

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: P528611

Luminaire Tested: **GALN-SA3D-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528611
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-SA3D-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11591 lumens
Efficiency: N/A
Efficacy: 63.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

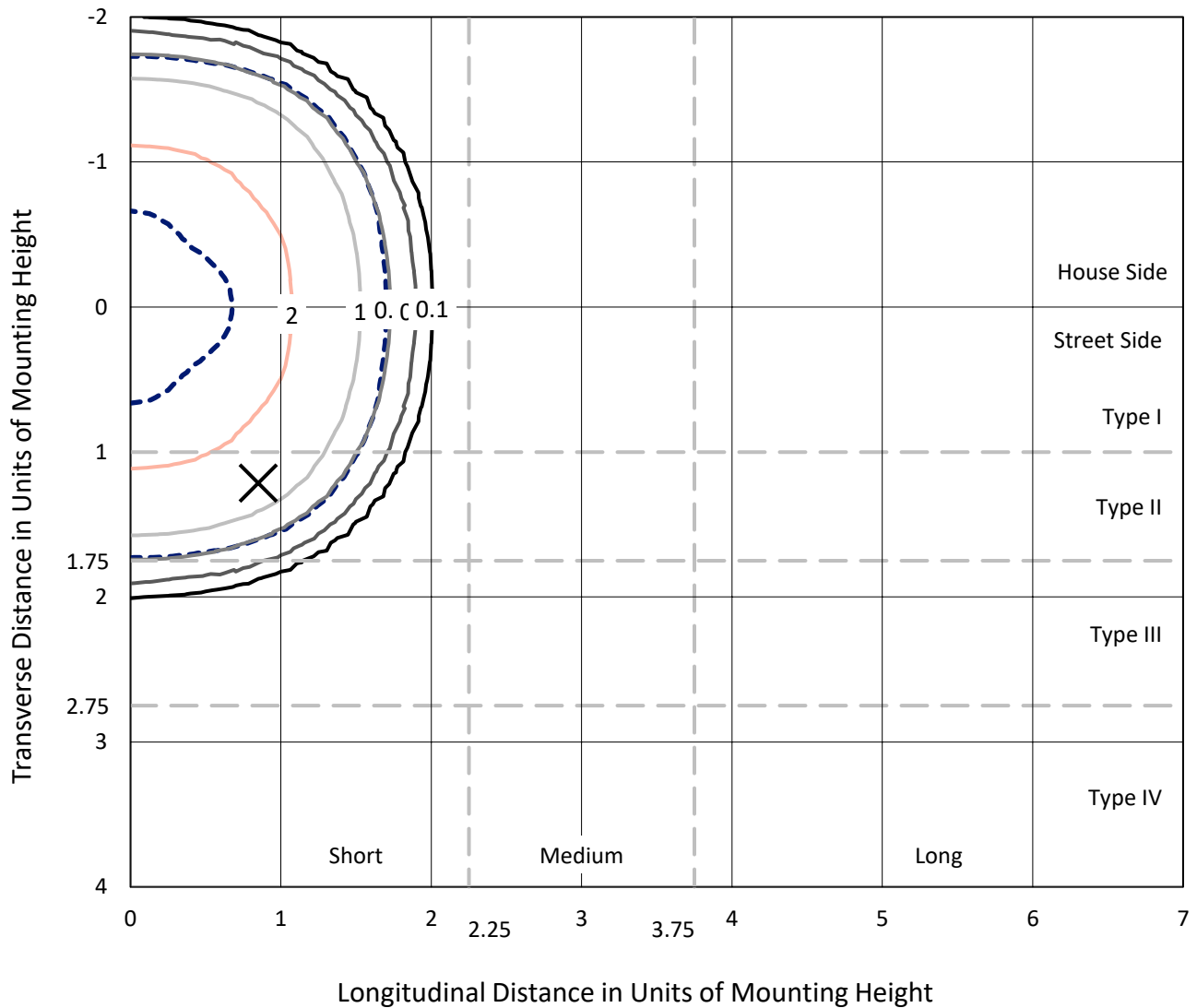
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528611
 CATALOG NUMBER: GALN-SA3D-727-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

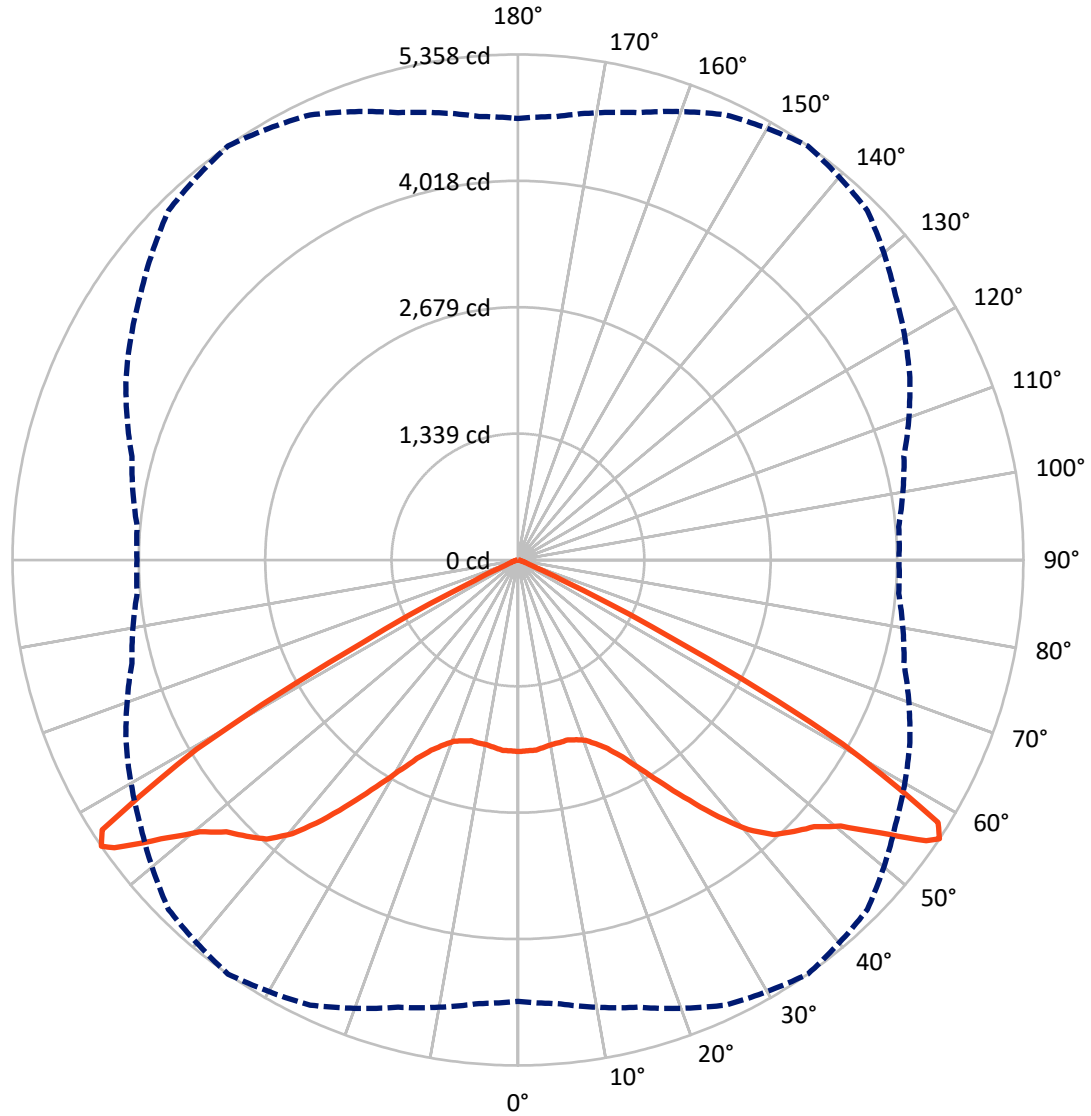
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P528611
CATALOG NUMBER: GALN-SA3D-727-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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



REPORT NUMBER: P528611
 CATALOG NUMBER: GALN-SA3D-727-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5795.5	0.0	5795.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5795.5	0.0	5795.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11591.0	0.0	11591.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	1.6
10°-20°	557.3	4.8
20°-30°	1009.2	8.7
30°-40°	1871.4	16.1
40°-50°	3071.7	26.5
50°-60°	3957.3	34.1
60°-70°	872.1	7.5
70°-80°	50.6	0.4
80°-90°	10.6	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°	11591.0	100.0
0°-180°	11591.0	100.0

Coefficient of Utilization



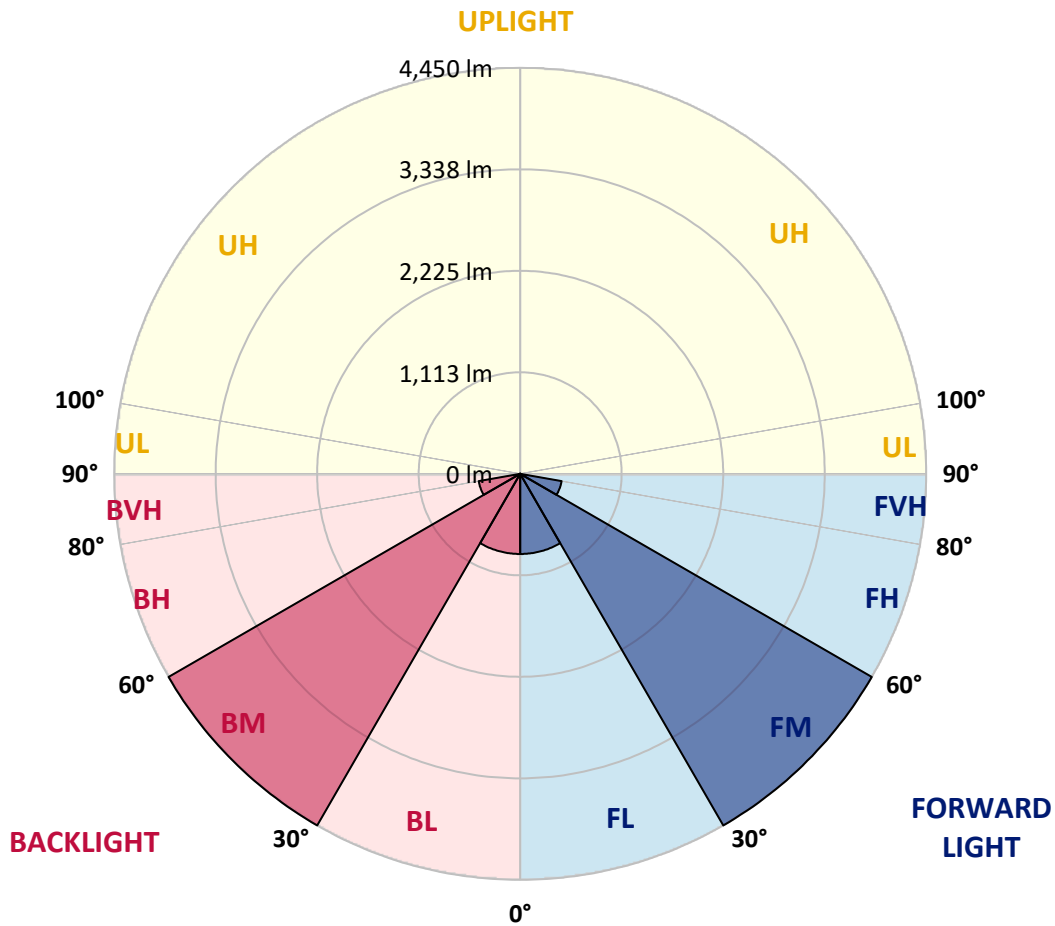
REPORT NUMBER: P528611
 CATALOG NUMBER: GALN-SA3D-727-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	878.7	7.6			
FM (30°-60°)	4450.1	38.4			
FH (60°-80°)	461.4	4.0			G0/660
FVH (80°-90°)	5.3	0.0			G0/10
BL (0°-30°)	878.7	7.6	B2/1000		
BM (30°-60°)	4450.1	38.4	B3/5000		
BH (60°-80°)	461.4	4.0	B1/500		G0/660
BVH (80°-90°)	5.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P528611

CATALOG NUMBER: GALN-SA3D-727-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2031.0	2031.0	2031.0	2031.0	2031.0	2031.0	2031.0	2031.0	2031.0	2031.0	2031.0
2.5°	2035.2	2035.2	2037.3	2039.4	2024.7	2018.4	2020.5	2016.3	2014.2	2020.5	2020.5
5°	2028.9	2028.9	2022.6	2024.7	2024.7	2005.8	2005.8	2010.0	2010.0	1997.4	1993.2
7.5°	2012.1	2007.9	1999.5	2010.0	2003.7	2003.7	1989.0	1978.5	1974.3	1982.7	1974.3
10°	1976.4	1978.5	1986.9	1991.1	1986.9	1999.5	1974.3	1959.6	1944.9	1938.6	1938.6
12.5°	1959.6	1972.2	1959.6	1970.1	1984.8	1974.3	1959.6	1949.1	1928.1	1919.7	1919.7
15°	1957.5	1965.9	1970.1	1984.8	1978.5	1982.7	1953.3	1940.7	1909.2	1894.5	1888.2
17.5°	1955.4	1965.9	1972.2	1999.5	2003.7	2005.8	1982.7	1944.9	1917.6	1902.9	1888.2
20°	1978.5	1982.7	1995.3	2022.6	2039.4	2068.8	2026.8	1986.9	1928.1	1911.3	1905.0
22.5°	2007.9	2028.9	2041.5	2070.9	2115.0	2140.2	2085.6	2035.2	1974.3	1953.3	1928.1
25°	2102.4	2098.2	2119.2	2180.1	2215.8	2234.7	2190.6	2117.1	2037.3	2012.1	2016.3
27.5°	2220.0	2224.2	2243.1	2310.3	2362.8	2392.2	2339.7	2243.1	2165.4	2123.4	2119.2
30°	2373.3	2369.1	2390.1	2480.5	2575.0	2619.1	2526.7	2413.2	2337.6	2283.0	2295.6
32.5°	2535.1	2537.2	2596.0	2677.9	2831.2	2917.3	2768.2	2629.6	2516.2	2478.4	2459.5
35°	2774.5	2785.0	2831.2	2957.2	3127.4	3238.7	3074.8	2908.9	2778.7	2709.4	2717.8
37.5°	3070.6	3060.1	3137.9	3274.4	3452.9	3534.8	3396.2	3207.2	3074.8	3028.6	3058.0
40°	3385.7	3396.2	3436.1	3560.0	3759.5	3814.1	3608.3	3505.4	3389.9	3366.8	3402.5
42.5°	3700.7	3694.4	3723.8	3835.2	3980.1	3942.3	3820.5	3759.5	3677.6	3631.4	3679.7
45°	3931.8	3921.3	3975.9	4051.5	4104.0	4032.6	3978.0	3957.0	3915.0	3864.6	3908.7
47.5°	4156.5	4148.1	4200.6	4221.6	4225.8	4131.3	4141.8	4179.6	4074.6	3969.6	4020.0
50°	4347.6	4332.9	4398.0	4444.2	4433.7	4282.5	4320.3	4282.5	4118.7	3994.8	3975.9
52.5°	4666.9	4673.2	4742.5	4826.5	4801.3	4675.3	4620.7	4448.4	4238.4	4127.1	4062.0
55°	4868.5	4837.0	4956.7	5223.5	5252.9	5122.6	4881.1	4627.0	4311.9	4175.4	4158.6
56°	4679.5	4719.4	4908.4	5206.6	5357.9	5238.2	4887.4	4582.9	4236.3	4051.5	4038.9
57.5°	4198.5	4177.5	4433.7	4841.2	5252.9	5202.4	4715.2	4267.8	3864.6	3656.6	3631.4
60°	2612.8	2673.7	2898.4	3402.5	3952.8	3978.0	3494.9	3110.5	2640.1	2455.3	2499.4
62.5°	1022.8	970.3	1111.1	1487.0	1865.1	1949.1	1766.4	1468.1	1205.6	1022.8	1010.2
65°	237.3	231.0	260.4	359.2	502.0	581.8	552.4	397.0	291.9	277.2	256.2
67.5°	134.4	134.4	128.1	128.1	140.7	149.1	142.8	140.7	147.0	153.3	151.2
70°	94.5	92.4	88.2	90.3	86.1	86.1	92.4	102.9	111.3	111.3	113.4
72.5°	56.7	56.7	56.7	63.0	63.0	63.0	69.3	77.7	79.8	77.7	75.6
75°	25.2	25.2	29.4	35.7	39.9	42.0	48.3	52.5	56.7	52.5	48.3
77.5°	6.3	6.3	10.5	14.7	18.9	23.1	31.5	37.8	39.9	37.8	31.5
80°	2.1	2.1	4.2	10.5	18.9	23.1	31.5	33.6	35.7	31.5	25.2
82.5°	2.1	2.1	4.2	10.5	14.7	18.9	25.2	29.4	31.5	27.3	25.2
85°	0.0	2.1	4.2	8.4	12.6	16.8	16.8	12.6	10.5	6.3	8.4
87.5°	0.0	0.0	2.1	2.1	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)