

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: P532826

Luminaire Tested: **GALN-SA8B-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8B-727-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34612 lumens  
Efficiency: N/A  
Efficacy: 106.5 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

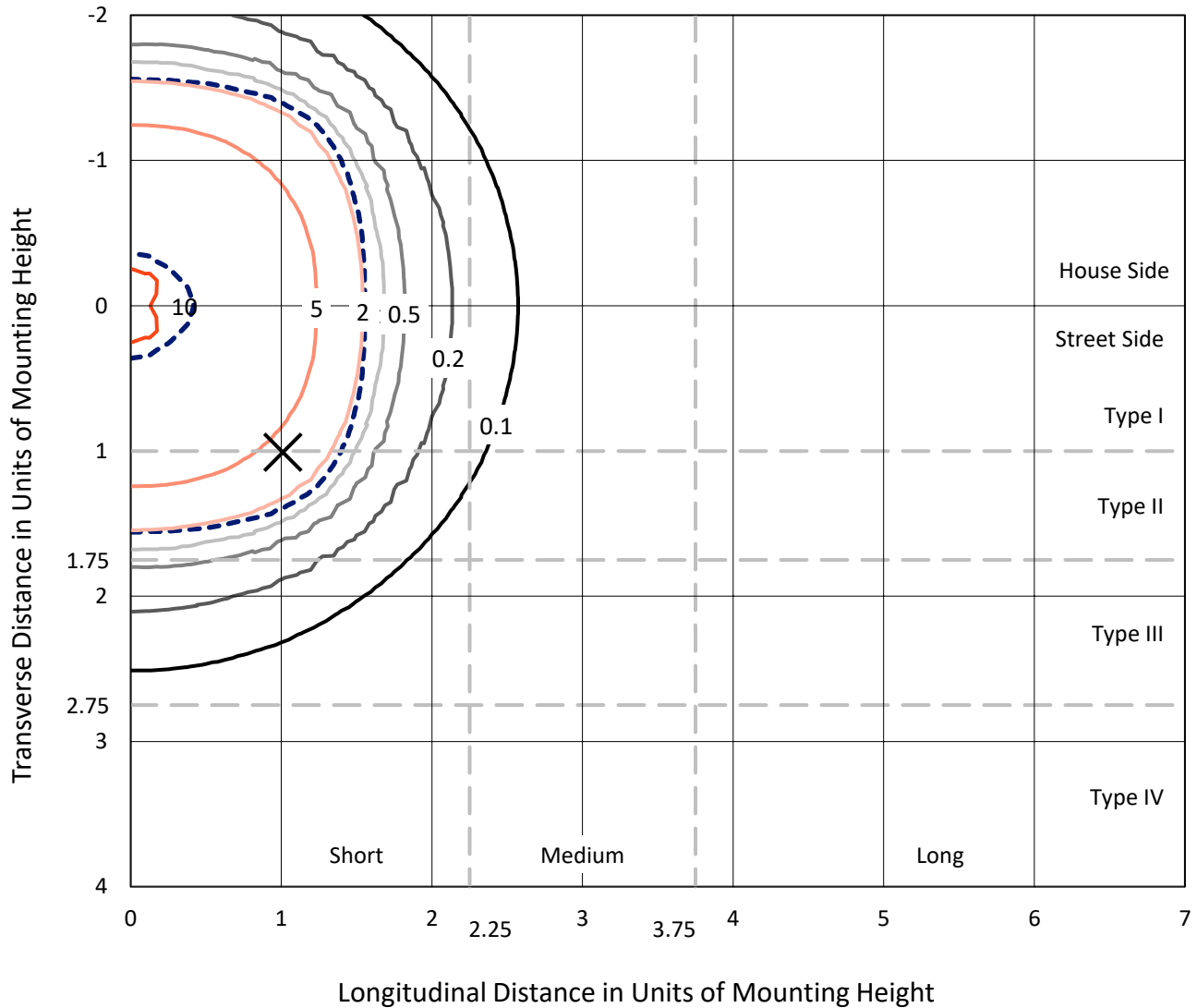
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P532826  
 CATALOG NUMBER: GALN-SA8B-727-U-5NQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

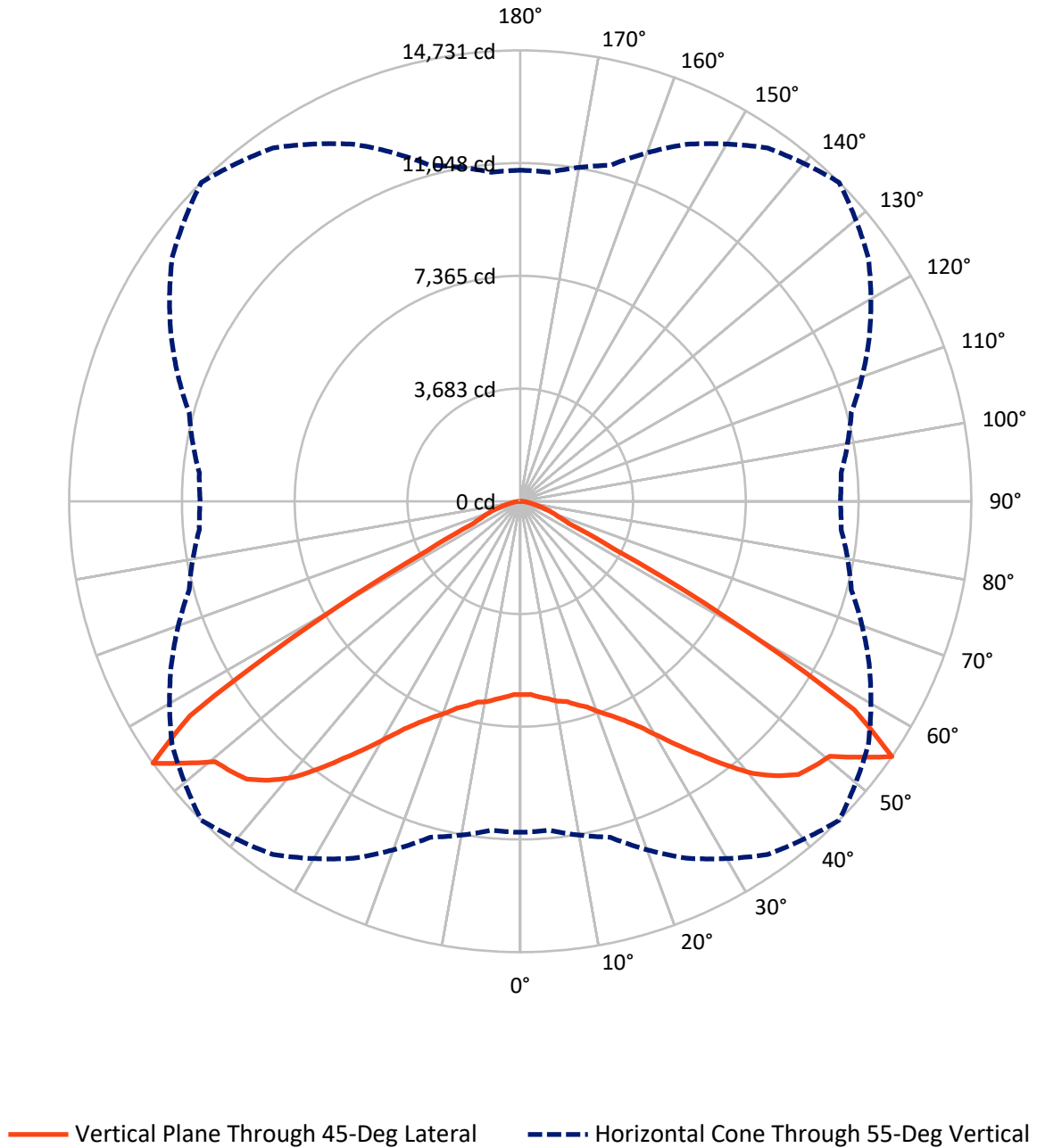
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P532826  
CATALOG NUMBER: GALN-SA8B-727-U-5NQ-GRSWH

### Luminous Intensity Polar Plot



REPORT NUMBER: P532826  
 CATALOG NUMBER: GALN-SA8B-727-U-5NQ-GRSWH

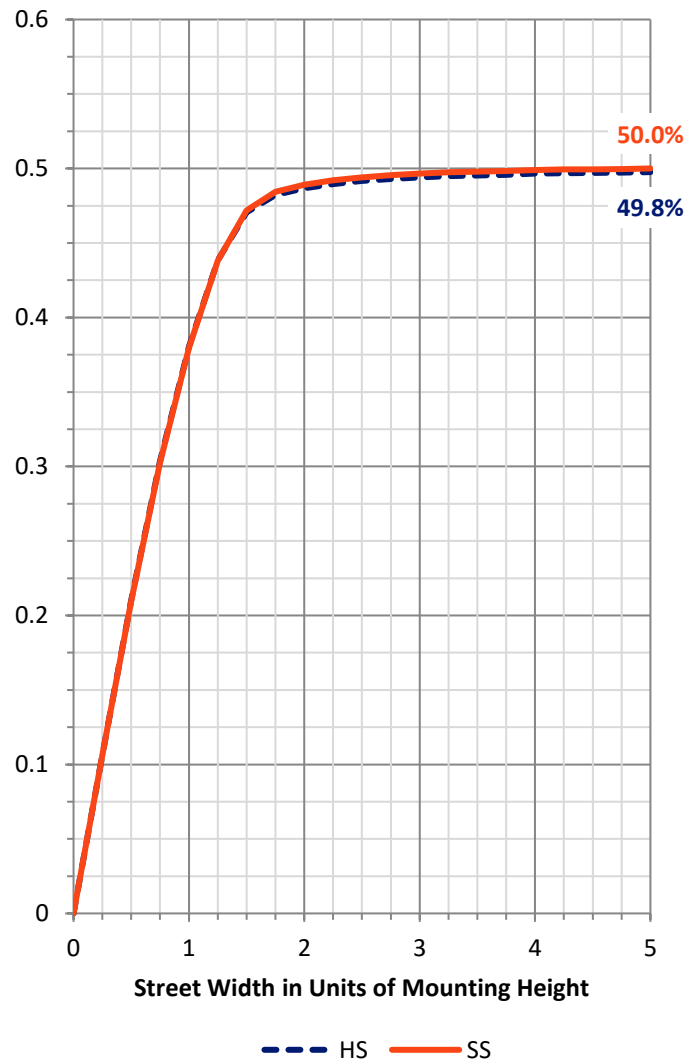
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17306.0	0.0	17306.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17306.0	0.0	17306.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34612.0	0.0	34612.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	617.4	1.8
10°-20°	1956.1	5.7
20°-30°	3647.6	10.5
30°-40°	6107.2	17.6
40°-50°	9503.3	27.5
50°-60°	9867.4	28.5
60°-70°	2092.6	6.0
70°-80°	689.2	2.0
80°-90°	131.2	0.4
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°	34612.0	100.0
0°-180°	34612.0	100.0



REPORT NUMBER: P532826

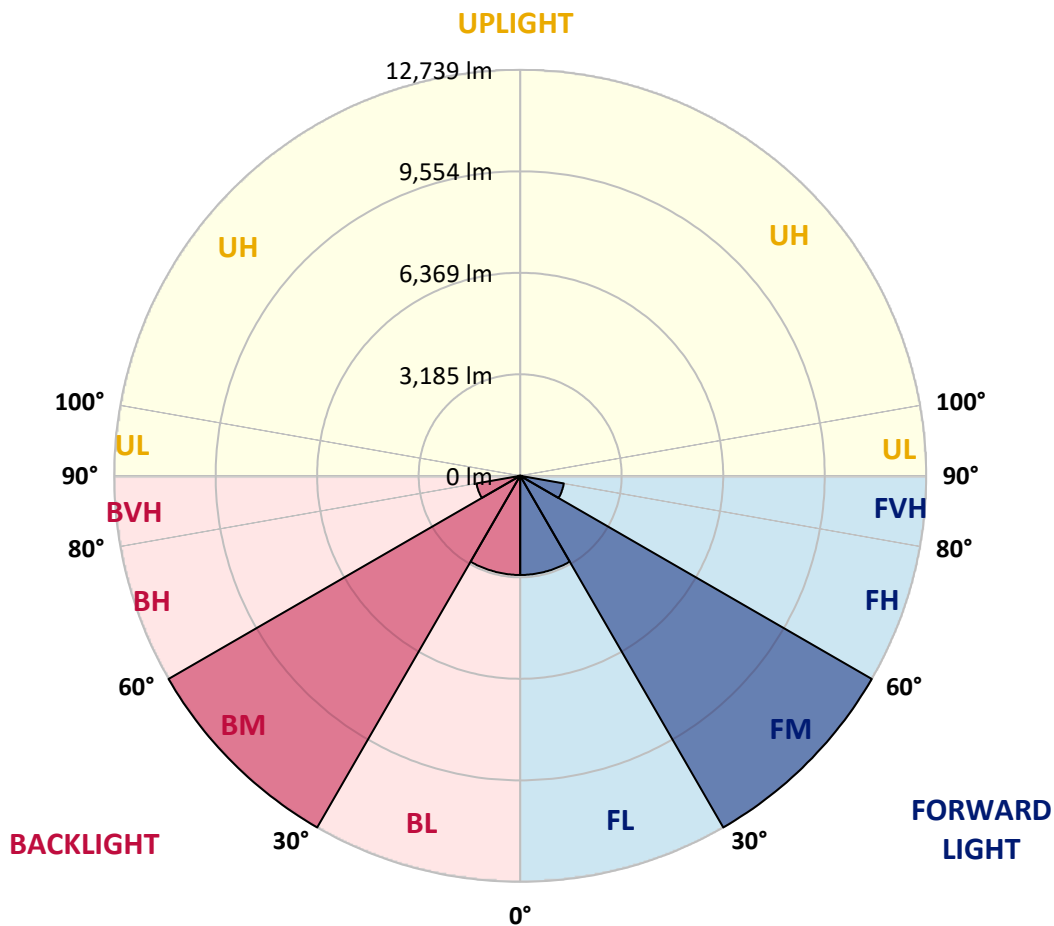
CATALOG NUMBER: GALN-SA8B-727-U-5NQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3110.5	9.0			
FM (30°-60°)	12739.0	36.8			
FH (60°-80°)	1390.9	4.0			G1/1800
FVH (80°-90°)	65.6	0.2			G1/100
BL (0°-30°)	3110.5	9.0	B4/5000		
BM (30°-60°)	12739.0	36.8	B5		
BH (60°-80°)	1390.9	4.0	B3/2500		G1/1800
BVH (80°-90°)	65.6	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: P532826

CATALOG NUMBER: GALN-SA8B-727-U-5NQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6319.6	6319.6	6319.6	6319.6	6319.6	6319.6	6319.6	6319.6	6319.6	6319.6	6319.6
2.5°	6394.9	6365.6	6315.5	6353.1	6382.4	6319.6	6344.7	6357.3	6348.9	6315.5	6328.0
5°	6486.9	6470.2	6428.4	6457.7	6420.0	6420.0	6394.9	6361.5	6411.6	6403.3	6424.2
7.5°	6486.9	6466.0	6549.7	6495.3	6512.0	6512.0	6470.2	6436.7	6461.8	6424.2	6403.3
10°	6616.6	6645.9	6608.2	6620.8	6612.4	6641.7	6578.9	6558.0	6537.1	6524.6	6499.5
12.5°	6771.3	6750.4	6763.0	6754.6	6783.9	6708.6	6671.0	6625.0	6662.6	6608.2	6645.9
15°	6896.8	6884.3	6896.8	6930.3	6901.0	6896.8	6829.9	6783.9	6725.3	6737.9	6679.3
17.5°	7068.3	7055.7	7059.9	7089.2	7085.0	7064.1	7013.9	6926.1	6905.2	6871.7	6834.1
20°	7323.4	7302.5	7294.1	7306.7	7327.6	7344.3	7243.9	7210.5	7139.4	7085.0	7022.3
22.5°	7540.9	7532.5	7566.0	7511.6	7557.6	7607.8	7511.6	7494.9	7319.2	7290.0	7223.0
25°	7842.0	7829.5	7808.6	7888.0	7942.4	7938.2	7846.2	7754.2	7620.4	7586.9	7586.9
27.5°	8159.9	8088.8	8197.5	8218.5	8314.6	8343.9	8264.5	8130.6	8005.1	7934.0	7950.8
30°	8557.2	8490.3	8515.4	8666.0	8791.4	8900.2	8699.4	8502.9	8327.2	8201.7	8180.8
32.5°	8954.6	8887.6	8962.9	9109.3	9360.3	9523.4	9326.8	8983.8	8778.9	8594.9	8632.5
35°	9276.6	9326.8	9448.1	9669.8	9929.1	10192.6	9878.9	9615.4	9322.6	9117.7	9147.0
37.5°	9795.2	9950.0	10046.2	10301.3	10669.4	10941.2	10615.0	10272.0	9958.3	9690.7	9598.7
40°	10472.8	10577.3	10686.1	10987.2	11422.2	11694.0	11384.5	10937.0	10627.5	10351.5	10338.9
42.5°	11217.2	11317.6	11430.6	11798.6	12057.9	12262.9	11978.4	11740.0	11397.1	11179.6	11167.1
45°	12083.0	12011.9	12137.4	12380.0	12597.4	12731.3	12547.3	12430.1	12183.4	11982.6	11961.7
47.5°	12660.2	12597.4	12823.3	13040.8	13074.2	12927.9	12965.5	13074.2	12814.9	12484.5	12589.1
50°	12994.8	12994.8	13145.3	13346.1	13283.4	13095.2	13392.1	13400.5	13141.2	12848.4	12848.4
52.5°	12413.4	12543.1	12969.7	13626.3	13835.4	13889.8	13822.9	13538.5	12860.9	12262.9	12233.6
55°	10815.7	10786.5	11363.6	12869.3	14086.4	14730.5	13877.3	12568.2	11192.2	10518.8	10451.9
57.5°	7034.8	7068.3	7929.9	9464.8	11660.6	12860.9	11422.2	9581.9	7929.9	7001.4	7089.2
60°	3166.1	3279.0	3801.8	4947.8	6834.1	7812.8	6850.8	5198.7	3990.0	3463.0	3509.0
62.5°	1819.4	1840.3	1861.2	2208.3	2911.0	3442.1	3023.9	2333.8	2057.8	1965.7	1965.7
65°	1534.9	1522.4	1526.6	1555.9	1631.1	1739.9	1693.9	1631.1	1639.5	1631.1	1618.6
67.5°	1304.9	1321.6	1309.1	1330.0	1334.2	1350.9	1380.2	1405.3	1409.5	1417.8	1409.5
70°	1070.7	1074.9	1083.2	1100.0	1104.2	1116.7	1158.5	1179.4	1192.0	1192.0	1208.7
72.5°	819.8	815.6	823.9	840.7	861.6	865.8	903.4	932.7	949.4	928.5	932.7
75°	539.5	543.7	556.3	568.8	598.1	627.4	639.9	669.2	673.4	681.7	660.8
77.5°	322.0	330.4	343.0	368.1	393.1	418.2	447.5	468.4	476.8	468.4	443.3
80°	209.1	209.1	225.9	246.8	276.0	297.0	313.7	330.4	343.0	330.4	322.0
82.5°	129.7	129.7	150.6	175.7	196.6	209.1	234.2	255.1	267.7	259.3	246.8
85°	66.9	71.1	87.8	108.7	125.5	133.8	129.7	117.1	104.6	100.4	92.0
87.5°	20.9	20.9	25.1	25.1	20.9	20.9	25.1	20.9	25.1	25.1	25.1
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)