

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: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-AMB-U-WAF-BK**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-08
Report Number: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-305-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA4B-AMB-U-WAF-BK
Description: GALLEON FLOOD, ONE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (64) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

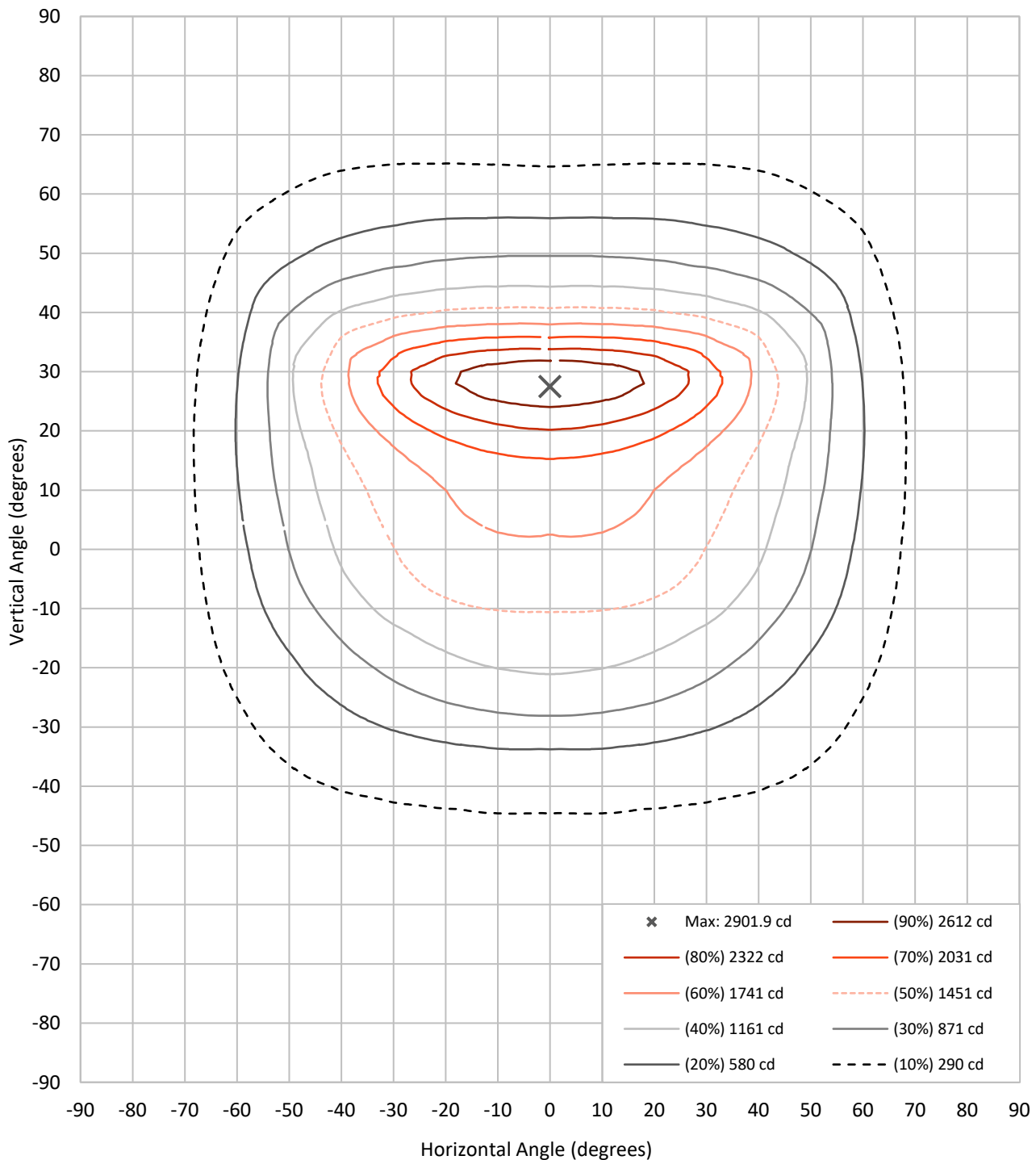
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	4042.4 lumens	Max Intensity:	2901.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	50.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	87.9°H x 51.3°V	Field Angle (10%):	135.6°H x 109.1°V
Beam Lumens:	1927.6 lumens	Field Lumens:	3721.3 lumens
Beam Efficiency:	47.7%	Field Efficiency:	92.1%
Input Watts (W):	80.5		
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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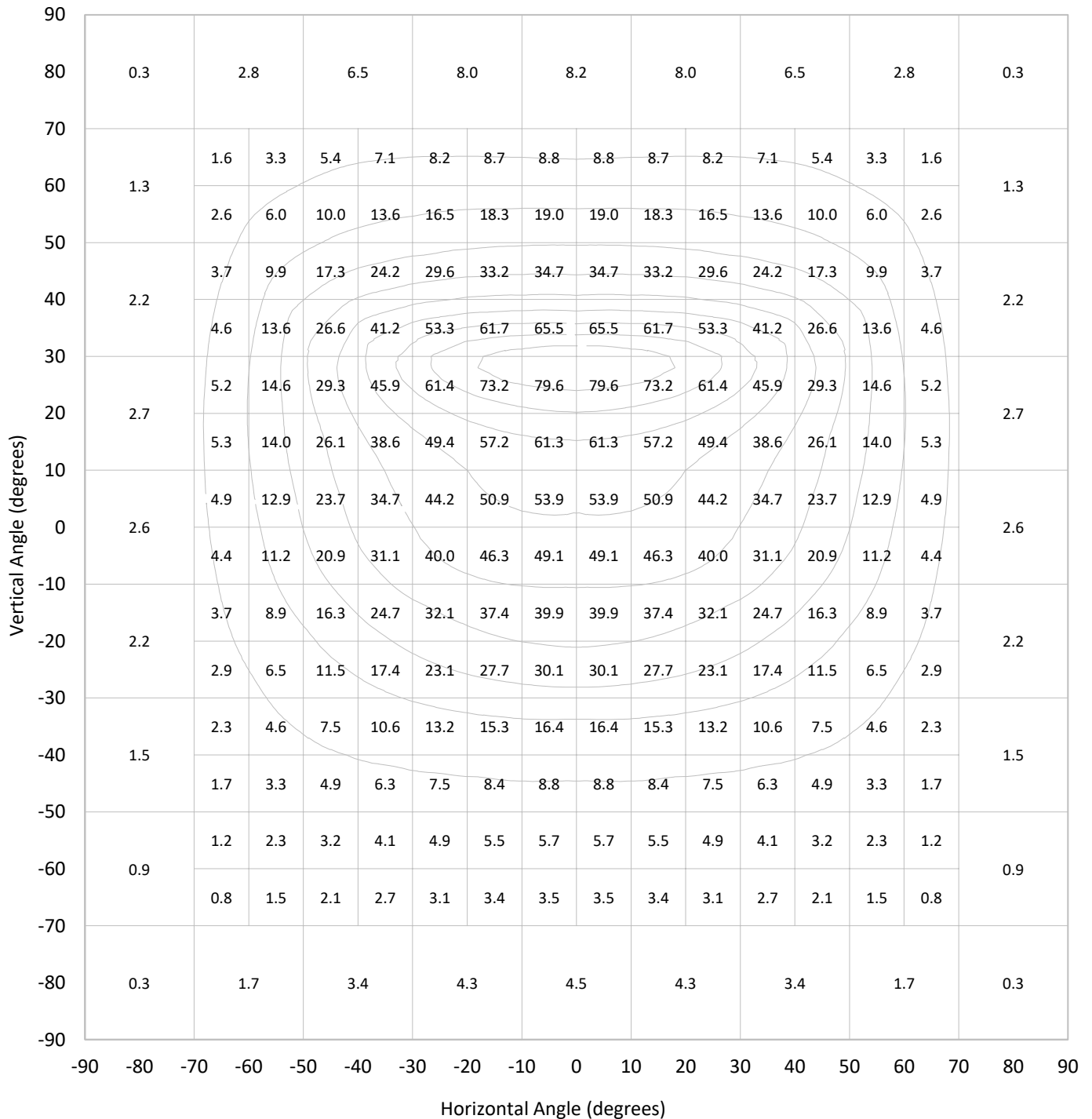
Iso-Candela Plot





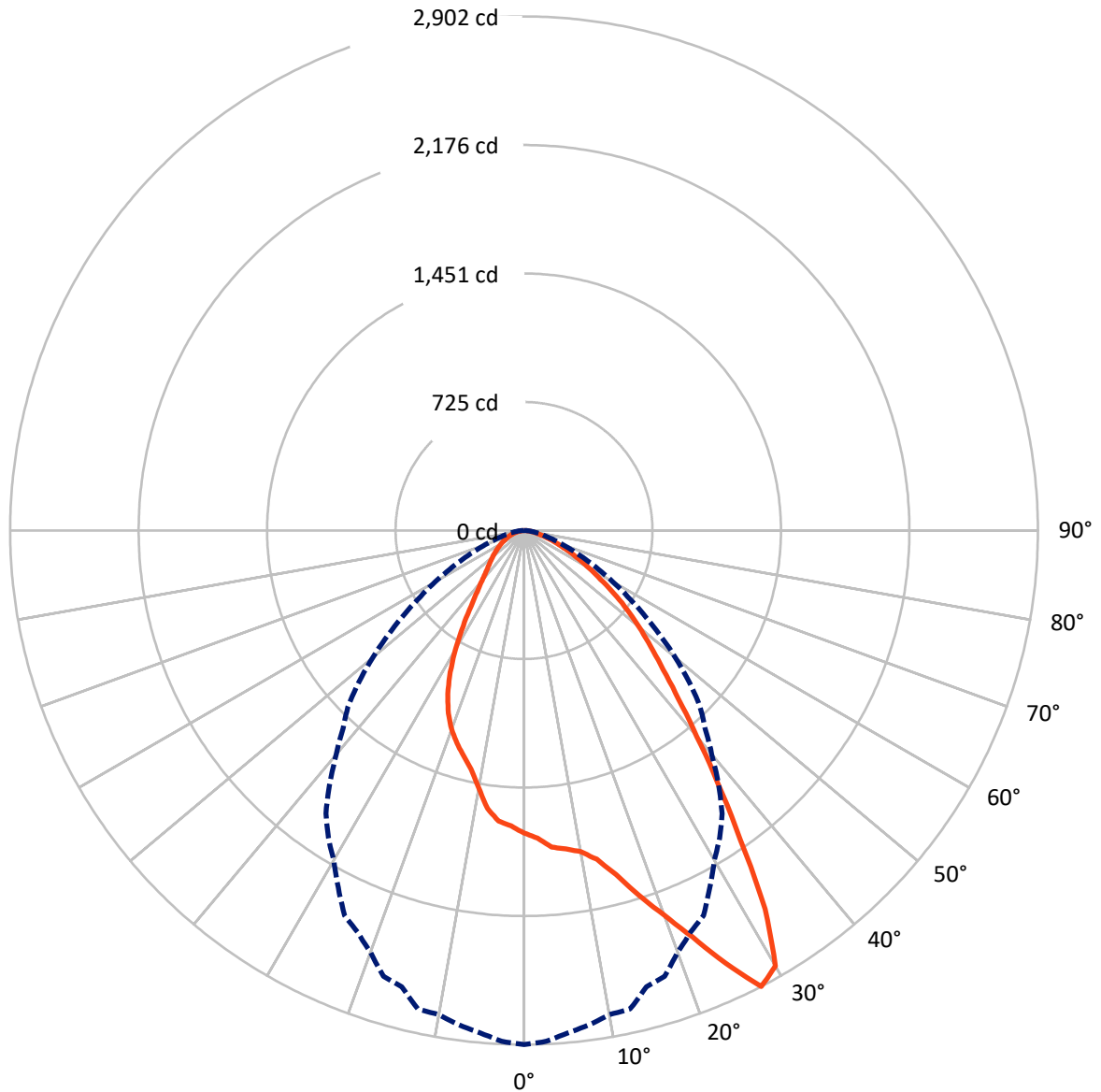
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Lumen Table



REPORT NUMBER: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
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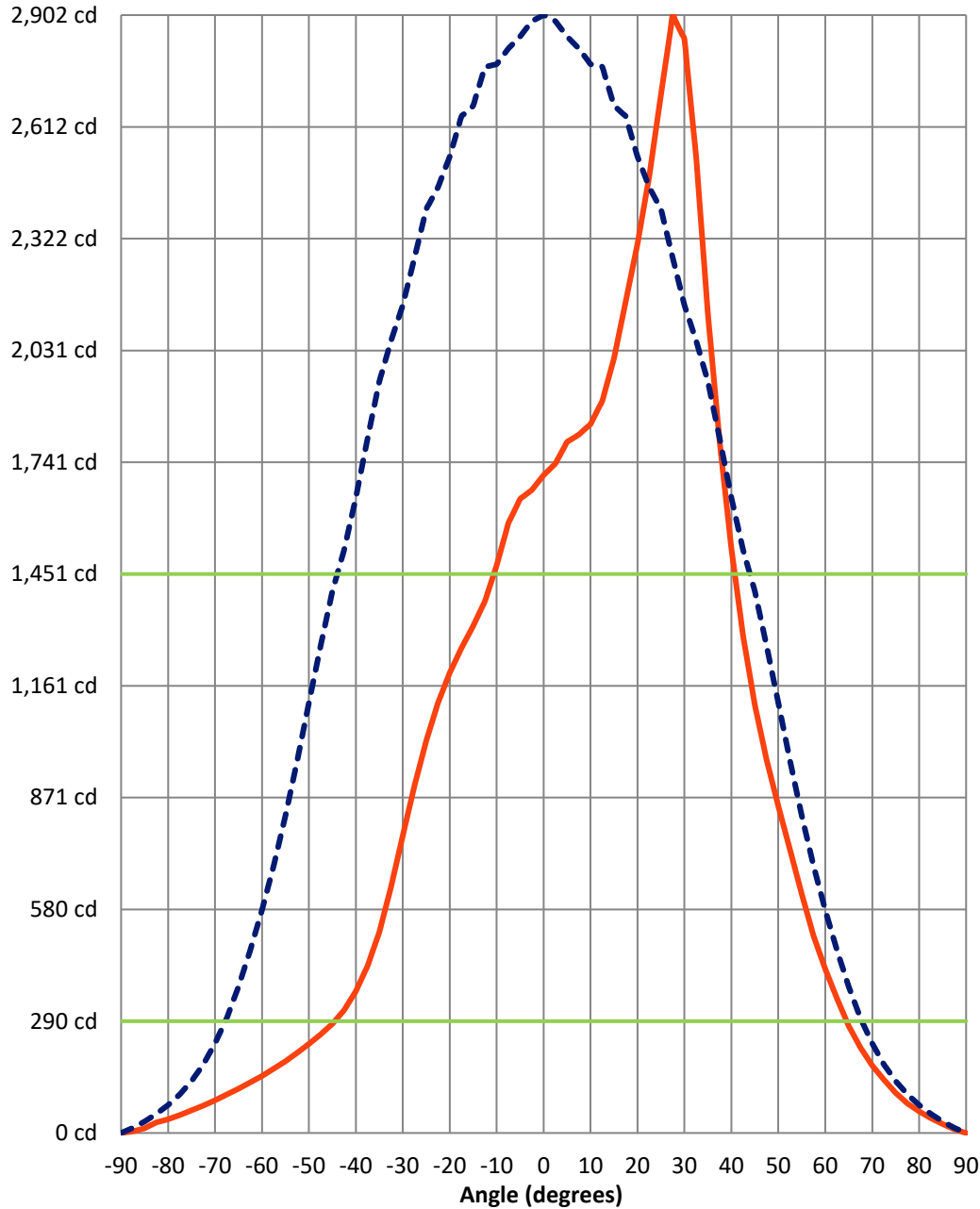
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 87.9°
 V Angle: 51.3°
 Lumens: 1927.6
 Efficiency: 47.7%

Field:
 H Angle: 135.6°
 V Angle: 109.1°
 Lumens: 3721.3
 Efficiency: 92.1%

Spill:
 Lumens: 321.1
 Efficiency: 7.9%

- 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	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.0	10.2	11.5	12.7
82.5°	0.0	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.6	18.7	21.9
80°	0.0	2.6	5.2	7.8	10.4	12.9	15.7	19.9	24.2	28.4	32.7
77.5°	0.0	3.2	6.5	9.7	12.9	16.7	22.0	27.3	32.7	38.1	44.3
75°	0.0	3.9	7.8	11.6	15.7	21.7	28.1	34.6	41.3	49.6	58.3
72.5°	0.0	4.5	9.0	13.5	19.4	26.6	34.2	42.2	51.7	61.6	72.0
70°	0.0	5.1	10.2	15.5	23.1	31.3	40.3	51.0	62.0	73.5	86.8
67.5°	0.0	5.7	11.5	18.1	26.7	36.0	47.3	59.5	72.0	86.5	101.5
65°	0.0	6.3	12.7	20.7	30.2	40.9	54.1	67.9	83.1	99.2	117.0
62.5°	0.0	6.9	13.8	23.1	33.6	46.2	60.6	76.8	93.8	112.2	134.4
60°	0.0	7.5	15.0	25.5	36.9	51.2	66.9	85.7	104.2	127.1	151.3
57.5°	0.0	8.1	16.5	27.9	40.6	56.1	73.7	94.2	116.2	141.4	170.5
55°	0.0	8.6	17.9	30.1	44.2	60.7	80.2	102.1	128.3	155.9	190.2
52.5°	0.0	9.1	19.3	32.3	47.6	65.1	86.4	111.2	139.8	172.2	208.7
50°	0.0	9.6	20.7	34.3	50.8	69.8	92.2	120.0	151.4	187.5	230.3
47.5°	0.0	10.1	22.0	36.4	53.9	74.2	97.7	128.1	163.8	201.8	250.8
45°	0.0	10.6	23.2	38.5	56.7	78.3	104.0	135.5	174.5	218.6	269.8
42.5°	0.0	11.1	24.3	40.5	59.4	82.1	109.8	143.2	184.1	234.1	291.0
40°	0.0	11.5	25.4	42.3	62.0	85.6	115.0	150.7	193.5	248.1	310.5
37.5°	0.0	11.9	26.4	44.0	64.5	88.7	119.7	157.4	203.8	260.2	327.8
35°	0.0	12.3	27.4	45.6	66.9	92.0	123.9	163.1	212.7	272.6	344.2
32.5°	0.0	12.6	28.2	47.1	69.0	95.2	127.7	168.1	220.5	283.0	358.8
30°	0.0	13.0	29.0	48.4	70.8	97.9	131.6	172.6	226.9	291.5	370.7
27.5°	0.0	13.3	29.8	49.5	72.5	100.3	134.7	177.7	232.7	297.9	379.8
25°	0.0	13.6	30.4	50.6	74.0	102.2	137.3	181.8	237.8	304.1	386.2
22.5°	0.0	13.9	31.0	51.4	75.4	103.9	139.2	184.9	241.3	308.9	391.8
20°	0.0	14.1	31.5	52.2	76.5	105.5	140.5	187.0	243.4	311.6	394.8
17.5°	0.0	14.3	31.9	52.8	77.4	106.8	141.7	188.3	244.1	312.3	395.2
15°	0.0	14.5	32.3	53.3	78.1	107.7	142.9	188.9	243.5	311.1	393.2
12.5°	0.0	14.6	32.5	53.6	78.6	108.3	143.5	189.1	242.5	308.0	388.9
10°	0.0	14.8	32.7	53.8	78.8	108.6	143.6	188.4	241.3	305.7	383.1
7.5°	0.0	14.9	32.9	53.9	78.9	108.6	143.2	186.8	239.0	302.4	376.6
5°	0.0	14.9	32.9	53.9	78.8	108.3	142.4	184.5	235.9	297.7	368.1
2.5°	0.0	15.0	32.9	53.7	78.5	107.6	141.2	181.5	231.9	291.7	357.9
0°	0.0	15.0	32.8	53.4	78.0	106.7	139.6	177.9	227.1	284.6	346.1
-2.5°	0.0	15.0	32.7	53.2	77.4	105.5	137.7	175.0	222.5	277.6	336.9
-5°	0.0	14.9	32.6	52.8	76.7	104.0	135.5	171.7	217.2	269.6	326.5
-7.5°	0.0	14.9	32.3	52.3	75.7	102.3	133.0	167.9	211.2	260.9	315.1
-10°	0.0	14.8	32.0	51.7	74.6	100.4	130.1	163.6	204.7	251.4	302.8
-12.5°	0.0	14.6	31.7	51.0	73.4	98.2	126.9	159.0	197.7	241.5	290.4
-15°	0.0	14.5	31.3	50.3	71.9	95.9	123.3	154.0	190.7	232.3	277.8
-17.5°	0.0	14.3	30.8	49.3	70.4	93.4	119.6	149.1	183.8	222.6	264.6
-20°	0.0	14.1	30.3	48.4	68.7	90.7	115.7	144.1	176.6	212.6	251.1



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 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.9	29.7	47.3	66.8	87.8	111.9	138.9	169.1	202.4	237.3
-25°	0.0	13.6	29.0	46.1	64.9	85.1	107.9	133.3	161.3	191.9	223.2
-27.5°	0.0	13.3	28.3	44.8	62.8	82.2	103.7	127.5	153.3	181.7	210.5
-30°	0.0	13.0	27.5	43.4	60.6	79.2	99.4	121.4	145.7	171.9	197.9
-32.5°	0.0	12.6	26.7	42.0	58.4	76.0	94.8	115.7	138.3	162.1	185.4
-35°	0.0	12.3	25.9	40.5	56.1	72.7	90.6	110.1	130.7	152.2	173.3
-37.5°	0.0	11.9	25.0	38.9	53.7	69.4	86.3	104.3	122.9	142.4	162.5
-40°	0.0	11.5	24.0	37.2	51.2	66.2	82.0	98.5	115.0	133.2	152.1
-42.5°	0.0	11.1	23.0	35.5	48.8	62.9	77.5	92.6	107.8	124.5	141.6
-45°	0.0	10.6	22.0	33.7	46.4	59.6	72.8	86.8	101.0	115.8	131.2
-47.5°	0.0	10.1	20.9	31.8	43.9	56.2	68.1	81.3	94.2	107.2	121.7
-50°	0.0	9.6	19.8	30.1	41.3	52.7	63.8	75.7	87.6	99.8	112.2
-52.5°	0.0	9.1	18.6	28.3	38.7	49.1	59.6	69.9	81.2	92.3	102.9
-55°	0.0	8.6	17.4	26.6	36.0	45.7	55.4	64.2	74.8	84.7	94.6
-57.5°	0.0	8.1	16.2	24.7	33.2	42.3	51.1	59.4	68.4	77.6	86.3
-60°	0.0	7.5	15.0	22.9	30.3	38.8	46.8	54.6	62.2	70.6	78.2
-62.5°	0.0	6.9	13.8	21.0	27.9	35.2	42.6	49.7	56.8	63.6	70.7
-65°	0.0	6.3	12.7	19.1	25.3	31.5	38.3	44.8	51.2	57.3	63.2
-67.5°	0.0	5.7	11.5	17.1	22.8	28.1	33.9	39.9	45.7	51.1	56.3
-70°	0.0	5.1	10.2	15.1	20.2	24.9	29.5	35.0	40.2	44.9	49.5
-72.5°	0.0	4.5	9.0	13.2	17.5	21.7	25.6	30.0	34.7	39.0	42.9
-75°	0.0	3.9	7.8	11.4	14.9	18.5	21.8	25.5	29.2	33.1	36.5
-77.5°	0.0	3.2	6.5	9.5	12.4	15.2	18.0	21.1	24.2	27.2	30.2
-80°	0.0	2.6	5.2	7.6	9.9	12.1	14.2	16.7	19.1	21.6	24.0
-82.5°	0.0	2.0	3.9	5.7	7.5	9.1	10.6	12.3	14.1	15.9	17.7
-85°	0.0	1.3	2.6	3.8	5.0	6.1	7.1	8.2	9.4	10.5	11.6
-87.5°	0.0	0.7	1.3	1.9	2.5	3.0	3.5	4.1	4.7	5.2	5.8
-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: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

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°	6.8	7.2	7.5	7.9	8.3	8.8	9.3	9.7	9.6	9.4	9.2
85°	13.5	14.3	16.0	17.5	19.2	20.7	22.1	23.3	23.3	22.9	22.3
82.5°	24.6	27.3	29.9	32.4	34.6	36.5	38.3	40.1	40.2	40.1	39.8
80°	36.6	40.2	44.5	48.4	51.6	54.3	56.6	58.5	59.4	60.4	61.3
77.5°	50.6	56.1	61.2	65.7	69.5	73.9	78.0	81.9	84.3	85.5	85.9
75°	65.8	72.1	78.8	85.1	91.0	96.5	102.0	107.9	111.7	114.1	115.8
72.5°	81.8	90.2	98.1	105.4	114.0	122.2	129.5	136.1	141.8	146.0	149.1
70°	98.8	108.4	119.4	130.0	139.8	149.7	160.1	169.4	176.7	181.7	186.2
67.5°	116.4	130.3	143.1	155.6	169.4	182.2	193.6	206.0	216.5	222.7	227.5
65°	137.3	152.5	169.6	186.3	200.9	217.5	232.7	246.1	259.9	269.1	275.8
62.5°	157.5	179.1	199.1	218.6	238.0	255.8	274.8	292.2	307.0	319.5	328.7
60°	180.9	207.2	231.7	255.6	277.0	299.5	320.8	342.1	360.1	373.6	387.2
57.5°	204.3	238.6	267.7	295.7	322.7	345.6	373.7	396.7	418.4	435.1	451.5
55°	228.6	273.1	307.3	341.7	372.3	401.0	430.4	459.5	482.3	504.3	523.6
52.5°	255.1	306.6	352.6	391.3	428.3	461.8	494.8	528.2	558.3	581.8	603.3
50°	279.9	342.3	399.8	446.2	489.3	529.6	565.9	605.9	642.9	671.2	692.1
47.5°	307.7	375.3	452.6	504.4	557.0	604.7	647.5	695.8	737.7	775.7	800.1
45°	334.6	409.2	494.0	570.4	629.7	685.7	741.2	793.9	849.9	892.8	927.1
42.5°	358.9	441.4	536.0	637.8	708.3	774.2	838.4	907.0	972.6	1028.3	1071.9
40°	384.6	470.5	574.3	692.9	789.6	866.0	941.0	1019.2	1112.6	1182.0	1235.2
37.5°	408.1	500.8	608.2	733.4	875.1	958.3	1040.9	1131.6	1240.2	1350.3	1420.2
35°	428.5	526.5	639.1	768.0	914.9	1048.4	1136.4	1233.4	1352.3	1506.8	1609.3
32.5°	447.5	547.5	663.6	795.4	942.5	1103.1	1222.5	1317.9	1439.4	1598.3	1791.6
30°	463.1	565.5	681.8	813.9	959.6	1115.3	1274.3	1380.1	1496.1	1644.4	1818.8
27.5°	474.1	578.2	693.7	823.2	965.6	1116.3	1264.6	1405.9	1513.4	1649.0	1802.8
25°	482.0	586.6	698.5	823.6	959.4	1102.1	1243.9	1377.5	1494.9	1610.7	1742.7
22.5°	487.1	590.9	702.3	815.5	944.0	1078.1	1211.3	1336.8	1450.1	1552.5	1662.6
20°	489.4	592.3	702.2	814.0	923.8	1046.4	1172.9	1291.6	1400.5	1498.5	1583.9
17.5°	488.5	590.1	698.3	807.8	915.7	1020.7	1128.5	1243.1	1349.0	1445.0	1529.6
15°	484.5	584.6	690.7	798.0	903.9	1006.7	1105.1	1197.4	1294.4	1390.9	1476.7
12.5°	477.6	575.9	679.7	784.7	888.5	989.0	1085.6	1176.9	1262.1	1341.7	1422.7
10°	468.0	564.0	665.4	767.9	869.6	967.5	1062.9	1153.7	1238.0	1316.3	1389.2
7.5°	459.8	551.9	648.6	747.8	847.2	942.4	1037.0	1127.5	1210.7	1287.5	1360.4
5°	450.3	540.0	633.2	730.3	827.0	918.5	1010.1	1098.0	1179.9	1255.1	1328.7
2.5°	438.8	525.7	614.8	710.7	807.1	898.7	989.8	1075.6	1154.6	1227.9	1299.4
0°	425.5	509.0	593.8	688.2	784.0	875.6	965.9	1049.4	1127.4	1201.3	1271.0
-2.5°	412.2	491.8	574.3	664.3	755.7	845.2	934.0	1018.1	1094.2	1169.1	1237.9
-5°	397.3	472.7	552.6	637.8	724.5	811.6	898.6	983.0	1055.1	1127.4	1193.1
-7.5°	381.0	452.0	528.7	608.6	689.2	770.3	851.7	930.3	1000.6	1070.2	1135.2
-10°	363.9	430.2	501.4	574.7	649.2	723.9	800.0	874.4	942.6	1009.0	1072.9
-12.5°	346.8	407.6	472.5	539.4	607.6	675.7	745.5	815.7	881.1	944.1	1007.0
-15°	329.0	384.3	442.8	503.2	564.5	626.4	688.5	754.6	818.5	880.3	940.5
-17.5°	310.9	360.5	412.5	466.5	520.5	576.2	631.3	697.2	757.7	815.2	870.4
-20°	292.6	336.6	381.9	429.5	476.2	530.8	584.0	640.6	695.3	747.7	798.3



REPORT NUMBER: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	274.3	312.6	352.3	393.7	440.8	489.5	537.1	584.4	632.0	677.9	727.0
-25°	256.9	290.7	324.7	365.5	406.9	448.6	490.1	529.5	570.0	613.3	655.9
-27.5°	240.2	269.5	302.5	337.7	373.2	409.0	444.9	478.6	514.9	551.0	585.3
-30°	223.8	251.8	280.5	311.0	342.0	372.2	401.5	431.4	462.1	492.5	520.3
-32.5°	208.6	234.5	260.2	286.6	312.5	336.3	362.4	388.3	412.6	436.1	458.5
-35°	194.9	218.4	241.0	262.8	284.4	305.5	327.7	347.8	365.6	384.1	403.3
-37.5°	182.4	202.4	222.2	240.6	259.1	278.1	294.7	311.6	324.9	336.9	353.7
-40°	170.0	186.6	204.6	220.7	236.1	252.4	266.7	278.3	288.3	300.7	309.7
-42.5°	157.8	173.1	187.7	201.6	215.8	228.8	240.0	249.6	258.8	268.1	274.9
-45°	146.3	159.9	171.6	185.0	196.8	207.1	216.4	223.5	232.9	239.5	244.3
-47.5°	134.9	147.1	158.0	168.8	179.3	187.9	194.7	202.5	209.4	215.1	217.7
-50°	123.9	135.1	145.1	154.7	163.2	170.3	175.8	183.0	189.1	193.3	195.5
-52.5°	113.9	123.3	133.0	141.4	148.7	154.7	159.9	165.6	170.6	174.1	177.6
-55°	103.9	112.7	121.1	128.8	135.2	140.4	145.6	150.2	153.6	156.8	161.1
-57.5°	94.6	102.6	110.0	116.7	122.5	127.2	132.2	136.0	139.1	141.3	145.3
-60°	85.6	92.8	99.5	105.4	110.4	115.0	119.3	122.9	125.6	127.8	131.0
-62.5°	76.8	83.3	89.3	94.7	99.2	103.2	107.1	110.3	112.8	115.1	117.4
-65°	69.0	74.1	79.3	84.2	88.4	92.1	95.3	98.1	100.5	102.8	104.5
-67.5°	61.1	65.7	69.9	73.9	77.8	81.2	83.8	86.2	88.3	90.6	92.5
-70°	53.7	57.3	61.0	64.3	67.5	70.7	73.3	75.3	76.7	78.4	80.1
-72.5°	46.5	49.8	52.6	55.0	57.6	60.2	62.7	65.0	66.6	67.7	68.6
-75°	39.5	42.3	44.8	47.0	48.7	50.2	51.6	53.4	55.1	56.4	57.4
-77.5°	32.6	34.8	36.9	39.0	40.4	41.4	42.3	43.1	44.1	45.1	45.9
-80°	25.8	27.3	28.9	30.4	31.6	32.5	33.2	33.6	34.3	35.1	35.7
-82.5°	19.2	20.5	21.6	22.6	23.3	23.8	24.3	24.8	25.2	25.6	25.9
-85°	12.6	13.7	14.7	15.5	16.0	16.3	16.6	16.9	16.7	16.5	16.3
-87.5°	6.3	6.8	7.4	7.9	8.1	8.4	8.5	8.7	8.3	7.9	7.3
-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: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

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°	8.9	8.9	8.9	8.8	8.7	8.5	8.4	8.2	7.9	8.0	8.1
85°	21.5	21.9	22.3	22.6	22.9	22.9	22.8	22.6	22.3	22.6	22.8
82.5°	39.5	40.0	40.3	40.2	39.8	39.6	39.2	38.7	38.1	38.2	38.3
80°	61.7	61.8	61.6	61.0	60.0	59.4	58.7	57.7	56.4	56.7	57.0
77.5°	86.3	86.9	87.0	86.4	85.1	84.3	83.2	81.7	79.7	79.7	79.7
75°	116.9	117.5	117.6	116.9	115.4	114.3	112.9	110.9	108.3	107.9	107.7
72.5°	151.0	151.8	151.9	151.8	150.8	149.7	148.0	145.5	142.2	141.1	140.5
70°	188.9	190.4	191.4	191.8	191.9	191.0	189.5	186.9	183.3	181.4	180.0
67.5°	232.1	235.0	237.7	238.7	238.9	238.3	237.6	235.8	233.0	231.0	229.2
65°	281.1	285.4	289.2	291.1	291.1	291.4	292.3	291.6	289.3	287.6	287.2
62.5°	335.5	342.1	348.6	352.5	353.4	353.1	356.6	357.6	356.3	354.8	355.1
60°	398.7	407.9	415.7	421.7	426.2	429.1	433.2	434.1	431.5	427.7	428.7
57.5°	467.0	478.0	486.5	497.8	506.9	513.7	517.8	519.3	518.4	515.7	517.8
55°	541.6	556.2	565.6	580.7	593.9	603.5	609.8	614.9	617.7	618.0	623.2
52.5°	623.8	643.8	656.3	670.4	687.1	698.9	706.5	716.5	723.0	725.7	732.1
50°	720.7	742.3	757.5	767.8	789.5	805.2	813.4	825.4	834.7	837.9	843.3
47.5°	828.3	853.3	874.0	884.2	907.4	928.2	937.8	947.3	959.3	962.2	965.4
45°	948.8	985.4	1010.5	1029.4	1047.1	1073.3	1086.7	1092.0	1107.7	1113.1	1114.0
42.5°	1100.1	1138.7	1174.3	1201.6	1215.3	1246.7	1268.8	1273.1	1291.7	1298.4	1292.5
40°	1280.6	1315.1	1369.9	1404.4	1427.6	1454.9	1488.7	1500.6	1512.3	1522.9	1517.7
37.5°	1475.3	1529.8	1594.6	1644.1	1678.4	1705.3	1747.0	1765.4	1769.8	1798.7	1798.9
35°	1674.8	1741.6	1840.7	1905.4	1949.1	1995.6	2043.3	2082.0	2108.0	2131.5	2135.8
32.5°	1845.3	1918.8	2032.2	2155.7	2209.3	2265.5	2362.5	2391.9	2443.0	2475.1	2490.3
30°	1974.3	2029.3	2134.7	2301.0	2374.6	2434.6	2548.7	2602.7	2655.9	2735.3	2742.8
27.5°	1950.5	2056.3	2148.9	2272.0	2397.9	2455.0	2534.6	2638.9	2667.0	2767.2	2774.5
25°	1873.5	1984.1	2069.8	2169.4	2266.0	2336.9	2407.7	2476.2	2525.4	2573.2	2614.1
22.5°	1775.3	1873.8	1956.8	2038.6	2117.0	2183.9	2243.1	2297.9	2344.2	2382.4	2418.4
20°	1674.3	1767.4	1847.6	1915.7	1979.3	2042.4	2095.7	2141.9	2182.0	2217.5	2243.8
17.5°	1601.1	1663.8	1744.1	1812.6	1867.7	1915.4	1966.8	2006.8	2041.9	2074.7	2096.5
15°	1549.1	1609.0	1659.5	1718.7	1777.2	1821.9	1854.5	1895.7	1925.9	1952.6	1973.0
12.5°	1498.1	1562.4	1617.4	1662.4	1699.6	1751.1	1788.1	1812.4	1844.0	1861.3	1880.9
10°	1455.7	1518.1	1578.2	1628.5	1670.3	1706.9	1740.6	1773.2	1795.9	1814.3	1826.2
7.5°	1426.6	1488.0	1544.8	1596.4	1641.8	1682.5	1717.7	1746.8	1772.0	1788.1	1799.5
5°	1394.7	1456.0	1512.1	1562.8	1606.9	1651.0	1691.2	1722.7	1743.9	1762.7	1777.6
2.5°	1362.5	1423.6	1477.2	1526.2	1567.8	1609.6	1646.7	1676.0	1702.0	1720.5	1735.1
0°	1331.2	1395.5	1444.8	1492.7	1533.7	1573.4	1607.6	1636.3	1661.0	1681.5	1693.8
-2.5°	1300.9	1362.3	1416.6	1465.6	1507.4	1546.4	1579.8	1609.9	1634.7	1654.2	1669.6
-5°	1255.4	1314.5	1369.7	1418.8	1464.8	1506.2	1543.0	1575.1	1596.4	1616.4	1631.6
-7.5°	1197.8	1257.7	1314.5	1365.8	1411.1	1444.5	1473.9	1504.7	1533.3	1549.3	1565.6
-10°	1134.9	1194.8	1246.3	1288.9	1325.3	1357.4	1387.5	1416.0	1435.9	1453.8	1461.8
-12.5°	1066.0	1120.9	1167.0	1203.1	1235.6	1273.9	1302.9	1322.4	1346.1	1358.1	1372.5
-15°	994.1	1044.3	1085.6	1124.5	1164.8	1198.6	1222.8	1249.9	1269.0	1287.6	1298.8
-17.5°	920.2	965.7	1013.8	1056.9	1093.8	1125.7	1155.8	1180.3	1202.9	1220.9	1234.6
-20°	847.1	894.1	940.2	981.8	1019.2	1053.6	1083.4	1108.7	1133.3	1150.7	1165.0



REPORT NUMBER: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	774.0	818.3	860.8	900.5	937.7	971.8	1001.3	1026.8	1049.8	1069.8	1083.6
-25°	697.7	738.5	776.2	810.5	843.6	878.8	906.2	930.4	952.0	972.0	986.8
-27.5°	620.8	655.5	687.4	716.8	744.2	772.7	799.5	821.1	842.3	856.9	874.3
-30°	545.2	574.6	600.1	621.5	646.6	669.1	688.4	707.8	725.8	740.6	754.7
-32.5°	481.0	499.3	517.3	534.6	553.2	570.1	582.1	598.3	606.5	618.4	631.0
-35°	421.1	434.7	442.8	459.1	470.9	480.3	491.6	501.6	502.8	515.3	521.2
-37.5°	365.5	375.8	385.7	393.6	400.9	405.4	416.1	421.3	422.6	430.9	433.9
-40°	318.1	321.8	335.1	341.1	343.1	347.6	355.6	357.5	361.3	366.1	365.7
-42.5°	278.5	285.3	291.9	297.3	298.2	304.5	308.8	308.7	314.8	318.5	318.9
-45°	246.8	254.5	259.5	262.6	265.5	270.6	272.9	274.1	279.2	282.2	283.6
-47.5°	222.5	228.0	232.4	234.4	238.9	242.8	244.6	247.4	251.3	253.7	255.1
-50°	201.0	205.3	208.8	211.5	216.0	219.1	220.7	224.2	227.5	229.8	231.1
-52.5°	182.2	186.1	188.4	191.3	195.2	198.0	200.0	203.5	206.2	208.1	208.9
-55°	165.6	169.0	171.1	174.0	176.6	178.7	181.0	183.9	186.2	187.9	188.4
-57.5°	149.4	152.8	155.6	157.8	159.6	161.0	163.0	165.3	167.1	168.3	168.7
-60°	133.9	136.5	139.2	141.5	143.3	144.4	146.2	147.9	149.2	150.0	150.0
-62.5°	119.5	121.4	123.6	125.4	126.7	127.7	129.5	130.9	132.0	132.6	132.5
-65°	105.8	107.1	109.0	110.4	111.5	112.5	113.9	115.0	115.7	115.9	115.8
-67.5°	93.7	94.5	95.5	96.5	97.4	98.3	99.4	100.3	101.0	101.3	101.4
-70°	81.5	82.5	83.2	83.6	83.8	84.4	85.3	86.0	86.4	86.6	86.6
-72.5°	69.3	70.0	70.5	70.8	70.9	71.3	71.7	72.0	72.1	72.1	71.9
-75°	58.0	58.5	58.9	59.1	59.1	59.2	59.4	59.4	59.2	59.2	59.1
-77.5°	46.6	47.1	47.5	47.7	47.8	47.9	47.9	47.8	47.5	47.4	47.2
-80°	36.3	36.7	36.9	37.0	37.0	37.1	37.2	37.2	37.0	37.1	37.0
-82.5°	26.2	26.4	26.5	26.6	26.7	26.9	27.1	27.2	27.3	27.4	27.4
-85°	16.1	16.1	16.0	15.9	15.8	15.4	15.1	14.7	14.3	13.9	13.4
-87.5°	6.7	6.6	6.5	6.3	6.2	5.7	5.1	4.6	4.0	4.0	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: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

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°	8.1	8.2	8.9	9.6	8.9	8.2	8.1	8.1	8.0	7.9	8.2
85°	23.0	23.2	23.3	23.3	23.3	23.2	23.0	22.8	22.6	22.3	22.6
82.5°	38.3	38.1	38.3	38.3	38.3	38.1	38.3	38.3	38.2	38.1	38.7
80°	57.2	57.2	56.7	56.1	56.7	57.2	57.2	57.0	56.7	56.4	57.7
77.5°	79.5	79.0	77.9	76.6	77.9	79.0	79.5	79.7	79.7	79.7	81.7
75°	107.1	106.2	105.2	104.0	105.2	106.2	107.1	107.7	107.9	108.3	110.9
72.5°	139.3	137.6	138.0	138.2	138.0	137.6	139.3	140.5	141.1	142.2	145.5
70°	177.6	174.5	174.8	175.1	174.8	174.5	177.6	180.0	181.4	183.3	186.9
67.5°	226.2	222.2	221.9	221.6	221.9	222.2	226.2	229.2	231.0	233.0	235.8
65°	285.8	283.2	280.9	277.7	280.9	283.2	285.8	287.2	287.6	289.3	291.6
62.5°	353.5	350.2	349.6	348.9	349.6	350.2	353.5	355.1	354.8	356.3	357.6
60°	427.9	425.1	425.4	425.5	425.4	425.1	427.9	428.7	427.7	431.5	434.1
57.5°	516.8	512.8	512.1	511.7	512.1	512.8	516.8	517.8	515.7	518.4	519.3
55°	625.9	625.6	623.9	619.8	623.9	625.6	625.9	623.2	618.0	617.7	614.9
52.5°	737.0	738.5	738.0	734.7	738.0	738.5	737.0	732.1	725.7	723.0	716.5
50°	848.3	848.9	848.9	848.3	848.9	848.9	848.3	843.3	837.9	834.7	825.4
47.5°	972.3	973.9	972.7	968.7	972.7	973.9	972.3	965.4	962.2	959.3	947.3
45°	1121.7	1121.0	1116.5	1111.0	1116.5	1121.0	1121.7	1114.0	1113.1	1107.7	1092.0
42.5°	1302.0	1301.5	1296.0	1290.2	1296.0	1301.5	1302.0	1292.5	1298.4	1291.7	1273.1
40°	1531.8	1535.7	1529.3	1517.3	1529.3	1535.7	1531.8	1517.7	1522.9	1512.3	1500.6
37.5°	1809.2	1815.4	1807.3	1795.0	1807.3	1815.4	1809.2	1798.9	1798.7	1769.8	1765.4
35°	2145.0	2157.0	2147.7	2126.1	2147.7	2157.0	2145.0	2135.8	2131.5	2108.0	2082.0
32.5°	2514.6	2537.2	2537.0	2532.5	2537.0	2537.2	2514.6	2490.3	2475.1	2443.0	2391.9
30°	2785.2	2815.1	2837.3	2839.0	2837.3	2815.1	2785.2	2742.8	2735.3	2655.9	2602.7
27.5°	2815.1	2846.4	2886.1	2901.9	2886.1	2846.4	2815.1	2774.5	2767.2	2667.0	2638.9
25°	2644.5	2661.6	2682.3	2695.3	2682.3	2661.6	2644.5	2614.1	2573.2	2525.4	2476.2
22.5°	2440.2	2459.8	2471.0	2483.2	2471.0	2459.8	2440.2	2418.4	2382.4	2344.2	2297.9
20°	2268.4	2293.9	2299.5	2308.1	2299.5	2293.9	2268.4	2243.8	2217.5	2182.0	2141.9
17.5°	2120.0	2136.7	2142.9	2159.0	2142.9	2136.7	2120.0	2096.5	2074.7	2041.9	2006.8
15°	1990.8	2000.1	2004.7	2011.2	2004.7	2000.1	1990.8	1973.0	1952.6	1925.9	1895.7
12.5°	1890.9	1899.6	1899.1	1900.4	1899.1	1899.6	1890.9	1880.9	1861.3	1844.0	1812.4
10°	1832.8	1839.9	1842.5	1840.2	1842.5	1839.9	1832.8	1826.2	1814.3	1795.9	1773.2
7.5°	1808.2	1809.3	1812.8	1812.8	1812.8	1809.3	1808.2	1799.5	1788.1	1772.0	1746.8
5°	1784.9	1789.6	1785.7	1793.7	1785.7	1789.6	1784.9	1777.6	1762.7	1743.9	1722.7
2.5°	1742.6	1747.5	1744.8	1737.6	1744.8	1747.5	1742.6	1735.1	1720.5	1702.0	1676.0
0°	1700.6	1708.9	1714.3	1707.5	1714.3	1708.9	1700.6	1693.8	1681.5	1661.0	1636.3
-2.5°	1677.1	1682.9	1681.8	1669.2	1681.8	1682.9	1677.1	1669.6	1654.2	1634.7	1609.9
-5°	1642.6	1644.7	1643.9	1645.9	1643.9	1644.7	1642.6	1631.6	1616.4	1596.4	1575.1
-7.5°	1571.1	1573.9	1576.7	1583.0	1576.7	1573.9	1571.1	1565.6	1549.3	1533.3	1504.7
-10°	1468.4	1474.1	1470.6	1473.5	1470.6	1474.1	1468.4	1461.8	1453.8	1435.9	1416.0
-12.5°	1378.7	1382.5	1379.3	1380.5	1379.3	1382.5	1378.7	1372.5	1358.1	1346.1	1322.4
-15°	1308.8	1313.1	1313.9	1316.2	1313.9	1313.1	1308.8	1298.8	1287.6	1269.0	1249.9
-17.5°	1243.2	1251.1	1256.6	1258.7	1256.6	1251.1	1243.2	1234.6	1220.9	1202.9	1180.3
-20°	1175.4	1185.0	1193.0	1194.4	1193.0	1185.0	1175.4	1165.0	1150.7	1133.3	1108.7



REPORT NUMBER: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1095.6	1105.2	1114.0	1116.4	1114.0	1105.2	1095.6	1083.6	1069.8	1049.8	1026.8
-25°	998.6	1010.3	1017.8	1017.9	1017.8	1010.3	998.6	986.8	972.0	952.0	930.4
-27.5°	884.9	896.2	901.1	901.6	901.1	896.2	884.9	874.3	856.9	842.3	821.1
-30°	762.9	771.9	772.1	771.7	772.1	771.9	762.9	754.7	740.6	725.8	707.8
-32.5°	637.7	642.7	639.8	638.9	639.8	642.7	637.7	631.0	618.4	606.5	598.3
-35°	523.2	522.8	518.6	521.3	518.6	522.8	523.2	521.2	515.3	502.8	501.6
-37.5°	436.6	435.5	431.9	433.7	431.9	435.5	436.6	433.9	430.9	422.6	421.3
-40°	368.3	368.7	367.8	368.0	367.8	368.7	368.3	365.7	366.1	361.3	357.5
-42.5°	320.4	319.9	319.0	318.8	319.0	319.9	320.4	318.9	318.5	314.8	308.7
-45°	284.4	283.4	282.6	283.2	282.6	283.4	284.4	283.6	282.2	279.2	274.1
-47.5°	256.2	256.4	256.2	255.8	256.2	256.4	256.2	255.1	253.7	251.3	247.4
-50°	231.4	230.8	230.8	231.2	230.8	230.8	231.4	231.1	229.8	227.5	224.2
-52.5°	209.2	208.7	208.5	208.0	208.5	208.7	209.2	208.9	208.1	206.2	203.5
-55°	188.1	187.1	186.6	186.1	186.6	187.1	188.1	188.4	187.9	186.2	183.9
-57.5°	168.5	167.9	167.5	166.9	167.5	167.9	168.5	168.7	168.3	167.1	165.3
-60°	149.6	148.7	148.3	147.8	148.3	148.7	149.6	150.0	150.0	149.2	147.9
-62.5°	132.0	131.0	131.1	131.3	131.1	131.0	132.0	132.5	132.6	132.0	130.9
-65°	115.4	114.6	114.8	114.9	114.8	114.6	115.4	115.8	115.9	115.7	115.0
-67.5°	101.3	100.8	100.5	99.9	100.5	100.8	101.3	101.4	101.3	101.0	100.3
-70°	86.3	85.9	85.4	84.8	85.4	85.9	86.3	86.6	86.6	86.4	86.0
-72.5°	71.5	70.9	71.0	71.1	71.0	70.9	71.5	71.9	72.1	72.1	72.0
-75°	58.9	58.6	58.7	58.8	58.7	58.6	58.9	59.1	59.2	59.2	59.4
-77.5°	46.8	46.3	46.5	46.5	46.5	46.3	46.8	47.2	47.4	47.5	47.8
-80°	36.9	36.8	36.2	35.6	36.2	36.8	36.9	37.0	37.1	37.0	37.2
-82.5°	27.4	27.2	27.4	27.4	27.4	27.2	27.4	27.4	27.4	27.3	27.2
-85°	12.8	12.2	12.3	12.3	12.3	12.2	12.8	13.4	13.9	14.3	14.7
-87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	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



REPORT NUMBER: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

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°	8.4	8.5	8.7	8.8	8.9	8.9	8.9	9.2	9.4	9.6	9.7
85°	22.8	22.9	22.9	22.6	22.3	21.9	21.5	22.3	22.9	23.3	23.3
82.5°	39.2	39.6	39.8	40.2	40.3	40.0	39.5	39.8	40.1	40.2	40.1
80°	58.7	59.4	60.0	61.0	61.6	61.8	61.7	61.3	60.4	59.4	58.5
77.5°	83.2	84.3	85.1	86.4	87.0	86.9	86.3	85.9	85.5	84.3	81.9
75°	112.9	114.3	115.4	116.9	117.6	117.5	116.9	115.8	114.1	111.7	107.9
72.5°	148.0	149.7	150.8	151.8	151.9	151.8	151.0	149.1	146.0	141.8	136.1
70°	189.5	191.0	191.9	191.8	191.4	190.4	188.9	186.2	181.7	176.7	169.4
67.5°	237.6	238.3	238.9	238.7	237.7	235.0	232.1	227.5	222.7	216.5	206.0
65°	292.3	291.4	291.1	291.1	289.2	285.4	281.1	275.8	269.1	259.9	246.1
62.5°	356.6	353.1	353.4	352.5	348.6	342.1	335.5	328.7	319.5	307.0	292.2
60°	433.2	429.1	426.2	421.7	415.7	407.9	398.7	387.2	373.6	360.1	342.1
57.5°	517.8	513.7	506.9	497.8	486.5	478.0	467.0	451.5	435.1	418.4	396.7
55°	609.8	603.5	593.9	580.7	565.6	556.2	541.6	523.6	504.3	482.3	459.5
52.5°	706.5	698.9	687.1	670.4	656.3	643.8	623.8	603.3	581.8	558.3	528.2
50°	813.4	805.2	789.5	767.8	757.5	742.3	720.7	692.1	671.2	642.9	605.9
47.5°	937.8	928.2	907.4	884.2	874.0	853.3	828.3	800.1	775.7	737.7	695.8
45°	1086.7	1073.3	1047.1	1029.4	1010.5	985.4	948.8	927.1	892.8	849.9	793.9
42.5°	1268.8	1246.7	1215.3	1201.6	1174.3	1138.7	1100.1	1071.9	1028.3	972.6	907.0
40°	1488.7	1454.9	1427.6	1404.4	1369.9	1315.1	1280.6	1235.2	1182.0	1112.6	1019.2
37.5°	1747.0	1705.3	1678.4	1644.1	1594.6	1529.8	1475.3	1420.2	1350.3	1240.2	1131.6
35°	2043.3	1995.6	1949.1	1905.4	1840.7	1741.6	1674.8	1609.3	1506.8	1352.3	1233.4
32.5°	2362.5	2265.5	2209.3	2155.7	2032.2	1918.8	1845.3	1791.6	1598.3	1439.4	1317.9
30°	2548.7	2434.6	2374.6	2301.0	2134.7	2029.3	1974.3	1818.8	1644.4	1496.1	1380.1
27.5°	2534.6	2455.0	2397.9	2272.0	2148.9	2056.3	1950.5	1802.8	1649.0	1513.4	1405.9
25°	2407.7	2336.9	2266.0	2169.4	2069.8	1984.1	1873.5	1742.7	1610.7	1494.9	1377.5
22.5°	2243.1	2183.9	2117.0	2038.6	1956.8	1873.8	1775.3	1662.6	1552.5	1450.1	1336.8
20°	2095.7	2042.4	1979.3	1915.7	1847.6	1767.4	1674.3	1583.9	1498.5	1400.5	1291.6
17.5°	1966.8	1915.4	1867.7	1812.6	1744.1	1663.8	1601.1	1529.6	1445.0	1349.0	1243.1
15°	1854.5	1821.9	1777.2	1718.7	1659.5	1609.0	1549.1	1476.7	1390.9	1294.4	1197.4
12.5°	1788.1	1751.1	1699.6	1662.4	1617.4	1562.4	1498.1	1422.7	1341.7	1262.1	1176.9
10°	1740.6	1706.9	1670.3	1628.5	1578.2	1518.1	1455.7	1389.2	1316.3	1238.0	1153.7
7.5°	1717.7	1682.5	1641.8	1596.4	1544.8	1488.0	1426.6	1360.4	1287.5	1210.7	1127.5
5°	1691.2	1651.0	1606.9	1562.8	1512.1	1456.0	1394.7	1328.7	1255.1	1179.9	1098.0
2.5°	1646.7	1609.6	1567.8	1526.2	1477.2	1423.6	1362.5	1299.4	1227.9	1154.6	1075.6
0°	1607.6	1573.4	1533.7	1492.7	1444.8	1395.5	1331.2	1271.0	1201.3	1127.4	1049.4
-2.5°	1579.8	1546.4	1507.4	1465.6	1416.6	1362.3	1300.9	1237.9	1169.1	1094.2	1018.1
-5°	1543.0	1506.2	1464.8	1418.8	1369.7	1314.5	1255.4	1193.1	1127.4	1055.1	983.0
-7.5°	1473.9	1444.5	1411.1	1365.8	1314.5	1257.7	1197.8	1135.2	1070.2	1000.6	930.3
-10°	1387.5	1357.4	1325.3	1288.9	1246.3	1194.8	1134.9	1072.9	1009.0	942.6	874.4
-12.5°	1302.9	1273.9	1235.6	1203.1	1167.0	1120.9	1066.0	1007.0	944.1	881.1	815.7
-15°	1222.8	1198.6	1164.8	1124.5	1085.6	1044.3	994.1	940.5	880.3	818.5	754.6
-17.5°	1155.8	1125.7	1093.8	1056.9	1013.8	965.7	920.2	870.4	815.2	757.7	697.2
-20°	1083.4	1053.6	1019.2	981.8	940.2	894.1	847.1	798.3	747.7	695.3	640.6



REPORT NUMBER: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1001.3	971.8	937.7	900.5	860.8	818.3	774.0	727.0	677.9	632.0	584.4
-25°	906.2	878.8	843.6	810.5	776.2	738.5	697.7	655.9	613.3	570.0	529.5
-27.5°	799.5	772.7	744.2	716.8	687.4	655.5	620.8	585.3	551.0	514.9	478.6
-30°	688.4	669.1	646.6	621.5	600.1	574.6	545.2	520.3	492.5	462.1	431.4
-32.5°	582.1	570.1	553.2	534.6	517.3	499.3	481.0	458.5	436.1	412.6	388.3
-35°	491.6	480.3	470.9	459.1	442.8	434.7	421.1	403.3	384.1	365.6	347.8
-37.5°	416.1	405.4	400.9	393.6	385.7	375.8	365.5	353.7	336.9	324.9	311.6
-40°	355.6	347.6	343.1	341.1	335.1	321.8	318.1	309.7	300.7	288.3	278.3
-42.5°	308.8	304.5	298.2	297.3	291.9	285.3	278.5	274.9	268.1	258.8	249.6
-45°	272.9	270.6	265.5	262.6	259.5	254.5	246.8	244.3	239.5	232.9	223.5
-47.5°	244.6	242.8	238.9	234.4	232.4	228.0	222.5	217.7	215.1	209.4	202.5
-50°	220.7	219.1	216.0	211.5	208.8	205.3	201.0	195.5	193.3	189.1	183.0
-52.5°	200.0	198.0	195.2	191.3	188.4	186.1	182.2	177.6	174.1	170.6	165.6
-55°	181.0	178.7	176.6	174.0	171.1	169.0	165.6	161.1	156.8	153.6	150.2
-57.5°	163.0	161.0	159.6	157.8	155.6	152.8	149.4	145.3	141.3	139.1	136.0
-60°	146.2	144.4	143.3	141.5	139.2	136.5	133.9	131.0	127.8	125.6	122.9
-62.5°	129.5	127.7	126.7	125.4	123.6	121.4	119.5	117.4	115.1	112.8	110.3
-65°	113.9	112.5	111.5	110.4	109.0	107.1	105.8	104.5	102.8	100.5	98.1
-67.5°	99.4	98.3	97.4	96.5	95.5	94.5	93.7	92.5	90.6	88.3	86.2
-70°	85.3	84.4	83.8	83.6	83.2	82.5	81.5	80.1	78.4	76.7	75.3
-72.5°	71.7	71.3	70.9	70.8	70.5	70.0	69.3	68.6	67.7	66.6	65.0
-75°	59.4	59.2	59.1	59.1	58.9	58.5	58.0	57.4	56.4	55.1	53.4
-77.5°	47.9	47.9	47.8	47.7	47.5	47.1	46.6	45.9	45.1	44.1	43.1
-80°	37.2	37.1	37.0	37.0	36.9	36.7	36.3	35.7	35.1	34.3	33.6
-82.5°	27.1	26.9	26.7	26.6	26.5	26.4	26.2	25.9	25.6	25.2	24.8
-85°	15.1	15.4	15.8	15.9	16.0	16.1	16.1	16.3	16.5	16.7	16.9
-87.5°	5.1	5.7	6.2	6.3	6.5	6.6	6.7	7.3	7.9	8.3	8.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

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°	9.3	8.8	8.3	7.9	7.5	7.2	6.8	6.3	5.7	5.1	4.5
85°	22.1	20.7	19.2	17.5	16.0	14.3	13.5	12.7	11.5	10.2	9.0
82.5°	38.3	36.5	34.6	32.4	29.9	27.3	24.6	21.9	18.7	15.6	13.5
80°	56.6	54.3	51.6	48.4	44.5	40.2	36.6	32.7	28.4	24.2	19.9
77.5°	78.0	73.9	69.5	65.7	61.2	56.1	50.6	44.3	38.1	32.7	27.3
75°	102.0	96.5	91.0	85.1	78.8	72.1	65.8	58.3	49.6	41.3	34.6
72.5°	129.5	122.2	114.0	105.4	98.1	90.2	81.8	72.0	61.6	51.7	42.2
70°	160.1	149.7	139.8	130.0	119.4	108.4	98.8	86.8	73.5	62.0	51.0
67.5°	193.6	182.2	169.4	155.6	143.1	130.3	116.4	101.5	86.5	72.0	59.5
65°	232.7	217.5	200.9	186.3	169.6	152.5	137.3	117.0	99.2	83.1	67.9
62.5°	274.8	255.8	238.0	218.6	199.1	179.1	157.5	134.4	112.2	93.8	76.8
60°	320.8	299.5	277.0	255.6	231.7	207.2	180.9	151.3	127.1	104.2	85.7
57.5°	373.7	345.6	322.7	295.7	267.7	238.6	204.3	170.5	141.4	116.2	94.2
55°	430.4	401.0	372.3	341.7	307.3	273.1	228.6	190.2	155.9	128.3	102.1
52.5°	494.8	461.8	428.3	391.3	352.6	306.6	255.1	208.7	172.2	139.8	111.2
50°	565.9	529.6	489.3	446.2	399.8	342.3	279.9	230.3	187.5	151.4	120.0
47.5°	647.5	604.7	557.0	504.4	452.6	375.3	307.7	250.8	201.8	163.8	128.1
45°	741.2	685.7	629.7	570.4	494.0	409.2	334.6	269.8	218.6	174.5	135.5
42.5°	838.4	774.2	708.3	637.8	536.0	441.4	358.9	291.0	234.1	184.1	143.2
40°	941.0	866.0	789.6	692.9	574.3	470.5	384.6	310.5	248.1	193.5	150.7
37.5°	1040.9	958.3	875.1	733.4	608.2	500.8	408.1	327.8	260.2	203.8	157.4
35°	1136.4	1048.4	914.9	768.0	639.1	526.5	428.5	344.2	272.6	212.7	163.1
32.5°	1222.5	1103.1	942.5	795.4	663.6	547.5	447.5	358.8	283.0	220.5	168.1
30°	1274.3	1115.3	959.6	813.9	681.8	565.5	463.1	370.7	291.5	226.9	172.6
27.5°	1264.6	1116.3	965.6	823.2	693.7	578.2	474.1	379.8	297.9	232.7	177.7
25°	1243.9	1102.1	959.4	823.6	698.5	586.6	482.0	386.2	304.1	237.8	181.8
22.5°	1211.3	1078.1	944.0	815.5	702.3	590.9	487.1	391.8	308.9	241.3	184.9
20°	1172.9	1046.4	923.8	814.0	702.2	592.3	489.4	394.8	311.6	243.4	187.0
17.5°	1128.5	1020.7	915.7	807.8	698.3	590.1	488.5	395.2	312.3	244.1	188.3
15°	1105.1	1006.7	903.9	798.0	690.7	584.6	484.5	393.2	311.1	243.5	188.9
12.5°	1085.6	989.0	888.5	784.7	679.7	575.9	477.6	388.9	308.0	242.5	189.1
10°	1062.9	967.5	869.6	767.9	665.4	564.0	468.0	383.1	305.7	241.3	188.4
7.5°	1037.0	942.4	847.2	747.8	648.6	551.9	459.8	376.6	302.4	239.0	186.8
5°	1010.1	918.5	827.0	730.3	633.2	540.0	450.3	368.1	297.7	235.9	184.5
2.5°	989.8	898.7	807.1	710.7	614.8	525.7	438.8	357.9	291.7	231.9	181.5
0°	965.9	875.6	784.0	688.2	593.8	509.0	425.5	346.1	284.6	227.1	177.9
-2.5°	934.0	845.2	755.7	664.3	574.3	491.8	412.2	336.9	277.6	222.5	175.0
-5°	898.6	811.6	724.5	637.8	552.6	472.7	397.3	326.5	269.6	217.2	171.7
-7.5°	851.7	770.3	689.2	608.6	528.7	452.0	381.0	315.1	260.9	211.2	167.9
-10°	800.0	723.9	649.2	574.7	501.4	430.2	363.9	302.8	251.4	204.7	163.6
-12.5°	745.5	675.7	607.6	539.4	472.5	407.6	346.8	290.4	241.5	197.7	159.0
-15°	688.5	626.4	564.5	503.2	442.8	384.3	329.0	277.8	232.3	190.7	154.0
-17.5°	631.3	576.2	520.5	466.5	412.5	360.5	310.9	264.6	222.6	183.8	149.1
-20°	584.0	530.8	476.2	429.5	381.9	336.6	292.6	251.1	212.6	176.6	144.1



REPORT NUMBER: P561394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-WAF-BK

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	537.1	489.5	440.8	393.7	352.3	312.6	274.3	237.3	202.4	169.1	138.9
-25°	490.1	448.6	406.9	365.5	324.7	290.7	256.9	223.2	191.9	161.3	133.3
-27.5°	444.9	409.0	373.2	337.7	302.5	269.5	240.2	210.5	181.7	153.3	127.5
-30°	401.5	372.2	342.0	311.0	280.5	251.8	223.8	197.9	171.9	145.7	121.4
-32.5°	362.4	336.3	312.5	286.6	260.2	234.5	208.6	185.4	162.1	138.3	115.7
-35°	327.7	305.5	284.4	262.8	241.0	218.4	194.9	173.3	152.2	130.7	110.1
-37.5°	294.7	278.1	259.1	240.6	222.2	202.4	182.4	162.5	142.4	122.9	104.3
-40°	266.7	252.4	236.1	220.7	204.6	186.6	170.0	152.1	133.2	115.0	98.5
-42.5°	240.0	228.8	215.8	201.6	187.7	173.1	157.8	141.6	124.5	107.8	92.6
-45°	216.4	207.1	196.8	185.0	171.6	159.9	146.3	131.2	115.8	101.0	86.8
-47.5°	194.7	187.9	179.3	168.8	158.0	147.1	134.9	121.7	107.2	94.2	81.3
-50°	175.8	170.3	163.2	154.7	145.1	135.1	123.9	112.2	99.8	87.6	75.7
-52.5°	159.9	154.7	148.7	141.4	133.0	123.3	113.9	102.9	92.3	81.2	69.9
-55°	145.6	140.4	135.2	128.8	121.1	112.7	103.9	94.6	84.7	74.8	64.2
-57.5°	132.2	127.2	122.5	116.7	110.0	102.6	94.6	86.3	77.6	68.4	59.4
-60°	119.3	115.0	110.4	105.4	99.5	92.8	85.6	78.2	70.6	62.2	54.6
-62.5°	107.1	103.2	99.2	94.7	89.3	83.3	76.8	70.7	63.6	56.8	49.7
-65°	95.3	92.1	88.4	84.2	79.3	74.1	69.0	63.2	57.3	51.2	44.8
-67.5°	83.8	81.2	77.8	73.9	69.9	65.7	61.1	56.3	51.1	45.7	39.9
-70°	73.3	70.7	67.5	64.3	61.0	57.3	53.7	49.5	44.9	40.2	35.0
-72.5°	62.7	60.2	57.6	55.0	52.6	49.8	46.5	42.9	39.0	34.7	30.0
-75°	51.6	50.2	48.7	47.0	44.8	42.3	39.5	36.5	33.1	29.2	25.5
-77.5°	42.3	41.4	40.4	39.0	36.9	34.8	32.6	30.2	27.2	24.2	21.1
-80°	33.2	32.5	31.6	30.4	28.9	27.3	25.8	24.0	21.6	19.1	16.7
-82.5°	24.3	23.8	23.3	22.6	21.6	20.5	19.2	17.7	15.9	14.1	12.3
-85°	16.6	16.3	16.0	15.5	14.7	13.7	12.6	11.6	10.5	9.4	8.2
-87.5°	8.5	8.4	8.1	7.9	7.4	6.8	6.3	5.8	5.2	4.7	4.1
-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°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
82.5°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
80°	15.7	12.9	10.4	7.8	5.2	2.6	0.0
77.5°	22.0	16.7	12.9	9.7	6.5	3.2	0.0
75°	28.1	21.7	15.7	11.6	7.8	3.9	0.0
72.5°	34.2	26.6	19.4	13.5	9.0	4.5	0.0
70°	40.3	31.3	23.1	15.5	10.2	5.1	0.0
67.5°	47.3	36.0	26.7	18.1	11.5	5.7	0.0
65°	54.1	40.9	30.2	20.7	12.7	6.3	0.0
62.5°	60.6	46.2	33.6	23.1	13.8	6.9	0.0
60°	66.9	51.2	36.9	25.5	15.0	7.5	0.0
57.5°	73.7	56.1	40.6	27.9	16.5	8.1	0.0
55°	80.2	60.7	44.2	30.1	17.9	8.6	0.0
52.5°	86.4	65.1	47.6	32.3	19.3	9.1	0.0
50°	92.2	69.8	50.8	34.3	20.7	9.6	0.0
47.5°	97.7	74.2	53.9	36.4	22.0	10.1	0.0
45°	104.0	78.3	56.7	38.5	23.2	10.6	0.0
42.5°	109.8	82.1	59.4	40.5	24.3	11.1	0.0
40°	115.0	85.6	62.0	42.3	25.4	11.5	0.0
37.5°	119.7	88.7	64.5	44.0	26.4	11.9	0.0
35°	123.9	92.0	66.9	45.6	27.4	12.3	0.0
32.5°	127.7	95.2	69.0	47.1	28.2	12.6	0.0
30°	131.6	97.9	70.8	48.4	29.0	13.0	0.0
27.5°	134.7	100.3	72.5	49.5	29.8	13.3	0.0
25°	137.3	102.2	74.0	50.6	30.4	13.6	0.0
22.5°	139.2	103.9	75.4	51.4	31.0	13.9	0.0
20°	140.5	105.5	76.5	52.2	31.5	14.1	0.0
17.5°	141.7	106.8	77.4	52.8	31.9	14.3	0.0
15°	142.9	107.7	78.1	53.3	32.3	14.5	0.0
12.5°	143.5	108.3	78.6	53.6	32.5	14.6	0.0
10°	143.6	108.6	78.8	53.8	32.7	14.8	0.0
7.5°	143.2	108.6	78.9	53.9	32.9	14.9	0.0
5°	142.4	108.3	78.8	53.9	32.9	14.9	0.0
2.5°	141.2	107.6	78.5	53.7	32.9	15.0	0.0
0°	139.6	106.7	78.0	53.4	32.8	15.0	0.0
-2.5°	137.7	105.5	77.4	53.2	32.7	15.0	0.0
-5°	135.5	104.0	76.7	52.8	32.6	14.9	0.0
-7.5°	133.0	102.3	75.7	52.3	32.3	14.9	0.0
-10°	130.1	100.4	74.6	51.7	32.0	14.8	0.0
-12.5°	126.9	98.2	73.4	51.0	31.7	14.6	0.0
-15°	123.3	95.9	71.9	50.3	31.3	14.5	0.0
-17.5°	119.6	93.4	70.4	49.3	30.8	14.3	0.0
-20°	115.7	90.7	68.7	48.4	30.3	14.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	111.9	87.8	66.8	47.3	29.7	13.9	0.0
-25°	107.9	85.1	64.9	46.1	29.0	13.6	0.0
-27.5°	103.7	82.2	62.8	44.8	28.3	13.3	0.0
-30°	99.4	79.2	60.6	43.4	27.5	13.0	0.0
-32.5°	94.8	76.0	58.4	42.0	26.7	12.6	0.0
-35°	90.6	72.7	56.1	40.5	25.9	12.3	0.0
-37.5°	86.3	69.4	53.7	38.9	25.0	11.9	0.0
-40°	82.0	66.2	51.2	37.2	24.0	11.5	0.0
-42.5°	77.5	62.9	48.8	35.5	23.0	11.1	0.0
-45°	72.8	59.6	46.4	33.7	22.0	10.6	0.0
-47.5°	68.1	56.2	43.9	31.8	20.9	10.1	0.0
-50°	63.8	52.7	41.3	30.1	19.8	9.6	0.0
-52.5°	59.6	49.1	38.7	28.3	18.6	9.1	0.0
-55°	55.4	45.7	36.0	26.6	17.4	8.6	0.0
-57.5°	51.1	42.3	33.2	24.7	16.2	8.1	0.0
-60°	46.8	38.8	30.3	22.9	15.0	7.5	0.0
-62.5°	42.6	35.2	27.9	21.0	13.8	6.9	0.0
-65°	38.3	31.5	25.3	19.1	12.7	6.3	0.0
-67.5°	33.9	28.1	22.8	17.1	11.5	5.7	0.0
-70°	29.5	24.9	20.2	15.1	10.2	5.1	0.0
-72.5°	25.6	21.7	17.5	13.2	9.0	4.5	0.0
-75°	21.8	18.5	14.9	11.4	7.8	3.9	0.0
-77.5°	18.0	15.2	12.4	9.5	6.5	3.2	0.0
-80°	14.2	12.1	9.9	7.6	5.2	2.6	0.0
-82.5°	10.6	9.1	7.5	5.7	3.9	2.0	0.0
-85°	7.1	6.1	5.0	3.8	2.6	1.3	0.0
-87.5°	3.5	3.0	2.5	1.9	1.3	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)