

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: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-740-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645484 (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: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4D-740-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

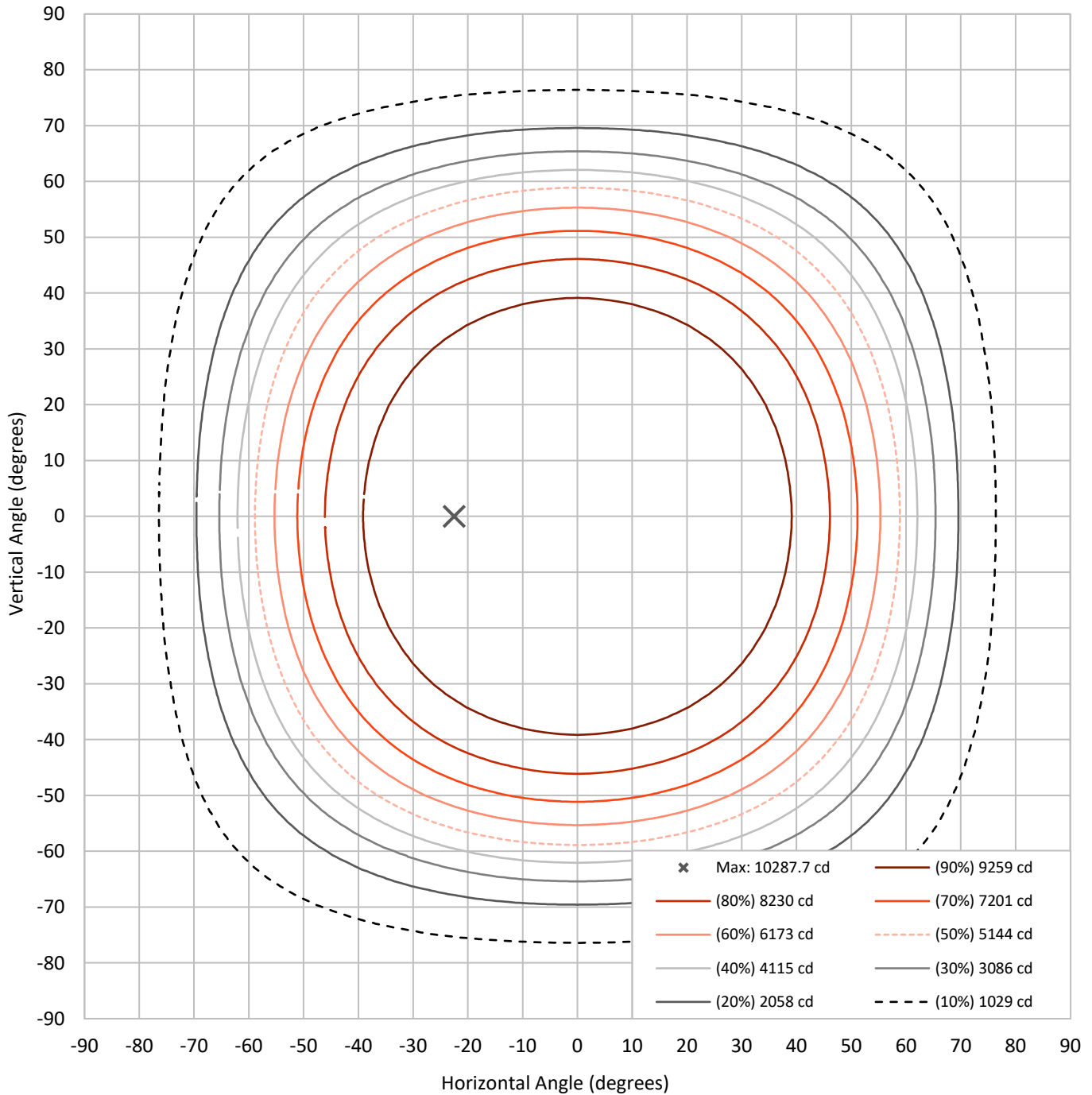
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	31470.6 lumens	Max Intensity:	10287.7 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	142.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	26190.4 lumens	Field Lumens:	30851.6 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	221.4		
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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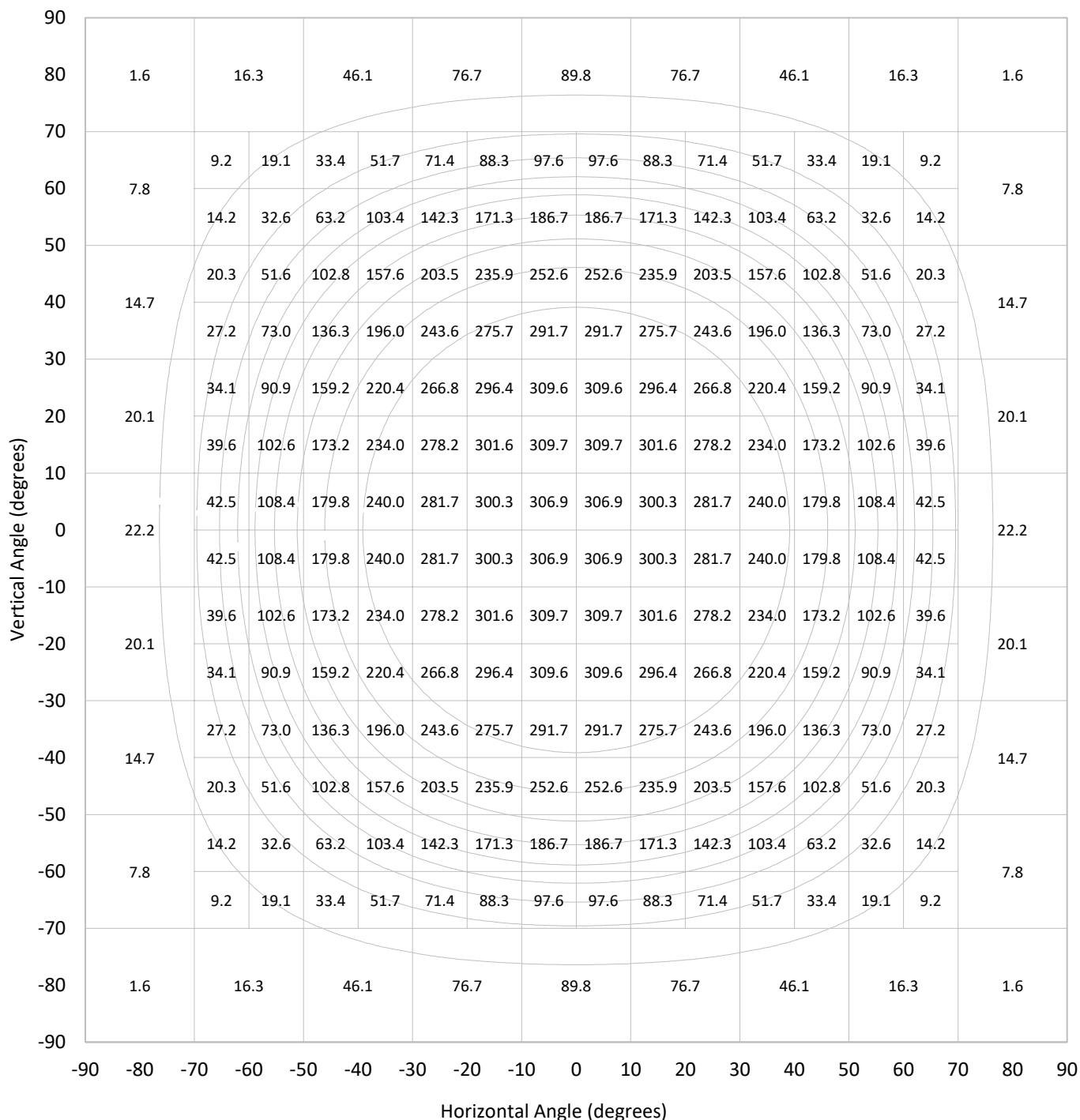
Iso-Candela Plot





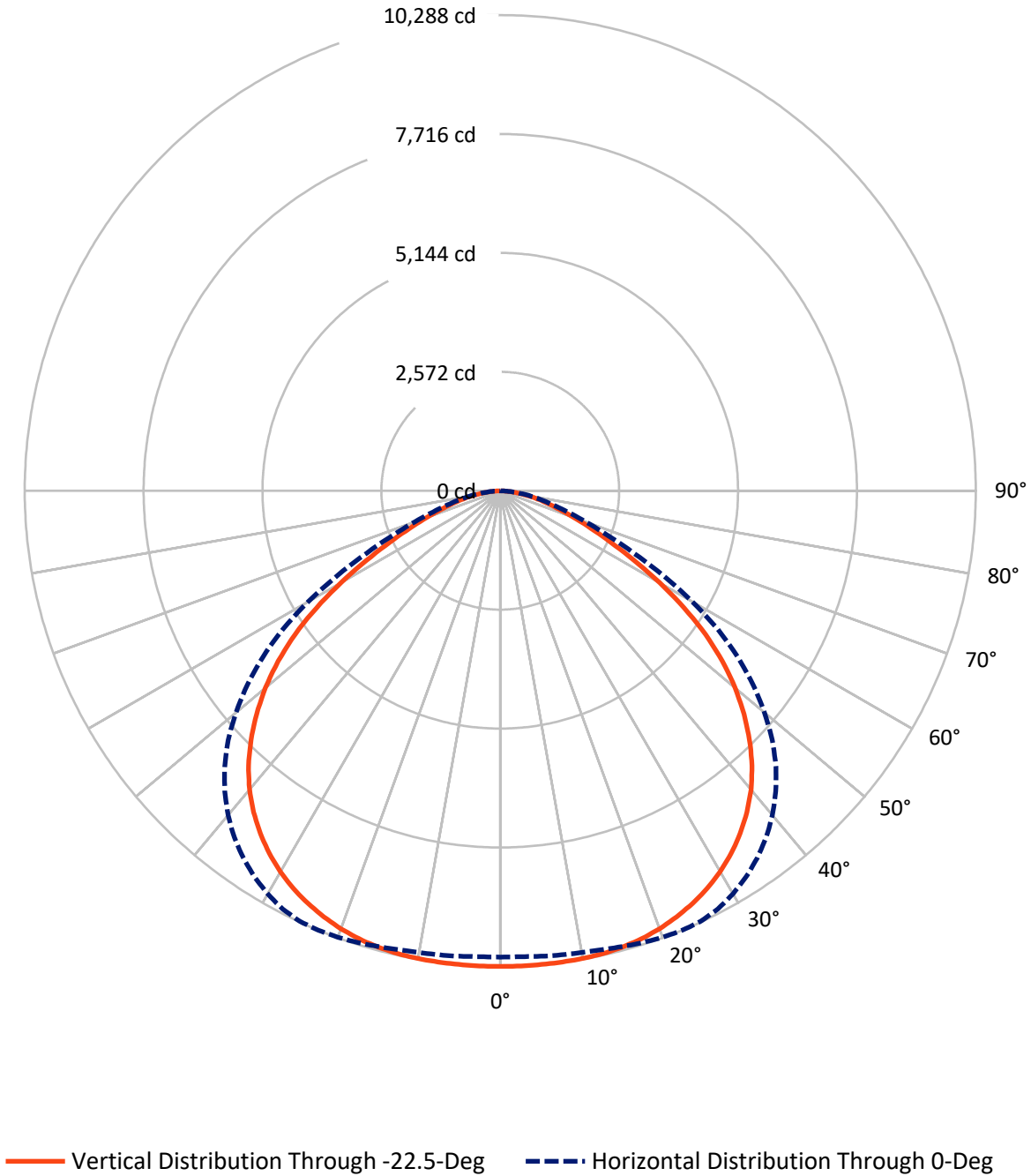
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Lumen Table



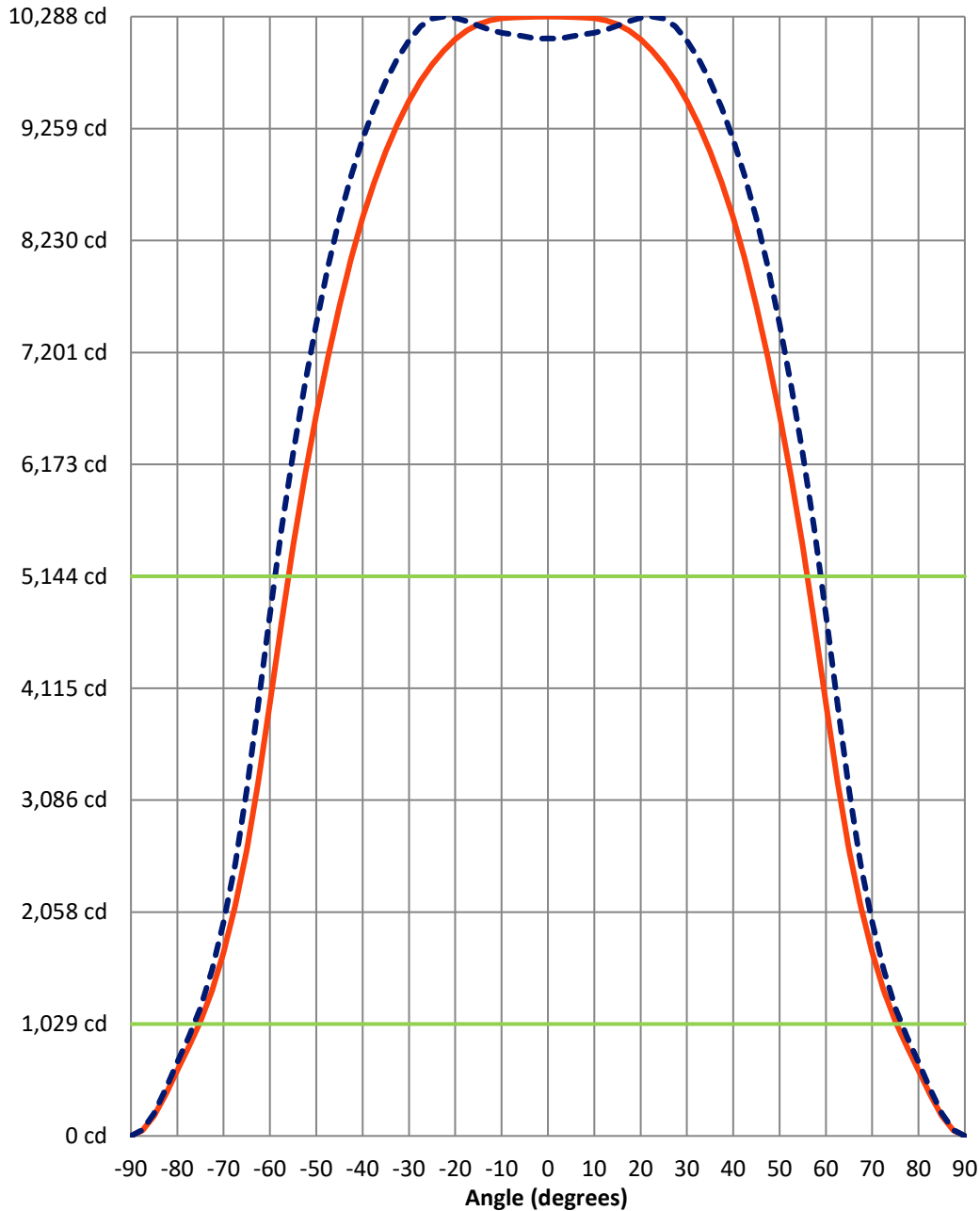
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 26190.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 30851.6
 Efficiency: 98.0%

Spill:
 Lumens: 618.9
 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	78.5	96.9
80°	0.0	9.8	19.5	29.2	38.9	48.5	61.0	86.5	111.7	136.5	160.9
77.5°	0.0	12.2	24.3	36.5	48.5	67.6	99.9	131.7	163.2	194.2	231.5
75°	0.0	14.6	29.1	43.6	61.0	99.9	138.4	176.6	216.4	270.4	323.4
72.5°	0.0	16.9	33.8	50.7	86.5	131.7	176.6	226.2	289.9	352.7	414.5
70°	0.0	19.3	38.5	59.9	111.7	163.2	216.4	289.9	362.5	434.2	511.8
67.5°	0.0	21.5	43.0	78.5	136.5	194.2	270.4	352.7	434.2	522.6	609.6
65°	0.0	23.8	47.5	96.9	160.9	231.5	323.4	414.5	511.8	609.6	704.6
62.5°	0.0	26.0	51.9	114.8	184.8	275.0	375.5	479.4	587.9	694.3	794.9
60°	0.0	28.1	56.2	132.4	208.2	317.5	426.4	544.8	662.5	774.2	883.5
57.5°	0.0	30.2	67.6	149.5	240.9	359.0	480.7	608.7	732.8	852.3	978.1
55°	0.0	32.3	78.7	166.1	273.2	399.3	534.0	670.9	800.6	930.8	1074.1
52.5°	0.0	34.3	89.5	182.3	304.6	439.2	585.8	728.9	866.5	1014.9	1167.6
50°	0.0	36.2	99.9	197.9	334.9	481.0	636.0	784.8	932.9	1096.6	1283.8
47.5°	0.0	38.0	109.9	214.7	364.2	521.3	684.2	838.8	1003.0	1175.5	1399.2
45°	0.0	39.8	119.6	235.8	392.4	560.1	728.7	890.8	1070.6	1275.0	1510.6
42.5°	0.0	41.5	128.8	256.0	419.3	597.3	771.3	944.5	1135.4	1371.1	1641.9
40°	0.0	43.1	137.6	275.2	446.4	632.8	812.0	998.6	1203.7	1463.0	1771.5
37.5°	0.0	44.7	146.0	293.5	473.3	666.6	850.8	1050.0	1281.2	1557.0	1895.1
35°	0.0	46.1	153.9	310.8	498.7	697.5	887.4	1098.7	1354.6	1662.0	2021.3
32.5°	0.0	47.5	161.4	327.1	522.6	726.1	923.2	1144.5	1423.8	1760.9	2154.0
30°	0.0	48.8	168.3	342.2	545.0	752.8	959.8	1190.6	1488.5	1853.6	2278.3
27.5°	0.0	49.9	174.7	356.3	565.7	777.7	993.7	1242.9	1554.6	1939.8	2394.1
25°	0.0	51.0	180.6	369.3	584.8	800.5	1025.0	1291.1	1624.7	2029.6	2502.3
22.5°	0.0	52.0	186.0	381.1	602.2	821.3	1053.5	1335.0	1688.7	2116.6	2628.5
20°	0.0	52.9	190.9	391.7	617.8	840.1	1079.1	1374.7	1746.4	2195.2	2742.6
17.5°	0.0	53.7	195.2	401.1	631.7	856.7	1101.9	1409.8	1797.7	2265.0	2844.0
15°	0.0	54.4	198.9	409.3	643.8	871.2	1121.8	1440.5	1842.4	2325.9	2932.5
12.5°	0.0	55.0	202.1	416.3	654.1	883.5	1138.7	1466.6	1880.4	2377.7	3007.9
10°	0.0	55.4	204.7	422.0	662.5	893.6	1152.5	1488.0	1911.6	2420.3	3069.9
7.5°	0.0	55.8	206.8	426.4	669.1	901.5	1163.4	1504.7	1936.0	2453.6	3118.3
5°	0.0	56.1	208.2	429.6	673.8	907.2	1171.1	1516.7	1953.5	2477.4	3153.0
2.5°	0.0	56.2	209.1	431.6	676.7	910.6	1175.7	1523.9	1964.0	2491.7	3173.8
0°	0.0	56.3	209.4	432.2	677.6	911.7	1177.3	1526.3	1967.5	2496.5	3180.8
-2.5°	0.0	56.2	209.1	431.6	676.7	910.6	1175.7	1523.9	1964.0	2491.7	3173.8
-5°	0.0	56.1	208.2	429.6	673.8	907.2	1171.1	1516.7	1953.5	2477.4	3153.0
-7.5°	0.0	55.8	206.8	426.4	669.1	901.5	1163.4	1504.7	1936.0	2453.6	3118.3
-10°	0.0	55.4	204.7	422.0	662.5	893.6	1152.5	1488.0	1911.6	2420.3	3069.9
-12.5°	0.0	55.0	202.1	416.3	654.1	883.5	1138.7	1466.6	1880.4	2377.7	3007.9
-15°	0.0	54.4	198.9	409.3	643.8	871.2	1121.8	1440.5	1842.4	2325.9	2932.5
-17.5°	0.0	53.7	195.2	401.1	631.7	856.7	1101.9	1409.8	1797.7	2265.0	2844.0
-20°	0.0	52.9	190.9	391.7	617.8	840.1	1079.1	1374.7	1746.4	2195.2	2742.6

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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	52.0	186.0	381.1	602.2	821.3	1053.5	1335.0	1688.7	2116.6	2628.5
-25°	0.0	51.0	180.6	369.3	584.8	800.5	1025.0	1291.1	1624.7	2029.6	2502.3
-27.5°	0.0	49.9	174.7	356.3	565.7	777.7	993.7	1242.9	1554.6	1939.8	2394.1
-30°	0.0	48.8	168.3	342.2	545.0	752.8	959.8	1190.6	1488.5	1853.6	2278.3
-32.5°	0.0	47.5	161.4	327.1	522.6	726.1	923.2	1144.5	1423.8	1760.9	2154.0
-35°	0.0	46.1	153.9	310.8	498.7	697.5	887.4	1098.7	1354.6	1662.0	2021.3
-37.5°	0.0	44.7	146.0	293.5	473.3	666.6	850.8	1050.0	1281.2	1557.0	1895.1
-40°	0.0	43.1	137.6	275.2	446.4	632.8	812.0	998.6	1203.7	1463.0	1771.5
-42.5°	0.0	41.5	128.8	256.0	419.3	597.3	771.3	944.5	1135.4	1371.1	1641.9
-45°	0.0	39.8	119.6	235.8	392.4	560.1	728.7	890.8	1070.6	1275.0	1510.6
-47.5°	0.0	38.0	109.9	214.7	364.2	521.3	684.2	838.8	1003.0	1175.5	1399.2
-50°	0.0	36.2	99.9	197.9	334.9	481.0	636.0	784.8	932.9	1096.6	1283.8
-52.5°	0.0	34.3	89.5	182.3	304.6	439.2	585.8	728.9	866.5	1014.9	1167.6
-55°	0.0	32.3	78.7	166.1	273.2	399.3	534.0	670.9	800.6	930.8	1074.1
-57.5°	0.0	30.2	67.6	149.5	240.9	359.0	480.7	608.7	732.8	852.3	978.1
-60°	0.0	28.1	56.2	132.4	208.2	317.5	426.4	544.8	662.5	774.2	883.5
-62.5°	0.0	26.0	51.9	114.8	184.8	275.0	375.5	479.4	587.9	694.3	794.9
-65°	0.0	23.8	47.5	96.9	160.9	231.5	323.4	414.5	511.8	609.6	704.6
-67.5°	0.0	21.5	43.0	78.5	136.5	194.2	270.4	352.7	434.2	522.6	609.6
-70°	0.0	19.3	38.5	59.9	111.7	163.2	216.4	289.9	362.5	434.2	511.8
-72.5°	0.0	16.9	33.8	50.7	86.5	131.7	176.6	226.2	289.9	352.7	414.5
-75°	0.0	14.6	29.1	43.6	61.0	99.9	138.4	176.6	216.4	270.4	323.4
-77.5°	0.0	12.2	24.3	36.5	48.5	67.6	99.9	131.7	163.2	194.2	231.5
-80°	0.0	9.8	19.5	29.2	38.9	48.5	61.0	86.5	111.7	136.5	160.9
-82.5°	0.0	7.3	14.7	22.0	29.2	36.5	43.6	50.7	59.9	78.5	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



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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°	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	109.9	119.6	128.8	137.6	146.0
82.5°	114.8	132.4	149.5	166.1	182.3	197.9	214.7	235.8	256.0	275.2	293.5
80°	184.8	208.2	240.9	273.2	304.6	334.9	364.2	392.4	419.3	446.4	473.3
77.5°	275.0	317.5	359.0	399.3	439.2	481.0	521.3	560.1	597.3	632.8	666.6
75°	375.5	426.4	480.7	534.0	585.8	636.0	684.2	728.7	771.3	812.0	850.8
72.5°	479.4	544.8	608.7	670.9	728.9	784.8	838.8	890.8	944.5	998.6	1050.0
70°	587.9	662.5	732.8	800.6	866.5	932.9	1003.0	1070.6	1135.4	1203.7	1281.2
67.5°	694.3	774.2	852.3	930.8	1014.9	1096.6	1175.5	1275.0	1371.1	1463.0	1557.0
65°	794.9	883.5	978.1	1074.1	1167.6	1283.8	1399.2	1510.6	1641.9	1771.5	1895.1
62.5°	894.0	1001.9	1109.8	1227.3	1362.3	1493.6	1645.8	1801.0	1950.5	2118.8	2282.7
60°	1001.9	1121.8	1258.8	1409.8	1565.3	1746.4	1922.1	2116.6	2312.8	2502.3	2734.8
57.5°	1109.8	1258.8	1425.7	1605.7	1807.3	2010.7	2239.2	2460.4	2725.6	2990.6	3254.2
55°	1227.3	1409.8	1605.7	1827.6	2059.9	2313.4	2578.4	2887.2	3186.2	3519.2	3838.2
52.5°	1362.3	1565.3	1807.3	2059.9	2338.2	2643.1	2985.0	3338.7	3711.1	4072.8	4427.5
50°	1493.6	1746.4	2010.7	2313.4	2643.1	3017.8	3415.5	3827.4	4234.0	4630.6	5002.0
47.5°	1645.8	1922.1	2239.2	2578.4	2985.0	3415.5	3866.3	4315.1	4753.7	5160.5	5550.3
45°	1801.0	2116.6	2460.4	2887.2	3338.7	3827.4	4315.1	4794.9	5240.4	5660.9	6028.7
42.5°	1950.5	2312.8	2725.6	3186.2	3711.1	4234.0	4753.7	5240.4	5696.9	6101.7	6471.2
40°	2118.8	2502.3	2990.6	3519.2	4072.8	4630.6	5160.5	5660.9	6101.7	6504.9	6879.1
37.5°	2282.7	2734.8	3254.2	3838.2	4427.5	5002.0	5550.3	6028.7	6471.2	6879.1	7238.0
35°	2438.3	2955.9	3534.3	4147.4	4766.0	5350.2	5883.7	6370.8	6810.6	7206.3	7573.2
32.5°	2611.3	3164.8	3799.5	4444.4	5074.5	5669.3	6198.2	6674.7	7111.9	7513.7	7878.1
30°	2789.7	3390.3	4051.1	4724.1	5364.2	5946.0	6474.0	6956.5	7390.2	7787.1	8144.2
27.5°	2955.9	3602.9	4291.1	4977.2	5628.8	6205.4	6726.4	7201.4	7637.6	8037.2	8383.3
25°	3109.4	3799.5	4513.3	5208.9	5851.6	6429.6	6955.2	7429.9	7863.6	8247.1	8583.5
22.5°	3260.9	3979.5	4716.9	5421.5	6056.3	6629.9	7150.8	7626.7	8060.7	8440.6	8763.4
20°	3408.2	4147.4	4896.6	5610.1	6242.0	6812.0	7328.9	7803.9	8226.2	8594.1	8915.4
17.5°	3539.4	4296.8	5053.7	5762.3	6394.7	6967.4	7486.4	7962.9	8375.2	8732.5	9046.7
15°	3653.9	4427.5	5191.2	5895.6	6526.1	7096.6	7615.5	8086.9	8496.3	8850.7	9162.7
12.5°	3751.5	4538.9	5308.5	6009.4	6638.4	7207.0	7726.1	8190.9	8593.5	8943.3	9248.6
10°	3831.8	4630.6	5405.1	6103.2	6731.0	7298.3	7817.6	8277.1	8674.1	9020.2	9320.1
7.5°	3894.5	4702.3	5480.6	6176.6	6803.6	7369.8	7889.4	8344.8	8737.5	9080.9	9376.5
5°	3939.4	4753.7	5534.8	6229.3	6855.7	7421.2	7941.0	8393.5	8783.1	9124.6	9417.3
2.5°	3966.5	4784.6	5567.4	6261.0	6887.0	7452.2	7972.1	8422.9	8810.7	9151.0	9442.0
0°	3975.5	4794.9	5578.3	6271.6	6897.5	7462.5	7982.5	8432.7	8819.9	9159.8	9450.2
-2.5°	3966.5	4784.6	5567.4	6261.0	6887.0	7452.2	7972.1	8422.9	8810.7	9151.0	9442.0
-5°	3939.4	4753.7	5534.8	6229.3	6855.7	7421.2	7941.0	8393.5	8783.1	9124.6	9417.3
-7.5°	3894.5	4702.3	5480.6	6176.6	6803.6	7369.8	7889.4	8344.8	8737.5	9080.9	9376.5
-10°	3831.8	4630.6	5405.1	6103.2	6731.0	7298.3	7817.6	8277.1	8674.1	9020.2	9320.1
-12.5°	3751.5	4538.9	5308.5	6009.4	6638.4	7207.0	7726.1	8190.9	8593.5	8943.3	9248.6
-15°	3653.9	4427.5	5191.2	5895.6	6526.1	7096.6	7615.5	8086.9	8496.3	8850.7	9162.7
-17.5°	3539.4	4296.8	5053.7	5762.3	6394.7	6967.4	7486.4	7962.9	8375.2	8732.5	9046.7
-20°	3408.2	4147.4	4896.6	5610.1	6242.0	6812.0	7328.9	7803.9	8226.2	8594.1	8915.4

Classified

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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-740-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°	3260.9	3979.5	4716.9	5421.5	6056.3	6629.9	7150.8	7626.7	8060.7	8440.6	8763.4
-25°	3109.4	3799.5	4513.3	5208.9	5851.6	6429.6	6955.2	7429.9	7863.6	8247.1	8583.5
-27.5°	2955.9	3602.9	4291.1	4977.2	5628.8	6205.4	6726.4	7201.4	7637.6	8037.2	8383.3
-30°	2789.7	3390.3	4051.1	4724.1	5364.2	5946.0	6474.0	6956.5	7390.2	7787.1	8144.2
-32.5°	2611.3	3164.8	3799.5	4444.4	5074.5	5669.3	6198.2	6674.7	7111.9	7513.7	7878.1
-35°	2438.3	2955.9	3534.3	4147.4	4766.0	5350.2	5883.7	6370.8	6810.6	7206.3	7573.2
-37.5°	2282.7	2734.8	3254.2	3838.2	4427.5	5002.0	5550.3	6028.7	6471.2	6879.1	7238.0
-40°	2118.8	2502.3	2990.6	3519.2	4072.8	4630.6	5160.5	5660.9	6101.7	6504.9	6879.1
-42.5°	1950.5	2312.8	2725.6	3186.2	3711.1	4234.0	4753.7	5240.4	5696.9	6101.7	6471.2
-45°	1801.0	2116.6	2460.4	2887.2	3338.7	3827.4	4315.1	4794.9	5240.4	5660.9	6028.7
-47.5°	1645.8	1922.1	2239.2	2578.4	2985.0	3415.5	3866.3	4315.1	4753.7	5160.5	5550.3
-50°	1493.6	1746.4	2010.7	2313.4	2643.1	3017.8	3415.5	3827.4	4234.0	4630.6	5002.0
-52.5°	1362.3	1565.3	1807.3	2059.9	2338.2	2643.1	2985.0	3338.7	3711.1	4072.8	4427.5
-55°	1227.3	1409.8	1605.7	1827.6	2059.9	2313.4	2578.4	2887.2	3186.2	3519.2	3838.2
-57.5°	1109.8	1258.8	1425.7	1605.7	1807.3	2010.7	2239.2	2460.4	2725.6	2990.6	3254.2
-60°	1001.9	1121.8	1258.8	1409.8	1565.3	1746.4	1922.1	2116.6	2312.8	2502.3	2734.8
-62.5°	894.0	1001.9	1109.8	1227.3	1362.3	1493.6	1645.8	1801.0	1950.5	2118.8	2282.7
-65°	794.9	883.5	978.1	1074.1	1167.6	1283.8	1399.2	1510.6	1641.9	1771.5	1895.1
-67.5°	694.3	774.2	852.3	930.8	1014.9	1096.6	1175.5	1275.0	1371.1	1463.0	1557.0
-70°	587.9	662.5	732.8	800.6	866.5	932.9	1003.0	1070.6	1135.4	1203.7	1281.2
-72.5°	479.4	544.8	608.7	670.9	728.9	784.8	838.8	890.8	944.5	998.6	1050.0
-75°	375.5	426.4	480.7	534.0	585.8	636.0	684.2	728.7	771.3	812.0	850.8
-77.5°	275.0	317.5	359.0	399.3	439.2	481.0	521.3	560.1	597.3	632.8	666.6
-80°	184.8	208.2	240.9	273.2	304.6	334.9	364.2	392.4	419.3	446.4	473.3
-82.5°	114.8	132.4	149.5	166.1	182.3	197.9	214.7	235.8	256.0	275.2	293.5
-85°	51.9	56.2	67.6	78.7	89.5	99.9	109.9	119.6	128.8	137.6	146.0
-87.5°	26.0	28.1	30.2	32.3	34.3	36.2	38.0	39.8	41.5	43.1	44.7
-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: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-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°	153.9	161.4	168.3	174.7	180.6	186.0	190.9	195.2	198.9	202.1	204.7
82.5°	310.8	327.1	342.2	356.3	369.3	381.1	391.7	401.1	409.3	416.3	422.0
80°	498.7	522.6	545.0	565.7	584.8	602.2	617.8	631.7	643.8	654.1	662.5
77.5°	697.5	726.1	752.8	777.7	800.5	821.3	840.1	856.7	871.2	883.5	893.6
75°	887.4	923.2	959.8	993.7	1025.0	1053.5	1079.1	1101.9	1121.8	1138.7	1152.5
72.5°	1098.7	1144.5	1190.6	1242.9	1291.1	1335.0	1374.7	1409.8	1440.5	1466.6	1488.0
70°	1354.6	1423.8	1488.5	1554.6	1624.7	1688.7	1746.4	1797.7	1842.4	1880.4	1911.6
67.5°	1662.0	1760.9	1853.6	1939.8	2029.6	2116.6	2195.2	2265.0	2325.9	2377.7	2420.3
65°	2021.3	2154.0	2278.3	2394.1	2502.3	2628.5	2742.6	2844.0	2932.5	3007.9	3069.9
62.5°	2438.3	2611.3	2789.7	2955.9	3109.4	3260.9	3408.2	3539.4	3653.9	3751.5	3831.8
60°	2955.9	3164.8	3390.3	3602.9	3799.5	3979.5	4147.4	4296.8	4427.5	4538.9	4630.6
57.5°	3534.3	3799.5	4051.1	4291.1	4513.3	4716.9	4896.6	5053.7	5191.2	5308.5	5405.1
55°	4147.4	4444.4	4724.1	4977.2	5208.9	5421.5	5610.1	5762.3	5895.6	6009.4	6103.2
52.5°	4766.0	5074.5	5364.2	5628.8	5851.6	6056.3	6242.0	6394.7	6526.1	6638.4	6731.0
50°	5350.2	5669.3	5946.0	6205.4	6429.6	6629.9	6812.0	6967.4	7096.6	7207.0	7298.3
47.5°	5883.7	6198.2	6474.0	6726.4	6955.2	7150.8	7328.9	7486.4	7615.5	7726.1	7817.6
45°	6370.8	6674.7	6956.5	7201.4	7429.9	7626.7	7803.9	7962.9	8086.9	8190.9	8277.1
42.5°	6810.6	7111.9	7390.2	7637.6	7863.6	8060.7	8226.2	8375.2	8496.3	8593.5	8674.1
40°	7206.3	7513.7	7787.1	8037.2	8247.1	8440.6	8594.1	8732.5	8850.7	8943.3	9020.2
37.5°	7573.2	7878.1	8144.2	8383.3	8583.5	8763.4	8915.4	9046.7	9162.7	9248.6	9320.1
35°	7908.7	8198.4	8461.6	8680.8	8879.3	9048.7	9198.3	9319.4	9427.1	9509.0	9574.3
32.5°	8198.4	8485.6	8730.0	8945.8	9139.6	9297.6	9441.2	9552.2	9649.9	9728.7	9789.3
30°	8461.6	8730.0	8968.1	9181.9	9358.4	9512.5	9641.7	9750.1	9840.4	9915.5	9968.8
27.5°	8680.8	8945.8	9181.9	9378.9	9547.9	9696.2	9814.5	9918.8	9997.6	10066.8	10112.6
25°	8879.3	9139.6	9358.4	9547.9	9712.0	9847.3	9959.9	10054.4	10124.3	10183.5	10217.6
22.5°	9048.7	9297.6	9512.5	9696.2	9847.3	9973.8	10079.9	10159.9	10217.1	10253.0	10273.2
20°	9198.3	9441.2	9641.7	9814.5	9959.9	10079.9	10172.0	10231.1	10271.0	10280.9	10286.7
17.5°	9319.4	9552.2	9750.1	9918.8	10054.4	10159.9	10231.1	10272.9	10284.9	10282.7	10276.8
15°	9427.1	9649.9	9840.4	9997.6	10124.3	10217.1	10271.0	10284.9	10281.3	10269.3	10250.7
12.5°	9509.0	9728.7	9915.5	10066.8	10183.5	10253.0	10280.9	10282.7	10269.3	10246.2	10219.9
10°	9574.3	9789.3	9968.8	10112.6	10217.6	10273.2	10286.7	10276.8	10250.7	10219.9	10190.7
7.5°	9625.9	9837.4	10011.2	10149.2	10240.0	10279.4	10282.3	10263.7	10232.5	10197.5	10165.9
5°	9663.2	9872.3	10042.1	10175.9	10256.3	10284.0	10279.1	10253.5	10217.3	10180.6	10151.7
2.5°	9685.8	9893.4	10060.8	10192.1	10266.3	10286.8	10277.1	10247.1	10207.7	10169.8	10142.4
0°	9693.4	9900.5	10067.1	10197.6	10269.7	10287.7	10276.4	10244.9	10204.4	10166.1	10139.1
-2.5°	9685.8	9893.4	10060.8	10192.1	10266.3	10286.8	10277.1	10247.1	10207.7	10169.8	10142.4
-5°	9663.2	9872.3	10042.1	10175.9	10256.3	10284.0	10279.1	10253.5	10217.3	10180.6	10151.7
-7.5°	9625.9	9837.4	10011.2	10149.2	10240.0	10279.4	10282.3	10263.7	10232.5	10197.5	10165.9
-10°	9574.3	9789.3	9968.8	10112.6	10217.6	10273.2	10286.7	10276.8	10250.7	10219.9	10190.7
-12.5°	9509.0	9728.7	9915.5	10066.8	10183.5	10253.0	10280.9	10282.7	10269.3	10246.2	10219.9
-15°	9427.1	9649.9	9840.4	9997.6	10124.3	10217.1	10271.0	10284.9	10281.3	10269.3	10250.7
-17.5°	9319.4	9552.2	9750.1	9918.8	10054.4	10159.9	10231.1	10272.9	10284.9	10282.7	10276.8
-20°	9198.3	9441.2	9641.7	9814.5	9959.9	10079.9	10172.0	10231.1	10271.0	10280.9	10286.7



REPORT NUMBER: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9048.7	9297.6	9512.5	9696.2	9847.3	9973.8	10079.9	10159.9	10217.1	10253.0	10273.2
-25°	8879.3	9139.6	9358.4	9547.9	9712.0	9847.3	9959.9	10054.4	10124.3	10183.5	10217.6
-27.5°	8680.8	8945.8	9181.9	9378.9	9547.9	9696.2	9814.5	9918.8	9997.6	10066.8	10112.6
-30°	8461.6	8730.0	8968.1	9181.9	9358.4	9512.5	9641.7	9750.1	9840.4	9915.5	9968.8
-32.5°	8198.4	8485.6	8730.0	8945.8	9139.6	9297.6	9441.2	9552.2	9649.9	9728.7	9789.3
-35°	7908.7	8198.4	8461.6	8680.8	8879.3	9048.7	9198.3	9319.4	9427.1	9509.0	9574.3
-37.5°	7573.2	7878.1	8144.2	8383.3	8583.5	8763.4	8915.4	9046.7	9162.7	9248.6	9320.1
-40°	7206.3	7513.7	7787.1	8037.2	8247.1	8440.6	8594.1	8732.5	8850.7	8943.3	9020.2
-42.5°	6810.6	7111.9	7390.2	7637.6	7863.6	8060.7	8226.2	8375.2	8496.3	8593.5	8674.1
-45°	6370.8	6674.7	6956.5	7201.4	7429.9	7626.7	7803.9	7962.9	8086.9	8190.9	8277.1
-47.5°	5883.7	6198.2	6474.0	6726.4	6955.2	7150.8	7328.9	7486.4	7615.5	7726.1	7817.6
-50°	5350.2	5669.3	5946.0	6205.4	6429.6	6629.9	6812.0	6967.4	7096.6	7207.0	7298.3
-52.5°	4766.0	5074.5	5364.2	5628.8	5851.6	6056.3	6242.0	6394.7	6526.1	6638.4	6731.0
-55°	4147.4	4444.4	4724.1	4977.2	5208.9	5421.5	5610.1	5762.3	5895.6	6009.4	6103.2
-57.5°	3534.3	3799.5	4051.1	4291.1	4513.3	4716.9	4896.6	5053.7	5191.2	5308.5	5405.1
-60°	2955.9	3164.8	3390.3	3602.9	3799.5	3979.5	4147.4	4296.8	4427.5	4538.9	4630.6
-62.5°	2438.3	2611.3	2789.7	2955.9	3109.4	3260.9	3408.2	3539.4	3653.9	3751.5	3831.8
-65°	2021.3	2154.0	2278.3	2394.1	2502.3	2628.5	2742.6	2844.0	2932.5	3007.9	3069.9
-67.5°	1662.0	1760.9	1853.6	1939.8	2029.6	2116.6	2195.2	2265.0	2325.9	2377.7	2420.3
-70°	1354.6	1423.8	1488.5	1554.6	1624.7	1688.7	1746.4	1797.7	1842.4	1880.4	1911.6
-72.5°	1098.7	1144.5	1190.6	1242.9	1291.1	1335.0	1374.7	1409.8	1440.5	1466.6	1488.0
-75°	887.4	923.2	959.8	993.7	1025.0	1053.5	1079.1	1101.9	1121.8	1138.7	1152.5
-77.5°	697.5	726.1	752.8	777.7	800.5	821.3	840.1	856.7	871.2	883.5	893.6
-80°	498.7	522.6	545.0	565.7	584.8	602.2	617.8	631.7	643.8	654.1	662.5
-82.5°	310.8	327.1	342.2	356.3	369.3	381.1	391.7	401.1	409.3	416.3	422.0
-85°	153.9	161.4	168.3	174.7	180.6	186.0	190.9	195.2	198.9	202.1	204.7
-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: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-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°	206.8	208.2	209.1	209.4	209.1	208.2	206.8	204.7	202.1	198.9	195.2
82.5°	426.4	429.6	431.6	432.2	431.6	429.6	426.4	422.0	416.3	409.3	401.1
80°	669.1	673.8	676.7	677.6	676.7	673.8	669.1	662.5	654.1	643.8	631.7
77.5°	901.5	907.2	910.6	911.7	910.6	907.2	901.5	893.6	883.5	871.2	856.7
75°	1163.4	1171.1	1175.7	1177.3	1175.7	1171.1	1163.4	1152.5	1138.7	1121.8	1101.9
72.5°	1504.7	1516.7	1523.9	1526.3	1523.9	1516.7	1504.7	1488.0	1466.6	1440.5	1409.8
70°	1936.0	1953.5	1964.0	1967.5	1964.0	1953.5	1936.0	1911.6	1880.4	1842.4	1797.7
67.5°	2453.6	2477.4	2491.7	2496.5	2491.7	2477.4	2453.6	2420.3	2377.7	2325.9	2265.0
65°	3118.3	3153.0	3173.8	3180.8	3173.8	3153.0	3118.3	3069.9	3007.9	2932.5	2844.0
62.5°	3894.5	3939.4	3966.5	3975.5	3966.5	3939.4	3894.5	3831.8	3751.5	3653.9	3539.4
60°	4702.3	4753.7	4784.6	4794.9	4784.6	4753.7	4702.3	4630.6	4538.9	4427.5	4296.8
57.5°	5480.6	5534.8	5567.4	5578.3	5567.4	5534.8	5480.6	5405.1	5308.5	5191.2	5053.7
55°	6176.6	6229.3	6261.0	6271.6	6261.0	6229.3	6176.6	6103.2	6009.4	5895.6	5762.3
52.5°	6803.6	6855.7	6887.0	6897.5	6887.0	6855.7	6803.6	6731.0	6638.4	6526.1	6394.7
50°	7369.8	7421.2	7452.2	7462.5	7452.2	7421.2	7369.8	7298.3	7207.0	7096.6	6967.4
47.5°	7889.4	7941.0	7972.1	7982.5	7972.1	7941.0	7889.4	7817.6	7726.1	7615.5	7486.4
45°	8344.8	8393.5	8422.9	8432.7	8422.9	8393.5	8344.8	8277.1	8190.9	8086.9	7962.9
42.5°	8737.5	8783.1	8810.7	8819.9	8810.7	8783.1	8737.5	8674.1	8593.5	8496.3	8375.2
40°	9080.9	9124.6	9151.0	9159.8	9151.0	9124.6	9080.9	9020.2	8943.3	8850.7	8732.5
37.5°	9376.5	9417.3	9442.0	9450.2	9442.0	9417.3	9376.5	9320.1	9248.6	9162.7	9046.7
35°	9625.9	9663.2	9685.8	9693.4	9685.8	9663.2	9625.9	9574.3	9509.0	9427.1	9319.4
32.5°	9837.4	9872.3	9893.4	9900.5	9893.4	9872.3	9837.4	9789.3	9728.7	9649.9	9552.2
30°	10011.2	10042.1	10060.8	10067.1	10060.8	10042.1	10011.2	9968.8	9915.5	9840.4	9750.1
27.5°	10149.2	10175.9	10192.1	10197.6	10192.1	10175.9	10149.2	10112.6	10066.8	9997.6	9918.8
25°	10240.0	10256.3	10266.3	10269.7	10266.3	10256.3	10240.0	10217.6	10183.5	10124.3	10054.4
22.5°	10279.4	10284.0	10286.8	10287.7	10286.8	10284.0	10279.4	10273.2	10253.0	10217.1	10159.9
20°	10282.3	10279.1	10277.1	10276.4	10277.1	10279.1	10282.3	10286.7	10280.9	10271.0	10231.1
17.5°	10263.7	10253.5	10247.1	10244.9	10247.1	10253.5	10263.7	10276.8	10282.7	10284.9	10272.9
15°	10232.5	10217.3	10207.7	10204.4	10207.7	10217.3	10232.5	10250.7	10269.3	10281.3	10284.9
12.5°	10197.5	10180.6	10169.8	10166.1	10169.8	10180.6	10197.5	10219.9	10246.2	10269.3	10282.7
10°	10165.9	10151.7	10142.4	10139.1	10142.4	10151.7	10165.9	10190.7	10219.9	10250.7	10276.8
7.5°	10145.5	10132.8	10125.8	10123.3	10125.8	10132.8	10145.5	10165.9	10197.5	10232.5	10263.7
5°	10132.8	10120.2	10109.5	10105.3	10109.5	10120.2	10132.8	10151.7	10180.6	10217.3	10253.5
2.5°	10125.8	10109.5	10093.5	10085.1	10093.5	10109.5	10125.8	10142.4	10169.8	10207.7	10247.1
0°	10123.3	10105.3	10085.1	10087.3	10085.1	10105.3	10123.3	10139.1	10166.1	10204.4	10244.9
-2.5°	10125.8	10109.5	10093.5	10085.1	10093.5	10109.5	10125.8	10142.4	10169.8	10207.7	10247.1
-5°	10132.8	10120.2	10109.5	10105.3	10109.5	10120.2	10132.8	10151.7	10180.6	10217.3	10253.5
-7.5°	10145.5	10132.8	10125.8	10123.3	10125.8	10132.8	10145.5	10165.9	10197.5	10232.5	10263.7
-10°	10165.9	10151.7	10142.4	10139.1	10142.4	10151.7	10165.9	10190.7	10219.9	10250.7	10276.8
-12.5°	10197.5	10180.6	10169.8	10166.1	10169.8	10180.6	10197.5	10219.9	10246.2	10269.3	10282.7
-15°	10232.5	10217.3	10207.7	10204.4	10207.7	10217.3	10232.5	10250.7	10269.3	10281.3	10284.9
-17.5°	10263.7	10253.5	10247.1	10244.9	10247.1	10253.5	10263.7	10276.8	10282.7	10284.9	10272.9
-20°	10282.3	10279.1	10277.1	10276.4	10277.1	10279.1	10282.3	10286.7	10280.9	10271.0	10231.1



REPORT NUMBER: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-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°	10279.4	10284.0	10286.8	10287.7	10286.8	10284.0	10279.4	10273.2	10253.0	10217.1	10159.9
-25°	10240.0	10256.3	10266.3	10269.7	10266.3	10256.3	10240.0	10217.6	10183.5	10124.3	10054.4
-27.5°	10149.2	10175.9	10192.1	10197.6	10192.1	10175.9	10149.2	10112.6	10066.8	9997.6	9918.8
-30°	10011.2	10042.1	10060.8	10067.1	10060.8	10042.1	10011.2	9968.8	9915.5	9840.4	9750.1
-32.5°	9837.4	9872.3	9893.4	9900.5	9893.4	9872.3	9837.4	9789.3	9728.7	9649.9	9552.2
-35°	9625.9	9663.2	9685.8	9693.4	9685.8	9663.2	9625.9	9574.3	9509.0	9427.1	9319.4
-37.5°	9376.5	9417.3	9442.0	9450.2	9442.0	9417.3	9376.5	9320.1	9248.6	9162.7	9046.7
-40°	9080.9	9124.6	9151.0	9159.8	9151.0	9124.6	9080.9	9020.2	8943.3	8850.7	8732.5
-42.5°	8737.5	8783.1	8810.7	8819.9	8810.7	8783.1	8737.5	8674.1	8593.5	8496.3	8375.2
-45°	8344.8	8393.5	8422.9	8432.7	8422.9	8393.5	8344.8	8277.1	8190.9	8086.9	7962.9
-47.5°	7889.4	7941.0	7972.1	7982.5	7972.1	7941.0	7889.4	7817.6	7726.1	7615.5	7486.4
-50°	7369.8	7421.2	7452.2	7462.5	7452.2	7421.2	7369.8	7298.3	7207.0	7096.6	6967.4
-52.5°	6803.6	6855.7	6887.0	6897.5	6887.0	6855.7	6803.6	6731.0	6638.4	6526.1	6394.7
-55°	6176.6	6229.3	6261.0	6271.6	6261.0	6229.3	6176.6	6103.2	6009.4	5895.6	5762.3
-57.5°	5480.6	5534.8	5567.4	5578.3	5567.4	5534.8	5480.6	5405.1	5308.5	5191.2	5053.7
-60°	4702.3	4753.7	4784.6	4794.9	4784.6	4753.7	4702.3	4630.6	4538.9	4427.5	4296.8
-62.5°	3894.5	3939.4	3966.5	3975.5	3966.5	3939.4	3894.5	3831.8	3751.5	3653.9	3539.4
-65°	3118.3	3153.0	3173.8	3180.8	3173.8	3153.0	3118.3	3069.9	3007.9	2932.5	2844.0
-67.5°	2453.6	2477.4	2491.7	2496.5	2491.7	2477.4	2453.6	2420.3	2377.7	2325.9	2265.0
-70°	1936.0	1953.5	1964.0	1967.5	1964.0	1953.5	1936.0	1911.6	1880.4	1842.4	1797.7
-72.5°	1504.7	1516.7	1523.9	1526.3	1523.9	1516.7	1504.7	1488.0	1466.6	1440.5	1409.8
-75°	1163.4	1171.1	1175.7	1177.3	1175.7	1171.1	1163.4	1152.5	1138.7	1121.8	1101.9
-77.5°	901.5	907.2	910.6	911.7	910.6	907.2	901.5	893.6	883.5	871.2	856.7
-80°	669.1	673.8	676.7	677.6	676.7	673.8	669.1	662.5	654.1	643.8	631.7
-82.5°	426.4	429.6	431.6	432.2	431.6	429.6	426.4	422.0	416.3	409.3	401.1
-85°	206.8	208.2	209.1	209.4	209.1	208.2	206.8	204.7	202.1	198.9	195.2
-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: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-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°	190.9	186.0	180.6	174.7	168.3	161.4	153.9	146.0	137.6	128.8	119.6
82.5°	391.7	381.1	369.3	356.3	342.2	327.1	310.8	293.5	275.2	256.0	235.8
80°	617.8	602.2	584.8	565.7	545.0	522.6	498.7	473.3	446.4	419.3	392.4
77.5°	840.1	821.3	800.5	777.7	752.8	726.1	697.5	666.6	632.8	597.3	560.1
75°	1079.1	1053.5	1025.0	993.7	959.8	923.2	887.4	850.8	812.0	771.3	728.7
72.5°	1374.7	1335.0	1291.1	1242.9	1190.6	1144.5	1098.7	1050.0	998.6	944.5	890.8
70°	1746.4	1688.7	1624.7	1554.6	1488.5	1423.8	1354.6	1281.2	1203.7	1135.4	1070.6
67.5°	2195.2	2116.6	2029.6	1939.8	1853.6	1760.9	1662.0	1557.0	1463.0	1371.1	1275.0
65°	2742.6	2628.5	2502.3	2394.1	2278.3	2154.0	2021.3	1895.1	1771.5	1641.9	1510.6
62.5°	3408.2	3260.9	3109.4	2955.9	2789.7	2611.3	2438.3	2282.7	2118.8	1950.5	1801.0
60°	4147.4	3979.5	3799.5	3602.9	3390.3	3164.8	2955.9	2734.8	2502.3	2312.8	2116.6
57.5°	4896.6	4716.9	4513.3	4291.1	4051.1	3799.5	3534.3	3254.2	2990.6	2725.6	2460.4
55°	5610.1	5421.5	5208.9	4977.2	4724.1	4444.4	4147.4	3838.2	3519.2	3186.2	2887.2
52.5°	6242.0	6056.3	5851.6	5628.8	5364.2	5074.5	4766.0	4427.5	4072.8	3711.1	3338.7
50°	6812.0	6629.9	6429.6	6205.4	5946.0	5669.3	5350.2	5002.0	4630.6	4234.0	3827.4
47.5°	7328.9	7150.8	6955.2	6726.4	6474.0	6198.2	5883.7	5550.3	5160.5	4753.7	4315.1
45°	7803.9	7626.7	7429.9	7201.4	6956.5	6674.7	6370.8	6028.7	5660.9	5240.4	4794.9
42.5°	8226.2	8060.7	7863.6	7637.6	7390.2	7111.9	6810.6	6471.2	6101.7	5696.9	5240.4
40°	8594.1	8440.6	8247.1	8037.2	7787.1	7513.7	7206.3	6879.1	6504.9	6101.7	5660.9
37.5°	8915.4	8763.4	8583.5	8383.3	8144.2	7878.1	7573.2	7238.0	6879.1	6471.2	6028.7
35°	9198.3	9048.7	8879.3	8680.8	8461.6	8198.4	7908.7	7573.2	7206.3	6810.6	6370.8
32.5°	9441.2	9297.6	9139.6	8945.8	8730.0	8485.6	8198.4	7878.1	7513.7	7111.9	6674.7
30°	9641.7	9512.5	9358.4	9181.9	8968.1	8730.0	8461.6	8144.2	7787.1	7390.2	6956.5
27.5°	9814.5	9696.2	9547.9	9378.9	9181.9	8945.8	8680.8	8383.3	8037.2	7637.6	7201.4
25°	9959.9	9847.3	9712.0	9547.9	9358.4	9139.6	8879.3	8583.5	8247.1	7863.6	7429.9
22.5°	10079.9	9973.8	9847.3	9696.2	9512.5	9297.6	9048.7	8763.4	8440.6	8060.7	7626.7
20°	10172.0	10079.9	9959.9	9814.5	9641.7	9441.2	9198.3	8915.4	8594.1	8226.2	7803.9
17.5°	10231.1	10159.9	10054.4	9918.8	9750.1	9552.2	9319.4	9046.7	8732.5	8375.2	7962.9
15°	10271.0	10217.1	10124.3	9997.6	9840.4	9649.9	9427.1	9162.7	8850.7	8496.3	8086.9
12.5°	10280.9	10253.0	10183.5	10066.8	9915.5	9728.7	9509.0	9248.6	8943.3	8593.5	8190.9
10°	10286.7	10273.2	10217.6	10112.6	9968.8	9789.3	9574.3	9320.1	9020.2	8674.1	8277.1
7.5°	10282.3	10279.4	10240.0	10149.2	10011.2	9837.4	9625.9	9376.5	9080.9	8737.5	8344.8
5°	10279.1	10284.0	10256.3	10175.9	10042.1	9872.3	9663.2	9417.3	9124.6	8783.1	8393.5
2.5°	10277.1	10286.8	10266.3	10192.1	10060.8	9893.4	9685.8	9442.0	9151.0	8810.7	8422.9
0°	10276.4	10287.7	10269.7	10197.6	10067.1	9900.5	9693.4	9450.2	9159.8	8819.9	8432.7
-2.5°	10277.1	10286.8	10266.3	10192.1	10060.8	9893.4	9685.8	9442.0	9151.0	8810.7	8422.9
-5°	10279.1	10284.0	10256.3	10175.9	10042.1	9872.3	9663.2	9417.3	9124.6	8783.1	8393.5
-7.5°	10282.3	10279.4	10240.0	10149.2	10011.2	9837.4	9625.9	9376.5	9080.9	8737.5	8344.8
-10°	10286.7	10273.2	10217.6	10112.6	9968.8	9789.3	9574.3	9320.1	9020.2	8674.1	8277.1
-12.5°	10280.9	10253.0	10183.5	10066.8	9915.5	9728.7	9509.0	9248.6	8943.3	8593.5	8190.9
-15°	10271.0	10217.1	10124.3	9997.6	9840.4	9649.9	9427.1	9162.7	8850.7	8496.3	8086.9
-17.5°	10231.1	10159.9	10054.4	9918.8	9750.1	9552.2	9319.4	9046.7	8732.5	8375.2	7962.9
-20°	10172.0	10079.9	9959.9	9814.5	9641.7	9441.2	9198.3	8915.4	8594.1	8226.2	7803.9



REPORT NUMBER: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10079.9	9973.8	9847.3	9696.2	9512.5	9297.6	9048.7	8763.4	8440.6	8060.7	7626.7
-25°	9959.9	9847.3	9712.0	9547.9	9358.4	9139.6	8879.3	8583.5	8247.1	7863.6	7429.9
-27.5°	9814.5	9696.2	9547.9	9378.9	9181.9	8945.8	8680.8	8383.3	8037.2	7637.6	7201.4
-30°	9641.7	9512.5	9358.4	9181.9	8968.1	8730.0	8461.6	8144.2	7787.1	7390.2	6956.5
-32.5°	9441.2	9297.6	9139.6	8945.8	8730.0	8485.6	8198.4	7878.1	7513.7	7111.9	6674.7
-35°	9198.3	9048.7	8879.3	8680.8	8461.6	8198.4	7908.7	7573.2	7206.3	6810.6	6370.8
-37.5°	8915.4	8763.4	8583.5	8383.3	8144.2	7878.1	7573.2	7238.0	6879.1	6471.2	6028.7
-40°	8594.1	8440.6	8247.1	8037.2	7787.1	7513.7	7206.3	6879.1	6504.9	6101.7	5660.9
-42.5°	8226.2	8060.7	7863.6	7637.6	7390.2	7111.9	6810.6	6471.2	6101.7	5696.9	5240.4
-45°	7803.9	7626.7	7429.9	7201.4	6956.5	6674.7	6370.8	6028.7	5660.9	5240.4	4794.9
-47.5°	7328.9	7150.8	6955.2	6726.4	6474.0	6198.2	5883.7	5550.3	5160.5	4753.7	4315.1
-50°	6812.0	6629.9	6429.6	6205.4	5946.0	5669.3	5350.2	5002.0	4630.6	4234.0	3827.4
-52.5°	6242.0	6056.3	5851.6	5628.8	5364.2	5074.5	4766.0	4427.5	4072.8	3711.1	3338.7
-55°	5610.1	5421.5	5208.9	4977.2	4724.1	4444.4	4147.4	3838.2	3519.2	3186.2	2887.2
-57.5°	4896.6	4716.9	4513.3	4291.1	4051.1	3799.5	3534.3	3254.2	2990.6	2725.6	2460.4
-60°	4147.4	3979.5	3799.5	3602.9	3390.3	3164.8	2955.9	2734.8	2502.3	2312.8	2116.6
-62.5°	3408.2	3260.9	3109.4	2955.9	2789.7	2611.3	2438.3	2282.7	2118.8	1950.5	1801.0
-65°	2742.6	2628.5	2502.3	2394.1	2278.3	2154.0	2021.3	1895.1	1771.5	1641.9	1510.6
-67.5°	2195.2	2116.6	2029.6	1939.8	1853.6	1760.9	1662.0	1557.0	1463.0	1371.1	1275.0
-70°	1746.4	1688.7	1624.7	1554.6	1488.5	1423.8	1354.6	1281.2	1203.7	1135.4	1070.6
-72.5°	1374.7	1335.0	1291.1	1242.9	1190.6	1144.5	1098.7	1050.0	998.6	944.5	890.8
-75°	1079.1	1053.5	1025.0	993.7	959.8	923.2	887.4	850.8	812.0	771.3	728.7
-77.5°	840.1	821.3	800.5	777.7	752.8	726.1	697.5	666.6	632.8	597.3	560.1
-80°	617.8	602.2	584.8	565.7	545.0	522.6	498.7	473.3	446.4	419.3	392.4
-82.5°	391.7	381.1	369.3	356.3	342.2	327.1	310.8	293.5	275.2	256.0	235.8
-85°	190.9	186.0	180.6	174.7	168.3	161.4	153.9	146.0	137.6	128.8	119.6
-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: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-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°	109.9	99.9	89.5	78.7	67.6	56.2	51.9	47.5	43.0	38.5	33.8
82.5°	214.7	197.9	182.3	166.1	149.5	132.4	114.8	96.9	78.5	59.9	50.7
80°	364.2	334.9	304.6	273.2	240.9	208.2	184.8	160.9	136.5	111.7	86.5
77.5°	521.3	481.0	439.2	399.3	359.0	317.5	275.0	231.5	194.2	163.2	131.7
75°	684.2	636.0	585.8	534.0	480.7	426.4	375.5	323.4	270.4	216.4	176.6
72.5°	838.8	784.8	728.9	670.9	608.7	544.8	479.4	414.5	352.7	289.9	226.2
70°	1003.0	932.9	866.5	800.6	732.8	662.5	587.9	511.8	434.2	362.5	289.9
67.5°	1175.5	1096.6	1014.9	930.8	852.3	774.2	694.3	609.6	522.6	434.2	352.7
65°	1399.2	1283.8	1167.6	1074.1	978.1	883.5	794.9	704.6	609.6	511.8	414.5
62.5°	1645.8	1493.6	1362.3	1227.3	1109.8	1001.9	894.0	794.9	694.3	587.9	479.4
60°	1922.1	1746.4	1565.3	1409.8	1258.8	1121.8	1001.9	883.5	774.2	662.5	544.8
57.5°	2239.2	2010.7	1807.3	1605.7	1425.7	1258.8	1109.8	978.1	852.3	732.8	608.7
55°	2578.4	2313.4	2059.9	1827.6	1605.7	1409.8	1227.3	1074.1	930.8	800.6	670.9
52.5°	2985.0	2643.1	2338.2	2059.9	1807.3	1565.3	1362.3	1167.6	1014.9	866.5	728.9
50°	3415.5	3017.8	2643.1	2313.4	2010.7	1746.4	1493.6	1283.8	1096.6	932.9	784.8
47.5°	3866.3	3415.5	2985.0	2578.4	2239.2	1922.1	1645.8	1399.2	1175.5	1003.0	838.8
45°	4315.1	3827.4	3338.7	2887.2	2460.4	2116.6	1801.0	1510.6	1275.0	1070.6	890.8
42.5°	4753.7	4234.0	3711.1	3186.2	2725.6	2312.8	1950.5	1641.9	1371.1	1135.4	944.5
40°	5160.5	4630.6	4072.8	3519.2	2990.6	2502.3	2118.8	1771.5	1463.0	1203.7	998.6
37.5°	5550.3	5002.0	4427.5	3838.2	3254.2	2734.8	2282.7	1895.1	1557.0	1281.2	1050.0
35°	5883.7	5350.2	4766.0	4147.4	3534.3	2955.9	2438.3	2021.3	1662.0	1354.6	1098.7
32.5°	6198.2	5669.3	5074.5	4444.4	3799.5	3164.8	2611.3	2154.0	1760.9	1423.8	1144.5
30°	6474.0	5946.0	5364.2	4724.1	4051.1	3390.3	2789.7	2278.3	1853.6	1488.5	1190.6
27.5°	6726.4	6205.4	5628.8	4977.2	4291.1	3602.9	2955.9	2394.1	1939.8	1554.6	1242.9
25°	6955.2	6429.6	5851.6	5208.9	4513.3	3799.5	3109.4	2502.3	2029.6	1624.7	1291.1
22.5°	7150.8	6629.9	6056.3	5421.5	4716.9	3979.5	3260.9	2628.5	2116.6	1688.7	1335.0
20°	7328.9	6812.0	6242.0	5610.1	4896.6	4147.4	3408.2	2742.6	2195.2	1746.4	1374.7
17.5°	7486.4	6967.4	6394.7	5762.3	5053.7	4296.8	3539.4	2844.0	2265.0	1797.7	1409.8
15°	7615.5	7096.6	6526.1	5895.6	5191.2	4427.5	3653.9	2932.5	2325.9	1842.4	1440.5
12.5°	7726.1	7207.0	6638.4	6009.4	5308.5	4538.9	3751.5	3007.9	2377.7	1880.4	1466.6
10°	7817.6	7298.3	6731.0	6103.2	5405.1	4630.6	3831.8	3069.9	2420.3	1911.6	1488.0
7.5°	7889.4	7369.8	6803.6	6176.6	5480.6	4702.3	3894.5	3118.3	2453.6	1936.0	1504.7
5°	7941.0	7421.2	6855.7	6229.3	5534.8	4753.7	3939.4	3153.0	2477.4	1953.5	1516.7
2.5°	7972.1	7452.2	6887.0	6261.0	5567.4	4784.6	3966.5	3173.8	2491.7	1964.0	1523.9
0°	7982.5	7462.5	6897.5	6271.6	5578.3	4794.9	3975.5	3180.8	2496.5	1967.5	1526.3
-2.5°	7972.1	7452.2	6887.0	6261.0	5567.4	4784.6	3966.5	3173.8	2491.7	1964.0	1523.9
-5°	7941.0	7421.2	6855.7	6229.3	5534.8	4753.7	3939.4	3153.0	2477.4	1953.5	1516.7
-7.5°	7889.4	7369.8	6803.6	6176.6	5480.6	4702.3	3894.5	3118.3	2453.6	1936.0	1504.7
-10°	7817.6	7298.3	6731.0	6103.2	5405.1	4630.6	3831.8	3069.9	2420.3	1911.6	1488.0
-12.5°	7726.1	7207.0	6638.4	6009.4	5308.5	4538.9	3751.5	3007.9	2377.7	1880.4	1466.6
-15°	7615.5	7096.6	6526.1	5895.6	5191.2	4427.5	3653.9	2932.5	2325.9	1842.4	1440.5
-17.5°	7486.4	6967.4	6394.7	5762.3	5053.7	4296.8	3539.4	2844.0	2265.0	1797.7	1409.8
-20°	7328.9	6812.0	6242.0	5610.1	4896.6	4147.4	3408.2	2742.6	2195.2	1746.4	1374.7

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Scaled Data Report



REPORT NUMBER: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	7150.8	6629.9	6056.3	5421.5	4716.9	3979.5	3260.9	2628.5	2116.6	1688.7	1335.0
-25°	6955.2	6429.6	5851.6	5208.9	4513.3	3799.5	3109.4	2502.3	2029.6	1624.7	1291.1
-27.5°	6726.4	6205.4	5628.8	4977.2	4291.1	3602.9	2955.9	2394.1	1939.8	1554.6	1242.9
-30°	6474.0	5946.0	5364.2	4724.1	4051.1	3390.3	2789.7	2278.3	1853.6	1488.5	1190.6
-32.5°	6198.2	5669.3	5074.5	4444.4	3799.5	3164.8	2611.3	2154.0	1760.9	1423.8	1144.5
-35°	5883.7	5350.2	4766.0	4147.4	3534.3	2955.9	2438.3	2021.3	1662.0	1354.6	1098.7
-37.5°	5550.3	5002.0	4427.5	3838.2	3254.2	2734.8	2282.7	1895.1	1557.0	1281.2	1050.0
-40°	5160.5	4630.6	4072.8	3519.2	2990.6	2502.3	2118.8	1771.5	1463.0	1203.7	998.6
-42.5°	4753.7	4234.0	3711.1	3186.2	2725.6	2312.8	1950.5	1641.9	1371.1	1135.4	944.5
-45°	4315.1	3827.4	3338.7	2887.2	2460.4	2116.6	1801.0	1510.6	1275.0	1070.6	890.8
-47.5°	3866.3	3415.5	2985.0	2578.4	2239.2	1922.1	1645.8	1399.2	1175.5	1003.0	838.8
-50°	3415.5	3017.8	2643.1	2313.4	2010.7	1746.4	1493.6	1283.8	1096.6	932.9	784.8
-52.5°	2985.0	2643.1	2338.2	2059.9	1807.3	1565.3	1362.3	1167.6	1014.9	866.5	728.9
-55°	2578.4	2313.4	2059.9	1827.6	1605.7	1409.8	1227.3	1074.1	930.8	800.6	670.9
-57.5°	2239.2	2010.7	1807.3	1605.7	1425.7	1258.8	1109.8	978.1	852.3	732.8	608.7
-60°	1922.1	1746.4	1565.3	1409.8	1258.8	1121.8	1001.9	883.5	774.2	662.5	544.8
-62.5°	1645.8	1493.6	1362.3	1227.3	1109.8	1001.9	894.0	794.9	694.3	587.9	479.4
-65°	1399.2	1283.8	1167.6	1074.1	978.1	883.5	794.9	704.6	609.6	511.8	414.5
-67.5°	1175.5	1096.6	1014.9	930.8	852.3	774.2	694.3	609.6	522.6	434.2	352.7
-70°	1003.0	932.9	866.5	800.6	732.8	662.5	587.9	511.8	434.2	362.5	289.9
-72.5°	838.8	784.8	728.9	670.9	608.7	544.8	479.4	414.5	352.7	289.9	226.2
-75°	684.2	636.0	585.8	534.0	480.7	426.4	375.5	323.4	270.4	216.4	176.6
-77.5°	521.3	481.0	439.2	399.3	359.0	317.5	275.0	231.5	194.2	163.2	131.7
-80°	364.2	334.9	304.6	273.2	240.9	208.2	184.8	160.9	136.5	111.7	86.5
-82.5°	214.7	197.9	182.3	166.1	149.5	132.4	114.8	96.9	78.5	59.9	50.7
-85°	109.9	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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REPORT NUMBER: P645484 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-740-U-LAM-XX

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°	138.4	99.9	61.0	43.6	29.1	14.6	0.0
72.5°	176.6	131.7	86.5	50.7	33.8	16.9	0.0
70°	216.4	163.2	111.7	59.9	38.5	19.3	0.0
67.5°	270.4	194.2	136.5	78.5	43.0	21.5	0.0
65°	323.4	231.5	160.9	96.9	47.5	23.8	0.0
62.5°	375.5	275.0	184.8	114.8	51.9	26.0	0.0
60°	426.4	317.5	208.2	132.4	56.2	28.1	0.0
57.5°	480.7	359.0	240.9	149.5	67.6	30.2	0.0
55°	534.0	399.3	273.2	166.1	78.7	32.3	0.0
52.5°	585.8	439.2	304.6	182.3	89.5	34.3	0.0
50°	636.0	481.0	334.9	197.9	99.9	36.2	0.0
47.5°	684.2	521.3	364.2	214.7	109.9	38.0	0.0
45°	728.7	560.1	392.4	235.8	119.6	39.8	0.0
42.5°	771.3	597.3	419.3	256.0	128.8	41.5	0.0
40°	812.0	632.8	446.4	275.2	137.6	43.1	0.0
37.5°	850.8	666.6	473.3	293.5	146.0	44.7	0.0
35°	887.4	697.5	498.7	310.8	153.9	46.1	0.0
32.5°	923.2	726.1	522.6	327.1	161.4	47.5	0.0
30°	959.8	752.8	545.0	342.2	168.3	48.8	0.0
27.5°	993.7	777.7	565.7	356.3	174.7	49.9	0.0
25°	1025.0	800.5	584.8	369.3	180.6	51.0	0.0
22.5°	1053.5	821.3	602.2	381.1	186.0	52.0	0.0
20°	1079.1	840.1	617.8	391.7	190.9	52.9	0.0
17.5°	1101.9	856.7	631.7	401.1	195.2	53.7	0.0
15°	1121.8	871.2	643.8	409.3	198.9	54.4	0.0
12.5°	1138.7	883.5	654.1	416.3	202.1	55.0	0.0
10°	1152.5	893.6	662.5	422.0	204.7	55.4	0.0
7.5°	1163.4	901.5	669.1	426.4	206.8	55.8	0.0
5°	1171.1	907.2	673.8	429.6	208.2	56.1	0.0
2.5°	1175.7	910.6	676.7	431.6	209.1	56.2	0.0
0°	1177.3	911.7	677.6	432.2	209.4	56.3	0.0
-2.5°	1175.7	910.6	676.7	431.6	209.1	56.2	0.0
-5°	1171.1	907.2	673.8	429.6	208.2	56.1	0.0
-7.5°	1163.4	901.5	669.1	426.4	206.8	55.8	0.0
-10°	1152.5	893.6	662.5	422.0	204.7	55.4	0.0
-12.5°	1138.7	883.5	654.1	416.3	202.1	55.0	0.0
-15°	1121.8	871.2	643.8	409.3	198.9	54.4	0.0
-17.5°	1101.9	856.7	631.7	401.1	195.2	53.7	0.0
-20°	1079.1	840.1	617.8	391.7	190.9	52.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1053.5	821.3	602.2	381.1	186.0	52.0	0.0
-25°	1025.0	800.5	584.8	369.3	180.6	51.0	0.0
-27.5°	993.7	777.7	565.7	356.3	174.7	49.9	0.0
-30°	959.8	752.8	545.0	342.2	168.3	48.8	0.0
-32.5°	923.2	726.1	522.6	327.1	161.4	47.5	0.0
-35°	887.4	697.5	498.7	310.8	153.9	46.1	0.0
-37.5°	850.8	666.6	473.3	293.5	146.0	44.7	0.0
-40°	812.0	632.8	446.4	275.2	137.6	43.1	0.0
-42.5°	771.3	597.3	419.3	256.0	128.8	41.5	0.0
-45°	728.7	560.1	392.4	235.8	119.6	39.8	0.0
-47.5°	684.2	521.3	364.2	214.7	109.9	38.0	0.0
-50°	636.0	481.0	334.9	197.9	99.9	36.2	0.0
-52.5°	585.8	439.2	304.6	182.3	89.5	34.3	0.0
-55°	534.0	399.3	273.2	166.1	78.7	32.3	0.0
-57.5°	480.7	359.0	240.9	149.5	67.6	30.2	0.0
-60°	426.4	317.5	208.2	132.4	56.2	28.1	0.0
-62.5°	375.5	275.0	184.8	114.8	51.9	26.0	0.0
-65°	323.4	231.5	160.9	96.9	47.5	23.8	0.0
-67.5°	270.4	194.2	136.5	78.5	43.0	21.5	0.0
-70°	216.4	163.2	111.7	59.9	38.5	19.3	0.0
-72.5°	176.6	131.7	86.5	50.7	33.8	16.9	0.0
-75°	138.4	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)