

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: P531012

Luminaire Tested: **GALN-SA6B-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
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-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27542 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

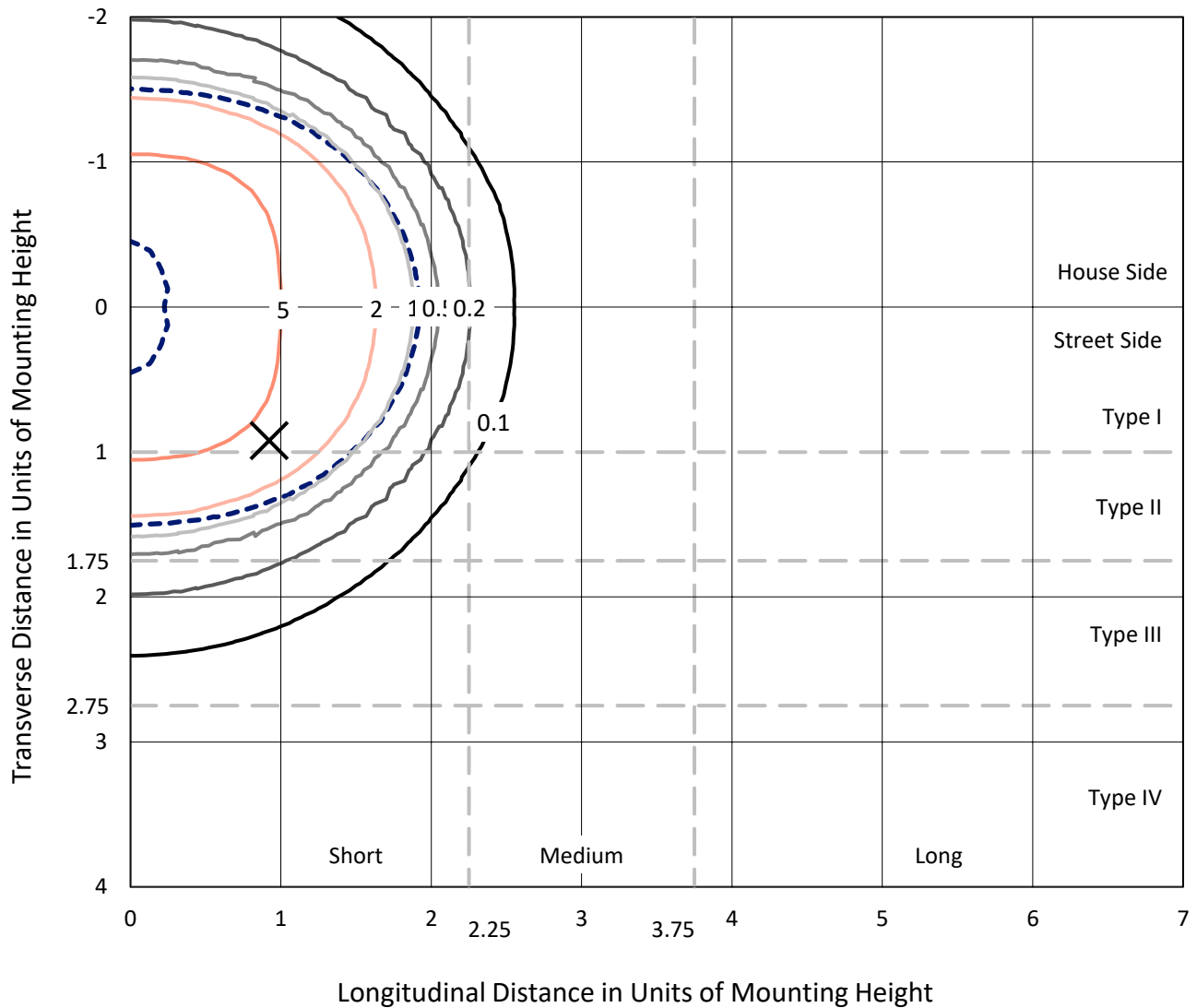
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

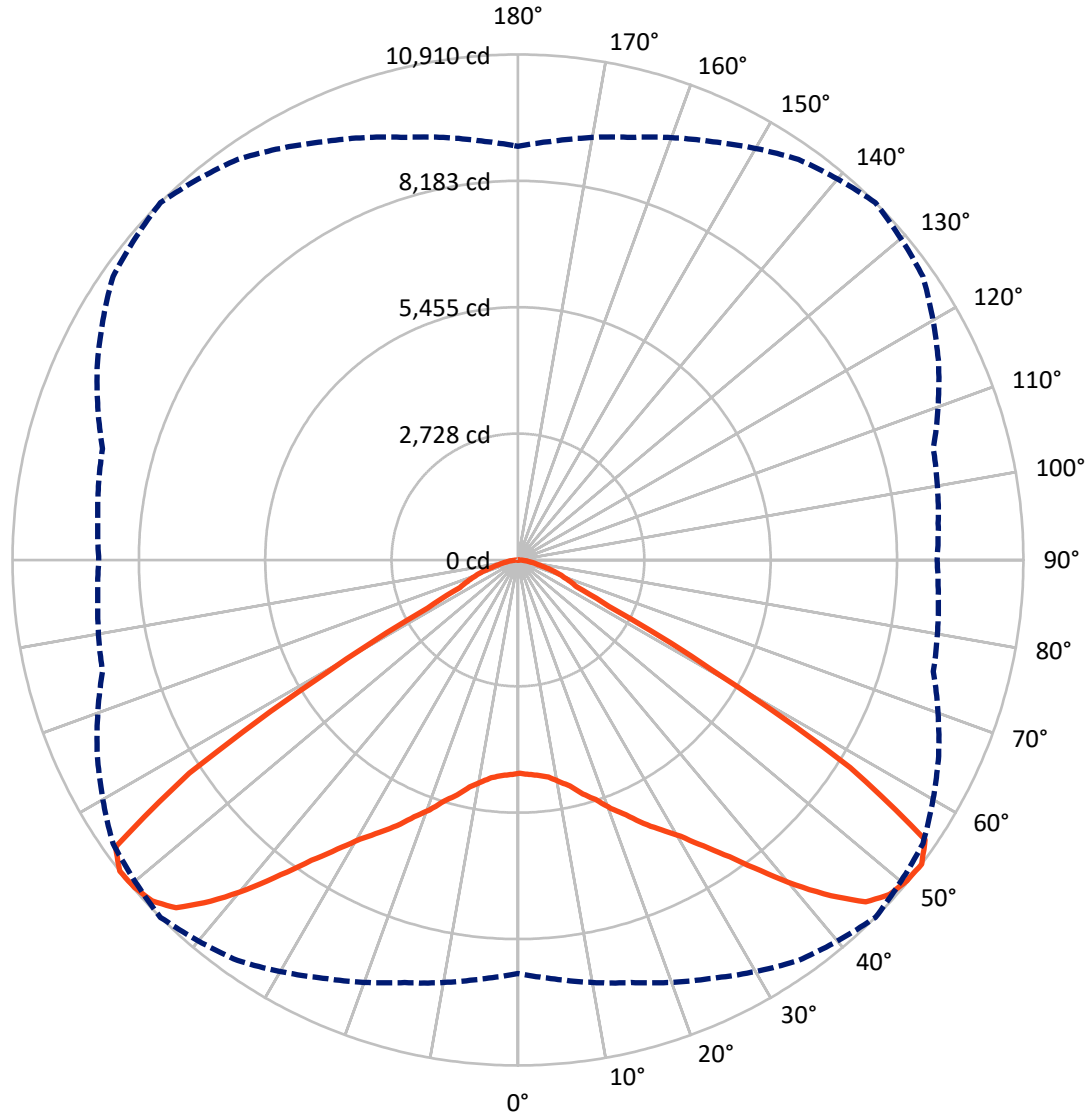
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13771.0	0.0	13771.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13771.0	0.0	13771.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27542.0	0.0	27542.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.3	1.6
10°-20°	1486.3	5.4
20°-30°	2829.8	10.3
30°-40°	4858.9	17.6
40°-50°	7468.2	27.1
50°-60°	7583.9	27.5
60°-70°	2113.5	7.7
70°-80°	623.5	2.3
80°-90°	125.6	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°	27542.0	100.0
0°-180°	27542.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P531012

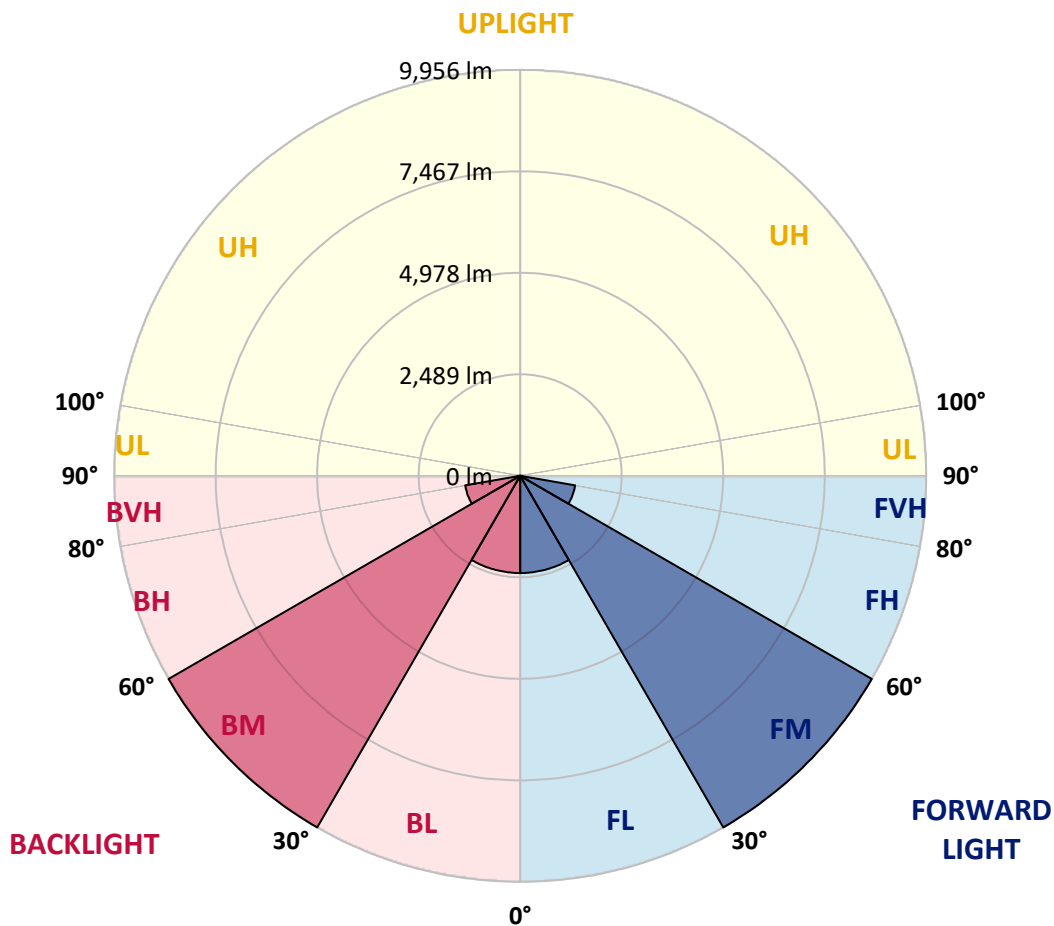
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2384.2	8.7			
FM (30°-60°)	9955.5	36.1			
FH (60°-80°)	1368.5	5.0			G1/1800
FVH (80°-90°)	62.8	0.2			G1/100
BL (0°-30°)	2384.2	8.7	B3/2500		
BM (30°-60°)	9955.5	36.1	B5		
BH (60°-80°)	1368.5	5.0	B3/2500		G1/1800
BVH (80°-90°)	62.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4604.0	4604.0	4604.0	4604.0	4604.0	4604.0	4604.0	4604.0	4604.0	4604.0	4604.0
2.5°	4614.3	4566.4	4583.5	4593.8	4638.2	4634.8	4624.5	4638.2	4651.9	4655.3	4648.4
5°	4610.8	4576.7	4590.3	4600.6	4645.0	4668.9	4662.1	4720.2	4761.2	4751.0	4802.3
7.5°	4583.5	4604.0	4586.9	4638.2	4675.8	4733.9	4795.4	4850.1	4901.4	4959.5	4969.7
10°	4645.0	4645.0	4675.8	4716.8	4815.9	4860.4	4949.2	5027.8	5127.0	5195.3	5168.0
12.5°	4710.0	4720.2	4720.2	4826.2	4908.2	5007.3	5089.4	5195.3	5335.5	5417.5	5458.5
15°	4774.9	4781.7	4815.9	4959.5	5082.5	5239.8	5314.9	5410.6	5489.3	5643.1	5646.5
17.5°	4833.0	4870.6	4973.1	5133.8	5287.6	5438.0	5557.6	5656.7	5725.1	5786.6	5773.0
20°	5051.8	5079.1	5185.1	5345.7	5574.7	5721.7	5762.7	5779.8	5824.2	5947.3	5909.7
22.5°	5263.7	5273.9	5373.1	5619.1	5779.8	5974.6	6019.0	6008.8	6025.9	6056.6	6111.3
25°	5482.4	5499.5	5636.2	5844.7	6070.3	6302.7	6340.3	6261.7	6237.8	6272.0	6275.4
27.5°	5762.7	5766.1	5940.4	6121.6	6377.9	6596.7	6654.8	6593.3	6480.5	6507.8	6552.3
30°	6118.2	6094.2	6268.6	6528.3	6798.3	6921.4	7020.5	6989.8	6866.7	6842.8	6805.2
32.5°	6528.3	6535.2	6692.4	6976.1	7153.8	7358.9	7464.9	7413.6	7335.0	7294.0	7317.9
35°	7106.0	7136.7	7242.7	7478.5	7765.6	7868.2	8035.7	7926.3	7721.2	7772.5	7816.9
37.5°	7581.1	7669.9	7868.2	8148.4	8319.3	8507.3	8568.9	8421.9	8271.5	8210.0	8356.9
40°	8309.1	8281.7	8500.5	8780.8	9033.7	9221.7	9143.1	8996.1	8623.5	8627.0	8668.0
42.5°	8934.6	8948.3	9115.7	9450.7	9795.9	9912.1	9662.6	9303.7	8890.1	8845.7	8934.6
45°	9460.9	9515.6	9611.3	10059.1	10397.5	10523.9	10062.5	9638.7	9085.0	8900.4	9047.4
47.5°	9648.9	9737.8	9946.3	10356.5	10691.4	10794.0	10424.8	9816.4	9266.1	8965.3	9044.0
50°	9676.3	9645.5	9987.3	10363.3	10657.2	10879.4	10554.7	9946.3	9221.7	9064.5	9040.5
52.5°	8927.7	9078.1	9443.9	9960.0	10554.7	10910.2	10670.9	10018.1	9283.2	9105.5	9047.4
55°	7225.6	7047.9	7714.4	8582.5	9676.3	10664.1	10629.9	10055.7	9320.8	9173.8	9095.2
57.5°	4033.2	4084.5	4460.5	5403.8	6815.4	8456.1	9450.7	9659.2	9303.7	9218.3	9259.3
60°	1866.2	1883.3	2043.9	2484.9	3359.9	4795.4	6104.5	7434.1	8045.9	8169.0	8169.0
62.5°	1391.1	1384.3	1425.3	1503.9	1688.5	2204.6	2942.9	3999.0	4839.8	5427.7	5581.5
65°	1257.8	1254.4	1274.9	1302.2	1315.9	1387.7	1551.8	1876.5	2149.9	2307.1	2279.8
67.5°	1100.6	1097.2	1104.0	1121.1	1145.0	1182.6	1223.6	1292.0	1387.7	1380.9	1363.8
70°	888.7	888.7	898.9	912.6	939.9	984.4	1032.2	1080.1	1162.1	1179.2	1175.8
72.5°	656.3	646.0	666.5	693.8	721.2	775.9	827.1	871.6	929.7	946.8	939.9
75°	417.0	423.8	437.5	468.3	516.1	553.7	608.4	646.0	683.6	697.3	700.7
77.5°	232.4	239.3	263.2	300.8	348.6	389.6	437.5	468.3	492.2	495.6	499.0
80°	140.1	143.6	167.5	201.7	242.7	287.1	324.7	355.5	376.0	365.7	362.3
82.5°	85.4	88.9	109.4	140.1	174.3	208.5	249.5	276.9	297.4	283.7	270.0
85°	44.4	47.9	64.9	85.4	112.8	129.9	129.9	116.2	112.8	106.0	102.5
87.5°	13.7	13.7	17.1	20.5	17.1	20.5	23.9	27.3	27.3	30.8	27.3
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)