

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: P528394

Luminaire Tested: **GALN-SA3C-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528394
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-SA3C-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1050mA 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: 13072 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

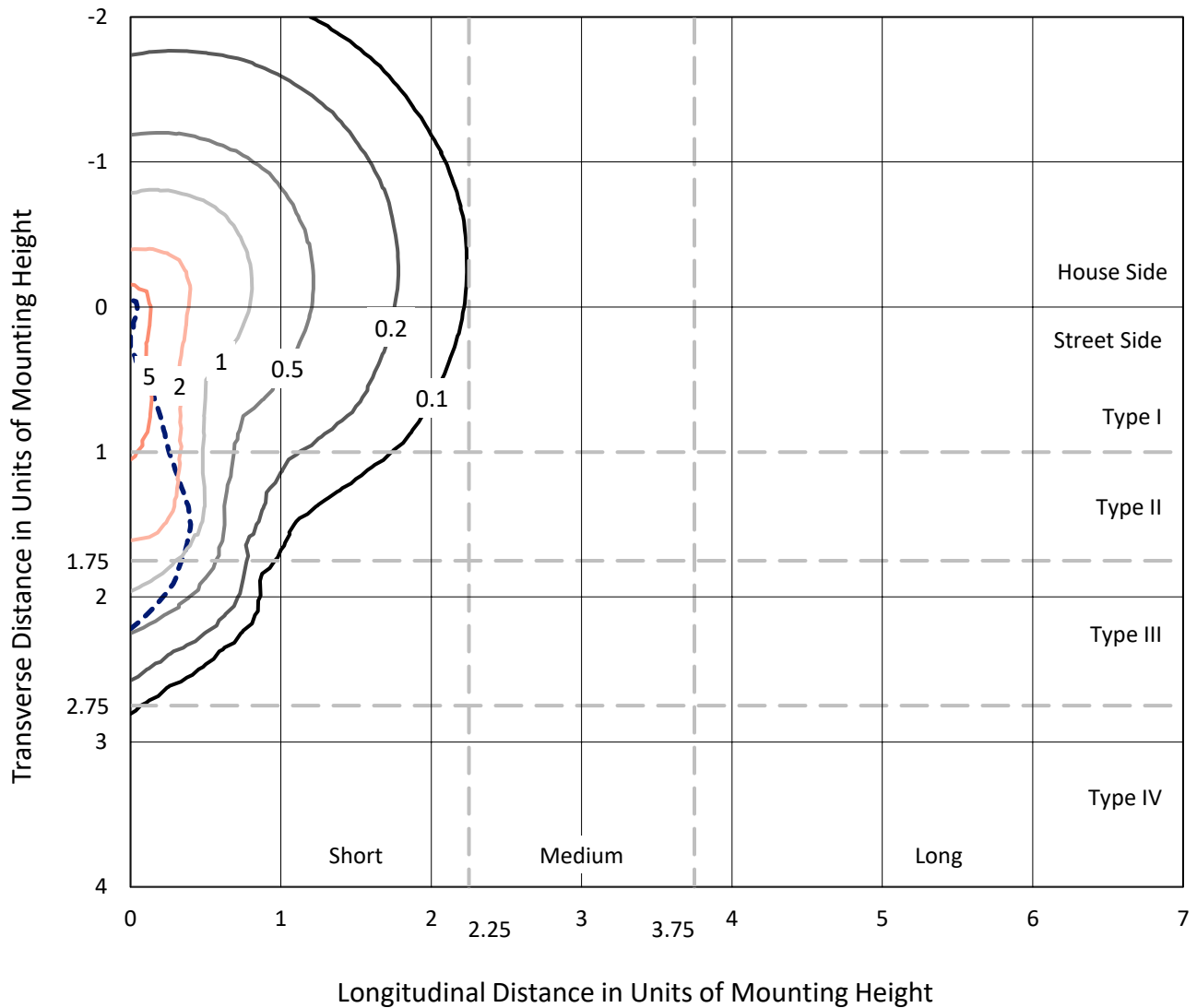
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

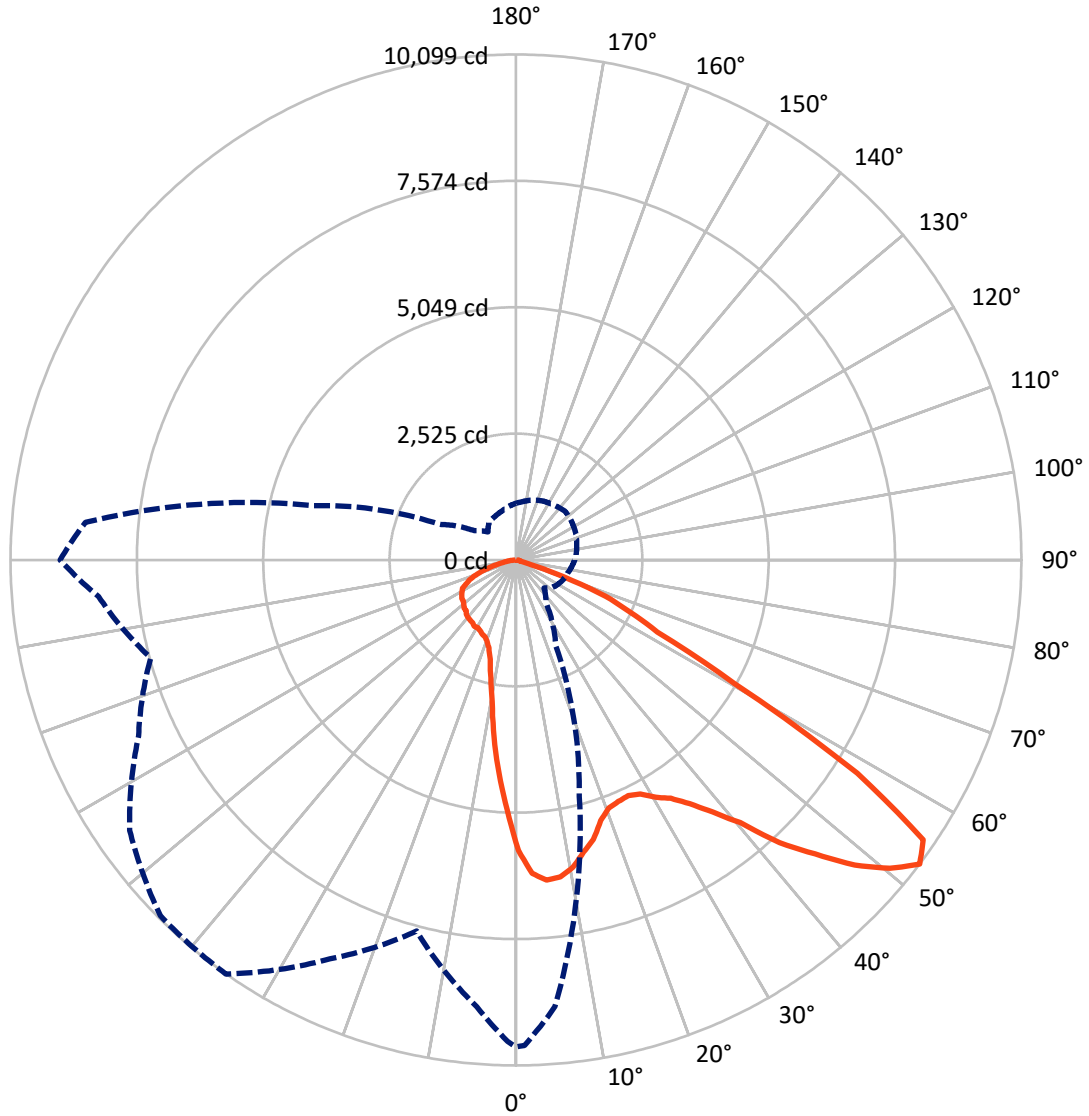
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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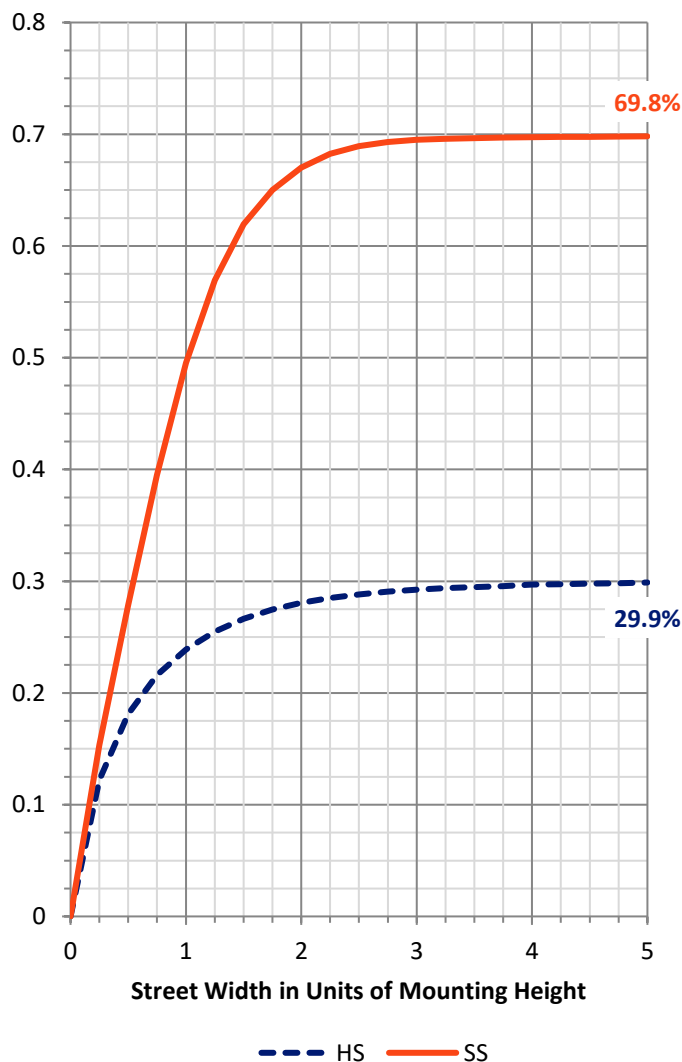
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3940.7	0.0	3940.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	9131.3	0.0	9131.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	13072.0	0.0	13072.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.6	3.4
10°-20°	959.5	7.3
20°-30°	1449.7	11.1
30°-40°	2094.9	16.0
40°-50°	2787.9	21.3
50°-60°	3118.4	23.9
60°-70°	1757.5	13.4
70°-80°	391.8	3.0
80°-90°	69.8	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°	13072.0	100.0
0°-180°	13072.0	100.0

Coefficient of Utilization



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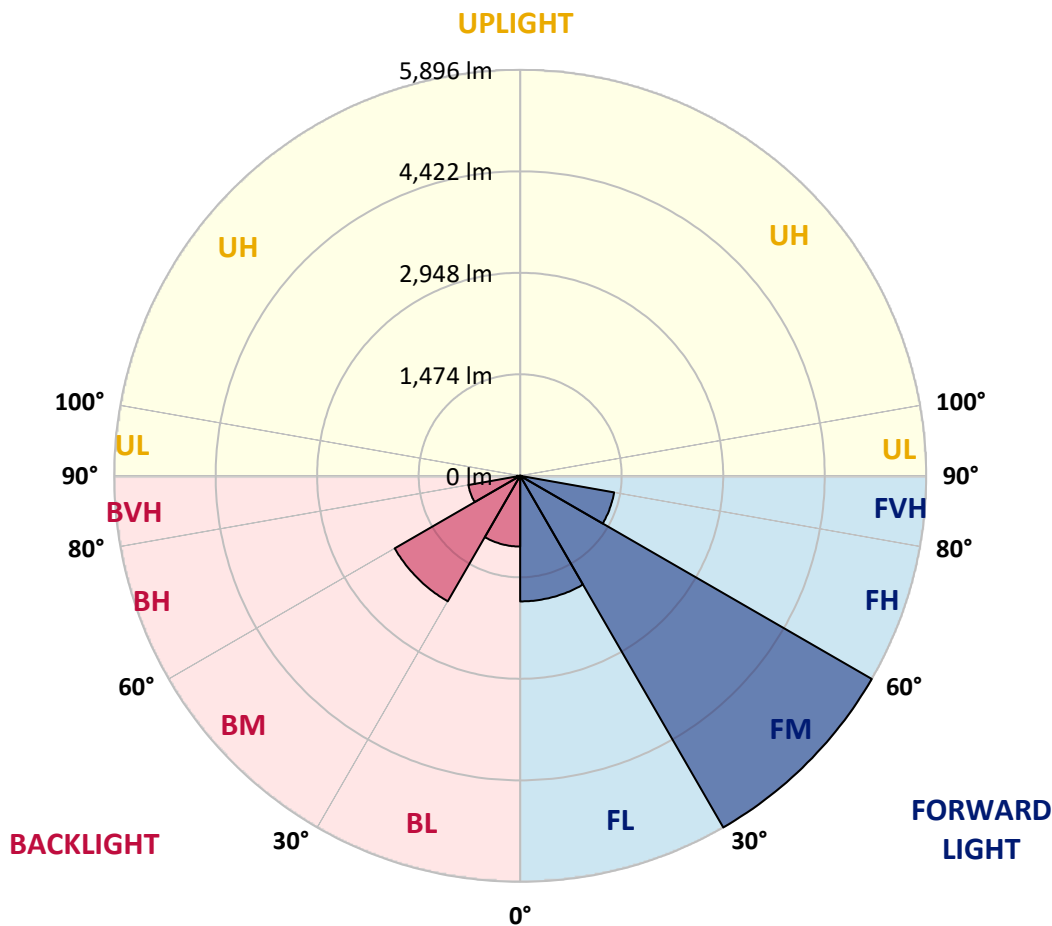
CATALOG NUMBER: GALN-SA3C-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1824.2	14.0			
FM (30°-60°)	5896.5	45.1			
FH (60°-80°)	1385.4	10.6			G1/1800
FVH (80°-90°)	25.3	0.2			G1/100
BL (0°-30°)	1027.6	7.9	B3/2500		
BM (30°-60°)	2104.7	16.1	B2/2500		
BH (60°-80°)	763.8	5.8	B2/1000		G2/1000
BVH (80°-90°)	44.5	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°	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4
2.5°	5898.1	5992.8	5890.5	5708.6	5579.8	5462.3	5339.1	5314.5	5153.5	5125.0	5007.6
5°	5562.7	5541.9	5416.8	5178.1	4914.7	4676.0	4499.8	4329.3	4213.7	4079.2	4069.7
7.5°	5155.4	5034.1	4962.1	4600.2	4274.3	3899.2	3738.2	3478.6	3397.1	3275.9	3213.3
10°	4791.6	4702.5	4533.9	4172.0	3717.3	3469.1	3296.7	3156.5	3061.8	2936.7	2779.5
12.5°	4611.6	4575.6	4386.1	3825.3	3488.1	3222.8	3101.6	2965.1	2804.1	2603.3	2525.6
15°	4643.8	4522.5	4378.5	3759.0	3292.9	3037.1	2843.9	2673.4	2466.8	2275.5	2163.7
17.5°	4884.4	4791.6	4503.6	3800.7	3219.0	2849.6	2499.1	2247.1	2061.4	1889.0	1811.3
20°	5358.1	5223.6	4899.6	3853.7	3059.9	2588.1	2186.4	1875.7	1676.8	1585.8	1559.3
22.5°	5882.9	5803.3	5286.1	3973.1	2932.9	2345.6	1854.9	1544.1	1470.3	1445.6	1494.9
25°	6521.4	6314.9	5886.7	4168.2	2834.4	2139.1	1574.5	1402.0	1364.2	1388.8	1445.6
27.5°	7006.4	6951.5	6307.3	4352.0	2699.9	1890.9	1417.2	1303.5	1314.9	1339.5	1392.6
30°	7582.4	7303.9	6714.7	4479.0	2578.6	1720.3	1307.3	1277.0	1288.4	1330.0	1356.6
32.5°	7929.1	7824.9	6970.4	4670.3	2438.4	1572.6	1222.1	1193.6	1210.7	1273.2	1335.7
35°	8370.6	8164.1	7286.8	4719.6	2339.9	1513.8	1161.4	1140.6	1180.4	1223.9	1294.0
37.5°	8885.9	8743.8	7724.5	4685.5	2286.8	1453.2	1110.3	1100.8	1129.2	1189.8	1271.3
40°	9191.0	9147.4	7953.8	4706.3	2203.5	1400.2	1051.5	1062.9	1121.6	1169.0	1248.6
42.5°	9484.6	9200.4	8292.9	4698.7	2150.4	1328.2	1057.2	1044.0	1089.4	1144.4	1220.2
45°	9549.1	9266.8	8372.5	4645.7	2086.0	1258.1	1013.6	1019.3	1074.3	1142.5	1191.7
47.5°	9507.4	9299.0	8520.3	4630.5	2025.4	1208.8	949.2	1017.4	1049.6	1104.6	1174.7
50°	9479.0	9467.6	8645.3	4702.5	1943.9	1131.1	871.5	992.8	1025.0	1080.0	1155.7
52.5°	9729.1	9704.4	8957.9	4892.0	1879.5	1047.7	792.0	930.3	1008.0	1061.0	1134.9
55°	9880.6	9772.6	9494.1	5125.0	1771.5	937.9	737.0	852.6	966.3	1013.6	1089.4
57.5°	8887.8	8813.9	8588.5	4784.0	1589.6	793.9	668.8	773.0	909.4	983.3	1061.0
60°	7394.8	7279.3	6701.4	4065.9	1172.8	617.7	627.1	710.5	894.3	922.7	1013.6
62.5°	6972.3	6686.2	5900.0	3272.1	900.0	530.5	562.7	653.7	814.7	862.1	953.0
65°	5532.4	5320.2	4221.3	2362.6	602.5	460.4	513.5	589.2	702.9	795.8	879.1
67.5°	3463.4	3260.7	2252.7	1117.8	420.6	394.1	458.5	538.1	630.9	714.3	807.1
70°	1809.4	1587.7	1040.2	403.6	289.9	322.1	382.7	458.5	549.4	617.7	689.7
72.5°	674.5	547.6	339.1	174.3	200.8	246.3	310.7	365.7	430.1	513.5	553.2
75°	104.2	89.0	87.2	106.1	136.4	178.1	221.7	276.6	333.5	386.5	413.0
77.5°	49.3	47.4	53.1	70.1	90.9	126.9	161.0	214.1	259.6	293.7	308.8
80°	32.2	30.3	34.1	47.4	68.2	94.7	128.8	164.8	206.5	234.9	231.1
82.5°	18.9	20.8	20.8	32.2	47.4	68.2	92.8	125.0	153.5	178.1	162.9
85°	11.4	9.5	9.5	18.9	32.2	54.9	77.7	53.1	54.9	54.9	62.5
87.5°	3.8	3.8	3.8	1.9	3.8	3.8	5.7	9.5	11.4	13.3	17.1
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°	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4
2.5°	5003.8	5062.5	5041.7	4967.8	5024.6	5034.1	4996.2	5126.9	5151.6	5111.8	5123.1
5°	4056.5	4071.6	4105.7	4177.7	4228.9	4289.5	4289.5	4293.3	4242.1	4371.0	4333.1
7.5°	3160.3	3169.8	3209.5	3363.0	3406.6	3522.2	3571.4	3537.3	3435.0	3391.4	3427.4
10°	2728.3	2673.4	2660.1	2679.0	2777.6	2826.8	2868.5	2857.1	2840.1	2806.0	2768.1
12.5°	2440.3	2400.5	2368.3	2322.8	2328.5	2375.9	2408.1	2381.6	2389.2	2396.7	2408.1
15°	2127.7	2099.3	2082.2	2014.0	2006.4	2038.6	2050.0	2065.2	2093.6	2095.5	2082.2
17.5°	1796.1	1771.5	1809.4	1847.3	1820.8	1822.7	1843.5	1856.8	1849.2	1815.1	1798.0
20°	1568.8	1595.3	1633.2	1669.2	1697.6	1714.7	1722.2	1701.4	1676.8	1606.7	1604.8
22.5°	1502.5	1536.6	1568.8	1623.7	1650.2	1693.8	1654.0	1606.7	1572.6	1538.5	1498.7
25°	1453.2	1481.6	1546.0	1566.9	1618.0	1654.0	1625.6	1578.2	1519.5	1470.3	1439.9
27.5°	1417.2	1449.4	1491.1	1547.9	1587.7	1608.6	1580.1	1561.2	1500.6	1441.8	1398.3
30°	1394.5	1428.6	1504.4	1551.7	1585.8	1602.9	1553.6	1530.9	1487.3	1438.0	1400.2
32.5°	1379.3	1409.6	1474.0	1534.7	1557.4	1557.4	1565.0	1538.5	1477.8	1394.5	1362.3
35°	1330.0	1371.7	1424.8	1494.9	1536.6	1561.2	1523.3	1493.0	1453.2	1367.9	1309.2
37.5°	1301.6	1330.0	1398.3	1464.6	1500.6	1527.1	1511.9	1458.9	1405.8	1335.7	1288.4
40°	1271.3	1316.8	1377.4	1439.9	1479.7	1506.3	1494.9	1432.4	1367.9	1301.6	1269.4
42.5°	1250.5	1280.8	1343.3	1413.4	1460.8	1511.9	1477.8	1400.2	1354.7	1263.7	1227.7
45°	1233.4	1282.7	1349.0	1377.4	1426.7	1479.7	1419.1	1371.7	1318.7	1252.4	1222.1
47.5°	1212.6	1258.1	1301.6	1377.4	1400.2	1424.8	1413.4	1337.6	1292.2	1220.2	1199.3
50°	1205.0	1222.1	1301.6	1343.3	1375.5	1400.2	1369.8	1313.0	1269.4	1195.5	1150.1
52.5°	1174.7	1206.9	1258.1	1313.0	1352.8	1383.1	1333.8	1297.8	1239.1	1161.4	1133.0
55°	1136.8	1155.7	1246.7	1303.5	1324.4	1345.2	1326.3	1267.5	1206.9	1127.3	1098.9
57.5°	1087.5	1131.1	1205.0	1284.6	1311.1	1322.5	1292.2	1244.8	1169.0	1098.9	1053.4
60°	1036.4	1081.8	1163.3	1227.7	1254.3	1295.9	1250.5	1222.1	1134.9	1057.2	1008.0
62.5°	985.2	1036.4	1097.0	1178.5	1201.2	1218.3	1206.9	1167.1	1097.0	1009.9	949.2
65°	924.6	962.5	1038.3	1080.0	1095.1	1134.9	1095.1	1080.0	1017.4	934.1	882.9
67.5°	833.6	865.9	932.2	972.0	983.3	1000.4	998.5	981.4	911.3	854.5	809.0
70°	729.4	757.9	799.5	846.9	852.6	873.4	854.5	850.7	805.2	727.5	702.9
72.5°	585.4	612.0	666.9	687.8	689.7	697.2	687.8	674.5	663.1	581.7	557.0
75°	449.0	464.2	490.7	509.7	509.7	519.1	513.5	500.2	469.9	418.7	394.1
77.5°	312.6	327.8	361.9	373.2	371.4	375.1	358.1	344.8	299.4	272.8	252.0
80°	227.4	236.8	253.9	261.5	263.4	269.0	248.2	236.8	210.3	180.0	170.5
82.5°	164.8	170.5	172.4	181.9	181.9	172.4	166.7	155.4	136.4	117.5	109.9
85°	68.2	70.1	72.0	83.4	85.3	102.3	94.7	89.0	77.7	66.3	60.6
87.5°	17.1	18.9	24.6	20.8	24.6	24.6	26.5	30.3	30.3	24.6	24.6
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°	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4
2.5°	5166.7	5181.9	5375.1	5399.8	5494.5	5591.1	5786.3	5926.5	6040.2	6114.1	6134.9
5°	4372.9	4469.5	4558.5	4702.5	4833.3	5018.9	5233.0	5498.3	5831.7	6002.3	6070.5
7.5°	3423.6	3537.3	3666.2	3806.4	3997.7	4331.2	4617.3	4924.2	5350.5	5526.7	5793.9
10°	2794.6	2921.6	3092.1	3200.1	3431.2	3749.5	4083.0	4437.3	4844.6	5098.5	5407.3
12.5°	2470.6	2574.8	2732.1	2959.5	3131.9	3338.4	3586.6	4033.7	4617.3	4857.9	5070.1
15°	2112.5	2228.1	2410.0	2662.0	2868.5	3114.8	3393.3	3880.3	4501.7	4873.1	5053.0
17.5°	1817.0	1900.3	2091.7	2309.6	2546.4	2815.5	3215.2	3872.7	4623.0	5098.5	5392.2
20°	1612.4	1623.7	1727.9	1913.6	2235.7	2586.2	3105.3	3834.8	5011.4	5486.9	5858.3
22.5°	1483.5	1472.1	1474.0	1631.3	1856.8	2360.7	2932.9	3963.6	5452.8	6104.6	6354.7
25°	1419.1	1388.8	1369.8	1403.9	1608.6	2093.6	2802.2	4134.1	5928.4	6614.2	6921.2
27.5°	1385.0	1331.9	1294.0	1299.7	1449.4	1959.1	2720.7	4208.0	6400.1	7324.7	7432.7
30°	1371.7	1305.4	1250.5	1231.5	1330.0	1771.5	2546.4	4335.0	6822.7	7715.0	7807.9
32.5°	1324.4	1242.9	1189.8	1172.8	1212.6	1606.7	2421.4	4425.9	7195.9	8139.4	8107.2
35°	1269.4	1201.2	1134.9	1102.7	1131.1	1500.6	2321.0	4382.3	7635.5	8469.1	8452.1
37.5°	1263.7	1174.7	1119.7	1066.7	1064.8	1369.8	2184.5	4424.0	7915.9	9060.2	8827.2
40°	1214.5	1157.6	1085.6	1042.1	1017.4	1303.5	2051.9	4325.5	8327.0	9299.0	9069.7
42.5°	1216.4	1131.1	1068.6	1017.4	992.8	1206.9	1961.0	4299.0	8471.0	9687.4	9183.4
45°	1186.1	1102.7	1049.6	989.0	975.7	1133.0	1873.8	4175.8	8724.9	9706.3	9041.3
47.5°	1155.7	1081.8	1025.0	953.0	922.7	1106.5	1805.6	4073.5	8592.3	9528.2	8844.3
50°	1134.9	1049.6	996.6	945.4	860.2	1061.0	1716.6	4048.9	8406.6	9287.6	8478.6
52.5°	1098.9	1023.1	968.2	928.4	792.0	1019.3	1682.5	4192.9	8633.9	9107.6	8372.5
55°	1064.8	987.1	917.0	839.3	735.1	909.4	1587.7	4327.4	8965.5	9522.5	8853.7
57.5°	1028.8	954.9	879.1	786.3	680.2	795.8	1489.2	4352.0	8344.1	8800.7	8404.7
60°	981.4	886.7	829.9	708.6	621.4	659.3	1180.4	3836.7	6472.1	7349.4	7362.6
62.5°	928.4	826.1	776.8	634.7	560.8	568.4	962.5	3224.7	5250.1	6083.7	6445.6
65°	858.3	759.8	701.0	587.3	517.2	492.6	704.8	2362.6	3988.2	4935.6	5346.7
67.5°	767.3	674.5	600.6	511.6	462.3	422.5	481.2	1330.0	2355.1	3313.8	3438.8
70°	670.7	591.1	513.5	439.6	384.6	356.2	352.4	589.2	1125.4	1782.9	2029.2
72.5°	528.6	471.8	409.2	354.3	318.3	276.6	252.0	244.4	380.8	725.7	1002.3
75°	378.9	331.6	295.6	259.6	233.0	210.3	191.4	174.3	159.2	181.9	250.1
77.5°	238.7	221.7	193.3	183.8	168.6	162.9	155.4	145.9	134.5	126.9	126.9
80°	161.0	149.7	140.2	138.3	132.6	130.7	132.6	123.2	111.8	102.3	106.1
82.5°	108.0	106.1	104.2	102.3	104.2	106.1	109.9	108.0	98.5	92.8	94.7
85°	64.4	68.2	72.0	75.8	83.4	73.9	60.6	51.2	45.5	41.7	39.8
87.5°	24.6	34.1	30.3	28.4	30.3	28.4	26.5	24.6	20.8	18.9	18.9
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: P528394

CATALOG NUMBER: GALN-SA3C-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4	5801.4
2.5°	6273.2	6311.1	6343.3	6335.7	6269.4	6180.4	6144.4	5960.6	5922.7	5898.1
5°	6358.5	6578.2	6625.6	6597.2	6424.8	6206.9	5994.7	5725.6	5568.4	5562.7
7.5°	6201.2	6472.1	6557.4	6621.8	6392.6	6013.6	5649.9	5246.3	5147.8	5155.4
10°	5801.4	6233.4	6443.7	6510.0	6246.7	5918.9	5414.9	5005.7	4795.4	4791.6
12.5°	5579.8	5918.9	5977.6	6070.5	5992.8	5661.2	5278.5	4820.0	4615.4	4611.6
15°	5382.7	5606.3	5623.3	5754.1	5795.7	5572.2	5314.5	4825.7	4660.9	4643.8
17.5°	5555.1	5399.8	5335.3	5352.4	5475.6	5557.0	5522.9	5147.8	4979.2	4884.4
20°	5670.7	5324.0	5128.8	5147.8	5293.7	5591.1	5833.6	5613.9	5346.7	5358.1
22.5°	5979.5	5335.3	5030.3	5009.5	5240.6	5769.2	6184.2	6203.1	5945.4	5882.9
25°	6441.8	5466.1	5000.0	4994.3	5216.0	5960.6	6593.4	6900.3	6637.0	6521.4
27.5°	6813.2	5670.7	5094.7	5113.7	5293.7	6115.9	6942.0	7349.4	7148.5	7006.4
30°	7139.1	5882.9	5227.4	5140.2	5502.1	6197.4	7091.7	7860.9	7699.9	7582.4
32.5°	7273.6	6184.2	5437.7	5293.7	5674.5	6295.9	7402.4	8357.3	8219.0	7929.1
35°	7500.9	6352.8	5551.3	5540.0	5975.7	6532.8	7548.3	8685.1	8628.3	8370.6
37.5°	7682.8	6523.3	5954.9	5829.9	6388.8	6930.6	7783.2	9137.9	9007.2	8885.9
40°	7823.0	6828.3	6331.9	6496.8	6896.5	7292.5	7999.2	9166.3	9543.4	9191.0
42.5°	7694.2	7101.2	6951.5	7345.6	7724.5	7705.6	8023.9	9386.1	9668.4	9484.6
45°	7662.0	7563.5	7931.0	8289.1	8376.3	8048.5	7847.7	9143.6	9630.5	9549.1
47.5°	7584.3	8018.2	8658.6	9242.1	9109.5	8277.7	7637.4	9100.0	9653.3	9507.4
50°	7557.8	8116.7	9196.7	9765.1	9685.5	8476.7	7538.8	8819.6	9492.2	9479.0
52.5°	7555.9	8319.4	9420.2	10049.3	10098.5	8791.2	7673.4	8961.7	9617.3	9729.1
55°	7641.1	8255.0	9391.8	9892.0	9873.0	8651.0	7688.5	9056.5	9770.7	9880.6
57.5°	7207.3	7394.8	7751.0	8147.0	8044.7	7165.6	6866.2	8372.5	8967.4	8887.8
60°	6223.9	5636.6	5234.9	5216.0	5017.0	4742.3	5619.5	7472.5	7472.5	7394.8
62.5°	5450.9	3700.3	3179.2	3031.4	3173.5	3490.0	5420.6	7267.9	7061.4	6972.3
65°	4767.0	2824.9	2298.2	2256.5	2502.8	2980.3	4901.5	6191.7	5828.0	5532.4
67.5°	3067.4	2069.0	1709.0	1635.1	1932.5	2188.3	3262.6	3808.3	3579.0	3463.4
70°	1978.0	1347.1	951.1	892.4	1008.0	1349.0	2084.1	2220.5	1887.1	1809.4
72.5°	936.0	581.7	333.5	274.7	308.8	515.3	824.2	886.7	737.0	674.5
75°	297.5	214.1	136.4	117.5	111.8	132.6	189.5	145.9	106.1	104.2
77.5°	132.6	126.9	108.0	90.9	79.6	66.3	54.9	45.5	47.4	49.3
80°	109.9	100.4	89.0	79.6	66.3	51.2	39.8	30.3	30.3	32.2
82.5°	96.6	87.2	77.7	66.3	56.8	41.7	30.3	20.8	18.9	18.9
85°	41.7	49.3	53.1	56.8	45.5	34.1	20.8	13.3	11.4	11.4
87.5°	17.1	15.2	13.3	11.4	9.5	9.5	7.6	5.7	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)