

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: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-940-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5B-940-U-WAF-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (80) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

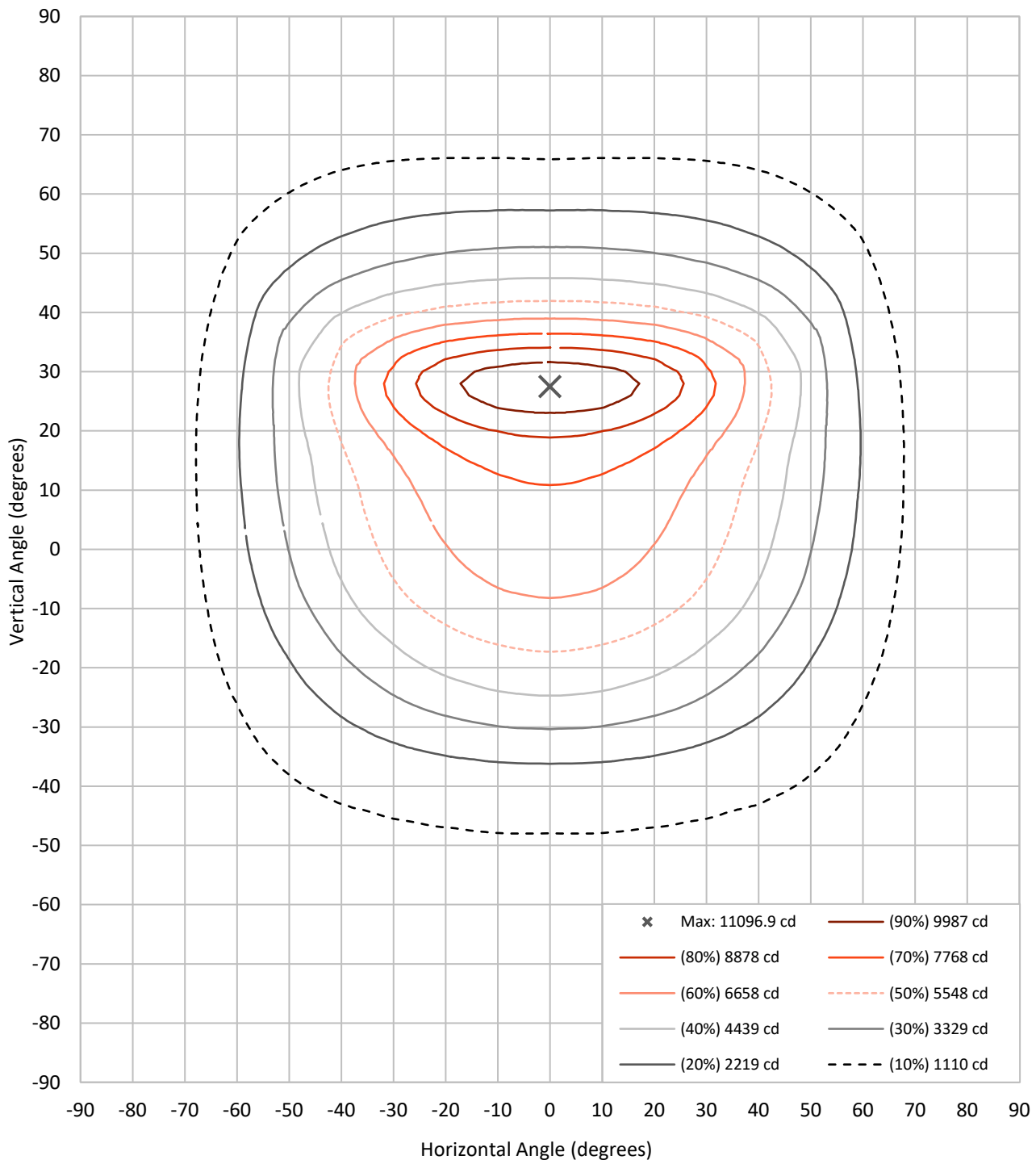
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	16177.4 lumens	Max Intensity:	11096.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	105.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	8407.4 lumens	Field Lumens:	14965.5 lumens
Beam Efficiency:	52.0%	Field Efficiency:	92.5%

Input Watts (W): 154
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



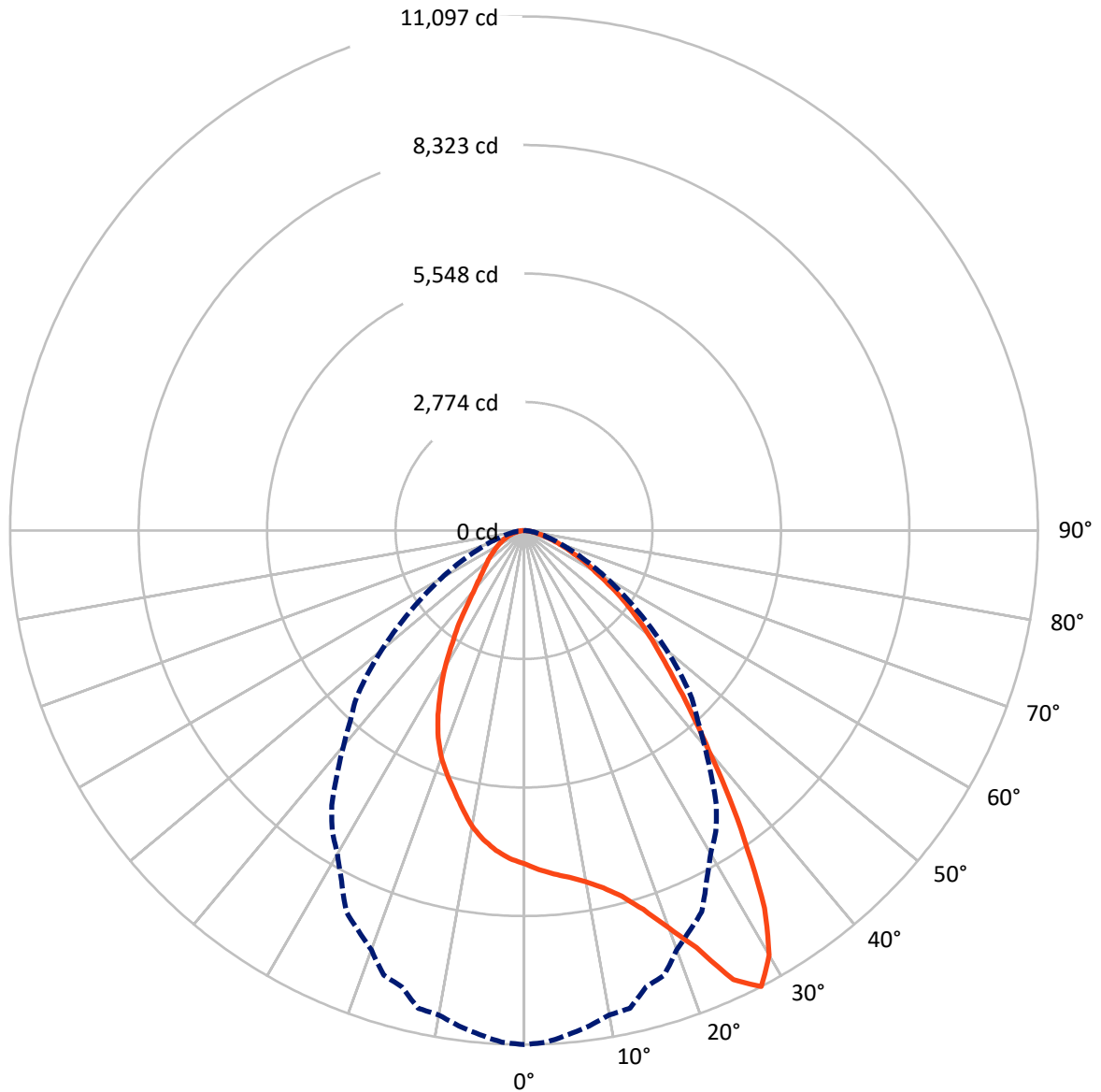
REPORT NUMBER: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



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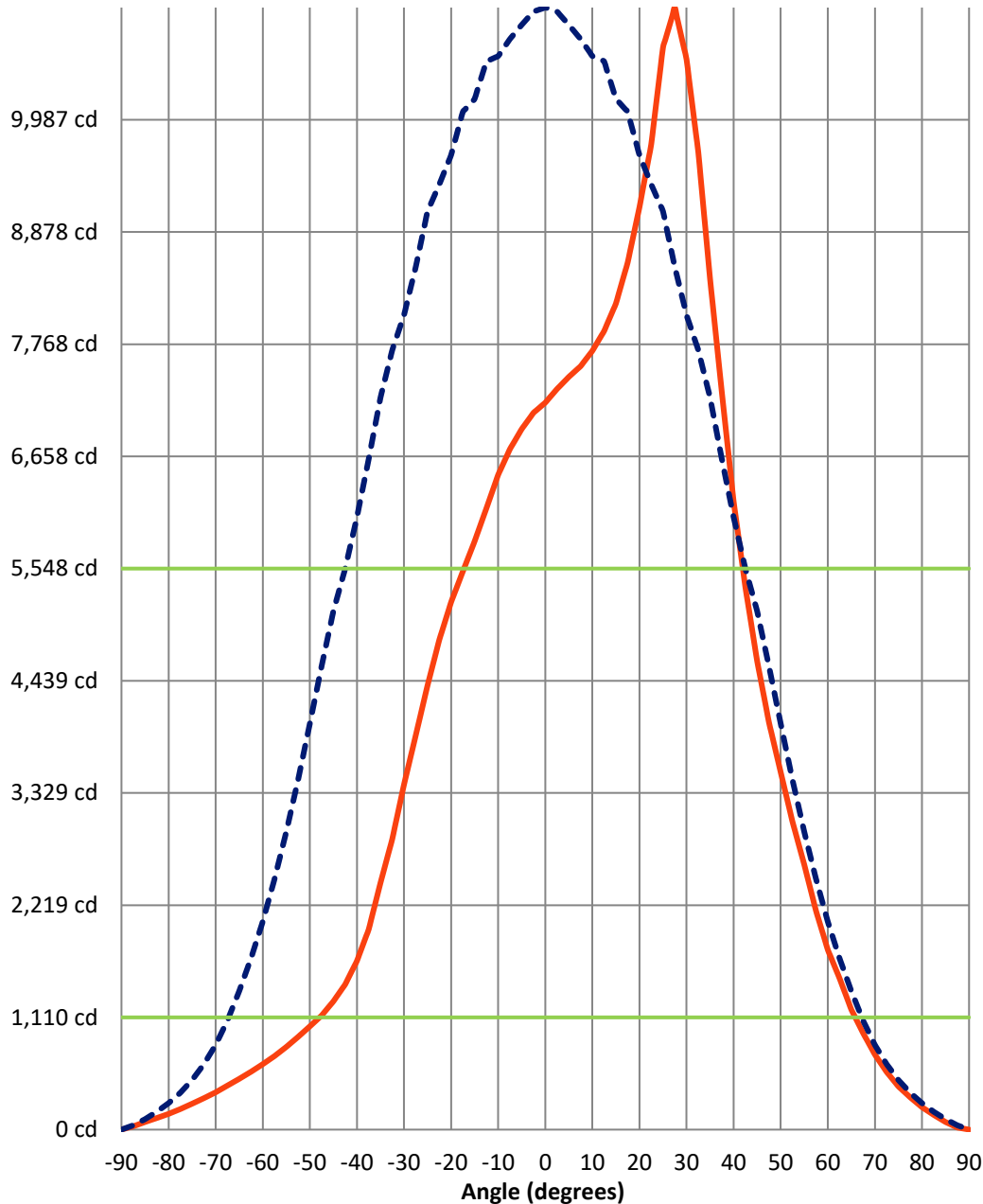
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 27.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 85°
 V Angle: 59.2°
 Lumens: 8407.4
 Efficiency: 52.0%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 14965.5
 Efficiency: 92.5%

Spill:
 Lumens: 1211.9
 Efficiency: 7.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 27.5-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	2.1	4.3	6.4	8.4	10.4	12.4	14.2	16.1	17.8	19.5
85°	0.0	4.2	8.6	12.8	16.9	20.9	24.7	28.5	32.1	35.6	38.9
82.5°	0.0	6.3	12.9	19.2	25.3	31.2	37.0	42.6	49.1	59.8	71.0
80°	0.0	8.4	17.2	25.5	33.6	41.6	50.4	64.4	79.0	94.3	110.1
77.5°	0.0	10.5	21.4	31.8	41.9	54.2	71.5	89.7	108.7	128.4	151.4
75°	0.0	12.6	25.6	38.0	51.1	71.1	92.4	114.7	138.7	169.1	200.1
72.5°	0.0	14.6	29.7	44.2	63.9	87.7	113.0	141.2	176.0	211.6	248.2
70°	0.0	16.6	33.8	50.9	76.6	104.0	133.9	172.7	212.6	253.6	301.5
67.5°	0.0	18.6	37.7	59.9	89.0	120.0	159.5	203.6	248.6	301.8	355.4
65°	0.0	20.5	41.7	68.8	101.1	137.7	184.4	233.7	290.2	348.9	411.2
62.5°	0.0	22.4	45.5	77.4	112.9	157.1	208.5	267.3	330.8	396.6	472.7
60°	0.0	24.3	49.2	85.8	124.4	175.7	231.7	301.6	370.3	449.1	532.2
57.5°	0.0	26.1	54.5	93.9	138.1	193.7	257.9	334.6	413.3	499.8	600.2
55°	0.0	27.8	59.6	101.7	151.5	210.8	283.4	365.3	455.8	551.0	669.7
52.5°	0.0	29.5	64.6	109.3	164.2	227.7	307.5	397.9	496.4	608.4	735.3
50°	0.0	31.1	69.4	116.5	176.4	246.1	330.2	428.9	537.4	662.3	813.7
47.5°	0.0	32.7	74.0	123.8	187.8	263.5	351.8	457.8	581.2	712.4	888.5
45°	0.0	34.2	78.4	131.9	198.7	279.7	374.4	484.4	619.3	773.1	957.4
42.5°	0.0	35.7	82.7	139.5	208.8	294.7	395.2	512.3	654.2	829.1	1034.9
40°	0.0	37.0	86.7	146.7	219.0	308.5	414.1	540.3	689.5	879.4	1107.4
37.5°	0.0	38.3	90.5	153.6	229.3	321.0	431.2	565.7	727.6	925.4	1172.4
35°	0.0	39.6	94.0	160.0	238.7	333.5	446.5	588.5	761.2	974.2	1233.7
32.5°	0.0	40.7	97.4	166.0	247.2	345.3	461.1	608.6	790.2	1016.0	1288.2
30°	0.0	41.8	100.5	171.5	254.7	355.6	476.9	627.4	814.7	1050.8	1333.4
27.5°	0.0	42.7	103.3	176.5	261.9	364.4	490.5	646.8	837.4	1078.5	1369.4
25°	0.0	43.6	106.0	181.1	268.2	371.9	501.9	662.7	859.5	1104.1	1396.4
22.5°	0.0	44.5	108.3	185.1	273.7	378.4	511.3	675.0	876.1	1124.7	1419.5
20°	0.0	45.2	110.4	188.7	278.2	384.8	518.6	683.9	887.4	1138.1	1434.4
17.5°	0.0	45.8	112.3	191.8	281.9	390.2	525.1	689.5	893.6	1144.4	1441.3
15°	0.0	46.4	113.9	194.4	284.7	394.4	530.4	693.4	894.8	1143.9	1440.3
12.5°	0.0	46.8	115.2	196.5	286.7	397.4	533.7	696.3	894.8	1137.1	1431.8
10°	0.0	47.2	116.3	198.1	287.9	399.4	535.0	696.5	893.4	1133.7	1418.8
7.5°	0.0	47.5	117.0	199.2	288.3	400.2	534.4	694.1	888.1	1126.5	1404.3
5°	0.0	47.7	117.6	199.9	288.0	399.9	532.0	689.2	879.3	1114.5	1382.7
2.5°	0.0	47.8	117.8	200.0	286.9	398.5	527.9	681.9	867.1	1098.0	1354.8
0°	0.0	47.8	117.8	199.7	285.1	396.0	522.3	672.5	851.8	1077.1	1321.2
-2.5°	0.0	47.9	117.5	198.8	283.7	392.3	516.3	662.6	836.7	1053.9	1287.4
-5°	0.0	47.8	117.0	197.4	281.7	387.5	508.9	650.8	819.0	1027.0	1249.1
-7.5°	0.0	47.7	116.2	195.6	279.0	381.8	500.2	637.2	798.9	996.8	1207.0
-10°	0.0	47.5	115.1	193.4	275.7	375.2	490.1	621.9	776.5	963.6	1161.6
-12.5°	0.0	47.2	113.8	190.7	271.8	367.8	478.9	605.1	752.1	928.3	1117.0
-15°	0.0	46.8	112.3	187.6	267.2	359.7	466.5	587.0	727.1	893.5	1071.6
-17.5°	0.0	46.3	110.5	184.1	262.1	350.9	453.0	568.8	702.1	856.7	1023.8
-20°	0.0	45.7	108.5	180.2	256.3	341.4	439.0	550.4	675.7	818.3	974.0



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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	45.1	106.3	175.9	250.0	331.4	425.0	530.7	648.2	778.7	922.7
-25°	0.0	44.3	103.9	171.3	243.2	321.4	410.2	509.9	619.7	738.0	870.2
-27.5°	0.0	43.4	101.3	166.3	235.8	311.0	394.6	487.9	590.4	698.5	820.4
-30°	0.0	42.5	98.4	161.0	227.9	299.9	378.3	464.9	562.1	662.6	770.7
-32.5°	0.0	41.5	95.4	155.4	219.7	288.2	361.3	443.4	533.9	626.5	721.3
-35°	0.0	40.3	92.2	149.5	211.1	275.9	345.5	422.2	504.8	590.3	672.3
-37.5°	0.0	39.1	88.9	143.3	202.1	263.5	329.9	400.6	475.0	554.4	631.8
-40°	0.0	37.9	85.4	136.8	192.7	251.6	313.6	378.6	444.5	519.3	593.5
-42.5°	0.0	36.5	81.7	130.0	183.4	239.3	296.9	356.4	417.1	485.5	554.5
-45°	0.0	35.1	77.9	123.1	174.1	226.6	279.6	334.8	391.4	451.6	515.2
-47.5°	0.0	33.6	73.9	115.9	164.5	213.6	261.9	314.1	365.6	417.6	477.7
-50°	0.0	32.0	69.8	109.4	154.5	200.3	245.6	293.0	340.2	389.2	440.4
-52.5°	0.0	30.3	65.5	103.1	144.3	186.6	229.4	271.6	315.6	360.2	403.7
-55°	0.0	28.6	61.2	96.5	133.8	173.4	212.9	250.1	291.0	330.7	371.3
-57.5°	0.0	26.8	56.7	89.8	123.0	160.0	196.2	231.0	266.1	302.5	338.4
-60°	0.0	25.0	52.2	82.9	112.0	146.3	179.4	211.6	241.5	274.4	306.0
-62.5°	0.0	23.1	48.3	75.9	102.7	132.4	162.9	192.0	219.3	246.0	275.0
-65°	0.0	21.2	44.3	68.7	93.3	118.2	146.1	172.3	196.9	220.4	243.7
-67.5°	0.0	19.2	40.1	61.4	83.6	105.1	129.1	152.8	174.3	195.4	215.2
-70°	0.0	17.2	35.9	54.0	73.9	93.0	111.9	133.2	152.6	170.2	187.7
-72.5°	0.0	15.1	31.6	47.3	63.9	80.8	97.1	113.4	130.8	146.6	160.6
-75°	0.0	13.0	27.3	40.7	53.9	68.5	82.5	96.0	109.0	123.0	135.5
-77.5°	0.0	10.9	22.8	34.0	44.9	56.0	67.8	79.2	90.1	100.2	110.4
-80°	0.0	8.7	18.3	27.3	36.0	44.5	53.0	62.4	71.3	79.7	87.5
-82.5°	0.0	6.6	13.8	20.5	27.0	33.4	39.7	46.1	52.5	59.1	65.2
-85°	0.0	4.4	9.2	13.7	18.1	22.3	26.5	30.8	35.0	39.1	43.2
-87.5°	0.0	2.2	4.6	6.8	9.0	11.2	13.2	15.4	17.5	19.6	21.6
-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: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-WAF-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°	20.5	21.4	22.0	22.5	23.4	24.1	24.8	25.3	25.8	26.1	26.4
85°	41.0	42.7	47.8	52.6	57.6	62.1	66.2	69.8	72.7	75.0	76.9
82.5°	80.1	88.7	96.8	104.4	111.3	117.6	123.6	130.4	136.0	140.6	144.4
80°	122.9	134.5	148.7	162.0	174.0	185.0	195.0	204.1	211.1	218.1	225.0
77.5°	172.7	191.6	209.2	225.5	241.2	259.5	276.4	291.9	303.9	313.0	320.0
75°	226.3	248.7	274.4	299.8	323.7	345.7	367.0	393.0	414.2	430.2	442.9
72.5°	283.5	315.7	347.1	377.5	412.6	446.7	479.8	511.8	539.9	560.5	577.2
70°	345.2	382.7	426.0	469.9	512.1	554.9	600.6	642.1	676.5	700.8	724.0
67.5°	408.3	460.9	512.2	565.1	624.9	679.3	729.2	781.7	828.1	858.6	885.2
65°	481.1	539.9	608.5	678.5	744.2	812.2	875.2	932.2	990.7	1033.1	1068.0
62.5°	551.4	634.2	715.1	797.0	879.5	953.4	1035.7	1109.0	1167.8	1228.6	1280.7
60°	634.8	733.2	832.3	931.1	1023.4	1127.3	1217.5	1302.8	1381.4	1449.2	1513.2
57.5°	718.1	845.1	962.4	1078.3	1200.4	1311.6	1417.6	1513.1	1607.0	1685.4	1762.3
55°	805.7	969.1	1104.5	1247.7	1382.0	1507.6	1626.7	1746.3	1846.4	1954.5	2048.5
52.5°	902.9	1089.6	1264.5	1422.2	1573.6	1718.4	1860.8	2004.8	2145.4	2257.5	2363.8
50°	993.7	1216.3	1426.7	1606.6	1780.7	1952.6	2130.6	2310.6	2465.6	2593.7	2704.3
47.5°	1093.8	1334.0	1601.4	1800.4	2009.2	2222.2	2438.4	2637.2	2806.0	2980.3	3102.5
45°	1191.2	1453.2	1743.2	2019.3	2260.9	2519.0	2757.0	2976.3	3221.0	3411.4	3574.7
42.5°	1280.2	1566.0	1888.9	2240.2	2542.4	2819.3	3077.0	3385.5	3666.6	3889.2	4092.9
40°	1371.8	1668.7	2021.3	2445.5	2823.1	3118.6	3432.3	3773.2	4139.1	4413.0	4656.5
37.5°	1455.4	1773.8	2142.5	2602.1	3099.4	3424.3	3771.1	4141.0	4558.2	4970.2	5262.9
35°	1529.5	1862.7	2262.7	2729.5	3238.6	3720.6	4087.5	4481.4	4937.9	5472.4	5872.1
32.5°	1596.7	1935.3	2358.1	2828.9	3345.4	3910.5	4375.9	4780.4	5238.3	5789.9	6468.8
30°	1651.4	2005.7	2429.1	2900.7	3418.7	3981.6	4572.6	5013.2	5447.8	5989.2	6621.0
27.5°	1693.0	2057.2	2478.0	2945.6	3458.0	4014.6	4583.0	5126.6	5547.4	6056.8	6631.3
25°	1724.8	2099.5	2504.0	2962.2	3463.7	4000.1	4547.1	5061.5	5533.8	5982.9	6498.5
22.5°	1751.2	2128.6	2532.4	2951.0	3437.6	3948.5	4463.1	4953.5	5410.7	5831.1	6274.6
20°	1771.0	2147.2	2546.7	2962.0	3393.8	3864.9	4356.9	4823.7	5265.3	5672.4	6033.4
17.5°	1780.0	2152.8	2546.7	2960.0	3386.4	3798.5	4226.9	4675.5	5109.7	5514.2	5870.8
15°	1778.3	2145.6	2532.7	2944.2	3364.2	3772.4	4167.1	4537.2	4941.5	5350.4	5705.7
12.5°	1766.6	2126.2	2505.2	2914.7	3328.1	3731.5	4119.0	4490.7	4853.2	5195.6	5535.4
10°	1745.1	2095.2	2464.7	2871.6	3278.2	3675.6	4058.2	4431.1	4789.8	5126.0	5442.4
7.5°	1723.1	2060.4	2416.0	2815.3	3214.6	3605.0	3984.1	4357.7	4709.4	5044.9	5364.4
5°	1694.1	2023.6	2378.8	2761.4	3146.3	3527.1	3898.2	4269.8	4612.2	4950.8	5271.6
2.5°	1657.2	1977.9	2332.0	2696.0	3069.7	3446.6	3805.2	4169.9	4521.0	4846.4	5162.4
0°	1613.1	1923.7	2275.4	2618.5	2980.3	3352.5	3697.3	4054.0	4419.3	4726.6	5035.5
-2.5°	1565.0	1858.9	2192.9	2534.3	2884.0	3249.0	3602.5	3940.7	4298.0	4608.5	4924.1
-5°	1511.2	1787.3	2101.9	2439.4	2776.4	3132.2	3492.3	3813.9	4155.2	4462.3	4772.6
-7.5°	1452.3	1710.0	2003.3	2332.7	2653.9	2989.4	3330.4	3639.9	3971.6	4275.3	4577.6
-10°	1390.1	1633.8	1907.6	2212.2	2514.9	2827.7	3148.1	3451.0	3770.0	4072.5	4363.4
-12.5°	1330.6	1558.6	1808.9	2085.9	2368.4	2657.3	2955.3	3247.8	3550.4	3854.3	4126.3
-15°	1268.2	1479.6	1706.9	1955.2	2215.3	2479.8	2753.4	3030.2	3314.2	3611.6	3862.8
-17.5°	1203.6	1397.5	1602.9	1821.6	2056.9	2296.4	2548.0	2815.1	3075.0	3345.9	3588.9
-20°	1137.6	1313.0	1497.9	1686.5	1895.5	2125.1	2360.4	2600.2	2836.4	3072.3	3300.4



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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°	1070.6	1226.7	1394.9	1560.8	1759.7	1967.0	2173.5	2381.6	2593.4	2796.6	3012.4
-25°	1005.9	1146.5	1295.2	1456.4	1627.1	1809.8	1987.3	2163.2	2351.0	2541.5	2727.3
-27.5°	943.6	1067.6	1208.0	1351.8	1494.0	1656.6	1811.9	1961.0	2125.0	2292.9	2443.0
-30°	881.1	998.9	1121.8	1249.4	1374.5	1510.3	1644.5	1775.3	1908.9	2052.7	2182.7
-32.5°	823.1	930.6	1042.5	1154.3	1260.6	1365.9	1489.9	1606.1	1715.4	1817.9	1931.3
-35°	770.2	868.7	965.9	1062.4	1149.9	1242.5	1346.3	1444.1	1531.8	1614.1	1700.8
-37.5°	720.2	808.0	889.8	976.0	1053.8	1133.1	1209.5	1294.1	1365.3	1431.1	1502.2
-40°	670.1	748.6	822.3	894.2	965.5	1031.8	1097.0	1154.6	1211.8	1275.0	1324.0
-42.5°	620.8	693.7	759.6	814.8	882.0	939.2	989.8	1037.5	1084.3	1133.6	1172.8
-45°	577.2	639.3	699.5	752.4	802.7	851.4	894.4	931.9	976.2	1010.4	1040.0
-47.5°	533.3	587.1	642.1	690.9	733.0	772.6	804.5	842.2	878.5	907.9	925.1
-50°	490.1	539.2	585.8	631.3	669.5	701.3	728.8	759.8	790.0	814.9	831.4
-52.5°	450.2	491.3	534.5	573.2	608.4	636.8	663.1	690.0	712.2	729.3	750.9
-55°	410.8	448.7	484.7	519.5	549.6	575.7	601.4	625.3	644.2	659.0	676.9
-57.5°	373.9	408.0	439.5	468.7	495.7	518.0	543.1	563.6	581.2	595.0	613.4
-60°	337.8	368.4	397.0	422.4	444.6	466.7	487.1	505.9	521.2	535.0	551.8
-62.5°	302.1	329.6	355.4	378.8	398.9	417.2	435.6	451.6	464.5	478.7	492.7
-65°	268.5	291.7	314.3	335.6	354.7	372.1	387.2	400.2	412.2	424.9	436.1
-67.5°	235.0	256.7	275.6	292.5	310.1	327.0	341.1	353.0	363.1	373.4	382.9
-70°	205.0	222.3	239.6	254.8	268.2	282.3	296.0	307.2	316.2	324.3	332.0
-72.5°	175.6	190.9	205.1	218.3	230.5	241.8	252.5	262.7	271.1	277.4	283.0
-75°	147.7	159.5	171.8	183.3	193.2	202.0	210.2	218.4	225.3	230.7	235.1
-77.5°	120.8	130.9	140.3	149.1	156.2	163.2	169.6	175.5	180.8	184.9	187.9
-80°	94.9	102.1	109.8	117.0	122.5	127.2	131.3	134.8	138.7	142.7	146.1
-82.5°	70.6	75.9	80.9	85.8	89.7	92.9	95.8	98.5	101.3	103.8	106.1
-85°	46.5	49.5	52.6	55.6	58.5	61.1	63.3	65.2	66.7	68.0	69.1
-87.5°	23.2	24.7	26.1	27.4	28.8	30.2	31.4	32.6	33.4	34.0	34.6
-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: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-WAF-XX

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°	26.5	26.6	26.6	26.5	26.3	25.2	24.1	22.8	21.5	22.1	22.7
85°	78.2	78.5	78.3	77.5	76.3	76.2	75.9	75.4	74.7	75.8	76.8
82.5°	147.3	148.4	148.5	147.8	146.3	147.0	147.2	146.9	146.1	147.1	147.8
80°	230.2	232.4	232.5	230.9	227.8	228.2	228.5	227.8	226.3	226.7	226.5
77.5°	327.9	333.0	334.8	334.0	330.9	329.9	327.7	323.2	316.6	316.5	316.7
75°	452.6	457.8	460.4	460.2	457.2	455.2	452.4	447.2	439.9	439.6	439.7
72.5°	590.1	597.7	601.1	604.2	604.2	603.1	599.4	591.7	580.4	579.1	580.4
70°	742.0	754.8	762.9	769.1	774.1	775.1	772.7	766.5	756.7	754.1	753.3
67.5°	911.2	931.7	947.1	957.4	967.1	974.1	976.8	974.0	966.0	963.4	964.4
65°	1100.9	1132.4	1158.5	1178.0	1191.1	1200.3	1208.4	1213.2	1214.4	1217.2	1221.0
62.5°	1322.5	1361.2	1397.4	1422.1	1434.8	1443.7	1469.8	1484.7	1489.1	1490.0	1495.7
60°	1569.8	1618.8	1664.0	1700.3	1729.6	1751.8	1774.0	1788.6	1794.1	1795.2	1803.1
57.5°	1840.4	1901.8	1954.8	2011.0	2050.2	2072.9	2102.5	2133.0	2148.9	2153.4	2172.2
55°	2139.6	2223.6	2292.2	2352.3	2407.0	2455.2	2495.9	2527.3	2550.5	2564.5	2589.3
52.5°	2470.6	2569.2	2640.9	2711.5	2790.0	2845.3	2881.5	2939.6	2981.7	3004.9	3034.5
50°	2833.9	2943.8	3041.6	3115.6	3206.9	3282.4	3337.5	3392.6	3431.1	3453.2	3481.8
47.5°	3247.6	3382.9	3496.3	3564.9	3670.9	3759.9	3795.9	3837.4	3910.0	3944.9	3975.5
45°	3713.3	3885.9	4011.9	4119.2	4210.4	4310.3	4375.7	4422.9	4494.4	4530.3	4552.9
42.5°	4267.4	4459.4	4625.4	4754.3	4830.9	4960.5	5055.0	5081.6	5182.8	5251.5	5271.7
40°	4888.9	5101.7	5320.7	5467.7	5591.0	5722.6	5878.5	5965.2	6050.9	6118.2	6133.4
37.5°	5536.5	5821.4	6071.4	6261.1	6465.0	6659.0	6824.3	6914.3	6970.5	7099.3	7147.4
35°	6194.8	6488.9	6839.1	7133.8	7380.9	7620.5	7809.0	7957.5	8098.8	8214.8	8284.2
32.5°	6755.5	7071.9	7504.3	7945.6	8212.4	8471.9	8781.5	8951.3	9139.8	9292.7	9404.3
30°	7216.2	7517.1	7910.7	8464.5	8829.8	9092.8	9484.6	9719.4	9924.8	10183.8	10273.9
27.5°	7238.1	7708.2	8056.3	8533.2	9081.5	9348.4	9638.4	10065.2	10194.7	10564.0	10617.1
25°	7048.1	7541.7	7899.4	8297.5	8753.4	9078.1	9342.9	9697.8	9883.7	10121.1	10303.5
22.5°	6750.9	7185.9	7550.9	7888.5	8244.1	8539.8	8781.9	9031.4	9235.3	9419.5	9590.7
20°	6422.8	6835.7	7181.8	7472.1	7753.9	8028.0	8245.8	8455.3	8631.7	8789.8	8887.3
17.5°	6191.6	6488.7	6842.3	7139.7	7384.1	7599.2	7824.5	7999.8	8154.6	8296.9	8385.9
15°	6033.8	6316.3	6568.1	6841.0	7098.5	7303.6	7473.3	7654.2	7787.9	7910.4	8006.9
12.5°	5870.1	6161.1	6424.6	6651.9	6853.5	7077.5	7258.8	7401.1	7541.3	7637.6	7736.7
10°	5733.2	6005.6	6278.9	6518.9	6731.0	6915.6	7087.2	7246.8	7372.7	7480.6	7558.7
7.5°	5653.9	5920.9	6166.5	6396.8	6603.6	6800.3	6977.3	7123.6	7248.4	7360.1	7441.9
5°	5561.8	5826.1	6071.3	6306.6	6505.3	6694.2	6870.6	7021.1	7150.2	7249.7	7328.0
2.5°	5456.2	5717.0	5961.6	6200.7	6399.3	6581.6	6748.5	6895.3	7029.8	7124.6	7191.3
0°	5336.0	5597.1	5836.1	6061.4	6261.1	6457.4	6611.0	6759.6	6891.0	6984.9	7051.4
-2.5°	5214.6	5474.2	5721.6	5937.4	6135.7	6317.0	6480.5	6620.7	6746.2	6839.7	6898.2
-5°	5053.4	5311.3	5555.5	5773.1	5980.1	6162.1	6321.0	6463.7	6584.6	6686.5	6765.8
-7.5°	4858.2	5119.0	5362.9	5585.1	5791.1	5963.0	6115.7	6259.4	6388.5	6499.9	6597.4
-10°	4643.5	4901.5	5131.9	5340.0	5532.0	5706.8	5869.2	6011.1	6129.5	6238.5	6320.6
-12.5°	4393.5	4632.4	4857.7	5062.8	5250.5	5425.5	5580.0	5715.2	5834.3	5931.0	6005.0
-15°	4117.6	4344.4	4557.8	4767.4	4964.0	5136.4	5272.2	5414.8	5518.0	5611.7	5678.4
-17.5°	3822.5	4041.7	4266.2	4476.4	4657.8	4827.8	4977.3	5107.6	5215.9	5301.9	5377.1
-20°	3523.3	3746.6	3962.7	4163.0	4337.5	4495.1	4646.5	4771.6	4882.6	4976.2	5064.4



REPORT NUMBER: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	3222.9	3427.7	3630.5	3826.4	3991.5	4140.6	4273.1	4392.7	4490.7	4601.0	4678.9
-25°	2914.2	3093.7	3276.9	3449.9	3605.9	3752.5	3872.6	3977.5	4079.7	4186.2	4262.1
-27.5°	2604.1	2762.8	2911.6	3064.7	3201.4	3328.3	3439.8	3531.7	3630.8	3701.9	3785.4
-30°	2297.4	2441.4	2565.5	2672.0	2800.5	2909.4	2996.2	3087.5	3169.4	3237.3	3307.6
-32.5°	2037.7	2136.1	2235.3	2324.4	2409.8	2499.4	2569.2	2648.9	2705.1	2763.6	2820.4
-35°	1788.2	1864.0	1929.8	2013.1	2077.2	2125.9	2184.3	2242.6	2265.1	2328.7	2362.6
-37.5°	1562.1	1611.9	1673.3	1731.3	1778.9	1815.3	1867.2	1897.9	1914.0	1955.2	1977.2
-40°	1368.7	1400.1	1457.4	1497.1	1525.7	1552.1	1595.3	1615.1	1637.2	1657.6	1658.2
-42.5°	1198.5	1239.0	1277.8	1309.0	1327.0	1357.2	1377.5	1379.7	1408.2	1426.4	1429.2
-45°	1059.3	1100.4	1131.2	1154.1	1172.1	1198.1	1211.2	1218.5	1241.7	1254.1	1259.5
-47.5°	952.4	981.1	1007.8	1025.4	1049.1	1068.3	1077.9	1090.2	1108.0	1119.3	1127.4
-50°	858.4	881.2	901.4	917.6	941.2	958.3	967.5	982.5	995.8	1004.0	1010.4
-52.5°	775.7	796.0	810.1	825.8	845.4	860.5	872.2	887.1	898.2	905.4	911.0
-55°	698.4	717.5	731.2	748.3	762.3	772.4	782.4	796.9	807.8	815.2	820.0
-57.5°	630.0	644.4	657.9	673.4	686.7	697.8	706.7	714.7	721.8	727.9	732.6
-60°	566.1	577.7	590.1	602.3	612.3	620.2	629.8	637.1	641.7	644.6	648.5
-62.5°	504.6	515.1	526.0	535.8	543.8	550.5	558.2	564.2	568.5	571.5	573.8
-65°	446.2	455.2	464.4	472.6	479.5	485.3	490.7	494.9	497.9	500.5	502.5
-67.5°	391.5	398.7	405.1	410.7	415.9	420.8	425.6	428.9	430.6	432.7	434.8
-70°	338.7	344.4	348.7	352.1	355.1	359.0	363.6	366.8	368.7	370.7	372.6
-72.5°	287.7	291.8	295.3	298.1	299.8	302.4	305.5	308.1	310.1	311.6	312.3
-75°	238.6	242.0	245.1	247.2	248.5	250.3	251.9	252.8	252.9	253.6	254.0
-77.5°	190.6	193.9	196.8	198.9	200.1	201.6	202.8	203.4	203.5	203.6	203.2
-80°	148.7	151.0	152.9	154.4	155.3	156.3	157.0	157.1	156.8	157.1	157.2
-82.5°	108.0	110.1	111.7	113.0	113.9	114.9	115.8	116.3	116.7	116.8	116.7
-85°	69.9	70.9	71.7	72.5	73.3	73.8	74.0	74.1	73.9	74.0	73.9
-87.5°	35.0	34.6	34.0	33.3	32.5	32.7	32.8	32.9	32.9	33.3	33.6
-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: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-WAF-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°	23.3	23.8	22.2	20.5	22.2	23.8	23.3	22.7	22.1	21.5	22.8
85°	77.6	78.1	76.7	75.1	76.7	78.1	77.6	76.8	75.8	74.7	75.4
82.5°	148.0	147.7	146.6	145.1	146.6	147.7	148.0	147.8	147.1	146.1	146.9
80°	225.7	224.2	223.3	221.9	223.3	224.2	225.7	226.5	226.7	226.3	227.8
77.5°	315.9	314.2	317.0	319.2	317.0	314.2	315.9	316.7	316.5	316.6	323.2
75°	438.0	434.6	431.4	426.7	431.4	434.6	438.0	439.7	439.6	439.9	447.2
72.5°	579.8	577.2	574.5	570.1	574.5	577.2	579.8	580.4	579.1	580.4	591.7
70°	748.7	740.8	742.1	742.5	742.1	740.8	748.7	753.3	754.1	756.7	766.5
67.5°	961.3	954.1	955.0	954.2	955.0	954.1	961.3	964.4	963.4	966.0	974.0
65°	1218.7	1210.6	1200.8	1186.3	1200.8	1210.6	1218.7	1221.0	1217.2	1214.4	1213.2
62.5°	1495.0	1487.9	1492.0	1495.3	1492.0	1487.9	1495.0	1495.7	1490.0	1489.1	1484.7
60°	1801.8	1791.7	1786.8	1778.7	1786.8	1791.7	1801.8	1803.1	1795.2	1794.1	1788.6
57.5°	2180.8	2178.9	2174.5	2162.7	2174.5	2178.9	2180.8	2172.2	2153.4	2148.9	2133.0
55°	2601.0	2598.6	2608.3	2620.2	2608.3	2598.6	2601.0	2589.3	2564.5	2550.5	2527.3
52.5°	3056.4	3064.0	3061.3	3045.2	3061.3	3064.0	3056.4	3034.5	3004.9	2981.7	2939.6
50°	3507.1	3515.7	3524.9	3533.4	3524.9	3515.7	3507.1	3481.8	3453.2	3431.1	3392.6
47.5°	4017.9	4040.6	4044.6	4028.4	4044.6	4040.6	4017.9	3975.5	3944.9	3910.0	3837.4
45°	4598.2	4612.0	4619.0	4632.7	4619.0	4612.0	4598.2	4552.9	4530.3	4494.4	4422.9
42.5°	5329.9	5345.8	5348.3	5363.3	5348.3	5345.8	5329.9	5271.7	5251.5	5182.8	5081.6
40°	6198.5	6224.2	6219.7	6213.3	6219.7	6224.2	6198.5	6133.4	6118.2	6050.9	5965.2
37.5°	7215.1	7258.8	7263.4	7290.4	7263.4	7258.8	7215.1	7147.4	7099.3	6970.5	6914.3
35°	8356.1	8407.6	8398.7	8411.9	8398.7	8407.6	8356.1	8284.2	8214.8	8098.8	7957.5
32.5°	9507.0	9584.3	9599.8	9664.8	9599.8	9584.3	9507.0	9404.3	9292.7	9139.8	8951.3
30°	10411.3	10519.5	10590.1	10584.8	10590.1	10519.5	10411.3	10273.9	10183.8	9924.8	9719.4
27.5°	10785.8	10926.1	11057.4	11096.9	11057.4	10926.1	10785.8	10617.1	10564.0	10194.7	10065.2
25°	10420.4	10522.8	10638.8	10700.9	10638.8	10522.8	10420.4	10303.5	10121.1	9883.7	9697.8
22.5°	9669.4	9736.1	9775.6	9743.3	9775.6	9736.1	9669.4	9590.7	9419.5	9235.3	9031.4
20°	8988.0	9072.3	9088.0	9122.0	9088.0	9072.3	8988.0	8887.3	8789.8	8631.7	8455.3
17.5°	8480.8	8536.1	8568.5	8575.8	8568.5	8536.1	8480.8	8385.9	8296.9	8154.6	7999.8
15°	8083.3	8127.6	8156.6	8169.5	8156.6	8127.6	8083.3	8006.9	7910.4	7787.9	7654.2
12.5°	7801.6	7855.6	7882.0	7898.1	7882.0	7855.6	7801.6	7736.7	7637.6	7541.3	7401.1
10°	7621.0	7673.1	7694.1	7701.8	7694.1	7673.1	7621.0	7558.7	7480.6	7372.7	7246.8
7.5°	7491.3	7524.7	7538.9	7549.9	7538.9	7524.7	7491.3	7441.9	7360.1	7248.4	7123.6
5°	7386.6	7413.3	7428.2	7444.0	7428.2	7413.3	7386.6	7328.0	7249.7	7150.2	7021.1
2.5°	7244.2	7282.3	7308.6	7324.6	7308.6	7282.3	7244.2	7191.3	7124.6	7029.8	6895.3
0°	7104.4	7140.2	7159.0	7189.7	7159.0	7140.2	7104.4	7051.4	6984.9	6891.0	6759.6
-2.5°	6950.6	6992.1	7041.4	7089.0	7041.4	6992.1	6950.6	6898.2	6839.7	6746.2	6620.7
-5°	6832.9	6887.8	6898.1	6928.5	6898.1	6887.8	6832.9	6765.8	6686.5	6584.6	6463.7
-7.5°	6655.4	6680.5	6722.9	6730.5	6722.9	6680.5	6655.4	6597.4	6499.9	6388.5	6259.4
-10°	6382.0	6422.6	6449.1	6476.2	6449.1	6422.6	6382.0	6320.6	6238.5	6129.5	6011.1
-12.5°	6060.6	6108.4	6151.0	6145.0	6151.0	6108.4	6060.6	6005.0	5931.0	5834.3	5715.2
-15°	5747.5	5793.7	5823.0	5819.0	5823.0	5793.7	5747.5	5678.4	5611.7	5518.0	5414.8
-17.5°	5436.8	5478.9	5521.3	5520.3	5521.3	5478.9	5436.8	5377.1	5301.9	5215.9	5107.6
-20°	5115.9	5151.9	5197.4	5216.5	5197.4	5151.9	5115.9	5064.4	4976.2	4882.6	4771.6



REPORT NUMBER: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4744.9	4791.0	4824.0	4844.3	4824.0	4791.0	4744.9	4678.9	4601.0	4490.7	4392.7
-25°	4312.4	4359.7	4384.8	4393.7	4384.8	4359.7	4312.4	4262.1	4186.2	4079.7	3977.5
-27.5°	3834.6	3887.7	3913.5	3900.4	3913.5	3887.7	3834.6	3785.4	3701.9	3630.8	3531.7
-30°	3344.6	3378.7	3382.6	3412.2	3382.6	3378.7	3344.6	3307.6	3237.3	3169.4	3087.5
-32.5°	2861.1	2884.0	2871.0	2872.8	2871.0	2884.0	2861.1	2820.4	2763.6	2705.1	2648.9
-35°	2383.7	2401.9	2405.6	2439.2	2405.6	2401.9	2383.7	2362.6	2328.7	2265.1	2242.6
-37.5°	2000.0	2007.4	1996.1	1980.1	1996.1	2007.4	2000.0	1977.2	1955.2	1914.0	1897.9
-40°	1674.5	1680.2	1676.0	1667.7	1676.0	1680.2	1674.5	1658.2	1657.6	1637.2	1615.1
-42.5°	1440.4	1440.4	1436.6	1435.6	1436.6	1440.4	1440.4	1429.2	1426.4	1408.2	1379.7
-45°	1267.4	1269.2	1268.9	1268.3	1268.9	1269.2	1267.4	1259.5	1254.1	1241.7	1218.5
-47.5°	1133.2	1133.5	1131.8	1128.3	1131.8	1133.5	1133.2	1127.4	1119.3	1108.0	1090.2
-50°	1014.3	1014.3	1016.7	1020.8	1016.7	1014.3	1014.3	1010.4	1004.0	995.8	982.5
-52.5°	914.0	913.7	915.0	916.6	915.0	913.7	914.0	911.0	905.4	898.2	887.1
-55°	822.2	821.7	820.4	817.6	820.4	821.7	822.2	820.0	815.2	807.8	796.9
-57.5°	734.3	733.3	731.1	727.2	731.1	733.3	734.3	732.6	727.9	721.8	714.7
-60°	650.6	651.0	649.9	646.9	649.9	651.0	650.6	648.5	644.6	641.7	637.1
-62.5°	574.3	573.1	572.9	571.8	572.9	573.1	574.3	573.8	571.5	568.5	564.2
-65°	502.9	501.8	502.1	501.8	502.1	501.8	502.9	502.5	500.5	497.9	494.9
-67.5°	435.6	435.3	435.6	435.3	435.6	435.3	435.6	434.8	432.7	430.6	428.9
-70°	373.6	373.8	371.8	368.7	371.8	373.8	373.6	372.6	370.7	368.7	366.8
-72.5°	312.2	311.1	311.2	310.7	311.2	311.1	312.2	312.3	311.6	310.1	308.1
-75°	253.9	253.2	254.8	256.0	254.8	253.2	253.9	254.0	253.6	252.9	252.8
-77.5°	202.2	200.7	202.0	203.1	202.0	200.7	202.2	203.2	203.6	203.5	203.4
-80°	156.9	156.4	156.0	155.3	156.0	156.4	156.9	157.2	157.1	156.8	157.1
-82.5°	116.3	115.6	115.1	114.4	115.1	115.6	116.3	116.7	116.8	116.7	116.3
-85°	73.6	73.1	74.2	75.1	74.2	73.1	73.6	73.9	74.0	73.9	74.1
-87.5°	33.8	34.0	33.2	32.4	33.2	34.0	33.8	33.6	33.3	32.9	32.9
-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):

	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°	24.1	25.2	26.3	26.5	26.6	26.6	26.5	26.4	26.1	25.8	25.3
85°	75.9	76.2	76.3	77.5	78.3	78.5	78.2	76.9	75.0	72.7	69.8
82.5°	147.2	147.0	146.3	147.8	148.5	148.4	147.3	144.4	140.6	136.0	130.4
80°	228.5	228.2	227.8	230.9	232.5	232.4	230.2	225.0	218.1	211.1	204.1
77.5°	327.7	329.9	330.9	334.0	334.8	333.0	327.9	320.0	313.0	303.9	291.9
75°	452.4	455.2	457.2	460.2	460.4	457.8	452.6	442.9	430.2	414.2	393.0
72.5°	599.4	603.1	604.2	604.2	601.1	597.7	590.1	577.2	560.5	539.9	511.8
70°	772.7	775.1	774.1	769.1	762.9	754.8	742.0	724.0	700.8	676.5	642.1
67.5°	976.8	974.1	967.1	957.4	947.1	931.7	911.2	885.2	858.6	828.1	781.7
65°	1208.4	1200.3	1191.1	1178.0	1158.5	1132.4	1100.9	1068.0	1033.1	990.7	932.2
62.5°	1469.8	1443.7	1434.8	1422.1	1397.4	1361.2	1322.5	1280.7	1228.6	1167.8	1109.0
60°	1774.0	1751.8	1729.6	1700.3	1664.0	1618.8	1569.8	1513.2	1449.2	1381.4	1302.8
57.5°	2102.5	2072.9	2050.2	2011.0	1954.8	1901.8	1840.4	1762.3	1685.4	1607.0	1513.1
55°	2495.9	2455.2	2407.0	2352.3	2292.2	2223.6	2139.6	2048.5	1954.5	1846.4	1746.3
52.5°	2881.5	2845.3	2790.0	2711.5	2640.9	2569.2	2470.6	2363.8	2257.5	2145.4	2004.8
50°	3337.5	3282.4	3206.9	3115.6	3041.6	2943.8	2833.9	2704.3	2593.7	2465.6	2310.6
47.5°	3795.9	3759.9	3670.9	3564.9	3496.3	3382.9	3247.6	3102.5	2980.3	2806.0	2637.2
45°	4375.7	4310.3	4210.4	4119.2	4011.9	3885.9	3713.3	3574.7	3411.4	3221.0	2976.3
42.5°	5055.0	4960.5	4830.9	4754.3	4625.4	4459.4	4267.4	4092.9	3889.2	3666.6	3385.5
40°	5878.5	5722.6	5591.0	5467.7	5320.7	5101.7	4888.9	4656.5	4413.0	4139.1	3773.2
37.5°	6824.3	6659.0	6465.0	6261.1	6071.4	5821.4	5536.5	5262.9	4970.2	4558.2	4141.0
35°	7809.0	7620.5	7380.9	7133.8	6839.1	6488.9	6194.8	5872.1	5472.4	4937.9	4481.4
32.5°	8781.5	8471.9	8212.4	7945.6	7504.3	7071.9	6755.5	6468.8	5789.9	5238.3	4780.4
30°	9484.6	9092.8	8829.8	8464.5	7910.7	7517.1	7216.2	6621.0	5989.2	5447.8	5013.2
27.5°	9638.4	9348.4	9081.5	8533.2	8056.3	7708.2	7238.1	6631.3	6056.8	5547.4	5126.6
25°	9342.9	9078.1	8753.4	8297.5	7899.4	7541.7	7048.1	6498.5	5982.9	5533.8	5061.5
22.5°	8781.9	8539.8	8244.1	7888.5	7550.9	7185.9	6750.9	6274.6	5831.1	5410.7	4953.5
20°	8245.8	8028.0	7753.9	7472.1	7181.8	6835.7	6422.8	6033.4	5672.4	5265.3	4823.7
17.5°	7824.5	7599.2	7384.1	7139.7	6842.3	6488.7	6191.6	5870.8	5514.2	5109.7	4675.5
15°	7473.3	7303.6	7098.5	6841.0	6568.1	6316.3	6033.8	5705.7	5350.4	4941.5	4537.2
12.5°	7258.8	7077.5	6853.5	6651.9	6424.6	6161.1	5870.1	5535.4	5195.6	4853.2	4490.7
10°	7087.2	6915.6	6731.0	6518.9	6278.9	6005.6	5733.2	5442.4	5126.0	4789.8	4431.1
7.5°	6977.3	6800.3	6603.6	6396.8	6166.5	5920.9	5653.9	5364.4	5044.9	4709.4	4357.7
5°	6870.6	6694.2	6505.3	6306.6	6071.3	5826.1	5561.8	5271.6	4950.8	4612.2	4269.8
2.5°	6748.5	6581.6	6399.3	6200.7	5961.6	5717.0	5456.2	5162.4	4846.4	4521.0	4169.9
0°	6611.0	6457.4	6261.1	6061.4	5836.1	5597.1	5336.0	5035.5	4726.6	4419.3	4054.0
-2.5°	6480.5	6317.0	6135.7	5937.4	5721.6	5474.2	5214.6	4924.1	4608.5	4298.0	3940.7
-5°	6321.0	6162.1	5980.1	5773.1	5555.5	5311.3	5053.4	4772.6	4462.3	4155.2	3813.9
-7.5°	6115.7	5963.0	5791.1	5585.1	5362.9	5119.0	4858.2	4577.6	4275.3	3971.6	3639.9
-10°	5869.2	5706.8	5532.0	5340.0	5131.9	4901.5	4643.5	4363.4	4072.5	3770.0	3451.0
-12.5°	5580.0	5425.5	5250.5	5062.8	4857.7	4632.4	4393.5	4126.3	3854.3	3550.4	3247.8
-15°	5272.2	5136.4	4964.0	4767.4	4557.8	4344.4	4117.6	3862.8	3611.6	3314.2	3030.2
-17.5°	4977.3	4827.8	4657.8	4476.4	4266.2	4041.7	3822.5	3588.9	3345.9	3075.0	2815.1
-20°	4646.5	4495.1	4337.5	4163.0	3962.7	3746.6	3523.3	3300.4	3072.3	2836.4	2600.2



REPORT NUMBER: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4273.1	4140.6	3991.5	3826.4	3630.5	3427.7	3222.9	3012.4	2796.6	2593.4	2381.6
-25°	3872.6	3752.5	3605.9	3449.9	3276.9	3093.7	2914.2	2727.3	2541.5	2351.0	2163.2
-27.5°	3439.8	3328.3	3201.4	3064.7	2911.6	2762.8	2604.1	2443.0	2292.9	2125.0	1961.0
-30°	2996.2	2909.4	2800.5	2672.0	2565.5	2441.4	2297.4	2182.7	2052.7	1908.9	1775.3
-32.5°	2569.2	2499.4	2409.8	2324.4	2235.3	2136.1	2037.7	1931.3	1817.9	1715.4	1606.1
-35°	2184.3	2125.9	2077.2	2013.1	1929.8	1864.0	1788.2	1700.8	1614.1	1531.8	1444.1
-37.5°	1867.2	1815.3	1778.9	1731.3	1673.3	1611.9	1562.1	1502.2	1431.1	1365.3	1294.1
-40°	1595.3	1552.1	1525.7	1497.1	1457.4	1400.1	1368.7	1324.0	1275.0	1211.8	1154.6
-42.5°	1377.5	1357.2	1327.0	1309.0	1277.8	1239.0	1198.5	1172.8	1133.6	1084.3	1037.5
-45°	1211.2	1198.1	1172.1	1154.1	1131.2	1100.4	1059.3	1040.0	1010.4	976.2	931.9
-47.5°	1077.9	1068.3	1049.1	1025.4	1007.8	981.1	952.4	925.1	907.9	878.5	842.2
-50°	967.5	958.3	941.2	917.6	901.4	881.2	858.4	831.4	814.9	790.0	759.8
-52.5°	872.2	860.5	845.4	825.8	810.1	796.0	775.7	750.9	729.3	712.2	690.0
-55°	782.4	772.4	762.3	748.3	731.2	717.5	698.4	676.9	659.0	644.2	625.3
-57.5°	706.7	697.8	686.7	673.4	657.9	644.4	630.0	613.4	595.0	581.2	563.6
-60°	629.8	620.2	612.3	602.3	590.1	577.7	566.1	551.8	535.0	521.2	505.9
-62.5°	558.2	550.5	543.8	535.8	526.0	515.1	504.6	492.7	478.7	464.5	451.6
-65°	490.7	485.3	479.5	472.6	464.4	455.2	446.2	436.1	424.9	412.2	400.2
-67.5°	425.6	420.8	415.9	410.7	405.1	398.7	391.5	382.9	373.4	363.1	353.0
-70°	363.6	359.0	355.1	352.1	348.7	344.4	338.7	332.0	324.3	316.2	307.2
-72.5°	305.5	302.4	299.8	298.1	295.3	291.8	287.7	283.0	277.4	271.1	262.7
-75°	251.9	250.3	248.5	247.2	245.1	242.0	238.6	235.1	230.7	225.3	218.4
-77.5°	202.8	201.6	200.1	198.9	196.8	193.9	190.6	187.9	184.9	180.8	175.5
-80°	157.0	156.3	155.3	154.4	152.9	151.0	148.7	146.1	142.7	138.7	134.8
-82.5°	115.8	114.9	113.9	113.0	111.7	110.1	108.0	106.1	103.8	101.3	98.5
-85°	74.0	73.8	73.3	72.5	71.7	70.9	69.9	69.1	68.0	66.7	65.2
-87.5°	32.8	32.7	32.5	33.3	34.0	34.6	35.0	34.6	34.0	33.4	32.6
-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: P559034 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-WAF-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°	24.8	24.1	23.4	22.5	22.0	21.4	20.5	19.5	17.8	16.1	14.2
85°	66.2	62.1	57.6	52.6	47.8	42.7	41.0	38.9	35.6	32.1	28.5
82.5°	123.6	117.6	111.3	104.4	96.8	88.7	80.1	71.0	59.8	49.1	42.6
80°	195.0	185.0	174.0	162.0	148.7	134.5	122.9	110.1	94.3	79.0	64.4
77.5°	276.4	259.5	241.2	225.5	209.2	191.6	172.7	151.4	128.4	108.7	89.7
75°	367.0	345.7	323.7	299.8	274.4	248.7	226.3	200.1	169.1	138.7	114.7
72.5°	479.8	446.7	412.6	377.5	347.1	315.7	283.5	248.2	211.6	176.0	141.2
70°	600.6	554.9	512.1	469.9	426.0	382.7	345.2	301.5	253.6	212.6	172.7
67.5°	729.2	679.3	624.9	565.1	512.2	460.9	408.3	355.4	301.8	248.6	203.6
65°	875.2	812.2	744.2	678.5	608.5	539.9	481.1	411.2	348.9	290.2	233.7
62.5°	1035.7	953.4	879.5	797.0	715.1	634.2	551.4	472.7	396.6	330.8	267.3
60°	1217.5	1127.3	1023.4	931.1	832.3	733.2	634.8	532.2	449.1	370.3	301.6
57.5°	1417.6	1311.6	1200.4	1078.3	962.4	845.1	718.1	600.2	499.8	413.3	334.6
55°	1626.7	1507.6	1382.0	1247.7	1104.5	969.1	805.7	669.7	551.0	455.8	365.3
52.5°	1860.8	1718.4	1573.6	1422.2	1264.5	1089.6	902.9	735.3	608.4	496.4	397.9
50°	2130.6	1952.6	1780.7	1606.6	1426.7	1216.3	993.7	813.7	662.3	537.4	428.9
47.5°	2438.4	2222.2	2009.2	1800.4	1601.4	1334.0	1093.8	888.5	712.4	581.2	457.8
45°	2757.0	2519.0	2260.9	2019.3	1743.2	1453.2	1191.2	957.4	773.1	619.3	484.4
42.5°	3077.0	2819.3	2542.4	2240.2	1888.9	1566.0	1280.2	1034.9	829.1	654.2	512.3
40°	3432.3	3118.6	2823.1	2445.5	2021.3	1668.7	1371.8	1107.4	879.4	689.5	540.3
37.5°	3771.1	3424.3	3099.4	2602.1	2142.5	1773.8	1455.4	1172.4	925.4	727.6	565.7
35°	4087.5	3720.6	3238.6	2729.5	2262.7	1862.7	1529.5	1233.7	974.2	761.2	588.5
32.5°	4375.9	3910.5	3345.4	2828.9	2358.1	1935.3	1596.7	1288.2	1016.0	790.2	608.6
30°	4572.6	3981.6	3418.7	2900.7	2429.1	2005.7	1651.4	1333.4	1050.8	814.7	627.4
27.5°	4583.0	4014.6	3458.0	2945.6	2478.0	2057.2	1693.0	1369.4	1078.5	837.4	646.8
25°	4547.1	4000.1	3463.7	2962.2	2504.0	2099.5	1724.8	1396.4	1104.1	859.5	662.7
22.5°	4463.1	3948.5	3437.6	2951.0	2532.4	2128.6	1751.2	1419.5	1124.7	876.1	675.0
20°	4356.9	3864.9	3393.8	2962.0	2546.7	2147.2	1771.0	1434.4	1138.1	887.4	683.9
17.5°	4226.9	3798.5	3386.4	2960.0	2546.7	2152.8	1780.0	1441.3	1144.4	893.6	689.5
15°	4167.1	3772.4	3364.2	2944.2	2532.7	2145.6	1778.3	1440.3	1143.9	894.8	693.4
12.5°	4119.0	3731.5	3328.1	2914.7	2505.2	2126.2	1766.6	1431.8	1137.1	894.8	696.3
10°	4058.2	3675.6	3278.2	2871.6	2464.7	2095.2	1745.1	1418.8	1133.7	893.4	696.5
7.5°	3984.1	3605.0	3214.6	2815.3	2416.0	2060.4	1723.1	1404.3	1126.5	888.1	694.1
5°	3898.2	3527.1	3146.3	2761.4	2378.8	2023.6	1694.1	1382.7	1114.5	879.3	689.2
2.5°	3805.2	3446.6	3069.7	2696.0	2332.0	1977.9	1657.2	1354.8	1098.0	867.1	681.9
0°	3697.3	3352.5	2980.3	2618.5	2275.4	1923.7	1613.1	1321.2	1077.1	851.8	672.5
-2.5°	3602.5	3249.0	2884.0	2534.3	2192.9	1858.9	1565.0	1287.4	1053.9	836.7	662.6
-5°	3492.3	3132.2	2776.4	2439.4	2101.9	1787.3	1511.2	1249.1	1027.0	819.0	650.8
-7.5°	3330.4	2989.4	2653.9	2332.7	2003.3	1710.0	1452.3	1207.0	996.8	798.9	637.2
-10°	3148.1	2827.7	2514.9	2212.2	1907.6	1633.8	1390.1	1161.6	963.6	776.5	621.9
-12.5°	2955.3	2657.3	2368.4	2085.9	1808.9	1558.6	1330.6	1117.0	928.3	752.1	605.1
-15°	2753.4	2479.8	2215.3	1955.2	1706.9	1479.6	1268.2	1071.6	893.5	727.1	587.0
-17.5°	2548.0	2296.4	2056.9	1821.6	1602.9	1397.5	1203.6	1023.8	856.7	702.1	568.8
-20°	2360.4	2125.1	1895.5	1686.5	1497.9	1313.0	1137.6	974.0	818.3	675.7	550.4



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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°	2173.5	1967.0	1759.7	1560.8	1394.9	1226.7	1070.6	922.7	778.7	648.2	530.7
-25°	1987.3	1809.8	1627.1	1456.4	1295.2	1146.5	1005.9	870.2	738.0	619.7	509.9
-27.5°	1811.9	1656.6	1494.0	1351.8	1208.0	1067.6	943.6	820.4	698.5	590.4	487.9
-30°	1644.5	1510.3	1374.5	1249.4	1121.8	998.9	881.1	770.7	662.6	562.1	464.9
-32.5°	1489.9	1365.9	1260.6	1154.3	1042.5	930.6	823.1	721.3	626.5	533.9	443.4
-35°	1346.3	1242.5	1149.9	1062.4	965.9	868.7	770.2	672.3	590.3	504.8	422.2
-37.5°	1209.5	1133.1	1053.8	976.0	889.8	808.0	720.2	631.8	554.4	475.0	400.6
-40°	1097.0	1031.8	965.5	894.2	822.3	748.6	670.1	593.5	519.3	444.5	378.6
-42.5°	989.8	939.2	882.0	814.8	759.6	693.7	620.8	554.5	485.5	417.1	356.4
-45°	894.4	851.4	802.7	752.4	699.5	639.3	577.2	515.2	451.6	391.4	334.8
-47.5°	804.5	772.6	733.0	690.9	642.1	587.1	533.3	477.7	417.6	365.6	314.1
-50°	728.8	701.3	669.5	631.3	585.8	539.2	490.1	440.4	389.2	340.2	293.0
-52.5°	663.1	636.8	608.4	573.2	534.5	491.3	450.2	403.7	360.2	315.6	271.6
-55°	601.4	575.7	549.6	519.5	484.7	448.7	410.8	371.3	330.7	291.0	250.1
-57.5°	543.1	518.0	495.7	468.7	439.5	408.0	373.9	338.4	302.5	266.1	231.0
-60°	487.1	466.7	444.6	422.4	397.0	368.4	337.8	306.0	274.4	241.5	211.6
-62.5°	435.6	417.2	398.9	378.8	355.4	329.6	302.1	275.0	246.0	219.3	192.0
-65°	387.2	372.1	354.7	335.6	314.3	291.7	268.5	243.7	220.4	196.9	172.3
-67.5°	341.1	327.0	310.1	292.5	275.6	256.7	235.0	215.2	195.4	174.3	152.8
-70°	296.0	282.3	268.2	254.8	239.6	222.3	205.0	187.7	170.2	152.6	133.2
-72.5°	252.5	241.8	230.5	218.3	205.1	190.9	175.6	160.6	146.6	130.8	113.4
-75°	210.2	202.0	193.2	183.3	171.8	159.5	147.7	135.5	123.0	109.0	96.0
-77.5°	169.6	163.2	156.2	149.1	140.3	130.9	120.8	110.4	100.2	90.1	79.2
-80°	131.3	127.2	122.5	117.0	109.8	102.1	94.9	87.5	79.7	71.3	62.4
-82.5°	95.8	92.9	89.7	85.8	80.9	75.9	70.6	65.2	59.1	52.5	46.1
-85°	63.3	61.1	58.5	55.6	52.6	49.5	46.5	43.2	39.1	35.0	30.8
-87.5°	31.4	30.2	28.8	27.4	26.1	24.7	23.2	21.6	19.6	17.5	15.4
-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°	12.4	10.4	8.4	6.4	4.3	2.1	0.0
85°	24.7	20.9	16.9	12.8	8.6	4.2	0.0
82.5°	37.0	31.2	25.3	19.2	12.9	6.3	0.0
80°	50.4	41.6	33.6	25.5	17.2	8.4	0.0
77.5°	71.5	54.2	41.9	31.8	21.4	10.5	0.0
75°	92.4	71.1	51.1	38.0	25.6	12.6	0.0
72.5°	113.0	87.7	63.9	44.2	29.7	14.6	0.0
70°	133.9	104.0	76.6	50.9	33.8	16.6	0.0
67.5°	159.5	120.0	89.0	59.9	37.7	18.6	0.0
65°	184.4	137.7	101.1	68.8	41.7	20.5	0.0
62.5°	208.5	157.1	112.9	77.4	45.5	22.4	0.0
60°	231.7	175.7	124.4	85.8	49.2	24.3	0.0
57.5°	257.9	193.7	138.1	93.9	54.5	26.1	0.0
55°	283.4	210.8	151.5	101.7	59.6	27.8	0.0
52.5°	307.5	227.7	164.2	109.3	64.6	29.5	0.0
50°	330.2	246.1	176.4	116.5	69.4	31.1	0.0
47.5°	351.8	263.5	187.8	123.8	74.0	32.7	0.0
45°	374.4	279.7	198.7	131.9	78.4	34.2	0.0
42.5°	395.2	294.7	208.8	139.5	82.7	35.7	0.0
40°	414.1	308.5	219.0	146.7	86.7	37.0	0.0
37.5°	431.2	321.0	229.3	153.6	90.5	38.3	0.0
35°	446.5	333.5	238.7	160.0	94.0	39.6	0.0
32.5°	461.1	345.3	247.2	166.0	97.4	40.7	0.0
30°	476.9	355.6	254.7	171.5	100.5	41.8	0.0
27.5°	490.5	364.4	261.9	176.5	103.3	42.7	0.0
25°	501.9	371.9	268.2	181.1	106.0	43.6	0.0
22.5°	511.3	378.4	273.7	185.1	108.3	44.5	0.0
20°	518.6	384.8	278.2	188.7	110.4	45.2	0.0
17.5°	525.1	390.2	281.9	191.8	112.3	45.8	0.0
15°	530.4	394.4	284.7	194.4	113.9	46.4	0.0
12.5°	533.7	397.4	286.7	196.5	115.2	46.8	0.0
10°	535.0	399.4	287.9	198.1	116.3	47.2	0.0
7.5°	534.4	400.2	288.3	199.2	117.0	47.5	0.0
5°	532.0	399.9	288.0	199.9	117.6	47.7	0.0
2.5°	527.9	398.5	286.9	200.0	117.8	47.8	0.0
0°	522.3	396.0	285.1	199.7	117.8	47.8	0.0
-2.5°	516.3	392.3	283.7	198.8	117.5	47.9	0.0
-5°	508.9	387.5	281.7	197.4	117.0	47.8	0.0
-7.5°	500.2	381.8	279.0	195.6	116.2	47.7	0.0
-10°	490.1	375.2	275.7	193.4	115.1	47.5	0.0
-12.5°	478.9	367.8	271.8	190.7	113.8	47.2	0.0
-15°	466.5	359.7	267.2	187.6	112.3	46.8	0.0
-17.5°	453.0	350.9	262.1	184.1	110.5	46.3	0.0
-20°	439.0	341.4	256.3	180.2	108.5	45.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	425.0	331.4	250.0	175.9	106.3	45.1	0.0
-25°	410.2	321.4	243.2	171.3	103.9	44.3	0.0
-27.5°	394.6	311.0	235.8	166.3	101.3	43.4	0.0
-30°	378.3	299.9	227.9	161.0	98.4	42.5	0.0
-32.5°	361.3	288.2	219.7	155.4	95.4	41.5	0.0
-35°	345.5	275.9	211.1	149.5	92.2	40.3	0.0
-37.5°	329.9	263.5	202.1	143.3	88.9	39.1	0.0
-40°	313.6	251.6	192.7	136.8	85.4	37.9	0.0
-42.5°	296.9	239.3	183.4	130.0	81.7	36.5	0.0
-45°	279.6	226.6	174.1	123.1	77.9	35.1	0.0
-47.5°	261.9	213.6	164.5	115.9	73.9	33.6	0.0
-50°	245.6	200.3	154.5	109.4	69.8	32.0	0.0
-52.5°	229.4	186.6	144.3	103.1	65.5	30.3	0.0
-55°	212.9	173.4	133.8	96.5	61.2	28.6	0.0
-57.5°	196.2	160.0	123.0	89.8	56.7	26.8	0.0
-60°	179.4	146.3	112.0	82.9	52.2	25.0	0.0
-62.5°	162.9	132.4	102.7	75.9	48.3	23.1	0.0
-65°	146.1	118.2	93.3	68.7	44.3	21.2	0.0
-67.5°	129.1	105.1	83.6	61.4	40.1	19.2	0.0
-70°	111.9	93.0	73.9	54.0	35.9	17.2	0.0
-72.5°	97.1	80.8	63.9	47.3	31.6	15.1	0.0
-75°	82.5	68.5	53.9	40.7	27.3	13.0	0.0
-77.5°	67.8	56.0	44.9	34.0	22.8	10.9	0.0
-80°	53.0	44.5	36.0	27.3	18.3	8.7	0.0
-82.5°	39.7	33.4	27.0	20.5	13.8	6.6	0.0
-85°	26.5	22.3	18.1	13.7	9.2	4.4	0.0
-87.5°	13.2	11.2	9.0	6.8	4.6	2.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)