

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: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-935-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559058 (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-SA5C-935-U-WAF-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (80) 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

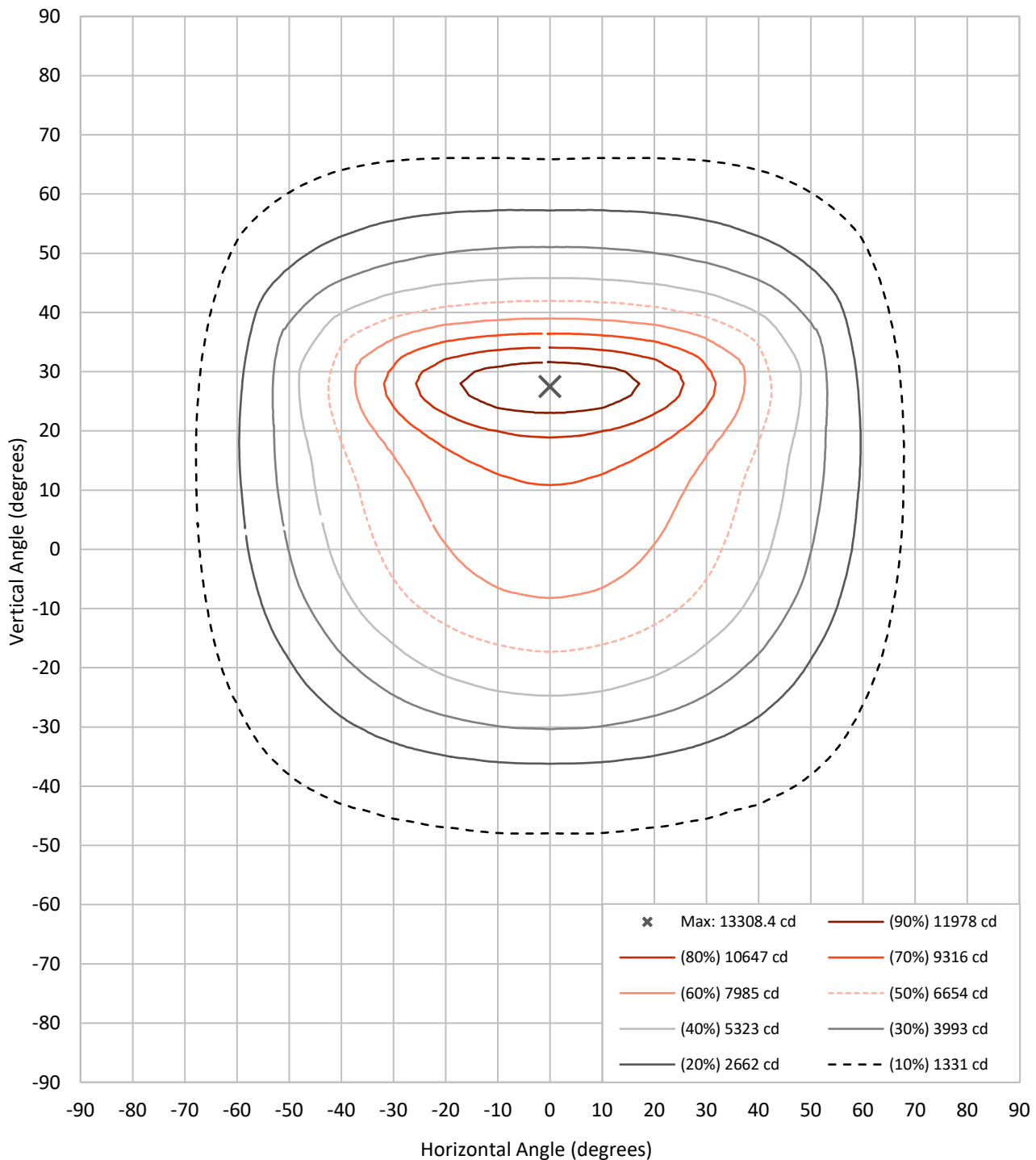
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	19401.3 lumens	Max Intensity:	13308.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	96.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	10062.5 lumens	Field Lumens:	17947.9 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 201
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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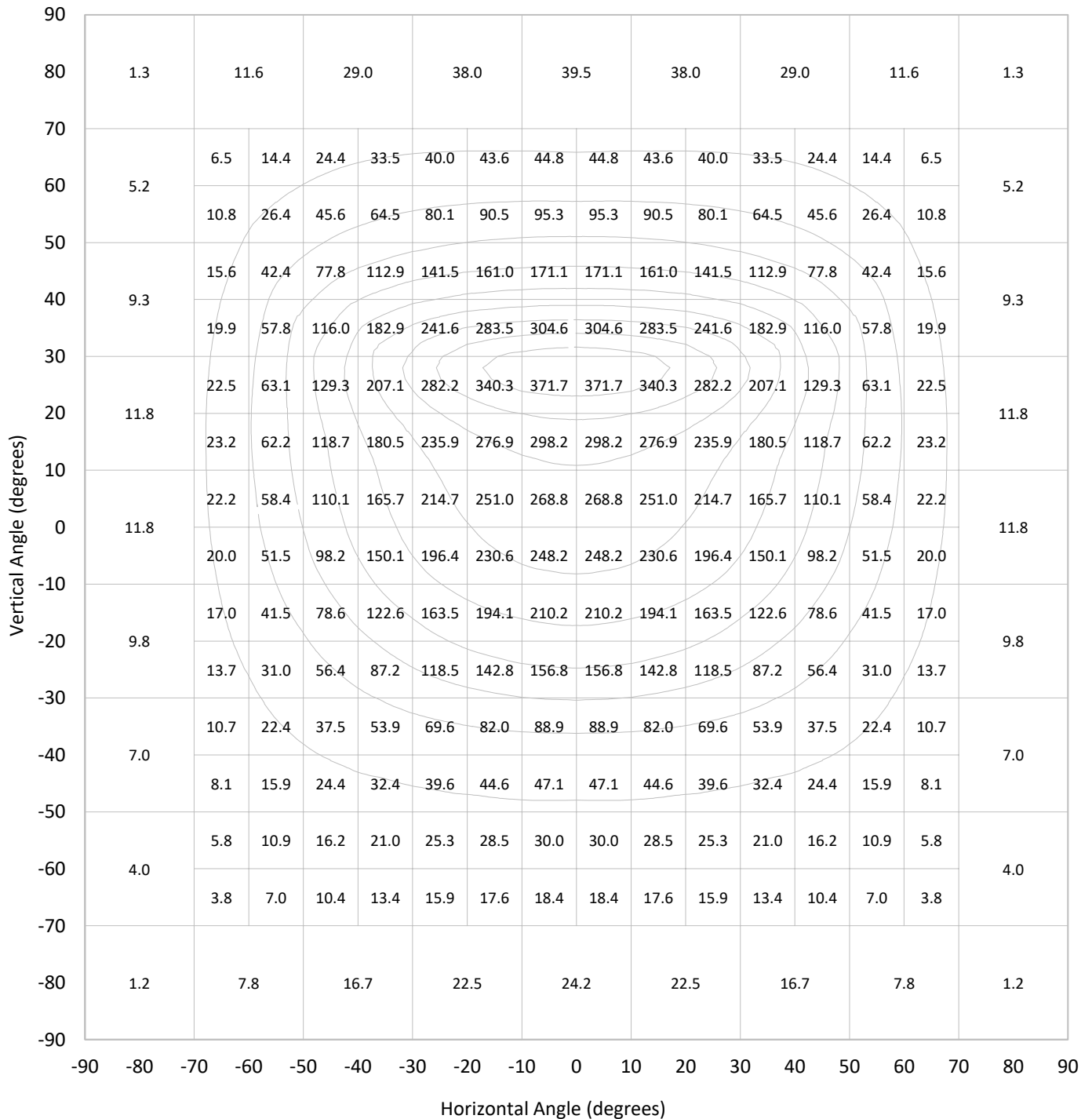
Iso-Candela Plot





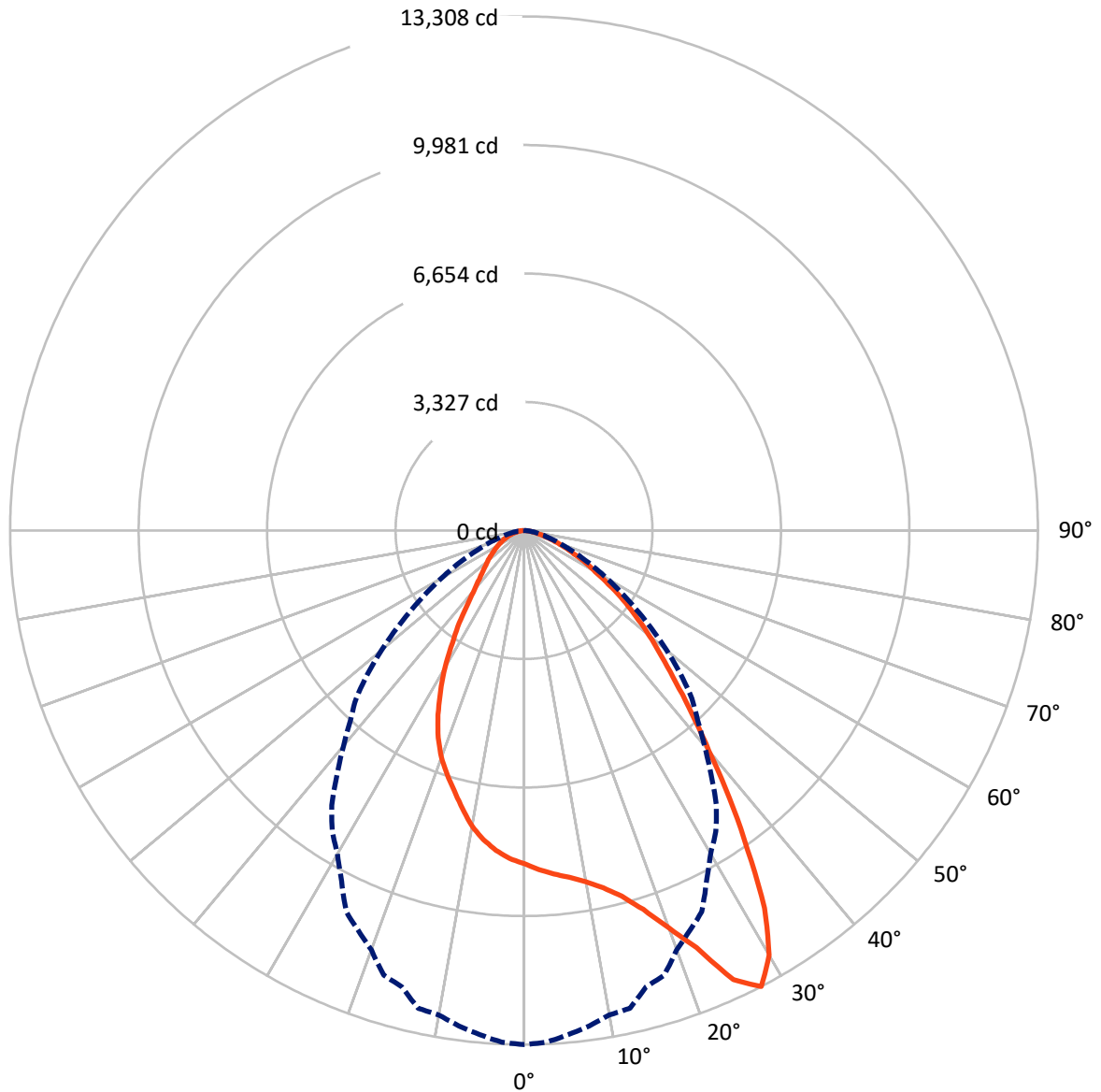
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Lumen Table



REPORT NUMBER: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
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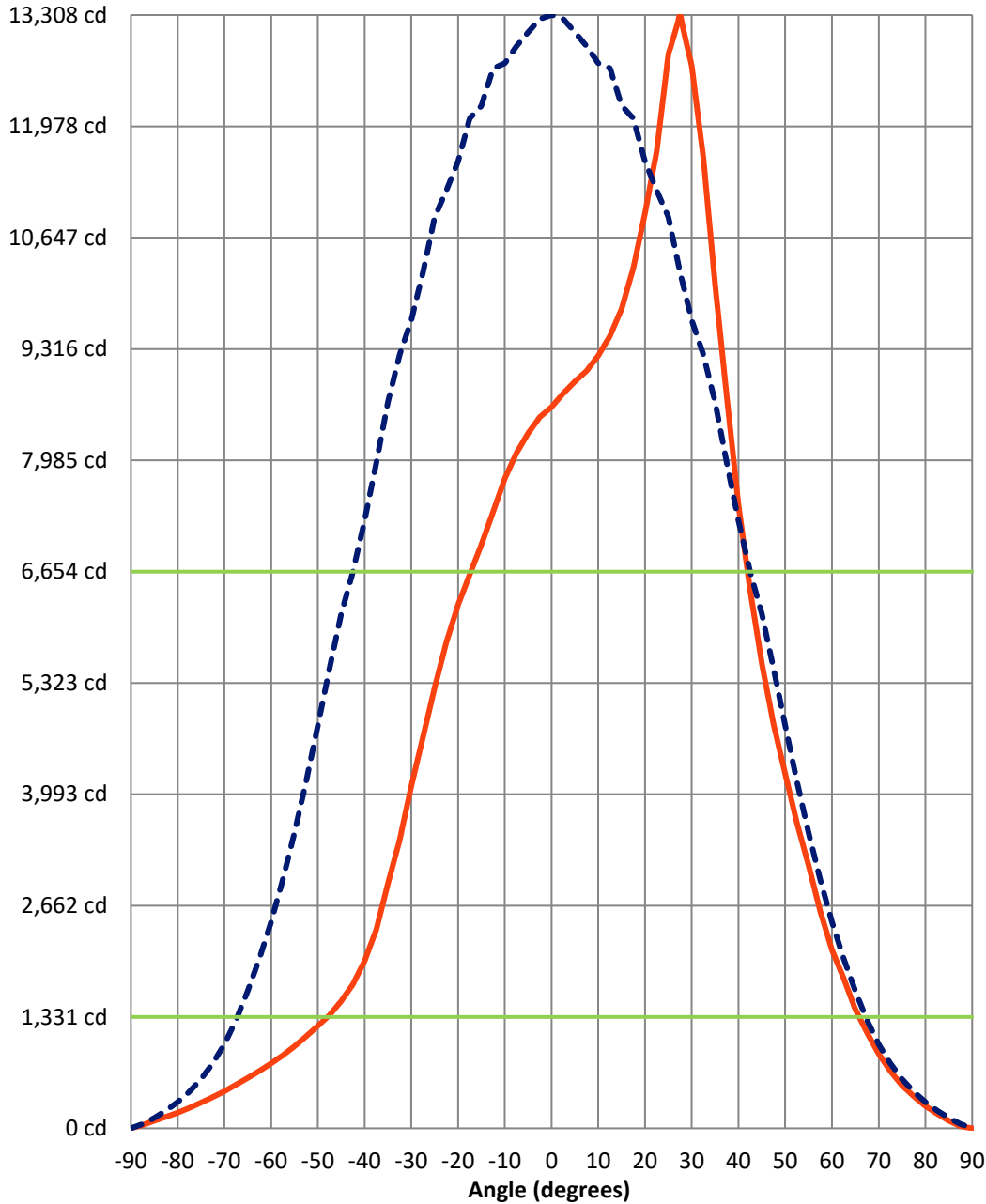
Luminous Intensity Polar Plot



— 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: 10062.5
 Efficiency: 51.9%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 17947.9
 Efficiency: 92.5%

Spill:
 Lumens: 1453.4
 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	2.5	5.2	7.7	10.1	12.5	14.8	17.1	19.3	21.3	23.4
85°	0.0	5.1	10.3	15.4	20.2	25.0	29.6	34.1	38.5	42.7	46.7
82.5°	0.0	7.6	15.5	23.0	30.3	37.5	44.4	51.1	58.8	71.7	85.1
80°	0.0	10.1	20.6	30.6	40.4	49.9	60.4	77.2	94.8	113.1	132.0
77.5°	0.0	12.6	25.7	38.1	50.3	65.0	85.8	107.6	130.3	154.0	181.5
75°	0.0	15.1	30.7	45.6	61.2	85.3	110.8	137.6	166.4	202.8	240.0
72.5°	0.0	17.5	35.6	53.0	76.7	105.2	135.5	169.4	211.0	253.8	297.6
70°	0.0	19.9	40.5	61.1	91.9	124.8	160.6	207.1	254.9	304.1	361.6
67.5°	0.0	22.3	45.3	71.9	106.7	143.9	191.3	244.1	298.0	361.9	426.2
65°	0.0	24.6	50.0	82.5	121.3	165.2	221.2	280.2	348.0	418.5	493.2
62.5°	0.0	26.9	54.6	92.8	135.4	188.4	250.0	320.5	396.7	475.7	566.9
60°	0.0	29.1	59.1	102.8	149.1	210.7	277.8	361.7	444.2	538.7	638.3
57.5°	0.0	31.3	65.4	112.6	165.6	232.2	309.3	401.3	495.7	599.4	719.8
55°	0.0	33.4	71.5	122.0	181.6	252.8	339.8	438.1	546.7	660.8	803.2
52.5°	0.0	35.4	77.5	131.0	196.9	273.0	368.7	477.2	595.4	729.7	881.8
50°	0.0	37.3	83.2	139.7	211.5	295.2	395.9	514.4	644.6	794.3	975.9
47.5°	0.0	39.2	88.8	148.5	225.3	316.0	421.9	549.0	697.0	854.4	1065.6
45°	0.0	41.0	94.1	158.1	238.2	335.4	449.0	581.0	742.7	927.2	1148.2
42.5°	0.0	42.8	99.1	167.3	250.4	353.4	473.9	614.5	784.6	994.2	1241.1
40°	0.0	44.4	103.9	176.0	262.7	369.9	496.7	648.0	826.9	1054.5	1328.1
37.5°	0.0	46.0	108.5	184.2	275.0	385.0	517.2	678.4	872.6	1109.7	1406.1
35°	0.0	47.4	112.8	191.9	286.2	400.0	535.5	705.8	912.9	1168.3	1479.5
32.5°	0.0	48.8	116.8	199.0	296.4	414.0	553.1	729.9	947.7	1218.5	1544.9
30°	0.0	50.1	120.5	205.6	305.4	426.4	571.9	752.4	977.0	1260.2	1599.2
27.5°	0.0	51.3	123.9	211.7	314.0	437.0	588.2	775.7	1004.2	1293.5	1642.3
25°	0.0	52.3	127.1	217.1	321.6	446.0	602.0	794.7	1030.8	1324.2	1674.7
22.5°	0.0	53.3	129.9	222.0	328.2	453.8	613.2	809.5	1050.7	1348.9	1702.4
20°	0.0	54.2	132.4	226.3	333.6	461.5	621.9	820.2	1064.3	1364.9	1720.2
17.5°	0.0	54.9	134.7	230.0	338.0	467.9	629.8	826.9	1071.7	1372.5	1728.5
15°	0.0	55.6	136.6	233.1	341.4	473.0	636.1	831.6	1073.2	1372.0	1727.4
12.5°	0.0	56.2	138.2	235.7	343.8	476.6	640.0	835.1	1073.2	1363.7	1717.1
10°	0.0	56.6	139.4	237.6	345.3	479.0	641.6	835.3	1071.5	1359.6	1701.5
7.5°	0.0	56.9	140.4	238.9	345.7	479.9	640.9	832.4	1065.1	1351.0	1684.1
5°	0.0	57.2	141.0	239.7	345.3	479.6	638.0	826.6	1054.5	1336.6	1658.3
2.5°	0.0	57.3	141.3	239.9	344.0	477.9	633.2	817.9	1039.9	1316.8	1624.8
0°	0.0	57.3	141.3	239.5	341.9	474.9	626.4	806.6	1021.5	1291.7	1584.5
-2.5°	0.0	57.4	141.0	238.4	340.2	470.4	619.2	794.7	1003.4	1263.9	1543.9
-5°	0.0	57.4	140.3	236.8	337.8	464.7	610.3	780.5	982.2	1231.7	1498.1
-7.5°	0.0	57.2	139.3	234.6	334.6	457.9	599.8	764.2	958.0	1195.4	1447.6
-10°	0.0	57.0	138.1	231.9	330.6	450.0	587.8	745.9	931.2	1155.6	1393.2
-12.5°	0.0	56.6	136.5	228.7	325.9	441.1	574.3	725.7	901.9	1113.2	1339.7
-15°	0.0	56.1	134.7	224.9	320.4	431.4	559.4	703.9	871.9	1071.4	1285.1
-17.5°	0.0	55.5	132.6	220.7	314.3	420.8	543.2	682.2	841.9	1027.4	1227.8
-20°	0.0	54.8	130.2	216.1	307.4	409.4	526.5	660.1	810.3	981.3	1168.1



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 CATALOG NUMBER: GFLD-SA5C-935-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	54.0	127.5	211.0	299.8	397.4	509.7	636.5	777.3	933.8	1106.6
-25°	0.0	53.1	124.6	205.4	291.6	385.5	491.9	611.4	743.2	885.0	1043.6
-27.5°	0.0	52.1	121.5	199.4	282.7	372.9	473.2	585.1	708.0	837.7	983.8
-30°	0.0	51.0	118.1	193.1	273.2	359.6	453.6	557.5	674.1	794.6	924.2
-32.5°	0.0	49.7	114.5	186.3	263.4	345.6	433.3	531.7	640.2	751.3	864.9
-35°	0.0	48.4	110.6	179.2	253.1	330.9	414.3	506.3	605.4	708.0	806.2
-37.5°	0.0	47.0	106.6	171.8	242.3	316.0	395.6	480.4	569.7	664.8	757.7
-40°	0.0	45.4	102.4	164.0	231.1	301.7	376.1	454.0	533.1	622.8	711.8
-42.5°	0.0	43.8	98.0	155.9	219.9	287.0	356.0	427.3	500.3	582.2	665.0
-45°	0.0	42.1	93.4	147.6	208.7	271.8	335.3	401.4	469.4	541.5	617.9
-47.5°	0.0	40.2	88.6	139.0	197.2	256.1	314.0	376.7	438.4	500.9	572.9
-50°	0.0	38.4	83.7	131.2	185.3	240.1	294.6	351.4	407.9	466.7	528.1
-52.5°	0.0	36.4	78.6	123.6	173.0	223.7	275.1	325.7	378.4	431.9	484.2
-55°	0.0	34.3	73.4	115.8	160.4	207.9	255.4	299.9	349.0	396.5	445.3
-57.5°	0.0	32.2	68.1	107.7	147.5	191.9	235.3	277.0	319.1	362.7	405.8
-60°	0.0	30.0	62.6	99.5	134.4	175.5	215.1	253.8	289.6	329.1	367.0
-62.5°	0.0	27.7	57.9	91.1	123.2	158.8	195.3	230.2	263.0	295.1	329.8
-65°	0.0	25.4	53.1	82.4	111.9	141.8	175.2	206.6	236.2	264.4	292.4
-67.5°	0.0	23.0	48.2	73.7	100.3	126.1	154.8	183.2	209.0	234.3	258.1
-70°	0.0	20.6	43.1	64.8	88.6	111.6	134.2	159.7	183.0	204.0	225.1
-72.5°	0.0	18.1	38.0	56.7	76.7	97.0	116.4	136.1	156.9	175.8	192.6
-75°	0.0	15.6	32.7	48.8	64.7	82.2	98.9	115.1	130.8	147.5	162.5
-77.5°	0.0	13.1	27.4	40.8	53.8	67.2	81.3	95.1	108.0	120.2	132.4
-80°	0.0	10.5	22.0	32.7	43.2	53.4	63.6	74.9	85.5	95.6	104.9
-82.5°	0.0	7.9	16.5	24.6	32.5	40.1	47.6	55.2	63.0	70.9	78.3
-85°	0.0	5.3	11.1	16.4	21.7	26.8	31.8	36.9	42.0	46.9	51.8
-87.5°	0.0	2.6	5.5	8.2	10.8	13.4	15.9	18.5	21.0	23.5	25.9
-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: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-935-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°	24.6	25.6	26.4	27.0	28.0	29.0	29.7	30.4	31.0	31.4	31.7
85°	49.2	51.2	57.3	63.1	69.1	74.6	79.4	83.7	87.2	90.0	92.2
82.5°	96.1	106.3	116.0	125.2	133.6	141.0	148.2	156.4	163.1	168.7	173.2
80°	147.3	161.4	178.4	194.3	208.7	221.9	233.9	244.7	253.1	261.6	269.8
77.5°	207.1	229.8	250.9	270.3	289.2	311.2	331.5	350.2	364.5	375.4	383.7
75°	271.3	298.2	329.0	359.5	388.2	414.6	440.2	471.4	496.8	515.9	531.2
72.5°	340.0	378.6	416.3	452.8	494.9	535.8	575.5	613.9	647.6	672.3	692.3
70°	414.0	459.0	511.0	563.6	614.2	665.6	720.3	770.1	811.4	840.5	868.3
67.5°	489.7	552.8	614.4	677.7	749.4	814.7	874.5	937.5	993.1	1029.6	1061.6
65°	577.0	647.6	729.8	813.7	892.4	974.0	1049.5	1117.9	1188.0	1239.0	1280.8
62.5°	661.3	760.6	857.5	955.7	1054.7	1143.4	1242.0	1330.0	1400.5	1473.4	1535.9
60°	761.4	879.3	998.2	1116.6	1227.4	1352.0	1460.1	1562.4	1656.6	1737.9	1814.8
57.5°	861.2	1013.5	1154.2	1293.2	1439.6	1572.9	1700.0	1814.5	1927.2	2021.3	2113.6
55°	966.2	1162.3	1324.6	1496.4	1657.5	1808.0	1950.8	2094.2	2214.4	2344.0	2456.8
52.5°	1082.8	1306.8	1516.6	1705.6	1887.2	2060.9	2231.7	2404.3	2573.0	2707.4	2834.8
50°	1191.8	1458.8	1711.1	1926.8	2135.6	2341.7	2555.2	2771.0	2956.9	3110.6	3243.3
47.5°	1311.8	1599.9	1920.5	2159.1	2409.6	2665.1	2924.3	3162.7	3365.2	3574.3	3720.8
45°	1428.7	1742.8	2090.6	2421.7	2711.5	3020.9	3306.5	3569.5	3862.9	4091.2	4287.1
42.5°	1535.4	1878.1	2265.4	2686.7	3049.1	3381.1	3690.2	4060.1	4397.3	4664.2	4908.5
40°	1645.2	2001.2	2424.2	2932.9	3385.7	3740.2	4116.3	4525.2	4963.9	5292.4	5584.5
37.5°	1745.5	2127.2	2569.5	3120.7	3717.1	4106.8	4522.7	4966.3	5466.5	5960.6	6311.7
35°	1834.3	2233.9	2713.7	3273.5	3884.1	4462.1	4902.0	5374.4	5921.8	6563.0	7042.4
32.5°	1914.8	2321.0	2828.0	3392.7	4012.1	4689.9	5248.0	5732.9	6282.2	6943.8	7757.9
30°	1980.5	2405.4	2913.2	3478.9	4100.0	4775.0	5483.9	6012.2	6533.5	7182.7	7940.4
27.5°	2030.3	2467.2	2971.9	3532.6	4147.1	4814.6	5496.3	6148.2	6652.8	7263.8	7952.8
25°	2068.6	2517.9	3003.0	3552.5	4154.0	4797.2	5453.2	6070.1	6636.6	7175.2	7793.5
22.5°	2100.2	2552.8	3037.1	3539.0	4122.6	4735.4	5352.5	5940.6	6488.9	6993.1	7525.0
20°	2124.0	2575.2	3054.3	3552.2	4070.0	4635.1	5225.2	5784.9	6314.6	6802.8	7235.7
17.5°	2134.7	2581.8	3054.2	3549.7	4061.2	4555.5	5069.2	5607.2	6128.0	6613.0	7040.7
15°	2132.8	2573.2	3037.4	3530.8	4034.6	4524.2	4997.5	5441.4	5926.3	6416.7	6842.8
12.5°	2118.7	2549.9	3004.4	3495.5	3991.3	4475.1	4939.9	5385.6	5820.4	6231.0	6638.5
10°	2092.9	2512.7	2955.8	3443.9	3931.5	4408.1	4867.0	5314.1	5744.4	6147.5	6526.9
7.5°	2066.6	2471.0	2897.3	3376.3	3855.2	4323.4	4778.1	5226.1	5648.0	6050.3	6433.4
5°	2031.7	2426.9	2852.8	3311.6	3773.3	4230.0	4675.0	5120.8	5531.4	5937.4	6322.1
2.5°	1987.4	2372.0	2796.6	3233.3	3681.5	4133.5	4563.5	5000.9	5422.0	5812.2	6191.2
0°	1934.5	2307.1	2728.8	3140.3	3574.3	4020.6	4434.1	4861.9	5300.0	5668.5	6039.0
-2.5°	1876.9	2229.4	2629.9	3039.4	3458.8	3896.5	4320.4	4726.1	5154.5	5526.9	5905.3
-5°	1812.3	2143.5	2520.7	2925.5	3329.7	3756.4	4188.3	4573.9	4983.2	5351.5	5723.7
-7.5°	1741.7	2050.8	2402.6	2797.6	3182.7	3585.1	3994.1	4365.2	4763.0	5127.4	5489.9
-10°	1667.2	1959.4	2287.7	2653.1	3016.1	3391.2	3775.4	4138.8	4521.3	4884.1	5233.0
-12.5°	1595.8	1869.2	2169.4	2501.6	2840.4	3186.9	3544.2	3895.0	4257.9	4622.4	4948.6
-15°	1520.9	1774.4	2047.1	2344.8	2656.8	2974.0	3302.1	3634.1	3974.7	4331.3	4632.6
-17.5°	1443.5	1676.0	1922.3	2184.6	2466.9	2754.0	3055.7	3376.1	3687.8	4012.7	4304.1
-20°	1364.3	1574.6	1796.4	2022.5	2273.3	2548.6	2830.8	3118.4	3401.6	3684.5	3958.2



REPORT NUMBER: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-935-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°	1284.0	1471.1	1672.9	1871.9	2110.4	2359.0	2606.6	2856.2	3110.3	3353.9	3612.8
-25°	1206.4	1375.0	1553.3	1746.6	1951.4	2170.6	2383.3	2594.3	2819.6	3048.0	3270.8
-27.5°	1131.6	1280.4	1448.7	1621.2	1791.7	1986.8	2173.0	2351.8	2548.5	2749.9	2929.9
-30°	1056.6	1197.9	1345.3	1498.4	1648.4	1811.3	1972.3	2129.1	2289.3	2461.8	2617.7
-32.5°	987.1	1116.1	1250.2	1384.4	1511.7	1638.0	1786.9	1926.2	2057.3	2180.1	2316.2
-35°	923.6	1041.8	1158.4	1274.1	1379.1	1490.1	1614.5	1731.9	1837.1	1935.8	2039.8
-37.5°	863.7	968.9	1067.2	1170.5	1263.8	1358.9	1450.5	1552.1	1637.4	1716.2	1801.6
-40°	803.6	897.7	986.2	1072.5	1158.0	1237.4	1315.6	1384.7	1453.3	1529.1	1587.8
-42.5°	744.4	831.8	910.9	977.3	1057.8	1126.3	1187.0	1244.3	1300.4	1359.5	1406.5
-45°	692.2	766.7	838.8	902.3	962.8	1021.1	1072.6	1117.6	1170.7	1211.7	1247.3
-47.5°	639.5	704.0	770.0	828.6	879.1	926.6	964.9	1010.0	1053.5	1088.7	1109.5
-50°	587.7	646.6	702.5	757.1	802.9	841.0	874.1	911.2	947.4	977.3	997.0
-52.5°	539.9	589.1	640.9	687.4	729.6	763.7	795.2	827.6	854.1	874.6	900.5
-55°	492.7	538.0	581.3	623.0	659.1	690.3	721.2	749.9	772.7	790.4	811.7
-57.5°	448.4	489.3	527.0	562.0	594.4	621.2	651.3	675.8	697.0	713.6	735.7
-60°	405.1	441.8	476.1	506.5	533.2	559.6	584.1	606.7	625.1	641.5	661.8
-62.5°	362.2	395.3	426.2	454.2	478.4	500.3	522.4	541.6	557.0	574.1	590.8
-65°	322.0	349.9	376.9	402.4	425.2	446.1	464.4	479.9	494.3	509.5	523.0
-67.5°	281.9	307.9	330.6	350.9	372.0	392.1	409.0	423.3	435.5	447.8	459.1
-70°	245.9	266.6	287.3	305.6	321.7	338.6	355.0	368.4	379.2	388.9	398.1
-72.5°	210.6	228.9	246.0	261.8	276.4	290.0	302.9	315.1	325.2	332.7	339.3
-75°	177.1	191.3	206.1	219.9	231.7	242.3	252.1	262.0	270.2	276.7	282.0
-77.5°	144.9	156.9	168.2	178.8	187.4	195.7	203.4	210.5	216.8	221.8	225.4
-80°	113.8	122.5	131.7	140.4	147.0	152.6	157.5	161.7	166.3	171.1	175.3
-82.5°	84.7	91.0	97.1	103.0	107.6	111.4	114.8	118.0	121.4	124.5	127.2
-85°	55.7	59.3	63.0	66.6	70.1	73.2	75.9	78.2	80.0	81.6	82.9
-87.5°	27.9	29.7	31.3	32.9	34.6	36.2	37.7	39.1	40.0	40.8	41.4
-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: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-935-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°	31.9	31.9	31.9	31.8	31.5	30.3	28.9	27.3	25.7	26.5	27.2
85°	93.9	94.2	93.9	93.0	91.5	91.4	91.1	90.5	89.6	91.0	92.2
82.5°	176.7	178.0	178.1	177.3	175.5	176.3	176.6	176.2	175.2	176.4	177.2
80°	276.1	278.7	278.8	276.9	273.2	273.7	274.0	273.2	271.4	271.8	271.7
77.5°	393.2	399.3	401.4	400.6	396.8	395.7	393.0	387.6	379.8	379.6	379.8
75°	542.8	549.0	552.2	551.9	548.3	545.9	542.5	536.3	527.6	527.2	527.3
72.5°	707.7	716.8	720.9	724.6	724.6	723.2	718.8	709.6	696.0	694.4	696.1
70°	889.9	905.3	915.0	922.4	928.4	929.6	926.7	919.3	907.4	904.3	903.3
67.5°	1092.8	1117.4	1135.9	1148.3	1159.9	1168.3	1171.5	1168.1	1158.5	1155.3	1156.6
65°	1320.3	1358.1	1389.4	1412.8	1428.5	1439.6	1449.2	1455.0	1456.4	1459.8	1464.3
62.5°	1586.0	1632.5	1675.9	1705.5	1720.7	1731.5	1762.7	1780.6	1785.8	1786.9	1793.8
60°	1882.7	1941.4	1995.6	2039.1	2074.3	2100.9	2127.5	2145.0	2151.6	2152.9	2162.4
57.5°	2207.2	2280.8	2344.3	2411.7	2458.8	2486.0	2521.5	2558.0	2577.1	2582.6	2605.1
55°	2566.0	2666.7	2748.9	2821.1	2886.7	2944.4	2993.3	3031.0	3058.8	3075.6	3105.4
52.5°	2962.9	3081.2	3167.2	3251.9	3346.0	3412.4	3455.8	3525.5	3575.9	3603.7	3639.2
50°	3398.7	3530.5	3647.7	3736.4	3845.9	3936.6	4002.7	4068.7	4114.9	4141.3	4175.7
47.5°	3894.7	4057.0	4193.0	4275.3	4402.4	4509.3	4552.3	4602.2	4689.2	4731.0	4767.8
45°	4453.3	4660.2	4811.4	4940.2	5049.5	5169.2	5247.7	5304.3	5390.0	5433.1	5460.2
42.5°	5117.8	5348.1	5547.2	5701.8	5793.7	5949.0	6062.4	6094.2	6215.7	6298.1	6322.3
40°	5863.2	6118.4	6381.1	6557.3	6705.2	6863.0	7049.9	7154.0	7256.7	7337.5	7355.7
37.5°	6639.9	6981.5	7281.3	7508.8	7753.3	7986.0	8184.2	8292.3	8359.7	8514.2	8571.8
35°	7429.4	7782.0	8202.0	8555.4	8851.8	9139.1	9365.2	9543.3	9712.8	9851.8	9935.1
32.5°	8101.8	8481.2	8999.8	9529.0	9848.9	10160.2	10531.5	10735.1	10961.3	11144.5	11278.4
30°	8654.3	9015.0	9487.1	10151.3	10589.4	10904.8	11374.7	11656.3	11902.6	12213.2	12321.3
27.5°	8680.5	9244.3	9661.8	10233.7	10891.2	11211.4	11559.1	12071.0	12226.3	12669.1	12732.9
25°	8452.6	9044.6	9473.6	9951.1	10497.7	10887.2	11204.8	11630.4	11853.3	12138.1	12356.8
22.5°	8096.3	8618.0	9055.6	9460.5	9887.1	10241.7	10532.0	10831.2	11075.8	11296.7	11502.0
20°	7702.7	8197.9	8613.0	8961.1	9299.2	9627.9	9889.1	10140.3	10351.9	10541.6	10658.4
17.5°	7425.5	7781.8	8205.9	8562.5	8855.6	9113.7	9383.8	9594.1	9779.6	9950.4	10057.1
15°	7236.3	7575.1	7877.0	8204.3	8513.1	8759.1	8962.5	9179.5	9339.9	9486.8	9602.6
12.5°	7039.8	7388.9	7704.9	7977.5	8219.2	8487.9	8705.3	8876.0	9044.2	9159.7	9278.5
10°	6875.7	7202.4	7530.1	7818.0	8072.3	8293.8	8499.6	8691.0	8842.0	8971.4	9065.1
7.5°	6780.5	7100.9	7395.4	7671.6	7919.5	8155.5	8367.8	8543.3	8692.9	8826.8	8924.9
5°	6670.1	6987.2	7281.2	7563.4	7801.6	8028.3	8239.7	8420.3	8575.1	8694.5	8788.3
2.5°	6543.5	6856.3	7149.6	7436.5	7674.6	7893.2	8093.3	8269.4	8430.7	8544.5	8624.4
0°	6399.3	6712.5	6999.1	7269.3	7508.9	7744.3	7928.5	8106.6	8264.2	8376.8	8456.7
-2.5°	6253.8	6565.1	6861.8	7120.6	7358.4	7575.8	7771.9	7940.1	8090.6	8202.8	8272.8
-5°	6060.5	6369.8	6662.6	6923.5	7171.8	7390.1	7580.7	7751.8	7896.8	8019.1	8114.1
-7.5°	5826.3	6139.2	6431.7	6698.0	6945.1	7151.4	7334.5	7506.8	7661.6	7795.2	7912.1
-10°	5568.9	5878.3	6154.6	6404.1	6634.4	6844.1	7038.8	7209.1	7351.0	7481.7	7580.2
-12.5°	5269.1	5555.5	5825.8	6071.7	6296.9	6506.8	6692.0	6854.2	6997.0	7112.9	7201.7
-15°	4938.2	5210.1	5466.2	5717.5	5953.2	6160.0	6322.9	6493.9	6617.6	6730.0	6810.0
-17.5°	4584.2	4847.1	5116.4	5368.4	5586.0	5789.9	5969.3	6125.5	6255.4	6358.5	6448.6
-20°	4225.4	4493.3	4752.4	4992.6	5201.8	5390.9	5572.5	5722.5	5855.7	5967.8	6073.6



REPORT NUMBER: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3865.2	4110.8	4354.0	4589.0	4786.9	4965.7	5124.6	5268.1	5385.7	5517.9	5611.3
-25°	3495.0	3710.3	3930.0	4137.5	4324.6	4500.3	4644.4	4770.2	4892.7	5020.4	5111.4
-27.5°	3123.1	3313.4	3491.9	3675.5	3839.4	3991.6	4125.3	4235.5	4354.4	4439.6	4539.7
-30°	2755.2	2927.9	3076.8	3204.5	3358.7	3489.3	3593.3	3702.7	3800.9	3882.4	3966.8
-32.5°	2443.8	2561.8	2680.7	2787.6	2890.1	2997.5	3081.3	3176.8	3244.1	3314.3	3382.5
-35°	2144.5	2235.4	2314.4	2414.3	2491.1	2549.6	2619.5	2689.6	2716.5	2792.8	2833.5
-37.5°	1873.5	1933.1	2006.7	2076.4	2133.4	2177.1	2239.3	2276.0	2295.4	2344.8	2371.2
-40°	1641.4	1679.2	1747.9	1795.4	1829.7	1861.4	1913.2	1937.0	1963.4	1987.9	1988.7
-42.5°	1437.3	1485.8	1532.5	1569.8	1591.5	1627.6	1652.0	1654.7	1688.9	1710.7	1714.0
-45°	1270.5	1319.7	1356.6	1384.1	1405.7	1436.8	1452.5	1461.3	1489.1	1504.0	1510.5
-47.5°	1142.2	1176.7	1208.6	1229.8	1258.2	1281.2	1292.7	1307.4	1328.8	1342.4	1352.1
-50°	1029.4	1056.7	1081.0	1100.4	1128.7	1149.2	1160.2	1178.3	1194.3	1204.1	1211.8
-52.5°	930.3	954.7	971.5	990.4	1013.8	1032.0	1046.0	1063.9	1077.1	1085.8	1092.6
-55°	837.5	860.4	876.9	897.4	914.2	926.3	938.2	955.7	968.8	977.6	983.4
-57.5°	755.6	772.8	789.0	807.6	823.6	836.8	847.5	857.1	865.7	872.9	878.6
-60°	678.9	692.9	707.7	722.3	734.3	743.9	755.3	764.1	769.6	773.1	777.7
-62.5°	605.1	617.7	630.8	642.6	652.2	660.2	669.5	676.7	681.8	685.5	688.2
-65°	535.1	545.9	557.0	566.8	575.1	582.1	588.6	593.6	597.2	600.3	602.7
-67.5°	469.5	478.1	485.8	492.6	498.8	504.7	510.4	514.3	516.4	518.9	521.4
-70°	406.2	413.0	418.2	422.2	425.9	430.6	436.1	439.9	442.1	444.6	446.8
-72.5°	345.0	350.0	354.2	357.6	359.6	362.6	366.4	369.6	371.9	373.8	374.6
-75°	286.1	290.2	293.9	296.5	298.1	300.2	302.1	303.2	303.3	304.2	304.7
-77.5°	228.5	232.5	236.0	238.5	240.0	241.8	243.1	243.9	244.0	244.1	243.6
-80°	178.4	181.1	183.4	185.1	186.3	187.5	188.2	188.4	188.0	188.4	188.5
-82.5°	129.6	132.0	134.1	135.6	136.6	137.8	138.8	139.5	139.9	140.1	139.9
-85°	83.9	85.0	86.1	87.1	88.0	88.5	88.8	88.8	88.6	88.7	88.6
-87.5°	41.9	41.5	40.8	40.0	39.0	39.2	39.4	39.5	39.5	39.9	40.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-935-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°	27.9	28.6	26.6	24.6	26.6	28.6	27.9	27.2	26.5	25.7	27.3
85°	93.1	93.7	92.0	90.1	92.0	93.7	93.1	92.2	91.0	89.6	90.5
82.5°	177.5	177.2	175.8	174.0	175.8	177.2	177.5	177.2	176.4	175.2	176.2
80°	270.7	268.9	267.8	266.1	267.8	268.9	270.7	271.7	271.8	271.4	273.2
77.5°	378.9	376.8	380.2	382.8	380.2	376.8	378.9	379.8	379.6	379.8	387.6
75°	525.3	521.3	517.4	511.8	517.4	521.3	525.3	527.3	527.2	527.6	536.3
72.5°	695.3	692.1	689.0	683.7	689.0	692.1	695.3	696.1	694.4	696.0	709.6
70°	897.9	888.4	890.0	890.5	890.0	888.4	897.9	903.3	904.3	907.4	919.3
67.5°	1152.9	1144.3	1145.3	1144.3	1145.3	1144.3	1152.9	1156.6	1155.3	1158.5	1168.1
65°	1461.6	1451.8	1440.1	1422.8	1440.1	1451.8	1461.6	1464.3	1459.8	1456.4	1455.0
62.5°	1792.9	1784.4	1789.3	1793.3	1789.3	1784.4	1792.9	1793.8	1786.9	1785.8	1780.6
60°	2160.9	2148.9	2142.8	2133.1	2142.8	2148.9	2160.9	2162.4	2152.9	2151.6	2145.0
57.5°	2615.4	2613.2	2607.8	2593.7	2607.8	2613.2	2615.4	2605.1	2582.6	2577.1	2558.0
55°	3119.3	3116.5	3128.1	3142.3	3128.1	3116.5	3119.3	3105.4	3075.6	3058.8	3031.0
52.5°	3665.4	3674.6	3671.3	3652.1	3671.3	3674.6	3665.4	3639.2	3603.7	3575.9	3525.5
50°	4206.0	4216.3	4227.4	4237.6	4227.4	4216.3	4206.0	4175.7	4141.3	4114.9	4068.7
47.5°	4818.6	4845.9	4850.6	4831.2	4850.6	4845.9	4818.6	4767.8	4731.0	4689.2	4602.2
45°	5514.6	5531.1	5539.4	5555.9	5539.4	5531.1	5514.6	5460.2	5433.1	5390.0	5304.3
42.5°	6392.1	6411.2	6414.2	6432.1	6414.2	6411.2	6392.1	6322.3	6298.1	6215.7	6094.2
40°	7433.7	7464.6	7459.2	7451.5	7459.2	7464.6	7433.7	7355.7	7337.5	7256.7	7154.0
37.5°	8653.0	8705.4	8710.9	8743.3	8710.9	8705.4	8653.0	8571.8	8514.2	8359.7	8292.3
35°	10021.3	10083.1	10072.4	10088.2	10072.4	10083.1	10021.3	9935.1	9851.8	9712.8	9543.3
32.5°	11401.6	11494.2	11512.8	11590.8	11512.8	11494.2	11401.6	11278.4	11144.5	10961.3	10735.1
30°	12486.1	12615.9	12700.6	12694.2	12700.6	12615.9	12486.1	12321.3	12213.2	11902.6	11656.3
27.5°	12935.3	13103.5	13260.9	13308.4	13260.9	13103.5	12935.3	12732.9	12669.1	12226.3	12071.0
25°	12497.0	12619.9	12758.9	12833.4	12758.9	12619.9	12497.0	12356.8	12138.1	11853.3	11630.4
22.5°	11596.4	11676.3	11723.7	11685.0	11723.7	11676.3	11596.4	11502.0	11296.7	11075.8	10831.2
20°	10779.2	10880.3	10899.1	10939.8	10899.1	10880.3	10779.2	10658.4	10541.6	10351.9	10140.3
17.5°	10170.9	10237.2	10276.0	10284.8	10276.0	10237.2	10170.9	10057.1	9950.4	9779.6	9594.1
15°	9694.2	9747.3	9782.1	9797.5	9782.1	9747.3	9694.2	9602.6	9486.8	9339.9	9179.5
12.5°	9356.4	9421.1	9452.8	9472.1	9452.8	9421.1	9356.4	9278.5	9159.7	9044.2	8876.0
10°	9139.8	9202.2	9227.3	9236.6	9227.3	9202.2	9139.8	9065.1	8971.4	8842.0	8691.0
7.5°	8984.2	9024.3	9041.2	9054.4	9041.2	9024.3	8984.2	8924.9	8826.8	8692.9	8543.3
5°	8858.7	8890.6	8908.5	8927.5	8908.5	8890.6	8858.7	8788.3	8694.5	8575.1	8420.3
2.5°	8687.8	8733.5	8765.1	8784.2	8765.1	8733.5	8687.8	8624.4	8544.5	8430.7	8269.4
0°	8520.1	8563.1	8585.6	8622.5	8585.6	8563.1	8520.1	8456.7	8376.8	8264.2	8106.6
-2.5°	8335.7	8385.5	8444.6	8501.7	8444.6	8385.5	8335.7	8272.8	8202.8	8090.6	7940.1
-5°	8194.6	8260.4	8272.7	8309.3	8272.7	8260.4	8194.6	8114.1	8019.1	7896.8	7751.8
-7.5°	7981.8	8011.8	8062.7	8071.8	8062.7	8011.8	7981.8	7912.1	7795.2	7661.6	7506.8
-10°	7653.8	7702.6	7734.4	7766.8	7734.4	7702.6	7653.8	7580.2	7481.7	7351.0	7209.1
-12.5°	7268.4	7325.7	7376.9	7369.7	7376.9	7325.7	7268.4	7201.7	7112.9	6997.0	6854.2
-15°	6892.9	6948.3	6983.4	6978.7	6983.4	6948.3	6892.9	6810.0	6730.0	6617.6	6493.9
-17.5°	6520.2	6570.7	6621.6	6620.4	6621.6	6570.7	6520.2	6448.6	6358.5	6255.4	6125.5
-20°	6135.4	6178.6	6233.2	6256.0	6233.2	6178.6	6135.4	6073.6	5967.8	5855.7	5722.5



REPORT NUMBER: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-935-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°	5690.4	5745.8	5785.4	5809.7	5785.4	5745.8	5690.4	5611.3	5517.9	5385.7	5268.1
-25°	5171.8	5228.6	5258.7	5269.3	5258.7	5228.6	5171.8	5111.4	5020.4	4892.7	4770.2
-27.5°	4598.8	4662.5	4693.4	4677.7	4693.4	4662.5	4598.8	4539.7	4439.6	4354.4	4235.5
-30°	4011.1	4052.0	4056.7	4092.2	4056.7	4052.0	4011.1	3966.8	3882.4	3800.9	3702.7
-32.5°	3431.3	3458.7	3443.1	3445.3	3443.1	3458.7	3431.3	3382.5	3314.3	3244.1	3176.8
-35°	2858.8	2880.7	2885.0	2925.3	2885.0	2880.7	2858.8	2833.5	2792.8	2716.5	2689.6
-37.5°	2398.6	2407.4	2393.9	2374.7	2393.9	2407.4	2398.6	2371.2	2344.8	2295.4	2276.0
-40°	2008.2	2015.0	2010.0	2000.0	2010.0	2015.0	2008.2	1988.7	1987.9	1963.4	1937.0
-42.5°	1727.4	1727.4	1722.9	1721.6	1722.9	1727.4	1727.4	1714.0	1710.7	1688.9	1654.7
-45°	1520.0	1522.1	1521.8	1521.0	1521.8	1522.1	1520.0	1510.5	1504.0	1489.1	1461.3
-47.5°	1359.0	1359.5	1357.3	1353.2	1357.3	1359.5	1359.0	1352.1	1342.4	1328.8	1307.4
-50°	1216.5	1216.5	1219.3	1224.2	1219.3	1216.5	1216.5	1211.8	1204.1	1194.3	1178.3
-52.5°	1096.2	1095.9	1097.4	1099.3	1097.4	1095.9	1096.2	1092.6	1085.8	1077.1	1063.9
-55°	986.0	985.4	984.0	980.6	984.0	985.4	986.0	983.4	977.6	968.8	955.7
-57.5°	880.7	879.4	876.8	872.1	876.8	879.4	880.7	878.6	872.9	865.7	857.1
-60°	780.3	780.7	779.4	775.9	779.4	780.7	780.3	777.7	773.1	769.6	764.1
-62.5°	688.8	687.4	687.1	685.8	687.1	687.4	688.8	688.2	685.5	681.8	676.7
-65°	603.1	601.7	602.2	601.9	602.2	601.7	603.1	602.7	600.3	597.2	593.6
-67.5°	522.5	522.0	522.4	522.0	522.4	522.0	522.5	521.4	518.9	516.4	514.3
-70°	448.1	448.3	446.0	442.2	446.0	448.3	448.1	446.8	444.6	442.1	439.9
-72.5°	374.3	373.0	373.2	372.6	373.2	373.0	374.3	374.6	373.8	371.9	369.6
-75°	304.5	303.7	305.6	307.1	305.6	303.7	304.5	304.7	304.2	303.3	303.2
-77.5°	242.5	240.7	242.3	243.6	242.3	240.7	242.5	243.6	244.1	244.0	243.9
-80°	188.2	187.6	187.1	186.3	187.1	187.6	188.2	188.5	188.4	188.0	188.4
-82.5°	139.4	138.6	138.1	137.2	138.1	138.6	139.4	139.9	140.1	139.9	139.5
-85°	88.2	87.6	89.0	90.1	89.0	87.6	88.2	88.6	88.7	88.6	88.8
-87.5°	40.5	40.7	39.9	38.9	39.9	40.7	40.5	40.3	39.9	39.5	39.5
-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: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-935-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°	28.9	30.3	31.5	31.8	31.9	31.9	31.9	31.7	31.4	31.0	30.4
85°	91.1	91.4	91.5	93.0	93.9	94.2	93.9	92.2	90.0	87.2	83.7
82.5°	176.6	176.3	175.5	177.3	178.1	178.0	176.7	173.2	168.7	163.1	156.4
80°	274.0	273.7	273.2	276.9	278.8	278.7	276.1	269.8	261.6	253.1	244.7
77.5°	393.0	395.7	396.8	400.6	401.4	399.3	393.2	383.7	375.4	364.5	350.2
75°	542.5	545.9	548.3	551.9	552.2	549.0	542.8	531.2	515.9	496.8	471.4
72.5°	718.8	723.2	724.6	724.6	720.9	716.8	707.7	692.3	672.3	647.6	613.9
70°	926.7	929.6	928.4	922.4	915.0	905.3	889.9	868.3	840.5	811.4	770.1
67.5°	1171.5	1168.3	1159.9	1148.3	1135.9	1117.4	1092.8	1061.6	1029.6	993.1	937.5
65°	1449.2	1439.6	1428.5	1412.8	1389.4	1358.1	1320.3	1280.8	1239.0	1188.0	1117.9
62.5°	1762.7	1731.5	1720.7	1705.5	1675.9	1632.5	1586.0	1535.9	1473.4	1400.5	1330.0
60°	2127.5	2100.9	2074.3	2039.1	1995.6	1941.4	1882.7	1814.8	1737.9	1656.6	1562.4
57.5°	2521.5	2486.0	2458.8	2411.7	2344.3	2280.8	2207.2	2113.6	2021.3	1927.2	1814.5
55°	2993.3	2944.4	2886.7	2821.1	2748.9	2666.7	2566.0	2456.8	2344.0	2214.4	2094.2
52.5°	3455.8	3412.4	3346.0	3251.9	3167.2	3081.2	2962.9	2834.8	2707.4	2573.0	2404.3
50°	4002.7	3936.6	3845.9	3736.4	3647.7	3530.5	3398.7	3243.3	3110.6	2956.9	2771.0
47.5°	4552.3	4509.3	4402.4	4275.3	4193.0	4057.0	3894.7	3720.8	3574.3	3365.2	3162.7
45°	5247.7	5169.2	5049.5	4940.2	4811.4	4660.2	4453.3	4287.1	4091.2	3862.9	3569.5
42.5°	6062.4	5949.0	5793.7	5701.8	5547.2	5348.1	5117.8	4908.5	4664.2	4397.3	4060.1
40°	7049.9	6863.0	6705.2	6557.3	6381.1	6118.4	5863.2	5584.5	5292.4	4963.9	4525.2
37.5°	8184.2	7986.0	7753.3	7508.8	7281.3	6981.5	6639.9	6311.7	5960.6	5466.5	4966.3
35°	9365.2	9139.1	8851.8	8555.4	8202.0	7782.0	7429.4	7042.4	6563.0	5921.8	5374.4
32.5°	10531.5	10160.2	9848.9	9529.0	8999.8	8481.2	8101.8	7757.9	7343.8	6822.2	6282.9
30°	11374.7	10904.8	10589.4	10151.3	9487.1	9015.0	8654.3	7940.4	7182.7	6533.5	6012.2
27.5°	11559.1	11211.4	10891.2	10233.7	9661.8	9244.3	8680.5	7952.8	7263.8	6652.8	6148.2
25°	11204.8	10887.2	10497.7	9951.1	9473.6	9044.6	8452.6	7793.5	7175.2	6636.6	6070.1
22.5°	10532.0	10241.7	9887.1	9460.5	9055.6	8618.0	8096.3	7525.0	6993.1	6488.9	5940.6
20°	9889.1	9627.9	9299.2	8961.1	8613.0	8197.9	7702.7	7235.7	6802.8	6314.6	5784.9
17.5°	9383.8	9113.7	8855.6	8562.5	8205.9	7781.8	7425.5	7040.7	6613.0	6128.0	5607.2
15°	8962.5	8759.1	8513.1	8204.3	7877.0	7575.1	7236.3	6842.8	6416.7	5926.3	5441.4
12.5°	8705.3	8487.9	8219.2	7977.5	7704.9	7388.9	7039.8	6638.5	6231.0	5820.4	5385.6
10°	8499.6	8293.8	8072.3	7818.0	7530.1	7202.4	6875.7	6526.9	6147.5	5744.4	5314.1
7.5°	8367.8	8155.5	7919.5	7671.6	7395.4	7100.9	6780.5	6433.4	6050.3	5648.0	5226.1
5°	8239.7	8028.3	7801.6	7563.4	7281.2	6987.2	6670.1	6322.1	5937.4	5531.4	5120.8
2.5°	8093.3	7893.2	7674.6	7436.5	7149.6	6856.3	6543.5	6191.2	5812.2	5422.0	5000.9
0°	7928.5	7744.3	7508.9	7269.3	6999.1	6712.5	6399.3	6039.0	5668.5	5300.0	4861.9
-2.5°	7771.9	7575.8	7358.4	7120.6	6861.8	6565.1	6253.8	5905.3	5526.9	5154.5	4726.1
-5°	7580.7	7390.1	7171.8	6923.5	6662.6	6369.8	6060.5	5723.7	5351.5	4983.2	4573.9
-7.5°	7334.5	7151.4	6945.1	6698.0	6431.7	6139.2	5826.3	5489.9	5127.4	4763.0	4365.2
-10°	7038.8	6844.1	6634.4	6404.1	6154.6	5878.3	5568.9	5233.0	4884.1	4521.3	4138.8
-12.5°	6692.0	6506.8	6296.9	6071.7	5825.8	5555.5	5269.1	4948.6	4622.4	4257.9	3895.0
-15°	6322.9	6160.0	5953.2	5717.5	5466.2	5210.1	4938.2	4632.6	4331.3	3974.7	3634.1
-17.5°	5969.3	5789.9	5586.0	5368.4	5116.4	4847.1	4584.2	4304.1	4012.7	3687.8	3376.1
-20°	5572.5	5390.9	5201.8	4992.6	4752.4	4493.3	4225.4	3958.2	3684.5	3401.6	3118.4



REPORT NUMBER: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-935-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5124.6	4965.7	4786.9	4589.0	4354.0	4110.8	3865.2	3612.8	3353.9	3110.3	2856.2
-25°	4644.4	4500.3	4324.6	4137.5	3930.0	3710.3	3495.0	3270.8	3048.0	2819.6	2594.3
-27.5°	4125.3	3991.6	3839.4	3675.5	3491.9	3313.4	3123.1	2929.9	2749.9	2548.5	2351.8
-30°	3593.3	3489.3	3358.7	3204.5	3076.8	2927.9	2755.2	2617.7	2461.8	2289.3	2129.1
-32.5°	3081.3	2997.5	2890.1	2787.6	2680.7	2561.8	2443.8	2316.2	2180.1	2057.3	1926.2
-35°	2619.5	2549.6	2491.1	2414.3	2314.4	2235.4	2144.5	2039.8	1935.8	1837.1	1731.9
-37.5°	2239.3	2177.1	2133.4	2076.4	2006.7	1933.1	1873.5	1801.6	1716.2	1637.4	1552.1
-40°	1913.2	1861.4	1829.7	1795.4	1747.9	1679.2	1641.4	1587.8	1529.1	1453.3	1384.7
-42.5°	1652.0	1627.6	1591.5	1569.8	1532.5	1485.8	1437.3	1406.5	1359.5	1300.4	1244.3
-45°	1452.5	1436.8	1405.7	1384.1	1356.6	1319.7	1270.5	1247.3	1211.7	1170.7	1117.6
-47.5°	1292.7	1281.2	1258.2	1229.8	1208.6	1176.7	1142.2	1109.5	1088.7	1053.5	1010.0
-50°	1160.2	1149.2	1128.7	1100.4	1081.0	1056.7	1029.4	997.0	977.3	947.4	911.2
-52.5°	1046.0	1032.0	1013.8	990.4	971.5	954.7	930.3	900.5	874.6	854.1	827.6
-55°	938.2	926.3	914.2	897.4	876.9	860.4	837.5	811.7	790.4	772.7	749.9
-57.5°	847.5	836.8	823.6	807.6	789.0	772.8	755.6	735.7	713.6	697.0	675.8
-60°	755.3	743.9	734.3	722.3	707.7	692.9	678.9	661.8	641.5	625.1	606.7
-62.5°	669.5	660.2	652.2	642.6	630.8	617.7	605.1	590.8	574.1	557.0	541.6
-65°	588.6	582.1	575.1	566.8	557.0	545.9	535.1	523.0	509.5	494.3	479.9
-67.5°	510.4	504.7	498.8	492.6	485.8	478.1	469.5	459.1	447.8	435.5	423.3
-70°	436.1	430.6	425.9	422.2	418.2	413.0	406.2	398.1	388.9	379.2	368.4
-72.5°	366.4	362.6	359.6	357.6	354.2	350.0	345.0	339.3	332.7	325.2	315.1
-75°	302.1	300.2	298.1	296.5	293.9	290.2	286.1	282.0	276.7	270.2	262.0
-77.5°	243.1	241.8	240.0	238.5	236.0	232.5	228.5	225.4	221.8	216.8	210.5
-80°	188.2	187.5	186.3	185.1	183.4	181.1	178.4	175.3	171.1	166.3	161.7
-82.5°	138.8	137.8	136.6	135.6	134.1	132.0	129.6	127.2	124.5	121.4	118.0
-85°	88.8	88.5	88.0	87.1	86.1	85.0	83.9	82.9	81.6	80.0	78.2
-87.5°	39.4	39.2	39.0	40.0	40.8	41.5	41.9	41.4	40.8	40.0	39.1
-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: P559058 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-935-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°	29.7	29.0	28.0	27.0	26.4	25.6	24.6	23.4	21.3	19.3	17.1
85°	79.4	74.6	69.1	63.1	57.3	51.2	49.2	46.7	42.7	38.5	34.1
82.5°	148.2	141.0	133.6	125.2	116.0	106.3	96.1	85.1	71.7	58.8	51.1
80°	233.9	221.9	208.7	194.3	178.4	161.4	147.3	132.0	113.1	94.8	77.2
77.5°	331.5	311.2	289.2	270.3	250.9	229.8	207.1	181.5	154.0	130.3	107.6
75°	440.2	414.6	388.2	359.5	329.0	298.2	271.3	240.0	202.8	166.4	137.6
72.5°	575.5	535.8	494.9	452.8	416.3	378.6	340.0	297.6	253.8	211.0	169.4
70°	720.3	665.6	614.2	563.6	511.0	459.0	414.0	361.6	304.1	254.9	207.1
67.5°	874.5	814.7	749.4	677.7	614.4	552.8	489.7	426.2	361.9	298.0	244.1
65°	1049.5	974.0	892.4	813.7	729.8	647.6	577.0	493.2	418.5	348.0	280.2
62.5°	1242.0	1143.4	1054.7	955.7	857.5	760.6	661.3	566.9	475.7	396.7	320.5
60°	1460.1	1352.0	1227.4	1116.6	998.2	879.3	761.4	638.3	538.7	444.2	361.7
57.5°	1700.0	1572.9	1439.6	1293.2	1154.2	1013.5	861.2	719.8	599.4	495.7	401.3
55°	1950.8	1808.0	1657.5	1496.4	1324.6	1162.3	966.2	803.2	660.8	546.7	438.1
52.5°	2231.7	2060.9	1887.2	1705.6	1516.6	1306.8	1082.8	881.8	729.7	595.4	477.2
50°	2555.2	2341.7	2135.6	1926.8	1711.1	1458.8	1191.8	975.9	794.3	644.6	514.4
47.5°	2924.3	2665.1	2409.6	2159.1	1920.5	1599.9	1311.8	1065.6	854.4	697.0	549.0
45°	3306.5	3020.9	2711.5	2421.7	2090.6	1742.8	1428.7	1148.2	927.2	742.7	581.0
42.5°	3690.2	3381.1	3049.1	2686.7	2265.4	1878.1	1535.4	1241.1	994.2	784.6	614.5
40°	4116.3	3740.2	3385.7	2932.9	2424.2	2001.2	1645.2	1328.1	1054.5	826.9	648.0
37.5°	4522.7	4106.8	3717.1	3120.7	2569.5	2127.2	1745.5	1406.1	1109.7	872.6	678.4
35°	4902.0	4462.1	3884.1	3273.5	2713.7	2233.9	1834.3	1479.5	1168.3	912.9	705.8
32.5°	5248.0	4689.9	4012.1	3392.7	2828.0	2321.0	1914.8	1544.9	1218.5	947.7	729.9
30°	5483.9	4775.0	4100.0	3478.9	2913.2	2405.4	1980.5	1599.2	1260.2	977.0	752.4
27.5°	5496.3	4814.6	4147.1	3532.6	2971.9	2467.2	2030.3	1642.3	1293.5	1004.2	775.7
25°	5453.2	4797.2	4154.0	3552.5	3003.0	2517.9	2068.6	1674.7	1324.2	1030.8	794.7
22.5°	5352.5	4735.4	4122.6	3539.0	3037.1	2552.8	2100.2	1702.4	1348.9	1050.7	809.5
20°	5225.2	4635.1	4070.0	3552.2	3054.3	2575.2	2124.0	1720.2	1364.9	1064.3	820.2
17.5°	5069.2	4555.5	4061.2	3549.7	3054.2	2581.8	2134.7	1728.5	1372.5	1071.7	826.9
15°	4997.5	4524.2	4034.6	3530.8	3037.4	2573.2	2132.8	1727.4	1372.0	1073.2	831.6
12.5°	4939.9	4475.1	3991.3	3495.5	3004.4	2549.9	2118.7	1717.1	1363.7	1073.2	835.1
10°	4867.0	4408.1	3931.5	3443.9	2955.8	2512.7	2092.9	1701.5	1359.6	1071.5	835.3
7.5°	4778.1	4323.4	3855.2	3376.3	2897.3	2471.0	2066.6	1684.1	1351.0	1065.1	832.4
5°	4675.0	4230.0	3773.3	3311.6	2852.8	2426.9	2031.7	1658.3	1336.6	1054.5	826.6
2.5°	4563.5	4133.5	3681.5	3233.3	2796.6	2372.0	1987.4	1624.8	1316.8	1039.9	817.9
0°	4434.1	4020.6	3574.3	3140.3	2728.8	2307.1	1934.5	1584.5	1291.7	1021.5	806.6
-2.5°	4320.4	3896.5	3458.8	3039.4	2629.9	2229.4	1876.9	1543.9	1263.9	1003.4	794.7
-5°	4188.3	3756.4	3329.7	2925.5	2520.7	2143.5	1812.3	1498.1	1231.7	982.2	780.5
-7.5°	3994.1	3585.1	3182.7	2797.6	2402.6	2050.8	1741.7	1447.6	1195.4	958.0	764.2
-10°	3775.4	3391.2	3016.1	2653.1	2287.7	1959.4	1667.2	1393.2	1155.6	931.2	745.9
-12.5°	3544.2	3186.9	2840.4	2501.6	2169.4	1869.2	1595.8	1339.7	1113.2	901.9	725.7
-15°	3302.1	2974.0	2656.8	2344.8	2047.1	1774.4	1520.9	1285.1	1071.4	871.9	703.9
-17.5°	3055.7	2754.0	2466.9	2184.6	1922.3	1676.0	1443.5	1227.8	1027.4	841.9	682.2
-20°	2830.8	2548.6	2273.3	2022.5	1796.4	1574.6	1364.3	1168.1	981.3	810.3	660.1



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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°	2606.6	2359.0	2110.4	1871.9	1672.9	1471.1	1284.0	1106.6	933.8	777.3	636.5
-25°	2383.3	2170.6	1951.4	1746.6	1553.3	1375.0	1206.4	1043.6	885.0	743.2	611.4
-27.5°	2173.0	1986.8	1791.7	1621.2	1448.7	1280.4	1131.6	983.8	837.7	708.0	585.1
-30°	1972.3	1811.3	1648.4	1498.4	1345.3	1197.9	1056.6	924.2	794.6	674.1	557.5
-32.5°	1786.9	1638.0	1511.7	1384.4	1250.2	1116.1	987.1	864.9	751.3	640.2	531.7
-35°	1614.5	1490.1	1379.1	1274.1	1158.4	1041.8	923.6	806.2	708.0	605.4	506.3
-37.5°	1450.5	1358.9	1263.8	1170.5	1067.2	968.9	863.7	757.7	664.8	569.7	480.4
-40°	1315.6	1237.4	1158.0	1072.5	986.2	897.7	803.6	711.8	622.8	533.1	454.0
-42.5°	1187.0	1126.3	1057.8	977.3	910.9	831.8	744.4	665.0	582.2	500.3	427.3
-45°	1072.6	1021.1	962.8	902.3	838.8	766.7	692.2	617.9	541.5	469.4	401.4
-47.5°	964.9	926.6	879.1	828.6	770.0	704.0	639.5	572.9	500.9	438.4	376.7
-50°	874.1	841.0	802.9	757.1	702.5	646.6	587.7	528.1	466.7	407.9	351.4
-52.5°	795.2	763.7	729.6	687.4	640.9	589.1	539.9	484.2	431.9	378.4	325.7
-55°	721.2	690.3	659.1	623.0	581.3	538.0	492.7	445.3	396.5	349.0	299.9
-57.5°	651.3	621.2	594.4	562.0	527.0	489.3	448.4	405.8	362.7	319.1	277.0
-60°	584.1	559.6	533.2	506.5	476.1	441.8	405.1	367.0	329.1	289.6	253.8
-62.5°	522.4	500.3	478.4	454.2	426.2	395.3	362.2	329.8	295.1	263.0	230.2
-65°	464.4	446.1	425.2	402.4	376.9	349.9	322.0	292.4	264.4	236.2	206.6
-67.5°	409.0	392.1	372.0	350.9	330.6	307.9	281.9	258.1	234.3	209.0	183.2
-70°	355.0	338.6	321.7	305.6	287.3	266.6	245.9	225.1	204.0	183.0	159.7
-72.5°	302.9	290.0	276.4	261.8	246.0	228.9	210.6	192.6	175.8	156.9	136.1
-75°	252.1	242.3	231.7	219.9	206.1	191.3	177.1	162.5	147.5	130.8	115.1
-77.5°	203.4	195.7	187.4	178.8	168.2	156.9	144.9	132.4	120.2	108.0	95.1
-80°	157.5	152.6	147.0	140.4	131.7	122.5	113.8	104.9	95.6	85.5	74.9
-82.5°	114.8	111.4	107.6	103.0	97.1	91.0	84.7	78.3	70.9	63.0	55.2
-85°	75.9	73.2	70.1	66.6	63.0	59.3	55.7	51.8	46.9	42.0	36.9
-87.5°	37.7	36.2	34.6	32.9	31.3	29.7	27.9	25.9	23.5	21.0	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°	14.8	12.5	10.1	7.7	5.2	2.5	0.0
85°	29.6	25.0	20.2	15.4	10.3	5.1	0.0
82.5°	44.4	37.5	30.3	23.0	15.5	7.6	0.0
80°	60.4	49.9	40.4	30.6	20.6	10.1	0.0
77.5°	85.8	65.0	50.3	38.1	25.7	12.6	0.0
75°	110.8	85.3	61.2	45.6	30.7	15.1	0.0
72.5°	135.5	105.2	76.7	53.0	35.6	17.5	0.0
70°	160.6	124.8	91.9	61.1	40.5	19.9	0.0
67.5°	191.3	143.9	106.7	71.9	45.3	22.3	0.0
65°	221.2	165.2	121.3	82.5	50.0	24.6	0.0
62.5°	250.0	188.4	135.4	92.8	54.6	26.9	0.0
60°	277.8	210.7	149.1	102.8	59.1	29.1	0.0
57.5°	309.3	232.2	165.6	112.6	65.4	31.3	0.0
55°	339.8	252.8	181.6	122.0	71.5	33.4	0.0
52.5°	368.7	273.0	196.9	131.0	77.5	35.4	0.0
50°	395.9	295.2	211.5	139.7	83.2	37.3	0.0
47.5°	421.9	316.0	225.3	148.5	88.8	39.2	0.0
45°	449.0	335.4	238.2	158.1	94.1	41.0	0.0
42.5°	473.9	353.4	250.4	167.3	99.1	42.8	0.0
40°	496.7	369.9	262.7	176.0	103.9	44.4	0.0
37.5°	517.2	385.0	275.0	184.2	108.5	46.0	0.0
35°	535.5	400.0	286.2	191.9	112.8	47.4	0.0
32.5°	553.1	414.0	296.4	199.0	116.8	48.8	0.0
30°	571.9	426.4	305.4	205.6	120.5	50.1	0.0
27.5°	588.2	437.0	314.0	211.7	123.9	51.3	0.0
25°	602.0	446.0	321.6	217.1	127.1	52.3	0.0
22.5°	613.2	453.8	328.2	222.0	129.9	53.3	0.0
20°	621.9	461.5	333.6	226.3	132.4	54.2	0.0
17.5°	629.8	467.9	338.0	230.0	134.7	54.9	0.0
15°	636.1	473.0	341.4	233.1	136.6	55.6	0.0
12.5°	640.0	476.6	343.8	235.7	138.2	56.2	0.0
10°	641.6	479.0	345.3	237.6	139.4	56.6	0.0
7.5°	640.9	479.9	345.7	238.9	140.4	56.9	0.0
5°	638.0	479.6	345.3	239.7	141.0	57.2	0.0
2.5°	633.2	477.9	344.0	239.9	141.3	57.3	0.0
0°	626.4	474.9	341.9	239.5	141.3	57.3	0.0
-2.5°	619.2	470.4	340.2	238.4	141.0	57.4	0.0
-5°	610.3	464.7	337.8	236.8	140.3	57.4	0.0
-7.5°	599.8	457.9	334.6	234.6	139.3	57.2	0.0
-10°	587.8	450.0	330.6	231.9	138.1	57.0	0.0
-12.5°	574.3	441.1	325.9	228.7	136.5	56.6	0.0
-15°	559.4	431.4	320.4	224.9	134.7	56.1	0.0
-17.5°	543.2	420.8	314.3	220.7	132.6	55.5	0.0
-20°	526.5	409.4	307.4	216.1	130.2	54.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	509.7	397.4	299.8	211.0	127.5	54.0	0.0
-25°	491.9	385.5	291.6	205.4	124.6	53.1	0.0
-27.5°	473.2	372.9	282.7	199.4	121.5	52.1	0.0
-30°	453.6	359.6	273.2	193.1	118.1	51.0	0.0
-32.5°	433.3	345.6	263.4	186.3	114.5	49.7	0.0
-35°	414.3	330.9	253.1	179.2	110.6	48.4	0.0
-37.5°	395.6	316.0	242.3	171.8	106.6	47.0	0.0
-40°	376.1	301.7	231.1	164.0	102.4	45.4	0.0
-42.5°	356.0	287.0	219.9	155.9	98.0	43.8	0.0
-45°	335.3	271.8	208.7	147.6	93.4	42.1	0.0
-47.5°	314.0	256.1	197.2	139.0	88.6	40.2	0.0
-50°	294.6	240.1	185.3	131.2	83.7	38.4	0.0
-52.5°	275.1	223.7	173.0	123.6	78.6	36.4	0.0
-55°	255.4	207.9	160.4	115.8	73.4	34.3	0.0
-57.5°	235.3	191.9	147.5	107.7	68.1	32.2	0.0
-60°	215.1	175.5	134.4	99.5	62.6	30.0	0.0
-62.5°	195.3	158.8	123.2	91.1	57.9	27.7	0.0
-65°	175.2	141.8	111.9	82.4	53.1	25.4	0.0
-67.5°	154.8	126.1	100.3	73.7	48.2	23.0	0.0
-70°	134.2	111.6	88.6	64.8	43.1	20.6	0.0
-72.5°	116.4	97.0	76.7	56.7	38.0	18.1	0.0
-75°	98.9	82.2	64.7	48.8	32.7	15.6	0.0
-77.5°	81.3	67.2	53.8	40.8	27.4	13.1	0.0
-80°	63.6	53.4	43.2	32.7	22.0	10.5	0.0
-82.5°	47.6	40.1	32.5	24.6	16.5	7.9	0.0
-85°	31.8	26.8	21.7	16.4	11.1	5.3	0.0
-87.5°	15.9	13.4	10.8	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)