

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: P533998

Luminaire Tested: **GALN-SA9C-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533998
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-SA9C-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1050mA 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: 45220 lumens
Efficiency: N/A
Efficacy: 94.0 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

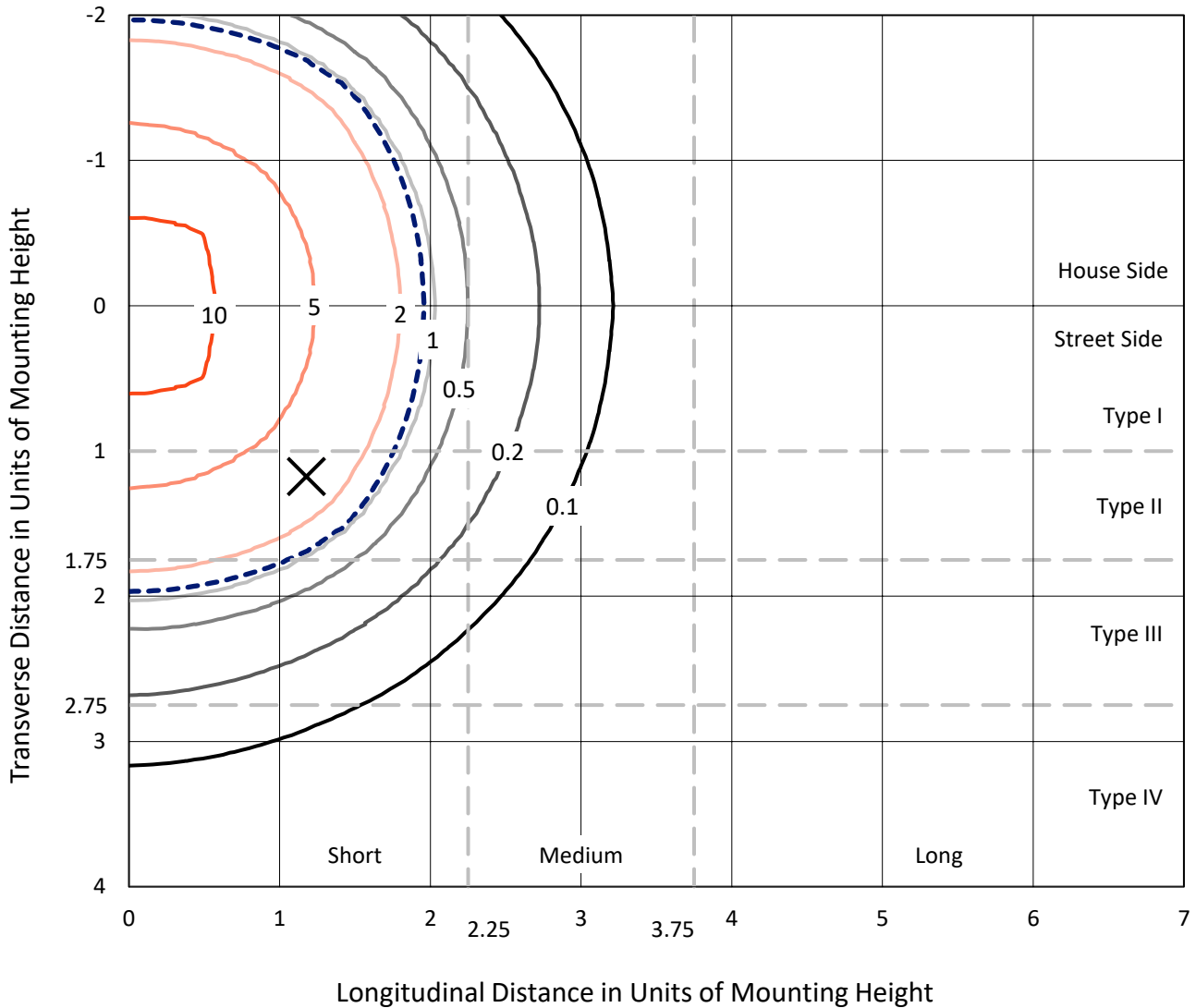
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533998
 CATALOG NUMBER: GALN-SA9C-727-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

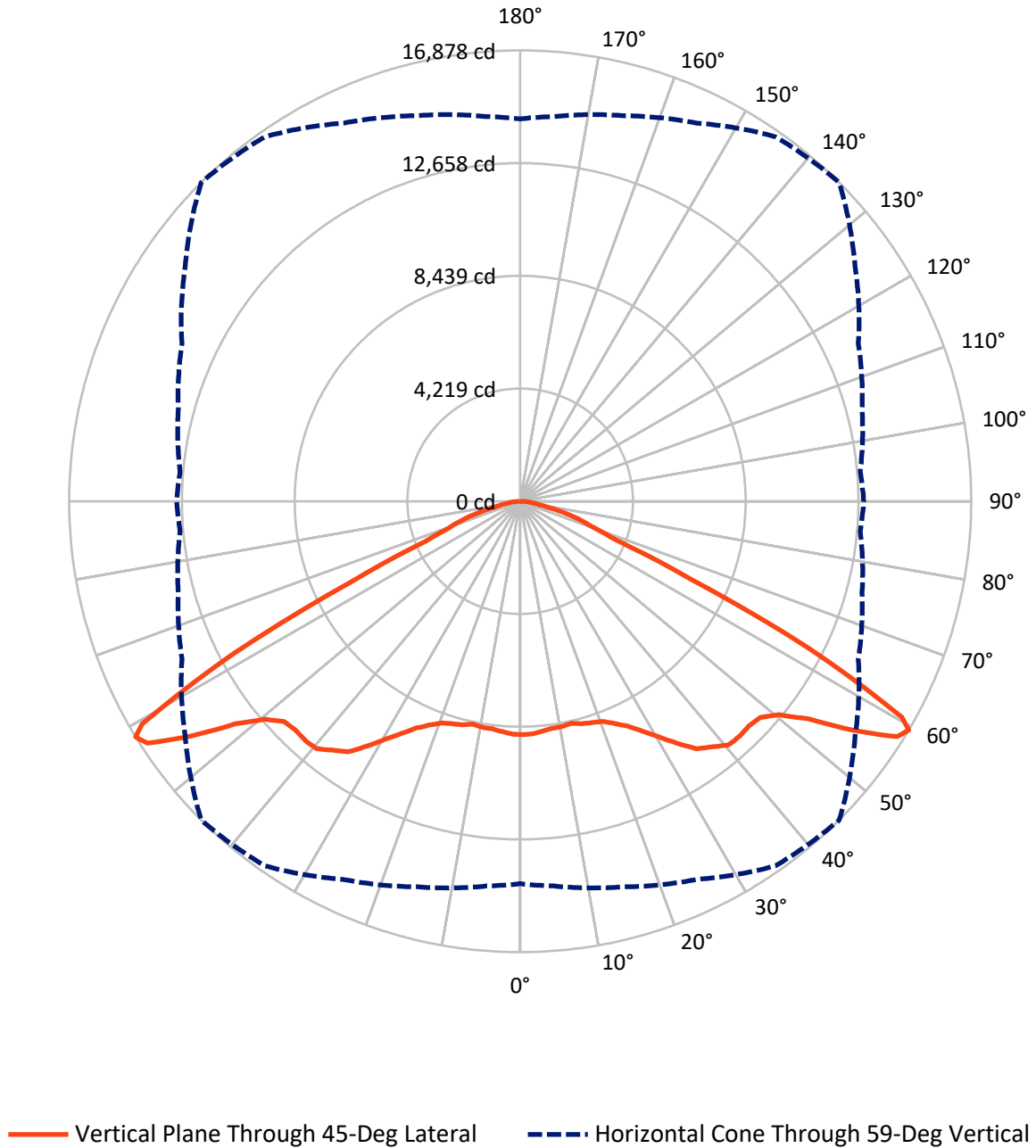
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type V - Short - N/A

REPORT NUMBER: P533998
CATALOG NUMBER: GALN-SA9C-727-U-5WQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P533998
 CATALOG NUMBER: GALN-SA9C-727-U-5WQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22610.0	0.0	22610.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22610.0	0.0	22610.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45220.0	0.0	45220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	823.4	1.8
10°-20°	2448.6	5.4
20°-30°	4275.5	9.5
30°-40°	6828.5	15.1
40°-50°	9301.8	20.6
50°-60°	12578.5	27.8
60°-70°	6898.1	15.3
70°-80°	1764.7	3.9
80°-90°	301.0	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°	45220.0	100.0
0°-180°	45220.0	100.0

Coefficient of Utilization

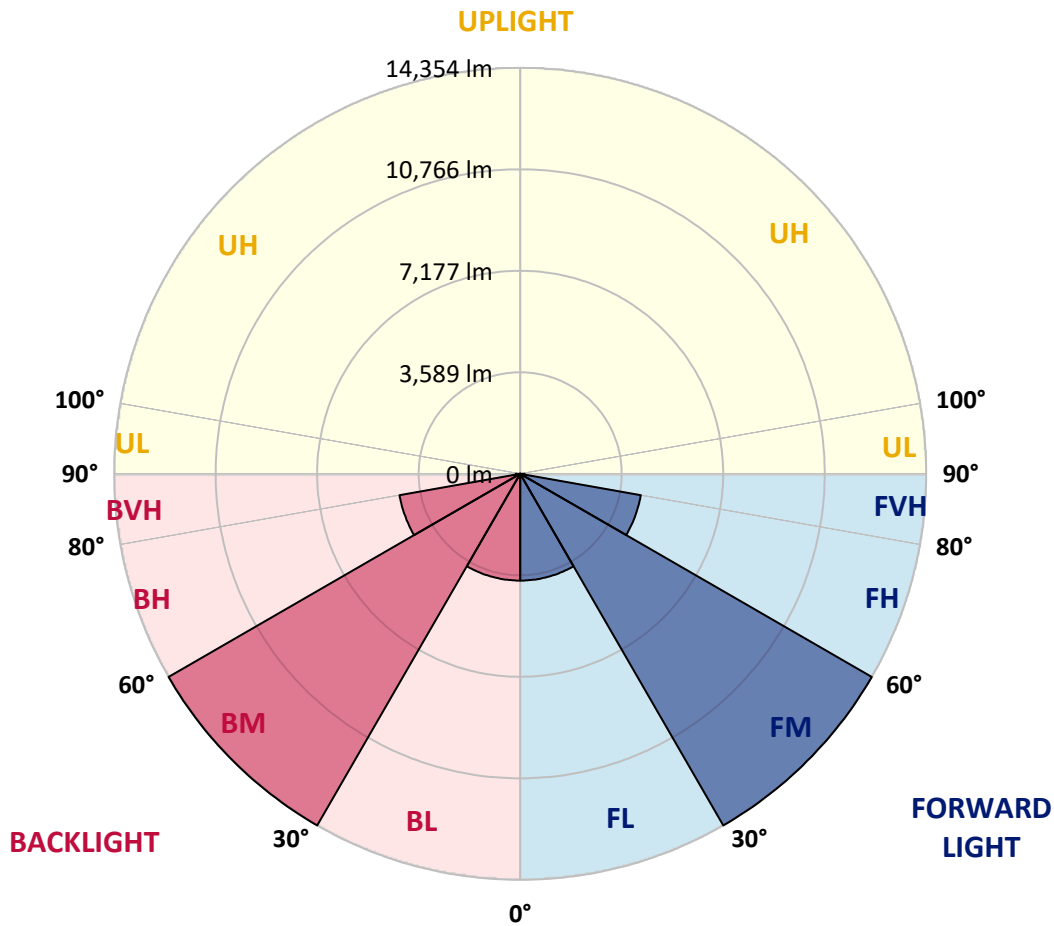


REPORT NUMBER: P533998
 CATALOG NUMBER: GALN-SA9C-727-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3773.7	8.3			
FM (30°-60°)	14354.4	31.7			
FH (60°-80°)	4331.4	9.6			G2/5000
FVH (80°-90°)	150.5	0.3			G2/225
BL (0°-30°)	3773.7	8.3	B4/5000		
BM (30°-60°)	14354.4	31.7	B5		
BH (60°-80°)	4331.4	9.6	B4/5000		G2/5000
BVH (80°-90°)	150.5	0.3			G2/225
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: P533998

CATALOG NUMBER: GALN-SA9C-727-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8734.3	8734.3	8734.3	8734.3	8734.3	8734.3	8734.3	8734.3	8734.3	8734.3	8734.3
2.5°	8682.2	8745.9	8699.6	8740.1	8734.3	8717.0	8688.0	8670.6	8647.4	8682.2	8624.2
5°	8647.4	8699.6	8751.7	8682.2	8682.2	8647.4	8630.0	8595.2	8595.2	8589.4	8583.6
7.5°	8705.4	8653.2	8630.0	8641.6	8653.2	8577.9	8630.0	8560.5	8502.5	8543.1	8589.4
10°	8653.2	8676.4	8589.4	8630.0	8566.3	8577.9	8543.1	8589.4	8525.7	8525.7	8525.7
12.5°	8705.4	8641.6	8670.6	8641.6	8624.2	8525.7	8572.1	8519.9	8514.1	8572.1	8519.9
15°	8809.7	8705.4	8682.2	8624.2	8641.6	8641.6	8595.2	8601.0	8537.3	8572.1	8583.6
17.5°	8774.9	8717.0	8699.6	8630.0	8688.0	8705.4	8618.4	8560.5	8601.0	8595.2	8589.4
20°	8803.9	8827.1	8809.7	8821.3	8844.5	8798.1	8717.0	8635.8	8583.6	8659.0	8653.2
22.5°	8989.4	8966.2	8954.6	8943.0	8983.6	9029.9	8919.8	8792.3	8792.3	8844.5	8867.6
25°	9140.1	9134.3	9128.5	9180.6	9319.7	9319.7	9180.6	9018.3	8977.8	9012.5	8983.6
27.5°	9360.3	9424.0	9400.9	9493.6	9696.5	9742.8	9557.4	9366.1	9256.0	9215.4	9267.6
30°	9864.5	9789.2	9806.6	9905.1	10084.8	10235.5	9951.5	9748.6	9597.9	9592.1	9615.3
32.5°	10200.7	10258.6	10310.8	10403.5	10687.5	10803.5	10461.5	10131.1	10038.4	9986.2	10003.6
35°	10873.0	10820.8	10809.3	10902.0	11186.0	11377.2	10948.4	10658.6	10536.8	10652.8	10652.8
37.5°	11510.6	11365.7	11255.5	11377.2	11638.1	11661.2	11296.1	11139.6	11075.9	11209.2	11203.4
40°	11811.9	11800.3	11545.3	11614.9	11962.6	11997.4	11655.4	11470.0	11458.4	11632.3	11806.1
42.5°	12124.9	12014.8	11759.8	11806.1	12020.6	12032.2	11707.6	11655.4	11783.0	11951.0	11962.6
45°	12177.1	12084.3	11922.1	11806.1	11962.6	11997.4	11806.1	11840.9	11852.5	12055.4	12055.4
47.5°	12281.4	12269.8	12177.1	12090.1	12119.1	12090.1	11968.4	12020.6	12194.5	12293.0	12246.6
50°	12571.2	12449.5	12542.2	12466.9	12472.7	12553.8	12443.7	12495.8	12461.1	12374.1	12316.2
52.5°	13208.7	13150.8	13231.9	13284.1	13342.0	13527.5	13400.0	13121.8	12861.0	12629.2	12623.4
55°	14141.9	14182.4	14338.9	14605.5	14831.6	15127.2	14512.8	13846.3	13429.0	13063.8	13087.0
57.5°	15022.8	14993.9	15208.3	15816.9	16477.6	16628.3	15422.7	14472.2	13794.1	13562.3	13463.8
59°	14315.7	14454.8	14941.7	15619.8	16657.3	16877.5	15301.0	13962.2	13243.5	12774.0	12855.2
60°	13202.9	13255.1	13689.8	14634.5	16037.1	16413.8	14483.8	13174.0	12217.6	11945.2	12067.0
62.5°	9331.3	9290.7	9603.7	10374.6	11632.3	12142.3	10768.7	9847.1	9244.4	8943.0	9012.5
65°	4961.2	5146.7	5274.2	5755.3	6421.8	6960.8	6392.8	5992.9	5656.7	5407.5	5401.7
67.5°	3350.0	3326.8	3355.8	3465.9	3692.0	3842.6	3831.1	3628.2	3599.2	3552.9	3605.0
70°	2822.6	2811.0	2758.8	2758.8	2805.2	2840.0	2880.5	2903.7	2950.1	3008.0	3002.2
72.5°	2289.4	2260.4	2225.6	2208.2	2266.2	2283.6	2335.7	2358.9	2399.5	2393.7	2445.8
75°	1512.7	1512.7	1553.3	1599.7	1617.0	1651.8	1657.6	1727.2	1727.2	1738.8	1692.4
77.5°	846.2	823.0	852.0	898.4	938.9	1002.7	1066.4	1118.6	1147.6	1136.0	1136.0
80°	492.6	492.6	521.6	573.8	626.0	683.9	730.3	770.8	799.8	788.2	765.1
82.5°	307.2	307.2	336.2	388.3	428.9	463.7	527.4	579.6	614.4	602.8	573.8
85°	156.5	156.5	191.3	226.0	278.2	301.4	295.6	272.4	266.6	237.6	237.6
87.5°	40.6	40.6	58.0	63.8	52.2	58.0	58.0	58.0	58.0	58.0	63.8
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)