

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: P526089

Luminaire Tested: **GALN-SA1A-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526089  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-735-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2587 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

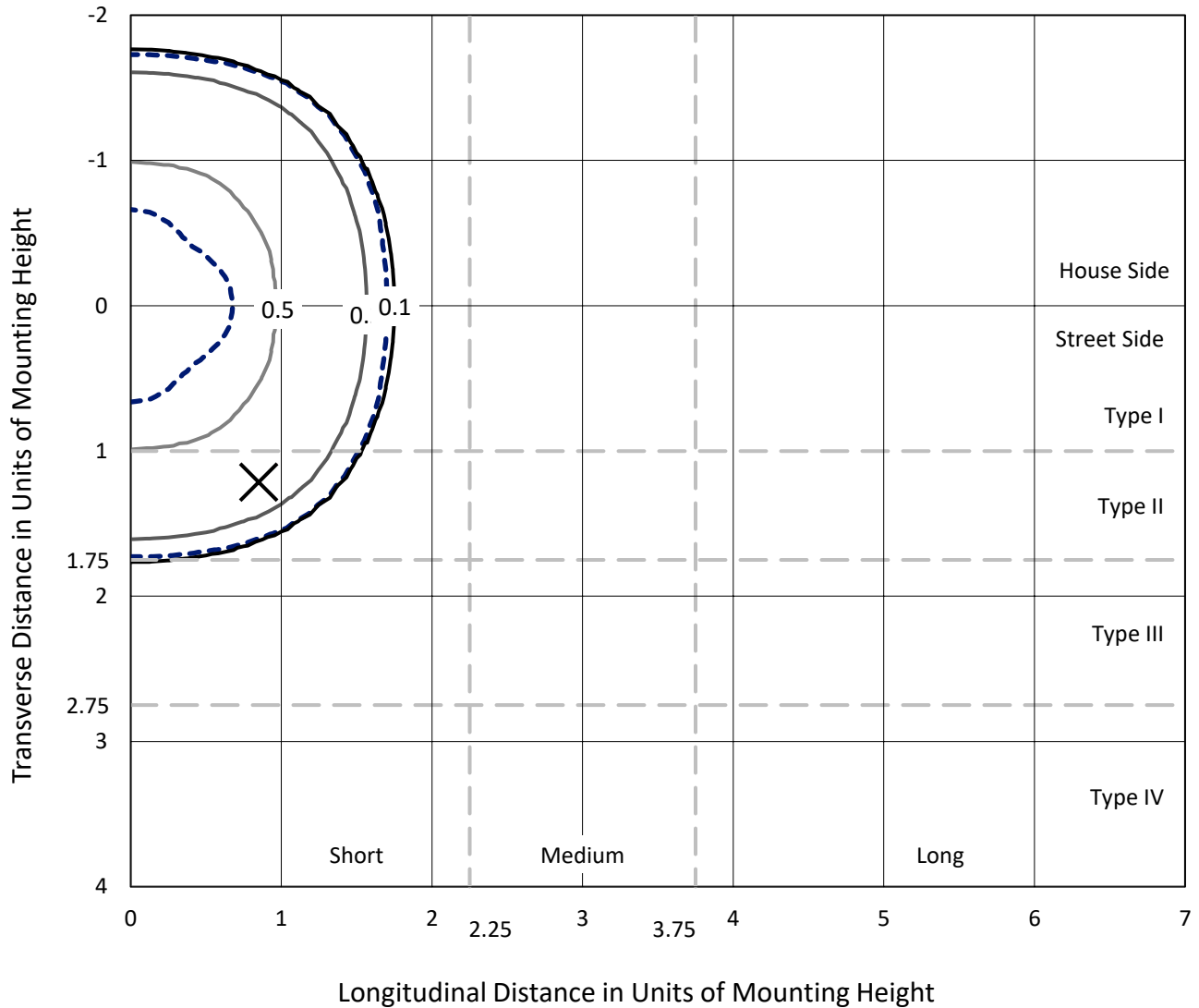
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526089  
 CATALOG NUMBER: GALN-SA1A-735-U-5MQ-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

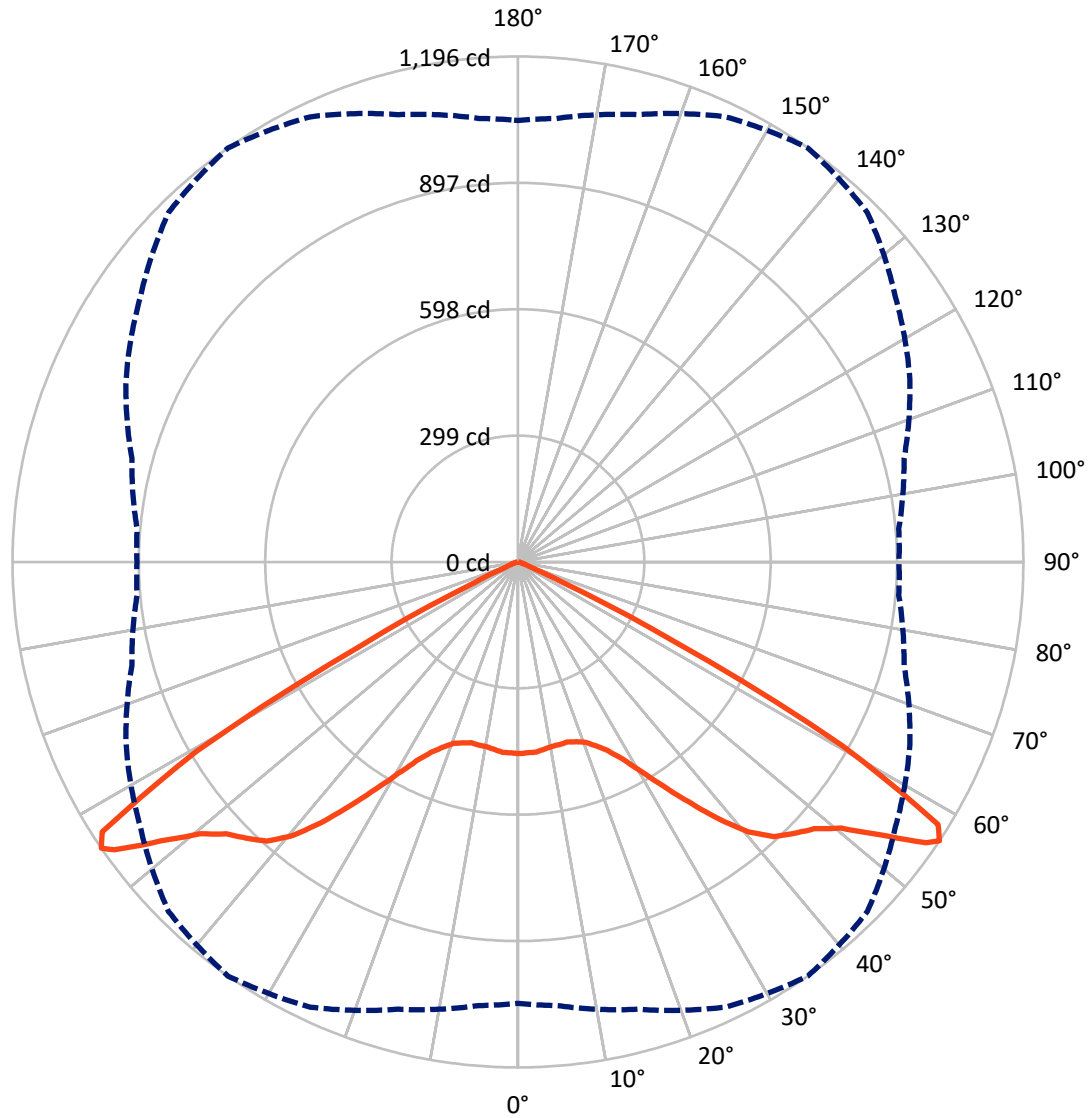
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P526089  
CATALOG NUMBER: GALN-SA1A-735-U-5MQ-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P526089  
 CATALOG NUMBER: GALN-SA1A-735-U-5MQ-GRSBK

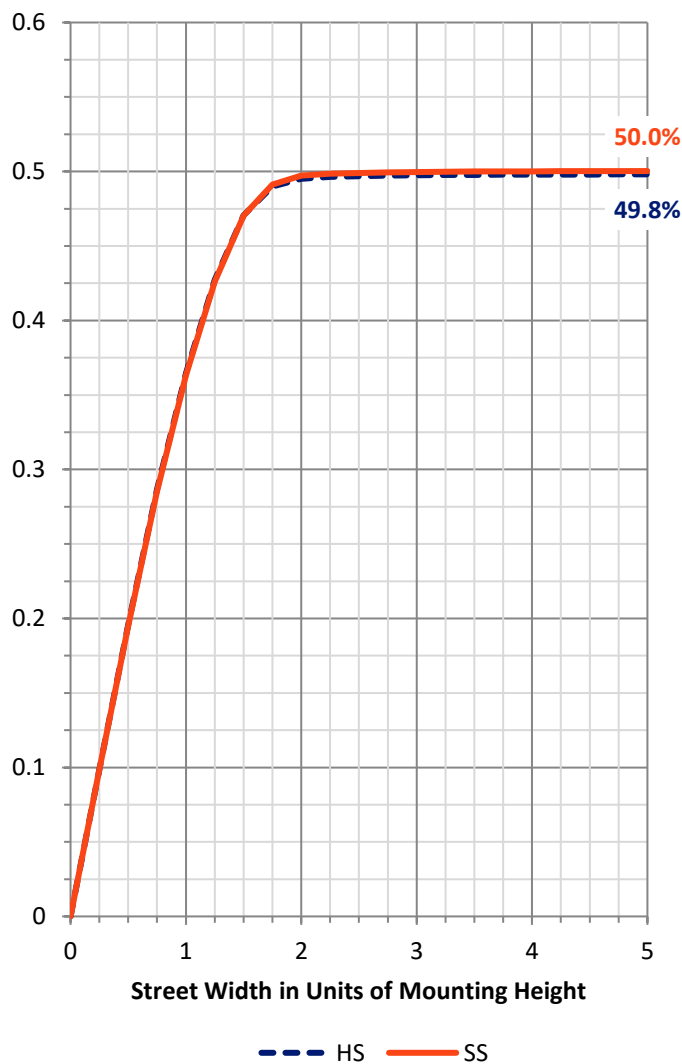
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1293.5	0.0	1293.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1293.5	0.0	1293.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2587.0	0.0	2587.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.6	1.6
10°-20°	124.4	4.8
20°-30°	225.2	8.7
30°-40°	417.7	16.1
40°-50°	685.6	26.5
50°-60°	883.2	34.1
60°-70°	194.7	7.5
70°-80°	11.3	0.4
80°-90°	2.4	0.1
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°	2587.0	100.0
0°-180°	2587.0	100.0

**Coefficient of Utilization**



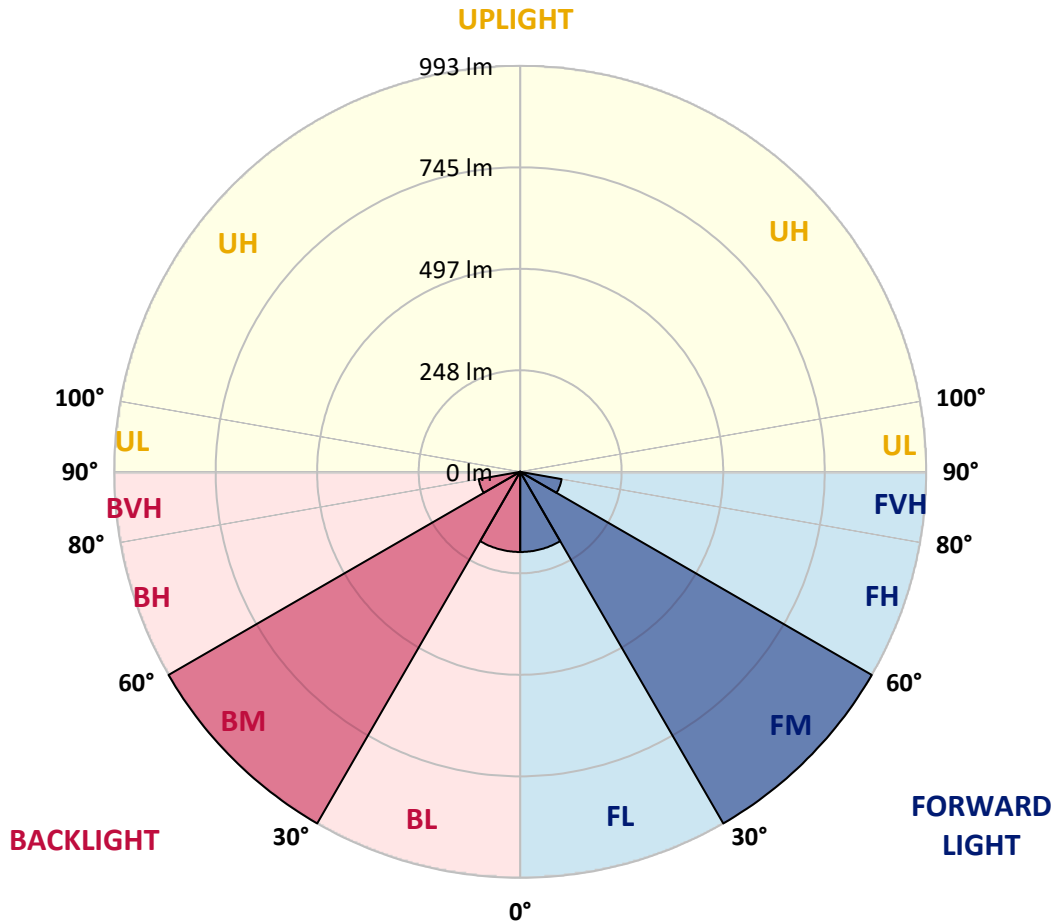
REPORT NUMBER: P526089  
 CATALOG NUMBER: GALN-SA1A-735-U-5MQ-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.1	7.6			
FM (30°-60°)	993.2	38.4			
FH (60°-80°)	103.0	4.0			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	196.1	7.6	B1/500		
BM (30°-60°)	993.2	38.4	B1/1000		
BH (60°-80°)	103.0	4.0	B0/110		G0/660
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





REPORT NUMBER: P526089

CATALOG NUMBER: GALN-SA1A-735-U-5MQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3	453.3
2.5°	454.2	454.2	454.7	455.2	451.9	450.5	451.0	450.0	449.5	451.0	451.0
5°	452.8	452.8	451.4	451.9	451.9	447.7	447.7	448.6	448.6	445.8	444.9
7.5°	449.1	448.1	446.3	448.6	447.2	447.2	443.9	441.6	440.6	442.5	440.6
10°	441.1	441.6	443.5	444.4	443.5	446.3	440.6	437.4	434.1	432.7	432.7
12.5°	437.4	440.2	437.4	439.7	443.0	440.6	437.4	435.0	430.3	428.5	428.5
15°	436.9	438.8	439.7	443.0	441.6	442.5	436.0	433.1	426.1	422.8	421.4
17.5°	436.4	438.8	440.2	446.3	447.2	447.7	442.5	434.1	428.0	424.7	421.4
20°	441.6	442.5	445.3	451.4	455.2	461.7	452.4	443.5	430.3	426.6	425.2
22.5°	448.1	452.8	455.6	462.2	472.0	477.7	465.5	454.2	440.6	436.0	430.3
25°	469.2	468.3	473.0	486.6	494.5	498.8	488.9	472.5	454.7	449.1	450.0
27.5°	495.5	496.4	500.6	515.6	527.4	533.9	522.2	500.6	483.3	473.9	473.0
30°	529.7	528.8	533.5	553.6	574.7	584.6	563.9	538.6	521.7	509.6	512.4
32.5°	565.8	566.3	579.4	597.7	631.9	651.1	617.8	586.9	561.6	553.1	548.9
35°	619.2	621.6	631.9	660.0	698.0	722.8	686.3	649.2	620.2	604.7	606.6
37.5°	685.3	683.0	700.3	730.8	770.7	788.9	758.0	715.8	686.3	676.0	682.5
40°	755.7	758.0	766.9	794.6	839.1	851.3	805.3	782.4	756.6	751.4	759.4
42.5°	826.0	824.6	831.1	856.0	888.3	879.9	852.7	839.1	820.8	810.5	821.3
45°	877.5	875.2	887.4	904.3	916.0	900.0	887.8	883.2	873.8	862.5	872.4
47.5°	927.7	925.8	937.5	942.2	943.2	922.1	924.4	932.8	909.4	886.0	897.2
50°	970.3	967.1	981.6	991.9	989.6	955.8	964.3	955.8	919.3	891.6	887.4
52.5°	1041.6	1043.0	1058.5	1077.2	1071.6	1043.5	1031.3	992.8	946.0	921.1	906.6
55°	1086.6	1079.6	1106.3	1165.8	1172.4	1143.3	1089.4	1032.7	962.4	931.9	928.2
56°	1044.4	1053.3	1095.5	1162.1	1195.8	1169.1	1090.8	1022.9	945.5	904.3	901.4
57.5°	937.1	932.4	989.6	1080.5	1172.4	1161.1	1052.4	952.5	862.5	816.1	810.5
60°	583.1	596.7	646.9	759.4	882.2	887.8	780.0	694.2	589.2	548.0	557.8
62.5°	228.3	216.6	248.0	331.9	416.3	435.0	394.2	327.7	269.1	228.3	225.5
65°	53.0	51.6	58.1	80.2	112.0	129.8	123.3	88.6	65.2	61.9	57.2
67.5°	30.0	30.0	28.6	28.6	31.4	33.3	31.9	31.4	32.8	34.2	33.8
70°	21.1	20.6	19.7	20.2	19.2	19.2	20.6	23.0	24.8	24.8	25.3
72.5°	12.7	12.7	12.7	14.1	14.1	14.1	15.5	17.3	17.8	17.3	16.9
75°	5.6	5.6	6.6	8.0	8.9	9.4	10.8	11.7	12.7	11.7	10.8
77.5°	1.4	1.4	2.3	3.3	4.2	5.2	7.0	8.4	8.9	8.4	7.0
80°	0.5	0.5	0.9	2.3	4.2	5.2	7.0	7.5	8.0	7.0	5.6
82.5°	0.5	0.5	0.9	2.3	3.3	4.2	5.6	6.6	7.0	6.1	5.6
85°	0.0	0.5	0.9	1.9	2.8	3.8	3.8	2.8	2.3	1.4	1.9
87.5°	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)