

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: P532650

Luminaire Tested: **GALN-SA8A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532650  
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-SA8A-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3500K, 615mA 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: 30143 lumens  
Efficiency: N/A  
Efficacy: 123.5 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

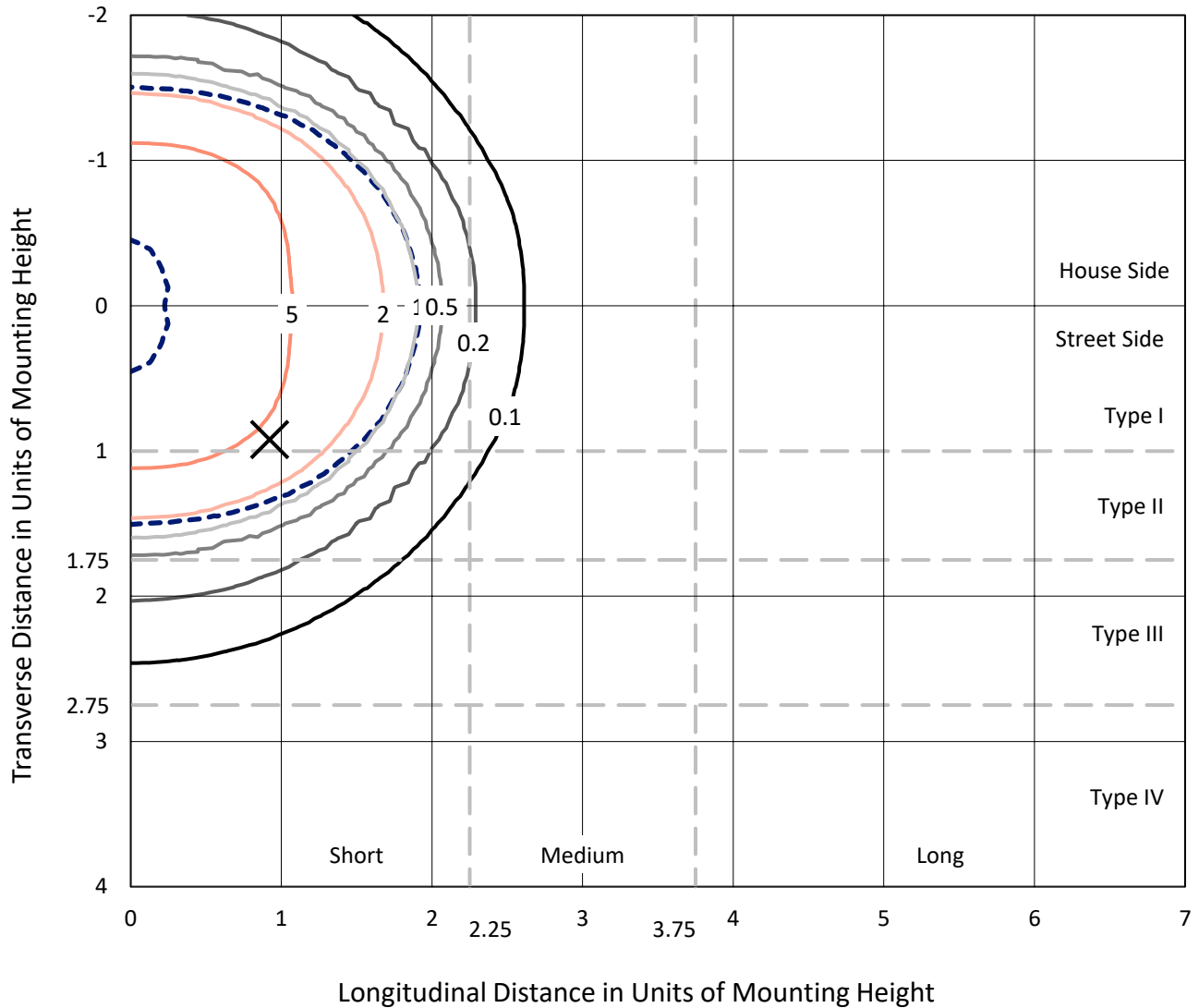
Input Watts (W): 244  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P532650  
 CATALOG NUMBER: GALN-SA8A-735-U-RW-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

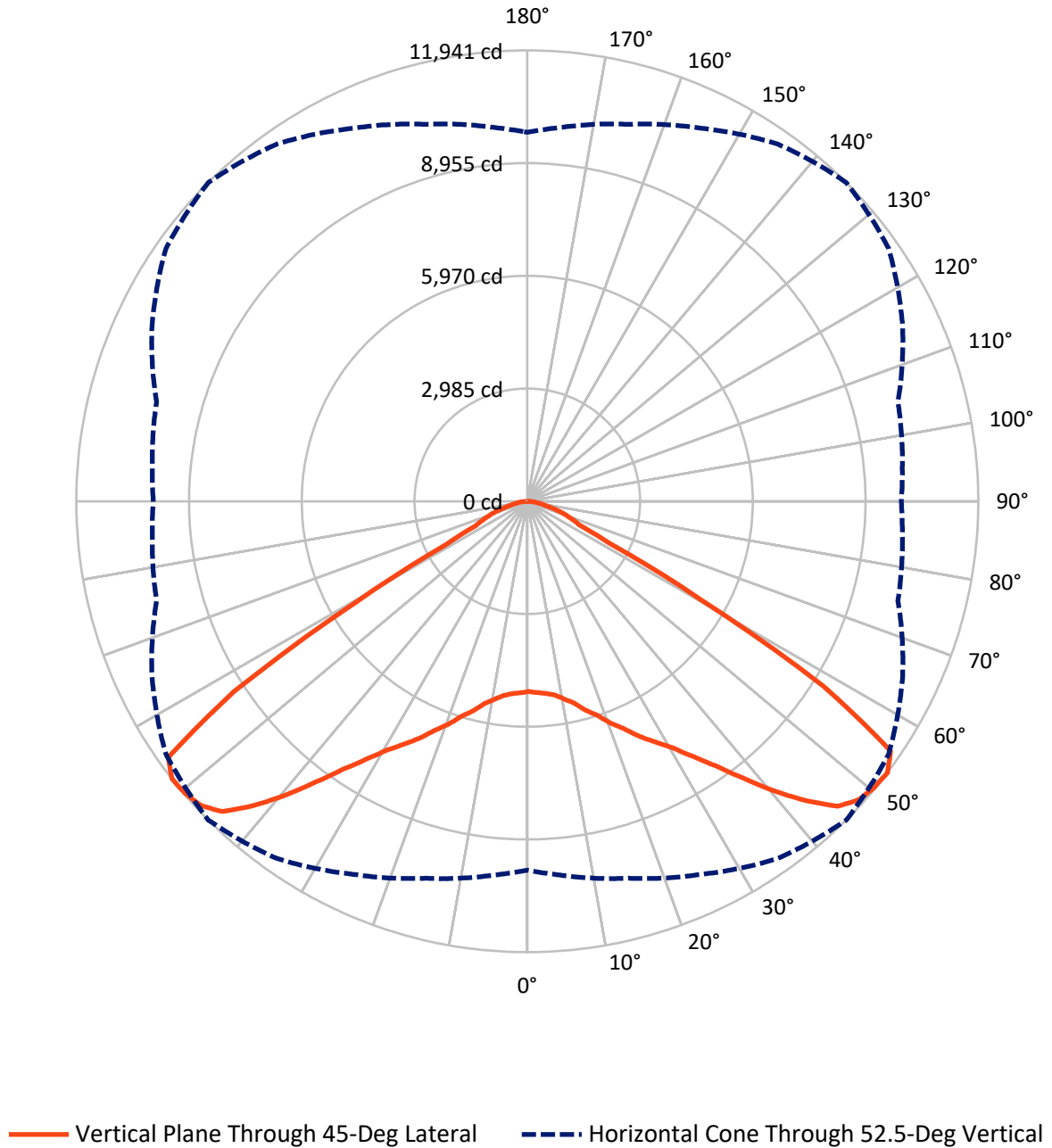
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P532650  
CATALOG NUMBER: GALN-SA8A-735-U-RW-GRSWH

### Luminous Intensity Polar Plot



REPORT NUMBER: P532650  
 CATALOG NUMBER: GALN-SA8A-735-U-RW-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15071.5	0.0	15071.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15071.5	0.0	15071.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30143.0	0.0	30143.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	495.0	1.6
10°-20°	1626.7	5.4
20°-30°	3097.0	10.3
30°-40°	5317.8	17.6
40°-50°	8173.5	27.1
50°-60°	8300.1	27.5
60°-70°	2313.1	7.7
70°-80°	682.4	2.3
80°-90°	137.4	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°	30143.0	100.0
0°-180°	30143.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P532650

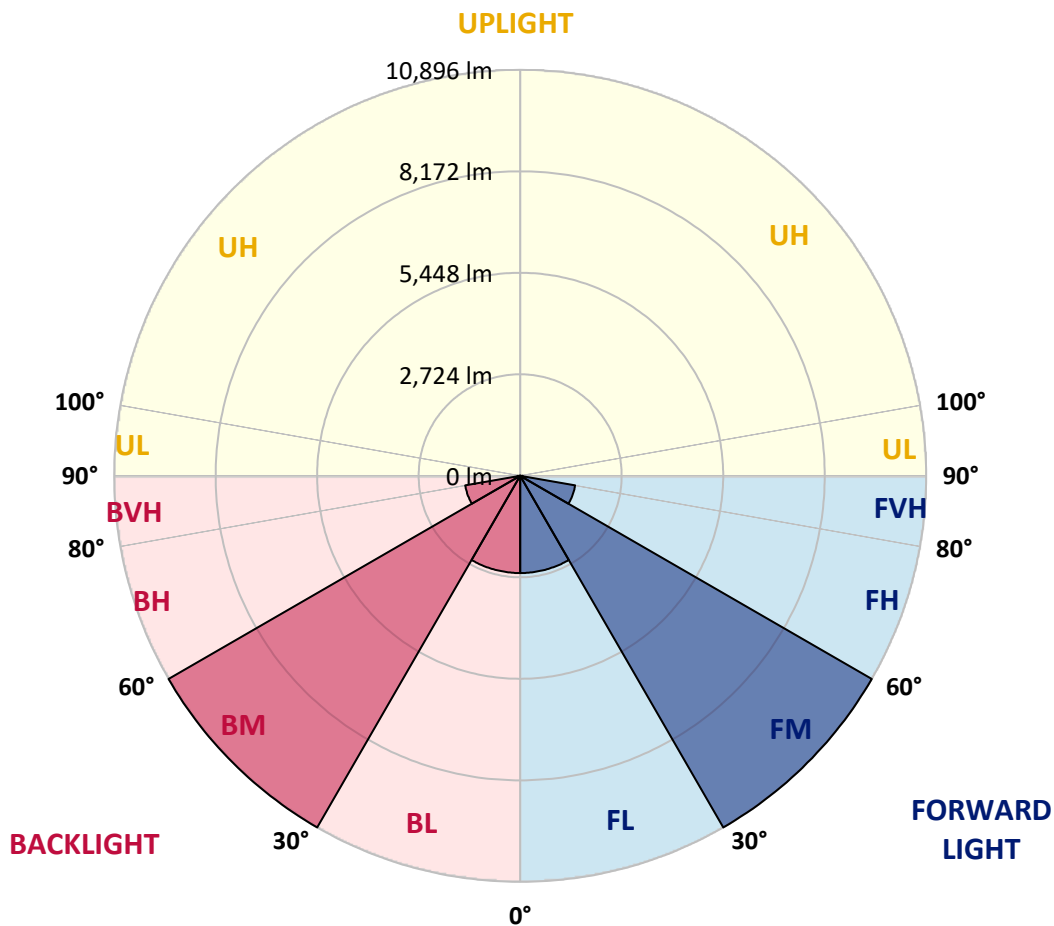
CATALOG NUMBER: GALN-SA8A-735-U-RW-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2609.4	8.7			
FM (30°-60°)	10895.7	36.1			
FH (60°-80°)	1497.7	5.0			G1/1800
FVH (80°-90°)	68.7	0.2			G1/100
BL (0°-30°)	2609.4	8.7	B4/5000		
BM (30°-60°)	10895.7	36.1	B5		
BH (60°-80°)	1497.7	5.0	B3/2500		G1/1800
BVH (80°-90°)	68.7	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: P532650

CATALOG NUMBER: GALN-SA8A-735-U-RW-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5038.8	5038.8	5038.8	5038.8	5038.8	5038.8	5038.8	5038.8	5038.8	5038.8	5038.8
2.5°	5050.0	4997.7	5016.4	5027.6	5076.2	5072.5	5061.2	5076.2	5091.2	5094.9	5087.4
5°	5046.3	5008.9	5023.8	5035.1	5083.7	5109.9	5102.4	5166.0	5210.9	5199.7	5255.8
7.5°	5016.4	5038.8	5020.1	5076.2	5117.4	5180.9	5248.3	5308.1	5364.2	5427.8	5439.1
10°	5083.7	5083.7	5117.4	5162.2	5270.7	5319.4	5416.6	5502.7	5611.1	5686.0	5656.0
12.5°	5154.8	5166.0	5166.0	5281.9	5371.7	5480.2	5570.0	5686.0	5839.3	5929.1	5974.0
15°	5225.8	5233.3	5270.7	5427.8	5562.5	5734.6	5816.9	5921.6	6007.7	6176.0	6179.7
17.5°	5289.4	5330.6	5442.8	5618.6	5787.0	5951.5	6082.5	6191.0	6265.8	6333.1	6318.1
20°	5528.8	5558.8	5674.7	5850.5	6101.2	6262.0	6306.9	6325.6	6374.2	6508.9	6467.8
22.5°	5760.8	5772.0	5880.5	6149.8	6325.6	6538.8	6587.5	6576.3	6595.0	6628.6	6688.5
25°	6000.2	6018.9	6168.5	6396.7	6643.6	6898.0	6939.1	6853.1	6826.9	6864.3	6868.0
27.5°	6306.9	6310.7	6501.4	6699.7	6980.3	7219.7	7283.3	7215.9	7092.5	7122.4	7171.0
30°	6696.0	6669.8	6860.5	7144.8	7440.4	7575.0	7683.5	7649.8	7515.2	7489.0	7447.8
32.5°	7144.8	7152.3	7324.4	7634.9	7829.4	8053.8	8169.8	8113.7	8027.7	7982.8	8009.0
35°	7777.0	7810.7	7926.7	8184.8	8499.0	8611.2	8794.5	8674.8	8450.4	8506.5	8555.1
37.5°	8297.0	8394.3	8611.2	8918.0	9105.0	9310.7	9378.1	9217.2	9052.6	8985.3	9146.2
40°	9093.8	9063.9	9303.3	9610.0	9886.8	10092.6	10006.5	9845.7	9437.9	9441.7	9486.6
42.5°	9778.3	9793.3	9976.6	10343.2	10721.0	10848.2	10575.1	10182.3	9729.7	9681.1	9778.3
45°	10354.4	10414.3	10519.0	11009.0	11379.4	11517.8	11012.8	10548.9	9942.9	9740.9	9901.8
47.5°	10560.2	10657.4	10885.6	11334.5	11701.1	11813.3	11409.3	10743.5	10141.2	9812.0	9898.0
50°	10590.1	10556.4	10930.5	11342.0	11663.7	11906.8	11551.5	10885.6	10092.6	9920.5	9894.3
52.5°	9770.9	9935.5	10335.7	10900.6	11551.5	11940.5	11678.6	10964.2	10159.9	9965.4	9901.8
55°	7908.0	7713.4	8442.9	9393.0	10590.1	11671.2	11633.8	11005.3	10201.0	10040.2	9954.2
57.5°	4414.1	4470.2	4881.7	5914.1	7459.1	9254.6	10343.2	10571.4	10182.3	10088.8	10133.7
60°	2042.5	2061.2	2237.0	2719.5	3677.2	5248.3	6681.0	8136.1	8805.7	8940.4	8940.4
62.5°	1522.5	1515.0	1559.9	1645.9	1847.9	2412.8	3220.8	4376.7	5296.9	5940.3	6108.7
65°	1376.6	1372.9	1395.3	1425.2	1440.2	1518.7	1698.3	2053.7	2352.9	2525.0	2495.1
67.5°	1204.5	1200.8	1208.3	1227.0	1253.2	1294.3	1339.2	1414.0	1518.7	1511.3	1492.6
70°	972.6	972.6	983.8	998.8	1028.7	1077.3	1129.7	1182.1	1271.9	1290.6	1286.8
72.5°	718.2	707.0	729.4	759.4	789.3	849.2	905.3	953.9	1017.5	1036.2	1028.7
75°	456.4	463.9	478.8	512.5	564.9	606.0	665.9	707.0	748.2	763.1	766.9
77.5°	254.4	261.9	288.0	329.2	381.6	426.4	478.8	512.5	538.7	542.4	546.2
80°	153.4	157.1	183.3	220.7	265.6	314.2	355.4	389.0	411.5	400.3	396.5
82.5°	93.5	97.3	119.7	153.4	190.8	228.2	273.1	303.0	325.4	310.5	295.5
85°	48.6	52.4	71.1	93.5	123.4	142.1	142.1	127.2	123.4	116.0	112.2
87.5°	15.0	15.0	18.7	22.4	18.7	22.4	26.2	29.9	29.9	33.7	29.9
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)