

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: P531004

Luminaire Tested: **GALN-SA6B-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531004  
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-SA6B-735-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA 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: 27744 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

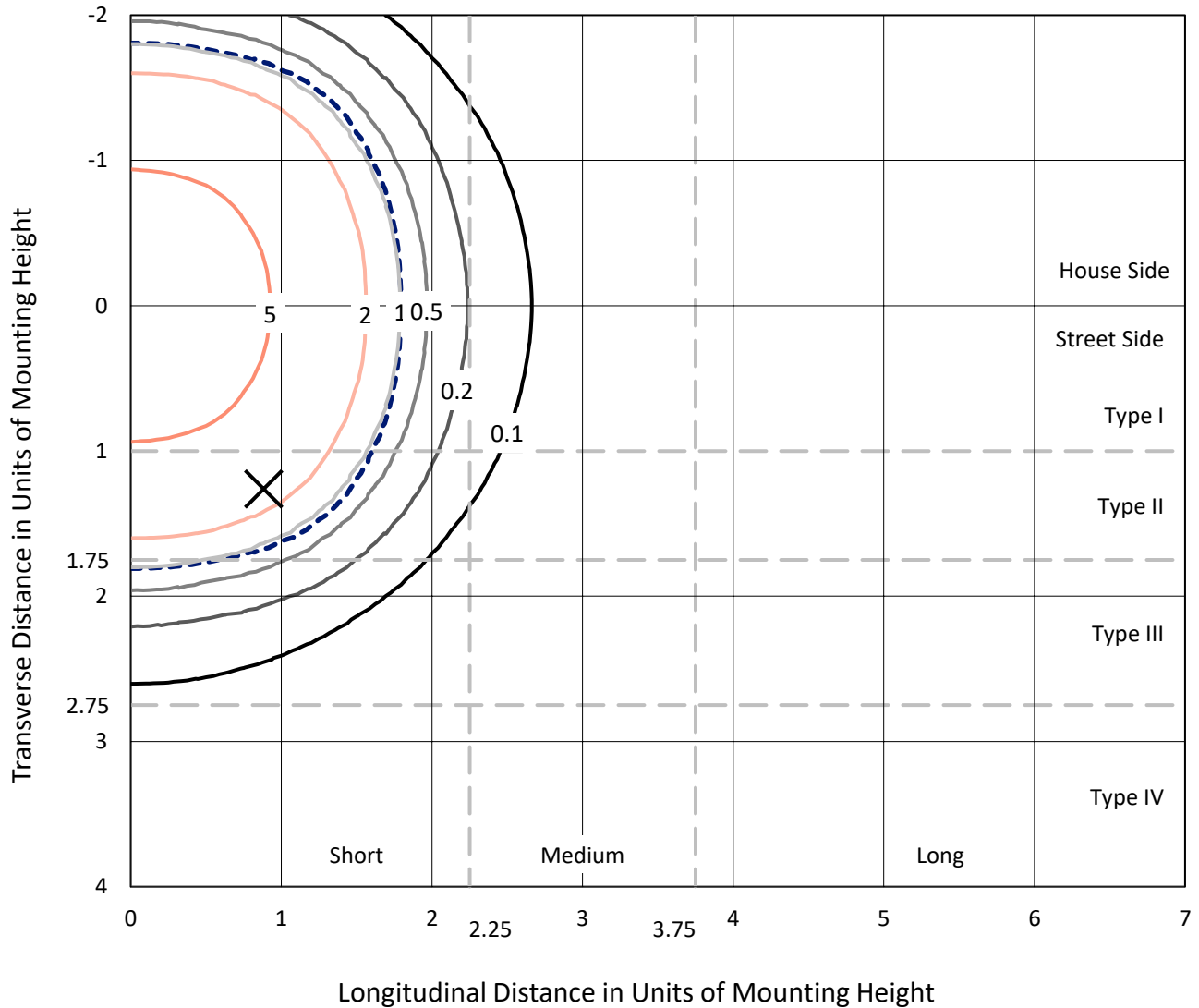
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

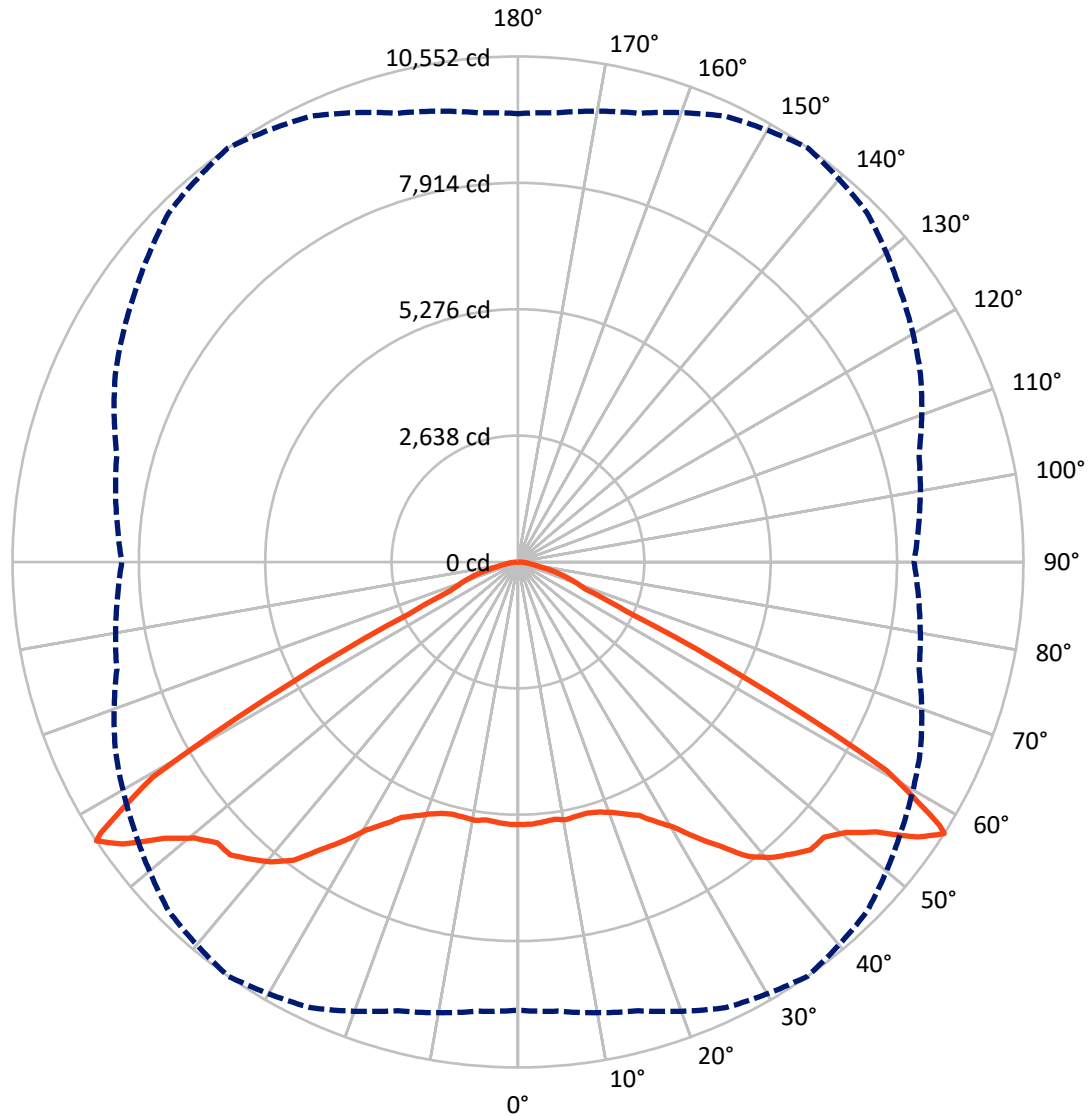
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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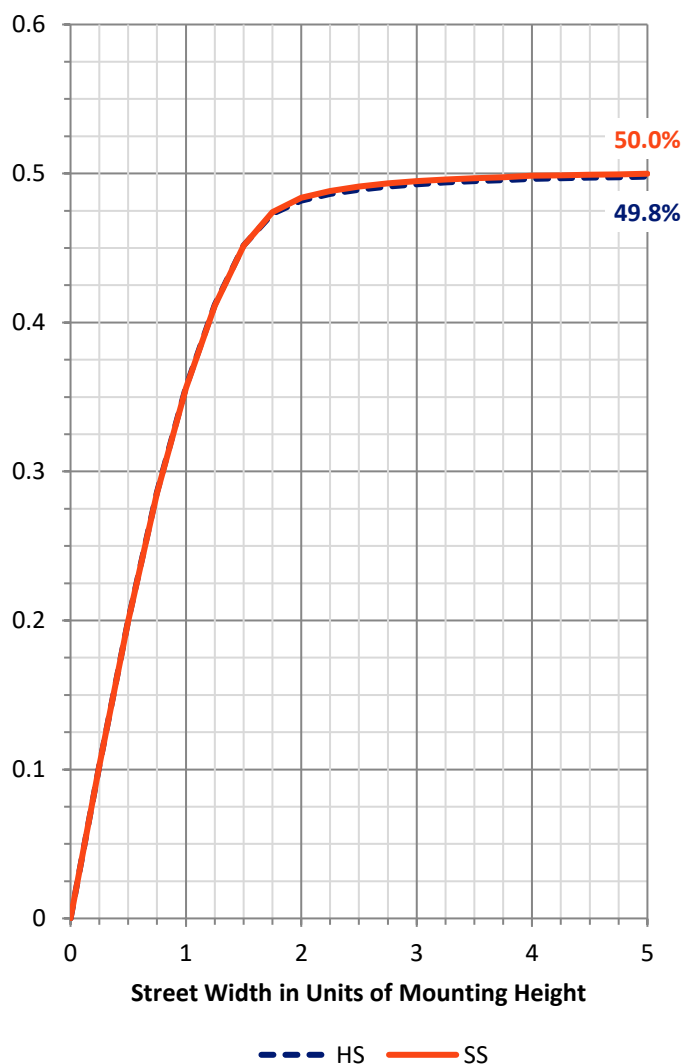
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13872.0	0.0	13872.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13872.0	0.0	13872.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27744.0	0.0	27744.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	519.4	1.9
10°-20°	1538.5	5.5
20°-30°	2686.9	9.7
30°-40°	4402.6	15.9
40°-50°	6455.2	23.3
50°-60°	8130.9	29.3
60°-70°	3058.0	11.0
70°-80°	813.1	2.9
80°-90°	139.4	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°	27744.0	100.0
0°-180°	27744.0	100.0

**Coefficient of Utilization**



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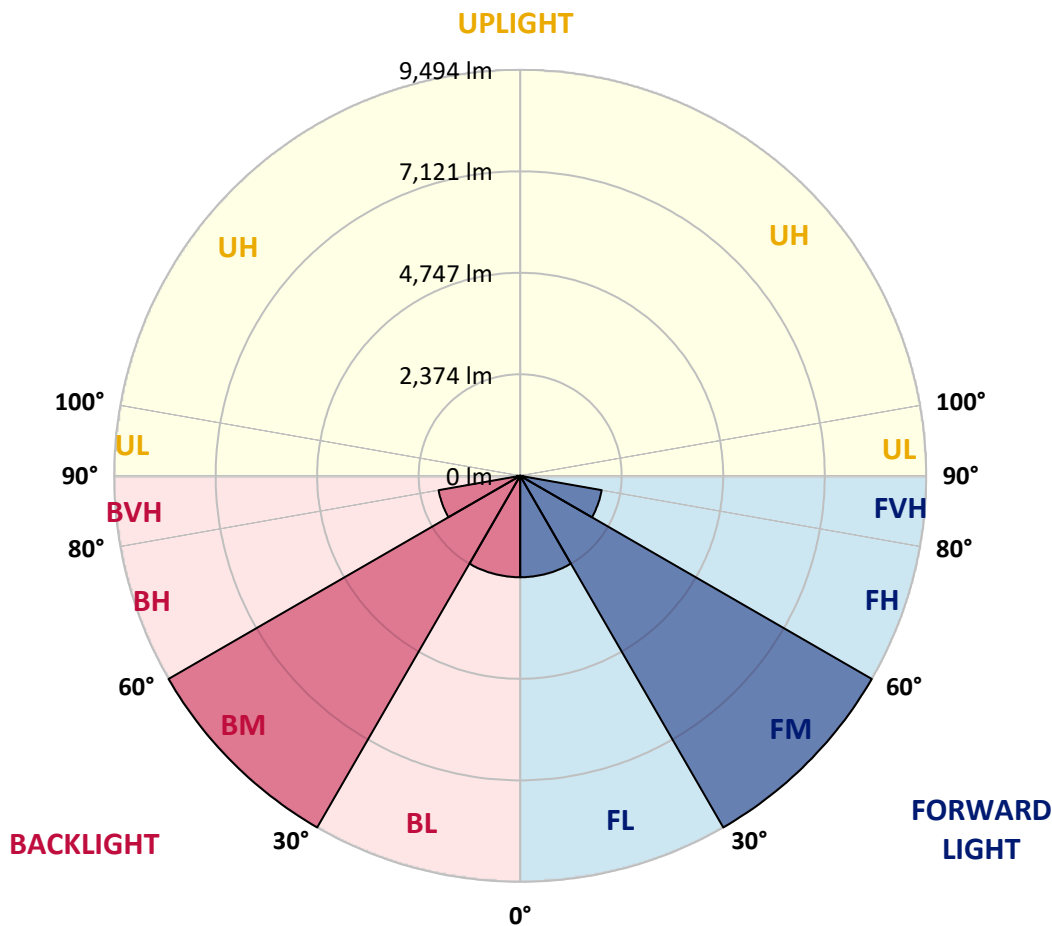
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2372.4	8.6			
FM (30°-60°)	9494.4	34.2			
FH (60°-80°)	1935.5	7.0			G2/5000
FVH (80°-90°)	69.7	0.3			G1/100
BL (0°-30°)	2372.4	8.6	B3/2500		
BM (30°-60°)	9494.4	34.2	B5		
BH (60°-80°)	1935.5	7.0	B3/2500		G2/5000
BVH (80°-90°)	69.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5479.2	5479.2	5479.2	5479.2	5479.2	5479.2	5479.2	5479.2	5479.2	5479.2	5479.2
2.5°	5451.9	5506.6	5482.7	5469.0	5479.2	5462.1	5434.8	5465.6	5458.7	5431.4	5421.1
5°	5438.2	5479.2	5451.9	5479.2	5451.9	5499.7	5486.1	5434.8	5496.3	5438.2	5458.7
7.5°	5428.0	5441.6	5448.5	5434.8	5424.5	5482.7	5451.9	5428.0	5393.8	5383.5	5400.6
10°	5404.0	5438.2	5386.9	5455.3	5469.0	5428.0	5428.0	5383.5	5356.2	5339.1	5397.2
12.5°	5465.6	5407.5	5400.6	5434.8	5445.1	5462.1	5414.3	5390.4	5339.1	5345.9	5335.7
15°	5393.8	5417.7	5421.1	5428.0	5438.2	5479.2	5434.8	5383.5	5363.0	5291.2	5298.1
17.5°	5421.1	5397.2	5421.1	5499.7	5486.1	5516.8	5469.0	5390.4	5342.5	5301.5	5356.2
20°	5469.0	5458.7	5469.0	5564.7	5581.8	5609.1	5568.1	5496.3	5404.0	5356.2	5383.5
22.5°	5520.3	5513.4	5520.3	5612.5	5711.7	5745.8	5704.8	5537.3	5489.5	5400.6	5369.9
25°	5612.5	5619.4	5691.2	5793.7	5858.6	5923.6	5848.4	5728.8	5574.9	5520.3	5455.3
27.5°	5817.6	5834.7	5875.7	6026.1	6138.9	6197.0	6091.1	5927.0	5831.3	5718.5	5701.4
30°	6070.6	6070.6	6142.3	6272.2	6426.1	6514.9	6385.0	6190.2	6074.0	6012.5	5974.9
32.5°	6405.5	6367.9	6395.3	6624.3	6863.6	6938.8	6764.4	6525.2	6340.6	6258.6	6231.2
35°	6692.7	6716.6	6778.1	7024.2	7290.8	7465.2	7191.7	6880.7	6692.7	6617.5	6603.8
37.5°	7065.2	7106.3	7137.0	7475.4	7796.7	7861.7	7598.5	7348.9	7119.9	7058.4	7024.2
40°	7591.6	7564.3	7574.5	7824.1	8114.6	8155.6	7895.8	7718.1	7530.1	7492.5	7492.5
42.5°	8025.7	7995.0	8029.1	8121.4	8343.6	8312.9	8169.3	8039.4	7960.8	7919.8	7960.8
45°	8288.9	8282.1	8343.6	8412.0	8569.2	8466.7	8353.9	8374.4	8299.2	8230.8	8227.4
47.5°	8576.0	8531.6	8606.8	8709.4	8589.7	8541.9	8535.0	8579.5	8555.5	8435.9	8398.3
50°	8716.2	8699.1	8818.7	8938.4	8873.4	8764.0	8788.0	8859.7	8552.1	8391.5	8299.2
52.5°	9092.2	9095.6	9324.6	9389.6	9362.2	9201.6	9252.8	9058.0	8695.7	8470.1	8480.3
55°	9683.5	9659.6	9915.9	10107.4	10138.1	9933.0	9686.9	9413.5	8958.9	8729.9	8661.5
57°	9358.8	9413.5	9697.2	10264.6	10551.7	10309.0	9772.4	9273.3	8668.3	8391.5	8268.4
57.5°	8924.7	9013.6	9505.8	10076.6	10377.4	10356.9	9666.4	9013.6	8473.5	8042.8	8053.1
60°	6538.9	6555.9	7000.3	7906.1	8846.1	8866.6	8025.7	7160.9	6559.4	6091.1	6156.0
62.5°	3448.9	3527.5	3705.2	4433.3	5246.8	5445.1	4935.8	4491.4	3971.8	3616.4	3650.5
65°	1825.3	1815.0	1900.5	2105.6	2505.5	2608.0	2539.7	2187.6	2006.4	1948.3	1951.7
67.5°	1483.5	1500.6	1490.3	1500.6	1527.9	1572.3	1562.1	1575.8	1586.0	1603.1	1599.7
70°	1257.9	1257.9	1264.7	1268.1	1268.1	1288.6	1312.6	1357.0	1360.4	1377.5	1384.3
72.5°	991.3	984.4	994.7	1018.6	1022.0	1039.1	1073.3	1100.6	1110.9	1110.9	1090.4
75°	673.4	680.2	693.9	714.4	734.9	765.7	793.0	810.1	816.9	806.7	796.4
77.5°	379.4	386.2	396.5	427.3	451.2	478.5	509.3	526.4	543.5	546.9	526.4
80°	225.6	225.6	242.7	266.6	294.0	321.3	348.6	369.2	376.0	376.0	365.7
82.5°	136.7	140.1	153.8	177.7	201.7	218.8	242.7	259.8	273.4	270.0	263.2
85°	71.8	71.8	85.5	106.0	123.1	140.1	140.1	129.9	123.1	106.0	99.1
87.5°	23.9	20.5	27.3	27.3	23.9	27.3	27.3	30.8	30.8	30.8	30.8
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)