

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: P527211

Luminaire Tested: **GALN-SA2B-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527211
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-SA2B-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 4992 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

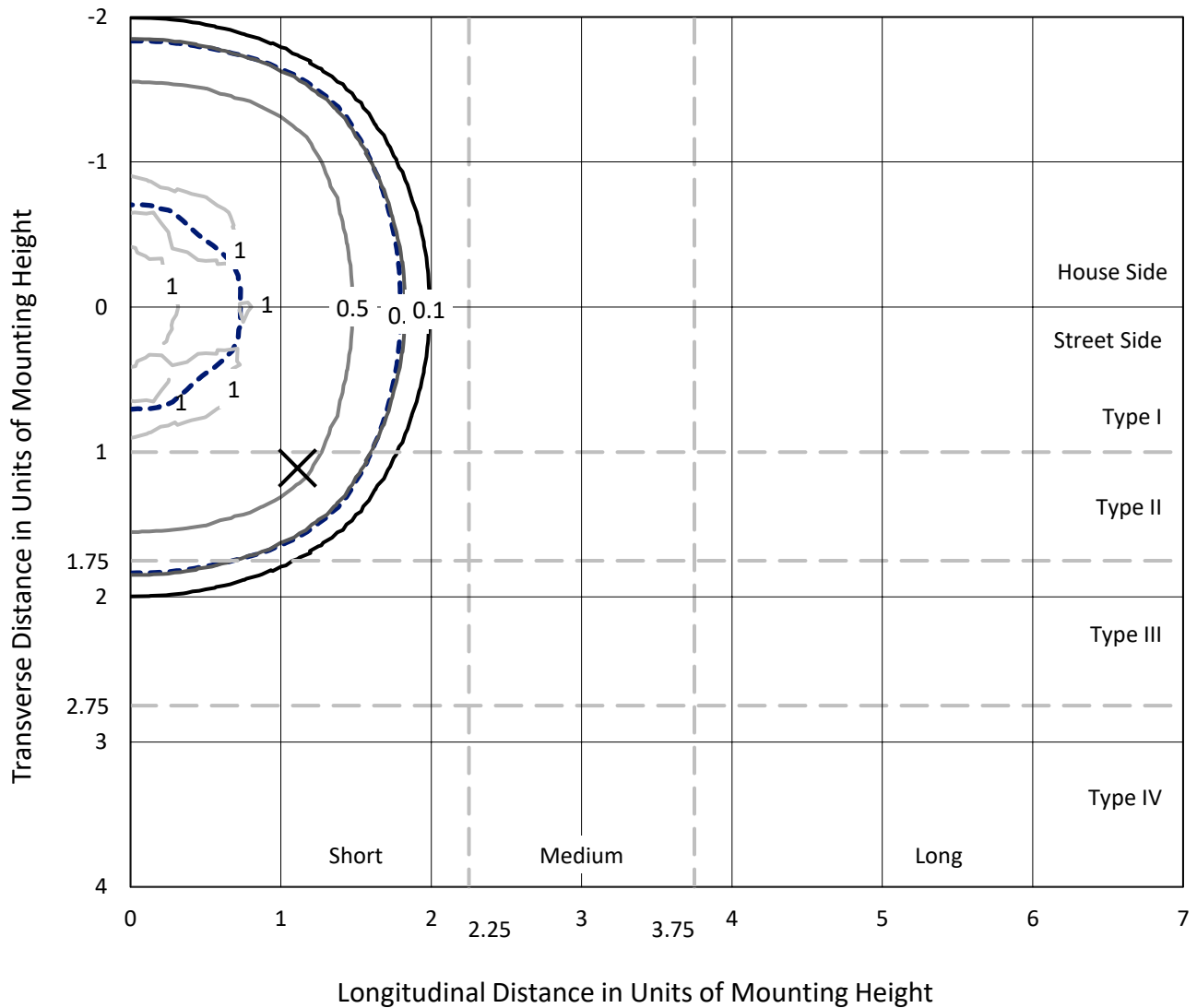
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527211
 CATALOG NUMBER: GALN-SA2B-727-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

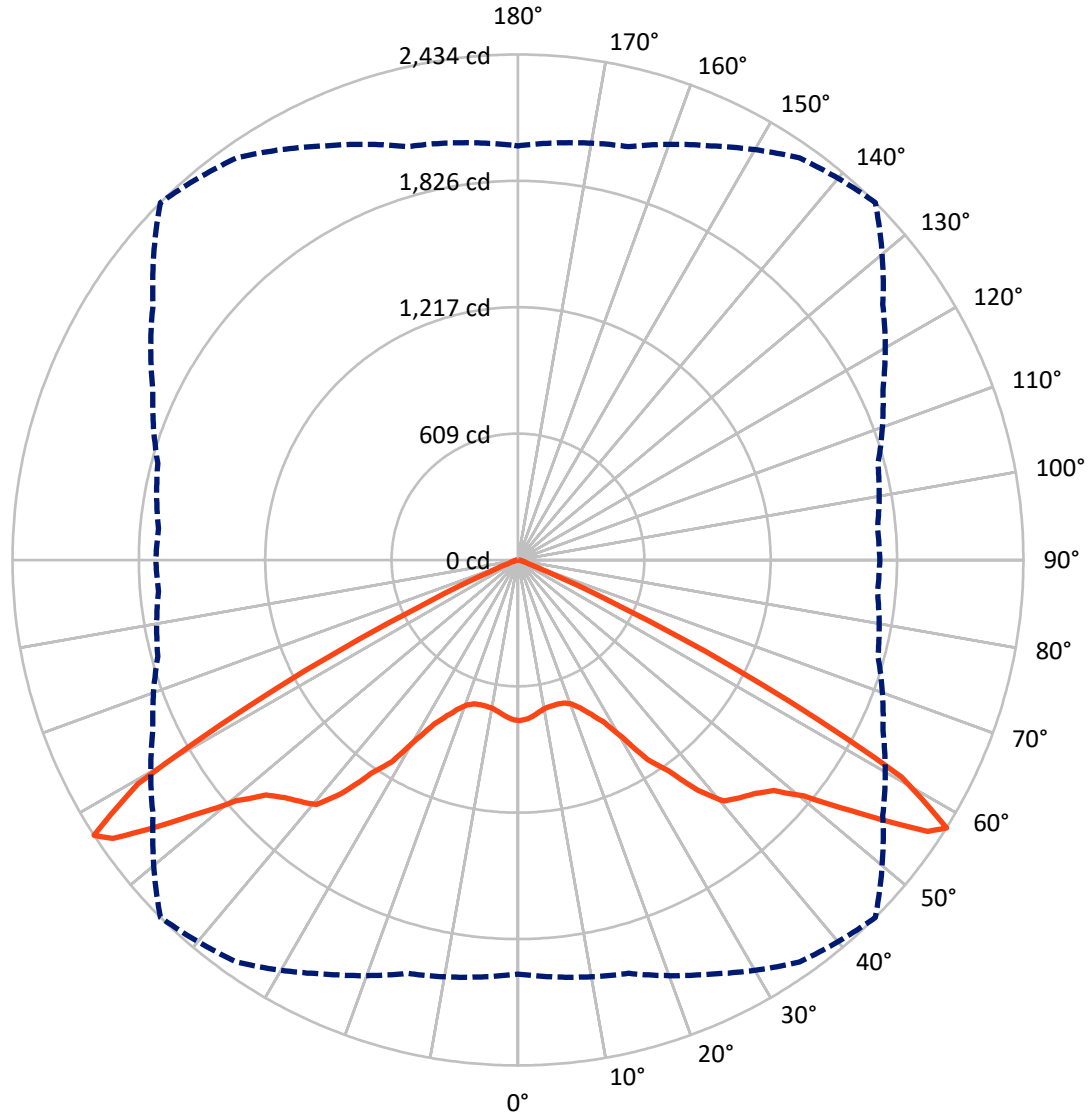
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P527211
CATALOG NUMBER: GALN-SA2B-727-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P527211
 CATALOG NUMBER: GALN-SA2B-727-U-5WQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2496.0	0.0	2496.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2496.0	0.0	2496.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4992.0	0.0	4992.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.4
10°-20°	205.7	4.1
20°-30°	379.6	7.6
30°-40°	746.6	15.0
40°-50°	1216.0	24.4
50°-60°	1734.2	34.7
60°-70°	600.4	12.0
70°-80°	32.2	0.6
80°-90°	6.1	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°	4992.0	100.0
0°-180°	4992.0	100.0

Coefficient of Utilization

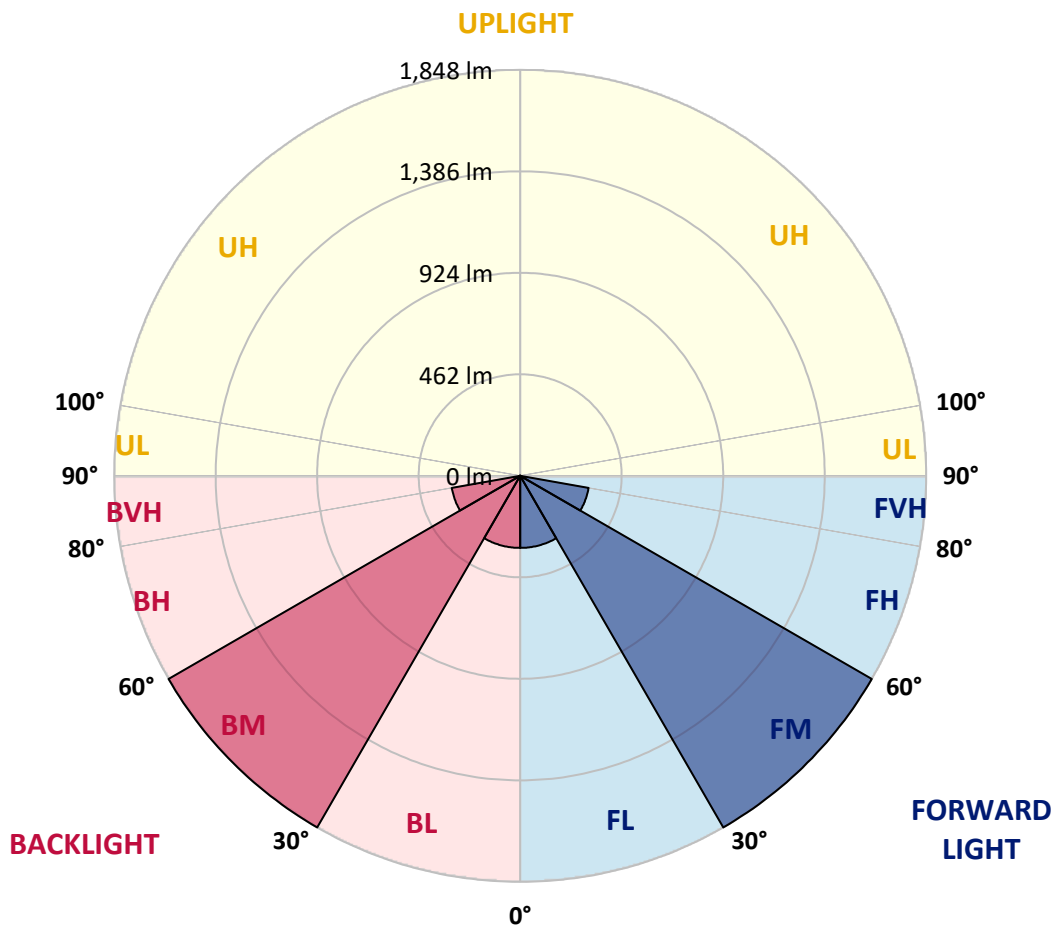


REPORT NUMBER: P527211
 CATALOG NUMBER: GALN-SA2B-727-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.2	6.6			
FM (30°-60°)	1848.4	37.0			
FH (60°-80°)	316.3	6.3			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	328.2	6.6	B1/500		
BM (30°-60°)	1848.4	37.0	B2/2500		
BH (60°-80°)	316.3	6.3	B1/500		G0/660
BVH (80°-90°)	3.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





REPORT NUMBER: P527211

CATALOG NUMBER: GALN-SA2B-727-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3	774.3
2.5°	772.2	776.4	771.2	769.1	768.1	768.1	764.9	764.9	763.9	764.9	760.8
5°	759.7	763.9	763.9	762.9	756.6	755.6	752.5	750.4	751.4	747.3	750.4
7.5°	747.3	750.4	746.2	745.2	743.1	738.9	737.9	728.5	729.6	729.6	731.6
10°	745.2	744.1	737.9	732.7	726.4	725.4	722.3	720.2	720.2	719.2	722.3
12.5°	745.2	740.0	738.9	727.5	717.1	721.2	712.9	707.7	715.0	717.1	721.2
15°	744.1	749.3	731.6	726.4	719.2	720.2	712.9	707.7	711.9	713.9	717.1
17.5°	750.4	747.3	742.0	731.6	728.5	724.4	715.0	710.8	710.8	716.0	717.1
20°	767.0	758.7	748.3	743.1	746.2	741.0	729.6	713.9	718.1	722.3	725.4
22.5°	782.6	776.4	769.1	766.0	783.7	775.4	755.6	737.9	731.6	738.9	744.1
25°	812.8	812.8	799.3	803.5	823.2	824.3	801.4	770.1	766.0	769.1	771.2
27.5°	874.2	877.3	865.9	870.1	878.4	885.7	865.9	839.9	830.5	829.5	832.6
30°	940.8	947.1	946.0	963.7	987.7	991.8	962.7	920.0	891.9	886.7	890.9
32.5°	1028.3	1031.4	1029.3	1050.1	1114.6	1144.8	1068.8	1008.5	971.0	980.4	971.0
35°	1192.7	1189.6	1166.7	1170.8	1223.9	1245.8	1172.9	1134.4	1116.7	1135.4	1131.3
37.5°	1334.2	1322.8	1304.0	1331.1	1386.3	1406.0	1330.1	1262.4	1230.2	1261.4	1274.9
40°	1453.9	1424.8	1398.8	1425.8	1499.7	1526.8	1415.4	1360.2	1347.8	1370.7	1399.8
42.5°	1554.9	1536.1	1501.8	1503.9	1552.8	1565.3	1475.8	1443.5	1431.0	1467.4	1482.0
45°	1626.7	1609.0	1576.7	1574.6	1612.1	1603.8	1523.6	1501.8	1509.1	1533.0	1540.3
47.5°	1663.1	1672.5	1653.7	1658.9	1678.7	1658.9	1595.5	1595.5	1578.8	1593.4	1586.1
50°	1768.2	1739.1	1763.0	1763.0	1783.8	1785.9	1722.4	1699.5	1654.8	1629.8	1629.8
52.5°	1891.0	1893.1	1902.5	1936.8	1972.2	2002.4	1911.8	1814.0	1739.1	1706.8	1702.7
55°	1992.0	2012.8	2050.3	2114.8	2216.8	2258.4	2102.3	1927.5	1835.9	1785.9	1775.5
56°	2047.1	2027.4	2091.9	2180.4	2313.6	2367.7	2133.5	1950.3	1849.4	1793.2	1792.2
57.5°	1994.1	2015.9	2060.7	2200.1	2363.5	2434.3	2145.0	1939.9	1795.3	1738.0	1743.2
60°	1574.6	1595.5	1655.8	1811.9	2068.0	2123.1	1815.1	1599.6	1470.6	1388.3	1389.4
62.5°	890.9	906.5	953.3	1098.0	1257.2	1310.3	1131.3	987.7	898.2	852.4	837.8
65°	327.8	321.6	328.9	402.8	500.6	545.3	470.4	397.6	350.7	334.1	327.8
67.5°	122.8	113.4	106.2	113.4	142.6	150.9	138.4	115.5	108.2	111.4	113.4
70°	76.0	71.8	57.2	54.1	53.1	52.0	55.2	58.3	66.6	78.1	80.1
72.5°	53.1	50.0	40.6	38.5	36.4	35.4	40.6	44.8	52.0	60.4	61.4
75°	20.8	21.9	20.8	22.9	23.9	25.0	29.1	32.3	35.4	35.4	34.3
77.5°	4.2	4.2	6.2	8.3	10.4	13.5	19.8	22.9	23.9	22.9	19.8
80°	0.0	0.0	2.1	4.2	8.3	11.4	17.7	19.8	21.9	19.8	15.6
82.5°	0.0	0.0	2.1	5.2	8.3	10.4	16.7	20.8	23.9	21.9	16.7
85°	0.0	0.0	2.1	4.2	6.2	7.3	7.3	5.2	5.2	3.1	2.1
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)