

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: P531714

Luminaire Tested: **GALN-SA7A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531714  
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-SA7A-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 26000 lumens  
Efficiency: N/A  
Efficacy: 120.9 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

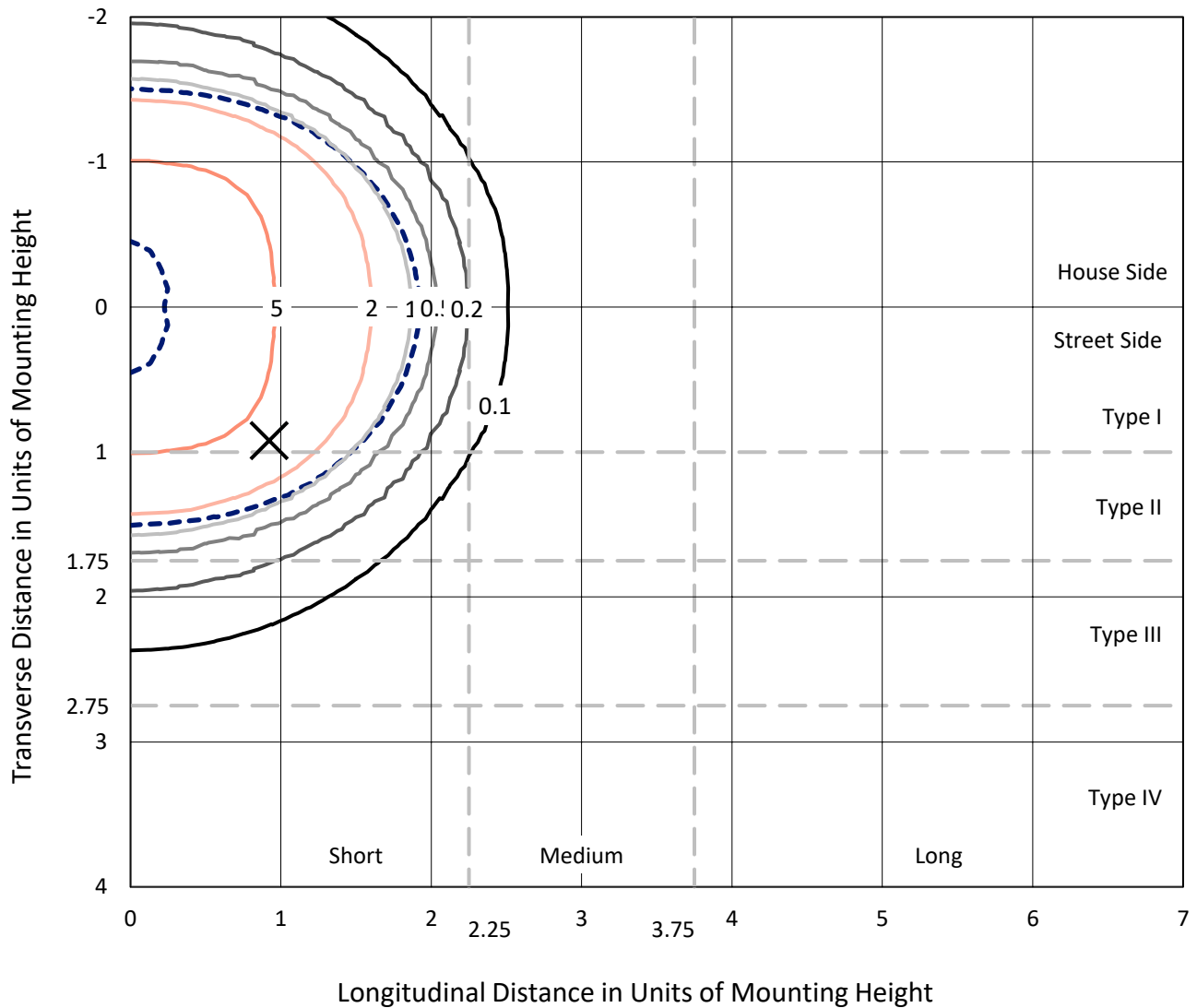
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P531714  
 CATALOG NUMBER: GALN-SA7A-735-U-RW-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

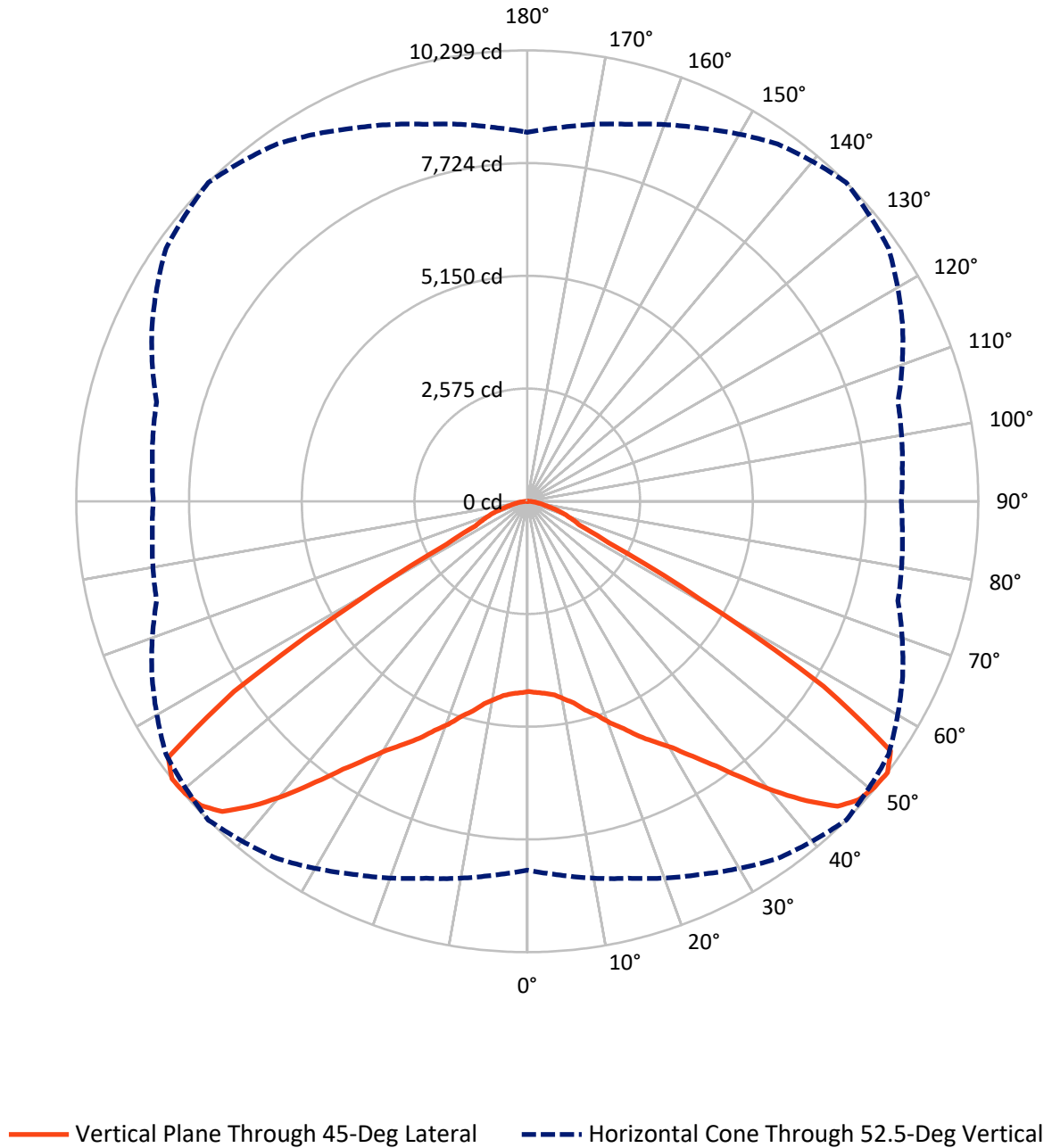
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P531714  
CATALOG NUMBER: GALN-SA7A-735-U-RW-GRSWH

### Luminous Intensity Polar Plot



REPORT NUMBER: P531714  
 CATALOG NUMBER: GALN-SA7A-735-U-RW-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13000.0	0.0	13000.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13000.0	0.0	13000.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26000.0	0.0	26000.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	427.0	1.6
10°-20°	1403.1	5.4
20°-30°	2671.3	10.3
30°-40°	4586.9	17.6
40°-50°	7050.1	27.1
50°-60°	7159.3	27.5
60°-70°	1995.2	7.7
70°-80°	588.5	2.3
80°-90°	118.5	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°	26000.0	100.0
0°-180°	26000.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P531714

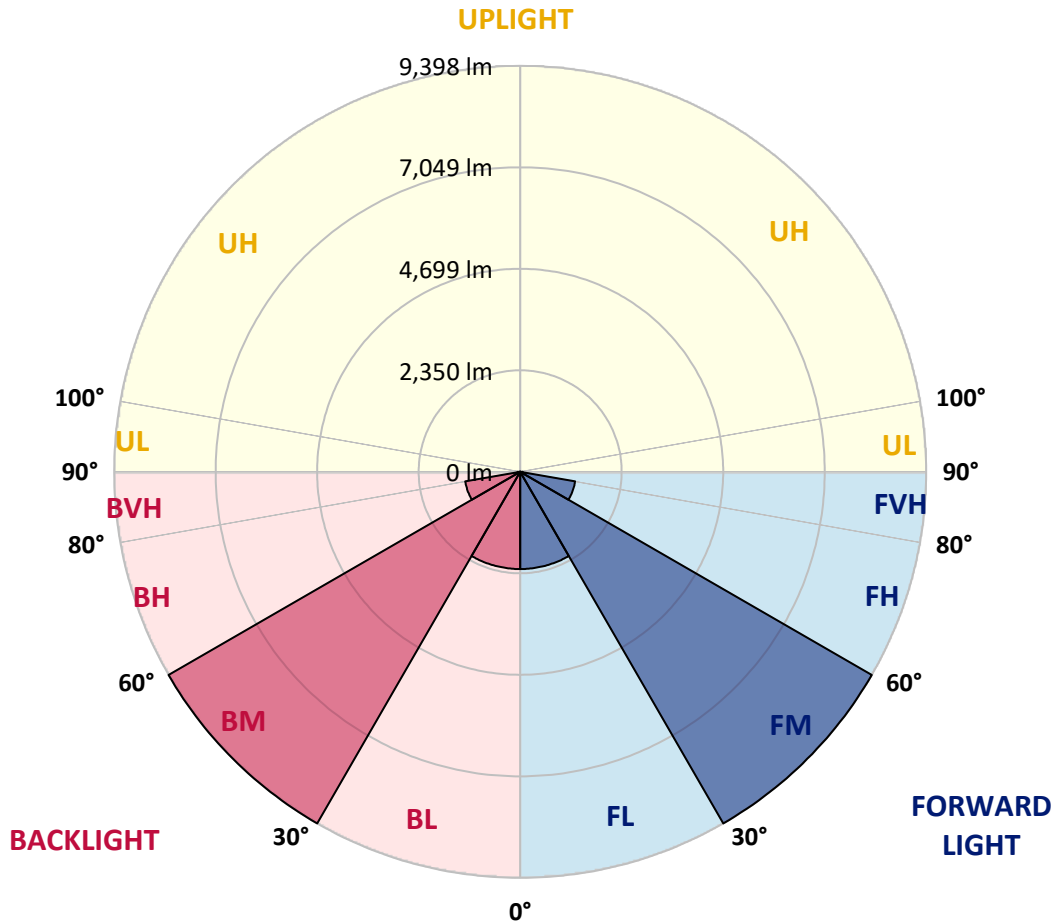
CATALOG NUMBER: GALN-SA7A-735-U-RW-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2250.7	8.7			
FM (30°-60°)	9398.1	36.1			
FH (60°-80°)	1291.9	5.0			G1/1800
FVH (80°-90°)	59.3	0.2			G1/100
BL (0°-30°)	2250.7	8.7	B3/2500		
BM (30°-60°)	9398.1	36.1	B5		
BH (60°-80°)	1291.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	59.3	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: P531714

CATALOG NUMBER: GALN-SA7A-735-U-RW-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4346.2	4346.2	4346.2	4346.2	4346.2	4346.2	4346.2	4346.2	4346.2	4346.2	4346.2
2.5°	4355.9	4310.7	4326.9	4336.6	4378.5	4375.3	4365.6	4378.5	4391.4	4394.6	4388.2
5°	4352.7	4320.4	4333.3	4343.0	4385.0	4407.5	4401.1	4455.9	4494.7	4485.0	4533.4
7.5°	4326.9	4346.2	4330.1	4378.5	4414.0	4468.9	4526.9	4578.6	4627.0	4681.8	4691.5
10°	4385.0	4385.0	4414.0	4452.7	4546.3	4588.2	4672.1	4746.3	4839.9	4904.4	4878.6
12.5°	4446.3	4455.9	4455.9	4556.0	4633.4	4727.0	4804.4	4904.4	5036.7	5114.2	5152.9
15°	4507.6	4514.0	4546.3	4681.8	4798.0	4946.4	5017.4	5107.7	5181.9	5327.1	5330.4
17.5°	4562.4	4597.9	4694.7	4846.4	4991.6	5133.5	5246.5	5340.0	5404.6	5462.6	5449.7
20°	4768.9	4794.7	4894.8	5046.4	5262.6	5401.3	5440.1	5456.2	5498.1	5614.3	5578.8
22.5°	4969.0	4978.7	5072.2	5304.5	5456.2	5640.1	5682.1	5672.4	5688.5	5717.6	5769.2
25°	5175.5	5191.6	5320.7	5517.5	5730.5	5949.9	5985.4	5911.1	5888.6	5920.8	5924.1
27.5°	5440.1	5443.3	5607.8	5778.9	6020.9	6227.4	6282.2	6224.1	6117.7	6143.5	6185.4
30°	5775.6	5753.0	5917.6	6162.8	6417.7	6533.9	6627.5	6598.4	6482.3	6459.7	6424.2
32.5°	6162.8	6169.3	6317.7	6585.5	6753.3	6946.9	7046.9	6998.5	6924.3	6885.6	6908.2
35°	6708.1	6737.2	6837.2	7059.8	7330.9	7427.7	7585.8	7482.5	7288.9	7337.3	7379.3
37.5°	7156.6	7240.5	7427.7	7692.2	7853.6	8031.0	8089.1	7950.4	7808.4	7750.3	7889.1
40°	7843.9	7818.1	8024.6	8289.2	8527.9	8705.4	8631.2	8492.4	8140.7	8144.0	8182.7
42.5°	8434.4	8447.3	8605.4	8921.6	9247.5	9357.2	9121.6	8782.8	8392.4	8350.5	8434.4
45°	8931.3	8982.9	9073.2	9495.9	9815.3	9934.7	9499.1	9099.0	8576.3	8402.1	8540.8
47.5°	9108.7	9192.6	9389.4	9776.6	10092.8	10189.6	9841.2	9266.8	8747.3	8463.4	8537.6
50°	9134.5	9105.5	9428.2	9783.1	10060.6	10270.3	9963.8	9389.4	8705.4	8557.0	8534.4
52.5°	8427.9	8569.9	8915.1	9402.3	9963.8	10299.3	10073.5	9457.2	8763.5	8595.7	8540.8
55°	6821.1	6653.3	7282.5	8102.0	9134.5	10067.0	10034.8	9492.7	8799.0	8660.2	8586.0
57.5°	3807.4	3855.8	4210.7	5101.3	6433.9	7982.6	8921.6	9118.4	8782.8	8702.2	8740.9
60°	1761.7	1777.9	1929.5	2345.7	3171.8	4526.9	5762.7	7017.9	7595.4	7711.6	7711.6
62.5°	1313.2	1306.8	1345.5	1419.7	1593.9	2081.2	2778.1	3775.1	4568.9	5123.9	5269.1
65°	1187.4	1184.2	1203.5	1229.3	1242.2	1310.0	1464.9	1771.4	2029.5	2178.0	2152.1
67.5°	1039.0	1035.7	1042.2	1058.3	1080.9	1116.4	1155.1	1219.7	1310.0	1303.6	1287.4
70°	838.9	838.9	848.6	861.5	887.3	929.3	974.4	1019.6	1097.0	1113.2	1110.0
72.5°	619.5	609.8	629.2	655.0	680.8	732.4	780.8	822.8	877.6	893.8	887.3
75°	393.6	400.1	413.0	442.0	487.2	522.7	574.3	609.8	645.3	658.2	661.5
77.5°	219.4	225.9	248.4	283.9	329.1	367.8	413.0	442.0	464.6	467.9	471.1
80°	132.3	135.5	158.1	190.4	229.1	271.0	306.5	335.6	354.9	345.2	342.0
82.5°	80.7	83.9	103.3	132.3	164.6	196.8	235.5	261.4	280.7	267.8	254.9
85°	41.9	45.2	61.3	80.7	106.5	122.6	122.6	109.7	106.5	100.0	96.8
87.5°	12.9	12.9	16.1	19.4	16.1	19.4	22.6	25.8	25.8	29.0	25.8
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)