

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P647969

Luminaire Tested: **GALN-SA6A-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647969  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-835-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18741.9 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

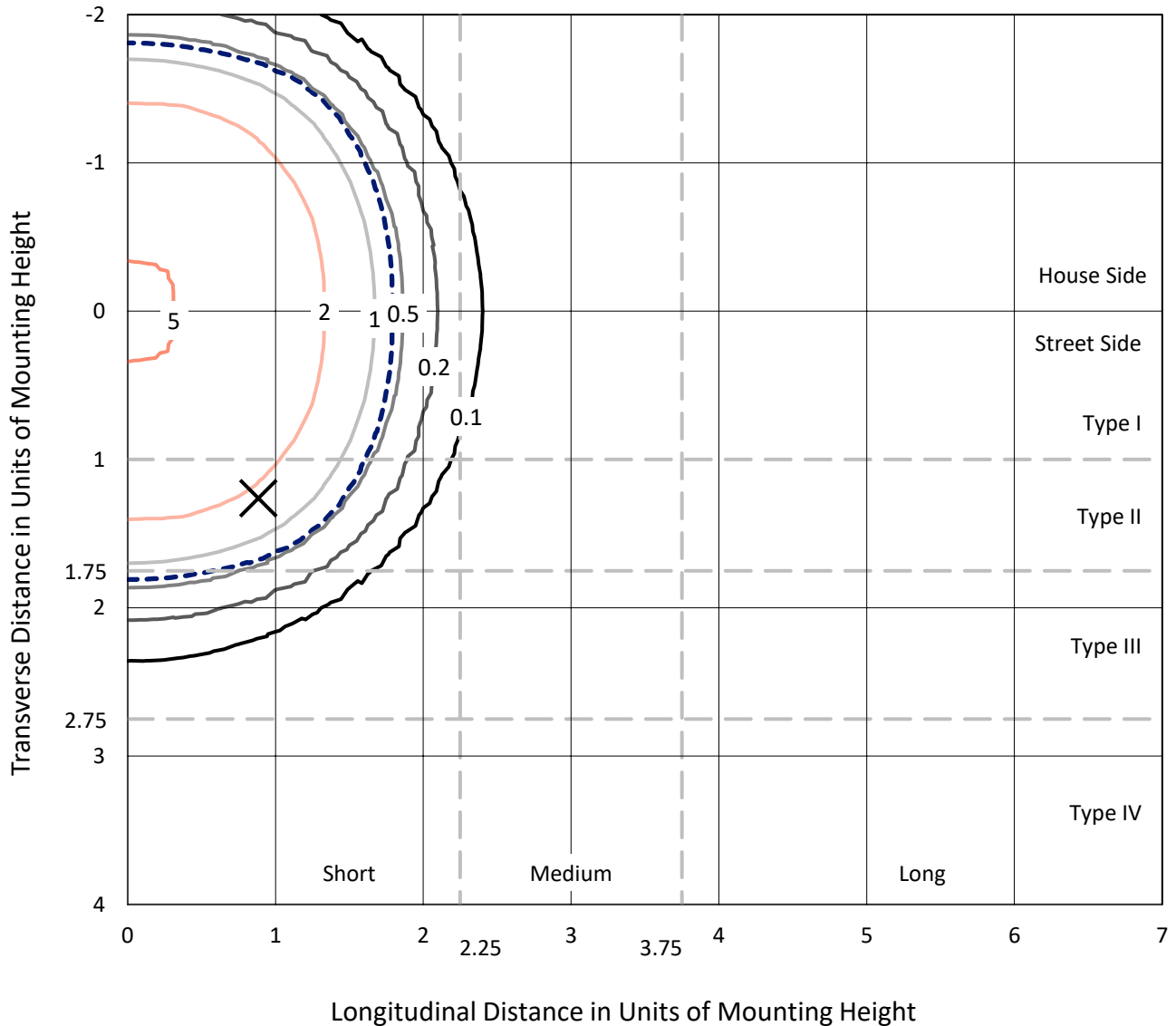
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

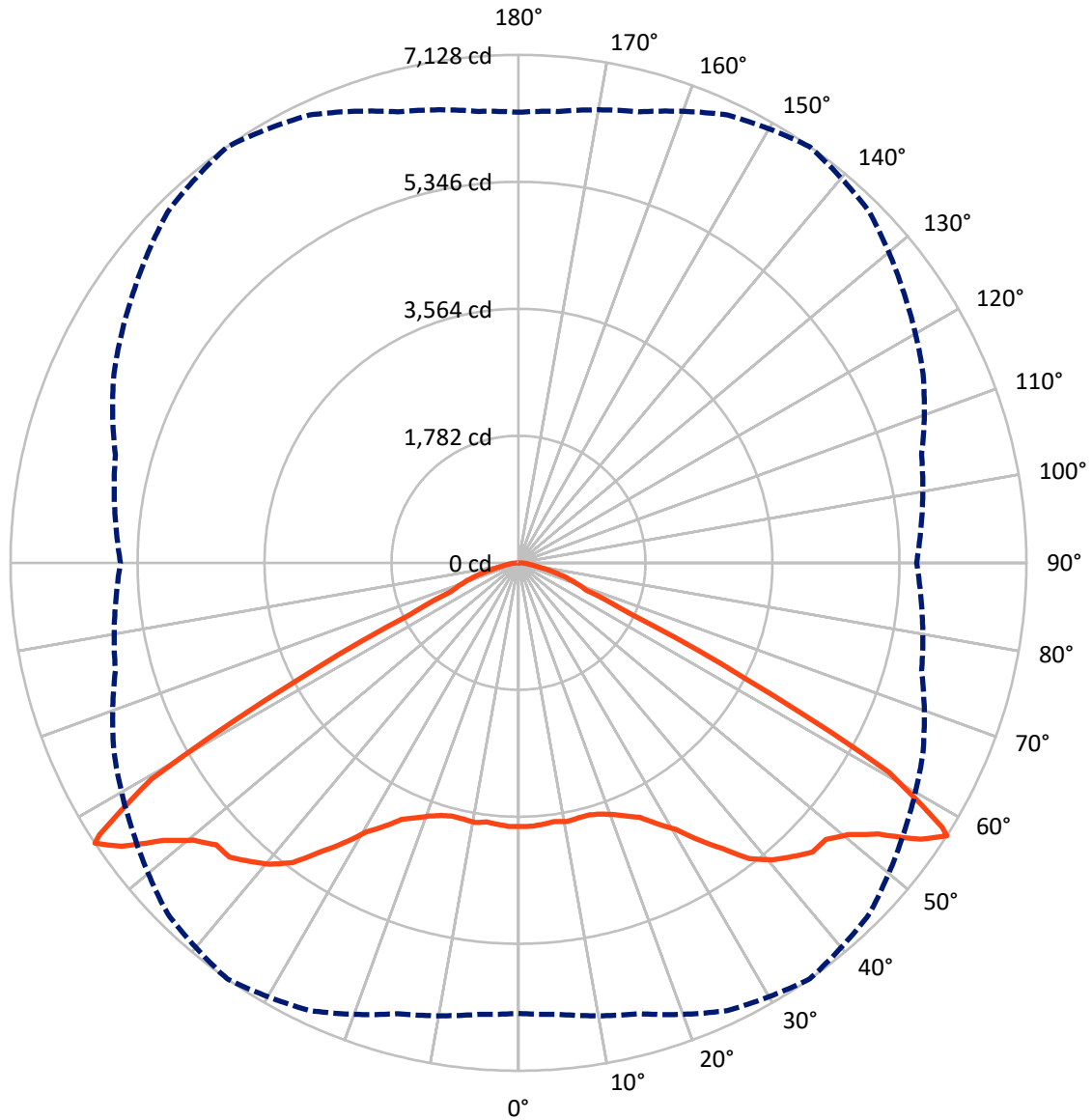
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9370.9	0.0	9370.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9370.9	0.0	9370.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18741.9	0.0	18741.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.9	1.9
10°-20°	1039.3	5.5
20°-30°	1815.1	9.7
30°-40°	2974.1	15.9
40°-50°	4360.7	23.3
50°-60°	5492.7	29.3
60°-70°	2065.7	11.0
70°-80°	549.3	2.9
80°-90°	94.2	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°	18741.9	100.0
0°-180°	18741.9	100.0

**Coefficient of Utilization**



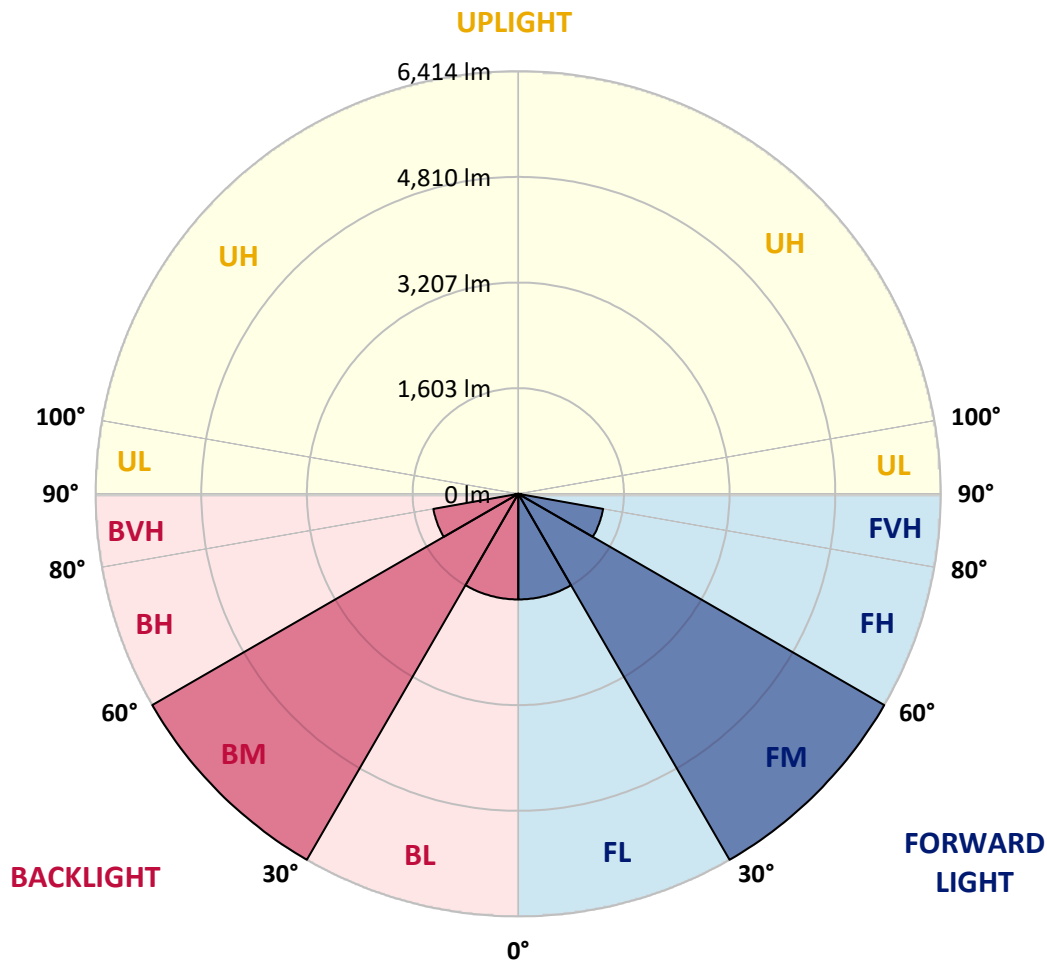
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1602.6	8.6			
FM (30°-60°)	6413.7	34.2			
FH (60°-80°)	1307.5	7.0			G1/1800
FVH (80°-90°)	47.1	0.3			G1/100
BL (0°-30°)	1602.6	8.6	B3/2500		
BM (30°-60°)	6413.7	34.2	B4/8500		
BH (60°-80°)	1307.5	7.0	B3/2500		G1/1800
BVH (80°-90°)	47.1	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4
2.5°	3682.9	3719.9	3703.7	3694.4	3701.4	3689.8	3671.3	3692.2	3687.5	3669.1	3662.2
5°	3673.7	3701.4	3682.9	3701.4	3682.9	3715.3	3706.0	3671.3	3712.9	3673.7	3687.5
7.5°	3666.7	3676.0	3680.6	3671.3	3664.4	3703.7	3682.9	3666.7	3643.7	3636.7	3648.3
10°	3650.6	3673.7	3639.1	3685.2	3694.4	3666.7	3666.7	3636.7	3618.2	3606.7	3646.0
12.5°	3692.2	3652.9	3648.3	3671.3	3678.3	3689.8	3657.5	3641.3	3606.7	3611.4	3604.4
15°	3643.7	3659.8	3662.2	3666.7	3673.7	3701.4	3671.3	3636.7	3622.9	3574.4	3579.0
17.5°	3662.2	3646.0	3662.2	3715.3	3706.0	3726.8	3694.4	3641.3	3609.0	3581.3	3618.2
20°	3694.4	3687.5	3694.4	3759.1	3770.7	3789.1	3761.5	3712.9	3650.6	3618.2	3636.7
22.5°	3729.1	3724.5	3729.1	3791.4	3858.4	3881.5	3853.8	3740.6	3708.3	3648.3	3627.5
25°	3791.4	3796.1	3844.5	3913.8	3957.7	4001.5	3950.8	3870.0	3766.1	3729.1	3685.2
27.5°	3930.0	3941.5	3969.3	4070.8	4147.0	4186.3	4114.7	4003.9	3939.2	3863.0	3851.5
30°	4100.9	4100.9	4149.4	4237.0	4341.0	4401.0	4313.3	4181.7	4103.2	4061.6	4036.2
32.5°	4327.2	4301.7	4320.2	4474.9	4636.5	4687.4	4569.6	4408.0	4283.2	4227.8	4209.4
35°	4521.1	4537.3	4578.8	4745.1	4925.1	5042.9	4858.2	4648.1	4521.1	4470.3	4461.1
37.5°	4772.8	4800.5	4821.2	5049.9	5266.9	5310.8	5133.0	4964.5	4809.7	4768.2	4745.1
40°	5128.3	5109.9	5116.8	5285.4	5481.6	5509.3	5333.9	5213.8	5086.8	5061.4	5061.4
42.5°	5421.6	5400.8	5423.9	5486.2	5636.3	5615.6	5518.6	5430.9	5377.7	5350.0	5377.7
45°	5599.4	5594.8	5636.3	5682.5	5788.7	5719.5	5643.3	5657.2	5606.4	5560.2	5557.8
47.5°	5793.3	5763.3	5814.2	5883.5	5802.6	5770.3	5765.7	5795.7	5779.5	5698.7	5673.3
50°	5888.0	5876.5	5957.3	6038.1	5994.3	5920.3	5936.5	5985.0	5777.2	5668.7	5606.4
52.5°	6142.0	6144.4	6299.1	6342.9	6324.4	6215.9	6250.5	6118.9	5874.2	5721.8	5728.7
55°	6541.5	6525.4	6698.5	6827.8	6848.6	6710.1	6543.8	6359.1	6052.0	5897.2	5851.1
57°	6322.2	6359.1	6550.7	6934.0	7128.0	6964.1	6601.6	6264.4	5855.7	5668.7	5585.5
57.5°	6028.9	6088.9	6421.5	6807.0	7010.2	6996.4	6530.0	6088.9	5724.1	5433.2	5440.1
60°	4417.2	4428.7	4728.9	5340.8	5975.8	5989.6	5421.6	4837.5	4431.1	4114.7	4158.6
62.5°	2329.8	2382.9	2503.0	2994.8	3544.4	3678.3	3334.2	3034.0	2683.1	2443.0	2466.1
65°	1233.0	1226.1	1283.8	1422.4	1692.5	1761.8	1715.6	1477.8	1355.4	1316.1	1318.5
67.5°	1002.1	1013.7	1006.7	1013.7	1032.2	1062.1	1055.2	1064.5	1071.4	1083.0	1080.6
70°	849.7	849.7	854.3	856.7	856.7	870.5	886.7	916.7	919.0	930.5	935.1
72.5°	669.6	665.0	671.9	688.1	690.4	702.0	725.1	743.5	750.4	750.4	736.6
75°	454.8	459.5	468.7	482.6	496.4	517.2	535.7	547.2	551.9	545.0	538.0
77.5°	256.3	260.9	267.9	288.6	304.8	323.3	344.1	355.6	367.1	369.4	355.6
80°	152.4	152.4	164.0	180.1	198.6	217.0	235.5	249.4	254.0	254.0	247.0
82.5°	92.4	94.7	103.9	120.0	136.2	147.8	164.0	175.5	184.7	182.4	177.8
85°	48.5	48.5	57.7	71.6	83.2	94.7	94.7	87.8	83.2	71.6	66.9
87.5°	16.1	13.9	18.5	18.5	16.1	18.5	18.5	20.7	20.7	20.7	20.7
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)