

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: P646840

Luminaire Tested: **GALN-SA3C-835-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P646840  
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-SA3C-835-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 1050mA 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: 12239.1 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

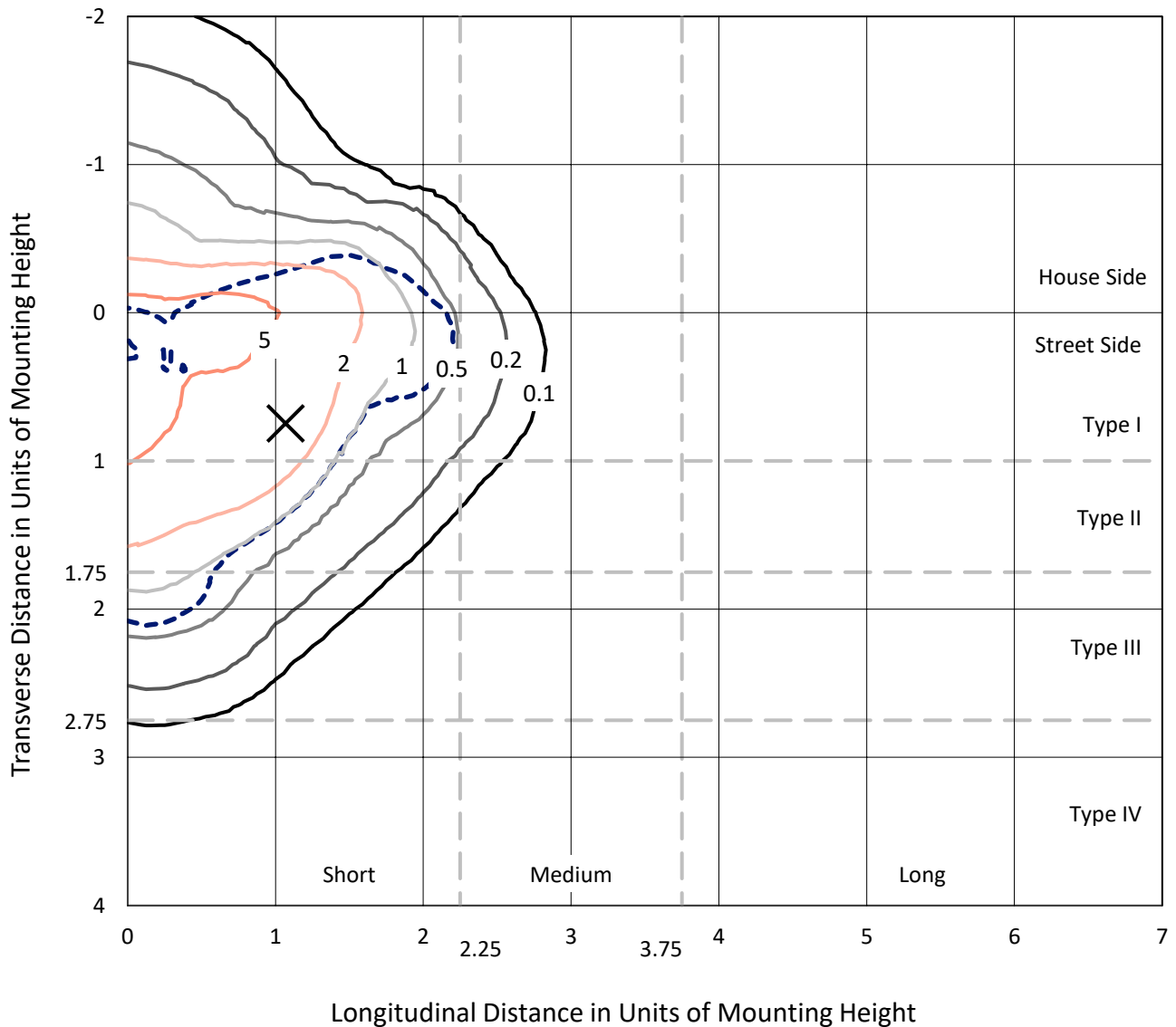
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

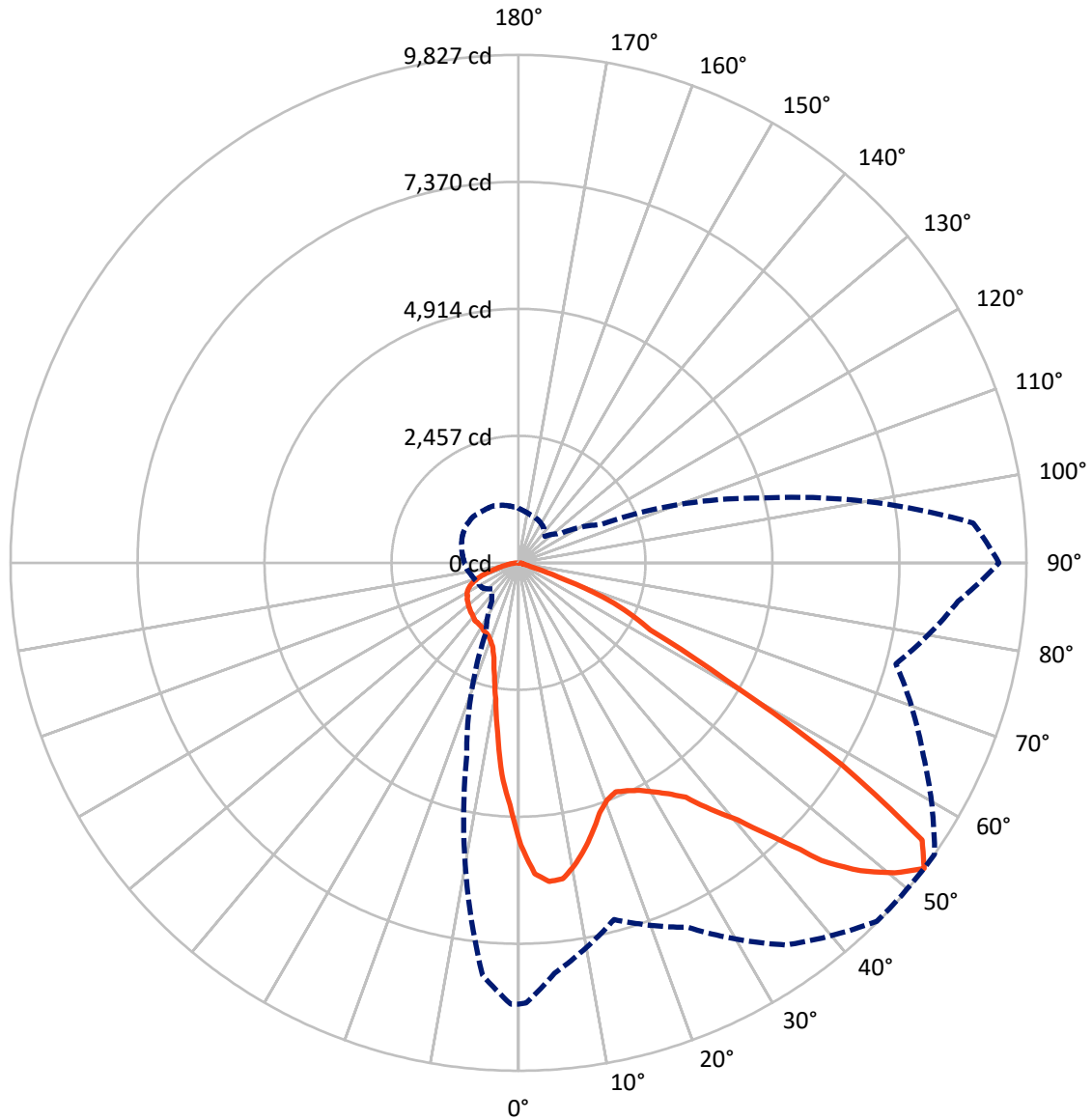
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type 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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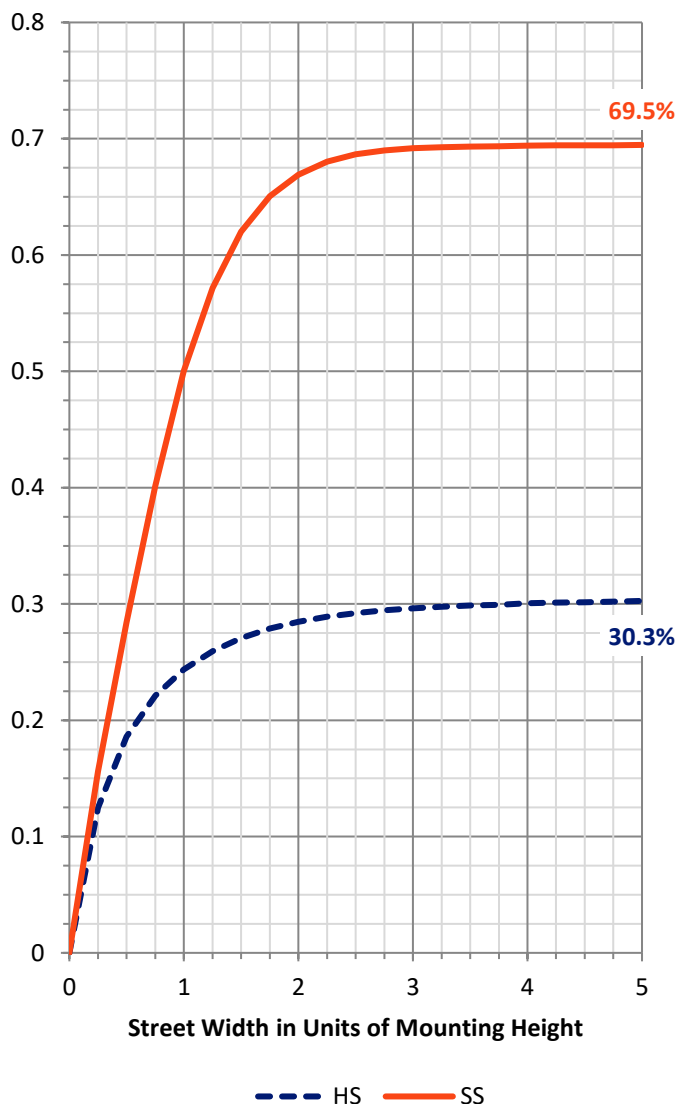
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3733.6	0.0	3733.6
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	8505.5	0.0	8505.5
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	12239.1	0.0	12239.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.1	3.4
10°-20°	899.3	7.3
20°-30°	1363.7	11.1
30°-40°	1970.3	16.1
40°-50°	2632.8	21.5
50°-60°	2938.8	24.0
60°-70°	1612.1	13.2
70°-80°	348.5	2.8
80°-90°	56.4	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°	12239.1	100.0
0°-180°	12239.1	100.0

**Coefficient of Utilization**



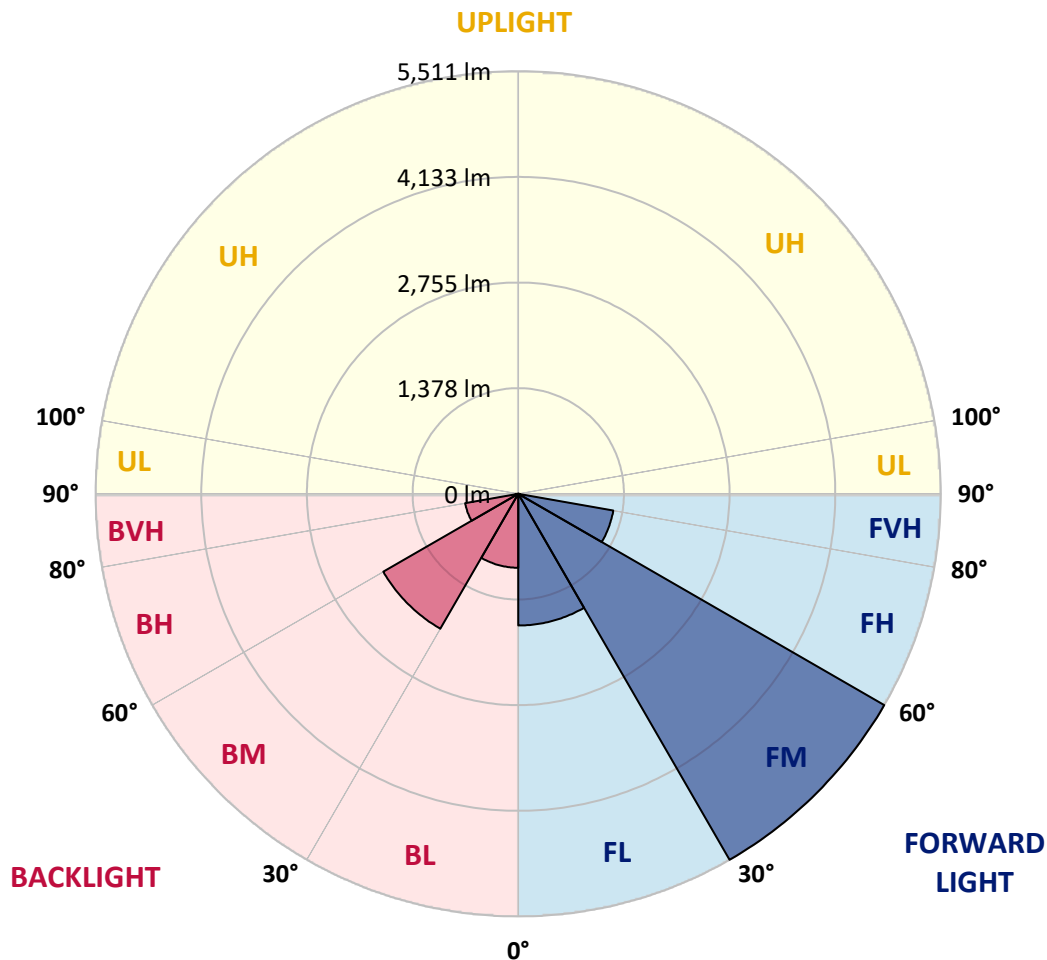
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 CATALOG NUMBER: GALN-SA3C-835-U-SLL-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1716.1	14.0			
FM (30°-60°)	5510.6	45.0			
FH (60°-80°)	1257.9	10.3			G1/1800
FVH (80°-90°)	20.9	0.2			G1/100
BL (0°-30°)	964.0	7.9	B2/1000		
BM (30°-60°)	2031.4	16.6	B2/2500		
BH (60°-80°)	702.7	5.7	B2/1000		G2/1000
BVH (80°-90°)	35.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5
2.5°	5729.4	5697.3	5725.8	5861.7	5940.3	5993.9	6027.8	6022.5	5893.9	5768.8	5768.8
5°	5561.4	5520.3	5579.3	5886.7	6195.9	6222.7	6267.4	6194.1	6004.7	5775.9	5489.9
7.5°	5075.3	5105.7	5204.1	5607.9	6010.0	6211.9	6265.6	6172.6	5865.2	5438.1	5018.2
10°	4655.4	4726.9	4953.8	5389.9	5759.8	6022.5	6081.5	5951.0	5708.0	5184.4	4809.1
12.5°	4510.6	4465.9	4718.0	5154.0	5507.9	5649.0	5675.8	5684.7	5520.3	5055.7	4598.2
15°	4492.8	4521.4	4718.0	5048.5	5266.5	5273.7	5318.4	5388.1	5409.5	5143.3	4696.5
17.5°	4750.1	4716.2	4918.1	5180.8	5077.1	4973.5	4984.2	5084.3	5261.2	5218.3	5005.6
20°	5130.8	5207.6	5366.7	5339.8	5061.1	4798.4	4800.1	4894.8	5243.4	5529.2	5436.4
22.5°	5763.3	5838.4	5956.4	5632.9	5061.1	4746.5	4685.8	4814.4	5357.7	5899.2	5922.5
25°	6340.6	6478.2	6510.4	6129.7	5314.8	4794.8	4755.5	4882.3	5472.1	6260.2	6480.0
27.5°	6866.0	6916.1	7057.3	6449.6	5456.0	4827.0	4823.4	4986.0	5616.9	6440.7	6978.6
30°	7280.6	7275.2	7355.7	6651.6	5681.1	5007.4	4834.1	5141.5	5806.3	6739.1	7439.7
32.5°	7563.0	7623.8	7793.5	6932.1	5775.9	5179.0	5043.1	5323.8	6036.8	6880.3	7764.9
35°	8059.8	8165.2	7950.8	7087.6	6076.2	5348.8	5189.7	5572.1	6151.2	7034.0	8163.5
37.5°	8528.0	8447.6	8229.6	7171.6	6270.9	5663.3	5515.0	6052.9	6506.8	7368.2	8427.9
40°	8828.2	8826.4	8438.6	7239.5	6408.5	6144.0	6135.1	6540.8	6942.9	7579.0	8724.6
42.5°	8958.7	9083.8	8524.4	7232.3	6698.0	6726.6	6907.2	7269.9	7252.1	7622.0	8717.5
44°	9137.4	9212.5	8672.7	7248.5	6891.0	7119.8	7545.1	7775.7	7521.9	7598.7	8708.5
45°	9130.2	9135.7	8461.9	7269.9	7055.5	7448.6	7829.3	8218.8	7759.5	7548.7	8826.4
47.5°	8921.2	8860.4	8283.2	7110.8	7568.3	8317.1	8669.2	8905.1	8052.7	7441.5	8679.9
50°	8508.4	8438.6	7848.9	7042.9	7675.6	8856.8	9342.9	9428.7	8318.9	7336.0	8535.2
52.5°	8537.0	8517.3	7972.2	7144.8	7782.8	9026.6	9805.8	9827.2	8620.9	7557.6	8537.0
55°	9048.0	8980.1	8326.1	7271.7	7704.2	8828.2	9510.9	9473.4	8519.0	7423.6	8694.2
57.5°	8279.6	8324.3	7836.4	6769.5	6742.7	7177.0	7477.2	7384.2	7109.1	6699.8	8088.4
60°	6680.2	6807.0	6853.5	5661.5	5087.9	4864.5	4775.1	4610.7	4657.2	5504.3	7105.5
62.5°	5729.4	5722.2	6013.6	5132.6	3332.9	2866.5	2823.6	2861.2	3397.3	5418.4	6958.9
65°	4542.8	4664.3	4753.7	4349.8	2637.8	2128.4	2126.6	2364.3	2939.8	4528.5	5618.7
67.5°	2884.3	3043.4	3154.2	2782.5	1763.9	1515.4	1474.4	1760.3	2037.3	2970.2	3383.0
70°	1626.3	1701.3	1751.3	1604.8	1122.3	786.3	739.9	807.7	1231.3	1922.9	2005.1
72.5°	627.3	661.2	729.1	734.5	423.5	253.8	205.5	246.6	518.3	761.3	725.5
75°	96.5	103.7	146.6	175.2	121.5	92.9	98.3	101.9	144.8	196.6	164.4
77.5°	46.4	46.4	44.7	51.8	60.8	66.1	71.5	78.6	85.8	94.7	91.1
80°	30.4	30.4	30.4	35.7	44.7	53.6	60.8	64.4	67.9	75.1	71.5
82.5°	19.7	19.7	19.7	26.8	35.7	44.7	48.2	57.2	64.4	75.1	69.7
85°	10.7	10.7	10.7	17.9	26.8	37.5	35.7	28.6	16.1	1.8	3.6
87.5°	3.6	3.6	3.6	3.6	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5
2.5°	5618.7	5536.4	5529.2	5361.3	5211.2	5137.9	5078.9	4914.5	4950.3	4855.5	4853.7
5°	5347.0	5179.0	4907.4	4684.0	4460.6	4415.9	4221.2	4051.3	4056.7	3935.2	3956.7
7.5°	4859.1	4742.9	4412.4	4062.0	3765.4	3554.5	3370.4	3259.6	3118.5	3070.2	3045.2
10°	4549.9	4407.0	4035.3	3595.6	3263.2	3150.6	2973.8	2875.4	2730.7	2659.2	2609.2
12.5°	4414.1	4205.0	3740.4	3293.6	3072.0	2955.8	2805.7	2627.0	2455.5	2389.3	2298.2
15°	4428.4	4178.2	3654.6	3172.1	2905.8	2680.7	2546.6	2348.2	2173.1	2056.9	1990.9
17.5°	4644.7	4340.9	3694.0	3079.1	2696.7	2414.4	2151.7	1937.2	1797.8	1710.2	1688.8
20°	5155.7	4742.9	3760.0	2929.0	2487.7	2135.6	1812.1	1588.7	1481.5	1479.7	1481.5
22.5°	5581.1	5171.9	3894.1	2839.7	2278.5	1778.2	1456.5	1385.0	1363.5	1408.2	1413.6
25°	6154.8	5654.4	4124.6	2793.2	2085.5	1515.4	1317.1	1290.3	1288.5	1345.7	1347.5
27.5°	6742.7	6076.2	4262.2	2657.4	1889.0	1379.6	1233.1	1227.7	1256.3	1317.1	1311.8
30°	7143.0	6430.0	4510.6	2494.8	1656.7	1259.9	1199.2	1206.3	1245.6	1292.1	1299.2
32.5°	7609.4	6778.4	4575.0	2405.5	1513.7	1159.9	1116.9	1133.0	1183.0	1256.3	1295.6
35°	8143.8	7025.1	4673.3	2283.9	1460.1	1083.0	1061.5	1079.4	1140.2	1188.4	1231.3
37.5°	8538.8	7461.1	4691.1	2189.2	1401.1	1040.1	1006.2	1065.1	1100.8	1168.8	1190.2
40°	8831.8	7777.5	4737.6	2130.2	1354.6	984.7	984.7	1024.0	1072.2	1134.8	1177.7
42.5°	9019.5	8008.0	4771.5	2076.6	1265.2	968.6	959.6	999.0	1063.3	1124.1	1143.7
44°	9133.9	8106.2	4737.6	2026.6	1240.3	948.9	948.9	982.9	1032.9	1104.4	1127.7
45°	9162.4	8229.6	4662.5	2024.8	1209.9	925.7	922.1	986.5	1020.4	1108.0	1122.3
47.5°	9273.2	8381.5	4671.5	1967.6	1136.6	870.3	932.9	961.4	991.8	1068.7	1116.9
50°	9269.6	8476.2	4651.8	1883.6	1083.0	807.7	911.4	943.6	974.0	1052.6	1072.2
52.5°	9294.7	8830.0	4832.3	1749.5	986.5	727.3	839.9	911.4	948.9	1015.1	1056.2
55°	9282.2	9032.0	5011.0	1649.5	850.7	679.1	779.2	863.2	916.8	986.5	1006.2
57.5°	8478.0	7982.9	4637.5	1461.9	704.2	621.9	693.4	813.1	881.0	952.5	977.6
60°	6926.8	6153.0	3824.4	1075.8	579.0	571.9	645.1	797.0	825.7	888.2	931.1
62.5°	6401.3	5397.1	3032.7	822.1	495.0	523.6	595.1	720.2	764.9	841.7	881.0
65°	5009.2	3584.9	1878.3	555.8	436.1	470.0	537.9	630.9	704.2	775.6	822.1
67.5°	2966.6	1958.7	929.3	389.6	380.6	416.4	486.1	555.8	639.8	718.4	741.7
70°	1615.6	963.2	396.7	296.7	323.5	355.6	423.5	471.8	552.2	613.0	652.3
72.5°	518.3	293.1	198.3	219.8	246.6	284.2	325.3	384.2	441.4	477.2	509.3
75°	125.1	123.3	141.2	153.7	178.7	207.3	241.2	271.6	316.3	350.2	378.9
77.5°	87.5	94.7	109.0	126.8	135.9	146.6	168.0	191.2	210.9	235.9	253.8
80°	67.9	73.3	84.0	92.9	101.9	110.8	121.5	130.4	143.0	159.0	168.0
82.5°	64.4	67.9	78.6	84.0	80.4	78.6	85.8	89.3	91.1	96.5	101.9
85°	5.3	0.0	3.6	12.5	30.4	44.7	48.2	48.2	46.4	50.0	50.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	7.1	5.3
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°	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5
2.5°	4832.3	4771.5	4794.8	4823.4	4782.3	4687.6	4712.6	4701.8	4798.4	4791.2	4887.7
5°	4051.3	3956.7	3967.4	4106.8	4062.0	4110.3	4013.8	4001.3	4019.1	4028.1	4044.2
7.5°	3100.6	3088.1	3195.3	3313.3	3368.7	3311.5	3216.8	3195.3	3175.7	3136.4	3225.7
10°	2530.5	2534.1	2527.0	2616.3	2678.9	2666.3	2609.2	2602.0	2564.5	2550.2	2600.2
12.5°	2258.9	2210.6	2187.4	2158.8	2207.0	2239.2	2214.2	2196.3	2198.1	2216.0	2223.2
15°	1996.2	1965.8	1915.8	1883.6	1906.8	1890.7	1881.8	1917.6	1908.6	1905.0	1947.9
17.5°	1701.3	1726.4	1722.8	1687.1	1717.4	1704.9	1703.1	1678.0	1644.1	1619.1	1633.4
20°	1506.5	1553.0	1588.7	1590.5	1606.6	1604.8	1578.0	1501.2	1476.1	1470.8	1474.4
22.5°	1436.8	1461.9	1504.8	1565.5	1565.5	1536.9	1504.8	1415.4	1392.2	1367.1	1356.4
25°	1381.4	1429.7	1485.0	1492.2	1520.8	1494.0	1442.2	1397.5	1349.3	1315.3	1315.3
27.5°	1352.9	1406.4	1447.5	1460.1	1499.4	1477.9	1424.3	1367.1	1310.0	1308.2	1277.8
30°	1340.3	1390.4	1417.2	1447.5	1465.4	1431.5	1415.4	1354.6	1297.4	1283.1	1233.1
32.5°	1302.8	1374.2	1424.3	1417.2	1431.5	1417.2	1393.9	1343.9	1279.6	1247.4	1242.0
35°	1259.9	1331.4	1385.0	1422.6	1431.5	1401.1	1386.8	1318.9	1231.3	1215.2	1159.9
37.5°	1236.7	1279.6	1345.7	1406.4	1419.0	1402.9	1354.6	1284.9	1197.4	1179.5	1131.2
40°	1208.1	1263.4	1315.3	1365.3	1402.9	1363.5	1308.2	1240.3	1201.0	1147.3	1133.0
42.5°	1186.6	1249.2	1292.1	1347.5	1390.4	1338.5	1274.2	1227.7	1172.3	1136.6	1095.5
44°	1179.5	1236.7	1265.2	1333.1	1368.9	1329.6	1276.0	1227.7	1163.4	1131.2	1095.5
45°	1154.5	1233.1	1263.4	1324.2	1354.6	1322.5	1254.5	1206.3	1159.9	1120.5	1083.0
47.5°	1129.5	1183.0	1234.9	1283.1	1304.6	1293.8	1236.7	1177.7	1122.3	1099.1	1063.3
50°	1122.3	1175.9	1224.1	1268.9	1293.8	1272.4	1220.6	1163.4	1099.1	1061.5	1031.1
52.5°	1086.6	1152.7	1206.3	1220.6	1252.7	1240.3	1201.0	1138.4	1077.6	1045.5	1020.4
55°	1034.7	1104.4	1177.7	1195.6	1242.0	1222.3	1163.4	1104.4	1052.6	1004.4	972.2
57.5°	1015.1	1083.0	1154.5	1177.7	1206.3	1174.1	1159.9	1097.3	1015.1	990.0	940.0
60°	965.0	1050.8	1109.8	1163.4	1165.2	1156.3	1131.2	1059.7	991.8	945.4	909.6
62.5°	925.7	1006.2	1052.6	1102.6	1133.0	1108.0	1083.0	1016.9	943.6	891.8	850.7
65°	868.5	941.8	981.1	1011.5	1045.5	1041.9	999.0	950.7	873.9	832.8	793.5
67.5°	781.0	845.3	898.9	927.5	948.9	943.6	911.4	877.4	798.8	757.7	729.1
70°	675.5	741.7	775.6	791.7	813.1	823.9	798.8	782.8	713.1	659.4	632.7
72.5°	543.2	586.2	636.2	650.5	659.4	666.6	666.6	652.3	580.8	559.4	512.9
75°	400.3	434.3	471.8	471.8	487.9	489.7	493.2	484.3	430.7	402.1	391.3
77.5°	271.6	296.7	327.1	339.5	350.2	348.5	346.7	321.7	293.1	280.5	269.8
80°	177.0	201.9	216.3	232.3	243.0	241.2	244.8	227.0	214.5	193.0	196.6
82.5°	105.5	125.1	139.4	159.0	159.0	164.4	164.4	159.0	146.6	135.9	135.9
85°	50.0	66.1	75.1	87.5	94.7	96.5	85.8	73.3	60.8	55.4	60.8
87.5°	8.9	12.5	17.9	16.1	19.7	17.9	17.9	17.9	17.9	14.3	16.1
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: P646840

CATALOG NUMBER: GALN-SA3C-835-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5	5459.5
2.5°	4851.9	4941.3	5003.8	5107.5	5286.2	5429.2	5575.7	5684.7	5697.3	5729.4
5°	4103.2	4151.4	4310.5	4517.8	4664.3	4905.6	5061.1	5343.4	5448.8	5561.4
7.5°	3204.3	3282.9	3495.5	3634.9	3956.7	4258.7	4571.4	4919.9	5059.3	5075.3
10°	2702.1	2816.5	2961.2	3184.6	3359.8	3695.7	4085.3	4473.1	4628.5	4655.4
12.5°	2373.3	2519.8	2712.8	2873.6	3041.6	3334.7	3708.2	4187.2	4389.1	4510.6
15°	2056.9	2208.8	2421.5	2644.9	2793.2	3143.5	3583.1	4122.8	4385.5	4492.8
17.5°	1731.7	1872.9	2048.0	2289.3	2587.7	2980.9	3563.4	4337.3	4625.0	4750.1
20°	1452.9	1531.5	1735.3	1983.7	2357.1	2814.7	3570.6	4653.6	5075.3	5130.8
22.5°	1343.9	1361.8	1442.2	1670.9	2080.2	2644.9	3697.5	5102.2	5581.1	5763.3
25°	1259.9	1256.3	1277.8	1431.5	1878.3	2578.8	3822.6	5515.0	6142.2	6340.6
27.5°	1213.4	1177.7	1179.5	1324.2	1735.3	2471.5	3983.4	5988.5	6778.4	6866.0
30°	1190.2	1183.0	1161.6	1220.6	1579.8	2310.7	4010.2	6455.0	7153.7	7280.6
32.5°	1175.9	1106.2	1079.4	1100.8	1433.3	2135.6	4110.3	6762.4	7618.4	7563.0
35°	1104.4	1041.9	1024.0	1045.5	1329.6	2037.3	4044.2	7030.4	7966.9	8059.8
37.5°	1077.6	1022.2	986.5	968.6	1233.1	1955.1	4010.2	7443.3	8304.7	8528.0
40°	1052.6	993.6	950.7	932.9	1158.1	1846.1	3999.5	7761.3	8694.2	8828.2
42.5°	1024.0	986.5	938.2	906.1	1066.9	1737.1	3876.2	7859.7	8813.9	8958.7
44°	1015.1	957.8	907.8	897.1	1031.1	1681.6	3851.2	7949.0	8917.6	9137.4
45°	1006.2	952.5	895.4	881.0	1018.6	1651.3	3817.2	7970.5	9089.1	9130.2
47.5°	981.1	947.2	891.8	852.5	991.8	1585.2	3715.3	7848.9	8914.1	8921.2
50°	961.4	922.1	865.0	788.1	956.1	1529.7	3761.8	7804.2	8492.3	8508.4
52.5°	940.0	881.0	848.9	716.6	897.1	1483.3	3860.1	8006.2	8540.5	8537.0
55°	915.0	850.7	772.0	655.8	798.8	1424.3	4097.8	8404.7	8987.3	9048.0
57.5°	875.7	820.3	707.7	602.3	686.2	1311.8	4020.9	7641.6	8268.9	8279.6
60°	823.9	772.0	641.6	561.2	562.9	1034.7	3595.6	5954.6	6524.7	6680.2
62.5°	773.8	745.2	586.2	502.1	479.0	823.9	3039.8	4948.5	5600.7	5729.4
65°	714.8	645.1	537.9	457.5	411.0	577.2	2153.5	3697.5	4369.5	4542.8
67.5°	639.8	564.7	473.6	402.1	352.0	386.0	1111.5	2101.7	2782.5	2884.3
70°	559.4	489.7	398.5	339.5	284.2	266.3	489.7	1002.6	1520.8	1626.3
72.5°	459.3	394.9	318.1	268.1	212.7	184.1	164.4	268.1	539.7	627.3
75°	332.4	287.8	239.4	191.2	150.1	117.9	96.5	80.4	89.3	96.5
77.5°	244.8	209.1	177.0	135.9	105.5	84.0	66.1	50.0	48.2	46.4
80°	191.2	169.8	141.2	109.0	82.2	62.6	46.4	34.0	30.4	30.4
82.5°	150.1	139.4	116.2	89.3	67.9	50.0	34.0	23.3	19.7	19.7
85°	57.2	57.2	84.0	73.3	51.8	35.7	23.3	12.5	10.7	10.7
87.5°	14.3	14.3	14.3	14.3	12.5	10.7	10.7	5.3	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)