

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: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645453 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4B-727-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

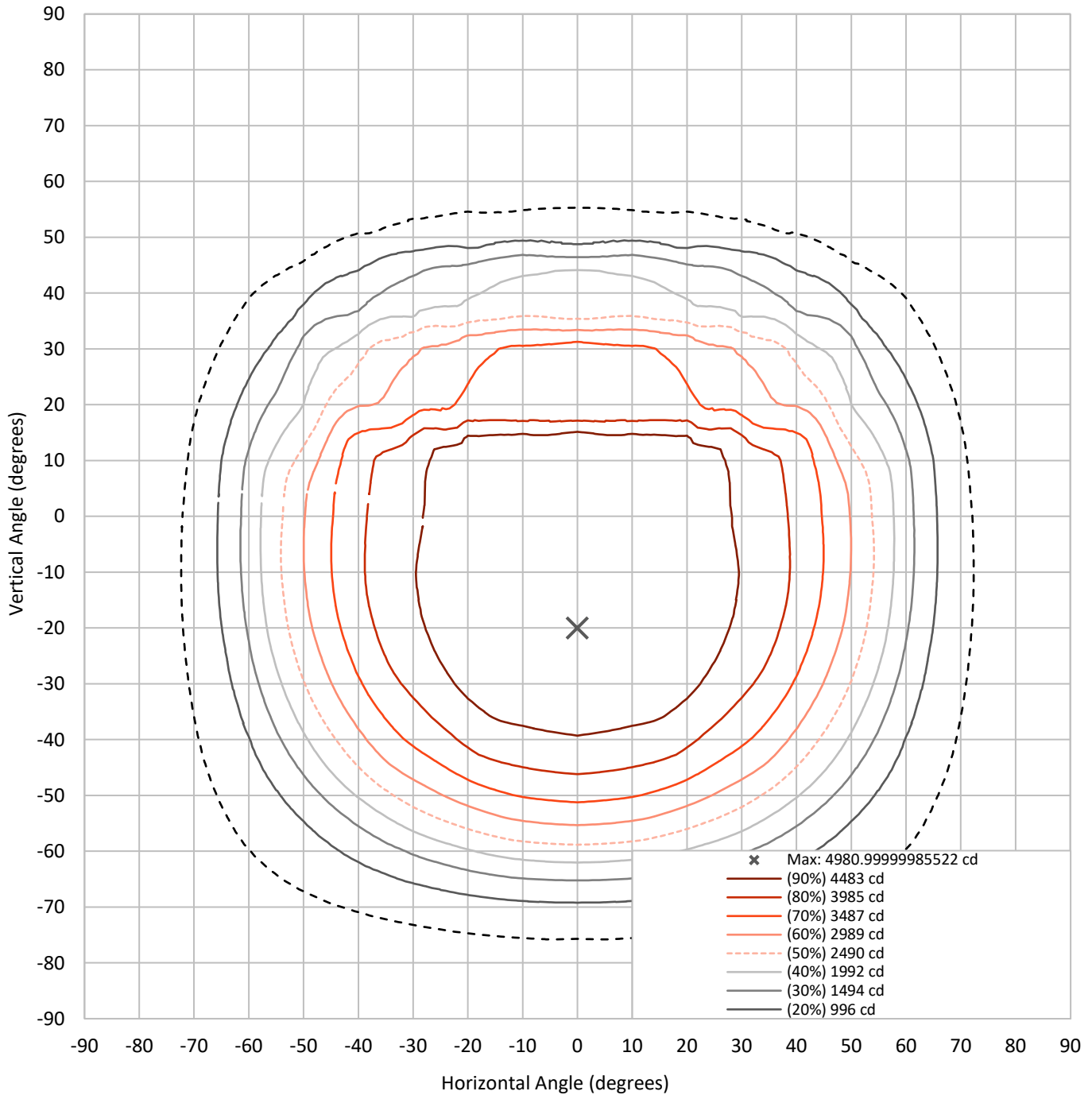
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	11679.5 lumens	Max Intensity:	4981 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	90.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	9130.3 lumens	Field Lumens:	11447.5 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	129.5		
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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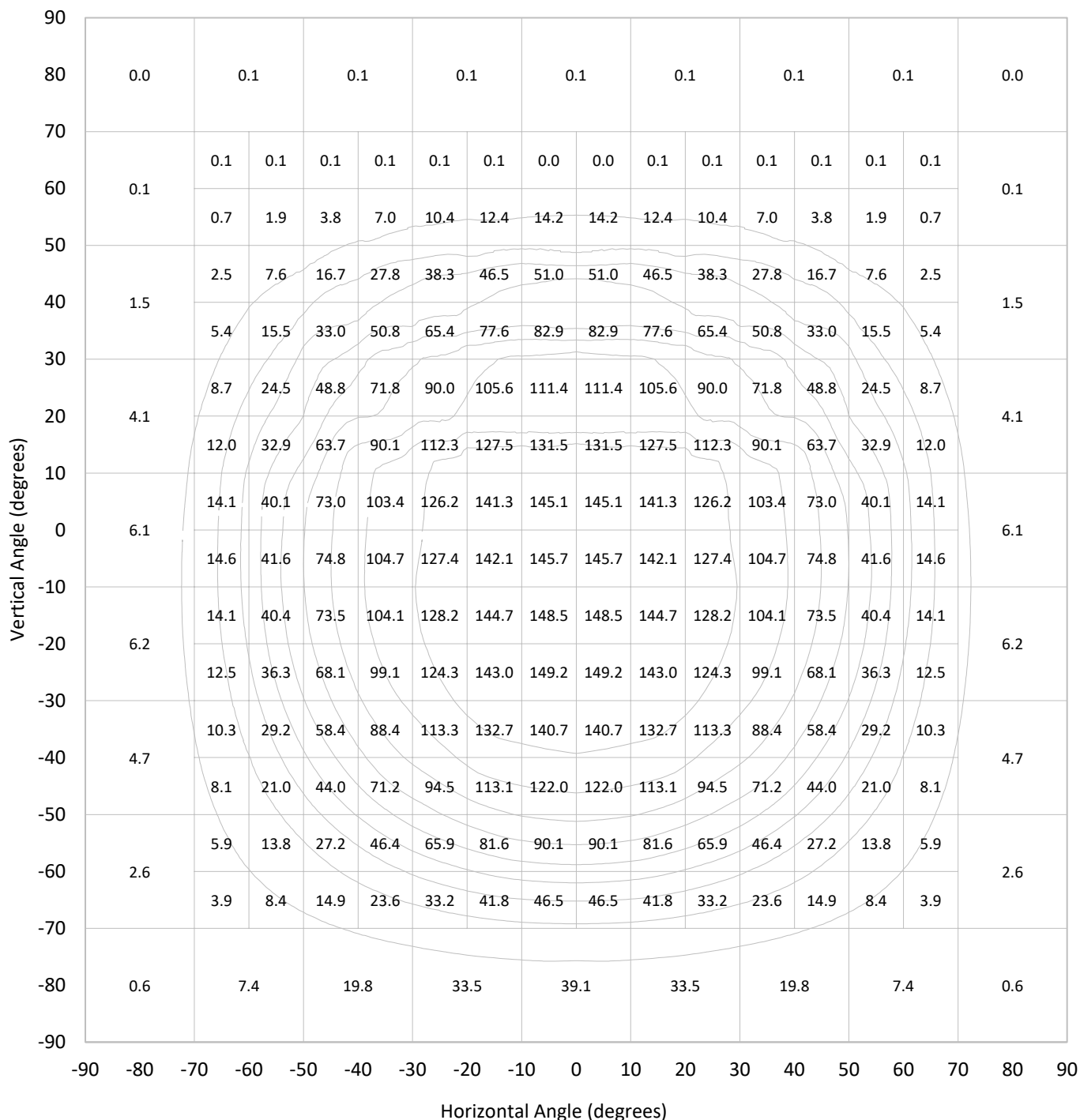
Iso-Candela Plot





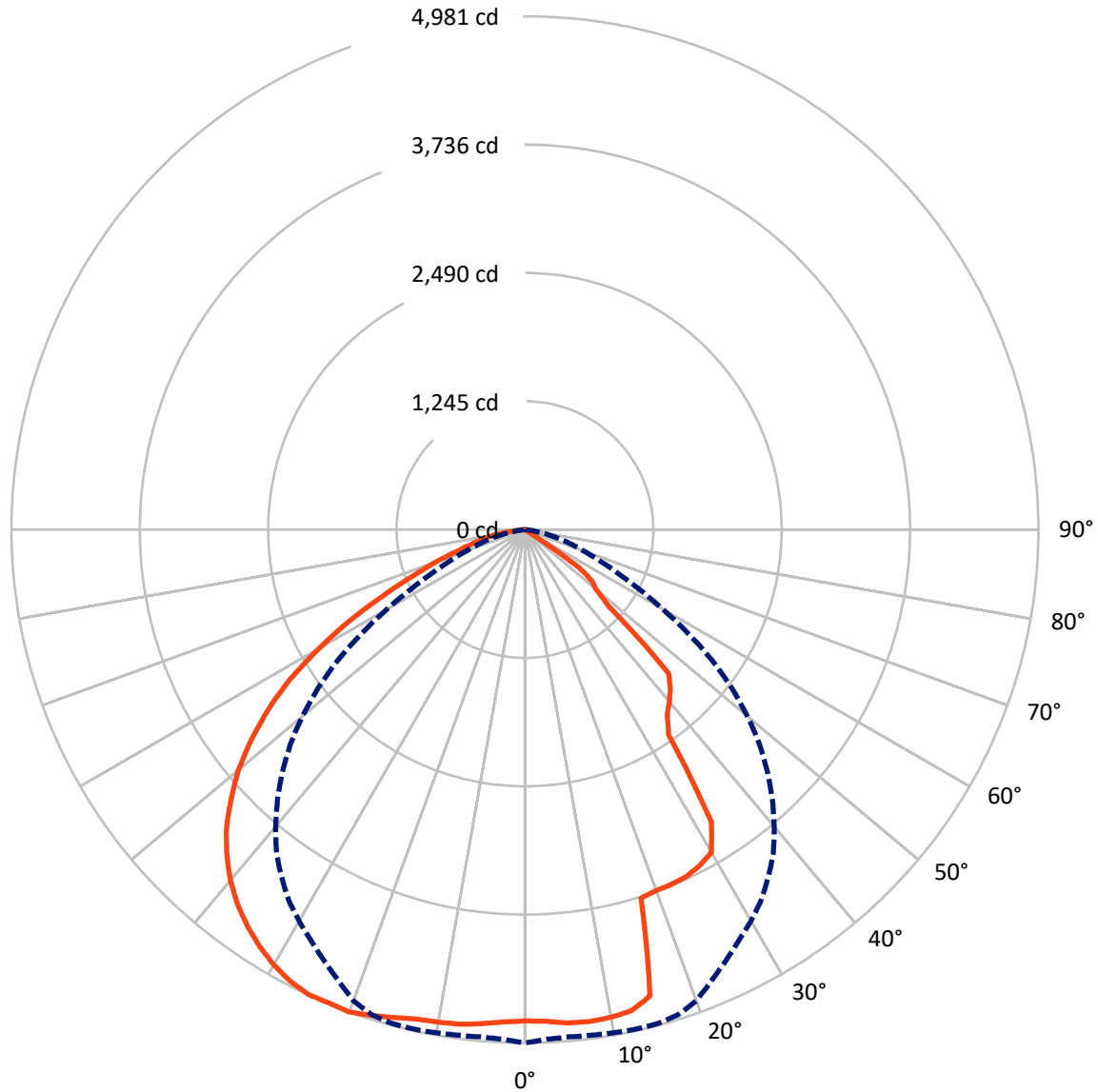
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Lumen Table



REPORT NUMBER: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

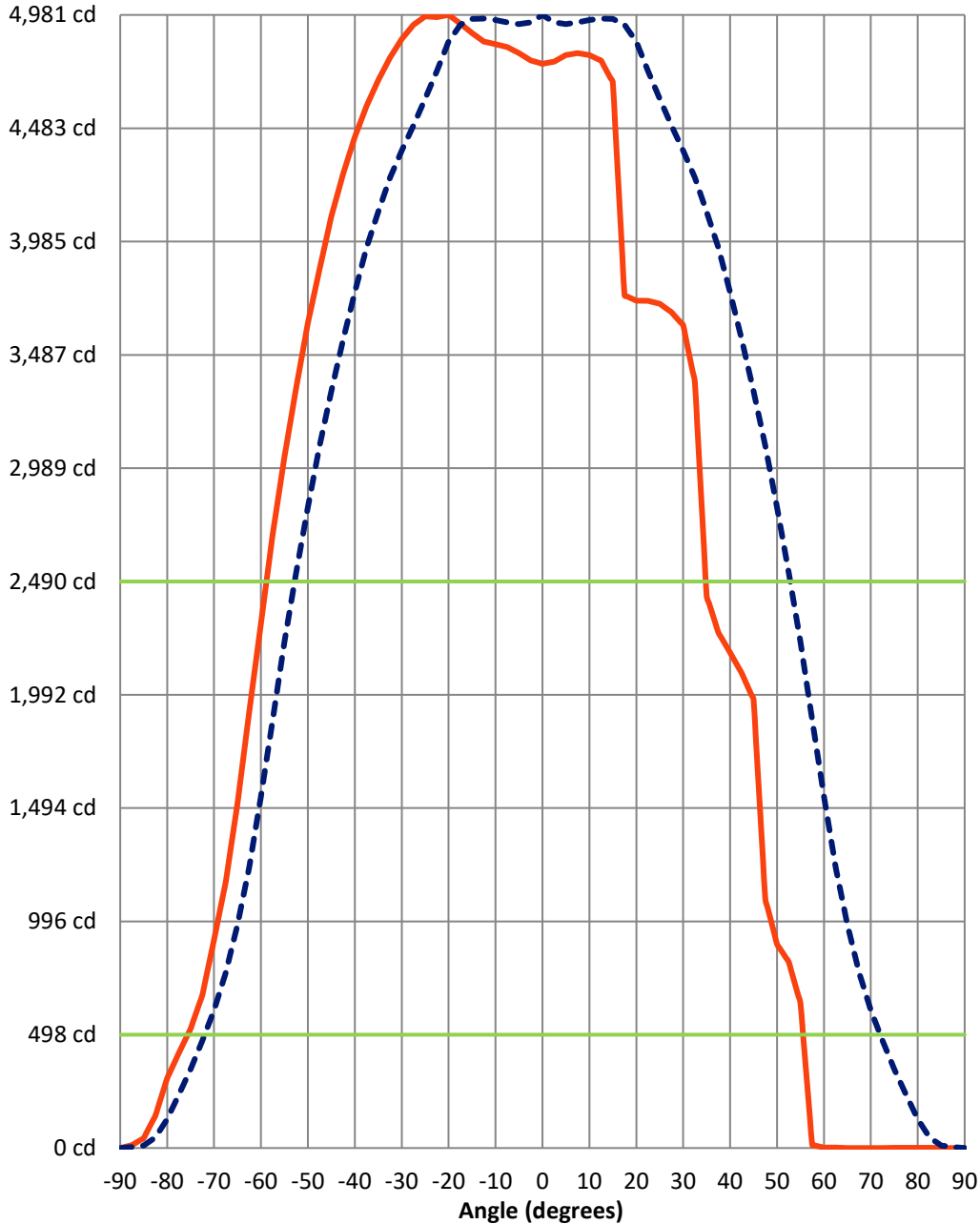


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 9130.3
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 11447.5
 Efficiency: 98.0%

Spill:
 Lumens: 232
 Efficiency: 2.0%

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

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Scaled Data Report



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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	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.5	0.5	0.5
85°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.1	1.1	1.0	0.9
82.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.6	1.4	1.1
80°	0.0	0.5	0.7	1.1	1.5	1.8	2.1	1.9	1.6	1.4	1.1
77.5°	0.0	0.6	0.9	1.4	1.8	2.1	2.1	1.9	1.6	1.4	1.2
75°	0.0	0.7	1.1	1.6	2.1	2.2	2.1	1.9	1.7	1.4	1.2
72.5°	0.0	0.8	1.3	1.9	2.2	2.3	2.2	1.9	1.7	1.4	1.2
70°	0.0	0.9	1.5	2.1	2.3	2.3	2.2	1.9	1.7	1.5	1.7
67.5°	0.0	1.0	1.7	2.2	2.4	2.4	2.5	2.0	1.8	2.4	2.4
65°	0.0	1.1	1.9	2.3	2.5	2.8	2.8	2.0	2.8	3.3	4.2
62.5°	0.0	1.3	2.1	2.5	2.7	3.5	3.3	2.8	3.9	5.8	9.2
60°	0.0	1.4	2.2	2.6	2.8	4.3	3.9	4.0	5.1	14.7	16.0
57.5°	0.0	1.5	2.4	2.7	3.6	5.1	7.3	5.7	14.5	25.1	29.1
55°	0.0	1.6	2.5	2.8	4.5	6.0	11.6	9.2	26.8	38.7	47.2
52.5°	0.0	1.7	2.6	2.9	5.4	7.7	16.6	23.3	40.2	60.7	68.4
50°	0.0	1.8	2.7	3.0	6.4	13.2	22.4	39.4	57.5	85.2	106.9
47.5°	0.0	1.9	2.9	3.3	7.4	19.1	30.2	56.2	82.9	112.2	146.2
45°	0.0	2.0	3.0	4.1	8.5	25.4	45.5	73.8	111.3	146.3	184.4
42.5°	0.0	2.1	3.1	5.0	9.6	32.1	61.2	96.1	140.2	179.5	228.4
40°	0.0	2.2	3.3	6.0	12.9	39.2	77.3	121.6	170.0	212.0	275.5
37.5°	0.0	2.3	3.4	7.3	18.4	46.6	93.6	147.0	201.2	251.1	324.7
35°	0.0	2.4	3.5	8.7	24.1	57.9	110.3	172.5	233.0	299.2	382.8
32.5°	0.0	2.4	3.7	10.2	29.8	71.0	128.3	197.9	265.1	347.5	453.5
30°	0.0	2.5	3.8	11.9	35.5	84.0	148.9	223.5	297.5	395.9	521.4
27.5°	0.0	2.6	4.0	13.7	42.6	96.9	169.1	250.2	333.1	444.2	586.2
25°	0.0	2.7	4.1	15.6	49.9	109.5	188.8	276.5	373.3	497.0	648.0
22.5°	0.0	2.8	4.2	17.6	57.2	122.4	208.0	302.5	412.6	549.8	710.6
20°	0.0	2.8	4.4	19.6	64.3	136.3	226.5	327.9	451.0	599.5	771.6
17.5°	0.0	2.9	4.5	21.7	71.4	149.7	244.8	352.6	488.1	646.3	830.7
15°	0.0	3.0	4.6	23.8	78.3	162.5	262.4	375.5	523.8	689.8	887.5
12.5°	0.0	3.0	4.8	25.8	85.0	174.8	278.8	396.0	552.2	730.2	941.6
10°	0.0	3.1	4.9	27.9	91.3	186.4	294.1	414.9	573.5	754.4	985.6
7.5°	0.0	3.1	5.0	29.8	97.4	197.2	308.1	432.0	591.6	773.2	1011.3
5°	0.0	3.1	5.1	31.7	103.0	207.2	320.9	447.5	606.6	788.3	1032.2
2.5°	0.0	3.2	5.2	33.5	108.1	216.3	332.3	461.2	618.9	799.9	1048.2
0°	0.0	3.2	5.3	35.1	112.7	224.4	342.4	473.2	628.5	808.2	1059.2
-2.5°	0.0	3.4	6.1	37.4	117.0	229.5	347.4	480.2	631.9	818.6	1066.3
-5°	0.0	3.6	7.0	39.5	120.6	233.5	351.1	485.3	633.1	825.4	1068.6
-7.5°	0.0	3.7	7.8	41.4	123.6	236.5	353.4	488.5	632.2	828.2	1066.2
-10°	0.0	3.9	8.5	43.0	125.9	238.3	354.5	489.7	629.5	826.5	1059.4
-12.5°	0.0	4.0	9.3	44.4	127.4	239.0	354.3	488.9	625.2	819.9	1047.8
-15°	0.0	4.2	9.9	45.4	128.1	238.7	352.9	486.0	620.2	806.9	1030.9
-17.5°	0.0	4.3	10.6	46.2	128.0	237.3	350.4	480.2	614.2	790.6	1009.0
-20°	0.0	4.4	11.2	46.7	127.1	234.7	346.3	471.8	605.6	771.3	981.9



REPORT NUMBER: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.5	11.7	46.8	125.3	231.2	340.6	461.8	594.4	748.9	949.8
-25°	0.0	4.5	12.2	46.6	122.6	225.6	333.4	450.1	580.6	723.8	912.5
-27.5°	0.0	4.6	12.6	46.1	119.0	218.7	324.9	436.8	564.1	699.5	879.5
-30°	0.0	4.6	12.9	45.1	114.6	210.8	315.1	422.1	546.2	678.9	844.3
-32.5°	0.0	4.6	13.2	43.8	109.4	202.0	304.0	408.4	527.1	655.1	806.7
-35°	0.0	4.6	13.3	42.1	103.6	192.2	292.0	394.0	506.4	628.2	766.7
-37.5°	0.0	4.6	13.4	40.0	97.2	182.4	279.1	378.1	484.3	598.1	727.3
-40°	0.0	4.5	13.4	37.5	90.2	173.6	265.1	360.7	460.8	569.6	688.3
-42.5°	0.0	4.5	13.4	34.8	85.0	164.1	250.3	341.8	438.1	539.6	646.3
-45°	0.0	4.4	13.2	32.1	81.4	154.0	234.4	322.3	414.8	507.5	602.8
-47.5°	0.0	4.3	13.0	29.0	77.1	143.3	217.7	302.8	389.9	473.9	565.2
-50°	0.0	4.1	12.7	28.0	72.3	132.1	203.7	282.3	362.3	443.0	525.8
-52.5°	0.0	4.0	12.2	27.4	66.8	120.3	189.7	260.9	336.0	411.3	485.4
-55°	0.0	3.8	11.8	26.5	60.7	111.4	175.2	239.2	309.5	378.6	449.6
-57.5°	0.0	3.6	11.2	25.4	54.0	102.3	160.1	222.0	282.1	347.3	412.9
-60°	0.0	3.4	10.6	23.9	47.0	92.4	144.8	203.0	254.7	315.7	376.3
-62.5°	0.0	3.2	9.9	22.2	43.6	81.7	130.8	182.3	229.4	283.2	340.4
-65°	0.0	3.0	9.2	20.3	39.8	70.3	115.9	160.8	202.6	250.6	303.6
-67.5°	0.0	2.7	8.5	18.1	35.6	60.8	99.9	139.5	174.4	216.6	264.0
-70°	0.0	2.5	7.6	15.7	30.9	53.2	83.1	117.7	149.0	181.0	221.8
-72.5°	0.0	2.2	6.8	13.8	26.0	45.0	70.3	95.4	123.3	151.5	180.2
-75°	0.0	1.9	5.9	12.0	20.7	36.4	57.5	76.9	97.0	121.7	146.6
-77.5°	0.0	1.6	5.0	10.1	17.1	27.3	44.0	59.4	75.5	92.8	112.6
-80°	0.0	1.3	4.0	8.2	13.8	20.8	30.0	41.7	54.1	67.5	81.9
-82.5°	0.0	1.0	3.0	6.2	10.4	15.7	22.1	26.7	32.3	41.8	52.0
-85°	0.0	0.6	2.0	4.1	7.0	10.5	14.8	17.9	21.1	24.4	27.8
-87.5°	0.0	0.3	1.0	2.1	3.5	5.3	7.4	8.9	10.5	12.2	13.9
-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: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-727-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°	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9
85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.3	1.4	1.4	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.7	1.7	1.5	1.3	1.1	1.2	1.2	1.2	1.1	1.1	1.1
67.5°	2.0	1.8	1.6	1.5	1.5	1.6	1.6	1.3	1.1	1.1	1.1
65°	2.1	1.8	2.7	3.0	2.2	1.9	1.6	1.4	1.5	1.5	1.5
62.5°	3.1	4.0	5.1	9.0	6.7	1.9	3.5	4.1	3.0	2.5	2.7
60°	10.4	7.1	21.0	30.0	18.7	6.9	8.4	27.8	24.1	4.5	15.0
57.5°	21.8	30.0	55.2	56.2	38.9	26.8	78.0	90.1	68.2	39.8	60.9
55°	48.1	73.9	91.5	84.7	92.5	140.1	166.5	149.5	125.9	193.7	247.5
52.5°	93.9	120.2	126.2	144.9	207.4	238.3	228.4	244.2	316.8	393.4	410.0
50°	138.6	160.2	176.9	255.9	304.8	307.9	330.6	402.5	499.2	546.0	534.7
47.5°	181.9	204.2	282.3	358.2	380.2	410.3	467.1	605.7	708.1	710.1	698.6
45°	227.6	287.2	386.9	436.4	472.1	530.3	667.5	858.7	868.6	896.4	1067.3
42.5°	276.5	380.9	467.9	519.4	577.0	685.7	868.7	994.2	1037.3	1158.9	1296.4
40°	355.7	471.4	547.5	613.2	687.3	845.8	1046.3	1163.9	1198.9	1304.2	1407.6
37.5°	436.1	547.0	632.2	711.6	814.2	1028.2	1260.2	1357.1	1374.8	1394.1	1623.0
35°	513.5	624.5	726.6	830.4	956.3	1264.3	1467.1	1558.2	1555.4	1685.4	1925.1
32.5°	585.8	703.8	824.2	963.0	1170.8	1486.4	1689.2	1743.8	1826.5	2015.7	2342.9
30°	658.1	792.2	930.5	1095.9	1359.0	1632.6	1864.1	1951.9	2093.7	2309.6	2547.7
27.5°	732.5	882.8	1050.0	1243.9	1507.6	1759.0	1956.8	2166.6	2304.4	2497.8	2667.2
25°	806.6	978.8	1168.1	1373.2	1613.8	1848.1	2052.7	2295.0	2442.9	2598.8	2756.9
22.5°	884.3	1076.1	1289.9	1475.7	1703.3	1923.9	2167.4	2430.2	2622.6	2721.6	2827.7
20°	965.6	1181.3	1409.4	1615.3	1791.7	1994.2	2282.5	2601.9	2850.2	2961.7	2976.3
17.5°	1045.7	1283.3	1528.5	1751.4	1941.7	2121.9	2403.5	2807.5	3116.4	3220.0	3266.1
15°	1123.8	1381.4	1647.0	1883.9	2092.7	2313.2	2613.8	3024.7	3377.8	3492.5	3565.1
12.5°	1199.1	1475.0	1763.6	2012.0	2243.9	2491.3	2804.9	3181.0	3503.3	3725.2	3858.3
10°	1271.0	1563.3	1876.7	2135.0	2393.4	2656.4	2962.9	3297.4	3559.8	3773.8	3962.7
7.5°	1307.2	1621.0	1973.9	2252.0	2539.2	2809.0	3092.4	3379.5	3600.4	3810.4	3993.1
5°	1331.9	1644.7	2004.3	2292.8	2616.6	2910.8	3185.9	3433.4	3627.0	3835.0	4013.5
2.5°	1349.5	1660.1	2024.9	2315.2	2645.6	2942.1	3212.9	3451.4	3648.9	3852.7	4035.5
0°	1360.1	1667.4	2035.4	2328.9	2663.8	2962.7	3228.5	3458.2	3663.4	3861.2	4058.0
-2.5°	1366.1	1689.7	2042.4	2364.2	2681.4	2980.4	3250.4	3474.6	3689.1	3877.3	4074.6
-5°	1365.4	1703.0	2040.5	2387.9	2689.8	2987.3	3261.4	3482.0	3703.0	3889.3	4081.3
-7.5°	1358.0	1706.1	2031.3	2395.3	2690.2	2985.0	3256.6	3485.6	3702.8	3900.4	4081.9
-10°	1344.8	1694.1	2022.8	2376.1	2679.9	2972.9	3241.9	3477.8	3694.1	3898.2	4078.4
-12.5°	1329.2	1669.2	2005.1	2348.4	2658.9	2950.3	3219.5	3457.9	3678.0	3881.5	4070.2
-15°	1305.8	1636.2	1976.0	2313.3	2627.0	2917.4	3190.5	3425.4	3653.0	3852.3	4046.1
-17.5°	1274.3	1595.2	1935.0	2271.6	2584.0	2874.5	3153.4	3382.5	3609.0	3814.9	4001.9
-20°	1234.7	1546.6	1881.7	2224.1	2529.4	2816.8	3087.0	3326.9	3552.0	3761.5	3958.0



REPORT NUMBER: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1186.8	1490.8	1817.6	2160.2	2461.3	2745.5	3012.5	3256.2	3489.4	3692.0	3901.4
-25°	1138.9	1431.8	1746.7	2071.6	2382.2	2665.1	2932.9	3170.4	3408.7	3619.5	3818.4
-27.5°	1092.9	1363.4	1664.5	1974.1	2292.5	2574.1	2839.5	3077.2	3308.6	3539.0	3730.5
-30°	1041.3	1284.2	1574.3	1870.1	2180.4	2467.1	2734.5	2981.1	3201.3	3428.8	3634.5
-32.5°	984.4	1200.2	1479.0	1763.6	2056.2	2349.2	2614.2	2859.1	3088.2	3303.4	3519.2
-35°	928.8	1132.3	1378.1	1649.2	1924.6	2212.1	2477.2	2719.8	2957.5	3170.7	3377.0
-37.5°	878.8	1058.9	1270.8	1529.8	1793.0	2064.9	2334.5	2569.4	2795.6	3030.0	3231.1
-40°	824.6	980.0	1177.9	1406.8	1654.9	1913.5	2171.6	2414.5	2627.3	2858.9	3080.0
-42.5°	767.9	915.8	1086.2	1276.6	1510.8	1754.6	2003.8	2241.4	2462.3	2680.8	2900.0
-45°	718.3	847.8	992.9	1166.9	1357.6	1586.9	1822.8	2059.7	2271.6	2479.9	2696.4
-47.5°	665.5	779.4	913.7	1052.6	1218.3	1410.1	1631.9	1850.4	2067.4	2265.5	2457.1
-50°	612.9	717.9	828.2	953.3	1090.0	1245.5	1429.7	1632.8	1831.0	2034.4	2224.2
-52.5°	567.5	653.2	752.8	857.2	974.3	1102.9	1250.5	1417.3	1597.6	1770.2	1959.6
-55°	520.4	597.7	678.1	770.0	867.5	976.0	1097.0	1237.2	1374.8	1534.4	1689.0
-57.5°	477.5	542.6	611.3	687.2	771.8	858.7	964.4	1073.5	1198.3	1322.4	1444.8
-60°	437.1	490.3	548.5	612.8	680.8	758.1	837.1	930.7	1031.3	1130.3	1234.1
-62.5°	396.3	441.1	488.5	541.9	601.2	659.6	727.0	799.2	873.2	957.1	1039.0
-65°	354.4	390.6	430.8	475.1	522.3	572.1	623.9	677.4	740.3	801.8	861.4
-67.5°	309.8	340.8	373.4	408.2	447.9	487.0	526.0	571.1	617.5	663.0	710.2
-70°	260.5	289.7	316.8	345.1	374.6	405.2	438.5	471.6	504.3	538.4	576.3
-72.5°	210.3	237.2	261.0	281.9	306.2	331.6	355.9	379.1	403.8	429.7	455.4
-75°	167.7	185.5	206.8	226.3	245.5	263.4	279.5	299.2	319.8	338.6	354.1
-77.5°	130.9	147.1	161.6	174.7	190.0	208.0	223.6	237.0	250.1	264.4	279.5
-80°	95.3	108.7	121.9	134.0	142.8	153.0	165.0	178.7	190.6	200.3	209.1
-82.5°	61.5	71.2	81.1	91.1	95.2	98.0	100.6	105.4	112.7	120.0	127.0
-85°	30.7	33.5	39.5	45.6	47.8	49.3	50.3	50.9	53.4	55.7	57.7
-87.5°	15.3	16.7	18.1	19.5	18.8	17.8	16.6	15.1	14.7	14.3	13.8
-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°	0.9	0.9	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.8	0.5
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.7
65°	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.2	1.0	0.7
62.5°	2.7	3.0	2.4	2.3	2.3	2.2	2.1	2.0	1.9	1.8	1.8
60°	16.7	9.9	5.8	6.7	6.0	4.0	5.1	6.0	6.0	5.5	4.9
57.5°	92.4	69.0	51.1	122.0	122.4	58.4	70.4	110.6	91.1	29.9	27.8
55°	257.2	307.6	404.8	384.5	390.7	449.4	490.7	434.4	425.9	453.8	524.2
52.5°	462.0	510.0	542.7	573.3	610.6	650.6	691.8	718.0	742.6	768.7	784.3
50°	589.9	657.7	704.2	687.0	783.4	822.8	782.8	818.6	862.2	874.2	879.8
47.5°	871.1	970.4	990.1	1054.1	1111.6	1110.3	1061.5	1064.4	1194.3	1308.9	1365.2
45°	1251.8	1255.2	1317.7	1430.6	1511.4	1486.0	1554.1	1709.1	1760.7	1810.6	1851.5
42.5°	1400.2	1461.7	1561.3	1661.2	1721.4	1773.6	1824.1	1881.1	1948.1	2002.4	2045.7
40°	1543.8	1593.3	1695.4	1775.8	1825.8	1874.5	1933.3	1996.4	2057.6	2105.4	2137.9
37.5°	1764.9	1803.3	1828.1	1902.9	1997.2	1953.6	2065.2	2145.2	2181.8	2230.2	2234.6
35°	2099.4	2073.8	2040.7	2338.1	2355.8	2255.4	2359.8	2483.8	2418.5	2554.6	2627.8
32.5°	2395.9	2392.1	2651.6	2807.9	2717.9	2791.4	3031.9	3021.3	3181.5	3255.9	3234.7
30°	2675.3	2770.6	2920.7	3037.1	3052.7	3168.4	3275.2	3368.8	3465.6	3552.4	3558.3
27.5°	2817.1	2941.5	3043.4	3110.7	3185.9	3283.3	3380.2	3485.6	3567.9	3622.3	3635.6
25°	2902.9	3030.0	3107.1	3179.6	3262.6	3346.6	3455.2	3569.9	3636.0	3669.6	3680.3
22.5°	2978.5	3092.7	3175.7	3234.5	3323.8	3414.2	3515.4	3612.5	3684.3	3699.0	3704.4
20°	3051.4	3161.1	3299.5	3386.1	3381.8	3483.7	3581.2	3658.5	3718.3	3718.0	3719.4
17.5°	3262.0	3301.1	3552.4	3743.3	3648.8	3599.0	3867.1	3872.2	3888.1	3856.4	3787.8
15°	3573.8	3645.1	3953.9	4160.7	4095.6	4092.2	4479.5	4383.4	4466.0	4444.4	4537.5
12.5°	3904.1	3988.5	4219.2	4422.4	4519.2	4543.0	4672.3	4793.5	4818.4	4808.6	4790.3
10°	4129.1	4249.3	4342.0	4465.3	4563.0	4662.6	4737.5	4824.5	4853.0	4836.5	4813.2
7.5°	4158.4	4277.2	4386.0	4494.2	4587.2	4667.5	4745.2	4816.1	4845.1	4835.5	4819.5
5°	4177.0	4284.7	4390.2	4499.9	4588.8	4663.2	4740.7	4812.5	4829.6	4818.1	4802.5
2.5°	4188.5	4288.1	4389.8	4499.1	4579.9	4650.7	4729.1	4805.7	4805.5	4800.5	4791.4
0°	4194.1	4294.0	4412.1	4511.0	4601.4	4668.4	4746.0	4820.4	4815.1	4801.3	4785.3
-2.5°	4206.0	4307.3	4427.8	4509.7	4611.6	4673.0	4753.3	4817.7	4815.2	4808.4	4800.5
-5°	4216.7	4330.6	4443.3	4529.5	4631.6	4711.9	4791.6	4842.1	4844.7	4835.3	4822.0
-7.5°	4223.2	4349.4	4457.0	4543.6	4642.6	4735.9	4816.8	4869.7	4870.9	4858.3	4842.4
-10°	4221.0	4354.3	4465.0	4554.5	4655.9	4748.0	4832.6	4899.7	4897.5	4885.6	4872.0
-12.5°	4213.0	4346.2	4459.8	4549.6	4664.8	4759.6	4854.8	4921.5	4925.0	4916.0	4901.4
-15°	4195.5	4333.0	4443.5	4541.5	4654.4	4765.3	4863.1	4936.7	4949.9	4942.5	4930.9
-17.5°	4160.8	4305.9	4423.2	4528.8	4637.1	4755.4	4866.5	4947.0	4965.0	4962.0	4952.4
-20°	4115.3	4265.1	4384.1	4494.8	4612.7	4734.4	4863.8	4937.4	4963.4	4965.1	4958.5



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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°	4064.3	4210.9	4337.1	4445.9	4573.8	4697.0	4814.2	4900.3	4944.1	4952.2	4952.8
-25°	4003.0	4153.7	4279.1	4394.9	4513.9	4641.2	4759.5	4855.7	4900.1	4921.3	4927.9
-27.5°	3916.5	4072.2	4195.6	4318.1	4439.1	4570.6	4695.0	4799.5	4835.6	4864.7	4876.4
-30°	3815.2	3969.1	4095.0	4206.9	4345.3	4479.4	4607.8	4699.0	4753.4	4786.8	4805.0
-32.5°	3698.6	3854.0	3986.1	4103.0	4234.5	4368.6	4489.4	4585.6	4660.7	4699.1	4718.6
-35°	3572.2	3730.9	3869.2	3992.3	4116.2	4243.9	4369.1	4469.8	4555.3	4588.3	4612.7
-37.5°	3419.7	3594.8	3736.6	3863.5	3981.2	4101.4	4231.7	4346.8	4429.8	4461.8	4487.6
-40°	3263.4	3432.6	3575.6	3711.0	3827.4	3958.5	4084.1	4204.7	4276.7	4314.1	4343.2
-42.5°	3098.3	3251.1	3387.2	3518.8	3648.3	3783.3	3908.8	4034.2	4096.5	4141.5	4177.2
-45°	2907.8	3050.0	3182.2	3305.3	3438.9	3571.6	3697.2	3808.0	3882.1	3940.8	3986.4
-47.5°	2653.8	2827.0	2959.7	3076.8	3209.2	3337.3	3459.0	3563.1	3644.5	3713.1	3766.1
-50°	2395.8	2562.1	2711.7	2843.3	2966.2	3084.6	3200.4	3302.3	3388.4	3462.7	3516.4
-52.5°	2141.8	2297.5	2446.0	2581.9	2700.0	2811.8	2917.7	3020.2	3111.0	3190.5	3242.4
-55°	1854.7	2016.1	2163.0	2289.6	2407.6	2518.2	2622.8	2720.0	2809.3	2890.2	2940.0
-57.5°	1585.4	1727.0	1863.6	1980.6	2092.0	2197.2	2296.4	2389.5	2475.4	2551.6	2599.6
-60°	1337.9	1441.1	1558.7	1666.7	1765.4	1855.0	1947.6	2034.3	2113.3	2180.2	2225.0
-62.5°	1119.1	1204.6	1289.5	1371.6	1451.7	1532.2	1609.7	1681.7	1747.6	1802.5	1841.7
-65°	924.2	992.9	1054.3	1112.5	1167.9	1231.4	1290.3	1345.7	1397.0	1439.1	1469.0
-67.5°	761.0	809.2	851.7	891.7	935.4	980.3	1022.3	1058.9	1090.3	1115.2	1134.9
-70°	613.7	649.2	681.2	713.1	745.0	774.2	802.0	828.9	854.5	875.4	891.0
-72.5°	480.6	504.9	526.7	551.2	574.2	596.3	615.6	631.1	643.1	654.9	665.1
-75°	366.4	384.6	409.2	430.0	447.2	462.3	476.3	488.7	499.6	509.2	517.7
-77.5°	294.7	310.2	325.8	341.0	355.7	366.6	376.7	386.8	396.8	405.3	412.9
-80°	218.4	230.0	242.1	254.2	266.4	272.4	277.2	281.6	285.6	290.7	295.4
-82.5°	133.5	140.1	146.8	153.6	160.4	162.1	162.7	162.6	161.7	159.8	157.0
-85°	59.4	59.8	59.6	58.9	57.8	55.5	52.6	49.3	45.5	44.9	44.2
-87.5°	13.1	12.8	12.5	12.1	11.6	11.6	11.5	11.4	11.3	11.7	12.1
-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: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.0	1.0
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.7	1.0	1.1	1.1
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.7	1.0	1.2	1.3
62.5°	1.9	2.0	2.1	2.1	2.1	2.0	1.9	1.8	1.8	1.9	2.0
60°	3.8	2.5	2.1	2.1	2.1	2.5	3.8	4.9	5.5	6.0	6.0
57.5°	23.5	17.6	14.9	13.8	14.9	17.6	23.5	27.8	29.9	91.1	110.6
55°	574.7	604.0	625.8	635.9	625.8	604.0	574.7	524.2	453.8	425.9	434.4
52.5°	798.0	810.7	818.0	817.8	818.0	810.7	798.0	784.3	768.7	742.6	718.0
50°	889.4	895.6	897.8	896.5	897.8	895.6	889.4	879.8	874.2	862.2	818.6
47.5°	1313.7	1200.0	1116.4	1096.4	1116.4	1200.0	1313.7	1365.2	1308.9	1194.3	1064.4
45°	1871.1	1914.2	1957.1	1970.5	1957.1	1914.2	1871.1	1851.5	1810.6	1760.7	1709.1
42.5°	2064.1	2078.1	2086.1	2086.4	2086.1	2078.1	2064.1	2045.7	2002.4	1948.1	1881.1
40°	2156.2	2169.4	2177.2	2177.9	2177.2	2169.4	2156.2	2137.9	2105.4	2057.6	1996.4
37.5°	2239.9	2251.1	2258.5	2266.1	2258.5	2251.1	2239.9	2234.6	2230.2	2181.8	2145.2
35°	2617.9	2532.3	2409.1	2427.8	2409.1	2532.3	2617.9	2627.8	2554.6	2418.5	2483.8
32.5°	3267.9	3303.9	3326.3	3364.6	3326.3	3303.9	3267.9	3234.7	3255.9	3181.5	3021.3
30°	3567.8	3579.7	3597.7	3616.6	3597.7	3579.7	3567.8	3558.3	3552.4	3465.6	3368.8
27.5°	3642.6	3655.0	3665.9	3674.1	3665.9	3655.0	3642.6	3635.6	3622.3	3567.9	3485.6
25°	3681.8	3689.5	3701.0	3711.3	3701.0	3689.5	3681.8	3680.3	3669.6	3636.0	3569.9
22.5°	3701.2	3702.0	3711.1	3724.1	3711.1	3702.0	3701.2	3704.4	3699.0	3684.3	3612.5
20°	3714.6	3707.4	3716.8	3725.1	3716.8	3707.4	3714.6	3719.4	3718.0	3718.3	3658.5
17.5°	3884.6	3787.6	3747.7	3748.5	3747.7	3787.6	3884.6	3787.8	3856.4	3888.1	3872.2
15°	4433.0	4469.5	4608.9	4684.3	4608.9	4469.5	4433.0	4537.5	4444.4	4466.0	4383.4
12.5°	4786.9	4774.0	4757.4	4780.0	4757.4	4774.0	4786.9	4790.3	4808.6	4818.4	4793.5
10°	4803.3	4801.9	4772.3	4804.5	4772.3	4801.9	4803.3	4813.2	4836.5	4853.0	4824.5
7.5°	4793.3	4794.2	4781.7	4813.0	4781.7	4794.2	4793.3	4819.5	4835.5	4845.1	4816.1
5°	4799.9	4778.3	4786.5	4804.5	4786.5	4778.3	4799.9	4802.5	4818.1	4829.6	4812.5
2.5°	4781.4	4779.1	4763.2	4775.8	4763.2	4779.1	4781.4	4791.4	4800.5	4805.5	4805.7
0°	4767.3	4755.6	4755.6	4766.2	4755.6	4755.6	4767.3	4785.3	4801.3	4815.1	4820.4
-2.5°	4792.4	4790.0	4788.4	4781.1	4788.4	4790.0	4792.4	4800.5	4808.4	4815.2	4817.7
-5°	4813.1	4806.8	4789.3	4813.0	4789.3	4806.8	4813.1	4822.0	4835.3	4844.7	4842.1
-7.5°	4835.3	4819.2	4802.6	4839.6	4802.6	4819.2	4835.3	4842.4	4858.3	4870.9	4869.7
-10°	4855.6	4832.3	4816.2	4852.3	4816.2	4832.3	4855.6	4872.0	4885.6	4897.5	4899.7
-12.5°	4882.4	4855.2	4844.4	4864.0	4844.4	4855.2	4882.4	4901.4	4916.0	4925.0	4921.5
-15°	4911.1	4892.2	4889.7	4901.2	4889.7	4892.2	4911.1	4930.9	4942.5	4949.9	4936.7
-17.5°	4936.2	4923.0	4929.5	4942.7	4929.5	4923.0	4936.2	4952.4	4962.0	4965.0	4947.0
-20°	4948.2	4940.9	4948.3	4981.0	4948.3	4940.9	4948.2	4958.5	4965.1	4963.4	4937.4



REPORT NUMBER: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-727-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°	4947.2	4947.7	4960.7	4971.4	4960.7	4947.7	4947.2	4952.8	4952.2	4944.1	4900.3
-25°	4928.4	4938.3	4953.2	4974.6	4953.2	4938.3	4928.4	4927.9	4921.3	4900.1	4855.7
-27.5°	4882.9	4899.4	4915.0	4937.4	4915.0	4899.4	4882.9	4876.4	4864.7	4835.6	4799.5
-30°	4817.0	4836.7	4850.6	4874.7	4850.6	4836.7	4817.0	4805.0	4786.8	4753.4	4699.0
-32.5°	4736.9	4759.1	4775.6	4792.8	4775.6	4759.1	4736.9	4718.6	4699.1	4660.7	4585.6
-35°	4636.8	4660.7	4678.3	4693.9	4678.3	4660.7	4636.8	4612.7	4588.3	4555.3	4469.8
-37.5°	4516.4	4542.3	4562.2	4580.1	4562.2	4542.3	4516.4	4487.6	4461.8	4429.8	4346.8
-40°	4376.3	4402.8	4424.1	4444.0	4424.1	4402.8	4376.3	4343.2	4314.1	4276.7	4204.7
-42.5°	4212.4	4239.1	4261.1	4281.3	4261.1	4239.1	4212.4	4177.2	4141.5	4096.5	4034.2
-45°	4023.1	4050.7	4073.9	4095.2	4073.9	4050.7	4023.1	3986.4	3940.8	3882.1	3808.0
-47.5°	3805.2	3834.6	3854.5	3864.4	3854.5	3834.6	3805.2	3766.1	3713.1	3644.5	3563.1
-50°	3555.3	3584.8	3608.6	3626.2	3608.6	3584.8	3555.3	3516.4	3462.7	3388.4	3302.3
-52.5°	3280.3	3308.3	3328.8	3341.2	3328.8	3308.3	3280.3	3242.4	3190.5	3111.0	3020.2
-55°	2979.2	3008.5	3028.0	3037.1	3028.0	3008.5	2979.2	2940.0	2890.2	2809.3	2720.0
-57.5°	2637.6	2665.5	2686.2	2697.9	2686.2	2665.5	2637.6	2599.6	2551.6	2475.4	2389.5
-60°	2259.8	2284.7	2300.4	2306.5	2300.4	2284.7	2259.8	2225.0	2180.2	2113.3	2034.3
-62.5°	1873.3	1896.9	1911.6	1917.3	1911.6	1896.9	1873.3	1841.7	1802.5	1747.6	1681.7
-65°	1491.2	1506.0	1514.2	1515.4	1514.2	1506.0	1491.2	1469.0	1439.1	1397.0	1345.7
-67.5°	1150.4	1161.7	1168.5	1170.8	1168.5	1161.7	1150.4	1134.9	1115.2	1090.3	1058.9
-70°	902.7	910.4	914.8	915.6	914.8	910.4	902.7	891.0	875.4	854.5	828.9
-72.5°	673.0	678.6	676.6	672.1	676.6	678.6	673.0	665.1	654.9	643.1	631.1
-75°	525.0	531.1	528.6	524.3	528.6	531.1	525.0	517.7	509.2	499.6	488.7
-77.5°	419.4	425.0	422.3	417.9	422.3	425.0	419.4	412.9	405.3	396.8	386.8
-80°	299.5	302.8	305.1	306.3	305.1	302.8	299.5	295.4	290.7	285.6	281.6
-82.5°	153.3	148.8	145.9	142.5	145.9	148.8	153.3	157.0	159.8	161.7	162.6
-85°	43.3	42.3	43.0	43.6	43.0	42.3	43.3	44.2	44.9	45.5	49.3
-87.5°	12.4	12.8	12.8	12.8	12.8	12.8	12.4	12.1	11.7	11.3	11.4
-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: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	0.5	0.8	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8
85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.3
65°	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
62.5°	2.1	2.2	2.3	2.3	2.4	3.0	2.7	2.7	2.5	3.0	4.1
60°	5.1	4.0	6.0	6.7	5.8	9.9	16.7	15.0	4.5	24.1	27.8
57.5°	70.4	58.4	122.4	122.0	51.1	69.0	92.4	60.9	39.8	68.2	90.1
55°	490.7	449.4	390.7	384.5	404.8	307.6	257.2	247.5	193.7	125.9	149.5
52.5°	691.8	650.6	610.6	573.3	542.7	510.0	462.0	410.0	393.4	316.8	244.2
50°	782.8	822.8	783.4	687.0	704.2	657.7	589.9	534.7	546.0	499.2	402.5
47.5°	1061.5	1110.3	1111.6	1054.1	990.1	970.4	871.1	698.6	710.1	708.1	605.7
45°	1554.1	1486.0	1511.4	1430.6	1317.7	1255.2	1251.8	1067.3	896.4	868.6	858.7
42.5°	1824.1	1773.6	1721.4	1661.2	1561.3	1461.7	1400.2	1296.4	1158.9	1037.3	994.2
40°	1933.3	1874.5	1825.8	1775.8	1695.4	1593.3	1543.8	1407.6	1304.2	1198.9	1163.9
37.5°	2065.2	1953.6	1997.2	1902.9	1828.1	1803.3	1764.9	1623.0	1394.1	1374.8	1357.1
35°	2359.8	2255.4	2355.8	2338.1	2040.7	2073.8	2099.4	1925.1	1685.4	1555.4	1558.2
32.5°	3031.9	2791.4	2717.9	2807.9	2651.6	2392.1	2395.9	2342.9	2015.7	1826.5	1743.8
30°	3275.2	3168.4	3052.7	3037.1	2920.7	2770.6	2675.3	2547.7	2309.6	2093.7	1951.9
27.5°	3380.2	3283.3	3185.9	3110.7	3043.4	2941.5	2817.1	2667.2	2497.8	2304.4	2166.6
25°	3455.2	3346.6	3262.6	3179.6	3107.1	3030.0	2902.9	2756.9	2598.8	2442.9	2295.0
22.5°	3515.4	3414.2	3323.8	3234.5	3175.7	3092.7	2978.5	2827.7	2721.6	2622.6	2430.2
20°	3581.2	3483.7	3381.8	3386.1	3299.5	3161.1	3051.4	2976.3	2961.7	2850.2	2601.9
17.5°	3867.1	3599.0	3648.8	3743.3	3552.4	3301.1	3262.0	3266.1	3220.0	3116.4	2807.5
15°	4479.5	4092.2	4095.6	4160.7	3953.9	3645.1	3573.8	3565.1	3492.5	3377.8	3024.7
12.5°	4672.3	4543.0	4519.2	4422.4	4219.2	3988.5	3904.1	3858.3	3725.2	3503.3	3181.0
10°	4737.5	4662.6	4563.0	4465.3	4342.0	4249.3	4129.1	3962.7	3773.8	3559.8	3297.4
7.5°	4745.2	4667.5	4587.2	4494.2	4386.0	4277.2	4158.4	3993.1	3810.4	3600.4	3379.5
5°	4740.7	4663.2	4588.8	4499.9	4390.2	4284.7	4177.0	4013.5	3835.0	3627.0	3433.4
2.5°	4729.1	4650.7	4579.9	4499.1	4389.8	4288.1	4188.5	4035.5	3852.7	3648.9	3451.4
0°	4746.0	4668.4	4601.4	4511.0	4412.1	4294.0	4194.1	4058.0	3861.2	3663.4	3458.2
-2.5°	4753.3	4673.0	4611.6	4509.7	4427.8	4307.3	4206.0	4074.6	3877.3	3689.1	3474.6
-5°	4791.6	4711.9	4631.6	4529.5	4443.3	4330.6	4216.7	4081.3	3889.3	3703.0	3482.0
-7.5°	4816.8	4735.9	4642.6	4543.6	4457.0	4349.4	4223.2	4081.9	3900.4	3702.8	3485.6
-10°	4832.6	4748.0	4655.9	4554.5	4465.0	4354.3	4221.0	4078.4	3898.2	3694.1	3477.8
-12.5°	4854.8	4759.6	4664.8	4549.6	4459.8	4346.2	4213.0	4070.2	3881.5	3678.0	3457.9
-15°	4863.1	4765.3	4654.4	4541.5	4443.5	4333.0	4195.5	4046.1	3852.3	3653.0	3425.4
-17.5°	4866.5	4755.4	4637.1	4528.8	4423.2	4305.9	4160.8	4001.9	3814.9	3609.0	3382.5
-20°	4863.8	4734.4	4612.7	4494.8	4384.1	4265.1	4115.3	3958.0	3761.5	3552.0	3326.9



REPORT NUMBER: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-727-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°	4814.2	4697.0	4573.8	4445.9	4337.1	4210.9	4064.3	3901.4	3692.0	3489.4	3256.2
-25°	4759.5	4641.2	4513.9	4394.9	4279.1	4153.7	4003.0	3818.4	3619.5	3408.7	3170.4
-27.5°	4695.0	4570.6	4439.1	4318.1	4195.6	4072.2	3916.5	3730.5	3539.0	3308.6	3077.2
-30°	4607.8	4479.4	4345.3	4206.9	4095.0	3969.1	3815.2	3634.5	3428.8	3201.3	2981.1
-32.5°	4489.4	4368.6	4234.5	4103.0	3986.1	3854.0	3698.6	3519.2	3303.4	3088.2	2859.1
-35°	4369.1	4243.9	4116.2	3992.3	3869.2	3730.9	3572.2	3377.0	3170.7	2957.5	2719.8
-37.5°	4231.7	4101.4	3981.2	3863.5	3736.6	3594.8	3419.7	3231.1	3030.0	2795.6	2569.4
-40°	4084.1	3958.5	3827.4	3711.0	3575.6	3432.6	3263.4	3080.0	2858.9	2627.3	2414.5
-42.5°	3908.8	3783.3	3648.3	3518.8	3387.2	3251.1	3098.3	2900.0	2680.8	2462.3	2241.4
-45°	3697.2	3571.6	3438.9	3305.3	3182.2	3050.0	2907.8	2696.4	2479.9	2271.6	2059.7
-47.5°	3459.0	3337.3	3209.2	3076.8	2959.7	2827.0	2653.8	2457.1	2265.5	2067.4	1850.4
-50°	3200.4	3084.6	2966.2	2843.3	2711.7	2562.1	2395.8	2224.2	2034.4	1831.0	1632.8
-52.5°	2917.7	2811.8	2700.0	2581.9	2446.0	2297.5	2141.8	1959.6	1770.2	1597.6	1417.3
-55°	2622.8	2518.2	2407.6	2289.6	2163.0	2016.1	1854.7	1689.0	1534.4	1374.8	1237.2
-57.5°	2296.4	2197.2	2092.0	1980.6	1863.6	1727.0	1585.4	1444.8	1322.4	1198.3	1073.5
-60°	1947.6	1855.0	1765.4	1666.7	1558.7	1441.1	1337.9	1234.1	1130.3	1031.3	930.7
-62.5°	1609.7	1532.2	1451.7	1371.6	1289.5	1204.6	1119.1	1039.0	957.1	873.2	799.2
-65°	1290.3	1231.4	1167.9	1112.5	1054.3	992.9	924.2	861.4	801.8	740.3	677.4
-67.5°	1022.3	980.3	935.4	891.7	851.7	809.2	761.0	710.2	663.0	617.5	571.1
-70°	802.0	774.2	745.0	713.1	681.2	649.2	613.7	576.3	538.4	504.3	471.6
-72.5°	615.6	596.3	574.2	551.2	526.7	504.9	480.6	455.4	429.7	403.8	379.1
-75°	476.3	462.3	447.2	430.0	409.2	384.6	366.4	354.1	338.6	319.8	299.2
-77.5°	376.7	366.6	355.7	341.0	325.8	310.2	294.7	279.5	264.4	250.1	237.0
-80°	277.2	272.4	266.4	254.2	242.1	230.0	218.4	209.1	200.3	190.6	178.7
-82.5°	162.7	162.1	160.4	153.6	146.8	140.1	133.5	127.0	120.0	112.7	105.4
-85°	52.6	55.5	57.8	58.9	59.6	59.8	59.4	57.7	55.7	53.4	50.9
-87.5°	11.5	11.6	11.6	12.1	12.5	12.8	13.1	13.8	14.3	14.7	15.1
-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: P645453 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-727-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°	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.9	1.0	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.7
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.4	1.6	1.9
75°	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.2	1.4	1.7	1.9
72.5°	1.1	1.1	1.1	1.2	1.4	1.4	1.3	1.2	1.4	1.7	1.9
70°	1.2	1.2	1.1	1.3	1.5	1.7	1.7	1.7	1.5	1.7	1.9
67.5°	1.6	1.6	1.5	1.5	1.6	1.8	2.0	2.4	2.4	1.8	2.0
65°	1.6	1.9	2.2	3.0	2.7	1.8	2.1	4.2	3.3	2.8	2.0
62.5°	3.5	1.9	6.7	9.0	5.1	4.0	3.1	9.2	5.8	3.9	2.8
60°	8.4	6.9	18.7	30.0	21.0	7.1	10.4	16.0	14.7	5.1	4.0
57.5°	78.0	26.8	38.9	56.2	55.2	30.0	21.8	29.1	25.1	14.5	5.7
55°	166.5	140.1	92.5	84.7	91.5	73.9	48.1	47.2	38.7	26.8	9.2
52.5°	228.4	238.3	207.4	144.9	126.2	120.2	93.9	68.4	60.7	40.2	23.3
50°	330.6	307.9	304.8	255.9	176.9	160.2	138.6	106.9	85.2	57.5	39.4
47.5°	467.1	410.3	380.2	358.2	282.3	204.2	181.9	146.2	112.2	82.9	56.2
45°	667.5	530.3	472.1	436.4	386.9	287.2	227.6	184.4	146.3	111.3	73.8
42.5°	868.7	685.7	577.0	519.4	467.9	380.9	276.5	228.4	179.5	140.2	96.1
40°	1046.3	845.8	687.3	613.2	547.5	471.4	355.7	275.5	212.0	170.0	121.6
37.5°	1260.2	1028.2	814.2	711.6	632.2	547.0	436.1	324.7	251.1	201.2	147.0
35°	1467.1	1264.3	956.3	830.4	726.6	624.5	513.5	382.8	299.2	233.0	172.5
32.5°	1689.2	1486.4	1170.8	963.0	824.2	703.8	585.8	453.5	347.5	265.1	197.9
30°	1864.1	1632.6	1359.0	1095.9	930.5	792.2	658.1	521.4	395.9	297.5	223.5
27.5°	1956.8	1759.0	1507.6	1243.9	1050.0	882.8	732.5	586.2	444.2	333.1	250.2
25°	2052.7	1848.1	1613.8	1373.2	1168.1	978.8	806.6	648.0	497.0	373.3	276.5
22.5°	2167.4	1923.9	1703.3	1475.7	1289.9	1076.1	884.3	710.6	549.8	412.6	302.5
20°	2282.5	1994.2	1791.7	1615.3	1409.4	1181.3	965.6	771.6	599.5	451.0	327.9
17.5°	2403.5	2121.9	1941.7	1751.4	1528.5	1283.3	1045.7	830.7	646.3	488.1	352.6
15°	2613.8	2313.2	2092.7	1883.9	1647.0	1381.4	1123.8	887.5	689.8	523.8	375.5
12.5°	2804.9	2491.3	2243.9	2012.0	1763.6	1475.0	1199.1	941.6	730.2	552.2	396.0
10°	2962.9	2656.4	2393.4	2135.0	1876.7	1563.3	1271.0	985.6	754.4	573.5	414.9
7.5°	3092.4	2809.0	2539.2	2252.0	1973.9	1621.0	1307.2	1011.3	773.2	591.6	432.0
5°	3185.9	2910.8	2616.6	2292.8	2004.3	1644.7	1331.9	1032.2	788.3	606.6	447.5
2.5°	3212.9	2942.1	2645.6	2315.2	2024.9	1660.1	1349.5	1048.2	799.9	618.9	461.2
0°	3228.5	2962.7	2663.8	2328.9	2035.4	1667.4	1360.1	1059.2	808.2	628.5	473.2
-2.5°	3250.4	2980.4	2681.4	2364.2	2042.4	1689.7	1366.1	1066.3	818.6	631.9	480.2
-5°	3261.4	2987.3	2689.8	2387.9	2040.5	1703.0	1365.4	1068.6	825.4	633.1	485.3
-7.5°	3256.6	2985.0	2690.2	2395.3	2031.3	1706.1	1358.0	1066.2	828.2	632.2	488.5
-10°	3241.9	2972.9	2679.9	2376.1	2022.8	1694.1	1344.8	1059.4	826.5	629.5	489.7
-12.5°	3219.5	2950.3	2658.9	2348.4	2005.1	1669.2	1329.2	1047.8	819.9	625.2	488.9
-15°	3190.5	2917.4	2627.0	2313.3	1976.0	1636.2	1305.8	1030.9	806.9	620.2	486.0
-17.5°	3153.4	2874.5	2584.0	2271.6	1935.0	1595.2	1274.3	1009.0	790.6	614.2	480.2
-20°	3087.0	2816.8	2529.4	2224.1	1881.7	1546.6	1234.7	981.9	771.3	605.6	471.8



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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°	3012.5	2745.5	2461.3	2160.2	1817.6	1490.8	1186.8	949.8	748.9	594.4	461.8
-25°	2932.9	2665.1	2382.2	2071.6	1746.7	1431.8	1138.9	912.5	723.8	580.6	450.1
-27.5°	2839.5	2574.1	2292.5	1974.1	1664.5	1363.4	1092.9	879.5	699.5	564.1	436.8
-30°	2734.5	2467.1	2180.4	1870.1	1574.3	1284.2	1041.3	844.3	678.9	546.2	422.1
-32.5°	2614.2	2349.2	2056.2	1763.6	1479.0	1200.2	984.4	806.7	655.1	527.1	408.4
-35°	2477.2	2212.1	1924.6	1649.2	1378.1	1132.3	928.8	766.7	628.2	506.4	394.0
-37.5°	2334.5	2064.9	1793.0	1529.8	1270.8	1058.9	878.8	727.3	598.1	484.3	378.1
-40°	2171.6	1913.5	1654.9	1406.8	1177.9	980.0	824.6	688.3	569.6	460.8	360.7
-42.5°	2003.8	1754.6	1510.8	1276.6	1086.2	915.8	767.9	646.3	539.6	438.1	341.8
-45°	1822.8	1586.9	1357.6	1166.9	992.9	847.8	718.3	602.8	507.5	414.8	322.3
-47.5°	1631.9	1410.1	1218.3	1052.6	913.7	779.4	665.5	565.2	473.9	389.9	302.8
-50°	1429.7	1245.5	1090.0	953.3	828.2	717.9	612.9	525.8	443.0	362.3	282.3
-52.5°	1250.5	1102.9	974.3	857.2	752.8	653.2	567.5	485.4	411.3	336.0	260.9
-55°	1097.0	976.0	867.5	770.0	678.1	597.7	520.4	449.6	378.6	309.5	239.2
-57.5°	964.4	858.7	771.8	687.2	611.3	542.6	477.5	412.9	347.3	282.1	222.0
-60°	837.1	758.1	680.8	612.8	548.5	490.3	437.1	376.3	315.7	254.7	203.0
-62.5°	727.0	659.6	601.2	541.9	488.5	441.1	396.3	340.4	283.2	229.4	182.3
-65°	623.9	572.1	522.3	475.1	430.8	390.6	354.4	303.6	250.6	202.6	160.8
-67.5°	526.0	487.0	447.9	408.2	373.4	340.8	309.8	264.0	216.6	174.4	139.5
-70°	438.5	405.2	374.6	345.1	316.8	289.7	260.5	221.8	181.0	149.0	117.7
-72.5°	355.9	331.6	306.2	281.9	261.0	237.2	210.3	180.2	151.5	123.3	95.4
-75°	279.5	263.4	245.5	226.3	206.8	185.5	167.7	146.6	121.7	97.0	76.9
-77.5°	223.6	208.0	190.0	174.7	161.6	147.1	130.9	112.6	92.8	75.5	59.4
-80°	165.0	153.0	142.8	134.0	121.9	108.7	95.3	81.9	67.5	54.1	41.7
-82.5°	100.6	98.0	95.2	91.1	81.1	71.2	61.5	52.0	41.8	32.3	26.7
-85°	50.3	49.3	47.8	45.6	39.5	33.5	30.7	27.8	24.4	21.1	17.9
-87.5°	16.6	17.8	18.8	19.5	18.1	16.7	15.3	13.9	12.2	10.5	8.9
-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):

	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°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
82.5°	1.6	1.4	1.1	0.8	0.5	0.3	0.0
80°	2.1	1.8	1.5	1.1	0.7	0.5	0.0
77.5°	2.1	2.1	1.8	1.4	0.9	0.6	0.0
75°	2.1	2.2	2.1	1.6	1.1	0.7	0.0
72.5°	2.2	2.3	2.2	1.9	1.3	0.8	0.0
70°	2.2	2.3	2.3	2.1	1.5	0.9	0.0
67.5°	2.5	2.4	2.4	2.2	1.7	1.0	0.0
65°	2.8	2.8	2.5	2.3	1.9	1.1	0.0
62.5°	3.3	3.5	2.7	2.5	2.1	1.3	0.0
60°	3.9	4.3	2.8	2.6	2.2	1.4	0.0
57.5°	7.3	5.1	3.6	2.7	2.4	1.5	0.0
55°	11.6	6.0	4.5	2.8	2.5	1.6	0.0
52.5°	16.6	7.7	5.4	2.9	2.6	1.7	0.0
50°	22.4	13.2	6.4	3.0	2.7	1.8	0.0
47.5°	30.2	19.1	7.4	3.3	2.9	1.9	0.0
45°	45.5	25.4	8.5	4.1	3.0	2.0	0.0
42.5°	61.2	32.1	9.6	5.0	3.1	2.1	0.0
40°	77.3	39.2	12.9	6.0	3.3	2.2	0.0
37.5°	93.6	46.6	18.4	7.3	3.4	2.3	0.0
35°	110.3	57.9	24.1	8.7	3.5	2.4	0.0
32.5°	128.3	71.0	29.8	10.2	3.7	2.4	0.0
30°	148.9	84.0	35.5	11.9	3.8	2.5	0.0
27.5°	169.1	96.9	42.6	13.7	4.0	2.6	0.0
25°	188.8	109.5	49.9	15.6	4.1	2.7	0.0
22.5°	208.0	122.4	57.2	17.6	4.2	2.8	0.0
20°	226.5	136.3	64.3	19.6	4.4	2.8	0.0
17.5°	244.8	149.7	71.4	21.7	4.5	2.9	0.0
15°	262.4	162.5	78.3	23.8	4.6	3.0	0.0
12.5°	278.8	174.8	85.0	25.8	4.8	3.0	0.0
10°	294.1	186.4	91.3	27.9	4.9	3.1	0.0
7.5°	308.1	197.2	97.4	29.8	5.0	3.1	0.0
5°	320.9	207.2	103.0	31.7	5.1	3.1	0.0
2.5°	332.3	216.3	108.1	33.5	5.2	3.2	0.0
0°	342.4	224.4	112.7	35.1	5.3	3.2	0.0
-2.5°	347.4	229.5	117.0	37.4	6.1	3.4	0.0
-5°	351.1	233.5	120.6	39.5	7.0	3.6	0.0
-7.5°	353.4	236.5	123.6	41.4	7.8	3.7	0.0
-10°	354.5	238.3	125.9	43.0	8.5	3.9	0.0
-12.5°	354.3	239.0	127.4	44.4	9.3	4.0	0.0
-15°	352.9	238.7	128.1	45.4	9.9	4.2	0.0
-17.5°	350.4	237.3	128.0	46.2	10.6	4.3	0.0
-20°	346.3	234.7	127.1	46.7	11.2	4.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	340.6	231.2	125.3	46.8	11.7	4.5	0.0
-25°	333.4	225.6	122.6	46.6	12.2	4.5	0.0
-27.5°	324.9	218.7	119.0	46.1	12.6	4.6	0.0
-30°	315.1	210.8	114.6	45.1	12.9	4.6	0.0
-32.5°	304.0	202.0	109.4	43.8	13.2	4.6	0.0
-35°	292.0	192.2	103.6	42.1	13.3	4.6	0.0
-37.5°	279.1	182.4	97.2	40.0	13.4	4.6	0.0
-40°	265.1	173.6	90.2	37.5	13.4	4.5	0.0
-42.5°	250.3	164.1	85.0	34.8	13.4	4.5	0.0
-45°	234.4	154.0	81.4	32.1	13.2	4.4	0.0
-47.5°	217.7	143.3	77.1	29.0	13.0	4.3	0.0
-50°	203.7	132.1	72.3	28.0	12.7	4.1	0.0
-52.5°	189.7	120.3	66.8	27.4	12.2	4.0	0.0
-55°	175.2	111.4	60.7	26.5	11.8	3.8	0.0
-57.5°	160.1	102.3	54.0	25.4	11.2	3.6	0.0
-60°	144.8	92.4	47.0	23.9	10.6	3.4	0.0
-62.5°	130.8	81.7	43.6	22.2	9.9	3.2	0.0
-65°	115.9	70.3	39.8	20.3	9.2	3.0	0.0
-67.5°	99.9	60.8	35.6	18.1	8.5	2.7	0.0
-70°	83.1	53.2	30.9	15.7	7.6	2.5	0.0
-72.5°	70.3	45.0	26.0	13.8	6.8	2.2	0.0
-75°	57.5	36.4	20.7	12.0	5.9	1.9	0.0
-77.5°	44.0	27.3	17.1	10.1	5.0	1.6	0.0
-80°	30.0	20.8	13.8	8.2	4.0	1.3	0.0
-82.5°	22.1	15.7	10.4	6.2	3.0	1.0	0.0
-85°	14.8	10.5	7.0	4.1	2.0	0.6	0.0
-87.5°	7.4	5.3	3.5	2.1	1.0	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)