

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: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
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-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

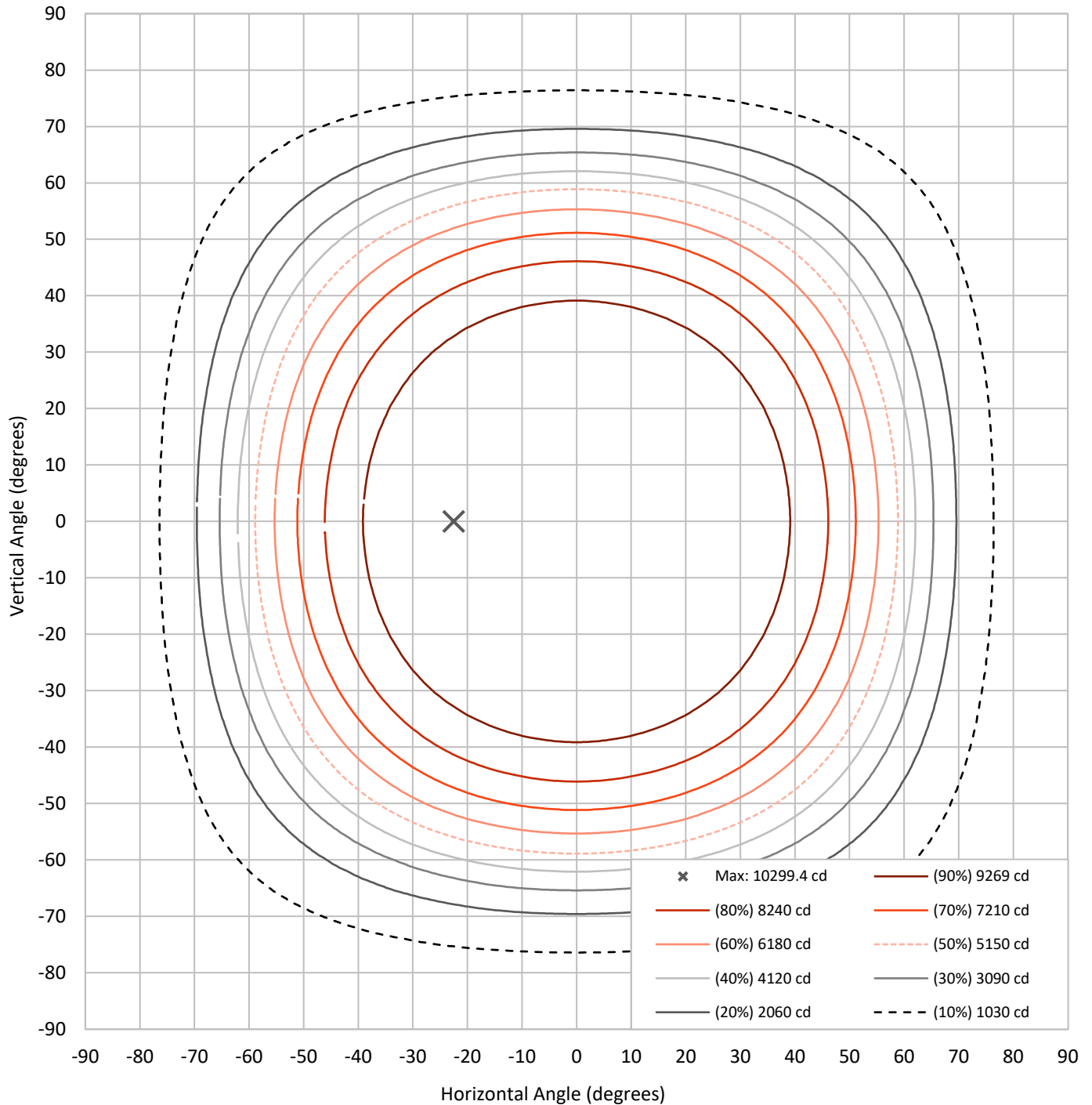
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	31506.6 lumens	Max Intensity:	10299.4 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	100.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	26220.4 lumens	Field Lumens:	30886.9 lumens
Beam Efficiency:	83.2%	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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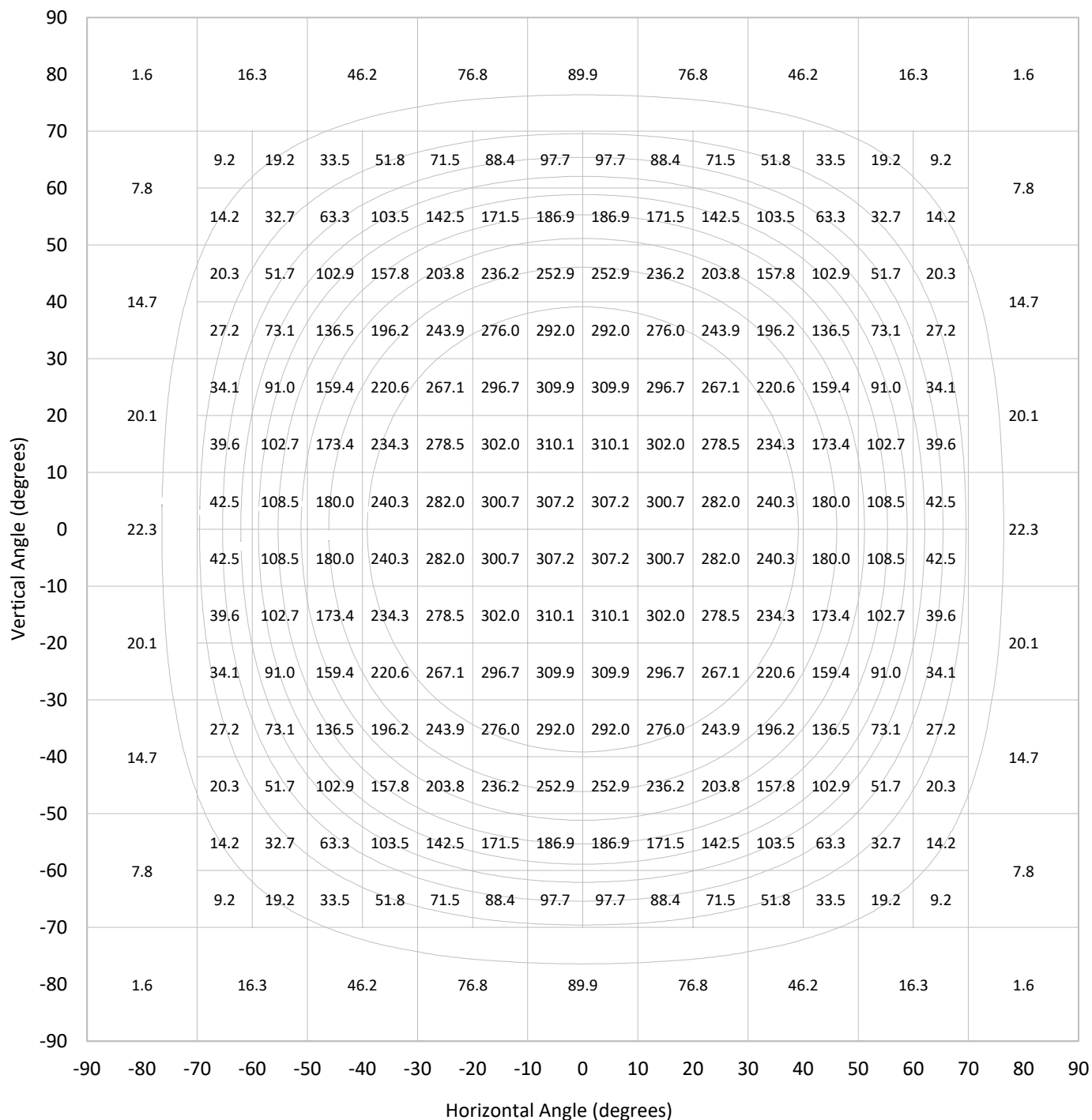
Iso-Candela Plot





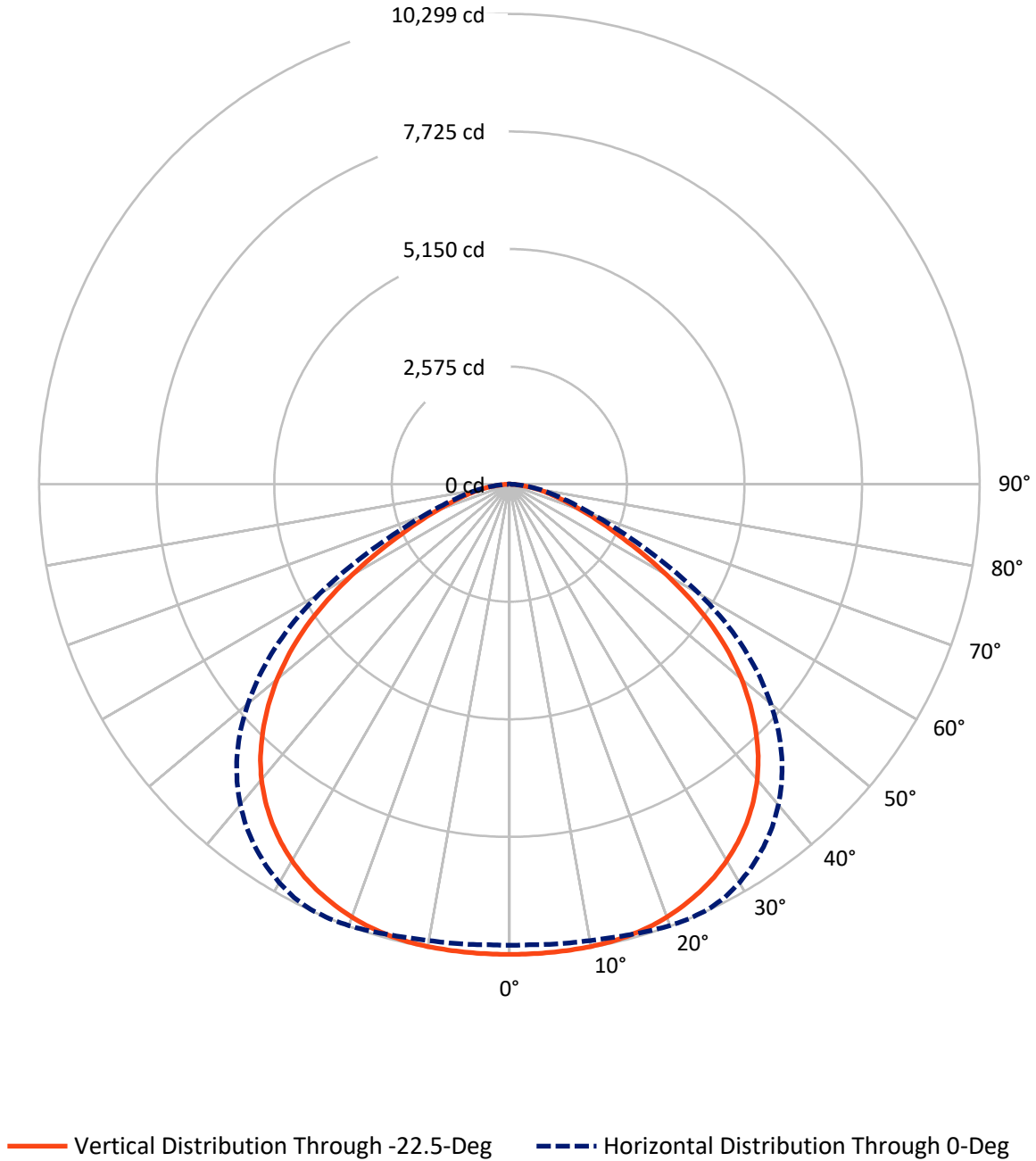
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Lumen Table



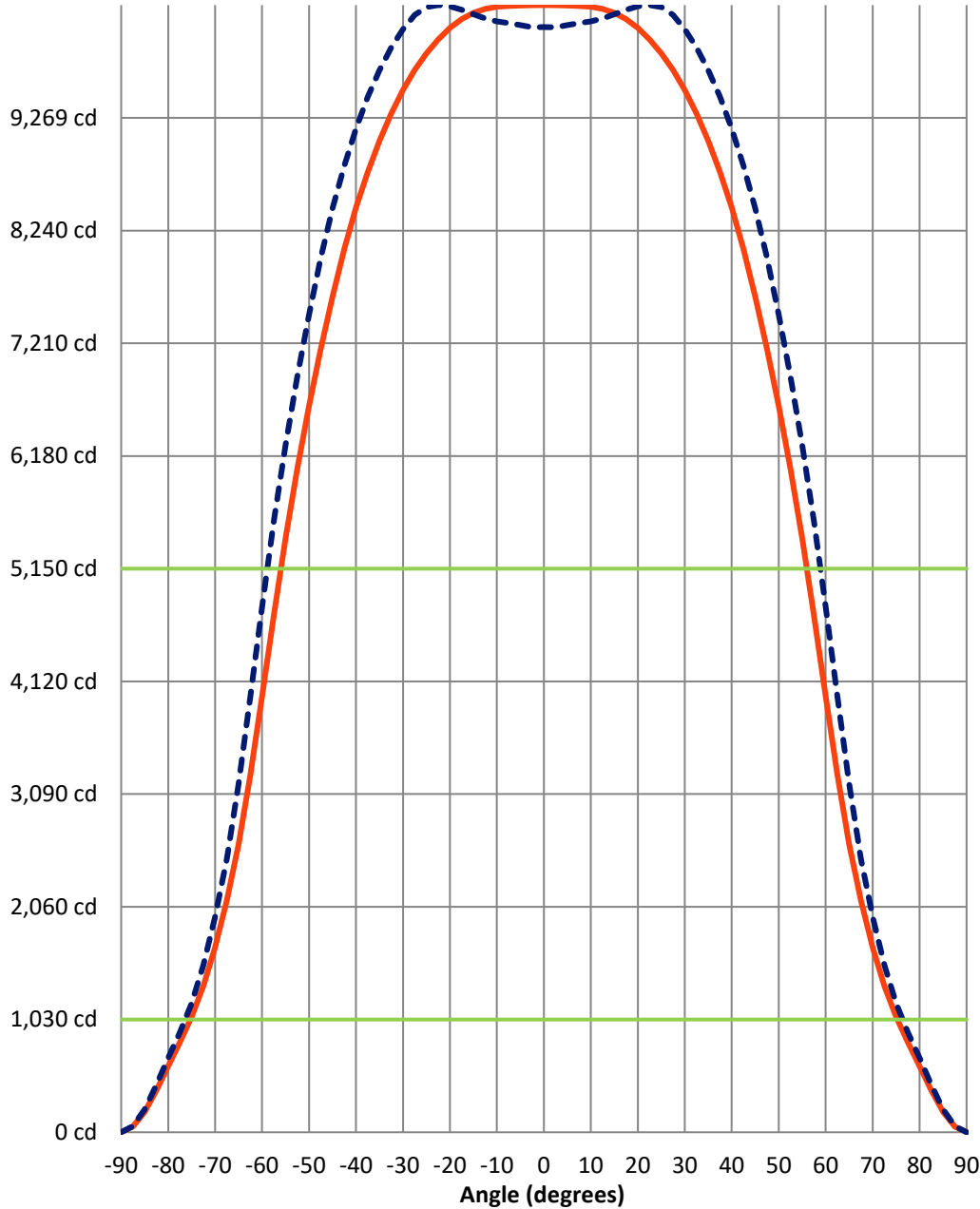
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 26220.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 30886.9
 Efficiency: 98.0%

Spill:
 Lumens: 619.6
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.5	4.9	7.3	9.8	12.2	14.6	16.9	19.3	21.5	23.8
85°	0.0	4.9	9.8	14.7	19.5	24.3	29.1	33.8	38.5	43.0	47.5
82.5°	0.0	7.3	14.7	22.0	29.2	36.5	43.6	50.7	59.9	78.6	96.9
80°	0.0	9.8	19.5	29.2	38.9	48.5	61.0	86.5	111.8	136.6	161.1
77.5°	0.0	12.2	24.3	36.5	48.5	67.6	99.9	131.8	163.3	194.3	231.8
75°	0.0	14.6	29.1	43.6	61.0	99.9	138.5	176.7	216.6	270.7	323.8
72.5°	0.0	16.9	33.8	50.7	86.5	131.8	176.7	226.4	290.2	353.1	415.0
70°	0.0	19.3	38.5	59.9	111.8	163.3	216.6	290.2	362.9	434.7	512.4
67.5°	0.0	21.5	43.0	78.6	136.6	194.3	270.7	353.1	434.7	523.2	610.3
65°	0.0	23.8	47.5	96.9	161.1	231.8	323.8	415.0	512.4	610.3	705.5
62.5°	0.0	26.0	51.9	114.9	185.0	275.3	375.9	480.0	588.6	695.1	795.9
60°	0.0	28.1	56.2	132.5	208.4	317.8	426.9	545.5	663.3	775.1	884.6
57.5°	0.0	30.2	67.6	149.6	241.2	359.4	481.2	609.4	733.7	853.3	979.3
55°	0.0	32.3	78.7	166.3	273.5	399.8	534.6	671.7	801.5	931.9	1075.4
52.5°	0.0	34.3	89.5	182.5	304.9	439.7	586.5	729.8	867.6	1016.1	1169.0
50°	0.0	36.2	99.9	198.1	335.3	481.6	636.8	785.7	934.1	1097.9	1285.3
47.5°	0.0	38.0	110.0	214.9	364.6	522.0	685.0	839.8	1004.2	1176.9	1400.8
45°	0.0	39.8	119.7	236.0	392.8	560.8	729.5	891.9	1071.9	1276.5	1512.3
42.5°	0.0	41.5	128.9	256.2	419.8	598.0	772.2	945.7	1136.8	1372.7	1643.7
40°	0.0	43.1	137.7	275.5	446.9	633.6	813.0	999.8	1205.1	1464.7	1773.5
37.5°	0.0	44.7	146.1	293.8	473.8	667.3	851.8	1051.3	1282.7	1558.8	1897.2
35°	0.0	46.1	154.0	311.1	499.3	698.3	888.5	1100.0	1356.2	1663.8	2023.6
32.5°	0.0	47.5	161.5	327.4	523.3	727.0	924.3	1145.9	1425.4	1762.9	2156.4
30°	0.0	48.8	168.4	342.6	545.6	753.7	960.9	1192.0	1490.2	1855.7	2281.0
27.5°	0.0	49.9	174.9	356.7	566.4	778.6	994.9	1244.3	1556.4	1942.0	2396.9
25°	0.0	51.0	180.8	369.7	585.5	801.5	1026.2	1292.6	1626.5	2031.9	2505.2
22.5°	0.0	52.0	186.2	381.5	602.9	822.3	1054.7	1336.6	1690.6	2119.0	2631.6
20°	0.0	52.9	191.1	392.1	618.6	841.1	1080.4	1376.2	1748.4	2197.7	2745.8
17.5°	0.0	53.7	195.4	401.6	632.5	857.7	1103.2	1411.4	1799.7	2267.6	2847.3
15°	0.0	54.4	199.1	409.8	644.6	872.3	1123.1	1442.1	1844.4	2328.6	2935.9
12.5°	0.0	55.0	202.3	416.7	654.9	884.6	1140.0	1468.2	1882.5	2380.4	3011.4
10°	0.0	55.4	204.9	422.5	663.3	894.7	1153.9	1489.7	1913.8	2423.1	3073.4
7.5°	0.0	55.8	207.0	426.9	669.9	902.6	1164.7	1506.4	1938.2	2456.4	3121.9
5°	0.0	56.1	208.4	430.1	674.6	908.3	1172.5	1518.4	1955.7	2480.3	3156.7
2.5°	0.0	56.2	209.3	432.1	677.5	911.7	1177.1	1525.6	1966.2	2494.6	3177.5
0°	0.0	56.3	209.6	432.7	678.4	912.8	1178.7	1528.0	1969.7	2499.4	3184.5
-2.5°	0.0	56.2	209.3	432.1	677.5	911.7	1177.1	1525.6	1966.2	2494.6	3177.5
-5°	0.0	56.1	208.4	430.1	674.6	908.3	1172.5	1518.4	1955.7	2480.3	3156.7
-7.5°	0.0	55.8	207.0	426.9	669.9	902.6	1164.7	1506.4	1938.2	2456.4	3121.9
-10°	0.0	55.4	204.9	422.5	663.3	894.7	1153.9	1489.7	1913.8	2423.1	3073.4
-12.5°	0.0	55.0	202.3	416.7	654.9	884.6	1140.0	1468.2	1882.5	2380.4	3011.4
-15°	0.0	54.4	199.1	409.8	644.6	872.3	1123.1	1442.1	1844.4	2328.6	2935.9
-17.5°	0.0	53.7	195.4	401.6	632.5	857.7	1103.2	1411.4	1799.7	2267.6	2847.3
-20°	0.0	52.9	191.1	392.1	618.6	841.1	1080.4	1376.2	1748.4	2197.7	2745.8



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	52.0	186.2	381.5	602.9	822.3	1054.7	1336.6	1690.6	2119.0	2631.6
-25°	0.0	51.0	180.8	369.7	585.5	801.5	1026.2	1292.6	1626.5	2031.9	2505.2
-27.5°	0.0	49.9	174.9	356.7	566.4	778.6	994.9	1244.3	1556.4	1942.0	2396.9
-30°	0.0	48.8	168.4	342.6	545.6	753.7	960.9	1192.0	1490.2	1855.7	2281.0
-32.5°	0.0	47.5	161.5	327.4	523.3	727.0	924.3	1145.9	1425.4	1762.9	2156.4
-35°	0.0	46.1	154.0	311.1	499.3	698.3	888.5	1100.0	1356.2	1663.8	2023.6
-37.5°	0.0	44.7	146.1	293.8	473.8	667.3	851.8	1051.3	1282.7	1558.8	1897.2
-40°	0.0	43.1	137.7	275.5	446.9	633.6	813.0	999.8	1205.1	1464.7	1773.5
-42.5°	0.0	41.5	128.9	256.2	419.8	598.0	772.2	945.7	1136.8	1372.7	1643.7
-45°	0.0	39.8	119.7	236.0	392.8	560.8	729.5	891.9	1071.9	1276.5	1512.3
-47.5°	0.0	38.0	110.0	214.9	364.6	522.0	685.0	839.8	1004.2	1176.9	1400.8
-50°	0.0	36.2	99.9	198.1	335.3	481.6	636.8	785.7	934.1	1097.9	1285.3
-52.5°	0.0	34.3	89.5	182.5	304.9	439.7	586.5	729.8	867.6	1016.1	1169.0
-55°	0.0	32.3	78.7	166.3	273.5	399.8	534.6	671.7	801.5	931.9	1075.4
-57.5°	0.0	30.2	67.6	149.6	241.2	359.4	481.2	609.4	733.7	853.3	979.3
-60°	0.0	28.1	56.2	132.5	208.4	317.8	426.9	545.5	663.3	775.1	884.6
-62.5°	0.0	26.0	51.9	114.9	185.0	275.3	375.9	480.0	588.6	695.1	795.9
-65°	0.0	23.8	47.5	96.9	161.1	231.8	323.8	415.0	512.4	610.3	705.5
-67.5°	0.0	21.5	43.0	78.6	136.6	194.3	270.7	353.1	434.7	523.2	610.3
-70°	0.0	19.3	38.5	59.9	111.8	163.3	216.6	290.2	362.9	434.7	512.4
-72.5°	0.0	16.9	33.8	50.7	86.5	131.8	176.7	226.4	290.2	353.1	415.0
-75°	0.0	14.6	29.1	43.6	61.0	99.9	138.5	176.7	216.6	270.7	323.8
-77.5°	0.0	12.2	24.3	36.5	48.5	67.6	99.9	131.8	163.3	194.3	231.8
-80°	0.0	9.8	19.5	29.2	38.9	48.5	61.0	86.5	111.8	136.6	161.1
-82.5°	0.0	7.3	14.7	22.0	29.2	36.5	43.6	50.7	59.9	78.6	96.9
-85°	0.0	4.9	9.8	14.7	19.5	24.3	29.1	33.8	38.5	43.0	47.5
-87.5°	0.0	2.5	4.9	7.3	9.8	12.2	14.6	16.9	19.3	21.5	23.8
-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: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-LAM-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°	26.0	28.1	30.2	32.3	34.3	36.2	38.0	39.8	41.5	43.1	44.7
85°	51.9	56.2	67.6	78.7	89.5	99.9	110.0	119.7	128.9	137.7	146.1
82.5°	114.9	132.5	149.6	166.3	182.5	198.1	214.9	236.0	256.2	275.5	293.8
80°	185.0	208.4	241.2	273.5	304.9	335.3	364.6	392.8	419.8	446.9	473.8
77.5°	275.3	317.8	359.4	399.8	439.7	481.6	522.0	560.8	598.0	633.6	667.3
75°	375.9	426.9	481.2	534.6	586.5	636.8	685.0	729.5	772.2	813.0	851.8
72.5°	480.0	545.5	609.4	671.7	729.8	785.7	839.8	891.9	945.7	999.8	1051.3
70°	588.6	663.3	733.7	801.5	867.6	934.1	1004.2	1071.9	1136.8	1205.1	1282.7
67.5°	695.1	775.1	853.3	931.9	1016.1	1097.9	1176.9	1276.5	1372.7	1464.7	1558.8
65°	795.9	884.6	979.3	1075.4	1169.0	1285.3	1400.8	1512.3	1643.7	1773.5	1897.2
62.5°	895.0	1003.1	1111.2	1228.7	1363.9	1495.3	1647.6	1803.1	1952.6	2121.2	2285.3
60°	1003.1	1123.1	1260.3	1411.4	1567.0	1748.4	1924.2	2119.0	2315.4	2505.2	2738.0
57.5°	1111.2	1260.3	1427.3	1607.5	1809.3	2013.0	2241.8	2463.2	2728.8	2994.1	3258.0
55°	1228.7	1411.4	1607.5	1829.7	2062.2	2316.1	2581.4	2890.6	3189.9	3523.3	3842.6
52.5°	1363.9	1567.0	1809.3	2062.2	2340.9	2646.2	2988.5	3342.6	3715.4	4077.4	4432.6
50°	1495.3	1748.4	2013.0	2316.1	2646.2	3021.3	3419.4	3831.7	4238.8	4635.9	5007.8
47.5°	1647.6	1924.2	2241.8	2581.4	2988.5	3419.4	3870.7	4320.1	4759.1	5166.5	5556.6
45°	1803.1	2119.0	2463.2	2890.6	3342.6	3831.7	4320.1	4800.4	5246.4	5667.4	6035.6
42.5°	1952.6	2315.4	2728.8	3189.9	3715.4	4238.8	4759.1	5246.4	5703.4	6108.7	6478.6
40°	2121.2	2505.2	2994.1	3523.3	4077.4	4635.9	5166.5	5667.4	6108.7	6512.3	6886.9
37.5°	2285.3	2738.0	3258.0	3842.6	4432.6	5007.8	5556.6	6035.6	6478.6	6886.9	7246.2
35°	2441.1	2959.3	3538.4	4152.1	4771.5	5356.3	5890.5	6378.1	6818.3	7214.5	7581.9
32.5°	2614.3	3168.5	3803.8	4449.5	5080.3	5675.8	6205.3	6682.3	7120.0	7522.3	7887.1
30°	2792.9	3394.2	4055.7	4729.5	5370.3	5952.8	6481.4	6964.4	7398.6	7796.0	8153.6
27.5°	2959.3	3607.0	4296.0	4982.9	5635.3	6212.5	6734.0	7209.6	7646.3	8046.4	8392.9
25°	3113.0	3803.8	4518.5	5214.9	5858.3	6436.9	6963.1	7438.3	7872.6	8256.5	8593.4
22.5°	3264.7	3984.1	4722.3	5427.8	6063.2	6637.5	7158.9	7635.4	8069.9	8450.3	8773.5
20°	3412.2	4152.1	4902.2	5616.5	6249.1	6819.7	7337.2	7812.8	8235.6	8603.9	8925.7
17.5°	3543.4	4301.7	5059.5	5768.9	6402.0	6975.3	7494.9	7972.0	8384.8	8742.5	9057.1
15°	3658.1	4432.6	5197.1	5902.3	6533.5	7104.6	7624.2	8096.1	8506.1	8860.8	9173.2
12.5°	3755.7	4544.1	5314.5	6016.3	6645.9	7215.2	7735.0	8200.3	8603.3	8953.5	9259.2
10°	3836.1	4635.9	5411.3	6110.2	6738.7	7306.6	7826.5	8286.6	8684.0	9030.6	9330.8
7.5°	3898.9	4707.7	5486.9	6183.7	6811.3	7378.2	7898.4	8354.4	8747.5	9091.3	9387.3
5°	3943.9	4759.1	5541.2	6236.5	6863.4	7429.7	7950.1	8403.2	8793.2	9135.0	9428.2
2.5°	3971.0	4790.1	5573.8	6268.2	6894.8	7460.6	7981.2	8432.6	8820.8	9161.5	9452.8
0°	3980.0	4800.4	5584.7	6278.8	6905.3	7471.0	7991.6	8442.4	8830.0	9170.3	9461.1
-2.5°	3971.0	4790.1	5573.8	6268.2	6894.8	7460.6	7981.2	8432.6	8820.8	9161.5	9452.8
-5°	3943.9	4759.1	5541.2	6236.5	6863.4	7429.7	7950.1	8403.2	8793.2	9135.0	9428.2
-7.5°	3898.9	4707.7	5486.9	6183.7	6811.3	7378.2	7898.4	8354.4	8747.5	9091.3	9387.3
-10°	3836.1	4635.9	5411.3	6110.2	6738.7	7306.6	7826.5	8286.6	8684.0	9030.6	9330.8
-12.5°	3755.7	4544.1	5314.5	6016.3	6645.9	7215.2	7735.0	8200.3	8603.3	8953.5	9259.2
-15°	3658.1	4432.6	5197.1	5902.3	6533.5	7104.6	7624.2	8096.1	8506.1	8860.8	9173.2
-17.5°	3543.4	4301.7	5059.5	5768.9	6402.0	6975.3	7494.9	7972.0	8384.8	8742.5	9057.1
-20°	3412.2	4152.1	4902.2	5616.5	6249.1	6819.7	7337.2	7812.8	8235.6	8603.9	8925.7



REPORT NUMBER: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3264.7	3984.1	4722.3	5427.8	6063.2	6637.5	7158.9	7635.4	8069.9	8450.3	8773.5
-25°	3113.0	3803.8	4518.5	5214.9	5858.3	6436.9	6963.1	7438.3	7872.6	8256.5	8593.4
-27.5°	2959.3	3607.0	4296.0	4982.9	5635.3	6212.5	6734.0	7209.6	7646.3	8046.4	8392.9
-30°	2792.9	3394.2	4055.7	4729.5	5370.3	5952.8	6481.4	6964.4	7398.6	7796.0	8153.6
-32.5°	2614.3	3168.5	3803.8	4449.5	5080.3	5675.8	6205.3	6682.3	7120.0	7522.3	7887.1
-35°	2441.1	2959.3	3538.4	4152.1	4771.5	5356.3	5890.5	6378.1	6818.3	7214.5	7581.9
-37.5°	2285.3	2738.0	3258.0	3842.6	4432.6	5007.8	5556.6	6035.6	6478.6	6886.9	7246.2
-40°	2121.2	2505.2	2994.1	3523.3	4077.4	4635.9	5166.5	5667.4	6108.7	6512.3	6886.9
-42.5°	1952.6	2315.4	2728.8	3189.9	3715.4	4238.8	4759.1	5246.4	5703.4	6108.7	6478.6
-45°	1803.1	2119.0	2463.2	2890.6	3342.6	3831.7	4320.1	4800.4	5246.4	5667.4	6035.6
-47.5°	1647.6	1924.2	2241.8	2581.4	2988.5	3419.4	3870.7	4320.1	4759.1	5166.5	5556.6
-50°	1495.3	1748.4	2013.0	2316.1	2646.2	3021.3	3419.4	3831.7	4238.8	4635.9	5007.8
-52.5°	1363.9	1567.0	1809.3	2062.2	2340.9	2646.2	2988.5	3342.6	3715.4	4077.4	4432.6
-55°	1228.7	1411.4	1607.5	1829.7	2062.2	2316.1	2581.4	2890.6	3189.9	3523.3	3842.6
-57.5°	1111.2	1260.3	1427.3	1607.5	1809.3	2013.0	2241.8	2463.2	2728.8	2994.1	3258.0
-60°	1003.1	1123.1	1260.3	1411.4	1567.0	1748.4	1924.2	2119.0	2315.4	2505.2	2738.0
-62.5°	895.0	1003.1	1111.2	1228.7	1363.9	1495.3	1647.6	1803.1	1952.6	2121.2	2285.3
-65°	795.9	884.6	979.3	1075.4	1169.0	1285.3	1400.8	1512.3	1643.7	1773.5	1897.2
-67.5°	695.1	775.1	853.3	931.9	1016.1	1097.9	1176.9	1276.5	1372.7	1464.7	1558.8
-70°	588.6	663.3	733.7	801.5	867.6	934.1	1004.2	1071.9	1136.8	1205.1	1282.7
-72.5°	480.0	545.5	609.4	671.7	729.8	785.7	839.8	891.9	945.7	999.8	1051.3
-75°	375.9	426.9	481.2	534.6	586.5	636.8	685.0	729.5	772.2	813.0	851.8
-77.5°	275.3	317.8	359.4	399.8	439.7	481.6	522.0	560.8	598.0	633.6	667.3
-80°	185.0	208.4	241.2	273.5	304.9	335.3	364.6	392.8	419.8	446.9	473.8
-82.5°	114.9	132.5	149.6	166.3	182.5	198.1	214.9	236.0	256.2	275.5	293.8
-85°	51.9	56.2	67.6	78.7	89.5	99.9	110.0	119.7	128.9	137.7	146.1
-87.5°	26.0	28.1	30.2	32.3	34.3	36.2	38.0	39.8	41.5	43.1	44.7
-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: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-LAM-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°	46.1	47.5	48.8	49.9	51.0	52.0	52.9	53.7	54.4	55.0	55.4
85°	154.0	161.5	168.4	174.9	180.8	186.2	191.1	195.4	199.1	202.3	204.9
82.5°	311.1	327.4	342.6	356.7	369.7	381.5	392.1	401.6	409.8	416.7	422.5
80°	499.3	523.3	545.6	566.4	585.5	602.9	618.6	632.5	644.6	654.9	663.3
77.5°	698.3	727.0	753.7	778.6	801.5	822.3	841.1	857.7	872.3	884.6	894.7
75°	888.5	924.3	960.9	994.9	1026.2	1054.7	1080.4	1103.2	1123.1	1140.0	1153.9
72.5°	1100.0	1145.9	1192.0	1244.3	1292.6	1336.6	1376.2	1411.4	1442.1	1468.2	1489.7
70°	1356.2	1425.4	1490.2	1556.4	1626.5	1690.6	1748.4	1799.7	1844.4	1882.5	1913.8
67.5°	1663.8	1762.9	1855.7	1942.0	2031.9	2119.0	2197.7	2267.6	2328.6	2380.4	2423.1
65°	2023.6	2156.4	2281.0	2396.9	2505.2	2631.6	2745.8	2847.3	2935.9	3011.4	3073.4
62.5°	2441.1	2614.3	2792.9	2959.3	3113.0	3264.7	3412.2	3543.4	3658.1	3755.7	3836.1
60°	2959.3	3168.5	3394.2	3607.0	3803.8	3984.1	4152.1	4301.7	4432.6	4544.1	4635.9
57.5°	3538.4	3803.8	4055.7	4296.0	4518.5	4722.3	4902.2	5059.5	5197.1	5314.5	5411.3
55°	4152.1	4449.5	4729.5	4982.9	5214.9	5427.8	5616.5	5768.9	5902.3	6016.3	6110.2
52.5°	4771.5	5080.3	5370.3	5635.3	5858.3	6063.2	6249.1	6402.0	6533.5	6645.9	6738.7
50°	5356.3	5675.8	5952.8	6212.5	6436.9	6637.5	6819.7	6975.3	7104.6	7215.2	7306.6
47.5°	5890.5	6205.3	6481.4	6734.0	6963.1	7158.9	7337.2	7494.9	7624.2	7735.0	7826.5
45°	6378.1	6682.3	6964.4	7209.6	7438.3	7635.4	7812.8	7972.0	8096.1	8200.3	8286.6
42.5°	6818.3	7120.0	7398.6	7646.3	7872.6	8069.9	8235.6	8384.8	8506.1	8603.3	8684.0
40°	7214.5	7522.3	7796.0	8046.4	8256.5	8450.3	8603.9	8742.5	8860.8	8953.5	9030.6
37.5°	7581.9	7887.1	8153.6	8392.9	8593.4	8773.5	8925.7	9057.1	9173.2	9259.2	9330.8
35°	7917.7	8207.7	8471.3	8690.7	8889.4	9059.1	9208.9	9330.1	9438.0	9520.0	9585.3
32.5°	8207.7	8495.4	8740.0	8956.0	9150.0	9308.3	9452.1	9563.2	9661.0	9739.9	9800.5
30°	8471.3	8740.0	8978.4	9192.4	9369.2	9523.4	9652.8	9761.2	9851.6	9926.8	9980.2
27.5°	8690.7	8956.0	9192.4	9389.7	9558.9	9707.3	9825.7	9930.1	10009.1	10078.3	10124.2
25°	8889.4	9150.0	9369.2	9558.9	9723.1	9858.6	9971.3	10065.9	10135.9	10195.2	10229.3
22.5°	9059.1	9308.3	9523.4	9707.3	9858.6	9985.2	10091.5	10171.5	10228.8	10264.7	10284.9
20°	9208.9	9452.1	9652.8	9825.7	9971.3	10091.5	10183.6	10242.8	10282.7	10292.6	10298.4
17.5°	9330.1	9563.2	9761.2	9930.1	10065.9	10171.5	10242.8	10284.6	10296.6	10294.4	10288.5
15°	9438.0	9661.0	9851.6	10009.1	10135.9	10228.8	10282.7	10296.6	10293.1	10281.0	10262.5
12.5°	9520.0	9739.9	9926.8	10078.3	10195.2	10264.7	10292.6	10294.4	10281.0	10258.0	10231.6
10°	9585.3	9800.5	9980.2	10124.2	10229.3	10284.9	10298.4	10288.5	10262.5	10231.6	10202.3
7.5°	9636.9	9848.7	10022.7	10160.8	10251.7	10291.1	10294.1	10275.5	10244.1	10209.1	10177.5
5°	9674.3	9883.6	10053.5	10187.6	10268.0	10295.7	10290.8	10265.2	10228.9	10192.2	10163.3
2.5°	9696.9	9904.7	10072.3	10203.8	10278.0	10298.5	10288.9	10258.8	10219.3	10181.4	10154.0
0°	9704.5	9911.8	10078.6	10209.3	10281.4	10299.4	10288.2	10256.6	10216.0	10177.7	10150.7
-2.5°	9696.9	9904.7	10072.3	10203.8	10278.0	10298.5	10288.9	10258.8	10219.3	10181.4	10154.0
-5°	9674.3	9883.6	10053.5	10187.6	10268.0	10295.7	10290.8	10265.2	10228.9	10192.2	10163.3
-7.5°	9636.9	9848.7	10022.7	10160.8	10251.7	10291.1	10294.1	10275.5	10244.1	10209.1	10177.5
-10°	9585.3	9800.5	9980.2	10124.2	10229.3	10284.9	10298.4	10288.5	10262.5	10231.6	10202.3
-12.5°	9520.0	9739.9	9926.8	10078.3	10195.2	10264.7	10292.6	10294.4	10281.0	10258.0	10231.6
-15°	9438.0	9661.0	9851.6	10009.1	10135.9	10228.8	10282.7	10296.6	10293.1	10281.0	10262.5
-17.5°	9330.1	9563.2	9761.2	9930.1	10065.9	10171.5	10242.8	10284.6	10296.6	10294.4	10288.5
-20°	9208.9	9452.1	9652.8	9825.7	9971.3	10091.5	10183.6	10242.8	10282.7	10292.6	10298.4



REPORT NUMBER: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9059.1	9308.3	9523.4	9707.3	9858.6	9985.2	10091.5	10171.5	10228.8	10264.7	10284.9
-25°	8889.4	9150.0	9369.2	9558.9	9723.1	9858.6	9971.3	10065.9	10135.9	10195.2	10229.3
-27.5°	8690.7	8956.0	9192.4	9389.7	9558.9	9707.3	9825.7	9930.1	10009.1	10078.3	10124.2
-30°	8471.3	8740.0	8978.4	9192.4	9369.2	9523.4	9652.8	9761.2	9851.6	9926.8	9980.2
-32.5°	8207.7	8495.4	8740.0	8956.0	9150.0	9308.3	9452.1	9563.2	9661.0	9739.9	9800.5
-35°	7917.7	8207.7	8471.3	8690.7	8889.4	9059.1	9208.9	9330.1	9438.0	9520.0	9585.3
-37.5°	7581.9	7887.1	8153.6	8392.9	8593.4	8773.5	8925.7	9057.1	9173.2	9259.2	9330.8
-40°	7214.5	7522.3	7796.0	8046.4	8256.5	8450.3	8603.9	8742.5	8860.8	8953.5	9030.6
-42.5°	6818.3	7120.0	7398.6	7646.3	7872.6	8069.9	8235.6	8384.8	8506.1	8603.3	8684.0
-45°	6378.1	6682.3	6964.4	7209.6	7438.3	7635.4	7812.8	7972.0	8096.1	8200.3	8286.6
-47.5°	5890.5	6205.3	6481.4	6734.0	6963.1	7158.9	7337.2	7494.9	7624.2	7735.0	7826.5
-50°	5356.3	5675.8	5952.8	6212.5	6436.9	6637.5	6819.7	6975.3	7104.6	7215.2	7306.6
-52.5°	4771.5	5080.3	5370.3	5635.3	5858.3	6063.2	6249.1	6402.0	6533.5	6645.9	6738.7
-55°	4152.1	4449.5	4729.5	4982.9	5214.9	5427.8	5616.5	5768.9	5902.3	6016.3	6110.2
-57.5°	3538.4	3803.8	4055.7	4296.0	4518.5	4722.3	4902.2	5059.5	5197.1	5314.5	5411.3
-60°	2959.3	3168.5	3394.2	3607.0	3803.8	3984.1	4152.1	4301.7	4432.6	4544.1	4635.9
-62.5°	2441.1	2614.3	2792.9	2959.3	3113.0	3264.7	3412.2	3543.4	3658.1	3755.7	3836.1
-65°	2023.6	2156.4	2281.0	2396.9	2505.2	2631.6	2745.8	2847.3	2935.9	3011.4	3073.4
-67.5°	1663.8	1762.9	1855.7	1942.0	2031.9	2119.0	2197.7	2267.6	2328.6	2380.4	2423.1
-70°	1356.2	1425.4	1490.2	1556.4	1626.5	1690.6	1748.4	1799.7	1844.4	1882.5	1913.8
-72.5°	1100.0	1145.9	1192.0	1244.3	1292.6	1336.6	1376.2	1411.4	1442.1	1468.2	1489.7
-75°	888.5	924.3	960.9	994.9	1026.2	1054.7	1080.4	1103.2	1123.1	1140.0	1153.9
-77.5°	698.3	727.0	753.7	778.6	801.5	822.3	841.1	857.7	872.3	884.6	894.7
-80°	499.3	523.3	545.6	566.4	585.5	602.9	618.6	632.5	644.6	654.9	663.3
-82.5°	311.1	327.4	342.6	356.7	369.7	381.5	392.1	401.6	409.8	416.7	422.5
-85°	154.0	161.5	168.4	174.9	180.8	186.2	191.1	195.4	199.1	202.3	204.9
-87.5°	46.1	47.5	48.8	49.9	51.0	52.0	52.9	53.7	54.4	55.0	55.4
-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: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-LAM-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°	55.8	56.1	56.2	56.3	56.2	56.1	55.8	55.4	55.0	54.4	53.7
85°	207.0	208.4	209.3	209.6	209.3	208.4	207.0	204.9	202.3	199.1	195.4
82.5°	426.9	430.1	432.1	432.7	432.1	430.1	426.9	422.5	416.7	409.8	401.6
80°	669.9	674.6	677.5	678.4	677.5	674.6	669.9	663.3	654.9	644.6	632.5
77.5°	902.6	908.3	911.7	912.8	911.7	908.3	902.6	894.7	884.6	872.3	857.7
75°	1164.7	1172.5	1177.1	1178.7	1177.1	1172.5	1164.7	1153.9	1140.0	1123.1	1103.2
72.5°	1506.4	1518.4	1525.6	1528.0	1525.6	1518.4	1506.4	1489.7	1468.2	1442.1	1411.4
70°	1938.2	1955.7	1966.2	1969.7	1966.2	1955.7	1938.2	1913.8	1882.5	1844.4	1799.7
67.5°	2456.4	2480.3	2494.6	2499.4	2494.6	2480.3	2456.4	2423.1	2380.4	2328.6	2267.6
65°	3121.9	3156.7	3177.5	3184.5	3177.5	3156.7	3121.9	3073.4	3011.4	2935.9	2847.3
62.5°	3898.9	3943.9	3971.0	3980.0	3971.0	3943.9	3898.9	3836.1	3755.7	3658.1	3543.4
60°	4707.7	4759.1	4790.1	4800.4	4790.1	4759.1	4707.7	4635.9	4544.1	4432.6	4301.7
57.5°	5486.9	5541.2	5573.8	5584.7	5573.8	5541.2	5486.9	5411.3	5314.5	5197.1	5059.5
55°	6183.7	6236.5	6268.2	6278.8	6268.2	6236.5	6183.7	6110.2	6016.3	5902.3	5768.9
52.5°	6811.3	6863.4	6894.8	6905.3	6894.8	6863.4	6811.3	6738.7	6645.9	6533.5	6402.0
50°	7378.2	7429.7	7460.6	7471.0	7460.6	7429.7	7378.2	7306.6	7215.2	7104.6	6975.3
47.5°	7898.4	7950.1	7981.2	7991.6	7981.2	7950.1	7898.4	7826.5	7735.0	7624.2	7494.9
45°	8354.4	8403.2	8432.6	8442.4	8432.6	8403.2	8354.4	8286.6	8200.3	8096.1	7972.0
42.5°	8747.5	8793.2	8820.8	8830.0	8820.8	8793.2	8747.5	8684.0	8603.3	8506.1	8384.8
40°	9091.3	9135.0	9161.5	9170.3	9161.5	9135.0	9091.3	9030.6	8953.5	8860.8	8742.5
37.5°	9387.3	9428.2	9452.8	9461.1	9452.8	9428.2	9387.3	9330.8	9259.2	9173.2	9057.1
35°	9636.9	9674.3	9696.9	9704.5	9696.9	9674.3	9636.9	9585.3	9520.0	9438.0	9330.1
32.5°	9848.7	9883.6	9904.7	9911.8	9904.7	9883.6	9848.7	9800.5	9739.9	9661.0	9563.2
30°	10022.7	10053.5	10072.3	10078.6	10072.3	10053.5	10022.7	9980.2	9926.8	9851.6	9761.2
27.5°	10160.8	10187.6	10203.8	10209.3	10203.8	10187.6	10160.8	10124.2	10078.3	10009.1	9930.1
25°	10251.7	10268.0	10278.0	10281.4	10278.0	10268.0	10251.7	10229.3	10195.2	10135.9	10065.9
22.5°	10291.1	10295.7	10298.5	10299.4	10298.5	10295.7	10291.1	10284.9	10264.7	10228.8	10171.5
20°	10294.1	10290.8	10288.9	10288.2	10288.9	10290.8	10294.1	10298.4	10292.6	10282.7	10242.8
17.5°	10275.5	10265.2	10258.8	10256.6	10258.8	10265.2	10275.5	10288.5	10294.4	10296.6	10284.6
15°	10244.1	10228.9	10219.3	10216.0	10219.3	10228.9	10244.1	10262.5	10281.0	10293.1	10296.6
12.5°	10209.1	10192.2	10181.4	10177.7	10181.4	10192.2	10209.1	10231.6	10258.0	10281.0	10294.4
10°	10177.5	10163.3	10154.0	10150.7	10154.0	10163.3	10177.5	10202.3	10231.6	10262.5	10288.5
7.5°	10157.1	10144.4	10137.4	10134.9	10137.4	10144.4	10157.1	10177.5	10209.1	10244.1	10275.5
5°	10144.4	10131.8	10121.1	10116.9	10121.1	10131.8	10144.4	10163.3	10192.2	10228.9	10265.2
2.5°	10137.4	10121.1	10105.0	10096.6	10105.0	10121.1	10137.4	10154.0	10181.4	10219.3	10258.8
0°	10134.9	10116.9	10096.6	10098.8	10096.6	10116.9	10134.9	10150.7	10177.7	10216.0	10256.6
-2.5°	10137.4	10121.1	10105.0	10096.6	10105.0	10121.1	10137.4	10154.0	10181.4	10219.3	10258.8
-5°	10144.4	10131.8	10121.1	10116.9	10121.1	10131.8	10144.4	10163.3	10192.2	10228.9	10265.2
-7.5°	10157.1	10144.4	10137.4	10134.9	10137.4	10144.4	10157.1	10177.5	10209.1	10244.1	10275.5
-10°	10177.5	10163.3	10154.0	10150.7	10154.0	10163.3	10177.5	10202.3	10231.6	10262.5	10288.5
-12.5°	10209.1	10192.2	10181.4	10177.7	10181.4	10192.2	10209.1	10231.6	10258.0	10281.0	10294.4
-15°	10244.1	10228.9	10219.3	10216.0	10219.3	10228.9	10244.1	10262.5	10281.0	10293.1	10296.6
-17.5°	10275.5	10265.2	10258.8	10256.6	10258.8	10265.2	10275.5	10288.5	10294.4	10296.6	10284.6
-20°	10294.1	10290.8	10288.9	10288.2	10288.9	10290.8	10294.1	10298.4	10292.6	10282.7	10242.8



REPORT NUMBER: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10291.1	10295.7	10298.5	10299.4	10298.5	10295.7	10291.1	10284.9	10264.7	10228.8	10171.5
-25°	10251.7	10268.0	10278.0	10281.4	10278.0	10268.0	10251.7	10229.3	10195.2	10135.9	10065.9
-27.5°	10160.8	10187.6	10203.8	10209.3	10203.8	10187.6	10160.8	10124.2	10078.3	10009.1	9930.1
-30°	10022.7	10053.5	10072.3	10078.6	10072.3	10053.5	10022.7	9980.2	9926.8	9851.6	9761.2
-32.5°	9848.7	9883.6	9904.7	9911.8	9904.7	9883.6	9848.7	9800.5	9739.9	9661.0	9563.2
-35°	9636.9	9674.3	9696.9	9704.5	9696.9	9674.3	9636.9	9585.3	9520.0	9438.0	9330.1
-37.5°	9387.3	9428.2	9452.8	9461.1	9452.8	9428.2	9387.3	9330.8	9259.2	9173.2	9057.1
-40°	9091.3	9135.0	9161.5	9170.3	9161.5	9135.0	9091.3	9030.6	8953.5	8860.8	8742.5
-42.5°	8747.5	8793.2	8820.8	8830.0	8820.8	8793.2	8747.5	8684.0	8603.3	8506.1	8384.8
-45°	8354.4	8403.2	8432.6	8442.4	8432.6	8403.2	8354.4	8286.6	8200.3	8096.1	7972.0
-47.5°	7898.4	7950.1	7981.2	7991.6	7981.2	7950.1	7898.4	7826.5	7735.0	7624.2	7494.9
-50°	7378.2	7429.7	7460.6	7471.0	7460.6	7429.7	7378.2	7306.6	7215.2	7104.6	6975.3
-52.5°	6811.3	6863.4	6894.8	6905.3	6894.8	6863.4	6811.3	6738.7	6645.9	6533.5	6402.0
-55°	6183.7	6236.5	6268.2	6278.8	6268.2	6236.5	6183.7	6110.2	6016.3	5902.3	5768.9
-57.5°	5486.9	5541.2	5573.8	5584.7	5573.8	5541.2	5486.9	5411.3	5314.5	5197.1	5059.5
-60°	4707.7	4759.1	4790.1	4800.4	4790.1	4759.1	4707.7	4635.9	4544.1	4432.6	4301.7
-62.5°	3898.9	3943.9	3971.0	3980.0	3971.0	3943.9	3898.9	3836.1	3755.7	3658.1	3543.4
-65°	3121.9	3156.7	3177.5	3184.5	3177.5	3156.7	3121.9	3073.4	3011.4	2935.9	2847.3
-67.5°	2456.4	2480.3	2494.6	2499.4	2494.6	2480.3	2456.4	2423.1	2380.4	2328.6	2267.6
-70°	1938.2	1955.7	1966.2	1969.7	1966.2	1955.7	1938.2	1913.8	1882.5	1844.4	1799.7
-72.5°	1506.4	1518.4	1525.6	1528.0	1525.6	1518.4	1506.4	1489.7	1468.2	1442.1	1411.4
-75°	1164.7	1172.5	1177.1	1178.7	1177.1	1172.5	1164.7	1153.9	1140.0	1123.1	1103.2
-77.5°	902.6	908.3	911.7	912.8	911.7	908.3	902.6	894.7	884.6	872.3	857.7
-80°	669.9	674.6	677.5	678.4	677.5	674.6	669.9	663.3	654.9	644.6	632.5
-82.5°	426.9	430.1	432.1	432.7	432.1	430.1	426.9	422.5	416.7	409.8	401.6
-85°	207.0	208.4	209.3	209.6	209.3	208.4	207.0	204.9	202.3	199.1	195.4
-87.5°	55.8	56.1	56.2	56.3	56.2	56.1	55.8	55.4	55.0	54.4	53.7
-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: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-U-LAM-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°	52.9	52.0	51.0	49.9	48.8	47.5	46.1	44.7	43.1	41.5	39.8
85°	191.1	186.2	180.8	174.9	168.4	161.5	154.0	146.1	137.7	128.9	119.7
82.5°	392.1	381.5	369.7	356.7	342.6	327.4	311.1	293.8	275.5	256.2	236.0
80°	618.6	602.9	585.5	566.4	545.6	523.3	499.3	473.8	446.9	419.8	392.8
77.5°	841.1	822.3	801.5	778.6	753.7	727.0	698.3	667.3	633.6	598.0	560.8
75°	1080.4	1054.7	1026.2	994.9	960.9	924.3	888.5	851.8	813.0	772.2	729.5
72.5°	1376.2	1336.6	1292.6	1244.3	1192.0	1145.9	1100.0	1051.3	999.8	945.7	891.9
70°	1748.4	1690.6	1626.5	1556.4	1490.2	1425.4	1356.2	1282.7	1205.1	1136.8	1071.9
67.5°	2197.7	2119.0	2031.9	1942.0	1855.7	1762.9	1663.8	1558.8	1464.7	1372.7	1276.5
65°	2745.8	2631.6	2505.2	2396.9	2281.0	2156.4	2023.6	1897.2	1773.5	1643.7	1512.3
62.5°	3412.2	3264.7	3113.0	2959.3	2792.9	2614.3	2441.1	2285.3	2121.2	1952.6	1803.1
60°	4152.1	3984.1	3803.8	3607.0	3394.2	3168.5	2959.3	2738.0	2505.2	2315.4	2119.0
57.5°	4902.2	4722.3	4518.5	4296.0	4055.7	3803.8	3538.4	3258.0	2994.1	2728.8	2463.2
55°	5616.5	5427.8	5214.9	4982.9	4729.5	4449.5	4152.1	3842.6	3523.3	3189.9	2890.6
52.5°	6249.1	6063.2	5858.3	5635.3	5370.3	5080.3	4771.5	4432.6	4077.4	3715.4	3342.6
50°	6819.7	6637.5	6436.9	6212.5	5952.8	5675.8	5356.3	5007.8	4635.9	4238.8	3831.7
47.5°	7337.2	7158.9	6963.1	6734.0	6481.4	6205.3	5890.5	5556.6	5166.5	4759.1	4320.1
45°	7812.8	7635.4	7438.3	7209.6	6964.4	6682.3	6378.1	6035.6	5667.4	5246.4	4800.4
42.5°	8235.6	8069.9	7872.6	7646.3	7398.6	7120.0	6818.3	6478.6	6108.7	5703.4	5246.4
40°	8603.9	8450.3	8256.5	8046.4	7796.0	7522.3	7214.5	6886.9	6512.3	6108.7	5667.4
37.5°	8925.7	8773.5	8593.4	8392.9	8153.6	7887.1	7581.9	7246.2	6886.9	6478.6	6035.6
35°	9208.9	9059.1	8889.4	8690.7	8471.3	8207.7	7917.7	7581.9	7214.5	6818.3	6378.1
32.5°	9452.1	9308.3	9150.0	8956.0	8740.0	8495.4	8207.7	7887.1	7522.3	7120.0	6682.3
30°	9652.8	9523.4	9369.2	9192.4	8978.4	8740.0	8471.3	8153.6	7796.0	7398.6	6964.4
27.5°	9825.7	9707.3	9558.9	9389.7	9192.4	8956.0	8690.7	8392.9	8046.4	7646.3	7209.6
25°	9971.3	9858.6	9723.1	9558.9	9369.2	9150.0	8889.4	8593.4	8256.5	7872.6	7438.3
22.5°	10091.5	9985.2	9858.6	9707.3	9523.4	9308.3	9059.1	8773.5	8450.3	8069.9	7635.4
20°	10183.6	10091.5	9971.3	9825.7	9652.8	9452.1	9208.9	8925.7	8603.9	8235.6	7812.8
17.5°	10242.8	10171.5	10065.9	9930.1	9761.2	9563.2	9330.1	9057.1	8742.5	8384.8	7972.0
15°	10282.7	10228.8	10135.9	10009.1	9851.6	9661.0	9438.0	9173.2	8860.8	8506.1	8096.1
12.5°	10292.6	10264.7	10195.2	10078.3	9926.8	9739.9	9520.0	9259.2	8953.5	8603.3	8200.3
10°	10298.4	10284.9	10229.3	10124.2	9980.2	9800.5	9585.3	9330.8	9030.6	8684.0	8286.6
7.5°	10294.1	10291.1	10251.7	10160.8	10022.7	9848.7	9636.9	9387.3	9091.3	8747.5	8354.4
5°	10290.8	10295.7	10268.0	10187.6	10053.5	9883.6	9674.3	9428.2	9135.0	8793.2	8403.2
2.5°	10288.9	10298.5	10278.0	10203.8	10072.3	9904.7	9696.9	9452.8	9161.5	8820.8	8432.6
0°	10288.2	10299.4	10281.4	10209.3	10078.6	9911.8	9704.5	9461.1	9170.3	8830.0	8442.4
-2.5°	10288.9	10298.5	10278.0	10203.8	10072.3	9904.7	9696.9	9452.8	9161.5	8820.8	8432.6
-5°	10290.8	10295.7	10268.0	10187.6	10053.5	9883.6	9674.3	9428.2	9135.0	8793.2	8403.2
-7.5°	10294.1	10291.1	10251.7	10160.8	10022.7	9848.7	9636.9	9387.3	9091.3	8747.5	8354.4
-10°	10298.4	10284.9	10229.3	10124.2	9980.2	9800.5	9585.3	9330.8	9030.6	8684.0	8286.6
-12.5°	10292.6	10264.7	10195.2	10078.3	9926.8	9739.9	9520.0	9259.2	8953.5	8603.3	8200.3
-15°	10282.7	10228.8	10135.9	10009.1	9851.6	9661.0	9438.0	9173.2	8860.8	8506.1	8096.1
-17.5°	10242.8	10171.5	10065.9	9930.1	9761.2	9563.2	9330.1	9057.1	8742.5	8384.8	7972.0
-20°	10183.6	10091.5	9971.3	9825.7	9652.8	9452.1	9208.9	8925.7	8603.9	8235.6	7812.8



REPORT NUMBER: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10091.5	9985.2	9858.6	9707.3	9523.4	9308.3	9059.1	8773.5	8450.3	8069.9	7635.4
-25°	9971.3	9858.6	9723.1	9558.9	9369.2	9150.0	8889.4	8593.4	8256.5	7872.6	7438.3
-27.5°	9825.7	9707.3	9558.9	9389.7	9192.4	8956.0	8690.7	8392.9	8046.4	7646.3	7209.6
-30°	9652.8	9523.4	9369.2	9192.4	8978.4	8740.0	8471.3	8153.6	7796.0	7398.6	6964.4
-32.5°	9452.1	9308.3	9150.0	8956.0	8740.0	8495.4	8207.7	7887.1	7522.3	7120.0	6682.3
-35°	9208.9	9059.1	8889.4	8690.7	8471.3	8207.7	7917.7	7581.9	7214.5	6818.3	6378.1
-37.5°	8925.7	8773.5	8593.4	8392.9	8153.6	7887.1	7581.9	7246.2	6886.9	6478.6	6035.6
-40°	8603.9	8450.3	8256.5	8046.4	7796.0	7522.3	7214.5	6886.9	6512.3	6108.7	5667.4
-42.5°	8235.6	8069.9	7872.6	7646.3	7398.6	7120.0	6818.3	6478.6	6108.7	5703.4	5246.4
-45°	7812.8	7635.4	7438.3	7209.6	6964.4	6682.3	6378.1	6035.6	5667.4	5246.4	4800.4
-47.5°	7337.2	7158.9	6963.1	6734.0	6481.4	6205.3	5890.5	5556.6	5166.5	4759.1	4320.1
-50°	6819.7	6637.5	6436.9	6212.5	5952.8	5675.8	5356.3	5007.8	4635.9	4238.8	3831.7
-52.5°	6249.1	6063.2	5858.3	5635.3	5370.3	5080.3	4771.5	4432.6	4077.4	3715.4	3342.6
-55°	5616.5	5427.8	5214.9	4982.9	4729.5	4449.5	4152.1	3842.6	3523.3	3189.9	2890.6
-57.5°	4902.2	4722.3	4518.5	4296.0	4055.7	3803.8	3538.4	3258.0	2994.1	2728.8	2463.2
-60°	4152.1	3984.1	3803.8	3607.0	3394.2	3168.5	2959.3	2738.0	2505.2	2315.4	2119.0
-62.5°	3412.2	3264.7	3113.0	2959.3	2792.9	2614.3	2441.1	2285.3	2121.2	1952.6	1803.1
-65°	2745.8	2631.6	2505.2	2396.9	2281.0	2156.4	2023.6	1897.2	1773.5	1643.7	1512.3
-67.5°	2197.7	2119.0	2031.9	1942.0	1855.7	1762.9	1663.8	1558.8	1464.7	1372.7	1276.5
-70°	1748.4	1690.6	1626.5	1556.4	1490.2	1425.4	1356.2	1282.7	1205.1	1136.8	1071.9
-72.5°	1376.2	1336.6	1292.6	1244.3	1192.0	1145.9	1100.0	1051.3	999.8	945.7	891.9
-75°	1080.4	1054.7	1026.2	994.9	960.9	924.3	888.5	851.8	813.0	772.2	729.5
-77.5°	841.1	822.3	801.5	778.6	753.7	727.0	698.3	667.3	633.6	598.0	560.8
-80°	618.6	602.9	585.5	566.4	545.6	523.3	499.3	473.8	446.9	419.8	392.8
-82.5°	392.1	381.5	369.7	356.7	342.6	327.4	311.1	293.8	275.5	256.2	236.0
-85°	191.1	186.2	180.8	174.9	168.4	161.5	154.0	146.1	137.7	128.9	119.7
-87.5°	52.9	52.0	51.0	49.9	48.8	47.5	46.1	44.7	43.1	41.5	39.8
-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: P645536 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-722-U-LAM-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°	38.0	36.2	34.3	32.3	30.2	28.1	26.0	23.8	21.5	19.3	16.9
85°	110.0	99.9	89.5	78.7	67.6	56.2	51.9	47.5	43.0	38.5	33.8
82.5°	214.9	198.1	182.5	166.3	149.6	132.5	114.9	96.9	78.6	59.9	50.7
80°	364.6	335.3	304.9	273.5	241.2	208.4	185.0	161.1	136.6	111.8	86.5
77.5°	522.0	481.6	439.7	399.8	359.4	317.8	275.3	231.8	194.3	163.3	131.8
75°	685.0	636.8	586.5	534.6	481.2	426.9	375.9	323.8	270.7	216.6	176.7
72.5°	839.8	785.7	729.8	671.7	609.4	545.5	480.0	415.0	353.1	290.2	226.4
70°	1004.2	934.1	867.6	801.5	733.7	663.3	588.6	512.4	434.7	362.9	290.2
67.5°	1176.9	1097.9	1016.1	931.9	853.3	775.1	695.1	610.3	523.2	434.7	353.1
65°	1400.8	1285.3	1169.0	1075.4	979.3	884.6	795.9	705.5	610.3	512.4	415.0
62.5°	1647.6	1495.3	1363.9	1228.7	1111.2	1003.1	895.0	795.9	695.1	588.6	480.0
60°	1924.2	1748.4	1567.0	1411.4	1260.3	1123.1	1003.1	884.6	775.1	663.3	545.5
57.5°	2241.8	2013.0	1809.3	1607.5	1427.3	1260.3	1111.2	979.3	853.3	733.7	609.4
55°	2581.4	2316.1	2062.2	1829.7	1607.5	1411.4	1228.7	1075.4	931.9	801.5	671.7
52.5°	2988.5	2646.2	2340.9	2062.2	1809.3	1567.0	1363.9	1169.0	1016.1	867.6	729.8
50°	3419.4	3021.3	2646.2	2316.1	2013.0	1748.4	1495.3	1285.3	1097.9	934.1	785.7
47.5°	3870.7	3419.4	2988.5	2581.4	2241.8	1924.2	1647.6	1400.8	1176.9	1004.2	839.8
45°	4320.1	3831.7	3342.6	2890.6	2463.2	2119.0	1803.1	1512.3	1276.5	1071.9	891.9
42.5°	4759.1	4238.8	3715.4	3189.9	2728.8	2315.4	1952.6	1643.7	1372.7	1136.8	945.7
40°	5166.5	4635.9	4077.4	3523.3	2994.1	2505.2	2121.2	1773.5	1464.7	1205.1	999.8
37.5°	5556.6	5007.8	4432.6	3842.6	3258.0	2738.0	2285.3	1897.2	1558.8	1282.7	1051.3
35°	5890.5	5356.3	4771.5	4152.1	3538.4	2959.3	2441.1	2023.6	1663.8	1356.2	1100.0
32.5°	6205.3	5675.8	5080.3	4449.5	3803.8	3168.5	2614.3	2156.4	1762.9	1425.4	1145.9
30°	6481.4	5952.8	5370.3	4729.5	4055.7	3394.2	2792.9	2281.0	1855.7	1490.2	1192.0
27.5°	6734.0	6212.5	5635.3	4982.9	4296.0	3607.0	2959.3	2396.9	1942.0	1556.4	1244.3
25°	6963.1	6436.9	5858.3	5214.9	4518.5	3803.8	3113.0	2505.2	2031.9	1626.5	1292.6
22.5°	7158.9	6637.5	6063.2	5427.8	4722.3	3984.1	3264.7	2631.6	2119.0	1690.6	1336.6
20°	7337.2	6819.7	6249.1	5616.5	4902.2	4152.1	3412.2	2745.8	2197.7	1748.4	1376.2
17.5°	7494.9	6975.3	6402.0	5768.9	5059.5	4301.7	3543.4	2847.3	2267.6	1799.7	1411.4
15°	7624.2	7104.6	6533.5	5902.3	5197.1	4432.6	3658.1	2935.9	2328.6	1844.4	1442.1
12.5°	7735.0	7215.2	6645.9	6016.3	5314.5	4544.1	3755.7	3011.4	2380.4	1882.5	1468.2
10°	7826.5	7306.6	6738.7	6110.2	5411.3	4635.9	3836.1	3073.4	2423.1	1913.8	1489.7
7.5°	7898.4	7378.2	6811.3	6183.7	5486.9	4707.7	3898.9	3121.9	2456.4	1938.2	1506.4
5°	7950.1	7429.7	6863.4	6236.5	5541.2	4759.1	3943.9	3156.7	2480.3	1955.7	1518.4
2.5°	7981.2	7460.6	6894.8	6268.2	5573.8	4790.1	3971.0	3177.5	2494.6	1966.2	1525.6
0°	7991.6	7471.0	6905.3	6278.8	5584.7	4800.4	3980.0	3184.5	2499.4	1969.7	1528.0
-2.5°	7981.2	7460.6	6894.8	6268.2	5573.8	4790.1	3971.0	3177.5	2494.6	1966.2	1525.6
-5°	7950.1	7429.7	6863.4	6236.5	5541.2	4759.1	3943.9	3156.7	2480.3	1955.7	1518.4
-7.5°	7898.4	7378.2	6811.3	6183.7	5486.9	4707.7	3898.9	3121.9	2456.4	1938.2	1506.4
-10°	7826.5	7306.6	6738.7	6110.2	5411.3	4635.9	3836.1	3073.4	2423.1	1913.8	1489.7
-12.5°	7735.0	7215.2	6645.9	6016.3	5314.5	4544.1	3755.7	3011.4	2380.4	1882.5	1468.2
-15°	7624.2	7104.6	6533.5	5902.3	5197.1	4432.6	3658.1	2935.9	2328.6	1844.4	1442.1
-17.5°	7494.9	6975.3	6402.0	5768.9	5059.5	4301.7	3543.4	2847.3	2267.6	1799.7	1411.4
-20°	7337.2	6819.7	6249.1	5616.5	4902.2	4152.1	3412.2	2745.8	2197.7	1748.4	1376.2



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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°	7158.9	6637.5	6063.2	5427.8	4722.3	3984.1	3264.7	2631.6	2119.0	1690.6	1336.6
-25°	6963.1	6436.9	5858.3	5214.9	4518.5	3803.8	3113.0	2505.2	2031.9	1626.5	1292.6
-27.5°	6734.0	6212.5	5635.3	4982.9	4296.0	3607.0	2959.3	2396.9	1942.0	1556.4	1244.3
-30°	6481.4	5952.8	5370.3	4729.5	4055.7	3394.2	2792.9	2281.0	1855.7	1490.2	1192.0
-32.5°	6205.3	5675.8	5080.3	4449.5	3803.8	3168.5	2614.3	2156.4	1762.9	1425.4	1145.9
-35°	5890.5	5356.3	4771.5	4152.1	3538.4	2959.3	2441.1	2023.6	1663.8	1356.2	1100.0
-37.5°	5556.6	5007.8	4432.6	3842.6	3258.0	2738.0	2285.3	1897.2	1558.8	1282.7	1051.3
-40°	5166.5	4635.9	4077.4	3523.3	2994.1	2505.2	2121.2	1773.5	1464.7	1205.1	999.8
-42.5°	4759.1	4238.8	3715.4	3189.9	2728.8	2315.4	1952.6	1643.7	1372.7	1136.8	945.7
-45°	4320.1	3831.7	3342.6	2890.6	2463.2	2119.0	1803.1	1512.3	1276.5	1071.9	891.9
-47.5°	3870.7	3419.4	2988.5	2581.4	2241.8	1924.2	1647.6	1400.8	1176.9	1004.2	839.8
-50°	3419.4	3021.3	2646.2	2316.1	2013.0	1748.4	1495.3	1285.3	1097.9	934.1	785.7
-52.5°	2988.5	2646.2	2340.9	2062.2	1809.3	1567.0	1363.9	1169.0	1016.1	867.6	729.8
-55°	2581.4	2316.1	2062.2	1829.7	1607.5	1411.4	1228.7	1075.4	931.9	801.5	671.7
-57.5°	2241.8	2013.0	1809.3	1607.5	1427.3	1260.3	1111.2	979.3	853.3	733.7	609.4
-60°	1924.2	1748.4	1567.0	1411.4	1260.3	1123.1	1003.1	884.6	775.1	663.3	545.5
-62.5°	1647.6	1495.3	1363.9	1228.7	1111.2	1003.1	895.0	795.9	695.1	588.6	480.0
-65°	1400.8	1285.3	1169.0	1075.4	979.3	884.6	795.9	705.5	610.3	512.4	415.0
-67.5°	1176.9	1097.9	1016.1	931.9	853.3	775.1	695.1	610.3	523.2	434.7	353.1
-70°	1004.2	934.1	867.6	801.5	733.7	663.3	588.6	512.4	434.7	362.9	290.2
-72.5°	839.8	785.7	729.8	671.7	609.4	545.5	480.0	415.0	353.1	290.2	226.4
-75°	685.0	636.8	586.5	534.6	481.2	426.9	375.9	323.8	270.7	216.6	176.7
-77.5°	522.0	481.6	439.7	399.8	359.4	317.8	275.3	231.8	194.3	163.3	131.8
-80°	364.6	335.3	304.9	273.5	241.2	208.4	185.0	161.1	136.6	111.8	86.5
-82.5°	214.9	198.1	182.5	166.3	149.6	132.5	114.9	96.9	78.6	59.9	50.7
-85°	110.0	99.9	89.5	78.7	67.6	56.2	51.9	47.5	43.0	38.5	33.8
-87.5°	38.0	36.2	34.3	32.3	30.2	28.1	26.0	23.8	21.5	19.3	16.9
-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°	14.6	12.2	9.8	7.3	4.9	2.5	0.0
85°	29.1	24.3	19.5	14.7	9.8	4.9	0.0
82.5°	43.6	36.5	29.2	22.0	14.7	7.3	0.0
80°	61.0	48.5	38.9	29.2	19.5	9.8	0.0
77.5°	99.9	67.6	48.5	36.5	24.3	12.2	0.0
75°	138.5	99.9	61.0	43.6	29.1	14.6	0.0
72.5°	176.7	131.8	86.5	50.7	33.8	16.9	0.0
70°	216.6	163.3	111.8	59.9	38.5	19.3	0.0
67.5°	270.7	194.3	136.6	78.6	43.0	21.5	0.0
65°	323.8	231.8	161.1	96.9	47.5	23.8	0.0
62.5°	375.9	275.3	185.0	114.9	51.9	26.0	0.0
60°	426.9	317.8	208.4	132.5	56.2	28.1	0.0
57.5°	481.2	359.4	241.2	149.6	67.6	30.2	0.0
55°	534.6	399.8	273.5	166.3	78.7	32.3	0.0
52.5°	586.5	439.7	304.9	182.5	89.5	34.3	0.0
50°	636.8	481.6	335.3	198.1	99.9	36.2	0.0
47.5°	685.0	522.0	364.6	214.9	110.0	38.0	0.0
45°	729.5	560.8	392.8	236.0	119.7	39.8	0.0
42.5°	772.2	598.0	419.8	256.2	128.9	41.5	0.0
40°	813.0	633.6	446.9	275.5	137.7	43.1	0.0
37.5°	851.8	667.3	473.8	293.8	146.1	44.7	0.0
35°	888.5	698.3	499.3	311.1	154.0	46.1	0.0
32.5°	924.3	727.0	523.3	327.4	161.5	47.5	0.0
30°	960.9	753.7	545.6	342.6	168.4	48.8	0.0
27.5°	994.9	778.6	566.4	356.7	174.9	49.9	0.0
25°	1026.2	801.5	585.5	369.7	180.8	51.0	0.0
22.5°	1054.7	822.3	602.9	381.5	186.2	52.0	0.0
20°	1080.4	841.1	618.6	392.1	191.1	52.9	0.0
17.5°	1103.2	857.7	632.5	401.6	195.4	53.7	0.0
15°	1123.1	872.3	644.6	409.8	199.1	54.4	0.0
12.5°	1140.0	884.6	654.9	416.7	202.3	55.0	0.0
10°	1153.9	894.7	663.3	422.5	204.9	55.4	0.0
7.5°	1164.7	902.6	669.9	426.9	207.0	55.8	0.0
5°	1172.5	908.3	674.6	430.1	208.4	56.1	0.0
2.5°	1177.1	911.7	677.5	432.1	209.3	56.2	0.0
0°	1178.7	912.8	678.4	432.7	209.6	56.3	0.0
-2.5°	1177.1	911.7	677.5	432.1	209.3	56.2	0.0
-5°	1172.5	908.3	674.6	430.1	208.4	56.1	0.0
-7.5°	1164.7	902.6	669.9	426.9	207.0	55.8	0.0
-10°	1153.9	894.7	663.3	422.5	204.9	55.4	0.0
-12.5°	1140.0	884.6	654.9	416.7	202.3	55.0	0.0
-15°	1123.1	872.3	644.6	409.8	199.1	54.4	0.0
-17.5°	1103.2	857.7	632.5	401.6	195.4	53.7	0.0
-20°	1080.4	841.1	618.6	392.1	191.1	52.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1054.7	822.3	602.9	381.5	186.2	52.0	0.0
-25°	1026.2	801.5	585.5	369.7	180.8	51.0	0.0
-27.5°	994.9	778.6	566.4	356.7	174.9	49.9	0.0
-30°	960.9	753.7	545.6	342.6	168.4	48.8	0.0
-32.5°	924.3	727.0	523.3	327.4	161.5	47.5	0.0
-35°	888.5	698.3	499.3	311.1	154.0	46.1	0.0
-37.5°	851.8	667.3	473.8	293.8	146.1	44.7	0.0
-40°	813.0	633.6	446.9	275.5	137.7	43.1	0.0
-42.5°	772.2	598.0	419.8	256.2	128.9	41.5	0.0
-45°	729.5	560.8	392.8	236.0	119.7	39.8	0.0
-47.5°	685.0	522.0	364.6	214.9	110.0	38.0	0.0
-50°	636.8	481.6	335.3	198.1	99.9	36.2	0.0
-52.5°	586.5	439.7	304.9	182.5	89.5	34.3	0.0
-55°	534.6	399.8	273.5	166.3	78.7	32.3	0.0
-57.5°	481.2	359.4	241.2	149.6	67.6	30.2	0.0
-60°	426.9	317.8	208.4	132.5	56.2	28.1	0.0
-62.5°	375.9	275.3	185.0	114.9	51.9	26.0	0.0
-65°	323.8	231.8	161.1	96.9	47.5	23.8	0.0
-67.5°	270.7	194.3	136.6	78.6	43.0	21.5	0.0
-70°	216.6	163.3	111.8	59.9	38.5	19.3	0.0
-72.5°	176.7	131.8	86.5	50.7	33.8	16.9	0.0
-75°	138.5	99.9	61.0	43.6	29.1	14.6	0.0
-77.5°	99.9	67.6	48.5	36.5	24.3	12.2	0.0
-80°	61.0	48.5	38.9	29.2	19.5	9.8	0.0
-82.5°	43.6	36.5	29.2	22.0	14.7	7.3	0.0
-85°	29.1	24.3	19.5	14.7	9.8	4.9	0.0
-87.5°	14.6	12.2	9.8	7.3	4.9	2.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)