

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: P526428

Luminaire Tested: **GALN-SA1B-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-827-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3736 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

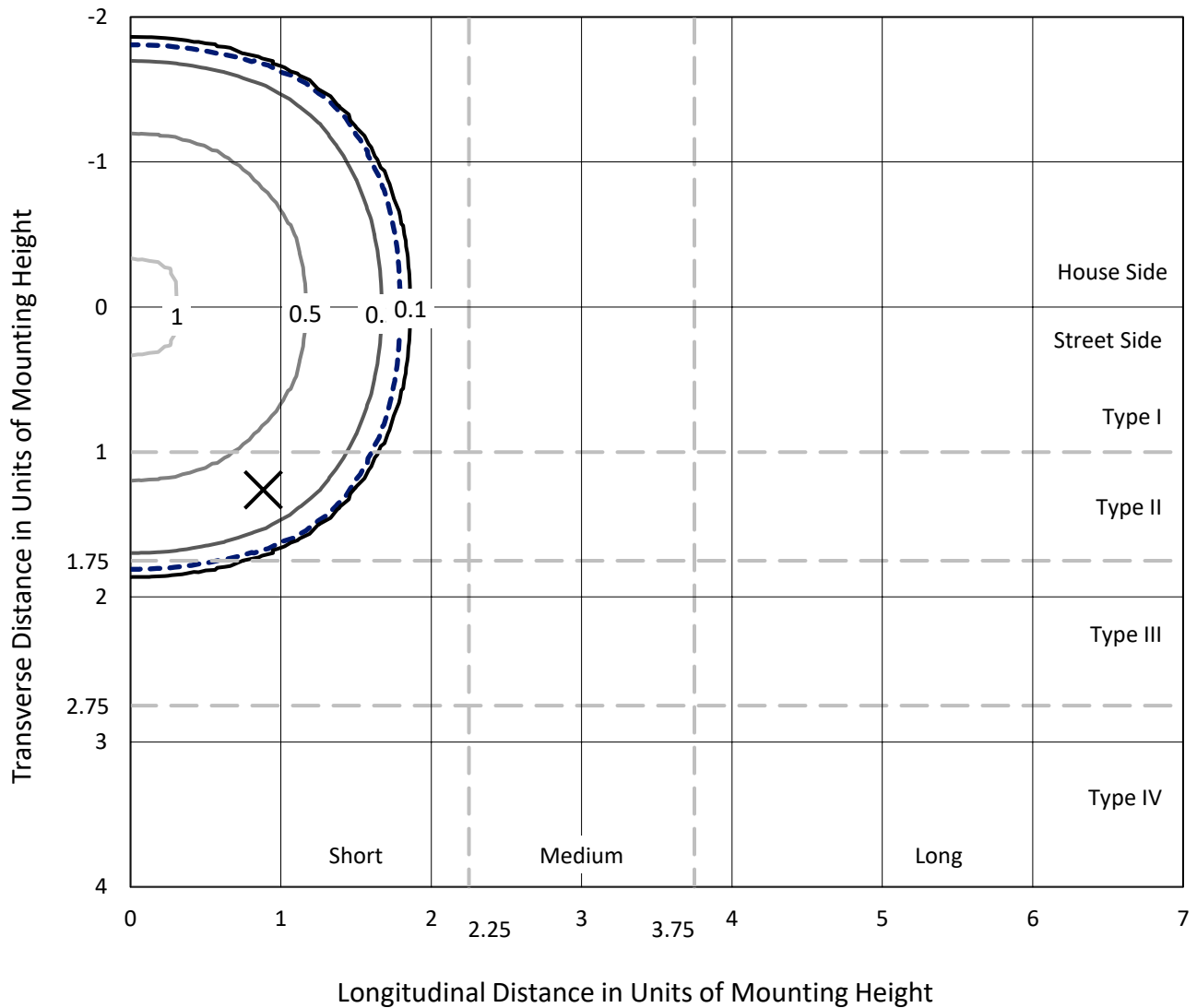
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526428  
 CATALOG NUMBER: GALN-SA1B-827-U-5MQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

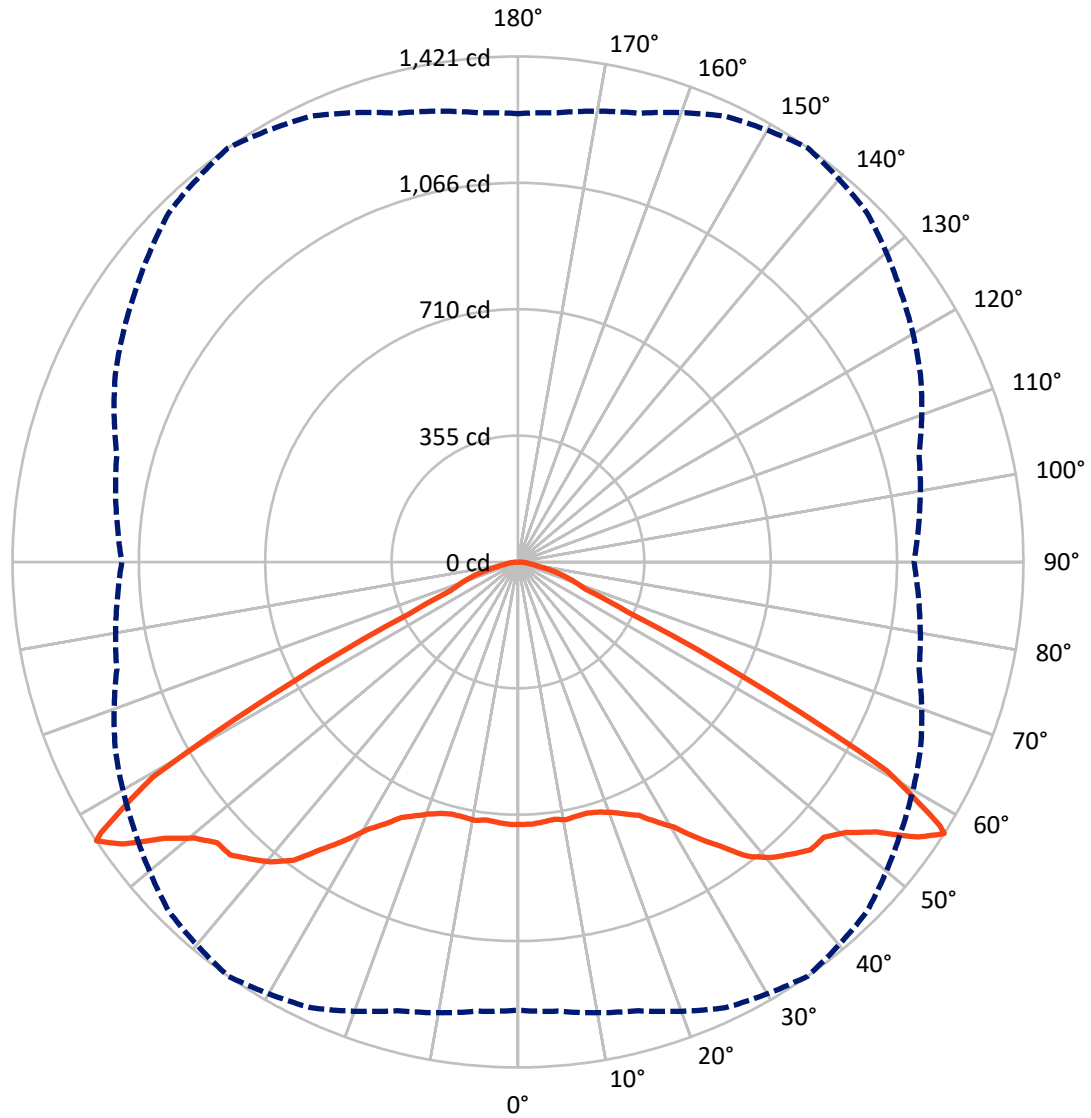
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P526428  
CATALOG NUMBER: GALN-SA1B-827-U-5MQ-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P526428  
 CATALOG NUMBER: GALN-SA1B-827-U-5MQ-GRSWH

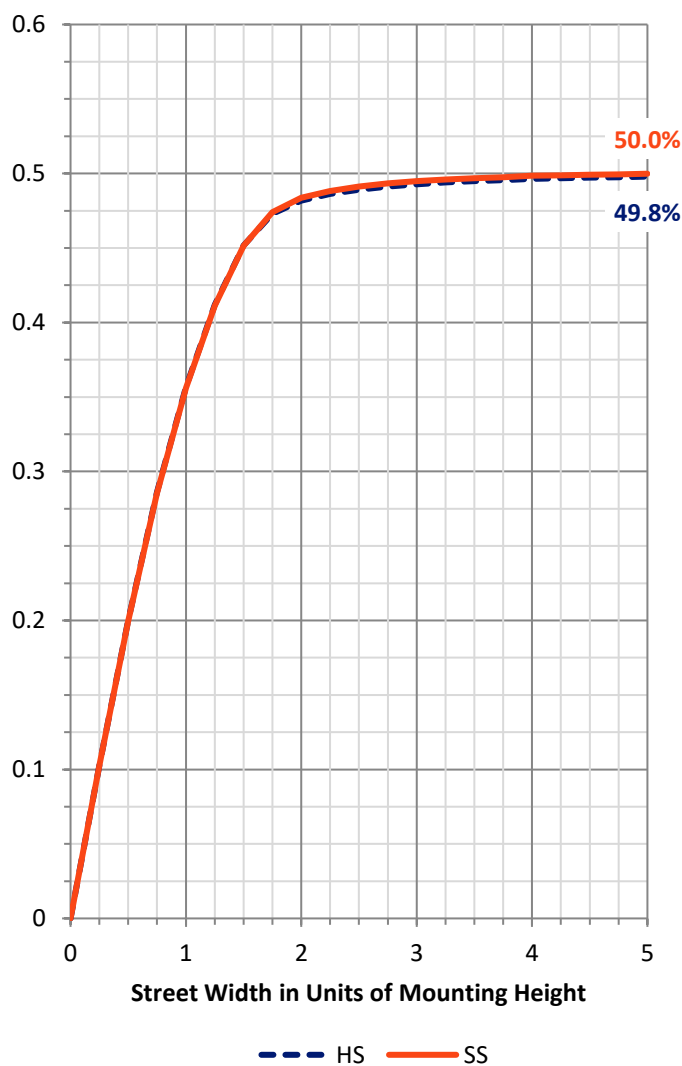
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1868.0	0.0	1868.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1868.0	0.0	1868.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3736.0	0.0	3736.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.9	1.9
10°-20°	207.2	5.5
20°-30°	361.8	9.7
30°-40°	592.8	15.9
40°-50°	869.3	23.3
50°-60°	1094.9	29.3
60°-70°	411.8	11.0
70°-80°	109.5	2.9
80°-90°	18.8	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°	3736.0	100.0
0°-180°	3736.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P526428

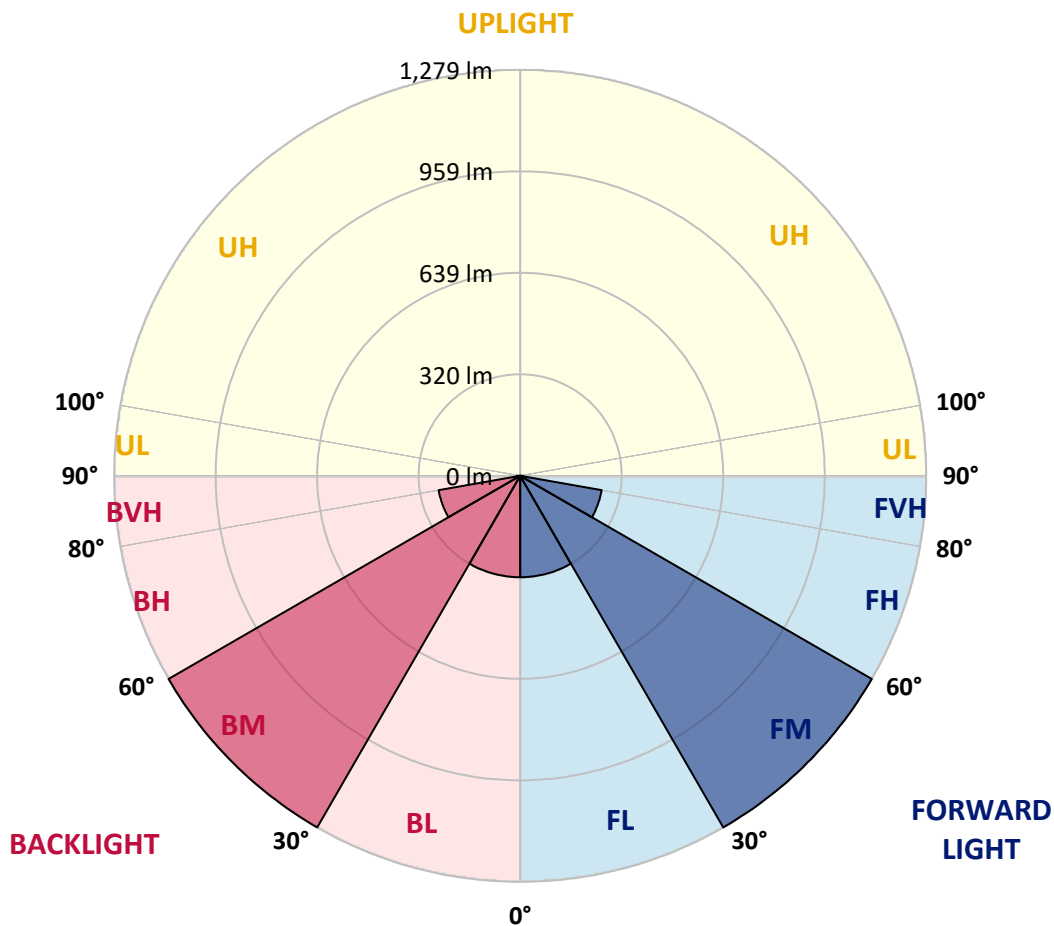
CATALOG NUMBER: GALN-SA1B-827-U-5MQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.5	8.6			
FM (30°-60°)	1278.5	34.2			
FH (60°-80°)	260.6	7.0			G0/660
FVH (80°-90°)	9.4	0.3			G0/10
BL (0°-30°)	319.5	8.6	B1/500		
BM (30°-60°)	1278.5	34.2	B2/2500		
BH (60°-80°)	260.6	7.0	B1/500		G0/660
BVH (80°-90°)	9.4	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





REPORT NUMBER: P526428

CATALOG NUMBER: GALN-SA1B-827-U-5MQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8	737.8
2.5°	734.2	741.5	738.3	736.5	737.8	735.5	731.8	736.0	735.1	731.4	730.0
5°	732.3	737.8	734.2	737.8	734.2	740.6	738.8	731.8	740.1	732.3	735.1
7.5°	730.9	732.8	733.7	731.8	730.5	738.3	734.2	730.9	726.3	724.9	727.2
10°	727.7	732.3	725.4	734.6	736.5	730.9	730.9	724.9	721.3	719.0	726.8
12.5°	736.0	728.2	727.2	731.8	733.2	735.5	729.1	725.9	719.0	719.9	718.5
15°	726.3	729.5	730.0	730.9	732.3	737.8	731.8	724.9	722.2	712.5	713.4
17.5°	730.0	726.8	730.0	740.6	738.8	742.9	736.5	725.9	719.4	713.9	721.3
20°	736.5	735.1	736.5	749.3	751.6	755.3	749.8	740.1	727.7	721.3	724.9
22.5°	743.4	742.4	743.4	755.8	769.1	773.7	768.2	745.7	739.2	727.2	723.1
25°	755.8	756.7	766.4	780.2	788.9	797.7	787.5	771.4	750.7	743.4	734.6
27.5°	783.4	785.7	791.2	811.5	826.7	834.5	820.2	798.1	785.2	770.1	767.8
30°	817.5	817.5	827.1	844.6	865.3	877.3	859.8	833.6	817.9	809.6	804.6
32.5°	862.6	857.5	861.2	892.0	924.2	934.4	910.9	878.7	853.8	842.8	839.1
35°	901.2	904.5	912.7	945.9	981.8	1005.3	968.4	926.5	901.2	891.1	889.3
37.5°	951.4	956.9	961.1	1006.6	1049.9	1058.6	1023.2	989.6	958.8	950.5	945.9
40°	1022.3	1018.6	1020.0	1053.6	1092.7	1098.2	1063.3	1039.3	1014.0	1008.9	1008.9
42.5°	1080.7	1076.6	1081.2	1093.6	1123.5	1119.4	1100.1	1082.6	1072.0	1066.5	1072.0
45°	1116.2	1115.3	1123.5	1132.8	1153.9	1140.1	1124.9	1127.7	1117.6	1108.4	1107.9
47.5°	1154.8	1148.9	1159.0	1172.8	1156.7	1150.2	1149.3	1155.3	1152.1	1136.0	1130.9
50°	1173.7	1171.4	1187.5	1203.6	1194.9	1180.2	1183.4	1193.1	1151.6	1130.0	1117.6
52.5°	1224.4	1224.8	1255.7	1264.4	1260.7	1239.1	1246.0	1219.7	1171.0	1140.6	1142.0
55°	1304.0	1300.8	1335.3	1361.1	1365.2	1337.6	1304.4	1267.6	1206.4	1175.6	1166.4
57°	1260.3	1267.6	1305.8	1382.2	1420.9	1388.2	1315.9	1248.7	1167.3	1130.0	1113.4
57.5°	1201.8	1213.8	1280.0	1356.9	1397.4	1394.7	1301.7	1213.8	1141.0	1083.0	1084.4
60°	880.5	882.8	942.7	1064.6	1191.2	1194.0	1080.7	964.3	883.3	820.2	829.0
62.5°	464.4	475.0	498.9	597.0	706.5	733.2	664.6	604.8	534.8	487.0	491.6
65°	245.8	244.4	255.9	283.5	337.4	351.2	342.0	294.6	270.2	262.4	262.8
67.5°	199.8	202.1	200.7	202.1	205.7	211.7	210.3	212.2	213.6	215.9	215.4
70°	169.4	169.4	170.3	170.8	170.8	173.5	176.7	182.7	183.2	185.5	186.4
72.5°	133.5	132.6	133.9	137.2	137.6	139.9	144.5	148.2	149.6	149.6	146.8
75°	90.7	91.6	93.4	96.2	99.0	103.1	106.8	109.1	110.0	108.6	107.2
77.5°	51.1	52.0	53.4	57.5	60.8	64.4	68.6	70.9	73.2	73.6	70.9
80°	30.4	30.4	32.7	35.9	39.6	43.3	46.9	49.7	50.6	50.6	49.3
82.5°	18.4	18.9	20.7	23.9	27.2	29.5	32.7	35.0	36.8	36.4	35.4
85°	9.7	9.7	11.5	14.3	16.6	18.9	18.9	17.5	16.6	14.3	13.3
87.5°	3.2	2.8	3.7	3.7	3.2	3.7	3.7	4.1	4.1	4.1	4.1
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)