

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645433 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645433 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3D-735-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

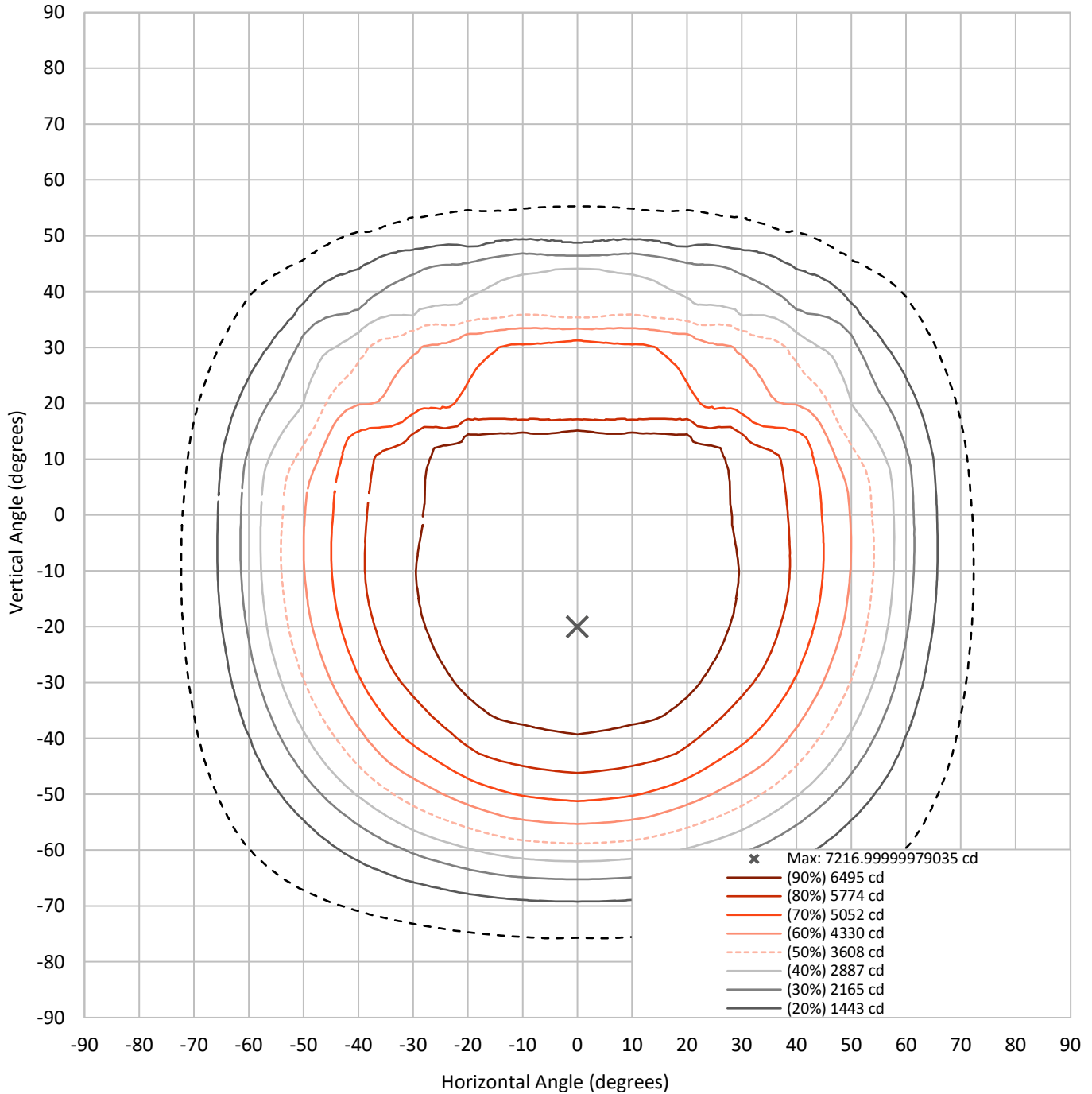
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	16922.5 lumens	Max Intensity:	7217 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	105.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	13229 lumens	Field Lumens:	16586.5 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	160.2		
Input Voltage (V):	120		
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:	25 FT		



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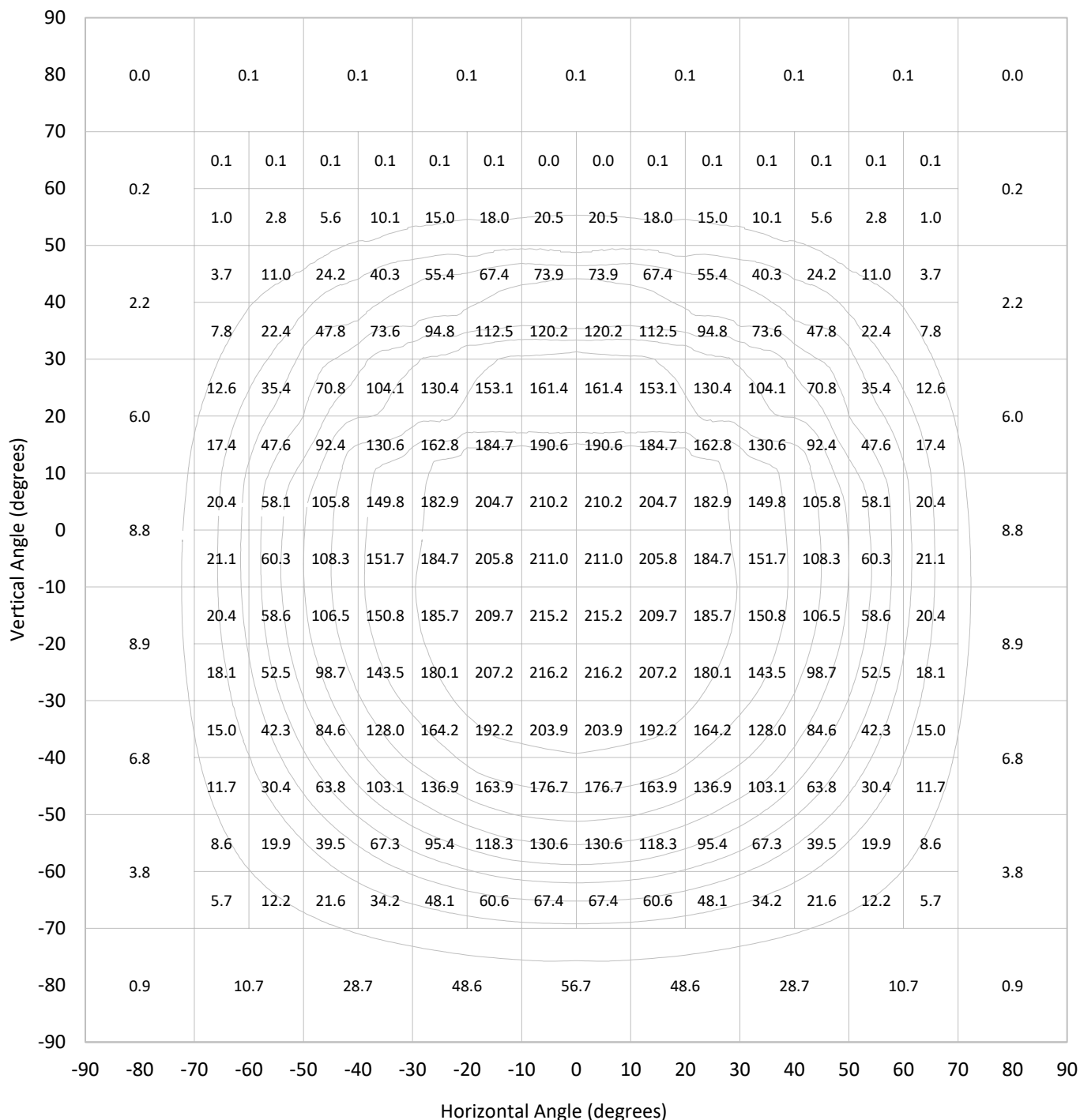
Iso-Candela Plot





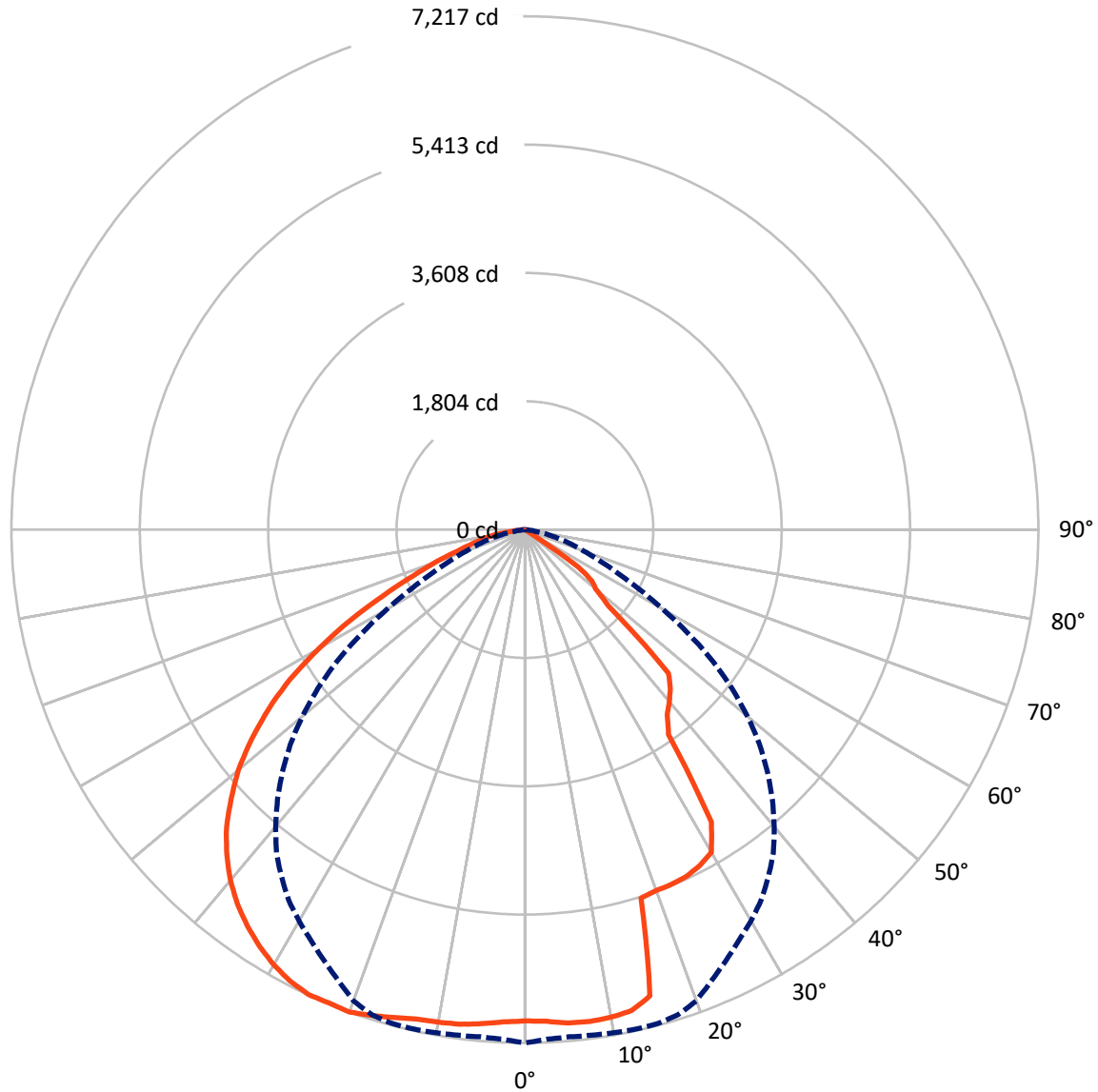
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Lumen Table



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Luminous Intensity Polar Plot

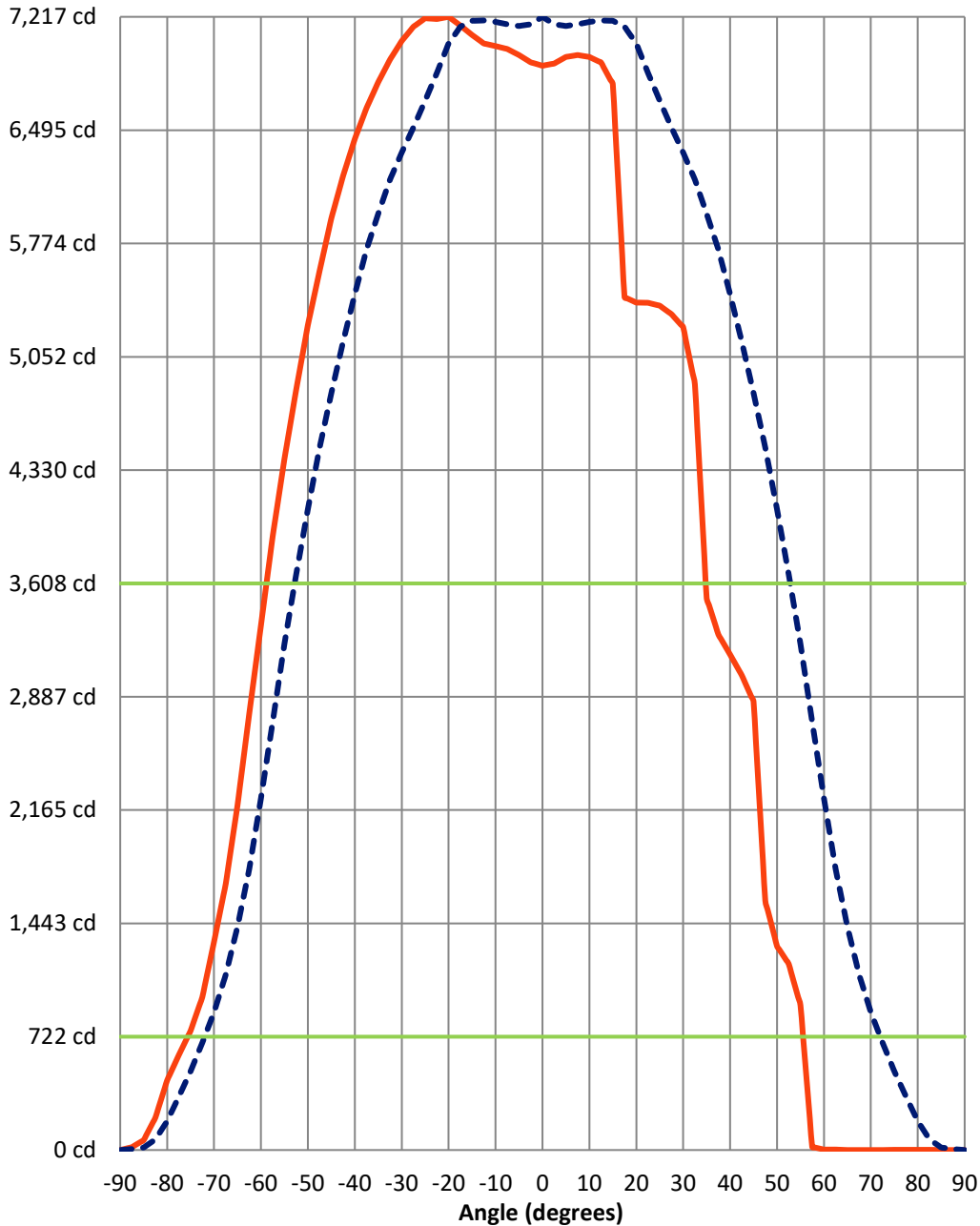


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 13229
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 16586.5
 Efficiency: 98.0%

Spill:
 Lumens: 336
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.7	0.6
85°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.6	1.6	1.5	1.3
82.5°	0.0	0.5	0.8	1.2	1.6	2.0	2.4	2.4	2.3	1.9	1.5
80°	0.0	0.7	1.1	1.6	2.1	2.7	3.1	2.7	2.3	1.9	1.6
77.5°	0.0	0.8	1.4	2.0	2.7	3.1	3.1	2.8	2.4	2.0	1.6
75°	0.0	1.0	1.6	2.4	3.1	3.2	3.1	2.8	2.4	2.0	1.6
72.5°	0.0	1.2	1.9	2.8	3.3	3.3	3.2	2.8	2.4	2.1	1.7
70°	0.0	1.3	2.2	3.1	3.4	3.4	3.3	2.9	2.5	2.1	2.4
67.5°	0.0	1.5	2.5	3.3	3.6	3.6	3.6	2.9	2.6	3.4	3.5
65°	0.0	1.7	2.7	3.4	3.7	4.1	4.2	2.9	4.1	4.8	6.0
62.5°	0.0	1.8	3.0	3.6	3.9	5.1	4.8	4.1	5.7	8.4	13.4
60°	0.0	2.0	3.3	3.7	4.0	6.2	5.7	5.8	7.4	21.4	23.3
57.5°	0.0	2.1	3.5	3.9	5.2	7.4	10.5	8.2	20.9	36.3	42.2
55°	0.0	2.3	3.6	4.1	6.5	8.7	16.8	13.2	38.8	56.1	68.4
52.5°	0.0	2.4	3.8	4.2	7.9	11.2	24.1	33.7	58.3	88.0	99.2
50°	0.0	2.6	4.0	4.4	9.3	19.1	32.5	57.0	83.4	123.5	154.9
47.5°	0.0	2.7	4.2	4.8	10.7	27.6	43.7	81.4	120.2	162.7	211.8
45°	0.0	2.9	4.4	6.0	12.3	36.7	65.9	107.0	161.4	212.0	267.1
42.5°	0.0	3.0	4.5	7.1	13.8	46.4	88.7	139.3	203.2	260.1	330.9
40°	0.0	3.2	4.7	8.6	18.6	56.7	112.0	176.2	246.4	307.2	399.2
37.5°	0.0	3.3	4.9	10.5	26.7	67.5	135.7	213.1	291.6	363.9	470.4
35°	0.0	3.4	5.1	12.5	34.8	83.9	159.8	250.0	337.6	433.5	554.7
32.5°	0.0	3.5	5.3	14.8	43.1	102.9	185.9	286.7	384.1	503.4	657.1
30°	0.0	3.7	5.5	17.2	51.4	121.7	215.8	323.8	431.1	573.6	755.4
27.5°	0.0	3.8	5.7	19.8	61.7	140.4	245.1	362.5	482.7	643.6	849.3
25°	0.0	3.9	5.9	22.6	72.3	158.7	273.6	400.7	540.9	720.1	938.9
22.5°	0.0	4.0	6.1	25.4	82.8	177.4	301.4	438.4	597.9	796.5	1029.6
20°	0.0	4.1	6.3	28.4	93.2	197.4	328.2	475.2	653.5	868.7	1118.0
17.5°	0.0	4.2	6.5	31.4	103.4	216.8	354.7	510.9	707.3	936.4	1203.7
15°	0.0	4.3	6.7	34.4	113.4	235.5	380.2	544.2	759.0	999.5	1286.0
12.5°	0.0	4.3	6.9	37.4	123.1	253.3	404.0	573.8	800.2	1058.0	1364.3
10°	0.0	4.4	7.1	40.3	132.3	270.1	426.1	601.1	830.9	1093.1	1428.1
7.5°	0.0	4.5	7.2	43.2	141.1	285.8	446.4	626.0	857.1	1120.3	1465.3
5°	0.0	4.5	7.4	45.9	149.2	300.3	464.9	648.4	879.0	1142.2	1495.5
2.5°	0.0	4.6	7.6	48.5	156.6	313.4	481.5	668.3	896.7	1159.0	1518.7
0°	0.0	4.6	7.7	50.8	163.3	325.1	496.1	685.6	910.6	1171.0	1534.6
-2.5°	0.0	4.9	8.9	54.1	169.5	332.5	503.4	695.7	915.6	1186.1	1545.0
-5°	0.0	5.1	10.1	57.2	174.8	338.4	508.7	703.1	917.3	1195.9	1548.3
-7.5°	0.0	5.4	11.2	59.9	179.1	342.6	512.1	707.7	916.1	1199.9	1544.8
-10°	0.0	5.6	12.3	62.3	182.4	345.3	513.6	709.5	912.1	1197.5	1535.0
-12.5°	0.0	5.8	13.4	64.2	184.6	346.4	513.4	708.3	905.8	1187.9	1518.2
-15°	0.0	6.0	14.4	65.8	185.6	345.9	511.4	704.2	898.7	1169.1	1493.7
-17.5°	0.0	6.2	15.3	67.0	185.5	343.8	507.6	695.7	889.9	1145.5	1461.9
-20°	0.0	6.3	16.2	67.7	184.1	340.2	501.8	683.6	877.5	1117.5	1422.7

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.4	16.9	67.9	181.5	335.0	493.4	669.0	861.3	1085.1	1376.1
-25°	0.0	6.5	17.6	67.6	177.7	326.9	483.1	652.1	841.3	1048.7	1322.2
-27.5°	0.0	6.6	18.2	66.7	172.5	316.9	470.8	632.9	817.4	1013.5	1274.4
-30°	0.0	6.6	18.7	65.4	166.0	305.4	456.6	611.5	791.3	983.7	1223.4
-32.5°	0.0	6.7	19.0	63.4	158.5	292.7	440.5	591.7	763.7	949.2	1168.8
-35°	0.0	6.7	19.3	60.9	150.1	278.5	423.1	570.9	733.8	910.2	1110.9
-37.5°	0.0	6.6	19.4	57.9	140.8	264.4	404.4	547.8	701.7	866.5	1053.7
-40°	0.0	6.6	19.4	54.3	130.8	251.5	384.2	522.6	667.6	825.3	997.3
-42.5°	0.0	6.5	19.3	50.4	123.1	237.8	362.6	495.3	634.7	781.8	936.5
-45°	0.0	6.3	19.1	46.4	117.9	223.1	339.7	467.0	601.0	735.3	873.5
-47.5°	0.0	6.2	18.7	41.9	111.8	207.7	315.5	438.7	564.8	686.6	819.0
-50°	0.0	6.0	18.3	40.4	104.7	191.4	295.2	409.0	524.9	641.9	761.9
-52.5°	0.0	5.8	17.7	39.6	96.7	174.3	274.9	378.0	486.7	595.8	703.3
-55°	0.0	5.5	17.0	38.4	87.9	161.4	253.9	346.6	448.4	548.5	651.4
-57.5°	0.0	5.3	16.2	36.7	78.2	148.2	232.0	321.7	408.8	503.2	598.2
-60°	0.0	5.0	15.2	34.6	68.0	133.9	209.8	294.1	369.1	457.4	545.1
-62.5°	0.0	4.6	14.3	32.2	63.2	118.4	189.6	264.2	332.4	410.3	493.2
-65°	0.0	4.3	13.3	29.3	57.7	101.9	167.9	233.0	293.5	363.1	440.0
-67.5°	0.0	3.9	12.2	26.2	51.5	88.1	144.8	202.2	252.6	313.8	382.5
-70°	0.0	3.5	11.0	22.7	44.8	77.1	120.5	170.6	216.0	262.3	321.4
-72.5°	0.0	3.1	9.8	20.0	37.6	65.3	101.9	138.3	178.6	219.6	261.0
-75°	0.0	2.7	8.5	17.4	29.9	52.7	83.3	111.4	140.6	176.3	212.5
-77.5°	0.0	2.3	7.2	14.7	24.7	39.5	63.8	86.1	109.4	134.5	163.1
-80°	0.0	1.8	5.8	11.8	20.0	30.1	43.5	60.4	78.3	97.8	118.7
-82.5°	0.0	1.4	4.4	8.9	15.1	22.8	32.0	38.7	46.8	60.5	75.3
-85°	0.0	0.9	2.9	6.0	10.1	15.3	21.4	25.9	30.5	35.3	40.3
-87.5°	0.0	0.5	1.5	3.0	5.1	7.7	10.8	13.0	15.3	17.7	20.2
-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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 CATALOG NUMBER: GFLD-SA3D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2
85°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.8	2.0	1.9	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	2.4	2.5	2.2	1.8	1.5	1.6	1.7	1.7	1.5	1.5	1.5
67.5°	3.0	2.6	2.2	2.1	2.1	2.3	2.3	1.9	1.5	1.5	1.6
65°	3.1	2.7	3.8	4.4	3.2	2.7	2.3	2.0	2.1	2.2	2.2
62.5°	4.6	5.8	7.4	13.1	9.8	2.8	5.1	6.0	4.4	3.7	3.9
60°	15.1	10.3	30.4	43.5	27.2	9.9	12.1	40.3	34.9	6.5	21.8
57.5°	31.7	43.4	80.0	81.4	56.3	38.9	113.0	130.6	98.8	57.7	88.2
55°	69.7	107.0	132.6	122.8	134.1	203.0	241.2	216.7	182.4	280.6	358.5
52.5°	136.1	174.2	182.9	210.0	300.6	345.3	330.9	353.9	459.0	570.0	594.1
50°	200.9	232.1	256.4	370.8	441.6	446.1	479.0	583.1	723.2	791.2	774.8
47.5°	263.5	295.9	409.1	519.0	550.8	594.4	676.8	877.6	1026.0	1028.9	1012.1
45°	329.8	416.1	560.7	632.3	684.0	768.4	967.1	1244.2	1258.6	1298.8	1546.5
42.5°	400.7	551.9	678.1	752.6	836.0	993.5	1258.7	1440.4	1503.0	1679.2	1878.4
40°	515.4	683.1	793.3	888.5	995.9	1225.6	1516.0	1686.3	1737.2	1889.7	2039.4
37.5°	631.9	792.6	916.1	1031.0	1179.8	1489.8	1825.9	1966.4	1992.1	2019.9	2351.7
35°	744.0	905.0	1052.8	1203.1	1385.6	1831.9	2125.6	2257.7	2253.6	2441.9	2789.3
32.5°	848.9	1019.8	1194.2	1395.4	1696.4	2153.6	2447.5	2526.6	2646.5	2920.5	3394.6
30°	953.5	1147.9	1348.2	1587.8	1969.1	2365.4	2700.9	2828.1	3033.6	3346.4	3691.4
27.5°	1061.4	1279.2	1521.4	1802.3	2184.3	2548.7	2835.2	3139.2	3338.8	3619.1	3864.6
25°	1168.8	1418.2	1692.5	1989.7	2338.2	2677.8	2974.2	3325.2	3539.6	3765.5	3994.5
22.5°	1281.4	1559.1	1869.0	2138.3	2467.9	2787.5	3140.3	3521.1	3799.9	3943.4	4097.2
20°	1399.1	1711.7	2042.1	2340.4	2596.0	2889.5	3307.2	3769.8	4129.7	4291.3	4312.4
17.5°	1515.1	1859.5	2214.7	2537.7	2813.3	3074.5	3482.3	4067.8	4515.3	4665.5	4732.3
15°	1628.3	2001.6	2386.4	2729.7	3032.2	3351.6	3787.1	4382.5	4894.1	5060.4	5165.5
12.5°	1737.5	2137.1	2555.3	2915.3	3251.3	3609.6	4063.9	4609.0	5075.9	5397.5	5590.3
10°	1841.6	2265.1	2719.2	3093.4	3467.8	3848.8	4293.0	4777.6	5157.8	5467.9	5741.6
7.5°	1894.1	2348.7	2860.1	3263.0	3679.0	4069.9	4480.5	4896.5	5216.7	5520.9	5785.6
5°	1929.8	2383.1	2904.1	3322.1	3791.2	4217.4	4616.1	4974.6	5255.2	5556.7	5815.2
2.5°	1955.3	2405.3	2933.9	3354.4	3833.3	4262.7	4655.1	5000.7	5286.9	5582.3	5847.0
0°	1970.7	2415.9	2949.1	3374.3	3859.7	4292.6	4677.8	5010.6	5308.0	5594.6	5879.6
-2.5°	1979.4	2448.3	2959.2	3425.4	3885.1	4318.3	4709.6	5034.4	5345.2	5617.9	5903.6
-5°	1978.3	2467.6	2956.5	3459.8	3897.3	4328.3	4725.4	5045.2	5365.4	5635.3	5913.4
-7.5°	1967.5	2472.0	2943.2	3470.6	3897.8	4324.9	4718.5	5050.4	5365.0	5651.3	5914.3
-10°	1948.3	2454.6	2930.9	3442.7	3882.9	4307.4	4697.2	5039.0	5352.5	5648.1	5909.2
-12.5°	1925.8	2418.5	2905.2	3402.6	3852.5	4274.7	4664.8	5010.2	5329.0	5623.9	5897.4
-15°	1891.9	2370.6	2863.0	3351.7	3806.3	4227.0	4622.8	4963.1	5292.9	5581.7	5862.4
-17.5°	1846.3	2311.2	2803.6	3291.3	3744.0	4164.8	4569.0	4900.9	5229.1	5527.5	5798.5
-20°	1789.0	2240.9	2726.4	3222.6	3664.8	4081.3	4472.8	4820.4	5146.6	5450.1	5734.8

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1719.6	2160.0	2633.5	3129.9	3566.2	3977.9	4364.8	4717.9	5055.9	5349.5	5652.9
-25°	1650.1	2074.5	2530.8	3001.6	3451.6	3861.5	4249.6	4593.6	4938.9	5244.3	5532.6
-27.5°	1583.5	1975.3	2411.6	2860.3	3321.7	3729.7	4114.2	4458.5	4793.8	5127.7	5405.2
-30°	1508.8	1860.6	2280.9	2709.6	3159.3	3574.7	3962.1	4319.4	4638.4	4968.1	5266.1
-32.5°	1426.4	1738.9	2142.9	2555.3	2979.3	3403.9	3787.7	4142.6	4474.5	4786.3	5099.1
-35°	1345.8	1640.6	1996.7	2389.6	2788.7	3205.2	3589.3	3940.7	4285.2	4594.1	4893.0
-37.5°	1273.3	1534.2	1841.2	2216.6	2597.9	2991.9	3382.5	3722.8	4050.6	4390.2	4681.6
-40°	1194.8	1419.9	1706.6	2038.3	2397.8	2772.5	3146.5	3498.4	3806.6	4142.2	4462.8
-42.5°	1112.7	1326.8	1573.7	1849.7	2189.0	2542.2	2903.3	3247.6	3567.6	3884.2	4201.9
-45°	1040.7	1228.3	1438.6	1690.7	1967.0	2299.2	2641.1	2984.3	3291.4	3593.1	3906.8
-47.5°	964.2	1129.3	1323.8	1525.1	1765.2	2043.0	2364.5	2681.0	2995.4	3282.5	3560.1
-50°	888.0	1040.2	1199.9	1381.2	1579.4	1804.5	2071.5	2365.8	2653.0	2947.7	3222.7
-52.5°	822.3	946.4	1090.8	1242.0	1411.7	1598.0	1811.9	2053.6	2314.8	2564.9	2839.2
-55°	754.1	866.0	982.6	1115.7	1256.9	1414.1	1589.5	1792.6	1991.9	2223.2	2447.2
-57.5°	691.9	786.3	885.7	995.7	1118.3	1244.1	1397.4	1555.4	1736.2	1916.0	2093.4
-60°	633.3	710.4	794.8	887.9	986.4	1098.4	1212.8	1348.5	1494.2	1637.6	1788.1
-62.5°	574.2	639.1	707.8	785.2	871.1	955.7	1053.4	1158.0	1265.1	1386.7	1505.4
-65°	513.5	565.9	624.2	688.3	756.9	829.0	904.0	981.5	1072.6	1161.7	1248.0
-67.5°	449.0	493.8	541.0	591.5	649.0	705.6	762.1	827.5	894.7	960.6	1029.0
-70°	377.5	419.8	459.1	500.0	542.8	587.1	635.4	683.4	730.7	780.1	835.0
-72.5°	304.8	343.7	378.2	408.5	443.6	480.5	515.7	549.4	585.1	622.6	659.8
-75°	243.1	268.8	299.6	327.9	355.8	381.7	405.0	433.6	463.4	490.6	513.1
-77.5°	189.7	213.1	234.2	253.1	275.3	301.3	324.0	343.5	362.4	383.1	404.9
-80°	138.0	157.4	176.7	194.2	207.0	221.6	239.0	258.9	276.1	290.2	302.9
-82.5°	89.1	103.1	117.4	132.0	137.9	142.0	145.8	152.7	163.3	173.9	183.9
-85°	44.4	48.5	57.2	66.2	69.3	71.4	72.9	73.7	77.3	80.7	83.6
-87.5°	22.2	24.3	26.3	28.3	27.2	25.8	24.0	21.8	21.3	20.7	19.9
-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):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.3	1.3	1.3	1.4	1.0	0.7	0.4	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.1	0.7
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.0
65°	2.1	2.1	2.2	2.1	1.9	1.8	1.9	1.8	1.6	1.3	0.9
62.5°	3.9	4.4	3.4	3.4	3.3	3.3	3.1	2.9	2.7	2.6	2.7
60°	24.2	14.3	8.3	9.7	8.7	5.8	7.4	8.7	8.8	8.1	7.1
57.5°	133.9	100.0	74.1	176.8	177.4	84.7	102.0	160.3	132.0	43.3	40.3
55°	372.6	445.6	586.5	557.1	566.1	651.2	711.0	629.4	617.0	657.5	759.5
52.5°	669.4	739.0	786.4	830.7	884.7	942.6	1002.3	1040.4	1075.9	1113.7	1136.3
50°	854.8	952.9	1020.3	995.4	1135.0	1192.2	1134.2	1186.0	1249.3	1266.6	1274.7
47.5°	1262.1	1406.0	1434.6	1527.2	1610.5	1608.8	1538.1	1542.2	1730.4	1896.5	1978.0
45°	1813.9	1818.8	1909.2	2072.9	2189.9	2153.1	2251.8	2476.3	2551.1	2623.3	2682.6
42.5°	2028.8	2117.9	2262.3	2407.0	2494.3	2569.9	2643.0	2725.5	2822.5	2901.2	2964.1
40°	2236.9	2308.7	2456.5	2573.1	2645.4	2716.0	2801.2	2892.6	2981.4	3050.6	3097.7
37.5°	2557.2	2612.9	2648.9	2757.1	2893.7	2830.7	2992.3	3108.2	3161.2	3231.4	3237.7
35°	3041.9	3004.8	2956.9	3387.7	3413.5	3267.9	3419.1	3598.8	3504.1	3701.4	3807.4
32.5°	3471.5	3466.0	3841.9	4068.4	3938.1	4044.5	4393.0	4377.5	4609.8	4717.6	4686.9
30°	3876.2	4014.4	4231.8	4400.5	4423.0	4590.8	4745.5	4881.1	5021.3	5147.0	5155.7
27.5°	4081.8	4262.0	4409.6	4507.2	4616.0	4757.2	4897.6	5050.3	5169.6	5248.4	5267.7
25°	4206.1	4390.2	4501.9	4607.0	4727.2	4849.0	5006.2	5172.5	5268.3	5316.9	5332.4
22.5°	4315.6	4481.1	4601.2	4686.5	4815.8	4946.9	5093.5	5234.2	5338.3	5359.5	5367.3
20°	4421.1	4580.1	4780.8	4906.2	4900.0	5047.6	5188.9	5300.8	5387.6	5387.0	5389.1
17.5°	4726.3	4783.0	5147.2	5423.7	5286.8	5214.6	5603.1	5610.4	5633.5	5587.6	5488.3
15°	5178.1	5281.4	5728.8	6028.5	5934.2	5929.2	6490.3	6351.2	6471.0	6439.6	6574.4
12.5°	5656.6	5779.0	6113.3	6407.6	6547.9	6582.3	6769.8	6945.4	6981.5	6967.3	6940.8
10°	5982.7	6156.9	6291.2	6469.9	6611.3	6755.6	6864.2	6990.3	7031.7	7007.7	6974.0
7.5°	6025.1	6197.4	6355.0	6511.7	6646.5	6762.8	6875.4	6978.1	7020.1	7006.2	6983.1
5°	6052.1	6208.2	6361.0	6520.0	6648.8	6756.5	6868.8	6972.9	6997.7	6981.0	6958.4
2.5°	6068.8	6213.2	6360.5	6518.9	6635.8	6738.4	6852.1	6963.0	6962.9	6955.6	6942.4
0°	6076.9	6221.7	6392.7	6536.0	6667.0	6764.0	6876.5	6984.4	6976.7	6956.6	6933.5
-2.5°	6094.2	6240.9	6415.4	6534.2	6681.9	6770.8	6887.0	6980.4	6976.9	6967.0	6955.5
-5°	6109.6	6274.6	6437.9	6562.8	6710.9	6827.1	6942.6	7015.6	7019.6	7005.8	6986.6
-7.5°	6119.0	6302.0	6457.7	6583.2	6726.8	6862.0	6979.1	7055.7	7057.5	7039.2	7016.1
-10°	6115.9	6309.0	6469.4	6599.0	6746.0	6879.5	7002.0	7099.2	7096.1	7078.7	7059.0
-12.5°	6104.4	6297.3	6461.9	6591.9	6758.9	6896.3	7034.2	7130.8	7136.0	7122.9	7101.6
-15°	6079.0	6278.1	6438.3	6580.3	6743.9	6904.5	7046.2	7152.8	7171.9	7161.2	7144.4
-17.5°	6028.8	6238.9	6408.8	6561.9	6718.8	6890.0	7051.1	7167.8	7193.8	7189.6	7175.6
-20°	5962.9	6179.8	6352.2	6512.5	6683.4	6859.8	7047.3	7153.8	7191.6	7194.0	7184.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5888.8	6101.2	6284.1	6441.7	6627.0	6805.6	6975.3	7100.2	7163.6	7175.3	7176.1
-25°	5800.1	6018.3	6200.1	6367.9	6540.2	6724.7	6896.2	7035.6	7099.8	7130.5	7140.1
-27.5°	5674.7	5900.2	6079.1	6256.5	6431.8	6622.4	6802.6	6954.1	7006.4	7048.6	7065.5
-30°	5527.8	5750.9	5933.2	6095.4	6296.0	6490.2	6676.3	6808.5	6887.3	6935.6	6962.0
-32.5°	5359.0	5584.1	5775.5	5944.8	6135.5	6329.7	6504.7	6644.1	6752.8	6808.6	6836.8
-35°	5175.8	5405.7	5606.0	5784.4	5963.9	6149.1	6330.4	6476.2	6600.1	6648.0	6683.3
-37.5°	4954.9	5208.5	5413.9	5597.9	5768.5	5942.5	6131.3	6298.1	6418.3	6464.8	6502.1
-40°	4728.4	4973.5	5180.7	5376.9	5545.6	5735.6	5917.5	6092.2	6196.6	6250.8	6293.0
-42.5°	4489.3	4710.7	4907.7	5098.3	5286.1	5481.7	5663.5	5845.2	5935.4	6000.7	6052.4
-45°	4213.2	4419.2	4610.7	4789.1	4982.6	5175.0	5356.9	5517.4	5624.8	5709.8	5775.9
-47.5°	3845.2	4096.1	4288.4	4458.1	4650.0	4835.5	5011.8	5162.7	5280.5	5379.9	5456.7
-50°	3471.4	3712.2	3929.1	4119.7	4297.7	4469.3	4637.2	4784.8	4909.4	5017.1	5094.9
-52.5°	3103.3	3328.9	3544.1	3740.9	3912.0	4074.0	4227.5	4376.1	4507.5	4622.7	4698.0
-55°	2687.3	2921.1	3134.0	3317.5	3488.5	3648.6	3800.2	3941.0	4070.4	4187.8	4259.8
-57.5°	2297.2	2502.2	2700.2	2869.7	3031.1	3183.6	3327.3	3462.1	3586.7	3697.1	3766.6
-60°	1938.5	2088.0	2258.4	2414.8	2557.9	2687.7	2821.8	2947.5	3061.9	3159.0	3223.8
-62.5°	1621.5	1745.4	1868.4	1987.4	2103.4	2220.1	2332.3	2436.6	2532.2	2611.7	2668.5
-65°	1339.0	1438.6	1527.6	1611.9	1692.3	1784.3	1869.6	1949.9	2024.2	2085.1	2128.4
-67.5°	1102.6	1172.5	1234.1	1291.9	1355.3	1420.3	1481.2	1534.3	1579.7	1615.8	1644.4
-70°	889.1	940.6	987.0	1033.2	1079.4	1121.7	1162.0	1201.0	1238.1	1268.3	1291.0
-72.5°	696.4	731.5	763.1	798.6	831.9	864.0	891.9	914.4	931.8	948.9	963.7
-75°	530.9	557.3	592.9	623.0	647.9	669.9	690.1	708.0	723.8	737.8	750.1
-77.5°	427.0	449.5	472.1	494.1	515.3	531.1	545.8	560.4	574.8	587.2	598.2
-80°	316.5	333.2	350.7	368.3	385.9	394.6	401.6	408.0	413.7	421.1	428.0
-82.5°	193.5	203.0	212.7	222.6	232.4	234.9	235.7	235.5	234.2	231.6	227.5
-85°	86.1	86.6	86.3	85.4	83.7	80.3	76.1	71.3	65.9	65.0	64.0
-87.5°	18.9	18.5	18.0	17.4	16.8	16.7	16.6	16.5	16.3	16.9	17.4
-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: P645433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	1.4	1.4
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	0.8	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	0.8	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.3	1.5	1.5
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.9	1.3	1.6	1.8
62.5°	2.8	3.0	3.1	3.1	3.1	3.0	2.8	2.7	2.6	2.7	2.9
60°	5.6	3.7	3.1	3.1	3.1	3.7	5.6	7.1	8.1	8.8	8.7
57.5°	34.0	25.4	21.6	20.0	21.6	25.4	34.0	40.3	43.3	132.0	160.3
55°	832.6	875.0	906.7	921.4	906.7	875.0	832.6	759.5	657.5	617.0	629.4
52.5°	1156.1	1174.6	1185.2	1184.9	1185.2	1174.6	1156.1	1136.3	1113.7	1075.9	1040.4
50°	1288.7	1297.6	1300.8	1298.9	1300.8	1297.6	1288.7	1274.7	1266.6	1249.3	1186.0
47.5°	1903.5	1738.7	1617.6	1588.5	1617.6	1738.7	1903.5	1978.0	1896.5	1730.4	1542.2
45°	2711.0	2773.5	2835.8	2855.1	2835.8	2773.5	2711.0	2682.6	2623.3	2551.1	2476.3
42.5°	2990.7	3011.0	3022.5	3023.0	3022.5	3011.0	2990.7	2964.1	2901.2	2822.5	2725.5
40°	3124.1	3143.3	3154.5	3155.5	3154.5	3143.3	3124.1	3097.7	3050.6	2981.4	2892.6
37.5°	3245.4	3261.7	3272.5	3283.4	3272.5	3261.7	3245.4	3237.7	3231.4	3161.2	3108.2
35°	3793.1	3669.0	3490.6	3517.6	3490.6	3669.0	3793.1	3807.4	3701.4	3504.1	3598.8
32.5°	4734.9	4787.1	4819.6	4875.0	4819.6	4787.1	4734.9	4686.9	4717.6	4609.8	4377.5
30°	5169.4	5186.6	5212.7	5240.2	5212.7	5186.6	5169.4	5155.7	5147.0	5021.3	4881.1
27.5°	5277.8	5295.7	5311.5	5323.4	5311.5	5295.7	5277.8	5267.7	5248.4	5169.6	5050.3
25°	5334.6	5345.7	5362.6	5377.3	5362.6	5345.7	5334.6	5332.4	5316.9	5268.3	5172.5
22.5°	5362.8	5364.0	5377.1	5395.8	5377.1	5364.0	5362.8	5367.3	5359.5	5338.3	5234.2
20°	5382.1	5371.6	5385.3	5397.4	5385.3	5371.6	5382.1	5389.1	5387.0	5387.6	5300.8
17.5°	5628.5	5487.9	5430.2	5431.3	5430.2	5487.9	5628.5	5488.3	5587.6	5633.5	5610.4
15°	6423.1	6475.9	6678.0	6787.2	6678.0	6475.9	6423.1	6574.4	6439.6	6471.0	6351.2
12.5°	6935.9	6917.1	6893.1	6925.8	6893.1	6917.1	6935.9	6940.8	6967.3	6981.5	6945.4
10°	6959.6	6957.5	6914.7	6961.3	6914.7	6957.5	6959.6	6974.0	7007.7	7031.7	6990.3
7.5°	6945.1	6946.3	6928.2	6973.6	6928.2	6946.3	6945.1	6983.1	7006.2	7020.1	6978.1
5°	6954.7	6923.4	6935.3	6961.3	6935.3	6923.4	6954.7	6958.4	6981.0	6997.7	6972.9
2.5°	6927.8	6924.5	6901.4	6919.7	6901.4	6924.5	6927.8	6942.4	6955.6	6962.9	6963.0
0°	6907.3	6890.4	6890.4	6905.8	6890.4	6890.4	6907.3	6933.5	6956.6	6976.7	6984.4
-2.5°	6943.8	6940.2	6938.0	6927.4	6938.0	6940.2	6943.8	6955.5	6967.0	6976.9	6980.4
-5°	6973.7	6964.6	6939.3	6973.6	6939.3	6964.6	6973.7	6986.6	7005.8	7019.6	7015.6
-7.5°	7005.9	6982.5	6958.6	7012.1	6958.6	6982.5	7005.9	7016.1	7039.2	7057.5	7055.7
-10°	7035.4	7001.6	6978.3	7030.6	6978.3	7001.6	7035.4	7059.0	7078.7	7096.1	7099.2
-12.5°	7074.2	7034.7	7019.2	7047.5	7019.2	7034.7	7074.2	7101.6	7122.9	7136.0	7130.8
-15°	7115.7	7088.4	7084.7	7101.5	7084.7	7088.4	7115.7	7144.4	7161.2	7171.9	7152.8
-17.5°	7152.2	7132.9	7142.5	7161.6	7142.5	7132.9	7152.2	7175.6	7189.6	7193.8	7167.8
-20°	7169.6	7158.8	7169.6	7217.0	7169.6	7158.8	7169.6	7184.5	7194.0	7191.6	7153.8



REPORT NUMBER: P645433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7168.1	7168.8	7187.7	7203.2	7187.7	7168.8	7168.1	7176.1	7175.3	7163.6	7100.2
-25°	7140.8	7155.2	7176.8	7207.8	7176.8	7155.2	7140.8	7140.1	7130.5	7099.8	7035.6
-27.5°	7074.8	7098.7	7121.3	7153.9	7121.3	7098.7	7074.8	7065.5	7048.6	7006.4	6954.1
-30°	6979.4	7007.9	7028.0	7063.0	7028.0	7007.9	6979.4	6962.0	6935.6	6887.3	6808.5
-32.5°	6863.4	6895.6	6919.4	6944.3	6919.4	6895.6	6863.4	6836.8	6808.6	6752.8	6644.1
-35°	6718.3	6753.0	6778.3	6801.0	6778.3	6753.0	6718.3	6683.3	6648.0	6600.1	6476.2
-37.5°	6543.9	6581.3	6610.2	6636.2	6610.2	6581.3	6543.9	6502.1	6464.8	6418.3	6298.1
-40°	6340.9	6379.2	6410.1	6438.9	6410.1	6379.2	6340.9	6293.0	6250.8	6196.6	6092.2
-42.5°	6103.4	6142.1	6174.0	6203.2	6174.0	6142.1	6103.4	6052.4	6000.7	5935.4	5845.2
-45°	5829.2	5869.1	5902.7	5933.6	5902.7	5869.1	5829.2	5775.9	5709.8	5624.8	5517.4
-47.5°	5513.3	5556.0	5584.8	5599.2	5584.8	5556.0	5513.3	5456.7	5379.9	5280.5	5162.7
-50°	5151.3	5194.0	5228.5	5254.1	5228.5	5194.0	5151.3	5094.9	5017.1	4909.4	4784.8
-52.5°	4752.9	4793.4	4823.2	4841.1	4823.2	4793.4	4752.9	4698.0	4622.7	4507.5	4376.1
-55°	4316.6	4359.1	4387.3	4400.5	4387.3	4359.1	4316.6	4259.8	4187.8	4070.4	3941.0
-57.5°	3821.7	3862.1	3892.1	3909.0	3892.1	3862.1	3821.7	3766.6	3697.1	3586.7	3462.1
-60°	3274.3	3310.4	3333.1	3342.0	3333.1	3310.4	3274.3	3223.8	3159.0	3061.9	2947.5
-62.5°	2714.3	2748.5	2769.8	2778.0	2769.8	2748.5	2714.3	2668.5	2611.7	2532.2	2436.6
-65°	2160.6	2182.1	2193.9	2195.6	2193.9	2182.1	2160.6	2128.4	2085.1	2024.2	1949.9
-67.5°	1666.9	1683.2	1693.1	1696.4	1693.1	1683.2	1666.9	1644.4	1615.8	1579.7	1534.3
-70°	1307.9	1319.2	1325.5	1326.6	1325.5	1319.2	1307.9	1291.0	1268.3	1238.1	1201.0
-72.5°	975.1	983.2	980.4	973.8	980.4	983.2	975.1	963.7	948.9	931.8	914.4
-75°	760.7	769.6	765.9	759.6	765.9	769.6	760.7	750.1	737.8	723.8	708.0
-77.5°	607.7	615.8	611.8	605.5	611.8	615.8	607.7	598.2	587.2	574.8	560.4
-80°	434.0	438.7	442.1	443.7	442.1	438.7	434.0	428.0	421.1	413.7	408.0
-82.5°	222.2	215.7	211.5	206.5	211.5	215.7	222.2	227.5	231.6	234.2	235.5
-85°	62.8	61.3	62.3	63.2	62.3	61.3	62.8	64.0	65.0	65.9	71.3
-87.5°	17.9	18.4	18.5	18.5	18.5	18.4	17.9	17.4	16.9	16.3	16.5
-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: P645433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	1.0	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1
85°	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.9
65°	1.9	1.8	1.9	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.0
62.5°	3.1	3.3	3.3	3.4	3.4	4.4	3.9	3.9	3.7	4.4	6.0
60°	7.4	5.8	8.7	9.7	8.3	14.3	24.2	21.8	6.5	34.9	40.3
57.5°	102.0	84.7	177.4	176.8	74.1	100.0	133.9	88.2	57.7	98.8	130.6
55°	711.0	651.2	566.1	557.1	586.5	445.6	372.6	358.5	280.6	182.4	216.7
52.5°	1002.3	942.6	884.7	830.7	786.4	739.0	669.4	594.1	570.0	459.0	353.9
50°	1134.2	1192.2	1135.0	995.4	1020.3	952.9	854.8	774.8	791.2	723.2	583.1
47.5°	1538.1	1608.8	1610.5	1527.2	1434.6	1406.0	1262.1	1012.1	1028.9	1026.0	877.6
45°	2251.8	2153.1	2189.9	2072.9	1909.2	1818.8	1813.9	1546.5	1298.8	1258.6	1244.2
42.5°	2643.0	2569.9	2494.3	2407.0	2262.3	2117.9	2028.8	1878.4	1679.2	1503.0	1440.4
40°	2801.2	2716.0	2645.4	2573.1	2456.5	2308.7	2236.9	2039.4	1889.7	1737.2	1686.3
37.5°	2992.3	2830.7	2893.7	2757.1	2648.9	2612.9	2557.2	2351.7	2019.9	1992.1	1966.4
35°	3419.1	3267.9	3413.5	3387.7	2956.9	3004.8	3041.9	2789.3	2441.9	2253.6	2257.7
32.5°	4393.0	4044.5	3938.1	4068.4	3841.9	3466.0	3471.5	3394.6	2920.5	2646.5	2526.6
30°	4745.5	4590.8	4423.0	4400.5	4231.8	4014.4	3876.2	3691.4	3346.4	3033.6	2828.1
27.5°	4897.6	4757.2	4616.0	4507.2	4409.6	4262.0	4081.8	3864.6	3619.1	3338.8	3139.2
25°	5006.2	4849.0	4727.2	4607.0	4501.9	4390.2	4206.1	3994.5	3765.5	3539.6	3325.2
22.5°	5093.5	4946.9	4815.8	4686.5	4601.2	4481.1	4315.6	4097.2	3943.4	3799.9	3521.1
20°	5188.9	5047.6	4900.0	4906.2	4780.8	4580.1	4421.1	4312.4	4291.3	4129.7	3769.8
17.5°	5603.1	5214.6	5286.8	5423.7	5147.2	4783.0	4726.3	4732.3	4665.5	4515.3	4067.8
15°	6490.3	5929.2	5934.2	6028.5	5728.8	5281.4	5178.1	5165.5	5060.4	4894.1	4382.5
12.5°	6769.8	6582.3	6547.9	6407.6	6113.3	5779.0	5656.6	5590.3	5397.5	5075.9	4609.0
10°	6864.2	6755.6	6611.3	6469.9	6291.2	6156.9	5982.7	5741.6	5467.9	5157.8	4777.6
7.5°	6875.4	6762.8	6646.5	6511.7	6355.0	6197.4	6025.1	5785.6	5520.9	5216.7	4896.5
5°	6868.8	6756.5	6648.8	6520.0	6361.0	6208.2	6052.1	5815.2	5556.7	5255.2	4974.6
2.5°	6852.1	6738.4	6635.8	6518.9	6360.5	6213.2	6068.8	5847.0	5582.3	5286.9	5000.7
0°	6876.5	6764.0	6667.0	6536.0	6392.7	6221.7	6076.9	5879.6	5594.6	5308.0	5010.6
-2.5°	6887.0	6770.8	6681.9	6534.2	6415.4	6240.9	6094.2	5903.6	5617.9	5345.2	5034.4
-5°	6942.6	6827.1	6710.9	6562.8	6437.9	6274.6	6109.6	5913.4	5635.3	5365.4	5045.2
-7.5°	6979.1	6862.0	6726.8	6583.2	6457.7	6302.0	6119.0	5914.3	5651.3	5365.0	5050.4
-10°	7002.0	6879.5	6746.0	6599.0	6469.4	6309.0	6115.9	5909.2	5648.1	5352.5	5039.0
-12.5°	7034.2	6896.3	6758.9	6591.9	6461.9	6297.3	6104.4	5897.4	5623.9	5329.0	5010.2
-15°	7046.2	6904.5	6743.9	6580.3	6438.3	6278.1	6079.0	5862.4	5581.7	5292.9	4963.1
-17.5°	7051.1	6890.0	6718.8	6561.9	6408.8	6238.9	6028.8	5798.5	5527.5	5229.1	4900.9
-20°	7047.3	6859.8	6683.4	6512.5	6352.2	6179.8	5962.9	5734.8	5450.1	5146.6	4820.4



REPORT NUMBER: P645433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6975.3	6805.6	6627.0	6441.7	6284.1	6101.2	5888.8	5652.9	5349.5	5055.9	4717.9
-25°	6896.2	6724.7	6540.2	6367.9	6200.1	6018.3	5800.1	5532.6	5244.3	4938.9	4593.6
-27.5°	6802.6	6622.4	6431.8	6256.5	6079.1	5900.2	5674.7	5405.2	5127.7	4793.8	4458.5
-30°	6676.3	6490.2	6296.0	6095.4	5933.2	5750.9	5527.8	5266.1	4968.1	4638.4	4319.4
-32.5°	6504.7	6329.7	6135.5	5944.8	5775.5	5584.1	5359.0	5099.1	4786.3	4474.5	4142.6
-35°	6330.4	6149.1	5963.9	5784.4	5606.0	5405.7	5175.8	4893.0	4594.1	4285.2	3940.7
-37.5°	6131.3	5942.5	5768.5	5597.9	5413.9	5208.5	4954.9	4681.6	4390.2	4050.6	3722.8
-40°	5917.5	5735.6	5545.6	5376.9	5180.7	4973.5	4728.4	4462.8	4142.2	3806.6	3498.4
-42.5°	5663.5	5481.7	5286.1	5098.3	4907.7	4710.7	4489.3	4201.9	3884.2	3567.6	3247.6
-45°	5356.9	5175.0	4982.6	4789.1	4610.7	4419.2	4213.2	3906.8	3593.1	3291.4	2984.3
-47.5°	5011.8	4835.5	4650.0	4458.1	4288.4	4096.1	3845.2	3560.1	3282.5	2995.4	2681.0
-50°	4637.2	4469.3	4297.7	4119.7	3929.1	3712.2	3471.4	3222.7	2947.7	2653.0	2365.8
-52.5°	4227.5	4074.0	3912.0	3740.9	3544.1	3328.9	3103.3	2839.2	2564.9	2314.8	2053.6
-55°	3800.2	3648.6	3488.5	3317.5	3134.0	2921.1	2687.3	2447.2	2223.2	1991.9	1792.6
-57.5°	3327.3	3183.6	3031.1	2869.7	2700.2	2502.2	2297.2	2093.4	1916.0	1736.2	1555.4
-60°	2821.8	2687.7	2557.9	2414.8	2258.4	2088.0	1938.5	1788.1	1637.6	1494.2	1348.5
-62.5°	2332.3	2220.1	2103.4	1987.4	1868.4	1745.4	1621.5	1505.4	1386.7	1265.1	1158.0
-65°	1869.6	1784.3	1692.3	1611.9	1527.6	1438.6	1339.0	1248.0	1161.7	1072.6	981.5
-67.5°	1481.2	1420.3	1355.3	1291.9	1234.1	1172.5	1102.6	1029.0	960.6	894.7	827.5
-70°	1162.0	1121.7	1079.4	1033.2	987.0	940.6	889.1	835.0	780.1	730.7	683.4
-72.5°	891.9	864.0	831.9	798.6	763.1	731.5	696.4	659.8	622.6	585.1	549.4
-75°	690.1	669.9	647.9	623.0	592.9	557.3	530.9	513.1	490.6	463.4	433.6
-77.5°	545.8	531.1	515.3	494.1	472.1	449.5	427.0	404.9	383.1	362.4	343.5
-80°	401.6	394.6	385.9	368.3	350.7	333.2	316.5	302.9	290.2	276.1	258.9
-82.5°	235.7	234.9	232.4	222.6	212.7	203.0	193.5	183.9	173.9	163.3	152.7
-85°	76.1	80.3	83.7	85.4	86.3	86.6	86.1	83.6	80.7	77.3	73.7
-87.5°	16.6	16.7	16.8	17.4	18.0	18.5	18.9	19.9	20.7	21.3	21.8
-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: P645433 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.7	0.8	0.8
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.5	1.6	1.6
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.4
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.9	2.3	2.7
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.0	2.4	2.8
75°	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.6	2.0	2.4	2.8
72.5°	1.5	1.5	1.5	1.7	1.9	2.0	1.8	1.7	2.1	2.4	2.8
70°	1.7	1.6	1.5	1.8	2.2	2.5	2.4	2.4	2.1	2.5	2.9
67.5°	2.3	2.3	2.1	2.1	2.2	2.6	3.0	3.5	3.4	2.6	2.9
65°	2.3	2.7	3.2	4.4	3.8	2.7	3.1	6.0	4.8	4.1	2.9
62.5°	5.1	2.8	9.8	13.1	7.4	5.8	4.6	13.4	8.4	5.7	4.1
60°	12.1	9.9	27.2	43.5	30.4	10.3	15.1	23.3	21.4	7.4	5.8
57.5°	113.0	38.9	56.3	81.4	80.0	43.4	31.7	42.2	36.3	20.9	8.2
55°	241.2	203.0	134.1	122.8	132.6	107.0	69.7	68.4	56.1	38.8	13.2
52.5°	330.9	345.3	300.6	210.0	182.9	174.2	136.1	99.2	88.0	58.3	33.7
50°	479.0	446.1	441.6	370.8	256.4	232.1	200.9	154.9	123.5	83.4	57.0
47.5°	676.8	594.4	550.8	519.0	409.1	295.9	263.5	211.8	162.7	120.2	81.4
45°	967.1	768.4	684.0	632.3	560.7	416.1	329.8	267.1	212.0	161.4	107.0
42.5°	1258.7	993.5	836.0	752.6	678.1	551.9	400.7	330.9	260.1	203.2	139.3
40°	1516.0	1225.6	995.9	888.5	793.3	683.1	515.4	399.2	307.2	246.4	176.2
37.5°	1825.9	1489.8	1179.8	1031.0	916.1	792.6	631.9	470.4	363.9	291.6	213.1
35°	2125.6	1831.9	1385.6	1203.1	1052.8	905.0	744.0	554.7	433.5	337.6	250.0
32.5°	2447.5	2153.6	1696.4	1395.4	1194.2	1019.8	848.9	657.1	503.4	384.1	286.7
30°	2700.9	2365.4	1969.1	1587.8	1348.2	1147.9	953.5	755.4	573.6	431.1	323.8
27.5°	2835.2	2548.7	2184.3	1802.3	1521.4	1279.2	1061.4	849.3	643.6	482.7	362.5
25°	2974.2	2677.8	2338.2	1989.7	1692.5	1418.2	1168.8	938.9	720.1	540.9	400.7
22.5°	3140.3	2787.5	2467.9	2138.3	1869.0	1559.1	1281.4	1029.6	796.5	597.9	438.4
20°	3307.2	2889.5	2596.0	2340.4	2042.1	1711.7	1399.1	1118.0	868.7	653.5	475.2
17.5°	3482.3	3074.5	2813.3	2537.7	2214.7	1859.5	1515.1	1203.7	936.4	707.3	510.9
15°	3787.1	3351.6	3032.2	2729.7	2386.4	2001.6	1628.3	1286.0	999.5	759.0	544.2
12.5°	4063.9	3609.6	3251.3	2915.3	2555.3	2137.1	1737.5	1364.3	1058.0	800.2	573.8
10°	4293.0	3848.8	3467.8	3093.4	2719.2	2265.1	1841.6	1428.1	1093.1	830.9	601.1
7.5°	4480.5	4069.9	3679.0	3263.0	2860.1	2348.7	1894.1	1465.3	1120.3	857.1	626.0
5°	4616.1	4217.4	3791.2	3322.1	2904.1	2383.1	1929.8	1495.5	1142.2	879.0	648.4
2.5°	4655.1	4262.7	3833.3	3354.4	2933.9	2405.3	1955.3	1518.7	1159.0	896.7	668.3
0°	4677.8	4292.6	3859.7	3374.3	2949.1	2415.9	1970.7	1534.6	1171.0	910.6	685.6
-2.5°	4709.6	4318.3	3885.1	3425.4	2959.2	2448.3	1979.4	1545.0	1186.1	915.6	695.7
-5°	4725.4	4328.3	3897.3	3459.8	2956.5	2467.6	1978.3	1548.3	1195.9	917.3	703.1
-7.5°	4718.5	4324.9	3897.8	3470.6	2943.2	2472.0	1967.5	1544.8	1199.9	916.1	707.7
-10°	4697.2	4307.4	3882.9	3442.7	2930.9	2454.6	1948.3	1535.0	1197.5	912.1	709.5
-12.5°	4664.8	4274.7	3852.5	3402.6	2905.2	2418.5	1925.8	1518.2	1187.9	905.8	708.3
-15°	4622.8	4227.0	3806.3	3351.7	2863.0	2370.6	1891.9	1493.7	1169.1	898.7	704.2
-17.5°	4569.0	4164.8	3744.0	3291.3	2803.6	2311.2	1846.3	1461.9	1145.5	889.9	695.7
-20°	4472.8	4081.3	3664.8	3222.6	2726.4	2240.9	1789.0	1422.7	1117.5	877.5	683.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4364.8	3977.9	3566.2	3129.9	2633.5	2160.0	1719.6	1376.1	1085.1	861.3	669.0
-25°	4249.6	3861.5	3451.6	3001.6	2530.8	2074.5	1650.1	1322.2	1048.7	841.3	652.1
-27.5°	4114.2	3729.7	3321.7	2860.3	2411.6	1975.3	1583.5	1274.4	1013.5	817.4	632.9
-30°	3962.1	3574.7	3159.3	2709.6	2280.9	1860.6	1508.8	1223.4	983.7	791.3	611.5
-32.5°	3787.7	3403.9	2979.3	2555.3	2142.9	1738.9	1426.4	1168.8	949.2	763.7	591.7
-35°	3589.3	3205.2	2788.7	2389.6	1996.7	1640.6	1345.8	1110.9	910.2	733.8	570.9
-37.5°	3382.5	2991.9	2597.9	2216.6	1841.2	1534.2	1273.3	1053.7	866.5	701.7	547.8
-40°	3146.5	2772.5	2397.8	2038.3	1706.6	1419.9	1194.8	997.3	825.3	667.6	522.6
-42.5°	2903.3	2542.2	2189.0	1849.7	1573.7	1326.8	1112.7	936.5	781.8	634.7	495.3
-45°	2641.1	2299.2	1967.0	1690.7	1438.6	1228.3	1040.7	873.5	735.3	601.0	467.0
-47.5°	2364.5	2043.0	1765.2	1525.1	1323.8	1129.3	964.2	819.0	686.6	564.8	438.7
-50°	2071.5	1804.5	1579.4	1381.2	1199.9	1040.2	888.0	761.9	641.9	524.9	409.0
-52.5°	1811.9	1598.0	1411.7	1242.0	1090.8	946.4	822.3	703.3	595.8	486.7	378.0
-55°	1589.5	1414.1	1256.9	1115.7	982.6	866.0	754.1	651.4	548.5	448.4	346.6
-57.5°	1397.4	1244.1	1118.3	995.7	885.7	786.3	691.9	598.2	503.2	408.8	321.7
-60°	1212.8	1098.4	986.4	887.9	794.8	710.4	633.3	545.1	457.4	369.1	294.1
-62.5°	1053.4	955.7	871.1	785.2	707.8	639.1	574.2	493.2	410.3	332.4	264.2
-65°	904.0	829.0	756.9	688.3	624.2	565.9	513.5	440.0	363.1	293.5	233.0
-67.5°	762.1	705.6	649.0	591.5	541.0	493.8	449.0	382.5	313.8	252.6	202.2
-70°	635.4	587.1	542.8	500.0	459.1	419.8	377.5	321.4	262.3	216.0	170.6
-72.5°	515.7	480.5	443.6	408.5	378.2	343.7	304.8	261.0	219.6	178.6	138.3
-75°	405.0	381.7	355.8	327.9	299.6	268.8	243.1	212.5	176.3	140.6	111.4
-77.5°	324.0	301.3	275.3	253.1	234.2	213.1	189.7	163.1	134.5	109.4	86.1
-80°	239.0	221.6	207.0	194.2	176.7	157.4	138.0	118.7	97.8	78.3	60.4
-82.5°	145.8	142.0	137.9	132.0	117.4	103.1	89.1	75.3	60.5	46.8	38.7
-85°	72.9	71.4	69.3	66.2	57.2	48.5	44.4	40.3	35.3	30.5	25.9
-87.5°	24.0	25.8	27.2	28.3	26.3	24.3	22.2	20.2	17.7	15.3	13.0
-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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.7	0.5	0.4	0.3	0.2	0.0
85°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
82.5°	2.4	2.0	1.6	1.2	0.8	0.5	0.0
80°	3.1	2.7	2.1	1.6	1.1	0.7	0.0
77.5°	3.1	3.1	2.7	2.0	1.4	0.8	0.0
75°	3.1	3.2	3.1	2.4	1.6	1.0	0.0
72.5°	3.2	3.3	3.3	2.8	1.9	1.2	0.0
70°	3.3	3.4	3.4	3.1	2.2	1.3	0.0
67.5°	3.6	3.6	3.6	3.3	2.5	1.5	0.0
65°	4.2	4.1	3.7	3.4	2.7	1.7	0.0
62.5°	4.8	5.1	3.9	3.6	3.0	1.8	0.0
60°	5.7	6.2	4.0	3.7	3.3	2.0	0.0
57.5°	10.5	7.4	5.2	3.9	3.5	2.1	0.0
55°	16.8	8.7	6.5	4.1	3.6	2.3	0.0
52.5°	24.1	11.2	7.9	4.2	3.8	2.4	0.0
50°	32.5	19.1	9.3	4.4	4.0	2.6	0.0
47.5°	43.7	27.6	10.7	4.8	4.2	2.7	0.0
45°	65.9	36.7	12.3	6.0	4.4	2.9	0.0
42.5°	88.7	46.4	13.8	7.1	4.5	3.0	0.0
40°	112.0	56.7	18.6	8.6	4.7	3.2	0.0
37.5°	135.7	67.5	26.7	10.5	4.9	3.3	0.0
35°	159.8	83.9	34.8	12.5	5.1	3.4	0.0
32.5°	185.9	102.9	43.1	14.8	5.3	3.5	0.0
30°	215.8	121.7	51.4	17.2	5.5	3.7	0.0
27.5°	245.1	140.4	61.7	19.8	5.7	3.8	0.0
25°	273.6	158.7	72.3	22.6	5.9	3.9	0.0
22.5°	301.4	177.4	82.8	25.4	6.1	4.0	0.0
20°	328.2	197.4	93.2	28.4	6.3	4.1	0.0
17.5°	354.7	216.8	103.4	31.4	6.5	4.2	0.0
15°	380.2	235.5	113.4	34.4	6.7	4.3	0.0
12.5°	404.0	253.3	123.1	37.4	6.9	4.3	0.0
10°	426.1	270.1	132.3	40.3	7.1	4.4	0.0
7.5°	446.4	285.8	141.1	43.2	7.2	4.5	0.0
5°	464.9	300.3	149.2	45.9	7.4	4.5	0.0
2.5°	481.5	313.4	156.6	48.5	7.6	4.6	0.0
0°	496.1	325.1	163.3	50.8	7.7	4.6	0.0
-2.5°	503.4	332.5	169.5	54.1	8.9	4.9	0.0
-5°	508.7	338.4	174.8	57.2	10.1	5.1	0.0
-7.5°	512.1	342.6	179.1	59.9	11.2	5.4	0.0
-10°	513.6	345.3	182.4	62.3	12.3	5.6	0.0
-12.5°	513.4	346.4	184.6	64.2	13.4	5.8	0.0
-15°	511.4	345.9	185.6	65.8	14.4	6.0	0.0
-17.5°	507.6	343.8	185.5	67.0	15.3	6.2	0.0
-20°	501.8	340.2	184.1	67.7	16.2	6.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	493.4	335.0	181.5	67.9	16.9	6.4	0.0
-25°	483.1	326.9	177.7	67.6	17.6	6.5	0.0
-27.5°	470.8	316.9	172.5	66.7	18.2	6.6	0.0
-30°	456.6	305.4	166.0	65.4	18.7	6.6	0.0
-32.5°	440.5	292.7	158.5	63.4	19.0	6.7	0.0
-35°	423.1	278.5	150.1	60.9	19.3	6.7	0.0
-37.5°	404.4	264.4	140.8	57.9	19.4	6.6	0.0
-40°	384.2	251.5	130.8	54.3	19.4	6.6	0.0
-42.5°	362.6	237.8	123.1	50.4	19.3	6.5	0.0
-45°	339.7	223.1	117.9	46.4	19.1	6.3	0.0
-47.5°	315.5	207.7	111.8	41.9	18.7	6.2	0.0
-50°	295.2	191.4	104.7	40.4	18.3	6.0	0.0
-52.5°	274.9	174.3	96.7	39.6	17.7	5.8	0.0
-55°	253.9	161.4	87.9	38.4	17.0	5.5	0.0
-57.5°	232.0	148.2	78.2	36.7	16.2	5.3	0.0
-60°	209.8	133.9	68.0	34.6	15.2	5.0	0.0
-62.5°	189.6	118.4	63.2	32.2	14.3	4.6	0.0
-65°	167.9	101.9	57.7	29.3	13.3	4.3	0.0
-67.5°	144.8	88.1	51.5	26.2	12.2	3.9	0.0
-70°	120.5	77.1	44.8	22.7	11.0	3.5	0.0
-72.5°	101.9	65.3	37.6	20.0	9.8	3.1	0.0
-75°	83.3	52.7	29.9	17.4	8.5	2.7	0.0
-77.5°	63.8	39.5	24.7	14.7	7.2	2.3	0.0
-80°	43.5	30.1	20.0	11.8	5.8	1.8	0.0
-82.5°	32.0	22.8	15.1	8.9	4.4	1.4	0.0
-85°	21.4	15.3	10.1	6.0	2.9	0.9	0.0
-87.5°	10.8	7.7	5.1	3.0	1.5	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)