

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: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-722-U-LAM-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645332 (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-SA1D-722-U-LAM-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

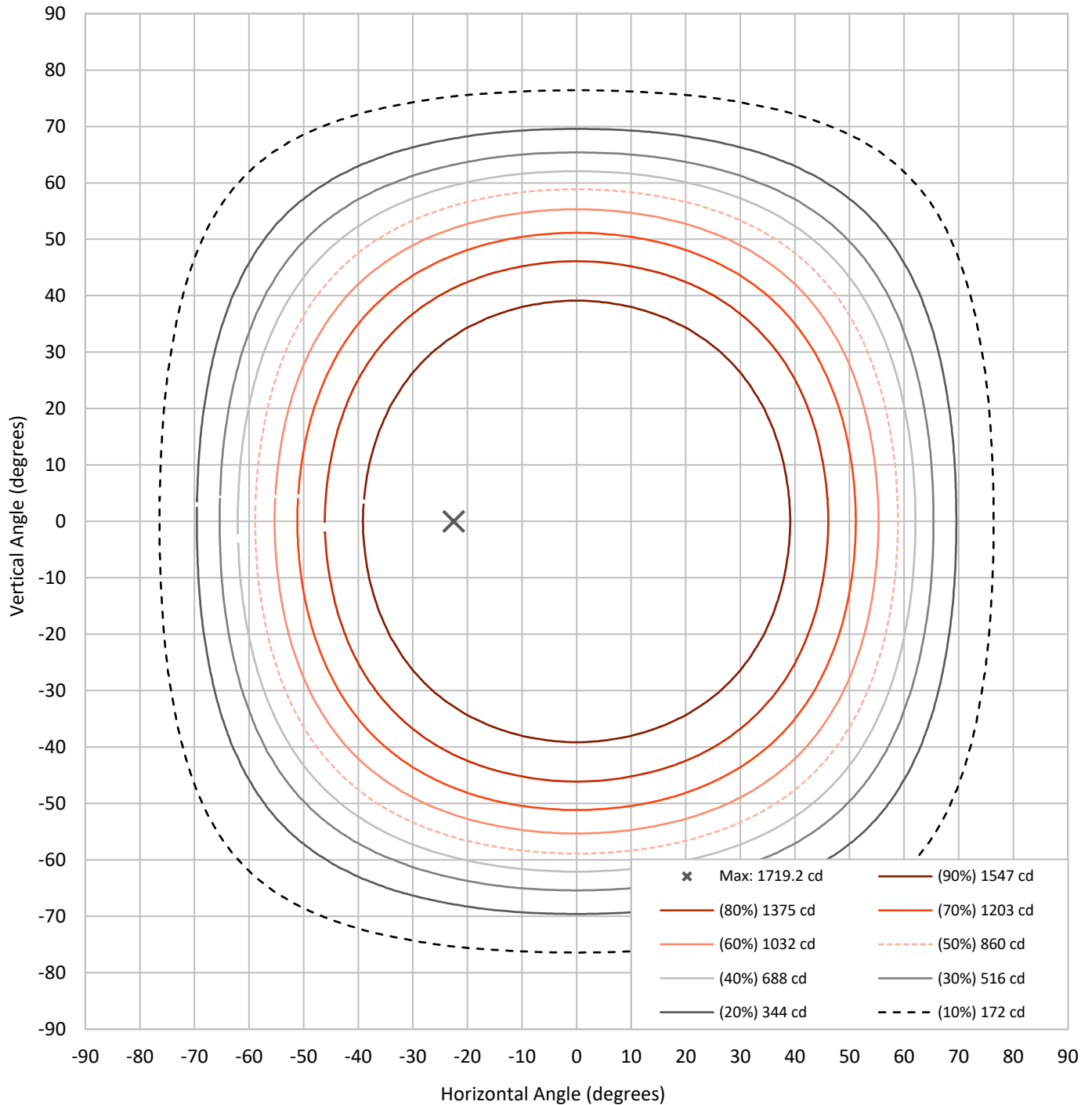
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	5259.3 lumens	Max Intensity:	1719.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	91.8 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	4376.8 lumens	Field Lumens:	5155.9 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	57.3		
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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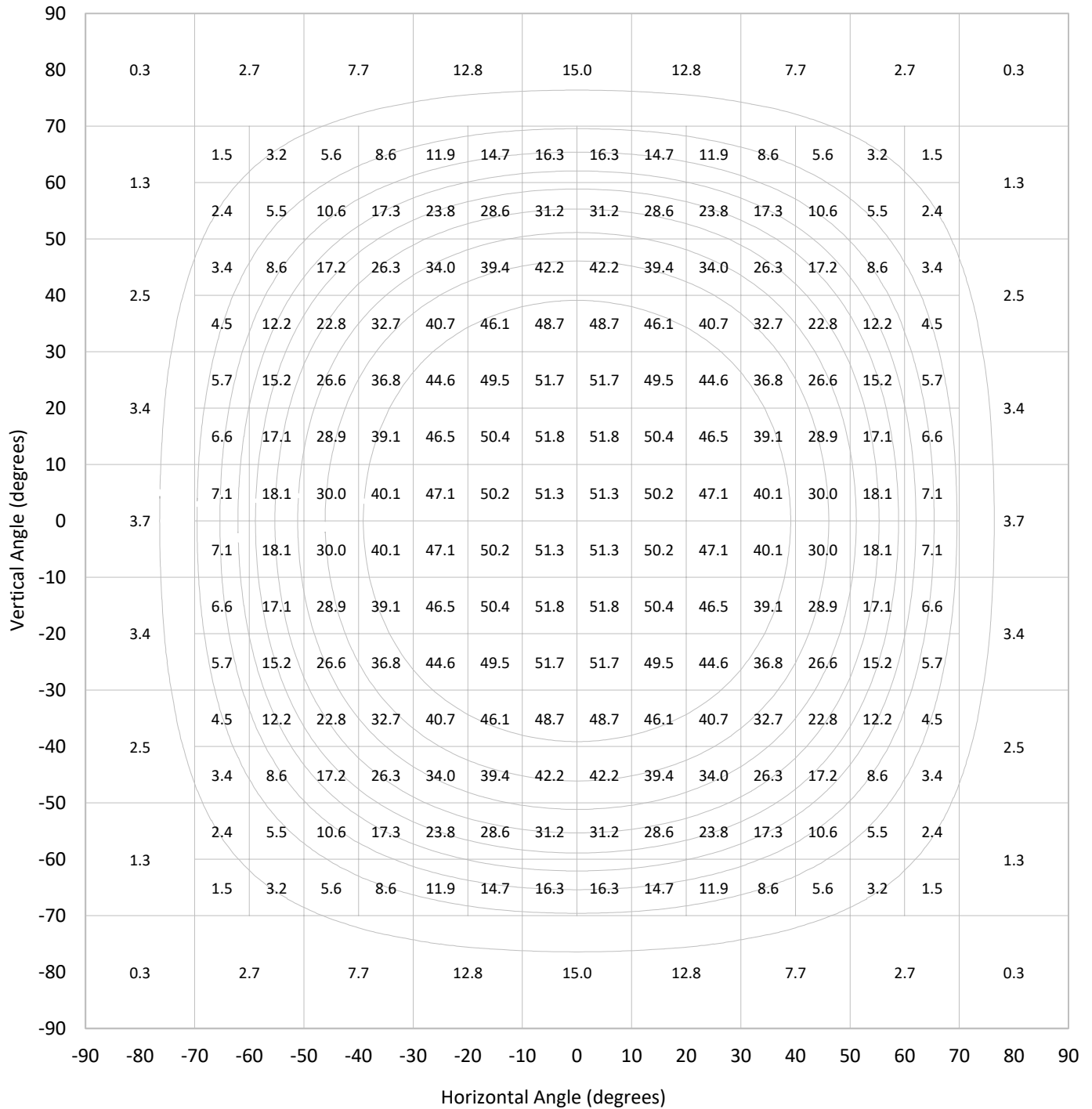
### Iso-Candela Plot





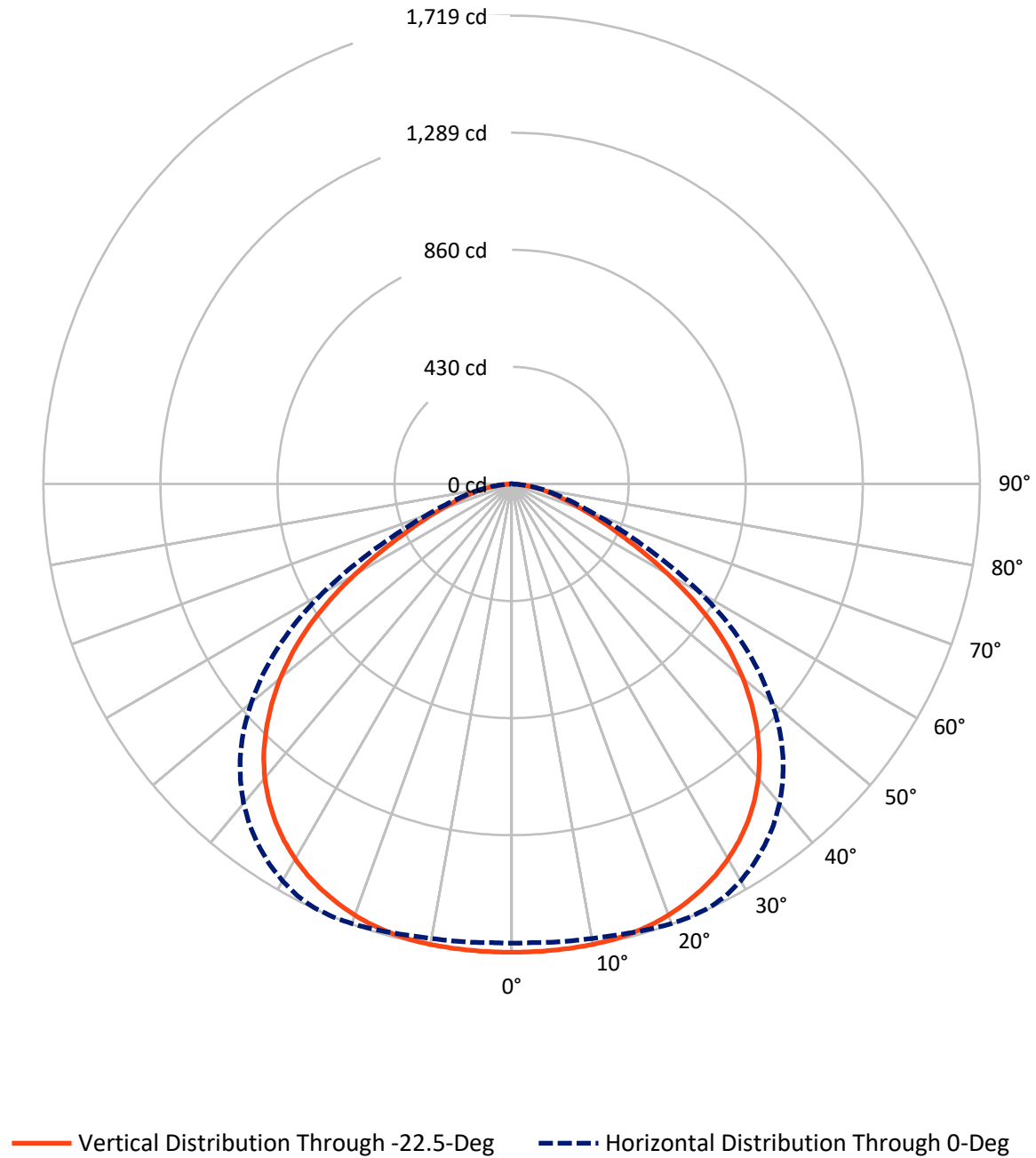
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### Lumen Table



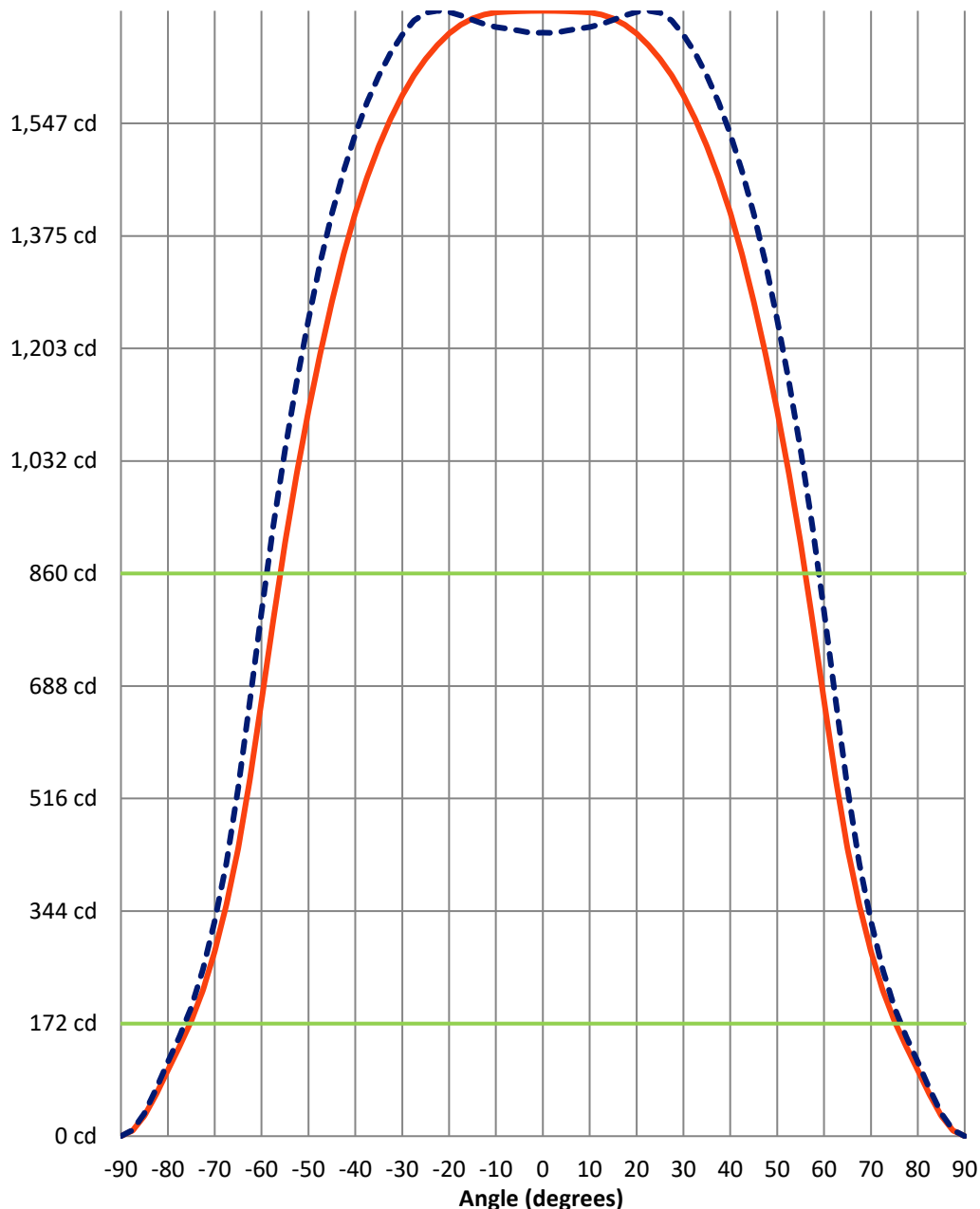
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 4376.8  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 5155.9  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 103.4  
 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	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
85°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.6	6.4	7.2	7.9
82.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	10.0	13.1	16.2
80°	0.0	1.6	3.3	4.9	6.5	8.1	10.2	14.5	18.7	22.8	26.9
77.5°	0.0	2.0	4.1	6.1	8.1	11.3	16.7	22.0	27.3	32.5	38.7
75°	0.0	2.4	4.9	7.3	10.2	16.7	23.1	29.5	36.2	45.2	54.0
72.5°	0.0	2.8	5.6	8.5	14.5	22.0	29.5	37.8	48.4	58.9	69.2
70°	0.0	3.2	6.4	10.0	18.7	27.3	36.2	48.4	60.6	72.5	85.5
67.5°	0.0	3.6	7.2	13.1	22.8	32.5	45.2	58.9	72.5	87.3	101.8
65°	0.0	4.0	7.9	16.2	26.9	38.7	54.0	69.2	85.5	101.8	117.7
62.5°	0.0	4.3	8.7	19.2	30.9	45.9	62.7	80.1	98.2	116.0	132.8
60°	0.0	4.7	9.4	22.1	34.8	53.0	71.2	91.0	110.7	129.4	147.7
57.5°	0.0	5.0	11.3	25.0	40.3	60.0	80.3	101.7	122.4	142.5	163.5
55°	0.0	5.4	13.1	27.8	45.7	66.7	89.2	112.1	133.8	155.6	179.5
52.5°	0.0	5.7	14.9	30.5	50.9	73.4	97.9	121.8	144.8	169.7	195.2
50°	0.0	6.0	16.7	33.1	56.0	80.4	106.3	131.2	156.0	183.3	214.6
47.5°	0.0	6.3	18.4	35.9	60.8	87.1	114.3	140.2	167.7	196.5	233.9
45°	0.0	6.6	20.0	39.4	65.5	93.6	121.8	148.9	179.0	213.1	252.5
42.5°	0.0	6.9	21.5	42.8	70.1	99.8	128.9	157.9	189.8	229.2	274.4
40°	0.0	7.2	23.0	46.0	74.6	105.7	135.7	166.9	201.2	244.5	296.1
37.5°	0.0	7.5	24.4	49.0	79.1	111.4	142.2	175.5	214.2	260.2	316.7
35°	0.0	7.7	25.7	51.9	83.3	116.5	148.3	183.7	226.4	277.8	337.8
32.5°	0.0	7.9	27.0	54.6	87.3	121.3	154.3	191.3	238.0	294.3	360.0
30°	0.0	8.1	28.1	57.2	91.0	125.8	160.4	199.0	248.8	309.8	380.7
27.5°	0.0	8.3	29.2	59.5	94.5	130.0	166.1	207.8	259.8	324.2	400.1
25°	0.0	8.5	30.2	61.7	97.7	133.8	171.3	215.8	271.5	339.2	418.2
22.5°	0.0	8.7	31.1	63.7	100.6	137.3	176.1	223.1	282.2	353.7	439.3
20°	0.0	8.8	31.9	65.4	103.2	140.4	180.4	229.8	291.9	366.8	458.3
17.5°	0.0	9.0	32.6	67.0	105.5	143.2	184.2	235.6	300.4	378.5	475.3
15°	0.0	9.1	33.3	68.4	107.6	145.6	187.5	240.8	307.9	388.7	490.1
12.5°	0.0	9.2	33.8	69.5	109.3	147.7	190.3	245.1	314.3	397.3	502.7
10°	0.0	9.3	34.2	70.5	110.7	149.4	192.7	248.7	319.5	404.5	513.1
7.5°	0.0	9.3	34.6	71.2	111.8	150.7	194.5	251.5	323.5	410.0	521.2
5°	0.0	9.4	34.8	71.8	112.6	151.6	195.8	253.5	326.5	414.0	526.9
2.5°	0.0	9.4	35.0	72.1	113.0	152.2	196.5	254.7	328.2	416.4	530.4
0°	0.0	9.4	35.0	72.2	113.2	152.4	196.8	255.1	328.8	417.2	531.6
-2.5°	0.0	9.4	35.0	72.1	113.0	152.2	196.5	254.7	328.2	416.4	530.4
-5°	0.0	9.4	34.8	71.8	112.6	151.6	195.8	253.5	326.5	414.0	526.9
-7.5°	0.0	9.3	34.6	71.2	111.8	150.7	194.5	251.5	323.5	410.0	521.2
-10°	0.0	9.3	34.2	70.5	110.7	149.4	192.7	248.7	319.5	404.5	513.1
-12.5°	0.0	9.2	33.8	69.5	109.3	147.7	190.3	245.1	314.3	397.3	502.7
-15°	0.0	9.1	33.3	68.4	107.6	145.6	187.5	240.8	307.9	388.7	490.1
-17.5°	0.0	9.0	32.6	67.0	105.5	143.2	184.2	235.6	300.4	378.5	475.3
-20°	0.0	8.8	31.9	65.4	103.2	140.4	180.4	229.8	291.9	366.8	458.3

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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	8.7	31.1	63.7	100.6	137.3	176.1	223.1	282.2	353.7	439.3
-25°	0.0	8.5	30.2	61.7	97.7	133.8	171.3	215.8	271.5	339.2	418.2
-27.5°	0.0	8.3	29.2	59.5	94.5	130.0	166.1	207.8	259.8	324.2	400.1
-30°	0.0	8.1	28.1	57.2	91.0	125.8	160.4	199.0	248.8	309.8	380.7
-32.5°	0.0	7.9	27.0	54.6	87.3	121.3	154.3	191.3	238.0	294.3	360.0
-35°	0.0	7.7	25.7	51.9	83.3	116.5	148.3	183.7	226.4	277.8	337.8
-37.5°	0.0	7.5	24.4	49.0	79.1	111.4	142.2	175.5	214.2	260.2	316.7
-40°	0.0	7.2	23.0	46.0	74.6	105.7	135.7	166.9	201.2	244.5	296.1
-42.5°	0.0	6.9	21.5	42.8	70.1	99.8	128.9	157.9	189.8	229.2	274.4
-45°	0.0	6.6	20.0	39.4	65.5	93.6	121.8	148.9	179.0	213.1	252.5
-47.5°	0.0	6.3	18.4	35.9	60.8	87.1	114.3	140.2	167.7	196.5	233.9
-50°	0.0	6.0	16.7	33.1	56.0	80.4	106.3	131.2	156.0	183.3	214.6
-52.5°	0.0	5.7	14.9	30.5	50.9	73.4	97.9	121.8	144.8	169.7	195.2
-55°	0.0	5.4	13.1	27.8	45.7	66.7	89.2	112.1	133.8	155.6	179.5
-57.5°	0.0	5.0	11.3	25.0	40.3	60.0	80.3	101.7	122.4	142.5	163.5
-60°	0.0	4.7	9.4	22.1	34.8	53.0	71.2	91.0	110.7	129.4	147.7
-62.5°	0.0	4.3	8.7	19.2	30.9	45.9	62.7	80.1	98.2	116.0	132.8
-65°	0.0	4.0	7.9	16.2	26.9	38.7	54.0	69.2	85.5	101.8	117.7
-67.5°	0.0	3.6	7.2	13.1	22.8	32.5	45.2	58.9	72.5	87.3	101.8
-70°	0.0	3.2	6.4	10.0	18.7	27.3	36.2	48.4	60.6	72.5	85.5
-72.5°	0.0	2.8	5.6	8.5	14.5	22.0	29.5	37.8	48.4	58.9	69.2
-75°	0.0	2.4	4.9	7.3	10.2	16.7	23.1	29.5	36.2	45.2	54.0
-77.5°	0.0	2.0	4.1	6.1	8.1	11.3	16.7	22.0	27.3	32.5	38.7
-80°	0.0	1.6	3.3	4.9	6.5	8.1	10.2	14.5	18.7	22.8	26.9
-82.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	10.0	13.1	16.2
-85°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.6	6.4	7.2	7.9
-87.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-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: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1D-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°	4.3	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5
85°	8.7	9.4	11.3	13.1	14.9	16.7	18.4	20.0	21.5	23.0	24.4
82.5°	19.2	22.1	25.0	27.8	30.5	33.1	35.9	39.4	42.8	46.0	49.0
80°	30.9	34.8	40.3	45.7	50.9	56.0	60.8	65.5	70.1	74.6	79.1
77.5°	45.9	53.0	60.0	66.7	73.4	80.4	87.1	93.6	99.8	105.7	111.4
75°	62.7	71.2	80.3	89.2	97.9	106.3	114.3	121.8	128.9	135.7	142.2
72.5°	80.1	91.0	101.7	112.1	121.8	131.2	140.2	148.9	157.9	166.9	175.5
70°	98.2	110.7	122.4	133.8	144.8	156.0	167.7	179.0	189.8	201.2	214.2
67.5°	116.0	129.4	142.5	155.6	169.7	183.3	196.5	213.1	229.2	244.5	260.2
65°	132.8	147.7	163.5	179.5	195.2	214.6	233.9	252.5	274.4	296.1	316.7
62.5°	149.4	167.5	185.5	205.1	227.7	249.6	275.1	301.0	326.0	354.1	381.5
60°	167.5	187.5	210.4	235.6	261.6	291.9	321.2	353.7	386.5	418.2	457.0
57.5°	185.5	210.4	238.3	268.4	302.0	336.0	374.2	411.2	455.5	499.8	543.9
55°	205.1	235.6	268.4	305.4	344.2	386.6	430.9	482.5	532.5	588.2	641.5
52.5°	227.7	261.6	302.0	344.2	390.8	441.7	498.9	558.0	620.2	680.7	739.9
50°	249.6	291.9	336.0	386.6	441.7	504.3	570.8	639.6	707.6	773.8	835.9
47.5°	275.1	321.2	374.2	430.9	498.9	570.8	646.2	721.1	794.4	862.4	927.5
45°	301.0	353.7	411.2	482.5	558.0	639.6	721.1	801.3	875.7	946.0	1007.5
42.5°	326.0	386.5	455.5	532.5	620.2	707.6	794.4	875.7	952.0	1019.7	1081.5
40°	354.1	418.2	499.8	588.2	680.7	773.8	862.4	946.0	1019.7	1087.1	1149.6
37.5°	381.5	457.0	543.9	641.5	739.9	835.9	927.5	1007.5	1081.5	1149.6	1209.6
35°	407.5	494.0	590.7	693.1	796.5	894.1	983.3	1064.7	1138.2	1204.3	1265.6
32.5°	436.4	528.9	635.0	742.7	848.0	947.4	1035.8	1115.5	1188.5	1255.7	1316.6
30°	466.2	566.6	677.0	789.5	896.4	993.7	1081.9	1162.6	1235.0	1301.4	1361.0
27.5°	494.0	602.1	717.1	831.8	940.6	1037.0	1124.1	1203.5	1276.4	1343.1	1400.9
25°	519.7	635.0	754.3	870.5	977.9	1074.5	1162.3	1241.7	1314.1	1378.2	1434.4
22.5°	545.0	665.1	788.3	906.0	1012.1	1108.0	1195.0	1274.5	1347.1	1410.5	1464.5
20°	569.6	693.1	818.3	937.5	1043.1	1138.4	1224.8	1304.1	1374.7	1436.2	1490.0
17.5°	591.5	718.1	844.5	963.0	1068.7	1164.4	1251.1	1330.7	1399.6	1459.4	1511.9
15°	610.7	739.9	867.5	985.2	1090.6	1186.0	1272.7	1351.4	1419.8	1479.1	1531.3
12.5°	627.0	758.5	887.1	1004.3	1109.4	1204.4	1291.2	1368.8	1436.1	1494.6	1545.6
10°	640.4	773.8	903.3	1019.9	1124.9	1219.7	1306.4	1383.2	1449.6	1507.5	1557.6
7.5°	650.9	785.8	915.9	1032.2	1137.0	1231.6	1318.4	1394.5	1460.2	1517.6	1567.0
5°	658.4	794.4	924.9	1041.0	1145.7	1240.2	1327.1	1402.7	1467.8	1524.9	1573.8
2.5°	662.9	799.6	930.4	1046.3	1150.9	1245.4	1332.3	1407.6	1472.5	1529.3	1577.9
0°	664.4	801.3	932.2	1048.1	1152.7	1247.1	1334.0	1409.2	1474.0	1530.8	1579.3
-2.5°	662.9	799.6	930.4	1046.3	1150.9	1245.4	1332.3	1407.6	1472.5	1529.3	1577.9
-5°	658.4	794.4	924.9	1041.0	1145.7	1240.2	1327.1	1402.7	1467.8	1524.9	1573.8
-7.5°	650.9	785.8	915.9	1032.2	1137.0	1231.6	1318.4	1394.5	1460.2	1517.6	1567.0
-10°	640.4	773.8	903.3	1019.9	1124.9	1219.7	1306.4	1383.2	1449.6	1507.5	1557.6
-12.5°	627.0	758.5	887.1	1004.3	1109.4	1204.4	1291.2	1368.8	1436.1	1494.6	1545.6
-15°	610.7	739.9	867.5	985.2	1090.6	1186.0	1272.7	1351.4	1419.8	1479.1	1531.3
-17.5°	591.5	718.1	844.5	963.0	1068.7	1164.4	1251.1	1330.7	1399.6	1459.4	1511.9
-20°	569.6	693.1	818.3	937.5	1043.1	1138.4	1224.8	1304.1	1374.7	1436.2	1490.0

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Scaled Data Report



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	545.0	665.1	788.3	906.0	1012.1	1108.0	1195.0	1274.5	1347.1	1410.5	1464.5
-25°	519.7	635.0	754.3	870.5	977.9	1074.5	1162.3	1241.7	1314.1	1378.2	1434.4
-27.5°	494.0	602.1	717.1	831.8	940.6	1037.0	1124.1	1203.5	1276.4	1343.1	1400.9
-30°	466.2	566.6	677.0	789.5	896.4	993.7	1081.9	1162.6	1235.0	1301.4	1361.0
-32.5°	436.4	528.9	635.0	742.7	848.0	947.4	1035.8	1115.5	1188.5	1255.7	1316.6
-35°	407.5	494.0	590.7	693.1	796.5	894.1	983.3	1064.7	1138.2	1204.3	1265.6
-37.5°	381.5	457.0	543.9	641.5	739.9	835.9	927.5	1007.5	1081.5	1149.6	1209.6
-40°	354.1	418.2	499.8	588.2	680.7	773.8	862.4	946.0	1019.7	1087.1	1149.6
-42.5°	326.0	386.5	455.5	532.5	620.2	707.6	794.4	875.7	952.0	1019.7	1081.5
-45°	301.0	353.7	411.2	482.5	558.0	639.6	721.1	801.3	875.7	946.0	1007.5
-47.5°	275.1	321.2	374.2	430.9	498.9	570.8	646.2	721.1	794.4	862.4	927.5
-50°	249.6	291.9	336.0	386.6	441.7	504.3	570.8	639.6	707.6	773.8	835.9
-52.5°	227.7	261.6	302.0	344.2	390.8	441.7	498.9	558.0	620.2	680.7	739.9
-55°	205.1	235.6	268.4	305.4	344.2	386.6	430.9	482.5	532.5	588.2	641.5
-57.5°	185.5	210.4	238.3	268.4	302.0	336.0	374.2	411.2	455.5	499.8	543.9
-60°	167.5	187.5	210.4	235.6	261.6	291.9	321.2	353.7	386.5	418.2	457.0
-62.5°	149.4	167.5	185.5	205.1	227.7	249.6	275.1	301.0	326.0	354.1	381.5
-65°	132.8	147.7	163.5	179.5	195.2	214.6	233.9	252.5	274.4	296.1	316.7
-67.5°	116.0	129.4	142.5	155.6	169.7	183.3	196.5	213.1	229.2	244.5	260.2
-70°	98.2	110.7	122.4	133.8	144.8	156.0	167.7	179.0	189.8	201.2	214.2
-72.5°	80.1	91.0	101.7	112.1	121.8	131.2	140.2	148.9	157.9	166.9	175.5
-75°	62.7	71.2	80.3	89.2	97.9	106.3	114.3	121.8	128.9	135.7	142.2
-77.5°	45.9	53.0	60.0	66.7	73.4	80.4	87.1	93.6	99.8	105.7	111.4
-80°	30.9	34.8	40.3	45.7	50.9	56.0	60.8	65.5	70.1	74.6	79.1
-82.5°	19.2	22.1	25.0	27.8	30.5	33.1	35.9	39.4	42.8	46.0	49.0
-85°	8.7	9.4	11.3	13.1	14.9	16.7	18.4	20.0	21.5	23.0	24.4
-87.5°	4.3	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5
-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: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.1	9.2	9.3
85°	25.7	27.0	28.1	29.2	30.2	31.1	31.9	32.6	33.3	33.8	34.2
82.5°	51.9	54.6	57.2	59.5	61.7	63.7	65.4	67.0	68.4	69.5	70.5
80°	83.3	87.3	91.0	94.5	97.7	100.6	103.2	105.5	107.6	109.3	110.7
77.5°	116.5	121.3	125.8	130.0	133.8	137.3	140.4	143.2	145.6	147.7	149.4
75°	148.3	154.3	160.4	166.1	171.3	176.1	180.4	184.2	187.5	190.3	192.7
72.5°	183.7	191.3	199.0	207.8	215.8	223.1	229.8	235.6	240.8	245.1	248.7
70°	226.4	238.0	248.8	259.8	271.5	282.2	291.9	300.4	307.9	314.3	319.5
67.5°	277.8	294.3	309.8	324.2	339.2	353.7	366.8	378.5	388.7	397.3	404.5
65°	337.8	360.0	380.7	400.1	418.2	439.3	458.3	475.3	490.1	502.7	513.1
62.5°	407.5	436.4	466.2	494.0	519.7	545.0	569.6	591.5	610.7	627.0	640.4
60°	494.0	528.9	566.6	602.1	635.0	665.1	693.1	718.1	739.9	758.5	773.8
57.5°	590.7	635.0	677.0	717.1	754.3	788.3	818.3	844.5	867.5	887.1	903.3
55°	693.1	742.7	789.5	831.8	870.5	906.0	937.5	963.0	985.2	1004.3	1019.9
52.5°	796.5	848.0	896.4	940.6	977.9	1012.1	1043.1	1068.7	1090.6	1109.4	1124.9
50°	894.1	947.4	993.7	1037.0	1074.5	1108.0	1138.4	1164.4	1186.0	1204.4	1219.7
47.5°	983.3	1035.8	1081.9	1124.1	1162.3	1195.0	1224.8	1251.1	1272.7	1291.2	1306.4
45°	1064.7	1115.5	1162.6	1203.5	1241.7	1274.5	1304.1	1330.7	1351.4	1368.8	1383.2
42.5°	1138.2	1188.5	1235.0	1276.4	1314.1	1347.1	1374.7	1399.6	1419.8	1436.1	1449.6
40°	1204.3	1255.7	1301.4	1343.1	1378.2	1410.5	1436.2	1459.4	1479.1	1494.6	1507.5
37.5°	1265.6	1316.6	1361.0	1400.9	1434.4	1464.5	1490.0	1511.9	1531.3	1545.6	1557.6
35°	1321.7	1370.1	1414.0	1450.7	1483.9	1512.2	1537.2	1557.5	1575.5	1589.1	1600.0
32.5°	1370.1	1418.1	1459.0	1495.0	1527.4	1553.8	1577.8	1596.3	1612.6	1625.8	1635.9
30°	1414.0	1459.0	1498.8	1534.5	1564.0	1589.7	1611.3	1629.4	1644.5	1657.0	1665.9
27.5°	1450.7	1495.0	1534.5	1567.4	1595.6	1620.4	1640.1	1657.6	1670.8	1682.3	1690.0
25°	1483.9	1527.4	1564.0	1595.6	1623.0	1645.6	1664.5	1680.3	1692.0	1701.8	1707.5
22.5°	1512.2	1553.8	1589.7	1620.4	1645.6	1666.8	1684.5	1697.9	1707.4	1713.4	1716.8
20°	1537.2	1577.8	1611.3	1640.1	1664.5	1684.5	1699.9	1709.8	1716.4	1718.1	1719.0
17.5°	1557.5	1596.3	1629.4	1657.6	1680.3	1697.9	1709.8	1716.7	1718.7	1718.4	1717.5
15°	1575.5	1612.6	1644.5	1670.8	1692.0	1707.4	1716.4	1718.7	1718.2	1716.2	1713.1
12.5°	1589.1	1625.8	1657.0	1682.3	1701.8	1713.4	1718.1	1718.4	1716.2	1712.3	1707.9
10°	1600.0	1635.9	1665.9	1690.0	1707.5	1716.8	1719.0	1717.5	1713.1	1707.9	1703.0
7.5°	1608.6	1644.0	1673.0	1696.1	1711.2	1717.8	1718.3	1715.3	1710.0	1704.1	1698.9
5°	1614.9	1649.8	1678.2	1700.6	1714.0	1718.6	1717.8	1713.5	1707.5	1701.3	1696.5
2.5°	1618.6	1653.3	1681.3	1703.3	1715.6	1719.0	1717.5	1712.5	1705.8	1699.5	1694.9
0°	1619.9	1654.5	1682.4	1704.2	1716.2	1719.2	1717.4	1712.1	1705.3	1698.9	1694.4
-2.5°	1618.6	1653.3	1681.3	1703.3	1715.6	1719.0	1717.5	1712.5	1705.8	1699.5	1694.9
-5°	1614.9	1649.8	1678.2	1700.6	1714.0	1718.6	1717.8	1713.5	1707.5	1701.3	1696.5
-7.5°	1608.6	1644.0	1673.0	1696.1	1711.2	1717.8	1718.3	1715.3	1710.0	1704.1	1698.9
-10°	1600.0	1635.9	1665.9	1690.0	1707.5	1716.8	1719.0	1717.5	1713.1	1707.9	1703.0
-12.5°	1589.1	1625.8	1657.0	1682.3	1701.8	1713.4	1718.1	1718.4	1716.2	1712.3	1707.9
-15°	1575.5	1612.6	1644.5	1670.8	1692.0	1707.4	1716.4	1718.7	1718.2	1716.2	1713.1
-17.5°	1557.5	1596.3	1629.4	1657.6	1680.3	1697.9	1709.8	1716.7	1718.7	1718.4	1717.5
-20°	1537.2	1577.8	1611.3	1640.1	1664.5	1684.5	1699.9	1709.8	1716.4	1718.1	1719.0



REPORT NUMBER: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	1512.2	1553.8	1589.7	1620.4	1645.6	1666.8	1684.5	1697.9	1707.4	1713.4	1716.8
-25°	1483.9	1527.4	1564.0	1595.6	1623.0	1645.6	1664.5	1680.3	1692.0	1701.8	1707.5
-27.5°	1450.7	1495.0	1534.5	1567.4	1595.6	1620.4	1640.1	1657.6	1670.8	1682.3	1690.0
-30°	1414.0	1459.0	1498.8	1534.5	1564.0	1589.7	1611.3	1629.4	1644.5	1657.0	1665.9
-32.5°	1370.1	1418.1	1459.0	1495.0	1527.4	1553.8	1577.8	1596.3	1612.6	1625.8	1635.9
-35°	1321.7	1370.1	1414.0	1450.7	1483.9	1512.2	1537.2	1557.5	1575.5	1589.1	1600.0
-37.5°	1265.6	1316.6	1361.0	1400.9	1434.4	1464.5	1490.0	1511.9	1531.3	1545.6	1557.6
-40°	1204.3	1255.7	1301.4	1343.1	1378.2	1410.5	1436.2	1459.4	1479.1	1494.6	1507.5
-42.5°	1138.2	1188.5	1235.0	1276.4	1314.1	1347.1	1374.7	1399.6	1419.8	1436.1	1449.6
-45°	1064.7	1115.5	1162.6	1203.5	1241.7	1274.5	1304.1	1330.7	1351.4	1368.8	1383.2
-47.5°	983.3	1035.8	1081.9	1124.1	1162.3	1195.0	1224.8	1251.1	1272.7	1291.2	1306.4
-50°	894.1	947.4	993.7	1037.0	1074.5	1108.0	1138.4	1164.4	1186.0	1204.4	1219.7
-52.5°	796.5	848.0	896.4	940.6	977.9	1012.1	1043.1	1068.7	1090.6	1109.4	1124.9
-55°	693.1	742.7	789.5	831.8	870.5	906.0	937.5	963.0	985.2	1004.3	1019.9
-57.5°	590.7	635.0	677.0	717.1	754.3	788.3	818.3	844.5	867.5	887.1	903.3
-60°	494.0	528.9	566.6	602.1	635.0	665.1	693.1	718.1	739.9	758.5	773.8
-62.5°	407.5	436.4	466.2	494.0	519.7	545.0	569.6	591.5	610.7	627.0	640.4
-65°	337.8	360.0	380.7	400.1	418.2	439.3	458.3	475.3	490.1	502.7	513.1
-67.5°	277.8	294.3	309.8	324.2	339.2	353.7	366.8	378.5	388.7	397.3	404.5
-70°	226.4	238.0	248.8	259.8	271.5	282.2	291.9	300.4	307.9	314.3	319.5
-72.5°	183.7	191.3	199.0	207.8	215.8	223.1	229.8	235.6	240.8	245.1	248.7
-75°	148.3	154.3	160.4	166.1	171.3	176.1	180.4	184.2	187.5	190.3	192.7
-77.5°	116.5	121.3	125.8	130.0	133.8	137.3	140.4	143.2	145.6	147.7	149.4
-80°	83.3	87.3	91.0	94.5	97.7	100.6	103.2	105.5	107.6	109.3	110.7
-82.5°	51.9	54.6	57.2	59.5	61.7	63.7	65.4	67.0	68.4	69.5	70.5
-85°	25.7	27.0	28.1	29.2	30.2	31.1	31.9	32.6	33.3	33.8	34.2
-87.5°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.1	9.2	9.3
-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: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	9.3	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.1	9.0
85°	34.6	34.8	35.0	35.0	35.0	34.8	34.6	34.2	33.8	33.3	32.6
82.5°	71.2	71.8	72.1	72.2	72.1	71.8	71.2	70.5	69.5	68.4	67.0
80°	111.8	112.6	113.0	113.2	113.0	112.6	111.8	110.7	109.3	107.6	105.5
77.5°	150.7	151.6	152.2	152.4	152.2	151.6	150.7	149.4	147.7	145.6	143.2
75°	194.5	195.8	196.5	196.8	196.5	195.8	194.5	192.7	190.3	187.5	184.2
72.5°	251.5	253.5	254.7	255.1	254.7	253.5	251.5	248.7	245.1	240.8	235.6
70°	323.5	326.5	328.2	328.8	328.2	326.5	323.5	319.5	314.3	307.9	300.4
67.5°	410.0	414.0	416.4	417.2	416.4	414.0	410.0	404.5	397.3	388.7	378.5
65°	521.2	526.9	530.4	531.6	530.4	526.9	521.2	513.1	502.7	490.1	475.3
62.5°	650.9	658.4	662.9	664.4	662.9	658.4	650.9	640.4	627.0	610.7	591.5
60°	785.8	794.4	799.6	801.3	799.6	794.4	785.8	773.8	758.5	739.9	718.1
57.5°	915.9	924.9	930.4	932.2	930.4	924.9	915.9	903.3	887.1	867.5	844.5
55°	1032.2	1041.0	1046.3	1048.1	1046.3	1041.0	1032.2	1019.9	1004.3	985.2	963.0
52.5°	1137.0	1145.7	1150.9	1152.7	1150.9	1145.7	1137.0	1124.9	1109.4	1090.6	1068.7
50°	1231.6	1240.2	1245.4	1247.1	1245.4	1240.2	1231.6	1219.7	1204.4	1186.0	1164.4
47.5°	1318.4	1327.1	1332.3	1334.0	1332.3	1327.1	1318.4	1306.4	1291.2	1272.7	1251.1
45°	1394.5	1402.7	1407.6	1409.2	1407.6	1402.7	1394.5	1383.2	1368.8	1351.4	1330.7
42.5°	1460.2	1467.8	1472.5	1474.0	1472.5	1467.8	1460.2	1449.6	1436.1	1419.8	1399.6
40°	1517.6	1524.9	1529.3	1530.8	1529.3	1524.9	1517.6	1507.5	1494.6	1479.1	1459.4
37.5°	1567.0	1573.8	1577.9	1579.3	1577.9	1573.8	1567.0	1557.6	1545.6	1531.3	1511.9
35°	1608.6	1614.9	1618.6	1619.9	1618.6	1614.9	1608.6	1600.0	1589.1	1575.5	1557.5
32.5°	1644.0	1649.8	1653.3	1654.5	1653.3	1649.8	1644.0	1635.9	1625.8	1612.6	1596.3
30°	1673.0	1678.2	1681.3	1682.4	1681.3	1678.2	1673.0	1665.9	1657.0	1644.5	1629.4
27.5°	1696.1	1700.6	1703.3	1704.2	1703.3	1700.6	1696.1	1690.0	1682.3	1670.8	1657.6
25°	1711.2	1714.0	1715.6	1716.2	1715.6	1714.0	1711.2	1707.5	1701.8	1692.0	1680.3
22.5°	1717.8	1718.6	1719.0	1719.2	1719.0	1718.6	1717.8	1716.8	1713.4	1707.4	1697.9
20°	1718.3	1717.8	1717.5	1717.4	1717.5	1717.8	1718.3	1719.0	1718.1	1716.4	1709.8
17.5°	1715.3	1713.5	1712.5	1712.1	1712.5	1713.5	1715.3	1717.5	1718.4	1718.7	1716.7
15°	1710.0	1707.5	1705.8	1705.3	1705.8	1707.5	1710.0	1713.1	1716.2	1718.2	1718.7
12.5°	1704.1	1701.3	1699.5	1698.9	1699.5	1701.3	1704.1	1707.9	1712.3	1716.2	1718.4
10°	1698.9	1696.5	1694.9	1694.4	1694.9	1696.5	1698.9	1703.0	1707.9	1713.1	1717.5
7.5°	1695.5	1693.4	1692.2	1691.8	1692.2	1693.4	1695.5	1698.9	1704.1	1710.0	1715.3
5°	1693.4	1691.3	1689.5	1688.8	1689.5	1691.3	1693.4	1696.5	1701.3	1707.5	1713.5
2.5°	1692.2	1689.5	1686.8	1685.4	1686.8	1689.5	1692.2	1694.9	1699.5	1705.8	1712.5
0°	<b>1691.8</b>	<b>1688.8</b>	<b>1685.4</b>	<b>1685.8</b>	<b>1685.4</b>	<b>1688.8</b>	<b>1691.8</b>	<b>1694.4</b>	<b>1698.9</b>	<b>1705.3</b>	<b>1712.1</b>
-2.5°	1692.2	1689.5	1686.8	1685.4	1686.8	1689.5	1692.2	1694.9	1699.5	1705.8	1712.5
-5°	1693.4	1691.3	1689.5	1688.8	1689.5	1691.3	1693.4	1696.5	1701.3	1707.5	1713.5
-7.5°	1695.5	1693.4	1692.2	1691.8	1692.2	1693.4	1695.5	1698.9	1704.1	1710.0	1715.3
-10°	1698.9	1696.5	1694.9	1694.4	1694.9	1696.5	1698.9	1703.0	1707.9	1713.1	1717.5
-12.5°	1704.1	1701.3	1699.5	1698.9	1699.5	1701.3	1704.1	1707.9	1712.3	1716.2	1718.4
-15°	1710.0	1707.5	1705.8	1705.3	1705.8	1707.5	1710.0	1713.1	1716.2	1718.2	1718.7
-17.5°	1715.3	1713.5	1712.5	1712.1	1712.5	1713.5	1715.3	1717.5	1718.4	1718.7	1716.7
-20°	1718.3	1717.8	1717.5	1717.4	1717.5	1717.8	1718.3	1719.0	1718.1	1716.4	1709.8



REPORT NUMBER: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	1717.8	1718.6	1719.0	1719.2	1719.0	1718.6	1717.8	1716.8	1713.4	1707.4	1697.9
-25°	1711.2	1714.0	1715.6	1716.2	1715.6	1714.0	1711.2	1707.5	1701.8	1692.0	1680.3
-27.5°	1696.1	1700.6	1703.3	1704.2	1703.3	1700.6	1696.1	1690.0	1682.3	1670.8	1657.6
-30°	1673.0	1678.2	1681.3	1682.4	1681.3	1678.2	1673.0	1665.9	1657.0	1644.5	1629.4
-32.5°	1644.0	1649.8	1653.3	1654.5	1653.3	1649.8	1644.0	1635.9	1625.8	1612.6	1596.3
-35°	1608.6	1614.9	1618.6	1619.9	1618.6	1614.9	1608.6	1600.0	1589.1	1575.5	1557.5
-37.5°	1567.0	1573.8	1577.9	1579.3	1577.9	1573.8	1567.0	1557.6	1545.6	1531.3	1511.9
-40°	1517.6	1524.9	1529.3	1530.8	1529.3	1524.9	1517.6	1507.5	1494.6	1479.1	1459.4
-42.5°	1460.2	1467.8	1472.5	1474.0	1472.5	1467.8	1460.2	1449.6	1436.1	1419.8	1399.6
-45°	1394.5	1402.7	1407.6	1409.2	1407.6	1402.7	1394.5	1383.2	1368.8	1351.4	1330.7
-47.5°	1318.4	1327.1	1332.3	1334.0	1332.3	1327.1	1318.4	1306.4	1291.2	1272.7	1251.1
-50°	1231.6	1240.2	1245.4	1247.1	1245.4	1240.2	1231.6	1219.7	1204.4	1186.0	1164.4
-52.5°	1137.0	1145.7	1150.9	1152.7	1150.9	1145.7	1137.0	1124.9	1109.4	1090.6	1068.7
-55°	1032.2	1041.0	1046.3	1048.1	1046.3	1041.0	1032.2	1019.9	1004.3	985.2	963.0
-57.5°	915.9	924.9	930.4	932.2	930.4	924.9	915.9	903.3	887.1	867.5	844.5
-60°	785.8	794.4	799.6	801.3	799.6	794.4	785.8	773.8	758.5	739.9	718.1
-62.5°	650.9	658.4	662.9	664.4	662.9	658.4	650.9	640.4	627.0	610.7	591.5
-65°	521.2	526.9	530.4	531.6	530.4	526.9	521.2	513.1	502.7	490.1	475.3
-67.5°	410.0	414.0	416.4	417.2	416.4	414.0	410.0	404.5	397.3	388.7	378.5
-70°	323.5	326.5	328.2	328.8	328.2	326.5	323.5	319.5	314.3	307.9	300.4
-72.5°	251.5	253.5	254.7	255.1	254.7	253.5	251.5	248.7	245.1	240.8	235.6
-75°	194.5	195.8	196.5	196.8	196.5	195.8	194.5	192.7	190.3	187.5	184.2
-77.5°	150.7	151.6	152.2	152.4	152.2	151.6	150.7	149.4	147.7	145.6	143.2
-80°	111.8	112.6	113.0	113.2	113.0	112.6	111.8	110.7	109.3	107.6	105.5
-82.5°	71.2	71.8	72.1	72.2	72.1	71.8	71.2	70.5	69.5	68.4	67.0
-85°	34.6	34.8	35.0	35.0	35.0	34.8	34.6	34.2	33.8	33.3	32.6
-87.5°	9.3	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.1	9.0
-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: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	6.9	6.6
85°	31.9	31.1	30.2	29.2	28.1	27.0	25.7	24.4	23.0	21.5	20.0
82.5°	65.4	63.7	61.7	59.5	57.2	54.6	51.9	49.0	46.0	42.8	39.4
80°	103.2	100.6	97.7	94.5	91.0	87.3	83.3	79.1	74.6	70.1	65.5
77.5°	140.4	137.3	133.8	130.0	125.8	121.3	116.5	111.4	105.7	99.8	93.6
75°	180.4	176.1	171.3	166.1	160.4	154.3	148.3	142.2	135.7	128.9	121.8
72.5°	229.8	223.1	215.8	207.8	199.0	191.3	183.7	175.5	166.9	157.9	148.9
70°	291.9	282.2	271.5	259.8	248.8	238.0	226.4	214.2	201.2	189.8	179.0
67.5°	366.8	353.7	339.2	324.2	309.8	294.3	277.8	260.2	244.5	229.2	213.1
65°	458.3	439.3	418.2	400.1	380.7	360.0	337.8	316.7	296.1	274.4	252.5
62.5°	569.6	545.0	519.7	494.0	466.2	436.4	407.5	381.5	354.1	326.0	301.0
60°	693.1	665.1	635.0	602.1	566.6	528.9	494.0	457.0	418.2	386.5	353.7
57.5°	818.3	788.3	754.3	717.1	677.0	635.0	590.7	543.9	499.8	455.5	411.2
55°	937.5	906.0	870.5	831.8	789.5	742.7	693.1	641.5	588.2	532.5	482.5
52.5°	1043.1	1012.1	977.9	940.6	896.4	848.0	796.5	739.9	680.7	620.2	558.0
50°	1138.4	1108.0	1074.5	1037.0	993.7	947.4	894.1	835.9	773.8	707.6	639.6
47.5°	1224.8	1195.0	1162.3	1124.1	1081.9	1035.8	983.3	927.5	862.4	794.4	721.1
45°	1304.1	1274.5	1241.7	1203.5	1162.6	1115.5	1064.7	1007.5	946.0	875.7	801.3
42.5°	1374.7	1347.1	1314.1	1276.4	1235.0	1188.5	1138.2	1081.5	1019.7	952.0	875.7
40°	1436.2	1410.5	1378.2	1343.1	1301.4	1255.7	1204.3	1149.6	1087.1	1019.7	946.0
37.5°	1490.0	1464.5	1434.4	1400.9	1361.0	1316.6	1265.6	1209.6	1149.6	1081.5	1007.5
35°	1537.2	1512.2	1483.9	1450.7	1414.0	1370.1	1321.7	1265.6	1204.3	1138.2	1064.7
32.5°	1577.8	1553.8	1527.4	1495.0	1459.0	1418.1	1370.1	1316.6	1255.7	1188.5	1115.5
30°	1611.3	1589.7	1564.0	1534.5	1498.8	1459.0	1414.0	1361.0	1301.4	1235.0	1162.6
27.5°	1640.1	1620.4	1595.6	1567.4	1534.5	1495.0	1450.7	1400.9	1343.1	1276.4	1203.5
25°	1664.5	1645.6	1623.0	1595.6	1564.0	1527.4	1483.9	1434.4	1378.2	1314.1	1241.7
22.5°	1684.5	1666.8	1645.6	1620.4	1589.7	1553.8	1512.2	1464.5	1410.5	1347.1	1274.5
20°	1699.9	1684.5	1664.5	1640.1	1611.3	1577.8	1537.2	1490.0	1436.2	1374.7	1304.1
17.5°	1709.8	1697.9	1680.3	1657.6	1629.4	1596.3	1557.5	1511.9	1459.4	1399.6	1330.7
15°	1716.4	1707.4	1692.0	1670.8	1644.5	1612.6	1575.5	1531.3	1479.1	1419.8	1351.4
12.5°	1718.1	1713.4	1701.8	1682.3	1657.0	1625.8	1589.1	1545.6	1494.6	1436.1	1368.8
10°	1719.0	1716.8	1707.5	1690.0	1665.9	1635.9	1600.0	1557.6	1507.5	1449.6	1383.2
7.5°	1718.3	1717.8	1711.2	1696.1	1673.0	1644.0	1608.6	1567.0	1517.6	1460.2	1394.5
5°	1717.8	1718.6	1714.0	1700.6	1678.2	1649.8	1614.9	1573.8	1524.9	1467.8	1402.7
2.5°	1717.5	1719.0	1715.6	1703.3	1681.3	1653.3	1618.6	1577.9	1529.3	1472.5	1407.6
0°	1717.4	1719.2	1716.2	1704.2	1682.4	1654.5	1619.9	1579.3	1530.8	1474.0	1409.2
-2.5°	1717.5	1719.0	1715.6	1703.3	1681.3	1653.3	1618.6	1577.9	1529.3	1472.5	1407.6
-5°	1717.8	1718.6	1714.0	1700.6	1678.2	1649.8	1614.9	1573.8	1524.9	1467.8	1402.7
-7.5°	1718.3	1717.8	1711.2	1696.1	1673.0	1644.0	1608.6	1567.0	1517.6	1460.2	1394.5
-10°	1719.0	1716.8	1707.5	1690.0	1665.9	1635.9	1600.0	1557.6	1507.5	1449.6	1383.2
-12.5°	1718.1	1713.4	1701.8	1682.3	1657.0	1625.8	1589.1	1545.6	1494.6	1436.1	1368.8
-15°	1716.4	1707.4	1692.0	1670.8	1644.5	1612.6	1575.5	1531.3	1479.1	1419.8	1351.4
-17.5°	1709.8	1697.9	1680.3	1657.6	1629.4	1596.3	1557.5	1511.9	1459.4	1399.6	1330.7
-20°	1699.9	1684.5	1664.5	1640.1	1611.3	1577.8	1537.2	1490.0	1436.2	1374.7	1304.1



REPORT NUMBER: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-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°	1684.5	1666.8	1645.6	1620.4	1589.7	1553.8	1512.2	1464.5	1410.5	1347.1	1274.5
-25°	1664.5	1645.6	1623.0	1595.6	1564.0	1527.4	1483.9	1434.4	1378.2	1314.1	1241.7
-27.5°	1640.1	1620.4	1595.6	1567.4	1534.5	1495.0	1450.7	1400.9	1343.1	1276.4	1203.5
-30°	1611.3	1589.7	1564.0	1534.5	1498.8	1459.0	1414.0	1361.0	1301.4	1235.0	1162.6
-32.5°	1577.8	1553.8	1527.4	1495.0	1459.0	1418.1	1370.1	1316.6	1255.7	1188.5	1115.5
-35°	1537.2	1512.2	1483.9	1450.7	1414.0	1370.1	1321.7	1265.6	1204.3	1138.2	1064.7
-37.5°	1490.0	1464.5	1434.4	1400.9	1361.0	1316.6	1265.6	1209.6	1149.6	1081.5	1007.5
-40°	1436.2	1410.5	1378.2	1343.1	1301.4	1255.7	1204.3	1149.6	1087.1	1019.7	946.0
-42.5°	1374.7	1347.1	1314.1	1276.4	1235.0	1188.5	1138.2	1081.5	1019.7	952.0	875.7
-45°	1304.1	1274.5	1241.7	1203.5	1162.6	1115.5	1064.7	1007.5	946.0	875.7	801.3
-47.5°	1224.8	1195.0	1162.3	1124.1	1081.9	1035.8	983.3	927.5	862.4	794.4	721.1
-50°	1138.4	1108.0	1074.5	1037.0	993.7	947.4	894.1	835.9	773.8	707.6	639.6
-52.5°	1043.1	1012.1	977.9	940.6	896.4	848.0	796.5	739.9	680.7	620.2	558.0
-55°	937.5	906.0	870.5	831.8	789.5	742.7	693.1	641.5	588.2	532.5	482.5
-57.5°	818.3	788.3	754.3	717.1	677.0	635.0	590.7	543.9	499.8	455.5	411.2
-60°	693.1	665.1	635.0	602.1	566.6	528.9	494.0	457.0	418.2	386.5	353.7
-62.5°	569.6	545.0	519.7	494.0	466.2	436.4	407.5	381.5	354.1	326.0	301.0
-65°	458.3	439.3	418.2	400.1	380.7	360.0	337.8	316.7	296.1	274.4	252.5
-67.5°	366.8	353.7	339.2	324.2	309.8	294.3	277.8	260.2	244.5	229.2	213.1
-70°	291.9	282.2	271.5	259.8	248.8	238.0	226.4	214.2	201.2	189.8	179.0
-72.5°	229.8	223.1	215.8	207.8	199.0	191.3	183.7	175.5	166.9	157.9	148.9
-75°	180.4	176.1	171.3	166.1	160.4	154.3	148.3	142.2	135.7	128.9	121.8
-77.5°	140.4	137.3	133.8	130.0	125.8	121.3	116.5	111.4	105.7	99.8	93.6
-80°	103.2	100.6	97.7	94.5	91.0	87.3	83.3	79.1	74.6	70.1	65.5
-82.5°	65.4	63.7	61.7	59.5	57.2	54.6	51.9	49.0	46.0	42.8	39.4
-85°	31.9	31.1	30.2	29.2	28.1	27.0	25.7	24.4	23.0	21.5	20.0
-87.5°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	6.9	6.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645332 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-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°	6.3	6.0	5.7	5.4	5.0	4.7	4.3	4.0	3.6	3.2	2.8
85°	18.4	16.7	14.9	13.1	11.3	9.4	8.7	7.9	7.2	6.4	5.6
82.5°	35.9	33.1	30.5	27.8	25.0	22.1	19.2	16.2	13.1	10.0	8.5
80°	60.8	56.0	50.9	45.7	40.3	34.8	30.9	26.9	22.8	18.7	14.5
77.5°	87.1	80.4	73.4	66.7	60.0	53.0	45.9	38.7	32.5	27.3	22.0
75°	114.3	106.3	97.9	89.2	80.3	71.2	62.7	54.0	45.2	36.2	29.5
72.5°	140.2	131.2	121.8	112.1	101.7	91.0	80.1	69.2	58.9	48.4	37.8
70°	167.7	156.0	144.8	133.8	122.4	110.7	98.2	85.5	72.5	60.6	48.4
67.5°	196.5	183.3	169.7	155.6	142.5	129.4	116.0	101.8	87.3	72.5	58.9
65°	233.9	214.6	195.2	179.5	163.5	147.7	132.8	117.7	101.8	85.5	69.2
62.5°	275.1	249.6	227.7	205.1	185.5	167.5	149.4	132.8	116.0	98.2	80.1
60°	321.2	291.9	261.6	235.6	210.4	187.5	167.5	147.7	129.4	110.7	91.0
57.5°	374.2	336.0	302.0	268.4	238.3	210.4	185.5	163.5	142.5	122.4	101.7
55°	430.9	386.6	344.2	305.4	268.4	235.6	205.1	179.5	155.6	133.8	112.1
52.5°	498.9	441.7	390.8	344.2	302.0	261.6	227.7	195.2	169.7	144.8	121.8
50°	570.8	504.3	441.7	386.6	336.0	291.9	249.6	214.6	183.3	156.0	131.2
47.5°	646.2	570.8	498.9	430.9	374.2	321.2	275.1	233.9	196.5	167.7	140.2
45°	721.1	639.6	558.0	482.5	411.2	353.7	301.0	252.5	213.1	179.0	148.9
42.5°	794.4	707.6	620.2	532.5	455.5	386.5	326.0	274.4	229.2	189.8	157.9
40°	862.4	773.8	680.7	588.2	499.8	418.2	354.1	296.1	244.5	201.2	166.9
37.5°	927.5	835.9	739.9	641.5	543.9	457.0	381.5	316.7	260.2	214.2	175.5
35°	983.3	894.1	796.5	693.1	590.7	494.0	407.5	337.8	277.8	226.4	183.7
32.5°	1035.8	947.4	848.0	742.7	635.0	528.9	436.4	360.0	294.3	238.0	191.3
30°	1081.9	993.7	896.4	789.5	677.0	566.6	466.2	380.7	309.8	248.8	199.0
27.5°	1124.1	1037.0	940.6	831.8	717.1	602.1	494.0	400.1	324.2	259.8	207.8
25°	1162.3	1074.5	977.9	870.5	754.3	635.0	519.7	418.2	339.2	271.5	215.8
22.5°	1195.0	1108.0	1012.1	906.0	788.3	665.1	545.0	439.3	353.7	282.2	223.1
20°	1224.8	1138.4	1043.1	937.5	818.3	693.1	569.6	458.3	366.8	291.9	229.8
17.5°	1251.1	1164.4	1068.7	963.0	844.5	718.1	591.5	475.3	378.5	300.4	235.6
15°	1272.7	1186.0	1090.6	985.2	867.5	739.9	610.7	490.1	388.7	307.9	240.8
12.5°	1291.2	1204.4	1109.4	1004.3	887.1	758.5	627.0	502.7	397.3	314.3	245.1
10°	1306.4	1219.7	1124.9	1019.9	903.3	773.8	640.4	513.1	404.5	319.5	248.7
7.5°	1318.4	1231.6	1137.0	1032.2	915.9	785.8	650.9	521.2	410.0	323.5	251.5
5°	1327.1	1240.2	1145.7	1041.0	924.9	794.4	658.4	526.9	414.0	326.5	253.5
2.5°	1332.3	1245.4	1150.9	1046.3	930.4	799.6	662.9	530.4	416.4	328.2	254.7
0°	1334.0	1247.1	1152.7	1048.1	932.2	801.3	664.4	531.6	417.2	328.8	255.1
-2.5°	1332.3	1245.4	1150.9	1046.3	930.4	799.6	662.9	530.4	416.4	328.2	254.7
-5°	1327.1	1240.2	1145.7	1041.0	924.9	794.4	658.4	526.9	414.0	326.5	253.5
-7.5°	1318.4	1231.6	1137.0	1032.2	915.9	785.8	650.9	521.2	410.0	323.5	251.5
-10°	1306.4	1219.7	1124.9	1019.9	903.3	773.8	640.4	513.1	404.5	319.5	248.7
-12.5°	1291.2	1204.4	1109.4	1004.3	887.1	758.5	627.0	502.7	397.3	314.3	245.1
-15°	1272.7	1186.0	1090.6	985.2	867.5	739.9	610.7	490.1	388.7	307.9	240.8
-17.5°	1251.1	1164.4	1068.7	963.0	844.5	718.1	591.5	475.3	378.5	300.4	235.6
-20°	1224.8	1138.4	1043.1	937.5	818.3	693.1	569.6	458.3	366.8	291.9	229.8



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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°	1195.0	1108.0	1012.1	906.0	788.3	665.1	545.0	439.3	353.7	282.2	223.1
-25°	1162.3	1074.5	977.9	870.5	754.3	635.0	519.7	418.2	339.2	271.5	215.8
-27.5°	1124.1	1037.0	940.6	831.8	717.1	602.1	494.0	400.1	324.2	259.8	207.8
-30°	1081.9	993.7	896.4	789.5	677.0	566.6	466.2	380.7	309.8	248.8	199.0
-32.5°	1035.8	947.4	848.0	742.7	635.0	528.9	436.4	360.0	294.3	238.0	191.3
-35°	983.3	894.1	796.5	693.1	590.7	494.0	407.5	337.8	277.8	226.4	183.7
-37.5°	927.5	835.9	739.9	641.5	543.9	457.0	381.5	316.7	260.2	214.2	175.5
-40°	862.4	773.8	680.7	588.2	499.8	418.2	354.1	296.1	244.5	201.2	166.9
-42.5°	794.4	707.6	620.2	532.5	455.5	386.5	326.0	274.4	229.2	189.8	157.9
-45°	721.1	639.6	558.0	482.5	411.2	353.7	301.0	252.5	213.1	179.0	148.9
-47.5°	646.2	570.8	498.9	430.9	374.2	321.2	275.1	233.9	196.5	167.7	140.2
-50°	570.8	504.3	441.7	386.6	336.0	291.9	249.6	214.6	183.3	156.0	131.2
-52.5°	498.9	441.7	390.8	344.2	302.0	261.6	227.7	195.2	169.7	144.8	121.8
-55°	430.9	386.6	344.2	305.4	268.4	235.6	205.1	179.5	155.6	133.8	112.1
-57.5°	374.2	336.0	302.0	268.4	238.3	210.4	185.5	163.5	142.5	122.4	101.7
-60°	321.2	291.9	261.6	235.6	210.4	187.5	167.5	147.7	129.4	110.7	91.0
-62.5°	275.1	249.6	227.7	205.1	185.5	167.5	149.4	132.8	116.0	98.2	80.1
-65°	233.9	214.6	195.2	179.5	163.5	147.7	132.8	117.7	101.8	85.5	69.2
-67.5°	196.5	183.3	169.7	155.6	142.5	129.4	116.0	101.8	87.3	72.5	58.9
-70°	167.7	156.0	144.8	133.8	122.4	110.7	98.2	85.5	72.5	60.6	48.4
-72.5°	140.2	131.2	121.8	112.1	101.7	91.0	80.1	69.2	58.9	48.4	37.8
-75°	114.3	106.3	97.9	89.2	80.3	71.2	62.7	54.0	45.2	36.2	29.5
-77.5°	87.1	80.4	73.4	66.7	60.0	53.0	45.9	38.7	32.5	27.3	22.0
-80°	60.8	56.0	50.9	45.7	40.3	34.8	30.9	26.9	22.8	18.7	14.5
-82.5°	35.9	33.1	30.5	27.8	25.0	22.1	19.2	16.2	13.1	10.0	8.5
-85°	18.4	16.7	14.9	13.1	11.3	9.4	8.7	7.9	7.2	6.4	5.6
-87.5°	6.3	6.0	5.7	5.4	5.0	4.7	4.3	4.0	3.6	3.2	2.8
-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):**

	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°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
85°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
82.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
80°	10.2	8.1	6.5	4.9	3.3	1.6	0.0
77.5°	16.7	11.3	8.1	6.1	4.1	2.0	0.0
75°	23.1	16.7	10.2	7.3	4.9	2.4	0.0
72.5°	29.5	22.0	14.5	8.5	5.6	2.8	0.0
70°	36.2	27.3	18.7	10.0	6.4	3.2	0.0
67.5°	45.2	32.5	22.8	13.1	7.2	3.6	0.0
65°	54.0	38.7	26.9	16.2	7.9	4.0	0.0
62.5°	62.7	45.9	30.9	19.2	8.7	4.3	0.0
60°	71.2	53.0	34.8	22.1	9.4	4.7	0.0
57.5°	80.3	60.0	40.3	25.0	11.3	5.0	0.0
55°	89.2	66.7	45.7	27.8	13.1	5.4	0.0
52.5°	97.9	73.4	50.9	30.5	14.9	5.7	0.0
50°	106.3	80.4	56.0	33.1	16.7	6.0	0.0
47.5°	114.3	87.1	60.8	35.9	18.4	6.3	0.0
45°	121.8	93.6	65.5	39.4	20.0	6.6	0.0
42.5°	128.9	99.8	70.1	42.8	21.5	6.9	0.0
40°	135.7	105.7	74.6	46.0	23.0	7.2	0.0
37.5°	142.2	111.4	79.1	49.0	24.4	7.5	0.0
35°	148.3	116.5	83.3	51.9	25.7	7.7	0.0
32.5°	154.3	121.3	87.3	54.6	27.0	7.9	0.0
30°	160.4	125.8	91.0	57.2	28.1	8.1	0.0
27.5°	166.1	130.0	94.5	59.5	29.2	8.3	0.0
25°	171.3	133.8	97.7	61.7	30.2	8.5	0.0
22.5°	176.1	137.3	100.6	63.7	31.1	8.7	0.0
20°	180.4	140.4	103.2	65.4	31.9	8.8	0.0
17.5°	184.2	143.2	105.5	67.0	32.6	9.0	0.0
15°	187.5	145.6	107.6	68.4	33.3	9.1	0.0
12.5°	190.3	147.7	109.3	69.5	33.8	9.2	0.0
10°	192.7	149.4	110.7	70.5	34.2	9.3	0.0
7.5°	194.5	150.7	111.8	71.2	34.6	9.3	0.0
5°	195.8	151.6	112.6	71.8	34.8	9.4	0.0
2.5°	196.5	152.2	113.0	72.1	35.0	9.4	0.0
0°	196.8	152.4	113.2	72.2	35.0	9.4	0.0
-2.5°	196.5	152.2	113.0	72.1	35.0	9.4	0.0
-5°	195.8	151.6	112.6	71.8	34.8	9.4	0.0
-7.5°	194.5	150.7	111.8	71.2	34.6	9.3	0.0
-10°	192.7	149.4	110.7	70.5	34.2	9.3	0.0
-12.5°	190.3	147.7	109.3	69.5	33.8	9.2	0.0
-15°	187.5	145.6	107.6	68.4	33.3	9.1	0.0
-17.5°	184.2	143.2	105.5	67.0	32.6	9.0	0.0
-20°	180.4	140.4	103.2	65.4	31.9	8.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	176.1	137.3	100.6	63.7	31.1	8.7	0.0
-25°	171.3	133.8	97.7	61.7	30.2	8.5	0.0
-27.5°	166.1	130.0	94.5	59.5	29.2	8.3	0.0
-30°	160.4	125.8	91.0	57.2	28.1	8.1	0.0
-32.5°	154.3	121.3	87.3	54.6	27.0	7.9	0.0
-35°	148.3	116.5	83.3	51.9	25.7	7.7	0.0
-37.5°	142.2	111.4	79.1	49.0	24.4	7.5	0.0
-40°	135.7	105.7	74.6	46.0	23.0	7.2	0.0
-42.5°	128.9	99.8	70.1	42.8	21.5	6.9	0.0
-45°	121.8	93.6	65.5	39.4	20.0	6.6	0.0
-47.5°	114.3	87.1	60.8	35.9	18.4	6.3	0.0
-50°	106.3	80.4	56.0	33.1	16.7	6.0	0.0
-52.5°	97.9	73.4	50.9	30.5	14.9	5.7	0.0
-55°	89.2	66.7	45.7	27.8	13.1	5.4	0.0
-57.5°	80.3	60.0	40.3	25.0	11.3	5.0	0.0
-60°	71.2	53.0	34.8	22.1	9.4	4.7	0.0
-62.5°	62.7	45.9	30.9	19.2	8.7	4.3	0.0
-65°	54.0	38.7	26.9	16.2	7.9	4.0	0.0
-67.5°	45.2	32.5	22.8	13.1	7.2	3.6	0.0
-70°	36.2	27.3	18.7	10.0	6.4	3.2	0.0
-72.5°	29.5	22.0	14.5	8.5	5.6	2.8	0.0
-75°	23.1	16.7	10.2	7.3	4.9	2.4	0.0
-77.5°	16.7	11.3	8.1	6.1	4.1	2.0	0.0
-80°	10.2	8.1	6.5	4.9	3.3	1.6	0.0
-82.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
-85°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
-87.5°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)