

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: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-940-U-WAF-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA1D-940-U-WAF-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (16) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

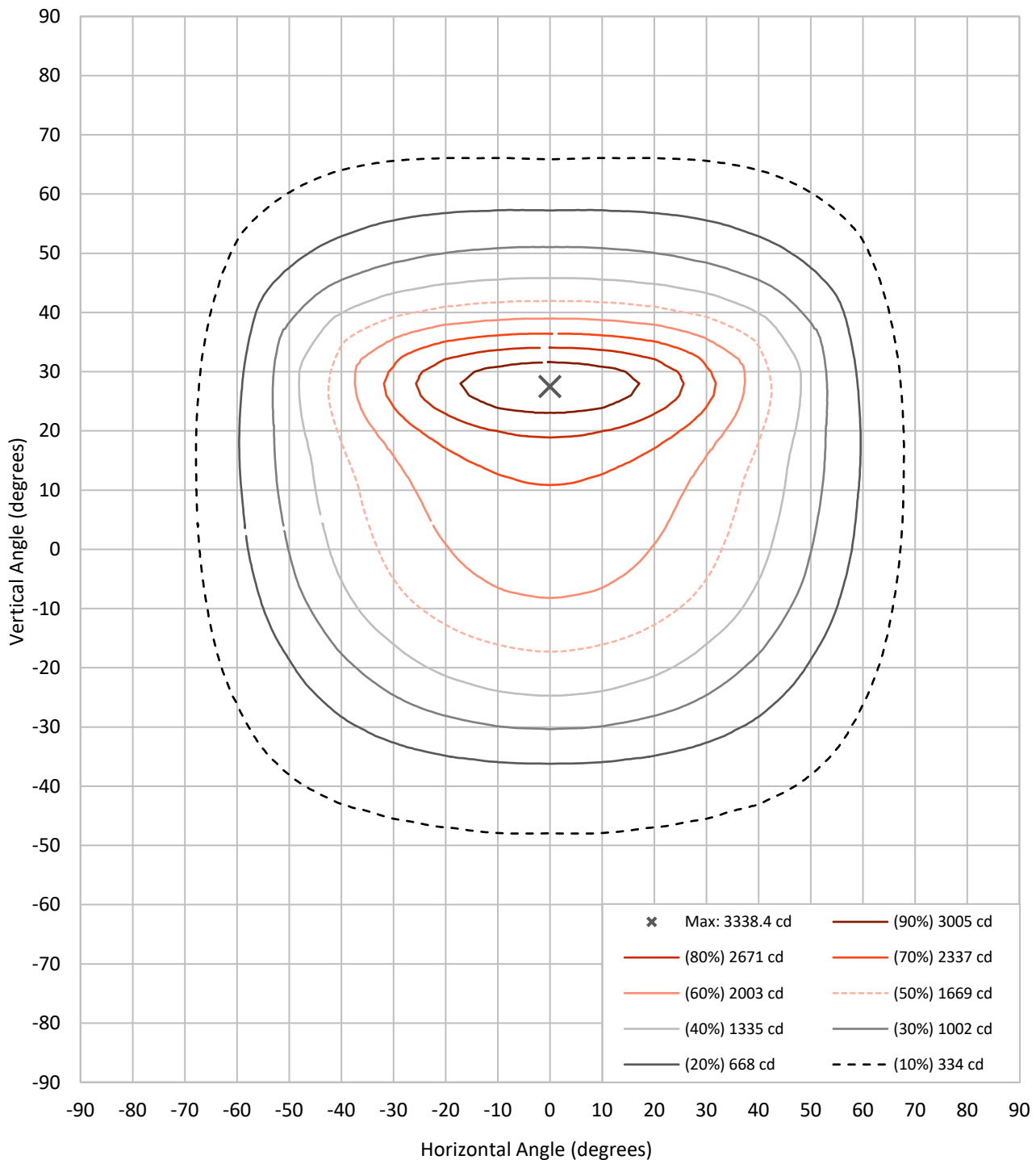
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	4866.8 lumens	Max Intensity:	3338.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	88.5 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	2524.2 lumens	Field Lumens:	4502.2 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%
Input Watts (W):	55		
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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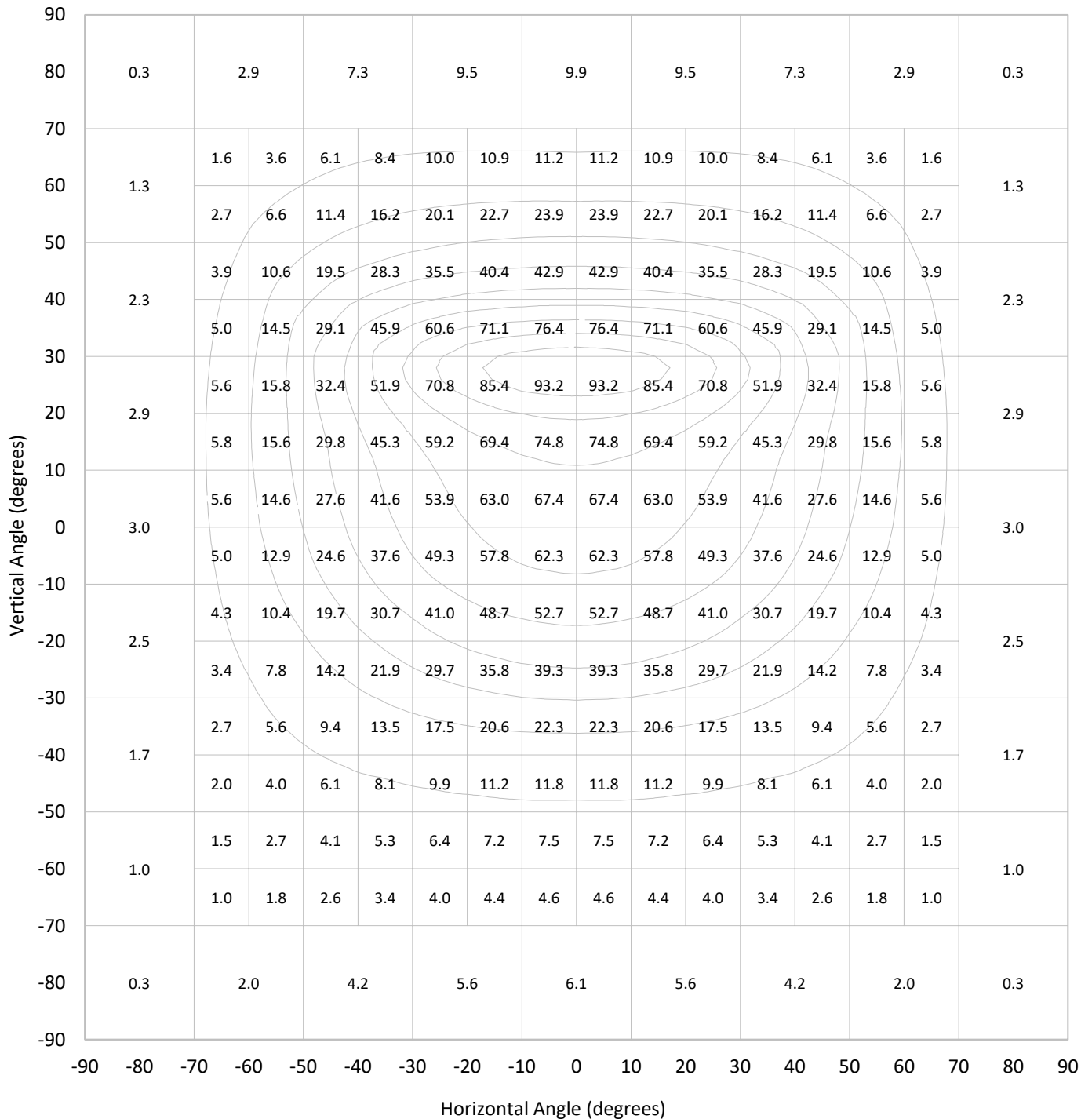
### Iso-Candela Plot





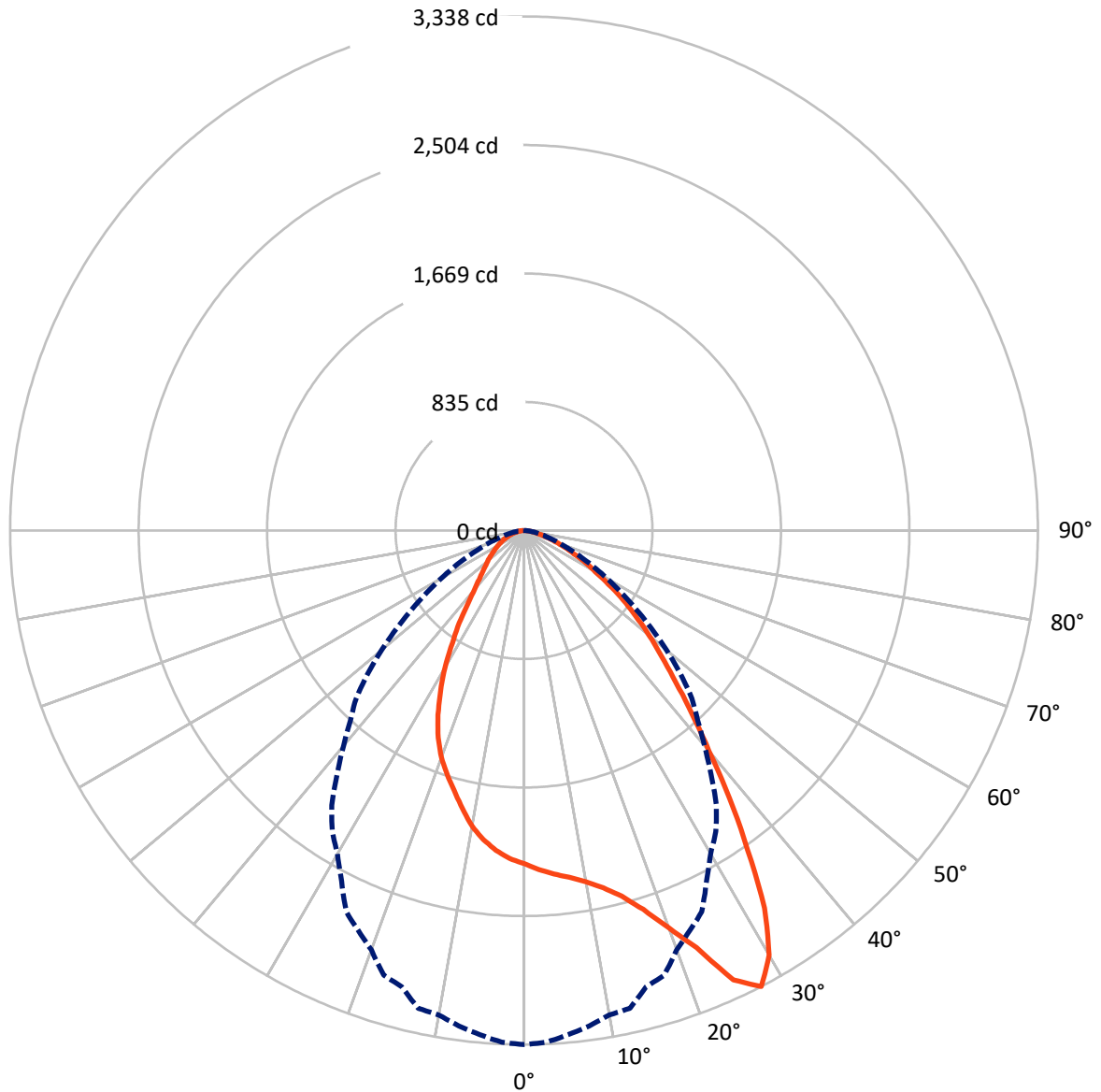
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### Lumen Table



REPORT NUMBER: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
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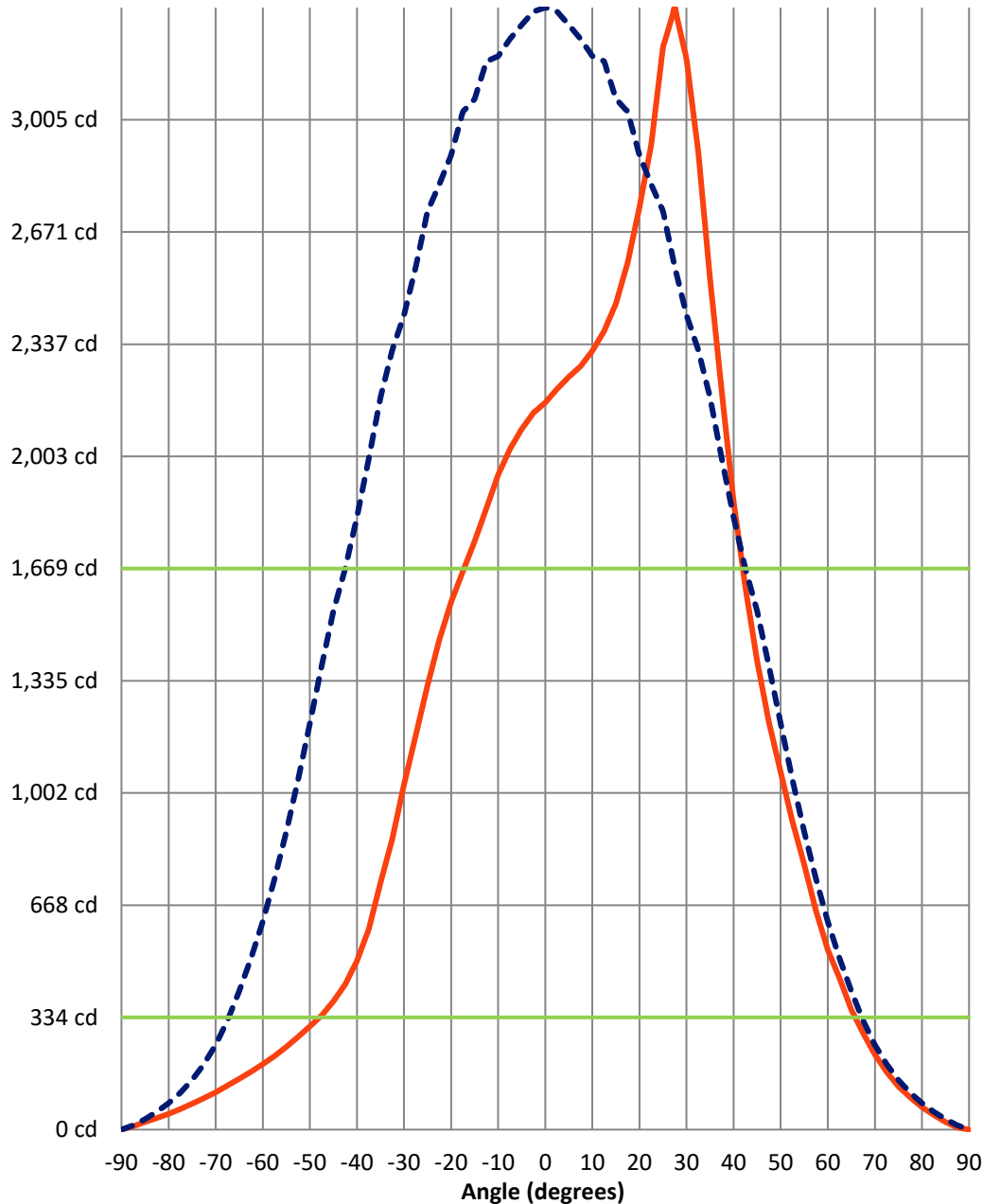
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through 27.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 85°  
 V Angle: 59.2°  
 Lumens: 2524.2  
 Efficiency: 51.9%

**Field:**  
 H Angle: 134.5°  
 V Angle: 113.8°  
 Lumens: 4502.2  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 364.6  
 Efficiency: 7.5%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 27.5-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	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.8	5.4	5.9
85°	0.0	1.3	2.6	3.9	5.1	6.3	7.4	8.6	9.7	10.7	11.7
82.5°	0.0	1.9	3.9	5.8	7.6	9.4	11.2	12.9	14.8	18.0	21.4
80°	0.0	2.5	5.2	7.7	10.1	12.5	15.2	19.4	23.8	28.4	33.1
77.5°	0.0	3.2	6.4	9.6	12.6	16.3	21.5	27.0	32.7	38.6	45.5
75°	0.0	3.8	7.7	11.5	15.4	21.4	27.8	34.5	41.7	50.9	60.2
72.5°	0.0	4.4	8.9	13.3	19.2	26.4	34.0	42.5	52.9	63.7	74.7
70°	0.0	5.0	10.2	15.3	23.1	31.3	40.3	51.9	63.9	76.3	90.7
67.5°	0.0	5.6	11.4	18.0	26.8	36.1	48.0	61.2	74.8	90.8	107.0
65°	0.0	6.2	12.5	20.7	30.4	41.4	55.5	70.3	87.3	105.0	123.7
62.5°	0.0	6.7	13.7	23.3	34.0	47.2	62.7	80.4	99.5	119.3	142.2
60°	0.0	7.3	14.8	25.8	37.4	52.9	69.7	90.7	111.4	135.1	160.1
57.5°	0.0	7.8	16.4	28.3	41.6	58.2	77.6	100.6	124.3	150.4	180.6
55°	0.0	8.4	18.0	30.6	45.6	63.4	85.2	109.9	137.1	165.8	201.5
52.5°	0.0	8.9	19.4	32.9	49.4	68.5	92.5	119.7	149.3	183.0	221.2
50°	0.0	9.4	20.9	35.1	53.0	74.0	99.3	129.0	161.7	199.2	244.8
47.5°	0.0	9.9	22.3	37.3	56.5	79.2	105.8	137.7	174.8	214.3	267.3
45°	0.0	10.3	23.6	39.7	59.7	84.1	112.6	145.7	186.3	232.6	288.0
42.5°	0.0	10.7	24.9	42.0	62.8	88.6	118.9	154.1	196.8	249.4	311.3
40°	0.0	11.2	26.1	44.2	65.9	92.8	124.6	162.5	207.4	264.5	333.2
37.5°	0.0	11.5	27.2	46.2	68.9	96.5	129.7	170.2	218.9	278.4	352.7
35°	0.0	11.9	28.3	48.1	71.8	100.3	134.3	177.0	229.0	293.1	371.1
32.5°	0.0	12.3	29.3	49.9	74.3	103.8	138.8	183.1	237.7	305.7	387.5
30°	0.0	12.6	30.2	51.6	76.6	106.9	143.5	188.7	245.1	316.1	401.2
27.5°	0.0	12.9	31.1	53.1	78.7	109.6	147.6	194.6	251.9	324.5	412.0
25°	0.0	13.1	31.9	54.5	80.7	111.9	151.0	199.4	258.6	332.2	420.1
22.5°	0.0	13.4	32.6	55.7	82.3	113.8	153.8	203.1	263.6	338.4	427.0
20°	0.0	13.6	33.2	56.8	83.7	115.8	156.0	205.8	267.0	342.4	431.5
17.5°	0.0	13.8	33.8	57.7	84.8	117.4	158.0	207.5	268.9	344.3	433.6
15°	0.0	14.0	34.2	58.5	85.6	118.7	159.6	208.6	269.2	344.2	433.3
12.5°	0.0	14.1	34.6	59.1	86.3	119.6	160.5	209.5	269.2	342.1	430.7
10°	0.0	14.2	34.9	59.6	86.6	120.1	160.9	209.5	268.8	341.1	426.8
7.5°	0.0	14.3	35.2	59.9	86.7	120.4	160.7	208.8	267.2	338.9	422.5
5°	0.0	14.4	35.3	60.1	86.6	120.3	160.0	207.3	264.5	335.3	416.0
2.5°	0.0	14.4	35.4	60.2	86.3	119.9	158.8	205.2	260.8	330.3	407.6
0°	0.0	14.4	35.4	60.1	85.8	119.1	157.1	202.3	256.2	324.0	397.5
-2.5°	0.0	14.4	35.3	59.8	85.4	118.0	155.3	199.3	251.7	317.0	387.3
-5°	0.0	14.4	35.2	59.4	84.8	116.6	153.1	195.8	246.4	308.9	375.8
-7.5°	0.0	14.4	34.9	58.9	84.0	114.8	150.4	191.7	240.3	299.9	363.1
-10°	0.0	14.3	34.6	58.2	83.0	112.9	147.4	187.1	233.6	289.9	349.5
-12.5°	0.0	14.2	34.2	57.4	81.8	110.6	144.0	182.1	226.3	279.2	336.1
-15°	0.0	14.1	33.8	56.4	80.4	108.2	140.3	176.6	218.8	268.8	322.4
-17.5°	0.0	13.9	33.2	55.4	78.9	105.6	136.3	171.1	211.2	257.7	308.0
-20°	0.0	13.8	32.6	54.2	77.1	102.7	132.1	165.6	203.3	246.2	293.0



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 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.6	32.0	52.9	75.2	99.7	127.8	159.7	195.0	234.3	277.6
-25°	0.0	13.3	31.2	51.5	73.2	96.7	123.4	153.4	186.4	222.0	261.8
-27.5°	0.0	13.1	30.4	50.0	70.9	93.6	118.7	146.8	177.6	210.2	246.8
-30°	0.0	12.8	29.6	48.4	68.6	90.2	113.8	139.8	169.1	199.3	231.9
-32.5°	0.0	12.5	28.7	46.7	66.1	86.7	108.7	133.4	160.6	188.5	217.0
-35°	0.0	12.1	27.7	45.0	63.5	83.0	104.0	127.0	151.9	177.6	202.2
-37.5°	0.0	11.8	26.7	43.1	60.8	79.3	99.3	120.5	142.9	166.8	190.1
-40°	0.0	11.4	25.7	41.1	58.0	75.7	94.4	113.9	133.8	156.3	178.6
-42.5°	0.0	11.0	24.6	39.1	55.2	72.0	89.3	107.2	125.5	146.1	166.8
-45°	0.0	10.6	23.4	37.0	52.4	68.2	84.1	100.7	117.8	135.9	155.0
-47.5°	0.0	10.1	22.2	34.9	49.5	64.3	78.8	94.5	110.0	125.7	143.7
-50°	0.0	9.6	21.0	32.9	46.5	60.2	73.9	88.2	102.4	117.1	132.5
-52.5°	0.0	9.1	19.7	31.0	43.4	56.1	69.0	81.7	95.0	108.4	121.5
-55°	0.0	8.6	18.4	29.0	40.2	52.2	64.1	75.3	87.6	99.5	111.7
-57.5°	0.0	8.1	17.1	27.0	37.0	48.1	59.0	69.5	80.1	91.0	101.8
-60°	0.0	7.5	15.7	24.9	33.7	44.0	54.0	63.7	72.7	82.5	92.0
-62.5°	0.0	7.0	14.5	22.8	30.9	39.8	49.0	57.8	66.0	74.0	82.7
-65°	0.0	6.4	13.3	20.7	28.1	35.6	44.0	51.8	59.2	66.3	73.3
-67.5°	0.0	5.8	12.1	18.5	25.2	31.6	38.9	46.0	52.4	58.8	64.7
-70°	0.0	5.2	10.8	16.2	22.2	28.0	33.7	40.1	45.9	51.2	56.5
-72.5°	0.0	4.5	9.5	14.2	19.2	24.3	29.2	34.2	39.4	44.1	48.3
-75°	0.0	3.9	8.2	12.2	16.2	20.6	24.8	28.9	32.8	37.0	40.7
-77.5°	0.0	3.3	6.9	10.2	13.5	16.9	20.4	23.9	27.1	30.1	33.2
-80°	0.0	2.6	5.5	8.2	10.8	13.4	15.9	18.8	21.5	24.0	26.3
-82.5°	0.0	2.0	4.1	6.2	8.1	10.1	11.9	13.9	15.8	17.8	19.6
-85°	0.0	1.3	2.8	4.1	5.4	6.7	8.0	9.3	10.5	11.8	13.0
-87.5°	0.0	0.7	1.4	2.1	2.7	3.4	4.0	4.6	5.3	5.9	6.5
-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: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-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°	6.2	6.4	6.6	6.8	7.0	7.3	7.5	7.6	7.8	7.9	8.0
85°	12.4	12.9	14.4	15.8	17.3	18.7	19.9	21.0	21.9	22.6	23.1
82.5°	24.1	26.7	29.1	31.4	33.5	35.3	37.1	39.2	40.9	42.3	43.4
80°	36.9	40.5	44.7	48.7	52.3	55.7	58.7	61.4	63.5	65.7	67.7
77.5°	51.9	57.6	62.9	67.8	72.5	78.1	83.2	87.9	91.5	94.2	96.3
75°	68.1	74.8	82.5	90.2	97.4	104.0	110.4	118.3	124.6	129.4	133.3
72.5°	85.3	95.0	104.4	113.6	124.1	134.4	144.4	154.0	162.5	168.7	173.7
70°	103.9	115.2	128.2	141.4	154.0	166.9	180.7	193.2	203.5	210.8	217.8
67.5°	122.9	138.7	154.1	170.0	188.0	204.3	219.3	235.1	249.1	258.3	266.3
65°	144.8	162.5	183.1	204.1	223.8	244.3	263.3	280.4	298.0	310.8	321.3
62.5°	165.9	190.8	215.1	239.7	264.5	286.8	311.6	333.6	351.3	369.6	385.3
60°	191.0	220.6	250.4	280.1	307.9	339.1	366.3	391.9	415.6	436.0	455.3
57.5°	216.0	254.2	289.5	324.4	361.1	394.6	426.5	455.2	483.5	507.1	530.2
55°	242.4	291.5	332.3	375.4	415.8	453.5	489.4	525.4	555.5	588.0	616.3
52.5°	271.6	327.8	380.4	427.9	473.4	517.0	559.9	603.2	645.5	679.2	711.1
50°	298.9	365.9	429.3	483.4	535.7	587.4	641.0	695.1	741.8	780.3	813.6
47.5°	329.0	401.4	481.8	541.6	604.5	668.6	733.6	793.4	844.2	896.6	933.4
45°	358.4	437.2	524.5	607.5	680.2	757.8	829.4	895.4	969.0	1026.3	1075.4
42.5°	385.1	471.2	568.3	674.0	764.9	848.2	925.7	1018.5	1103.0	1170.0	1231.3
40°	412.7	502.0	608.1	735.7	849.3	938.2	1032.6	1135.1	1245.2	1327.6	1400.8
37.5°	437.9	533.6	644.6	782.8	932.4	1030.2	1134.5	1245.8	1371.3	1495.2	1583.3
35°	460.2	560.4	680.7	821.2	974.3	1119.3	1229.7	1348.2	1485.5	1646.3	1766.6
32.5°	480.4	582.2	709.4	851.1	1006.4	1176.4	1316.5	1438.1	1575.9	1741.8	1946.1
30°	496.8	603.4	730.8	872.7	1028.5	1197.8	1375.6	1508.2	1638.9	1801.8	1991.9
27.5°	509.3	618.9	745.5	886.2	1040.3	1207.8	1378.8	1542.3	1668.9	1822.1	1995.0
25°	518.9	631.6	753.3	891.2	1042.0	1203.4	1367.9	1522.7	1664.8	1799.9	1955.0
22.5°	526.8	640.3	761.9	887.8	1034.2	1187.9	1342.7	1490.2	1627.8	1754.2	1887.6
20°	532.8	646.0	766.2	891.1	1021.0	1162.7	1310.7	1451.2	1584.0	1706.5	1815.1
17.5°	535.5	647.6	766.2	890.5	1018.8	1142.7	1271.6	1406.6	1537.2	1658.9	1766.2
15°	535.0	645.5	761.9	885.7	1012.1	1134.9	1253.7	1365.0	1486.6	1609.6	1716.5
12.5°	531.4	639.6	753.7	876.9	1001.2	1122.6	1239.2	1351.0	1460.0	1563.0	1665.2
10°	525.0	630.3	741.5	863.9	986.2	1105.8	1220.9	1333.1	1441.0	1542.1	1637.3
7.5°	518.4	619.8	726.8	847.0	967.1	1084.6	1198.6	1311.0	1416.8	1517.7	1613.8
5°	509.6	608.7	715.6	830.7	946.5	1061.1	1172.7	1284.6	1387.6	1489.4	1585.9
2.5°	498.6	595.0	701.5	811.0	923.5	1036.9	1144.8	1254.5	1360.1	1457.9	1553.0
0°	485.3	578.7	684.5	787.7	896.6	1008.6	1112.3	1219.6	1329.5	1421.9	1514.9
-2.5°	470.8	559.2	659.7	762.4	867.6	977.4	1083.8	1185.5	1293.0	1386.4	1481.3
-5°	454.6	537.7	632.3	733.9	835.2	942.3	1050.6	1147.3	1250.1	1342.5	1435.7
-7.5°	436.9	514.5	602.7	701.8	798.4	899.3	1001.9	1095.0	1194.8	1286.2	1377.1
-10°	418.2	491.5	573.9	665.5	756.6	850.7	947.1	1038.2	1134.2	1225.2	1312.7
-12.5°	400.3	468.9	544.2	627.5	712.5	799.4	889.1	977.0	1068.1	1159.5	1241.3
-15°	381.5	445.1	513.5	588.2	666.5	746.0	828.3	911.6	997.0	1086.5	1162.1
-17.5°	362.1	420.4	482.2	548.0	618.8	690.8	766.5	846.9	925.1	1006.6	1079.7
-20°	342.2	395.0	450.6	507.3	570.2	639.3	710.1	782.2	853.3	924.3	992.9



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 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	322.1	369.0	419.7	469.5	529.4	591.8	653.9	716.5	780.2	841.3	906.3
-25°	302.7	344.9	389.6	438.1	489.5	544.5	597.9	650.8	707.3	764.6	820.5
-27.5°	283.9	321.2	363.4	406.7	449.4	498.4	545.1	590.0	639.3	689.8	734.9
-30°	265.1	300.5	337.5	375.9	413.5	454.4	494.8	534.1	574.3	617.5	656.7
-32.5°	247.7	280.0	313.6	347.3	379.2	410.9	448.3	483.2	516.1	546.9	581.1
-35°	231.7	261.4	290.6	319.6	345.9	373.8	405.0	434.5	460.9	485.6	511.7
-37.5°	216.7	243.1	267.7	293.7	317.0	340.9	363.8	389.3	410.8	430.5	451.9
-40°	201.6	225.2	247.4	269.1	290.5	310.4	330.0	347.3	364.6	383.6	398.3
-42.5°	186.7	208.7	228.5	245.2	265.4	282.6	297.8	312.1	326.2	341.0	352.8
-45°	173.6	192.3	210.4	226.3	241.5	256.2	269.1	280.3	293.7	303.9	312.9
-47.5°	160.4	176.6	193.1	207.8	220.5	232.4	242.1	253.4	264.3	273.1	278.3
-50°	147.4	162.2	176.2	189.9	201.4	211.0	219.2	228.6	237.7	245.2	250.1
-52.5°	135.4	147.8	160.8	172.4	183.0	191.6	199.5	207.6	214.2	219.4	225.9
-55°	123.6	135.0	145.8	156.3	165.4	173.2	180.9	188.1	193.8	198.3	203.6
-57.5°	112.5	122.7	132.2	141.0	149.1	155.9	163.4	169.6	174.9	179.0	184.5
-60°	101.6	110.8	119.4	127.1	133.7	140.4	146.6	152.2	156.8	161.0	166.0
-62.5°	90.8	99.1	106.9	113.9	120.0	125.5	131.1	135.9	139.8	144.0	148.2
-65°	80.7	87.7	94.5	100.9	106.7	111.9	116.5	120.4	124.0	127.8	131.2
-67.5°	70.7	77.2	82.9	88.0	93.3	98.4	102.6	106.2	109.2	112.3	115.2
-70°	61.7	66.9	72.0	76.6	80.7	84.9	89.0	92.4	95.1	97.6	99.9
-72.5°	52.8	57.4	61.7	65.6	69.3	72.7	76.0	79.0	81.6	83.5	85.1
-75°	44.4	48.0	51.7	55.1	58.1	60.7	63.2	65.7	67.8	69.4	70.7
-77.5°	36.3	39.4	42.2	44.8	47.0	49.1	51.0	52.8	54.4	55.6	56.6
-80°	28.5	30.7	33.0	35.2	36.8	38.2	39.5	40.5	41.7	42.9	44.0
-82.5°	21.2	22.8	24.3	25.8	27.0	27.9	28.8	29.6	30.4	31.2	31.9
-85°	14.0	14.9	15.8	16.7	17.6	18.4	19.1	19.6	20.1	20.5	20.8
-87.5°	7.0	7.4	7.9	8.3	8.7	9.1	9.5	9.8	10.0	10.2	10.4
-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: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-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°	8.0	8.0	8.0	8.0	7.9	7.6	7.2	6.9	6.5	6.7	6.8
85°	23.5	23.6	23.6	23.3	22.9	22.9	22.8	22.7	22.5	22.8	23.1
82.5°	44.3	44.6	44.7	44.5	44.0	44.2	44.3	44.2	43.9	44.3	44.5
80°	69.3	69.9	69.9	69.5	68.5	68.7	68.7	68.5	68.1	68.2	68.2
77.5°	98.7	100.2	100.7	100.5	99.6	99.3	98.6	97.2	95.3	95.2	95.3
75°	136.2	137.7	138.5	138.5	137.5	136.9	136.1	134.5	132.4	132.3	132.3
72.5°	177.5	179.8	180.8	181.8	181.7	181.4	180.3	178.0	174.6	174.2	174.6
70°	223.2	227.1	229.5	231.4	232.9	233.2	232.5	230.6	227.6	226.8	226.6
67.5°	274.1	280.3	284.9	288.1	291.0	293.1	293.9	293.0	290.6	289.8	290.1
65°	331.2	340.7	348.5	354.4	358.4	361.1	363.6	365.0	365.4	366.2	367.3
62.5°	397.9	409.5	420.4	427.8	431.7	434.4	442.2	446.7	448.0	448.3	450.0
60°	472.3	487.0	500.6	511.5	520.4	527.0	533.7	538.1	539.7	540.1	542.5
57.5°	553.7	572.2	588.1	605.0	616.8	623.6	632.5	641.7	646.5	647.8	653.5
55°	643.7	668.9	689.6	707.7	724.1	738.6	750.9	760.3	767.3	771.5	779.0
52.5°	743.2	772.9	794.5	815.7	839.3	856.0	866.9	884.4	897.0	904.0	912.9
50°	852.6	885.6	915.0	937.3	964.8	987.5	1004.1	1020.7	1032.2	1038.9	1047.5
47.5°	977.0	1017.7	1051.8	1072.4	1104.3	1131.1	1142.0	1154.5	1176.3	1186.8	1196.0
45°	1117.1	1169.0	1206.9	1239.2	1266.6	1296.7	1316.4	1330.6	1352.1	1362.9	1369.7
42.5°	1283.8	1341.6	1391.5	1430.3	1453.4	1492.3	1520.8	1528.7	1559.2	1579.9	1586.0
40°	1470.8	1534.8	1600.7	1644.9	1682.0	1721.6	1768.5	1794.6	1820.3	1840.6	1845.2
37.5°	1665.6	1751.3	1826.5	1883.6	1944.9	2003.3	2053.0	2080.1	2097.1	2135.8	2150.2
35°	1863.7	1952.1	2057.4	2146.1	2220.5	2292.6	2349.3	2394.0	2436.5	2471.3	2492.2
32.5°	2032.3	2127.5	2257.6	2390.3	2470.6	2548.7	2641.8	2692.9	2749.6	2795.6	2829.2
30°	2170.9	2261.4	2379.8	2546.4	2656.4	2735.5	2853.3	2924.0	2985.8	3063.7	3090.8
27.5°	2177.5	2318.9	2423.6	2567.1	2732.1	2812.4	2899.6	3028.0	3066.9	3178.0	3194.0
25°	2120.3	2268.8	2376.5	2496.2	2633.3	2731.0	2810.7	2917.5	2973.4	3044.9	3099.7
22.5°	2030.9	2161.8	2271.6	2373.1	2480.2	2569.1	2642.0	2717.0	2778.4	2833.8	2885.3
20°	1932.2	2056.5	2160.5	2247.9	2332.7	2415.1	2480.7	2543.7	2596.8	2644.4	2673.7
17.5°	1862.7	1952.1	2058.4	2147.9	2221.4	2286.1	2353.9	2406.7	2453.2	2496.0	2522.8
15°	1815.2	1900.2	1975.9	2058.1	2135.5	2197.2	2248.2	2302.7	2342.9	2379.8	2408.8
12.5°	1765.9	1853.5	1932.8	2001.2	2061.8	2129.2	2183.7	2226.5	2268.7	2297.7	2327.5
10°	1724.8	1806.7	1888.9	1961.1	2024.9	2080.5	2132.1	2180.1	2218.0	2250.5	2273.9
7.5°	1700.9	1781.2	1855.1	1924.4	1986.6	2045.8	2099.1	2143.1	2180.6	2214.2	2238.8
5°	1673.2	1752.7	1826.5	1897.3	1957.0	2013.9	2067.0	2112.3	2151.1	2181.0	2204.6
2.5°	1641.5	1719.9	1793.5	1865.4	1925.2	1980.0	2030.2	2074.4	2114.8	2143.4	2163.4
0°	1605.3	1683.8	1755.7	1823.5	1883.6	1942.7	1988.9	2033.5	2073.1	2101.3	2121.4
-2.5°	1568.8	1646.9	1721.3	1786.3	1845.8	1900.4	1949.6	1991.8	2029.5	2057.7	2075.2
-5°	1520.2	1597.9	1671.3	1736.8	1799.0	1853.8	1901.6	1944.6	1980.9	2011.6	2035.4
-7.5°	1461.5	1540.0	1613.4	1680.2	1742.2	1793.9	1839.8	1883.1	1922.0	1955.4	1984.7
-10°	1396.9	1474.6	1543.9	1606.5	1664.2	1716.8	1765.7	1808.4	1844.0	1876.8	1901.5
-12.5°	1321.7	1393.6	1461.4	1523.1	1579.5	1632.2	1678.7	1719.4	1755.2	1784.3	1806.6
-15°	1238.7	1307.0	1371.2	1434.2	1493.4	1545.2	1586.1	1629.0	1660.0	1688.2	1708.3
-17.5°	1149.9	1215.9	1283.5	1346.7	1401.3	1452.4	1497.4	1536.6	1569.2	1595.0	1617.7
-20°	1060.0	1127.1	1192.1	1252.4	1304.9	1352.3	1397.9	1435.5	1468.9	1497.1	1523.6



REPORT NUMBER: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	969.6	1031.2	1092.2	1151.1	1200.8	1245.6	1285.5	1321.5	1351.0	1384.2	1407.6
-25°	876.7	930.7	985.8	1037.9	1084.8	1128.9	1165.0	1196.6	1227.3	1259.4	1282.2
-27.5°	783.4	831.2	875.9	922.0	963.1	1001.3	1034.8	1062.4	1092.3	1113.7	1138.8
-30°	691.1	734.5	771.8	803.9	842.5	875.3	901.4	928.8	953.5	973.9	995.1
-32.5°	613.0	642.6	672.4	699.3	725.0	751.9	773.0	796.9	813.8	831.4	848.5
-35°	538.0	560.8	580.5	605.6	624.9	639.5	657.1	674.7	681.5	700.6	710.8
-37.5°	470.0	485.0	503.4	520.9	535.2	546.1	561.7	570.9	575.8	588.2	594.8
-40°	411.8	421.3	438.5	450.4	459.0	467.0	479.9	485.9	492.5	498.7	498.8
-42.5°	360.6	372.8	384.5	393.8	399.2	408.3	414.4	415.1	423.6	429.1	430.0
-45°	318.7	331.1	340.3	347.2	352.6	360.4	364.4	366.5	373.5	377.3	378.9
-47.5°	286.5	295.2	303.2	308.5	315.6	321.4	324.3	328.0	333.3	336.7	339.2
-50°	258.2	265.1	271.2	276.1	283.2	288.3	291.0	295.6	299.6	302.1	304.0
-52.5°	233.4	239.5	243.7	248.4	254.3	258.9	262.4	266.9	270.2	272.4	274.1
-55°	210.1	215.8	219.9	225.1	229.3	232.4	235.4	239.8	243.0	245.2	246.7
-57.5°	189.5	193.9	197.9	202.6	206.6	209.9	212.6	215.0	217.2	219.0	220.4
-60°	170.3	173.8	177.5	181.2	184.2	186.6	189.5	191.7	193.1	193.9	195.1
-62.5°	151.8	155.0	158.2	161.2	163.6	165.6	167.9	169.7	171.0	171.9	172.6
-65°	134.2	136.9	139.7	142.2	144.2	146.0	147.6	148.9	149.8	150.6	151.2
-67.5°	117.8	119.9	121.9	123.6	125.1	126.6	128.0	129.0	129.6	130.2	130.8
-70°	101.9	103.6	104.9	105.9	106.9	108.0	109.4	110.3	110.9	111.5	112.1
-72.5°	86.5	87.8	88.9	89.7	90.2	91.0	91.9	92.7	93.3	93.8	94.0
-75°	71.8	72.8	73.7	74.4	74.8	75.3	75.8	76.1	76.1	76.3	76.4
-77.5°	57.3	58.4	59.2	59.8	60.2	60.7	61.0	61.2	61.2	61.3	61.1
-80°	44.8	45.5	46.0	46.5	46.8	47.1	47.2	47.3	47.2	47.3	47.3
-82.5°	32.5	33.1	33.6	34.0	34.3	34.6	34.8	35.0	35.1	35.2	35.1
-85°	21.0	21.3	21.6	21.8	22.0	22.2	22.3	22.3	22.2	22.3	22.2
-87.5°	10.5	10.4	10.2	10.0	9.8	9.9	9.9	9.9	9.9	10.1	10.1
-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: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-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°	7.0	7.2	6.7	6.2	6.7	7.2	7.0	6.8	6.7	6.5	6.9
85°	23.3	23.5	23.1	22.6	23.1	23.5	23.3	23.1	22.8	22.5	22.7
82.5°	44.5	44.5	44.1	43.6	44.1	44.5	44.5	44.5	44.3	43.9	44.2
80°	67.9	67.5	67.2	66.8	67.2	67.5	67.9	68.2	68.2	68.1	68.5
77.5°	95.0	94.5	95.4	96.0	95.4	94.5	95.0	95.3	95.2	95.3	97.2
75°	131.8	130.8	129.8	128.4	129.8	130.8	131.8	132.3	132.3	132.4	134.5
72.5°	174.4	173.6	172.8	171.5	172.8	173.6	174.4	174.6	174.2	174.6	178.0
70°	225.2	222.9	223.3	223.4	223.3	222.9	225.2	226.6	226.8	227.6	230.6
67.5°	289.2	287.0	287.3	287.1	287.3	287.0	289.2	290.1	289.8	290.6	293.0
65°	366.6	364.2	361.2	356.9	361.2	364.2	366.6	367.3	366.2	365.4	365.0
62.5°	449.7	447.6	448.8	449.8	448.8	447.6	449.7	450.0	448.3	448.0	446.7
60°	542.1	539.1	537.6	535.1	537.6	539.1	542.1	542.5	540.1	539.7	538.1
57.5°	656.1	655.5	654.2	650.6	654.2	655.5	656.1	653.5	647.8	646.5	641.7
55°	782.5	781.8	784.7	788.3	784.7	781.8	782.5	779.0	771.5	767.3	760.3
52.5°	919.5	921.8	920.9	916.1	920.9	921.8	919.5	912.9	904.0	897.0	884.4
50°	1055.1	1057.7	1060.4	1063.0	1060.4	1057.7	1055.1	1047.5	1038.9	1032.2	1020.7
47.5°	1208.7	1215.6	1216.8	1211.9	1216.8	1215.6	1208.7	1196.0	1186.8	1176.3	1154.5
45°	1383.3	1387.5	1389.6	1393.7	1389.6	1387.5	1383.3	1369.7	1362.9	1352.1	1330.6
42.5°	1603.5	1608.2	1609.0	1613.5	1609.0	1608.2	1603.5	1586.0	1579.9	1559.2	1528.7
40°	1864.7	1872.5	1871.1	1869.2	1871.1	1872.5	1864.7	1845.2	1840.6	1820.3	1794.6
37.5°	2170.6	2183.8	2185.1	2193.2	2185.1	2183.8	2170.6	2150.2	2135.8	2097.1	2080.1
35°	2513.9	2529.3	2526.6	2530.6	2526.6	2529.3	2513.9	2492.2	2471.3	2436.5	2394.0
32.5°	2860.1	2883.3	2888.0	2907.6	2888.0	2883.3	2860.1	2829.2	2795.6	2749.6	2692.9
30°	3132.1	3164.7	3186.0	3184.3	3186.0	3164.7	3132.1	3090.8	3063.7	2985.8	2924.0
27.5°	3244.8	3287.0	3326.5	3338.4	3326.5	3287.0	3244.8	3194.0	3178.0	3066.9	3028.0
25°	3134.9	3165.7	3200.5	3219.3	3200.5	3165.7	3134.9	3099.7	3044.9	2973.4	2917.5
22.5°	2909.0	2929.0	2940.9	2931.2	2940.9	2929.0	2909.0	2885.3	2833.8	2778.4	2717.0
20°	2704.0	2729.3	2734.1	2744.3	2734.1	2729.3	2704.0	2673.7	2644.4	2596.8	2543.7
17.5°	2551.4	2568.0	2577.7	2579.9	2577.7	2568.0	2551.4	2522.8	2496.0	2453.2	2406.7
15°	2431.8	2445.1	2453.8	2457.7	2453.8	2445.1	2431.8	2408.8	2379.8	2342.9	2302.7
12.5°	2347.1	2363.3	2371.2	2376.1	2371.2	2363.3	2347.1	2327.5	2297.7	2268.7	2226.5
10°	2292.7	2308.4	2314.7	2317.0	2314.7	2308.4	2292.7	2273.9	2250.5	2218.0	2180.1
7.5°	2253.7	2263.7	2268.0	2271.3	2268.0	2263.7	2253.7	2238.8	2214.2	2180.6	2143.1
5°	2222.2	2230.2	2234.7	2239.5	2234.7	2230.2	2222.2	2204.6	2181.0	2151.1	2112.3
2.5°	2179.4	2190.8	2198.7	2203.5	2198.7	2190.8	2179.4	2163.4	2143.4	2114.8	2074.4
0°	2137.3	2148.1	2153.7	2163.0	2153.7	2148.1	2137.3	2121.4	2101.3	2073.1	2033.5
-2.5°	2091.0	2103.5	2118.3	2132.7	2118.3	2103.5	2091.0	2075.2	2057.7	2029.5	1991.8
-5°	2055.6	2072.1	2075.2	2084.4	2075.2	2072.1	2055.6	2035.4	2011.6	1980.9	1944.6
-7.5°	2002.2	2009.8	2022.5	2024.8	2022.5	2009.8	2002.2	1984.7	1955.4	1922.0	1883.1
-10°	1919.9	1932.2	1940.2	1948.3	1940.2	1932.2	1919.9	1901.5	1876.8	1844.0	1808.4
-12.5°	1823.3	1837.7	1850.5	1848.7	1850.5	1837.7	1823.3	1806.6	1784.3	1755.2	1719.4
-15°	1729.1	1743.0	1751.8	1750.6	1751.8	1743.0	1729.1	1708.3	1688.2	1660.0	1629.0
-17.5°	1635.6	1648.3	1661.1	1660.7	1661.1	1648.3	1635.6	1617.7	1595.0	1569.2	1536.6
-20°	1539.1	1549.9	1563.6	1569.3	1563.6	1549.9	1539.1	1523.6	1497.1	1468.9	1435.5



REPORT NUMBER: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1427.4	1441.3	1451.2	1457.4	1451.2	1441.3	1427.4	1407.6	1384.2	1351.0	1321.5
-25°	1297.3	1311.6	1319.2	1321.8	1319.2	1311.6	1297.3	1282.2	1259.4	1227.3	1196.6
-27.5°	1153.6	1169.6	1177.4	1173.4	1177.4	1169.6	1153.6	1138.8	1113.7	1092.3	1062.4
-30°	1006.2	1016.4	1017.6	1026.5	1017.6	1016.4	1006.2	995.1	973.9	953.5	928.8
-32.5°	860.8	867.6	863.7	864.3	863.7	867.6	860.8	848.5	831.4	813.8	796.9
-35°	717.1	722.6	723.7	733.8	723.7	722.6	717.1	710.8	700.6	681.5	674.7
-37.5°	601.7	603.9	600.5	595.7	600.5	603.9	601.7	594.8	588.2	575.8	570.9
-40°	503.8	505.5	504.2	501.7	504.2	505.5	503.8	498.8	498.7	492.5	485.9
-42.5°	433.3	433.3	432.2	431.9	432.2	433.3	433.3	430.0	429.1	423.6	415.1
-45°	381.3	381.8	381.7	381.5	381.7	381.8	381.3	378.9	377.3	373.5	366.5
-47.5°	340.9	341.0	340.5	339.4	340.5	341.0	340.9	339.2	336.7	333.3	328.0
-50°	305.2	305.2	305.9	307.1	305.9	305.2	305.2	304.0	302.1	299.6	295.6
-52.5°	275.0	274.9	275.3	275.8	275.3	274.9	275.0	274.1	272.4	270.2	266.9
-55°	247.3	247.2	246.8	246.0	246.8	247.2	247.3	246.7	245.2	243.0	239.8
-57.5°	220.9	220.6	219.9	218.8	219.9	220.6	220.9	220.4	219.0	217.2	215.0
-60°	195.7	195.9	195.5	194.6	195.5	195.9	195.7	195.1	193.9	193.1	191.7
-62.5°	172.8	172.5	172.4	172.0	172.4	172.5	172.8	172.6	171.9	171.0	169.7
-65°	151.3	150.9	151.1	151.0	151.1	150.9	151.3	151.2	150.6	149.8	148.9
-67.5°	131.1	131.0	131.1	130.9	131.1	131.0	131.1	130.8	130.2	129.6	129.0
-70°	112.4	112.5	111.9	110.9	111.9	112.5	112.4	112.1	111.5	110.9	110.3
-72.5°	93.9	93.6	93.6	93.5	93.6	93.6	93.9	94.0	93.8	93.3	92.7
-75°	76.4	76.2	76.6	77.0	76.6	76.2	76.4	76.4	76.3	76.1	76.1
-77.5°	60.8	60.4	60.8	61.1	60.8	60.4	60.8	61.1	61.3	61.2	61.2
-80°	47.2	47.0	46.9	46.7	46.9	47.0	47.2	47.3	47.3	47.2	47.3
-82.5°	35.0	34.8	34.6	34.4	34.6	34.8	35.0	35.1	35.2	35.1	35.0
-85°	22.1	22.0	22.3	22.6	22.3	22.0	22.1	22.2	22.3	22.2	22.3
-87.5°	10.2	10.3	10.0	9.8	10.0	10.3	10.2	10.1	10.1	9.9	9.9
-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: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	7.6	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.6
85°	22.8	22.9	22.9	23.3	23.6	23.6	23.5	23.1	22.6	21.9	21.0
82.5°	44.3	44.2	44.0	44.5	44.7	44.6	44.3	43.4	42.3	40.9	39.2
80°	68.7	68.7	68.5	69.5	69.9	69.9	69.3	67.7	65.7	63.5	61.4
77.5°	98.6	99.3	99.6	100.5	100.7	100.2	98.7	96.3	94.2	91.5	87.9
75°	136.1	136.9	137.5	138.5	138.5	137.7	136.2	133.3	129.4	124.6	118.3
72.5°	180.3	181.4	181.7	181.8	180.8	179.8	177.5	173.7	168.7	162.5	154.0
70°	232.5	233.2	232.9	231.4	229.5	227.1	223.2	217.8	210.8	203.5	193.2
67.5°	293.9	293.1	291.0	288.1	284.9	280.3	274.1	266.3	258.3	249.1	235.1
65°	363.6	361.1	358.4	354.4	348.5	340.7	331.2	321.3	310.8	298.0	280.4
62.5°	442.2	434.4	431.7	427.8	420.4	409.5	397.9	385.3	369.6	351.3	333.6
60°	533.7	527.0	520.4	511.5	500.6	487.0	472.3	455.3	436.0	415.6	391.9
57.5°	632.5	623.6	616.8	605.0	588.1	572.2	553.7	530.2	507.1	483.5	455.2
55°	750.9	738.6	724.1	707.7	689.6	668.9	643.7	616.3	588.0	555.5	525.4
52.5°	866.9	856.0	839.3	815.7	794.5	772.9	743.2	711.1	679.2	645.5	603.2
50°	1004.1	987.5	964.8	937.3	915.0	885.6	852.6	813.6	780.3	741.8	695.1
47.5°	1142.0	1131.1	1104.3	1072.4	1051.8	1017.7	977.0	933.4	896.6	844.2	793.4
45°	1316.4	1296.7	1266.6	1239.2	1206.9	1169.0	1117.1	1075.4	1026.3	969.0	895.4
42.5°	1520.8	1492.3	1453.4	1430.3	1391.5	1341.6	1283.8	1231.3	1170.0	1103.0	1018.5
40°	1768.5	1721.6	1682.0	1644.9	1600.7	1534.8	1470.8	1400.8	1327.6	1245.2	1135.1
37.5°	2053.0	2003.3	1944.9	1883.6	1826.5	1751.3	1665.6	1583.3	1495.2	1371.3	1245.8
35°	2349.3	2292.6	2220.5	2146.1	2057.4	1952.1	1863.7	1766.6	1646.3	1485.5	1348.2
32.5°	2641.8	2548.7	2470.6	2390.3	2257.6	2127.5	2032.3	1946.1	1741.8	1575.9	1438.1
30°	2853.3	2735.5	2656.4	2546.4	2379.8	2261.4	2170.9	1991.9	1801.8	1638.9	1508.2
27.5°	2899.6	2812.4	2732.1	2567.1	2423.6	2318.9	2177.5	1995.0	1822.1	1668.9	1542.3
25°	2810.7	2731.0	2633.3	2496.2	2376.5	2268.8	2120.3	1955.0	1799.9	1664.8	1522.7
22.5°	2642.0	2569.1	2480.2	2373.1	2271.6	2161.8	2030.9	1887.6	1754.2	1627.8	1490.2
20°	2480.7	2415.1	2332.7	2247.9	2160.5	2056.5	1932.2	1815.1	1706.5	1584.0	1451.2
17.5°	2353.9	2286.1	2221.4	2147.9	2058.4	1952.1	1862.7	1766.2	1658.9	1537.2	1406.6
15°	2248.2	2197.2	2135.5	2058.1	1975.9	1900.2	1815.2	1716.5	1609.6	1486.6	1365.0
12.5°	2183.7	2129.2	2061.8	2001.2	1932.8	1853.5	1765.9	1665.2	1563.0	1460.0	1351.0
10°	2132.1	2080.5	2024.9	1961.1	1888.9	1806.7	1724.8	1637.3	1542.1	1441.0	1333.1
7.5°	2099.1	2045.8	1986.6	1924.4	1855.1	1781.2	1700.9	1613.8	1517.7	1416.8	1311.0
5°	2067.0	2013.9	1957.0	1897.3	1826.5	1752.7	1673.2	1585.9	1489.4	1387.6	1284.6
2.5°	2030.2	1980.0	1925.2	1865.4	1793.5	1719.9	1641.5	1553.0	1457.9	1360.1	1254.5
0°	1988.9	1942.7	1883.6	1823.5	1755.7	1683.8	1605.3	1514.9	1421.9	1329.5	1219.6
-2.5°	1949.6	1900.4	1845.8	1786.3	1721.3	1646.9	1568.8	1481.3	1386.4	1293.0	1185.5
-5°	1901.6	1853.8	1799.0	1736.8	1671.3	1597.9	1520.2	1435.7	1342.5	1250.1	1147.3
-7.5°	1839.8	1793.9	1742.2	1680.2	1613.4	1540.0	1461.5	1377.1	1286.2	1194.8	1095.0
-10°	1765.7	1716.8	1664.2	1606.5	1543.9	1474.6	1396.9	1312.7	1225.2	1134.2	1038.2
-12.5°	1678.7	1632.2	1579.5	1523.1	1461.4	1393.6	1321.7	1241.3	1159.5	1068.1	977.0
-15°	1586.1	1545.2	1493.4	1434.2	1371.2	1307.0	1238.7	1162.1	1086.5	997.0	911.6
-17.5°	1497.4	1452.4	1401.3	1346.7	1283.5	1215.9	1149.9	1079.7	1006.6	925.1	846.9
-20°	1397.9	1352.3	1304.9	1252.4	1192.1	1127.1	1060.0	992.9	924.3	853.3	782.2



REPORT NUMBER: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1285.5	1245.6	1200.8	1151.1	1092.2	1031.2	969.6	906.3	841.3	780.2	716.5
-25°	1165.0	1128.9	1084.8	1037.9	985.8	930.7	876.7	820.5	764.6	707.3	650.8
-27.5°	1034.8	1001.3	963.1	922.0	875.9	831.2	783.4	734.9	689.8	639.3	590.0
-30°	901.4	875.3	842.5	803.9	771.8	734.5	691.1	656.7	617.5	574.3	534.1
-32.5°	773.0	751.9	725.0	699.3	672.4	642.6	613.0	581.1	546.9	516.1	483.2
-35°	657.1	639.5	624.9	605.6	580.5	560.8	538.0	511.7	485.6	460.9	434.5
-37.5°	561.7	546.1	535.2	520.9	503.4	485.0	470.0	451.9	430.5	410.8	389.3
-40°	479.9	467.0	459.0	450.4	438.5	421.3	411.8	398.3	383.6	364.6	347.3
-42.5°	414.4	408.3	399.2	393.8	384.5	372.8	360.6	352.8	341.0	326.2	312.1
-45°	364.4	360.4	352.6	347.2	340.3	331.1	318.7	312.9	303.9	293.7	280.3
-47.5°	324.3	321.4	315.6	308.5	303.2	295.2	286.5	278.3	273.1	264.3	253.4
-50°	291.0	288.3	283.2	276.1	271.2	265.1	258.2	250.1	245.2	237.7	228.6
-52.5°	262.4	258.9	254.3	248.4	243.7	239.5	233.4	225.9	219.4	214.2	207.6
-55°	235.4	232.4	229.3	225.1	219.9	215.8	210.1	203.6	198.3	193.8	188.1
-57.5°	212.6	209.9	206.6	202.6	197.9	193.9	189.5	184.5	179.0	174.9	169.6
-60°	189.5	186.6	184.2	181.2	177.5	173.8	170.3	166.0	161.0	156.8	152.2
-62.5°	167.9	165.6	163.6	161.2	158.2	155.0	151.8	148.2	144.0	139.8	135.9
-65°	147.6	146.0	144.2	142.2	139.7	136.9	134.2	131.2	127.8	124.0	120.4
-67.5°	128.0	126.6	125.1	123.6	121.9	119.9	117.8	115.2	112.3	109.2	106.2
-70°	109.4	108.0	106.9	105.9	104.9	103.6	101.9	99.9	97.6	95.1	92.4
-72.5°	91.9	91.0	90.2	89.7	88.9	87.8	86.5	85.1	83.5	81.6	79.0
-75°	75.8	75.3	74.8	74.4	73.7	72.8	71.8	70.7	69.4	67.8	65.7
-77.5°	61.0	60.7	60.2	59.8	59.2	58.4	57.3	56.6	55.6	54.4	52.8
-80°	47.2	47.1	46.8	46.5	46.0	45.5	44.8	44.0	42.9	41.7	40.5
-82.5°	34.8	34.6	34.3	34.0	33.6	33.1	32.5	31.9	31.2	30.4	29.6
-85°	22.3	22.2	22.0	21.8	21.6	21.3	21.0	20.8	20.5	20.1	19.6
-87.5°	9.9	9.9	9.8	10.0	10.2	10.4	10.5	10.4	10.2	10.0	9.8
-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: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-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°	7.5	7.3	7.0	6.8	6.6	6.4	6.2	5.9	5.4	4.8	4.3
85°	19.9	18.7	17.3	15.8	14.4	12.9	12.4	11.7	10.7	9.7	8.6
82.5°	37.1	35.3	33.5	31.4	29.1	26.7	24.1	21.4	18.0	14.8	12.9
80°	58.7	55.7	52.3	48.7	44.7	40.5	36.9	33.1	28.4	23.8	19.4
77.5°	83.2	78.1	72.5	67.8	62.9	57.6	51.9	45.5	38.6	32.7	27.0
75°	110.4	104.0	97.4	90.2	82.5	74.8	68.1	60.2	50.9	41.7	34.5
72.5°	144.4	134.4	124.1	113.6	104.4	95.0	85.3	74.7	63.7	52.9	42.5
70°	180.7	166.9	154.0	141.4	128.2	115.2	103.9	90.7	76.3	63.9	51.9
67.5°	219.3	204.3	188.0	170.0	154.1	138.7	122.9	107.0	90.8	74.8	61.2
65°	263.3	244.3	223.8	204.1	183.1	162.5	144.8	123.7	105.0	87.3	70.3
62.5°	311.6	286.8	264.5	239.7	215.1	190.8	165.9	142.2	119.3	99.5	80.4
60°	366.3	339.1	307.9	280.1	250.4	220.6	191.0	160.1	135.1	111.4	90.7
57.5°	426.5	394.6	361.1	324.4	289.5	254.2	216.0	180.6	150.4	124.3	100.6
55°	489.4	453.5	415.8	375.4	332.3	291.5	242.4	201.5	165.8	137.1	109.9
52.5°	559.9	517.0	473.4	427.9	380.4	327.8	271.6	221.2	183.0	149.3	119.7
50°	641.0	587.4	535.7	483.4	429.3	365.9	298.9	244.8	199.2	161.7	129.0
47.5°	733.6	668.6	604.5	541.6	481.8	401.4	329.0	267.3	214.3	174.8	137.7
45°	829.4	757.8	680.2	607.5	524.5	437.2	358.4	288.0	232.6	186.3	145.7
42.5°	925.7	848.2	764.9	674.0	568.3	471.2	385.1	311.3	249.4	196.8	154.1
40°	1032.6	938.2	849.3	735.7	608.1	502.0	412.7	333.2	264.5	207.4	162.5
37.5°	1134.5	1030.2	932.4	782.8	644.6	533.6	437.9	352.7	278.4	218.9	170.2
35°	1229.7	1119.3	974.3	821.2	680.7	560.4	460.2	371.1	293.1	229.0	177.0
32.5°	1316.5	1176.4	1006.4	851.1	709.4	582.2	480.4	387.5	305.7	237.7	183.1
30°	1375.6	1197.8	1028.5	872.7	730.8	603.4	496.8	401.2	316.1	245.1	188.7
27.5°	1378.8	1207.8	1040.3	886.2	745.5	618.9	509.3	412.0	324.5	251.9	194.6
25°	1367.9	1203.4	1042.0	891.2	753.3	631.6	518.9	420.1	332.2	258.6	199.4
22.5°	1342.7	1187.9	1034.2	887.8	761.9	640.3	526.8	427.0	338.4	263.6	203.1
20°	1310.7	1162.7	1021.0	891.1	766.2	646.0	532.8	431.5	342.4	267.0	205.8
17.5°	1271.6	1142.7	1018.8	890.5	766.2	647.6	535.5	433.6	344.3	268.9	207.5
15°	1253.7	1134.9	1012.1	885.7	761.9	645.5	535.0	433.3	344.2	269.2	208.6
12.5°	1239.2	1122.6	1001.2	876.9	753.7	639.6	531.4	430.7	342.1	269.2	209.5
10°	1220.9	1105.8	986.2	863.9	741.5	630.3	525.0	426.8	341.1	268.8	209.5
7.5°	1198.6	1084.6	967.1	847.0	726.8	619.8	518.4	422.5	338.9	267.2	208.8
5°	1172.7	1061.1	946.5	830.7	715.6	608.7	509.6	416.0	335.3	264.5	207.3
2.5°	1144.8	1036.9	923.5	811.0	701.5	595.0	498.6	407.6	330.3	260.8	205.2
0°	1112.3	1008.6	896.6	787.7	684.5	578.7	485.3	397.5	324.0	256.2	202.3
-2.5°	1083.8	977.4	867.6	762.4	659.7	559.2	470.8	387.3	317.0	251.7	199.3
-5°	1050.6	942.3	835.2	733.9	632.3	537.7	454.6	375.8	308.9	246.4	195.8
-7.5°	1001.9	899.3	798.4	701.8	602.7	514.5	436.9	363.1	299.9	240.3	191.7
-10°	947.1	850.7	756.6	665.5	573.9	491.5	418.2	349.5	289.9	233.6	187.1
-12.5°	889.1	799.4	712.5	627.5	544.2	468.9	400.3	336.1	279.2	226.3	182.1
-15°	828.3	746.0	666.5	588.2	513.5	445.1	381.5	322.4	268.8	218.8	176.6
-17.5°	766.5	690.8	618.8	548.0	482.2	420.4	362.1	308.0	257.7	211.2	171.1
-20°	710.1	639.3	570.2	507.3	450.6	395.0	342.2	293.0	246.2	203.3	165.6



REPORT NUMBER: P558586 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	653.9	591.8	529.4	469.5	419.7	369.0	322.1	277.6	234.3	195.0	159.7
-25°	597.9	544.5	489.5	438.1	389.6	344.9	302.7	261.8	222.0	186.4	153.4
-27.5°	545.1	498.4	449.4	406.7	363.4	321.2	283.9	246.8	210.2	177.6	146.8
-30°	494.8	454.4	413.5	375.9	337.5	300.5	265.1	231.9	199.3	169.1	139.8
-32.5°	448.3	410.9	379.2	347.3	313.6	280.0	247.7	217.0	188.5	160.6	133.4
-35°	405.0	373.8	345.9	319.6	290.6	261.4	231.7	202.2	177.6	151.9	127.0
-37.5°	363.8	340.9	317.0	293.7	267.7	243.1	216.7	190.1	166.8	142.9	120.5
-40°	330.0	310.4	290.5	269.1	247.4	225.2	201.6	178.6	156.3	133.8	113.9
-42.5°	297.8	282.6	265.4	245.2	228.5	208.7	186.7	166.8	146.1	125.5	107.2
-45°	269.1	256.2	241.5	226.3	210.4	192.3	173.6	155.0	135.9	117.8	100.7
-47.5°	242.1	232.4	220.5	207.8	193.1	176.6	160.4	143.7	125.7	110.0	94.5
-50°	219.2	211.0	201.4	189.9	176.2	162.2	147.4	132.5	117.1	102.4	88.2
-52.5°	199.5	191.6	183.0	172.4	160.8	147.8	135.4	121.5	108.4	95.0	81.7
-55°	180.9	173.2	165.4	156.3	145.8	135.0	123.6	111.7	99.5	87.6	75.3
-57.5°	163.4	155.9	149.1	141.0	132.2	122.7	112.5	101.8	91.0	80.1	69.5
-60°	146.6	140.4	133.7	127.1	119.4	110.8	101.6	92.0	82.5	72.7	63.7
-62.5°	131.1	125.5	120.0	113.9	106.9	99.1	90.8	82.7	74.0	66.0	57.8
-65°	116.5	111.9	106.7	100.9	94.5	87.7	80.7	73.3	66.3	59.2	51.8
-67.5°	102.6	98.4	93.3	88.0	82.9	77.2	70.7	64.7	58.8	52.4	46.0
-70°	89.0	84.9	80.7	76.6	72.0	66.9	61.7	56.5	51.2	45.9	40.1
-72.5°	76.0	72.7	69.3	65.6	61.7	57.4	52.8	48.3	44.1	39.4	34.2
-75°	63.2	60.7	58.1	55.1	51.7	48.0	44.4	40.7	37.0	32.8	28.9
-77.5°	51.0	49.1	47.0	44.8	42.2	39.4	36.3	33.2	30.1	27.1	23.9
-80°	39.5	38.2	36.8	35.2	33.0	30.7	28.5	26.3	24.0	21.5	18.8
-82.5°	28.8	27.9	27.0	25.8	24.3	22.8	21.2	19.6	17.8	15.8	13.9
-85°	19.1	18.4	17.6	16.7	15.8	14.9	14.0	13.0	11.8	10.5	9.3
-87.5°	9.5	9.1	8.7	8.3	7.9	7.4	7.0	6.5	5.9	5.3	4.6
-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°	3.7	3.1	2.5	1.9	1.3	0.6	0.0
85°	7.4	6.3	5.1	3.9	2.6	1.3	0.0
82.5°	11.2	9.4	7.6	5.8	3.9	1.9	0.0
80°	15.2	12.5	10.1	7.7	5.2	2.5	0.0
77.5°	21.5	16.3	12.6	9.6	6.4	3.2	0.0
75°	27.8	21.4	15.4	11.5	7.7	3.8	0.0
72.5°	34.0	26.4	19.2	13.3	8.9	4.4	0.0
70°	40.3	31.3	23.1	15.3	10.2	5.0	0.0
67.5°	48.0	36.1	26.8	18.0	11.4	5.6	0.0
65°	55.5	41.4	30.4	20.7	12.5	6.2	0.0
62.5°	62.7	47.2	34.0	23.3	13.7	6.7	0.0
60°	69.7	52.9	37.4	25.8	14.8	7.3	0.0
57.5°	77.6	58.2	41.6	28.3	16.4	7.8	0.0
55°	85.2	63.4	45.6	30.6	18.0	8.4	0.0
52.5°	92.5	68.5	49.4	32.9	19.4	8.9	0.0
50°	99.3	74.0	53.0	35.1	20.9	9.4	0.0
47.5°	105.8	79.2	56.5	37.3	22.3	9.9	0.0
45°	112.6	84.1	59.7	39.7	23.6	10.3	0.0
42.5°	118.9	88.6	62.8	42.0	24.9	10.7	0.0
40°	124.6	92.8	65.9	44.2	26.1	11.2	0.0
37.5°	129.7	96.5	68.9	46.2	27.2	11.5	0.0
35°	134.3	100.3	71.8	48.1	28.3	11.9	0.0
32.5°	138.8	103.8	74.3	49.9	29.3	12.3	0.0
30°	143.5	106.9	76.6	51.6	30.2	12.6	0.0
27.5°	147.6	109.6	78.7	53.1	31.1	12.9	0.0
25°	151.0	111.9	80.7	54.5	31.9	13.1	0.0
22.5°	153.8	113.8	82.3	55.7	32.6	13.4	0.0
20°	156.0	115.8	83.7	56.8	33.2	13.6	0.0
17.5°	158.0	117.4	84.8	57.7	33.8	13.8	0.0
15°	159.6	118.7	85.6	58.5	34.2	14.0	0.0
12.5°	160.5	119.6	86.3	59.1	34.6	14.1	0.0
10°	160.9	120.1	86.6	59.6	34.9	14.2	0.0
7.5°	160.7	120.4	86.7	59.9	35.2	14.3	0.0
5°	160.0	120.3	86.6	60.1	35.3	14.4	0.0
2.5°	158.8	119.9	86.3	60.2	35.4	14.4	0.0
0°	157.1	119.1	85.8	60.1	35.4	14.4	0.0
-2.5°	155.3	118.0	85.4	59.8	35.3	14.4	0.0
-5°	153.1	116.6	84.8	59.4	35.2	14.4	0.0
-7.5°	150.4	114.8	84.0	58.9	34.9	14.4	0.0
-10°	147.4	112.9	83.0	58.2	34.6	14.3	0.0
-12.5°	144.0	110.6	81.8	57.4	34.2	14.2	0.0
-15°	140.3	108.2	80.4	56.4	33.8	14.1	0.0
-17.5°	136.3	105.6	78.9	55.4	33.2	13.9	0.0
-20°	132.1	102.7	77.1	54.2	32.6	13.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	127.8	99.7	75.2	52.9	32.0	13.6	0.0
-25°	123.4	96.7	73.2	51.5	31.2	13.3	0.0
-27.5°	118.7	93.6	70.9	50.0	30.4	13.1	0.0
-30°	113.8	90.2	68.6	48.4	29.6	12.8	0.0
-32.5°	108.7	86.7	66.1	46.7	28.7	12.5	0.0
-35°	104.0	83.0	63.5	45.0	27.7	12.1	0.0
-37.5°	99.3	79.3	60.8	43.1	26.7	11.8	0.0
-40°	94.4	75.7	58.0	41.1	25.7	11.4	0.0
-42.5°	89.3	72.0	55.2	39.1	24.6	11.0	0.0
-45°	84.1	68.2	52.4	37.0	23.4	10.6	0.0
-47.5°	78.8	64.3	49.5	34.9	22.2	10.1	0.0
-50°	73.9	60.2	46.5	32.9	21.0	9.6	0.0
-52.5°	69.0	56.1	43.4	31.0	19.7	9.1	0.0
-55°	64.1	52.2	40.2	29.0	18.4	8.6	0.0
-57.5°	59.0	48.1	37.0	27.0	17.1	8.1	0.0
-60°	54.0	44.0	33.7	24.9	15.7	7.5	0.0
-62.5°	49.0	39.8	30.9	22.8	14.5	7.0	0.0
-65°	44.0	35.6	28.1	20.7	13.3	6.4	0.0
-67.5°	38.9	31.6	25.2	18.5	12.1	5.8	0.0
-70°	33.7	28.0	22.2	16.2	10.8	5.2	0.0
-72.5°	29.2	24.3	19.2	14.2	9.5	4.5	0.0
-75°	24.8	20.6	16.2	12.2	8.2	3.9	0.0
-77.5°	20.4	16.9	13.5	10.2	6.9	3.3	0.0
-80°	15.9	13.4	10.8	8.2	5.5	2.6	0.0
-82.5°	11.9	10.1	8.1	6.2	4.1	2.0	0.0
-85°	8.0	6.7	5.4	4.1	2.8	1.3	0.0
-87.5°	4.0	3.4	2.7	2.1	1.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)