

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: P531892

Luminaire Tested: **GALN-SA7B-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28120 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

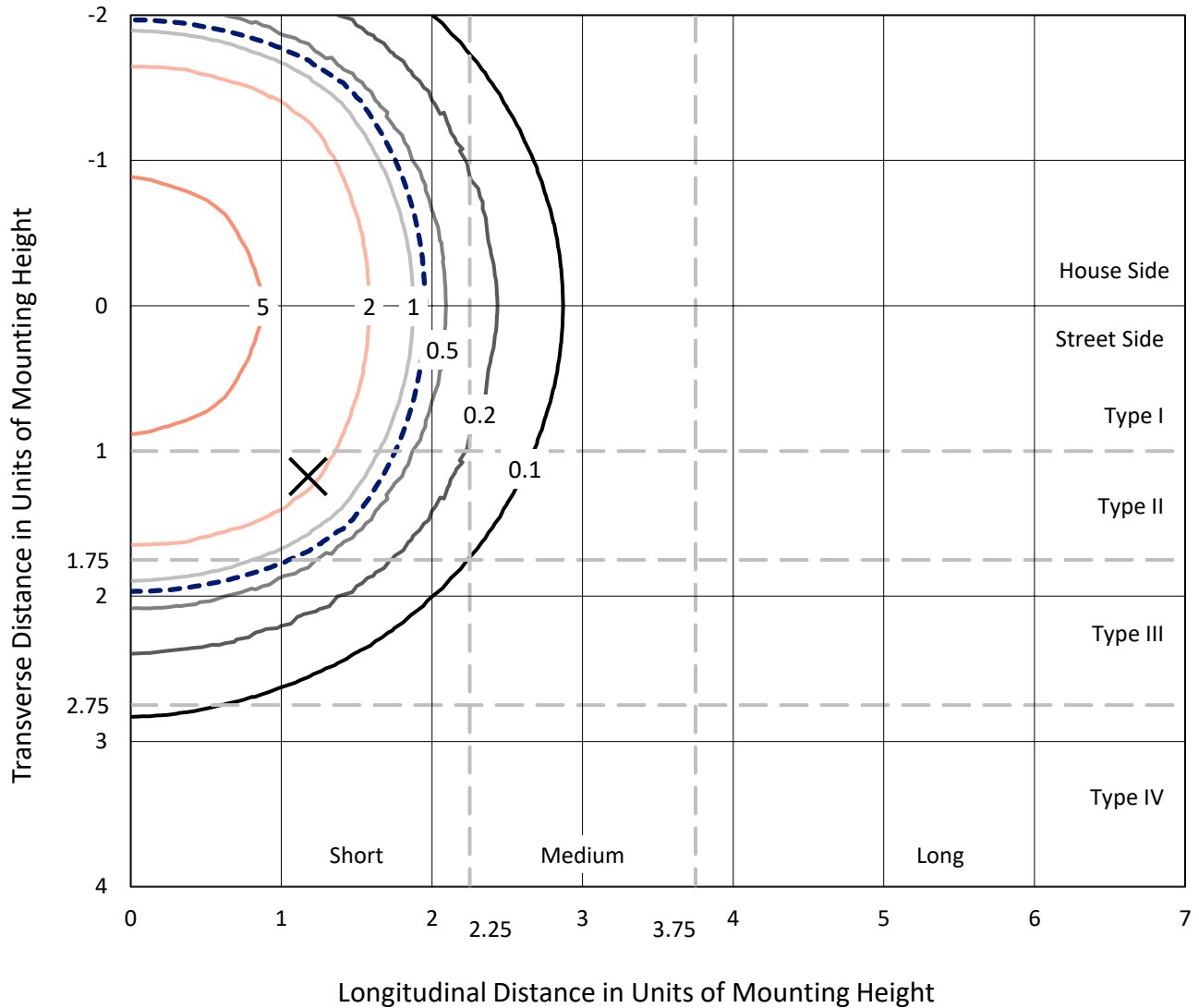
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531892
 CATALOG NUMBER: GALN-SA7B-727-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

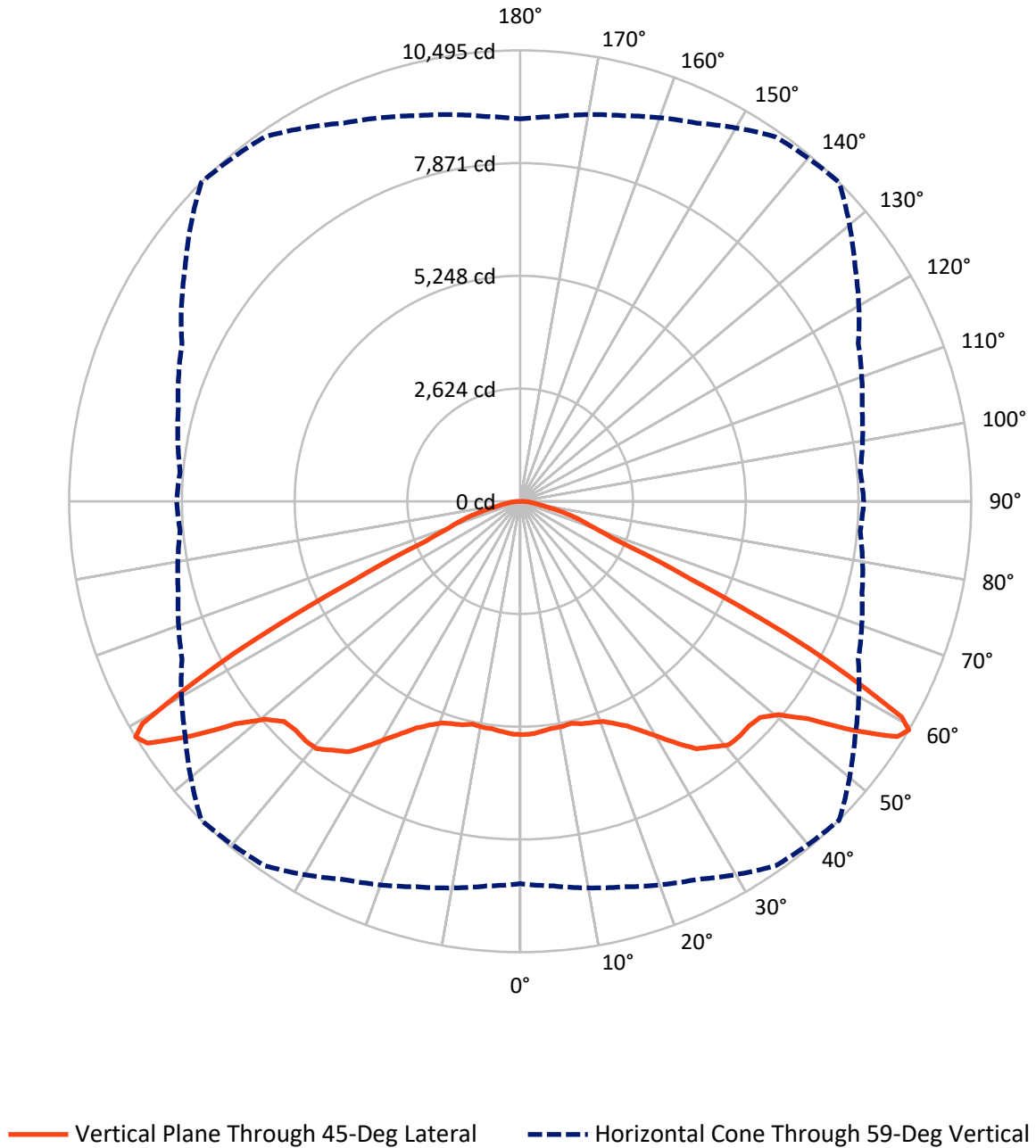
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

REPORT NUMBER: P531892
CATALOG NUMBER: GALN-SA7B-727-U-5WQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P531892
 CATALOG NUMBER: GALN-SA7B-727-U-5WQ-GRSWH

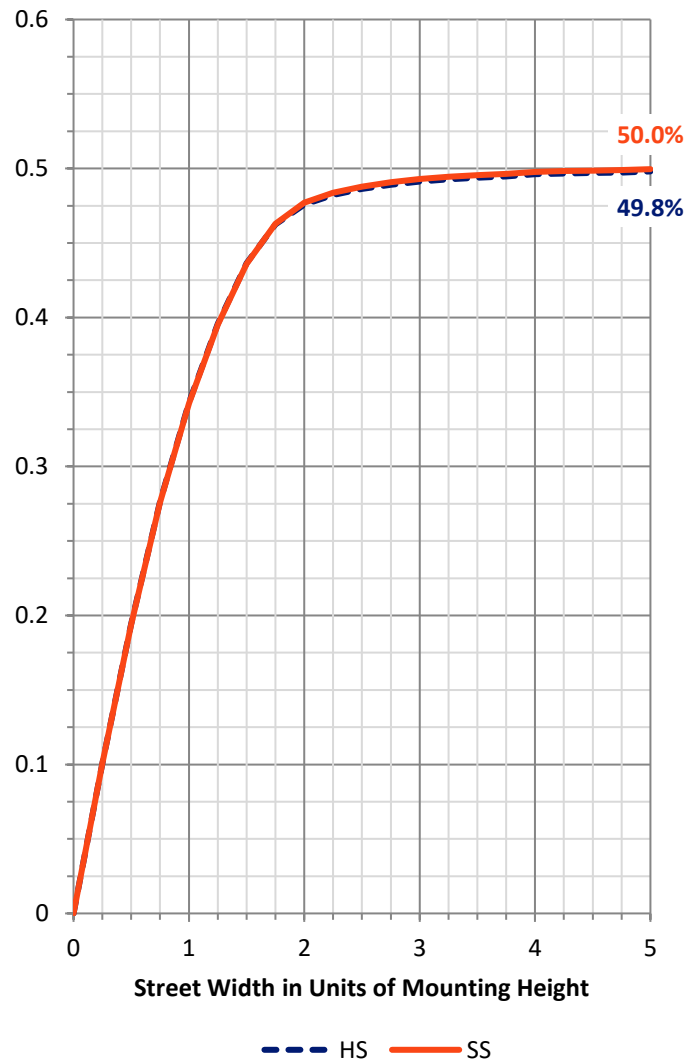
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14060.0	0.0	14060.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14060.0	0.0	14060.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28120.0	0.0	28120.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.0	1.8
10°-20°	1522.6	5.4
20°-30°	2658.7	9.5
30°-40°	4246.3	15.1
40°-50°	5784.3	20.6
50°-60°	7821.9	27.8
60°-70°	4289.6	15.3
70°-80°	1097.4	3.9
80°-90°	187.2	0.7
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°	28120.0	100.0
0°-180°	28120.0	100.0



REPORT NUMBER: P531892

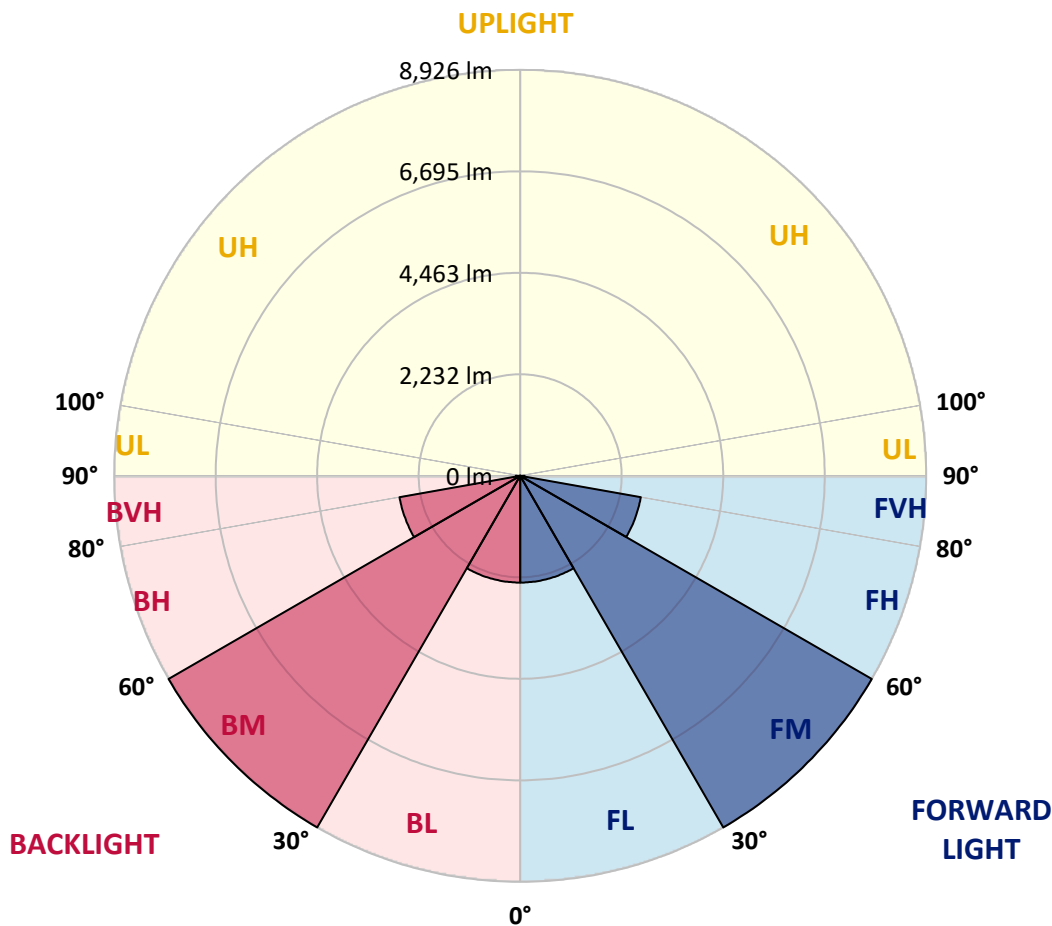
CATALOG NUMBER: GALN-SA7B-727-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2346.7	8.3			
FM (30°-60°)	8926.3	31.7			
FH (60°-80°)	2693.5	9.6			G2/5000
FVH (80°-90°)	93.6	0.3			G1/100
BL (0°-30°)	2346.7	8.3	B3/2500		
BM (30°-60°)	8926.3	31.7	B5		
BH (60°-80°)	2693.5	9.6	B4/5000		G2/5000
BVH (80°-90°)	93.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





REPORT NUMBER: P531892

CATALOG NUMBER: GALN-SA7B-727-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5431.4	5431.4	5431.4	5431.4	5431.4	5431.4	5431.4	5431.4	5431.4	5431.4	5431.4
2.5°	5399.0	5438.6	5409.8	5435.0	5431.4	5420.6	5402.6	5391.8	5377.4	5399.0	5363.0
5°	5377.4	5409.8	5442.3	5399.0	5399.0	5377.4	5366.6	5344.9	5344.9	5341.3	5337.7
7.5°	5413.4	5381.0	5366.6	5373.8	5381.0	5334.1	5366.6	5323.3	5287.3	5312.5	5341.3
10°	5381.0	5395.4	5341.3	5366.6	5326.9	5334.1	5312.5	5341.3	5301.7	5301.7	5301.7
12.5°	5413.4	5373.8	5391.8	5373.8	5363.0	5301.7	5330.5	5298.1	5294.5	5330.5	5298.1
15°	5478.3	5413.4	5399.0	5363.0	5373.8	5373.8	5344.9	5348.5	5308.9	5330.5	5337.7
17.5°	5456.7	5420.6	5409.8	5366.6	5402.6	5413.4	5359.4	5323.3	5348.5	5344.9	5341.3
20°	5474.7	5489.1	5478.3	5485.5	5499.9	5471.1	5420.6	5370.2	5337.7	5384.6	5381.0
22.5°	5590.0	5575.6	5568.4	5561.2	5586.4	5615.3	5546.8	5467.5	5467.5	5499.9	5514.3
25°	5683.7	5680.1	5676.5	5709.0	5795.5	5795.5	5709.0	5608.0	5582.8	5604.4	5586.4
27.5°	5820.7	5860.3	5845.9	5903.6	6029.7	6058.6	5943.2	5824.3	5755.8	5730.6	5763.0
30°	6134.2	6087.4	6098.2	6159.5	6271.2	6364.9	6188.3	6062.2	5968.5	5964.9	5979.3
32.5°	6343.3	6379.3	6411.8	6469.4	6646.0	6718.1	6505.5	6300.0	6242.4	6209.9	6220.7
35°	6761.4	6728.9	6721.7	6779.4	6956.0	7074.9	6808.2	6628.0	6552.3	6624.4	6624.4
37.5°	7157.8	7067.7	6999.2	7074.9	7237.1	7251.5	7024.5	6927.2	6887.5	6970.4	6966.8
40°	7345.2	7338.0	7179.4	7222.7	7438.9	7460.6	7247.9	7132.6	7125.4	7233.5	7341.6
42.5°	7539.9	7471.4	7312.8	7341.6	7475.0	7482.2	7280.4	7247.9	7327.2	7431.7	7438.9
45°	7572.3	7514.6	7413.7	7341.6	7438.9	7460.6	7341.6	7363.3	7370.5	7496.6	7496.6
47.5°	7637.2	7630.0	7572.3	7518.2	7536.3	7518.2	7442.5	7475.0	7583.1	7644.4	7615.5
50°	7817.4	7741.7	7799.4	7752.5	7756.1	7806.6	7738.1	7770.5	7748.9	7694.8	7658.8
52.5°	8213.8	8177.8	8228.3	8260.7	8296.7	8412.1	8332.8	8159.8	7997.6	7853.4	7849.8
55°	8794.1	8819.3	8916.6	9082.4	9223.0	9406.8	9024.8	8610.3	8350.8	8123.7	8138.1
57.5°	9341.9	9323.9	9457.3	9835.7	10246.6	10340.3	9590.6	8999.5	8577.9	8433.7	8372.4
59°	8902.2	8988.7	9291.5	9713.2	10358.3	10495.3	9514.9	8682.4	8235.5	7943.5	7994.0
60°	8210.2	8242.7	8513.0	9100.5	9972.7	10206.9	9006.7	8192.2	7597.5	7428.1	7503.8
62.5°	5802.7	5777.4	5972.1	6451.4	7233.5	7550.7	6696.5	6123.4	5748.6	5561.2	5604.4
65°	3085.1	3200.5	3279.8	3578.9	3993.4	4328.6	3975.4	3726.7	3517.6	3362.7	3359.1
67.5°	2083.2	2068.8	2086.8	2155.3	2295.8	2389.5	2382.3	2256.2	2238.2	2209.3	2241.8
70°	1755.2	1748.0	1715.6	1715.6	1744.4	1766.0	1791.3	1805.7	1834.5	1870.5	1866.9
72.5°	1423.6	1405.6	1384.0	1373.2	1409.2	1420.0	1452.5	1466.9	1492.1	1488.5	1520.9
75°	940.7	940.7	965.9	994.7	1005.6	1027.2	1030.8	1074.0	1074.0	1081.2	1052.4
77.5°	526.2	511.8	529.8	558.6	583.9	623.5	663.2	695.6	713.6	706.4	706.4
80°	306.4	306.4	324.4	356.8	389.2	425.3	454.1	479.4	497.4	490.2	475.7
82.5°	191.0	191.0	209.0	241.5	266.7	288.3	328.0	360.4	382.0	374.8	356.8
85°	97.3	97.3	118.9	140.6	173.0	187.4	183.8	169.4	165.8	147.8	147.8
87.5°	25.2	25.2	36.0	39.6	32.4	36.0	36.0	36.0	36.0	36.0	39.6
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)