

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: P529834

Luminaire Tested: **GALN-SA5A-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529834  
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-SA5A-735-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 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: 18830 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

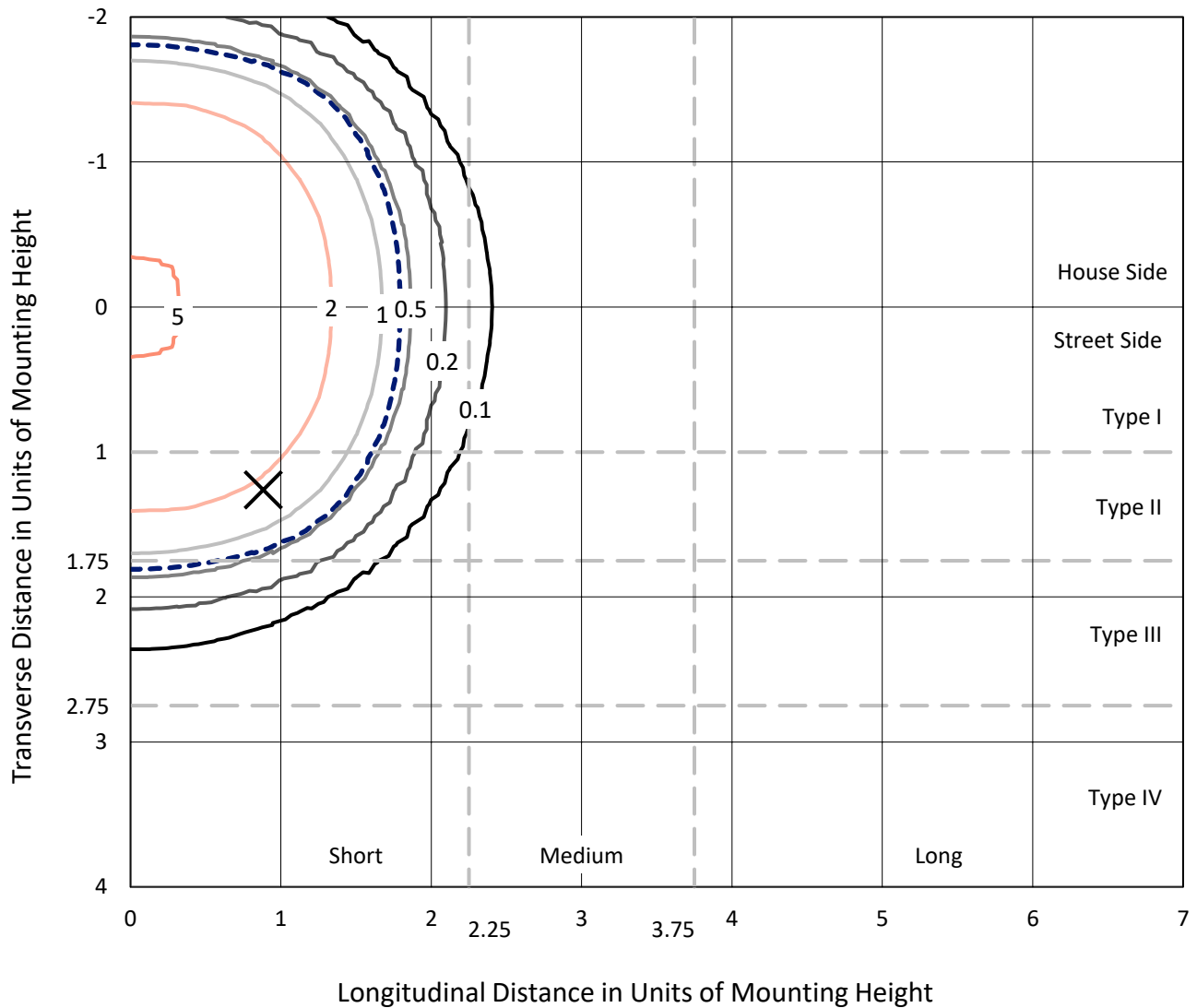
Input Watts (W): 154  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

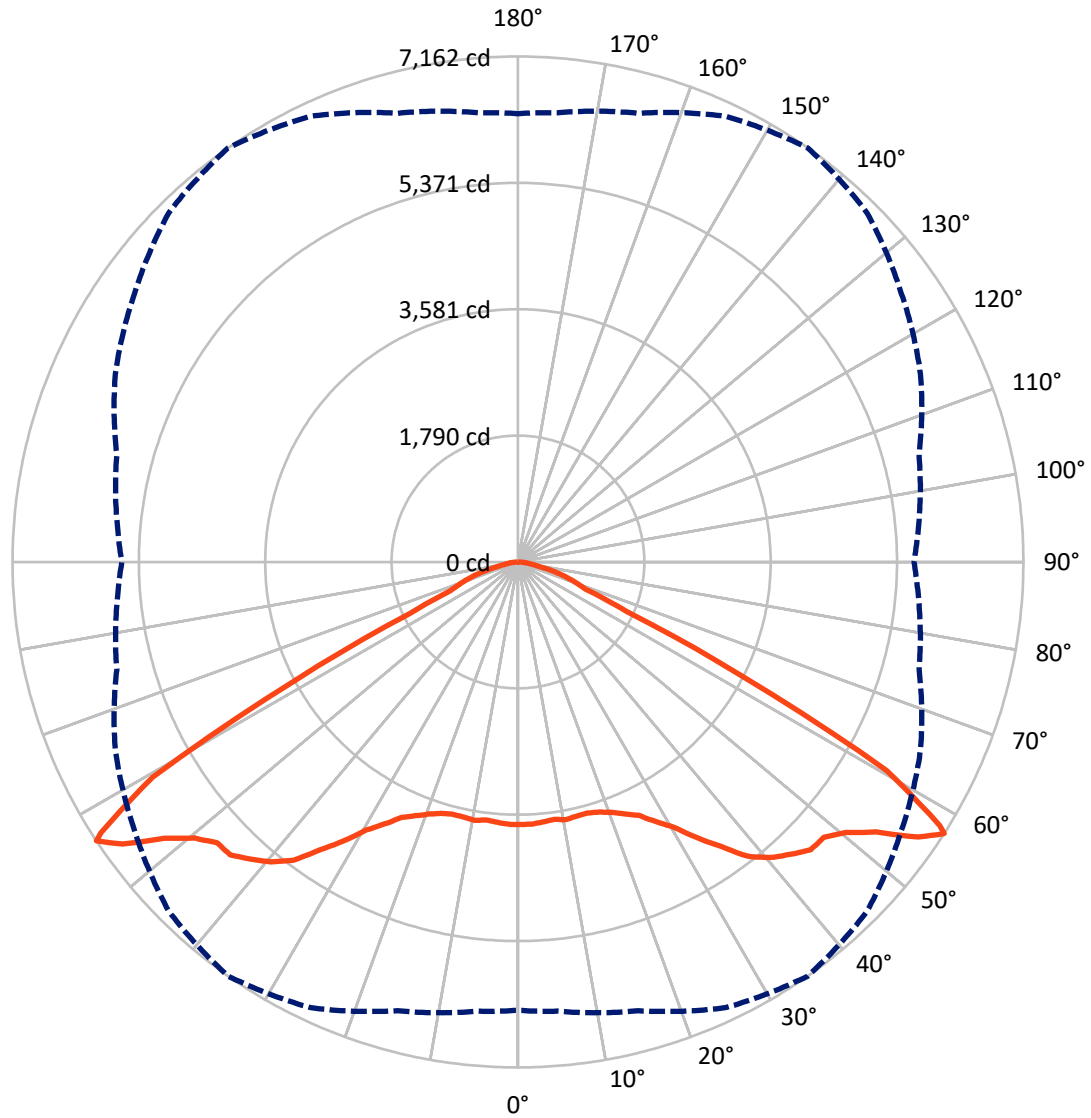
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	9415.0	0.0	9415.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9415.0	0.0	9415.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18830.0	0.0	18830.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.6	1.9
10°-20°	1044.2	5.5
20°-30°	1823.6	9.7
30°-40°	2988.1	15.9
40°-50°	4381.2	23.3
50°-60°	5518.5	29.3
60°-70°	2075.5	11.0
70°-80°	551.9	2.9
80°-90°	94.6	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°	18830.0	100.0
0°-180°	18830.0	100.0

**Coefficient of Utilization**



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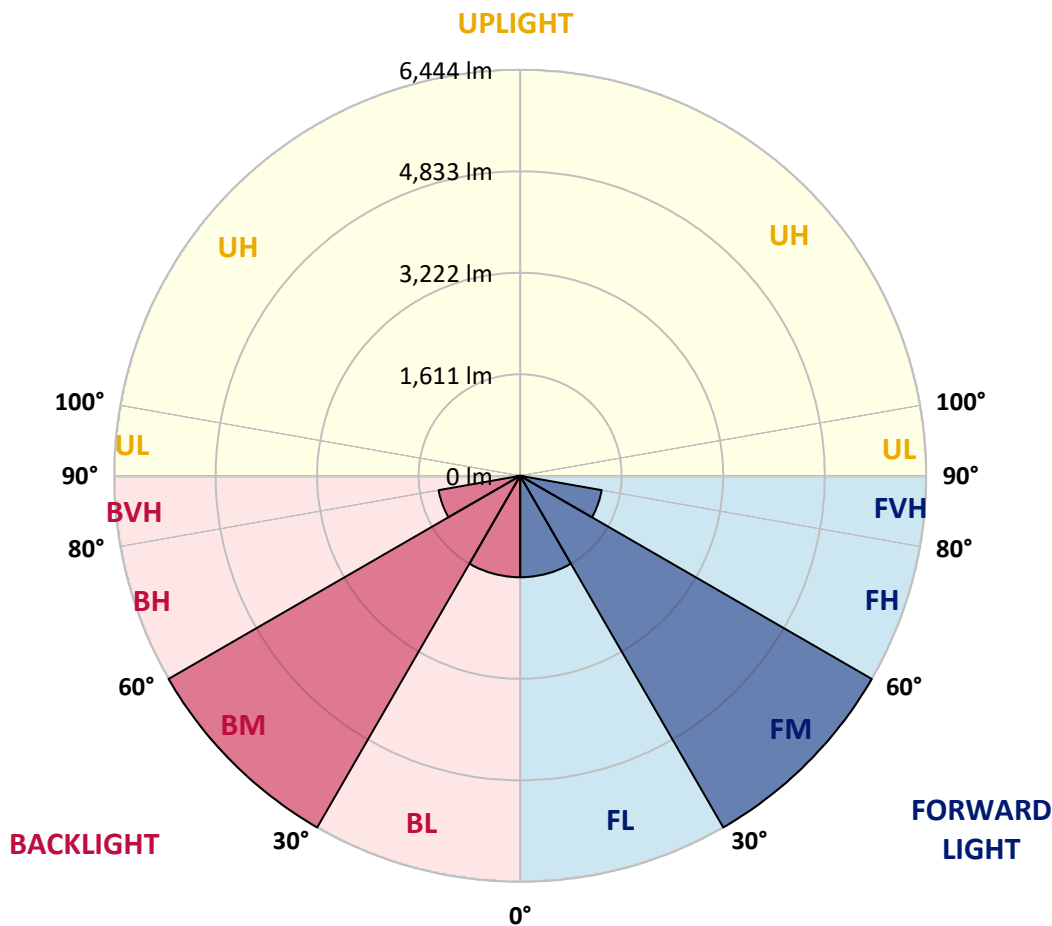
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1610.2	8.6			
FM (30°-60°)	6443.9	34.2			
FH (60°-80°)	1313.7	7.0			G1/1800
FVH (80°-90°)	47.3	0.3			G1/100
BL (0°-30°)	1610.2	8.6	B3/2500		
BM (30°-60°)	6443.9	34.2	B4/8500		
BH (60°-80°)	1313.7	7.0	B3/2500		G1/1800
BVH (80°-90°)	47.3	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°	3718.8	3718.8	3718.8	3718.8	3718.8	3718.8	3718.8	3718.8	3718.8	3718.8	3718.8
2.5°	3700.2	3737.3	3721.1	3711.8	3718.8	3707.2	3688.6	3709.5	3704.9	3686.3	3679.3
5°	3690.9	3718.8	3700.2	3718.8	3700.2	3732.7	3723.4	3688.6	3730.4	3690.9	3704.9
7.5°	3684.0	3693.3	3697.9	3688.6	3681.7	3721.1	3700.2	3684.0	3660.8	3653.8	3665.4
10°	3667.7	3690.9	3656.1	3702.5	3711.8	3684.0	3684.0	3653.8	3635.3	3623.7	3663.1
12.5°	3709.5	3670.1	3665.4	3688.6	3695.6	3707.2	3674.7	3658.5	3623.7	3628.3	3621.4
15°	3660.8	3677.0	3679.3	3684.0	3690.9	3718.8	3688.6	3653.8	3639.9	3591.2	3595.8
17.5°	3679.3	3663.1	3679.3	3732.7	3723.4	3744.3	3711.8	3658.5	3626.0	3598.2	3635.3
20°	3711.8	3704.9	3711.8	3776.8	3788.4	3806.9	3779.1	3730.4	3667.7	3635.3	3653.8
22.5°	3746.6	3742.0	3746.6	3809.3	3876.5	3899.7	3871.9	3758.2	3725.7	3665.4	3644.5
25°	3809.3	3813.9	3862.6	3932.2	3976.3	4020.4	3969.3	3888.1	3783.7	3746.6	3702.5
27.5°	3948.5	3960.1	3987.9	4090.0	4166.5	4206.0	4134.0	4022.7	3957.7	3881.2	3869.6
30°	4120.1	4120.1	4168.8	4257.0	4361.4	4421.7	4333.6	4201.3	4122.4	4080.7	4055.2
32.5°	4347.5	4322.0	4340.5	4495.9	4658.3	4709.4	4591.1	4428.7	4303.4	4247.7	4229.2
35°	4542.3	4558.6	4600.3	4767.4	4948.3	5066.6	4881.1	4669.9	4542.3	4491.3	4482.0
37.5°	4795.2	4823.1	4843.9	5073.6	5291.7	5335.8	5157.1	4987.8	4832.3	4790.6	4767.4
40°	5152.5	5133.9	5140.9	5310.2	5507.4	5535.3	5358.9	5238.3	5110.7	5085.2	5085.2
42.5°	5447.1	5426.2	5449.4	5512.1	5662.9	5642.0	5544.5	5456.4	5403.0	5375.2	5403.0
45°	5625.7	5621.1	5662.9	5709.3	5816.0	5746.4	5669.8	5683.7	5632.7	5586.3	5584.0
47.5°	5820.6	5790.4	5841.5	5911.1	5829.9	5797.4	5792.8	5822.9	5806.7	5725.5	5700.0
50°	5915.7	5904.1	5985.3	6066.5	6022.4	5948.2	5964.4	6013.2	5804.4	5695.3	5632.7
52.5°	6170.9	6173.2	6328.7	6372.7	6354.2	6245.1	6279.9	6147.7	5901.8	5748.7	5755.7
55°	6572.3	6556.0	6730.0	6859.9	6880.8	6741.6	6574.6	6389.0	6080.4	5925.0	5878.6
57°	6351.9	6389.0	6581.5	6966.6	7161.5	6996.8	6632.6	6293.9	5883.2	5695.3	5611.8
57.5°	6057.2	6117.6	6451.6	6839.0	7043.2	7029.3	6560.7	6117.6	5751.0	5458.7	5465.7
60°	4438.0	4449.6	4751.1	5365.9	6003.9	6017.8	5447.1	4860.2	4451.9	4134.0	4178.1
62.5°	2340.8	2394.1	2514.8	3008.9	3561.0	3695.6	3349.9	3048.3	2695.7	2454.4	2477.6
65°	1238.8	1231.9	1289.9	1429.1	1700.5	1770.1	1723.7	1484.7	1361.8	1322.3	1324.7
67.5°	1006.8	1018.4	1011.5	1018.4	1037.0	1067.2	1060.2	1069.5	1076.4	1088.0	1085.7
70°	853.7	853.7	858.4	860.7	860.7	874.6	890.8	921.0	923.3	934.9	939.6
72.5°	672.8	668.1	675.1	691.3	693.6	705.2	728.4	747.0	754.0	754.0	740.0
75°	457.0	461.7	470.9	484.9	498.8	519.7	538.2	549.8	554.5	547.5	540.5
77.5°	257.5	262.1	269.1	290.0	306.2	324.8	345.7	357.3	368.9	371.2	357.3
80°	153.1	153.1	164.7	181.0	199.5	218.1	236.6	250.5	255.2	255.2	248.2
82.5°	92.8	95.1	104.4	120.6	136.9	148.5	164.7	176.3	185.6	183.3	178.6
85°	48.7	48.7	58.0	71.9	83.5	95.1	95.1	88.2	83.5	71.9	67.3
87.5°	16.2	13.9	18.6	18.6	16.2	18.6	18.6	20.9	20.9	20.9	20.9
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)