

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: P529781

Luminaire Tested: **GALN-SA5A-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529781
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-SA5A-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 615mA 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: 11495 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

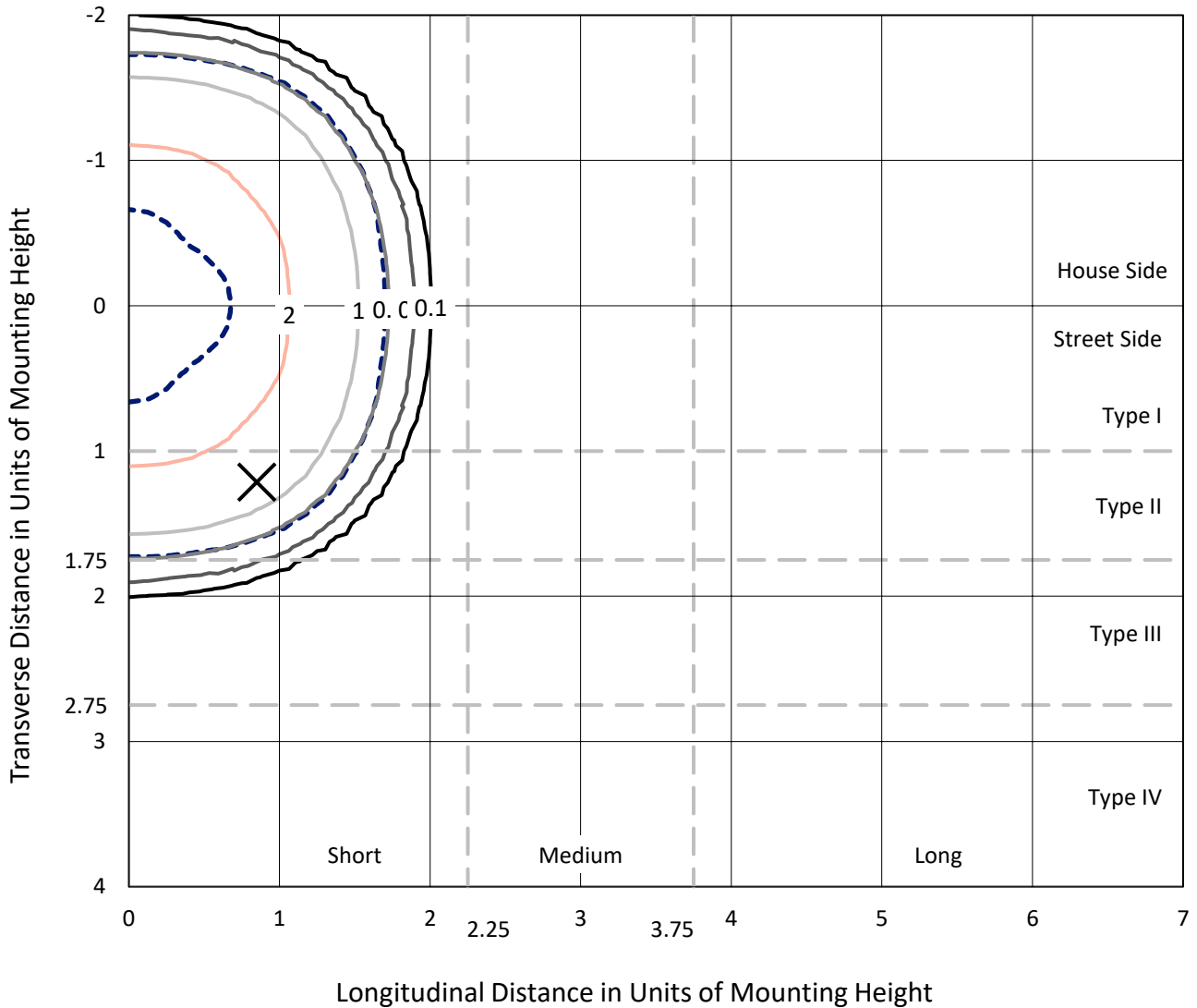
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529781
 CATALOG NUMBER: GALN-SA5A-727-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

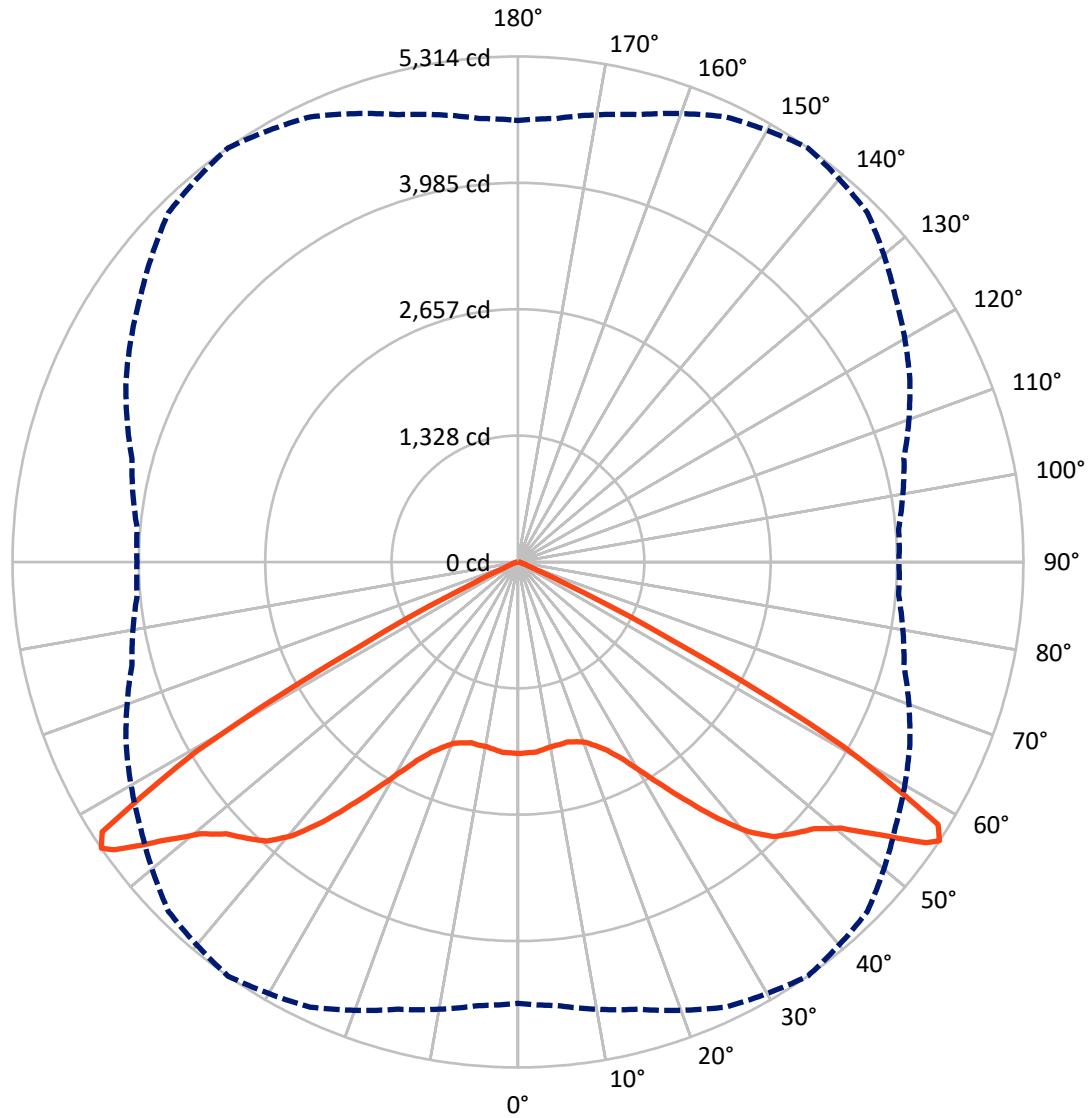
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P529781
CATALOG NUMBER: GALN-SA5A-727-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P529781
 CATALOG NUMBER: GALN-SA5A-727-U-5MQ-GRSBK

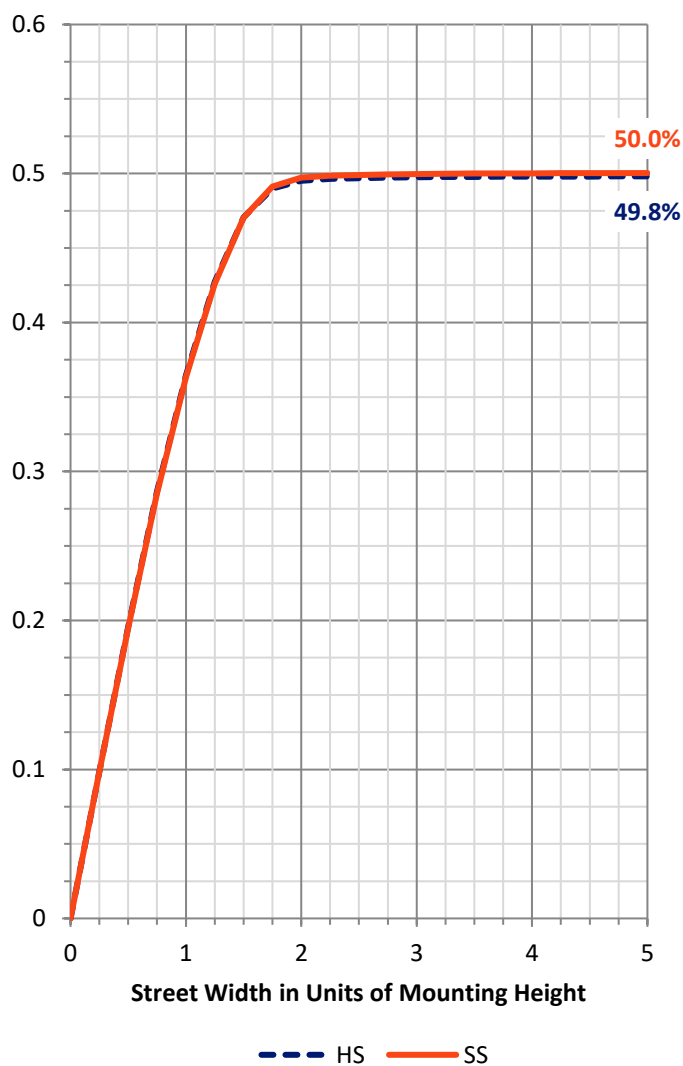
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5747.5	0.0	5747.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5747.5	0.0	5747.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11495.0	0.0	11495.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	1.6
10°-20°	552.7	4.8
20°-30°	1000.8	8.7
30°-40°	1855.9	16.1
40°-50°	3046.2	26.5
50°-60°	3924.5	34.1
60°-70°	864.9	7.5
70°-80°	50.2	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°	11495.0	100.0
0°-180°	11495.0	100.0

Coefficient of Utilization



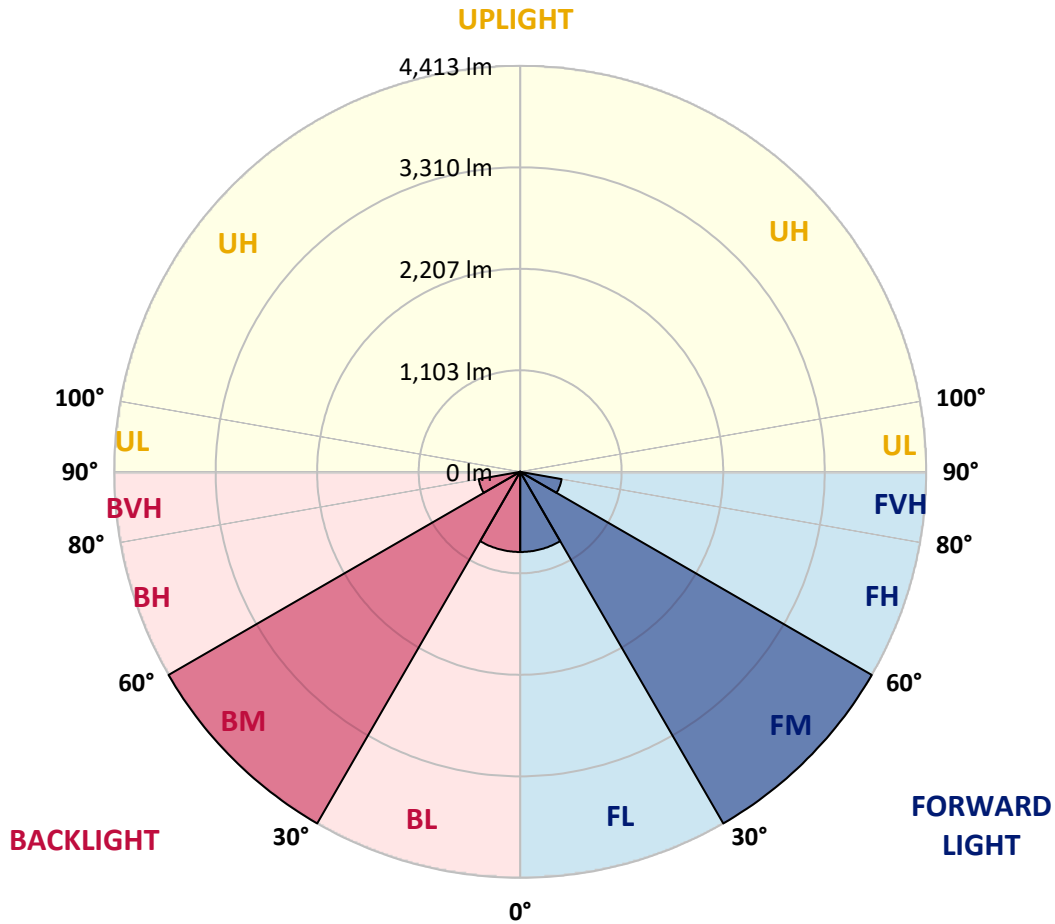
REPORT NUMBER: P529781
 CATALOG NUMBER: GALN-SA5A-727-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.4	7.6			
FM (30°-60°)	4413.3	38.4			
FH (60°-80°)	457.5	4.0			G0/660
FVH (80°-90°)	5.3	0.0			G0/10
BL (0°-30°)	871.4	7.6	B2/1000		
BM (30°-60°)	4413.3	38.4	B3/5000		
BH (60°-80°)	457.5	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: P529781

CATALOG NUMBER: GALN-SA5A-727-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2014.2	2014.2	2014.2	2014.2	2014.2	2014.2	2014.2	2014.2	2014.2	2014.2	2014.2
2.5°	2018.3	2018.3	2020.4	2022.5	2007.9	2001.7	2003.8	1999.6	1997.5	2003.8	2003.8
5°	2012.1	2012.1	2005.8	2007.9	2007.9	1989.2	1989.2	1993.3	1993.3	1980.8	1976.7
7.5°	1995.4	1991.3	1982.9	1993.3	1987.1	1987.1	1972.5	1962.1	1957.9	1966.3	1957.9
10°	1960.0	1962.1	1970.4	1974.6	1970.4	1982.9	1957.9	1943.4	1928.8	1922.5	1922.5
12.5°	1943.4	1955.8	1943.4	1953.8	1968.3	1957.9	1943.4	1932.9	1912.1	1903.8	1903.8
15°	1941.3	1949.6	1953.8	1968.3	1962.1	1966.3	1937.1	1924.6	1893.4	1878.8	1872.5
17.5°	1939.2	1949.6	1955.8	1982.9	1987.1	1989.2	1966.3	1928.8	1901.7	1887.1	1872.5
20°	1962.1	1966.3	1978.8	2005.8	2022.5	2051.7	2010.0	1970.4	1912.1	1895.4	1889.2
22.5°	1991.3	2012.1	2024.6	2053.7	2097.5	2122.5	2068.3	2018.3	1957.9	1937.1	1912.1
25°	2085.0	2080.8	2101.7	2162.1	2197.5	2216.2	2172.5	2099.6	2020.4	1995.4	1999.6
27.5°	2201.6	2205.8	2224.5	2291.2	2343.3	2372.4	2320.4	2224.5	2147.5	2105.8	2101.7
30°	2353.7	2349.5	2370.3	2459.9	2553.6	2597.4	2505.7	2393.3	2318.3	2264.1	2276.6
32.5°	2514.1	2516.2	2574.5	2655.7	2807.8	2893.2	2745.3	2607.8	2495.3	2457.8	2439.1
35°	2751.5	2761.9	2807.8	2932.7	3101.4	3211.8	3049.4	2884.8	2755.7	2687.0	2695.3
37.5°	3045.2	3034.8	3111.9	3247.3	3424.3	3505.5	3368.1	3180.6	3049.4	3003.6	3032.7
40°	3357.6	3368.1	3407.6	3530.5	3728.4	3782.6	3578.4	3476.4	3361.8	3338.9	3374.3
42.5°	3670.1	3663.8	3693.0	3803.4	3947.1	3909.6	3788.8	3728.4	3647.2	3601.3	3649.3
45°	3899.2	3888.8	3942.9	4017.9	4070.0	3999.2	3945.0	3924.2	3882.5	3832.5	3876.3
47.5°	4122.1	4113.7	4165.8	4186.6	4190.8	4097.1	4107.5	4145.0	4040.8	3936.7	3986.7
50°	4311.6	4297.0	4361.6	4407.4	4397.0	4247.0	4284.5	4247.0	4084.6	3961.7	3942.9
52.5°	4628.2	4634.5	4703.2	4786.5	4761.5	4636.6	4582.4	4411.6	4203.3	4092.9	4028.3
55°	4828.2	4796.9	4915.7	5180.2	5209.4	5080.2	4840.7	4588.6	4276.2	4140.8	4124.2
56°	4640.7	4680.3	4867.8	5163.5	5313.5	5194.8	4846.9	4544.9	4201.2	4017.9	4005.4
57.5°	4163.7	4142.9	4397.0	4801.1	5209.4	5159.4	4676.1	4232.5	3832.5	3626.3	3601.3
60°	2591.1	2651.5	2874.4	3374.3	3920.0	3945.0	3466.0	3084.8	2618.2	2434.9	2478.7
62.5°	1014.4	962.3	1101.9	1474.7	1849.6	1932.9	1751.7	1456.0	1195.6	1014.4	1001.9
65°	235.4	229.1	258.3	356.2	497.8	577.0	547.8	393.7	289.5	274.9	254.1
67.5°	133.3	133.3	127.1	127.1	139.6	147.9	141.6	139.6	145.8	152.1	150.0
70°	93.7	91.6	87.5	89.6	85.4	85.4	91.6	102.1	110.4	110.4	112.5
72.5°	56.2	56.2	56.2	62.5	62.5	62.5	68.7	77.1	79.2	77.1	75.0
75°	25.0	25.0	29.2	35.4	39.6	41.7	47.9	52.1	56.2	52.1	47.9
77.5°	6.2	6.2	10.4	14.6	18.7	22.9	31.2	37.5	39.6	37.5	31.2
80°	2.1	2.1	4.2	10.4	18.7	22.9	31.2	33.3	35.4	31.2	25.0
82.5°	2.1	2.1	4.2	10.4	14.6	18.7	25.0	29.2	31.2	27.1	25.0
85°	0.0	2.1	4.2	8.3	12.5	16.7	16.7	12.5	10.4	6.2	8.3
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)