

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



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: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645535 (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: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-722-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

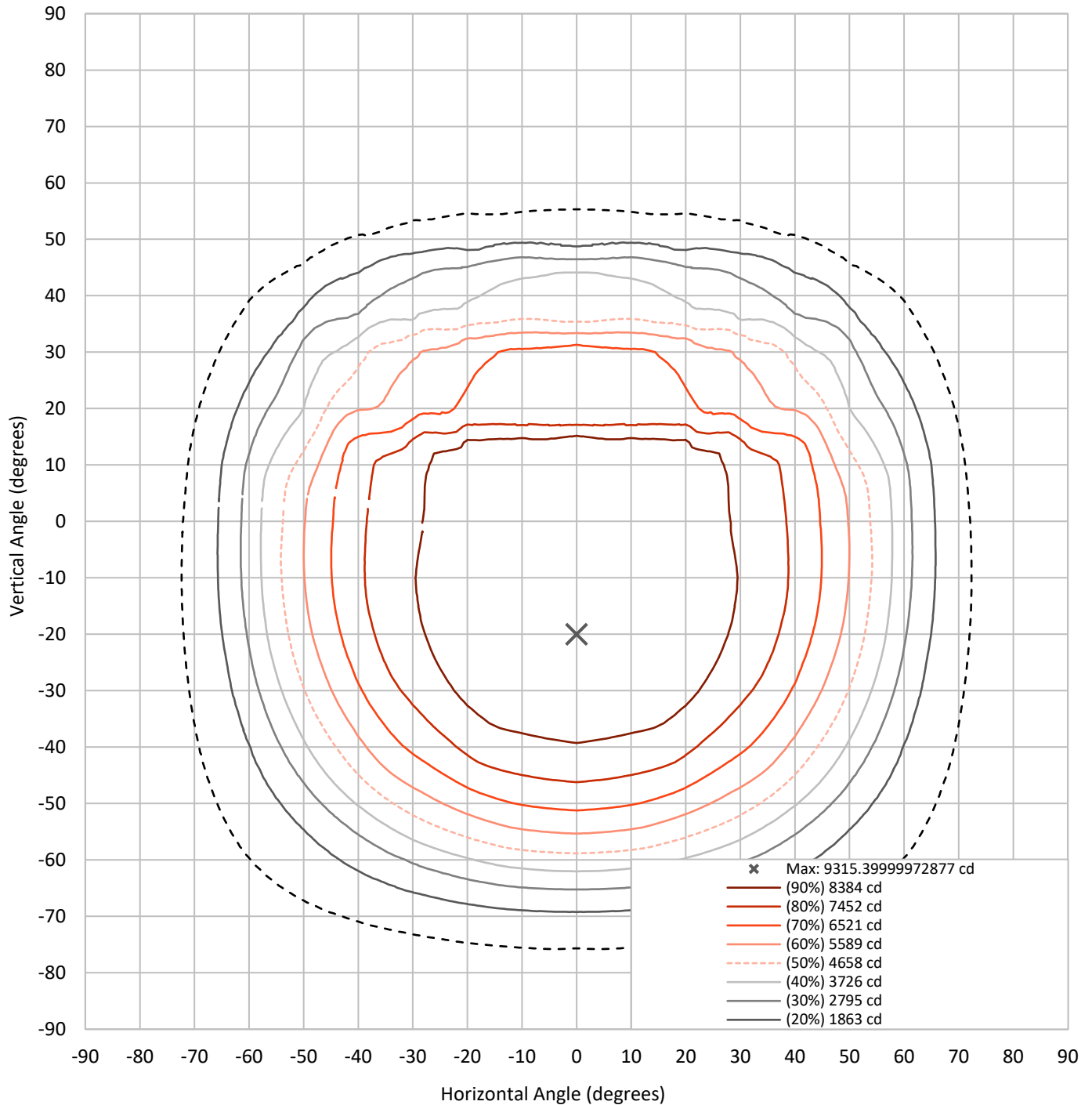
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21842.8 lumens	Max Intensity:	9315.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	69.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	17075.4 lumens	Field Lumens:	21409 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	313.7		
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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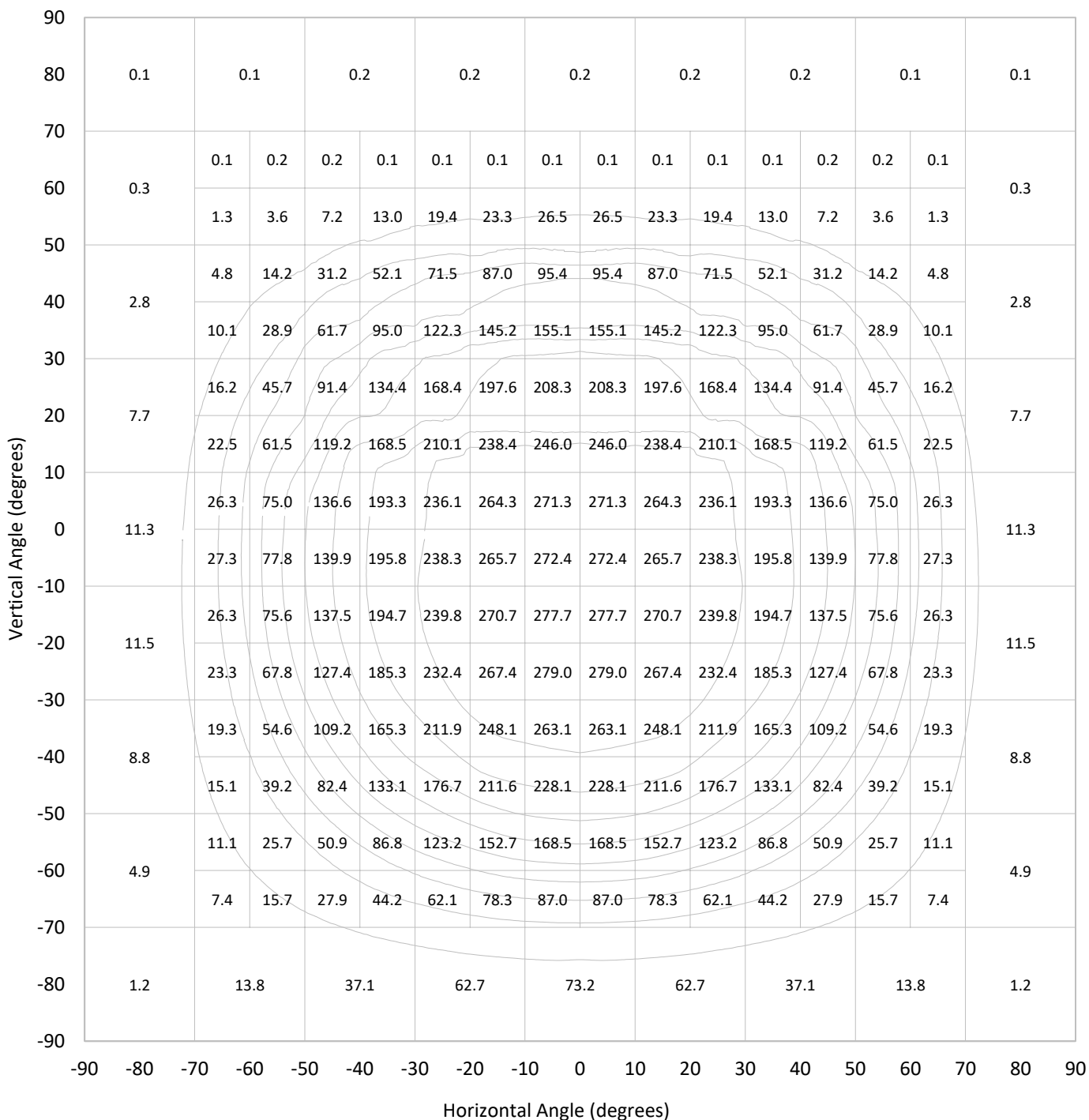
Iso-Candela Plot





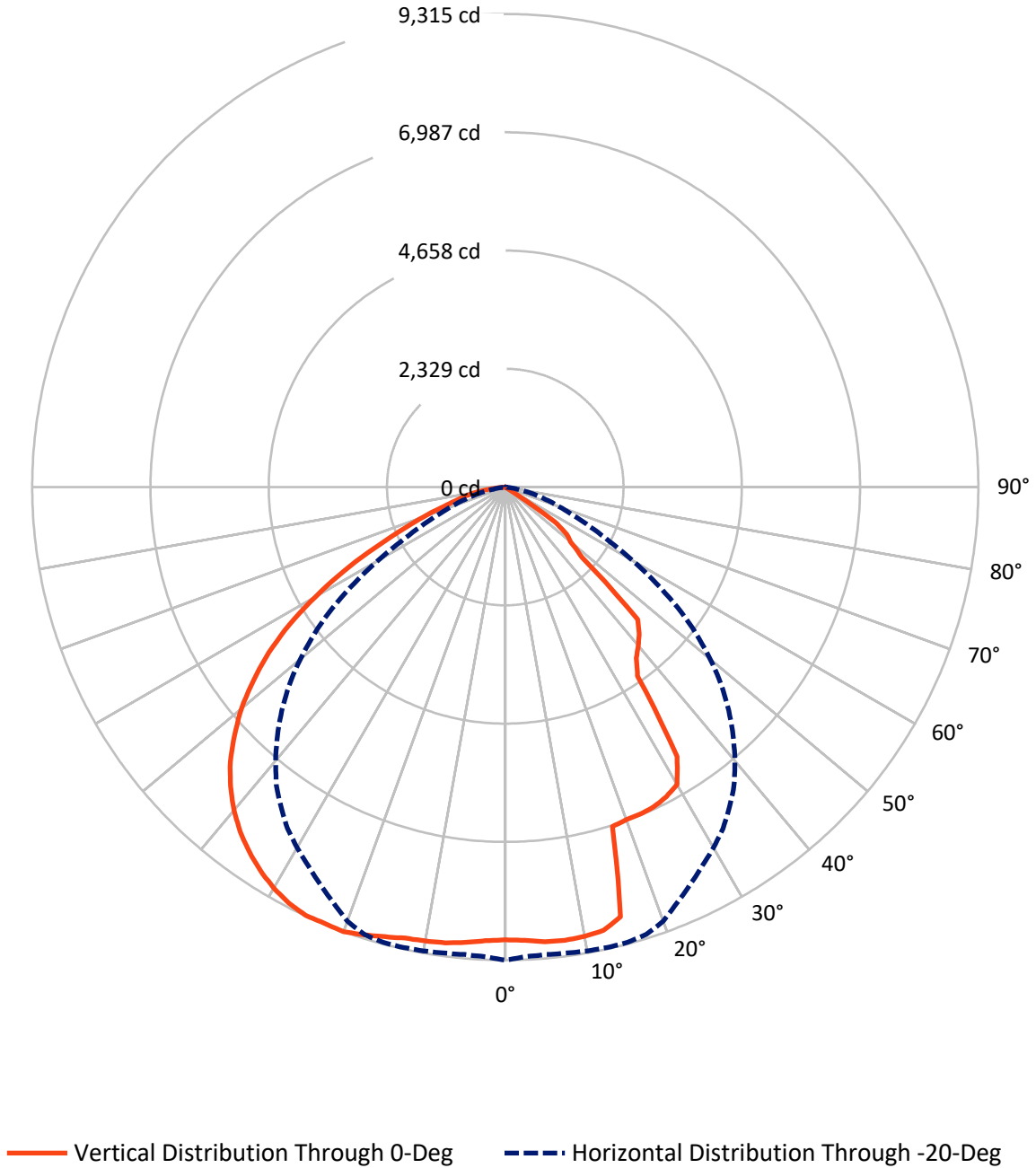
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Lumen Table



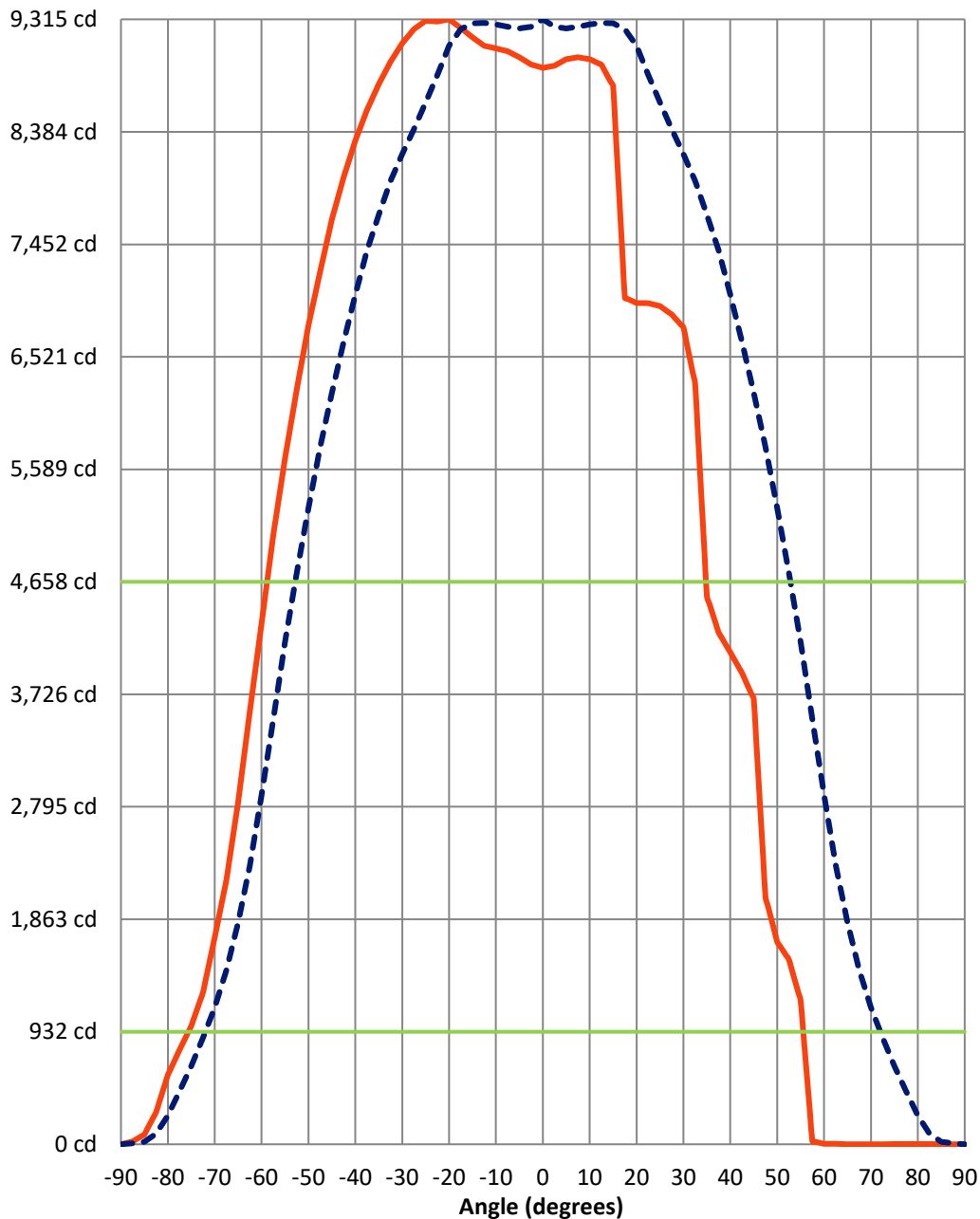
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 17075.4
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 21409
 Efficiency: 98.0%

Spill:
 Lumens: 433.8
 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	0.5	0.7	0.9	1.0	1.1	1.0	1.0	0.8
85°	0.0	0.4	0.7	1.0	1.4	1.7	2.1	2.1	2.1	1.9	1.7
82.5°	0.0	0.7	1.0	1.6	2.1	2.6	3.1	3.2	3.0	2.5	2.0
80°	0.0	0.9	1.4	2.1	2.8	3.4	4.0	3.5	3.1	2.6	2.1
77.5°	0.0	1.1	1.7	2.6	3.4	4.0	4.0	3.6	3.1	2.6	2.1
75°	0.0	1.3	2.1	3.1	4.0	4.2	4.1	3.6	3.1	2.6	2.2
72.5°	0.0	1.5	2.5	3.6	4.2	4.3	4.1	3.7	3.2	2.7	2.2
70°	0.0	1.7	2.8	4.0	4.4	4.5	4.2	3.7	3.2	2.8	3.2
67.5°	0.0	1.9	3.2	4.2	4.6	4.6	4.7	3.8	3.3	4.4	4.5
65°	0.0	2.2	3.5	4.4	4.8	5.3	5.4	3.8	5.3	6.2	7.8
62.5°	0.0	2.4	3.9	4.6	5.0	6.6	6.3	5.3	7.4	10.9	17.3
60°	0.0	2.6	4.3	4.8	5.3	8.0	7.4	7.5	9.5	27.6	30.1
57.5°	0.0	2.8	4.5	5.1	6.8	9.6	13.6	10.6	27.0	46.9	54.5
55°	0.0	3.0	4.7	5.3	8.4	11.3	21.7	17.1	50.1	72.4	88.2
52.5°	0.0	3.2	4.9	5.5	10.2	14.5	31.1	43.5	75.3	113.6	128.0
50°	0.0	3.4	5.2	5.7	12.0	24.7	41.9	73.6	107.7	159.4	199.9
47.5°	0.0	3.6	5.4	6.2	13.9	35.7	56.4	105.1	155.1	209.9	273.4
45°	0.0	3.7	5.6	7.8	15.9	47.4	85.1	138.0	208.2	273.6	344.8
42.5°	0.0	3.9	5.9	9.3	17.9	60.0	114.5	179.8	262.3	335.7	427.1
40°	0.0	4.1	6.1	11.2	24.1	73.2	144.5	227.4	318.0	396.5	515.2
37.5°	0.0	4.3	6.4	13.6	34.5	87.1	175.1	275.0	376.4	469.7	607.2
35°	0.0	4.4	6.6	16.2	45.0	108.3	206.2	322.6	435.7	559.5	715.9
32.5°	0.0	4.6	6.9	19.1	55.7	132.8	239.9	370.1	495.8	649.8	848.1
30°	0.0	4.8	7.2	22.3	66.4	157.1	278.5	418.0	556.4	740.3	975.0
27.5°	0.0	4.9	7.4	25.7	79.7	181.2	316.3	467.9	623.0	830.7	1096.2
25°	0.0	5.1	7.7	29.2	93.3	204.8	353.2	517.2	698.1	929.5	1211.8
22.5°	0.0	5.2	7.9	32.9	106.9	228.9	389.0	565.8	771.7	1028.1	1328.8
20°	0.0	5.3	8.2	36.7	120.3	254.8	423.6	613.3	843.5	1121.2	1443.0
17.5°	0.0	5.4	8.4	40.5	133.5	279.9	457.8	659.4	912.9	1208.6	1553.6
15°	0.0	5.5	8.7	44.4	146.4	303.9	490.7	702.4	979.6	1290.1	1659.9
12.5°	0.0	5.6	8.9	48.3	158.9	326.9	521.5	740.6	1032.8	1365.6	1761.0
10°	0.0	5.7	9.1	52.1	170.8	348.6	550.1	775.9	1072.5	1410.9	1843.3
7.5°	0.0	5.8	9.3	55.8	182.1	368.8	576.3	808.0	1106.3	1446.0	1891.3
5°	0.0	5.9	9.5	59.3	192.6	387.5	600.1	836.9	1134.6	1474.3	1930.4
2.5°	0.0	6.0	9.7	62.6	202.2	404.5	621.5	862.6	1157.5	1496.1	1960.3
0°	0.0	6.0	9.9	65.6	210.8	419.6	640.4	885.0	1175.4	1511.5	1980.8
-2.5°	0.0	6.3	11.5	69.9	218.8	429.2	649.8	898.0	1181.8	1531.0	1994.2
-5°	0.0	6.7	13.0	73.8	225.7	436.7	656.6	907.6	1184.0	1543.6	1998.4
-7.5°	0.0	7.0	14.5	77.3	231.2	442.2	661.0	913.5	1182.4	1548.8	1994.0
-10°	0.0	7.3	15.9	80.4	235.4	445.7	663.0	915.8	1177.3	1545.7	1981.3
-12.5°	0.0	7.5	17.3	82.9	238.3	447.1	662.6	914.3	1169.2	1533.2	1959.6
-15°	0.0	7.8	18.6	85.0	239.6	446.4	660.0	908.9	1159.9	1508.9	1928.0
-17.5°	0.0	8.0	19.8	86.5	239.5	443.8	655.2	897.9	1148.7	1478.6	1887.0
-20°	0.0	8.2	20.9	87.3	237.7	439.1	647.7	882.3	1132.6	1442.4	1836.4

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CATALOG NUMBER: GFLD-SA5E-722-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	8.4	21.9	87.6	234.4	432.4	636.9	863.5	1111.7	1400.6	1776.2
-25°	0.0	8.5	22.7	87.2	229.4	422.0	623.5	841.7	1085.9	1353.6	1706.6
-27.5°	0.0	8.6	23.5	86.1	222.7	409.0	607.7	816.9	1055.0	1308.1	1644.9
-30°	0.0	8.6	24.1	84.4	214.3	394.3	589.4	789.3	1021.4	1269.6	1579.1
-32.5°	0.0	8.7	24.6	81.9	204.6	377.8	568.6	763.7	985.7	1225.2	1508.6
-35°	0.0	8.7	24.9	78.7	193.7	359.6	546.1	736.8	947.1	1174.7	1433.9
-37.5°	0.0	8.6	25.1	74.7	181.8	341.3	521.9	707.1	905.7	1118.4	1360.0
-40°	0.0	8.5	25.1	70.1	168.8	324.7	495.9	674.5	861.7	1065.2	1287.2
-42.5°	0.0	8.4	25.0	65.0	158.9	306.9	468.1	639.3	819.2	1009.0	1208.7
-45°	0.0	8.2	24.7	59.9	152.2	288.1	438.5	602.8	775.7	949.1	1127.4
-47.5°	0.0	8.0	24.2	54.1	144.3	268.1	407.2	566.3	729.1	886.2	1057.0
-50°	0.0	7.8	23.6	52.2	135.1	247.0	381.0	528.0	677.5	828.5	983.3
-52.5°	0.0	7.5	22.9	51.2	124.8	225.0	354.9	487.9	628.2	769.1	907.8
-55°	0.0	7.2	22.0	49.6	113.4	208.3	327.7	447.4	578.8	708.0	840.7
-57.5°	0.0	6.8	20.9	47.4	100.9	191.4	299.5	415.3	527.6	649.5	772.2
-60°	0.0	6.4	19.8	44.8	87.8	172.9	270.9	379.7	476.4	590.4	703.6
-62.5°	0.0	6.0	18.6	41.6	81.5	152.9	244.8	341.0	429.1	529.6	636.6
-65°	0.0	5.6	17.2	37.9	74.4	131.6	216.7	300.8	378.9	468.7	567.9
-67.5°	0.0	5.1	15.8	33.9	66.5	113.7	187.0	261.0	326.1	405.1	493.7
-70°	0.0	4.6	14.3	29.4	57.9	99.5	155.6	220.2	278.8	338.5	414.8
-72.5°	0.0	4.1	12.7	25.9	48.5	84.3	131.6	178.5	230.6	283.4	336.9
-75°	0.0	3.5	11.0	22.5	38.6	68.1	107.6	143.8	181.5	227.6	274.2
-77.5°	0.0	3.0	9.3	19.0	31.9	51.1	82.4	111.2	141.2	173.6	210.6
-80°	0.0	2.4	7.5	15.3	25.8	38.9	56.2	77.9	101.1	126.2	153.2
-82.5°	0.0	1.8	5.7	11.6	19.5	29.4	41.3	50.0	60.4	78.1	97.2
-85°	0.0	1.2	3.8	7.8	13.1	19.7	27.7	33.4	39.4	45.6	52.0
-87.5°	0.0	0.6	1.9	3.9	6.6	9.9	13.9	16.7	19.7	22.8	26.1
-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: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
85°	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.3	2.6	2.5	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	3.1	3.2	2.8	2.3	2.0	2.1	2.3	2.2	2.0	2.0	2.0
67.5°	3.9	3.4	2.9	2.7	2.8	3.0	2.9	2.5	2.0	2.0	2.1
65°	3.9	3.5	5.0	5.6	4.2	3.5	3.1	2.6	2.7	2.9	2.9
62.5°	5.9	7.4	9.5	16.8	12.6	3.7	6.6	7.8	5.7	4.7	5.1
60°	19.4	13.2	39.2	56.2	35.1	12.8	15.6	52.0	45.1	8.4	28.1
57.5°	40.8	56.0	103.2	105.1	72.7	50.2	145.9	168.5	127.6	74.4	113.8
55°	89.9	138.1	171.1	158.4	173.0	262.1	311.4	279.7	235.4	362.2	462.8
52.5°	175.6	224.8	236.0	271.0	388.0	445.8	427.2	456.8	592.4	735.7	766.8
50°	259.3	299.5	330.9	478.6	570.1	575.8	618.3	752.7	933.5	1021.2	1000.0
47.5°	340.1	381.9	528.1	669.9	711.0	767.3	873.5	1132.8	1324.3	1328.1	1306.4
45°	425.6	537.1	723.7	816.2	882.8	991.8	1248.3	1605.9	1624.5	1676.4	1996.1
42.5°	517.1	712.3	875.2	971.3	1079.1	1282.3	1624.6	1859.3	1939.9	2167.4	2424.5
40°	665.3	881.6	1023.9	1146.8	1285.4	1581.9	1956.8	2176.6	2242.2	2439.2	2632.4
37.5°	815.5	1023.0	1182.4	1330.8	1522.8	1923.0	2356.8	2538.1	2571.2	2607.3	3035.4
35°	960.3	1168.0	1358.9	1553.0	1788.4	2364.5	2743.7	2914.1	2908.9	3151.9	3600.3
32.5°	1095.6	1316.2	1541.5	1801.1	2189.6	2779.8	3159.1	3261.2	3416.0	3769.7	4381.6
30°	1230.7	1481.6	1740.2	2049.5	2541.6	3053.2	3486.2	3650.4	3915.7	4319.3	4764.7
27.5°	1369.9	1651.1	1963.8	2326.3	2819.4	3289.7	3659.6	4051.9	4309.6	4671.4	4988.2
25°	1508.6	1830.6	2184.6	2568.2	3018.0	3456.3	3838.9	4292.0	4568.7	4860.3	5155.9
22.5°	1653.9	2012.5	2412.4	2760.0	3185.5	3598.0	4053.4	4544.9	4904.7	5090.1	5288.5
20°	1805.9	2209.4	2635.9	3020.9	3350.7	3729.6	4268.7	4865.9	5330.4	5539.0	5566.2
17.5°	1955.6	2400.1	2858.6	3275.5	3631.2	3968.4	4494.8	5250.6	5828.2	6022.1	6108.3
15°	2101.7	2583.5	3080.3	3523.3	3913.8	4326.1	4888.3	5656.8	6317.1	6531.6	6667.4
12.5°	2242.7	2758.5	3298.3	3762.9	4196.6	4659.1	5245.5	5949.0	6551.8	6966.8	7215.7
10°	2377.0	2923.7	3509.9	3992.8	4476.1	4967.9	5541.2	6166.7	6657.4	7057.7	7411.1
7.5°	2444.8	3031.6	3691.6	4211.7	4748.6	5253.3	5783.2	6320.2	6733.5	7126.1	7467.7
5°	2490.8	3076.0	3748.4	4288.0	4893.4	5443.7	5958.2	6421.0	6783.1	7172.3	7506.0
2.5°	2523.7	3104.7	3786.9	4329.7	4947.8	5502.2	6008.6	6454.7	6824.1	7205.3	7547.0
0°	2543.6	3118.4	3806.5	4355.4	4981.9	5540.7	6037.9	6467.5	6851.3	7221.2	7589.1
-2.5°	2554.9	3160.1	3819.5	4421.4	5014.8	5573.9	6078.9	6498.2	6899.3	7251.2	7620.1
-5°	2553.5	3185.0	3816.1	4465.8	5030.5	5586.8	6099.4	6512.1	6925.3	7273.8	7632.8
-7.5°	2539.6	3190.7	3798.9	4479.7	5031.1	5582.5	6090.4	6518.7	6924.9	7294.4	7633.9
-10°	2514.9	3168.2	3783.0	4443.7	5011.8	5559.8	6062.9	6504.1	6908.7	7290.3	7627.3
-12.5°	2485.8	3121.7	3749.8	4392.0	4972.6	5517.5	6021.1	6466.9	6878.5	7259.1	7612.1
-15°	2442.0	3059.9	3695.4	4326.2	4912.9	5456.0	5966.9	6406.1	6831.8	7204.6	7567.0
-17.5°	2383.2	2983.2	3618.7	4248.2	4832.6	5375.7	5897.4	6325.9	6749.5	7134.7	7484.5
-20°	2309.1	2892.4	3519.1	4159.6	4730.4	5267.9	5773.3	6222.0	6642.9	7034.7	7402.3



REPORT NUMBER: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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°	2219.6	2788.0	3399.2	4039.9	4603.1	5134.5	5633.8	6089.7	6525.9	6904.8	7296.4
-25°	2129.9	2677.7	3266.6	3874.3	4455.1	4984.3	5485.1	5929.2	6375.0	6769.1	7141.2
-27.5°	2044.0	2549.7	3112.8	3691.9	4287.4	4814.1	5310.4	5754.8	6187.6	6618.6	6976.7
-30°	1947.5	2401.6	2944.1	3497.3	4077.8	4614.0	5114.0	5575.2	5987.1	6412.6	6797.2
-32.5°	1841.1	2244.5	2766.0	3298.2	3845.5	4393.6	4889.0	5347.0	5775.5	6177.9	6581.7
-35°	1737.1	2117.6	2577.2	3084.3	3599.4	4137.1	4632.8	5086.5	5531.1	5929.8	6315.6
-37.5°	1643.5	1980.3	2376.6	2861.0	3353.2	3861.8	4366.0	4805.2	5228.3	5666.6	6042.8
-40°	1542.2	1832.7	2202.8	2631.0	3094.9	3578.5	4061.3	4515.7	4913.4	5346.6	5760.3
-42.5°	1436.2	1712.6	2031.4	2387.5	2825.5	3281.4	3747.4	4191.9	4604.9	5013.6	5423.6
-45°	1343.3	1585.4	1856.9	2182.4	2538.9	2967.7	3409.0	3852.0	4248.4	4637.8	5042.7
-47.5°	1244.5	1457.6	1708.7	1968.6	2278.5	2637.1	3052.0	3460.6	3866.4	4236.9	4595.2
-50°	1146.1	1342.5	1548.8	1782.8	2038.6	2329.3	2673.9	3053.7	3424.3	3804.8	4159.7
-52.5°	1061.3	1221.5	1407.9	1603.2	1822.1	2062.6	2338.7	2650.7	2987.8	3310.6	3664.7
-55°	973.3	1117.7	1268.2	1440.1	1622.3	1825.2	2051.6	2313.8	2571.0	2869.6	3158.7
-57.5°	893.1	1014.9	1143.2	1285.1	1443.4	1605.8	1803.6	2007.7	2241.0	2473.1	2702.0
-60°	817.4	916.9	1025.8	1146.0	1273.2	1417.7	1565.4	1740.6	1928.6	2113.8	2308.0
-62.5°	741.2	824.9	913.6	1013.4	1124.3	1233.6	1359.7	1494.6	1633.0	1790.0	1943.1
-65°	662.8	730.4	805.7	888.5	977.0	1070.0	1166.8	1266.8	1384.5	1499.5	1610.9
-67.5°	579.5	637.4	698.3	763.5	837.7	910.7	983.7	1068.1	1154.7	1239.9	1328.2
-70°	487.2	541.8	592.5	645.4	700.6	757.8	820.1	882.0	943.1	1006.9	1077.8
-72.5°	393.3	443.6	488.2	527.2	572.6	620.1	665.7	709.1	755.2	803.6	851.6
-75°	313.7	346.9	386.7	423.1	459.2	492.7	522.7	559.6	598.0	633.2	662.2
-77.5°	244.9	275.0	302.3	326.6	355.3	388.9	418.2	443.3	467.7	494.4	522.6
-80°	178.1	203.2	228.0	250.6	267.1	286.1	308.5	334.1	356.4	374.5	391.0
-82.5°	115.0	133.1	151.6	170.4	178.0	183.3	188.2	197.1	210.8	224.4	237.4
-85°	57.3	62.6	73.8	85.4	89.4	92.2	94.1	95.2	99.8	104.1	107.9
-87.5°	28.7	31.3	33.9	36.5	35.1	33.3	30.9	28.2	27.5	26.7	25.6
-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: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-U-LAM-VSR-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°	1.6	1.7	1.7	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.4	1.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.3
65°	2.8	2.7	2.9	2.8	2.5	2.4	2.5	2.4	2.2	1.7	1.2
62.5°	5.0	5.7	4.5	4.4	4.3	4.2	4.0	3.8	3.6	3.4	3.5
60°	31.2	18.4	10.8	12.6	11.3	7.5	9.6	11.2	11.3	10.4	9.2
57.5°	172.9	129.1	95.5	228.2	228.9	109.3	131.6	206.9	170.4	56.0	52.0
55°	480.9	575.2	757.0	719.1	730.7	840.5	917.7	812.5	796.5	848.7	980.4
52.5°	864.0	953.9	1015.0	1072.2	1141.9	1216.7	1293.8	1342.9	1388.7	1437.6	1466.7
50°	1103.3	1229.9	1316.9	1284.9	1465.1	1538.8	1464.0	1530.9	1612.5	1634.8	1645.4
47.5°	1629.1	1814.8	1851.7	1971.4	2078.9	2076.6	1985.3	1990.6	2233.5	2447.9	2553.1
45°	2341.2	2347.5	2464.3	2675.6	2826.6	2779.1	2906.6	3196.3	3292.8	3386.1	3462.6
42.5°	2618.7	2733.6	2920.0	3106.8	3219.4	3317.1	3411.4	3517.9	3643.2	3744.8	3826.0
40°	2887.3	2979.9	3170.7	3321.2	3414.5	3505.7	3615.6	3733.6	3848.2	3937.5	3998.4
37.5°	3300.8	3372.6	3419.0	3558.7	3735.1	3653.7	3862.4	4012.0	4080.3	4171.0	4179.1
35°	3926.3	3878.5	3816.6	4372.6	4405.9	4218.1	4413.3	4645.2	4523.0	4777.6	4914.4
32.5°	4480.8	4473.7	4959.0	5251.3	5083.1	5220.4	5670.2	5650.3	5950.1	6089.2	6049.6
30°	5003.3	5181.5	5462.2	5679.9	5709.1	5925.5	6125.3	6300.3	6481.3	6643.5	6654.7
27.5°	5268.5	5501.1	5691.7	5817.6	5958.2	6140.3	6321.6	6518.7	6672.6	6774.4	6799.2
25°	5428.9	5666.6	5810.8	5946.4	6101.6	6258.8	6461.8	6676.4	6800.0	6862.8	6882.8
22.5°	5570.4	5783.9	5939.0	6049.1	6216.0	6385.1	6574.3	6756.1	6890.4	6917.8	6927.8
20°	5706.6	5911.7	6170.7	6332.7	6324.6	6515.1	6697.5	6842.0	6954.0	6953.3	6956.0
17.5°	6100.4	6173.6	6643.7	7000.6	6823.9	6730.7	7232.2	7241.7	7271.5	7212.2	7083.9
15°	6683.6	6816.9	7394.5	7781.3	7659.5	7653.1	8377.4	8197.8	8352.4	8311.9	8485.9
12.5°	7301.3	7459.2	7890.8	8270.7	8451.6	8496.1	8738.1	8964.8	9011.4	8993.0	8958.8
10°	7722.2	7947.1	8120.4	8351.0	8533.6	8719.8	8860.0	9022.7	9076.1	9045.3	9001.7
7.5°	7777.0	7999.3	8202.8	8405.1	8579.0	8729.1	8874.5	9007.0	9061.2	9043.3	9013.4
5°	7811.8	8013.2	8210.4	8415.7	8582.0	8721.0	8866.0	9000.2	9032.3	9010.7	8981.5
2.5°	7833.3	8019.7	8209.8	8414.2	8565.2	8697.7	8844.4	8987.6	8987.3	8977.8	8960.8
0°	7843.7	8030.6	8251.4	8436.4	8605.4	8730.7	8875.9	9015.1	9005.1	8979.3	8949.5
-2.5°	7866.1	8055.4	8280.8	8434.0	8624.7	8739.4	8889.4	9010.0	9005.4	8992.6	8977.8
-5°	7886.0	8099.0	8309.8	8471.0	8662.0	8812.1	8961.2	9055.5	9060.5	9042.8	9017.9
-7.5°	7898.2	8134.3	8335.4	8497.3	8682.6	8857.0	9008.3	9107.3	9109.4	9085.9	9056.2
-10°	7894.1	8143.4	8350.4	8517.7	8707.4	8879.7	9037.9	9163.4	9159.3	9136.9	9111.4
-12.5°	7879.2	8128.2	8340.7	8508.6	8724.0	8901.4	9079.4	9204.1	9210.7	9194.0	9166.5
-15°	7846.4	8103.5	8310.2	8493.5	8704.7	8912.1	9094.9	9232.6	9257.1	9243.4	9221.7
-17.5°	7781.6	8052.9	8272.2	8469.7	8672.3	8893.4	9101.3	9251.8	9285.4	9279.9	9261.9
-20°	7696.5	7976.5	8199.1	8406.0	8626.6	8854.3	9096.2	9233.8	9282.5	9285.6	9273.4



REPORT NUMBER: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7601.0	7875.1	8111.2	8314.7	8553.9	8784.3	9003.5	9164.5	9246.4	9261.6	9262.6
-25°	7486.5	7768.2	8002.7	8219.4	8441.9	8679.9	8901.3	9081.1	9164.1	9203.7	9216.0
-27.5°	7324.6	7615.8	7846.6	8075.6	8301.9	8547.8	8780.5	8976.1	9043.5	9098.0	9119.9
-30°	7135.1	7422.9	7658.4	7867.7	8126.6	8377.2	8617.4	8788.0	8889.8	8952.1	8986.2
-32.5°	6917.1	7207.7	7454.7	7673.3	7919.4	8170.1	8396.0	8576.0	8716.3	8788.2	8824.6
-35°	6680.7	6977.4	7236.1	7466.3	7697.9	7936.9	8171.0	8359.3	8519.1	8580.9	8626.5
-37.5°	6395.5	6722.9	6988.1	7225.6	7445.7	7670.3	7914.0	8129.3	8284.5	8344.5	8392.6
-40°	6103.1	6419.5	6687.0	6940.3	7157.9	7403.2	7638.0	7863.5	7998.2	8068.1	8122.6
-42.5°	5794.5	6080.3	6334.6	6580.7	6823.0	7075.5	7310.2	7544.6	7661.1	7745.4	7812.1
-45°	5438.2	5704.1	5951.3	6181.6	6431.4	6679.6	6914.4	7121.6	7260.2	7369.9	7455.2
-47.5°	4963.1	5287.1	5535.2	5754.3	6002.0	6241.4	6469.0	6663.8	6815.8	6944.1	7043.3
-50°	4480.7	4791.6	5071.5	5317.5	5547.3	5768.8	5985.4	6176.0	6336.8	6475.9	6576.3
-52.5°	4005.6	4296.8	4574.6	4828.6	5049.5	5258.6	5456.8	5648.5	5818.1	5966.8	6063.9
-55°	3468.7	3770.4	4045.2	4282.1	4502.8	4709.4	4905.1	5086.9	5253.9	5405.3	5498.4
-57.5°	2965.0	3229.7	3485.4	3704.0	3912.4	4109.2	4294.7	4468.8	4629.5	4772.0	4861.7
-60°	2502.1	2695.1	2915.1	3117.0	3301.6	3469.1	3642.3	3804.5	3952.2	4077.5	4161.1
-62.5°	2092.9	2252.9	2411.7	2565.2	2715.0	2865.5	3010.4	3145.0	3268.4	3371.0	3444.3
-65°	1728.4	1856.9	1971.7	2080.6	2184.3	2303.0	2413.2	2516.8	2612.7	2691.4	2747.2
-67.5°	1423.2	1513.5	1592.9	1667.6	1749.4	1833.2	1911.9	1980.4	2039.0	2085.6	2122.4
-70°	1147.7	1214.1	1274.0	1333.6	1393.3	1447.8	1499.8	1550.2	1598.1	1637.1	1666.4
-72.5°	898.8	944.2	985.0	1030.8	1073.8	1115.2	1151.2	1180.3	1202.8	1224.8	1244.0
-75°	685.2	719.3	765.3	804.2	836.3	864.7	890.7	913.9	934.3	952.3	968.2
-77.5°	551.2	580.1	609.4	637.7	665.1	685.5	704.5	723.4	741.9	758.0	772.1
-80°	408.5	430.1	452.7	475.4	498.1	509.3	518.3	526.6	534.0	543.6	552.5
-82.5°	249.8	262.0	274.6	287.3	300.0	303.2	304.3	304.0	302.4	298.9	293.6
-85°	111.1	111.8	111.4	110.2	108.1	103.7	98.3	92.1	85.1	84.0	82.7
-87.5°	24.4	23.9	23.3	22.5	21.7	21.6	21.5	21.4	21.2	21.9	22.6
-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: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-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	0.5
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	0.7	0.2	0.0	0.0	0.0	0.2	0.7	1.3	1.8	2.0	2.0
65°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.7	2.2	2.4
62.5°	3.7	3.8	4.0	4.0	4.0	3.8	3.7	3.5	3.4	3.6	3.8
60°	7.2	4.7	4.0	4.0	4.0	4.7	7.2	9.2	10.4	11.3	11.2
57.5°	43.9	32.8	27.9	25.9	27.9	32.8	43.9	52.0	56.0	170.4	206.9
55°	1074.8	1129.5	1170.4	1189.3	1170.4	1129.5	1074.8	980.4	848.7	796.5	812.5
52.5°	1492.3	1516.1	1529.8	1529.4	1529.8	1516.1	1492.3	1466.7	1437.6	1388.7	1342.9
50°	1663.4	1674.9	1679.1	1676.5	1679.1	1674.9	1663.4	1645.4	1634.8	1612.5	1530.9
47.5°	2457.0	2244.3	2087.9	2050.4	2087.9	2244.3	2457.0	2553.1	2447.9	2233.5	1990.6
45°	3499.2	3579.9	3660.2	3685.2	3660.2	3579.9	3499.2	3462.6	3386.1	3292.8	3196.3
42.5°	3860.2	3886.5	3901.3	3902.0	3901.3	3886.5	3860.2	3826.0	3744.8	3643.2	3517.9
40°	4032.5	4057.3	4071.7	4073.0	4071.7	4057.3	4032.5	3998.4	3937.5	3848.2	3733.6
37.5°	4189.0	4210.0	4223.9	4238.1	4223.9	4210.0	4189.0	4179.1	4171.0	4080.3	4012.0
35°	4896.0	4735.8	4505.4	4540.4	4505.4	4735.8	4896.0	4914.4	4777.6	4523.0	4645.2
32.5°	6111.6	6178.9	6220.9	6292.5	6220.9	6178.9	6111.6	6049.6	6089.2	5950.1	5650.3
30°	6672.4	6694.7	6728.4	6763.8	6728.4	6694.7	6672.4	6654.7	6643.5	6481.3	6300.3
27.5°	6812.4	6835.4	6855.9	6871.2	6855.9	6835.4	6812.4	6799.2	6774.4	6672.6	6518.7
25°	6885.6	6900.0	6921.7	6940.8	6921.7	6900.0	6885.6	6882.8	6862.8	6800.0	6676.4
22.5°	6922.0	6923.5	6940.5	6964.7	6940.5	6923.5	6922.0	6927.8	6917.8	6890.4	6756.1
20°	6947.0	6933.4	6951.0	6966.7	6951.0	6933.4	6947.0	6956.0	6953.3	6954.0	6842.0
17.5°	7264.9	7083.5	7009.0	7010.4	7009.0	7083.5	7264.9	7083.9	7212.2	7271.5	7241.7
15°	8290.6	8358.7	8619.6	8760.5	8619.6	8358.7	8290.6	8485.9	8311.9	8352.4	8197.8
12.5°	8952.5	8928.3	8897.3	8939.5	8897.3	8928.3	8952.5	8958.8	8993.0	9011.4	8964.8
10°	8983.2	8980.4	8925.2	8985.3	8925.2	8980.4	8983.2	9001.7	9045.3	9076.1	9022.7
7.5°	8964.3	8966.0	8942.5	9001.2	8942.5	8966.0	8964.3	9013.4	9043.3	9061.2	9007.0
5°	8976.8	8936.3	8951.7	8985.3	8951.7	8936.3	8976.8	8981.5	9010.7	9032.3	9000.2
2.5°	8942.0	8937.9	8908.0	8931.6	8908.0	8937.9	8942.0	8960.8	8977.8	8987.3	8987.6
0°	8915.7	8893.8	8893.8	8913.7	8893.8	8893.8	8915.7	8949.5	8979.3	9005.1	9015.1
-2.5°	8962.7	8958.1	8955.2	8941.5	8955.2	8958.1	8962.7	8977.8	8992.6	9005.4	9010.0
-5°	9001.4	8989.5	8957.0	9001.2	8957.0	8989.5	9001.4	9017.9	9042.8	9060.5	9055.5
-7.5°	9042.9	9012.7	8981.8	9050.9	8981.8	9012.7	9042.9	9056.2	9085.9	9109.4	9107.3
-10°	9080.9	9037.3	9007.2	9074.8	9007.2	9037.3	9080.9	9111.4	9136.9	9159.3	9163.4
-12.5°	9131.1	9080.1	9060.0	9096.6	9060.0	9080.1	9131.1	9166.5	9194.0	9210.7	9204.1
-15°	9184.7	9149.4	9144.6	9166.2	9144.6	9149.4	9184.7	9221.7	9243.4	9257.1	9232.6
-17.5°	9231.7	9206.9	9219.2	9243.8	9219.2	9206.9	9231.7	9261.9	9279.9	9285.4	9251.8
-20°	9254.2	9240.3	9254.1	9315.4	9254.1	9240.3	9254.2	9273.4	9285.6	9282.5	9233.8



REPORT NUMBER: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-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°	9252.3	9253.1	9277.5	9297.5	9277.5	9253.1	9252.3	9262.6	9261.6	9246.4	9164.5
-25°	9216.9	9235.6	9263.5	9303.5	9263.5	9235.6	9216.9	9216.0	9203.7	9164.1	9081.1
-27.5°	9131.8	9162.7	9191.9	9233.9	9191.9	9162.7	9131.8	9119.9	9098.0	9043.5	8976.1
-30°	9008.7	9045.4	9071.4	9116.5	9071.4	9045.4	9008.7	8986.2	8952.1	8889.8	8788.0
-32.5°	8858.9	8900.5	8931.2	8963.4	8931.2	8900.5	8858.9	8824.6	8788.2	8716.3	8576.0
-35°	8671.6	8716.4	8749.2	8778.4	8749.2	8716.4	8671.6	8626.5	8580.9	8519.1	8359.3
-37.5°	8446.6	8494.9	8532.1	8565.6	8532.1	8494.9	8446.6	8392.6	8344.5	8284.5	8129.3
-40°	8184.4	8234.0	8273.8	8311.1	8273.8	8234.0	8184.4	8122.6	8068.1	7998.2	7863.5
-42.5°	7877.9	7927.9	7969.0	8006.8	7969.0	7927.9	7877.9	7812.1	7745.4	7661.1	7544.6
-45°	7524.0	7575.5	7618.9	7658.7	7618.9	7575.5	7524.0	7455.2	7369.9	7260.2	7121.6
-47.5°	7116.4	7171.4	7208.6	7227.2	7208.6	7171.4	7116.4	7043.3	6944.1	6815.8	6663.8
-50°	6649.1	6704.1	6748.8	6781.7	6748.8	6704.1	6649.1	6576.3	6475.9	6336.8	6176.0
-52.5°	6134.8	6187.1	6225.5	6248.7	6225.5	6187.1	6134.8	6063.9	5966.8	5818.1	5648.5
-55°	5571.6	5626.5	5662.9	5679.9	5662.9	5626.5	5571.6	5498.4	5405.3	5253.9	5086.9
-57.5°	4932.9	4985.0	5023.7	5045.5	5023.7	4985.0	4932.9	4861.7	4772.0	4629.5	4468.8
-60°	4226.3	4272.9	4302.2	4313.6	4302.2	4272.9	4226.3	4161.1	4077.5	3952.2	3804.5
-62.5°	3503.4	3547.6	3575.1	3585.8	3575.1	3547.6	3503.4	3444.3	3371.0	3268.4	3145.0
-65°	2788.9	2816.6	2831.8	2834.0	2831.8	2816.6	2788.9	2747.2	2691.4	2612.7	2516.8
-67.5°	2151.5	2172.5	2185.3	2189.6	2185.3	2172.5	2151.5	2122.4	2085.6	2039.0	1980.4
-70°	1688.2	1702.7	1710.9	1712.3	1710.9	1702.7	1688.2	1666.4	1637.1	1598.1	1550.2
-72.5°	1258.7	1269.1	1265.4	1256.9	1265.4	1269.1	1258.7	1244.0	1224.8	1202.8	1180.3
-75°	981.9	993.4	988.6	980.5	988.6	993.4	981.9	968.2	952.3	934.3	913.9
-77.5°	784.4	794.8	789.7	781.6	789.7	794.8	784.4	772.1	758.0	741.9	723.4
-80°	560.2	566.3	570.6	572.8	570.6	566.3	560.2	552.5	543.6	534.0	526.6
-82.5°	286.7	278.3	273.0	266.5	273.0	278.3	286.7	293.6	298.9	302.4	304.0
-85°	81.1	79.2	80.4	81.5	80.4	79.2	81.1	82.7	84.0	85.1	92.1
-87.5°	23.2	23.8	23.9	23.9	23.9	23.8	23.2	22.6	21.9	21.2	21.4
-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: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-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°	0.9	1.4	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
85°	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.5
65°	2.5	2.4	2.5	2.8	2.9	2.7	2.8	2.9	2.9	2.7	2.6
62.5°	4.0	4.2	4.3	4.4	4.5	5.7	5.0	5.1	4.7	5.7	7.8
60°	9.6	7.5	11.3	12.6	10.8	18.4	31.2	28.1	8.4	45.1	52.0
57.5°	131.6	109.3	228.9	228.2	95.5	129.1	172.9	113.8	74.4	127.6	168.5
55°	917.7	840.5	730.7	719.1	757.0	575.2	480.9	462.8	362.2	235.4	279.7
52.5°	1293.8	1216.7	1141.9	1072.2	1015.0	953.9	864.0	766.8	735.7	592.4	456.8
50°	1464.0	1538.8	1465.1	1284.9	1316.9	1229.9	1103.3	1000.0	1021.2	933.5	752.7
47.5°	1985.3	2076.6	2078.9	1971.4	1851.7	1814.8	1629.1	1306.4	1328.1	1324.3	1132.8
45°	2906.6	2779.1	2826.6	2675.6	2464.3	2347.5	2341.2	1996.1	1676.4	1624.5	1605.9
42.5°	3411.4	3317.1	3219.4	3106.8	2920.0	2733.6	2618.7	2424.5	2167.4	1939.9	1859.3
40°	3615.6	3505.7	3414.5	3321.2	3170.7	2979.9	2887.3	2632.4	2439.2	2242.2	2176.6
37.5°	3862.4	3653.7	3735.1	3558.7	3419.0	3372.6	3300.8	3035.4	2607.3	2571.2	2538.1
35°	4413.3	4218.1	4405.9	4372.6	3816.6	3878.5	3926.3	3600.3	3151.9	2908.9	2914.1
32.5°	5670.2	5220.4	5083.1	5251.3	4959.0	4473.7	4480.8	4381.6	3769.7	3416.0	3261.2
30°	6125.3	5925.5	5709.1	5679.9	5462.2	5181.5	5003.3	4764.7	4319.3	3915.7	3650.4
27.5°	6321.6	6140.3	5958.2	5817.6	5691.7	5501.1	5268.5	4988.2	4671.4	4309.6	4051.9
25°	6461.8	6258.8	6101.6	5946.4	5810.8	5666.6	5428.9	5155.9	4860.3	4568.7	4292.0
22.5°	6574.3	6385.1	6216.0	6049.1	5939.0	5783.9	5570.4	5288.5	5090.1	4904.7	4544.9
20°	6697.5	6515.1	6324.6	6332.7	6170.7	5911.7	5706.6	5566.2	5539.0	5330.4	4865.9
17.5°	7232.2	6730.7	6823.9	7000.6	6643.7	6173.6	6100.4	6108.3	6022.1	5828.2	5250.6
15°	8377.4	7653.1	7659.5	7781.3	7394.5	6816.9	6683.6	6667.4	6531.6	6317.1	5656.8
12.5°	8738.1	8496.1	8451.6	8270.7	7890.8	7459.2	7301.3	7215.7	6966.8	6551.8	5949.0
10°	8860.0	8719.8	8533.6	8351.0	8120.4	7947.1	7722.2	7411.1	7057.7	6657.4	6166.7
7.5°	8874.5	8729.1	8579.0	8405.1	8202.8	7999.3	7777.0	7467.7	7126.1	6733.5	6320.2
5°	8866.0	8721.0	8582.0	8415.7	8210.4	8013.2	7811.8	7506.0	7172.3	6783.1	6421.0
2.5°	8844.4	8697.7	8565.2	8414.2	8209.8	8019.7	7833.3	7547.0	7205.3	6824.1	6454.7
0°	8875.9	8730.7	8605.4	8436.4	8251.4	8030.6	7843.7	7589.1	7221.2	6851.3	6467.5
-2.5°	8889.4	8739.4	8624.7	8434.0	8280.8	8055.4	7866.1	7620.1	7251.2	6899.3	6498.2
-5°	8961.2	8812.1	8662.0	8471.0	8309.8	8099.0	7886.0	7632.8	7273.8	6925.3	6512.1
-7.5°	9008.3	8857.0	8682.6	8497.3	8335.4	8134.3	7898.2	7633.9	7294.4	6924.9	6518.7
-10°	9037.9	8879.7	8707.4	8517.7	8350.4	8143.4	7894.1	7627.3	7290.3	6908.7	6504.1
-12.5°	9079.4	8901.4	8724.0	8508.6	8340.7	8128.2	7879.2	7612.1	7259.1	6878.5	6466.9
-15°	9094.9	8912.1	8704.7	8493.5	8310.2	8103.5	7846.4	7567.0	7204.6	6831.8	6406.1
-17.5°	9101.3	8893.4	8672.3	8469.7	8272.2	8052.9	7781.6	7484.5	7134.7	6749.5	6325.9
-20°	9096.2	8854.3	8626.6	8406.0	8199.1	7976.5	7696.5	7402.3	7034.7	6642.9	6222.0



REPORT NUMBER: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-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°	9003.5	8784.3	8553.9	8314.7	8111.2	7875.1	7601.0	7296.4	6904.8	6525.9	6089.7
-25°	8901.3	8679.9	8441.9	8219.4	8002.7	7768.2	7486.5	7141.2	6769.1	6375.0	5929.2
-27.5°	8780.5	8547.8	8301.9	8075.6	7846.6	7615.8	7324.6	6976.7	6618.6	6187.6	5754.8
-30°	8617.4	8377.2	8126.6	7867.7	7658.4	7422.9	7135.1	6797.2	6412.6	5987.1	5575.2
-32.5°	8396.0	8170.1	7919.4	7673.3	7454.7	7207.7	6917.1	6581.7	6177.9	5775.5	5347.0
-35°	8171.0	7936.9	7697.9	7466.3	7236.1	6977.4	6680.7	6315.6	5929.8	5531.1	5086.5
-37.5°	7914.0	7670.3	7445.7	7225.6	6988.1	6722.9	6395.5	6042.8	5666.6	5228.3	4805.2
-40°	7638.0	7403.2	7157.9	6940.3	6687.0	6419.5	6103.1	5760.3	5346.6	4913.4	4515.7
-42.5°	7310.2	7075.5	6823.0	6580.7	6334.6	6080.3	5794.5	5423.6	5013.6	4604.9	4191.9
-45°	6914.4	6679.6	6431.4	6181.6	5951.3	5704.1	5438.2	5042.7	4637.8	4248.4	3852.0
-47.5°	6469.0	6241.4	6002.0	5754.3	5535.2	5287.1	4963.1	4595.2	4236.9	3866.4	3460.6
-50°	5985.4	5768.8	5547.3	5317.5	5071.5	4791.6	4480.7	4159.7	3804.8	3424.3	3053.7
-52.5°	5456.8	5258.6	5049.5	4828.6	4574.6	4296.8	4005.6	3664.7	3310.6	2987.8	2650.7
-55°	4905.1	4709.4	4502.8	4282.1	4045.2	3770.4	3468.7	3158.7	2869.6	2571.0	2313.8
-57.5°	4294.7	4109.2	3912.4	3704.0	3485.4	3229.7	2965.0	2702.0	2473.1	2241.0	2007.7
-60°	3642.3	3469.1	3301.6	3117.0	2915.1	2695.1	2502.1	2308.0	2113.8	1928.6	1740.6
-62.5°	3010.4	2865.5	2715.0	2565.2	2411.7	2252.9	2092.9	1943.1	1790.0	1633.0	1494.6
-65°	2413.2	2303.0	2184.3	2080.6	1971.7	1856.9	1728.4	1610.9	1499.5	1384.5	1266.8
-67.5°	1911.9	1833.2	1749.4	1667.6	1592.9	1513.5	1423.2	1328.2	1239.9	1154.7	1068.1
-70°	1499.8	1447.8	1393.3	1333.6	1274.0	1214.1	1147.7	1077.8	1006.9	943.1	882.0
-72.5°	1151.2	1115.2	1073.8	1030.8	985.0	944.2	898.8	851.6	803.6	755.2	709.1
-75°	890.7	864.7	836.3	804.2	765.3	719.3	685.2	662.2	633.2	598.0	559.6
-77.5°	704.5	685.5	665.1	637.7	609.4	580.1	551.2	522.6	494.4	467.7	443.3
-80°	518.3	509.3	498.1	475.4	452.7	430.1	408.5	391.0	374.5	356.4	334.1
-82.5°	304.3	303.2	300.0	287.3	274.6	262.0	249.8	237.4	224.4	210.8	197.1
-85°	98.3	103.7	108.1	110.2	111.4	111.8	111.1	107.9	104.1	99.8	95.2
-87.5°	21.5	21.6	21.7	22.5	23.3	23.9	24.4	25.6	26.7	27.5	28.2
-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: P645535 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	1.0	1.0	1.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.9	2.1	2.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.2
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.1	3.5
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.1	3.6
75°	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.2	2.6	3.1	3.6
72.5°	2.0	2.0	2.0	2.2	2.5	2.6	2.3	2.2	2.7	3.2	3.7
70°	2.3	2.1	2.0	2.3	2.8	3.2	3.1	3.2	2.8	3.2	3.7
67.5°	2.9	3.0	2.8	2.7	2.9	3.4	3.9	4.5	4.4	3.3	3.8
65°	3.1	3.5	4.2	5.6	5.0	3.5	3.9	7.8	6.2	5.3	3.8
62.5°	6.6	3.7	12.6	16.8	9.5	7.4	5.9	17.3	10.9	7.4	5.3
60°	15.6	12.8	35.1	56.2	39.2	13.2	19.4	30.1	27.6	9.5	7.5
57.5°	145.9	50.2	72.7	105.1	103.2	56.0	40.8	54.5	46.9	27.0	10.6
55°	311.4	262.1	173.0	158.4	171.1	138.1	89.9	88.2	72.4	50.1	17.1
52.5°	427.2	445.8	388.0	271.0	236.0	224.8	175.6	128.0	113.6	75.3	43.5
50°	618.3	575.8	570.1	478.6	330.9	299.5	259.3	199.9	159.4	107.7	73.6
47.5°	873.5	767.3	711.0	669.9	528.1	381.9	340.1	273.4	209.9	155.1	105.1
45°	1248.3	991.8	882.8	816.2	723.7	537.1	425.6	344.8	273.6	208.2	138.0
42.5°	1624.6	1282.3	1079.1	971.3	875.2	712.3	517.1	427.1	335.7	262.3	179.8
40°	1956.8	1581.9	1285.4	1146.8	1023.9	881.6	665.3	515.2	396.5	318.0	227.4
37.5°	2356.8	1923.0	1522.8	1330.8	1182.4	1023.0	815.5	607.2	469.7	376.4	275.0
35°	2743.7	2364.5	1788.4	1553.0	1358.9	1168.0	960.3	715.9	559.5	435.7	322.6
32.5°	3159.1	2779.8	2189.6	1801.1	1541.5	1316.2	1095.6	848.1	649.8	495.8	370.1
30°	3486.2	3053.2	2541.6	2049.5	1740.2	1481.6	1230.7	975.0	740.3	556.4	418.0
27.5°	3659.6	3289.7	2819.4	2326.3	1963.8	1651.1	1369.9	1096.2	830.7	623.0	467.9
25°	3838.9	3456.3	3018.0	2568.2	2184.6	1830.6	1508.6	1211.8	929.5	698.1	517.2
22.5°	4053.4	3598.0	3185.5	2760.0	2412.4	2012.5	1653.9	1328.8	1028.1	771.7	565.8
20°	4268.7	3729.6	3350.7	3020.9	2635.9	2209.4	1805.9	1443.0	1121.2	843.5	613.3
17.5°	4494.8	3968.4	3631.2	3275.5	2858.6	2400.1	1955.6	1553.6	1208.6	912.9	659.4
15°	4888.3	4326.1	3913.8	3523.3	3080.3	2583.5	2101.7	1659.9	1290.1	979.6	702.4
12.5°	5245.5	4659.1	4196.6	3762.9	3298.3	2758.5	2242.7	1761.0	1365.6	1032.8	740.6
10°	5541.2	4967.9	4476.1	3992.8	3509.9	2923.7	2377.0	1843.3	1410.9	1072.5	775.9
7.5°	5783.2	5253.3	4748.6	4211.7	3691.6	3031.6	2444.8	1891.3	1446.0	1106.3	808.0
5°	5958.2	5443.7	4893.4	4288.0	3748.4	3076.0	2490.8	1930.4	1474.3	1134.6	836.9
2.5°	6008.6	5502.2	4947.8	4329.7	3786.9	3104.7	2523.7	1960.3	1496.1	1157.5	862.6
0°	6037.9	5540.7	4981.9	4355.4	3806.5	3118.4	2543.6	1980.8	1511.5	1175.4	885.0
-2.5°	6078.9	5573.9	5014.8	4421.4	3819.5	3160.1	2554.9	1994.2	1531.0	1181.8	898.0
-5°	6099.4	5586.8	5030.5	4465.8	3816.1	3185.0	2553.5	1998.4	1543.6	1184.0	907.6
-7.5°	6090.4	5582.5	5031.1	4479.7	3798.9	3190.7	2539.6	1994.0	1548.8	1182.4	913.5
-10°	6062.9	5559.8	5011.8	4443.7	3783.0	3168.2	2514.9	1981.3	1545.7	1177.3	915.8
-12.5°	6021.1	5517.5	4972.6	4392.0	3749.8	3121.7	2485.8	1959.6	1533.2	1169.2	914.3
-15°	5966.9	5456.0	4912.9	4326.2	3695.4	3059.9	2442.0	1928.0	1508.9	1159.9	908.9
-17.5°	5897.4	5375.7	4832.6	4248.2	3618.7	2983.2	2383.2	1887.0	1478.6	1148.7	897.9
-20°	5773.3	5267.9	4730.4	4159.6	3519.1	2892.4	2309.1	1836.4	1442.4	1132.6	882.3



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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°	5633.8	5134.5	4603.1	4039.9	3399.2	2788.0	2219.6	1776.2	1400.6	1111.7	863.5
-25°	5485.1	4984.3	4455.1	3874.3	3266.6	2677.7	2129.9	1706.6	1353.6	1085.9	841.7
-27.5°	5310.4	4814.1	4287.4	3691.9	3112.8	2549.7	2044.0	1644.9	1308.1	1055.0	816.9
-30°	5114.0	4614.0	4077.8	3497.3	2944.1	2401.6	1947.5	1579.1	1269.6	1021.4	789.3
-32.5°	4889.0	4393.6	3845.5	3298.2	2766.0	2244.5	1841.1	1508.6	1225.2	985.7	763.7
-35°	4632.8	4137.1	3599.4	3084.3	2577.2	2117.6	1737.1	1433.9	1174.7	947.1	736.8
-37.5°	4366.0	3861.8	3353.2	2861.0	2376.6	1980.3	1643.5	1360.0	1118.4	905.7	707.1
-40°	4061.3	3578.5	3094.9	2631.0	2202.8	1832.7	1542.2	1287.2	1065.2	861.7	674.5
-42.5°	3747.4	3281.4	2825.5	2387.5	2031.4	1712.6	1436.2	1208.7	1009.0	819.2	639.3
-45°	3409.0	2967.7	2538.9	2182.4	1856.9	1585.4	1343.3	1127.4	949.1	775.7	602.8
-47.5°	3052.0	2637.1	2278.5	1968.6	1708.7	1457.6	1244.5	1057.0	886.2	729.1	566.3
-50°	2673.9	2329.3	2038.6	1782.8	1548.8	1342.5	1146.1	983.3	828.5	677.5	528.0
-52.5°	2338.7	2062.6	1822.1	1603.2	1407.9	1221.5	1061.3	907.8	769.1	628.2	487.9
-55°	2051.6	1825.2	1622.3	1440.1	1268.2	1117.7	973.3	840.7	708.0	578.8	447.4
-57.5°	1803.6	1605.8	1443.4	1285.1	1143.2	1014.9	893.1	772.2	649.5	527.6	415.3
-60°	1565.4	1417.7	1273.2	1146.0	1025.8	916.9	817.4	703.6	590.4	476.4	379.7
-62.5°	1359.7	1233.6	1124.3	1013.4	913.6	824.9	741.2	636.6	529.6	429.1	341.0
-65°	1166.8	1070.0	977.0	888.5	805.7	730.4	662.8	567.9	468.7	378.9	300.8
-67.5°	983.7	910.7	837.7	763.5	698.3	637.4	579.5	493.7	405.1	326.1	261.0
-70°	820.1	757.8	700.6	645.4	592.5	541.8	487.2	414.8	338.5	278.8	220.2
-72.5°	665.7	620.1	572.6	527.2	488.2	443.6	393.3	336.9	283.4	230.6	178.5
-75°	522.7	492.7	459.2	423.1	386.7	346.9	313.7	274.2	227.6	181.5	143.8
-77.5°	418.2	388.9	355.3	326.6	302.3	275.0	244.9	210.6	173.6	141.2	111.2
-80°	308.5	286.1	267.1	250.6	228.0	203.2	178.1	153.2	126.2	101.1	77.9
-82.5°	188.2	183.3	178.0	170.4	151.6	133.1	115.0	97.2	78.1	60.4	50.0
-85°	94.1	92.2	89.4	85.4	73.8	62.6	57.3	52.0	45.6	39.4	33.4
-87.5°	30.9	33.3	35.1	36.5	33.9	31.3	28.7	26.1	22.8	19.7	16.7
-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°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
85°	2.1	1.7	1.4	1.0	0.7	0.4	0.0
82.5°	3.1	2.6	2.1	1.6	1.0	0.7	0.0
80°	4.0	3.4	2.8	2.1	1.4	0.9	0.0
77.5°	4.0	4.0	3.4	2.6	1.7	1.1	0.0
75°	4.1	4.2	4.0	3.1	2.1	1.3	0.0
72.5°	4.1	4.3	4.2	3.6	2.5	1.5	0.0
70°	4.2	4.5	4.4	4.0	2.8	1.7	0.0
67.5°	4.7	4.6	4.6	4.2	3.2	1.9	0.0
65°	5.4	5.3	4.8	4.4	3.5	2.2	0.0
62.5°	6.3	6.6	5.0	4.6	3.9	2.4	0.0
60°	7.4	8.0	5.3	4.8	4.3	2.6	0.0
57.5°	13.6	9.6	6.8	5.1	4.5	2.8	0.0
55°	21.7	11.3	8.4	5.3	4.7	3.0	0.0
52.5°	31.1	14.5	10.2	5.5	4.9	3.2	0.0
50°	41.9	24.7	12.0	5.7	5.2	3.4	0.0
47.5°	56.4	35.7	13.9	6.2	5.4	3.6	0.0
45°	85.1	47.4	15.9	7.8	5.6	3.7	0.0
42.5°	114.5	60.0	17.9	9.3	5.9	3.9	0.0
40°	144.5	73.2	24.1	11.2	6.1	4.1	0.0
37.5°	175.1	87.1	34.5	13.6	6.4	4.3	0.0
35°	206.2	108.3	45.0	16.2	6.6	4.4	0.0
32.5°	239.9	132.8	55.7	19.1	6.9	4.6	0.0
30°	278.5	157.1	66.4	22.3	7.2	4.8	0.0
27.5°	316.3	181.2	79.7	25.7	7.4	4.9	0.0
25°	353.2	204.8	93.3	29.2	7.7	5.1	0.0
22.5°	389.0	228.9	106.9	32.9	7.9	5.2	0.0
20°	423.6	254.8	120.3	36.7	8.2	5.3	0.0
17.5°	457.8	279.9	133.5	40.5	8.4	5.4	0.0
15°	490.7	303.9	146.4	44.4	8.7	5.5	0.0
12.5°	521.5	326.9	158.9	48.3	8.9	5.6	0.0
10°	550.1	348.6	170.8	52.1	9.1	5.7	0.0
7.5°	576.3	368.8	182.1	55.8	9.3	5.8	0.0
5°	600.1	387.5	192.6	59.3	9.5	5.9	0.0
2.5°	621.5	404.5	202.2	62.6	9.7	6.0	0.0
0°	640.4	419.6	210.8	65.6	9.9	6.0	0.0
-2.5°	649.8	429.2	218.8	69.9	11.5	6.3	0.0
-5°	656.6	436.7	225.7	73.8	13.0	6.7	0.0
-7.5°	661.0	442.2	231.2	77.3	14.5	7.0	0.0
-10°	663.0	445.7	235.4	80.4	15.9	7.3	0.0
-12.5°	662.6	447.1	238.3	82.9	17.3	7.5	0.0
-15°	660.0	446.4	239.6	85.0	18.6	7.8	0.0
-17.5°	655.2	443.8	239.5	86.5	19.8	8.0	0.0
-20°	647.7	439.1	237.7	87.3	20.9	8.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	636.9	432.4	234.4	87.6	21.9	8.4	0.0
-25°	623.5	422.0	229.4	87.2	22.7	8.5	0.0
-27.5°	607.7	409.0	222.7	86.1	23.5	8.6	0.0
-30°	589.4	394.3	214.3	84.4	24.1	8.6	0.0
-32.5°	568.6	377.8	204.6	81.9	24.6	8.7	0.0
-35°	546.1	359.6	193.7	78.7	24.9	8.7	0.0
-37.5°	521.9	341.3	181.8	74.7	25.1	8.6	0.0
-40°	495.9	324.7	168.8	70.1	25.1	8.5	0.0
-42.5°	468.1	306.9	158.9	65.0	25.0	8.4	0.0
-45°	438.5	288.1	152.2	59.9	24.7	8.2	0.0
-47.5°	407.2	268.1	144.3	54.1	24.2	8.0	0.0
-50°	381.0	247.0	135.1	52.2	23.6	7.8	0.0
-52.5°	354.9	225.0	124.8	51.2	22.9	7.5	0.0
-55°	327.7	208.3	113.4	49.6	22.0	7.2	0.0
-57.5°	299.5	191.4	100.9	47.4	20.9	6.8	0.0
-60°	270.9	172.9	87.8	44.8	19.8	6.4	0.0
-62.5°	244.8	152.9	81.5	41.6	18.6	6.0	0.0
-65°	216.7	131.6	74.4	37.9	17.2	5.6	0.0
-67.5°	187.0	113.7	66.5	33.9	15.8	5.1	0.0
-70°	155.6	99.5	57.9	29.4	14.3	4.6	0.0
-72.5°	131.6	84.3	48.5	25.9	12.7	4.1	0.0
-75°	107.6	68.1	38.6	22.5	11.0	3.5	0.0
-77.5°	82.4	51.1	31.9	19.0	9.3	3.0	0.0
-80°	56.2	38.9	25.8	15.3	7.5	2.4	0.0
-82.5°	41.3	29.4	19.5	11.6	5.7	1.8	0.0
-85°	27.7	19.7	13.1	7.8	3.8	1.2	0.0
-87.5°	13.9	9.9	6.6	3.9	1.9	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)