

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: P526978

Luminaire Tested: **GALN-SA2A-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526978
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-SA2A-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA 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: 6524 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

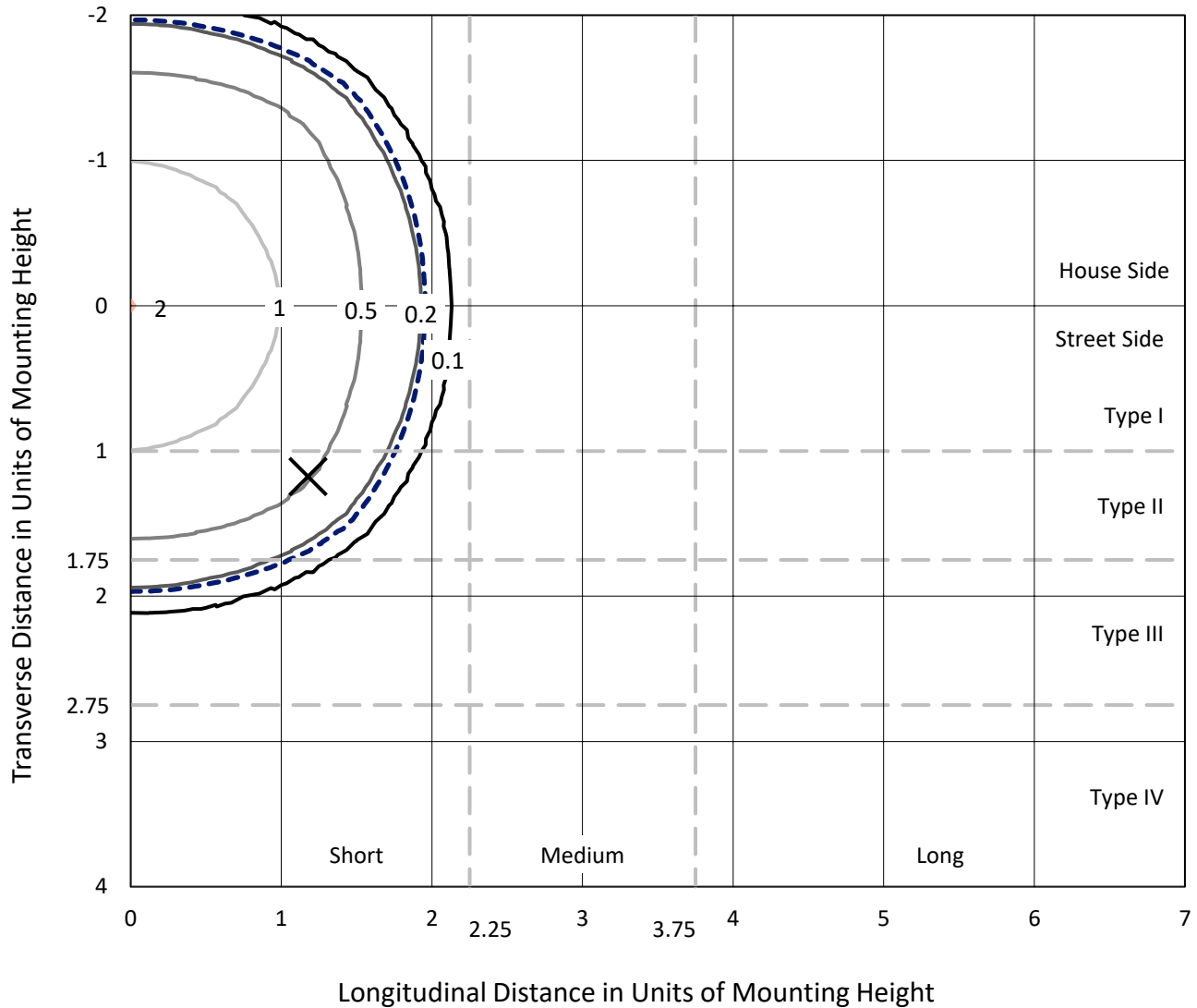
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526978
 CATALOG NUMBER: GALN-SA2A-727-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

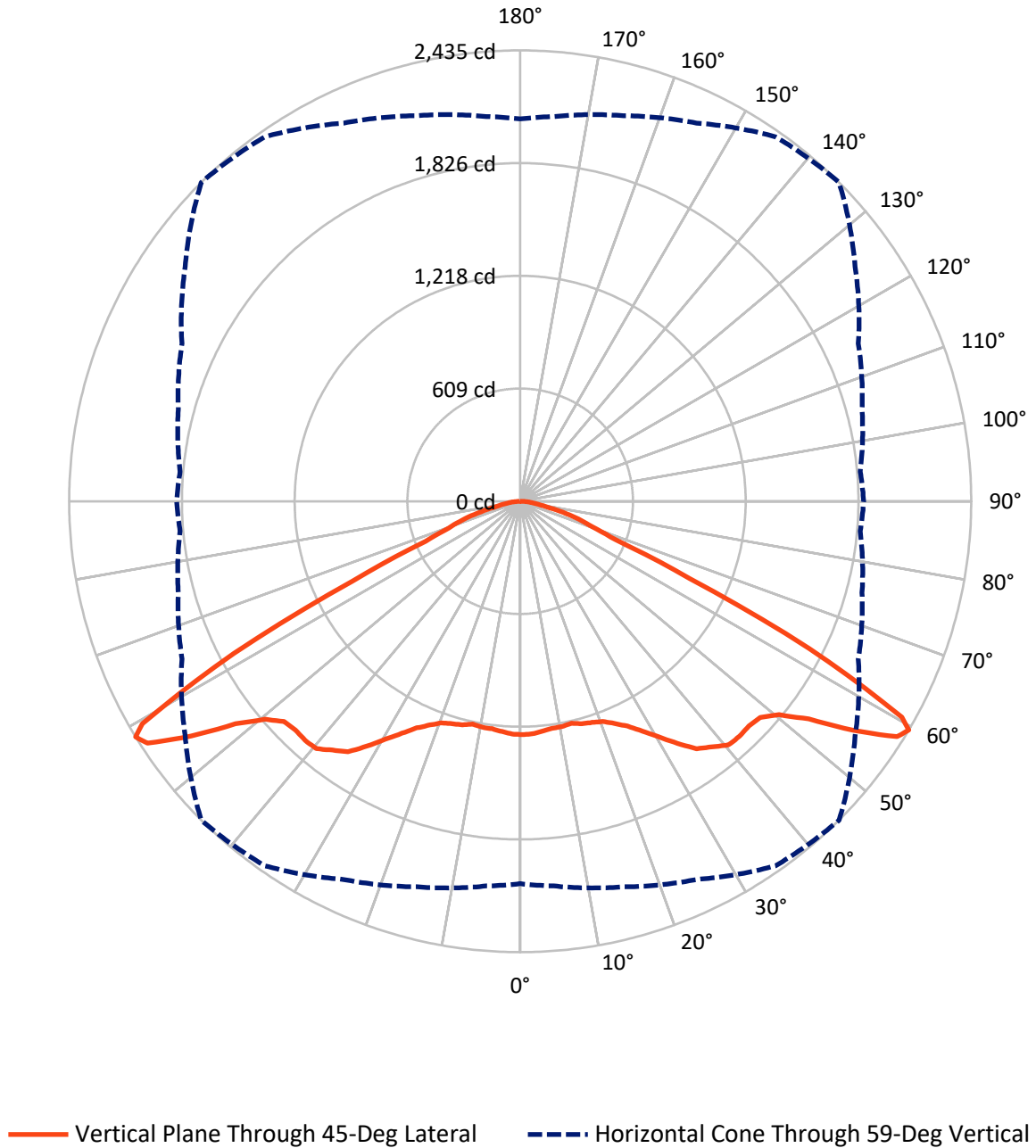
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

REPORT NUMBER: P526978
CATALOG NUMBER: GALN-SA2A-727-U-5WQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P526978
 CATALOG NUMBER: GALN-SA2A-727-U-5WQ-GRSWH

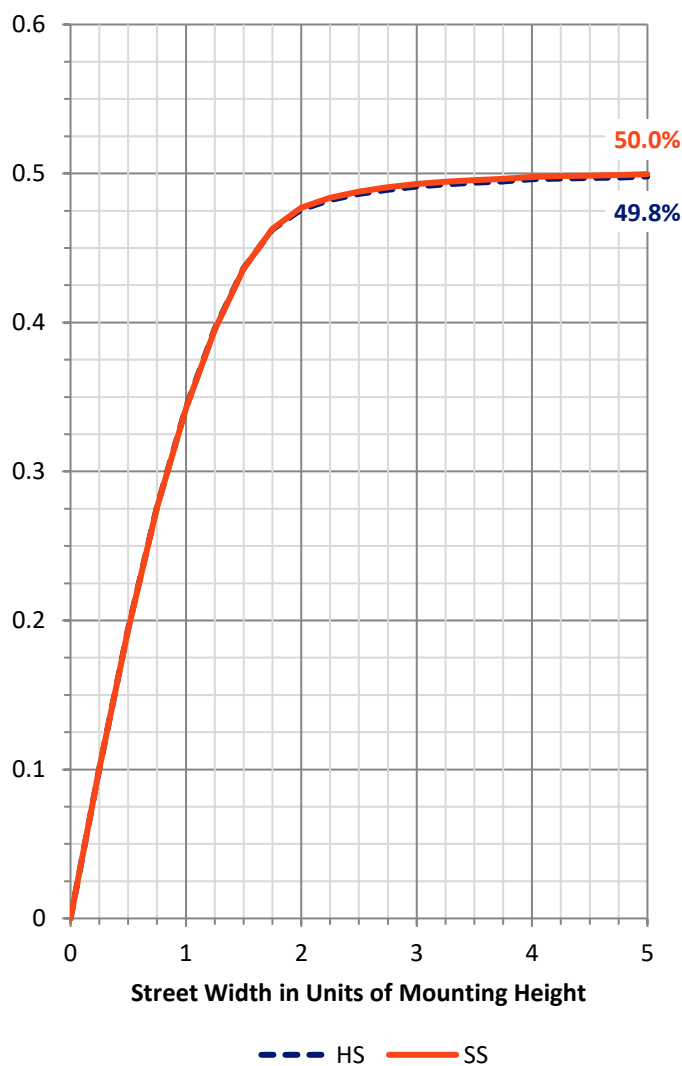
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3262.0	0.0	3262.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3262.0	0.0	3262.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6524.0	0.0	6524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	1.8
10°-20°	353.3	5.4
20°-30°	616.8	9.5
30°-40°	985.2	15.1
40°-50°	1342.0	20.6
50°-60°	1814.7	27.8
60°-70°	995.2	15.3
70°-80°	254.6	3.9
80°-90°	43.4	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°	6524.0	100.0
0°-180°	6524.0	100.0

Coefficient of Utilization

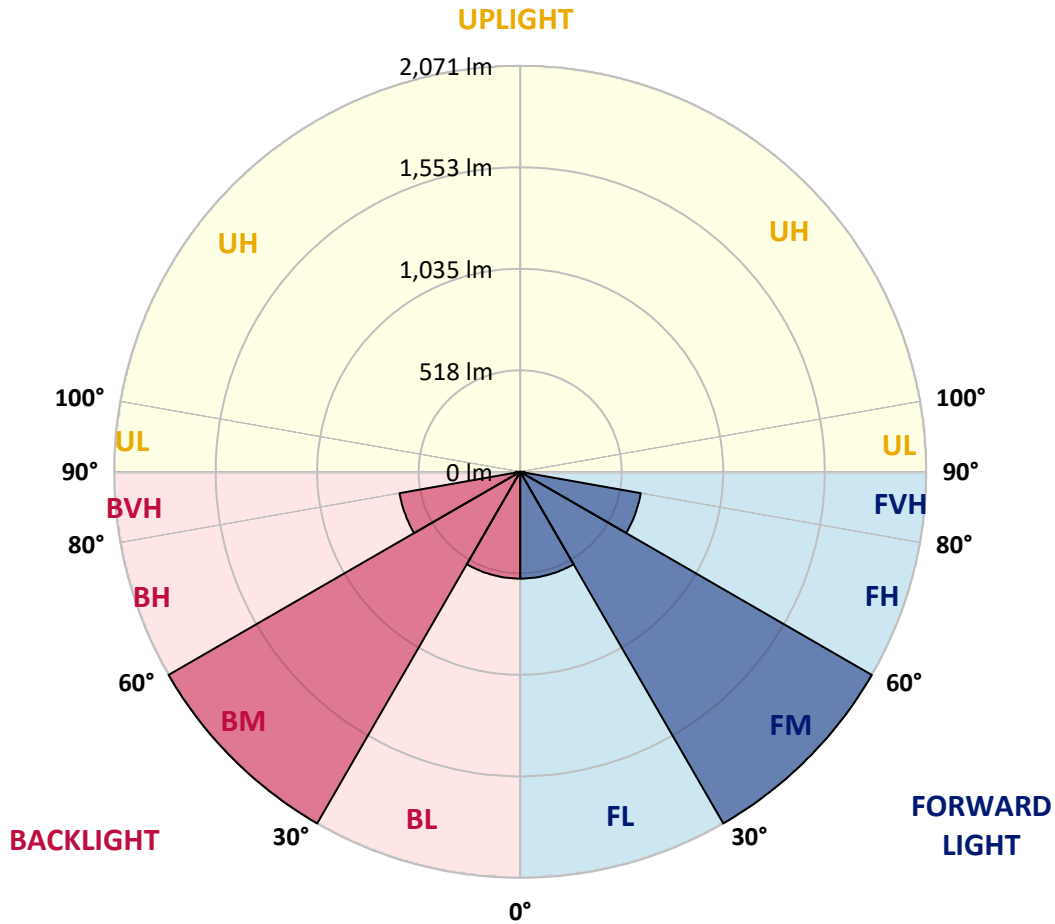


REPORT NUMBER: P526978
 CATALOG NUMBER: GALN-SA2A-727-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.4	8.3			
FM (30°-60°)	2070.9	31.7			
FH (60°-80°)	624.9	9.6			G0/660
FVH (80°-90°)	21.7	0.3			G1/100
BL (0°-30°)	544.4	8.3	B2/1000		
BM (30°-60°)	2070.9	31.7	B2/2500		
BH (60°-80°)	624.9	9.6	B2/1000		G0/660
BVH (80°-90°)	21.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





REPORT NUMBER: P526978

CATALOG NUMBER: GALN-SA2A-727-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1	1260.1
2.5°	1252.6	1261.8	1255.1	1261.0	1260.1	1257.6	1253.4	1250.9	1247.6	1252.6	1244.2
5°	1247.6	1255.1	1262.6	1252.6	1252.6	1247.6	1245.1	1240.1	1240.1	1239.2	1238.4
7.5°	1255.9	1248.4	1245.1	1246.7	1248.4	1237.5	1245.1	1235.0	1226.7	1232.5	1239.2
10°	1248.4	1251.8	1239.2	1245.1	1235.9	1237.5	1232.5	1239.2	1230.0	1230.0	1230.0
12.5°	1255.9	1246.7	1250.9	1246.7	1244.2	1230.0	1236.7	1229.2	1228.3	1236.7	1229.2
15°	1271.0	1255.9	1252.6	1244.2	1246.7	1246.7	1240.1	1240.9	1231.7	1236.7	1238.4
17.5°	1266.0	1257.6	1255.1	1245.1	1253.4	1255.9	1243.4	1235.0	1240.9	1240.1	1239.2
20°	1270.2	1273.5	1271.0	1272.7	1276.0	1269.3	1257.6	1245.9	1238.4	1249.3	1248.4
22.5°	1296.9	1293.6	1291.9	1290.2	1296.1	1302.8	1286.9	1268.5	1268.5	1276.0	1279.4
25°	1318.7	1317.8	1317.0	1324.5	1344.6	1344.6	1324.5	1301.1	1295.2	1300.3	1296.1
27.5°	1350.4	1359.6	1356.3	1369.7	1398.9	1405.6	1378.9	1351.3	1335.4	1329.5	1337.1
30°	1423.2	1412.3	1414.8	1429.0	1455.0	1476.7	1435.7	1406.5	1384.7	1383.9	1387.2
32.5°	1471.7	1480.0	1487.6	1500.9	1541.9	1558.6	1509.3	1461.6	1448.3	1440.7	1443.2
35°	1568.7	1561.1	1559.5	1572.9	1613.8	1641.4	1579.5	1537.7	1520.2	1536.9	1536.9
37.5°	1660.7	1639.8	1623.9	1641.4	1679.1	1682.4	1629.7	1607.1	1597.9	1617.2	1616.3
40°	1704.1	1702.5	1665.7	1675.7	1725.9	1730.9	1681.6	1654.8	1653.1	1678.2	1703.3
42.5°	1749.3	1733.4	1696.6	1703.3	1734.2	1735.9	1689.1	1681.6	1700.0	1724.2	1725.9
45°	1756.8	1743.4	1720.0	1703.3	1725.9	1730.9	1703.3	1708.3	1710.0	1739.3	1739.3
47.5°	1771.9	1770.2	1756.8	1744.3	1748.5	1744.3	1726.7	1734.2	1759.3	1773.5	1766.9
50°	1813.7	1796.1	1809.5	1798.6	1799.5	1811.2	1795.3	1802.8	1797.8	1785.2	1776.9
52.5°	1905.7	1897.3	1909.0	1916.5	1924.9	1951.6	1933.3	1893.1	1855.5	1822.0	1821.2
55°	2040.3	2046.1	2068.7	2107.2	2139.8	2182.4	2093.8	1997.6	1937.4	1884.8	1888.1
57.5°	2167.4	2163.2	2194.1	2281.9	2377.3	2399.0	2225.1	2087.9	1990.1	1956.7	1942.4
59°	2065.4	2085.4	2155.7	2253.5	2403.2	2435.0	2207.5	2014.4	1910.7	1842.9	1854.6
60°	1904.8	1912.3	1975.1	2111.4	2313.7	2368.1	2089.6	1900.6	1762.7	1723.4	1740.9
62.5°	1346.3	1340.4	1385.6	1496.8	1678.2	1751.8	1553.6	1420.7	1333.7	1290.2	1300.3
65°	715.8	742.5	760.9	830.3	926.5	1004.3	922.3	864.6	816.1	780.2	779.3
67.5°	483.3	480.0	484.1	500.0	532.6	554.4	552.7	523.4	519.3	512.6	520.1
70°	407.2	405.5	398.0	398.0	404.7	409.7	415.6	418.9	425.6	434.0	433.1
72.5°	330.3	326.1	321.1	318.6	326.9	329.5	337.0	340.3	346.2	345.3	352.9
75°	218.2	218.2	224.1	230.8	233.3	238.3	239.1	249.2	249.2	250.9	244.2
77.5°	122.1	118.7	122.9	129.6	135.5	144.7	153.9	161.4	165.6	163.9	163.9
80°	71.1	71.1	75.3	82.8	90.3	98.7	105.4	111.2	115.4	113.7	110.4
82.5°	44.3	44.3	48.5	56.0	61.9	66.9	76.1	83.6	88.6	87.0	82.8
85°	22.6	22.6	27.6	32.6	40.1	43.5	42.6	39.3	38.5	34.3	34.3
87.5°	5.9	5.9	8.4	9.2	7.5	8.4	8.4	8.4	8.4	8.4	9.2
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)