

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: P530019

Luminaire Tested: **GALN-SA5B-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530019  
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-SA5B-727-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 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: 12431 lumens  
Efficiency: N/A  
Efficacy: 60.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

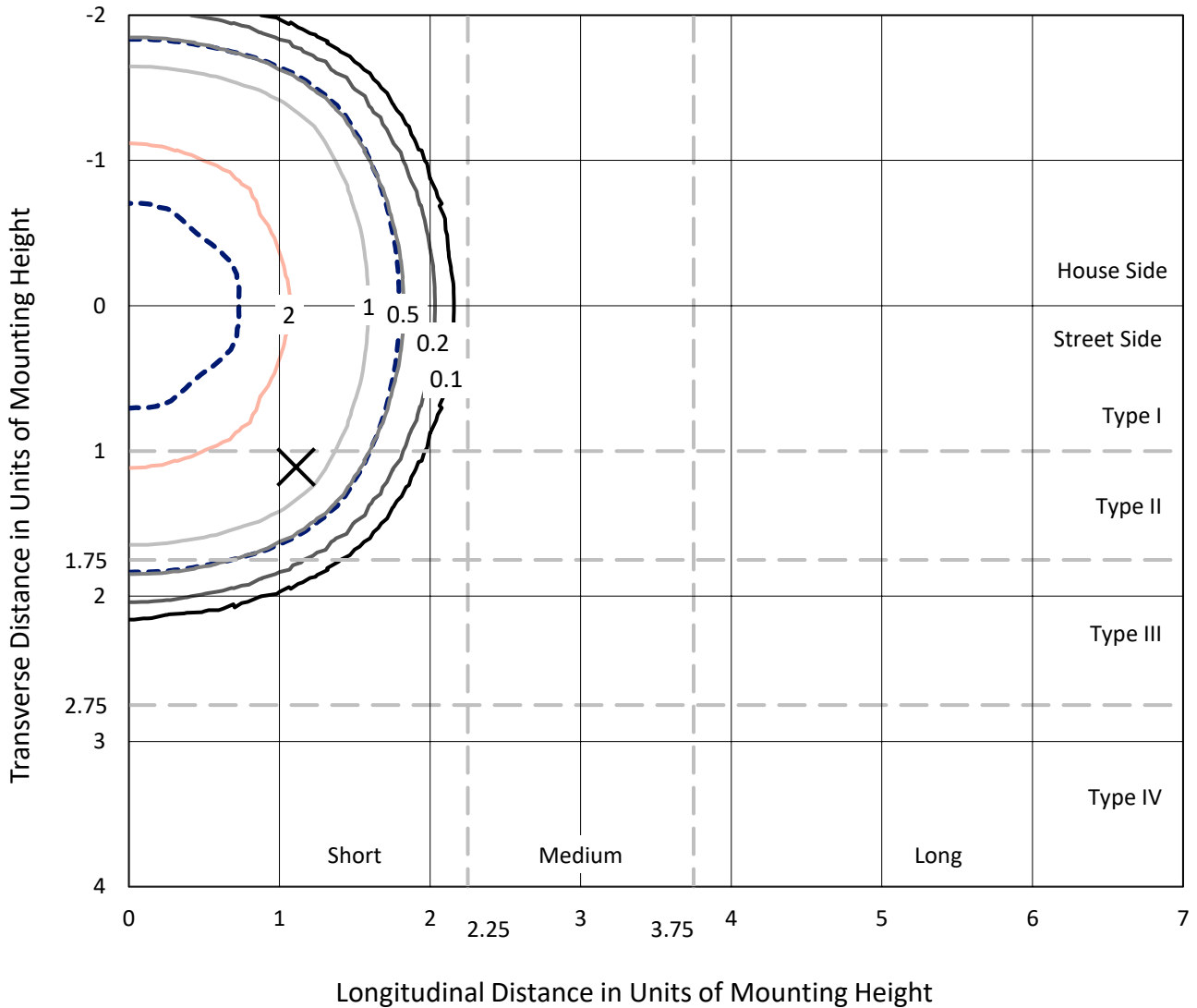
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P530019  
 CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

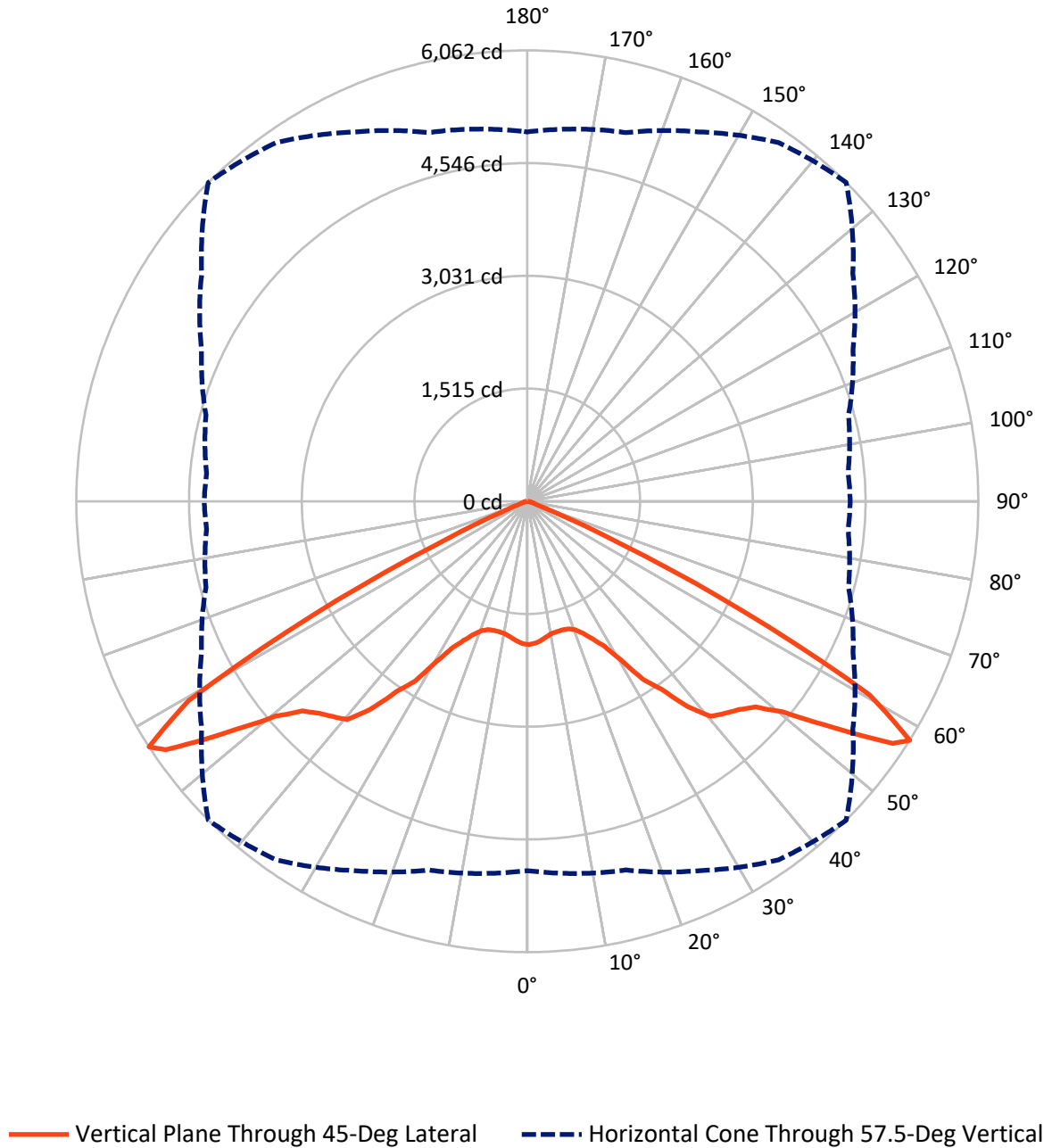
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P530019  
CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSBK

### Luminous Intensity Polar Plot



REPORT NUMBER: P530019  
 CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6215.5	0.0	6215.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6215.5	0.0	6215.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12431.0	0.0	12431.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.2	1.4
10°-20°	512.2	4.1
20°-30°	945.4	7.6
30°-40°	1859.2	15.0
40°-50°	3028.1	24.4
50°-60°	4318.5	34.7
60°-70°	1495.2	12.0
70°-80°	80.2	0.6
80°-90°	15.1	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°	12431.0	100.0
0°-180°	12431.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P530019

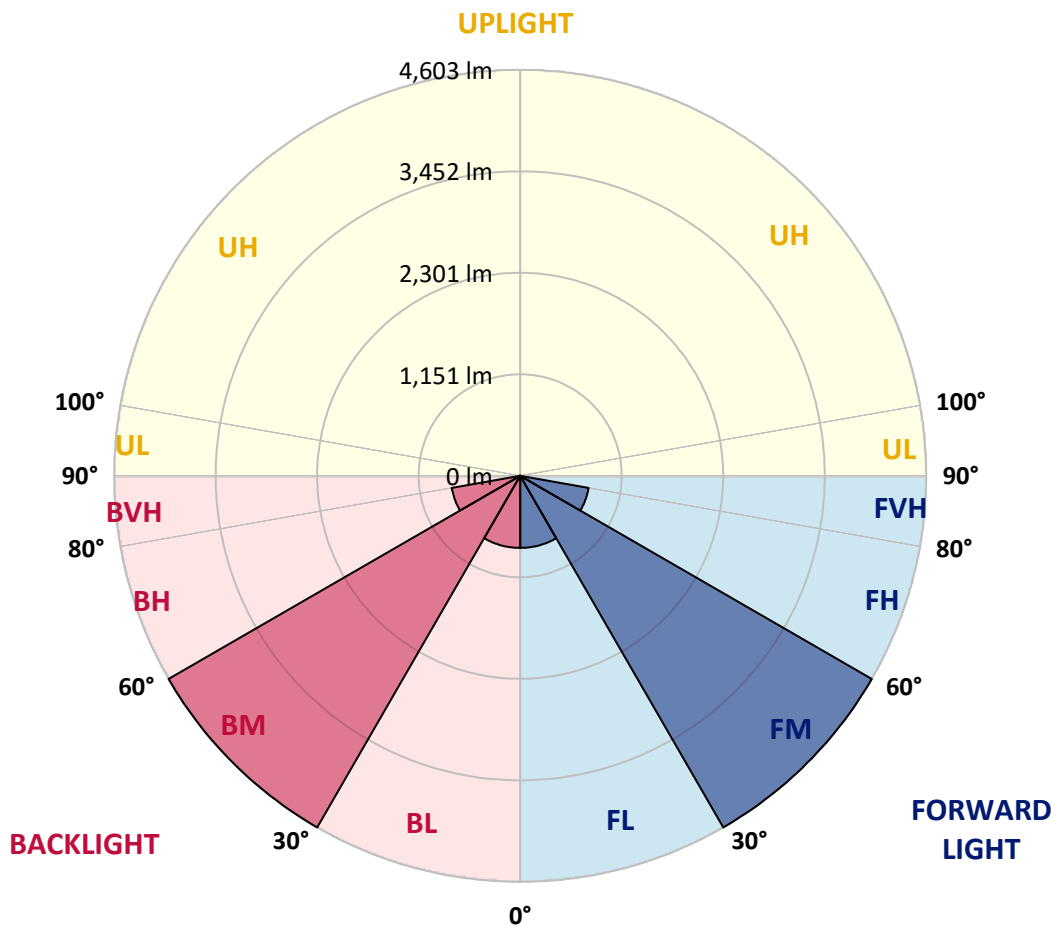
CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	817.4	6.6			
FM (30°-60°)	4602.9	37.0			
FH (60°-80°)	787.7	6.3			G1/1800
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	817.4	6.6	B2/1000		
BM (30°-60°)	4602.9	37.0	B3/5000		
BH (60°-80°)	787.7	6.3	B2/1000		G1/1800
BVH (80°-90°)	7.5	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: P530019

CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2	1928.2
2.5°	1923.0	1933.4	1920.4	1915.2	1912.6	1912.6	1904.9	1904.9	1902.3	1904.9	1894.5
5°	1891.9	1902.3	1902.3	1899.7	1884.1	1881.5	1873.8	1868.6	1871.2	1860.8	1868.6
7.5°	1860.8	1868.6	1858.2	1855.6	1850.4	1840.1	1837.5	1814.1	1816.7	1816.7	1821.9
10°	1855.6	1853.0	1837.5	1824.5	1809.0	1806.4	1798.6	1793.4	1793.4	1790.8	1798.6
12.5°	1855.6	1842.7	1840.1	1811.6	1785.6	1796.0	1775.3	1762.3	1780.5	1785.6	1796.0
15°	1853.0	1866.0	1821.9	1809.0	1790.8	1793.4	1775.3	1762.3	1772.7	1777.9	1785.6
17.5°	1868.6	1860.8	1847.8	1821.9	1814.1	1803.8	1780.5	1770.1	1770.1	1783.0	1785.6
20°	1910.0	1889.3	1863.4	1850.4	1858.2	1845.2	1816.7	1777.9	1788.2	1798.6	1806.4
22.5°	1948.9	1933.4	1915.2	1907.4	1951.5	1930.8	1881.5	1837.5	1821.9	1840.1	1853.0
25°	2024.1	2024.1	1990.4	2000.7	2050.0	2052.6	1995.6	1917.8	1907.4	1915.2	1920.4
27.5°	2177.0	2184.8	2156.2	2166.6	2187.3	2205.5	2156.2	2091.5	2068.1	2065.5	2073.3
30°	2342.8	2358.4	2355.8	2399.9	2459.5	2469.8	2397.3	2291.0	2221.0	2208.1	2218.4
32.5°	2560.5	2568.3	2563.1	2615.0	2775.6	2850.8	2661.6	2511.3	2418.0	2441.3	2418.0
35°	2970.0	2962.2	2905.2	2915.6	3047.8	3102.2	2920.8	2824.9	2780.8	2827.5	2817.1
37.5°	3322.5	3294.0	3247.3	3314.7	3452.1	3501.3	3312.1	3143.7	3063.3	3141.1	3174.8
40°	3620.5	3548.0	3483.2	3550.5	3734.5	3801.9	3524.6	3387.3	3356.2	3413.2	3485.8
42.5°	3871.9	3825.3	3739.7	3744.9	3866.7	3897.8	3674.9	3594.6	3563.5	3654.2	3690.5
45°	4050.7	4006.7	3926.3	3921.1	4014.4	3993.7	3794.2	3739.7	3757.9	3817.5	3835.6
47.5°	4141.4	4164.8	4118.1	4131.1	4180.3	4131.1	3973.0	3973.0	3931.5	3967.8	3949.7
50°	4403.2	4330.6	4390.2	4390.2	4442.1	4447.2	4289.2	4232.1	4120.7	4058.5	4058.5
52.5°	4709.0	4714.2	4737.5	4823.0	4911.2	4986.3	4760.8	4517.2	4330.6	4250.3	4239.9
55°	4960.4	5012.2	5105.5	5266.2	5520.2	5623.9	5235.1	4799.7	4571.6	4447.2	4421.3
56°	5097.8	5048.5	5209.2	5429.5	5761.2	5896.0	5312.9	4856.7	4605.3	4465.4	4462.8
57.5°	4965.6	5020.0	5131.4	5478.7	5885.6	6061.8	5341.4	4830.8	4470.6	4328.0	4341.0
60°	3921.1	3973.0	4123.3	4512.0	5149.6	5286.9	4519.8	3983.3	3662.0	3457.2	3459.8
62.5°	2218.4	2257.3	2373.9	2734.2	3130.7	3262.9	2817.1	2459.5	2236.6	2122.6	2086.3
65°	816.4	800.8	819.0	1003.0	1246.6	1358.0	1171.4	990.0	873.4	831.9	816.4
67.5°	305.8	282.5	264.3	282.5	355.1	375.8	344.7	287.7	269.5	277.3	282.5
70°	189.2	178.8	142.5	134.8	132.2	129.6	137.4	145.1	165.9	194.4	199.6
72.5°	132.2	124.4	101.1	95.9	90.7	88.1	101.1	111.4	129.6	150.3	152.9
75°	51.8	54.4	51.8	57.0	59.6	62.2	72.6	80.3	88.1	88.1	85.5
77.5°	10.4	10.4	15.5	20.7	25.9	33.7	49.2	57.0	59.6	57.0	49.2
80°	0.0	0.0	5.2	10.4	20.7	28.5	44.1	49.2	54.4	49.2	38.9
82.5°	0.0	0.0	5.2	13.0	20.7	25.9	41.5	51.8	59.6	54.4	41.5
85°	0.0	0.0	5.2	10.4	15.5	18.1	18.1	13.0	13.0	7.8	5.2
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)