

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: P635710

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635710  
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-SA3E-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**

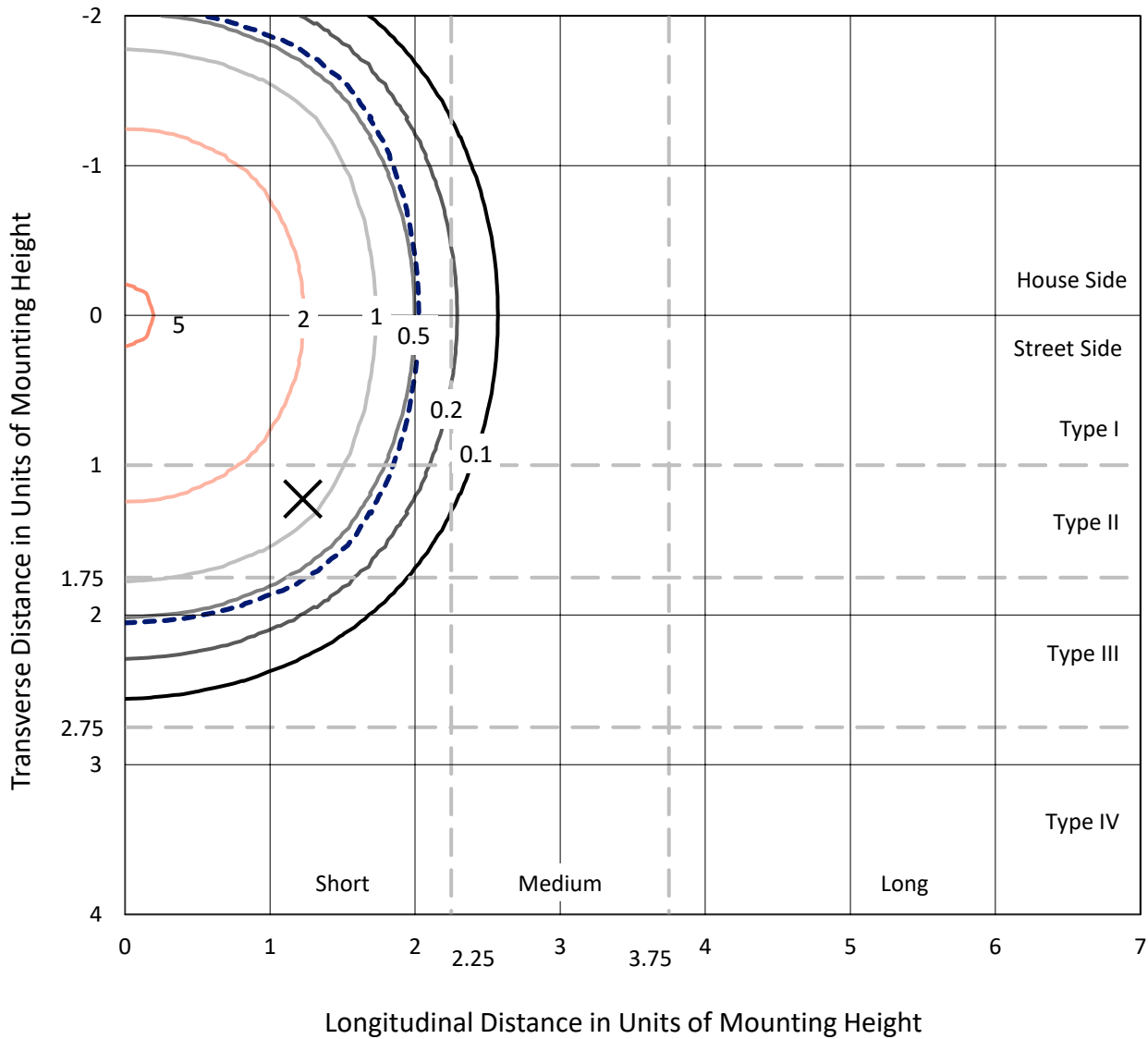
Lumens per Lamp: N/A  
Luminaire Lumens: 18318.3 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

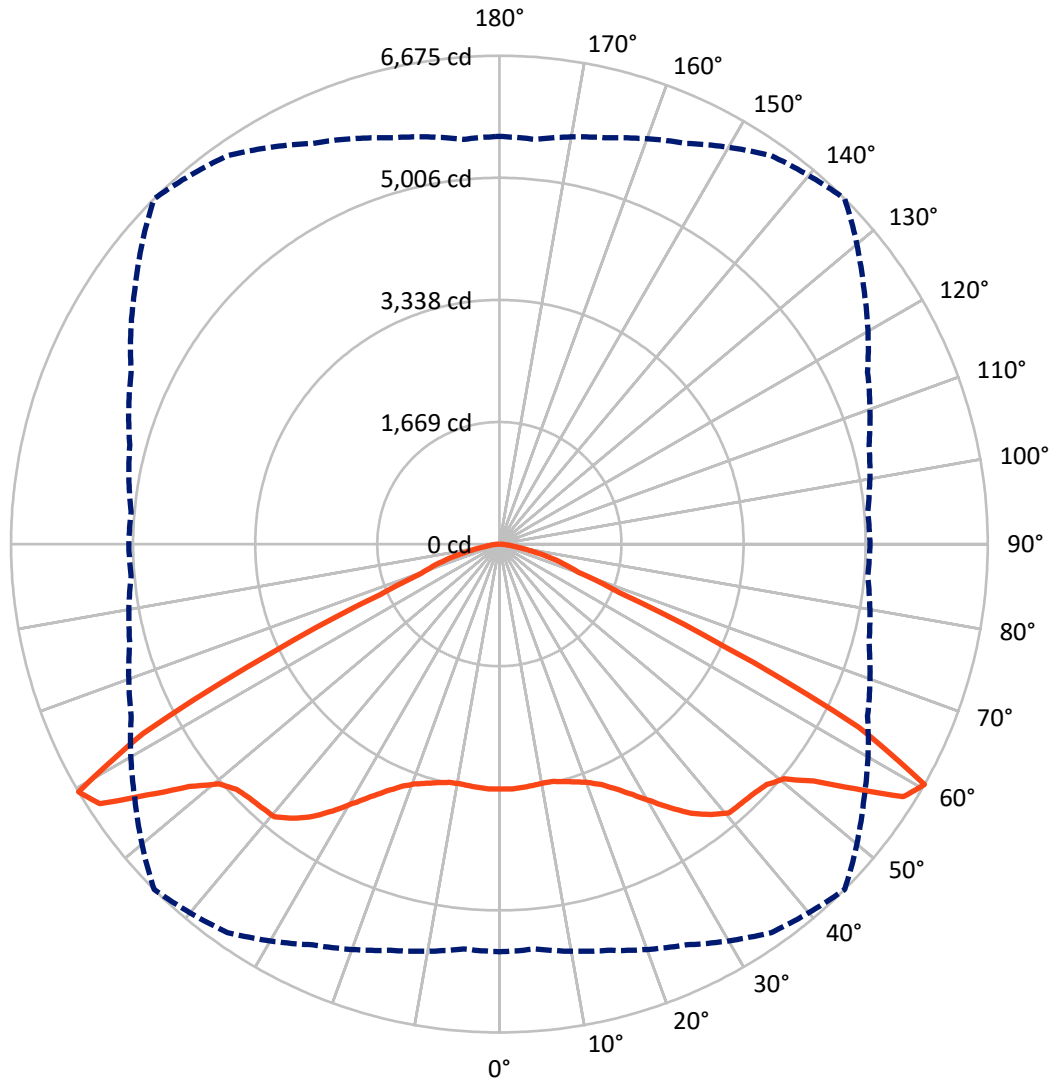
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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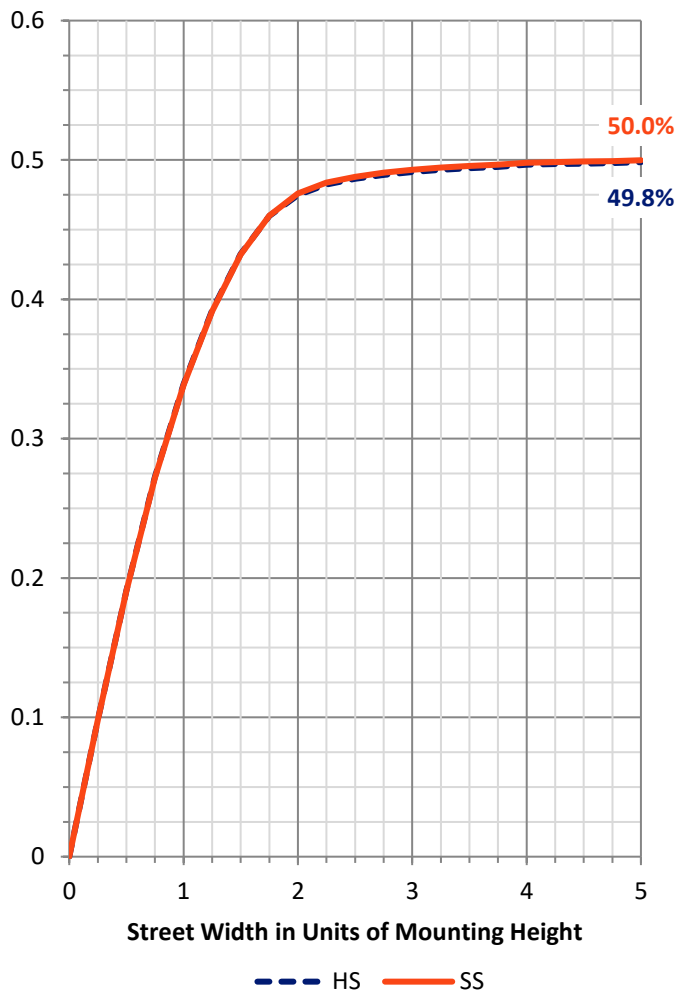
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9159.1	0.0	9159.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9159.1	0.0	9159.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18318.3	0.0	18318.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.5	1.7
10°-20°	954.9	5.2
20°-30°	1689.4	9.2
30°-40°	2720.0	14.8
40°-50°	3738.6	20.4
50°-60°	4982.0	27.2
60°-70°	3105.0	17.0
70°-80°	714.0	3.9
80°-90°	96.9	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°	18318.3	100.0
0°-180°	18318.3	100.0

**Coefficient of Utilization**



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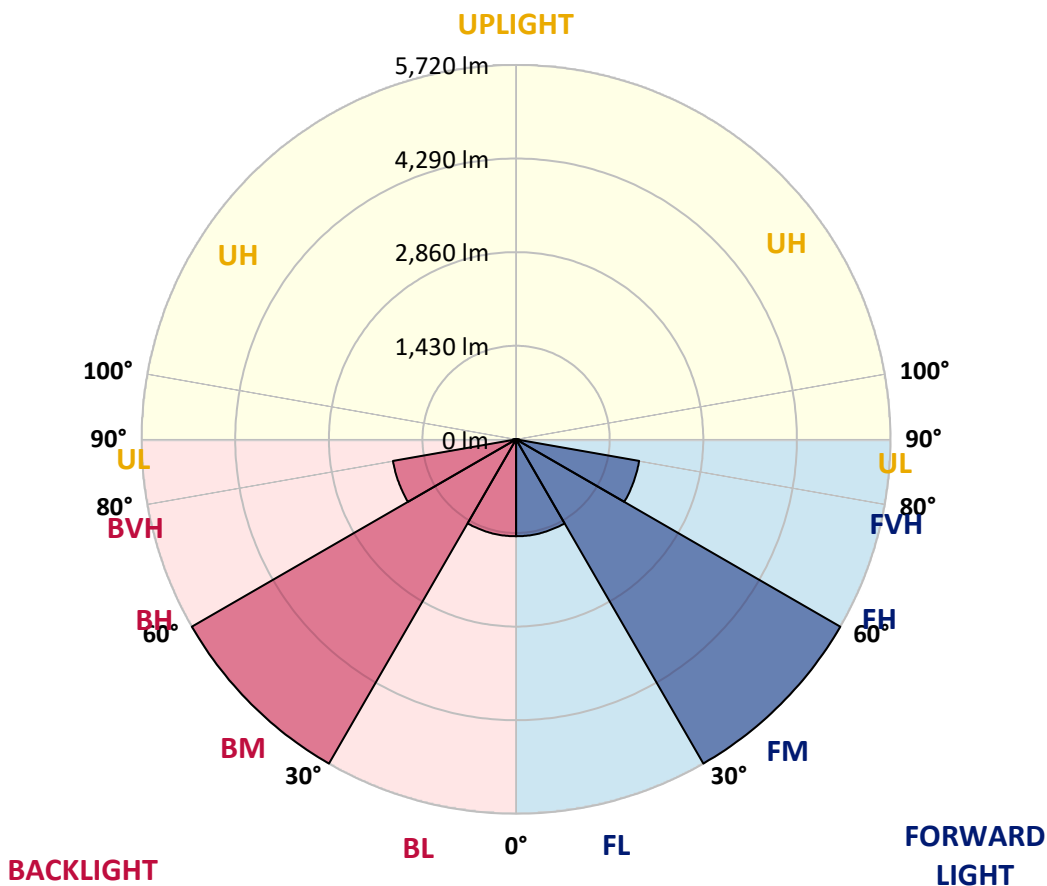
CATALOG NUMBER: GWS-SA3E-735-U-5WQ-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1480.9	8.1			
FM (30°-60°)	5720.3	31.2			
FH (60°-80°)	1909.5	10.4			G2/5000
FVH (80°-90°)	48.4	0.3			G1/100
BL (0°-30°)	1480.9	8.1	B3/2500		
BM (30°-60°)	5720.3	31.2	B4/8500		
BH (60°-80°)	1909.5	10.4	B3/2500		G2/5000
BVH (80°-90°)	48.4	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°	3347.6	3347.6	3347.6	3347.6	3347.6	3347.6	3347.6	3347.6	3347.6	3347.6	3347.6
2.5°	3324.3	3327.4	3333.6	3338.3	3344.5	3350.8	3353.9	3347.6	3344.5	3332.1	3346.1
5°	3327.4	3330.5	3335.2	3335.2	3336.8	3341.4	3341.4	3333.6	3325.9	3311.9	3327.4
7.5°	3322.8	3325.9	3327.4	3325.9	3327.4	3329.0	3325.9	3316.5	3308.8	3296.3	3308.8
10°	3315.0	3318.1	3321.2	3318.1	3315.0	3319.7	3319.7	3313.4	3308.8	3296.3	3310.3
12.5°	3332.1	3336.8	3338.3	3330.5	3327.4	3329.0	3329.0	3322.8	3322.8	3311.9	3327.4
15°	3372.5	3375.6	3371.0	3361.6	3363.2	3367.9	3357.0	3341.4	3338.3	3333.6	3346.1
17.5°	3403.6	3406.7	3402.1	3395.8	3406.7	3417.6	3397.4	3367.9	3358.5	3355.4	3369.4
20°	3437.8	3442.5	3436.3	3444.0	3465.8	3478.3	3453.4	3412.9	3394.3	3389.6	3406.7
22.5°	3493.8	3500.0	3500.0	3517.1	3549.8	3570.0	3538.9	3484.5	3456.5	3448.7	3465.8
25°	3582.4	3587.1	3591.8	3626.0	3678.8	3706.8	3657.1	3582.4	3543.6	3531.1	3540.4
27.5°	3705.3	3713.0	3720.8	3770.6	3835.9	3876.3	3804.8	3711.5	3663.3	3638.4	3657.1
30°	3851.4	3862.3	3881.0	3936.9	4028.7	4073.8	3982.0	3868.5	3814.1	3787.7	3812.6
32.5°	4050.4	4052.0	4066.0	4128.2	4249.5	4300.8	4185.7	4059.8	4003.8	3972.7	3986.7
35°	4286.8	4288.3	4266.6	4330.3	4460.9	4518.5	4383.2	4255.7	4209.0	4199.7	4235.5
37.5°	4529.3	4515.4	4493.6	4521.6	4653.7	4691.1	4548.0	4439.2	4419.0	4436.1	4488.9
40°	4701.9	4678.6	4635.1	4655.3	4789.0	4832.5	4680.2	4577.5	4571.3	4613.3	4677.1
42.5°	4813.9	4789.0	4737.7	4737.7	4829.4	4848.1	4729.9	4675.5	4689.5	4737.7	4798.3
45°	4868.3	4854.3	4824.8	4809.2	4860.5	4868.3	4778.1	4756.4	4782.8	4806.1	4852.8
47.5°	4910.3	4910.3	4901.0	4885.4	4908.7	4913.4	4846.5	4840.3	4874.5	4874.5	4905.6
50°	4984.9	4992.7	5005.1	5002.0	5026.9	5042.5	4992.7	4983.4	4997.4	4952.3	4967.8
52.5°	5180.8	5201.1	5236.8	5264.8	5328.6	5376.8	5288.1	5213.5	5140.4	5040.9	5044.0
55°	5532.2	5541.6	5611.5	5693.9	5801.2	5899.2	5717.3	5485.6	5327.0	5210.4	5211.9
57.5°	5829.2	5843.2	5945.8	6118.4	6359.4	6511.8	6109.1	5721.9	5498.0	5355.0	5359.6
60°	5572.7	5554.0	5748.4	6043.8	6480.7	6675.1	6081.1	5552.5	5230.6	5053.3	5065.8
62.5°	4311.7	4275.9	4492.0	4801.5	5325.4	5519.8	4972.5	4465.6	4160.8	4022.5	4002.2
65°	2624.6	2592.0	2747.5	2937.2	3291.7	3414.5	3164.2	2895.2	2629.3	2545.3	2522.0
67.5°	1428.9	1424.3	1466.2	1559.5	1715.0	1772.6	1724.4	1596.9	1528.4	1469.4	1469.4
70°	1133.5	1124.2	1116.4	1118.0	1131.9	1139.7	1141.3	1135.1	1142.8	1144.4	1138.2
72.5°	939.1	936.0	920.5	922.0	915.8	912.7	923.6	929.8	942.3	943.8	943.8
75°	681.0	673.3	681.0	682.6	676.4	676.4	684.1	682.6	688.8	691.9	674.8
77.5°	387.2	387.2	398.0	410.5	419.8	419.8	427.6	427.6	435.4	433.8	430.7
80°	213.0	213.0	219.2	227.0	236.3	245.7	253.4	255.0	259.7	258.1	253.4
82.5°	121.3	122.8	125.9	130.6	139.9	147.7	155.5	157.0	161.7	161.7	157.0
85°	57.5	56.0	57.5	60.6	65.3	71.5	79.3	84.0	87.1	87.1	84.0
87.5°	10.9	12.4	10.9	12.4	14.0	18.7	21.8	24.9	29.5	31.1	28.0
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)