

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: P531111

Luminaire Tested: **GALN-SA6B-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12939 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

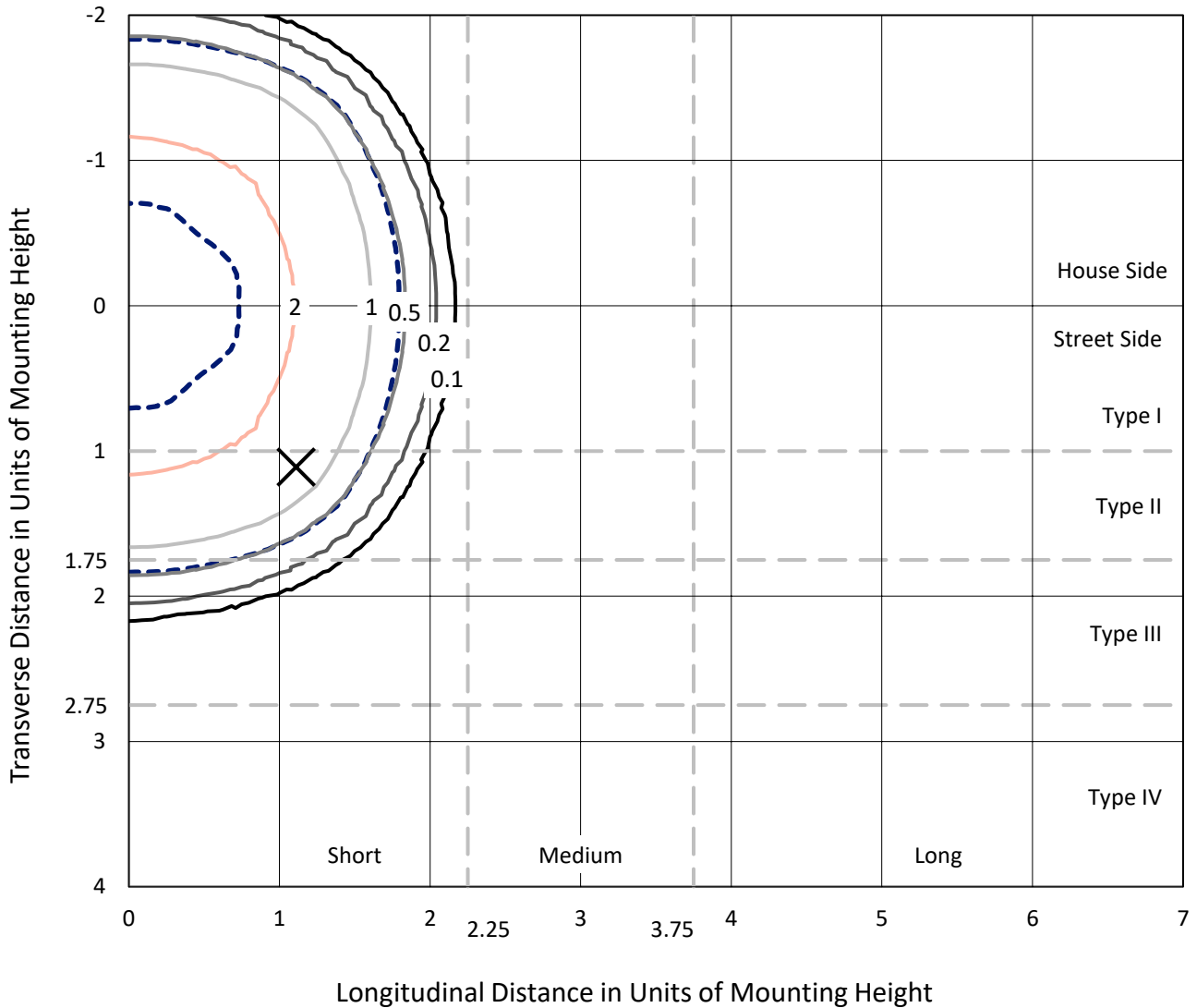
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531111
 CATALOG NUMBER: GALN-SA6B-827-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

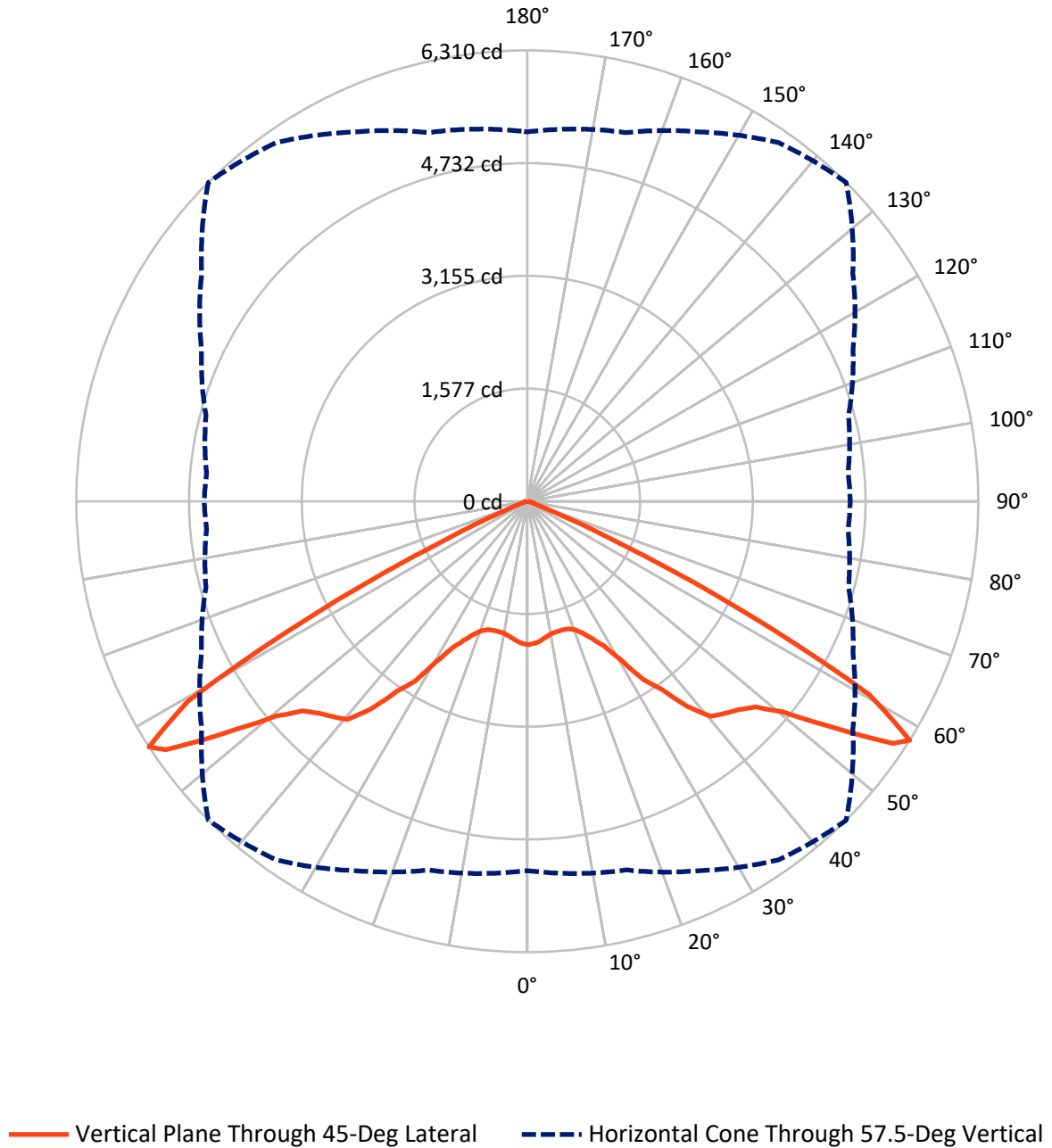
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

REPORT NUMBER: P531111
CATALOG NUMBER: GALN-SA6B-827-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P531111
 CATALOG NUMBER: GALN-SA6B-827-U-5WQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6469.5	0.0	6469.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6469.5	0.0	6469.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12939.0	0.0	12939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	1.4
10°-20°	533.1	4.1
20°-30°	984.0	7.6
30°-40°	1935.2	15.0
40°-50°	3151.9	24.4
50°-60°	4495.0	34.7
60°-70°	1556.3	12.0
70°-80°	83.5	0.6
80°-90°	15.7	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°	12939.0	100.0
0°-180°	12939.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531111

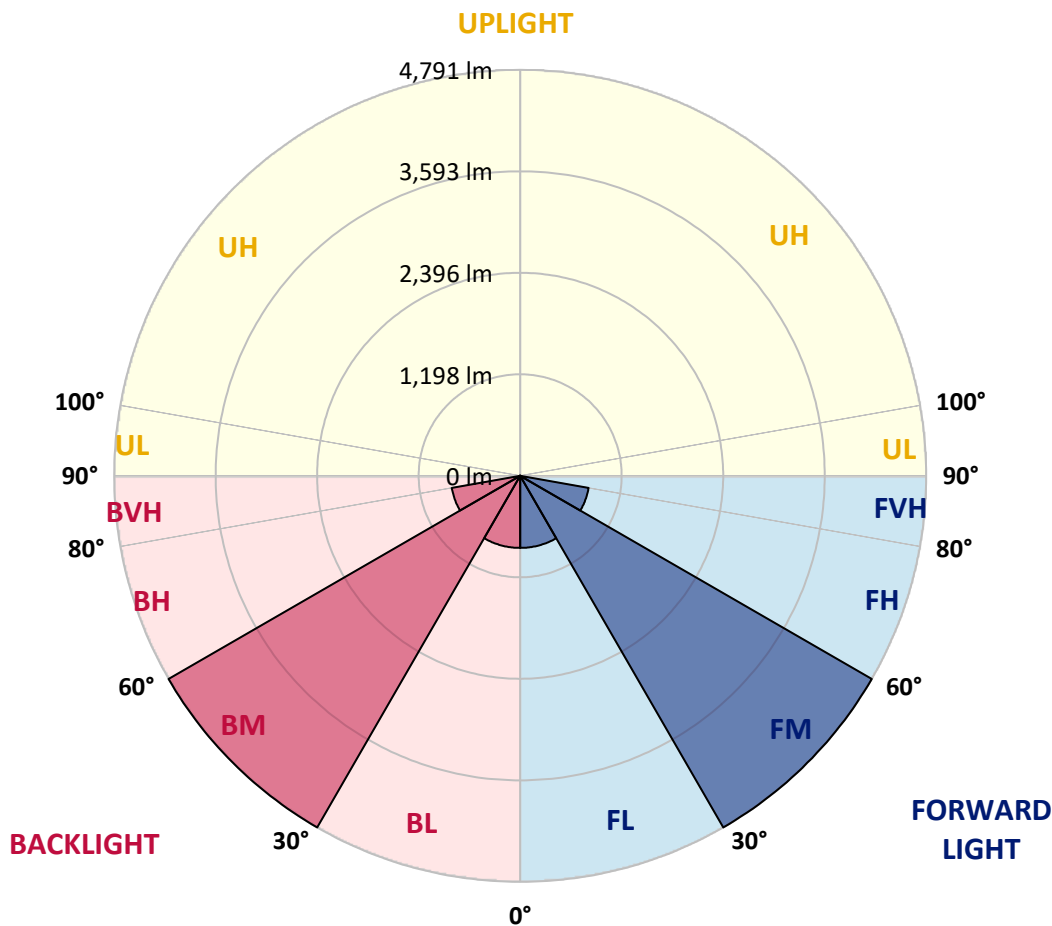
CATALOG NUMBER: GALN-SA6B-827-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	850.8	6.6			
FM (30°-60°)	4791.0	37.0			
FH (60°-80°)	819.9	6.3			G1/1800
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	850.8	6.6	B2/1000		
BM (30°-60°)	4791.0	37.0	B3/5000		
BH (60°-80°)	819.9	6.3	B2/1000		G1/1800
BVH (80°-90°)	7.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P531111

CATALOG NUMBER: GALN-SA6B-827-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2001.6	2012.4	1998.9	1993.5	1990.8	1990.8	1982.7	1982.7	1980.0	1982.7	1971.9
5°	1969.2	1980.0	1980.0	1977.3	1961.1	1958.4	1950.3	1944.9	1947.6	1936.8	1944.9
7.5°	1936.8	1944.9	1934.1	1931.4	1926.0	1915.3	1912.6	1888.3	1891.0	1891.0	1896.4
10°	1931.4	1928.7	1912.6	1899.1	1882.9	1880.2	1872.1	1866.7	1866.7	1864.0	1872.1
12.5°	1931.4	1918.0	1915.3	1885.6	1858.6	1869.4	1847.8	1834.3	1853.2	1858.6	1869.4
15°	1928.7	1942.2	1896.4	1882.9	1864.0	1866.7	1847.8	1834.3	1845.1	1850.5	1858.6
17.5°	1944.9	1936.8	1923.4	1896.4	1888.3	1877.5	1853.2	1842.4	1842.4	1855.9	1858.6
20°	1988.1	1966.5	1939.5	1926.0	1934.1	1920.7	1891.0	1850.5	1861.3	1872.1	1880.2
22.5°	2028.6	2012.4	1993.5	1985.4	2031.3	2009.7	1958.4	1912.6	1896.4	1915.3	1928.7
25°	2106.8	2106.8	2071.7	2082.5	2133.8	2136.5	2077.1	1996.2	1985.4	1993.5	1998.9
27.5°	2265.9	2274.0	2244.4	2255.1	2276.7	2295.6	2244.4	2176.9	2152.6	2149.9	2158.0
30°	2438.6	2454.8	2452.1	2497.9	2560.0	2570.8	2495.2	2384.6	2311.8	2298.3	2309.1
32.5°	2665.2	2673.3	2667.9	2721.8	2889.1	2967.3	2770.4	2613.9	2516.8	2541.1	2516.8
35°	3091.4	3083.3	3023.9	3034.7	3172.3	3229.0	3040.1	2940.3	2894.5	2943.0	2932.2
37.5°	3458.3	3428.6	3380.0	3450.2	3593.1	3644.4	3447.5	3272.1	3188.5	3269.4	3304.5
40°	3768.5	3692.9	3625.5	3695.6	3887.2	3957.3	3668.7	3525.7	3493.3	3552.7	3628.2
42.5°	4030.1	3981.6	3892.6	3898.0	4024.7	4057.1	3825.1	3741.5	3709.1	3803.5	3841.3
45°	4216.3	4170.4	4086.8	4081.4	4178.5	4156.9	3949.2	3892.6	3911.4	3973.5	3992.4
47.5°	4310.7	4335.0	4286.4	4299.9	4351.1	4299.9	4135.3	4135.3	4092.2	4129.9	4111.1
50°	4583.1	4507.6	4569.6	4569.6	4623.6	4629.0	4464.4	4405.1	4289.1	4224.4	4224.4
52.5°	4901.4	4906.8	4931.1	5020.1	5111.9	5190.1	4955.4	4701.8	4507.6	4424.0	4413.2
55°	5163.1	5217.1	5314.2	5481.4	5745.8	5853.7	5449.0	4995.9	4758.5	4629.0	4602.0
56°	5306.1	5254.8	5422.1	5651.4	5996.6	6136.9	5530.0	5055.2	4793.5	4647.9	4645.2
57.5°	5168.5	5225.1	5341.1	5702.6	6126.1	6309.6	5559.6	5028.2	4653.3	4504.9	4518.4
60°	4081.4	4135.3	4291.8	4696.4	5360.0	5503.0	4704.5	4146.1	3811.6	3598.5	3601.2
62.5°	2309.1	2349.6	2471.0	2845.9	3258.6	3396.2	2932.2	2560.0	2328.0	2209.3	2171.5
65°	849.7	833.5	852.4	1044.0	1297.5	1413.5	1219.3	1030.5	909.1	865.9	849.7
67.5°	318.3	294.0	275.1	294.0	369.6	391.1	358.8	299.4	280.5	288.6	294.0
70°	196.9	186.1	148.4	140.3	137.6	134.9	143.0	151.1	172.6	202.3	207.7
72.5°	137.6	129.5	105.2	99.8	94.4	91.7	105.2	116.0	134.9	156.5	159.2
75°	54.0	56.6	54.0	59.3	62.0	64.7	75.5	83.6	91.7	91.7	89.0
77.5°	10.8	10.8	16.2	21.6	27.0	35.1	51.3	59.3	62.0	59.3	51.3
80°	0.0	0.0	5.4	10.8	21.6	29.7	45.9	51.3	56.6	51.3	40.5
82.5°	0.0	0.0	5.4	13.5	21.6	27.0	43.2	54.0	62.0	56.6	43.2
85°	0.0	0.0	5.4	10.8	16.2	18.9	18.9	13.5	13.5	8.1	5.4
87.5°	0.0	0.0	0.0	0.0	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)