

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: P645587 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA6E-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645587 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA6E-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

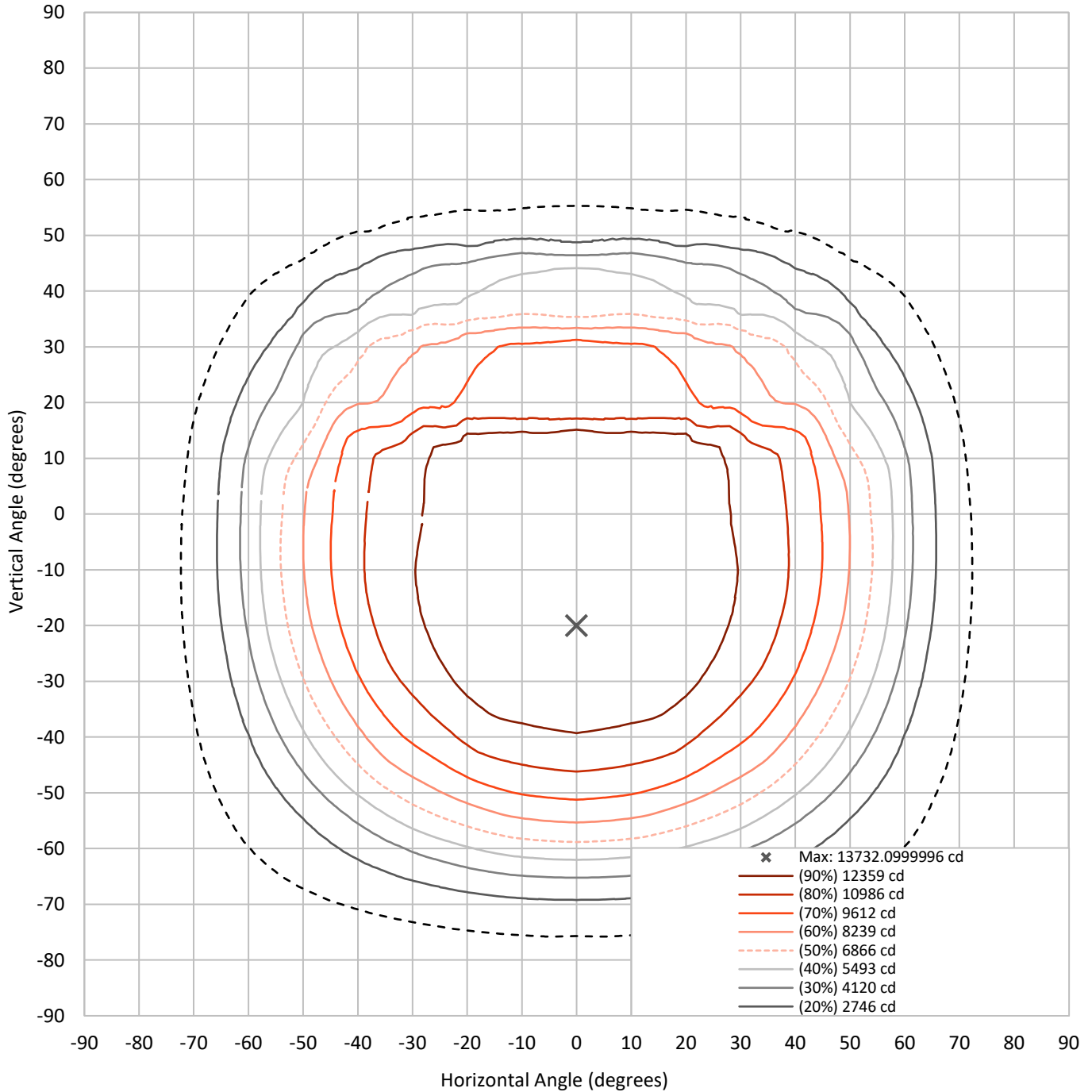
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	32198.9 lumens	Max Intensity:	13732.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	85.5 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:	25171.2 lumens	Field Lumens:	31559.5 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	376.7		
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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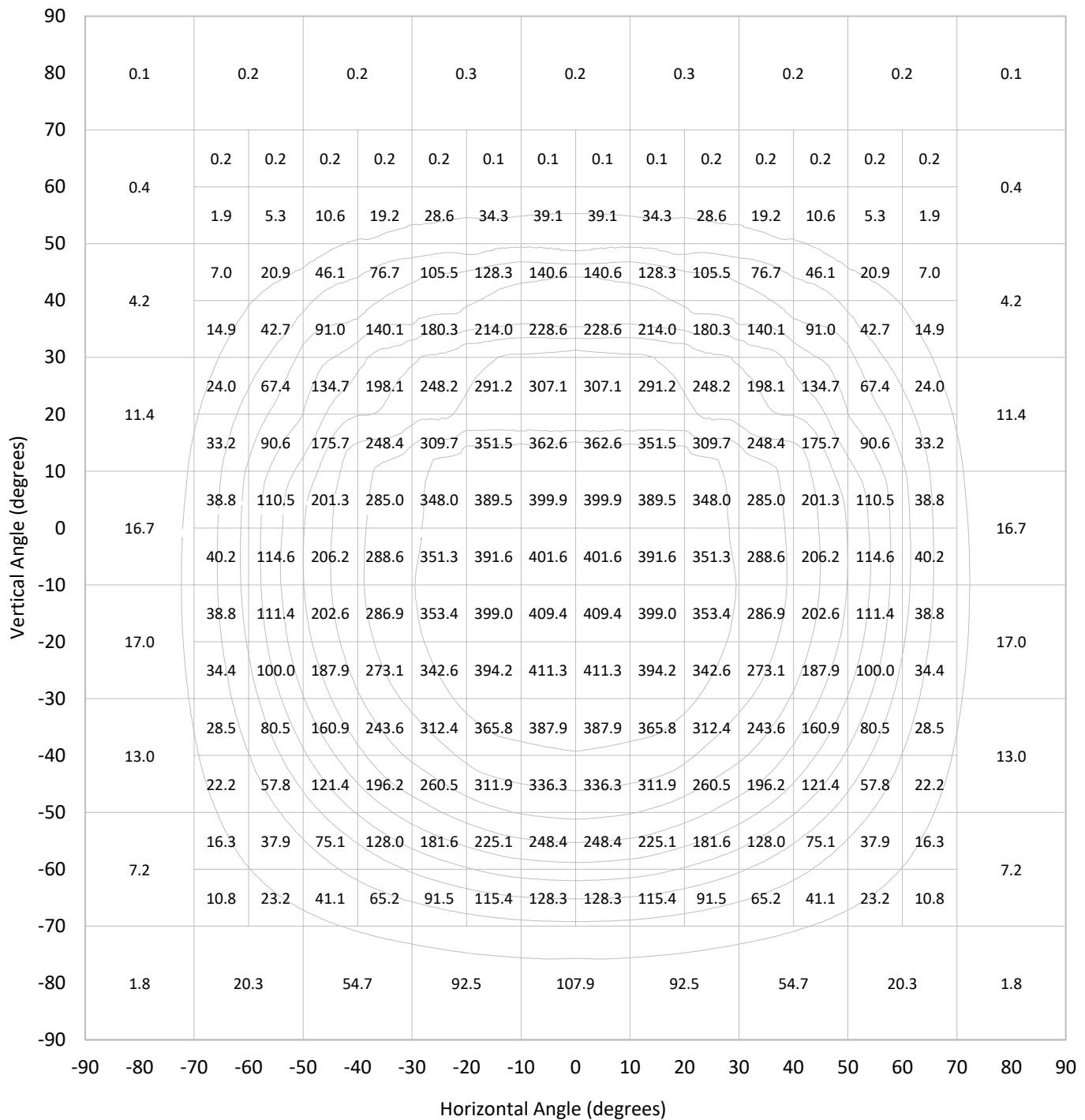
Iso-Candela Plot





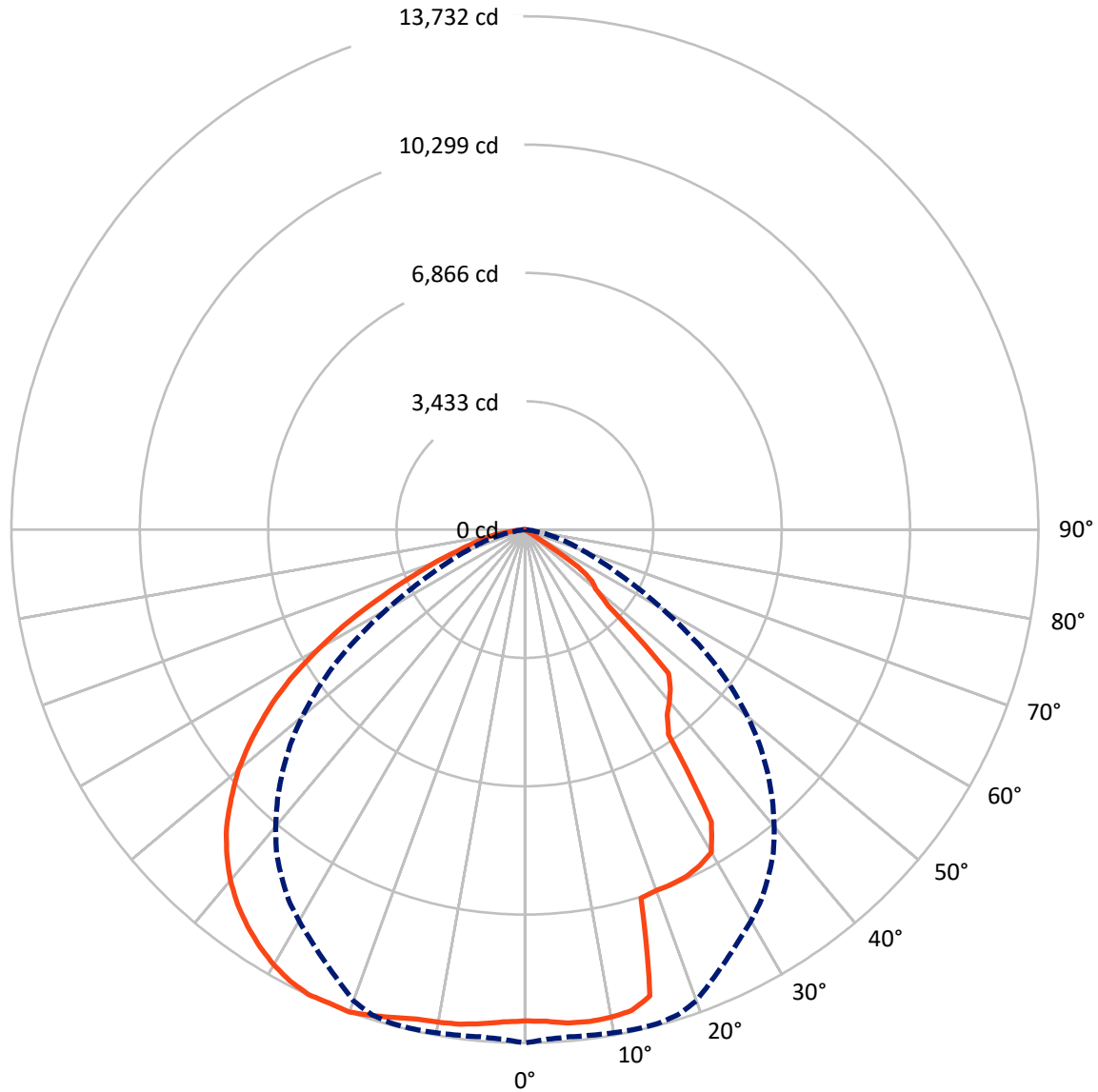
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Lumen Table



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Luminous Intensity Polar Plot

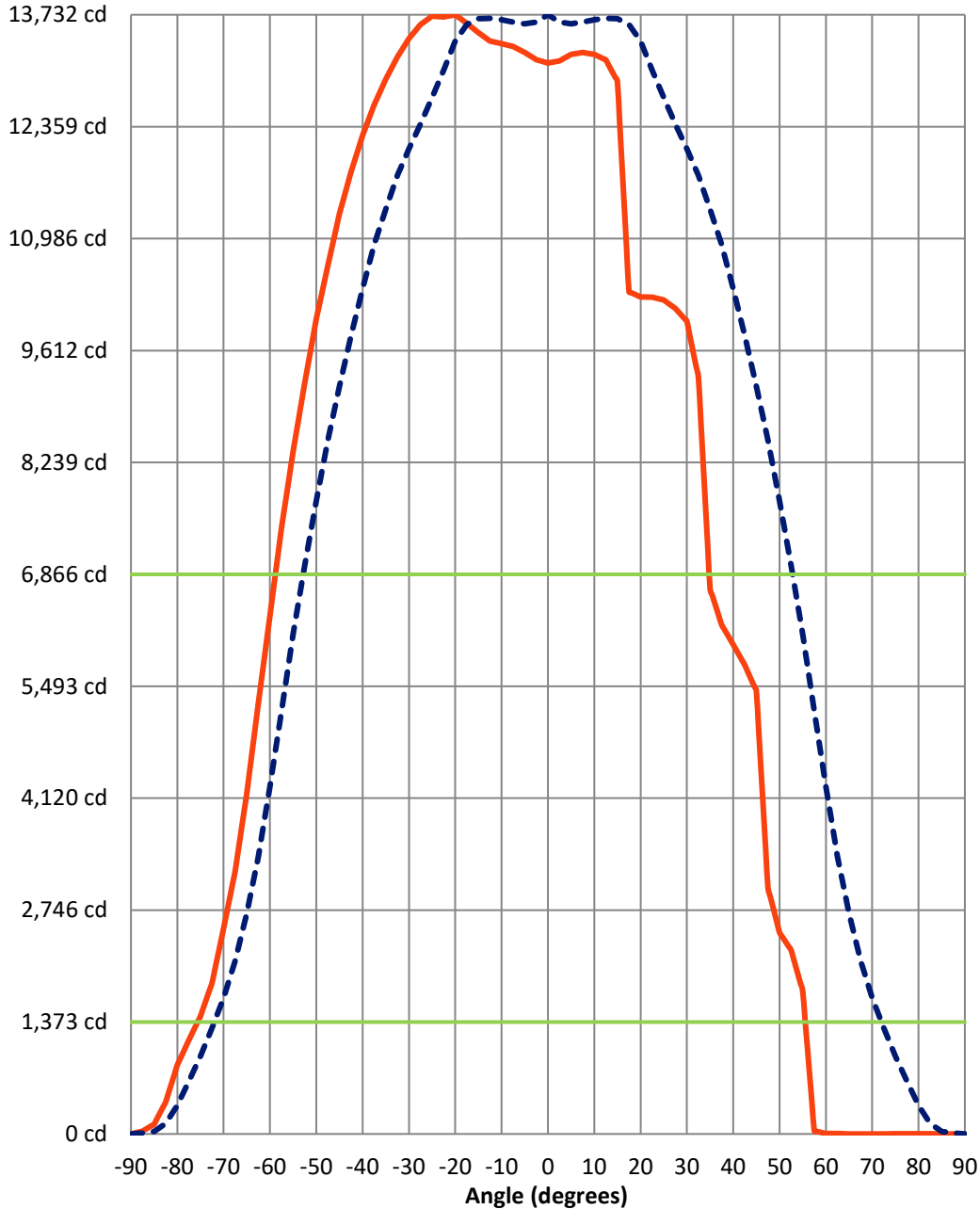


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 25171.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 31559.5
 Efficiency: 98.0%

Spill:
 Lumens: 639.4
 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	0.3	0.5	0.8	1.0	1.3	1.5	1.5	1.5	1.4	1.2
85°	0.0	0.6	1.0	1.5	2.0	2.6	3.1	3.1	3.0	2.8	2.5
82.5°	0.0	1.0	1.5	2.3	3.1	3.8	4.6	4.7	4.4	3.7	3.0
80°	0.0	1.3	2.1	3.1	4.1	5.1	5.9	5.2	4.5	3.7	3.0
77.5°	0.0	1.6	2.6	3.8	5.1	6.0	5.9	5.3	4.5	3.8	3.1
75°	0.0	1.9	3.1	4.6	5.9	6.1	6.0	5.3	4.6	3.9	3.1
72.5°	0.0	2.2	3.6	5.3	6.2	6.3	6.1	5.4	4.7	3.9	3.2
70°	0.0	2.5	4.2	6.0	6.5	6.6	6.2	5.4	4.7	4.1	4.7
67.5°	0.0	2.9	4.7	6.2	6.8	6.8	6.9	5.5	4.9	6.5	6.6
65°	0.0	3.2	5.2	6.5	7.1	7.8	7.9	5.6	7.8	9.2	11.5
62.5°	0.0	3.5	5.7	6.8	7.4	9.7	9.2	7.9	10.9	16.1	25.6
60°	0.0	3.8	6.3	7.1	7.7	11.8	10.9	11.1	14.1	40.7	44.3
57.5°	0.0	4.1	6.6	7.4	10.0	14.1	20.1	15.6	39.9	69.2	80.4
55°	0.0	4.4	6.9	7.7	12.4	16.7	32.0	25.3	73.9	106.7	130.1
52.5°	0.0	4.7	7.3	8.1	15.0	21.3	45.9	64.2	111.0	167.5	188.7
50°	0.0	4.9	7.6	8.4	17.7	36.4	61.8	108.5	158.7	235.0	294.7
47.5°	0.0	5.2	8.0	9.2	20.4	52.6	83.2	154.9	228.7	309.5	403.1
45°	0.0	5.5	8.3	11.4	23.4	69.9	125.5	203.5	307.0	403.4	508.3
42.5°	0.0	5.8	8.7	13.6	26.4	88.4	168.8	265.1	386.7	494.9	629.6
40°	0.0	6.0	9.0	16.5	35.5	107.9	213.1	335.2	468.8	584.6	759.5
37.5°	0.0	6.3	9.4	20.0	50.8	128.5	258.2	405.4	554.9	692.4	895.1
35°	0.0	6.5	9.8	23.9	66.3	159.7	304.1	475.6	642.4	824.8	1055.3
32.5°	0.0	6.8	10.2	28.2	82.1	195.8	353.8	545.6	730.9	957.9	1250.3
30°	0.0	7.0	10.6	32.8	97.9	231.7	410.6	616.2	820.2	1091.4	1437.3
27.5°	0.0	7.2	10.9	37.8	117.5	267.1	466.3	689.7	918.4	1224.6	1616.0
25°	0.0	7.4	11.3	43.0	137.6	302.0	520.7	762.5	1029.1	1370.2	1786.4
22.5°	0.0	7.6	11.7	48.4	157.6	337.6	573.5	834.1	1137.7	1515.6	1958.9
20°	0.0	7.8	12.1	54.0	177.4	375.7	624.5	904.1	1243.4	1652.9	2127.2
17.5°	0.0	8.0	12.5	59.7	196.9	412.6	674.9	972.1	1345.8	1781.7	2290.2
15°	0.0	8.1	12.8	65.4	215.9	448.1	723.4	1035.4	1444.1	1901.8	2446.9
12.5°	0.0	8.3	13.2	71.1	234.3	482.0	768.8	1091.8	1522.6	2013.0	2595.9
10°	0.0	8.4	13.5	76.8	251.9	513.9	810.9	1143.8	1581.1	2079.8	2717.3
7.5°	0.0	8.5	13.8	82.2	268.5	543.8	849.5	1191.1	1630.9	2131.5	2788.1
5°	0.0	8.6	14.1	87.4	283.9	571.3	884.7	1233.8	1672.5	2173.3	2845.7
2.5°	0.0	8.7	14.4	92.2	298.1	596.4	916.2	1271.6	1706.2	2205.3	2889.8
0°	0.0	8.8	14.7	96.7	310.8	618.6	944.0	1304.6	1732.6	2228.1	2920.0
-2.5°	0.0	9.3	17.0	103.0	322.6	632.7	957.8	1323.8	1742.1	2256.8	2939.7
-5°	0.0	9.8	19.2	108.8	332.7	643.8	967.9	1337.9	1745.4	2275.5	2946.0
-7.5°	0.0	10.2	21.4	114.0	340.9	651.9	974.4	1346.7	1743.0	2283.1	2939.4
-10°	0.0	10.7	23.5	118.5	347.1	657.0	977.3	1350.0	1735.5	2278.6	2920.7
-12.5°	0.0	11.1	25.6	122.3	351.2	659.0	976.8	1347.8	1723.5	2260.2	2888.7
-15°	0.0	11.4	27.4	125.3	353.2	658.1	972.9	1339.8	1709.9	2224.4	2842.2
-17.5°	0.0	11.7	29.2	127.5	353.0	654.1	965.9	1323.7	1693.3	2179.6	2781.6
-20°	0.0	12.0	30.8	128.8	350.4	647.2	954.8	1300.6	1669.6	2126.3	2707.0

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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	12.3	32.3	129.2	345.5	637.3	938.8	1272.9	1638.8	2064.7	2618.4
-25°	0.0	12.5	33.6	128.6	338.1	622.0	919.2	1240.8	1600.7	1995.4	2515.7
-27.5°	0.0	12.6	34.7	127.0	328.3	602.9	895.8	1204.3	1555.3	1928.4	2424.8
-30°	0.0	12.7	35.6	124.4	315.9	581.2	868.8	1163.5	1505.7	1871.6	2327.8
-32.5°	0.0	12.7	36.3	120.7	301.6	556.9	838.1	1125.8	1453.0	1806.1	2223.9
-35°	0.0	12.7	36.7	116.0	285.6	530.0	805.0	1086.2	1396.1	1731.7	2113.7
-37.5°	0.0	12.6	37.0	110.2	268.0	503.1	769.4	1042.3	1335.2	1648.7	2004.9
-40°	0.0	12.5	37.0	103.3	248.8	478.6	731.0	994.3	1270.3	1570.3	1897.5
-42.5°	0.0	12.3	36.8	95.9	234.3	452.4	690.0	942.3	1207.6	1487.5	1781.8
-45°	0.0	12.1	36.4	88.4	224.4	424.6	646.3	888.5	1143.4	1399.1	1661.9
-47.5°	0.0	11.8	35.7	79.8	212.7	395.1	600.2	834.7	1074.7	1306.4	1558.2
-50°	0.0	11.4	34.8	77.0	199.2	364.1	561.7	778.2	998.8	1221.3	1449.6
-52.5°	0.0	11.0	33.7	75.4	184.0	331.6	523.1	719.2	926.1	1133.7	1338.2
-55°	0.0	10.5	32.4	73.1	167.2	307.1	483.1	659.5	853.2	1043.7	1239.3
-57.5°	0.0	10.0	30.8	69.9	148.8	282.1	441.5	612.1	777.8	957.5	1138.3
-60°	0.0	9.5	29.1	66.0	129.4	254.8	399.3	559.7	702.3	870.3	1037.3
-62.5°	0.0	8.9	27.3	61.3	120.2	225.4	360.8	502.6	632.5	780.8	938.4
-65°	0.0	8.2	25.3	55.9	109.7	194.0	319.5	443.4	558.5	690.9	837.1
-67.5°	0.0	7.5	23.3	49.9	98.1	167.7	275.6	384.7	480.7	597.1	727.8
-70°	0.0	6.8	21.0	43.3	85.3	146.7	229.3	324.6	410.9	499.0	611.4
-72.5°	0.0	6.0	18.7	38.1	71.5	124.2	194.0	263.2	339.9	417.8	496.6
-75°	0.0	5.2	16.2	33.1	56.9	100.3	158.6	212.1	267.5	335.5	404.2
-77.5°	0.0	4.4	13.7	27.9	47.0	75.3	121.5	163.9	208.1	255.9	310.4
-80°	0.0	3.5	11.0	22.6	38.0	57.4	82.9	114.9	149.0	186.0	225.8
-82.5°	0.0	2.7	8.3	17.0	28.7	43.4	60.9	73.7	89.0	115.1	143.3
-85°	0.0	1.8	5.6	11.4	19.3	29.1	40.8	49.3	58.1	67.2	76.7
-87.5°	0.0	0.9	2.8	5.7	9.7	14.6	20.5	24.7	29.1	33.6	38.4
-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):

	-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°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
85°	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	3.1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	3.4	3.7	3.7	3.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	4.6	4.7	4.1	3.4	2.9	3.1	3.3	3.2	2.9	2.9	2.9
67.5°	5.7	5.0	4.3	4.0	4.0	4.4	4.3	3.6	2.9	2.9	3.0
65°	5.8	5.1	7.3	8.3	6.2	5.2	4.5	3.7	4.0	4.2	4.2
62.5°	8.8	11.0	14.0	24.8	18.6	5.4	9.7	11.4	8.4	7.0	7.4
60°	28.6	19.5	57.8	82.8	51.7	18.9	23.1	76.6	66.4	12.2	41.4
57.5°	60.2	82.6	152.2	154.9	107.2	73.9	215.0	248.4	188.0	109.7	167.8
55°	132.6	203.7	252.3	233.6	255.1	386.3	459.0	412.3	347.1	533.9	682.1
52.5°	259.0	331.6	348.0	399.6	572.0	657.1	629.7	673.4	873.3	1084.5	1130.3
50°	382.3	441.6	487.9	705.5	840.3	848.9	911.5	1109.5	1376.1	1505.4	1474.1
47.5°	501.4	563.0	778.5	987.5	1048.1	1131.1	1287.6	1669.8	1952.2	1957.8	1925.9
45°	627.5	791.8	1066.8	1203.2	1301.5	1461.9	1840.1	2367.4	2394.8	2471.3	2942.5
42.5°	762.4	1050.1	1290.1	1431.9	1590.7	1890.2	2394.9	2740.8	2859.8	3195.1	3574.0
40°	980.7	1299.7	1509.4	1690.6	1894.8	2331.9	2884.6	3208.7	3305.4	3595.6	3880.4
37.5°	1202.2	1508.1	1743.1	1961.7	2244.7	2834.7	3474.2	3741.4	3790.3	3843.4	4474.6
35°	1415.6	1721.9	2003.1	2289.2	2636.3	3485.6	4044.5	4295.8	4288.1	4646.3	5307.2
32.5°	1615.1	1940.3	2272.3	2655.0	3227.7	4097.7	4656.9	4807.4	5035.5	5556.9	6459.0
30°	1814.3	2184.1	2565.2	3021.1	3746.6	4500.7	5139.1	5381.1	5772.2	6367.2	7023.8
27.5°	2019.5	2434.0	2894.9	3429.2	4156.1	4849.4	5394.6	5973.0	6352.9	6886.2	7353.3
25°	2223.8	2698.5	3220.4	3785.8	4448.9	5095.1	5658.9	6326.9	6734.8	7164.7	7600.5
22.5°	2438.1	2966.7	3556.1	4068.5	4695.8	5303.8	5975.2	6699.7	7230.1	7503.3	7795.8
20°	2662.1	3256.9	3885.6	4453.2	4939.4	5497.8	6292.7	7173.0	7857.7	8165.1	8205.3
17.5°	2882.8	3538.0	4214.0	4828.5	5352.9	5849.9	6626.0	7740.0	8591.4	8877.2	9004.4
15°	3098.2	3808.5	4540.7	5193.8	5769.4	6377.2	7206.0	8338.8	9312.2	9628.5	9828.5
12.5°	3306.0	4066.4	4862.1	5547.0	6186.3	6868.1	7732.6	8769.6	9658.1	10269.9	10636.9
10°	3504.0	4309.8	5174.0	5885.9	6598.3	7323.3	8168.4	9090.6	9813.8	10403.9	10924.8
7.5°	3603.9	4469.0	5442.0	6208.6	7000.1	7743.9	8525.3	9316.8	9925.9	10504.7	11008.4
5°	3671.8	4534.4	5525.7	6321.0	7213.5	8024.6	8783.2	9465.4	9999.1	10572.8	11064.8
2.5°	3720.3	4576.8	5582.3	6382.5	7293.7	8110.9	8857.5	9515.1	10059.6	10621.5	11125.3
0°	3749.6	4596.9	5611.3	6420.4	7343.9	8167.7	8900.6	9533.9	10099.7	10645.0	11187.3
-2.5°	3766.2	4658.4	5630.5	6517.7	7392.4	8216.6	8961.0	9579.1	10170.4	10689.3	11233.0
-5°	3764.1	4695.1	5625.5	6583.0	7415.6	8235.7	8991.2	9599.6	10208.8	10722.5	11251.7
-7.5°	3743.7	4703.6	5600.1	6603.6	7416.6	8229.2	8978.0	9609.4	10208.2	10753.0	11253.4
-10°	3707.2	4670.4	5576.6	6550.6	7388.1	8195.9	8937.4	9587.9	10184.4	10746.9	11243.7
-12.5°	3664.3	4601.8	5527.8	6474.3	7330.3	8133.5	8875.9	9533.0	10139.7	10700.8	11221.2
-15°	3599.8	4510.6	5447.4	6377.4	7242.3	8042.8	8796.1	9443.4	10070.9	10620.5	11154.7
-17.5°	3513.1	4397.7	5334.4	6262.4	7123.8	7924.5	8693.6	9325.1	9949.6	10517.4	11033.0
-20°	3403.9	4263.8	5187.6	6131.8	6973.3	7765.6	8510.6	9172.0	9792.5	10370.0	10911.8



REPORT NUMBER: P645587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-730-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°	3271.9	4109.9	5010.8	5955.4	6785.6	7568.9	8305.0	8977.0	9620.0	10178.5	10755.9
-25°	3139.7	3947.2	4815.4	5711.3	6567.4	7347.4	8085.7	8740.4	9397.5	9978.5	10526.9
-27.5°	3013.1	3758.5	4588.7	5442.4	6320.2	7096.6	7828.2	8483.4	9121.3	9756.5	10284.5
-30°	2870.9	3540.2	4340.0	5155.6	6011.2	6801.6	7538.7	8218.6	8825.7	9452.9	10019.8
-32.5°	2714.1	3308.7	4077.4	4861.9	5668.8	6476.7	7206.9	7882.2	8513.8	9107.1	9702.2
-35°	2560.7	3121.7	3799.1	4546.7	5306.0	6098.6	6829.3	7498.2	8153.6	8741.3	9310.0
-37.5°	2422.7	2919.2	3503.3	4217.5	4943.1	5692.7	6436.0	7083.4	7707.1	8353.3	8907.8
-40°	2273.4	2701.7	3247.2	3878.4	4562.3	5275.2	5986.8	6656.6	7243.0	7881.5	8491.4
-42.5°	2117.1	2524.6	2994.5	3519.4	4165.1	4837.2	5524.1	6179.3	6788.2	7390.6	7995.0
-45°	1980.2	2337.1	2737.4	3217.0	3742.6	4374.8	5025.3	5678.3	6262.6	6836.7	7433.6
-47.5°	1834.6	2148.7	2518.8	2901.9	3358.8	3887.4	4499.0	5101.4	5699.5	6245.7	6773.9
-50°	1689.5	1979.1	2283.2	2628.1	3005.1	3433.5	3941.6	4501.5	5047.9	5608.7	6131.9
-52.5°	1564.5	1800.7	2075.4	2363.3	2686.1	3040.5	3447.5	3907.4	4404.4	4880.3	5402.3
-55°	1434.8	1647.7	1869.5	2122.9	2391.5	2690.6	3024.3	3410.9	3790.0	4230.2	4656.3
-57.5°	1316.6	1496.1	1685.2	1894.5	2127.7	2367.2	2658.8	2959.5	3303.6	3645.6	3983.1
-60°	1205.1	1351.7	1512.2	1689.4	1876.9	2090.0	2307.6	2565.9	2843.0	3116.0	3402.3
-62.5°	1092.6	1216.0	1346.8	1494.0	1657.4	1818.5	2004.4	2203.3	2407.3	2638.7	2864.4
-65°	977.0	1076.8	1187.7	1309.7	1440.2	1577.3	1720.1	1867.5	2040.9	2210.5	2374.6
-67.5°	854.3	939.6	1029.4	1125.5	1234.9	1342.6	1450.1	1574.5	1702.3	1827.8	1957.9
-70°	718.2	798.7	873.5	951.4	1032.8	1117.1	1209.0	1300.3	1390.3	1484.3	1588.7
-72.5°	579.8	653.9	719.7	777.3	844.1	914.1	981.3	1045.3	1113.3	1184.7	1255.4
-75°	462.4	511.3	570.1	623.8	676.9	726.3	770.5	824.9	881.6	933.5	976.2
-77.5°	360.9	405.4	445.6	481.6	523.9	573.3	616.5	653.5	689.5	728.8	770.4
-80°	262.6	299.5	336.1	369.4	393.8	421.7	454.8	492.6	525.4	552.1	576.3
-82.5°	169.5	196.2	223.4	251.2	262.5	270.2	277.4	290.6	310.9	330.9	350.0
-85°	84.5	92.2	108.8	125.9	131.8	135.9	138.7	140.3	147.2	153.5	159.1
-87.5°	42.3	46.2	50.0	53.8	51.8	49.0	45.6	41.5	40.5	39.3	37.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-730-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°	2.4	2.4	2.5	2.6	2.6	2.0	1.4	0.7	0.0	0.0	0.0
85°	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.7	2.7	2.1	1.4
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
67.5°	3.1	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.6	1.9
65°	4.1	4.0	4.2	4.1	3.6	3.5	3.6	3.5	3.2	2.5	1.7
62.5°	7.4	8.3	6.6	6.5	6.4	6.2	5.9	5.6	5.2	5.0	5.2
60°	46.0	27.2	15.9	18.5	16.6	11.1	14.1	16.5	16.7	15.3	13.5
57.5°	254.8	190.3	140.8	336.4	337.4	161.1	194.0	305.0	251.2	82.5	76.6
55°	708.9	847.8	1115.9	1059.9	1077.1	1238.9	1352.8	1197.7	1174.1	1251.2	1445.3
52.5°	1273.6	1406.1	1496.2	1580.5	1683.3	1793.6	1907.3	1979.6	2047.2	2119.2	2162.0
50°	1626.4	1813.1	1941.3	1894.1	2159.8	2268.4	2158.1	2256.7	2377.0	2410.0	2425.5
47.5°	2401.5	2675.3	2729.6	2906.0	3064.5	3061.1	2926.5	2934.3	3292.5	3608.5	3763.6
45°	3451.2	3460.5	3632.7	3944.2	4166.8	4096.8	4284.6	4711.7	4854.0	4991.5	5104.2
42.5°	3860.2	4029.7	4304.4	4579.9	4745.9	4889.8	5028.9	5185.9	5370.6	5520.3	5640.0
40°	4256.2	4392.8	4674.1	4896.0	5033.4	5167.8	5329.9	5503.8	5672.8	5804.4	5894.2
37.5°	4865.7	4971.6	5040.1	5246.0	5506.0	5386.0	5693.6	5914.1	6014.9	6148.5	6160.5
35°	5787.9	5717.4	5626.2	6445.8	6494.8	6218.0	6505.7	6847.6	6667.4	7042.7	7244.5
32.5°	6605.3	6594.8	7310.1	7741.1	7493.1	7695.5	8358.6	8329.2	8771.2	8976.3	8917.8
30°	7375.5	7638.2	8052.0	8372.9	8415.9	8735.0	9029.5	9287.4	9554.3	9793.4	9809.8
27.5°	7766.5	8109.3	8390.2	8575.9	8783.1	9051.6	9318.9	9609.4	9836.3	9986.3	10022.9
25°	8002.9	8353.3	8565.9	8765.8	8994.6	9226.2	9525.5	9841.8	10024.1	10116.6	10146.2
22.5°	8211.5	8526.3	8754.9	8917.1	9163.2	9412.5	9691.4	9959.3	10157.3	10197.7	10212.5
20°	8412.2	8714.7	9096.5	9335.2	9323.4	9604.1	9873.0	10086.0	10251.0	10250.1	10254.0
17.5°	8992.8	9100.8	9793.7	10319.8	10059.3	9921.9	10661.1	10675.2	10719.0	10631.8	10442.7
15°	9852.5	10049.0	10900.3	11470.6	11291.0	11281.6	12349.4	12084.6	12312.5	12252.8	12509.3
12.5°	10763.1	10995.8	11632.0	12192.0	12458.8	12524.4	12881.1	13215.2	13283.9	13256.8	13206.4
10°	11383.5	11715.0	11970.5	12310.4	12579.6	12854.1	13060.7	13300.7	13379.3	13333.8	13269.6
7.5°	11464.2	11791.9	12091.9	12390.2	12646.5	12867.7	13082.1	13277.5	13357.4	13331.0	13286.8
5°	11515.6	11812.4	12103.3	12405.8	12650.9	12855.9	13069.6	13267.4	13314.6	13282.9	13239.9
2.5°	11547.3	11822.0	12102.3	12403.6	12626.3	12821.4	13037.7	13248.8	13248.4	13234.5	13209.4
0°	11562.6	11838.2	12163.6	12436.2	12685.4	12870.1	13084.2	13289.4	13274.7	13236.6	13192.6
-2.5°	11595.6	11874.8	12206.9	12432.8	12713.8	12882.9	13104.1	13281.9	13275.0	13256.2	13234.5
-5°	11624.9	11938.9	12249.7	12487.3	12768.9	12990.1	13209.9	13348.9	13356.3	13330.2	13293.6
-7.5°	11642.9	11990.9	12287.4	12526.0	12799.2	13056.4	13279.4	13425.2	13428.5	13393.8	13349.9
-10°	11636.9	12004.4	12309.5	12556.1	12835.8	13089.9	13323.0	13508.0	13501.9	13468.9	13431.4
-12.5°	11614.9	11982.0	12295.3	12542.7	12860.3	13121.8	13384.1	13568.0	13577.8	13553.0	13512.5
-15°	11566.6	11945.5	12250.3	12520.5	12831.8	13137.5	13407.0	13609.9	13646.1	13625.8	13593.9
-17.5°	11471.1	11871.0	12194.2	12485.4	12784.1	13109.9	13416.4	13638.4	13687.8	13679.8	13653.2
-20°	11345.6	11758.4	12086.5	12391.6	12716.7	13052.3	13409.0	13611.8	13683.6	13688.1	13670.1



REPORT NUMBER: P645587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-730-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°	11204.8	11608.9	11957.0	12256.9	12609.5	12949.2	13272.2	13509.7	13630.3	13652.8	13654.3
-25°	11036.0	11451.2	11797.0	12116.4	12444.3	12795.3	13121.6	13386.7	13509.0	13567.5	13585.6
-27.5°	10797.4	11226.5	11566.9	11904.4	12238.0	12600.6	12943.6	13231.8	13331.3	13411.6	13443.8
-30°	10517.9	10942.3	11289.3	11597.9	11979.6	12349.1	12703.2	12954.7	13104.7	13196.6	13246.8
-32.5°	10196.6	10625.0	10989.2	11311.4	11674.1	12043.6	12376.7	12642.0	12848.8	12954.9	13008.6
-35°	9848.2	10285.5	10666.8	11006.2	11347.7	11700.0	12045.1	12322.6	12558.3	12649.3	12716.6
-37.5°	9427.8	9910.3	10301.3	10651.3	10975.8	11307.0	11666.3	11983.6	12212.4	12300.8	12371.7
-40°	8996.8	9463.1	9857.4	10230.8	10551.6	10913.2	11259.4	11591.9	11790.5	11893.5	11973.8
-42.5°	8541.8	8963.0	9338.0	9700.7	10058.0	10430.2	10776.1	11121.7	11293.4	11417.7	11516.1
-45°	8016.6	8408.5	8772.9	9112.4	9480.6	9846.5	10192.7	10498.1	10702.4	10864.1	10989.9
-47.5°	7316.3	7793.8	8159.6	8482.5	8847.6	9200.6	9536.1	9823.2	10047.3	10236.5	10382.6
-50°	6605.1	7063.4	7476.0	7838.7	8177.4	8503.9	8823.2	9104.1	9341.3	9546.3	9694.3
-52.5°	5904.7	6334.1	6743.5	7118.0	7443.6	7751.8	8043.9	8326.5	8576.6	8795.8	8938.9
-55°	5113.3	5558.1	5963.1	6312.2	6637.6	6942.3	7230.7	7498.7	7744.9	7968.1	8105.3
-57.5°	4370.9	4761.1	5137.9	5460.2	5767.3	6057.4	6330.9	6587.5	6824.4	7034.5	7166.8
-60°	3688.4	3972.9	4297.2	4594.8	4867.1	5114.0	5369.2	5608.3	5826.0	6010.7	6134.0
-62.5°	3085.2	3321.0	3555.1	3781.5	4002.3	4224.1	4437.7	4636.1	4818.0	4969.3	5077.4
-65°	2547.8	2737.2	2906.5	3067.0	3219.9	3394.9	3557.4	3710.1	3851.5	3967.5	4049.7
-67.5°	2097.9	2231.0	2348.1	2458.2	2578.8	2702.5	2818.4	2919.3	3005.7	3074.5	3128.8
-70°	1691.8	1789.7	1878.0	1965.8	2053.9	2134.2	2210.9	2285.2	2355.8	2413.3	2456.5
-72.5°	1325.0	1391.8	1452.0	1519.6	1582.9	1643.9	1697.0	1739.9	1773.1	1805.5	1833.7
-75°	1010.1	1060.4	1128.2	1185.4	1232.8	1274.6	1313.0	1347.2	1377.3	1403.9	1427.3
-77.5°	812.4	855.1	898.3	940.1	980.5	1010.5	1038.4	1066.3	1093.7	1117.3	1138.1
-80°	602.1	634.0	667.3	700.8	734.2	750.8	764.1	776.3	787.2	801.3	814.4
-82.5°	368.1	386.2	404.7	423.5	442.3	447.0	448.6	448.2	445.7	440.6	432.9
-85°	163.8	164.8	164.3	162.4	159.3	152.8	144.9	135.7	125.4	123.8	121.9
-87.5°	36.1	35.3	34.3	33.2	31.9	31.8	31.7	31.4	31.1	32.2	33.2
-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: P645587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-730-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	0.7
85°	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	2.7	2.7
82.5°	2.8	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	2.9	2.9	1.5	0.0	1.5	2.9	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	1.5	0.0	1.5	2.9	2.9	2.9	2.9	2.9	2.9
67.5°	1.1	0.2	0.0	0.0	0.0	0.2	1.1	1.9	2.6	2.9	2.9
65°	0.9	0.1	0.0	0.0	0.0	0.1	0.9	1.7	2.5	3.2	3.5
62.5°	5.4	5.6	5.8	5.9	5.8	5.6	5.4	5.2	5.0	5.2	5.6
60°	10.6	7.0	5.9	5.9	5.9	7.0	10.6	13.5	15.3	16.7	16.5
57.5°	64.8	48.3	41.1	38.1	41.1	48.3	64.8	76.6	82.5	251.2	305.0
55°	1584.4	1665.0	1725.3	1753.2	1725.3	1665.0	1584.4	1445.3	1251.2	1174.1	1197.7
52.5°	2199.8	2234.9	2255.1	2254.5	2255.1	2234.9	2199.8	2162.0	2119.2	2047.2	1979.6
50°	2452.0	2469.0	2475.1	2471.4	2475.1	2469.0	2452.0	2425.5	2410.0	2377.0	2256.7
47.5°	3621.9	3308.4	3078.0	3022.6	3078.0	3308.4	3621.9	3763.6	3608.5	3292.5	2934.3
45°	5158.3	5277.2	5395.6	5432.4	5395.6	5277.2	5158.3	5104.2	4991.5	4854.0	4711.7
42.5°	5690.5	5729.2	5751.1	5752.0	5751.1	5729.2	5690.5	5640.0	5520.3	5370.6	5185.9
40°	5944.4	5980.9	6002.2	6004.1	6002.2	5980.9	5944.4	5894.2	5804.4	5672.8	5503.8
37.5°	6175.1	6206.1	6226.6	6247.4	6226.6	6206.1	6175.1	6160.5	6148.5	6014.9	5914.1
35°	7217.3	6981.2	6641.6	6693.1	6641.6	6981.2	7217.3	7244.5	7042.7	6667.4	6847.6
32.5°	9009.2	9108.5	9170.4	9275.9	9170.4	9108.5	9009.2	8917.8	8976.3	8771.2	8329.2
30°	9836.0	9868.8	9918.5	9970.7	9918.5	9868.8	9836.0	9809.8	9793.4	9554.3	9287.4
27.5°	10042.3	10076.2	10106.4	10129.0	10106.4	10076.2	10042.3	10022.9	9986.3	9836.3	9609.4
25°	10150.3	10171.4	10203.5	10231.6	10203.5	10171.4	10150.3	10146.2	10116.6	10024.1	9841.8
22.5°	10203.9	10206.1	10231.2	10266.8	10231.2	10206.1	10203.9	10212.5	10197.7	10157.3	9959.3
20°	10240.7	10220.7	10246.7	10269.7	10246.7	10220.7	10240.7	10254.0	10250.1	10251.0	10086.0
17.5°	10709.5	10442.1	10332.1	10334.2	10332.1	10442.1	10709.5	10442.7	10631.8	10719.0	10675.2
15°	12221.5	12321.8	12706.3	12914.1	12706.3	12321.8	12221.5	12509.3	12252.8	12312.5	12084.6
12.5°	13197.1	13161.4	13115.7	13178.0	13115.7	13161.4	13197.1	13206.4	13256.8	13283.9	13215.2
10°	13242.3	13238.2	13156.8	13245.4	13156.8	13238.2	13242.3	13269.6	13333.8	13379.3	13300.7
7.5°	13214.5	13217.0	13182.4	13268.8	13182.4	13217.0	13214.5	13286.8	13331.0	13357.4	13277.5
5°	13232.9	13173.3	13195.9	13245.4	13195.9	13173.3	13232.9	13239.9	13282.9	13314.6	13267.4
2.5°	13181.7	13175.6	13131.6	13166.2	13131.6	13175.6	13181.7	13209.4	13234.5	13248.4	13248.8
0°	13142.8	13110.5	13110.5	13139.9	13110.5	13110.5	13142.8	13192.6	13236.6	13274.7	13289.4
-2.5°	13212.1	13205.4	13201.1	13180.9	13201.1	13205.4	13212.1	13234.5	13256.2	13275.0	13281.9
-5°	13269.1	13251.7	13203.7	13268.8	13203.7	13251.7	13269.1	13293.6	13330.2	13356.3	13348.9
-7.5°	13330.5	13285.9	13240.3	13342.1	13240.3	13285.9	13330.5	13349.9	13393.8	13428.5	13425.2
-10°	13386.4	13322.0	13277.7	13377.3	13277.7	13322.0	13386.4	13431.4	13468.9	13501.9	13508.0
-12.5°	13460.4	13385.2	13355.5	13409.6	13355.5	13385.2	13460.4	13512.5	13553.0	13577.8	13568.0
-15°	13539.4	13487.3	13480.4	13512.2	13480.4	13487.3	13539.4	13593.9	13625.8	13646.1	13609.9
-17.5°	13608.7	13572.1	13590.2	13626.5	13590.2	13572.1	13608.7	13653.2	13679.8	13687.8	13638.4
-20°	13641.8	13621.4	13641.7	13732.1	13641.7	13621.4	13641.8	13670.1	13688.1	13683.6	13611.8



REPORT NUMBER: P645587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-730-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°	13639.0	13640.3	13676.1	13705.7	13676.1	13640.3	13639.0	13654.3	13652.8	13630.3	13509.7
-25°	13586.9	13614.4	13655.5	13714.5	13655.5	13614.4	13586.9	13585.6	13567.5	13509.0	13386.7
-27.5°	13461.4	13506.9	13550.0	13611.9	13550.0	13506.9	13461.4	13443.8	13411.6	13331.3	13231.8
-30°	13279.9	13334.1	13372.6	13438.9	13372.6	13334.1	13279.9	13246.8	13196.6	13104.7	12954.7
-32.5°	13059.1	13120.4	13165.8	13213.1	13165.8	13120.4	13059.1	13008.6	12954.9	12848.8	12642.0
-35°	12783.0	12849.1	12897.3	12940.5	12897.3	12849.1	12783.0	12716.6	12649.3	12558.3	12322.6
-37.5°	12451.3	12522.5	12577.5	12626.8	12577.5	12522.5	12451.3	12371.7	12300.8	12212.4	11983.6
-40°	12064.9	12137.9	12196.5	12251.5	12196.5	12137.9	12064.9	11973.8	11893.5	11790.5	11591.9
-42.5°	11613.1	11686.8	11747.4	11803.0	11747.4	11686.8	11613.1	11516.1	11417.7	11293.4	11121.7
-45°	11091.3	11167.2	11231.2	11290.0	11231.2	11167.2	11091.3	10989.9	10864.1	10702.4	10498.1
-47.5°	10490.4	10571.6	10626.3	10653.8	10626.3	10571.6	10490.4	10382.6	10236.5	10047.3	9823.2
-50°	9801.6	9882.7	9948.5	9997.1	9948.5	9882.7	9801.6	9694.3	9546.3	9341.3	9104.1
-52.5°	9043.4	9120.6	9177.2	9211.4	9177.2	9120.6	9043.4	8938.9	8795.8	8576.6	8326.5
-55°	8213.3	8294.1	8347.8	8372.9	8347.8	8294.1	8213.3	8105.3	7968.1	7744.9	7498.7
-57.5°	7271.7	7348.5	7405.5	7437.7	7405.5	7348.5	7271.7	7166.8	7034.5	6824.4	6587.5
-60°	6230.0	6298.7	6341.9	6358.8	6341.9	6298.7	6230.0	6134.0	6010.7	5826.0	5608.3
-62.5°	5164.5	5229.5	5270.1	5285.8	5270.1	5229.5	5164.5	5077.4	4969.3	4818.0	4636.1
-65°	4111.1	4151.9	4174.4	4177.7	4174.4	4151.9	4111.1	4049.7	3967.5	3851.5	3710.1
-67.5°	3171.6	3202.6	3221.5	3227.8	3221.5	3202.6	3171.6	3128.8	3074.5	3005.7	2919.3
-70°	2488.7	2510.1	2522.1	2524.2	2522.1	2510.1	2488.7	2456.5	2413.3	2355.8	2285.2
-72.5°	1855.4	1870.7	1865.3	1852.8	1865.3	1870.7	1855.4	1833.7	1805.5	1773.1	1739.9
-75°	1447.5	1464.3	1457.3	1445.3	1457.3	1464.3	1447.5	1427.3	1403.9	1377.3	1347.2
-77.5°	1156.3	1171.6	1164.1	1152.2	1164.1	1171.6	1156.3	1138.1	1117.3	1093.7	1066.3
-80°	825.7	834.8	841.1	844.3	841.1	834.8	825.7	814.4	801.3	787.2	776.3
-82.5°	422.7	410.3	402.4	392.8	402.4	410.3	422.7	432.9	440.6	445.7	448.2
-85°	119.5	116.7	118.6	120.2	118.6	116.7	119.5	121.9	123.8	125.4	135.7
-87.5°	34.2	35.1	35.2	35.2	35.2	35.1	34.2	33.2	32.2	31.1	31.4
-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: P645587 (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°	1.4	2.0	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1
85°	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.2
67.5°	2.9	2.9	3.0	2.9	2.9	2.9	3.1	3.0	2.9	2.9	3.6
65°	3.6	3.5	3.6	4.1	4.2	4.0	4.1	4.2	4.2	4.0	3.7
62.5°	5.9	6.2	6.4	6.5	6.6	8.3	7.4	7.4	7.0	8.4	11.4
60°	14.1	11.1	16.6	18.5	15.9	27.2	46.0	41.4	12.2	66.4	76.6
57.5°	194.0	161.1	337.4	336.4	140.8	190.3	254.8	167.8	109.7	188.0	248.4
55°	1352.8	1238.9	1077.1	1059.9	1115.9	847.8	708.9	682.1	533.9	347.1	412.3
52.5°	1907.3	1793.6	1683.3	1580.5	1496.2	1406.1	1273.6	1130.3	1084.5	873.3	673.4
50°	2158.1	2268.4	2159.8	1894.1	1941.3	1813.1	1626.4	1474.1	1505.4	1376.1	1109.5
47.5°	2926.5	3061.1	3064.5	2906.0	2729.6	2675.3	2401.5	1925.9	1957.8	1952.2	1669.8
45°	4284.6	4096.8	4166.8	3944.2	3632.7	3460.5	3451.2	2942.5	2471.3	2394.8	2367.4
42.5°	5028.9	4889.8	4745.9	4579.9	4304.4	4029.7	3860.2	3574.0	3195.1	2859.8	2740.8
40°	5329.9	5167.8	5033.4	4896.0	4674.1	4392.8	4256.2	3880.4	3595.6	3305.4	3208.7
37.5°	5693.6	5386.0	5506.0	5246.0	5040.1	4971.6	4865.7	4474.6	3843.4	3790.3	3741.4
35°	6505.7	6218.0	6494.8	6445.8	5626.2	5717.4	5787.9	5307.2	4646.3	4288.1	4295.8
32.5°	8358.6	7695.5	7493.1	7741.1	7310.1	6594.8	6605.3	6459.0	5556.9	5035.5	4807.4
30°	9029.5	8735.0	8415.9	8372.9	8052.0	7638.2	7375.5	7023.8	6367.2	5772.2	5381.1
27.5°	9318.9	9051.6	8783.1	8575.9	8390.2	8109.3	7766.5	7353.3	6886.2	6352.9	5973.0
25°	9525.5	9226.2	8994.6	8765.8	8565.9	8353.3	8002.9	7600.5	7164.7	6734.8	6326.9
22.5°	9691.4	9412.5	9163.2	8917.1	8754.9	8526.3	8211.5	7795.8	7503.3	7230.1	6699.7
20°	9873.0	9604.1	9323.4	9335.2	9096.5	8714.7	8412.2	8205.3	8165.1	7857.7	7173.0
17.5°	10661.1	9921.9	10059.3	10319.8	9793.7	9100.8	8992.8	9004.4	8877.2	8591.4	7740.0
15°	12349.4	11281.6	11291.0	11470.6	10900.3	10049.0	9852.5	9828.5	9628.5	9312.2	8338.8
12.5°	12881.1	12524.4	12458.8	12192.0	11632.0	10995.8	10763.1	10636.9	10269.9	9658.1	8769.6
10°	13060.7	12854.1	12579.6	12310.4	11970.5	11715.0	11383.5	10924.8	10403.9	9813.8	9090.6
7.5°	13082.1	12867.7	12646.5	12390.2	12091.9	11791.9	11464.2	11008.4	10504.7	9925.9	9316.8
5°	13069.6	12855.9	12650.9	12405.8	12103.3	11812.4	11515.6	11064.8	10572.8	9999.1	9465.4
2.5°	13037.7	12821.4	12626.3	12403.6	12102.3	11822.0	11547.3	11125.3	10621.5	10059.6	9515.1
0°	13084.2	12870.1	12685.4	12436.2	12163.6	11838.2	11562.6	11187.3	10645.0	10099.7	9533.9
-2.5°	13104.1	12882.9	12713.8	12432.8	12206.9	11874.8	11595.6	11233.0	10689.3	10170.4	9579.1
-5°	13209.9	12990.1	12768.9	12487.3	12249.7	11938.9	11624.9	11251.7	10722.5	10208.8	9599.6
-7.5°	13279.4	13056.4	12799.2	12526.0	12287.4	11990.9	11642.9	11253.4	10753.0	10208.2	9609.4
-10°	13323.0	13089.9	12835.8	12556.1	12309.5	12004.4	11636.9	11243.7	10746.9	10184.4	9587.9
-12.5°	13384.1	13121.8	12860.3	12542.7	12295.3	11982.0	11614.9	11221.2	10700.8	10139.7	9533.0
-15°	13407.0	13137.5	12831.8	12520.5	12250.3	11945.5	11566.6	11154.7	10620.5	10070.9	9443.4
-17.5°	13416.4	13109.9	12784.1	12485.4	12194.2	11871.0	11471.1	11033.0	10517.4	9949.6	9325.1
-20°	13409.0	13052.3	12716.7	12391.6	12086.5	11758.4	11345.6	10911.8	10370.0	9792.5	9172.0



REPORT NUMBER: P645587 (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°
-22.5°	13272.2	12949.2	12609.5	12256.9	11957.0	11608.9	11204.8	10755.9	10178.5	9620.0	8977.0
-25°	13121.6	12795.3	12444.3	12116.4	11797.0	11451.2	11036.0	10526.9	9978.5	9397.5	8740.4
-27.5°	12943.6	12600.6	12238.0	11904.4	11566.9	11226.5	10797.4	10284.5	9756.5	9121.3	8483.4
-30°	12703.2	12349.1	11979.6	11597.9	11289.3	10942.3	10517.9	10019.8	9452.9	8825.7	8218.6
-32.5°	12376.7	12043.6	11674.1	11311.4	10989.2	10625.0	10196.6	9702.2	9107.1	8513.8	7882.2
-35°	12045.1	11700.0	11347.7	11006.2	10666.8	10285.5	9848.2	9310.0	8741.3	8153.6	7498.2
-37.5°	11666.3	11307.0	10975.8	10651.3	10301.3	9910.3	9427.8	8907.8	8353.3	7707.1	7083.4
-40°	11259.4	10913.2	10551.6	10230.8	9857.4	9463.1	8996.8	8491.4	7881.5	7243.0	6656.6
-42.5°	10776.1	10430.2	10058.0	9700.7	9338.0	8963.0	8541.8	7995.0	7390.6	6788.2	6179.3
-45°	10192.7	9846.5	9480.6	9112.4	8772.9	8408.5	8016.6	7433.6	6836.7	6262.6	5678.3
-47.5°	9536.1	9200.6	8847.6	8482.5	8159.6	7793.8	7316.3	6773.9	6245.7	5699.5	5101.4
-50°	8823.2	8503.9	8177.4	7838.7	7476.0	7063.4	6605.1	6131.9	5608.7	5047.9	4501.5
-52.5°	8043.9	7751.8	7443.6	7118.0	6743.5	6334.1	5904.7	5402.3	4880.3	4404.4	3907.4
-55°	7230.7	6942.3	6637.6	6312.2	5963.1	5558.1	5113.3	4656.3	4230.2	3790.0	3410.9
-57.5°	6330.9	6057.4	5767.3	5460.2	5137.9	4761.1	4370.9	3983.1	3645.6	3303.6	2959.5
-60°	5369.2	5114.0	4867.1	4594.8	4297.2	3972.9	3688.4	3402.3	3116.0	2843.0	2565.9
-62.5°	4437.7	4224.1	4002.3	3781.5	3555.1	3321.0	3085.2	2864.4	2638.7	2407.3	2203.3
-65°	3557.4	3394.9	3219.9	3067.0	2906.5	2737.2	2547.8	2374.6	2210.5	2040.9	1867.5
-67.5°	2818.4	2702.5	2578.8	2458.2	2348.1	2231.0	2097.9	1957.9	1827.8	1702.3	1574.5
-70°	2210.9	2134.2	2053.9	1965.8	1878.0	1789.7	1691.8	1588.7	1484.3	1390.3	1300.3
-72.5°	1697.0	1643.9	1582.9	1519.6	1452.0	1391.8	1325.0	1255.4	1184.7	1113.3	1045.3
-75°	1313.0	1274.6	1232.8	1185.4	1128.2	1060.4	1010.1	976.2	933.5	881.6	824.9
-77.5°	1038.4	1010.5	980.5	940.1	898.3	855.1	812.4	770.4	728.8	689.5	653.5
-80°	764.1	750.8	734.2	700.8	667.3	634.0	602.1	576.3	552.1	525.4	492.6
-82.5°	448.6	447.0	442.3	423.5	404.7	386.2	368.1	350.0	330.9	310.9	290.6
-85°	144.9	152.8	159.3	162.4	164.3	164.8	163.8	159.1	153.5	147.2	140.3
-87.5°	31.7	31.8	31.9	33.2	34.3	35.3	36.1	37.8	39.3	40.5	41.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-730-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°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.4	1.5	1.5
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.7	2.5	2.8	3.0	3.1
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.7	4.4	4.7
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.7	4.5	5.2
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.8	4.5	5.3
75°	2.9	2.9	2.9	3.0	3.1	2.9	2.9	3.1	3.9	4.6	5.3
72.5°	2.9	2.9	2.9	3.3	3.7	3.7	3.4	3.2	3.9	4.7	5.4
70°	3.3	3.1	2.9	3.4	4.1	4.7	4.6	4.7	4.1	4.7	5.4
67.5°	4.3	4.4	4.0	4.0	4.3	5.0	5.7	6.6	6.5	4.9	5.5
65°	4.5	5.2	6.2	8.3	7.3	5.1	5.8	11.5	9.2	7.8	5.6
62.5°	9.7	5.4	18.6	24.8	14.0	11.0	8.8	25.6	16.1	10.9	7.9
60°	23.1	18.9	51.7	82.8	57.8	19.5	28.6	44.3	40.7	14.1	11.1
57.5°	215.0	73.9	107.2	154.9	152.2	82.6	60.2	80.4	69.2	39.9	15.6
55°	459.0	386.3	255.1	233.6	252.3	203.7	132.6	130.1	106.7	73.9	25.3
52.5°	629.7	657.1	572.0	399.6	348.0	331.6	259.0	188.7	167.5	111.0	64.2
50°	911.5	848.9	840.3	705.5	487.9	441.6	382.3	294.7	235.0	158.7	108.5
47.5°	1287.6	1131.1	1048.1	987.5	778.5	563.0	501.4	403.1	309.5	228.7	154.9
45°	1840.1	1461.9	1301.5	1203.2	1066.8	791.8	627.5	508.3	403.4	307.0	203.5
42.5°	2394.9	1890.2	1590.7	1431.9	1290.1	1050.1	762.4	629.6	494.9	386.7	265.1
40°	2884.6	2331.9	1894.8	1690.6	1509.4	1299.7	980.7	759.5	584.6	468.8	335.2
37.5°	3474.2	2834.7	2244.7	1961.7	1743.1	1508.1	1202.2	895.1	692.4	554.9	405.4
35°	4044.5	3485.6	2636.3	2289.2	2003.1	1721.9	1415.6	1055.3	824.8	642.4	475.6
32.5°	4656.9	4097.7	3227.7	2655.0	2272.3	1940.3	1615.1	1250.3	957.9	730.9	545.6
30°	5139.1	4500.7	3746.6	3021.1	2565.2	2184.1	1814.3	1437.3	1091.4	820.2	616.2
27.5°	5394.6	4849.4	4156.1	3429.2	2894.9	2434.0	2019.5	1616.0	1224.6	918.4	689.7
25°	5658.9	5095.1	4448.9	3785.8	3220.4	2698.5	2223.8	1786.4	1370.2	1029.1	762.5
22.5°	5975.2	5303.8	4695.8	4068.5	3556.1	2966.7	2438.1	1958.9	1515.6	1137.7	834.1
20°	6292.7	5497.8	4939.4	4453.2	3885.6	3256.9	2662.1	2127.2	1652.9	1243.4	904.1
17.5°	6626.0	5849.9	5352.9	4828.5	4214.0	3538.0	2882.8	2290.2	1781.7	1345.8	972.1
15°	7206.0	6377.2	5769.4	5193.8	4540.7	3808.5	3098.2	2446.9	1901.8	1444.1	1035.4
12.5°	7732.6	6868.1	6186.3	5547.0	4862.1	4066.4	3306.0	2595.9	2013.0	1522.6	1091.8
10°	8168.4	7323.3	6598.3	5885.9	5174.0	4309.8	3504.0	2717.3	2079.8	1581.1	1143.8
7.5°	8525.3	7743.9	7000.1	6208.6	5442.0	4469.0	3603.9	2788.1	2131.5	1630.9	1191.1
5°	8783.2	8024.6	7213.5	6321.0	5525.7	4534.4	3671.8	2845.7	2173.3	1672.5	1233.8
2.5°	8857.5	8110.9	7293.7	6382.5	5582.3	4576.8	3720.3	2889.8	2205.3	1706.2	1271.6
0°	8900.6	8167.7	7343.9	6420.4	5611.3	4596.9	3749.6	2920.0	2228.1	1732.6	1304.6
-2.5°	8961.0	8216.6	7392.4	6517.7	5630.5	4658.4	3766.2	2939.7	2256.8	1742.1	1323.8
-5°	8991.2	8235.7	7415.6	6583.0	5625.5	4695.1	3764.1	2946.0	2275.5	1745.4	1337.9
-7.5°	8978.0	8229.2	7416.6	6603.6	5600.1	4703.6	3743.7	2939.4	2283.1	1743.0	1346.7
-10°	8937.4	8195.9	7388.1	6550.6	5576.6	4670.4	3707.2	2920.7	2278.6	1735.5	1350.0
-12.5°	8875.9	8133.5	7330.3	6474.3	5527.8	4601.8	3664.3	2888.7	2260.2	1723.5	1347.8
-15°	8796.1	8042.8	7242.3	6377.4	5447.4	4510.6	3599.8	2842.2	2224.4	1709.9	1339.8
-17.5°	8693.6	7924.5	7123.8	6262.4	5334.4	4397.7	3513.1	2781.6	2179.6	1693.3	1323.7
-20°	8510.6	7765.6	6973.3	6131.8	5187.6	4263.8	3403.9	2707.0	2126.3	1669.6	1300.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	8305.0	7568.9	6785.6	5955.4	5010.8	4109.9	3271.9	2618.4	2064.7	1638.8	1272.9
-25°	8085.7	7347.4	6567.4	5711.3	4815.4	3947.2	3139.7	2515.7	1995.4	1600.7	1240.8
-27.5°	7828.2	7096.6	6320.2	5442.4	4588.7	3758.5	3013.1	2424.8	1928.4	1555.3	1204.3
-30°	7538.7	6801.6	6011.2	5155.6	4340.0	3540.2	2870.9	2327.8	1871.6	1505.7	1163.5
-32.5°	7206.9	6476.7	5668.8	4861.9	4077.4	3308.7	2714.1	2223.9	1806.1	1453.0	1125.8
-35°	6829.3	6098.6	5306.0	4546.7	3799.1	3121.7	2560.7	2113.7	1731.7	1396.1	1086.2
-37.5°	6436.0	5692.7	4943.1	4217.5	3503.3	2919.2	2422.7	2004.9	1648.7	1335.2	1042.3
-40°	5986.8	5275.2	4562.3	3878.4	3247.2	2701.7	2273.4	1897.5	1570.3	1270.3	994.3
-42.5°	5524.1	4837.2	4165.1	3519.4	2994.5	2524.6	2117.1	1781.8	1487.5	1207.6	942.3
-45°	5025.3	4374.8	3742.6	3217.0	2737.4	2337.1	1980.2	1661.9	1399.1	1143.4	888.5
-47.5°	4499.0	3887.4	3358.8	2901.9	2518.8	2148.7	1834.6	1558.2	1306.4	1074.7	834.7
-50°	3941.6	3433.5	3005.1	2628.1	2283.2	1979.1	1689.5	1449.6	1221.3	998.8	778.2
-52.5°	3447.5	3040.5	2686.1	2363.3	2075.4	1800.7	1564.5	1338.2	1133.7	926.1	719.2
-55°	3024.3	2690.6	2391.5	2122.9	1869.5	1647.7	1434.8	1239.3	1043.7	853.2	659.5
-57.5°	2658.8	2367.2	2127.7	1894.5	1685.2	1496.1	1316.6	1138.3	957.5	777.8	612.1
-60°	2307.6	2090.0	1876.9	1689.4	1512.2	1351.7	1205.1	1037.3	870.3	702.3	559.7
-62.5°	2004.4	1818.5	1657.4	1494.0	1346.8	1216.0	1092.6	938.4	780.8	632.5	502.6
-65°	1720.1	1577.3	1440.2	1309.7	1187.7	1076.8	977.0	837.1	690.9	558.5	443.4
-67.5°	1450.1	1342.6	1234.9	1125.5	1029.4	939.6	854.3	727.8	597.1	480.7	384.7
-70°	1209.0	1117.1	1032.8	951.4	873.5	798.7	718.2	611.4	499.0	410.9	324.6
-72.5°	981.3	914.1	844.1	777.3	719.7	653.9	579.8	496.6	417.8	339.9	263.2
-75°	770.5	726.3	676.9	623.8	570.1	511.3	462.4	404.2	335.5	267.5	212.1
-77.5°	616.5	573.3	523.9	481.6	445.6	405.4	360.9	310.4	255.9	208.1	163.9
-80°	454.8	421.7	393.8	369.4	336.1	299.5	262.6	225.8	186.0	149.0	114.9
-82.5°	277.4	270.2	262.5	251.2	223.4	196.2	169.5	143.3	115.1	89.0	73.7
-85°	138.7	135.9	131.8	125.9	108.8	92.2	84.5	76.7	67.2	58.1	49.3
-87.5°	45.6	49.0	51.8	53.8	50.0	46.2	42.3	38.4	33.6	29.1	24.7
-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°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.0	1.5	1.0	0.6	0.0
82.5°	4.6	3.8	3.1	2.3	1.5	1.0	0.0
80°	5.9	5.1	4.1	3.1	2.1	1.3	0.0
77.5°	5.9	6.0	5.1	3.8	2.6	1.6	0.0
75°	6.0	6.1	5.9	4.6	3.1	1.9	0.0
72.5°	6.1	6.3	6.2	5.3	3.6	2.2	0.0
70°	6.2	6.6	6.5	6.0	4.2	2.5	0.0
67.5°	6.9	6.8	6.8	6.2	4.7	2.9	0.0
65°	7.9	7.8	7.1	6.5	5.2	3.2	0.0
62.5°	9.2	9.7	7.4	6.8	5.7	3.5	0.0
60°	10.9	11.8	7.7	7.1	6.3	3.8	0.0
57.5°	20.1	14.1	10.0	7.4	6.6	4.1	0.0
55°	32.0	16.7	12.4	7.7	6.9	4.4	0.0
52.5°	45.9	21.3	15.0	8.1	7.3	4.7	0.0
50°	61.8	36.4	17.7	8.4	7.6	4.9	0.0
47.5°	83.2	52.6	20.4	9.2	8.0	5.2	0.0
45°	125.5	69.9	23.4	11.4	8.3	5.5	0.0
42.5°	168.8	88.4	26.4	13.6	8.7	5.8	0.0
40°	213.1	107.9	35.5	16.5	9.0	6.0	0.0
37.5°	258.2	128.5	50.8	20.0	9.4	6.3	0.0
35°	304.1	159.7	66.3	23.9	9.8	6.5	0.0
32.5°	353.8	195.8	82.1	28.2	10.2	6.8	0.0
30°	410.6	231.7	97.9	32.8	10.6	7.0	0.0
27.5°	466.3	267.1	117.5	37.8	10.9	7.2	0.0
25°	520.7	302.0	137.6	43.0	11.3	7.4	0.0
22.5°	573.5	337.6	157.6	48.4	11.7	7.6	0.0
20°	624.5	375.7	177.4	54.0	12.1	7.8	0.0
17.5°	674.9	412.6	196.9	59.7	12.5	8.0	0.0
15°	723.4	448.1	215.9	65.4	12.8	8.1	0.0
12.5°	768.8	482.0	234.3	71.1	13.2	8.3	0.0
10°	810.9	513.9	251.9	76.8	13.5	8.4	0.0
7.5°	849.5	543.8	268.5	82.2	13.8	8.5	0.0
5°	884.7	571.3	283.9	87.4	14.1	8.6	0.0
2.5°	916.2	596.4	298.1	92.2	14.4	8.7	0.0
0°	944.0	618.6	310.8	96.7	14.7	8.8	0.0
-2.5°	957.8	632.7	322.6	103.0	17.0	9.3	0.0
-5°	967.9	643.8	332.7	108.8	19.2	9.8	0.0
-7.5°	974.4	651.9	340.9	114.0	21.4	10.2	0.0
-10°	977.3	657.0	347.1	118.5	23.5	10.7	0.0
-12.5°	976.8	659.0	351.2	122.3	25.6	11.1	0.0
-15°	972.9	658.1	353.2	125.3	27.4	11.4	0.0
-17.5°	965.9	654.1	353.0	127.5	29.2	11.7	0.0
-20°	954.8	647.2	350.4	128.8	30.8	12.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	938.8	637.3	345.5	129.2	32.3	12.3	0.0
-25°	919.2	622.0	338.1	128.6	33.6	12.5	0.0
-27.5°	895.8	602.9	328.3	127.0	34.7	12.6	0.0
-30°	868.8	581.2	315.9	124.4	35.6	12.7	0.0
-32.5°	838.1	556.9	301.6	120.7	36.3	12.7	0.0
-35°	805.0	530.0	285.6	116.0	36.7	12.7	0.0
-37.5°	769.4	503.1	268.0	110.2	37.0	12.6	0.0
-40°	731.0	478.6	248.8	103.3	37.0	12.5	0.0
-42.5°	690.0	452.4	234.3	95.9	36.8	12.3	0.0
-45°	646.3	424.6	224.4	88.4	36.4	12.1	0.0
-47.5°	600.2	395.1	212.7	79.8	35.7	11.8	0.0
-50°	561.7	364.1	199.2	77.0	34.8	11.4	0.0
-52.5°	523.1	331.6	184.0	75.4	33.7	11.0	0.0
-55°	483.1	307.1	167.2	73.1	32.4	10.5	0.0
-57.5°	441.5	282.1	148.8	69.9	30.8	10.0	0.0
-60°	399.3	254.8	129.4	66.0	29.1	9.5	0.0
-62.5°	360.8	225.4	120.2	61.3	27.3	8.9	0.0
-65°	319.5	194.0	109.7	55.9	25.3	8.2	0.0
-67.5°	275.6	167.7	98.1	49.9	23.3	7.5	0.0
-70°	229.3	146.7	85.3	43.3	21.0	6.8	0.0
-72.5°	194.0	124.2	71.5	38.1	18.7	6.0	0.0
-75°	158.6	100.3	56.9	33.1	16.2	5.2	0.0
-77.5°	121.5	75.3	47.0	27.9	13.7	4.4	0.0
-80°	82.9	57.4	38.0	22.6	11.0	3.5	0.0
-82.5°	60.9	43.4	28.7	17.0	8.3	2.7	0.0
-85°	40.8	29.1	19.3	11.4	5.6	1.8	0.0
-87.5°	20.5	14.6	9.7	5.7	2.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)