

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: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-930-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558602 (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-SA1E-930-U-WAF-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (16) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

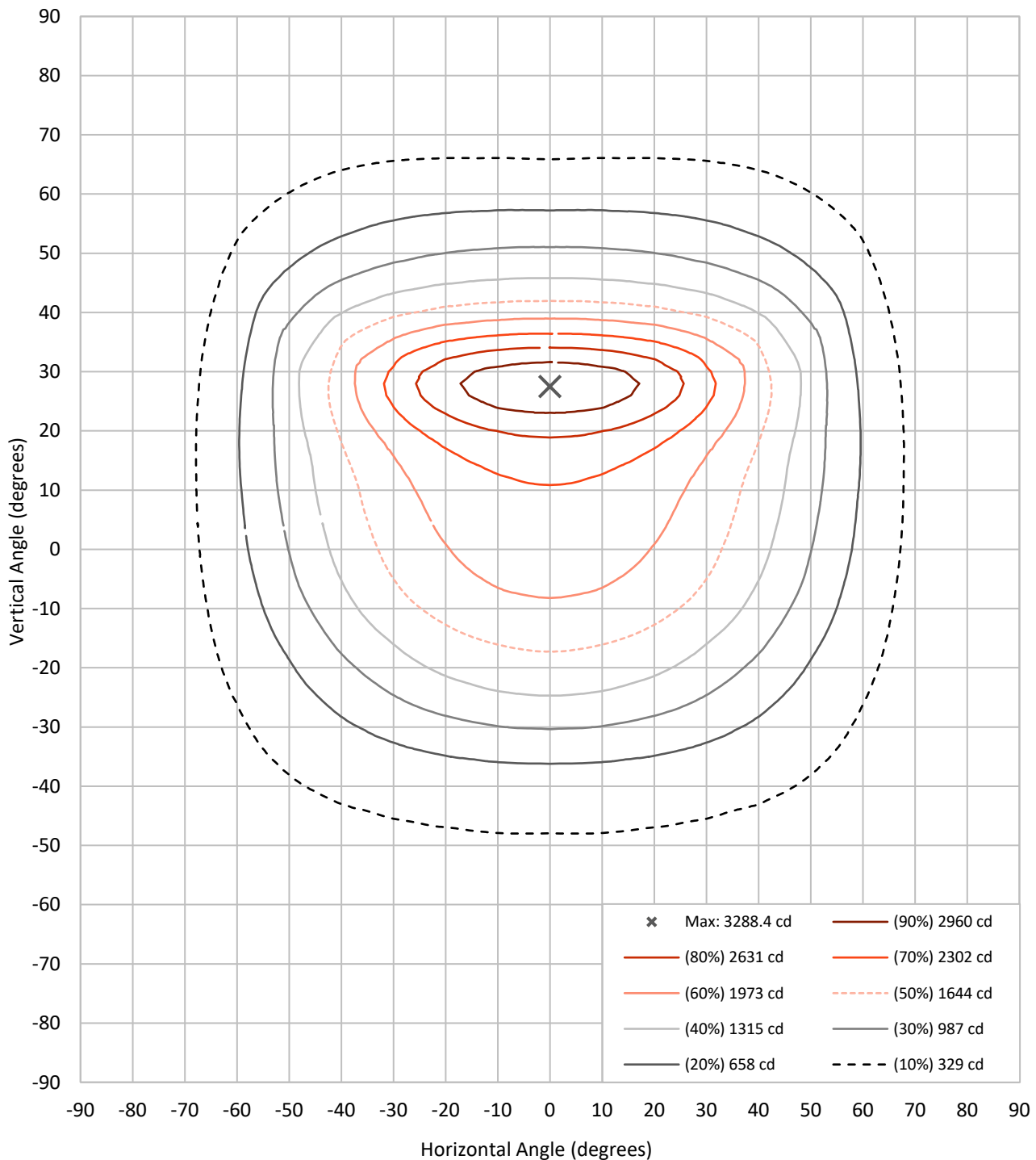
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	4793.9 lumens	Max Intensity:	3288.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	74.9 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	2486.3 lumens	Field Lumens:	4434.7 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 64
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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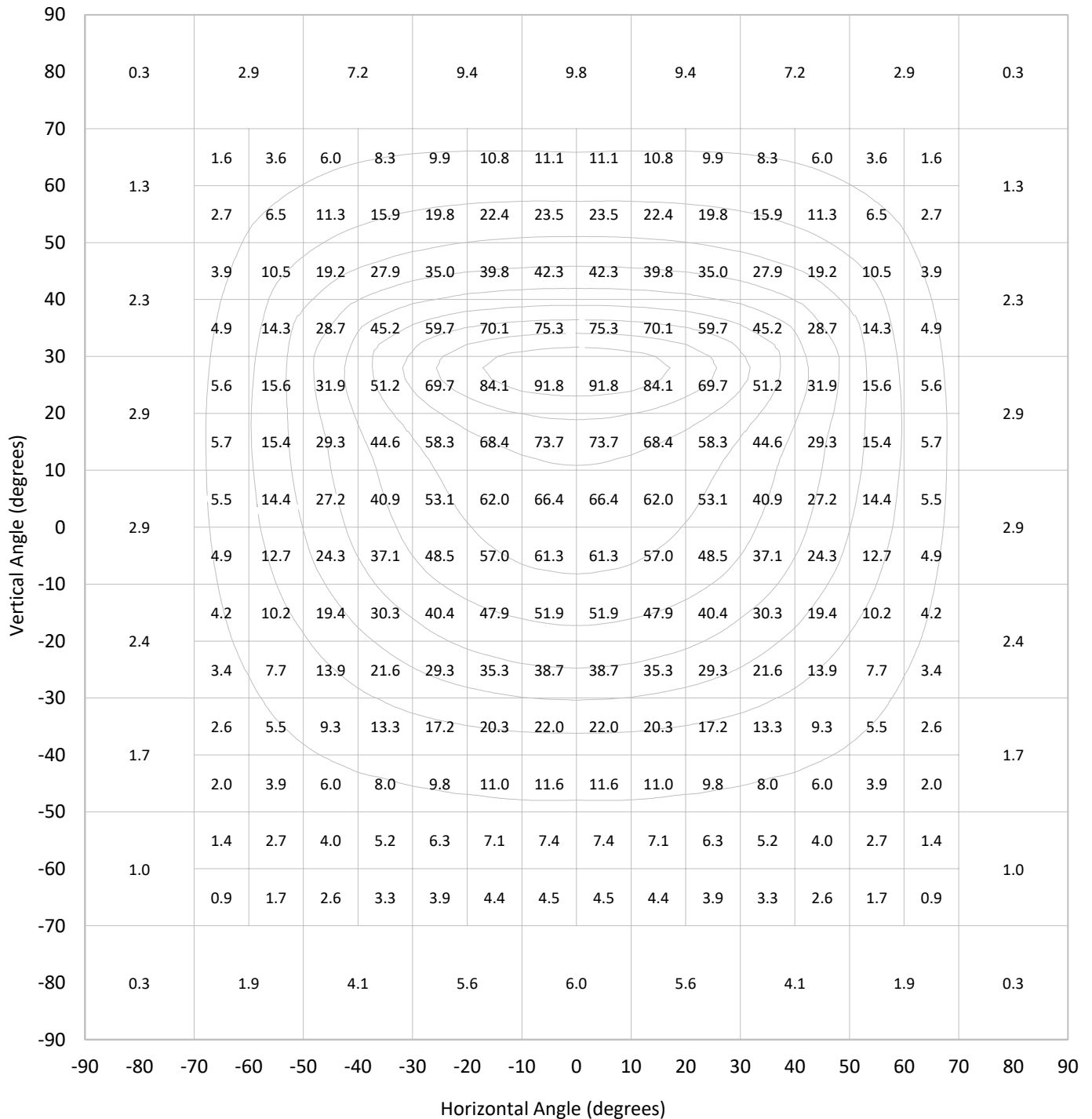
Iso-Candela Plot





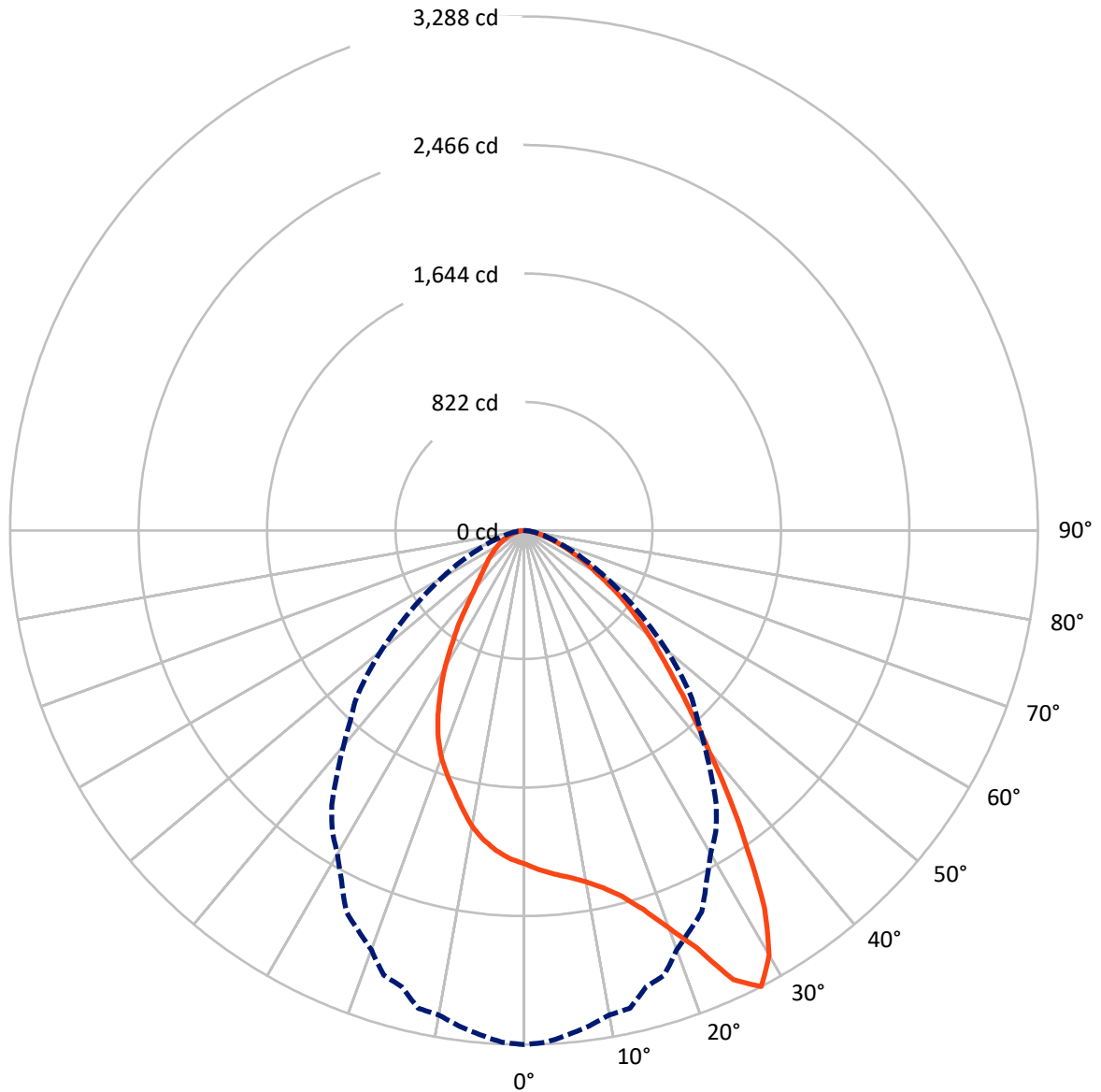
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Lumen Table



REPORT NUMBER: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
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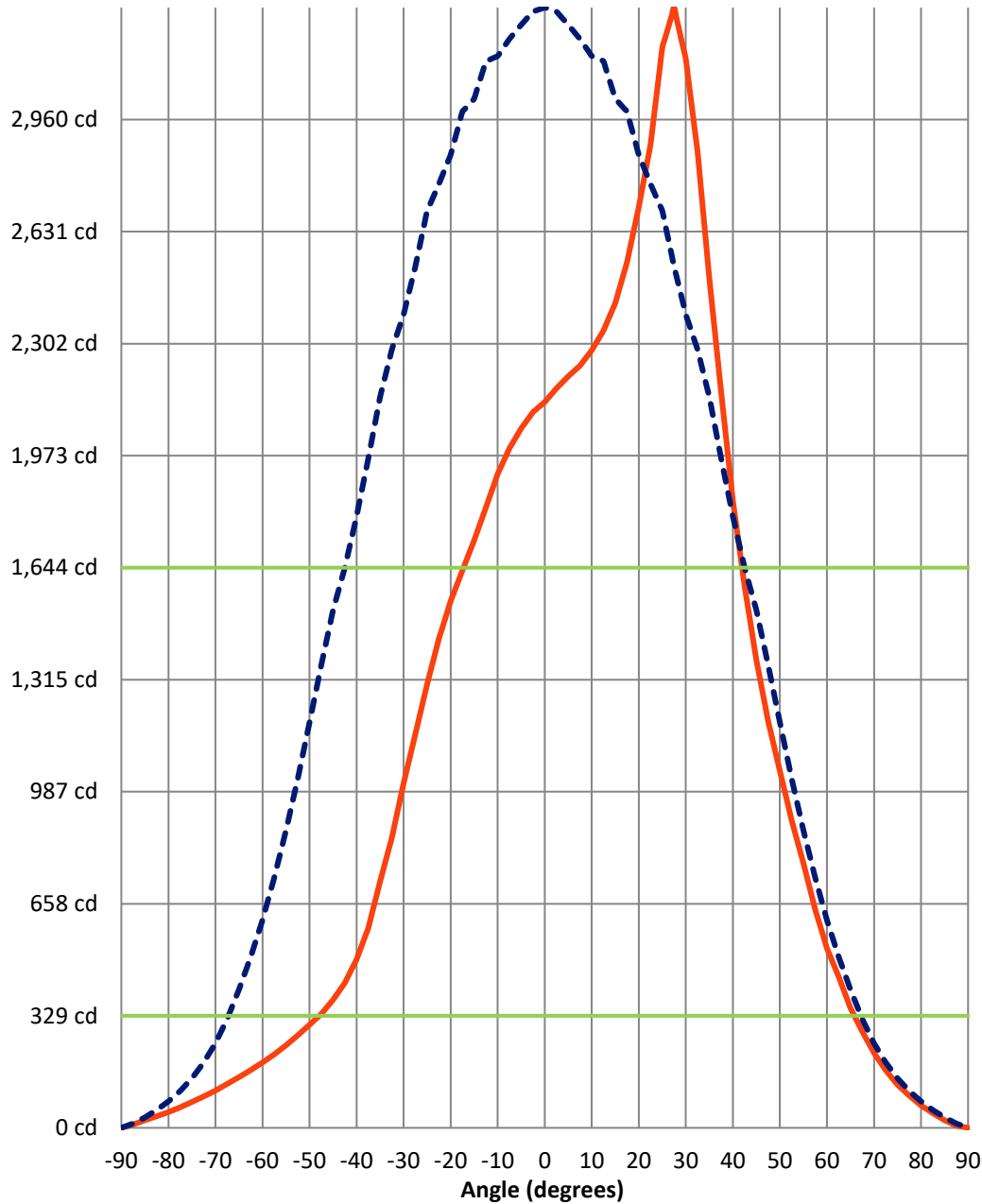
Luminous Intensity Polar Plot



— 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: 2486.3
 Efficiency: 51.9%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 4434.7
 Efficiency: 92.5%

Spill:
 Lumens: 359.1
 Efficiency: 7.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 27.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.2	4.8	5.3	5.8
85°	0.0	1.3	2.6	3.8	5.0	6.2	7.3	8.5	9.5	10.6	11.6
82.5°	0.0	1.9	3.8	5.7	7.5	9.3	11.0	12.7	14.6	17.8	21.1
80°	0.0	2.5	5.1	7.6	10.0	12.3	15.0	19.1	23.4	28.0	32.6
77.5°	0.0	3.1	6.4	9.4	12.5	16.1	21.2	26.6	32.2	38.0	44.9
75°	0.0	3.7	7.6	11.3	15.2	21.1	27.4	34.0	41.1	50.1	59.3
72.5°	0.0	4.3	8.8	13.1	19.0	26.0	33.5	41.8	52.1	62.7	73.5
70°	0.0	4.9	10.0	15.1	22.7	30.8	39.6	51.2	63.0	75.1	89.4
67.5°	0.0	5.5	11.2	17.8	26.4	35.5	47.2	60.3	73.6	89.4	105.3
65°	0.0	6.1	12.4	20.4	30.0	40.8	54.6	69.2	86.0	103.4	121.9
62.5°	0.0	6.7	13.5	22.9	33.4	46.5	61.8	79.2	98.0	117.6	140.1
60°	0.0	7.2	14.6	25.4	36.8	52.1	68.6	89.4	109.8	133.1	157.7
57.5°	0.0	7.7	16.2	27.8	40.9	57.4	76.4	99.2	122.5	148.1	177.8
55°	0.0	8.3	17.7	30.1	44.9	62.5	84.0	108.3	135.1	163.3	198.5
52.5°	0.0	8.8	19.2	32.4	48.6	67.5	91.1	117.9	147.1	180.3	217.9
50°	0.0	9.2	20.6	34.5	52.2	72.9	97.9	127.1	159.3	196.3	241.1
47.5°	0.0	9.7	21.9	36.7	55.7	78.1	104.3	135.7	172.3	211.1	263.3
45°	0.0	10.2	23.3	39.1	58.9	82.9	111.0	143.6	183.5	229.1	283.7
42.5°	0.0	10.6	24.5	41.3	61.9	87.4	117.1	151.8	193.9	245.7	306.6
40°	0.0	11.0	25.7	43.5	64.9	91.4	122.7	160.1	204.3	260.5	328.1
37.5°	0.0	11.4	26.8	45.5	68.0	95.2	127.8	167.6	215.6	274.2	347.4
35°	0.0	11.7	27.9	47.4	70.7	98.9	132.3	174.4	225.6	288.7	365.6
32.5°	0.0	12.1	28.9	49.2	73.3	102.3	136.6	180.3	234.1	301.1	381.7
30°	0.0	12.4	29.8	50.8	75.5	105.4	141.3	185.9	241.4	311.4	395.1
27.5°	0.0	12.7	30.6	52.3	77.6	108.0	145.3	191.7	248.1	319.6	405.8
25°	0.0	13.0	31.4	53.7	79.5	110.2	148.7	196.3	254.7	327.2	413.8
22.5°	0.0	13.2	32.1	54.9	81.1	112.1	151.5	200.0	259.6	333.3	420.6
20°	0.0	13.4	32.7	55.9	82.5	114.0	153.6	202.6	263.0	337.3	425.1
17.5°	0.0	13.6	33.3	56.8	83.6	115.6	155.6	204.3	264.8	339.1	427.1
15°	0.0	13.8	33.7	57.6	84.4	116.9	157.2	205.5	265.2	339.0	426.8
12.5°	0.0	13.9	34.1	58.2	85.0	117.8	158.1	206.3	265.2	337.0	424.3
10°	0.0	14.0	34.4	58.7	85.3	118.4	158.5	206.4	264.7	336.0	420.4
7.5°	0.0	14.1	34.7	59.1	85.5	118.6	158.4	205.7	263.2	333.9	416.1
5°	0.0	14.2	34.8	59.2	85.3	118.5	157.7	204.2	260.5	330.3	409.7
2.5°	0.0	14.2	34.9	59.3	85.0	118.1	156.5	202.1	256.9	325.4	401.5
0°	0.0	14.2	34.9	59.2	84.5	117.4	154.8	199.3	252.4	319.2	391.5
-2.5°	0.0	14.2	34.8	58.9	84.1	116.3	153.0	196.4	247.9	312.3	381.5
-5°	0.0	14.2	34.7	58.5	83.5	114.9	150.8	192.9	242.7	304.3	370.1
-7.5°	0.0	14.2	34.4	58.0	82.7	113.2	148.2	188.8	236.7	295.4	357.6
-10°	0.0	14.1	34.1	57.3	81.7	111.2	145.2	184.3	230.1	285.5	344.2
-12.5°	0.0	14.0	33.7	56.5	80.5	109.0	141.9	179.3	222.8	275.0	331.0
-15°	0.0	13.9	33.3	55.6	79.2	106.6	138.2	173.9	215.4	264.7	317.5
-17.5°	0.0	13.8	32.7	54.5	77.6	104.0	134.2	168.5	208.0	253.8	303.3
-20°	0.0	13.6	32.2	53.4	75.9	101.2	130.1	163.1	200.2	242.4	288.6



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 CATALOG NUMBER: GFLD-SA1E-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.4	31.5	52.1	74.1	98.2	125.9	157.3	192.0	230.7	273.4
-25°	0.0	13.2	30.8	50.7	72.0	95.3	121.6	151.1	183.6	218.6	257.8
-27.5°	0.0	12.9	30.0	49.3	69.8	92.2	116.9	144.6	174.9	206.9	243.1
-30°	0.0	12.6	29.2	47.7	67.5	88.9	112.1	137.7	166.5	196.3	228.3
-32.5°	0.0	12.3	28.3	46.0	65.1	85.4	107.1	131.4	158.2	185.6	213.7
-35°	0.0	12.0	27.3	44.3	62.5	81.7	102.4	125.1	149.6	174.9	199.2
-37.5°	0.0	11.6	26.4	42.4	59.8	78.1	97.8	118.7	140.8	164.2	187.2
-40°	0.0	11.2	25.3	40.5	57.1	74.6	92.9	112.2	131.8	153.9	175.8
-42.5°	0.0	10.8	24.2	38.5	54.3	70.9	88.0	105.6	123.6	143.9	164.3
-45°	0.0	10.4	23.1	36.5	51.6	67.1	82.9	99.2	116.0	133.8	152.6
-47.5°	0.0	10.0	21.9	34.3	48.7	63.3	77.6	93.1	108.3	123.8	141.5
-50°	0.0	9.5	20.7	32.4	45.8	59.3	72.8	86.8	100.8	115.3	130.5
-52.5°	0.0	9.0	19.4	30.6	42.8	55.3	68.0	80.5	93.5	106.7	119.6
-55°	0.0	8.5	18.2	28.6	39.6	51.4	63.1	74.2	86.2	97.9	110.0
-57.5°	0.0	8.0	16.8	26.6	36.4	47.4	58.1	68.5	78.9	89.6	100.2
-60°	0.0	7.4	15.5	24.6	33.2	43.4	53.1	62.7	71.6	81.3	90.6
-62.5°	0.0	6.9	14.3	22.5	30.5	39.2	48.3	56.9	65.0	72.9	81.5
-65°	0.0	6.3	13.1	20.4	27.7	35.1	43.3	51.0	58.4	65.3	72.2
-67.5°	0.0	5.7	11.9	18.2	24.8	31.2	38.3	45.3	51.7	57.9	63.8
-70°	0.0	5.1	10.7	16.0	21.9	27.6	33.2	39.5	45.2	50.4	55.7
-72.5°	0.0	4.5	9.4	14.0	19.0	24.0	28.8	33.7	38.8	43.5	47.6
-75°	0.0	3.9	8.1	12.1	16.0	20.3	24.5	28.5	32.4	36.5	40.2
-77.5°	0.0	3.2	6.8	10.1	13.3	16.6	20.1	23.5	26.7	29.7	32.8
-80°	0.0	2.6	5.4	8.1	10.7	13.2	15.7	18.5	21.2	23.6	26.0
-82.5°	0.0	1.9	4.1	6.1	8.0	9.9	11.8	13.7	15.6	17.5	19.4
-85°	0.0	1.3	2.7	4.1	5.4	6.6	7.9	9.1	10.4	11.6	12.8
-87.5°	0.0	0.7	1.4	2.0	2.7	3.3	3.9	4.6	5.2	5.8	6.4
-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):

	-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°	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.7	7.8
85°	12.2	12.7	14.1	15.5	17.0	18.4	19.6	20.7	21.5	22.2	22.8
82.5°	23.8	26.3	28.6	30.9	33.0	34.8	36.6	38.6	40.3	41.7	42.8
80°	36.4	39.9	44.1	48.0	51.6	54.8	57.8	60.5	62.6	64.7	66.7
77.5°	51.2	56.8	62.0	66.8	71.4	76.9	81.9	86.5	90.1	92.8	94.8
75°	67.1	73.7	81.3	88.8	95.9	102.4	108.8	116.5	122.8	127.5	131.3
72.5°	84.0	93.6	102.9	111.9	122.3	132.4	142.2	151.7	160.0	166.1	171.0
70°	102.3	113.4	126.3	139.3	151.8	164.5	178.0	190.3	200.4	207.6	214.5
67.5°	121.0	136.6	151.8	167.5	185.2	201.3	216.1	231.7	245.4	254.4	262.3
65°	142.6	160.0	180.3	201.1	220.5	240.7	259.4	276.3	293.6	306.2	316.5
62.5°	163.4	187.9	211.9	236.2	260.6	282.6	306.9	328.7	346.1	364.1	379.5
60°	188.1	217.3	246.7	275.9	303.3	334.1	360.8	386.1	409.3	429.4	448.4
57.5°	212.8	250.4	285.2	319.5	355.7	388.7	420.1	448.4	476.2	499.5	522.3
55°	238.8	287.2	327.3	369.7	409.5	446.7	482.0	517.5	547.2	579.2	607.0
52.5°	267.5	322.9	374.7	421.4	466.3	509.2	551.4	594.1	635.7	668.9	700.4
50°	294.4	360.4	422.8	476.1	527.7	578.6	631.4	684.7	730.6	768.6	801.4
47.5°	324.1	395.3	474.5	533.5	595.4	658.5	722.5	781.4	831.5	883.2	919.4
45°	353.0	430.6	516.6	598.4	670.0	746.4	817.0	882.0	954.5	1010.9	1059.3
42.5°	379.4	464.1	559.8	663.9	753.4	835.4	911.8	1003.2	1086.5	1152.5	1212.9
40°	406.5	494.5	599.0	724.7	836.6	924.1	1017.1	1118.1	1226.5	1307.7	1379.9
37.5°	431.3	525.6	634.9	771.1	918.5	1014.7	1117.5	1227.1	1350.7	1472.8	1559.6
35°	453.2	552.0	670.5	808.9	959.7	1102.5	1211.2	1328.0	1463.2	1621.7	1740.1
32.5°	473.1	573.5	698.8	838.3	991.3	1158.8	1296.7	1416.6	1552.3	1715.8	1916.9
30°	489.3	594.3	719.8	859.6	1013.1	1179.8	1355.0	1485.6	1614.4	1774.8	1962.0
27.5°	501.7	609.6	734.3	872.9	1024.7	1189.6	1358.1	1519.2	1643.9	1794.8	1965.1
25°	511.1	622.1	742.0	877.8	1026.4	1185.3	1347.5	1499.9	1639.8	1772.9	1925.7
22.5°	518.9	630.7	750.4	874.4	1018.7	1170.1	1322.6	1467.9	1603.3	1728.0	1859.3
20°	524.8	636.3	754.7	877.7	1005.7	1145.3	1291.1	1429.4	1560.3	1680.9	1787.8
17.5°	527.4	637.9	754.7	877.1	1003.5	1125.6	1252.5	1385.5	1514.2	1634.0	1739.7
15°	526.9	635.8	750.5	872.4	996.9	1117.9	1234.8	1344.5	1464.3	1585.5	1690.8
12.5°	523.5	630.1	742.3	863.7	986.2	1105.8	1220.6	1330.7	1438.1	1539.6	1640.3
10°	517.1	620.9	730.3	850.9	971.4	1089.2	1202.6	1313.1	1419.4	1519.0	1612.7
7.5°	510.6	610.6	715.9	834.2	952.6	1068.3	1180.6	1291.3	1395.6	1495.0	1589.6
5°	502.0	599.7	704.9	818.2	932.3	1045.2	1155.2	1265.3	1366.8	1467.1	1562.1
2.5°	491.1	586.1	691.0	798.9	909.7	1021.3	1127.6	1235.7	1339.7	1436.1	1529.8
0°	478.0	570.1	674.3	775.9	883.2	993.4	1095.6	1201.3	1309.6	1400.6	1492.2
-2.5°	463.8	550.9	649.8	751.0	854.7	962.8	1067.5	1167.7	1273.6	1365.6	1459.1
-5°	447.8	529.6	622.8	722.9	822.8	928.2	1034.9	1130.2	1231.3	1322.3	1414.2
-7.5°	430.3	506.7	593.6	691.3	786.4	885.9	986.9	1078.6	1176.9	1266.9	1356.5
-10°	411.9	484.1	565.2	655.6	745.3	838.0	932.9	1022.6	1117.2	1206.8	1293.0
-12.5°	394.3	461.8	536.0	618.1	701.8	787.5	875.7	962.4	1052.1	1142.1	1222.7
-15°	375.8	438.4	505.8	579.4	656.5	734.8	815.9	897.9	982.1	1070.2	1144.6
-17.5°	356.7	414.1	475.0	539.8	609.6	680.5	755.0	834.2	911.2	991.5	1063.5
-20°	337.1	389.1	443.9	499.7	561.7	629.7	699.5	770.5	840.5	910.4	978.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	317.2	363.5	413.4	462.5	521.5	582.9	644.0	705.7	768.5	828.7	892.7
-25°	298.1	339.7	383.8	431.6	482.2	536.3	588.9	641.0	696.7	753.1	808.2
-27.5°	279.6	316.3	357.9	400.6	442.7	490.9	536.9	581.1	629.7	679.4	723.9
-30°	261.1	296.0	332.4	370.2	407.3	447.6	487.3	526.0	565.7	608.3	646.8
-32.5°	243.9	275.8	308.9	342.1	373.5	404.8	441.5	475.9	508.3	538.7	572.3
-35°	228.2	257.4	286.2	314.8	340.7	368.2	399.0	427.9	453.9	478.3	504.0
-37.5°	213.4	239.4	263.7	289.2	312.2	335.8	358.4	383.5	404.6	424.1	445.2
-40°	198.5	221.8	243.7	265.0	286.1	305.7	325.1	342.2	359.1	377.8	392.3
-42.5°	183.9	205.5	225.1	241.5	261.4	278.3	293.3	307.5	321.3	335.9	347.5
-45°	171.0	189.4	207.3	223.0	237.9	252.3	265.0	276.2	289.3	299.4	308.2
-47.5°	158.0	174.0	190.3	204.8	217.2	228.9	238.4	249.5	260.3	269.0	274.1
-50°	145.2	159.8	173.6	187.1	198.4	207.8	216.0	225.1	234.1	241.5	246.3
-52.5°	133.4	145.5	158.4	169.8	180.3	188.7	196.5	204.5	211.0	216.1	222.5
-55°	121.7	132.9	143.6	153.9	162.8	170.6	178.2	185.3	190.9	195.3	200.6
-57.5°	110.8	120.9	130.2	138.9	146.9	153.5	160.9	167.0	172.2	176.3	181.8
-60°	100.1	109.1	117.6	125.2	131.8	138.3	144.3	149.9	154.4	158.5	163.5
-62.5°	89.5	97.6	105.3	112.2	118.2	123.6	129.1	133.8	137.6	141.9	146.0
-65°	79.5	86.4	93.1	99.4	105.1	110.2	114.7	118.6	122.1	125.9	129.2
-67.5°	69.6	76.1	81.7	86.7	91.9	96.9	101.1	104.6	107.6	110.6	113.4
-70°	60.8	65.9	71.0	75.5	79.5	83.7	87.7	91.0	93.7	96.1	98.3
-72.5°	52.1	56.6	60.8	64.7	68.3	71.6	74.8	77.9	80.3	82.2	83.8
-75°	43.8	47.3	50.9	54.3	57.2	59.8	62.3	64.7	66.7	68.3	69.6
-77.5°	35.8	38.8	41.6	44.2	46.3	48.3	50.3	52.0	53.6	54.8	55.7
-80°	28.1	30.3	32.5	34.6	36.3	37.7	38.9	39.9	41.1	42.3	43.3
-82.5°	21.0	22.5	24.0	25.4	26.6	27.5	28.4	29.2	30.0	30.8	31.4
-85°	13.8	14.7	15.6	16.5	17.4	18.1	18.8	19.3	19.8	20.2	20.5
-87.5°	6.9	7.3	7.8	8.1	8.6	9.0	9.3	9.7	9.9	10.1	10.2
-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: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	7.9	7.9	7.9	7.9	7.8	7.5	7.1	6.8	6.4	6.6	6.7
85°	23.2	23.3	23.2	23.0	22.6	22.6	22.5	22.4	22.2	22.5	22.8
82.5°	43.7	44.0	44.0	43.8	43.4	43.6	43.6	43.5	43.3	43.6	43.8
80°	68.2	68.9	68.9	68.4	67.5	67.6	67.7	67.5	67.0	67.2	67.1
77.5°	97.2	98.7	99.2	99.0	98.0	97.7	97.1	95.8	93.8	93.8	93.8
75°	134.1	135.7	136.4	136.4	135.5	134.9	134.0	132.5	130.4	130.3	130.3
72.5°	174.8	177.1	178.1	179.0	179.0	178.7	177.6	175.3	172.0	171.6	172.0
70°	219.9	223.7	226.1	227.9	229.4	229.7	229.0	227.1	224.2	223.4	223.2
67.5°	270.0	276.1	280.6	283.7	286.6	288.6	289.4	288.6	286.3	285.5	285.8
65°	326.2	335.5	343.3	349.0	352.9	355.7	358.1	359.5	359.9	360.7	361.8
62.5°	391.9	403.4	414.1	421.4	425.2	427.8	435.5	440.0	441.3	441.5	443.2
60°	465.2	479.7	493.1	503.9	512.5	519.1	525.7	530.0	531.6	532.0	534.3
57.5°	545.4	563.6	579.3	595.9	607.5	614.3	623.0	632.1	636.8	638.1	643.7
55°	634.0	658.9	679.2	697.0	713.3	727.5	739.6	748.9	755.8	759.9	767.3
52.5°	732.1	761.3	782.6	803.5	826.8	843.2	853.9	871.1	883.6	890.4	899.2
50°	839.8	872.4	901.3	923.3	950.3	972.7	989.0	1005.3	1016.7	1023.3	1031.8
47.5°	962.4	1002.5	1036.1	1056.4	1087.8	1114.2	1124.8	1137.1	1158.6	1169.0	1178.1
45°	1100.4	1151.5	1188.9	1220.6	1247.6	1277.2	1296.6	1310.7	1331.8	1342.5	1349.2
42.5°	1264.6	1321.5	1370.7	1408.8	1431.6	1470.0	1498.0	1505.8	1535.8	1556.2	1562.1
40°	1448.8	1511.8	1576.7	1620.2	1656.8	1695.8	1742.0	1767.7	1793.1	1813.0	1817.5
37.5°	1640.7	1725.1	1799.1	1855.4	1915.8	1973.3	2022.2	2049.0	2065.6	2103.7	2118.0
35°	1835.7	1922.9	2026.7	2113.9	2187.2	2258.2	2314.1	2358.0	2399.9	2434.3	2454.8
32.5°	2001.9	2095.6	2223.7	2354.5	2433.6	2510.5	2602.2	2652.5	2708.4	2753.7	2786.7
30°	2138.4	2227.5	2344.1	2508.2	2616.5	2694.5	2810.6	2880.2	2941.0	3017.7	3044.4
27.5°	2144.9	2284.2	2387.3	2528.7	2691.1	2770.2	2856.2	2982.6	3021.0	3130.4	3146.2
25°	2088.6	2234.8	2340.9	2458.8	2593.9	2690.1	2768.6	2873.8	2928.8	2999.2	3053.2
22.5°	2000.5	2129.4	2237.6	2337.6	2443.0	2530.6	2602.3	2676.3	2736.7	2791.3	2842.0
20°	1903.2	2025.6	2128.2	2214.2	2297.7	2378.9	2443.5	2505.6	2557.8	2604.7	2633.6
17.5°	1834.7	1922.8	2027.6	2115.7	2188.2	2251.9	2318.6	2370.6	2416.5	2458.6	2485.0
15°	1788.0	1871.7	1946.3	2027.2	2103.5	2164.3	2214.5	2268.2	2307.8	2344.1	2372.7
12.5°	1739.5	1825.7	1903.8	1971.2	2030.9	2097.3	2151.0	2193.2	2234.7	2263.3	2292.6
10°	1698.9	1779.6	1860.6	1931.7	1994.6	2049.3	2100.2	2147.5	2184.8	2216.7	2239.9
7.5°	1675.4	1754.5	1827.3	1895.6	1956.9	2015.1	2067.6	2111.0	2147.9	2181.0	2205.2
5°	1648.1	1726.5	1799.1	1868.9	1927.7	1983.7	2036.0	2080.6	2118.8	2148.3	2171.5
2.5°	1616.8	1694.2	1766.6	1837.5	1896.3	1950.3	1999.8	2043.3	2083.1	2111.2	2131.0
0°	1581.2	1658.6	1729.4	1796.2	1855.4	1913.5	1959.1	2003.1	2042.0	2069.8	2089.6
-2.5°	1545.3	1622.2	1695.5	1759.5	1818.2	1871.9	1920.4	1961.9	1999.1	2026.8	2044.1
-5°	1497.5	1573.9	1646.3	1710.7	1772.1	1826.0	1873.1	1915.4	1951.2	1981.4	2004.9
-7.5°	1439.6	1516.9	1589.2	1655.0	1716.1	1767.0	1812.3	1854.9	1893.1	1926.1	1955.0
-10°	1376.0	1452.5	1520.8	1582.4	1639.3	1691.1	1739.2	1781.3	1816.3	1848.6	1873.0
-12.5°	1301.9	1372.7	1439.5	1500.3	1555.9	1607.7	1653.5	1693.6	1728.9	1757.5	1779.4
-15°	1220.2	1287.3	1350.6	1412.7	1471.0	1522.0	1562.3	1604.6	1635.2	1662.9	1682.7
-17.5°	1132.7	1197.6	1264.2	1326.5	1380.2	1430.6	1474.9	1513.5	1545.7	1571.2	1593.4
-20°	1044.1	1110.2	1174.2	1233.6	1285.3	1332.0	1376.9	1413.9	1446.8	1474.6	1500.8



REPORT NUMBER: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	955.0	1015.7	1075.8	1133.9	1182.8	1227.0	1266.2	1301.7	1330.7	1363.4	1386.5
-25°	863.6	916.8	971.0	1022.3	1068.6	1112.0	1147.6	1178.7	1208.9	1240.5	1263.0
-27.5°	771.7	818.7	862.8	908.2	948.7	986.3	1019.3	1046.5	1075.9	1097.0	1121.8
-30°	680.8	723.5	760.2	791.8	829.9	862.2	887.9	914.9	939.2	959.3	980.2
-32.5°	603.8	633.0	662.4	688.8	714.1	740.6	761.4	784.9	801.6	818.9	835.8
-35°	529.9	552.4	571.9	596.6	615.5	630.0	647.3	664.6	671.2	690.1	700.1
-37.5°	462.9	477.7	495.9	513.1	527.2	537.9	553.3	562.4	567.2	579.4	585.9
-40°	405.6	414.9	431.9	443.6	452.1	459.9	472.7	478.6	485.1	491.2	491.4
-42.5°	355.2	367.1	378.7	387.9	393.2	402.2	408.2	408.9	417.3	422.7	423.5
-45°	313.9	326.1	335.2	342.0	347.3	355.0	358.9	361.1	368.0	371.6	373.2
-47.5°	282.2	290.7	298.6	303.9	310.9	316.6	319.4	323.0	328.3	331.7	334.1
-50°	254.4	261.1	267.1	271.9	278.9	284.0	286.7	291.1	295.1	297.5	299.4
-52.5°	229.8	235.9	240.0	244.7	250.5	255.0	258.5	262.9	266.2	268.3	270.0
-55°	206.9	212.6	216.6	221.7	225.9	228.9	231.9	236.2	239.4	241.6	243.0
-57.5°	186.7	190.9	194.9	199.5	203.5	206.8	209.4	211.8	213.9	215.7	217.1
-60°	167.8	171.2	174.9	178.5	181.4	183.8	186.6	188.8	190.2	191.0	192.2
-62.5°	149.5	152.6	155.9	158.8	161.2	163.2	165.4	167.2	168.5	169.4	170.0
-65°	132.2	134.9	137.6	140.0	142.1	143.8	145.4	146.7	147.6	148.3	148.9
-67.5°	116.0	118.1	120.1	121.7	123.3	124.7	126.1	127.1	127.6	128.2	128.8
-70°	100.3	102.0	103.3	104.3	105.2	106.4	107.7	108.7	109.2	109.8	110.4
-72.5°	85.2	86.4	87.5	88.3	88.8	89.6	90.5	91.3	91.9	92.3	92.6
-75°	70.7	71.7	72.6	73.3	73.6	74.2	74.6	74.9	74.9	75.2	75.3
-77.5°	56.4	57.4	58.3	58.9	59.3	59.8	60.1	60.3	60.3	60.3	60.2
-80°	44.1	44.8	45.3	45.7	46.0	46.3	46.5	46.6	46.5	46.6	46.6
-82.5°	32.0	32.6	33.1	33.5	33.7	34.0	34.3	34.5	34.6	34.6	34.6
-85°	20.7	21.0	21.3	21.5	21.7	21.9	22.0	22.0	21.9	22.0	21.9
-87.5°	10.3	10.2	10.0	9.8	9.6	9.7	9.7	9.8	9.8	9.9	9.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	6.9	7.1	6.6	6.1	6.6	7.1	6.9	6.7	6.6	6.4	6.8
85°	23.0	23.2	22.8	22.3	22.8	23.2	23.0	22.8	22.5	22.2	22.4
82.5°	43.8	43.8	43.4	43.0	43.4	43.8	43.8	43.8	43.6	43.3	43.5
80°	66.9	66.5	66.2	65.8	66.2	66.5	66.9	67.1	67.2	67.0	67.5
77.5°	93.6	93.1	94.0	94.6	94.0	93.1	93.6	93.8	93.8	93.8	95.8
75°	129.8	128.8	127.9	126.5	127.9	128.8	129.8	130.3	130.3	130.4	132.5
72.5°	171.8	171.0	170.2	168.9	170.2	171.0	171.8	172.0	171.6	172.0	175.3
70°	221.8	219.5	219.9	220.0	219.9	219.5	221.8	223.2	223.4	224.2	227.1
67.5°	284.9	282.8	283.0	282.8	283.0	282.8	284.9	285.8	285.5	286.3	288.6
65°	361.2	358.8	355.8	351.5	355.8	358.8	361.2	361.8	360.7	359.9	359.5
62.5°	443.0	440.9	442.1	443.1	442.1	440.9	443.0	443.2	441.5	441.3	440.0
60°	533.9	530.9	529.5	527.1	529.5	530.9	533.9	534.3	532.0	531.6	530.0
57.5°	646.2	645.7	644.4	640.9	644.4	645.7	646.2	643.7	638.1	636.8	632.1
55°	770.7	770.0	772.9	776.4	772.9	770.0	770.7	767.3	759.9	755.8	748.9
52.5°	905.7	907.9	907.1	902.4	907.1	907.9	905.7	899.2	890.4	883.6	871.1
50°	1039.3	1041.8	1044.6	1047.1	1044.6	1041.8	1039.3	1031.8	1023.3	1016.7	1005.3
47.5°	1190.6	1197.4	1198.5	1193.7	1198.5	1197.4	1190.6	1178.1	1169.0	1158.6	1137.1
45°	1362.6	1366.7	1368.7	1372.8	1368.7	1366.7	1362.6	1349.2	1342.5	1331.8	1310.7
42.5°	1579.4	1584.1	1584.9	1589.3	1584.9	1584.1	1579.4	1562.1	1556.2	1535.8	1505.8
40°	1836.8	1844.4	1843.1	1841.2	1843.1	1844.4	1836.8	1817.5	1813.0	1793.1	1767.7
37.5°	2138.1	2151.0	2152.4	2160.4	2152.4	2151.0	2138.1	2118.0	2103.7	2065.6	2049.0
35°	2476.2	2491.4	2488.8	2492.7	2488.8	2491.4	2476.2	2454.8	2434.3	2399.9	2358.0
32.5°	2817.2	2840.1	2844.7	2864.0	2844.7	2840.1	2817.2	2786.7	2753.7	2708.4	2652.5
30°	3085.2	3117.3	3138.2	3136.6	3138.2	3117.3	3085.2	3044.4	3017.7	2941.0	2880.2
27.5°	3196.2	3237.7	3276.6	3288.4	3276.6	3237.7	3196.2	3146.2	3130.4	3021.0	2982.6
25°	3087.9	3118.2	3152.6	3171.0	3152.6	3118.2	3087.9	3053.2	2999.2	2928.8	2873.8
22.5°	2865.4	2885.1	2896.8	2887.2	2896.8	2885.1	2865.4	2842.0	2791.3	2736.7	2676.3
20°	2663.4	2688.4	2693.0	2703.1	2693.0	2688.4	2663.4	2633.6	2604.7	2557.8	2505.6
17.5°	2513.1	2529.5	2539.1	2541.3	2539.1	2529.5	2513.1	2485.0	2458.6	2416.5	2370.6
15°	2395.3	2408.4	2417.1	2420.9	2417.1	2408.4	2395.3	2372.7	2344.1	2307.8	2268.2
12.5°	2311.9	2327.9	2335.7	2340.4	2335.7	2327.9	2311.9	2292.6	2263.3	2234.7	2193.2
10°	2258.4	2273.8	2280.0	2282.3	2280.0	2273.8	2258.4	2239.9	2216.7	2184.8	2147.5
7.5°	2219.9	2229.8	2234.0	2237.3	2234.0	2229.8	2219.9	2205.2	2181.0	2147.9	2111.0
5°	2188.9	2196.7	2201.2	2205.9	2201.2	2196.7	2188.9	2171.5	2148.3	2118.8	2080.6
2.5°	2146.7	2158.0	2165.8	2170.5	2165.8	2158.0	2146.7	2131.0	2111.2	2083.1	2043.3
0°	2105.2	2115.9	2121.4	2130.5	2121.4	2115.9	2105.2	2089.6	2069.8	2042.0	2003.1
-2.5°	2059.7	2072.0	2086.6	2100.7	2086.6	2072.0	2059.7	2044.1	2026.8	1999.1	1961.9
-5°	2024.8	2041.0	2044.1	2053.1	2044.1	2041.0	2024.8	2004.9	1981.4	1951.2	1915.4
-7.5°	1972.2	1979.6	1992.2	1994.5	1992.2	1979.6	1972.2	1955.0	1926.1	1893.1	1854.9
-10°	1891.2	1903.2	1911.1	1919.1	1911.1	1903.2	1891.2	1873.0	1848.6	1816.3	1781.3
-12.5°	1795.9	1810.1	1822.7	1821.0	1822.7	1810.1	1795.9	1779.4	1757.5	1728.9	1693.6
-15°	1703.1	1716.8	1725.5	1724.4	1725.5	1716.8	1703.1	1682.7	1662.9	1635.2	1604.6
-17.5°	1611.1	1623.6	1636.2	1635.8	1636.2	1623.6	1611.1	1593.4	1571.2	1545.7	1513.5
-20°	1516.0	1526.7	1540.2	1545.8	1540.2	1526.7	1516.0	1500.8	1474.6	1446.8	1413.9



REPORT NUMBER: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	1406.0	1419.7	1429.5	1435.5	1429.5	1419.7	1406.0	1386.5	1363.4	1330.7	1301.7
-25°	1277.9	1291.9	1299.3	1302.0	1299.3	1291.9	1277.9	1263.0	1240.5	1208.9	1178.7
-27.5°	1136.3	1152.1	1159.7	1155.8	1159.7	1152.1	1136.3	1121.8	1097.0	1075.9	1046.5
-30°	991.1	1001.2	1002.4	1011.1	1002.4	1001.2	991.1	980.2	959.3	939.2	914.9
-32.5°	847.9	854.6	850.8	851.3	850.8	854.6	847.9	835.8	818.9	801.6	784.9
-35°	706.4	711.8	712.8	722.8	712.8	711.8	706.4	700.1	690.1	671.2	664.6
-37.5°	592.7	594.9	591.6	586.8	591.6	594.9	592.7	585.9	579.4	567.2	562.4
-40°	496.2	497.9	496.7	494.2	496.7	497.9	496.2	491.4	491.2	485.1	478.6
-42.5°	426.8	426.8	425.7	425.4	425.7	426.8	426.8	423.5	422.7	417.3	408.9
-45°	375.6	376.1	376.0	375.8	376.0	376.1	375.6	373.2	371.6	368.0	361.1
-47.5°	335.8	335.9	335.4	334.3	335.4	335.9	335.8	334.1	331.7	328.3	323.0
-50°	300.6	300.6	301.3	302.5	301.3	300.6	300.6	299.4	297.5	295.1	291.1
-52.5°	270.8	270.8	271.1	271.6	271.1	270.8	270.8	270.0	268.3	266.2	262.9
-55°	243.6	243.5	243.1	242.3	243.1	243.5	243.6	243.0	241.6	239.4	236.2
-57.5°	217.6	217.3	216.6	215.5	216.6	217.3	217.6	217.1	215.7	213.9	211.8
-60°	192.8	192.9	192.6	191.7	192.6	192.9	192.8	192.2	191.0	190.2	188.8
-62.5°	170.2	169.9	169.8	169.5	169.8	169.9	170.2	170.0	169.4	168.5	167.2
-65°	149.0	148.7	148.8	148.7	148.8	148.7	149.0	148.9	148.3	147.6	146.7
-67.5°	129.1	129.0	129.1	129.0	129.1	129.0	129.1	128.8	128.2	127.6	127.1
-70°	110.7	110.8	110.2	109.3	110.2	110.8	110.7	110.4	109.8	109.2	108.7
-72.5°	92.5	92.2	92.2	92.1	92.2	92.2	92.5	92.6	92.3	91.9	91.3
-75°	75.3	75.1	75.5	75.9	75.5	75.1	75.3	75.3	75.2	74.9	74.9
-77.5°	59.9	59.5	59.9	60.2	59.9	59.5	59.9	60.2	60.3	60.3	60.3
-80°	46.5	46.3	46.2	46.0	46.2	46.3	46.5	46.6	46.6	46.5	46.6
-82.5°	34.5	34.3	34.1	33.9	34.1	34.3	34.5	34.6	34.6	34.6	34.5
-85°	21.8	21.7	22.0	22.3	22.0	21.7	21.8	21.9	22.0	21.9	22.0
-87.5°	10.0	10.1	9.8	9.6	9.8	10.1	10.0	9.9	9.9	9.8	9.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	7.1	7.5	7.8	7.9	7.9	7.9	7.9	7.8	7.7	7.6	7.5
85°	22.5	22.6	22.6	23.0	23.2	23.3	23.2	22.8	22.2	21.5	20.7
82.5°	43.6	43.6	43.4	43.8	44.0	44.0	43.7	42.8	41.7	40.3	38.6
80°	67.7	67.6	67.5	68.4	68.9	68.9	68.2	66.7	64.7	62.6	60.5
77.5°	97.1	97.7	98.0	99.0	99.2	98.7	97.2	94.8	92.8	90.1	86.5
75°	134.0	134.9	135.5	136.4	136.4	135.7	134.1	131.3	127.5	122.8	116.5
72.5°	177.6	178.7	179.0	179.0	178.1	177.1	174.8	171.0	166.1	160.0	151.7
70°	229.0	229.7	229.4	227.9	226.1	223.7	219.9	214.5	207.6	200.4	190.3
67.5°	289.4	288.6	286.6	283.7	280.6	276.1	270.0	262.3	254.4	245.4	231.7
65°	358.1	355.7	352.9	349.0	343.3	335.5	326.2	316.5	306.2	293.6	276.3
62.5°	435.5	427.8	425.2	421.4	414.1	403.4	391.9	379.5	364.1	346.1	328.7
60°	525.7	519.1	512.5	503.9	493.1	479.7	465.2	448.4	429.4	409.3	386.1
57.5°	623.0	614.3	607.5	595.9	579.3	563.6	545.4	522.3	499.5	476.2	448.4
55°	739.6	727.5	713.3	697.0	679.2	658.9	634.0	607.0	579.2	547.2	517.5
52.5°	853.9	843.2	826.8	803.5	782.6	761.3	732.1	700.4	668.9	635.7	594.1
50°	989.0	972.7	950.3	923.3	901.3	872.4	839.8	801.4	768.6	730.6	684.7
47.5°	1124.8	1114.2	1087.8	1056.4	1036.1	1002.5	962.4	919.4	883.2	831.5	781.4
45°	1296.6	1277.2	1247.6	1220.6	1188.9	1151.5	1100.4	1059.3	1010.9	954.5	882.0
42.5°	1498.0	1470.0	1431.6	1408.8	1370.7	1321.5	1264.6	1212.9	1152.5	1086.5	1003.2
40°	1742.0	1695.8	1656.8	1620.2	1576.7	1511.8	1448.8	1379.9	1307.7	1226.5	1118.1
37.5°	2022.2	1973.3	1915.8	1855.4	1799.1	1725.1	1640.7	1559.6	1472.8	1350.7	1227.1
35°	2314.1	2258.2	2187.2	2113.9	2026.7	1922.9	1835.7	1740.1	1621.7	1463.2	1328.0
32.5°	2602.2	2510.5	2433.6	2354.5	2223.7	2095.6	2001.9	1916.9	1715.8	1552.3	1416.6
30°	2810.6	2694.5	2616.5	2508.2	2344.1	2227.5	2138.4	1962.0	1774.8	1614.4	1485.6
27.5°	2856.2	2770.2	2691.1	2528.7	2387.3	2284.2	2144.9	1965.1	1794.8	1643.9	1519.2
25°	2768.6	2690.1	2593.9	2458.8	2340.9	2234.8	2088.6	1925.7	1772.9	1639.8	1499.9
22.5°	2602.3	2530.6	2443.0	2337.6	2237.6	2129.4	2000.5	1859.3	1728.0	1603.3	1467.9
20°	2443.5	2378.9	2297.7	2214.2	2128.2	2025.6	1903.2	1787.8	1680.9	1560.3	1429.4
17.5°	2318.6	2251.9	2188.2	2115.7	2027.6	1922.8	1834.7	1739.7	1634.0	1514.2	1385.5
15°	2214.5	2164.3	2103.5	2027.2	1946.3	1871.7	1788.0	1690.8	1585.5	1464.3	1344.5
12.5°	2151.0	2097.3	2030.9	1971.2	1903.8	1825.7	1739.5	1640.3	1539.6	1438.1	1330.7
10°	2100.2	2049.3	1994.6	1931.7	1860.6	1779.6	1698.9	1612.7	1519.0	1419.4	1313.1
7.5°	2067.6	2015.1	1956.9	1895.6	1827.3	1754.5	1675.4	1589.6	1495.0	1395.6	1291.3
5°	2036.0	1983.7	1927.7	1868.9	1799.1	1726.5	1648.1	1562.1	1467.1	1366.8	1265.3
2.5°	1999.8	1950.3	1896.3	1837.5	1766.6	1694.2	1616.8	1529.8	1436.1	1339.7	1235.7
0°	1959.1	1913.5	1855.4	1796.2	1729.4	1658.6	1581.2	1492.2	1400.6	1309.6	1201.3
-2.5°	1920.4	1871.9	1818.2	1759.5	1695.5	1622.2	1545.3	1459.1	1365.6	1273.6	1167.7
-5°	1873.1	1826.0	1772.1	1710.7	1646.3	1573.9	1497.5	1414.2	1322.3	1231.3	1130.2
-7.5°	1812.3	1767.0	1716.1	1655.0	1589.2	1516.9	1439.6	1356.5	1266.9	1176.9	1078.6
-10°	1739.2	1691.1	1639.3	1582.4	1520.8	1452.5	1376.0	1293.0	1206.8	1117.2	1022.6
-12.5°	1653.5	1607.7	1555.9	1500.3	1439.5	1372.7	1301.9	1222.7	1142.1	1052.1	962.4
-15°	1562.3	1522.0	1471.0	1412.7	1350.6	1287.3	1220.2	1144.6	1070.2	982.1	897.9
-17.5°	1474.9	1430.6	1380.2	1326.5	1264.2	1197.6	1132.7	1063.5	991.5	911.2	834.2
-20°	1376.9	1332.0	1285.3	1233.6	1174.2	1110.2	1044.1	978.0	910.4	840.5	770.5



REPORT NUMBER: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	1266.2	1227.0	1182.8	1133.9	1075.8	1015.7	955.0	892.7	828.7	768.5	705.7
-25°	1147.6	1112.0	1068.6	1022.3	971.0	916.8	863.6	808.2	753.1	696.7	641.0
-27.5°	1019.3	986.3	948.7	908.2	862.8	818.7	771.7	723.9	679.4	629.7	581.1
-30°	887.9	862.2	829.9	791.8	760.2	723.5	680.8	646.8	608.3	565.7	526.0
-32.5°	761.4	740.6	714.1	688.8	662.4	633.0	603.8	572.3	538.7	508.3	475.9
-35°	647.3	630.0	615.5	596.6	571.9	552.4	529.9	504.0	478.3	453.9	427.9
-37.5°	553.3	537.9	527.2	513.1	495.9	477.7	462.9	445.2	424.1	404.6	383.5
-40°	472.7	459.9	452.1	443.6	431.9	414.9	405.6	392.3	377.8	359.1	342.2
-42.5°	408.2	402.2	393.2	387.9	378.7	367.1	355.2	347.5	335.9	321.3	307.5
-45°	358.9	355.0	347.3	342.0	335.2	326.1	313.9	308.2	299.4	289.3	276.2
-47.5°	319.4	316.6	310.9	303.9	298.6	290.7	282.2	274.1	269.0	260.3	249.5
-50°	286.7	284.0	278.9	271.9	267.1	261.1	254.4	246.3	241.5	234.1	225.1
-52.5°	258.5	255.0	250.5	244.7	240.0	235.9	229.8	222.5	216.1	211.0	204.5
-55°	231.9	228.9	225.9	221.7	216.6	212.6	206.9	200.6	195.3	190.9	185.3
-57.5°	209.4	206.8	203.5	199.5	194.9	190.9	186.7	181.8	176.3	172.2	167.0
-60°	186.6	183.8	181.4	178.5	174.9	171.2	167.8	163.5	158.5	154.4	149.9
-62.5°	165.4	163.2	161.2	158.8	155.9	152.6	149.5	146.0	141.9	137.6	133.8
-65°	145.4	143.8	142.1	140.0	137.6	134.9	132.2	129.2	125.9	122.1	118.6
-67.5°	126.1	124.7	123.3	121.7	120.1	118.1	116.0	113.4	110.6	107.6	104.6
-70°	107.7	106.4	105.2	104.3	103.3	102.0	100.3	98.3	96.1	93.7	91.0
-72.5°	90.5	89.6	88.8	88.3	87.5	86.4	85.2	83.8	82.2	80.3	77.9
-75°	74.6	74.2	73.6	73.3	72.6	71.7	70.7	69.6	68.3	66.7	64.7
-77.5°	60.1	59.8	59.3	58.9	58.3	57.4	56.4	55.7	54.8	53.6	52.0
-80°	46.5	46.3	46.0	45.7	45.3	44.8	44.1	43.3	42.3	41.1	39.9
-82.5°	34.3	34.0	33.7	33.5	33.1	32.6	32.0	31.4	30.8	30.0	29.2
-85°	22.0	21.9	21.7	21.5	21.3	21.0	20.7	20.5	20.2	19.8	19.3
-87.5°	9.7	9.7	9.6	9.8	10.0	10.2	10.3	10.2	10.1	9.9	9.7
-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: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.8	5.3	4.8	4.2
85°	19.6	18.4	17.0	15.5	14.1	12.7	12.2	11.6	10.6	9.5	8.5
82.5°	36.6	34.8	33.0	30.9	28.6	26.3	23.8	21.1	17.8	14.6	12.7
80°	57.8	54.8	51.6	48.0	44.1	39.9	36.4	32.6	28.0	23.4	19.1
77.5°	81.9	76.9	71.4	66.8	62.0	56.8	51.2	44.9	38.0	32.2	26.6
75°	108.8	102.4	95.9	88.8	81.3	73.7	67.1	59.3	50.1	41.1	34.0
72.5°	142.2	132.4	122.3	111.9	102.9	93.6	84.0	73.5	62.7	52.1	41.8
70°	178.0	164.5	151.8	139.3	126.3	113.4	102.3	89.4	75.1	63.0	51.2
67.5°	216.1	201.3	185.2	167.5	151.8	136.6	121.0	105.3	89.4	73.6	60.3
65°	259.4	240.7	220.5	201.1	180.3	160.0	142.6	121.9	103.4	86.0	69.2
62.5°	306.9	282.6	260.6	236.2	211.9	187.9	163.4	140.1	117.6	98.0	79.2
60°	360.8	334.1	303.3	275.9	246.7	217.3	188.1	157.7	133.1	109.8	89.4
57.5°	420.1	388.7	355.7	319.5	285.2	250.4	212.8	177.8	148.1	122.5	99.2
55°	482.0	446.7	409.5	369.7	327.3	287.2	238.8	198.5	163.3	135.1	108.3
52.5°	551.4	509.2	466.3	421.4	374.7	322.9	267.5	217.9	180.3	147.1	117.9
50°	631.4	578.6	527.7	476.1	422.8	360.4	294.4	241.1	196.3	159.3	127.1
47.5°	722.5	658.5	595.4	533.5	474.5	395.3	324.1	263.3	211.1	172.3	135.7
45°	817.0	746.4	670.0	598.4	516.6	430.6	353.0	283.7	229.1	183.5	143.6
42.5°	911.8	835.4	753.4	663.9	559.8	464.1	379.4	306.6	245.7	193.9	151.8
40°	1017.1	924.1	836.6	724.7	599.0	494.5	406.5	328.1	260.5	204.3	160.1
37.5°	1117.5	1014.7	918.5	771.1	634.9	525.6	431.3	347.4	274.2	215.6	167.6
35°	1211.2	1102.5	959.7	808.9	670.5	552.0	453.2	365.6	288.7	225.6	174.4
32.5°	1296.7	1158.8	991.3	838.3	698.8	573.5	473.1	381.7	301.1	234.1	180.3
30°	1355.0	1179.8	1013.1	859.6	719.8	594.3	489.3	395.1	311.4	241.4	185.9
27.5°	1358.1	1189.6	1024.7	872.9	734.3	609.6	501.7	405.8	319.6	248.1	191.7
25°	1347.5	1185.3	1026.4	877.8	742.0	622.1	511.1	413.8	327.2	254.7	196.3
22.5°	1322.6	1170.1	1018.7	874.4	750.4	630.7	518.9	420.6	333.3	259.6	200.0
20°	1291.1	1145.3	1005.7	877.7	754.7	636.3	524.8	425.1	337.3	263.0	202.6
17.5°	1252.5	1125.6	1003.5	877.1	754.7	637.9	527.4	427.1	339.1	264.8	204.3
15°	1234.8	1117.9	996.9	872.4	750.5	635.8	526.9	426.8	339.0	265.2	205.5
12.5°	1220.6	1105.8	986.2	863.7	742.3	630.1	523.5	424.3	337.0	265.2	206.3
10°	1202.6	1089.2	971.4	850.9	730.3	620.9	517.1	420.4	336.0	264.7	206.4
7.5°	1180.6	1068.3	952.6	834.2	715.9	610.6	510.6	416.1	333.9	263.2	205.7
5°	1155.2	1045.2	932.3	818.2	704.9	599.7	502.0	409.7	330.3	260.5	204.2
2.5°	1127.6	1021.3	909.7	798.9	691.0	586.1	491.1	401.5	325.4	256.9	202.1
0°	1095.6	993.4	883.2	775.9	674.3	570.1	478.0	391.5	319.2	252.4	199.3
-2.5°	1067.5	962.8	854.7	751.0	649.8	550.9	463.8	381.5	312.3	247.9	196.4
-5°	1034.9	928.2	822.8	722.9	622.8	529.6	447.8	370.1	304.3	242.7	192.9
-7.5°	986.9	885.9	786.4	691.3	593.6	506.7	430.3	357.6	295.4	236.7	188.8
-10°	932.9	838.0	745.3	655.6	565.2	484.1	411.9	344.2	285.5	230.1	184.3
-12.5°	875.7	787.5	701.8	618.1	536.0	461.8	394.3	331.0	275.0	222.8	179.3
-15°	815.9	734.8	656.5	579.4	505.8	438.4	375.8	317.5	264.7	215.4	173.9
-17.5°	755.0	680.5	609.6	539.8	475.0	414.1	356.7	303.3	253.8	208.0	168.5
-20°	699.5	629.7	561.7	499.7	443.9	389.1	337.1	288.6	242.4	200.2	163.1



REPORT NUMBER: P558602 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-930-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°	644.0	582.9	521.5	462.5	413.4	363.5	317.2	273.4	230.7	192.0	157.3
-25°	588.9	536.3	482.2	431.6	383.8	339.7	298.1	257.8	218.6	183.6	151.1
-27.5°	536.9	490.9	442.7	400.6	357.9	316.3	279.6	243.1	206.9	174.9	144.6
-30°	487.3	447.6	407.3	370.2	332.4	296.0	261.1	228.3	196.3	166.5	137.7
-32.5°	441.5	404.8	373.5	342.1	308.9	275.8	243.9	213.7	185.6	158.2	131.4
-35°	399.0	368.2	340.7	314.8	286.2	257.4	228.2	199.2	174.9	149.6	125.1
-37.5°	358.4	335.8	312.2	289.2	263.7	239.4	213.4	187.2	164.2	140.8	118.7
-40°	325.1	305.7	286.1	265.0	243.7	221.8	198.5	175.8	153.9	131.8	112.2
-42.5°	293.3	278.3	261.4	241.5	225.1	205.5	183.9	164.3	143.9	123.6	105.6
-45°	265.0	252.3	237.9	223.0	207.3	189.4	171.0	152.6	133.8	116.0	99.2
-47.5°	238.4	228.9	217.2	204.8	190.3	174.0	158.0	141.5	123.8	108.3	93.1
-50°	216.0	207.8	198.4	187.1	173.6	159.8	145.2	130.5	115.3	100.8	86.8
-52.5°	196.5	188.7	180.3	169.8	158.4	145.5	133.4	119.6	106.7	93.5	80.5
-55°	178.2	170.6	162.8	153.9	143.6	132.9	121.7	110.0	97.9	86.2	74.2
-57.5°	160.9	153.5	146.9	138.9	130.2	120.9	110.8	100.2	89.6	78.9	68.5
-60°	144.3	138.3	131.8	125.2	117.6	109.1	100.1	90.6	81.3	71.6	62.7
-62.5°	129.1	123.6	118.2	112.2	105.3	97.6	89.5	81.5	72.9	65.0	56.9
-65°	114.7	110.2	105.1	99.4	93.1	86.4	79.5	72.2	65.3	58.4	51.0
-67.5°	101.1	96.9	91.9	86.7	81.7	76.1	69.6	63.8	57.9	51.7	45.3
-70°	87.7	83.7	79.5	75.5	71.0	65.9	60.8	55.7	50.4	45.2	39.5
-72.5°	74.8	71.6	68.3	64.7	60.8	56.6	52.1	47.6	43.5	38.8	33.7
-75°	62.3	59.8	57.2	54.3	50.9	47.3	43.8	40.2	36.5	32.4	28.5
-77.5°	50.3	48.3	46.3	44.2	41.6	38.8	35.8	32.8	29.7	26.7	23.5
-80°	38.9	37.7	36.3	34.6	32.5	30.3	28.1	26.0	23.6	21.2	18.5
-82.5°	28.4	27.5	26.6	25.4	24.0	22.5	21.0	19.4	17.5	15.6	13.7
-85°	18.8	18.1	17.4	16.5	15.6	14.7	13.8	12.8	11.6	10.4	9.1
-87.5°	9.3	9.0	8.6	8.1	7.8	7.3	6.9	6.4	5.8	5.2	4.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	3.1	2.5	1.9	1.3	0.6	0.0
85°	7.3	6.2	5.0	3.8	2.6	1.3	0.0
82.5°	11.0	9.3	7.5	5.7	3.8	1.9	0.0
80°	15.0	12.3	10.0	7.6	5.1	2.5	0.0
77.5°	21.2	16.1	12.5	9.4	6.4	3.1	0.0
75°	27.4	21.1	15.2	11.3	7.6	3.7	0.0
72.5°	33.5	26.0	19.0	13.1	8.8	4.3	0.0
70°	39.6	30.8	22.7	15.1	10.0	4.9	0.0
67.5°	47.2	35.5	26.4	17.8	11.2	5.5	0.0
65°	54.6	40.8	30.0	20.4	12.4	6.1	0.0
62.5°	61.8	46.5	33.4	22.9	13.5	6.7	0.0
60°	68.6	52.1	36.8	25.4	14.6	7.2	0.0
57.5°	76.4	57.4	40.9	27.8	16.2	7.7	0.0
55°	84.0	62.5	44.9	30.1	17.7	8.3	0.0
52.5°	91.1	67.5	48.6	32.4	19.2	8.8	0.0
50°	97.9	72.9	52.2	34.5	20.6	9.2	0.0
47.5°	104.3	78.1	55.7	36.7	21.9	9.7	0.0
45°	111.0	82.9	58.9	39.1	23.3	10.2	0.0
42.5°	117.1	87.4	61.9	41.3	24.5	10.6	0.0
40°	122.7	91.4	64.9	43.5	25.7	11.0	0.0
37.5°	127.8	95.2	68.0	45.5	26.8	11.4	0.0
35°	132.3	98.9	70.7	47.4	27.9	11.7	0.0
32.5°	136.6	102.3	73.3	49.2	28.9	12.1	0.0
30°	141.3	105.4	75.5	50.8	29.8	12.4	0.0
27.5°	145.3	108.0	77.6	52.3	30.6	12.7	0.0
25°	148.7	110.2	79.5	53.7	31.4	13.0	0.0
22.5°	151.5	112.1	81.1	54.9	32.1	13.2	0.0
20°	153.6	114.0	82.5	55.9	32.7	13.4	0.0
17.5°	155.6	115.6	83.6	56.8	33.3	13.6	0.0
15°	157.2	116.9	84.4	57.6	33.7	13.8	0.0
12.5°	158.1	117.8	85.0	58.2	34.1	13.9	0.0
10°	158.5	118.4	85.3	58.7	34.4	14.0	0.0
7.5°	158.4	118.6	85.5	59.1	34.7	14.1	0.0
5°	157.7	118.5	85.3	59.2	34.8	14.2	0.0
2.5°	156.5	118.1	85.0	59.3	34.9	14.2	0.0
0°	154.8	117.4	84.5	59.2	34.9	14.2	0.0
-2.5°	153.0	116.3	84.1	58.9	34.8	14.2	0.0
-5°	150.8	114.9	83.5	58.5	34.7	14.2	0.0
-7.5°	148.2	113.2	82.7	58.0	34.4	14.2	0.0
-10°	145.2	111.2	81.7	57.3	34.1	14.1	0.0
-12.5°	141.9	109.0	80.5	56.5	33.7	14.0	0.0
-15°	138.2	106.6	79.2	55.6	33.3	13.9	0.0
-17.5°	134.2	104.0	77.6	54.5	32.7	13.8	0.0
-20°	130.1	101.2	75.9	53.4	32.2	13.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	125.9	98.2	74.1	52.1	31.5	13.4	0.0
-25°	121.6	95.3	72.0	50.7	30.8	13.2	0.0
-27.5°	116.9	92.2	69.8	49.3	30.0	12.9	0.0
-30°	112.1	88.9	67.5	47.7	29.2	12.6	0.0
-32.5°	107.1	85.4	65.1	46.0	28.3	12.3	0.0
-35°	102.4	81.7	62.5	44.3	27.3	12.0	0.0
-37.5°	97.8	78.1	59.8	42.4	26.4	11.6	0.0
-40°	92.9	74.6	57.1	40.5	25.3	11.2	0.0
-42.5°	88.0	70.9	54.3	38.5	24.2	10.8	0.0
-45°	82.9	67.1	51.6	36.5	23.1	10.4	0.0
-47.5°	77.6	63.3	48.7	34.3	21.9	10.0	0.0
-50°	72.8	59.3	45.8	32.4	20.7	9.5	0.0
-52.5°	68.0	55.3	42.8	30.6	19.4	9.0	0.0
-55°	63.1	51.4	39.6	28.6	18.2	8.5	0.0
-57.5°	58.1	47.4	36.4	26.6	16.8	8.0	0.0
-60°	53.1	43.4	33.2	24.6	15.5	7.4	0.0
-62.5°	48.3	39.2	30.5	22.5	14.3	6.9	0.0
-65°	43.3	35.1	27.7	20.4	13.1	6.3	0.0
-67.5°	38.3	31.2	24.8	18.2	11.9	5.7	0.0
-70°	33.2	27.6	21.9	16.0	10.7	5.1	0.0
-72.5°	28.8	24.0	19.0	14.0	9.4	4.5	0.0
-75°	24.5	20.3	16.0	12.1	8.1	3.9	0.0
-77.5°	20.1	16.6	13.3	10.1	6.8	3.2	0.0
-80°	15.7	13.2	10.7	8.1	5.4	2.6	0.0
-82.5°	11.8	9.9	8.0	6.1	4.1	1.9	0.0
-85°	7.9	6.6	5.4	4.1	2.7	1.3	0.0
-87.5°	3.9	3.3	2.7	2.0	1.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)