

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: P652340

Luminaire Tested: **GALN-SA4B-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA4B-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14098.5 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

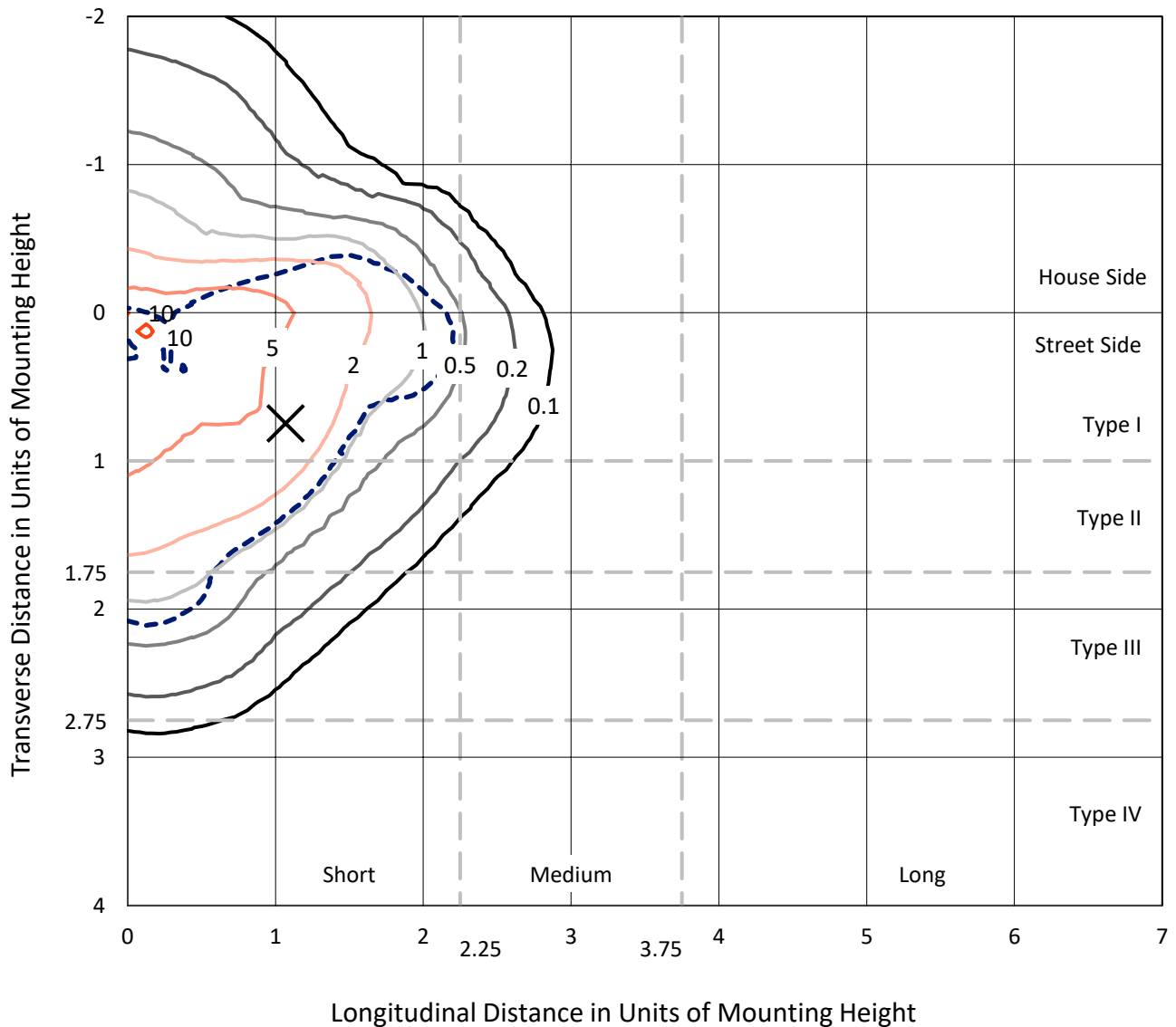
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

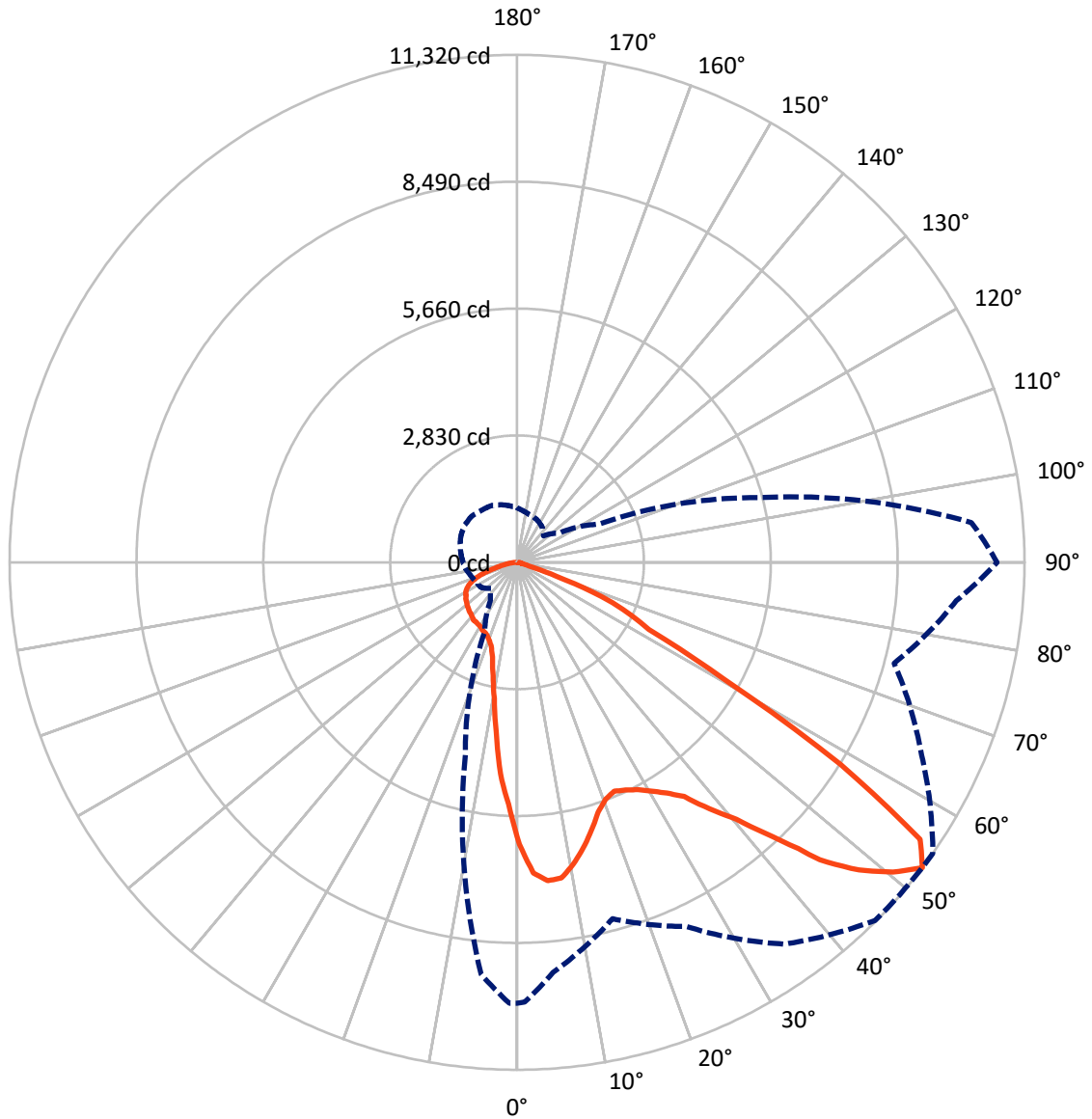
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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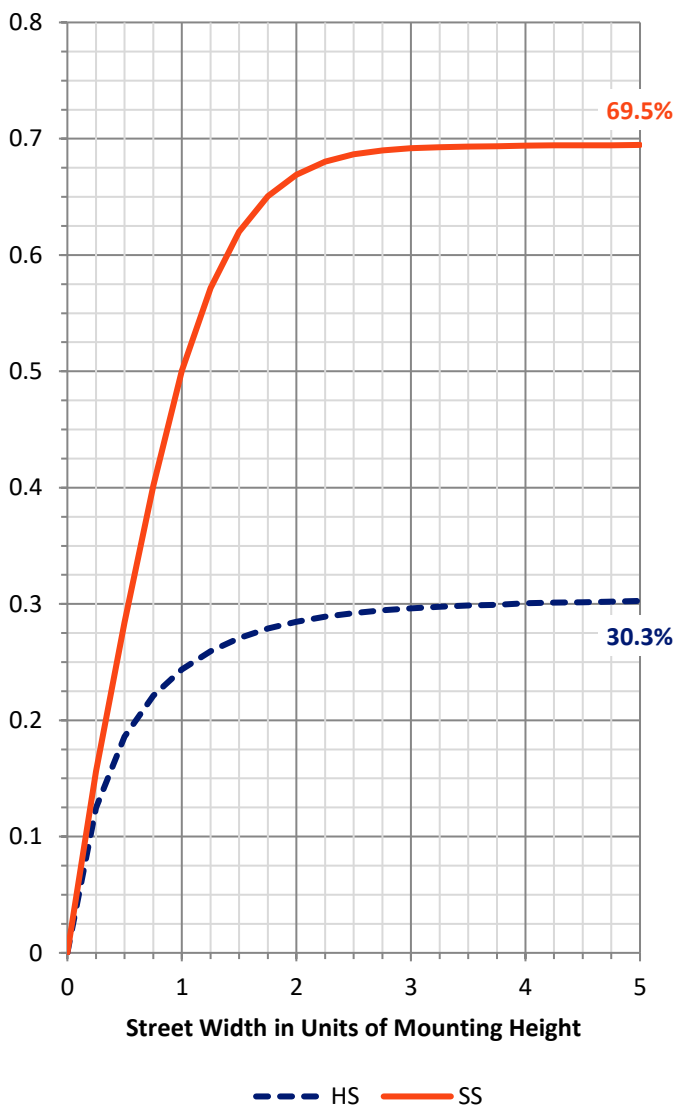
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4300.8	0.0	4300.8
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	9797.7	0.0	9797.7
	% Fixture	69.5	0.0	69.5
Total	Lumens	14098.5	0.0	14098.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.5	3.4
10°-20°	1036.0	7.3
20°-30°	1570.8	11.1
30°-40°	2269.6	16.1
40°-50°	3032.9	21.5
50°-60°	3385.3	24.0
60°-70°	1857.0	13.2
70°-80°	401.5	2.8
80°-90°	64.9	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°	14098.5	100.0
0°-180°	14098.5	100.0

Coefficient of Utilization

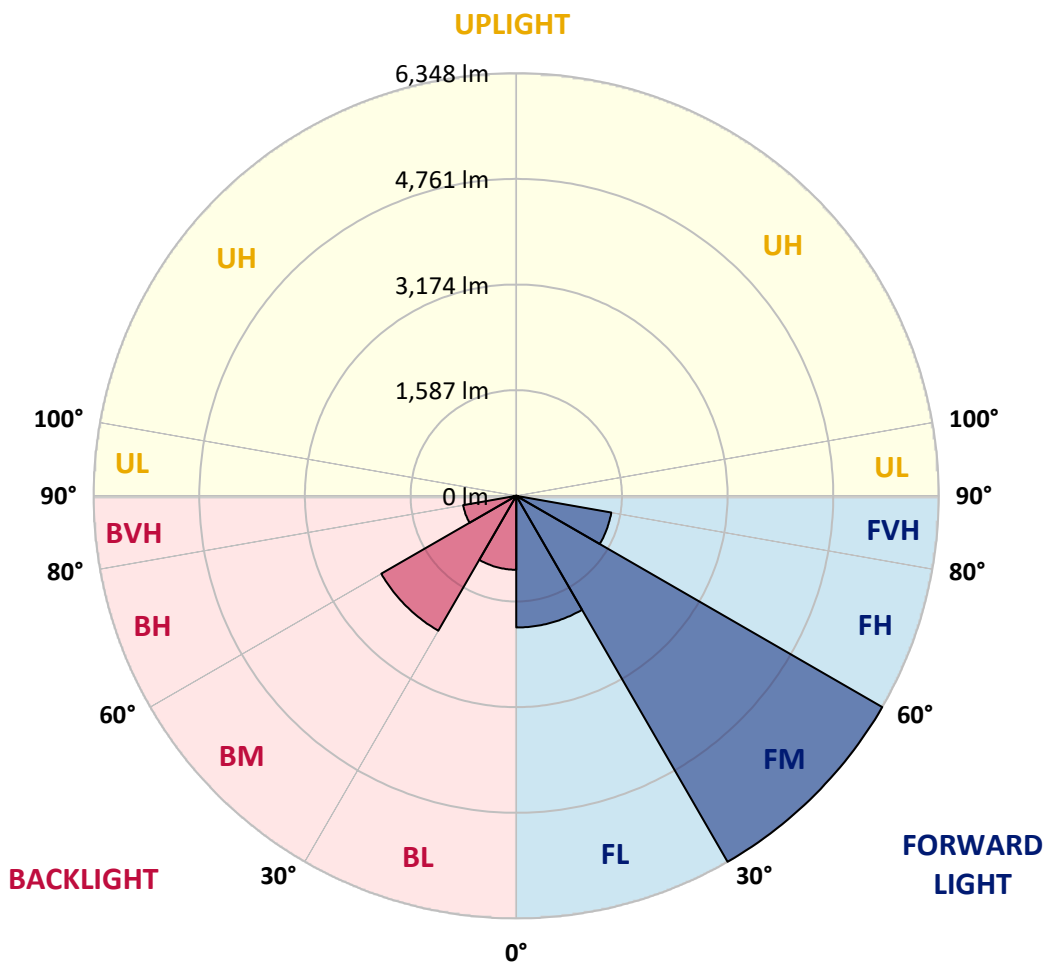


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1976.9	14.0			
FM (30°-60°)	6347.8	45.0			
FH (60°-80°)	1449.0	10.3			G1/1800
FVH (80°-90°)	24.0	0.2			G1/100
BL (0°-30°)	1110.4	7.9	B3/2500		
BM (30°-60°)	2340.0	16.6	B2/2500		
BH (60°-80°)	809.5	5.7	B2/1000		G2/1000
BVH (80°-90°)	40.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0
2.5°	6599.9	6562.8	6595.8	6752.2	6842.8	6904.5	6943.6	6937.5	6789.3	6645.2	6645.2
5°	6406.4	6359.1	6426.9	6781.1	7137.1	7168.1	7219.5	7135.1	6916.9	6653.4	6324.1
7.5°	5846.5	5881.4	5994.6	6459.9	6923.1	7155.7	7217.5	7110.4	6756.3	6264.4	5780.5
10°	5362.6	5445.0	5706.4	6208.8	6634.9	6937.5	7005.4	6855.2	6575.2	5972.0	5539.7
12.5°	5196.0	5144.5	5434.7	5937.0	6344.6	6507.2	6538.1	6548.4	6359.1	5823.8	5296.8
15°	5175.3	5208.2	5434.7	5815.5	6066.7	6075.0	6126.4	6206.7	6231.4	5924.7	5410.0
17.5°	5471.8	5432.7	5665.3	5967.9	5848.5	5729.1	5741.4	5856.7	6060.5	6011.1	5766.1
20°	5910.2	5998.8	6182.0	6151.1	5830.0	5527.4	5529.4	5638.5	6040.0	6369.3	6262.3
22.5°	6639.0	6725.5	6861.3	6488.7	5830.0	5467.7	5397.6	5545.9	6171.7	6795.4	6822.2
25°	7303.9	7462.4	7499.4	7061.0	6122.3	5523.3	5477.9	5624.1	6303.5	7211.3	7464.5
27.5°	7909.2	7966.8	8129.4	7429.5	6284.9	5560.3	5556.2	5743.5	6470.1	7419.2	8038.9
30°	8386.8	8380.6	8473.2	7662.1	6544.3	5768.2	5568.5	5922.6	6688.4	7763.0	8570.0
32.5°	8712.0	8782.0	8977.6	7985.3	6653.4	5965.8	5809.4	6132.6	6954.0	7925.6	8944.6
35°	9284.3	9405.7	9158.7	8164.4	6999.2	6161.4	5978.2	6418.8	7085.7	8102.7	9403.7
37.5°	9823.6	9731.0	9479.8	8261.1	7223.6	6523.7	6352.8	6972.5	7495.4	8487.6	9708.3
40°	10169.5	10167.4	9720.7	8339.4	7382.1	7077.4	7067.2	7534.5	7997.7	8730.5	10050.1
42.5°	10319.7	10463.9	9819.5	8331.2	7715.7	7748.6	7956.5	8374.4	8353.8	8780.0	10041.9
44°	10525.6	10612.1	9990.4	8349.7	7937.9	8201.5	8691.4	8957.0	8664.7	8753.2	10031.5
45°	10517.4	10523.6	9747.5	8374.4	8127.3	8580.2	9018.7	9467.5	8938.5	8695.5	10167.4
47.5°	10276.5	10206.5	9541.6	8191.2	8718.1	9580.8	9986.3	10258.0	9276.1	8572.1	9998.6
50°	9801.0	9720.7	9041.4	8113.0	8841.7	10202.4	10762.4	10861.2	9582.8	8450.5	9831.9
52.5°	9834.0	9811.3	9183.5	8230.3	8965.2	10398.0	11295.6	11320.3	9930.7	8705.9	9834.0
55°	10422.7	10344.5	9591.0	8376.4	8874.7	10169.5	10955.9	10912.6	9813.4	8551.5	10015.1
57.5°	9537.5	9589.0	9027.0	7798.0	7767.1	8267.4	8613.2	8506.1	8189.2	7717.7	9317.3
60°	7695.1	7841.2	7894.7	6521.6	5860.8	5603.5	5500.6	5311.2	5364.7	6340.5	8185.0
62.5°	6599.9	6591.7	6927.2	5912.3	3839.3	3302.0	3252.6	3295.8	3913.4	6241.6	8016.2
65°	5233.0	5373.0	5475.9	5010.7	3038.5	2451.8	2449.7	2723.5	3386.4	5216.5	6472.3
67.5°	3322.6	3505.8	3633.5	3205.2	2031.9	1745.7	1698.3	2027.7	2346.8	3421.4	3896.9
70°	1873.3	1959.8	2017.4	1848.6	1292.8	905.8	852.3	930.5	1418.3	2215.0	2309.7
72.5°	722.6	761.7	839.9	846.0	487.9	292.3	236.7	284.1	597.0	877.0	835.8
75°	111.2	119.4	168.8	201.8	140.0	107.1	113.2	117.3	166.8	226.5	189.4
77.5°	53.5	53.5	51.5	59.7	70.0	76.2	82.3	90.6	98.8	109.1	105.0
80°	35.0	35.0	35.0	41.2	51.5	61.7	70.0	74.1	78.2	86.5	82.3
82.5°	22.6	22.6	22.6	30.9	41.2	51.5	55.6	65.9	74.1	86.5	80.3
85°	12.4	12.4	12.4	20.6	30.9	43.2	41.2	33.0	18.5	2.0	4.1
87.5°	4.1	4.1	4.1	4.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0
2.5°	6472.3	6377.6	6369.3	6175.8	6002.9	5918.5	5850.6	5661.2	5702.3	5593.2	5591.1
5°	6159.3	5965.8	5652.9	5395.6	5138.3	5086.8	4862.4	4666.9	4673.0	4533.1	4557.7
7.5°	5597.4	5463.6	5082.7	4679.2	4337.5	4094.6	3882.6	3754.9	3592.2	3536.7	3507.9
10°	5241.2	5076.5	4648.3	4141.9	3759.0	3629.3	3425.5	3312.3	3145.5	3063.2	3005.6
12.5°	5084.8	4843.9	4308.7	3794.0	3538.8	3405.0	3232.0	3026.2	2828.5	2752.3	2647.4
15°	5101.3	4813.0	4209.9	3654.1	3347.3	3087.9	2933.5	2705.0	2503.2	2369.4	2293.3
17.5°	5350.3	5000.3	4255.1	3547.0	3106.4	2781.2	2478.6	2231.5	2071.0	1970.0	1945.4
20°	5939.1	5463.6	4331.3	3374.1	2865.5	2460.0	2087.4	1830.1	1706.6	1704.5	1706.6
22.5°	6429.0	5957.6	4485.7	3271.2	2624.7	2048.3	1677.8	1595.4	1570.7	1622.2	1628.3
25°	7089.8	6513.5	4751.2	3217.6	2402.4	1745.7	1517.2	1486.3	1484.3	1550.1	1552.1
27.5°	7767.1	6999.2	4909.8	3061.2	2175.9	1589.2	1420.4	1414.2	1447.2	1517.2	1511.0
30°	8228.3	7406.9	5196.0	2873.8	1908.3	1451.3	1381.3	1389.6	1434.8	1488.4	1496.6
32.5°	8765.5	7808.3	5270.0	2770.8	1743.6	1336.0	1286.6	1305.1	1362.8	1447.2	1492.5
35°	9381.0	8092.4	5383.2	2630.9	1681.9	1247.5	1222.8	1243.4	1313.4	1369.0	1418.3
37.5°	9836.0	8594.7	5403.8	2521.8	1614.0	1198.1	1159.0	1226.9	1268.1	1346.4	1371.0
40°	10173.6	8959.0	5457.3	2453.9	1560.4	1134.3	1134.3	1179.6	1235.2	1307.3	1356.6
42.5°	10389.8	9224.6	5496.4	2392.1	1457.5	1115.8	1105.5	1150.7	1224.8	1294.9	1317.5
44°	10521.5	9337.8	5457.3	2334.4	1428.7	1093.1	1093.1	1132.2	1189.8	1272.2	1299.0
45°	10554.5	9479.8	5370.9	2332.4	1393.7	1066.4	1062.3	1136.4	1175.5	1276.3	1292.8
47.5°	10682.1	9654.8	5381.2	2266.5	1309.3	1002.6	1074.6	1107.5	1142.5	1231.1	1286.6
50°	10678.0	9763.9	5358.5	2169.8	1247.5	930.5	1049.9	1086.9	1122.0	1212.6	1235.2
52.5°	10706.8	10171.6	5566.5	2015.4	1136.4	837.9	967.6	1049.9	1093.1	1169.3	1216.7
55°	10692.4	10404.2	5772.3	1900.1	979.9	782.3	897.5	994.3	1056.0	1136.4	1159.0
57.5°	9766.0	9195.7	5342.1	1683.9	811.1	716.4	798.7	936.7	1014.9	1097.3	1126.0
60°	7979.2	7087.8	4405.4	1239.3	667.0	658.8	743.2	918.1	951.1	1023.2	1072.5
62.5°	7373.9	6217.0	3493.4	947.0	570.2	603.2	685.5	829.6	881.1	969.6	1014.9
65°	5770.3	4129.6	2163.6	640.3	502.3	541.4	619.6	726.7	811.1	893.4	947.0
67.5°	3417.3	2256.2	1070.5	448.8	438.5	479.6	559.9	640.3	737.0	827.5	854.3
70°	1861.0	1109.6	457.0	341.7	372.6	409.7	487.9	543.5	636.1	706.1	751.3
72.5°	597.0	337.6	228.5	253.2	284.1	327.3	374.7	442.6	508.5	549.7	586.7
75°	144.1	142.0	162.6	177.0	205.9	238.8	278.0	312.9	364.4	403.5	436.4
77.5°	100.8	109.1	125.6	146.2	156.4	168.8	193.5	220.3	242.9	271.7	292.3
80°	78.2	84.4	96.7	107.1	117.3	127.7	140.0	150.3	164.7	183.3	193.5
82.5°	74.1	78.2	90.6	96.7	92.7	90.6	98.8	102.9	105.0	111.2	117.3
85°	6.1	0.0	4.1	14.4	35.0	51.5	55.6	55.6	53.5	57.6	57.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	8.2	6.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0
2.5°	5566.5	5496.4	5523.3	5556.2	5508.8	5399.7	5428.6	5416.2	5527.4	5519.1	5630.2
5°	4666.9	4557.7	4570.1	4730.7	4679.2	4734.7	4623.6	4609.2	4629.8	4640.0	4658.6
7.5°	3571.6	3557.3	3680.8	3816.6	3880.5	3814.6	3705.4	3680.8	3658.1	3612.9	3715.8
10°	2915.0	2919.1	2910.9	3013.8	3085.9	3071.4	3005.6	2997.3	2954.1	2937.6	2995.3
12.5°	2602.1	2546.5	2519.7	2486.8	2542.3	2579.4	2550.6	2530.1	2532.1	2552.7	2560.9
15°	2299.5	2264.5	2206.8	2169.8	2196.5	2178.0	2167.7	2208.9	2198.6	2194.5	2243.9
17.5°	1959.8	1988.6	1984.5	1943.3	1978.3	1963.9	1961.9	1933.0	1893.9	1865.1	1881.6
20°	1735.4	1788.9	1830.1	1832.1	1850.7	1848.6	1817.7	1729.3	1700.4	1694.2	1698.3
22.5°	1655.1	1683.9	1733.4	1803.4	1803.4	1770.4	1733.4	1630.4	1603.6	1574.9	1562.5
25°	1591.3	1646.8	1710.7	1718.9	1751.9	1721.0	1661.3	1609.8	1554.3	1515.1	1515.1
27.5°	1558.4	1620.1	1667.5	1681.9	1727.2	1702.4	1640.7	1574.9	1508.9	1506.9	1471.9
30°	1544.0	1601.6	1632.5	1667.5	1688.1	1648.9	1630.4	1560.4	1494.5	1478.1	1420.4
32.5°	1500.7	1583.1	1640.7	1632.5	1648.9	1632.5	1605.7	1548.0	1473.9	1436.9	1430.7
35°	1451.3	1533.6	1595.4	1638.7	1648.9	1614.0	1597.5	1519.3	1418.3	1399.8	1336.0
37.5°	1424.6	1473.9	1550.1	1620.1	1634.6	1616.0	1560.4	1480.2	1379.2	1358.7	1303.1
40°	1391.6	1455.4	1515.1	1572.8	1616.0	1570.7	1506.9	1428.7	1383.4	1321.6	1305.1
42.5°	1366.9	1439.0	1488.4	1552.1	1601.6	1541.9	1467.8	1414.2	1350.5	1309.3	1261.9
44°	1358.7	1424.6	1457.5	1535.8	1576.9	1531.6	1469.8	1414.2	1340.1	1303.1	1261.9
45°	1329.9	1420.4	1455.4	1525.4	1560.4	1523.4	1445.2	1389.6	1336.0	1290.8	1247.5
47.5°	1301.0	1362.8	1422.5	1478.1	1502.8	1490.4	1424.6	1356.6	1292.8	1266.0	1224.8
50°	1292.8	1354.6	1410.1	1461.6	1490.4	1465.7	1406.1	1340.1	1266.0	1222.8	1187.8
52.5°	1251.7	1327.8	1389.6	1406.1	1443.1	1428.7	1383.4	1311.4	1241.3	1204.3	1175.5
55°	1191.9	1272.2	1356.6	1377.2	1430.7	1408.1	1340.1	1272.2	1212.6	1157.0	1119.9
57.5°	1169.3	1247.5	1329.9	1356.6	1389.6	1352.5	1336.0	1264.0	1169.3	1140.5	1082.8
60°	1111.6	1210.5	1278.4	1340.1	1342.2	1331.9	1303.1	1220.7	1142.5	1089.0	1047.8
62.5°	1066.4	1159.0	1212.6	1270.2	1305.1	1276.3	1247.5	1171.3	1086.9	1027.3	979.9
65°	1000.5	1084.9	1130.1	1165.2	1204.3	1200.2	1150.7	1095.2	1006.7	959.3	914.0
67.5°	899.6	973.7	1035.4	1068.4	1093.1	1086.9	1049.9	1010.8	920.2	872.9	839.9
70°	778.2	854.3	893.4	912.0	936.7	949.0	920.2	901.6	821.4	759.6	728.7
72.5°	625.8	675.2	732.8	749.3	759.6	767.8	767.8	751.3	669.0	644.4	590.8
75°	461.1	500.2	543.5	543.5	562.0	564.1	568.2	557.9	496.1	463.2	450.9
77.5°	312.9	341.7	376.7	391.1	403.5	401.4	399.4	370.5	337.6	323.2	310.8
80°	203.8	232.6	249.1	267.6	280.0	278.0	282.0	261.5	247.0	222.4	226.5
82.5°	121.4	144.1	160.5	183.3	183.3	189.4	189.4	183.3	168.8	156.4	156.4
85°	57.6	76.2	86.5	100.8	109.1	111.2	98.8	84.4	70.0	63.8	70.0
87.5°	10.3	14.4	20.6	18.5	22.6	20.6	20.6	20.6	20.6	16.5	18.5
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: P652340

CATALOG NUMBER: GALN-SA4B-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0	6289.0
2.5°	5589.1	5692.1	5764.1	5883.5	6089.3	6254.0	6422.8	6548.4	6562.8	6599.9
5°	4726.6	4782.1	4965.3	5204.1	5373.0	5650.8	5830.0	6155.2	6276.7	6406.4
7.5°	3691.1	3781.6	4026.6	4187.2	4557.7	4905.6	5265.9	5667.3	5827.9	5846.5
10°	3112.6	3244.3	3411.1	3668.4	3870.2	4257.2	4706.0	5152.7	5331.8	5362.6
12.5°	2733.8	2902.6	3125.0	3310.3	3503.8	3841.4	4271.6	4823.3	5055.9	5196.0
15°	2369.4	2544.4	2789.4	3046.7	3217.6	3621.1	4127.5	4749.2	5051.8	5175.3
17.5°	1994.8	2157.4	2359.2	2637.0	2980.8	3433.7	4104.8	4996.2	5327.7	5471.8
20°	1673.7	1764.2	1998.9	2285.1	2715.3	3242.3	4113.1	5360.6	5846.5	5910.2
22.5°	1548.0	1568.6	1661.3	1924.8	2396.2	3046.7	4259.2	5877.3	6429.0	6639.0
25°	1451.3	1447.2	1471.9	1648.9	2163.6	2970.6	4403.4	6352.8	7075.4	7303.9
27.5°	1397.8	1356.6	1358.7	1525.4	1998.9	2847.0	4588.7	6898.4	7808.3	7909.2
30°	1371.0	1362.8	1338.1	1406.1	1819.8	2661.8	4619.5	7435.7	8240.6	8386.8
32.5°	1354.6	1274.3	1243.4	1268.1	1651.0	2460.0	4734.7	7789.8	8775.8	8712.0
35°	1272.2	1200.2	1179.6	1204.3	1531.6	2346.8	4658.6	8098.6	9177.2	9284.3
37.5°	1241.3	1177.5	1136.4	1115.8	1420.4	2252.1	4619.5	8574.1	9566.3	9823.6
40°	1212.6	1144.6	1095.2	1074.6	1334.0	2126.6	4607.2	8940.5	10015.1	10169.5
42.5°	1179.6	1136.4	1080.8	1043.7	1229.0	2001.0	4465.1	9053.7	10153.1	10319.7
44°	1169.3	1103.4	1045.8	1033.4	1187.8	1937.2	4436.3	9156.6	10272.4	10525.6
45°	1159.0	1097.3	1031.3	1014.9	1173.4	1902.2	4397.2	9181.4	10470.0	10517.4
47.5°	1130.1	1091.0	1027.3	982.0	1142.5	1826.0	4279.8	9041.4	10268.3	10276.5
50°	1107.5	1062.3	996.3	907.9	1101.4	1762.1	4333.3	8990.0	9782.5	9801.0
52.5°	1082.8	1014.9	977.8	825.5	1033.4	1708.7	4446.6	9222.6	9838.1	9834.0
55°	1054.0	979.9	889.4	755.5	920.2	1640.7	4720.4	9681.6	10352.7	10422.7
57.5°	1008.7	944.9	815.2	693.7	790.5	1511.0	4631.9	8802.6	9525.2	9537.5
60°	949.0	889.4	739.1	646.4	648.5	1191.9	4141.9	6859.3	7515.9	7695.1
62.5°	891.4	858.4	675.2	578.4	551.7	949.0	3501.7	5700.3	6451.6	6599.9
65°	823.4	743.2	619.6	527.0	473.5	664.9	2480.6	4259.2	5033.3	5233.0
67.5°	737.0	650.5	545.6	463.2	405.5	444.6	1280.4	2420.9	3205.2	3322.6
70°	644.4	564.1	459.1	391.1	327.3	306.7	564.1	1154.9	1751.9	1873.3
72.5°	529.1	455.0	366.4	308.8	245.0	212.0	189.4	308.8	621.7	722.6
75°	382.9	331.4	275.8	220.3	172.9	135.9	111.2	92.7	102.9	111.2
77.5°	282.0	240.9	203.8	156.4	121.4	96.7	76.2	57.6	55.6	53.5
80°	220.3	195.5	162.6	125.6	94.7	72.1	53.5	39.1	35.0	35.0
82.5°	172.9	160.5	133.8	102.9	78.2	57.6	39.1	26.7	22.6	22.6
85°	65.9	65.9	96.7	84.4	59.7	41.2	26.7	14.4	12.4	12.4
87.5°	16.5	16.5	16.5	16.5	14.4	12.4	12.4	6.1	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)