

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: P450886

Luminaire Tested: **GALN-SA1D-727-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1D-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6866 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

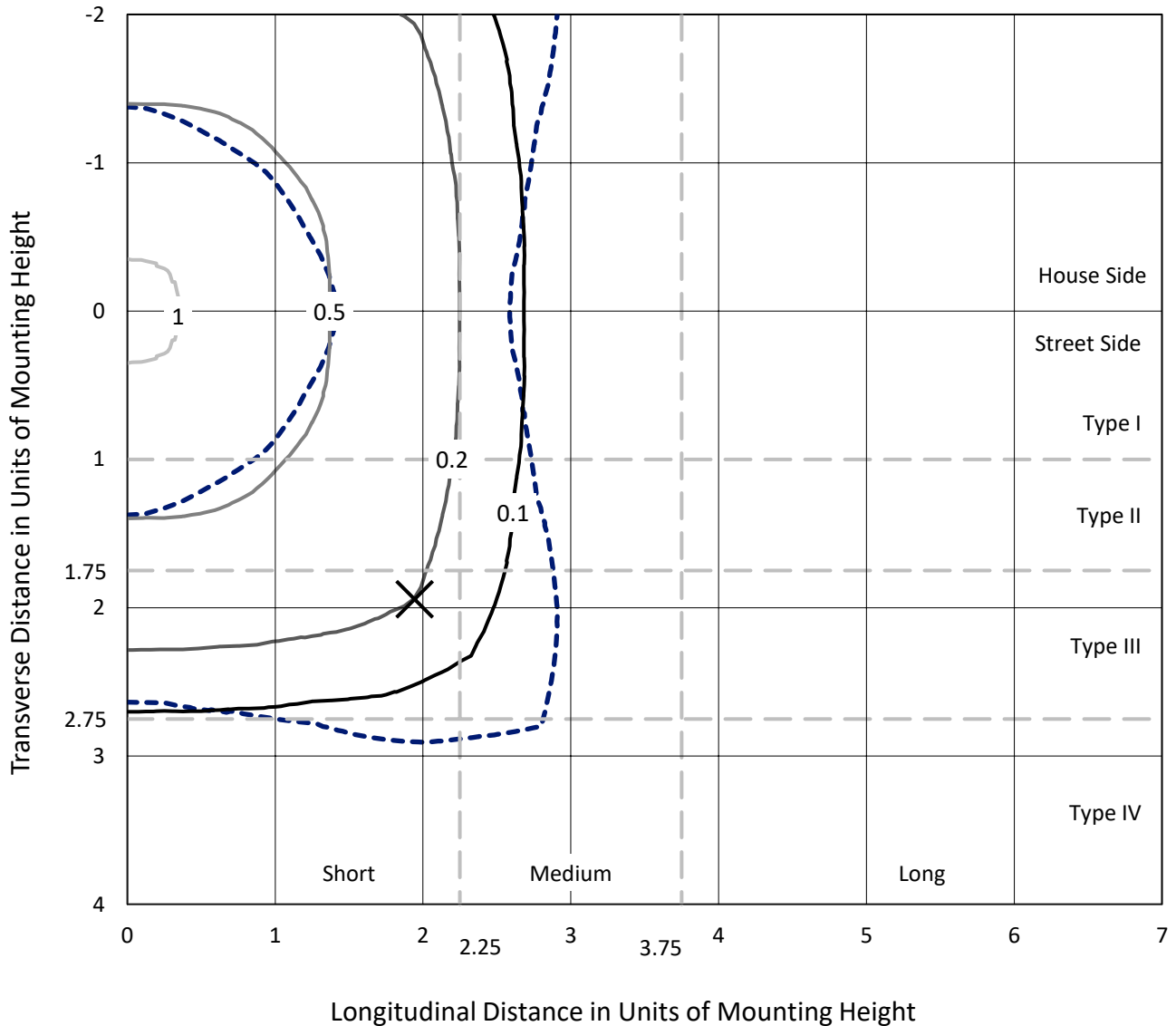
Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P450886
 CATALOG NUMBER: GALN-SA1D-727-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

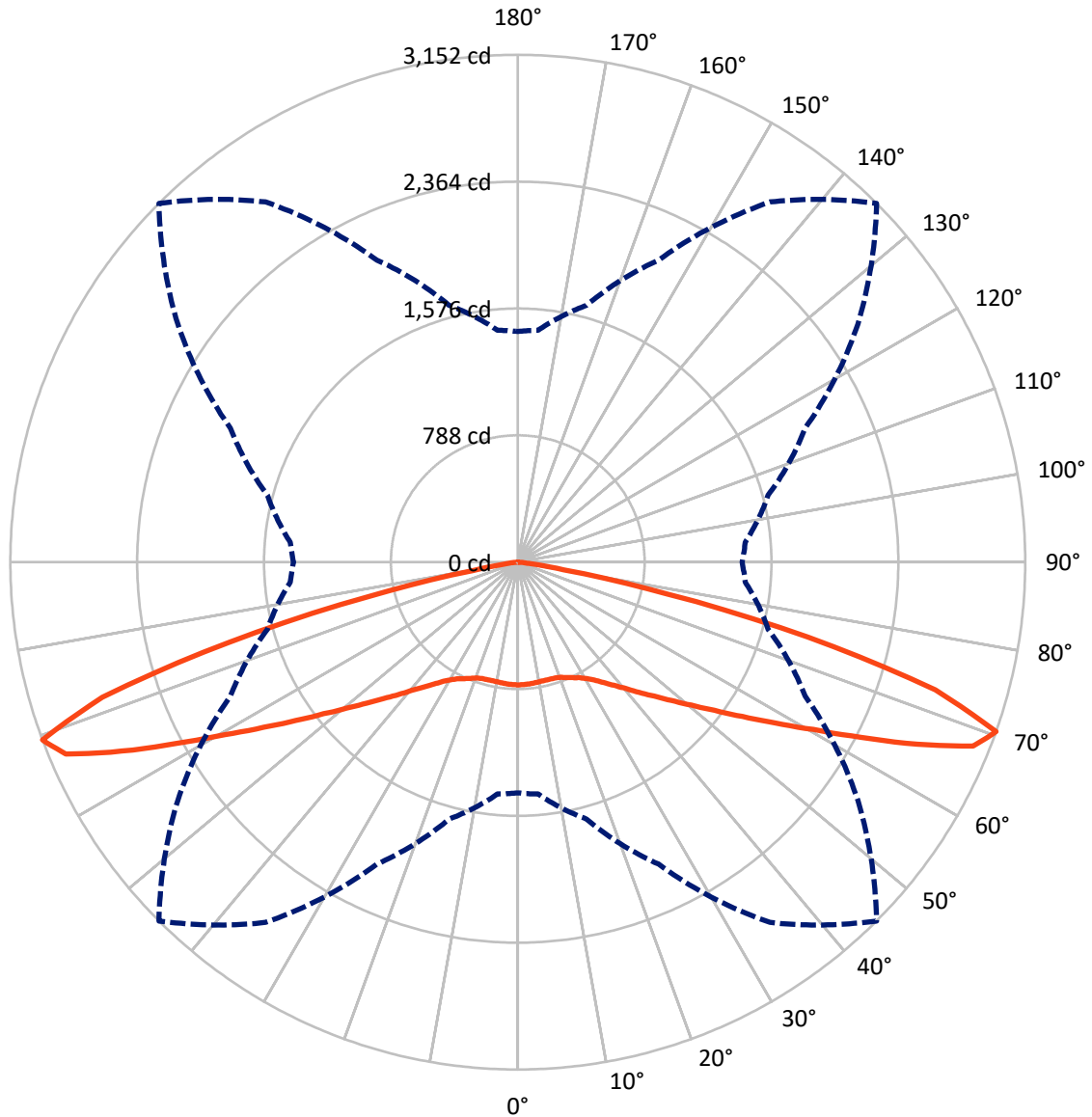
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P450886
CATALOG NUMBER: GALN-SA1D-727-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P450886

CATALOG NUMBER: GALN-SA1D-727-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3433.0	0.0	3433.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3433.0	0.0	3433.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6866.0	0.0	6866.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.1
10°-20°	212.2	3.1
20°-30°	362.9	5.3
30°-40°	575.9	8.4
40°-50°	929.1	13.5
50°-60°	1511.7	22.0
60°-70°	2191.5	31.9
70°-80°	972.1	14.2
80°-90°	38.3	0.6
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°	6866.0	100.0
0°-180°	6866.0	100.0

Coefficient of Utilization



REPORT NUMBER: P450886

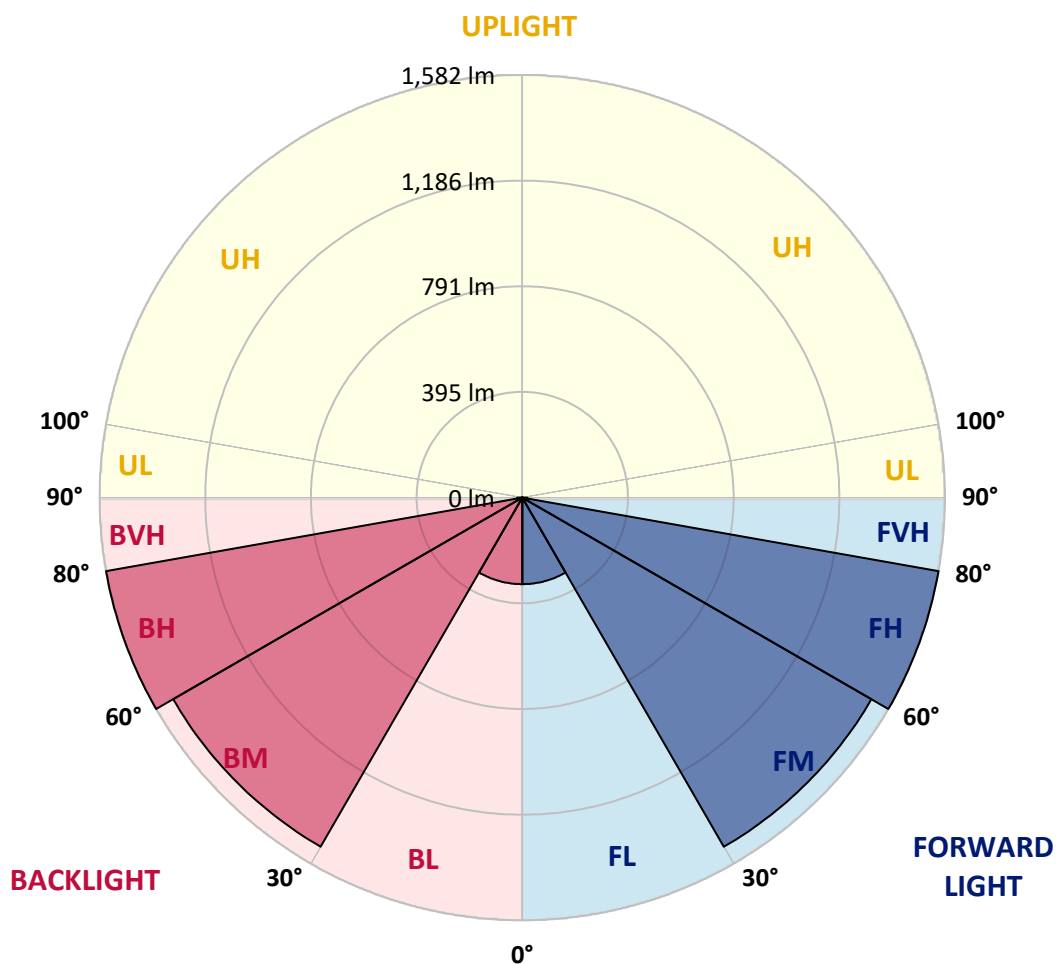
CATALOG NUMBER: GALN-SA1D-727-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.7	4.7			
FM (30°-60°)	1508.4	22.0			
FH (60°-80°)	1581.8	23.0			G1/1800
FVH (80°-90°)	19.2	0.3			G1/100
BL (0°-30°)	323.7	4.7	B1/500		
BM (30°-60°)	1508.4	22.0	B2/2500		
BH (60°-80°)	1581.8	23.0	B3/2500		G1/1800
BVH (80°-90°)	19.2	0.3			G1/100
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: P450886

CATALOG NUMBER: GALN-SA1D-727-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4	762.4
2.5°	762.4	763.2	762.1	761.4	761.0	761.0	760.6	761.0	763.2	763.5	762.4
5°	760.3	761.0	760.6	759.9	759.5	759.5	759.2	758.8	760.6	761.4	761.0
7.5°	757.4	757.7	757.4	757.0	757.4	757.0	755.9	755.2	756.6	756.6	756.3
10°	752.3	753.0	752.7	753.0	753.8	753.8	752.3	750.9	751.2	750.5	750.5
12.5°	746.2	747.2	747.6	749.0	750.9	753.0	749.8	746.5	745.8	745.4	745.1
15°	742.2	743.3	744.7	746.2	749.4	754.1	749.4	744.3	742.9	741.4	740.7
17.5°	741.1	742.5	744.7	746.9	751.2	755.9	751.9	746.9	743.3	741.1	740.4
20°	744.0	745.1	748.3	752.3	758.5	763.2	759.2	753.8	748.3	745.1	744.0
22.5°	749.8	751.6	755.6	762.8	771.5	778.4	772.9	763.9	755.2	750.9	749.4
25°	762.4	763.9	768.6	778.4	788.5	795.0	789.2	778.7	766.8	761.0	759.2
27.5°	781.6	783.8	788.9	800.4	808.8	812.4	808.4	801.2	792.5	786.3	784.9
30°	808.8	811.3	818.9	831.2	836.6	838.8	837.0	832.3	826.1	819.6	818.2
32.5°	845.3	846.8	855.4	867.0	872.1	872.8	870.6	868.5	858.3	847.5	846.8
35°	886.2	888.7	899.2	913.0	917.7	918.0	913.7	910.4	898.5	889.8	889.8
37.5°	940.5	941.6	951.7	967.2	972.3	970.9	968.7	965.8	953.1	941.9	942.3
40°	1004.2	1006.3	1015.0	1033.1	1033.1	1031.3	1032.7	1030.6	1017.9	1007.1	1007.4
42.5°	1079.8	1080.9	1091.4	1110.5	1109.1	1105.5	1106.9	1104.0	1096.1	1083.8	1079.4
45°	1160.5	1164.8	1182.9	1201.4	1198.5	1186.9	1192.7	1192.0	1184.7	1166.3	1167.4
47.5°	1257.8	1265.1	1282.4	1304.5	1301.2	1283.2	1289.7	1294.0	1283.9	1263.6	1260.0
50°	1367.5	1372.2	1397.9	1418.5	1415.6	1396.4	1411.3	1412.0	1386.6	1358.1	1358.1
52.5°	1484.3	1489.0	1523.8	1556.0	1557.8	1529.9	1541.9	1541.2	1499.9	1462.3	1455.0
55°	1615.3	1617.5	1662.4	1709.8	1719.9	1692.8	1694.2	1679.7	1626.2	1582.4	1578.4
57.5°	1750.7	1758.6	1808.2	1869.7	1899.8	1883.1	1875.5	1836.8	1785.1	1734.8	1732.2
60°	1900.5	1900.8	1965.3	2038.0	2098.8	2110.0	2078.9	2027.1	1960.2	1893.6	1890.7
62.5°	2004.3	2019.9	2101.3	2224.3	2333.3	2396.2	2314.1	2205.5	2073.8	1966.3	1955.5
65°	2025.7	2036.2	2160.3	2368.7	2591.3	2727.0	2537.0	2306.1	2081.4	1938.1	1930.9
67.5°	1853.1	1864.3	2031.5	2351.4	2772.2	3050.5	2681.7	2257.6	1952.6	1775.3	1761.2
70°	1433.3	1446.0	1652.6	2069.8	2732.0	3152.2	2578.6	1969.2	1610.3	1418.8	1393.2
72.5°	762.1	808.8	985.3	1420.7	2217.5	2713.9	2114.3	1436.9	1038.5	848.9	814.9
75°	278.3	284.1	382.5	630.0	1290.0	1861.0	1339.6	685.4	394.1	304.3	288.8
77.5°	115.1	114.7	125.9	190.3	468.6	953.1	522.9	201.2	125.6	116.2	114.7
80°	68.0	68.0	74.9	79.2	123.4	287.7	137.9	89.7	75.3	68.8	69.8
82.5°	30.4	32.2	47.4	49.9	59.7	78.9	66.6	57.2	49.2	34.0	30.8
85°	16.6	14.5	25.0	26.1	28.6	29.3	31.5	31.1	28.6	16.6	17.0
87.5°	3.3	4.0	7.2	5.4	6.2	5.4	7.2	10.1	10.5	5.8	4.7
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)