

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: P647995

Luminaire Tested: **GALN-SA6A-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647995
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-SA6A-835-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA 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: 15813.5 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - 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

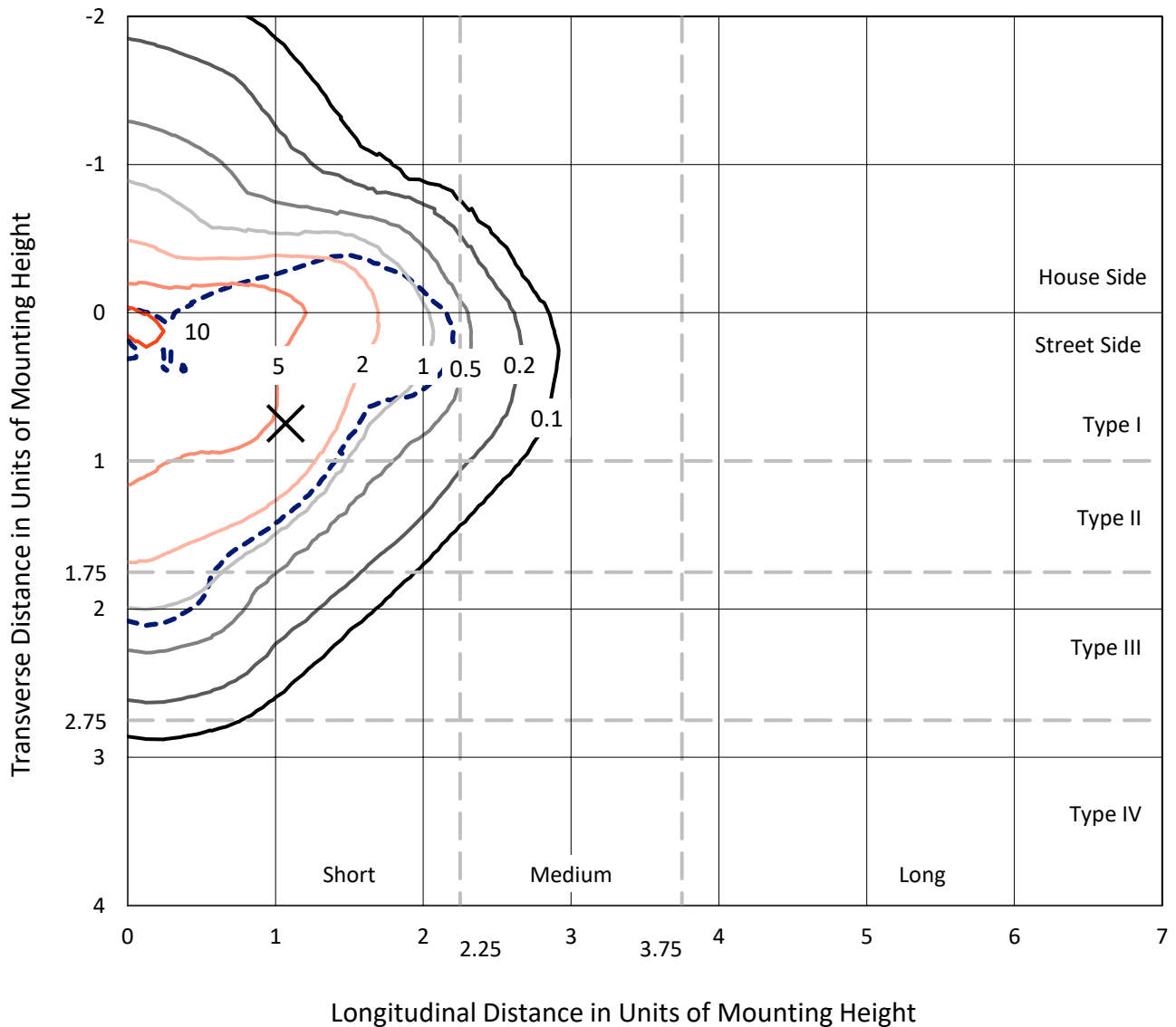




REPORT NUMBER: P647995
 CATALOG NUMBER: GALN-SA6A-835-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

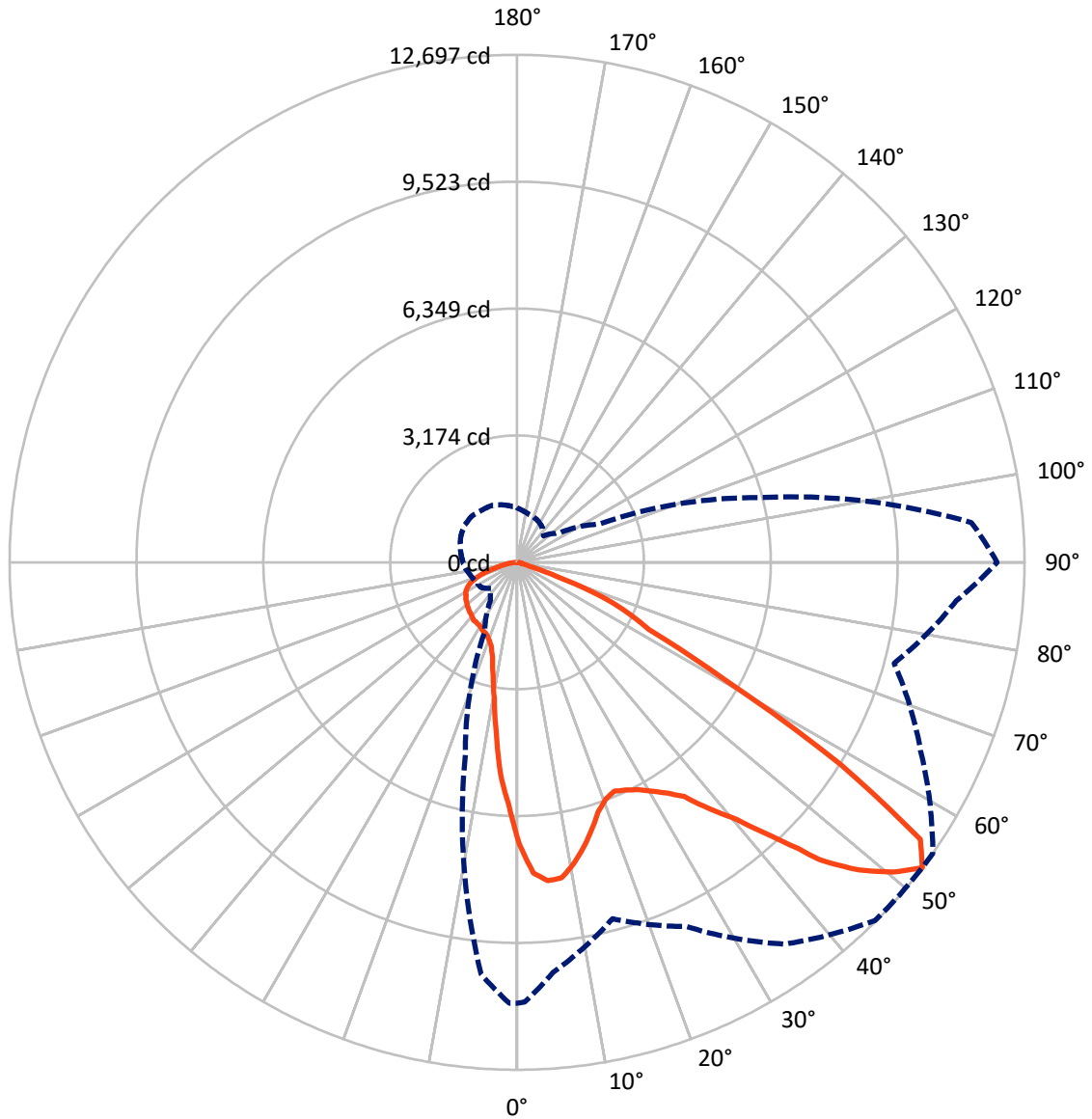
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P647995
CATALOG NUMBER: GALN-SA6A-835-U-SLL-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P647995
 CATALOG NUMBER: GALN-SA6A-835-U-SLL-GRSWH

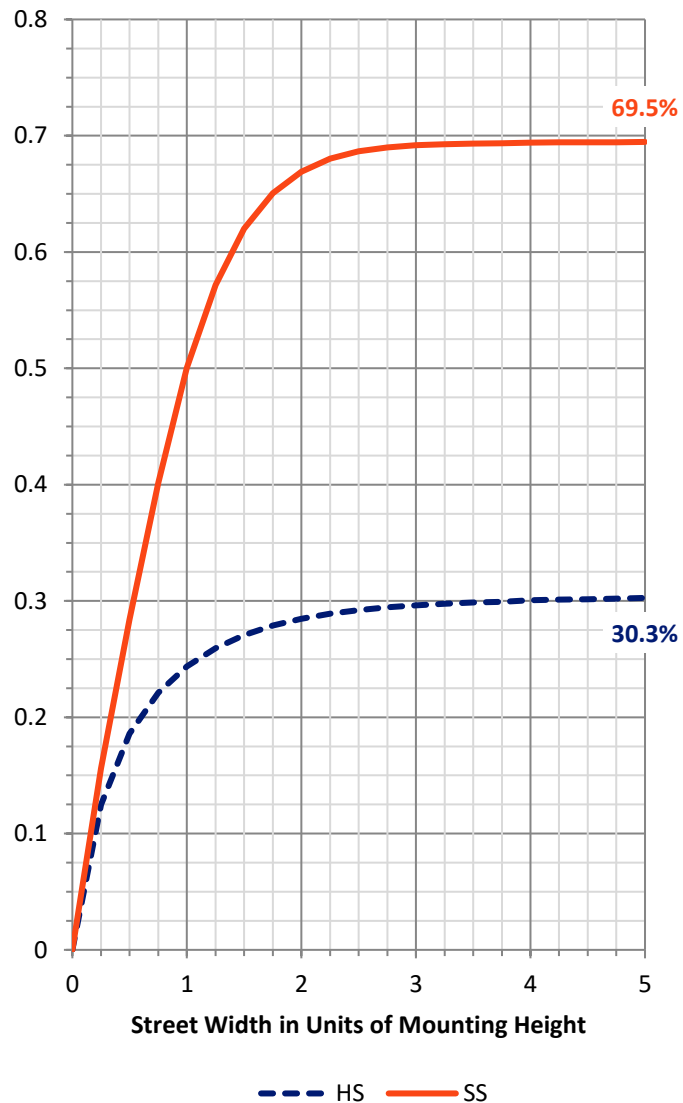
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4824.0	0.0	4824.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	10989.5	0.0	10989.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	15813.5	0.0	15813.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.9	3.4
10°-20°	1162.0	7.3
20°-30°	1761.9	11.1
30°-40°	2545.7	16.1
40°-50°	3401.8	21.5
50°-60°	3797.1	24.0
60°-70°	2082.9	13.2
70°-80°	450.3	2.8
80°-90°	72.8	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°	15813.5	100.0
0°-180°	15813.5	100.0

Coefficient of Utilization

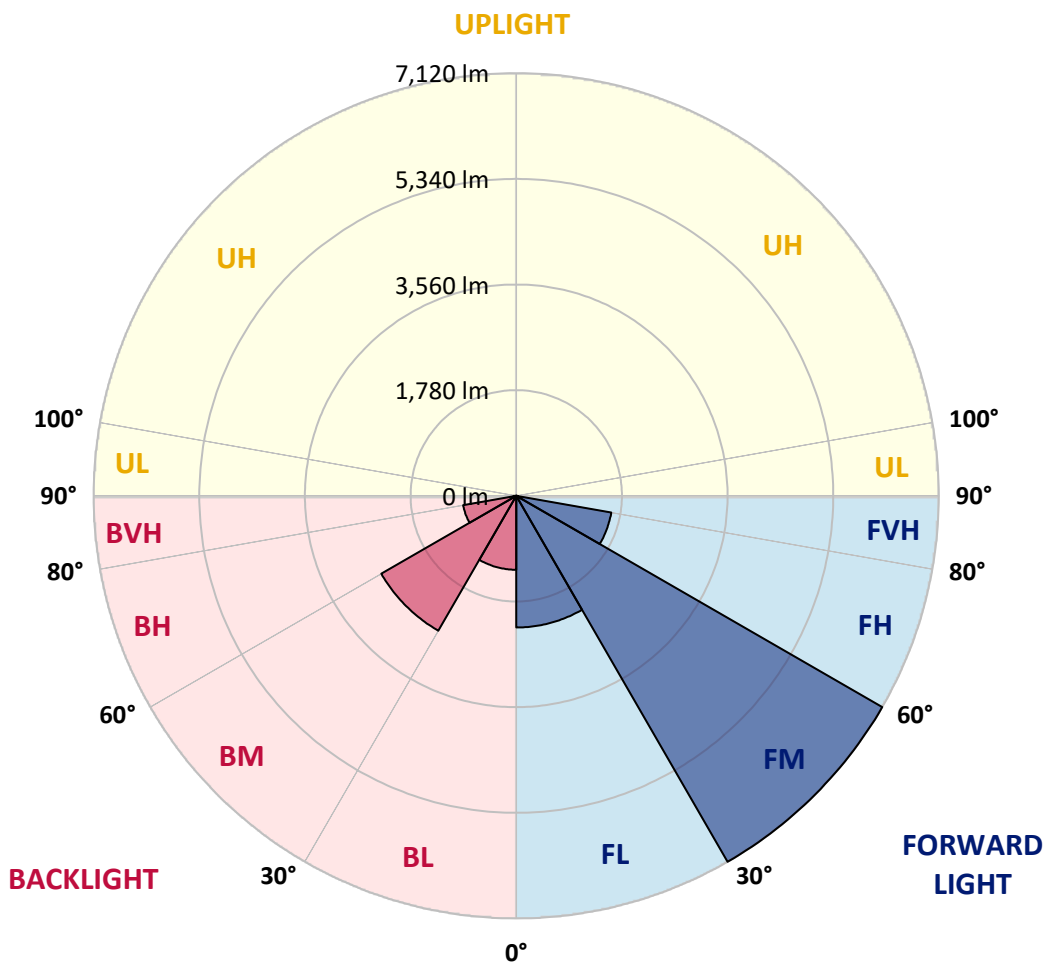


REPORT NUMBER: P647995
 CATALOG NUMBER: GALN-SA6A-835-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2217.3	14.0			
FM (30°-60°)	7120.0	45.0			
FH (60°-80°)	1625.2	10.3			G1/1800
FVH (80°-90°)	27.0	0.2			G1/100
BL (0°-30°)	1245.5	7.9	B3/2500		
BM (30°-60°)	2624.6	16.6	B3/5000		
BH (60°-80°)	908.0	5.7	B2/1000		G2/1000
BVH (80°-90°)	45.9	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





REPORT NUMBER: P647995

CATALOG NUMBER: GALN-SA6A-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0
2.5°	7402.7	7361.1	7398.1	7573.6	7675.1	7744.4	7788.3	7781.4	7615.1	7453.5	7453.5
5°	7185.7	7132.5	7208.8	7605.9	8005.3	8040.0	8097.7	8003.0	7758.3	7462.7	7093.3
7.5°	6557.6	6596.9	6723.9	7245.6	7765.2	8026.1	8095.4	7975.3	7578.2	7026.3	6483.7
10°	6015.0	6107.3	6400.6	6964.0	7441.9	7781.4	7857.6	7689.0	7375.0	6698.4	6213.6
12.5°	5827.9	5770.2	6095.8	6659.2	7116.4	7298.8	7333.4	7344.9	7132.5	6532.2	5941.1
15°	5804.8	5841.8	6095.8	6522.9	6804.7	6813.9	6871.6	6961.7	6989.4	6645.3	6068.1
17.5°	6137.4	6093.5	6354.4	6693.8	6559.9	6426.0	6439.9	6569.1	6797.7	6742.3	6467.6
20°	6629.2	6728.5	6933.9	6899.3	6539.1	6199.7	6202.0	6324.4	6774.7	7144.1	7024.0
22.5°	7446.6	7543.6	7696.0	7278.0	6539.1	6132.8	6054.2	6220.5	6922.4	7622.0	7652.1
25°	8192.4	8370.2	8411.7	7919.9	6867.0	6195.1	6144.3	6308.2	7070.2	8088.5	8372.5
27.5°	8871.2	8935.9	9118.3	8333.2	7049.4	6236.7	6232.1	6442.1	7257.2	8321.6	9016.7
30°	9406.9	9400.0	9503.9	8594.1	7340.3	6469.9	6245.9	6643.1	7502.0	8707.3	9612.4
32.5°	9771.8	9850.2	10069.6	8956.7	7462.7	6691.5	6516.0	6878.6	7799.9	8889.7	10032.7
35°	10413.7	10549.9	10272.8	9157.6	7850.7	6910.8	6705.4	7199.5	7947.6	9088.3	10547.6
37.5°	11018.6	10914.7	10633.0	9266.1	8102.3	7317.3	7125.6	7820.6	8407.1	9520.0	10889.3
40°	11406.5	11404.2	10903.1	9353.8	8280.1	7938.4	7926.9	8451.0	8970.5	9792.5	11272.6
42.5°	11575.1	11736.7	11014.0	9344.6	8654.2	8691.1	8924.3	9393.0	9370.0	9847.9	11263.4
44°	11806.0	11902.9	11205.7	9365.4	8903.6	9199.1	9748.7	10046.5	9718.6	9817.9	11251.8
45°	11796.8	11803.6	10933.2	9393.0	9116.0	9623.9	10115.8	10619.1	10025.7	9753.3	11404.2
47.5°	11526.6	11448.1	10702.3	9187.6	9778.7	10746.1	11201.0	11505.8	10404.4	9614.7	11214.8
50°	10993.2	10903.1	10141.2	9099.8	9917.2	11443.5	12071.5	12182.3	10748.5	9478.5	11027.9
52.5°	11030.1	11004.8	10300.5	9231.4	10055.8	11662.8	12669.6	12697.3	11138.6	9764.8	11030.1
55°	11690.5	11602.8	10757.7	9395.4	9954.1	11406.5	12288.6	12240.1	11007.0	9591.7	11233.3
57.5°	10697.7	10755.4	10125.1	8746.5	8711.9	9273.0	9660.9	9540.9	9185.2	8656.5	10450.6
60°	8631.1	8795.0	8855.0	7314.9	6573.8	6285.1	6169.6	5957.2	6017.3	7111.8	9180.6
62.5°	7402.7	7393.5	7769.8	6631.5	4306.3	3703.7	3648.2	3696.7	4389.4	7001.0	8991.3
65°	5869.5	6026.5	6142.0	5620.1	3408.1	2750.1	2747.7	3054.8	3798.3	5851.0	7259.5
67.5°	3726.8	3932.2	4075.4	3595.1	2279.0	1958.0	1905.0	2274.4	2632.3	3837.6	4370.9
70°	2101.2	2198.2	2262.9	2073.5	1450.0	1015.9	956.0	1043.7	1590.9	2484.5	2590.7
72.5°	810.5	854.3	942.1	949.0	547.2	327.8	265.5	318.7	669.6	983.6	937.5
75°	124.7	133.9	189.3	226.3	157.0	120.0	127.0	131.6	187.1	254.0	212.4
77.5°	60.1	60.1	57.7	66.9	78.5	85.4	92.4	101.6	110.8	122.4	117.8
80°	39.2	39.2	39.2	46.2	57.7	69.3	78.5	83.2	87.8	97.0	92.4
82.5°	25.4	25.4	25.4	34.6	46.2	57.7	62.3	73.9	83.2	97.0	90.0
85°	13.9	13.9	13.9	23.1	34.6	48.5	46.2	37.0	20.7	2.3	4.6
87.5°	4.6	4.6	4.6	4.6	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



REPORT NUMBER: P647995

CATALOG NUMBER: GALN-SA6A-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0
2.5°	7259.5	7153.3	7144.1	6927.0	6733.1	6638.4	6562.2	6349.8	6395.9	6273.6	6271.3
5°	6908.6	6691.5	6340.6	6051.9	5763.3	5705.6	5453.9	5234.5	5241.5	5084.4	5112.1
7.5°	6278.2	6128.1	5700.9	5248.4	4865.1	4592.6	4354.8	4211.6	4029.2	3966.9	3934.6
10°	5878.8	5694.1	5213.8	4645.7	4216.2	4070.8	3842.2	3715.2	3528.2	3435.8	3371.1
12.5°	5703.3	5433.1	4832.8	4255.5	3969.2	3819.1	3625.1	3394.2	3172.6	3087.1	2969.4
15°	5721.7	5398.5	4722.0	4098.5	3754.5	3463.5	3290.3	3034.0	2807.8	2657.7	2572.2
17.5°	6001.1	5608.6	4772.7	3978.4	3484.3	3119.5	2780.0	2502.9	2322.8	2209.7	2182.0
20°	6661.5	6128.1	4858.1	3784.5	3214.1	2759.3	2341.3	2052.7	1914.2	1911.9	1914.2
22.5°	7211.0	6682.3	5031.3	3669.0	2944.0	2297.5	1881.9	1789.5	1761.8	1819.5	1826.4
25°	7952.2	7305.7	5329.2	3609.0	2694.6	1958.0	1701.8	1667.1	1664.8	1738.7	1741.0
27.5°	8711.9	7850.7	5507.0	3433.5	2440.6	1782.6	1593.2	1586.3	1623.2	1701.8	1694.8
30°	9229.1	8307.8	5827.9	3223.4	2140.5	1627.9	1549.3	1558.6	1609.4	1669.4	1678.7
32.5°	9831.7	8758.1	5911.1	3108.0	1955.7	1498.6	1443.1	1463.9	1528.6	1623.2	1674.1
35°	10522.2	9076.7	6038.0	2950.9	1886.5	1399.3	1371.6	1394.7	1473.1	1535.5	1590.9
37.5°	11032.5	9640.1	6061.1	2828.5	1810.3	1343.9	1299.9	1376.2	1422.3	1510.1	1537.8
40°	11411.1	10048.8	6121.2	2752.3	1750.2	1272.3	1272.3	1323.0	1385.4	1466.2	1521.6
42.5°	11653.5	10346.7	6165.0	2683.1	1634.7	1251.5	1240.0	1290.8	1373.9	1452.4	1477.8
44°	11801.4	10473.6	6121.2	2618.4	1602.5	1226.1	1226.1	1269.9	1334.6	1426.9	1457.0
45°	11838.3	10633.0	6024.2	2616.1	1563.2	1196.0	1191.4	1274.6	1318.4	1431.6	1450.0
47.5°	11981.5	10829.3	6035.8	2542.2	1468.5	1124.5	1205.3	1242.2	1281.5	1380.8	1443.1
50°	11976.8	10951.7	6010.4	2433.7	1399.3	1043.7	1177.6	1219.1	1258.4	1360.0	1385.4
52.5°	12009.2	11408.9	6243.6	2260.5	1274.6	939.8	1085.2	1177.6	1226.1	1311.5	1364.6
55°	11993.0	11669.8	6474.5	2131.2	1099.1	877.4	1006.7	1115.2	1184.5	1274.6	1299.9
57.5°	10953.9	10314.4	5991.9	1888.8	909.8	803.5	895.9	1050.6	1138.3	1230.7	1263.1
60°	8949.7	7950.0	4941.3	1390.1	748.2	738.9	833.6	1029.8	1066.8	1147.6	1203.0
62.5°	8270.9	6973.2	3918.4	1062.1	639.6	676.5	768.9	930.5	988.2	1087.5	1138.3
65°	6472.1	4631.9	2426.8	718.1	563.4	607.3	695.0	815.1	909.8	1002.1	1062.1
67.5°	3832.9	2530.7	1200.7	503.4	491.8	538.0	628.0	718.1	826.6	928.2	958.2
70°	2087.3	1244.6	512.6	383.3	418.0	459.5	547.2	609.6	713.5	792.0	842.8
72.5°	669.6	378.7	256.3	284.0	318.7	367.1	420.2	496.4	570.3	616.5	658.0
75°	161.6	159.3	182.4	198.6	230.9	267.9	311.7	350.9	408.7	452.6	489.5
77.5°	113.1	122.4	140.9	164.0	175.5	189.3	217.0	247.0	272.5	304.8	327.8
80°	87.8	94.7	108.5	120.0	131.6	143.1	157.0	168.6	184.7	205.5	217.0
82.5°	83.2	87.8	101.6	108.5	103.9	101.6	110.8	115.4	117.8	124.7	131.6
85°	6.9	0.0	4.6	16.1	39.2	57.7	62.3	62.3	60.1	64.7	64.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	9.2	6.9
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°	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0
2.5°	6243.6	6165.0	6195.1	6232.1	6178.9	6056.5	6088.8	6075.0	6199.7	6190.5	6315.1
5°	5234.5	5112.1	5126.0	5306.1	5248.4	5310.7	5186.0	5169.9	5192.9	5204.5	5225.3
7.5°	4006.1	3989.9	4128.5	4280.9	4352.5	4278.6	4156.2	4128.5	4103.1	4052.3	4167.8
10°	3269.6	3274.2	3265.0	3380.4	3461.2	3445.0	3371.1	3361.9	3313.4	3294.9	3359.6
12.5°	2918.6	2856.2	2826.2	2789.3	2851.6	2893.2	2860.8	2837.7	2840.1	2863.2	2872.4
15°	2579.2	2539.9	2475.3	2433.7	2463.7	2443.0	2431.4	2477.6	2466.1	2461.4	2516.8
17.5°	2198.2	2230.5	2225.9	2179.7	2218.9	2202.8	2200.5	2168.1	2124.3	2091.9	2110.4
20°	1946.5	2006.5	2052.7	2055.0	2075.8	2073.5	2038.9	1939.6	1907.2	1900.3	1905.0
22.5°	1856.4	1888.8	1944.2	2022.7	2022.7	1985.8	1944.2	1828.8	1798.7	1766.4	1752.5
25°	1784.8	1847.2	1918.8	1928.1	1964.9	1930.3	1863.4	1805.7	1743.3	1699.4	1699.4
27.5°	1747.9	1817.2	1870.3	1886.5	1937.3	1909.6	1840.3	1766.4	1692.5	1690.2	1651.0
30°	1731.8	1796.4	1831.0	1870.3	1893.4	1849.5	1828.8	1750.2	1676.3	1657.8	1593.2
32.5°	1683.3	1775.6	1840.3	1831.0	1849.5	1831.0	1801.1	1736.4	1653.2	1611.7	1604.8
35°	1627.9	1720.3	1789.5	1837.9	1849.5	1810.3	1791.8	1704.0	1590.9	1570.1	1498.6
37.5°	1597.9	1653.2	1738.7	1817.2	1833.3	1812.6	1750.2	1660.2	1547.1	1524.0	1461.6
40°	1560.9	1632.5	1699.4	1764.1	1812.6	1761.8	1690.2	1602.5	1551.7	1482.4	1463.9
42.5°	1533.2	1614.0	1669.4	1741.0	1796.4	1729.4	1646.3	1586.3	1514.7	1468.5	1415.4
44°	1524.0	1597.9	1634.7	1722.5	1768.7	1717.9	1648.6	1586.3	1503.2	1461.6	1415.4
45°	1491.6	1593.2	1632.5	1711.0	1750.2	1708.7	1620.9	1558.6	1498.6	1447.8	1399.3
47.5°	1459.3	1528.6	1595.5	1657.8	1685.6	1671.7	1597.9	1521.6	1450.0	1420.0	1373.9
50°	1450.0	1519.3	1581.7	1639.4	1671.7	1644.0	1577.0	1503.2	1420.0	1371.6	1332.3
52.5°	1403.8	1489.3	1558.6	1577.0	1618.6	1602.5	1551.7	1470.9	1392.3	1350.8	1318.4
55°	1336.9	1426.9	1521.6	1544.7	1604.8	1579.4	1503.2	1426.9	1360.0	1297.7	1256.1
57.5°	1311.5	1399.3	1491.6	1521.6	1558.6	1517.0	1498.6	1417.7	1311.5	1279.2	1214.5
60°	1246.8	1357.7	1433.9	1503.2	1505.5	1494.0	1461.6	1369.2	1281.5	1221.5	1175.3
62.5°	1196.0	1299.9	1360.0	1424.7	1463.9	1431.6	1399.3	1313.8	1219.1	1152.2	1099.1
65°	1122.2	1216.9	1267.7	1306.9	1350.8	1346.1	1290.8	1228.4	1129.1	1076.0	1025.2
67.5°	1009.1	1092.1	1161.4	1198.4	1226.1	1219.1	1177.6	1133.7	1032.2	979.0	942.1
70°	872.8	958.2	1002.1	1022.9	1050.6	1064.5	1032.2	1011.3	921.3	852.1	817.4
72.5°	702.0	757.3	822.0	840.5	852.1	861.3	861.3	842.8	750.4	722.7	662.7
75°	517.2	561.1	609.6	609.6	630.4	632.7	637.3	625.8	556.5	519.5	505.7
77.5°	350.9	383.3	422.6	438.7	452.6	450.2	448.0	415.6	378.7	362.5	348.7
80°	228.6	260.9	279.4	300.2	314.1	311.7	316.3	293.2	277.1	249.4	254.0
82.5°	136.2	161.6	180.1	205.5	205.5	212.4	212.4	205.5	189.3	175.5	175.5
85°	64.7	85.4	97.0	113.1	122.4	124.7	110.8	94.7	78.5	71.6	78.5
87.5°	11.5	16.1	23.1	20.7	25.4	23.1	23.1	23.1	23.1	18.5	20.7
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: P647995

CATALOG NUMBER: GALN-SA6A-835-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0	7054.0
2.5°	6268.9	6384.4	6465.2	6599.1	6830.0	7014.7	7204.1	7344.9	7361.1	7402.7
5°	5301.5	5363.9	5569.3	5837.2	6026.5	6338.2	6539.1	6903.9	7040.2	7185.7
7.5°	4140.0	4241.7	4516.4	4696.5	5112.1	5502.4	5906.5	6356.7	6536.8	6557.6
10°	3491.2	3639.0	3826.1	4114.7	4341.0	4775.0	5278.4	5779.5	5980.3	6015.0
12.5°	3066.4	3255.7	3505.1	3712.9	3930.0	4308.6	4791.2	5410.0	5671.0	5827.9
15°	2657.7	2854.0	3128.7	3417.3	3609.0	4061.6	4629.6	5326.9	5666.3	5804.8
17.5°	2237.4	2419.9	2646.1	2957.9	3343.4	3851.4	4604.2	5604.0	5975.7	6137.4
20°	1877.2	1978.8	2242.0	2563.0	3045.6	3636.7	4613.4	6012.7	6557.6	6629.2
22.5°	1736.4	1759.5	1863.4	2158.9	2687.7	3417.3	4777.3	6592.2	7211.0	7446.6
25°	1627.9	1623.2	1651.0	1849.5	2426.8	3331.9	4939.0	7125.6	7936.1	8192.4
27.5°	1567.8	1521.6	1524.0	1711.0	2242.0	3193.4	5146.8	7737.5	8758.1	8871.2
30°	1537.8	1528.6	1500.9	1577.0	2041.2	2985.6	5181.4	8340.1	9243.0	9406.9
32.5°	1519.3	1429.3	1394.7	1422.3	1851.8	2759.3	5310.7	8737.3	9843.3	9771.8
35°	1426.9	1346.1	1323.0	1350.8	1717.9	2632.3	5225.3	9083.7	10293.6	10413.7
37.5°	1392.3	1320.8	1274.6	1251.5	1593.2	2526.0	5181.4	9617.0	10730.0	11018.6
40°	1360.0	1283.8	1228.4	1205.3	1496.2	2385.2	5167.6	10028.0	11233.3	11406.5
42.5°	1323.0	1274.6	1212.2	1170.7	1378.5	2244.4	5008.2	10155.0	11388.0	11575.1
44°	1311.5	1237.6	1173.0	1159.2	1332.3	2172.7	4975.9	10270.5	11522.0	11806.0
45°	1299.9	1230.7	1156.8	1138.3	1316.1	2133.5	4932.0	10298.2	11743.7	11796.8
47.5°	1267.7	1223.8	1152.2	1101.4	1281.5	2048.1	4800.4	10141.2	11517.4	11526.6
50°	1242.2	1191.4	1117.6	1018.3	1235.3	1976.5	4860.5	10083.5	10972.4	10993.2
52.5°	1214.5	1138.3	1096.7	925.9	1159.2	1916.5	4987.5	10344.4	11034.7	11030.1
55°	1182.3	1099.1	997.5	847.4	1032.2	1840.3	5294.6	10859.3	11612.0	11690.5
57.5°	1131.4	1059.9	914.4	778.1	886.7	1694.8	5195.3	9873.3	10683.8	10697.7
60°	1064.5	997.5	829.0	725.1	727.3	1336.9	4645.7	7693.6	8430.2	8631.1
62.5°	999.8	962.9	757.3	648.8	618.8	1064.5	3927.6	6393.7	7236.4	7402.7
65°	923.6	833.6	695.0	591.1	531.1	745.8	2782.4	4777.3	5645.5	5869.5
67.5°	826.6	729.7	611.9	519.5	454.8	498.8	1436.2	2715.4	3595.1	3726.8
70°	722.7	632.7	514.9	438.7	367.1	344.1	632.7	1295.3	1964.9	2101.2
72.5°	593.4	510.3	411.0	346.3	274.8	237.8	212.4	346.3	697.3	810.5
75°	429.5	371.8	309.4	247.0	193.9	152.4	124.7	103.9	115.4	124.7
77.5°	316.3	270.1	228.6	175.5	136.2	108.5	85.4	64.7	62.3	60.1
80°	247.0	219.3	182.4	140.9	106.3	80.8	60.1	43.8	39.2	39.2
82.5°	193.9	180.1	150.1	115.4	87.8	64.7	43.8	30.0	25.4	25.4
85°	73.9	73.9	108.5	94.7	66.9	46.2	30.0	16.1	13.9	13.9
87.5°	18.5	18.5	18.5	18.5	16.1	13.9	13.9	6.9	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)