

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: P648137

Luminaire Tested: **GALN-SA9A-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648137  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9A-835-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29238.8 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

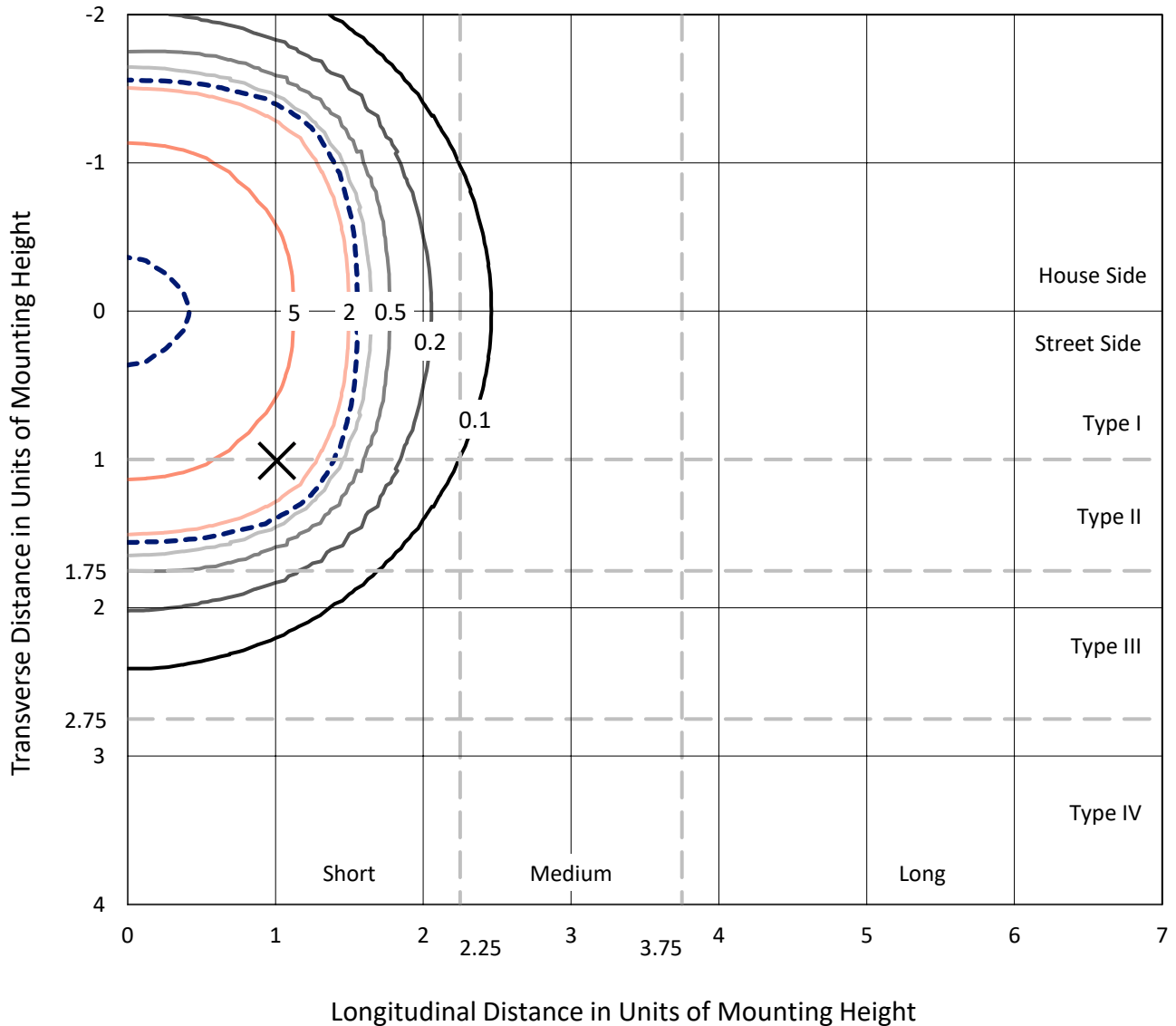
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P648137  
 CATALOG NUMBER: GALN-SA9A-835-U-5NQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

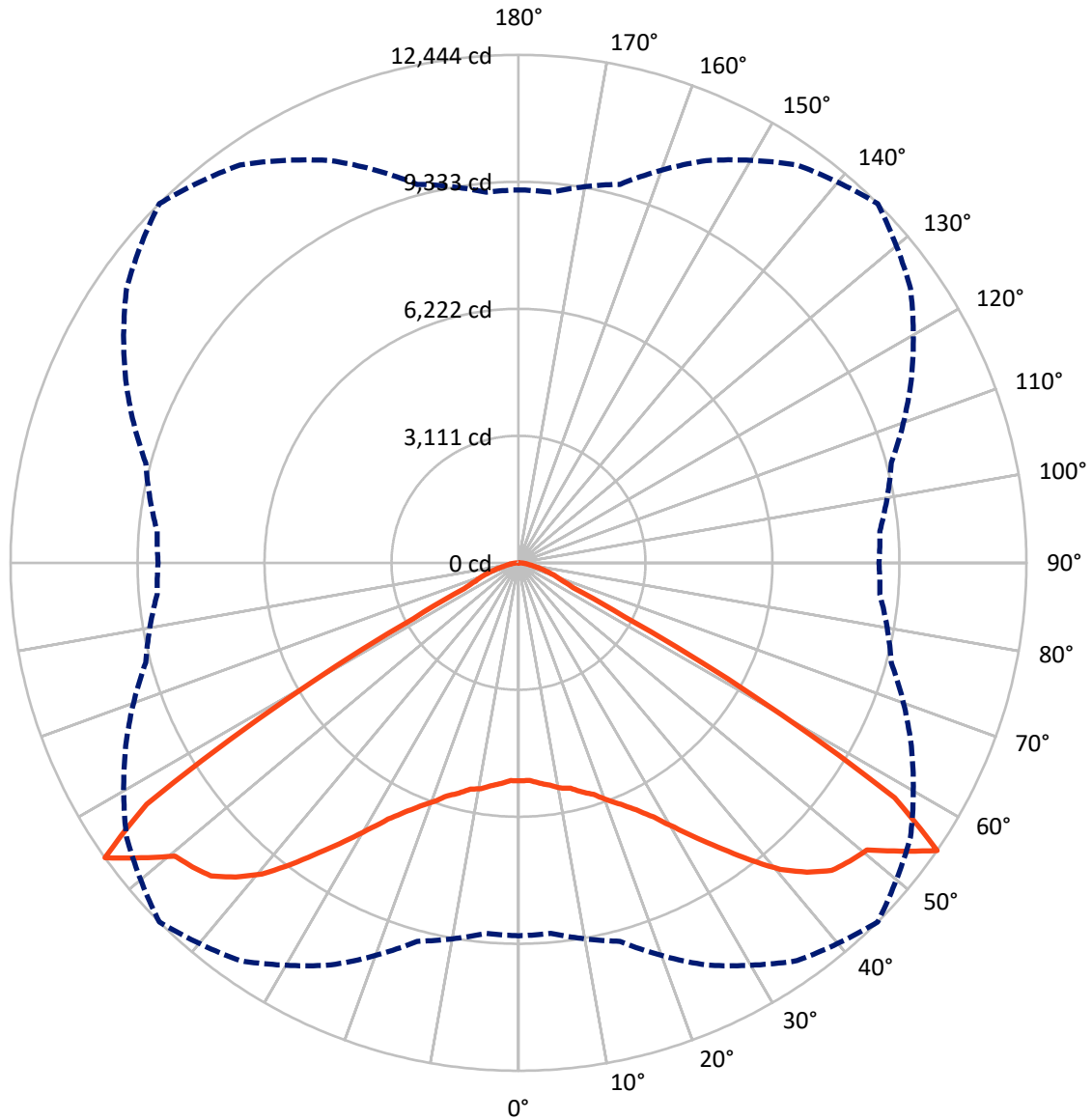
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P648137  
CATALOG NUMBER: GALN-SA9A-835-U-5NQ-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P648137  
 CATALOG NUMBER: GALN-SA9A-835-U-5NQ-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14619.4	0.0	14619.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14619.4	0.0	14619.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29238.8	0.0	29238.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	521.5	1.8
10°-20°	1652.5	5.7
20°-30°	3081.3	10.5
30°-40°	5159.1	17.6
40°-50°	8028.0	27.5
50°-60°	8335.6	28.5
60°-70°	1767.7	6.0
70°-80°	582.2	2.0
80°-90°	110.9	0.4
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°	29238.8	100.0
0°-180°	29238.8	100.0

**Coefficient of Utilization**

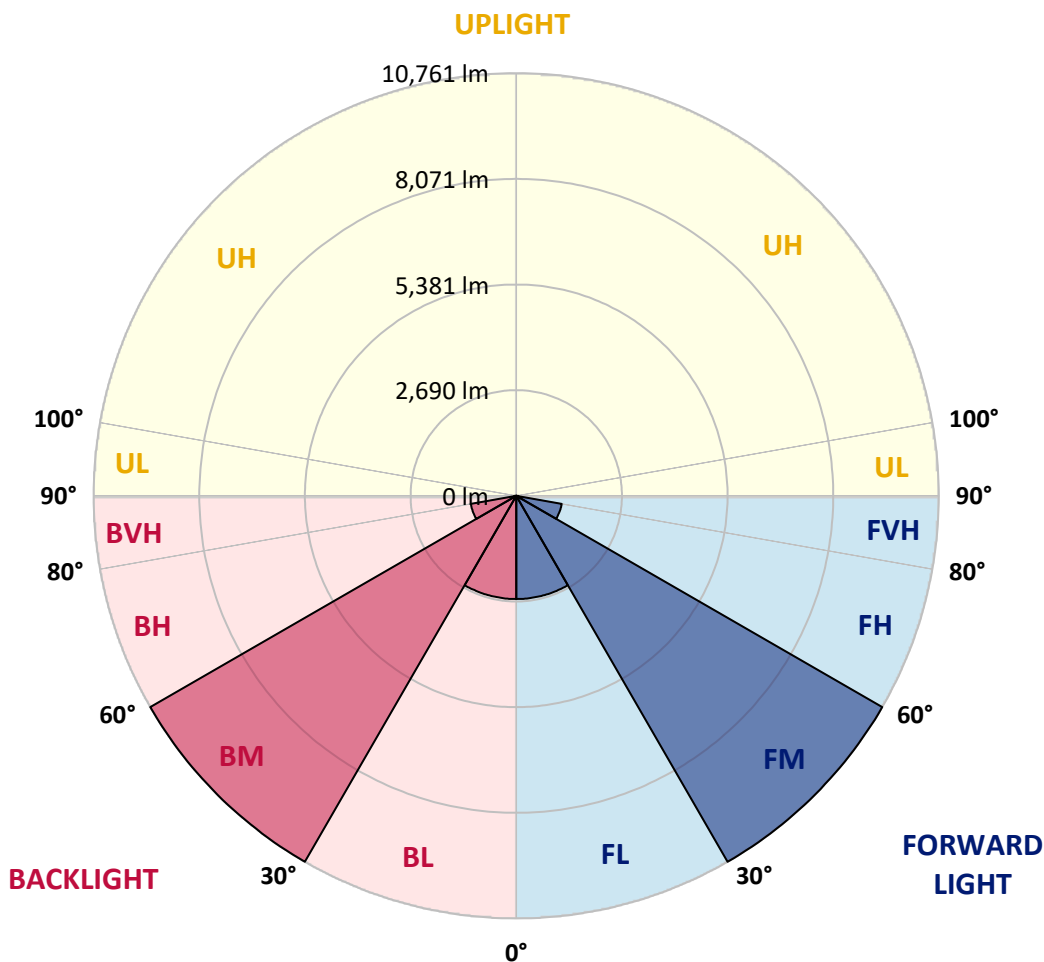


REPORT NUMBER: P648137  
 CATALOG NUMBER: GALN-SA9A-835-U-5NQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2627.7	9.0			
FM (30°-60°)	10761.4	36.8			
FH (60°-80°)	1174.9	4.0			G1/1800
FVH (80°-90°)	55.4	0.2			G1/100
BL (0°-30°)	2627.7	9.0	B4/5000		
BM (30°-60°)	10761.4	36.8	B5		
BH (60°-80°)	1174.9	4.0	B3/2500		G1/1800
BVH (80°-90°)	55.4	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





REPORT NUMBER: P648137

CATALOG NUMBER: GALN-SA9A-835-U-5NQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5338.6	5338.6	5338.6	5338.6	5338.6	5338.6	5338.6	5338.6	5338.6	5338.6	5338.6
2.5°	5402.2	5377.4	5335.0	5366.8	5391.6	5338.6	5359.8	5370.4	5363.3	5335.0	5345.6
5°	5479.9	5465.7	5430.4	5455.2	5423.4	5423.4	5402.2	5373.9	5416.3	5409.2	5426.9
7.5°	5479.9	5462.2	5532.9	5487.0	5501.1	5501.1	5465.7	5437.5	5458.7	5426.9	5409.2
10°	5589.4	5614.2	5582.3	5593.0	5585.9	5610.6	5557.7	5540.0	5522.3	5511.7	5490.5
12.5°	5720.1	5702.5	5713.1	5706.0	5730.8	5667.1	5635.3	5596.5	5628.3	5582.3	5614.2
15°	5826.1	5815.6	5826.1	5854.4	5829.7	5826.1	5769.6	5730.8	5681.3	5691.9	5642.5
17.5°	5971.0	5960.4	5964.0	5988.7	5985.1	5967.5	5925.0	5850.9	5833.2	5804.9	5773.1
20°	6186.5	6168.9	6161.8	6172.4	6190.1	6204.2	6119.4	6091.1	6031.1	5985.1	5932.2
22.5°	6370.3	6363.2	6391.5	6345.5	6384.3	6426.8	6345.5	6331.3	6183.0	6158.2	6101.8
25°	6624.6	6614.0	6596.4	6663.5	6709.4	6705.9	6628.2	6550.4	6437.4	6409.1	6409.1
27.5°	6893.1	6833.1	6924.9	6942.6	7023.9	7048.6	6981.5	6868.4	6762.5	6702.3	6716.5
30°	7228.8	7172.3	7193.5	7320.7	7426.7	7518.5	7348.9	7182.9	7034.5	6928.5	6910.8
32.5°	7564.4	7507.9	7571.5	7695.2	7907.1	8044.9	7878.9	7589.1	7416.0	7260.6	7292.4
35°	7836.5	7878.9	7981.4	8168.6	8387.7	8610.3	8345.3	8122.7	7875.3	7702.2	7727.0
37.5°	8274.6	8405.3	8486.6	8702.1	9013.0	9242.7	8967.1	8677.4	8412.4	8186.3	8108.5
40°	8847.0	8935.3	9027.1	9281.5	9649.0	9878.6	9617.2	9239.2	8977.7	8744.5	8733.9
42.5°	9475.9	9560.7	9656.0	9967.0	10186.0	10359.2	10118.9	9917.5	9627.8	9444.1	9433.5
45°	10207.2	10147.1	10253.2	10458.1	10641.8	10754.9	10599.4	10500.5	10292.0	10122.5	10104.8
47.5°	10694.8	10641.8	10832.6	11016.3	11044.6	10920.9	10952.7	11044.6	10825.5	10546.4	10634.7
50°	10977.4	10977.4	11104.7	11274.3	11221.3	11062.2	11313.1	11320.1	11101.1	10853.8	10853.8
52.5°	10486.3	10595.9	10956.3	11511.0	11687.6	11733.6	11677.0	11436.7	10864.4	10359.2	10334.4
55°	9136.7	9111.9	9599.5	10871.5	11899.6	12443.7	11722.9	10617.1	9454.6	8885.8	8829.3
57.5°	5942.7	5971.0	6698.8	7995.4	9850.4	10864.4	9649.0	8094.4	6698.8	5914.5	5988.7
60°	2674.6	2769.9	3211.6	4179.7	5773.1	6599.9	5787.3	4391.7	3370.6	2925.4	2964.3
62.5°	1537.0	1554.6	1572.3	1865.5	2459.1	2907.7	2554.5	1971.5	1738.3	1660.6	1660.6
65°	1296.6	1286.1	1289.6	1314.3	1377.9	1469.8	1430.9	1377.9	1385.0	1377.9	1367.4
67.5°	1102.3	1116.5	1105.9	1123.5	1127.1	1141.2	1166.0	1187.1	1190.6	1197.8	1190.6
70°	904.4	908.0	915.1	929.2	932.7	943.4	978.7	996.4	1006.9	1006.9	1021.1
72.5°	692.5	689.0	696.0	710.2	727.8	731.3	763.2	787.9	802.0	784.3	787.9
75°	455.8	459.3	469.9	480.5	505.3	529.9	540.6	565.3	568.8	575.9	558.2
77.5°	272.0	279.1	289.7	310.9	332.1	353.3	378.0	395.7	402.8	395.7	374.5
80°	176.6	176.6	190.8	208.4	233.2	250.9	265.0	279.1	289.7	279.1	272.0
82.5°	109.5	109.5	127.2	148.4	166.1	176.6	197.9	215.6	226.1	219.1	208.4
85°	56.5	60.1	74.2	91.8	106.0	113.1	109.5	98.9	88.3	84.8	77.8
87.5°	17.7	17.7	21.2	21.2	17.7	17.7	21.2	17.7	21.2	21.2	21.2
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)