

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: P526271

Luminaire Tested: **GALN-SA1B-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526271
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-SA1B-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 2890 lumens
Efficiency: N/A
Efficacy: 65.7 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

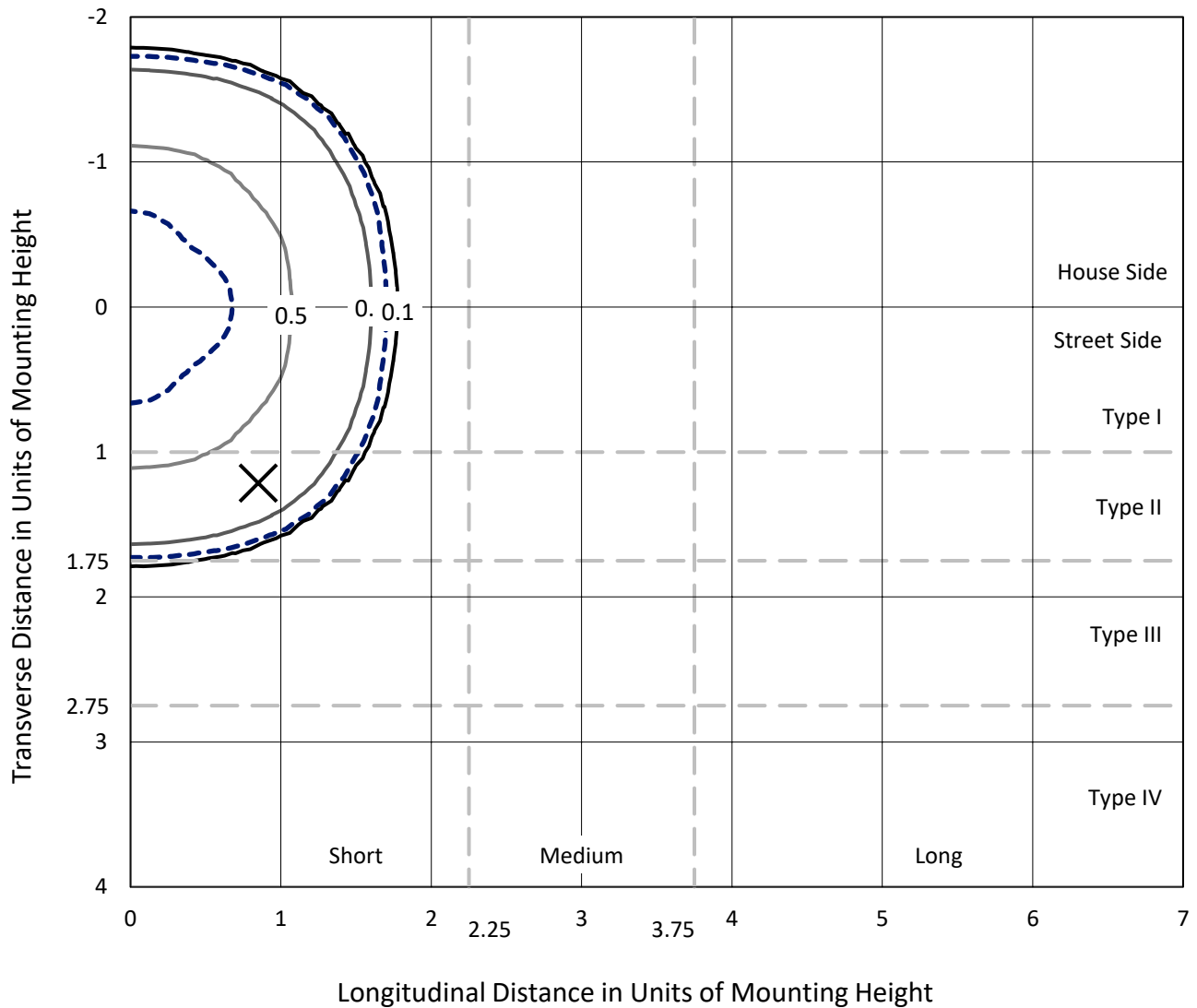
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526271
 CATALOG NUMBER: GALN-SA1B-727-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

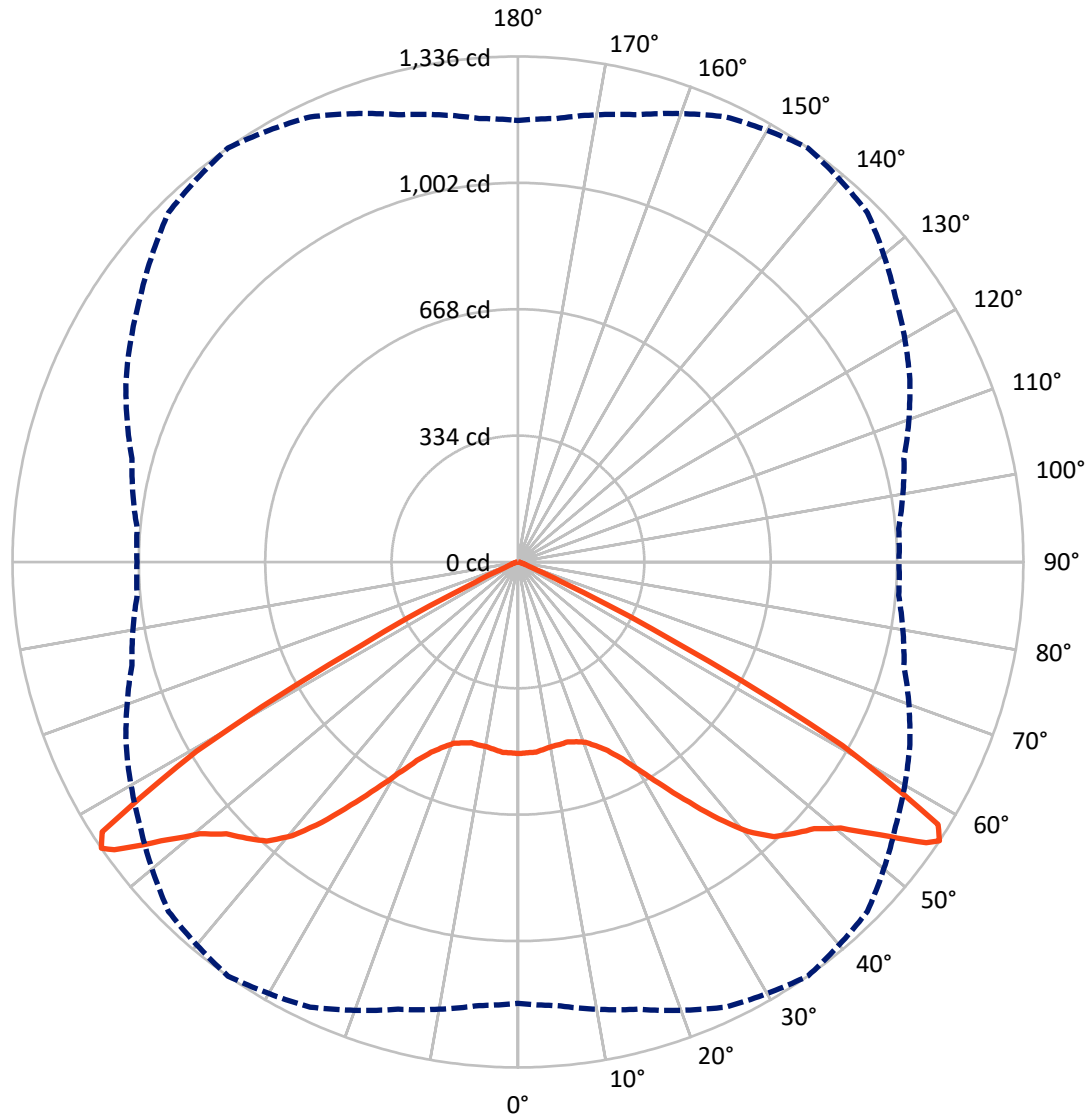
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

REPORT NUMBER: P526271
CATALOG NUMBER: GALN-SA1B-727-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526271
 CATALOG NUMBER: GALN-SA1B-727-U-5MQ-GRSBK

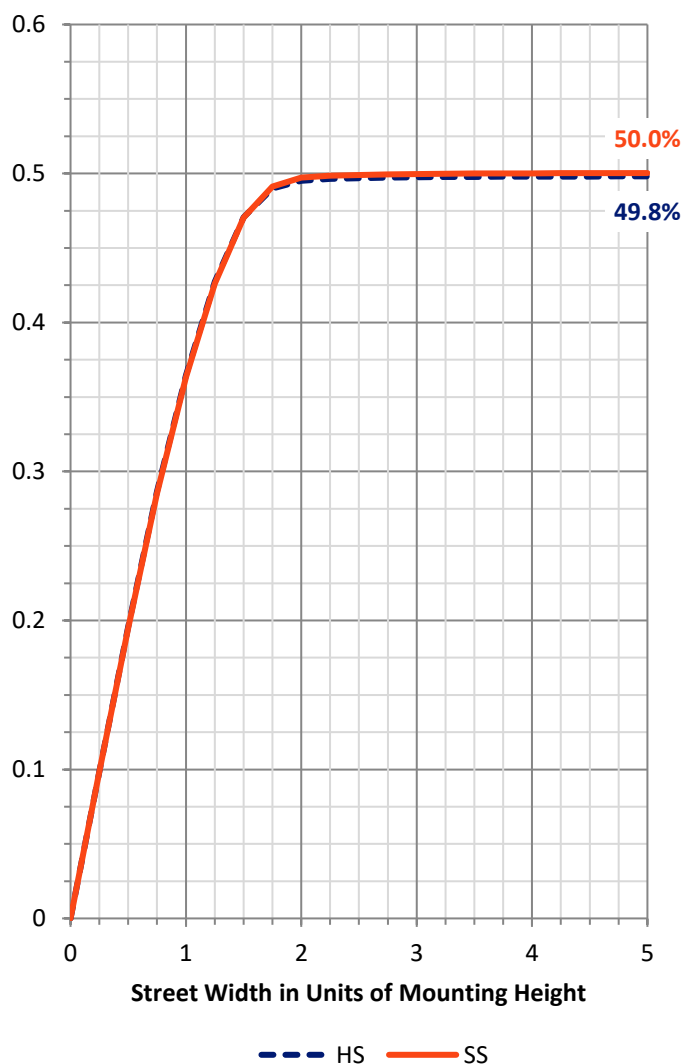
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1445.0	0.0	1445.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1445.0	0.0	1445.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2890.0	0.0	2890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	1.6
10°-20°	138.9	4.8
20°-30°	251.6	8.7
30°-40°	466.6	16.1
40°-50°	765.9	26.5
50°-60°	986.7	34.1
60°-70°	217.4	7.5
70°-80°	12.6	0.4
80°-90°	2.6	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°	2890.0	100.0
0°-180°	2890.0	100.0

Coefficient of Utilization



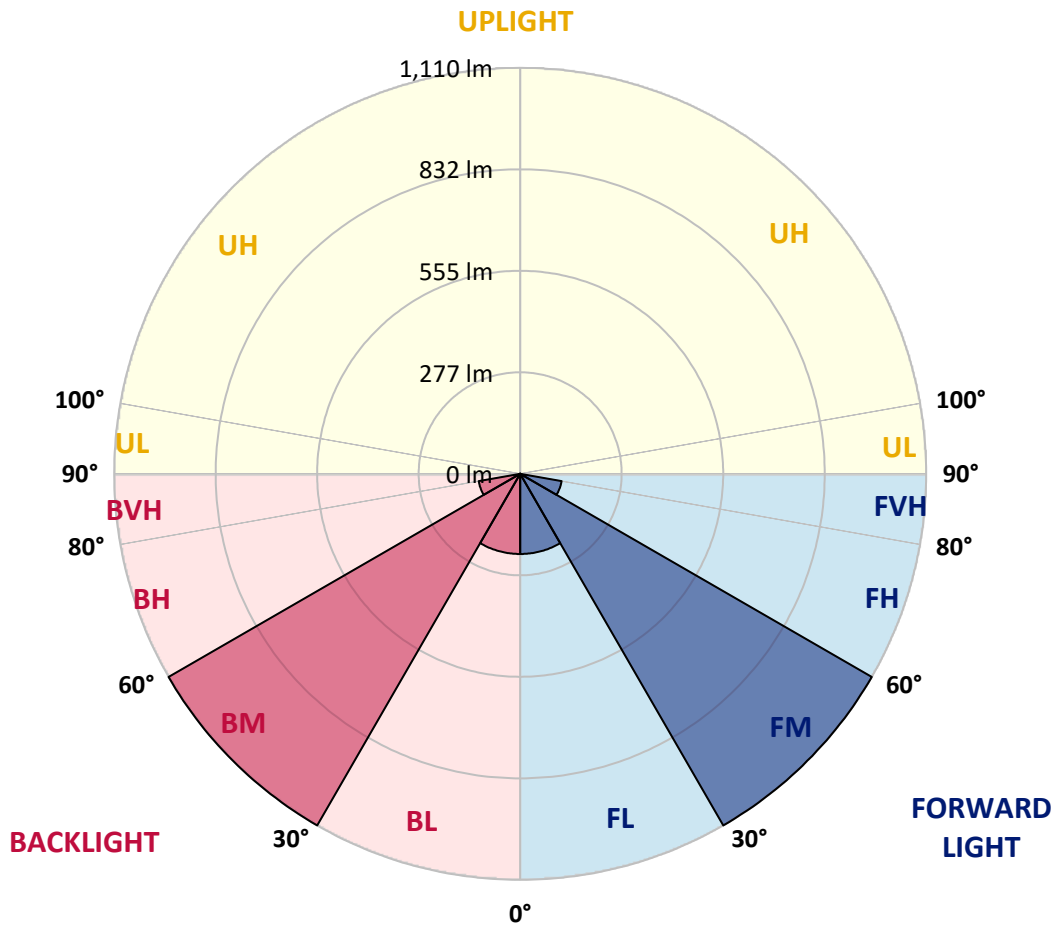
REPORT NUMBER: P526271
 CATALOG NUMBER: GALN-SA1B-727-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.1	7.6			
FM (30°-60°)	1109.6	38.4			
FH (60°-80°)	115.0	4.0			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	219.1	7.6	B1/500		
BM (30°-60°)	1109.6	38.4	B2/2500		
BH (60°-80°)	115.0	4.0	B1/500		G0/660
BVH (80°-90°)	1.3	0.0			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: P526271
 CATALOG NUMBER: GALN-SA1B-727-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	506.4	506.4	506.4	506.4	506.4	506.4	506.4	506.4	506.4	506.4	506.4
2.5°	507.4	507.4	508.0	508.5	504.8	503.2	503.8	502.7	502.2	503.8	503.8
5°	505.9	505.9	504.3	504.8	504.8	500.1	500.1	501.2	501.2	498.0	497.0
7.5°	501.7	500.6	498.5	501.2	499.6	499.6	495.9	493.3	492.3	494.3	492.3
10°	492.8	493.3	495.4	496.4	495.4	498.5	492.3	488.6	484.9	483.3	483.3
12.5°	488.6	491.7	488.6	491.2	494.9	492.3	488.6	486.0	480.7	478.6	478.6
15°	488.1	490.2	491.2	494.9	493.3	494.3	487.0	483.9	476.0	472.4	470.8
17.5°	487.5	490.2	491.7	498.5	499.6	500.1	494.3	484.9	478.1	474.4	470.8
20°	493.3	494.3	497.5	504.3	508.5	515.8	505.3	495.4	480.7	476.5	475.0
22.5°	500.6	505.9	509.0	516.3	527.3	533.6	520.0	507.4	492.3	487.0	480.7
25°	524.2	523.1	528.4	543.6	552.5	557.2	546.2	527.9	508.0	501.7	502.7
27.5°	553.5	554.6	559.3	576.0	589.1	596.5	583.4	559.3	539.9	529.4	528.4
30°	591.7	590.7	595.9	618.5	642.0	653.0	630.0	601.7	582.8	569.2	572.4
32.5°	632.1	632.6	647.3	667.7	705.9	727.4	690.2	655.6	627.4	617.9	613.2
35°	691.8	694.4	705.9	737.3	779.7	807.5	766.7	725.3	692.8	675.5	677.6
37.5°	765.6	763.0	782.4	816.4	860.9	881.3	846.8	799.6	766.7	755.1	762.5
40°	844.2	846.8	856.7	887.6	937.4	951.0	899.7	874.0	845.2	839.4	848.3
42.5°	922.7	921.1	928.5	956.2	992.4	982.9	952.6	937.4	916.9	905.4	917.5
45°	980.3	977.7	991.3	1010.2	1023.3	1005.4	991.8	986.6	976.1	963.6	974.6
47.5°	1036.3	1034.3	1047.3	1052.6	1053.6	1030.1	1032.7	1042.1	1015.9	989.7	1002.3
50°	1084.0	1080.3	1096.6	1108.1	1105.5	1067.8	1077.2	1067.8	1026.9	996.0	991.3
52.5°	1163.6	1165.2	1182.4	1203.4	1197.1	1165.7	1152.1	1109.1	1056.8	1029.0	1012.8
55°	1213.9	1206.0	1235.9	1302.4	1309.7	1277.2	1217.0	1153.6	1075.1	1041.1	1036.9
56°	1166.7	1176.7	1223.8	1298.2	1335.9	1306.0	1218.6	1142.7	1056.2	1010.2	1007.0
57.5°	1046.8	1041.6	1105.5	1207.1	1309.7	1297.1	1175.6	1064.1	963.6	911.7	905.4
60°	651.4	666.6	722.7	848.3	985.5	991.8	871.4	775.6	658.3	612.2	623.2
62.5°	255.0	241.9	277.0	370.8	465.0	486.0	440.4	366.0	300.6	255.0	251.9
65°	59.2	57.6	64.9	89.5	125.2	145.1	137.7	99.0	72.8	69.1	63.9
67.5°	33.5	33.5	31.9	31.9	35.1	37.2	35.6	35.1	36.7	38.2	37.7
70°	23.6	23.0	22.0	22.5	21.5	21.5	23.0	25.7	27.8	27.8	28.3
72.5°	14.1	14.1	14.1	15.7	15.7	15.7	17.3	19.4	19.9	19.4	18.9
75°	6.3	6.3	7.3	8.9	9.9	10.5	12.0	13.1	14.1	13.1	12.0
77.5°	1.6	1.6	2.6	3.7	4.7	5.8	7.9	9.4	9.9	9.4	7.9
80°	0.5	0.5	1.0	2.6	4.7	5.8	7.9	8.4	8.9	7.9	6.3
82.5°	0.5	0.5	1.0	2.6	3.7	4.7	6.3	7.3	7.9	6.8	6.3
85°	0.0	0.5	1.0	2.1	3.1	4.2	4.2	3.1	2.6	1.6	2.1
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)