

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: P636205

Luminaire Tested: GWS-SA3F-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636205  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-735-U-5WQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

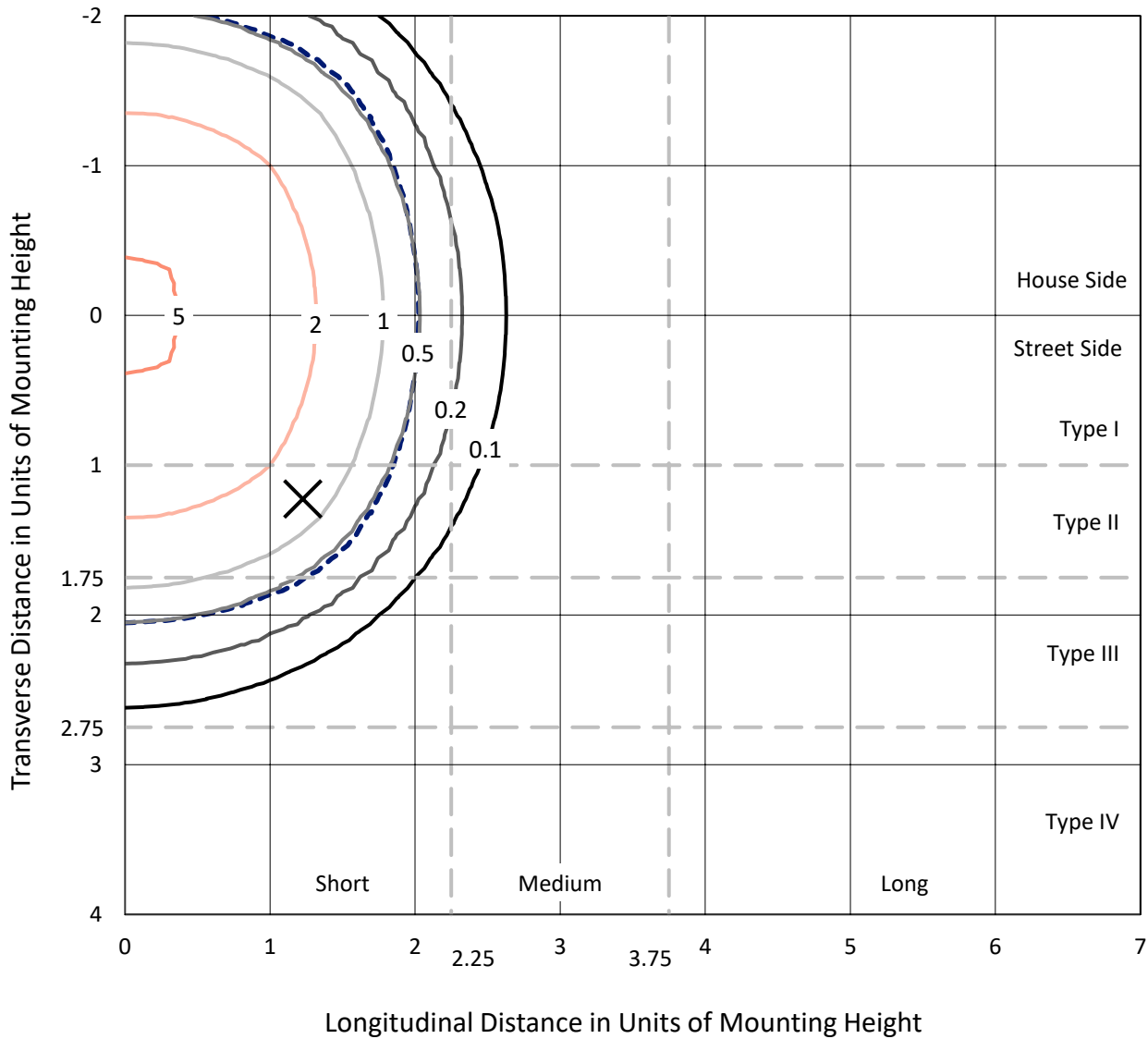
Lumens per Lamp: N/A  
Luminaire Lumens: 20366.6 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

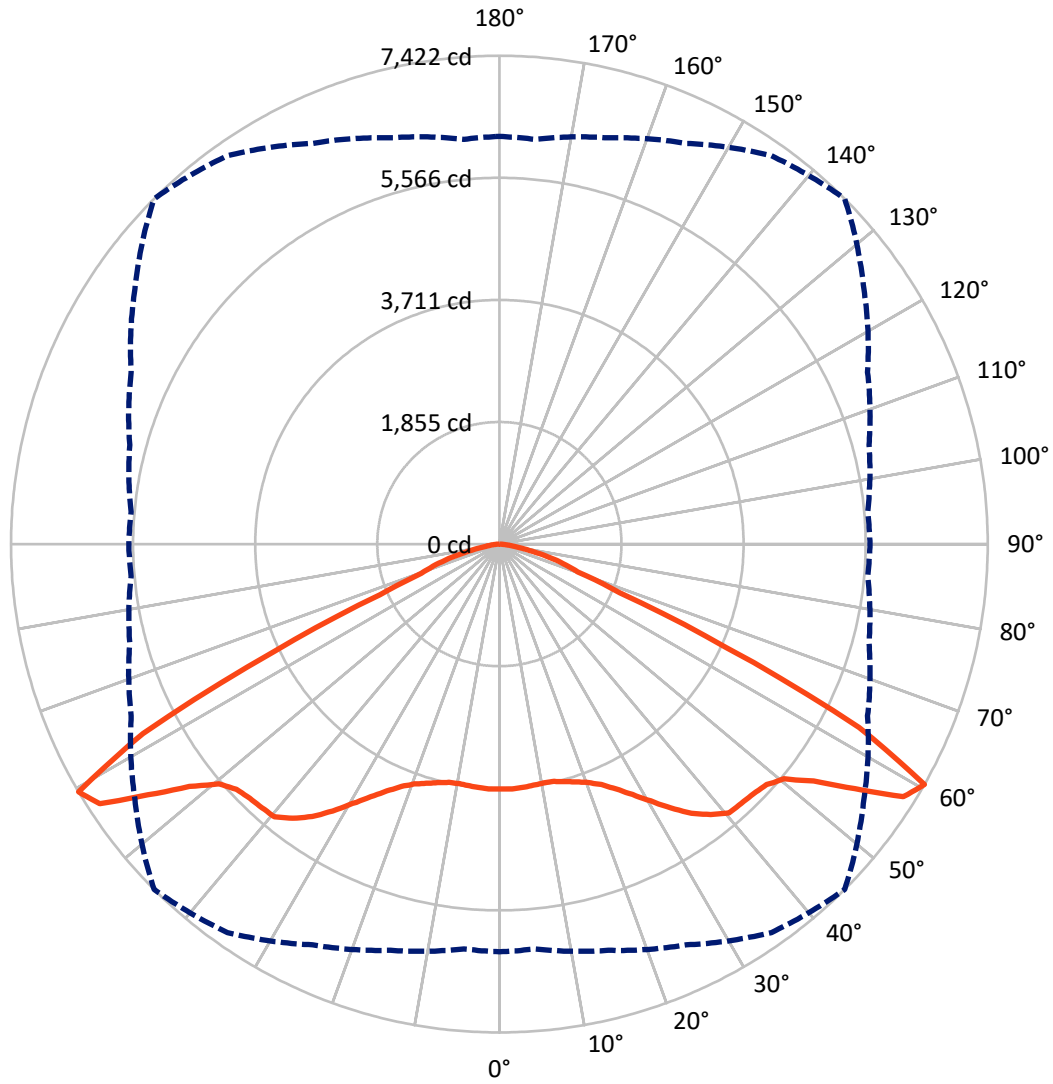
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10183.3	0.0	10183.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10183.3	0.0	10183.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20366.6	0.0	20366.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.0	1.7
10°-20°	1061.7	5.2
20°-30°	1878.3	9.2
30°-40°	3024.1	14.8
40°-50°	4156.6	20.4
50°-60°	5539.1	27.2
60°-70°	3452.2	17.0
70°-80°	793.8	3.9
80°-90°	107.7	0.5
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°	20366.6	100.0
0°-180°	20366.6	100.0

**Coefficient of Utilization**



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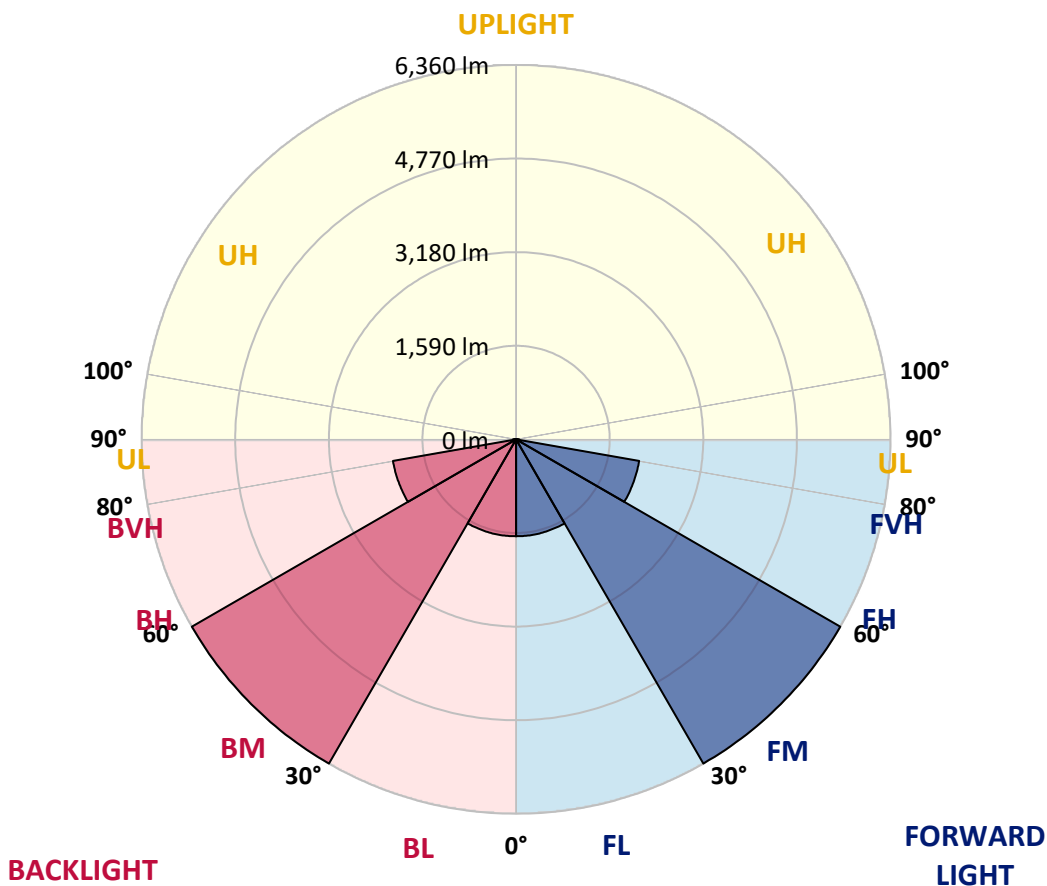
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1646.5	8.1			
FM (30°-60°)	6359.9	31.2			
FH (60°-80°)	2123.0	10.4			G2/5000
FVH (80°-90°)	53.9	0.3			G1/100
BL (0°-30°)	1646.5	8.1	B3/2500		
BM (30°-60°)	6359.9	31.2	B4/8500		
BH (60°-80°)	2123.0	10.4	B3/2500		G2/5000
BVH (80°-90°)	53.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0	3722.0
2.5°	3696.0	3699.5	3706.4	3711.6	3718.5	3725.4	3728.9	3722.0	3718.5	3704.7	3720.2
5°	3699.5	3703.0	3708.1	3708.1	3709.9	3715.1	3715.1	3706.4	3697.8	3682.2	3699.5
7.5°	3694.3	3697.8	3699.5	3697.8	3699.5	3701.2	3697.8	3687.4	3678.7	3664.9	3678.7
10°	3685.7	3689.1	3692.6	3689.1	3685.7	3690.8	3690.8	3683.9	3678.7	3664.9	3680.5
12.5°	3704.7	3709.9	3711.6	3703.0	3699.5	3701.2	3701.2	3694.3	3694.3	3682.2	3699.5
15°	3749.6	3753.1	3747.9	3737.5	3739.3	3744.4	3732.3	3715.1	3711.6	3706.4	3720.2
17.5°	3784.2	3787.7	3782.5	3775.6	3787.7	3799.8	3777.3	3744.4	3734.1	3730.6	3746.2
20°	3822.2	3827.4	3820.5	3829.1	3853.4	3867.2	3839.5	3794.6	3773.8	3768.6	3787.7
22.5°	3884.5	3891.4	3891.4	3910.4	3946.7	3969.2	3934.6	3874.1	3843.0	3834.3	3853.4
25°	3983.0	3988.2	3993.4	4031.4	4090.2	4121.3	4066.0	3983.0	3939.8	3926.0	3936.3
27.5°	4119.6	4128.2	4136.9	4192.2	4264.8	4309.7	4230.2	4126.5	4072.9	4045.2	4066.0
30°	4282.1	4294.2	4314.9	4377.2	4479.2	4529.3	4427.3	4301.1	4240.6	4211.2	4238.9
32.5°	4503.4	4505.1	4520.6	4589.8	4724.6	4781.7	4653.8	4513.7	4451.5	4416.9	4432.5
35°	4766.1	4767.9	4743.6	4814.5	4959.7	5023.7	4873.3	4731.5	4679.7	4669.3	4709.1
37.5°	5035.8	5020.2	4996.0	5027.2	5174.1	5215.6	5056.6	4935.5	4913.1	4932.1	4990.9
40°	5227.7	5201.8	5153.4	5175.8	5324.5	5372.9	5203.5	5089.4	5082.5	5129.2	5200.0
42.5°	5352.2	5324.5	5267.5	5267.5	5369.5	5390.2	5258.8	5198.3	5213.9	5267.5	5334.9
45°	5412.7	5397.1	5364.3	5347.0	5404.0	5412.7	5312.4	5288.2	5317.6	5343.5	5395.4
47.5°	5459.3	5459.3	5449.0	5431.7	5457.6	5462.8	5388.5	5381.6	5419.6	5419.6	5454.2
50°	5542.3	5551.0	5564.8	5561.3	5589.0	5606.3	5551.0	5540.6	5556.2	5506.0	5523.3
52.5°	5760.1	5782.6	5822.4	5853.5	5924.4	5978.0	5879.4	5796.4	5715.2	5604.6	5608.0
55°	6150.8	6161.2	6239.0	6330.6	6449.9	6558.8	6356.6	6099.0	5922.6	5793.0	5794.7
57.5°	6481.0	6496.6	6610.7	6802.6	7070.5	7239.9	6792.2	6361.7	6112.8	5953.8	5959.0
60°	6195.8	6175.0	6391.1	6719.6	7205.4	7421.5	6761.1	6173.3	5815.5	5618.4	5632.2
62.5°	4793.8	4754.0	4994.3	5338.3	5920.9	6137.0	5528.5	4964.9	4626.1	4472.2	4449.8
65°	2918.1	2881.8	3054.7	3265.6	3659.7	3796.3	3518.0	3218.9	2923.3	2829.9	2804.0
67.5°	1588.7	1583.5	1630.2	1733.9	1906.8	1970.8	1917.2	1775.4	1699.3	1633.7	1633.7
70°	1260.2	1249.9	1241.2	1243.0	1258.5	1267.2	1268.9	1262.0	1270.6	1272.3	1265.4
72.5°	1044.2	1040.7	1023.4	1025.1	1018.2	1014.8	1026.9	1033.8	1047.6	1049.3	1049.3
75°	757.2	748.5	757.2	758.9	752.0	752.0	760.6	758.9	765.8	769.3	750.3
77.5°	430.5	430.5	442.6	456.4	466.8	466.8	475.4	475.4	484.0	482.3	478.9
80°	236.8	236.8	243.8	252.4	262.8	273.1	281.8	283.5	288.7	287.0	281.8
82.5°	134.8	136.6	140.0	145.2	155.6	164.2	172.9	174.6	179.8	179.8	174.6
85°	64.0	62.2	64.0	67.4	72.6	79.5	88.2	93.4	96.8	96.8	93.4
87.5°	12.1	13.8	12.1	13.8	15.6	20.7	24.2	27.7	32.8	34.6	31.1
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)