

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: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-930-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558986 (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-SA4E-930-U-WAF-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

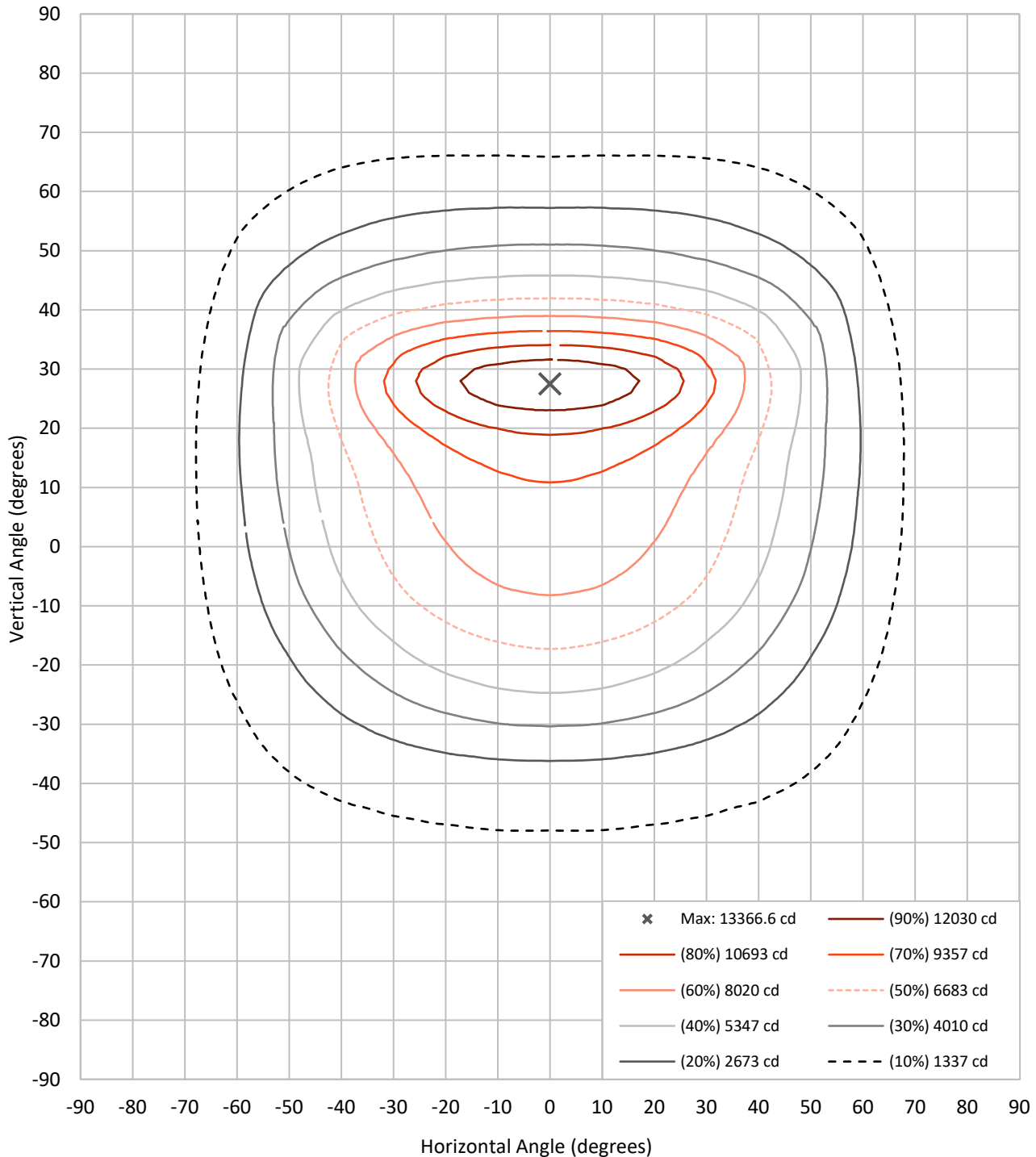
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	19486.3 lumens	Max Intensity:	13366.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	77.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	10127 lumens	Field Lumens:	18026.5 lumens
Beam Efficiency:	52.0%	Field Efficiency:	92.5%
Input Watts (W):	250		
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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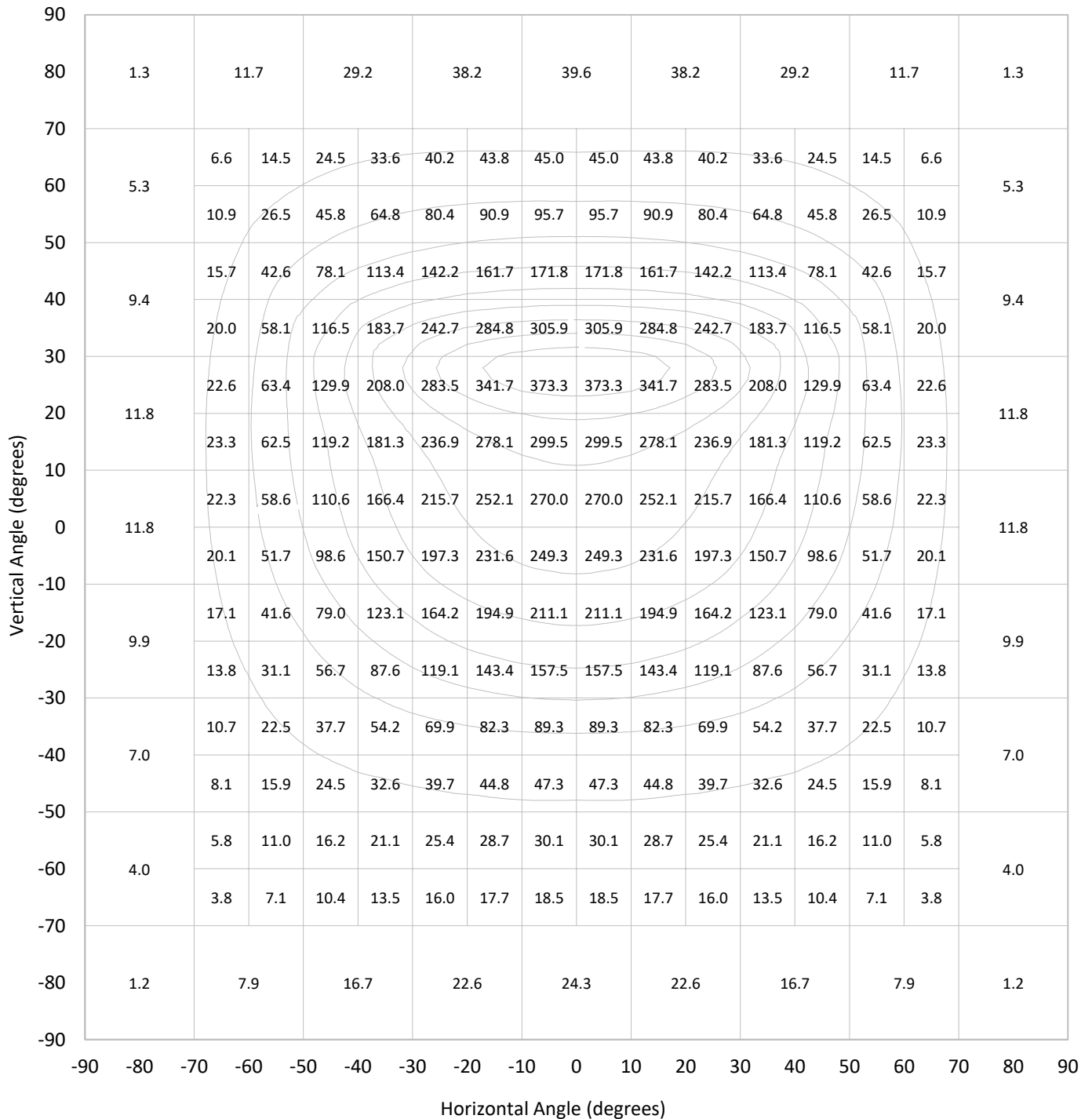
Iso-Candela Plot





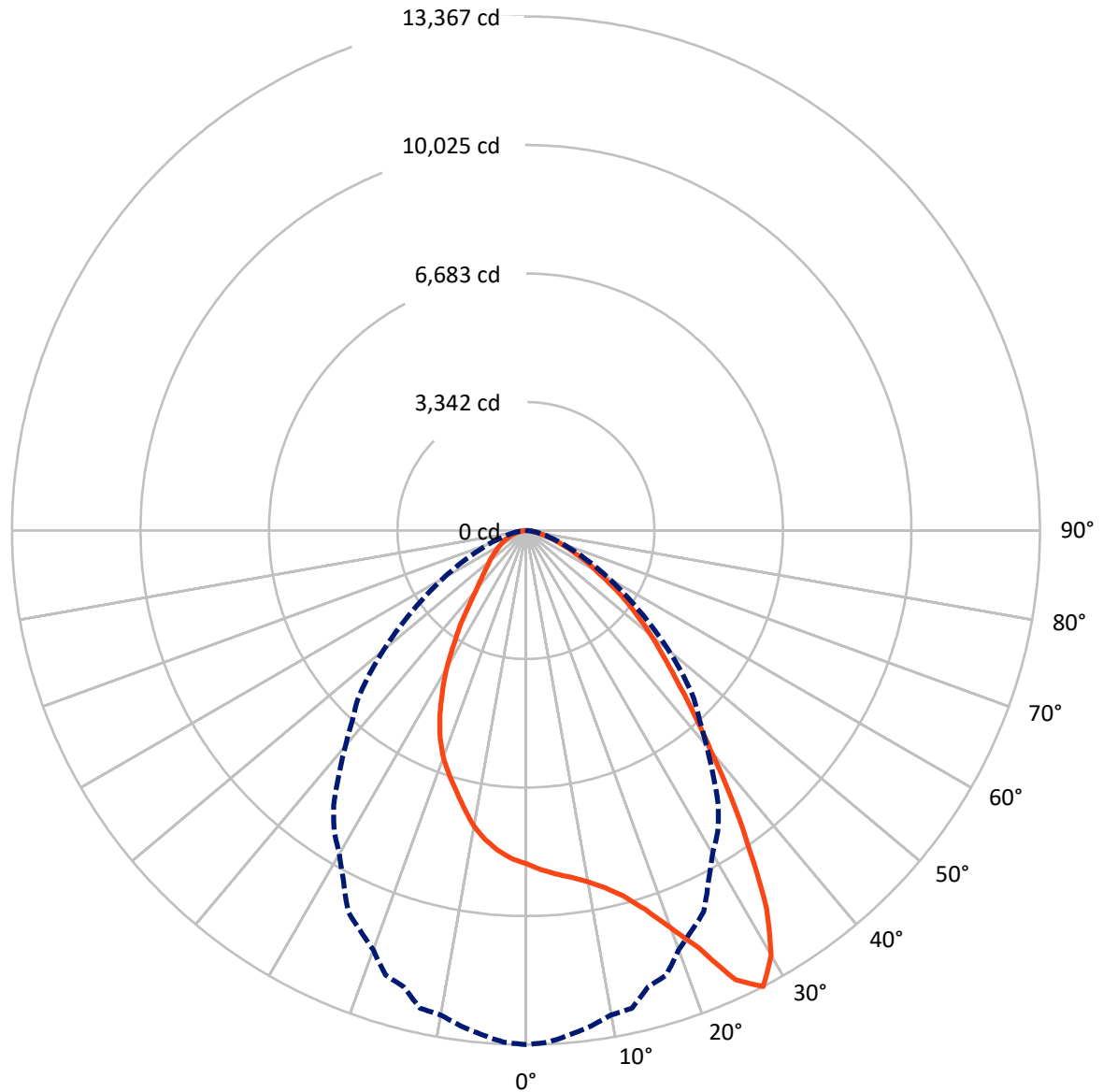
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Lumen Table



REPORT NUMBER: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
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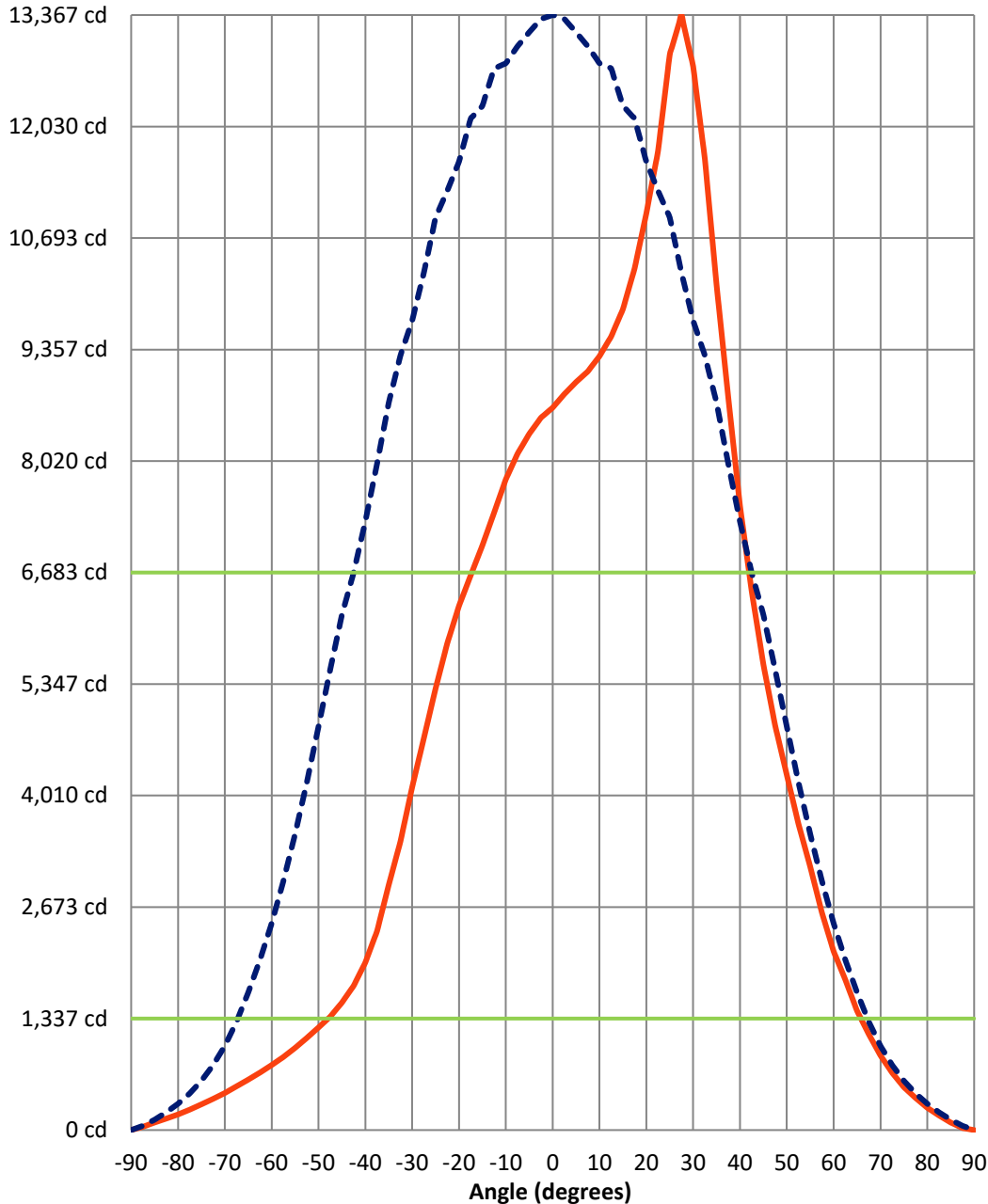
Luminous Intensity Polar Plot



— 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: 10127
 Efficiency: 52.0%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 18026.5
 Efficiency: 92.5%

Spill:
 Lumens: 1459.8
 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	2.6	5.2	7.7	10.2	12.6	14.9	17.2	19.3	21.4	23.5
85°	0.0	5.1	10.4	15.4	20.3	25.1	29.8	34.3	38.6	42.8	46.9
82.5°	0.0	7.6	15.5	23.1	30.5	37.6	44.6	51.4	59.1	72.0	85.4
80°	0.0	10.2	20.7	30.7	40.5	50.1	60.7	77.5	95.2	113.5	132.6
77.5°	0.0	12.7	25.7	38.3	50.5	65.3	86.2	108.1	130.9	154.6	182.3
75°	0.0	15.2	30.8	45.8	61.5	85.6	111.3	138.2	167.1	203.6	241.0
72.5°	0.0	17.6	35.7	53.2	77.0	105.7	136.1	170.1	212.0	254.9	298.8
70°	0.0	20.0	40.6	61.3	92.3	125.3	161.3	208.1	256.0	305.4	363.2
67.5°	0.0	22.4	45.5	72.2	107.2	144.6	192.2	245.2	299.3	363.5	428.1
65°	0.0	24.7	50.2	82.8	121.8	165.9	222.1	281.5	349.5	420.3	495.4
62.5°	0.0	27.0	54.8	93.2	136.0	189.2	251.1	321.9	398.4	477.7	569.4
60°	0.0	29.2	59.3	103.3	149.8	211.7	279.1	363.3	446.1	541.0	641.1
57.5°	0.0	31.4	65.6	113.1	166.4	233.3	310.6	403.0	497.8	602.0	722.9
55°	0.0	33.5	71.8	122.5	182.5	254.0	341.3	440.0	549.0	663.7	806.7
52.5°	0.0	35.5	77.8	131.6	197.8	274.2	370.4	479.3	598.0	732.8	885.7
50°	0.0	37.5	83.6	140.4	212.4	296.5	397.7	516.6	647.4	797.7	980.2
47.5°	0.0	39.4	89.1	149.2	226.3	317.4	423.7	551.4	700.1	858.2	1070.3
45°	0.0	41.2	94.5	158.9	239.3	336.9	450.9	583.5	746.0	931.3	1153.2
42.5°	0.0	43.0	99.6	168.0	251.5	355.0	476.0	617.1	788.1	998.6	1246.5
40°	0.0	44.6	104.4	176.8	263.9	371.6	498.8	650.8	830.6	1059.2	1334.0
37.5°	0.0	46.2	109.0	185.0	276.2	386.7	519.5	681.4	876.5	1114.6	1412.2
35°	0.0	47.6	113.3	192.8	287.5	401.8	537.8	708.9	916.9	1173.5	1486.0
32.5°	0.0	49.0	117.3	199.9	297.7	415.9	555.5	733.1	951.8	1223.8	1551.7
30°	0.0	50.3	121.0	206.6	306.8	428.3	574.4	755.7	981.3	1265.7	1606.2
27.5°	0.0	51.5	124.5	212.6	315.5	439.0	590.8	779.1	1008.7	1299.2	1649.5
25°	0.0	52.6	127.6	218.1	323.1	447.9	604.6	798.2	1035.3	1329.9	1682.0
22.5°	0.0	53.6	130.5	223.0	329.6	455.8	615.9	813.1	1055.3	1354.8	1709.8
20°	0.0	54.4	133.0	227.3	335.1	463.6	624.7	823.8	1069.0	1370.8	1727.7
17.5°	0.0	55.2	135.3	231.1	339.6	470.0	632.6	830.6	1076.4	1378.5	1736.0
15°	0.0	55.9	137.2	234.2	343.0	475.0	638.9	835.3	1077.9	1377.9	1734.9
12.5°	0.0	56.4	138.8	236.7	345.4	478.7	642.9	838.7	1077.9	1369.7	1724.6
10°	0.0	56.9	140.0	238.7	346.8	481.1	644.4	839.0	1076.1	1365.6	1708.9
7.5°	0.0	57.2	141.0	240.0	347.3	482.0	643.7	836.1	1069.8	1356.9	1691.5
5°	0.0	57.5	141.6	240.8	346.8	481.7	640.9	830.2	1059.1	1342.5	1665.5
2.5°	0.0	57.6	141.9	241.0	345.5	480.0	636.0	821.5	1044.4	1322.6	1631.9
0°	0.0	57.6	141.9	240.6	343.4	477.0	629.2	810.1	1026.0	1297.4	1591.4
-2.5°	0.0	57.7	141.6	239.5	341.7	472.5	622.0	798.2	1007.9	1269.5	1550.7
-5°	0.0	57.6	140.9	237.8	339.3	466.8	613.1	783.9	986.5	1237.1	1504.6
-7.5°	0.0	57.5	139.9	235.7	336.1	459.9	602.5	767.5	962.2	1200.6	1453.9
-10°	0.0	57.2	138.7	232.9	332.1	452.0	590.4	749.1	935.3	1160.7	1399.2
-12.5°	0.0	56.9	137.1	229.7	327.3	443.1	576.9	728.9	905.9	1118.1	1345.6
-15°	0.0	56.4	135.3	225.9	321.9	433.3	561.9	707.0	875.7	1076.1	1290.7
-17.5°	0.0	55.8	133.1	221.7	315.7	422.7	545.7	685.2	845.6	1031.9	1233.2
-20°	0.0	55.1	130.7	217.0	308.8	411.3	528.9	663.0	813.9	985.7	1173.3



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	54.3	128.1	211.9	301.2	399.3	512.0	639.3	780.7	937.9	1111.5
-25°	0.0	53.4	125.1	206.3	292.9	387.2	494.1	614.1	746.4	888.9	1048.2
-27.5°	0.0	52.3	122.0	200.3	284.0	374.6	475.3	587.7	711.1	841.4	988.2
-30°	0.0	51.2	118.6	193.9	274.5	361.3	455.7	560.0	677.0	798.1	928.3
-32.5°	0.0	50.0	115.0	187.2	264.6	347.2	435.3	534.1	643.0	754.6	868.8
-35°	0.0	48.6	111.1	180.0	254.3	332.4	416.2	508.6	608.1	711.1	809.8
-37.5°	0.0	47.2	107.1	172.5	243.4	317.4	397.3	482.6	572.2	667.7	761.1
-40°	0.0	45.6	102.8	164.7	232.1	303.1	377.8	456.1	535.5	625.5	714.9
-42.5°	0.0	44.0	98.4	156.6	220.8	288.3	357.6	429.2	502.5	584.8	667.9
-45°	0.0	42.2	93.8	148.3	209.7	273.0	336.8	403.2	471.5	544.0	620.6
-47.5°	0.0	40.4	89.0	139.6	198.1	257.3	315.4	378.4	440.4	503.1	575.4
-50°	0.0	38.5	84.0	131.8	186.1	241.2	295.9	353.0	409.8	468.8	530.5
-52.5°	0.0	36.5	78.9	124.2	173.8	224.7	276.3	327.1	380.1	433.8	486.3
-55°	0.0	34.5	73.7	116.3	161.1	208.8	256.5	301.2	350.5	398.3	447.2
-57.5°	0.0	32.3	68.3	108.2	148.1	192.7	236.4	278.2	320.5	364.3	407.6
-60°	0.0	30.1	62.8	99.9	135.0	176.3	216.1	254.9	290.9	330.5	368.6
-62.5°	0.0	27.8	58.1	91.4	123.8	159.5	196.2	231.3	264.2	296.3	331.2
-65°	0.0	25.5	53.3	82.8	112.4	142.4	176.0	207.5	237.2	265.5	293.6
-67.5°	0.0	23.1	48.3	74.0	100.7	126.6	155.5	184.1	210.0	235.4	259.3
-70°	0.0	20.7	43.3	65.0	89.0	112.1	134.8	160.5	183.8	205.0	226.2
-72.5°	0.0	18.2	38.1	56.9	77.0	97.4	117.0	136.7	157.6	176.6	193.5
-75°	0.0	15.7	32.8	49.0	65.0	82.5	99.4	115.7	131.4	148.2	163.2
-77.5°	0.0	13.1	27.5	40.9	54.1	67.5	81.7	95.5	108.5	120.7	132.9
-80°	0.0	10.5	22.1	32.8	43.4	53.6	63.9	75.2	85.9	96.0	105.4
-82.5°	0.0	7.9	16.6	24.7	32.6	40.3	47.8	55.5	63.3	71.2	78.6
-85°	0.0	5.3	11.1	16.5	21.8	26.9	31.9	37.1	42.2	47.2	52.1
-87.5°	0.0	2.6	5.5	8.2	10.9	13.5	16.0	18.5	21.1	23.6	26.1
-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: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-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°	24.7	25.7	26.5	27.1	28.2	29.1	29.9	30.6	31.1	31.5	31.8
85°	49.4	51.4	57.5	63.3	69.4	74.9	79.8	84.1	87.6	90.4	92.6
82.5°	96.5	106.8	116.6	125.8	134.2	141.7	148.9	157.1	163.8	169.4	173.9
80°	148.0	162.1	179.2	195.2	209.7	222.9	234.9	245.8	254.3	262.7	271.0
77.5°	208.0	230.8	252.0	271.6	290.5	312.5	333.0	351.7	366.1	377.0	385.4
75°	272.5	299.5	330.5	361.1	389.9	416.4	442.1	473.4	499.0	518.2	533.5
72.5°	341.4	380.3	418.1	454.8	497.1	538.1	578.0	616.5	650.3	675.2	695.3
70°	415.8	461.0	513.2	566.1	616.8	668.4	723.4	773.5	814.9	844.2	872.1
67.5°	491.9	555.2	617.0	680.6	752.7	818.2	878.3	941.6	997.4	1034.1	1066.3
65°	579.5	650.4	733.0	817.3	896.4	978.3	1054.2	1122.8	1193.2	1244.4	1286.5
62.5°	664.2	763.9	861.3	959.9	1059.3	1148.5	1247.5	1335.8	1406.6	1479.9	1542.6
60°	764.7	883.1	1002.6	1121.6	1232.8	1357.9	1466.5	1569.2	1663.9	1745.5	1822.7
57.5°	865.0	1017.9	1159.2	1298.9	1445.9	1579.7	1707.4	1822.5	1935.6	2030.2	2122.8
55°	970.5	1167.4	1330.5	1502.9	1664.7	1815.8	1959.3	2103.4	2224.0	2354.2	2467.5
52.5°	1087.6	1312.5	1523.2	1713.1	1895.4	2069.8	2241.4	2414.8	2584.2	2719.2	2847.2
50°	1197.0	1465.1	1718.6	1935.2	2144.9	2351.9	2566.4	2783.2	2969.8	3124.2	3257.5
47.5°	1317.5	1606.9	1929.0	2168.6	2420.2	2676.7	2937.1	3176.5	3379.9	3589.9	3737.1
45°	1434.9	1750.4	2099.8	2432.3	2723.4	3034.2	3320.9	3585.1	3879.8	4109.1	4305.8
42.5°	1542.1	1886.4	2275.3	2698.5	3062.4	3395.9	3706.4	4077.9	4416.5	4684.6	4930.0
40°	1652.4	2010.0	2434.8	2945.7	3400.5	3756.5	4134.3	4545.0	4985.7	5315.6	5608.9
37.5°	1753.1	2136.6	2580.7	3134.4	3733.3	4124.7	4542.5	4988.0	5490.4	5986.7	6339.3
35°	1842.3	2243.7	2725.6	3287.8	3901.1	4481.7	4923.5	5397.9	5947.8	6591.7	7073.3
32.5°	1923.2	2331.1	2840.4	3407.5	4029.7	4710.4	5270.9	5758.0	6309.7	6974.2	7791.9
30°	1989.1	2415.9	2926.0	3494.1	4118.0	4795.9	5507.8	6038.5	6562.1	7214.2	7975.2
27.5°	2039.2	2478.0	2984.9	3548.0	4165.3	4835.6	5520.4	6175.1	6682.0	7295.5	7987.6
25°	2077.6	2528.9	3016.1	3568.1	4172.2	4818.2	5477.1	6096.7	6665.6	7206.6	7827.7
22.5°	2109.4	2564.0	3050.4	3554.6	4140.7	4756.1	5375.9	5966.6	6517.3	7023.7	7558.0
20°	2133.3	2586.5	3067.6	3567.8	4087.8	4655.3	5248.1	5810.3	6342.2	6832.6	7267.4
17.5°	2144.0	2593.1	3067.6	3565.3	4078.9	4575.4	5091.5	5631.8	6154.8	6642.0	7071.5
15°	2142.1	2584.4	3050.7	3546.3	4052.2	4544.0	5019.4	5465.2	5952.2	6444.7	6872.7
12.5°	2127.9	2561.0	3017.5	3510.8	4008.8	4494.7	4961.5	5409.1	5845.8	6258.3	6667.5
10°	2102.1	2523.6	2968.7	3459.0	3948.7	4427.4	4888.3	5337.4	5769.5	6174.4	6555.5
7.5°	2075.6	2481.8	2910.0	3391.1	3872.1	4342.4	4799.0	5249.0	5672.7	6076.8	6461.6
5°	2040.6	2437.5	2865.3	3326.1	3789.7	4248.6	4695.4	5143.1	5555.6	5963.4	6349.7
2.5°	1996.1	2382.4	2808.9	3247.4	3697.6	4151.6	4583.4	5022.8	5445.7	5837.6	6218.3
0°	1943.0	2317.2	2740.8	3154.0	3589.9	4038.2	4453.5	4883.2	5323.2	5693.3	6065.5
-2.5°	1885.1	2239.1	2641.5	3052.6	3473.9	3913.6	4339.3	4746.8	5177.0	5551.1	5931.2
-5°	1820.2	2152.9	2531.7	2938.3	3344.3	3772.8	4206.6	4594.0	5005.0	5375.0	5748.7
-7.5°	1749.3	2059.8	2413.0	2809.8	3196.6	3600.8	4011.6	4384.3	4783.9	5149.8	5513.9
-10°	1674.4	1968.0	2297.7	2664.6	3029.3	3406.0	3791.9	4156.9	4541.1	4905.5	5255.9
-12.5°	1602.7	1877.4	2178.8	2512.5	2852.8	3200.9	3559.7	3912.0	4276.5	4642.7	4970.3
-15°	1527.6	1782.2	2056.0	2355.0	2668.4	2987.0	3316.6	3650.0	3992.1	4350.3	4652.9
-17.5°	1449.8	1683.3	1930.7	2194.1	2477.6	2766.1	3069.1	3390.9	3703.9	4030.2	4322.9
-20°	1370.3	1581.5	1804.3	2031.3	2283.2	2559.8	2843.2	3132.0	3416.5	3700.6	3975.4



REPORT NUMBER: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-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°	1289.6	1477.6	1680.2	1880.0	2119.6	2369.3	2618.0	2868.7	3123.9	3368.6	3628.5
-25°	1211.7	1381.0	1560.1	1754.3	1959.9	2180.0	2393.8	2605.6	2832.0	3061.3	3285.1
-27.5°	1136.6	1286.0	1455.1	1628.3	1799.5	1995.4	2182.5	2362.1	2559.6	2761.9	2942.7
-30°	1061.3	1203.2	1351.2	1505.0	1655.6	1819.2	1980.9	2138.4	2299.3	2472.6	2629.2
-32.5°	991.5	1121.0	1255.7	1390.5	1518.4	1645.2	1794.7	1934.6	2066.3	2189.7	2326.4
-35°	927.7	1046.4	1163.5	1279.7	1385.1	1496.6	1621.6	1739.5	1845.1	1944.3	2048.8
-37.5°	867.5	973.2	1071.8	1175.7	1269.4	1364.9	1456.8	1558.8	1644.5	1723.8	1809.5
-40°	807.1	901.7	990.5	1077.2	1163.1	1242.9	1321.3	1390.7	1459.7	1535.8	1594.8
-42.5°	747.7	835.5	914.9	981.5	1062.5	1131.3	1192.2	1249.7	1306.0	1365.5	1412.7
-45°	695.3	770.1	842.5	906.3	967.0	1025.6	1077.3	1122.5	1175.8	1217.0	1252.7
-47.5°	642.3	707.1	773.4	832.2	883.0	930.6	969.1	1014.4	1058.2	1093.5	1114.4
-50°	590.3	649.5	705.6	760.4	806.4	844.7	877.8	915.2	951.6	981.6	1001.5
-52.5°	542.2	591.7	643.8	690.4	732.8	767.0	798.7	831.2	857.8	878.4	904.5
-55°	494.8	540.4	583.9	625.7	662.0	693.4	724.4	753.2	776.0	793.8	815.3
-57.5°	450.3	491.4	529.3	564.5	597.0	624.0	654.1	678.8	700.0	716.7	738.9
-60°	406.9	443.7	478.1	508.8	535.5	562.1	586.7	609.3	627.9	644.4	664.7
-62.5°	363.8	397.0	428.0	456.2	480.4	502.5	524.7	544.0	559.4	576.6	593.4
-65°	323.4	351.4	378.6	404.2	427.1	448.1	466.4	482.0	496.5	511.7	525.3
-67.5°	283.1	309.2	332.0	352.4	373.6	393.9	410.8	425.2	437.4	449.8	461.1
-70°	247.0	267.8	288.6	307.0	323.1	340.1	356.5	370.1	380.9	390.7	399.9
-72.5°	211.5	230.0	247.1	263.0	277.7	291.2	304.2	316.4	326.5	334.2	340.8
-75°	177.9	192.2	207.0	220.9	232.8	243.4	253.3	263.1	271.3	277.9	283.2
-77.5°	145.6	157.6	169.0	179.7	188.3	196.6	204.3	211.4	217.8	222.8	226.4
-80°	114.3	123.0	132.3	141.0	147.6	153.3	158.2	162.3	167.0	171.8	176.0
-82.5°	85.1	91.4	97.5	103.4	108.0	111.9	115.3	118.6	121.9	125.0	127.8
-85°	56.0	59.6	63.4	67.0	70.5	73.6	76.2	78.5	80.3	81.9	83.2
-87.5°	28.0	29.8	31.5	33.0	34.7	36.3	37.8	39.2	40.2	40.9	41.6
-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: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-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°	32.0	32.1	32.1	32.0	31.7	30.4	29.0	27.5	25.8	26.6	27.3
85°	94.2	94.6	94.3	93.4	91.9	91.8	91.5	90.9	90.0	91.4	92.6
82.5°	177.4	178.7	178.9	178.1	176.3	177.1	177.4	177.0	175.9	177.2	178.0
80°	277.3	279.9	280.0	278.2	274.4	274.9	275.2	274.4	272.5	273.0	272.9
77.5°	395.0	401.1	403.2	402.3	398.5	397.4	394.7	389.3	381.5	381.3	381.5
75°	545.1	551.4	554.6	554.3	550.7	548.3	544.9	538.7	529.9	529.6	529.7
72.5°	710.8	720.0	724.1	727.8	727.7	726.4	721.9	712.7	699.1	697.5	699.1
70°	893.8	909.2	919.0	926.4	932.4	933.6	930.7	923.3	911.4	908.3	907.3
67.5°	1097.6	1122.3	1140.9	1153.3	1165.0	1173.4	1176.6	1173.2	1163.6	1160.4	1161.7
65°	1326.1	1364.1	1395.5	1418.9	1434.7	1445.8	1455.5	1461.3	1462.8	1466.2	1470.7
62.5°	1593.0	1639.6	1683.3	1713.0	1728.3	1739.0	1770.4	1788.4	1793.6	1794.7	1801.6
60°	1890.9	1949.9	2004.4	2048.1	2083.4	2110.2	2136.8	2154.4	2161.0	2162.3	2171.8
57.5°	2216.8	2290.8	2354.5	2422.3	2469.5	2496.9	2532.5	2569.2	2588.4	2593.9	2616.5
55°	2577.2	2678.3	2761.0	2833.4	2899.3	2957.3	3006.3	3044.2	3072.2	3089.0	3118.9
52.5°	2975.9	3094.6	3181.0	3266.1	3360.7	3427.3	3470.9	3540.9	3591.6	3619.5	3655.1
50°	3413.5	3545.9	3663.6	3752.9	3862.8	3953.8	4020.2	4086.5	4132.9	4159.5	4194.0
47.5°	3911.8	4074.8	4211.4	4294.1	4421.7	4529.0	4572.3	4622.3	4709.7	4751.7	4788.6
45°	4472.8	4680.7	4832.5	4961.8	5071.6	5191.9	5270.7	5327.5	5413.6	5456.9	5484.1
42.5°	5140.2	5371.5	5571.6	5726.8	5819.1	5975.1	6088.9	6120.9	6242.9	6325.6	6350.0
40°	5888.9	6145.2	6409.1	6586.0	6734.6	6893.0	7080.8	7185.3	7288.5	7369.6	7388.0
37.5°	6669.0	7012.1	7313.2	7541.6	7787.2	8021.0	8220.1	8328.6	8396.3	8551.4	8609.4
35°	7462.0	7816.1	8237.9	8592.9	8890.5	9179.2	9406.2	9585.1	9755.3	9895.0	9978.6
32.5°	8137.3	8518.3	9039.1	9570.7	9892.1	10204.6	10577.6	10782.1	11009.3	11193.3	11327.8
30°	8692.2	9054.5	9528.6	10195.7	10635.7	10952.5	11424.5	11707.3	11954.7	12266.7	12375.2
27.5°	8718.5	9284.7	9704.1	10278.5	10938.9	11260.4	11609.7	12123.9	12279.8	12724.6	12788.7
25°	8489.6	9084.2	9515.1	9994.6	10543.6	10934.9	11253.9	11681.4	11905.2	12191.2	12410.9
22.5°	8131.7	8655.7	9095.3	9501.9	9930.3	10286.5	10578.1	10878.6	11124.2	11346.2	11552.3
20°	7736.4	8233.8	8650.7	9000.3	9339.9	9670.1	9932.3	10184.7	10397.2	10587.7	10705.0
17.5°	7458.0	7815.9	8241.8	8600.0	8894.4	9153.6	9424.8	9636.1	9822.4	9993.9	10101.1
15°	7267.9	7608.3	7911.5	8240.2	8550.4	8797.5	9001.7	9219.7	9380.8	9528.4	9644.6
12.5°	7070.7	7421.3	7738.6	8012.4	8255.2	8525.1	8743.4	8914.9	9083.8	9199.7	9319.1
10°	6905.9	7234.0	7563.1	7852.2	8107.7	8330.1	8536.7	8729.1	8880.7	9010.7	9104.7
7.5°	6810.3	7132.0	7427.8	7705.2	7954.2	8191.2	8404.4	8580.7	8730.9	8865.5	8964.0
5°	6699.4	7017.8	7313.1	7596.6	7835.8	8063.5	8275.8	8457.2	8612.7	8732.6	8826.8
2.5°	6572.2	6886.3	7180.9	7469.1	7708.2	7927.8	8128.7	8305.6	8467.6	8581.9	8662.1
0°	6427.3	6741.9	7029.8	7301.2	7541.7	7778.2	7963.2	8142.1	8300.4	8413.5	8493.7
-2.5°	6281.2	6593.8	6891.8	7151.8	7390.6	7609.0	7805.9	7974.9	8126.0	8238.7	8309.1
-5°	6087.0	6397.7	6691.8	6953.8	7203.2	7422.4	7613.9	7785.7	7931.4	8054.1	8149.6
-7.5°	5851.8	6166.0	6459.8	6727.3	6975.5	7182.7	7366.6	7539.7	7695.2	7829.3	7946.7
-10°	5593.2	5904.0	6181.6	6432.2	6663.4	6874.0	7069.7	7240.7	7383.1	7514.5	7613.4
-12.5°	5292.1	5579.8	5851.3	6098.4	6324.4	6535.3	6721.3	6884.2	7027.7	7144.2	7233.2
-15°	4959.8	5232.9	5490.1	5742.5	5979.3	6186.9	6350.6	6522.3	6646.6	6759.6	6839.8
-17.5°	4604.3	4868.4	5138.8	5391.9	5610.5	5815.3	5995.4	6152.3	6282.8	6386.4	6476.9
-20°	4243.9	4512.9	4773.2	5014.4	5224.6	5414.5	5596.9	5747.6	5881.3	5994.0	6100.2



REPORT NUMBER: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3882.1	4128.8	4373.0	4609.0	4807.9	4987.4	5147.1	5291.2	5409.2	5542.1	5635.9
-25°	3510.2	3726.5	3947.1	4155.5	4343.5	4520.0	4664.7	4791.1	4914.1	5042.4	5133.8
-27.5°	3136.7	3327.9	3507.1	3691.5	3856.2	4009.0	4143.4	4254.0	4373.4	4459.1	4559.6
-30°	2767.3	2940.7	3090.2	3218.6	3373.4	3504.5	3609.1	3718.9	3817.6	3899.4	3984.2
-32.5°	2454.5	2573.1	2692.4	2799.8	2902.8	3010.6	3094.8	3190.7	3258.4	3328.9	3397.3
-35°	2153.9	2245.2	2324.5	2424.8	2502.0	2560.8	2631.0	2701.4	2728.4	2805.1	2845.9
-37.5°	1881.7	1941.6	2015.6	2085.5	2142.8	2186.6	2249.2	2286.1	2305.4	2355.0	2381.6
-40°	1648.6	1686.5	1755.5	1803.3	1837.8	1869.6	1921.6	1945.5	1972.0	1996.7	1997.4
-42.5°	1443.6	1492.3	1539.2	1576.7	1598.4	1634.7	1659.2	1661.9	1696.2	1718.2	1721.6
-45°	1276.0	1325.5	1362.6	1390.1	1411.8	1443.1	1458.9	1467.7	1495.7	1510.5	1517.1
-47.5°	1147.2	1181.8	1213.9	1235.1	1263.7	1286.8	1298.4	1313.1	1334.6	1348.2	1358.0
-50°	1034.0	1061.4	1085.8	1105.2	1133.7	1154.2	1165.3	1183.4	1199.5	1209.4	1217.1
-52.5°	934.4	958.8	975.8	994.7	1018.2	1036.5	1050.6	1068.5	1081.9	1090.6	1097.4
-55°	841.2	864.2	880.7	901.3	918.1	930.4	942.4	959.9	973.0	981.9	987.7
-57.5°	758.9	776.2	792.4	811.1	827.2	840.5	851.2	860.9	869.5	876.8	882.4
-60°	681.8	695.9	710.7	725.4	737.5	747.1	758.6	767.4	773.0	776.5	781.1
-62.5°	607.8	620.4	633.5	645.4	655.0	663.0	672.4	679.6	684.8	688.4	691.2
-65°	537.4	548.2	559.4	569.2	577.5	584.5	591.1	596.2	599.8	602.9	605.3
-67.5°	471.5	480.1	487.9	494.7	501.0	506.9	512.7	516.6	518.7	521.2	523.7
-70°	408.0	414.8	420.0	424.0	427.7	432.4	438.0	441.8	444.1	446.5	448.8
-72.5°	346.5	351.5	355.7	359.1	361.1	364.2	368.0	371.1	373.5	375.4	376.3
-75°	287.4	291.5	295.2	297.8	299.3	301.5	303.4	304.4	304.6	305.5	306.0
-77.5°	229.5	233.6	237.1	239.5	241.0	242.8	244.2	245.0	245.2	245.2	244.7
-80°	179.1	181.9	184.2	186.0	187.1	188.4	189.1	189.2	188.8	189.2	189.3
-82.5°	130.1	132.6	134.6	136.2	137.2	138.5	139.5	140.2	140.6	140.7	140.5
-85°	84.2	85.4	86.4	87.4	88.3	88.9	89.2	89.2	89.0	89.1	89.0
-87.5°	42.1	41.6	41.0	40.2	39.2	39.4	39.6	39.7	39.7	40.1	40.5
-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: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-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°	28.0	28.7	26.7	24.7	26.7	28.7	28.0	27.3	26.6	25.8	27.5
85°	93.5	94.1	92.4	90.5	92.4	94.1	93.5	92.6	91.4	90.0	90.9
82.5°	178.2	178.0	176.6	174.8	176.6	178.0	178.2	178.0	177.2	175.9	177.0
80°	271.9	270.1	269.0	267.3	269.0	270.1	271.9	272.9	273.0	272.5	274.4
77.5°	380.6	378.5	381.9	384.5	381.9	378.5	380.6	381.5	381.3	381.5	389.3
75°	527.6	523.6	519.6	514.0	519.6	523.6	527.6	529.7	529.6	529.9	538.7
72.5°	698.4	695.2	692.0	686.7	692.0	695.2	698.4	699.1	697.5	699.1	712.7
70°	901.9	892.4	893.9	894.4	893.9	892.4	901.9	907.3	908.3	911.4	923.3
67.5°	1157.9	1149.3	1150.4	1149.4	1150.4	1149.3	1157.9	1161.7	1160.4	1163.6	1173.2
65°	1468.0	1458.2	1446.4	1429.0	1446.4	1458.2	1468.0	1470.7	1466.2	1462.8	1461.3
62.5°	1800.8	1792.1	1797.1	1801.1	1797.1	1792.1	1800.8	1801.6	1794.7	1793.6	1788.4
60°	2170.3	2158.2	2152.2	2142.4	2152.2	2158.2	2170.3	2171.8	2162.3	2161.0	2154.4
57.5°	2626.8	2624.6	2619.3	2605.1	2619.3	2624.6	2626.8	2616.5	2593.9	2588.4	2569.2
55°	3133.0	3130.1	3141.8	3156.1	3141.8	3130.1	3133.0	3118.9	3089.0	3072.2	3044.2
52.5°	3681.5	3690.7	3687.4	3668.1	3687.4	3690.7	3681.5	3655.1	3619.5	3591.6	3540.9
50°	4224.4	4234.8	4245.9	4256.1	4245.9	4234.8	4224.4	4194.0	4159.5	4132.9	4086.5
47.5°	4839.7	4867.1	4871.9	4852.4	4871.9	4867.1	4839.7	4788.6	4751.7	4709.7	4622.3
45°	5538.8	5555.3	5563.7	5580.2	5563.7	5555.3	5538.8	5484.1	5456.9	5413.6	5327.5
42.5°	6420.1	6439.2	6442.2	6460.2	6442.2	6439.2	6420.1	6350.0	6325.6	6242.9	6120.9
40°	7466.3	7497.3	7491.9	7484.2	7491.9	7497.3	7466.3	7388.0	7369.6	7288.5	7185.3
37.5°	8690.9	8743.6	8749.1	8781.6	8749.1	8743.6	8690.9	8609.4	8551.4	8396.3	8328.6
35°	10065.3	10127.2	10116.5	10132.4	10116.5	10127.2	10065.3	9978.6	9895.0	9755.3	9585.1
32.5°	11451.6	11544.6	11563.2	11641.6	11563.2	11544.6	11451.6	11327.8	11193.3	11009.3	10782.1
30°	12540.8	12671.1	12756.2	12749.8	12756.2	12671.1	12540.8	12375.2	12266.7	11954.7	11707.3
27.5°	12991.9	13160.8	13319.0	13366.6	13319.0	13160.8	12991.9	12788.7	12724.6	12279.8	12123.9
25°	12551.7	12675.1	12814.8	12889.6	12814.8	12675.1	12551.7	12410.9	12191.2	11905.2	11681.4
22.5°	11647.1	11727.4	11775.0	11736.2	11775.0	11727.4	11647.1	11552.3	11346.2	11124.2	10878.6
20°	10826.4	10927.9	10946.8	10987.7	10946.8	10927.9	10826.4	10705.0	10587.7	10397.2	10184.7
17.5°	10215.4	10281.9	10321.0	10329.8	10321.0	10281.9	10215.4	10101.1	9993.9	9822.4	9636.1
15°	9736.6	9789.9	9824.9	9840.4	9824.9	9789.9	9736.6	9644.6	9528.4	9380.8	9219.7
12.5°	9397.3	9462.3	9494.2	9513.5	9494.2	9462.3	9397.3	9319.1	9199.7	9083.8	8914.9
10°	9179.8	9242.5	9267.7	9277.1	9267.7	9242.5	9179.8	9104.7	9010.7	8880.7	8729.1
7.5°	9023.5	9063.8	9080.8	9094.1	9080.8	9063.8	9023.5	8964.0	8865.5	8730.9	8580.7
5°	8897.5	8929.5	8947.5	8966.6	8947.5	8929.5	8897.5	8826.8	8732.6	8612.7	8457.2
2.5°	8725.9	8771.7	8803.5	8822.7	8803.5	8771.7	8725.9	8662.1	8581.9	8467.6	8305.6
0°	8557.4	8600.6	8623.2	8660.2	8623.2	8600.6	8557.4	8493.7	8413.5	8300.4	8142.1
-2.5°	8372.2	8422.2	8481.6	8538.9	8481.6	8422.2	8372.2	8309.1	8238.7	8126.0	7974.9
-5°	8230.5	8296.5	8309.0	8345.7	8309.0	8296.5	8230.5	8149.6	8054.1	7931.4	7785.7
-7.5°	8016.7	8046.9	8098.0	8107.2	8098.0	8046.9	8016.7	7946.7	7829.3	7695.2	7539.7
-10°	7687.3	7736.3	7768.2	7800.8	7768.2	7736.3	7687.3	7613.4	7514.5	7383.1	7240.7
-12.5°	7300.2	7357.8	7409.2	7401.9	7409.2	7357.8	7300.2	7233.2	7144.2	7027.7	6884.2
-15°	6923.1	6978.7	7014.0	7009.2	7014.0	6978.7	6923.1	6839.8	6759.6	6646.6	6522.3
-17.5°	6548.8	6599.5	6650.7	6649.4	6650.7	6599.5	6548.8	6476.9	6386.4	6282.8	6152.3
-20°	6162.3	6205.7	6260.5	6283.4	6260.5	6205.7	6162.3	6100.2	5994.0	5881.3	5747.6



REPORT NUMBER: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-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°	5715.4	5770.9	5810.7	5835.2	5810.7	5770.9	5715.4	5635.9	5542.1	5409.2	5291.2
-25°	5194.4	5251.4	5281.7	5292.4	5281.7	5251.4	5194.4	5133.8	5042.4	4914.1	4791.1
-27.5°	4618.9	4682.8	4713.9	4698.2	4713.9	4682.8	4618.9	4559.6	4459.1	4373.4	4254.0
-30°	4028.7	4069.7	4074.5	4110.1	4074.5	4069.7	4028.7	3984.2	3899.4	3817.6	3718.9
-32.5°	3446.3	3473.8	3458.2	3460.4	3458.2	3473.8	3446.3	3397.3	3328.9	3258.4	3190.7
-35°	2871.3	2893.3	2897.7	2938.2	2897.7	2893.3	2871.3	2845.9	2805.1	2728.4	2701.4
-37.5°	2409.1	2418.0	2404.4	2385.1	2404.4	2418.0	2409.1	2381.6	2355.0	2305.4	2286.1
-40°	2017.0	2023.8	2018.8	2008.8	2018.8	2023.8	2017.0	1997.4	1996.7	1972.0	1945.5
-42.5°	1735.0	1735.0	1730.4	1729.2	1730.4	1735.0	1735.0	1721.6	1718.2	1696.2	1661.9
-45°	1526.6	1528.8	1528.4	1527.7	1528.4	1528.8	1526.6	1517.1	1510.5	1495.7	1467.7
-47.5°	1365.0	1365.4	1363.3	1359.1	1363.3	1365.4	1365.0	1358.0	1348.2	1334.6	1313.1
-50°	1221.8	1221.8	1224.6	1229.5	1224.6	1221.8	1221.8	1217.1	1209.4	1199.5	1183.4
-52.5°	1101.0	1100.7	1102.2	1104.1	1102.2	1100.7	1101.0	1097.4	1090.6	1081.9	1068.5
-55°	990.3	989.7	988.3	984.9	988.3	989.7	990.3	987.7	981.9	973.0	959.9
-57.5°	884.5	883.3	880.6	875.9	880.6	883.3	884.5	882.4	876.8	869.5	860.9
-60°	783.7	784.2	782.9	779.3	782.9	784.2	783.7	781.1	776.5	773.0	767.4
-62.5°	691.8	690.4	690.1	688.8	690.1	690.4	691.8	691.2	688.4	684.8	679.6
-65°	605.7	604.3	604.8	604.5	604.8	604.3	605.7	605.3	602.9	599.8	596.2
-67.5°	524.8	524.3	524.7	524.3	524.7	524.3	524.8	523.7	521.2	518.7	516.6
-70°	450.0	450.2	447.9	444.1	447.9	450.2	450.0	448.8	446.5	444.1	441.8
-72.5°	376.0	374.7	374.8	374.2	374.8	374.7	376.0	376.3	375.4	373.5	371.1
-75°	305.9	305.1	307.0	308.4	307.0	305.1	305.9	306.0	305.5	304.6	304.4
-77.5°	243.5	241.7	243.4	244.7	243.4	241.7	243.5	244.7	245.2	245.2	245.0
-80°	189.1	188.5	188.0	187.1	188.0	188.5	189.1	189.3	189.2	188.8	189.2
-82.5°	140.0	139.2	138.7	137.8	138.7	139.2	140.0	140.5	140.7	140.6	140.2
-85°	88.6	88.0	89.4	90.5	89.4	88.0	88.6	89.0	89.1	89.0	89.2
-87.5°	40.7	40.9	40.1	39.1	40.1	40.9	40.7	40.5	40.1	39.7	39.7
-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: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-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°	29.0	30.4	31.7	32.0	32.1	32.1	32.0	31.8	31.5	31.1	30.6
85°	91.5	91.8	91.9	93.4	94.3	94.6	94.2	92.6	90.4	87.6	84.1
82.5°	177.4	177.1	176.3	178.1	178.9	178.7	177.4	173.9	169.4	163.8	157.1
80°	275.2	274.9	274.4	278.2	280.0	279.9	277.3	271.0	262.7	254.3	245.8
77.5°	394.7	397.4	398.5	402.3	403.2	401.1	395.0	385.4	377.0	366.1	351.7
75°	544.9	548.3	550.7	554.3	554.6	551.4	545.1	533.5	518.2	499.0	473.4
72.5°	721.9	726.4	727.7	727.8	724.1	720.0	710.8	695.3	675.2	650.3	616.5
70°	930.7	933.6	932.4	926.4	919.0	909.2	893.8	872.1	844.2	814.9	773.5
67.5°	1176.6	1173.4	1165.0	1153.3	1140.9	1122.3	1097.6	1066.3	1034.1	997.4	941.6
65°	1455.5	1445.8	1434.7	1418.9	1395.5	1364.1	1326.1	1286.5	1244.4	1193.2	1122.8
62.5°	1770.4	1739.0	1728.3	1713.0	1683.3	1639.6	1593.0	1542.6	1479.9	1406.6	1335.8
60°	2136.8	2110.2	2083.4	2048.1	2004.4	1949.9	1890.9	1822.7	1745.5	1663.9	1569.2
57.5°	2532.5	2496.9	2469.5	2422.3	2354.5	2290.8	2216.8	2122.8	2030.2	1935.6	1822.5
55°	3006.3	2957.3	2899.3	2833.4	2761.0	2678.3	2577.2	2467.5	2354.2	2224.0	2103.4
52.5°	3470.9	3427.3	3360.7	3266.1	3181.0	3094.6	2975.9	2847.2	2719.2	2584.2	2414.8
50°	4020.2	3953.8	3862.8	3752.9	3663.6	3545.9	3413.5	3257.5	3124.2	2969.8	2783.2
47.5°	4572.3	4529.0	4421.7	4294.1	4211.4	4074.8	3911.8	3737.1	3589.9	3379.9	3176.5
45°	5270.7	5191.9	5071.6	4961.8	4832.5	4680.7	4472.8	4305.8	4109.1	3879.8	3585.1
42.5°	6088.9	5975.1	5819.1	5726.8	5571.6	5371.5	5140.2	4930.0	4684.6	4416.5	4077.9
40°	7080.8	6893.0	6734.6	6586.0	6409.1	6145.2	5888.9	5608.9	5315.6	4985.7	4545.0
37.5°	8220.1	8021.0	7787.2	7541.6	7313.2	7012.1	6669.0	6339.3	5986.7	5490.4	4988.0
35°	9406.2	9179.2	8890.5	8592.9	8237.9	7816.1	7462.0	7073.3	6591.7	5947.8	5397.9
32.5°	10577.6	10204.6	9892.1	9570.7	9039.1	8518.3	8137.3	7791.9	6974.2	6309.7	5758.0
30°	11424.5	10952.5	10635.7	10195.7	9528.6	9054.5	8692.2	7975.2	7214.2	6562.1	6038.5
27.5°	11609.7	11260.4	10938.9	10278.5	9704.1	9284.7	8718.5	7987.6	7295.5	6682.0	6175.1
25°	11253.9	10934.9	10543.6	9994.6	9515.1	9084.2	8489.6	7827.7	7206.6	6665.6	6096.7
22.5°	10578.1	10286.5	9930.3	9501.9	9095.3	8655.7	8131.7	7558.0	7023.7	6517.3	5966.6
20°	9932.3	9670.1	9339.9	9000.3	8650.7	8233.8	7736.4	7267.4	6832.6	6342.2	5810.3
17.5°	9424.8	9153.6	8894.4	8600.0	8241.8	7815.9	7458.0	7071.5	6642.0	6154.8	5631.8
15°	9001.7	8797.5	8550.4	8240.2	7911.5	7608.3	7267.9	6872.7	6444.7	5952.2	5465.2
12.5°	8743.4	8525.1	8255.2	8012.4	7738.6	7421.3	7070.7	6667.5	6258.3	5845.8	5409.1
10°	8536.7	8330.1	8107.7	7852.2	7563.1	7234.0	6905.9	6555.5	6174.4	5769.5	5337.4
7.5°	8404.4	8191.2	7954.2	7705.2	7427.8	7132.0	6810.3	6461.6	6076.8	5672.7	5249.0
5°	8275.8	8063.5	7835.8	7596.6	7313.1	7017.8	6699.4	6349.7	5963.4	5555.6	5143.1
2.5°	8128.7	7927.8	7708.2	7469.1	7180.9	6886.3	6572.2	6218.3	5837.6	5445.7	5022.8
0°	7963.2	7778.2	7541.7	7301.2	7029.8	6741.9	6427.3	6065.5	5693.3	5323.2	4883.2
-2.5°	7805.9	7609.0	7390.6	7151.8	6891.8	6593.8	6281.2	5931.2	5551.1	5177.0	4746.8
-5°	7613.9	7422.4	7203.2	6953.8	6691.8	6397.7	6087.0	5748.7	5375.0	5005.0	4594.0
-7.5°	7366.6	7182.7	6975.5	6727.3	6459.8	6166.0	5851.8	5513.9	5149.8	4783.9	4384.3
-10°	7069.7	6874.0	6663.4	6432.2	6181.6	5904.0	5593.2	5255.9	4905.5	4541.1	4156.9
-12.5°	6721.3	6535.3	6324.4	6098.4	5851.3	5579.8	5292.1	4970.3	4642.7	4276.5	3912.0
-15°	6350.6	6186.9	5979.3	5742.5	5490.1	5232.9	4959.8	4652.9	4350.3	3992.1	3650.0
-17.5°	5995.4	5815.3	5610.5	5391.9	5138.8	4868.4	4604.3	4322.9	4030.2	3703.9	3390.9
-20°	5596.9	5414.5	5224.6	5014.4	4773.2	4512.9	4243.9	3975.4	3700.6	3416.5	3132.0



REPORT NUMBER: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5147.1	4987.4	4807.9	4609.0	4373.0	4128.8	3882.1	3628.5	3368.6	3123.9	2868.7
-25°	4664.7	4520.0	4343.5	4155.5	3947.1	3726.5	3510.2	3285.1	3061.3	2832.0	2605.6
-27.5°	4143.4	4009.0	3856.2	3691.5	3507.1	3327.9	3136.7	2942.7	2761.9	2559.6	2362.1
-30°	3609.1	3504.5	3373.4	3218.6	3090.2	2940.7	2767.3	2629.2	2472.6	2299.3	2138.4
-32.5°	3094.8	3010.6	2902.8	2799.8	2692.4	2573.1	2454.5	2326.4	2189.7	2066.3	1934.6
-35°	2631.0	2560.8	2502.0	2424.8	2324.5	2245.2	2153.9	2048.8	1944.3	1845.1	1739.5
-37.5°	2249.2	2186.6	2142.8	2085.5	2015.6	1941.6	1881.7	1809.5	1723.8	1644.5	1558.8
-40°	1921.6	1869.6	1837.8	1803.3	1755.5	1686.5	1648.6	1594.8	1535.8	1459.7	1390.7
-42.5°	1659.2	1634.7	1598.4	1576.7	1539.2	1492.3	1443.6	1412.7	1365.5	1306.0	1249.7
-45°	1458.9	1443.1	1411.8	1390.1	1362.6	1325.5	1276.0	1252.7	1217.0	1175.8	1122.5
-47.5°	1298.4	1286.8	1263.7	1235.1	1213.9	1181.8	1147.2	1114.4	1093.5	1058.2	1014.4
-50°	1165.3	1154.2	1133.7	1105.2	1085.8	1061.4	1034.0	1001.5	981.6	951.6	915.2
-52.5°	1050.6	1036.5	1018.2	994.7	975.8	958.8	934.4	904.5	878.4	857.8	831.2
-55°	942.4	930.4	918.1	901.3	880.7	864.2	841.2	815.3	793.8	776.0	753.2
-57.5°	851.2	840.5	827.2	811.1	792.4	776.2	758.9	738.9	716.7	700.0	678.8
-60°	758.6	747.1	737.5	725.4	710.7	695.9	681.8	664.7	644.4	627.9	609.3
-62.5°	672.4	663.0	655.0	645.4	633.5	620.4	607.8	593.4	576.6	559.4	544.0
-65°	591.1	584.5	577.5	569.2	559.4	548.2	537.4	525.3	511.7	496.5	482.0
-67.5°	512.7	506.9	501.0	494.7	487.9	480.1	471.5	461.1	449.8	437.4	425.2
-70°	438.0	432.4	427.7	424.0	420.0	414.8	408.0	399.9	390.7	380.9	370.1
-72.5°	368.0	364.2	361.1	359.1	355.7	351.5	346.5	340.8	334.2	326.5	316.4
-75°	303.4	301.5	299.3	297.8	295.2	291.5	287.4	283.2	277.9	271.3	263.1
-77.5°	244.2	242.8	241.0	239.5	237.1	233.6	229.5	226.4	222.8	217.8	211.4
-80°	189.1	188.4	187.1	186.0	184.2	181.9	179.1	176.0	171.8	167.0	162.3
-82.5°	139.5	138.5	137.2	136.2	134.6	132.6	130.1	127.8	125.0	121.9	118.6
-85°	89.2	88.9	88.3	87.4	86.4	85.4	84.2	83.2	81.9	80.3	78.5
-87.5°	39.6	39.4	39.2	40.2	41.0	41.6	42.1	41.6	40.9	40.2	39.2
-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: P558986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-930-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°	29.9	29.1	28.2	27.1	26.5	25.7	24.7	23.5	21.4	19.3	17.2
85°	79.8	74.9	69.4	63.3	57.5	51.4	49.4	46.9	42.8	38.6	34.3
82.5°	148.9	141.7	134.2	125.8	116.6	106.8	96.5	85.4	72.0	59.1	51.4
80°	234.9	222.9	209.7	195.2	179.2	162.1	148.0	132.6	113.5	95.2	77.5
77.5°	333.0	312.5	290.5	271.6	252.0	230.8	208.0	182.3	154.6	130.9	108.1
75°	442.1	416.4	389.9	361.1	330.5	299.5	272.5	241.0	203.6	167.1	138.2
72.5°	578.0	538.1	497.1	454.8	418.1	380.3	341.4	298.8	254.9	212.0	170.1
70°	723.4	668.4	616.8	566.1	513.2	461.0	415.8	363.2	305.4	256.0	208.1
67.5°	878.3	818.2	752.7	680.6	617.0	555.2	491.9	428.1	363.5	299.3	245.2
65°	1054.2	978.3	896.4	817.3	733.0	650.4	579.5	495.4	420.3	349.5	281.5
62.5°	1247.5	1148.5	1059.3	959.9	861.3	763.9	664.2	569.4	477.7	398.4	321.9
60°	1466.5	1357.9	1232.8	1121.6	1002.6	883.1	764.7	641.1	541.0	446.1	363.3
57.5°	1707.4	1579.7	1445.9	1298.9	1159.2	1017.9	865.0	722.9	602.0	497.8	403.0
55°	1959.3	1815.8	1664.7	1502.9	1330.5	1167.4	970.5	806.7	663.7	549.0	440.0
52.5°	2241.4	2069.8	1895.4	1713.1	1523.2	1312.5	1087.6	885.7	732.8	598.0	479.3
50°	2566.4	2351.9	2144.9	1935.2	1718.6	1465.1	1197.0	980.2	797.7	647.4	516.6
47.5°	2937.1	2676.7	2420.2	2168.6	1929.0	1606.9	1317.5	1070.3	858.2	700.1	551.4
45°	3320.9	3034.2	2723.4	2432.3	2099.8	1750.4	1434.9	1153.2	931.3	746.0	583.5
42.5°	3706.4	3395.9	3062.4	2698.5	2275.3	1886.4	1542.1	1246.5	998.6	788.1	617.1
40°	4134.3	3756.5	3400.5	2945.7	2434.8	2010.0	1652.4	1334.0	1059.2	830.6	650.8
37.5°	4542.5	4124.7	3733.3	3134.4	2580.7	2136.6	1753.1	1412.2	1114.6	876.5	681.4
35°	4923.5	4481.7	3901.1	3287.8	2725.6	2243.7	1842.3	1486.0	1173.5	916.9	708.9
32.5°	5270.9	4710.4	4029.7	3407.5	2840.4	2331.1	1923.2	1551.7	1223.8	951.8	733.1
30°	5507.8	4795.9	4118.0	3494.1	2926.0	2415.9	1989.1	1606.2	1265.7	981.3	755.7
27.5°	5520.4	4835.6	4165.3	3548.0	2984.9	2478.0	2039.2	1649.5	1299.2	1008.7	779.1
25°	5477.1	4818.2	4172.2	3568.1	3016.1	2528.9	2077.6	1682.0	1329.9	1035.3	798.2
22.5°	5375.9	4756.1	4140.7	3554.6	3050.4	2564.0	2109.4	1709.8	1354.8	1055.3	813.1
20°	5248.1	4655.3	4087.8	3567.8	3067.6	2586.5	2133.3	1727.7	1370.8	1069.0	823.8
17.5°	5091.5	4575.4	4078.9	3565.3	3067.6	2593.1	2144.0	1736.0	1378.5	1076.4	830.6
15°	5019.4	4544.0	4052.2	3546.3	3050.7	2584.4	2142.1	1734.9	1377.9	1077.9	835.3
12.5°	4961.5	4494.7	4008.8	3510.8	3017.5	2561.0	2127.9	1724.6	1369.7	1077.9	838.7
10°	4888.3	4427.4	3948.7	3459.0	2968.7	2523.6	2102.1	1708.9	1365.6	1076.1	839.0
7.5°	4799.0	4342.4	3872.1	3391.1	2910.0	2481.8	2075.6	1691.5	1356.9	1069.8	836.1
5°	4695.4	4248.6	3789.7	3326.1	2865.3	2437.5	2040.6	1665.5	1342.5	1059.1	830.2
2.5°	4583.4	4151.6	3697.6	3247.4	2808.9	2382.4	1996.1	1631.9	1322.6	1044.4	821.5
0°	4453.5	4038.2	3589.9	3154.0	2740.8	2317.2	1943.0	1591.4	1297.4	1026.0	810.1
-2.5°	4339.3	3913.6	3473.9	3052.6	2641.5	2239.1	1885.1	1550.7	1269.5	1007.9	798.2
-5°	4206.6	3772.8	3344.3	2938.3	2531.7	2152.9	1820.2	1504.6	1237.1	986.5	783.9
-7.5°	4011.6	3600.8	3196.6	2809.8	2413.0	2059.8	1749.3	1453.9	1200.6	962.2	767.5
-10°	3791.9	3406.0	3029.3	2664.6	2297.7	1968.0	1674.4	1399.2	1160.7	935.3	749.1
-12.5°	3559.7	3200.9	2852.8	2512.5	2178.8	1877.4	1602.7	1345.6	1118.1	905.9	728.9
-15°	3316.6	2987.0	2668.4	2355.0	2056.0	1782.2	1527.6	1290.7	1076.1	875.7	707.0
-17.5°	3069.1	2766.1	2477.6	2194.1	1930.7	1683.3	1449.8	1233.2	1031.9	845.6	685.2
-20°	2843.2	2559.8	2283.2	2031.3	1804.3	1581.5	1370.3	1173.3	985.7	813.9	663.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2618.0	2369.3	2119.6	1880.0	1680.2	1477.6	1289.6	1111.5	937.9	780.7	639.3
-25°	2393.8	2180.0	1959.9	1754.3	1560.1	1381.0	1211.7	1048.2	888.9	746.4	614.1
-27.5°	2182.5	1995.4	1799.5	1628.3	1455.1	1286.0	1136.6	988.2	841.4	711.1	587.7
-30°	1980.9	1819.2	1655.6	1505.0	1351.2	1203.2	1061.3	928.3	798.1	677.0	560.0
-32.5°	1794.7	1645.2	1518.4	1390.5	1255.7	1121.0	991.5	868.8	754.6	643.0	534.1
-35°	1621.6	1496.6	1385.1	1279.7	1163.5	1046.4	927.7	809.8	711.1	608.1	508.6
-37.5°	1456.8	1364.9	1269.4	1175.7	1071.8	973.2	867.5	761.1	667.7	572.2	482.6
-40°	1321.3	1242.9	1163.1	1077.2	990.5	901.7	807.1	714.9	625.5	535.5	456.1
-42.5°	1192.2	1131.3	1062.5	981.5	914.9	835.5	747.7	667.9	584.8	502.5	429.2
-45°	1077.3	1025.6	967.0	906.3	842.5	770.1	695.3	620.6	544.0	471.5	403.2
-47.5°	969.1	930.6	883.0	832.2	773.4	707.1	642.3	575.4	503.1	440.4	378.4
-50°	877.8	844.7	806.4	760.4	705.6	649.5	590.3	530.5	468.8	409.8	353.0
-52.5°	798.7	767.0	732.8	690.4	643.8	591.7	542.2	486.3	433.8	380.1	327.1
-55°	724.4	693.4	662.0	625.7	583.9	540.4	494.8	447.2	398.3	350.5	301.2
-57.5°	654.1	624.0	597.0	564.5	529.3	491.4	450.3	407.6	364.3	320.5	278.2
-60°	586.7	562.1	535.5	508.8	478.1	443.7	406.9	368.6	330.5	290.9	254.9
-62.5°	524.7	502.5	480.4	456.2	428.0	397.0	363.8	331.2	296.3	264.2	231.3
-65°	466.4	448.1	427.1	404.2	378.6	351.4	323.4	293.6	265.5	237.2	207.5
-67.5°	410.8	393.9	373.6	352.4	332.0	309.2	283.1	259.3	235.4	210.0	184.1
-70°	356.5	340.1	323.1	307.0	288.6	267.8	247.0	226.2	205.0	183.8	160.5
-72.5°	304.2	291.2	277.7	263.0	247.1	230.0	211.5	193.5	176.6	157.6	136.7
-75°	253.3	243.4	232.8	220.9	207.0	192.2	177.9	163.2	148.2	131.4	115.7
-77.5°	204.3	196.6	188.3	179.7	169.0	157.6	145.6	132.9	120.7	108.5	95.5
-80°	158.2	153.3	147.6	141.0	132.3	123.0	114.3	105.4	96.0	85.9	75.2
-82.5°	115.3	111.9	108.0	103.4	97.5	91.4	85.1	78.6	71.2	63.3	55.5
-85°	76.2	73.6	70.5	67.0	63.4	59.6	56.0	52.1	47.2	42.2	37.1
-87.5°	37.8	36.3	34.7	33.0	31.5	29.8	28.0	26.1	23.6	21.1	18.5
-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°	14.9	12.6	10.2	7.7	5.2	2.6	0.0
85°	29.8	25.1	20.3	15.4	10.4	5.1	0.0
82.5°	44.6	37.6	30.5	23.1	15.5	7.6	0.0
80°	60.7	50.1	40.5	30.7	20.7	10.2	0.0
77.5°	86.2	65.3	50.5	38.3	25.7	12.7	0.0
75°	111.3	85.6	61.5	45.8	30.8	15.2	0.0
72.5°	136.1	105.7	77.0	53.2	35.7	17.6	0.0
70°	161.3	125.3	92.3	61.3	40.6	20.0	0.0
67.5°	192.2	144.6	107.2	72.2	45.5	22.4	0.0
65°	222.1	165.9	121.8	82.8	50.2	24.7	0.0
62.5°	251.1	189.2	136.0	93.2	54.8	27.0	0.0
60°	279.1	211.7	149.8	103.3	59.3	29.2	0.0
57.5°	310.6	233.3	166.4	113.1	65.6	31.4	0.0
55°	341.3	254.0	182.5	122.5	71.8	33.5	0.0
52.5°	370.4	274.2	197.8	131.6	77.8	35.5	0.0
50°	397.7	296.5	212.4	140.4	83.6	37.5	0.0
47.5°	423.7	317.4	226.3	149.2	89.1	39.4	0.0
45°	450.9	336.9	239.3	158.9	94.5	41.2	0.0
42.5°	476.0	355.0	251.5	168.0	99.6	43.0	0.0
40°	498.8	371.6	263.9	176.8	104.4	44.6	0.0
37.5°	519.5	386.7	276.2	185.0	109.0	46.2	0.0
35°	537.8	401.8	287.5	192.8	113.3	47.6	0.0
32.5°	555.5	415.9	297.7	199.9	117.3	49.0	0.0
30°	574.4	428.3	306.8	206.6	121.0	50.3	0.0
27.5°	590.8	439.0	315.5	212.6	124.5	51.5	0.0
25°	604.6	447.9	323.1	218.1	127.6	52.6	0.0
22.5°	615.9	455.8	329.6	223.0	130.5	53.6	0.0
20°	624.7	463.6	335.1	227.3	133.0	54.4	0.0
17.5°	632.6	470.0	339.6	231.1	135.3	55.2	0.0
15°	638.9	475.0	343.0	234.2	137.2	55.9	0.0
12.5°	642.9	478.7	345.4	236.7	138.8	56.4	0.0
10°	644.4	481.1	346.8	238.7	140.0	56.9	0.0
7.5°	643.7	482.0	347.3	240.0	141.0	57.2	0.0
5°	640.9	481.7	346.8	240.8	141.6	57.5	0.0
2.5°	636.0	480.0	345.5	241.0	141.9	57.6	0.0
0°	629.2	477.0	343.4	240.6	141.9	57.6	0.0
-2.5°	622.0	472.5	341.7	239.5	141.6	57.7	0.0
-5°	613.1	466.8	339.3	237.8	140.9	57.6	0.0
-7.5°	602.5	459.9	336.1	235.7	139.9	57.5	0.0
-10°	590.4	452.0	332.1	232.9	138.7	57.2	0.0
-12.5°	576.9	443.1	327.3	229.7	137.1	56.9	0.0
-15°	561.9	433.3	321.9	225.9	135.3	56.4	0.0
-17.5°	545.7	422.7	315.7	221.7	133.1	55.8	0.0
-20°	528.9	411.3	308.8	217.0	130.7	55.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	512.0	399.3	301.2	211.9	128.1	54.3	0.0
-25°	494.1	387.2	292.9	206.3	125.1	53.4	0.0
-27.5°	475.3	374.6	284.0	200.3	122.0	52.3	0.0
-30°	455.7	361.3	274.5	193.9	118.6	51.2	0.0
-32.5°	435.3	347.2	264.6	187.2	115.0	50.0	0.0
-35°	416.2	332.4	254.3	180.0	111.1	48.6	0.0
-37.5°	397.3	317.4	243.4	172.5	107.1	47.2	0.0
-40°	377.8	303.1	232.1	164.7	102.8	45.6	0.0
-42.5°	357.6	288.3	220.8	156.6	98.4	44.0	0.0
-45°	336.8	273.0	209.7	148.3	93.8	42.2	0.0
-47.5°	315.4	257.3	198.1	139.6	89.0	40.4	0.0
-50°	295.9	241.2	186.1	131.8	84.0	38.5	0.0
-52.5°	276.3	224.7	173.8	124.2	78.9	36.5	0.0
-55°	256.5	208.8	161.1	116.3	73.7	34.5	0.0
-57.5°	236.4	192.7	148.1	108.2	68.3	32.3	0.0
-60°	216.1	176.3	135.0	99.9	62.8	30.1	0.0
-62.5°	196.2	159.5	123.8	91.4	58.1	27.8	0.0
-65°	176.0	142.4	112.4	82.8	53.3	25.5	0.0
-67.5°	155.5	126.6	100.7	74.0	48.3	23.1	0.0
-70°	134.8	112.1	89.0	65.0	43.3	20.7	0.0
-72.5°	117.0	97.4	77.0	56.9	38.1	18.2	0.0
-75°	99.4	82.5	65.0	49.0	32.8	15.7	0.0
-77.5°	81.7	67.5	54.1	40.9	27.5	13.1	0.0
-80°	63.9	53.6	43.4	32.8	22.1	10.5	0.0
-82.5°	47.8	40.3	32.6	24.7	16.6	7.9	0.0
-85°	31.9	26.9	21.8	16.5	11.1	5.3	0.0
-87.5°	16.0	13.5	10.9	8.2	5.5	2.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)