2
40°-50°	5030.2	13.7
50°-60°	8912.5	24.4
60°-70°	12739.8	34.8
70°-80°	3496.6	9.6
80°-90°	156.7	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°	36588.2	100.0
0°-180°	36588.2	100.0

**Coefficient of Utilization**



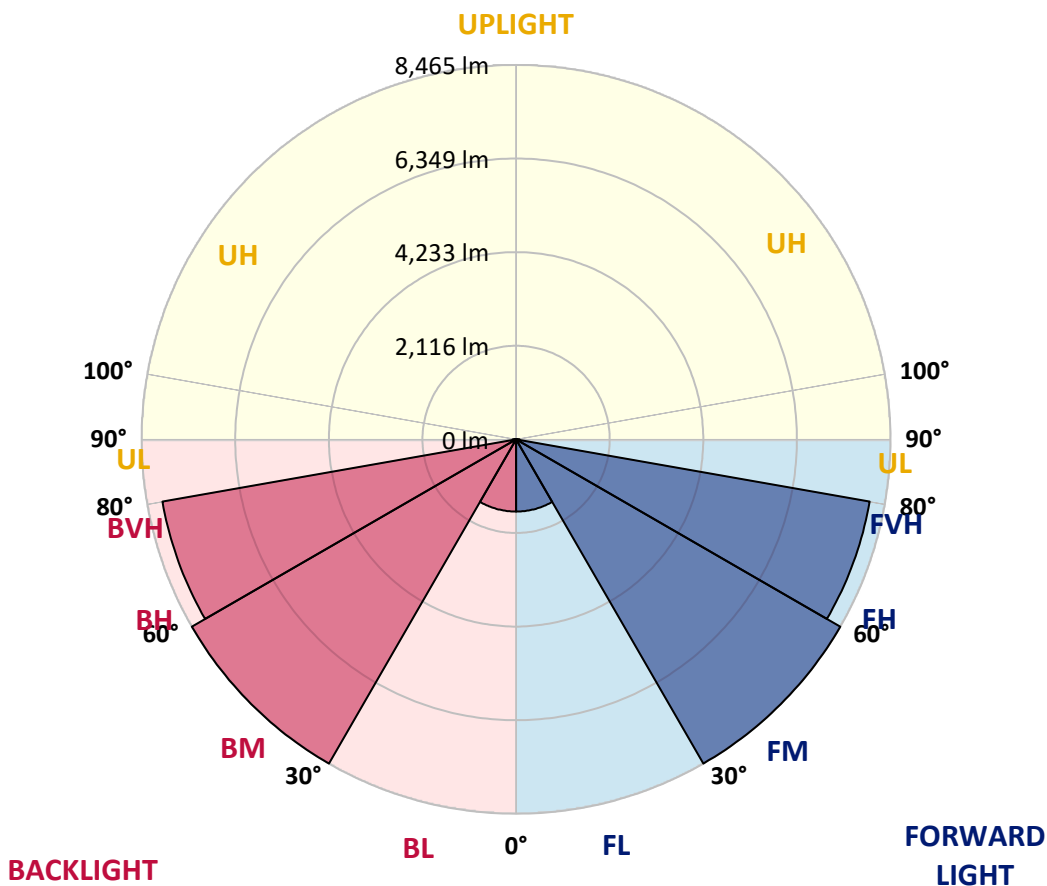
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1632.6	4.5			
FM (30°-60°)	8465.0	23.1			
FH (60°-80°)	8118.2	22.2			G4/12000
FVH (80°-90°)	78.3	0.2			G1/100
BL (0°-30°)	1632.6	4.5	B3/2500		
BM (30°-60°)	8465.0	23.1	B4/8500		
BH (60°-80°)	8118.2	22.2	B5		G4/12000
BVH (80°-90°)	78.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3832.0	3832.0	3832.0	3832.0	3832.0	3832.0	3832.0	3832.0	3832.0	3832.0	3832.0
2.5°	3806.6	3804.1	3816.8	3824.4	3821.8	3839.6	3837.0	3832.0	3832.0	3824.4	3844.6
5°	3806.6	3804.1	3814.2	3816.8	3811.7	3826.9	3821.8	3816.8	3816.8	3806.6	3824.4
7.5°	3786.4	3788.9	3796.5	3801.6	3796.5	3809.2	3801.6	3791.4	3788.9	3778.8	3796.5
10°	3748.4	3750.9	3758.5	3771.2	3773.7	3796.5	3783.8	3766.1	3758.5	3748.4	3766.1
12.5°	3725.6	3728.1	3735.7	3750.9	3756.0	3786.4	3773.7	3745.9	3733.2	3723.1	3740.8
15°	3720.5	3723.1	3733.2	3748.4	3756.0	3786.4	3773.7	3740.8	3723.1	3710.4	3725.6
17.5°	3720.5	3725.6	3740.8	3763.6	3778.8	3809.2	3794.0	3756.0	3730.7	3707.9	3723.1
20°	3723.1	3730.7	3753.5	3786.4	3824.4	3867.4	3847.2	3796.5	3761.1	3733.2	3743.3
22.5°	3745.9	3758.5	3786.4	3829.4	3885.2	3935.8	3918.1	3849.7	3799.0	3761.1	3771.2
25°	3824.4	3829.4	3864.9	3920.6	3973.8	4016.9	3999.1	3935.8	3872.5	3826.9	3839.6
27.5°	3963.7	3976.3	4006.7	4065.0	4110.6	4133.4	4130.8	4087.8	4024.5	3983.9	3994.1
30°	4130.8	4143.5	4184.0	4249.9	4295.5	4320.8	4313.2	4280.3	4222.0	4166.3	4176.4
32.5°	4325.8	4330.9	4379.0	4452.5	4500.6	4538.6	4513.3	4477.8	4404.4	4338.5	4343.6
35°	4574.0	4581.6	4632.3	4700.7	4738.7	4769.1	4764.0	4728.5	4650.0	4579.1	4596.8
37.5°	4885.6	4890.6	4936.2	5022.3	5052.7	5075.5	5080.6	5062.9	4981.8	4890.6	4908.4
40°	5273.1	5275.6	5326.3	5402.2	5435.2	5450.4	5452.9	5455.4	5371.8	5303.5	5298.4
42.5°	5723.9	5736.6	5807.5	5880.9	5896.1	5888.5	5913.8	5939.2	5858.1	5764.4	5772.0
45°	6263.4	6271.0	6367.2	6448.2	6420.4	6395.1	6443.2	6493.8	6420.4	6298.8	6263.4
47.5°	6901.6	6916.8	7020.6	7101.7	7056.1	7010.5	7089.0	7142.2	7023.2	6894.0	6861.1
50°	7623.4	7633.5	7780.4	7881.8	7828.6	7745.0	7843.8	7899.5	7739.9	7580.4	7509.4
52.5°	8476.9	8456.7	8651.7	8829.0	8796.1	8687.1	8768.2	8778.3	8540.3	8314.8	8243.9
55°	9517.9	9497.6	9692.6	9887.6	9968.7	9940.8	9902.8	9842.1	9490.0	9249.4	9183.6
57.5°	10731.0	10667.7	10941.2	11204.6	11381.9	11432.6	11270.5	11128.7	10850.1	10553.7	10477.8
60°	11858.1	11855.6	12288.6	12744.5	13230.8	13433.4	13023.1	12638.2	12012.6	11473.1	11364.2
62.5°	12174.7	12227.9	12937.0	14066.6	15267.1	15983.8	14902.4	13628.4	12420.3	11607.3	11463.0
65°	11394.6	11526.3	12534.3	14317.3	16687.9	18440.6	15999.0	13651.2	11967.0	10953.9	10801.9
67.5°	8398.4	8661.8	9996.6	12919.3	16566.4	19071.2	15804.0	12387.4	10394.2	9188.6	8978.4
70°	4143.5	4394.2	5452.9	8499.7	13631.0	17047.6	13674.0	9335.5	7020.6	5860.7	5668.2
72.5°	1524.7	1626.0	2041.4	3637.0	7522.1	12592.6	9350.7	5214.8	3401.4	2707.5	2578.3
75°	747.1	764.9	828.2	1220.8	2775.8	5926.5	4394.2	2000.8	1251.2	1089.1	1053.6
77.5°	476.1	483.7	514.1	582.5	891.5	1866.6	1332.2	790.2	612.9	587.6	587.6
80°	265.9	273.5	314.1	362.2	417.9	640.8	478.7	473.6	402.7	352.0	344.4
82.5°	126.6	139.3	200.1	197.6	220.3	321.7	281.1	255.8	258.3	195.0	184.9
85°	58.3	58.3	78.5	93.7	98.8	108.9	129.2	146.9	144.4	98.8	106.4
87.5°	27.9	27.9	27.9	25.3	22.8	20.3	27.9	45.6	65.9	45.6	43.1
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)