

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: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5D-750-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645534 (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-SA5D-750-U-LAM-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

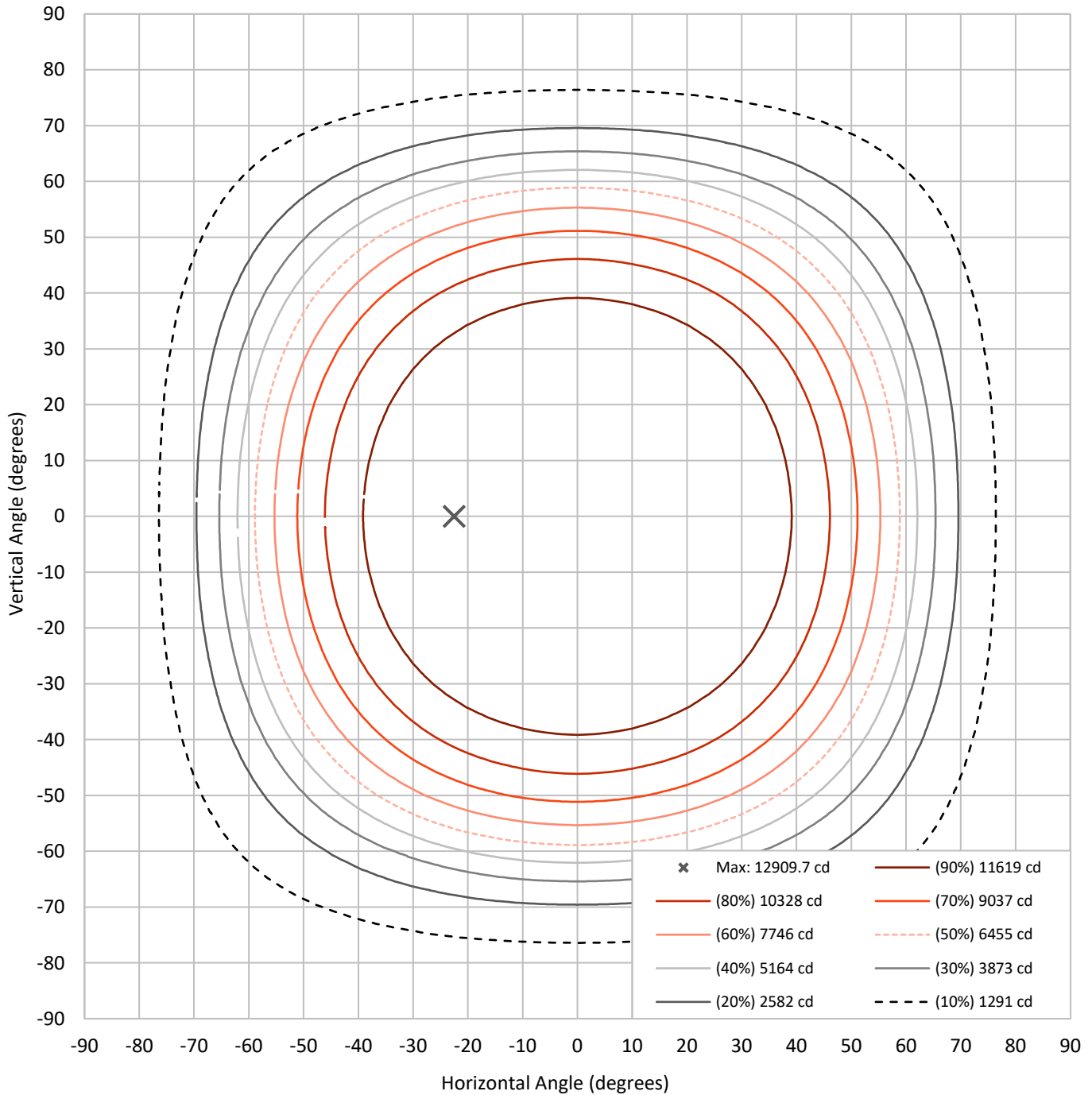
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	39491.4 lumens	Max Intensity:	12909.7 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	145.6 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:	32865.5 lumens	Field Lumens:	38714.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	271.3		
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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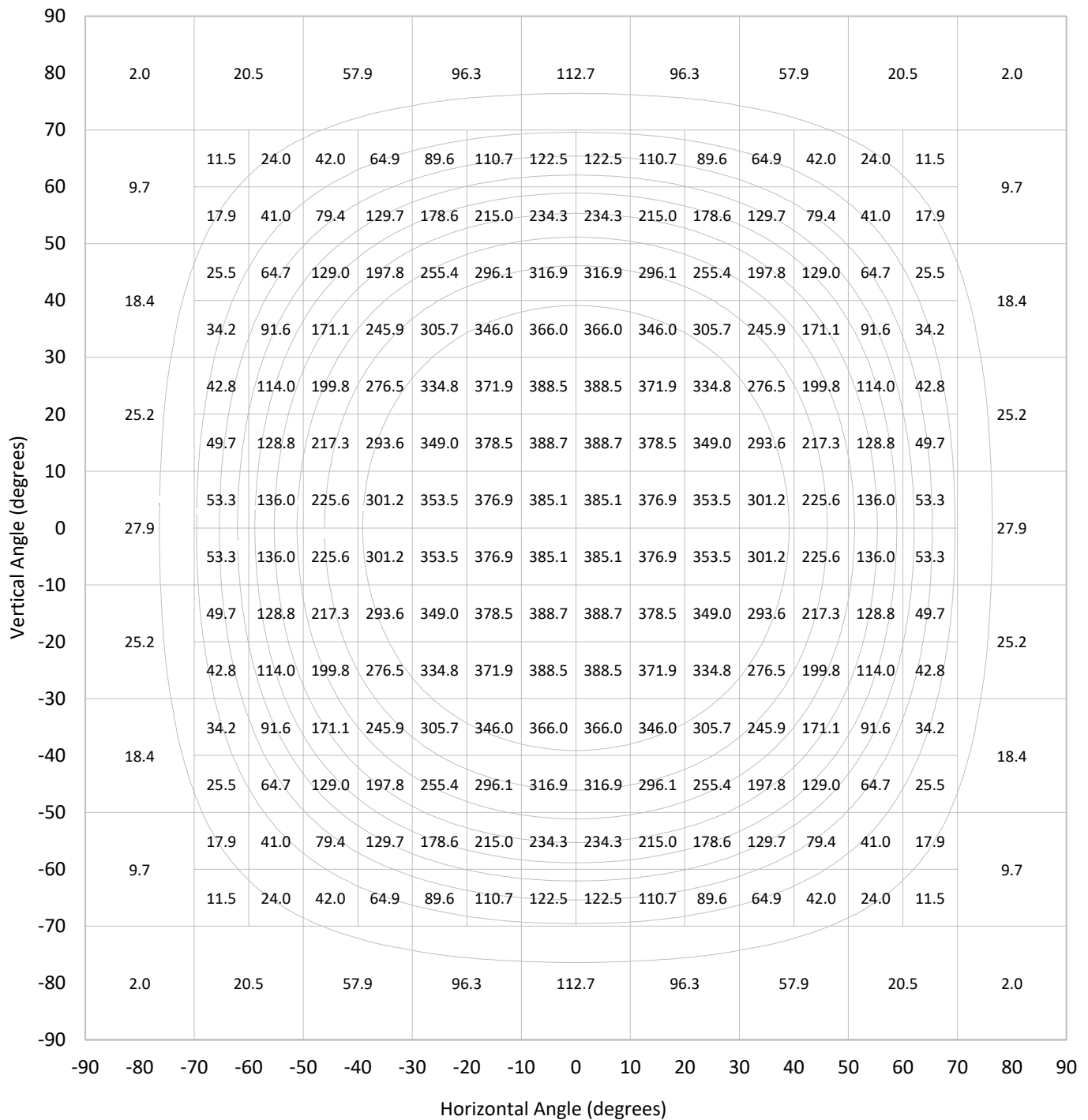
### Iso-Candela Plot





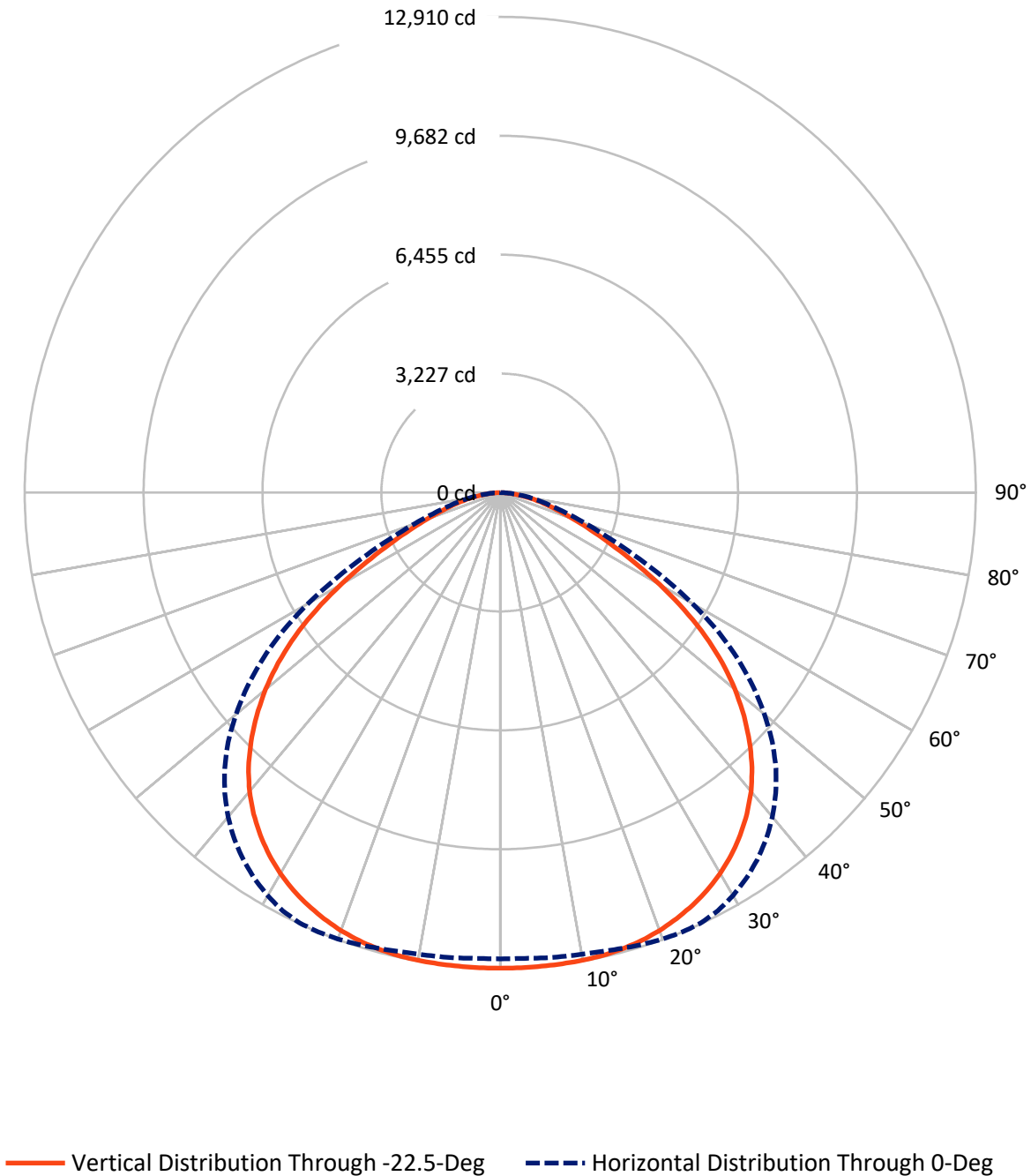
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### Lumen Table



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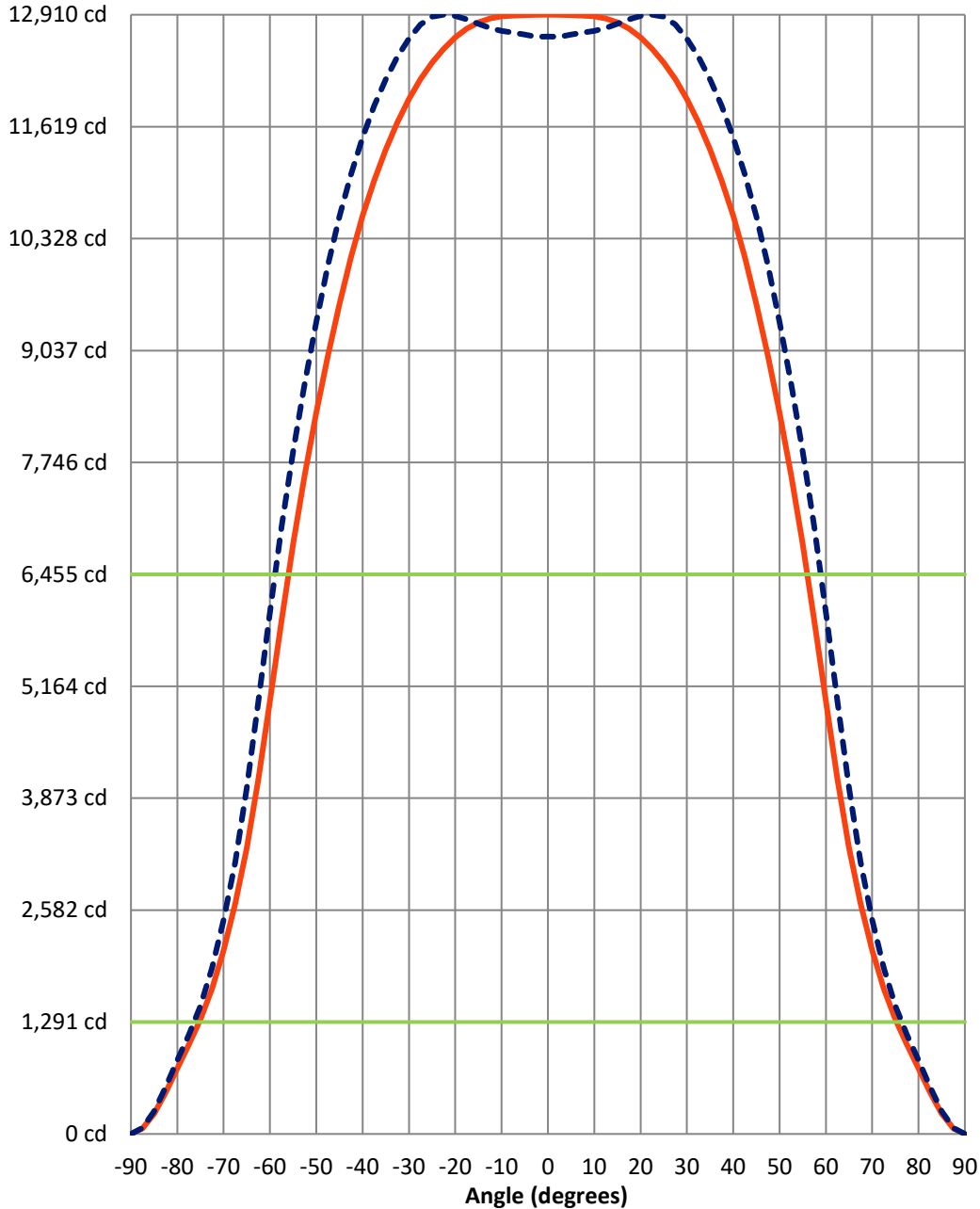
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 32865.5  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 38714.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 776.7  
 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	3.1	6.2	9.2	12.3	15.3	18.3	21.2	24.1	27.0	29.8
85°	0.0	6.2	12.3	18.4	24.5	30.5	36.5	42.4	48.2	54.0	59.6
82.5°	0.0	9.2	18.4	27.6	36.7	45.7	54.7	63.5	75.1	98.5	121.5
80°	0.0	12.3	24.5	36.7	48.8	60.8	76.4	108.5	140.1	171.3	201.9
77.5°	0.0	15.3	30.5	45.7	60.8	84.8	125.3	165.2	204.7	243.6	290.5
75°	0.0	18.3	36.5	54.7	76.4	125.3	173.6	221.5	271.5	339.3	405.9
72.5°	0.0	21.2	42.4	63.5	108.5	165.2	221.5	283.7	363.7	442.6	520.1
70°	0.0	24.1	48.2	75.1	140.1	204.7	271.5	363.7	454.9	545.0	642.3
67.5°	0.0	27.0	54.0	98.5	171.3	243.6	339.3	442.6	545.0	655.8	765.0
65°	0.0	29.8	59.6	121.5	201.9	290.5	405.9	520.1	642.3	765.0	884.2
62.5°	0.0	32.6	65.1	144.0	231.9	345.0	471.2	601.7	737.8	871.2	997.6
60°	0.0	35.3	70.5	166.0	261.2	398.4	535.2	683.7	831.4	971.5	1108.7
57.5°	0.0	37.9	84.7	187.5	302.3	450.5	603.2	763.8	919.6	1069.5	1227.4
55°	0.0	40.5	98.7	208.4	342.8	501.2	670.1	841.9	1004.6	1168.0	1347.9
52.5°	0.0	43.0	112.2	228.7	382.2	551.2	735.2	914.7	1087.4	1273.6	1465.2
50°	0.0	45.4	125.3	248.3	420.3	603.6	798.2	984.8	1170.8	1376.1	1611.0
47.5°	0.0	47.7	137.9	269.3	457.1	654.3	858.6	1052.6	1258.7	1475.2	1755.9
45°	0.0	49.9	150.0	295.8	492.4	702.9	914.4	1117.8	1343.5	1600.0	1895.6
42.5°	0.0	52.0	161.6	321.1	526.2	749.6	967.9	1185.3	1424.8	1720.6	2060.3
40°	0.0	54.1	172.7	345.3	560.2	794.1	1019.0	1253.1	1510.5	1835.9	2223.0
37.5°	0.0	56.0	183.2	368.3	593.9	836.4	1067.6	1317.7	1607.8	1953.9	2378.1
35°	0.0	57.8	193.1	390.0	625.9	875.3	1113.6	1378.8	1699.9	2085.5	2536.5
32.5°	0.0	59.5	202.4	410.4	655.9	911.2	1158.5	1436.3	1786.7	2209.7	2702.9
30°	0.0	61.1	211.1	429.5	683.9	944.7	1204.4	1494.0	1867.9	2326.0	2859.0
27.5°	0.0	62.6	219.2	447.1	709.9	975.9	1247.0	1559.7	1950.8	2434.1	3004.3
25°	0.0	64.0	226.6	463.4	733.9	1004.6	1286.3	1620.2	2038.8	2546.8	3140.0
22.5°	0.0	65.2	233.4	478.2	755.7	1030.7	1322.0	1675.3	2119.1	2656.1	3298.5
20°	0.0	66.3	239.5	491.5	775.3	1054.2	1354.2	1725.0	2191.5	2754.6	3441.6
17.5°	0.0	67.3	244.9	503.4	792.8	1075.1	1382.8	1769.2	2255.8	2842.2	3568.8
15°	0.0	68.2	249.6	513.7	807.9	1093.3	1407.7	1807.7	2311.9	2918.7	3679.9
12.5°	0.0	68.9	253.6	522.4	820.8	1108.7	1428.9	1840.4	2359.6	2983.7	3774.5
10°	0.0	69.5	256.8	529.6	831.4	1121.4	1446.3	1867.3	2398.8	3037.2	3852.3
7.5°	0.0	70.0	259.4	535.2	839.7	1131.3	1459.9	1888.2	2429.4	3078.9	3913.1
5°	0.0	70.3	261.2	539.2	845.6	1138.4	1469.6	1903.3	2451.3	3108.8	3956.6
2.5°	0.0	70.5	262.3	541.6	849.1	1142.7	1475.5	1912.3	2464.5	3126.8	3982.8
0°	0.0	70.6	262.7	542.4	850.3	1144.1	1477.4	1915.3	2468.9	3132.8	3991.5
-2.5°	0.0	70.5	262.3	541.6	849.1	1142.7	1475.5	1912.3	2464.5	3126.8	3982.8
-5°	0.0	70.3	261.2	539.2	845.6	1138.4	1469.6	1903.3	2451.3	3108.8	3956.6
-7.5°	0.0	70.0	259.4	535.2	839.7	1131.3	1459.9	1888.2	2429.4	3078.9	3913.1
-10°	0.0	69.5	256.8	529.6	831.4	1121.4	1446.3	1867.3	2398.8	3037.2	3852.3
-12.5°	0.0	68.9	253.6	522.4	820.8	1108.7	1428.9	1840.4	2359.6	2983.7	3774.5
-15°	0.0	68.2	249.6	513.7	807.9	1093.3	1407.7	1807.7	2311.9	2918.7	3679.9
-17.5°	0.0	67.3	244.9	503.4	792.8	1075.1	1382.8	1769.2	2255.8	2842.2	3568.8
-20°	0.0	66.3	239.5	491.5	775.3	1054.2	1354.2	1725.0	2191.5	2754.6	3441.6

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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	65.2	233.4	478.2	755.7	1030.7	1322.0	1675.3	2119.1	2656.1	3298.5
-25°	0.0	64.0	226.6	463.4	733.9	1004.6	1286.3	1620.2	2038.8	2546.8	3140.0
-27.5°	0.0	62.6	219.2	447.1	709.9	975.9	1247.0	1559.7	1950.8	2434.1	3004.3
-30°	0.0	61.1	211.1	429.5	683.9	944.7	1204.4	1494.0	1867.9	2326.0	2859.0
-32.5°	0.0	59.5	202.4	410.4	655.9	911.2	1158.5	1436.3	1786.7	2209.7	2702.9
-35°	0.0	57.8	193.1	390.0	625.9	875.3	1113.6	1378.8	1699.9	2085.5	2536.5
-37.5°	0.0	56.0	183.2	368.3	593.9	836.4	1067.6	1317.7	1607.8	1953.9	2378.1
-40°	0.0	54.1	172.7	345.3	560.2	794.1	1019.0	1253.1	1510.5	1835.9	2223.0
-42.5°	0.0	52.0	161.6	321.1	526.2	749.6	967.9	1185.3	1424.8	1720.6	2060.3
-45°	0.0	49.9	150.0	295.8	492.4	702.9	914.4	1117.8	1343.5	1600.0	1895.6
-47.5°	0.0	47.7	137.9	269.3	457.1	654.3	858.6	1052.6	1258.7	1475.2	1755.9
-50°	0.0	45.4	125.3	248.3	420.3	603.6	798.2	984.8	1170.8	1376.1	1611.0
-52.5°	0.0	43.0	112.2	228.7	382.2	551.2	735.2	914.7	1087.4	1273.6	1465.2
-55°	0.0	40.5	98.7	208.4	342.8	501.2	670.1	841.9	1004.6	1168.0	1347.9
-57.5°	0.0	37.9	84.7	187.5	302.3	450.5	603.2	763.8	919.6	1069.5	1227.4
-60°	0.0	35.3	70.5	166.0	261.2	398.4	535.2	683.7	831.4	971.5	1108.7
-62.5°	0.0	32.6	65.1	144.0	231.9	345.0	471.2	601.7	737.8	871.2	997.6
-65°	0.0	29.8	59.6	121.5	201.9	290.5	405.9	520.1	642.3	765.0	884.2
-67.5°	0.0	27.0	54.0	98.5	171.3	243.6	339.3	442.6	545.0	655.8	765.0
-70°	0.0	24.1	48.2	75.1	140.1	204.7	271.5	363.7	454.9	545.0	642.3
-72.5°	0.0	21.2	42.4	63.5	108.5	165.2	221.5	283.7	363.7	442.6	520.1
-75°	0.0	18.3	36.5	54.7	76.4	125.3	173.6	221.5	271.5	339.3	405.9
-77.5°	0.0	15.3	30.5	45.7	60.8	84.8	125.3	165.2	204.7	243.6	290.5
-80°	0.0	12.3	24.5	36.7	48.8	60.8	76.4	108.5	140.1	171.3	201.9
-82.5°	0.0	9.2	18.4	27.6	36.7	45.7	54.7	63.5	75.1	98.5	121.5
-85°	0.0	6.2	12.3	18.4	24.5	30.5	36.5	42.4	48.2	54.0	59.6
-87.5°	0.0	3.1	6.2	9.2	12.3	15.3	18.3	21.2	24.1	27.0	29.8
-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°	32.6	35.3	37.9	40.5	43.0	45.4	47.7	49.9	52.0	54.1	56.0
85°	65.1	70.5	84.7	98.7	112.2	125.3	137.9	150.0	161.6	172.7	183.2
82.5°	144.0	166.0	187.5	208.4	228.7	248.3	269.3	295.8	321.1	345.3	368.3
80°	231.9	261.2	302.3	342.8	382.2	420.3	457.1	492.4	526.2	560.2	593.9
77.5°	345.0	398.4	450.5	501.2	551.2	603.6	654.3	702.9	749.6	794.1	836.4
75°	471.2	535.2	603.2	670.1	735.2	798.2	858.6	914.4	967.9	1019.0	1067.6
72.5°	601.7	683.7	763.8	841.9	914.7	984.8	1052.6	1117.8	1185.3	1253.1	1317.7
70°	737.8	831.4	919.6	1004.6	1087.4	1170.8	1258.7	1343.5	1424.8	1510.5	1607.8
67.5°	871.2	971.5	1069.5	1168.0	1273.6	1376.1	1475.2	1600.0	1720.6	1835.9	1953.9
65°	997.6	1108.7	1227.4	1347.9	1465.2	1611.0	1755.9	1895.6	2060.3	2223.0	2378.1
62.5°	1121.8	1257.2	1392.7	1540.1	1709.6	1874.3	2065.2	2260.0	2447.5	2658.8	2864.4
60°	1257.2	1407.7	1579.7	1769.2	1964.2	2191.5	2411.9	2656.1	2902.2	3140.0	3431.8
57.5°	1392.7	1579.7	1789.1	2014.9	2267.9	2523.2	2809.9	3087.5	3420.3	3752.8	4083.6
55°	1540.1	1769.2	2014.9	2293.4	2584.9	2903.0	3235.6	3623.1	3998.2	4416.2	4816.4
52.5°	1709.6	1964.2	2267.9	2584.9	2934.2	3316.8	3745.9	4189.6	4657.0	5110.8	5555.9
50°	1874.3	2191.5	2523.2	2903.0	3316.8	3787.0	4286.0	4802.8	5313.1	5810.8	6276.9
47.5°	2065.2	2411.9	2809.9	3235.6	3745.9	4286.0	4851.7	5414.9	5965.3	6475.8	6964.8
45°	2260.0	2656.1	3087.5	3623.1	4189.6	4802.8	5414.9	6017.0	6576.0	7103.6	7565.2
42.5°	2447.5	2902.2	3420.3	3998.2	4657.0	5313.1	5965.3	6576.0	7148.8	7656.9	8120.6
40°	2658.8	3140.0	3752.8	4416.2	5110.8	5810.8	6475.8	7103.6	7656.9	8162.8	8632.3
37.5°	2864.4	3431.8	4083.6	4816.4	5555.9	6276.9	6964.8	7565.2	8120.6	8632.3	9082.7
35°	3059.7	3709.2	4435.1	5204.4	5980.8	6713.8	7383.3	7994.6	8546.3	9042.9	9503.4
32.5°	3276.8	3971.5	4767.8	5577.1	6367.8	7114.2	7778.0	8375.9	8924.4	9428.7	9886.0
30°	3500.7	4254.3	5083.6	5928.2	6731.3	7461.4	8124.1	8729.5	9273.7	9771.8	10220.0
27.5°	3709.2	4521.1	5384.8	6245.8	7063.4	7787.0	8440.7	9036.8	9584.1	10085.7	10520.0
25°	3901.9	4767.8	5663.6	6536.5	7343.0	8068.3	8727.8	9323.5	9867.8	10349.0	10771.2
22.5°	4092.0	4993.8	5919.2	6803.3	7599.8	8319.7	8973.3	9570.5	10115.1	10591.9	10996.9
20°	4276.9	5204.4	6144.6	7039.9	7832.9	8548.1	9196.7	9792.8	10322.8	10784.4	11187.7
17.5°	4441.4	5392.0	6341.8	7230.9	8024.6	8743.2	9394.4	9992.5	10509.8	10958.2	11352.5
15°	4585.1	5555.9	6514.3	7398.2	8189.4	8905.2	9556.4	10148.0	10661.8	11106.4	11498.0
12.5°	4707.6	5695.7	6661.4	7541.0	8330.3	9043.8	9695.3	10278.6	10783.7	11222.7	11605.8
10°	4808.3	5810.8	6782.6	7658.8	8446.5	9158.4	9810.1	10386.7	10884.8	11319.2	11695.5
7.5°	4887.0	5900.8	6877.4	7750.9	8537.5	9248.1	9900.2	10471.7	10964.4	11395.3	11766.4
5°	4943.5	5965.3	6945.4	7817.0	8602.9	9312.6	9964.9	10532.8	11021.7	11450.2	11817.5
2.5°	4977.4	6004.1	6986.3	7856.8	8642.3	9351.4	10004.0	10569.7	11056.2	11483.3	11848.4
0°	4988.7	6017.0	7000.0	7870.1	8655.4	9364.4	10017.0	10582.0	11067.8	11494.4	11858.8
-2.5°	4977.4	6004.1	6986.3	7856.8	8642.3	9351.4	10004.0	10569.7	11056.2	11483.3	11848.4
-5°	4943.5	5965.3	6945.4	7817.0	8602.9	9312.6	9964.9	10532.8	11021.7	11450.2	11817.5
-7.5°	4887.0	5900.8	6877.4	7750.9	8537.5	9248.1	9900.2	10471.7	10964.4	11395.3	11766.4
-10°	4808.3	5810.8	6782.6	7658.8	8446.5	9158.4	9810.1	10386.7	10884.8	11319.2	11695.5
-12.5°	4707.6	5695.7	6661.4	7541.0	8330.3	9043.8	9695.3	10278.6	10783.7	11222.7	11605.8
-15°	4585.1	5555.9	6514.3	7398.2	8189.4	8905.2	9556.4	10148.0	10661.8	11106.4	11498.0
-17.5°	4441.4	5392.0	6341.8	7230.9	8024.6	8743.2	9394.4	9992.5	10509.8	10958.2	11352.5
-20°	4276.9	5204.4	6144.6	7039.9	7832.9	8548.1	9196.7	9792.8	10322.8	10784.4	11187.7



REPORT NUMBER: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-750-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°	4092.0	4993.8	5919.2	6803.3	7599.8	8319.7	8973.3	9570.5	10115.1	10591.9	10996.9
-25°	3901.9	4767.8	5663.6	6536.5	7343.0	8068.3	8727.8	9323.5	9867.8	10349.0	10771.2
-27.5°	3709.2	4521.1	5384.8	6245.8	7063.4	7787.0	8440.7	9036.8	9584.1	10085.7	10520.0
-30°	3500.7	4254.3	5083.6	5928.2	6731.3	7461.4	8124.1	8729.5	9273.7	9771.8	10220.0
-32.5°	3276.8	3971.5	4767.8	5577.1	6367.8	7114.2	7778.0	8375.9	8924.4	9428.7	9886.0
-35°	3059.7	3709.2	4435.1	5204.4	5980.8	6713.8	7383.3	7994.6	8546.3	9042.9	9503.4
-37.5°	2864.4	3431.8	4083.6	4816.4	5555.9	6276.9	6964.8	7565.2	8120.6	8632.3	9082.7
-40°	2658.8	3140.0	3752.8	4416.2	5110.8	5810.8	6475.8	7103.6	7656.9	8162.8	8632.3
-42.5°	2447.5	2902.2	3420.3	3998.2	4657.0	5313.1	5965.3	6576.0	7148.8	7656.9	8120.6
-45°	2260.0	2656.1	3087.5	3623.1	4189.6	4802.8	5414.9	6017.0	6576.0	7103.6	7565.2
-47.5°	2065.2	2411.9	2809.9	3235.6	3745.9	4286.0	4851.7	5414.9	5965.3	6475.8	6964.8
-50°	1874.3	2191.5	2523.2	2903.0	3316.8	3787.0	4286.0	4802.8	5313.1	5810.8	6276.9
-52.5°	1709.6	1964.2	2267.9	2584.9	2934.2	3316.8	3745.9	4189.6	4657.0	5110.8	5555.9
-55°	1540.1	1769.2	2014.9	2293.4	2584.9	2903.0	3235.6	3623.1	3998.2	4416.2	4816.4
-57.5°	1392.7	1579.7	1789.1	2014.9	2267.9	2523.2	2809.9	3087.5	3420.3	3752.8	4083.6
-60°	1257.2	1407.7	1579.7	1769.2	1964.2	2191.5	2411.9	2656.1	2902.2	3140.0	3431.8
-62.5°	1121.8	1257.2	1392.7	1540.1	1709.6	1874.3	2065.2	2260.0	2447.5	2658.8	2864.4
-65°	997.6	1108.7	1227.4	1347.9	1465.2	1611.0	1755.9	1895.6	2060.3	2223.0	2378.1
-67.5°	871.2	971.5	1069.5	1168.0	1273.6	1376.1	1475.2	1600.0	1720.6	1835.9	1953.9
-70°	737.8	831.4	919.6	1004.6	1087.4	1170.8	1258.7	1343.5	1424.8	1510.5	1607.8
-72.5°	601.7	683.7	763.8	841.9	914.7	984.8	1052.6	1117.8	1185.3	1253.1	1317.7
-75°	471.2	535.2	603.2	670.1	735.2	798.2	858.6	914.4	967.9	1019.0	1067.6
-77.5°	345.0	398.4	450.5	501.2	551.2	603.6	654.3	702.9	749.6	794.1	836.4
-80°	231.9	261.2	302.3	342.8	382.2	420.3	457.1	492.4	526.2	560.2	593.9
-82.5°	144.0	166.0	187.5	208.4	228.7	248.3	269.3	295.8	321.1	345.3	368.3
-85°	65.1	70.5	84.7	98.7	112.2	125.3	137.9	150.0	161.6	172.7	183.2
-87.5°	32.6	35.3	37.9	40.5	43.0	45.4	47.7	49.9	52.0	54.1	56.0
-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: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-750-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°	57.8	59.5	61.1	62.6	64.0	65.2	66.3	67.3	68.2	68.9	69.5
85°	193.1	202.4	211.1	219.2	226.6	233.4	239.5	244.9	249.6	253.6	256.8
82.5°	390.0	410.4	429.5	447.1	463.4	478.2	491.5	503.4	513.7	522.4	529.6
80°	625.9	655.9	683.9	709.9	733.9	755.7	775.3	792.8	807.9	820.8	831.4
77.5°	875.3	911.2	944.7	975.9	1004.6	1030.7	1054.2	1075.1	1093.3	1108.7	1121.4
75°	1113.6	1158.5	1204.4	1247.0	1286.3	1322.0	1354.2	1382.8	1407.7	1428.9	1446.3
72.5°	1378.8	1436.3	1494.0	1559.7	1620.2	1675.3	1725.0	1769.2	1807.7	1840.4	1867.3
70°	1699.9	1786.7	1867.9	1950.8	2038.8	2119.1	2191.5	2255.8	2311.9	2359.6	2398.8
67.5°	2085.5	2209.7	2326.0	2434.1	2546.8	2656.1	2754.6	2842.2	2918.7	2983.7	3037.2
65°	2536.5	2702.9	2859.0	3004.3	3140.0	3298.5	3441.6	3568.8	3679.9	3774.5	3852.3
62.5°	3059.7	3276.8	3500.7	3709.2	3901.9	4092.0	4276.9	4441.4	4585.1	4707.6	4808.3
60°	3709.2	3971.5	4254.3	4521.1	4767.8	4993.8	5204.4	5392.0	5555.9	5695.7	5810.8
57.5°	4435.1	4767.8	5083.6	5384.8	5663.6	5919.2	6144.6	6341.8	6514.3	6661.4	6782.6
55°	5204.4	5577.1	5928.2	6245.8	6536.5	6803.3	7039.9	7230.9	7398.2	7541.0	7658.8
52.5°	5980.8	6367.8	6731.3	7063.4	7343.0	7599.8	7832.9	8024.6	8189.4	8330.3	8446.5
50°	6713.8	7114.2	7461.4	7787.0	8068.3	8319.7	8548.1	8743.2	8905.2	9043.8	9158.4
47.5°	7383.3	7778.0	8124.1	8440.7	8727.8	8973.3	9196.7	9394.4	9556.4	9695.3	9810.1
45°	7994.6	8375.9	8729.5	9036.8	9323.5	9570.5	9792.8	9992.5	10148.0	10278.6	10386.7
42.5°	8546.3	8924.4	9273.7	9584.1	9867.8	10115.1	10322.8	10509.8	10661.8	10783.7	10884.8
40°	9042.9	9428.7	9771.8	10085.7	10349.0	10591.9	10784.4	10958.2	11106.4	11222.7	11319.2
37.5°	9503.4	9886.0	10220.0	10520.0	10771.2	10996.9	11187.7	11352.5	11498.0	11605.8	11695.5
35°	9924.3	10287.9	10618.3	10893.3	11142.3	11354.9	11542.7	11694.7	11829.9	11932.6	12014.5
32.5°	10287.9	10648.4	10955.1	11225.8	11469.0	11667.4	11847.5	11986.7	12109.4	12208.2	12284.3
30°	10618.3	10955.1	11253.9	11522.1	11743.7	11936.9	12099.1	12235.0	12348.3	12442.6	12509.5
27.5°	10893.3	11225.8	11522.1	11769.4	11981.4	12167.4	12315.9	12446.8	12545.7	12632.4	12690.0
25°	11142.3	11469.0	11743.7	11981.4	12187.2	12357.1	12498.3	12616.9	12704.6	12779.0	12821.8
22.5°	11354.9	11667.4	11936.9	12167.4	12357.1	12515.8	12648.9	12749.3	12821.2	12866.1	12891.5
20°	11542.7	11847.5	12099.1	12315.9	12498.3	12648.9	12764.5	12838.8	12888.8	12901.1	12908.4
17.5°	11694.7	11986.7	12235.0	12446.8	12616.9	12749.3	12838.8	12891.1	12906.1	12903.4	12895.9
15°	11829.9	12109.4	12348.3	12545.7	12704.6	12821.2	12888.8	12906.1	12901.7	12886.5	12863.3
12.5°	11932.6	12208.2	12442.6	12632.4	12779.0	12866.1	12901.1	12903.4	12886.5	12857.7	12824.6
10°	12014.5	12284.3	12509.5	12690.0	12821.8	12891.5	12908.4	12895.9	12863.3	12824.6	12787.9
7.5°	12079.2	12344.6	12562.7	12735.9	12849.8	12899.3	12902.9	12879.6	12840.4	12796.4	12756.8
5°	12126.0	12388.4	12601.4	12769.4	12870.3	12905.0	12898.9	12866.7	12821.3	12775.3	12739.1
2.5°	12154.4	12414.9	12624.9	12789.8	12882.9	12908.5	12896.3	12858.7	12809.2	12761.8	12727.3
0°	12163.9	12423.8	12632.8	12796.7	12887.1	12909.7	12895.5	12856.0	12805.1	12757.1	12723.2
-2.5°	12154.4	12414.9	12624.9	12789.8	12882.9	12908.5	12896.3	12858.7	12809.2	12761.8	12727.3
-5°	12126.0	12388.4	12601.4	12769.4	12870.3	12905.0	12898.9	12866.7	12821.3	12775.3	12739.1
-7.5°	12079.2	12344.6	12562.7	12735.9	12849.8	12899.3	12902.9	12879.6	12840.4	12796.4	12756.8
-10°	12014.5	12284.3	12509.5	12690.0	12821.8	12891.5	12908.4	12895.9	12863.3	12824.6	12787.9
-12.5°	11932.6	12208.2	12442.6	12632.4	12779.0	12866.1	12901.1	12903.4	12886.5	12857.7	12824.6
-15°	11829.9	12109.4	12348.3	12545.7	12704.6	12821.2	12888.8	12906.1	12901.7	12886.5	12863.3
-17.5°	11694.7	11986.7	12235.0	12446.8	12616.9	12749.3	12838.8	12891.1	12906.1	12903.4	12895.9
-20°	11542.7	11847.5	12099.1	12315.9	12498.3	12648.9	12764.5	12838.8	12888.8	12901.1	12908.4



REPORT NUMBER: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11354.9	11667.4	11936.9	12167.4	12357.1	12515.8	12648.9	12749.3	12821.2	12866.1	12891.5
-25°	11142.3	11469.0	11743.7	11981.4	12187.2	12357.1	12498.3	12616.9	12704.6	12779.0	12821.8
-27.5°	10893.3	11225.8	11522.1	11769.4	11981.4	12167.4	12315.9	12446.8	12545.7	12632.4	12690.0
-30°	10618.3	10955.1	11253.9	11522.1	11743.7	11936.9	12099.1	12235.0	12348.3	12442.6	12509.5
-32.5°	10287.9	10648.4	10955.1	11225.8	11469.0	11667.4	11847.5	11986.7	12109.4	12208.2	12284.3
-35°	9924.3	10287.9	10618.3	10893.3	11142.3	11354.9	11542.7	11694.7	11829.9	11932.6	12014.5
-37.5°	9503.4	9886.0	10220.0	10520.0	10771.2	10996.9	11187.7	11352.5	11498.0	11605.8	11695.5
-40°	9042.9	9428.7	9771.8	10085.7	10349.0	10591.9	10784.4	10958.2	11106.4	11222.7	11319.2
-42.5°	8546.3	8924.4	9273.7	9584.1	9867.8	10115.1	10322.8	10509.8	10661.8	10783.7	10884.8
-45°	7994.6	8375.9	8729.5	9036.8	9323.5	9570.5	9792.8	9992.5	10148.0	10278.6	10386.7
-47.5°	7383.3	7778.0	8124.1	8440.7	8727.8	8973.3	9196.7	9394.4	9556.4	9695.3	9810.1
-50°	6713.8	7114.2	7461.4	7787.0	8068.3	8319.7	8548.1	8743.2	8905.2	9043.8	9158.4
-52.5°	5980.8	6367.8	6731.3	7063.4	7343.0	7599.8	7832.9	8024.6	8189.4	8330.3	8446.5
-55°	5204.4	5577.1	5928.2	6245.8	6536.5	6803.3	7039.9	7230.9	7398.2	7541.0	7658.8
-57.5°	4435.1	4767.8	5083.6	5384.8	5663.6	5919.2	6144.6	6341.8	6514.3	6661.4	6782.6
-60°	3709.2	3971.5	4254.3	4521.1	4767.8	4993.8	5204.4	5392.0	5555.9	5695.7	5810.8
-62.5°	3059.7	3276.8	3500.7	3709.2	3901.9	4092.0	4276.9	4441.4	4585.1	4707.6	4808.3
-65°	2536.5	2702.9	2859.0	3004.3	3140.0	3298.5	3441.6	3568.8	3679.9	3774.5	3852.3
-67.5°	2085.5	2209.7	2326.0	2434.1	2546.8	2656.1	2754.6	2842.2	2918.7	2983.7	3037.2
-70°	1699.9	1786.7	1867.9	1950.8	2038.8	2119.1	2191.5	2255.8	2311.9	2359.6	2398.8
-72.5°	1378.8	1436.3	1494.0	1559.7	1620.2	1675.3	1725.0	1769.2	1807.7	1840.4	1867.3
-75°	1113.6	1158.5	1204.4	1247.0	1286.3	1322.0	1354.2	1382.8	1407.7	1428.9	1446.3
-77.5°	875.3	911.2	944.7	975.9	1004.6	1030.7	1054.2	1075.1	1093.3	1108.7	1121.4
-80°	625.9	655.9	683.9	709.9	733.9	755.7	775.3	792.8	807.9	820.8	831.4
-82.5°	390.0	410.4	429.5	447.1	463.4	478.2	491.5	503.4	513.7	522.4	529.6
-85°	193.1	202.4	211.1	219.2	226.6	233.4	239.5	244.9	249.6	253.6	256.8
-87.5°	57.8	59.5	61.1	62.6	64.0	65.2	66.3	67.3	68.2	68.9	69.5
-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: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-750-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°	70.0	70.3	70.5	70.6	70.5	70.3	70.0	69.5	68.9	68.2	67.3
85°	259.4	261.2	262.3	262.7	262.3	261.2	259.4	256.8	253.6	249.6	244.9
82.5°	535.2	539.2	541.6	542.4	541.6	539.2	535.2	529.6	522.4	513.7	503.4
80°	839.7	845.6	849.1	850.3	849.1	845.6	839.7	831.4	820.8	807.9	792.8
77.5°	1131.3	1138.4	1142.7	1144.1	1142.7	1138.4	1131.3	1121.4	1108.7	1093.3	1075.1
75°	1459.9	1469.6	1475.5	1477.4	1475.5	1469.6	1459.9	1446.3	1428.9	1407.7	1382.8
72.5°	1888.2	1903.3	1912.3	1915.3	1912.3	1903.3	1888.2	1867.3	1840.4	1807.7	1769.2
70°	2429.4	2451.3	2464.5	2468.9	2464.5	2451.3	2429.4	2398.8	2359.6	2311.9	2255.8
67.5°	3078.9	3108.8	3126.8	3132.8	3126.8	3108.8	3078.9	3037.2	2983.7	2918.7	2842.2
65°	3913.1	3956.6	3982.8	3991.5	3982.8	3956.6	3913.1	3852.3	3774.5	3679.9	3568.8
62.5°	4887.0	4943.5	4977.4	4988.7	4977.4	4943.5	4887.0	4808.3	4707.6	4585.1	4441.4
60°	5900.8	5965.3	6004.1	6017.0	6004.1	5965.3	5900.8	5810.8	5695.7	5555.9	5392.0
57.5°	6877.4	6945.4	6986.3	7000.0	6986.3	6945.4	6877.4	6782.6	6661.4	6514.3	6341.8
55°	7750.9	7817.0	7856.8	7870.1	7856.8	7817.0	7750.9	7658.8	7541.0	7398.2	7230.9
52.5°	8537.5	8602.9	8642.3	8655.4	8642.3	8602.9	8537.5	8446.5	8330.3	8189.4	8024.6
50°	9248.1	9312.6	9351.4	9364.4	9351.4	9312.6	9248.1	9158.4	9043.8	8905.2	8743.2
47.5°	9900.2	9964.9	10004.0	10017.0	10004.0	9964.9	9900.2	9810.1	9695.3	9556.4	9394.4
45°	10471.7	10532.8	10569.7	10582.0	10569.7	10532.8	10471.7	10386.7	10278.6	10148.0	9992.5
42.5°	10964.4	11021.7	11056.2	11067.8	11056.2	11021.7	10964.4	10884.8	10783.7	10661.8	10509.8
40°	11395.3	11450.2	11483.3	11494.4	11483.3	11450.2	11395.3	11319.2	11222.7	11106.4	10958.2
37.5°	11766.4	11817.5	11848.4	11858.8	11848.4	11817.5	11766.4	11695.5	11605.8	11498.0	11352.5
35°	12079.2	12126.0	12154.4	12163.9	12154.4	12126.0	12079.2	12014.5	11932.6	11829.9	11694.7
32.5°	12344.6	12388.4	12414.9	12423.8	12414.9	12388.4	12344.6	12284.3	12208.2	12109.4	11986.7
30°	12562.7	12601.4	12624.9	12632.8	12624.9	12601.4	12562.7	12509.5	12442.6	12348.3	12235.0
27.5°	12735.9	12769.4	12789.8	12796.7	12789.8	12769.4	12735.9	12690.0	12632.4	12545.7	12446.8
25°	12849.8	12870.3	12882.9	12887.1	12882.9	12870.3	12849.8	12821.8	12779.0	12704.6	12616.9
22.5°	12899.3	12905.0	12908.5	12909.7	12908.5	12905.0	12899.3	12891.5	12866.1	12821.2	12749.3
20°	12902.9	12898.9	12896.3	12895.5	12896.3	12898.9	12902.9	12908.4	12901.1	12888.8	12838.8
17.5°	12879.6	12866.7	12858.7	12856.0	12858.7	12866.7	12879.6	12895.9	12903.4	12906.1	12891.1
15°	12840.4	12821.3	12809.2	12805.1	12809.2	12821.3	12840.4	12863.3	12886.5	12901.7	12906.1
12.5°	12796.4	12775.3	12761.8	12757.1	12761.8	12775.3	12796.4	12824.6	12857.7	12886.5	12903.4
10°	12756.8	12739.1	12727.3	12723.2	12727.3	12739.1	12756.8	12787.9	12824.6	12863.3	12895.9
7.5°	12731.2	12715.3	12706.6	12703.4	12706.6	12715.3	12731.2	12756.8	12796.4	12840.4	12879.6
5°	12715.3	12699.5	12686.1	12680.8	12686.1	12699.5	12715.3	12739.1	12775.3	12821.3	12866.7
2.5°	12706.6	12686.1	12665.9	12655.4	12665.9	12686.1	12706.6	12727.3	12761.8	12809.2	12858.7
0°	12703.4	12680.8	12655.4	12658.2	12655.4	12680.8	12703.4	12723.2	12757.1	12805.1	12856.0
-2.5°	12706.6	12686.1	12665.9	12655.4	12665.9	12686.1	12706.6	12727.3	12761.8	12809.2	12858.7
-5°	12715.3	12699.5	12686.1	12680.8	12686.1	12699.5	12715.3	12739.1	12775.3	12821.3	12866.7
-7.5°	12731.2	12715.3	12706.6	12703.4	12706.6	12715.3	12731.2	12756.8	12796.4	12840.4	12879.6
-10°	12756.8	12739.1	12727.3	12723.2	12727.3	12739.1	12756.8	12787.9	12824.6	12863.3	12895.9
-12.5°	12796.4	12775.3	12761.8	12757.1	12761.8	12775.3	12796.4	12824.6	12857.7	12886.5	12903.4
-15°	12840.4	12821.3	12809.2	12805.1	12809.2	12821.3	12840.4	12863.3	12886.5	12901.7	12906.1
-17.5°	12879.6	12866.7	12858.7	12856.0	12858.7	12866.7	12879.6	12895.9	12903.4	12906.1	12891.1
-20°	12902.9	12898.9	12896.3	12895.5	12896.3	12898.9	12902.9	12908.4	12901.1	12888.8	12838.8



REPORT NUMBER: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-750-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°	12899.3	12905.0	12908.5	12909.7	12908.5	12905.0	12899.3	12891.5	12866.1	12821.2	12749.3
-25°	12849.8	12870.3	12882.9	12887.1	12882.9	12870.3	12849.8	12821.8	12779.0	12704.6	12616.9
-27.5°	12735.9	12769.4	12789.8	12796.7	12789.8	12769.4	12735.9	12690.0	12632.4	12545.7	12446.8
-30°	12562.7	12601.4	12624.9	12632.8	12624.9	12601.4	12562.7	12509.5	12442.6	12348.3	12235.0
-32.5°	12344.6	12388.4	12414.9	12423.8	12414.9	12388.4	12344.6	12284.3	12208.2	12109.4	11986.7
-35°	12079.2	12126.0	12154.4	12163.9	12154.4	12126.0	12079.2	12014.5	11932.6	11829.9	11694.7
-37.5°	11766.4	11817.5	11848.4	11858.8	11848.4	11817.5	11766.4	11695.5	11605.8	11498.0	11352.5
-40°	11395.3	11450.2	11483.3	11494.4	11483.3	11450.2	11395.3	11319.2	11222.7	11106.4	10958.2
-42.5°	10964.4	11021.7	11056.2	11067.8	11056.2	11021.7	10964.4	10884.8	10783.7	10661.8	10509.8
-45°	10471.7	10532.8	10569.7	10582.0	10569.7	10532.8	10471.7	10386.7	10278.6	10148.0	9992.5
-47.5°	9900.2	9964.9	10004.0	10017.0	10004.0	9964.9	9900.2	9810.1	9695.3	9556.4	9394.4
-50°	9248.1	9312.6	9351.4	9364.4	9351.4	9312.6	9248.1	9158.4	9043.8	8905.2	8743.2
-52.5°	8537.5	8602.9	8642.3	8655.4	8642.3	8602.9	8537.5	8446.5	8330.3	8189.4	8024.6
-55°	7750.9	7817.0	7856.8	7870.1	7856.8	7817.0	7750.9	7658.8	7541.0	7398.2	7230.9
-57.5°	6877.4	6945.4	6986.3	7000.0	6986.3	6945.4	6877.4	6782.6	6661.4	6514.3	6341.8
-60°	5900.8	5965.3	6004.1	6017.0	6004.1	5965.3	5900.8	5810.8	5695.7	5555.9	5392.0
-62.5°	4887.0	4943.5	4977.4	4988.7	4977.4	4943.5	4887.0	4808.3	4707.6	4585.1	4441.4
-65°	3913.1	3956.6	3982.8	3991.5	3982.8	3956.6	3913.1	3852.3	3774.5	3679.9	3568.8
-67.5°	3078.9	3108.8	3126.8	3132.8	3126.8	3108.8	3078.9	3037.2	2983.7	2918.7	2842.2
-70°	2429.4	2451.3	2464.5	2468.9	2464.5	2451.3	2429.4	2398.8	2359.6	2311.9	2255.8
-72.5°	1888.2	1903.3	1912.3	1915.3	1912.3	1903.3	1888.2	1867.3	1840.4	1807.7	1769.2
-75°	1459.9	1469.6	1475.5	1477.4	1475.5	1469.6	1459.9	1446.3	1428.9	1407.7	1382.8
-77.5°	1131.3	1138.4	1142.7	1144.1	1142.7	1138.4	1131.3	1121.4	1108.7	1093.3	1075.1
-80°	839.7	845.6	849.1	850.3	849.1	845.6	839.7	831.4	820.8	807.9	792.8
-82.5°	535.2	539.2	541.6	542.4	541.6	539.2	535.2	529.6	522.4	513.7	503.4
-85°	259.4	261.2	262.3	262.7	262.3	261.2	259.4	256.8	253.6	249.6	244.9
-87.5°	70.0	70.3	70.5	70.6	70.5	70.3	70.0	69.5	68.9	68.2	67.3
-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: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-750-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°	66.3	65.2	64.0	62.6	61.1	59.5	57.8	56.0	54.1	52.0	49.9
85°	239.5	233.4	226.6	219.2	211.1	202.4	193.1	183.2	172.7	161.6	150.0
82.5°	491.5	478.2	463.4	447.1	429.5	410.4	390.0	368.3	345.3	321.1	295.8
80°	775.3	755.7	733.9	709.9	683.9	655.9	625.9	593.9	560.2	526.2	492.4
77.5°	1054.2	1030.7	1004.6	975.9	944.7	911.2	875.3	836.4	794.1	749.6	702.9
75°	1354.2	1322.0	1286.3	1247.0	1204.4	1158.5	1113.6	1067.6	1019.0	967.9	914.4
72.5°	1725.0	1675.3	1620.2	1559.7	1494.0	1436.3	1378.8	1317.7	1253.1	1185.3	1117.8
70°	2191.5	2119.1	2038.8	1950.8	1867.9	1786.7	1699.9	1607.8	1510.5	1424.8	1343.5
67.5°	2754.6	2656.1	2546.8	2434.1	2326.0	2209.7	2085.5	1953.9	1835.9	1720.6	1600.0
65°	3441.6	3298.5	3140.0	3004.3	2859.0	2702.9	2536.5	2378.1	2223.0	2060.3	1895.6
62.5°	4276.9	4092.0	3901.9	3709.2	3500.7	3276.8	3059.7	2864.4	2658.8	2447.5	2260.0
60°	5204.4	4993.8	4767.8	4521.1	4254.3	3971.5	3709.2	3431.8	3140.0	2902.2	2656.1
57.5°	6144.6	5919.2	5663.6	5384.8	5083.6	4767.8	4435.1	4083.6	3752.8	3420.3	3087.5
55°	7039.9	6803.3	6536.5	6245.8	5928.2	5577.1	5204.4	4816.4	4416.2	3998.2	3623.1
52.5°	7832.9	7599.8	7343.0	7063.4	6731.3	6367.8	5980.8	5555.9	5110.8	4657.0	4189.6
50°	8548.1	8319.7	8068.3	7787.0	7461.4	7114.2	6713.8	6276.9	5810.8	5313.1	4802.8
47.5°	9196.7	8973.3	8727.8	8440.7	8124.1	7778.0	7383.3	6964.8	6475.8	5965.3	5414.9
45°	9792.8	9570.5	9323.5	9036.8	8729.5	8375.9	7994.6	7565.2	7103.6	6576.0	6017.0
42.5°	10322.8	10115.1	9867.8	9584.1	9273.7	8924.4	8546.3	8120.6	7656.9	7148.8	6576.0
40°	10784.4	10591.9	10349.0	10085.7	9771.8	9428.7	9042.9	8632.3	8162.8	7656.9	7103.6
37.5°	11187.7	10996.9	10771.2	10520.0	10220.0	9886.0	9503.4	9082.7	8632.3	8120.6	7565.2
35°	11542.7	11354.9	11142.3	10893.3	10618.3	10287.9	9924.3	9503.4	9042.9	8546.3	7994.6
32.5°	11847.5	11667.4	11469.0	11225.8	10955.1	10648.4	10287.9	9886.0	9428.7	8924.4	8375.9
30°	12099.1	11936.9	11743.7	11522.1	11253.9	10955.1	10618.3	10220.0	9771.8	9273.7	8729.5
27.5°	12315.9	12167.4	11981.4	11769.4	11522.1	11225.8	10893.3	10520.0	10085.7	9584.1	9036.8
25°	12498.3	12357.1	12187.2	11981.4	11743.7	11469.0	11142.3	10771.2	10349.0	9867.8	9323.5
22.5°	12648.9	12515.8	12357.1	12167.4	11936.9	11667.4	11354.9	10996.9	10591.9	10115.1	9570.5
20°	12764.5	12648.9	12498.3	12315.9	12099.1	11847.5	11542.7	11187.7	10784.4	10322.8	9792.8
17.5°	12838.8	12749.3	12616.9	12446.8	12235.0	11986.7	11694.7	11352.5	10958.2	10509.8	9992.5
15°	12888.8	12821.2	12704.6	12545.7	12348.3	12109.4	11829.9	11498.0	11106.4	10661.8	10148.0
12.5°	12901.1	12866.1	12779.0	12632.4	12442.6	12208.2	11932.6	11605.8	11222.7	10783.7	10278.6
10°	12908.4	12891.5	12821.8	12690.0	12509.5	12284.3	12014.5	11695.5	11319.2	10884.8	10386.7
7.5°	12902.9	12899.3	12849.8	12735.9	12562.7	12344.6	12079.2	11766.4	11395.3	10964.4	10471.7
5°	12898.9	12905.0	12870.3	12769.4	12601.4	12388.4	12126.0	11817.5	11450.2	11021.7	10532.8
2.5°	12896.3	12908.5	12882.9	12789.8	12624.9	12414.9	12154.4	11848.4	11483.3	11056.2	10569.7
0°	12895.5	12909.7	12887.1	12796.7	12632.8	12423.8	12163.9	11858.8	11494.4	11067.8	10582.0
-2.5°	12896.3	12908.5	12882.9	12789.8	12624.9	12414.9	12154.4	11848.4	11483.3	11056.2	10569.7
-5°	12898.9	12905.0	12870.3	12769.4	12601.4	12388.4	12126.0	11817.5	11450.2	11021.7	10532.8
-7.5°	12902.9	12899.3	12849.8	12735.9	12562.7	12344.6	12079.2	11766.4	11395.3	10964.4	10471.7
-10°	12908.4	12891.5	12821.8	12690.0	12509.5	12284.3	12014.5	11695.5	11319.2	10884.8	10386.7
-12.5°	12901.1	12866.1	12779.0	12632.4	12442.6	12208.2	11932.6	11605.8	11222.7	10783.7	10278.6
-15°	12888.8	12821.2	12704.6	12545.7	12348.3	12109.4	11829.9	11498.0	11106.4	10661.8	10148.0
-17.5°	12838.8	12749.3	12616.9	12446.8	12235.0	11986.7	11694.7	11352.5	10958.2	10509.8	9992.5
-20°	12764.5	12648.9	12498.3	12315.9	12099.1	11847.5	11542.7	11187.7	10784.4	10322.8	9792.8



REPORT NUMBER: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-750-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12648.9	12515.8	12357.1	12167.4	11936.9	11667.4	11354.9	10996.9	10591.9	10115.1	9570.5
-25°	12498.3	12357.1	12187.2	11981.4	11743.7	11469.0	11142.3	10771.2	10349.0	9867.8	9323.5
-27.5°	12315.9	12167.4	11981.4	11769.4	11522.1	11225.8	10893.3	10520.0	10085.7	9584.1	9036.8
-30°	12099.1	11936.9	11743.7	11522.1	11253.9	10955.1	10618.3	10220.0	9771.8	9273.7	8729.5
-32.5°	11847.5	11667.4	11469.0	11225.8	10955.1	10648.4	10287.9	9886.0	9428.7	8924.4	8375.9
-35°	11542.7	11354.9	11142.3	10893.3	10618.3	10287.9	9924.3	9503.4	9042.9	8546.3	7994.6
-37.5°	11187.7	10996.9	10771.2	10520.0	10220.0	9886.0	9503.4	9082.7	8632.3	8120.6	7565.2
-40°	10784.4	10591.9	10349.0	10085.7	9771.8	9428.7	9042.9	8632.3	8162.8	7656.9	7103.6
-42.5°	10322.8	10115.1	9867.8	9584.1	9273.7	8924.4	8546.3	8120.6	7656.9	7148.8	6576.0
-45°	9792.8	9570.5	9323.5	9036.8	8729.5	8375.9	7994.6	7565.2	7103.6	6576.0	6017.0
-47.5°	9196.7	8973.3	8727.8	8440.7	8124.1	7778.0	7383.3	6964.8	6475.8	5965.3	5414.9
-50°	8548.1	8319.7	8068.3	7787.0	7461.4	7114.2	6713.8	6276.9	5810.8	5313.1	4802.8
-52.5°	7832.9	7599.8	7343.0	7063.4	6731.3	6367.8	5980.8	5555.9	5110.8	4657.0	4189.6
-55°	7039.9	6803.3	6536.5	6245.8	5928.2	5577.1	5204.4	4816.4	4416.2	3998.2	3623.1
-57.5°	6144.6	5919.2	5663.6	5384.8	5083.6	4767.8	4435.1	4083.6	3752.8	3420.3	3087.5
-60°	5204.4	4993.8	4767.8	4521.1	4254.3	3971.5	3709.2	3431.8	3140.0	2902.2	2656.1
-62.5°	4276.9	4092.0	3901.9	3709.2	3500.7	3276.8	3059.7	2864.4	2658.8	2447.5	2260.0
-65°	3441.6	3298.5	3140.0	3004.3	2859.0	2702.9	2536.5	2378.1	2223.0	2060.3	1895.6
-67.5°	2754.6	2656.1	2546.8	2434.1	2326.0	2209.7	2085.5	1953.9	1835.9	1720.6	1600.0
-70°	2191.5	2119.1	2038.8	1950.8	1867.9	1786.7	1699.9	1607.8	1510.5	1424.8	1343.5
-72.5°	1725.0	1675.3	1620.2	1559.7	1494.0	1436.3	1378.8	1317.7	1253.1	1185.3	1117.8
-75°	1354.2	1322.0	1286.3	1247.0	1204.4	1158.5	1113.6	1067.6	1019.0	967.9	914.4
-77.5°	1054.2	1030.7	1004.6	975.9	944.7	911.2	875.3	836.4	794.1	749.6	702.9
-80°	775.3	755.7	733.9	709.9	683.9	655.9	625.9	593.9	560.2	526.2	492.4
-82.5°	491.5	478.2	463.4	447.1	429.5	410.4	390.0	368.3	345.3	321.1	295.8
-85°	239.5	233.4	226.6	219.2	211.1	202.4	193.1	183.2	172.7	161.6	150.0
-87.5°	66.3	65.2	64.0	62.6	61.1	59.5	57.8	56.0	54.1	52.0	49.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645534 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-750-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°	47.7	45.4	43.0	40.5	37.9	35.3	32.6	29.8	27.0	24.1	21.2
85°	137.9	125.3	112.2	98.7	84.7	70.5	65.1	59.6	54.0	48.2	42.4
82.5°	269.3	248.3	228.7	208.4	187.5	166.0	144.0	121.5	98.5	75.1	63.5
80°	457.1	420.3	382.2	342.8	302.3	261.2	231.9	201.9	171.3	140.1	108.5
77.5°	654.3	603.6	551.2	501.2	450.5	398.4	345.0	290.5	243.6	204.7	165.2
75°	858.6	798.2	735.2	670.1	603.2	535.2	471.2	405.9	339.3	271.5	221.5
72.5°	1052.6	984.8	914.7	841.9	763.8	683.7	601.7	520.1	442.6	363.7	283.7
70°	1258.7	1170.8	1087.4	1004.6	919.6	831.4	737.8	642.3	545.0	454.9	363.7
67.5°	1475.2	1376.1	1273.6	1168.0	1069.5	971.5	871.2	765.0	655.8	545.0	442.6
65°	1755.9	1611.0	1465.2	1347.9	1227.4	1108.7	997.6	884.2	765.0	642.3	520.1
62.5°	2065.2	1874.3	1709.6	1540.1	1392.7	1257.2	1121.8	997.6	871.2	737.8	601.7
60°	2411.9	2191.5	1964.2	1769.2	1579.7	1407.7	1257.2	1108.7	971.5	831.4	683.7
57.5°	2809.9	2523.2	2267.9	2014.9	1789.1	1579.7	1392.7	1227.4	1069.5	919.6	763.8
55°	3235.6	2903.0	2584.9	2293.4	2014.9	1769.2	1540.1	1347.9	1168.0	1004.6	841.9
52.5°	3745.9	3316.8	2934.2	2584.9	2267.9	1964.2	1709.6	1465.2	1273.6	1087.4	914.7
50°	4286.0	3787.0	3316.8	2903.0	2523.2	2191.5	1874.3	1611.0	1376.1	1170.8	984.8
47.5°	4851.7	4286.0	3745.9	3235.6	2809.9	2411.9	2065.2	1755.9	1475.2	1258.7	1052.6
45°	5414.9	4802.8	4189.6	3623.1	3087.5	2656.1	2260.0	1895.6	1600.0	1343.5	1117.8
42.5°	5965.3	5313.1	4657.0	3998.2	3420.3	2902.2	2447.5	2060.3	1720.6	1424.8	1185.3
40°	6475.8	5810.8	5110.8	4416.2	3752.8	3140.0	2658.8	2223.0	1835.9	1510.5	1253.1
37.5°	6964.8	6276.9	5555.9	4816.4	4083.6	3431.8	2864.4	2378.1	1953.9	1607.8	1317.7
35°	7383.3	6713.8	5980.8	5204.4	4435.1	3709.2	3059.7	2536.5	2085.5	1699.9	1378.8
32.5°	7778.0	7114.2	6367.8	5577.1	4767.8	3971.5	3276.8	2702.9	2209.7	1786.7	1436.3
30°	8124.1	7461.4	6731.3	5928.2	5083.6	4254.3	3500.7	2859.0	2326.0	1867.9	1494.0
27.5°	8440.7	7787.0	7063.4	6245.8	5384.8	4521.1	3709.2	3004.3	2434.1	1950.8	1559.7
25°	8727.8	8068.3	7343.0	6536.5	5663.6	4767.8	3901.9	3140.0	2546.8	2038.8	1620.2
22.5°	8973.3	8319.7	7599.8	6803.3	5919.2	4993.8	4092.0	3298.5	2656.1	2119.1	1675.3
20°	9196.7	8548.1	7832.9	7039.9	6144.6	5204.4	4276.9	3441.6	2754.6	2191.5	1725.0
17.5°	9394.4	8743.2	8024.6	7230.9	6341.8	5392.0	4441.4	3568.8	2842.2	2255.8	1769.2
15°	9556.4	8905.2	8189.4	7398.2	6514.3	5555.9	4585.1	3679.9	2918.7	2311.9	1807.7
12.5°	9695.3	9043.8	8330.3	7541.0	6661.4	5695.7	4707.6	3774.5	2983.7	2359.6	1840.4
10°	9810.1	9158.4	8446.5	7658.8	6782.6	5810.8	4808.3	3852.3	3037.2	2398.8	1867.3
7.5°	9900.2	9248.1	8537.5	7750.9	6877.4	5900.8	4887.0	3913.1	3078.9	2429.4	1888.2
5°	9964.9	9312.6	8602.9	7817.0	6945.4	5965.3	4943.5	3956.6	3108.8	2451.3	1903.3
2.5°	10004.0	9351.4	8642.3	7856.8	6986.3	6004.1	4977.4	3982.8	3126.8	2464.5	1912.3
0°	10017.0	9364.4	8655.4	7870.1	7000.0	6017.0	4988.7	3991.5	3132.8	2468.9	1915.3
-2.5°	10004.0	9351.4	8642.3	7856.8	6986.3	6004.1	4977.4	3982.8	3126.8	2464.5	1912.3
-5°	9964.9	9312.6	8602.9	7817.0	6945.4	5965.3	4943.5	3956.6	3108.8	2451.3	1903.3
-7.5°	9900.2	9248.1	8537.5	7750.9	6877.4	5900.8	4887.0	3913.1	3078.9	2429.4	1888.2
-10°	9810.1	9158.4	8446.5	7658.8	6782.6	5810.8	4808.3	3852.3	3037.2	2398.8	1867.3
-12.5°	9695.3	9043.8	8330.3	7541.0	6661.4	5695.7	4707.6	3774.5	2983.7	2359.6	1840.4
-15°	9556.4	8905.2	8189.4	7398.2	6514.3	5555.9	4585.1	3679.9	2918.7	2311.9	1807.7
-17.5°	9394.4	8743.2	8024.6	7230.9	6341.8	5392.0	4441.4	3568.8	2842.2	2255.8	1769.2
-20°	9196.7	8548.1	7832.9	7039.9	6144.6	5204.4	4276.9	3441.6	2754.6	2191.5	1725.0



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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°	8973.3	8319.7	7599.8	6803.3	5919.2	4993.8	4092.0	3298.5	2656.1	2119.1	1675.3
-25°	8727.8	8068.3	7343.0	6536.5	5663.6	4767.8	3901.9	3140.0	2546.8	2038.8	1620.2
-27.5°	8440.7	7787.0	7063.4	6245.8	5384.8	4521.1	3709.2	3004.3	2434.1	1950.8	1559.7
-30°	8124.1	7461.4	6731.3	5928.2	5083.6	4254.3	3500.7	2859.0	2326.0	1867.9	1494.0
-32.5°	7778.0	7114.2	6367.8	5577.1	4767.8	3971.5	3276.8	2702.9	2209.7	1786.7	1436.3
-35°	7383.3	6713.8	5980.8	5204.4	4435.1	3709.2	3059.7	2536.5	2085.5	1699.9	1378.8
-37.5°	6964.8	6276.9	5555.9	4816.4	4083.6	3431.8	2864.4	2378.1	1953.9	1607.8	1317.7
-40°	6475.8	5810.8	5110.8	4416.2	3752.8	3140.0	2658.8	2223.0	1835.9	1510.5	1253.1
-42.5°	5965.3	5313.1	4657.0	3998.2	3420.3	2902.2	2447.5	2060.3	1720.6	1424.8	1185.3
-45°	5414.9	4802.8	4189.6	3623.1	3087.5	2656.1	2260.0	1895.6	1600.0	1343.5	1117.8
-47.5°	4851.7	4286.0	3745.9	3235.6	2809.9	2411.9	2065.2	1755.9	1475.2	1258.7	1052.6
-50°	4286.0	3787.0	3316.8	2903.0	2523.2	2191.5	1874.3	1611.0	1376.1	1170.8	984.8
-52.5°	3745.9	3316.8	2934.2	2584.9	2267.9	1964.2	1709.6	1465.2	1273.6	1087.4	914.7
-55°	3235.6	2903.0	2584.9	2293.4	2014.9	1769.2	1540.1	1347.9	1168.0	1004.6	841.9
-57.5°	2809.9	2523.2	2267.9	2014.9	1789.1	1579.7	1392.7	1227.4	1069.5	919.6	763.8
-60°	2411.9	2191.5	1964.2	1769.2	1579.7	1407.7	1257.2	1108.7	971.5	831.4	683.7
-62.5°	2065.2	1874.3	1709.6	1540.1	1392.7	1257.2	1121.8	997.6	871.2	737.8	601.7
-65°	1755.9	1611.0	1465.2	1347.9	1227.4	1108.7	997.6	884.2	765.0	642.3	520.1
-67.5°	1475.2	1376.1	1273.6	1168.0	1069.5	971.5	871.2	765.0	655.8	545.0	442.6
-70°	1258.7	1170.8	1087.4	1004.6	919.6	831.4	737.8	642.3	545.0	454.9	363.7
-72.5°	1052.6	984.8	914.7	841.9	763.8	683.7	601.7	520.1	442.6	363.7	283.7
-75°	858.6	798.2	735.2	670.1	603.2	535.2	471.2	405.9	339.3	271.5	221.5
-77.5°	654.3	603.6	551.2	501.2	450.5	398.4	345.0	290.5	243.6	204.7	165.2
-80°	457.1	420.3	382.2	342.8	302.3	261.2	231.9	201.9	171.3	140.1	108.5
-82.5°	269.3	248.3	228.7	208.4	187.5	166.0	144.0	121.5	98.5	75.1	63.5
-85°	137.9	125.3	112.2	98.7	84.7	70.5	65.1	59.6	54.0	48.2	42.4
-87.5°	47.7	45.4	43.0	40.5	37.9	35.3	32.6	29.8	27.0	24.1	21.2
-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°	18.3	15.3	12.3	9.2	6.2	3.1	0.0
85°	36.5	30.5	24.5	18.4	12.3	6.2	0.0
82.5°	54.7	45.7	36.7	27.6	18.4	9.2	0.0
80°	76.4	60.8	48.8	36.7	24.5	12.3	0.0
77.5°	125.3	84.8	60.8	45.7	30.5	15.3	0.0
75°	173.6	125.3	76.4	54.7	36.5	18.3	0.0
72.5°	221.5	165.2	108.5	63.5	42.4	21.2	0.0
70°	271.5	204.7	140.1	75.1	48.2	24.1	0.0
67.5°	339.3	243.6	171.3	98.5	54.0	27.0	0.0
65°	405.9	290.5	201.9	121.5	59.6	29.8	0.0
62.5°	471.2	345.0	231.9	144.0	65.1	32.6	0.0
60°	535.2	398.4	261.2	166.0	70.5	35.3	0.0
57.5°	603.2	450.5	302.3	187.5	84.7	37.9	0.0
55°	670.1	501.2	342.8	208.4	98.7	40.5	0.0
52.5°	735.2	551.2	382.2	228.7	112.2	43.0	0.0
50°	798.2	603.6	420.3	248.3	125.3	45.4	0.0
47.5°	858.6	654.3	457.1	269.3	137.9	47.7	0.0
45°	914.4	702.9	492.4	295.8	150.0	49.9	0.0
42.5°	967.9	749.6	526.2	321.1	161.6	52.0	0.0
40°	1019.0	794.1	560.2	345.3	172.7	54.1	0.0
37.5°	1067.6	836.4	593.9	368.3	183.2	56.0	0.0
35°	1113.6	875.3	625.9	390.0	193.1	57.8	0.0
32.5°	1158.5	911.2	655.9	410.4	202.4	59.5	0.0
30°	1204.4	944.7	683.9	429.5	211.1	61.1	0.0
27.5°	1247.0	975.9	709.9	447.1	219.2	62.6	0.0
25°	1286.3	1004.6	733.9	463.4	226.6	64.0	0.0
22.5°	1322.0	1030.7	755.7	478.2	233.4	65.2	0.0
20°	1354.2	1054.2	775.3	491.5	239.5	66.3	0.0
17.5°	1382.8	1075.1	792.8	503.4	244.9	67.3	0.0
15°	1407.7	1093.3	807.9	513.7	249.6	68.2	0.0
12.5°	1428.9	1108.7	820.8	522.4	253.6	68.9	0.0
10°	1446.3	1121.4	831.4	529.6	256.8	69.5	0.0
7.5°	1459.9	1131.3	839.7	535.2	259.4	70.0	0.0
5°	1469.6	1138.4	845.6	539.2	261.2	70.3	0.0
2.5°	1475.5	1142.7	849.1	541.6	262.3	70.5	0.0
0°	1477.4	1144.1	850.3	542.4	262.7	70.6	0.0
-2.5°	1475.5	1142.7	849.1	541.6	262.3	70.5	0.0
-5°	1469.6	1138.4	845.6	539.2	261.2	70.3	0.0
-7.5°	1459.9	1131.3	839.7	535.2	259.4	70.0	0.0
-10°	1446.3	1121.4	831.4	529.6	256.8	69.5	0.0
-12.5°	1428.9	1108.7	820.8	522.4	253.6	68.9	0.0
-15°	1407.7	1093.3	807.9	513.7	249.6	68.2	0.0
-17.5°	1382.8	1075.1	792.8	503.4	244.9	67.3	0.0
-20°	1354.2	1054.2	775.3	491.5	239.5	66.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1322.0	1030.7	755.7	478.2	233.4	65.2	0.0
-25°	1286.3	1004.6	733.9	463.4	226.6	64.0	0.0
-27.5°	1247.0	975.9	709.9	447.1	219.2	62.6	0.0
-30°	1204.4	944.7	683.9	429.5	211.1	61.1	0.0
-32.5°	1158.5	911.2	655.9	410.4	202.4	59.5	0.0
-35°	1113.6	875.3	625.9	390.0	193.1	57.8	0.0
-37.5°	1067.6	836.4	593.9	368.3	183.2	56.0	0.0
-40°	1019.0	794.1	560.2	345.3	172.7	54.1	0.0
-42.5°	967.9	749.6	526.2	321.1	161.6	52.0	0.0
-45°	914.4	702.9	492.4	295.8	150.0	49.9	0.0
-47.5°	858.6	654.3	457.1	269.3	137.9	47.7	0.0
-50°	798.2	603.6	420.3	248.3	125.3	45.4	0.0
-52.5°	735.2	551.2	382.2	228.7	112.2	43.0	0.0
-55°	670.1	501.2	342.8	208.4	98.7	40.5	0.0
-57.5°	603.2	450.5	302.3	187.5	84.7	37.9	0.0
-60°	535.2	398.4	261.2	166.0	70.5	35.3	0.0
-62.5°	471.2	345.0	231.9	144.0	65.1	32.6	0.0
-65°	405.9	290.5	201.9	121.5	59.6	29.8	0.0
-67.5°	339.3	243.6	171.3	98.5	54.0	27.0	0.0
-70°	271.5	204.7	140.1	75.1	48.2	24.1	0.0
-72.5°	221.5	165.2	108.5	63.5	42.4	21.2	0.0
-75°	173.6	125.3	76.4	54.7	36.5	18.3	0.0
-77.5°	125.3	84.8	60.8	45.7	30.5	15.3	0.0
-80°	76.4	60.8	48.8	36.7	24.5	12.3	0.0
-82.5°	54.7	45.7	36.7	27.6	18.4	9.2	0.0
-85°	36.5	30.5	24.5	18.4	12.3	6.2	0.0
-87.5°	18.3	15.3	12.3	9.2	6.2	3.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)