

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: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2D-940-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558714 (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-SA2D-940-U-WAF-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

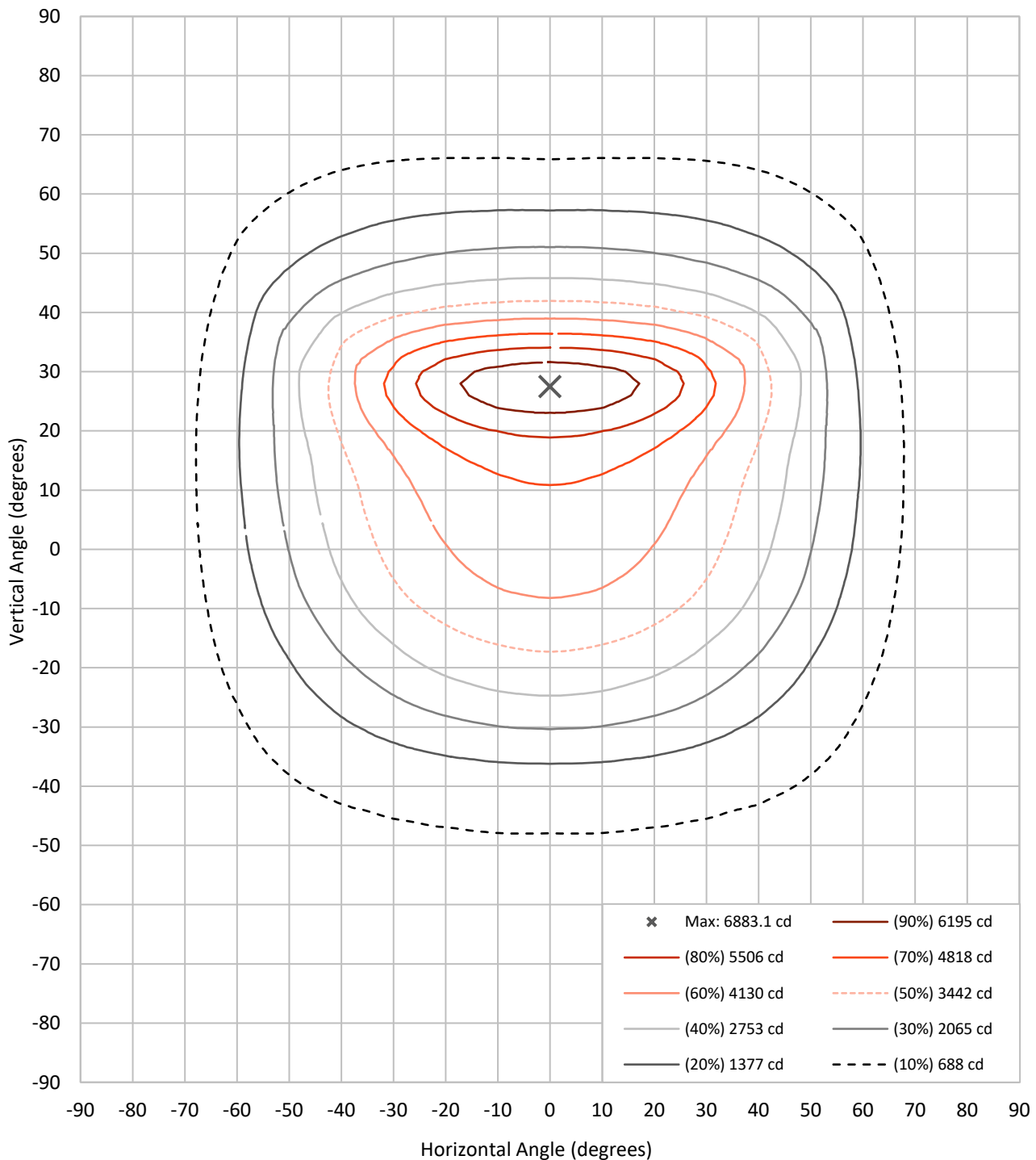
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	10034.4 lumens	Max Intensity:	6883.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	91.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	5214.9 lumens	Field Lumens:	9282.7 lumens
Beam Efficiency:	52.0%	Field Efficiency:	92.5%
Input Watts (W):	110		
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		



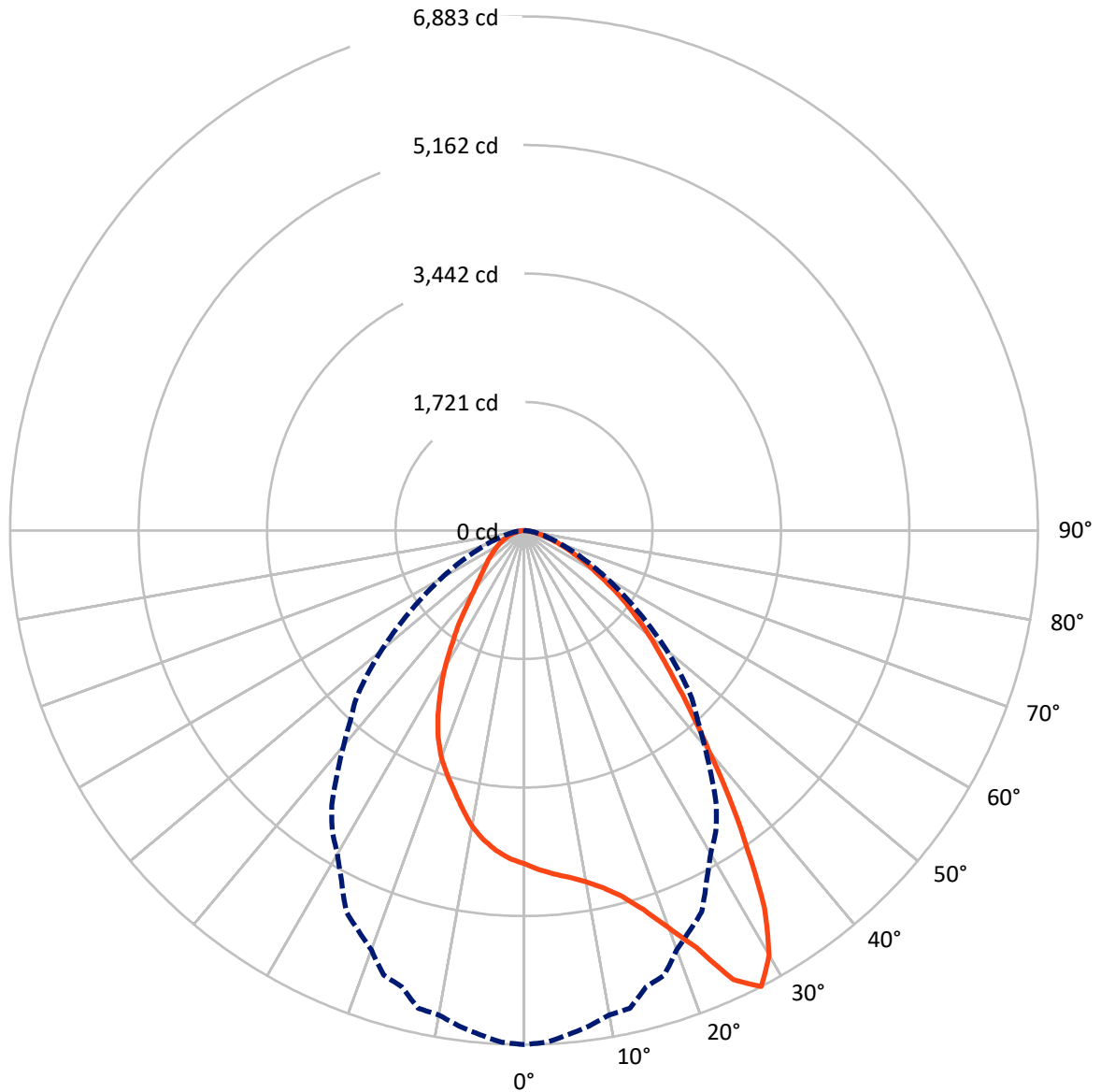
REPORT NUMBER: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-940-U-WAF-XX

Iso-Candela Plot



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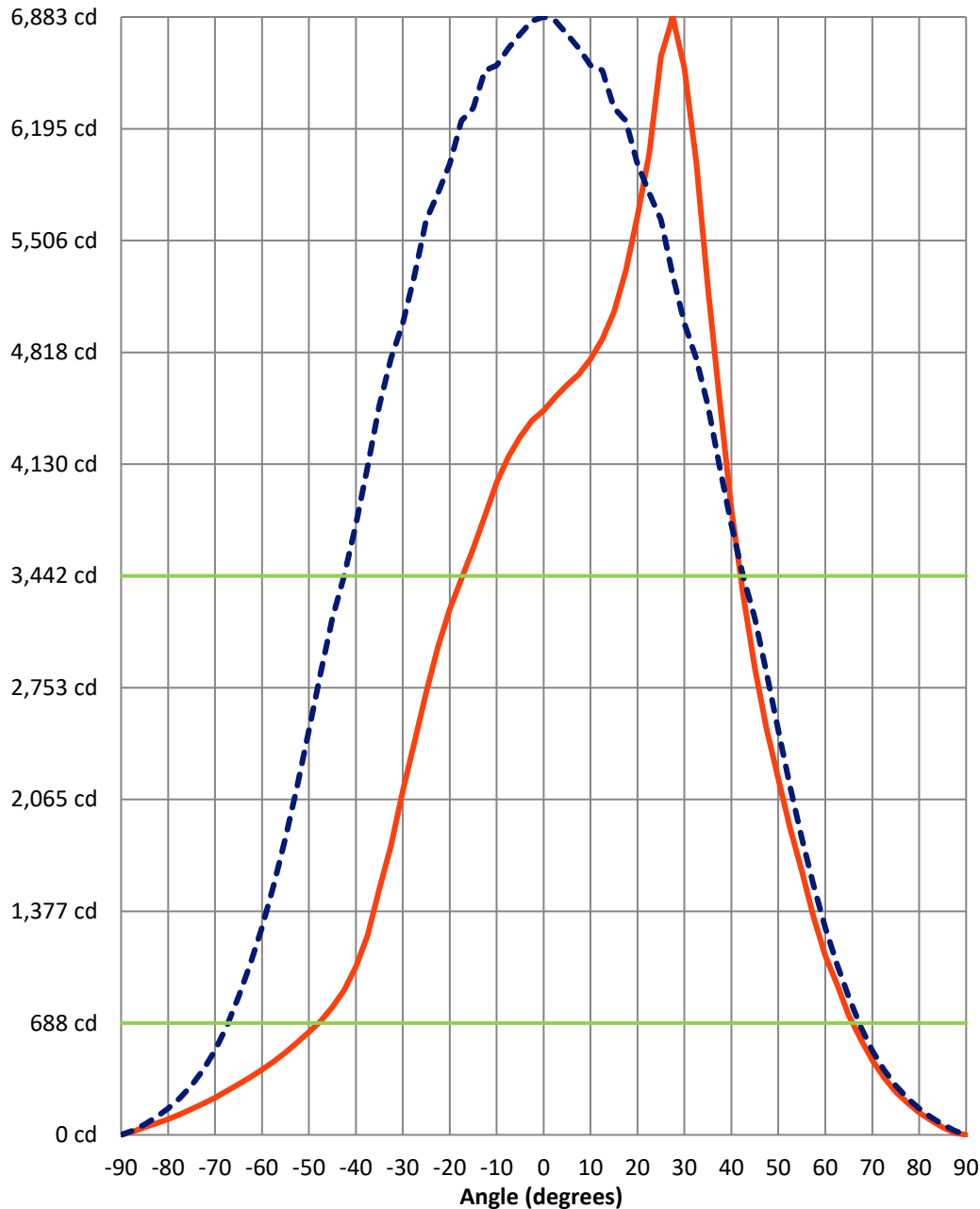
Luminous Intensity Polar Plot



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

REPORT NUMBER: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-940-U-WAF-XX

Luminous Intensity Plot



Beam:
 H Angle: 85°
 V Angle: 59.2°
 Lumens: 5214.9
 Efficiency: 52.0%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 9282.7
 Efficiency: 92.5%

Spill:
 Lumens: 751.7
 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	1.3	2.7	4.0	5.2	6.5	7.7	8.8	10.0	11.0	12.1
85°	0.0	2.6	5.3	7.9	10.5	12.9	15.3	17.6	19.9	22.1	24.2
82.5°	0.0	3.9	8.0	11.9	15.7	19.4	22.9	26.4	30.4	37.1	44.0
80°	0.0	5.2	10.6	15.8	20.9	25.8	31.2	39.9	49.0	58.5	68.3
77.5°	0.0	6.5	13.3	19.7	26.0	33.6	44.3	55.6	67.4	79.6	93.8
75°	0.0	7.8	15.9	23.6	31.6	44.1	57.3	71.1	86.0	104.8	124.1
72.5°	0.0	9.1	18.4	27.4	39.6	54.4	70.1	87.6	109.1	131.2	153.9
70°	0.0	10.3	20.9	31.6	47.5	64.5	83.0	107.1	131.8	157.3	187.0
67.5°	0.0	11.5	23.4	37.2	55.2	74.4	99.0	126.3	154.1	187.2	220.4
65°	0.0	12.7	25.8	42.6	62.7	85.4	114.4	145.0	180.0	216.4	255.1
62.5°	0.0	13.9	28.2	48.0	70.1	97.4	129.3	165.8	205.2	246.0	293.2
60°	0.0	15.0	30.5	53.2	77.2	109.0	143.7	187.1	229.7	278.6	330.1
57.5°	0.0	16.1	33.8	58.2	85.7	120.2	160.0	207.5	256.4	310.0	372.3
55°	0.0	17.2	37.0	63.1	94.0	130.8	175.8	226.6	282.7	341.8	415.4
52.5°	0.0	18.3	40.1	67.8	101.9	141.3	190.7	246.8	307.9	377.4	456.1
50°	0.0	19.3	43.0	72.3	109.4	152.7	204.8	266.0	333.3	410.8	504.7
47.5°	0.0	20.3	45.9	76.8	116.5	163.4	218.2	283.9	360.5	441.9	551.1
45°	0.0	21.2	48.7	81.8	123.3	173.5	232.2	300.5	384.1	479.6	593.8
42.5°	0.0	22.1	51.3	86.6	129.5	182.8	245.1	317.8	405.8	514.2	641.9
40°	0.0	22.9	53.8	91.1	135.9	191.3	256.9	335.1	427.7	545.4	686.9
37.5°	0.0	23.7	56.1	95.3	142.3	199.1	267.5	350.9	451.3	573.9	727.2
35°	0.0	24.5	58.3	99.3	148.1	206.8	276.9	365.0	472.2	604.3	765.2
32.5°	0.0	25.2	60.4	103.0	153.3	214.1	286.0	377.5	490.1	630.2	799.0
30°	0.0	25.9	62.3	106.4	158.0	220.5	295.8	389.1	505.3	651.8	827.1
27.5°	0.0	26.5	64.1	109.5	162.4	226.0	304.2	401.2	519.4	669.0	849.4
25°	0.0	27.0	65.7	112.4	166.4	230.6	311.3	411.0	533.1	684.8	866.1
22.5°	0.0	27.5	67.2	114.9	169.7	234.7	317.2	418.7	543.4	697.6	880.4
20°	0.0	28.0	68.5	117.1	172.5	238.7	321.7	424.2	550.5	705.9	889.7
17.5°	0.0	28.4	69.7	119.0	174.8	242.0	325.7	427.7	554.3	709.8	894.0
15°	0.0	28.7	70.7	120.6	176.6	244.6	329.0	430.1	555.1	709.6	893.4
12.5°	0.0	29.0	71.5	121.9	177.8	246.5	331.0	431.9	555.1	705.3	888.1
10°	0.0	29.2	72.1	122.9	178.5	247.7	331.8	432.1	554.2	703.2	880.0
7.5°	0.0	29.4	72.6	123.6	178.8	248.2	331.5	430.6	550.9	698.8	871.0
5°	0.0	29.5	73.0	124.0	178.6	248.0	330.0	427.5	545.4	691.3	857.6
2.5°	0.0	29.6	73.1	124.1	177.9	247.1	327.5	423.1	537.8	681.1	840.3
0°	0.0	29.6	73.1	123.9	176.8	245.6	324.0	417.2	528.3	668.1	819.5
-2.5°	0.0	29.6	72.9	123.3	175.9	243.3	320.3	411.1	519.0	653.7	798.5
-5°	0.0	29.6	72.6	122.5	174.7	240.3	315.7	403.7	508.0	637.0	774.8
-7.5°	0.0	29.6	72.1	121.4	173.0	236.8	310.2	395.3	495.5	618.3	748.7
-10°	0.0	29.4	71.4	119.9	171.0	232.7	304.0	385.8	481.6	597.7	720.6
-12.5°	0.0	29.2	70.6	118.3	168.5	228.1	297.0	375.3	466.4	575.8	692.9
-15°	0.0	29.0	69.7	116.3	165.7	223.1	289.3	364.1	450.9	554.2	664.7
-17.5°	0.0	28.7	68.6	114.2	162.5	217.6	280.9	352.8	435.4	531.4	635.0
-20°	0.0	28.3	67.3	111.8	159.0	211.8	272.3	341.4	419.1	507.6	604.2



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 CATALOG NUMBER: GFLD-SA2D-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	27.9	65.9	109.1	155.1	205.6	263.6	329.2	402.0	482.9	572.4
-25°	0.0	27.4	64.4	106.2	150.8	199.4	254.4	316.2	384.4	457.7	539.8
-27.5°	0.0	26.9	62.8	103.1	146.2	192.9	244.7	302.6	366.2	433.2	508.8
-30°	0.0	26.3	61.0	99.8	141.3	186.0	234.6	288.3	348.6	410.9	478.0
-32.5°	0.0	25.7	59.2	96.4	136.3	178.7	224.1	275.0	331.1	388.6	447.3
-35°	0.0	25.0	57.2	92.7	130.9	171.1	214.3	261.9	313.1	366.2	417.0
-37.5°	0.0	24.3	55.1	88.8	125.3	163.4	204.6	248.4	294.6	343.9	391.9
-40°	0.0	23.5	52.9	84.8	119.5	156.1	194.5	234.8	275.7	322.1	368.1
-42.5°	0.0	22.6	50.6	80.6	113.7	148.4	184.1	221.0	258.7	301.1	344.0
-45°	0.0	21.7	48.3	76.3	108.0	140.6	173.4	207.6	242.7	280.1	319.6
-47.5°	0.0	20.8	45.8	71.8	102.0	132.5	162.4	194.8	226.8	259.0	296.3
-50°	0.0	19.8	43.3	67.8	95.8	124.2	152.3	181.7	211.0	241.4	273.2
-52.5°	0.0	18.8	40.6	63.9	89.5	115.7	142.3	168.4	195.7	223.4	250.4
-55°	0.0	17.7	37.9	59.8	83.0	107.5	132.1	155.1	180.5	205.1	230.3
-57.5°	0.0	16.6	35.2	55.7	76.3	99.2	121.7	143.3	165.0	187.6	209.9
-60°	0.0	15.5	32.3	51.4	69.5	90.8	111.3	131.3	149.8	170.2	189.8
-62.5°	0.0	14.3	29.9	47.1	63.7	82.1	101.0	119.1	136.0	152.6	170.6
-65°	0.0	13.1	27.4	42.6	57.8	73.4	90.7	106.9	122.1	136.7	151.2
-67.5°	0.0	11.9	24.9	38.1	51.9	65.2	80.1	94.8	108.1	121.2	133.5
-70°	0.0	10.6	22.3	33.5	45.8	57.7	69.4	82.7	94.7	105.5	116.4
-72.5°	0.0	9.4	19.6	29.3	39.7	50.2	60.3	70.4	81.2	90.9	99.6
-75°	0.0	8.1	16.9	25.2	33.5	42.5	51.2	59.6	67.7	76.3	84.0
-77.5°	0.0	6.7	14.1	21.1	27.8	34.8	42.1	49.2	55.9	62.2	68.5
-80°	0.0	5.4	11.4	16.9	22.3	27.6	32.9	38.8	44.3	49.5	54.3
-82.5°	0.0	4.1	8.5	12.7	16.8	20.8	24.6	28.6	32.6	36.7	40.5
-85°	0.0	2.7	5.7	8.5	11.2	13.9	16.4	19.1	21.7	24.3	26.9
-87.5°	0.0	1.4	2.9	4.2	5.6	6.9	8.2	9.6	10.9	12.2	13.4
-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: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	12.7	13.3	13.7	14.0	14.5	15.0	15.4	15.7	16.0	16.2	16.4
85°	25.5	26.5	29.7	32.6	35.8	38.6	41.1	43.3	45.1	46.6	47.7
82.5°	49.7	55.0	60.0	64.8	69.1	73.0	76.7	80.9	84.4	87.2	89.6
80°	76.2	83.5	92.3	100.5	108.0	114.8	121.0	126.5	130.9	135.3	139.5
77.5°	107.1	118.8	129.8	139.9	149.6	160.9	171.4	181.1	188.5	194.2	198.5
75°	140.3	154.2	170.2	185.9	200.8	214.4	227.7	243.8	256.9	266.8	274.7
72.5°	175.8	195.8	215.3	234.1	255.9	277.1	297.6	317.4	334.9	347.7	358.0
70°	214.1	237.4	264.3	291.5	317.6	344.2	372.5	398.3	419.6	434.7	449.1
67.5°	253.3	285.9	317.7	350.5	387.6	421.4	452.3	484.9	513.6	532.6	549.1
65°	298.4	334.9	377.5	420.9	461.6	503.8	542.8	578.2	614.5	640.8	662.4
62.5°	342.1	393.4	443.5	494.3	545.5	591.4	642.4	687.9	724.3	762.0	794.3
60°	393.8	454.8	516.3	577.5	634.8	699.3	755.2	808.0	856.8	898.8	938.6
57.5°	445.4	524.2	597.0	668.8	744.6	813.5	879.3	938.5	996.8	1045.4	1093.1
55°	499.8	601.2	685.1	773.9	857.2	935.1	1009.0	1083.1	1145.3	1212.3	1270.7
52.5°	560.1	675.9	784.4	882.2	976.1	1065.9	1154.2	1243.5	1330.8	1400.3	1466.2
50°	616.4	754.5	885.0	996.6	1104.5	1211.1	1321.6	1433.2	1529.3	1608.8	1677.5
47.5°	678.5	827.5	993.3	1116.7	1246.3	1378.4	1512.4	1635.8	1740.5	1848.7	1924.5
45°	738.9	901.4	1081.3	1252.5	1402.4	1562.4	1710.1	1846.2	1997.9	2116.0	2217.3
42.5°	794.1	971.4	1171.6	1389.6	1577.0	1748.7	1908.6	2099.9	2274.3	2412.3	2538.7
40°	850.9	1035.0	1253.8	1516.9	1751.1	1934.4	2129.0	2340.4	2567.4	2737.2	2888.3
37.5°	902.8	1100.2	1329.0	1614.0	1922.5	2124.0	2339.1	2568.6	2827.3	3082.8	3264.4
35°	948.7	1155.4	1403.5	1693.1	2008.9	2307.8	2535.3	2779.7	3062.8	3394.4	3642.4
32.5°	990.4	1200.5	1462.7	1754.7	2075.1	2425.6	2714.3	2965.1	3249.2	3591.3	4012.4
30°	1024.3	1244.1	1506.7	1799.3	2120.5	2469.6	2836.3	3109.5	3379.2	3714.9	4106.8
27.5°	1050.1	1276.1	1537.1	1827.1	2144.9	2490.1	2842.7	3179.9	3440.9	3756.8	4113.2
25°	1069.9	1302.2	1553.2	1837.4	2148.4	2481.1	2820.4	3139.5	3432.5	3711.0	4030.8
22.5°	1086.2	1320.3	1570.8	1830.4	2132.2	2449.2	2768.3	3072.5	3356.1	3616.8	3892.0
20°	1098.5	1331.9	1579.7	1837.2	2105.0	2397.3	2702.5	2992.0	3265.9	3518.4	3742.3
17.5°	1104.1	1335.3	1579.7	1835.9	2100.4	2356.1	2621.8	2900.1	3169.4	3420.3	3641.5
15°	1103.0	1330.8	1571.0	1826.1	2086.7	2339.9	2584.7	2814.3	3065.1	3318.7	3539.1
12.5°	1095.7	1318.8	1553.9	1807.9	2064.3	2314.5	2554.9	2785.5	3010.3	3222.7	3433.5
10°	1082.4	1299.6	1528.7	1781.2	2033.4	2279.9	2517.2	2748.5	2971.0	3179.5	3375.8
7.5°	1068.8	1278.0	1498.5	1746.2	1993.9	2236.1	2471.3	2703.0	2921.1	3129.3	3327.4
5°	1050.8	1255.2	1475.5	1712.8	1951.5	2187.8	2418.0	2648.4	2860.8	3070.9	3269.8
2.5°	1027.9	1226.8	1446.5	1672.3	1904.1	2137.8	2360.2	2586.5	2804.3	3006.1	3202.1
0°	1000.5	1193.2	1411.4	1624.2	1848.6	2079.4	2293.3	2514.6	2741.2	2931.8	3123.4
-2.5°	970.7	1153.0	1360.3	1572.0	1788.9	2015.2	2234.5	2444.3	2665.9	2858.6	3054.3
-5°	937.3	1108.6	1303.8	1513.1	1722.1	1942.8	2166.2	2365.6	2577.4	2767.8	2960.3
-7.5°	900.8	1060.7	1242.7	1446.9	1646.1	1854.2	2065.8	2257.7	2463.5	2651.9	2839.4
-10°	862.2	1013.4	1183.2	1372.2	1559.9	1753.9	1952.6	2140.6	2338.4	2526.1	2706.5
-12.5°	825.3	966.8	1122.0	1293.8	1469.0	1648.3	1833.1	2014.5	2202.2	2390.7	2559.4
-15°	786.6	917.8	1058.8	1212.8	1374.1	1538.2	1707.9	1879.6	2055.7	2240.2	2396.0
-17.5°	746.6	866.8	994.2	1129.9	1275.9	1424.4	1580.4	1746.1	1907.4	2075.4	2226.1
-20°	705.6	814.4	929.1	1046.1	1175.7	1318.2	1464.1	1612.8	1759.3	1905.7	2047.2



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 CATALOG NUMBER: GFLD-SA2D-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°	664.1	760.9	865.3	968.2	1091.5	1220.1	1348.2	1477.2	1608.7	1734.7	1868.5
-25°	624.0	711.2	803.4	903.4	1009.3	1122.6	1232.7	1341.8	1458.3	1576.4	1691.7
-27.5°	585.3	662.2	749.3	838.5	926.7	1027.6	1123.9	1216.4	1318.1	1422.2	1515.4
-30°	546.5	619.6	695.8	775.0	852.6	936.8	1020.1	1101.2	1184.0	1273.3	1353.9
-32.5°	510.5	577.3	646.6	716.0	781.9	847.2	924.2	996.3	1064.1	1127.6	1197.9
-35°	477.7	538.8	599.2	659.0	713.2	770.7	835.1	895.8	950.2	1001.2	1055.0
-37.5°	446.7	501.1	552.0	605.4	653.6	702.8	750.2	802.8	846.9	887.7	931.8
-40°	415.6	464.3	510.1	554.7	598.9	640.0	680.4	716.2	751.7	790.9	821.2
-42.5°	385.0	430.2	471.1	505.5	547.1	582.5	613.9	643.6	672.6	703.2	727.5
-45°	358.0	396.5	433.8	466.7	498.0	528.1	554.8	578.0	605.5	626.7	645.1
-47.5°	330.8	364.1	398.2	428.6	454.7	479.2	499.0	522.4	544.9	563.1	573.8
-50°	304.0	334.4	363.3	391.6	415.3	435.0	452.0	471.3	490.0	505.5	515.7
-52.5°	279.2	304.7	331.5	355.5	377.4	395.0	411.3	428.0	441.7	452.4	465.7
-55°	254.8	278.3	300.6	322.2	340.9	357.1	373.0	387.9	399.6	408.8	419.9
-57.5°	231.9	253.1	272.6	290.7	307.4	321.3	336.9	349.6	360.5	369.1	380.5
-60°	209.6	228.5	246.2	262.0	275.7	289.4	302.1	313.8	323.3	331.8	342.3
-62.5°	187.3	204.5	220.4	234.9	247.4	258.8	270.2	280.1	288.1	296.9	305.6
-65°	166.5	181.0	195.0	208.2	220.0	230.8	240.2	248.2	255.7	263.5	270.5
-67.5°	145.7	159.2	171.0	181.5	192.4	202.8	211.6	219.0	225.2	231.6	237.5
-70°	127.1	137.9	148.6	158.1	166.4	175.1	183.6	190.6	196.2	201.2	205.9
-72.5°	108.9	118.4	127.2	135.4	143.0	150.0	156.6	163.0	168.2	172.1	175.5
-75°	91.6	98.9	106.6	113.7	119.8	125.3	130.4	135.5	139.7	143.1	145.8
-77.5°	75.0	81.2	87.0	92.5	96.9	101.2	105.2	108.9	112.1	114.7	116.5
-80°	58.9	63.4	68.1	72.6	76.0	78.9	81.4	83.6	86.0	88.5	90.6
-82.5°	43.8	47.1	50.2	53.3	55.6	57.7	59.4	61.1	62.8	64.4	65.8
-85°	28.8	30.7	32.6	34.4	36.3	37.9	39.3	40.5	41.4	42.2	42.9
-87.5°	14.4	15.3	16.2	17.0	17.9	18.7	19.5	20.2	20.7	21.1	21.4
-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: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	16.5	16.5	16.5	16.4	16.3	15.7	14.9	14.2	13.3	13.7	14.1
85°	48.5	48.7	48.6	48.1	47.3	47.3	47.1	46.8	46.3	47.1	47.7
82.5°	91.4	92.0	92.1	91.7	90.8	91.2	91.3	91.1	90.6	91.3	91.7
80°	142.8	144.1	144.2	143.2	141.3	141.5	141.7	141.3	140.4	140.6	140.6
77.5°	203.4	206.6	207.6	207.2	205.2	204.6	203.2	200.5	196.4	196.4	196.5
75°	280.7	283.9	285.6	285.4	283.6	282.4	280.6	277.4	272.9	272.7	272.7
72.5°	366.0	370.7	372.9	374.8	374.8	374.1	371.8	367.0	360.0	359.2	360.0
70°	460.3	468.2	473.2	477.1	480.2	480.8	479.3	475.5	469.4	467.7	467.2
67.5°	565.2	577.9	587.5	593.9	599.9	604.3	605.9	604.2	599.2	597.5	598.2
65°	682.8	702.4	718.6	730.7	738.8	744.6	749.6	752.5	753.3	755.0	757.3
62.5°	820.3	844.3	866.8	882.1	890.0	895.6	911.7	921.0	923.6	924.2	927.8
60°	973.7	1004.1	1032.1	1054.7	1072.9	1086.6	1100.3	1109.4	1112.8	1113.5	1118.4
57.5°	1141.5	1179.7	1212.5	1247.4	1271.7	1285.7	1304.1	1323.0	1332.9	1335.7	1347.3
55°	1327.2	1379.2	1421.7	1459.0	1493.0	1522.9	1548.2	1567.6	1582.0	1590.7	1606.1
52.5°	1532.4	1593.6	1638.1	1681.9	1730.6	1764.9	1787.3	1823.4	1849.5	1863.8	1882.2
50°	1757.8	1826.0	1886.6	1932.5	1989.1	2036.0	2070.2	2104.3	2128.2	2141.9	2159.7
47.5°	2014.4	2098.3	2168.7	2211.2	2276.9	2332.2	2354.5	2380.3	2425.3	2446.9	2465.9
45°	2303.2	2410.3	2488.5	2555.1	2611.6	2673.6	2714.1	2743.4	2787.8	2810.0	2824.0
42.5°	2647.0	2766.1	2869.1	2949.0	2996.5	3076.9	3135.5	3152.0	3214.8	3257.4	3269.9
40°	3032.5	3164.5	3300.3	3391.5	3468.0	3549.6	3646.3	3700.1	3753.2	3795.0	3804.4
37.5°	3434.2	3610.9	3765.9	3883.6	4010.1	4130.4	4232.9	4288.8	4323.6	4403.5	4433.4
35°	3842.5	4024.9	4242.1	4424.9	4578.2	4726.8	4843.7	4935.8	5023.5	5095.4	5138.5
32.5°	4190.3	4386.5	4654.7	4928.4	5093.9	5254.9	5446.9	5552.2	5669.2	5764.0	5833.2
30°	4476.1	4662.6	4906.8	5250.2	5476.8	5640.0	5883.0	6028.7	6156.1	6316.7	6372.6
27.5°	4489.6	4781.2	4997.1	5292.9	5632.9	5798.5	5978.4	6243.2	6323.5	6552.5	6585.5
25°	4371.8	4677.9	4899.8	5146.7	5429.4	5630.9	5795.2	6015.3	6130.6	6277.9	6391.0
22.5°	4187.4	4457.2	4683.6	4893.0	5113.6	5297.0	5447.2	5601.9	5728.4	5842.7	5948.8
20°	3983.8	4240.0	4454.7	4634.7	4809.6	4979.6	5114.6	5244.6	5354.0	5452.1	5512.5
17.5°	3840.5	4024.8	4244.1	4428.6	4580.2	4713.6	4853.3	4962.1	5058.0	5146.4	5201.6
15°	3742.6	3917.9	4074.0	4243.3	4403.0	4530.2	4635.5	4747.7	4830.6	4906.6	4966.5
12.5°	3641.1	3821.6	3985.0	4126.0	4251.0	4390.0	4502.4	4590.7	4677.7	4737.4	4798.9
10°	3556.2	3725.1	3894.6	4043.5	4175.0	4289.5	4396.0	4495.0	4573.1	4640.1	4688.5
7.5°	3506.9	3672.6	3824.9	3967.7	4096.0	4218.0	4327.9	4418.6	4496.0	4565.3	4616.0
5°	3449.8	3613.8	3765.9	3911.8	4035.1	4152.3	4261.6	4355.0	4435.1	4496.9	4545.4
2.5°	3384.4	3546.1	3697.8	3846.2	3969.4	4082.4	4185.9	4277.0	4360.4	4419.2	4460.6
0°	3309.8	3471.7	3620.0	3759.7	3883.6	4005.4	4100.7	4192.8	4274.3	4332.5	4373.8
-2.5°	3234.5	3395.5	3548.9	3682.8	3805.8	3918.2	4019.7	4106.7	4184.5	4242.5	4278.7
-5°	3134.5	3294.5	3445.9	3580.9	3709.3	3822.2	3920.8	4009.3	4084.3	4147.5	4196.6
-7.5°	3013.4	3175.2	3326.5	3464.3	3592.1	3698.7	3793.4	3882.5	3962.6	4031.7	4092.1
-10°	2880.2	3040.3	3183.2	3312.3	3431.4	3539.8	3640.5	3728.6	3802.0	3869.6	3920.5
-12.5°	2725.2	2873.3	3013.1	3140.3	3256.8	3365.3	3461.1	3545.0	3618.9	3678.8	3724.7
-15°	2554.1	2694.7	2827.1	2957.1	3079.1	3186.0	3270.2	3358.6	3422.7	3480.8	3522.1
-17.5°	2371.0	2506.9	2646.2	2776.6	2889.1	2994.6	3087.3	3168.1	3235.3	3288.7	3335.3
-20°	2185.4	2323.9	2458.0	2582.2	2690.4	2788.2	2882.1	2959.7	3028.6	3086.6	3141.3



REPORT NUMBER: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1999.1	2126.1	2251.9	2373.5	2475.8	2568.3	2650.4	2724.7	2785.5	2853.9	2902.2
-25°	1807.6	1919.0	2032.6	2139.9	2236.7	2327.6	2402.1	2467.2	2530.5	2596.6	2643.6
-27.5°	1615.3	1713.7	1806.0	1901.0	1985.8	2064.5	2133.6	2190.6	2252.1	2296.2	2348.0
-30°	1425.0	1514.3	1591.3	1657.4	1737.1	1804.7	1858.5	1915.1	1965.9	2008.0	2051.7
-32.5°	1263.9	1325.0	1386.5	1441.7	1494.8	1550.3	1593.7	1643.0	1677.9	1714.2	1749.5
-35°	1109.1	1156.2	1197.0	1248.7	1288.4	1318.6	1354.8	1391.0	1404.9	1444.4	1465.5
-37.5°	968.9	999.8	1037.9	1073.9	1103.4	1126.0	1158.2	1177.2	1187.2	1212.7	1226.4
-40°	849.0	868.4	904.0	928.6	946.4	962.8	989.5	1001.9	1015.5	1028.2	1028.6
-42.5°	743.4	768.5	792.6	811.9	823.1	841.8	854.4	855.8	873.5	884.8	886.5
-45°	657.1	682.6	701.7	715.9	727.0	743.1	751.2	755.8	770.2	777.9	781.2
-47.5°	590.7	608.5	625.1	636.1	650.7	662.6	668.6	676.2	687.2	694.3	699.3
-50°	532.4	546.6	559.1	569.2	583.8	594.4	600.1	609.4	617.7	622.7	626.7
-52.5°	481.2	493.8	502.5	512.3	524.4	533.8	541.0	550.2	557.1	561.6	565.1
-55°	433.2	445.0	453.5	464.1	472.8	479.1	485.3	494.3	501.1	505.6	508.6
-57.5°	390.8	399.7	408.1	417.7	426.0	432.8	438.3	443.3	447.7	451.5	454.4
-60°	351.1	358.4	366.1	373.6	379.8	384.7	390.7	395.2	398.0	399.8	402.2
-62.5°	313.0	319.5	326.3	332.4	337.3	341.5	346.2	350.0	352.6	354.5	355.9
-65°	276.7	282.3	288.1	293.1	297.4	301.0	304.4	307.0	308.9	310.4	311.7
-67.5°	242.8	247.3	251.3	254.8	258.0	261.1	264.0	266.0	267.1	268.4	269.7
-70°	210.1	213.6	216.3	218.4	220.3	222.7	225.6	227.5	228.7	229.9	231.1
-72.5°	178.4	181.0	183.2	185.0	186.0	187.6	189.5	191.2	192.4	193.3	193.8
-75°	147.9	150.0	152.0	153.4	154.2	155.3	156.3	156.8	156.9	157.3	157.6
-77.5°	118.1	120.2	122.0	123.3	124.1	125.0	125.8	126.2	126.2	126.3	126.0
-80°	92.2	93.6	94.8	95.7	96.3	96.9	97.3	97.4	97.2	97.4	97.5
-82.5°	67.0	68.2	69.3	70.1	70.6	71.3	71.8	72.2	72.4	72.5	72.4
-85°	43.4	43.9	44.5	45.0	45.5	45.7	45.9	45.9	45.8	45.9	45.8
-87.5°	21.7	21.5	21.1	20.7	20.1	20.3	20.4	20.5	20.5	20.7	20.9
-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: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	14.4	14.7	13.7	12.7	13.7	14.7	14.4	14.1	13.7	13.3	14.2
85°	48.1	48.4	47.6	46.6	47.6	48.4	48.1	47.7	47.1	46.3	46.8
82.5°	91.8	91.6	90.9	90.0	90.9	91.6	91.8	91.7	91.3	90.6	91.1
80°	140.0	139.1	138.5	137.6	138.5	139.1	140.0	140.6	140.6	140.4	141.3
77.5°	196.0	194.9	196.6	198.0	196.6	194.9	196.0	196.5	196.4	196.4	200.5
75°	271.6	269.5	267.5	264.7	267.5	269.5	271.6	272.7	272.7	272.9	277.4
72.5°	359.6	358.0	356.3	353.6	356.3	358.0	359.6	360.0	359.2	360.0	367.0
70°	464.4	459.5	460.3	460.6	460.3	459.5	464.4	467.2	467.7	469.4	475.5
67.5°	596.3	591.8	592.4	591.9	592.4	591.8	596.3	598.2	597.5	599.2	604.2
65°	755.9	750.9	744.8	735.9	744.8	750.9	755.9	757.3	755.0	753.3	752.5
62.5°	927.3	922.9	925.4	927.5	925.4	922.9	927.3	927.8	924.2	923.6	921.0
60°	1117.6	1111.4	1108.3	1103.3	1108.3	1111.4	1117.6	1118.4	1113.5	1112.8	1109.4
57.5°	1352.7	1351.6	1348.8	1341.5	1348.8	1351.6	1352.7	1347.3	1335.7	1332.9	1323.0
55°	1613.3	1611.8	1617.9	1625.2	1617.9	1611.8	1613.3	1606.1	1590.7	1582.0	1567.6
52.5°	1895.8	1900.6	1898.9	1888.9	1898.9	1900.6	1895.8	1882.2	1863.8	1849.5	1823.4
50°	2175.3	2180.7	2186.4	2191.7	2186.4	2180.7	2175.3	2159.7	2141.9	2128.2	2104.3
47.5°	2492.2	2506.3	2508.8	2498.7	2508.8	2506.3	2492.2	2465.9	2446.9	2425.3	2380.3
45°	2852.2	2860.7	2865.0	2873.5	2865.0	2860.7	2852.2	2824.0	2810.0	2787.8	2743.4
42.5°	3306.0	3315.9	3317.4	3326.7	3317.4	3315.9	3306.0	3269.9	3257.4	3214.8	3152.0
40°	3844.8	3860.7	3858.0	3854.0	3858.0	3860.7	3844.8	3804.4	3795.0	3753.2	3700.1
37.5°	4475.4	4502.5	4505.3	4522.1	4505.3	4502.5	4475.4	4433.4	4403.5	4323.6	4288.8
35°	5183.1	5215.1	5209.5	5217.7	5209.5	5215.1	5183.1	5138.5	5095.4	5023.5	4935.8
32.5°	5897.0	5944.9	5954.5	5994.8	5954.5	5944.9	5897.0	5833.2	5764.0	5669.2	5552.2
30°	6457.9	6525.0	6568.8	6565.5	6568.8	6525.0	6457.9	6372.6	6316.7	6156.1	6028.7
27.5°	6690.2	6777.2	6858.6	6883.1	6858.6	6777.2	6690.2	6585.5	6552.5	6323.5	6243.2
25°	6463.5	6527.0	6599.0	6637.5	6599.0	6527.0	6463.5	6391.0	6277.9	6130.6	6015.3
22.5°	5997.7	6039.0	6063.5	6043.5	6063.5	6039.0	5997.7	5948.8	5842.7	5728.4	5601.9
20°	5575.0	5627.3	5637.1	5658.1	5637.1	5627.3	5575.0	5512.5	5452.1	5354.0	5244.6
17.5°	5260.5	5294.7	5314.8	5319.3	5314.8	5294.7	5260.5	5201.6	5146.4	5058.0	4962.1
15°	5013.9	5041.3	5059.3	5067.3	5059.3	5041.3	5013.9	4966.5	4906.6	4830.6	4747.7
12.5°	4839.2	4872.6	4889.1	4899.0	4889.1	4872.6	4839.2	4798.9	4737.4	4677.7	4590.7
10°	4727.1	4759.4	4772.4	4777.2	4772.4	4759.4	4727.1	4688.5	4640.1	4573.1	4495.0
7.5°	4646.7	4667.4	4676.1	4683.0	4676.1	4667.4	4646.7	4616.0	4565.3	4496.0	4418.6
5°	4581.7	4598.3	4607.5	4617.3	4607.5	4598.3	4581.7	4545.4	4496.9	4435.1	4355.0
2.5°	4493.4	4517.0	4533.4	4543.2	4533.4	4517.0	4493.4	4460.6	4419.2	4360.4	4277.0
0°	4406.7	4428.9	4440.5	4459.6	4440.5	4428.9	4406.7	4373.8	4332.5	4274.3	4192.8
-2.5°	4311.2	4337.0	4367.6	4397.1	4367.6	4337.0	4311.2	4278.7	4242.5	4184.5	4106.7
-5°	4238.3	4272.3	4278.7	4297.6	4278.7	4272.3	4238.3	4196.6	4147.5	4084.3	4009.3
-7.5°	4128.2	4143.7	4170.1	4174.8	4170.1	4143.7	4128.2	4092.1	4031.7	3962.6	3882.5
-10°	3958.5	3983.8	4000.3	4017.0	4000.3	3983.8	3958.5	3920.5	3869.6	3802.0	3728.6
-12.5°	3759.3	3788.9	3815.3	3811.6	3815.3	3788.9	3759.3	3724.7	3678.8	3618.9	3545.0
-15°	3565.0	3593.7	3611.8	3609.4	3611.8	3593.7	3565.0	3522.1	3480.8	3422.7	3358.6
-17.5°	3372.3	3398.4	3424.7	3424.1	3424.7	3398.4	3372.3	3335.3	3288.7	3235.3	3168.1
-20°	3173.3	3195.6	3223.8	3235.6	3223.8	3195.6	3173.3	3141.3	3086.6	3028.6	2959.7



REPORT NUMBER: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	2943.1	2971.7	2992.2	3004.8	2992.2	2971.7	2943.1	2902.2	2853.9	2785.5	2724.7
-25°	2674.9	2704.2	2719.8	2725.3	2719.8	2704.2	2674.9	2643.6	2596.6	2530.5	2467.2
-27.5°	2378.5	2411.4	2427.4	2419.3	2427.4	2411.4	2378.5	2348.0	2296.2	2252.1	2190.6
-30°	2074.6	2095.7	2098.2	2116.5	2098.2	2095.7	2074.6	2051.7	2008.0	1965.9	1915.1
-32.5°	1774.7	1788.9	1780.8	1781.9	1780.8	1788.9	1774.7	1749.5	1714.2	1677.9	1643.0
-35°	1478.6	1489.9	1492.2	1513.0	1492.2	1489.9	1478.6	1465.5	1444.4	1404.9	1391.0
-37.5°	1240.6	1245.1	1238.1	1228.2	1238.1	1245.1	1240.6	1226.4	1212.7	1187.2	1177.2
-40°	1038.7	1042.2	1039.6	1034.4	1039.6	1042.2	1038.7	1028.6	1028.2	1015.5	1001.9
-42.5°	893.4	893.5	891.1	890.4	891.1	893.5	893.4	886.5	884.8	873.5	855.8
-45°	786.1	787.3	787.1	786.7	787.1	787.3	786.1	781.2	777.9	770.2	755.8
-47.5°	702.9	703.1	702.0	699.9	702.0	703.1	702.9	699.3	694.3	687.2	676.2
-50°	629.1	629.1	630.6	633.2	630.6	629.1	629.1	626.7	622.7	617.7	609.4
-52.5°	566.9	566.8	567.6	568.6	567.6	566.8	566.9	565.1	561.6	557.1	550.2
-55°	510.0	509.7	508.9	507.2	508.9	509.7	510.0	508.6	505.6	501.1	494.3
-57.5°	455.5	454.8	453.4	451.0	453.4	454.8	455.5	454.4	451.5	447.7	443.3
-60°	403.5	403.8	403.1	401.3	403.1	403.8	403.5	402.2	399.8	398.0	395.2
-62.5°	356.3	355.5	355.4	354.7	355.4	355.5	356.3	355.9	354.5	352.6	350.0
-65°	311.9	311.2	311.4	311.3	311.4	311.2	311.9	311.7	310.4	308.9	307.0
-67.5°	270.2	269.9	270.2	270.0	270.2	269.9	270.2	269.7	268.4	267.1	266.0
-70°	231.7	231.8	230.6	228.7	230.6	231.8	231.7	231.1	229.9	228.7	227.5
-72.5°	193.7	193.0	193.0	192.7	193.0	193.0	193.7	193.8	193.3	192.4	191.2
-75°	157.6	157.1	158.1	158.8	158.1	157.1	157.6	157.6	157.3	156.9	156.8
-77.5°	125.4	124.4	125.3	126.0	125.3	124.4	125.4	126.0	126.3	126.2	126.2
-80°	97.4	97.0	96.8	96.3	96.8	97.0	97.4	97.5	97.4	97.2	97.4
-82.5°	72.1	71.7	71.4	70.9	71.4	71.7	72.1	72.4	72.5	72.4	72.2
-85°	45.6	45.3	46.0	46.6	46.0	45.3	45.6	45.8	45.9	45.8	45.9
-87.5°	21.0	21.1	20.6	20.1	20.6	21.1	21.0	20.9	20.7	20.5	20.5
-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: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-940-U-WAF-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°	14.9	15.7	16.3	16.4	16.5	16.5	16.5	16.4	16.2	16.0	15.7
85°	47.1	47.3	47.3	48.1	48.6	48.7	48.5	47.7	46.6	45.1	43.3
82.5°	91.3	91.2	90.8	91.7	92.1	92.0	91.4	89.6	87.2	84.4	80.9
80°	141.7	141.5	141.3	143.2	144.2	144.1	142.8	139.5	135.3	130.9	126.5
77.5°	203.2	204.6	205.2	207.2	207.6	206.6	203.4	198.5	194.2	188.5	181.1
75°	280.6	282.4	283.6	285.4	285.6	283.9	280.7	274.7	266.8	256.9	243.8
72.5°	371.8	374.1	374.8	374.8	372.9	370.7	366.0	358.0	347.7	334.9	317.4
70°	479.3	480.8	480.2	477.1	473.2	468.2	460.3	449.1	434.7	419.6	398.3
67.5°	605.9	604.3	599.9	593.9	587.5	577.9	565.2	549.1	532.6	513.6	484.9
65°	749.6	744.6	738.8	730.7	718.6	702.4	682.8	662.4	640.8	614.5	578.2
62.5°	911.7	895.6	890.0	882.1	866.8	844.3	820.3	794.3	762.0	724.3	687.9
60°	1100.3	1086.6	1072.9	1054.7	1032.1	1004.1	973.7	938.6	898.8	856.8	808.0
57.5°	1304.1	1285.7	1271.7	1247.4	1212.5	1179.7	1141.5	1093.1	1045.4	996.8	938.5
55°	1548.2	1522.9	1493.0	1459.0	1421.7	1379.2	1327.2	1270.7	1212.3	1145.3	1083.1
52.5°	1787.3	1764.9	1730.6	1681.9	1638.1	1593.6	1532.4	1466.2	1400.3	1330.8	1243.5
50°	2070.2	2036.0	1989.1	1932.5	1886.6	1826.0	1757.8	1677.5	1608.8	1529.3	1433.2
47.5°	2354.5	2332.2	2276.9	2211.2	2168.7	2098.3	2014.4	1924.5	1848.7	1740.5	1635.8
45°	2714.1	2673.6	2611.6	2555.1	2488.5	2410.3	2303.2	2217.3	2116.0	1997.9	1846.2
42.5°	3135.5	3076.9	2996.5	2949.0	2869.1	2766.1	2647.0	2538.7	2412.3	2274.3	2099.9
40°	3646.3	3549.6	3468.0	3391.5	3300.3	3164.5	3032.5	2888.3	2737.2	2567.4	2340.4
37.5°	4232.9	4130.4	4010.1	3883.6	3765.9	3610.9	3434.2	3264.4	3082.8	2827.3	2568.6
35°	4843.7	4726.8	4578.2	4424.9	4242.1	4024.9	3842.5	3642.4	3394.4	3062.8	2779.7
32.5°	5446.9	5254.9	5093.9	4928.4	4654.7	4386.5	4190.3	4012.4	3591.3	3249.2	2965.1
30°	5883.0	5640.0	5476.8	5250.2	4906.8	4662.6	4476.1	4106.8	3714.9	3379.2	3109.5
27.5°	5978.4	5798.5	5632.9	5292.9	4997.1	4781.2	4489.6	4113.2	3756.8	3440.9	3179.9
25°	5795.2	5630.9	5429.4	5146.7	4899.8	4677.9	4371.8	4030.8	3711.0	3432.5	3139.5
22.5°	5447.2	5297.0	5113.6	4893.0	4683.6	4457.2	4187.4	3892.0	3616.8	3356.1	3072.5
20°	5114.6	4979.6	4809.6	4634.7	4454.7	4240.0	3983.8	3742.3	3518.4	3265.9	2992.0
17.5°	4853.3	4713.6	4580.2	4428.6	4244.1	4024.8	3840.5	3641.5	3420.3	3169.4	2900.1
15°	4635.5	4530.2	4403.0	4243.3	4074.0	3917.9	3742.6	3539.1	3318.7	3065.1	2814.3
12.5°	4502.4	4390.0	4251.0	4126.0	3985.0	3821.6	3641.1	3433.5	3222.7	3010.3	2785.5
10°	4396.0	4289.5	4175.0	4043.5	3894.6	3725.1	3556.2	3375.8	3179.5	2971.0	2748.5
7.5°	4327.9	4218.0	4096.0	3967.7	3824.9	3672.6	3506.9	3327.4	3129.3	2921.1	2703.0
5°	4261.6	4152.3	4035.1	3911.8	3765.9	3613.8	3449.8	3269.8	3070.9	2860.8	2648.4
2.5°	4185.9	4082.4	3969.4	3846.2	3697.8	3546.1	3384.4	3202.1	3006.1	2804.3	2586.5
0°	4100.7	4005.4	3883.6	3759.7	3620.0	3471.7	3309.8	3123.4	2931.8	2741.2	2514.6
-2.5°	4019.7	3918.2	3805.8	3682.8	3548.9	3395.5	3234.5	3054.3	2858.6	2665.9	2444.3
-5°	3920.8	3822.2	3709.3	3580.9	3445.9	3294.5	3134.5	2960.3	2767.8	2577.4	2365.6
-7.5°	3793.4	3698.7	3592.1	3464.3	3326.5	3175.2	3013.4	2839.4	2651.9	2463.5	2257.7
-10°	3640.5	3539.8	3431.4	3312.3	3183.2	3040.3	2880.2	2706.5	2526.1	2338.4	2140.6
-12.5°	3461.1	3365.3	3256.8	3140.3	3013.1	2873.3	2725.2	2559.4	2390.7	2202.2	2014.5
-15°	3270.2	3186.0	3079.1	2957.1	2827.1	2694.7	2554.1	2396.0	2240.2	2055.7	1879.6
-17.5°	3087.3	2994.6	2889.1	2776.6	2646.2	2506.9	2371.0	2226.1	2075.4	1907.4	1746.1
-20°	2882.1	2788.2	2690.4	2582.2	2458.0	2323.9	2185.4	2047.2	1905.7	1759.3	1612.8



REPORT NUMBER: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	2650.4	2568.3	2475.8	2373.5	2251.9	2126.1	1999.1	1868.5	1734.7	1608.7	1477.2
-25°	2402.1	2327.6	2236.7	2139.9	2032.6	1919.0	1807.6	1691.7	1576.4	1458.3	1341.8
-27.5°	2133.6	2064.5	1985.8	1901.0	1806.0	1713.7	1615.3	1515.4	1422.2	1318.1	1216.4
-30°	1858.5	1804.7	1737.1	1657.4	1591.3	1514.3	1425.0	1353.9	1273.3	1184.0	1101.2
-32.5°	1593.7	1550.3	1494.8	1441.7	1386.5	1325.0	1263.9	1197.9	1127.6	1064.1	996.3
-35°	1354.8	1318.6	1288.4	1248.7	1197.0	1156.2	1109.1	1055.0	1001.2	950.2	895.8
-37.5°	1158.2	1126.0	1103.4	1073.9	1037.9	999.8	968.9	931.8	887.7	846.9	802.8
-40°	989.5	962.8	946.4	928.6	904.0	868.4	849.0	821.2	790.9	751.7	716.2
-42.5°	854.4	841.8	823.1	811.9	792.6	768.5	743.4	727.5	703.2	672.6	643.6
-45°	751.2	743.1	727.0	715.9	701.7	682.6	657.1	645.1	626.7	605.5	578.0
-47.5°	668.6	662.6	650.7	636.1	625.1	608.5	590.7	573.8	563.1	544.9	522.4
-50°	600.1	594.4	583.8	569.2	559.1	546.6	532.4	515.7	505.5	490.0	471.3
-52.5°	541.0	533.8	524.4	512.3	502.5	493.8	481.2	465.7	452.4	441.7	428.0
-55°	485.3	479.1	472.8	464.1	453.5	445.0	433.2	419.9	408.8	399.6	387.9
-57.5°	438.3	432.8	426.0	417.7	408.1	399.7	390.8	380.5	369.1	360.5	349.6
-60°	390.7	384.7	379.8	373.6	366.1	358.4	351.1	342.3	331.8	323.3	313.8
-62.5°	346.2	341.5	337.3	332.4	326.3	319.5	313.0	305.6	296.9	288.1	280.1
-65°	304.4	301.0	297.4	293.1	288.1	282.3	276.7	270.5	263.5	255.7	248.2
-67.5°	264.0	261.1	258.0	254.8	251.3	247.3	242.8	237.5	231.6	225.2	219.0
-70°	225.6	222.7	220.3	218.4	216.3	213.6	210.1	205.9	201.2	196.2	190.6
-72.5°	189.5	187.6	186.0	185.0	183.2	181.0	178.4	175.5	172.1	168.2	163.0
-75°	156.3	155.3	154.2	153.4	152.0	150.0	147.9	145.8	143.1	139.7	135.5
-77.5°	125.8	125.0	124.1	123.3	122.0	120.2	118.1	116.5	114.7	112.1	108.9
-80°	97.3	96.9	96.3	95.7	94.8	93.6	92.2	90.6	88.5	86.0	83.6
-82.5°	71.8	71.3	70.6	70.1	69.3	68.2	67.0	65.8	64.4	62.8	61.1
-85°	45.9	45.7	45.5	45.0	44.5	43.9	43.4	42.9	42.2	41.4	40.5
-87.5°	20.4	20.3	20.1	20.7	21.1	21.5	21.7	21.4	21.1	20.7	20.2
-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: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	15.4	15.0	14.5	14.0	13.7	13.3	12.7	12.1	11.0	10.0	8.8
85°	41.1	38.6	35.8	32.6	29.7	26.5	25.5	24.2	22.1	19.9	17.6
82.5°	76.7	73.0	69.1	64.8	60.0	55.0	49.7	44.0	37.1	30.4	26.4
80°	121.0	114.8	108.0	100.5	92.3	83.5	76.2	68.3	58.5	49.0	39.9
77.5°	171.4	160.9	149.6	139.9	129.8	118.8	107.1	93.8	79.6	67.4	55.6
75°	227.7	214.4	200.8	185.9	170.2	154.2	140.3	124.1	104.8	86.0	71.1
72.5°	297.6	277.1	255.9	234.1	215.3	195.8	175.8	153.9	131.2	109.1	87.6
70°	372.5	344.2	317.6	291.5	264.3	237.4	214.1	187.0	157.3	131.8	107.1
67.5°	452.3	421.4	387.6	350.5	317.7	285.9	253.3	220.4	187.2	154.1	126.3
65°	542.8	503.8	461.6	420.9	377.5	334.9	298.4	255.1	216.4	180.0	145.0
62.5°	642.4	591.4	545.5	494.3	443.5	393.4	342.1	293.2	246.0	205.2	165.8
60°	755.2	699.3	634.8	577.5	516.3	454.8	393.8	330.1	278.6	229.7	187.1
57.5°	879.3	813.5	744.6	668.8	597.0	524.2	445.4	372.3	310.0	256.4	207.5
55°	1009.0	935.1	857.2	773.9	685.1	601.2	499.8	415.4	341.8	282.7	226.6
52.5°	1154.2	1065.9	976.1	882.2	784.4	675.9	560.1	456.1	377.4	307.9	246.8
50°	1321.6	1211.1	1104.5	996.6	885.0	754.5	616.4	504.7	410.8	333.3	266.0
47.5°	1512.4	1378.4	1246.3	1116.7	993.3	827.5	678.5	551.1	441.9	360.5	283.9
45°	1710.1	1562.4	1402.4	1252.5	1081.3	901.4	738.9	593.8	479.6	384.1	300.5
42.5°	1908.6	1748.7	1577.0	1389.6	1171.6	971.4	794.1	641.9	514.2	405.8	317.8
40°	2129.0	1934.4	1751.1	1516.9	1253.8	1035.0	850.9	686.9	545.4	427.7	335.1
37.5°	2339.1	2124.0	1922.5	1614.0	1329.0	1100.2	902.8	727.2	573.9	451.3	350.9
35°	2535.3	2307.8	2008.9	1693.1	1403.5	1155.4	948.7	765.2	604.3	472.2	365.0
32.5°	2714.3	2425.6	2075.1	1754.7	1462.7	1200.5	990.4	799.0	630.2	490.1	377.5
30°	2836.3	2469.6	2120.5	1799.3	1506.7	1244.1	1024.3	827.1	651.8	505.3	389.1
27.5°	2842.7	2490.1	2144.9	1827.1	1537.1	1276.1	1050.1	849.4	669.0	519.4	401.2
25°	2820.4	2481.1	2148.4	1837.4	1553.2	1302.2	1069.9	866.1	684.8	533.1	411.0
22.5°	2768.3	2449.2	2132.2	1830.4	1570.8	1320.3	1086.2	880.4	697.6	543.4	418.7
20°	2702.5	2397.3	2105.0	1837.2	1579.7	1331.9	1098.5	889.7	705.9	550.5	424.2
17.5°	2621.8	2356.1	2100.4	1835.9	1579.7	1335.3	1104.1	894.0	709.8	554.3	427.7
15°	2584.7	2339.9	2086.7	1826.1	1571.0	1330.8	1103.0	893.4	709.6	555.1	430.1
12.5°	2554.9	2314.5	2064.3	1807.9	1553.9	1318.8	1095.7	888.1	705.3	555.1	431.9
10°	2517.2	2279.9	2033.4	1781.2	1528.7	1299.6	1082.4	880.0	703.2	554.2	432.1
7.5°	2471.3	2236.1	1993.9	1746.2	1498.5	1278.0	1068.8	871.0	698.8	550.9	430.6
5°	2418.0	2187.8	1951.5	1712.8	1475.5	1255.2	1050.8	857.6	691.3	545.4	427.5
2.5°	2360.2	2137.8	1904.1	1672.3	1446.5	1226.8	1027.9	840.3	681.1	537.8	423.1
0°	2293.3	2079.4	1848.6	1624.2	1411.4	1193.2	1000.5	819.5	668.1	528.3	417.2
-2.5°	2234.5	2015.2	1788.9	1572.0	1360.3	1153.0	970.7	798.5	653.7	519.0	411.1
-5°	2166.2	1942.8	1722.1	1513.1	1303.8	1108.6	937.3	774.8	637.0	508.0	403.7
-7.5°	2065.8	1854.2	1646.1	1446.9	1242.7	1060.7	900.8	748.7	618.3	495.5	395.3
-10°	1952.6	1753.9	1559.9	1372.2	1183.2	1013.4	862.2	720.6	597.7	481.6	385.8
-12.5°	1833.1	1648.3	1469.0	1293.8	1122.0	966.8	825.3	692.9	575.8	466.4	375.3
-15°	1707.9	1538.2	1374.1	1212.8	1058.8	917.8	786.6	664.7	554.2	450.9	364.1
-17.5°	1580.4	1424.4	1275.9	1129.9	994.2	866.8	746.6	635.0	531.4	435.4	352.8
-20°	1464.1	1318.2	1175.7	1046.1	929.1	814.4	705.6	604.2	507.6	419.1	341.4



REPORT NUMBER: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	1348.2	1220.1	1091.5	968.2	865.3	760.9	664.1	572.4	482.9	402.0	329.2
-25°	1232.7	1122.6	1009.3	903.4	803.4	711.2	624.0	539.8	457.7	384.4	316.2
-27.5°	1123.9	1027.6	926.7	838.5	749.3	662.2	585.3	508.8	433.2	366.2	302.6
-30°	1020.1	936.8	852.6	775.0	695.8	619.6	546.5	478.0	410.9	348.6	288.3
-32.5°	924.2	847.2	781.9	716.0	646.6	577.3	510.5	447.3	388.6	331.1	275.0
-35°	835.1	770.7	713.2	659.0	599.2	538.8	477.7	417.0	366.2	313.1	261.9
-37.5°	750.2	702.8	653.6	605.4	552.0	501.1	446.7	391.9	343.9	294.6	248.4
-40°	680.4	640.0	598.9	554.7	510.1	464.3	415.6	368.1	322.1	275.7	234.8
-42.5°	613.9	582.5	547.1	505.5	471.1	430.2	385.0	344.0	301.1	258.7	221.0
-45°	554.8	528.1	498.0	466.7	433.8	396.5	358.0	319.6	280.1	242.7	207.6
-47.5°	499.0	479.2	454.7	428.6	398.2	364.1	330.8	296.3	259.0	226.8	194.8
-50°	452.0	435.0	415.3	391.6	363.3	334.4	304.0	273.2	241.4	211.0	181.7
-52.5°	411.3	395.0	377.4	355.5	331.5	304.7	279.2	250.4	223.4	195.7	168.4
-55°	373.0	357.1	340.9	322.2	300.6	278.3	254.8	230.3	205.1	180.5	155.1
-57.5°	336.9	321.3	307.4	290.7	272.6	253.1	231.9	209.9	187.6	165.0	143.3
-60°	302.1	289.4	275.7	262.0	246.2	228.5	209.6	189.8	170.2	149.8	131.3
-62.5°	270.2	258.8	247.4	234.9	220.4	204.5	187.3	170.6	152.6	136.0	119.1
-65°	240.2	230.8	220.0	208.2	195.0	181.0	166.5	151.2	136.7	122.1	106.9
-67.5°	211.6	202.8	192.4	181.5	171.0	159.2	145.7	133.5	121.2	108.1	94.8
-70°	183.6	175.1	166.4	158.1	148.6	137.9	127.1	116.4	105.5	94.7	82.7
-72.5°	156.6	150.0	143.0	135.4	127.2	118.4	108.9	99.6	90.9	81.2	70.4
-75°	130.4	125.3	119.8	113.7	106.6	98.9	91.6	84.0	76.3	67.7	59.6
-77.5°	105.2	101.2	96.9	92.5	87.0	81.2	75.0	68.5	62.2	55.9	49.2
-80°	81.4	78.9	76.0	72.6	68.1	63.4	58.9	54.3	49.5	44.3	38.8
-82.5°	59.4	57.7	55.6	53.3	50.2	47.1	43.8	40.5	36.7	32.6	28.6
-85°	39.3	37.9	36.3	34.4	32.6	30.7	28.8	26.9	24.3	21.7	19.1
-87.5°	19.5	18.7	17.9	17.0	16.2	15.3	14.4	13.4	12.2	10.9	9.6
-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: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.7	6.5	5.2	4.0	2.7	1.3	0.0
85°	15.3	12.9	10.5	7.9	5.3	2.6	0.0
82.5°	22.9	19.4	15.7	11.9	8.0	3.9	0.0
80°	31.2	25.8	20.9	15.8	10.6	5.2	0.0
77.5°	44.3	33.6	26.0	19.7	13.3	6.5	0.0
75°	57.3	44.1	31.6	23.6	15.9	7.8	0.0
72.5°	70.1	54.4	39.6	27.4	18.4	9.1	0.0
70°	83.0	64.5	47.5	31.6	20.9	10.3	0.0
67.5°	99.0	74.4	55.2	37.2	23.4	11.5	0.0
65°	114.4	85.4	62.7	42.6	25.8	12.7	0.0
62.5°	129.3	97.4	70.1	48.0	28.2	13.9	0.0
60°	143.7	109.0	77.2	53.2	30.5	15.0	0.0
57.5°	160.0	120.2	85.7	58.2	33.8	16.1	0.0
55°	175.8	130.8	94.0	63.1	37.0	17.2	0.0
52.5°	190.7	141.3	101.9	67.8	40.1	18.3	0.0
50°	204.8	152.7	109.4	72.3	43.0	19.3	0.0
47.5°	218.2	163.4	116.5	76.8	45.9	20.3	0.0
45°	232.2	173.5	123.3	81.8	48.7	21.2	0.0
42.5°	245.1	182.8	129.5	86.6	51.3	22.1	0.0
40°	256.9	191.3	135.9	91.1	53.8	22.9	0.0
37.5°	267.5	199.1	142.3	95.3	56.1	23.7	0.0
35°	276.9	206.8	148.1	99.3	58.3	24.5	0.0
32.5°	286.0	214.1	153.3	103.0	60.4	25.2	0.0
30°	295.8	220.5	158.0	106.4	62.3	25.9	0.0
27.5°	304.2	226.0	162.4	109.5	64.1	26.5	0.0
25°	311.3	230.6	166.4	112.4	65.7	27.0	0.0
22.5°	317.2	234.7	169.7	114.9	67.2	27.5	0.0
20°	321.7	238.7	172.5	117.1	68.5	28.0	0.0
17.5°	325.7	242.0	174.8	119.0	69.7	28.4	0.0
15°	329.0	244.6	176.6	120.6	70.7	28.7	0.0
12.5°	331.0	246.5	177.8	121.9	71.5	29.0	0.0
10°	331.8	247.7	178.5	122.9	72.1	29.2	0.0
7.5°	331.5	248.2	178.8	123.6	72.6	29.4	0.0
5°	330.0	248.0	178.6	124.0	73.0	29.5	0.0
2.5°	327.5	247.1	177.9	124.1	73.1	29.6	0.0
0°	324.0	245.6	176.8	123.9	73.1	29.6	0.0
-2.5°	320.3	243.3	175.9	123.3	72.9	29.6	0.0
-5°	315.7	240.3	174.7	122.5	72.6	29.6	0.0
-7.5°	310.2	236.8	173.0	121.4	72.1	29.6	0.0
-10°	304.0	232.7	171.0	119.9	71.4	29.4	0.0
-12.5°	297.0	228.1	168.5	118.3	70.6	29.2	0.0
-15°	289.3	223.1	165.7	116.3	69.7	29.0	0.0
-17.5°	280.9	217.6	162.5	114.2	68.6	28.7	0.0
-20°	272.3	211.8	159.0	111.8	67.3	28.3	0.0



REPORT NUMBER: P558714 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	263.6	205.6	155.1	109.1	65.9	27.9	0.0
-25°	254.4	199.4	150.8	106.2	64.4	27.4	0.0
-27.5°	244.7	192.9	146.2	103.1	62.8	26.9	0.0
-30°	234.6	186.0	141.3	99.8	61.0	26.3	0.0
-32.5°	224.1	178.7	136.3	96.4	59.2	25.7	0.0
-35°	214.3	171.1	130.9	92.7	57.2	25.0	0.0
-37.5°	204.6	163.4	125.3	88.8	55.1	24.3	0.0
-40°	194.5	156.1	119.5	84.8	52.9	23.5	0.0
-42.5°	184.1	148.4	113.7	80.6	50.6	22.6	0.0
-45°	173.4	140.6	108.0	76.3	48.3	21.7	0.0
-47.5°	162.4	132.5	102.0	71.8	45.8	20.8	0.0
-50°	152.3	124.2	95.8	67.8	43.3	19.8	0.0
-52.5°	142.3	115.7	89.5	63.9	40.6	18.8	0.0
-55°	132.1	107.5	83.0	59.8	37.9	17.7	0.0
-57.5°	121.7	99.2	76.3	55.7	35.2	16.6	0.0
-60°	111.3	90.8	69.5	51.4	32.3	15.5	0.0
-62.5°	101.0	82.1	63.7	47.1	29.9	14.3	0.0
-65°	90.7	73.4	57.8	42.6	27.4	13.1	0.0
-67.5°	80.1	65.2	51.9	38.1	24.9	11.9	0.0
-70°	69.4	57.7	45.8	33.5	22.3	10.6	0.0
-72.5°	60.3	50.2	39.7	29.3	19.6	9.4	0.0
-75°	51.2	42.5	33.5	25.2	16.9	8.1	0.0
-77.5°	42.1	34.8	27.8	21.1	14.1	6.7	0.0
-80°	32.9	27.6	22.3	16.9	11.4	5.4	0.0
-82.5°	24.6	20.8	16.8	12.7	8.5	4.1	0.0
-85°	16.4	13.9	11.2	8.5	5.7	2.7	0.0
-87.5°	8.2	6.9	5.6	4.2	2.9	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)