

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: P530734

Luminaire Tested: **GALN-SA6A-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16891 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

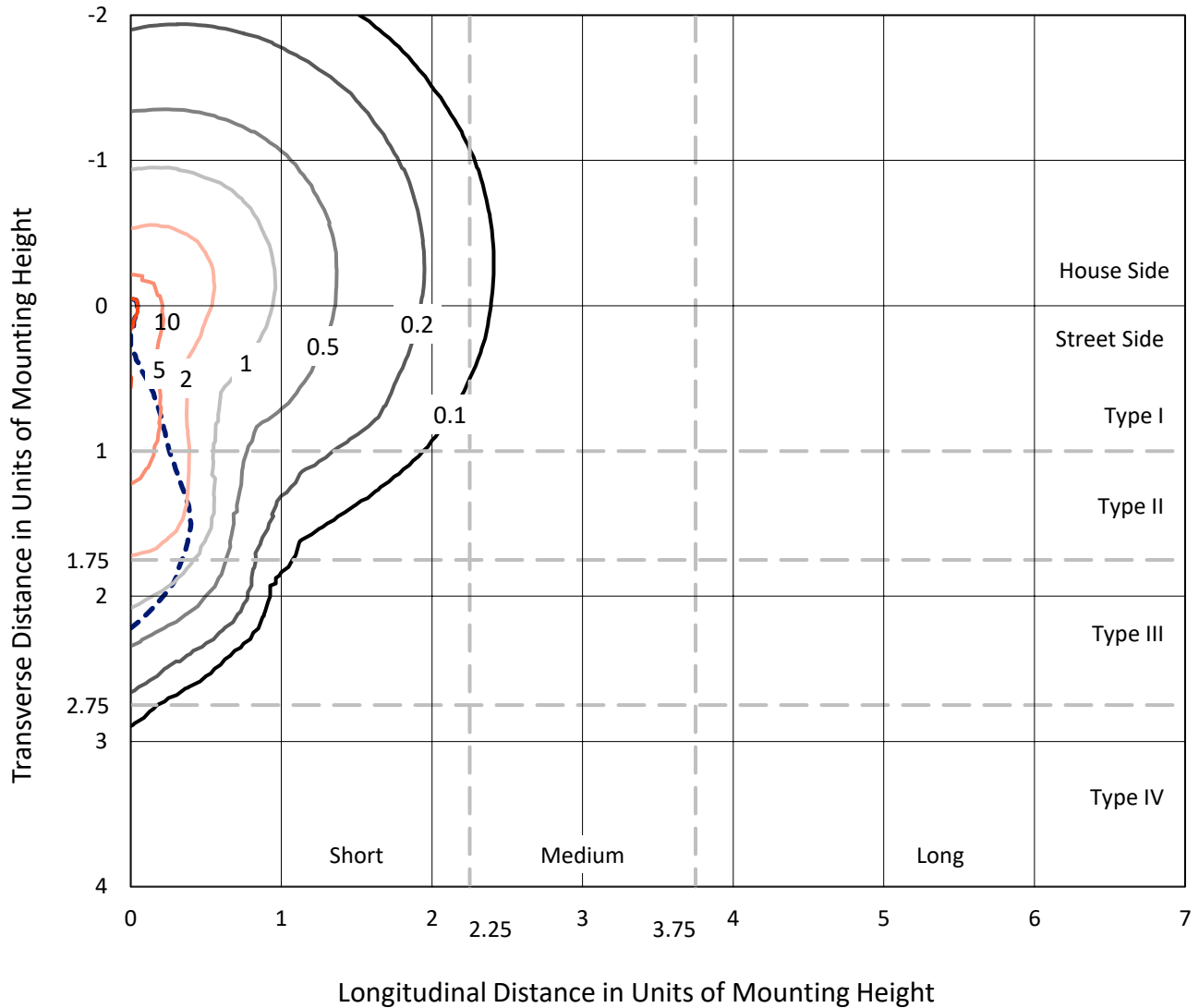
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

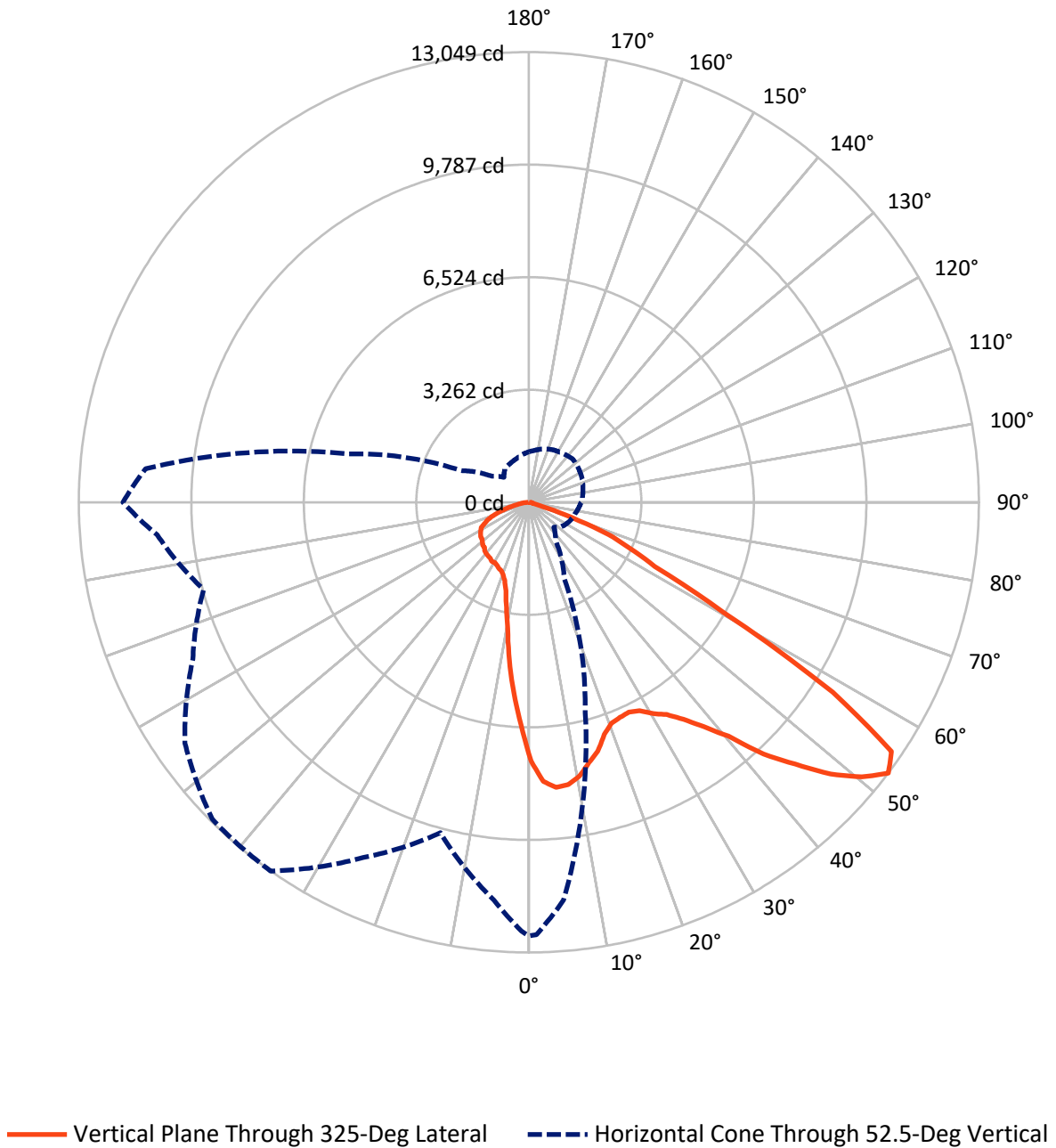
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5091.9	0.0	5091.9
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	11799.1	0.0	11799.1
	% Fixture	69.9	0.0	69.9
Total	Lumens	16891.0	0.0	16891.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.9	3.4
10°-20°	1239.8	7.3
20°-30°	1873.2	11.1
30°-40°	2706.9	16.0
40°-50°	3602.4	21.3
50°-60°	4029.4	23.9
60°-70°	2270.9	13.4
70°-80°	506.2	3.0
80°-90°	90.1	0.5
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°	16891.0	100.0
0°-180°	16891.0	100.0

Coefficient of Utilization



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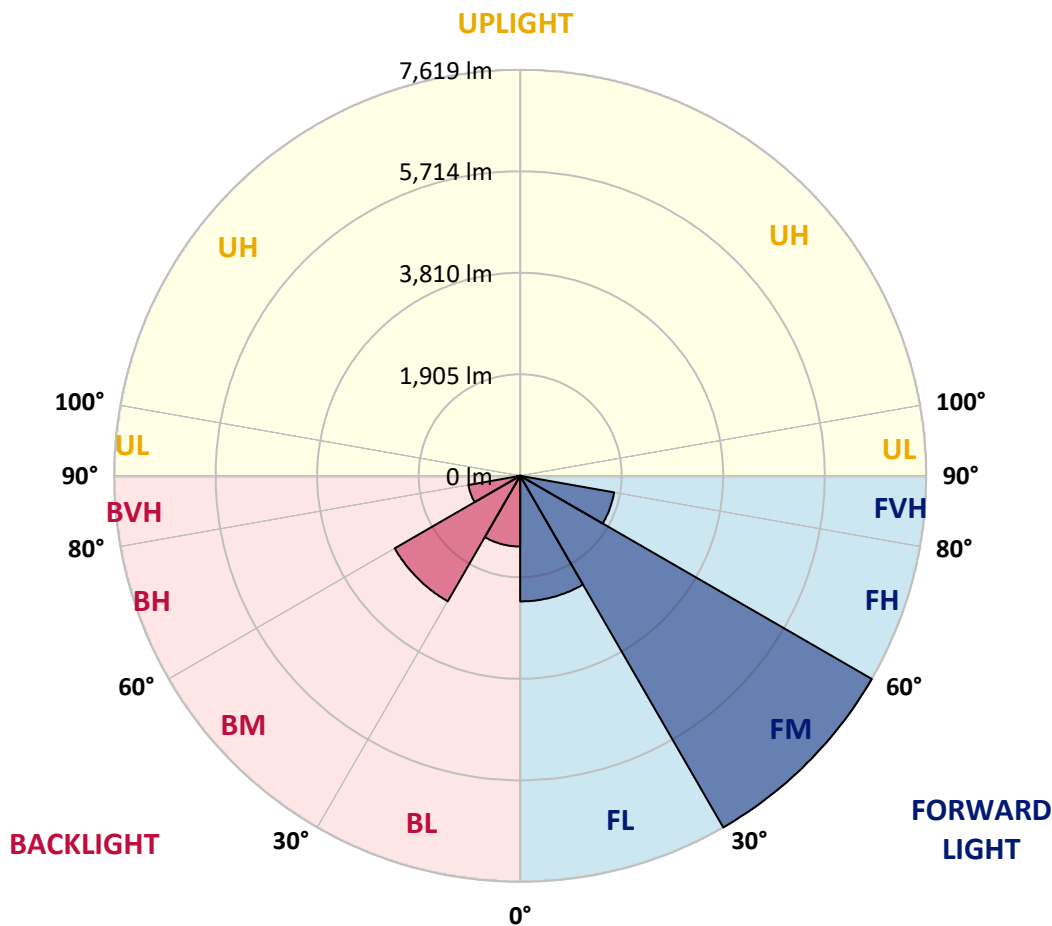
CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2357.1	14.0			
FM (30°-60°)	7619.1	45.1			
FH (60°-80°)	1790.2	10.6			G1/1800
FVH (80°-90°)	32.6	0.2			G1/100
BL (0°-30°)	1327.9	7.9	B3/2500		
BM (30°-60°)	2719.6	16.1	B3/5000		
BH (60°-80°)	987.0	5.8	B2/1000		G2/1000
BVH (80°-90°)	57.5	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3
2.5°	7621.2	7743.6	7611.4	7376.4	7209.9	7058.1	6899.0	6867.1	6659.1	6622.3	6470.5
5°	7187.9	7160.9	6999.3	6690.9	6350.6	6042.1	5814.4	5594.1	5444.8	5270.9	5258.7
7.5°	6661.5	6504.8	6411.8	5944.2	5523.1	5038.4	4830.3	4494.9	4389.6	4232.9	4152.1
10°	6191.4	6076.4	5858.5	5390.9	4803.3	4482.6	4259.8	4078.7	3956.3	3794.7	3591.5
12.5°	5958.9	5912.4	5667.5	4942.9	4507.1	4164.4	4007.7	3831.4	3623.3	3363.8	3263.4
15°	6000.5	5843.8	5657.7	4857.2	4254.9	3924.4	3674.7	3454.4	3187.5	2940.3	2795.8
17.5°	6311.4	6191.4	5819.3	4911.1	4159.5	3682.1	3229.2	2903.5	2663.6	2440.8	2340.5
20°	6923.5	6749.6	6331.0	4979.6	3953.8	3344.2	2825.2	2423.7	2166.6	2049.1	2014.9
22.5°	7601.6	7498.8	6830.4	5133.8	3789.8	3030.8	2396.8	1995.3	1899.8	1868.0	1931.6
25°	8426.6	8159.8	7606.5	5386.0	3662.5	2764.0	2034.4	1811.7	1762.7	1794.5	1868.0
27.5°	9053.4	8982.4	8150.0	5623.5	3488.7	2443.3	1831.2	1684.3	1699.0	1730.9	1799.4
30°	9797.6	9437.7	8676.4	5787.5	3332.0	2222.9	1689.2	1650.1	1664.8	1718.6	1752.9
32.5°	10245.6	10111.0	9006.9	6034.8	3150.8	2032.0	1579.1	1542.4	1564.4	1645.2	1726.0
35°	10816.1	10549.2	9415.7	6098.4	3023.5	1956.1	1500.7	1473.8	1525.2	1581.5	1672.1
37.5°	11482.0	11298.4	9981.2	6054.4	2955.0	1877.8	1434.6	1422.4	1459.1	1537.5	1642.7
40°	11876.1	11819.8	10277.5	6081.3	2847.2	1809.2	1358.7	1373.4	1449.3	1510.5	1613.4
42.5°	12255.6	11888.4	10715.7	6071.5	2778.7	1716.2	1366.1	1348.9	1407.7	1478.7	1576.6
45°	12338.8	11974.1	10818.5	6002.9	2695.4	1625.6	1309.8	1317.1	1388.1	1476.3	1539.9
47.5°	12285.0	12015.7	11009.5	5983.4	2617.1	1561.9	1226.5	1314.7	1356.3	1427.3	1517.9
50°	12248.2	12233.6	11171.0	6076.4	2511.8	1461.6	1126.2	1282.8	1324.5	1395.5	1493.4
52.5°	12571.4	12539.6	11575.0	6321.2	2428.6	1353.8	1023.3	1202.1	1302.4	1371.0	1466.5
55°	12767.3	12627.7	12267.8	6622.3	2289.0	1211.8	952.3	1101.7	1248.6	1309.8	1407.7
57.5°	11484.4	11388.9	11097.6	6181.7	2054.0	1025.8	864.2	998.9	1175.1	1270.6	1371.0
60°	9555.2	9405.9	8659.2	5253.8	1515.4	798.1	810.3	918.1	1155.5	1192.3	1309.8
62.5°	9009.3	8639.6	7623.6	4228.0	1162.9	685.5	727.1	844.6	1052.7	1113.9	1231.4
65°	7148.7	6874.5	5454.5	3052.9	778.5	594.9	663.5	761.4	908.3	1028.2	1136.0
67.5°	4475.3	4213.3	2910.9	1444.4	543.5	509.2	592.5	695.3	815.2	923.0	1042.9
70°	2338.0	2051.6	1344.1	521.5	374.6	416.2	494.5	592.5	710.0	798.1	891.1
72.5°	871.6	707.5	438.2	225.2	259.5	318.3	401.5	472.5	555.7	663.5	714.9
75°	134.6	115.1	112.6	137.1	176.3	230.1	286.4	357.4	430.9	499.4	533.7
77.5°	63.7	61.2	68.5	90.6	117.5	164.0	208.1	276.6	335.4	379.5	399.1
80°	41.6	39.2	44.1	61.2	88.1	122.4	166.5	213.0	266.9	303.6	298.7
82.5°	24.5	26.9	26.9	41.6	61.2	88.1	120.0	161.6	198.3	230.1	210.5
85°	14.7	12.2	12.2	24.5	41.6	71.0	100.4	68.5	71.0	71.0	80.8
87.5°	4.9	4.9	4.9	2.4	4.9	4.9	7.3	12.2	14.7	17.1	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3
2.5°	6465.6	6541.5	6514.6	6419.1	6492.6	6504.8	6455.9	6624.8	6656.6	6605.2	6619.9
5°	5241.6	5261.1	5305.2	5398.2	5464.3	5542.7	5542.7	5547.6	5481.5	5648.0	5599.0
7.5°	4083.6	4095.8	4147.2	4345.5	4401.8	4551.2	4614.8	4570.8	4438.6	4382.2	4428.8
10°	3525.4	3454.4	3437.2	3461.7	3589.0	3652.7	3706.5	3691.9	3669.8	3625.8	3576.8
12.5°	3153.3	3101.8	3060.2	3001.5	3008.8	3070.0	3111.6	3077.4	3087.2	3096.9	3111.6
15°	2749.3	2712.6	2690.6	2602.4	2592.6	2634.2	2648.9	2668.5	2705.2	2707.7	2690.6
17.5°	2320.9	2289.0	2338.0	2387.0	2352.7	2355.1	2382.1	2399.2	2389.4	2345.4	2323.3
20°	2027.1	2061.4	2110.3	2156.8	2193.6	2215.6	2225.4	2198.5	2166.6	2076.1	2073.6
22.5°	1941.4	1985.5	2027.1	2098.1	2132.4	2188.7	2137.3	2076.1	2032.0	1987.9	1936.5
25°	1877.8	1914.5	1997.7	2024.6	2090.7	2137.3	2100.5	2039.3	1963.4	1899.8	1860.6
27.5°	1831.2	1872.9	1926.7	2000.2	2051.6	2078.5	2041.8	2017.3	1939.0	1863.1	1806.8
30°	1801.9	1845.9	1943.9	2005.1	2049.1	2071.2	2007.5	1978.1	1921.8	1858.2	1809.2
32.5°	1782.3	1821.4	1904.7	1983.0	2012.4	2012.4	2022.2	1987.9	1909.6	1801.9	1760.2
35°	1718.6	1772.5	1841.0	1931.6	1985.5	2017.3	1968.3	1929.2	1877.8	1767.6	1691.7
37.5°	1681.9	1718.6	1806.8	1892.4	1939.0	1973.2	1953.6	1885.1	1816.6	1726.0	1664.8
40°	1642.7	1701.5	1779.8	1860.6	1912.0	1946.3	1931.6	1850.8	1767.6	1681.9	1640.3
42.5°	1615.8	1655.0	1735.8	1826.3	1887.5	1953.6	1909.6	1809.2	1750.4	1632.9	1586.4
45°	1593.8	1657.4	1743.1	1779.8	1843.5	1912.0	1833.7	1772.5	1703.9	1618.2	1579.1
47.5°	1566.8	1625.6	1681.9	1779.8	1809.2	1841.0	1826.3	1728.4	1669.7	1576.6	1549.7
50°	1557.0	1579.1	1681.9	1735.8	1777.4	1809.2	1770.0	1696.6	1640.3	1544.8	1486.0
52.5°	1517.9	1559.5	1625.6	1696.6	1748.0	1787.2	1723.5	1677.0	1601.1	1500.7	1464.0
55°	1468.9	1493.4	1610.9	1684.3	1711.3	1738.2	1713.7	1637.8	1559.5	1456.7	1419.9
57.5°	1405.3	1461.6	1557.0	1659.9	1694.1	1708.8	1669.7	1608.5	1510.5	1419.9	1361.2
60°	1339.2	1397.9	1503.2	1586.4	1620.7	1674.6	1615.8	1579.1	1466.5	1366.1	1302.4
62.5°	1273.1	1339.2	1417.5	1522.8	1552.1	1574.2	1559.5	1508.1	1417.5	1304.9	1226.5
65°	1194.7	1243.7	1341.6	1395.5	1415.0	1466.5	1415.0	1395.5	1314.7	1207.0	1140.9
67.5°	1077.2	1118.8	1204.5	1255.9	1270.6	1292.6	1290.2	1268.2	1177.6	1104.1	1045.4
70°	942.5	979.3	1033.1	1094.3	1101.7	1128.6	1104.1	1099.2	1040.5	940.1	908.3
72.5°	756.5	790.8	861.8	888.7	891.1	900.9	888.7	871.6	856.9	751.6	719.8
75°	580.2	599.8	634.1	658.6	658.6	670.8	663.5	646.3	607.1	541.0	509.2
77.5°	403.9	423.5	467.6	482.3	479.8	484.7	462.7	445.6	386.8	352.5	325.6
80°	293.8	306.0	328.1	337.8	340.3	347.6	320.7	306.0	271.7	232.6	220.3
82.5°	213.0	220.3	222.8	235.0	235.0	222.8	215.4	200.8	176.3	151.8	142.0
85°	88.1	90.6	93.0	107.7	110.2	132.2	122.4	115.1	100.4	85.7	78.3
87.5°	22.0	24.5	31.8	26.9	31.8	31.8	34.3	39.2	39.2	31.8	31.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3
2.5°	6676.2	6695.8	6945.5	6977.3	7099.7	7224.6	7476.7	7657.9	7804.8	7900.3	7927.2
5°	5650.4	5775.3	5890.3	6076.4	6245.3	6485.2	6761.9	7104.6	7535.5	7755.8	7844.0
7.5°	4423.9	4570.8	4737.2	4918.4	5165.7	5596.5	5966.2	6362.8	6913.7	7141.3	7486.5
10°	3611.1	3775.1	3995.4	4135.0	4433.7	4844.9	5275.8	5733.6	6260.0	6588.1	6987.1
12.5°	3192.4	3327.1	3530.3	3824.1	4046.8	4313.7	4634.4	5212.2	5966.2	6277.1	6551.3
15°	2729.7	2879.1	3114.1	3439.7	3706.5	4024.8	4384.7	5013.9	5816.9	6296.7	6529.3
17.5°	2347.8	2455.5	2702.8	2984.3	3290.4	3638.0	4154.6	5004.1	5973.6	6588.1	6967.5
20°	2083.4	2098.1	2232.7	2472.7	2888.9	3341.8	4012.6	4955.1	6475.4	7089.9	7569.8
22.5°	1916.9	1902.2	1904.7	2107.9	2399.2	3050.4	3789.8	5121.6	7045.9	7888.0	8211.2
25°	1833.7	1794.5	1770.0	1814.1	2078.5	2705.2	3620.9	5341.9	7660.4	8546.6	8943.2
27.5°	1789.6	1721.1	1672.1	1679.5	1872.9	2531.4	3515.6	5437.4	8270.0	9464.7	9604.2
30°	1772.5	1686.8	1615.8	1591.3	1718.6	2289.0	3290.4	5601.4	8815.9	9969.0	10089.0
32.5°	1711.3	1606.0	1537.5	1515.4	1566.8	2076.1	3128.8	5719.0	9298.2	10517.4	10475.8
35°	1640.3	1552.1	1466.5	1424.8	1461.6	1939.0	2999.0	5662.6	9866.2	10943.4	10921.3
37.5°	1632.9	1517.9	1446.9	1378.3	1375.9	1770.0	2822.8	5716.5	10228.5	11707.2	11406.1
40°	1569.3	1495.8	1402.8	1346.5	1314.7	1684.3	2651.4	5589.2	10759.8	12015.7	11719.4
42.5°	1571.7	1461.6	1380.8	1314.7	1282.8	1559.5	2533.9	5554.9	10945.8	12517.5	11866.3
45°	1532.6	1424.8	1356.3	1278.0	1260.8	1464.0	2421.3	5395.8	11273.9	12542.0	11682.7
47.5°	1493.4	1397.9	1324.5	1231.4	1192.3	1429.7	2333.1	5263.6	11102.5	12311.9	11428.1
50°	1466.5	1356.3	1287.7	1221.6	1111.5	1371.0	2218.1	5231.8	10862.6	12001.0	10955.6
52.5°	1419.9	1322.0	1251.0	1199.6	1023.3	1317.1	2174.0	5417.8	11156.4	11768.4	10818.5
55°	1375.9	1275.5	1184.9	1084.5	949.9	1175.1	2051.6	5591.6	11584.8	12304.6	11440.3
57.5°	1329.4	1233.9	1136.0	1016.0	878.9	1028.2	1924.3	5623.5	10781.8	11371.8	10860.1
60°	1268.2	1145.7	1072.3	915.6	803.0	852.0	1525.2	4957.6	8363.0	9496.5	9513.6
62.5°	1199.6	1067.4	1003.8	820.1	724.7	734.5	1243.7	4166.8	6783.9	7861.1	8328.7
65°	1109.0	981.7	905.8	758.9	668.4	636.5	910.7	3052.9	5153.4	6377.5	6908.8
67.5°	991.5	871.6	776.1	661.0	597.4	545.9	621.8	1718.6	3043.1	4281.9	4443.4
70°	866.7	763.8	663.5	568.0	497.0	460.3	455.4	761.4	1454.2	2303.7	2622.0
72.5°	683.0	609.6	528.8	457.8	411.3	357.4	325.6	315.8	492.1	937.7	1295.1
75°	489.6	428.4	381.9	335.4	301.1	271.7	247.3	225.2	205.6	235.0	323.2
77.5°	308.5	286.4	249.7	237.5	217.9	210.5	200.8	188.5	173.8	164.0	164.0
80°	208.1	193.4	181.2	178.7	171.4	168.9	171.4	159.1	144.4	132.2	137.1
82.5°	139.5	137.1	134.6	132.2	134.6	137.1	142.0	139.5	127.3	120.0	122.4
85°	83.2	88.1	93.0	97.9	107.7	95.5	78.3	66.1	58.8	53.9	51.4
87.5°	31.8	44.1	39.2	36.7	39.2	36.7	34.3	31.8	26.9	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P530734

CATALOG NUMBER: GALN-SA6A-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3	7496.3
2.5°	8105.9	8154.9	8196.5	8186.7	8101.0	7986.0	7939.5	7702.0	7653.0	7621.2
5°	8216.1	8500.1	8561.3	8524.6	8301.8	8020.2	7746.0	7398.4	7195.2	7187.9
7.5°	8012.9	8363.0	8473.2	8556.4	8260.2	7770.5	7300.5	6779.0	6651.7	6661.5
10°	7496.3	8054.5	8326.3	8411.9	8071.7	7648.1	6996.9	6468.1	6196.3	6191.4
12.5°	7209.9	7648.1	7724.0	7844.0	7743.6	7315.2	6820.6	6228.2	5963.8	5958.9
15°	6955.3	7244.2	7266.2	7435.1	7489.0	7200.1	6867.1	6235.5	6022.5	6000.5
17.5°	7178.1	6977.3	6894.1	6916.1	7075.2	7180.5	7136.4	6651.7	6433.8	6311.4
20°	7327.4	6879.4	6627.2	6651.7	6840.2	7224.6	7537.9	7254.0	6908.8	6923.5
22.5°	7726.5	6894.1	6499.9	6473.0	6771.7	7454.7	7990.9	8015.3	7682.4	7601.6
25°	8323.8	7063.0	6460.7	6453.4	6739.8	7702.0	8519.7	8916.3	8576.0	8426.6
27.5°	8803.7	7327.4	6583.2	6607.6	6840.2	7902.7	8970.1	9496.5	9237.0	9053.4
30°	9224.7	7601.6	6754.5	6641.9	7109.5	8008.0	9163.5	10157.5	9949.4	9797.6
32.5°	9398.6	7990.9	7026.3	6840.2	7332.3	8135.3	9565.0	10798.9	10620.2	10245.6
35°	9692.3	8208.8	7173.2	7158.5	7721.6	8441.3	9753.6	11222.5	11149.0	10816.1
37.5°	9927.4	8429.1	7694.6	7533.1	8255.3	8955.4	10057.1	11807.6	11638.7	11482.0
40°	10108.5	8823.2	8181.8	8394.8	8911.4	9423.0	10336.2	11844.3	12331.5	11876.1
42.5°	9942.1	9175.8	8982.4	9491.6	9981.2	9956.8	10368.0	12128.3	12493.1	12255.6
45°	9900.4	9773.1	10248.1	10710.8	10823.4	10399.9	10140.4	11814.9	12444.1	12338.8
47.5°	9800.1	10360.7	11188.2	11942.2	11770.9	10696.1	9868.6	11758.6	12473.5	12285.0
50°	9765.8	10488.0	11883.5	12617.9	12515.1	10953.2	9741.3	11396.3	12265.4	12248.2
52.5°	9763.3	10750.0	12172.4	12985.2	13048.8	11359.6	9915.1	11579.9	12427.0	12571.4
55°	9873.5	10666.7	12135.6	12782.0	12757.5	11178.4	9934.7	11702.3	12625.3	12767.3
57.5°	9312.9	9555.2	10015.5	10527.2	10395.0	9259.0	8872.2	10818.5	11587.2	11484.4
60°	8042.3	7283.3	6764.3	6739.8	6482.8	6127.8	7261.3	9655.6	9655.6	9555.2
62.5°	7043.4	4781.3	4108.0	3917.1	4100.7	4509.5	7004.2	9391.2	9124.4	9009.3
65°	6159.6	3650.2	2969.6	2915.8	3234.0	3851.0	6333.4	8000.7	7530.6	7148.7
67.5°	3963.6	2673.4	2208.3	2112.8	2497.1	2827.6	4215.8	4920.8	4624.6	4475.3
70°	2555.9	1740.7	1229.0	1153.1	1302.4	1743.1	2693.0	2869.3	2438.4	2338.0
72.5°	1209.4	751.6	430.9	355.0	399.1	665.9	1065.0	1145.7	952.3	871.6
75°	384.4	276.6	176.3	151.8	144.4	171.4	244.8	188.5	137.1	134.6
77.5°	171.4	164.0	139.5	117.5	102.8	85.7	71.0	58.8	61.2	63.7
80°	142.0	129.8	115.1	102.8	85.7	66.1	51.4	39.2	39.2	41.6
82.5°	124.9	112.6	100.4	85.7	73.4	53.9	39.2	26.9	24.5	24.5
85°	53.9	63.7	68.5	73.4	58.8	44.1	26.9	17.1	14.7	14.7
87.5°	22.0	19.6	17.1	14.7	12.2	12.2	9.8	7.3	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)