

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: P647727

Luminaire Tested: **GALN-SA1A-835-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P647727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-835-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3616.7 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

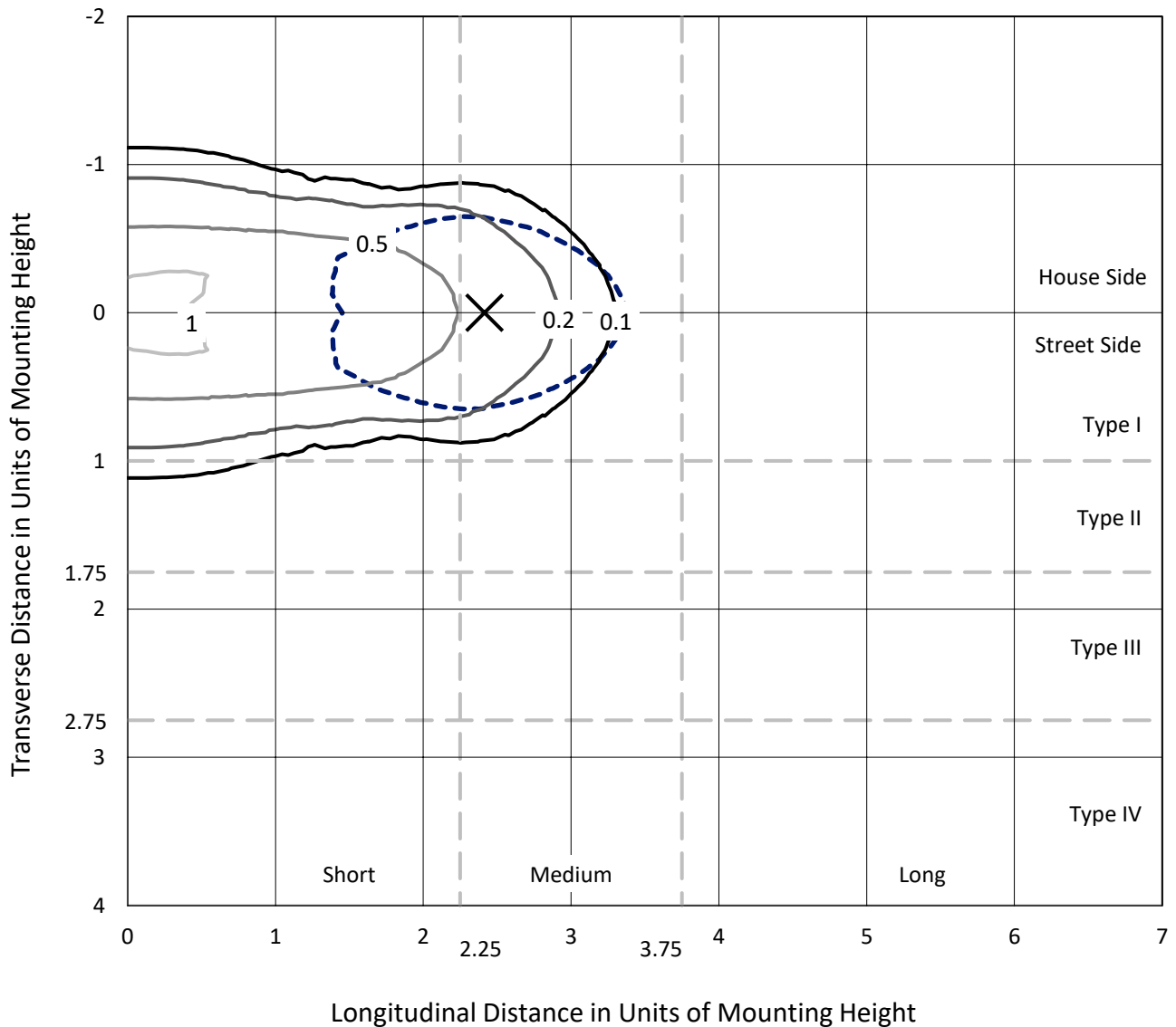
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P647727  
 CATALOG NUMBER: GALN-SA1A-835-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

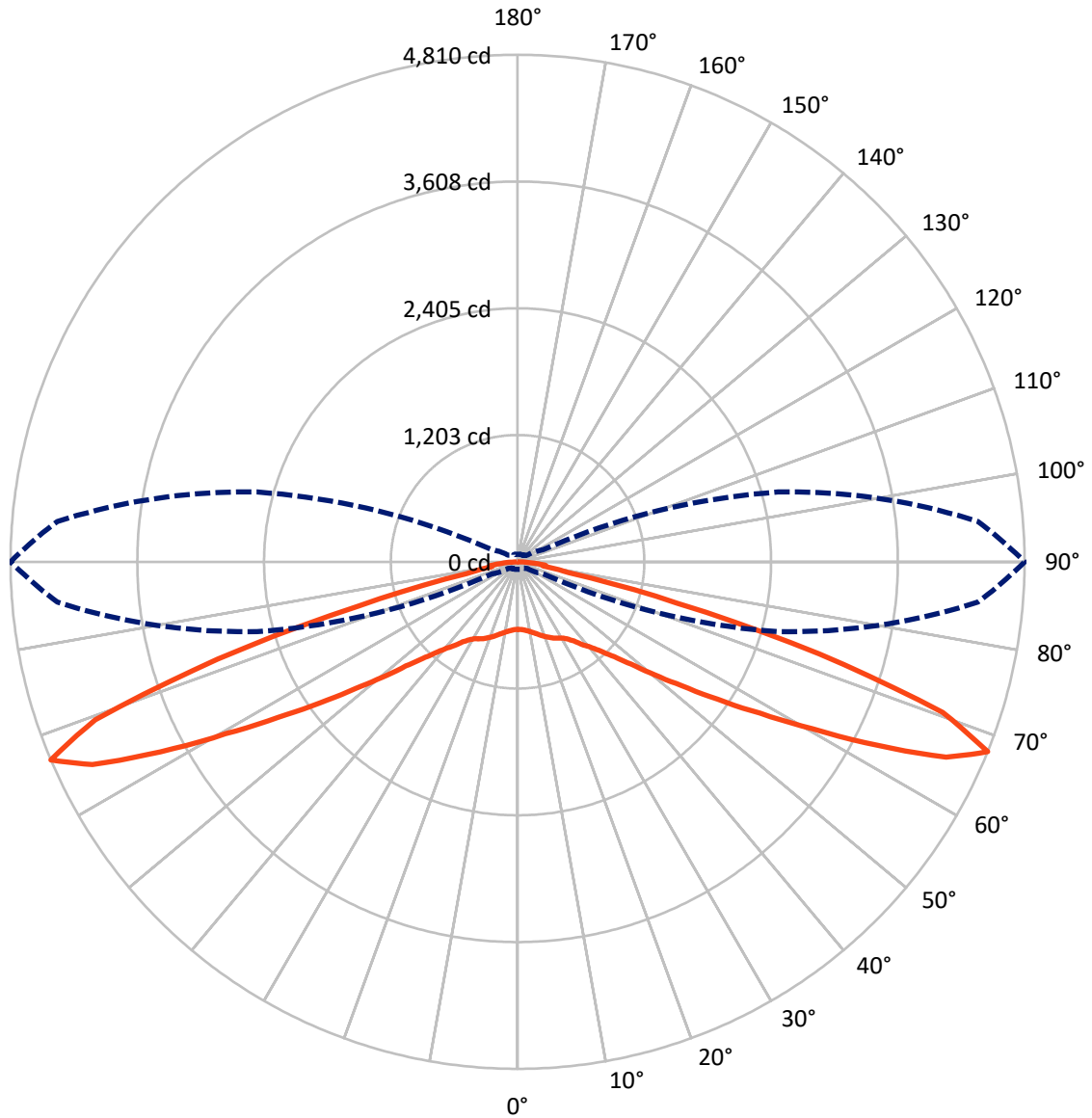
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type I - Short - N/A

REPORT NUMBER: P647727  
CATALOG NUMBER: GALN-SA1A-835-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P647727  
 CATALOG NUMBER: GALN-SA1A-835-U-T1

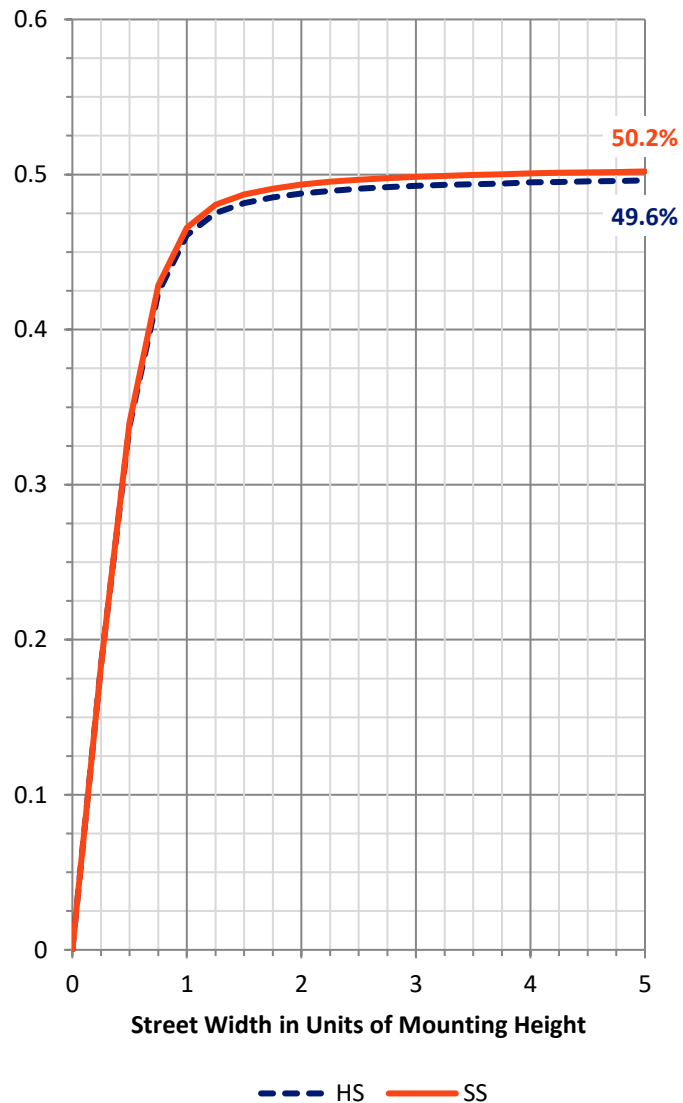
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1808.3	0.0	1808.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1808.3	0.0	1808.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3616.7	0.0	3616.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.8	1.8
10°-20°	204.2	5.6
20°-30°	341.8	9.5
30°-40°	463.1	12.8
40°-50°	586.6	16.2
50°-60°	732.8	20.3
60°-70°	861.4	23.8
70°-80°	329.5	9.1
80°-90°	33.4	0.9
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°	3616.7	100.0
0°-180°	3616.7	100.0

**Coefficient of Utilization**



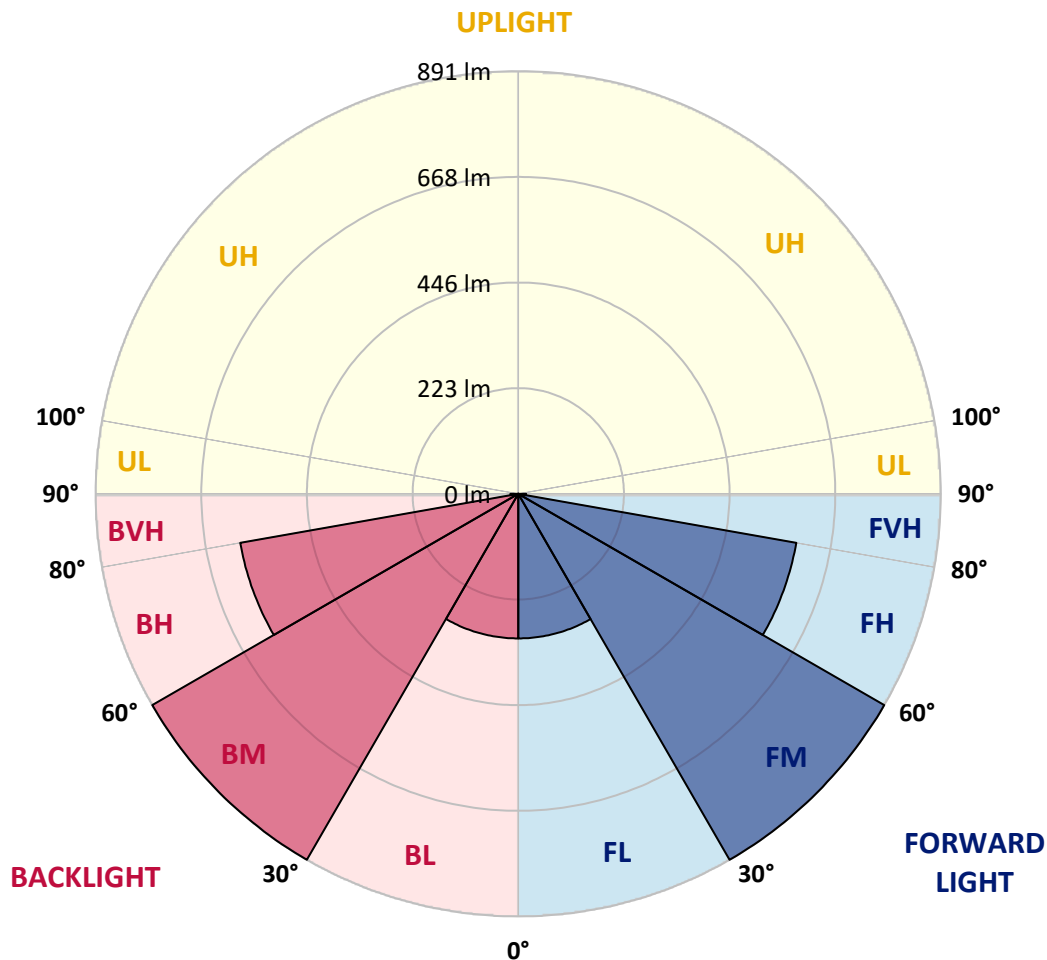
REPORT NUMBER: P647727  
 CATALOG NUMBER: GALN-SA1A-835-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.0	8.4			
FM (30°-60°)	891.2	24.6			
FH (60°-80°)	595.4	16.5			G0/660
FVH (80°-90°)	16.7	0.5			G1/100
BL (0°-30°)	305.0	8.4	B1/500		
BM (30°-60°)	891.2	24.6	B1/1000		
BH (60°-80°)	595.4	16.5	B2/1000		G2/1000
BVH (80°-90°)	16.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short





REPORT NUMBER: P647727  
 CATALOG NUMBER: GALN-SA1A-835-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3	640.3
2.5°	648.5	648.1	648.2	648.1	648.6	648.2	645.9	643.9	642.3	642.5	641.9
5°	662.3	662.5	662.7	661.7	663.1	662.3	658.5	655.3	652.1	650.9	650.5
7.5°	673.7	674.7	675.3	676.3	678.7	678.7	676.7	672.1	665.1	661.1	660.9
10°	685.1	685.9	687.7	690.9	694.9	698.7	698.0	691.7	682.7	675.9	674.3
12.5°	689.1	690.1	696.2	705.3	714.3	721.8	721.8	716.8	705.2	694.8	691.7
15°	675.1	676.9	687.7	707.4	731.0	747.2	750.8	743.8	731.4	715.3	711.7
17.5°	647.3	651.7	667.5	696.6	735.8	769.5	779.9	776.4	760.4	740.0	735.8
20°	617.4	622.3	639.1	677.5	731.8	782.5	812.7	813.5	793.6	764.1	757.8
22.5°	584.6	588.2	609.8	654.9	719.7	785.4	840.9	854.7	827.9	788.1	779.2
25°	547.7	551.8	574.4	623.0	697.1	782.1	866.8	897.2	863.7	813.7	802.5
27.5°	512.5	514.1	538.3	587.8	667.3	773.2	885.8	936.2	903.4	834.9	820.7
30°	478.6	482.5	503.9	552.7	633.1	756.0	902.3	980.7	946.1	857.2	838.9
32.5°	442.8	447.4	470.7	520.1	598.8	730.1	912.2	1029.4	1005.5	893.2	873.7
35°	408.3	411.4	434.8	482.9	565.3	700.2	914.0	1084.3	1082.3	947.9	922.1
37.5°	373.1	377.5	401.1	447.2	529.9	668.3	905.0	1142.6	1174.8	1023.8	996.0
40°	339.3	343.0	366.3	412.7	489.7	629.5	883.6	1195.8	1282.7	1101.9	1062.5
42.5°	302.4	303.4	328.9	376.1	450.2	584.4	852.8	1243.2	1403.1	1206.6	1157.6
45°	260.6	263.2	286.8	333.2	405.0	533.9	810.9	1282.6	1555.7	1351.8	1284.9
47.5°	218.7	220.9	242.5	288.4	355.5	476.1	746.4	1317.0	1712.3	1536.2	1448.6
50°	177.8	179.1	196.7	237.3	299.8	415.1	666.5	1328.0	1889.4	1797.5	1685.5
52.5°	140.6	142.4	155.8	187.7	240.3	343.3	580.2	1300.7	2096.0	2107.1	1949.2
55°	113.9	114.6	124.6	148.0	187.8	267.9	476.1	1224.8	2318.3	2503.8	2302.5
57.5°	98.1	98.5	104.1	117.1	144.6	202.1	369.3	1081.2	2518.0	2968.6	2709.9
60°	89.1	89.3	92.6	100.1	114.6	155.0	264.6	878.6	2715.1	3485.9	3216.2
62.5°	83.5	83.5	85.7	89.9	96.9	118.9	191.7	633.8	2850.0	4010.8	3840.2
65°	78.1	78.1	79.7	82.7	86.5	97.3	141.6	413.3	2846.7	4393.1	4467.8
67.5°	71.9	71.9	73.1	76.1	78.3	83.7	109.4	270.8	2557.0	4384.7	4810.3
70°	64.5	64.5	66.1	68.7	70.5	73.9	86.3	185.3	1878.6	3743.8	4278.0
72.5°	57.1	57.3	58.3	60.9	62.2	64.3	71.7	129.7	1152.3	2549.2	2991.2
75°	48.9	49.3	50.3	52.9	54.1	54.9	60.4	92.6	583.0	1374.5	1564.9
77.5°	39.5	40.2	40.9	43.7	44.5	45.6	49.9	66.9	256.0	493.8	498.3
80°	28.8	29.8	31.6	34.2	34.8	35.6	38.1	47.4	116.0	225.5	244.9
82.5°	21.2	22.6	20.4	23.8	23.8	22.9	26.9	31.9	53.2	223.3	267.2
85°	11.6	11.8	10.6	12.2	13.0	12.8	14.3	15.7	25.8	149.0	153.6
87.5°	2.8	3.0	3.2	3.8	4.6	4.6	5.0	4.4	8.4	48.2	27.6
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)