

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: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-940-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558938 (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-SA4C-940-U-WAF-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

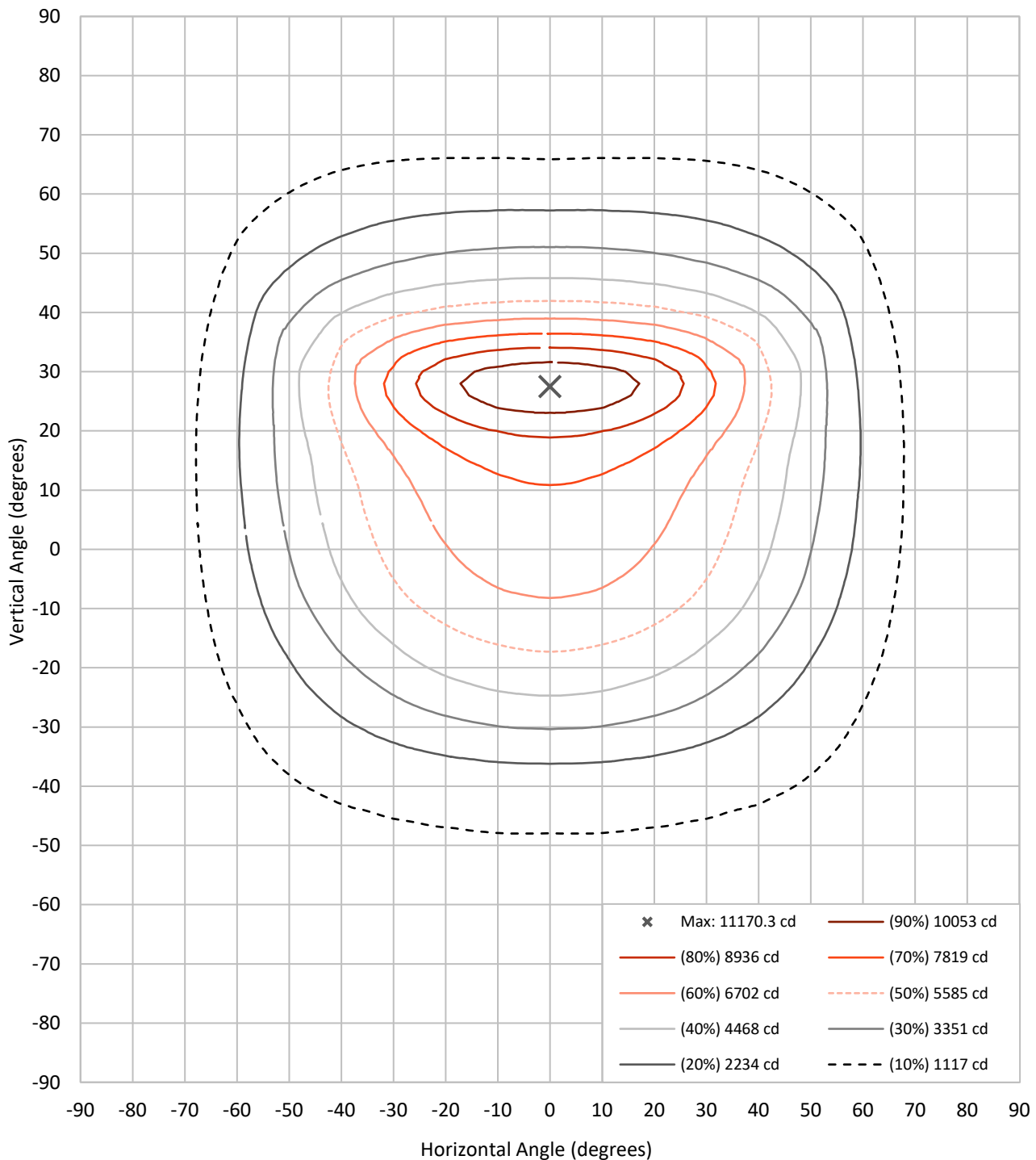
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	16284.3 lumens	Max Intensity:	11170.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	99.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	8445.8 lumens	Field Lumens:	15064.4 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 164
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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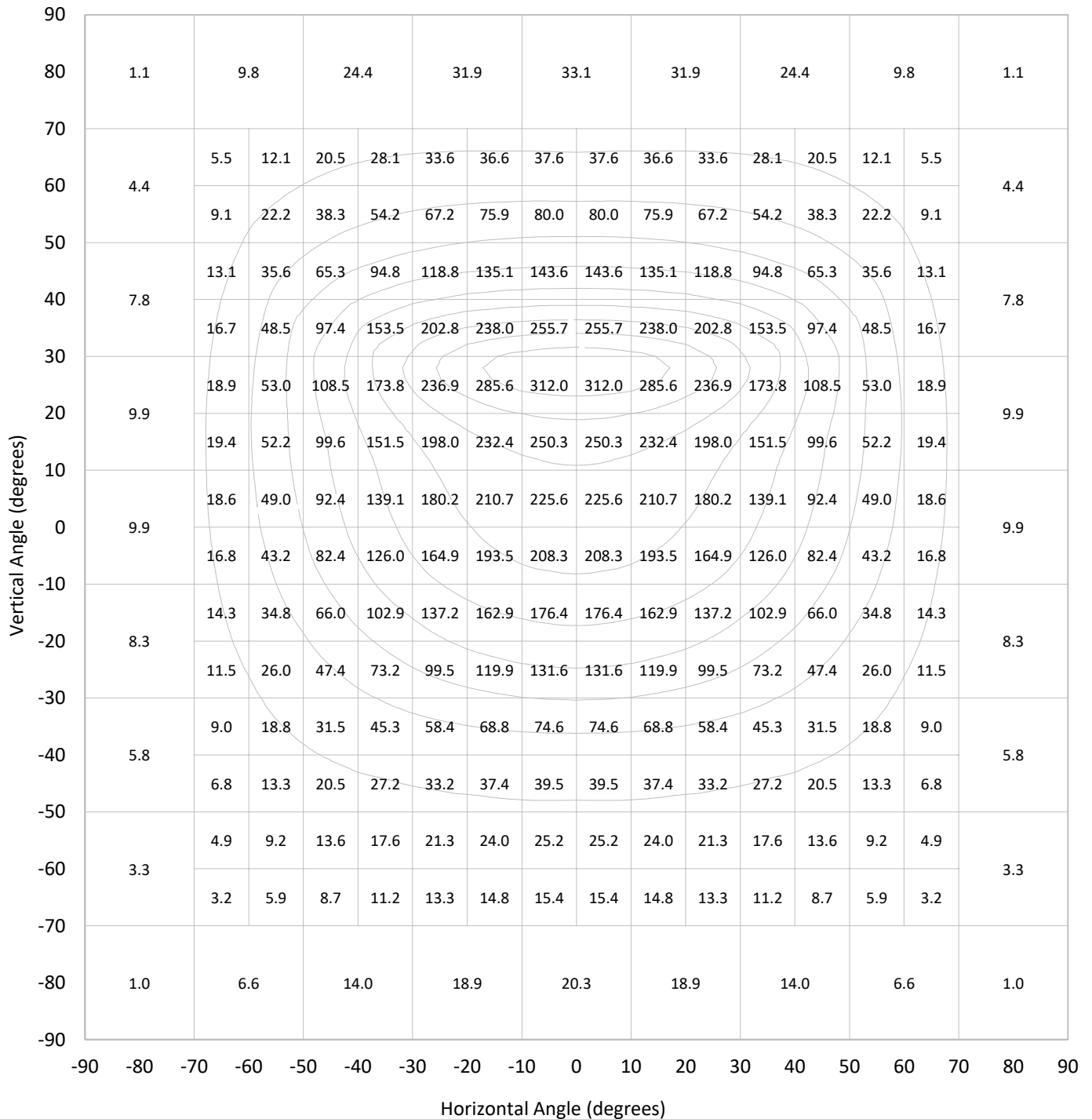
Iso-Candela Plot





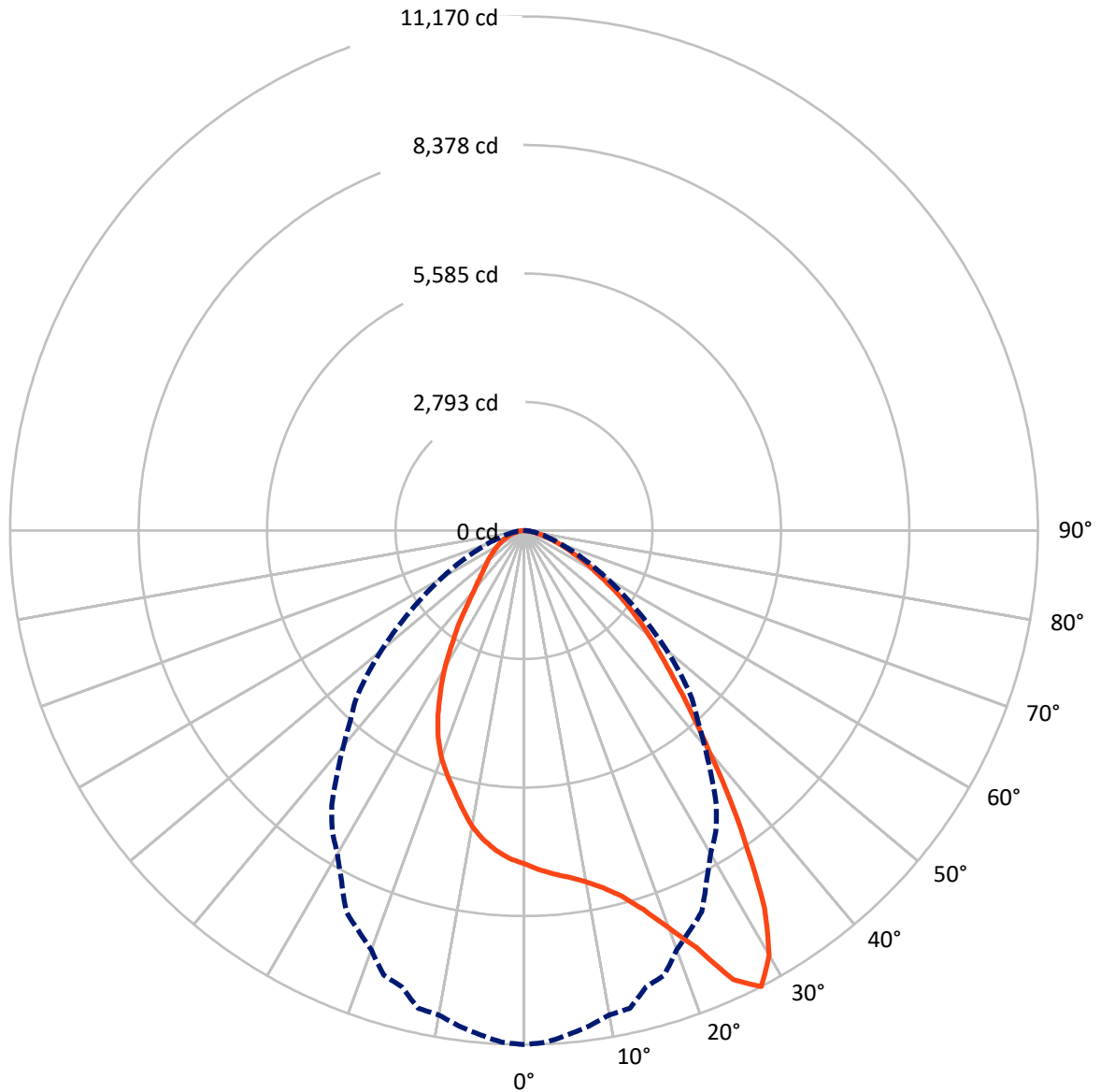
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Lumen Table



REPORT NUMBER: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
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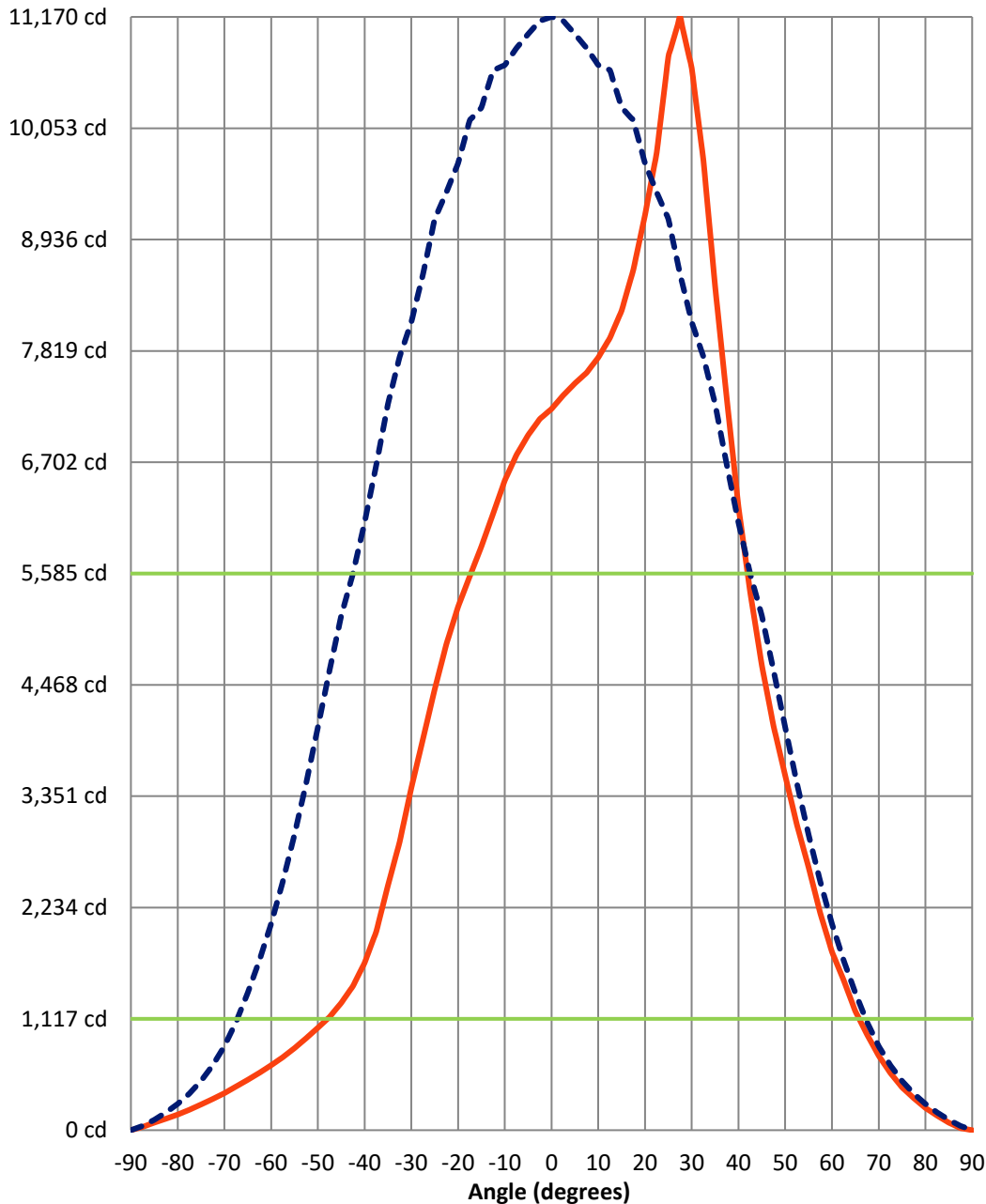
Luminous Intensity Polar Plot



— 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: 8445.8
 Efficiency: 51.9%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 15064.4
 Efficiency: 92.5%

Spill:
 Lumens: 1219.9
 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	2.1	4.3	6.4	8.5	10.5	12.4	14.3	16.2	17.9	19.6
85°	0.0	4.3	8.7	12.9	17.0	21.0	24.9	28.6	32.3	35.8	39.2
82.5°	0.0	6.4	13.0	19.3	25.4	31.4	37.3	42.9	49.4	60.2	71.4
80°	0.0	8.5	17.3	25.7	33.9	41.8	50.7	64.8	79.5	94.9	110.8
77.5°	0.0	10.6	21.5	32.0	42.2	54.6	72.0	90.3	109.4	129.2	152.3
75°	0.0	12.7	25.7	38.3	51.4	71.6	93.0	115.5	139.7	170.2	201.4
72.5°	0.0	14.7	29.9	44.5	64.3	88.3	113.7	142.2	177.1	213.0	249.8
70°	0.0	16.7	34.0	51.2	77.1	104.7	134.8	173.9	214.0	255.3	303.5
67.5°	0.0	18.7	38.0	60.3	89.6	120.8	160.6	204.9	250.2	303.8	357.8
65°	0.0	20.6	41.9	69.2	101.8	138.7	185.7	235.3	292.1	351.3	414.0
62.5°	0.0	22.6	45.8	77.9	113.7	158.1	209.9	269.0	333.0	399.3	475.9
60°	0.0	24.4	49.5	86.3	125.2	176.9	233.2	303.6	372.8	452.1	535.7
57.5°	0.0	26.2	54.8	94.5	139.0	195.0	259.6	336.9	416.1	503.1	604.1
55°	0.0	28.0	60.0	102.4	152.5	212.2	285.3	367.7	458.9	554.7	674.2
52.5°	0.0	29.7	65.0	110.0	165.3	229.2	309.5	400.6	499.8	612.4	740.2
50°	0.0	31.3	69.8	117.3	177.5	247.8	332.3	431.8	541.0	666.7	819.1
47.5°	0.0	32.9	74.5	124.7	189.1	265.2	354.1	460.8	585.1	717.1	894.4
45°	0.0	34.4	78.9	132.8	200.0	281.6	376.8	487.7	623.4	778.2	963.7
42.5°	0.0	35.9	83.2	140.4	210.2	296.7	397.8	515.7	658.6	834.5	1041.7
40°	0.0	37.3	87.2	147.7	220.5	310.5	416.9	543.9	694.1	885.1	1114.7
37.5°	0.0	38.6	91.1	154.6	230.8	323.1	434.1	569.4	732.4	931.4	1180.1
35°	0.0	39.8	94.7	161.1	240.3	335.7	449.4	592.4	766.2	980.6	1241.8
32.5°	0.0	40.9	98.0	167.1	248.8	347.5	464.2	612.7	795.4	1022.7	1296.7
30°	0.0	42.0	101.1	172.6	256.4	357.9	480.0	631.5	820.0	1057.7	1342.3
27.5°	0.0	43.0	104.0	177.7	263.6	366.8	493.7	651.1	842.9	1085.7	1378.5
25°	0.0	43.9	106.7	182.3	270.0	374.3	505.3	667.1	865.1	1111.4	1405.7
22.5°	0.0	44.7	109.0	186.4	275.4	380.9	514.7	679.5	881.9	1132.2	1428.9
20°	0.0	45.5	111.2	190.0	280.0	387.4	522.0	688.5	893.3	1145.6	1443.9
17.5°	0.0	46.1	113.0	193.1	283.7	392.7	528.6	694.1	899.5	1152.0	1450.8
15°	0.0	46.7	114.6	195.7	286.6	397.0	534.0	698.0	900.8	1151.5	1449.9
12.5°	0.0	47.1	116.0	197.8	288.6	400.0	537.2	700.9	900.8	1144.7	1441.3
10°	0.0	47.5	117.0	199.4	289.7	402.0	538.5	701.1	899.3	1141.2	1428.2
7.5°	0.0	47.8	117.8	200.5	290.1	402.8	538.0	698.7	894.0	1134.0	1413.6
5°	0.0	48.0	118.4	201.2	289.8	402.5	535.6	693.8	885.1	1121.9	1391.9
2.5°	0.0	48.1	118.6	201.3	288.7	401.1	531.5	686.5	872.8	1105.2	1363.7
0°	0.0	48.1	118.6	201.0	286.9	398.6	525.8	677.0	857.4	1084.2	1329.9
-2.5°	0.0	48.2	118.3	200.1	285.5	394.8	519.8	667.0	842.2	1060.9	1295.9
-5°	0.0	48.1	117.8	198.7	283.5	390.0	512.3	655.1	824.4	1033.8	1257.4
-7.5°	0.0	48.0	117.0	196.9	280.8	384.3	503.5	641.4	804.1	1003.4	1215.0
-10°	0.0	47.8	115.9	194.6	277.5	377.7	493.4	626.1	781.6	970.0	1169.3
-12.5°	0.0	47.5	114.6	191.9	273.5	370.2	482.1	609.2	757.0	934.4	1124.5
-15°	0.0	47.1	113.0	188.8	268.9	362.1	469.6	590.9	731.9	899.3	1078.7
-17.5°	0.0	46.6	111.2	185.3	263.8	353.2	456.0	572.6	706.7	862.3	1030.5
-20°	0.0	46.0	109.2	181.3	258.0	343.7	441.9	554.1	680.2	823.7	980.5



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 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	45.4	107.0	177.0	251.6	333.6	427.8	534.3	652.5	783.8	928.8
-25°	0.0	44.6	104.6	172.4	244.7	323.5	412.9	513.2	623.8	742.8	876.0
-27.5°	0.0	43.7	101.9	167.4	237.3	313.0	397.2	491.1	594.3	703.1	825.8
-30°	0.0	42.8	99.1	162.0	229.3	301.9	380.8	467.9	565.8	666.9	775.8
-32.5°	0.0	41.7	96.1	156.4	221.1	290.1	363.7	446.3	537.4	630.6	726.0
-35°	0.0	40.6	92.9	150.4	212.5	277.7	347.8	425.0	508.2	594.2	676.7
-37.5°	0.0	39.4	89.5	144.1	203.4	265.3	332.0	403.2	478.2	558.1	636.0
-40°	0.0	38.1	85.9	137.6	193.9	253.3	315.7	381.1	447.5	522.8	597.4
-42.5°	0.0	36.8	82.2	130.8	184.5	240.9	298.8	358.7	419.9	488.7	558.2
-45°	0.0	35.3	78.4	123.9	175.2	228.1	281.5	337.0	394.0	454.5	518.6
-47.5°	0.0	33.8	74.4	116.6	165.5	215.0	263.6	316.2	368.0	420.4	480.9
-50°	0.0	32.2	70.3	110.1	155.5	201.6	247.3	295.0	342.5	391.7	443.3
-52.5°	0.0	30.5	66.0	103.7	145.2	187.8	230.9	273.4	317.7	362.5	406.4
-55°	0.0	28.8	61.6	97.2	134.6	174.5	214.4	251.8	293.0	332.9	373.7
-57.5°	0.0	27.0	57.1	90.4	123.8	161.0	197.5	232.5	267.9	304.5	340.7
-60°	0.0	25.2	52.6	83.5	112.8	147.3	180.6	213.1	243.1	276.2	308.0
-62.5°	0.0	23.3	48.6	76.4	103.4	133.3	163.9	193.3	220.8	247.7	276.8
-65°	0.0	21.3	44.6	69.2	93.9	119.0	147.1	173.4	198.3	221.9	245.4
-67.5°	0.0	19.3	40.4	61.8	84.2	105.8	130.0	153.8	175.5	196.7	216.7
-70°	0.0	17.3	36.2	54.4	74.3	93.7	112.7	134.1	153.6	171.3	189.0
-72.5°	0.0	15.2	31.9	47.6	64.4	81.4	97.7	114.3	131.8	147.6	161.7
-75°	0.0	13.1	27.5	41.0	54.3	68.9	83.1	96.7	109.8	123.8	136.4
-77.5°	0.0	11.0	23.0	34.2	45.2	56.4	68.2	79.8	90.7	100.9	111.1
-80°	0.0	8.8	18.5	27.5	36.2	44.8	53.3	62.8	71.8	80.2	88.0
-82.5°	0.0	6.6	13.9	20.6	27.2	33.7	39.9	46.3	52.8	59.4	65.6
-85°	0.0	4.4	9.3	13.8	18.2	22.5	26.6	30.9	35.2	39.4	43.5
-87.5°	0.0	2.2	4.6	6.9	9.1	11.2	13.3	15.5	17.6	19.7	21.8
-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: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.6	21.5	22.2	22.7	23.5	24.3	25.0	25.5	26.0	26.3	26.6
85°	41.3	43.0	48.1	52.9	58.0	62.6	66.7	70.3	73.2	75.5	77.4
82.5°	80.6	89.2	97.4	105.1	112.1	118.4	124.4	131.3	136.9	141.5	145.3
80°	123.7	135.4	149.7	163.1	175.2	186.3	196.4	205.4	212.5	219.6	226.5
77.5°	173.8	192.9	210.6	227.0	242.8	261.2	278.3	293.9	306.0	315.1	322.0
75°	227.8	250.3	276.2	301.8	325.8	348.0	369.5	395.7	417.0	433.0	445.8
72.5°	285.3	317.8	349.4	380.0	415.3	449.7	483.0	515.2	543.5	564.2	581.0
70°	347.5	385.2	428.9	473.0	515.5	558.6	604.5	646.4	681.0	705.4	728.8
67.5°	411.1	464.0	515.6	568.8	629.0	683.8	733.9	786.9	833.5	864.2	891.1
65°	484.3	543.5	612.5	683.0	749.0	817.5	880.9	938.3	997.2	1040.0	1075.1
62.5°	555.0	638.4	719.8	802.2	885.2	959.7	1042.5	1116.4	1175.5	1236.7	1289.2
60°	639.0	738.1	837.8	937.2	1030.2	1134.8	1225.6	1311.4	1390.5	1458.7	1523.2
57.5°	722.9	850.7	968.8	1085.4	1208.3	1320.2	1426.9	1523.0	1617.6	1696.6	1774.0
55°	811.0	975.6	1111.8	1255.9	1391.2	1517.5	1637.4	1757.8	1858.6	1967.4	2062.1
52.5°	908.9	1096.9	1272.9	1431.6	1584.0	1729.8	1873.2	2018.1	2159.6	2272.4	2379.4
50°	1000.3	1224.4	1436.2	1617.2	1792.4	1965.5	2144.7	2325.8	2481.8	2610.9	2722.2
47.5°	1101.0	1342.8	1611.9	1812.2	2022.5	2236.9	2454.5	2654.5	2824.5	3000.0	3123.0
45°	1199.1	1462.7	1754.7	2032.7	2275.9	2535.6	2775.2	2996.0	3242.3	3434.0	3598.3
42.5°	1288.6	1576.4	1901.4	2255.1	2559.2	2837.9	3097.3	3407.9	3690.8	3914.9	4119.9
40°	1380.8	1679.7	2034.7	2461.7	2841.8	3139.3	3455.0	3798.2	4166.4	4442.1	4687.3
37.5°	1465.1	1785.5	2156.7	2619.3	3119.9	3447.0	3796.1	4168.4	4588.3	5003.0	5297.7
35°	1539.6	1875.0	2277.7	2747.6	3260.1	3745.2	4114.5	4510.9	4970.5	5508.6	5911.0
32.5°	1607.2	1948.1	2373.6	2847.6	3367.6	3936.4	4404.8	4811.9	5272.9	5828.2	6511.5
30°	1662.3	2018.9	2445.2	2920.0	3441.4	4007.9	4602.8	5046.3	5483.8	6028.8	6664.7
27.5°	1704.1	2070.8	2494.4	2965.1	3480.8	4041.1	4613.3	5160.5	5584.0	6096.8	6675.1
25°	1736.2	2113.3	2520.6	2981.8	3486.6	4026.5	4577.1	5094.9	5570.4	6022.4	6541.4
22.5°	1762.8	2142.7	2549.2	2970.5	3460.3	3974.6	4492.5	4986.2	5446.5	5869.6	6316.1
20°	1782.7	2161.5	2563.6	2981.6	3416.1	3890.4	4385.7	4855.6	5300.1	5709.9	6073.2
17.5°	1791.7	2167.0	2563.6	2979.5	3408.7	3823.5	4254.8	4706.4	5143.5	5550.6	5909.6
15°	1790.1	2159.8	2549.5	2963.6	3386.4	3797.3	4194.6	4567.2	4974.2	5385.8	5743.4
12.5°	1778.3	2140.2	2521.7	2933.9	3350.1	3756.1	4146.3	4520.4	4885.3	5230.0	5571.9
10°	1756.7	2109.0	2480.9	2890.6	3299.9	3699.9	4085.1	4460.4	4821.5	5159.9	5478.3
7.5°	1734.5	2074.0	2431.9	2833.9	3235.8	3628.8	4010.5	4386.5	4740.6	5078.3	5399.8
5°	1705.3	2037.0	2394.5	2779.6	3167.0	3550.4	3923.9	4298.1	4642.8	4983.5	5306.4
2.5°	1668.1	1991.0	2347.3	2713.8	3090.0	3469.4	3830.3	4197.5	4550.9	4878.4	5196.5
0°	1623.7	1936.5	2290.4	2635.8	3000.0	3374.6	3721.7	4080.8	4448.5	4757.8	5068.8
-2.5°	1575.3	1871.2	2207.4	2551.1	2903.1	3270.5	3626.3	3966.8	4326.4	4639.0	4956.6
-5°	1521.1	1799.1	2115.7	2455.5	2794.7	3152.9	3515.4	3839.1	4182.6	4491.7	4804.1
-7.5°	1461.9	1721.3	2016.6	2348.1	2671.4	3009.2	3352.5	3663.9	3997.8	4303.6	4607.9
-10°	1399.3	1644.6	1920.2	2226.8	2531.5	2846.4	3168.9	3473.9	3794.9	4099.4	4392.2
-12.5°	1339.4	1568.9	1820.8	2099.7	2384.0	2674.9	2974.9	3269.2	3573.8	3879.8	4153.5
-15°	1276.6	1489.4	1718.2	1968.1	2230.0	2496.2	2771.7	3050.3	3336.1	3635.5	3888.3
-17.5°	1211.6	1406.7	1613.5	1833.6	2070.5	2311.6	2564.8	2833.8	3095.3	3368.0	3612.6
-20°	1145.1	1321.6	1507.8	1697.6	1908.0	2139.1	2376.1	2617.4	2855.1	3092.5	3322.2



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 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1077.7	1234.8	1404.2	1571.1	1771.3	1980.0	2187.9	2397.4	2610.6	2815.0	3032.3
-25°	1012.6	1154.1	1303.7	1466.0	1637.9	1821.8	2000.4	2177.5	2366.6	2558.3	2745.3
-27.5°	949.8	1074.6	1215.9	1360.7	1503.8	1667.6	1823.9	1974.0	2139.1	2308.1	2459.2
-30°	886.9	1005.5	1129.2	1257.7	1383.6	1520.3	1655.4	1787.0	1921.5	2066.3	2197.2
-32.5°	828.6	936.8	1049.3	1162.0	1268.9	1374.9	1499.8	1616.7	1726.8	1829.9	1944.1
-35°	775.3	874.5	972.3	1069.4	1157.5	1250.7	1355.2	1453.7	1541.9	1624.8	1712.1
-37.5°	725.0	813.3	895.7	982.5	1060.7	1140.6	1217.4	1302.7	1374.3	1440.5	1512.1
-40°	674.5	753.5	827.7	900.1	971.9	1038.6	1104.2	1162.2	1219.8	1283.4	1332.7
-42.5°	624.8	698.2	764.6	820.2	887.9	945.4	996.3	1044.4	1091.4	1141.1	1180.6
-45°	581.0	643.5	704.1	757.3	808.1	857.1	900.3	938.1	982.6	1017.0	1046.9
-47.5°	536.8	590.9	646.3	695.5	737.9	777.7	809.9	847.8	884.3	913.9	931.2
-50°	493.3	542.7	589.6	635.5	673.9	705.9	733.7	764.8	795.2	820.3	836.9
-52.5°	453.1	494.5	537.9	577.0	612.4	641.0	667.5	694.6	716.9	734.1	755.9
-55°	413.5	451.6	487.9	522.9	553.2	579.4	605.3	629.4	648.5	663.4	681.4
-57.5°	376.3	410.7	442.3	471.7	498.9	521.5	546.6	567.2	585.0	598.9	617.5
-60°	340.1	370.8	399.6	425.2	447.5	469.8	490.3	509.2	524.6	538.5	555.4
-62.5°	304.0	331.8	357.7	381.2	401.5	419.9	438.5	454.6	467.5	481.8	495.9
-65°	270.3	293.7	316.4	337.8	357.0	374.5	389.8	402.8	414.9	427.6	439.0
-67.5°	236.6	258.4	277.4	294.5	312.2	329.1	343.3	355.3	365.5	375.9	385.4
-70°	206.4	223.8	241.2	256.5	270.0	284.1	297.9	309.2	318.3	326.4	334.2
-72.5°	176.8	192.2	206.5	219.7	232.0	243.4	254.2	264.4	272.9	279.3	284.8
-75°	148.7	160.6	173.0	184.6	194.5	203.3	211.7	219.9	226.8	232.2	236.6
-77.5°	121.7	131.8	141.3	150.1	157.3	164.3	170.7	176.7	182.0	186.2	189.2
-80°	95.5	102.8	110.5	117.8	123.4	128.1	132.2	135.7	139.6	143.6	147.1
-82.5°	71.1	76.4	81.5	86.4	90.3	93.6	96.4	99.1	101.9	104.5	106.8
-85°	46.8	49.8	52.9	55.9	58.9	61.5	63.7	65.6	67.2	68.5	69.6
-87.5°	23.4	24.9	26.3	27.6	29.0	30.4	31.6	32.8	33.6	34.2	34.8
-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: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.7	26.8	26.8	26.7	26.5	25.4	24.2	22.9	21.5	22.2	22.8
85°	78.7	79.1	78.8	78.0	76.8	76.7	76.4	75.9	75.2	76.3	77.3
82.5°	148.2	149.3	149.5	148.8	147.3	147.9	148.2	147.9	147.0	148.1	148.7
80°	231.7	233.9	234.0	232.4	229.3	229.7	229.9	229.3	227.7	228.1	228.0
77.5°	330.0	335.1	336.9	336.2	333.0	332.1	329.8	325.3	318.7	318.6	318.8
75°	455.5	460.7	463.4	463.2	460.2	458.2	455.3	450.2	442.8	442.6	442.6
72.5°	594.0	601.6	605.1	608.2	608.1	607.0	603.3	595.6	584.2	582.9	584.3
70°	747.0	759.8	768.0	774.2	779.2	780.2	777.8	771.6	761.7	759.1	758.3
67.5°	917.3	937.9	953.4	963.8	973.6	980.6	983.3	980.5	972.4	969.7	970.8
65°	1108.2	1139.9	1166.2	1185.8	1199.0	1208.3	1216.4	1221.2	1222.4	1225.2	1229.0
62.5°	1331.2	1370.2	1406.7	1431.5	1444.3	1453.3	1479.5	1494.6	1498.9	1499.9	1505.6
60°	1580.2	1629.5	1675.0	1711.5	1741.1	1763.4	1785.7	1800.4	1805.9	1807.0	1815.0
57.5°	1852.5	1914.4	1967.6	2024.3	2063.7	2086.6	2116.4	2147.0	2163.1	2167.7	2186.6
55°	2153.7	2238.2	2307.3	2367.8	2422.9	2471.4	2512.4	2544.0	2567.4	2581.5	2606.4
52.5°	2486.9	2586.1	2658.3	2729.4	2808.4	2864.1	2900.5	2959.1	3001.4	3024.7	3054.5
50°	2852.6	2963.2	3061.6	3136.2	3228.1	3304.1	3359.6	3415.0	3453.8	3476.0	3504.8
47.5°	3269.0	3405.2	3519.4	3588.5	3695.2	3784.8	3820.9	3862.8	3935.8	3970.9	4001.8
45°	3737.8	3911.6	4038.5	4146.5	4238.3	4338.7	4404.6	4452.1	4524.1	4560.2	4583.0
42.5°	4295.6	4488.9	4656.0	4785.8	4862.9	4993.2	5088.4	5115.1	5217.1	5286.2	5306.6
40°	4921.2	5135.4	5355.9	5503.8	5627.9	5760.3	5917.3	6004.6	6090.8	6158.6	6174.0
37.5°	5573.1	5859.9	6111.5	6302.4	6507.7	6703.1	6869.4	6960.1	7016.6	7146.3	7194.7
35°	6235.8	6531.7	6884.2	7180.9	7429.7	7670.9	7860.6	8010.0	8152.3	8269.1	8339.0
32.5°	6800.2	7118.6	7553.9	7998.1	8266.7	8527.8	8839.5	9010.4	9200.3	9354.1	9466.4
30°	7263.9	7566.7	7962.9	8520.4	8888.1	9152.8	9547.3	9783.6	9990.4	10251.1	10341.8
27.5°	7285.9	7759.1	8109.5	8589.6	9141.4	9410.1	9702.1	10131.7	10262.0	10633.8	10687.3
25°	7094.6	7591.5	7951.6	8352.3	8811.2	9138.1	9404.7	9761.9	9948.9	10188.0	10371.6
22.5°	6795.5	7233.4	7600.8	7940.6	8298.6	8596.3	8839.9	9091.1	9296.3	9481.8	9654.1
20°	6465.2	6880.9	7229.2	7521.4	7805.2	8081.1	8300.3	8511.2	8688.7	8848.0	8946.0
17.5°	6232.6	6531.6	6887.6	7186.9	7432.9	7649.4	7876.2	8052.7	8208.5	8351.8	8441.4
15°	6073.7	6358.1	6611.5	6886.2	7145.4	7351.9	7522.6	7704.8	7839.4	7962.7	8059.8
12.5°	5908.9	6201.9	6467.1	6695.8	6898.8	7124.3	7306.8	7450.0	7591.2	7688.0	7787.8
10°	5771.1	6045.3	6320.4	6562.0	6775.5	6961.3	7134.1	7294.7	7421.5	7530.1	7608.7
7.5°	5691.2	5960.1	6207.3	6439.1	6647.2	6845.2	7023.4	7170.7	7296.3	7408.7	7491.0
5°	5598.6	5864.7	6111.4	6348.3	6548.3	6738.5	6916.0	7067.5	7197.5	7297.7	7376.4
2.5°	5492.3	5754.8	6001.0	6241.7	6441.6	6625.1	6793.1	6940.9	7076.3	7171.7	7238.8
0°	5371.2	5634.1	5874.7	6101.5	6302.5	6500.1	6654.7	6804.2	6936.5	7031.0	7098.1
-2.5°	5249.1	5510.4	5759.4	5976.7	6176.3	6358.7	6523.3	6664.4	6790.9	6885.0	6943.8
-5°	5086.8	5346.5	5592.2	5811.2	6019.7	6202.8	6362.8	6506.4	6628.2	6730.7	6810.5
-7.5°	4890.3	5152.9	5398.4	5621.9	5829.4	6002.5	6156.1	6300.8	6430.7	6542.8	6641.0
-10°	4674.2	4933.9	5165.8	5375.2	5568.6	5744.5	5908.0	6050.9	6170.0	6279.7	6362.4
-12.5°	4422.5	4663.0	4889.9	5096.3	5285.2	5461.4	5616.9	5753.0	5872.9	5970.2	6044.7
-15°	4144.8	4373.1	4588.0	4799.0	4996.8	5170.3	5307.1	5450.5	5554.4	5648.9	5716.0
-17.5°	3847.7	4068.4	4294.4	4506.0	4688.5	4859.7	5010.3	5141.3	5250.4	5337.0	5412.7
-20°	3546.6	3771.4	3988.9	4190.5	4366.1	4524.8	4677.2	4803.1	4914.9	5009.1	5097.9



REPORT NUMBER: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3244.2	3450.3	3654.5	3851.7	4017.9	4167.9	4301.3	4421.8	4520.4	4631.4	4709.8
-25°	2933.4	3114.2	3298.6	3472.7	3629.8	3777.3	3898.2	4003.8	4106.6	4213.8	4290.2
-27.5°	2621.3	2781.1	2930.8	3085.0	3222.6	3350.3	3462.6	3555.0	3654.8	3726.4	3810.4
-30°	2312.6	2457.5	2582.4	2689.7	2819.0	2928.7	3016.1	3107.9	3190.3	3258.7	3329.5
-32.5°	2051.2	2150.3	2250.0	2339.7	2425.8	2515.9	2586.3	2666.4	2723.0	2781.9	2839.1
-35°	1800.0	1876.3	1942.6	2026.4	2090.9	2140.0	2198.7	2257.5	2280.1	2344.2	2378.3
-37.5°	1572.5	1622.6	1684.4	1742.8	1790.7	1827.3	1879.6	1910.4	1926.6	1968.1	1990.3
-40°	1377.8	1409.4	1467.1	1507.0	1535.8	1562.4	1605.8	1625.8	1648.0	1668.6	1669.2
-42.5°	1206.5	1247.2	1286.3	1317.6	1335.8	1366.1	1386.6	1388.9	1417.5	1435.9	1438.7
-45°	1066.4	1107.7	1138.7	1161.7	1179.9	1206.0	1219.1	1226.5	1249.9	1262.3	1267.8
-47.5°	958.7	987.6	1014.5	1032.2	1056.1	1075.4	1085.0	1097.4	1115.3	1126.7	1134.8
-50°	864.1	887.0	907.4	923.7	947.4	964.6	973.9	989.0	1002.4	1010.7	1017.1
-52.5°	780.9	801.3	815.4	831.2	850.9	866.2	878.0	893.0	904.1	911.4	917.1
-55°	703.0	722.2	736.0	753.2	767.3	777.5	787.5	802.2	813.2	820.6	825.4
-57.5°	634.2	648.7	662.2	677.9	691.3	702.3	711.3	719.4	726.6	732.7	737.4
-60°	569.8	581.5	594.0	606.2	616.3	624.3	634.0	641.3	646.0	648.9	652.8
-62.5°	507.9	518.5	529.5	539.3	547.4	554.1	561.9	568.0	572.3	575.3	577.6
-65°	449.1	458.2	467.5	475.7	482.7	488.5	494.0	498.3	501.3	503.9	505.9
-67.5°	394.1	401.3	407.8	413.4	418.7	423.6	428.4	431.7	433.5	435.5	437.7
-70°	340.9	346.6	351.0	354.4	357.5	361.4	366.0	369.2	371.1	373.1	375.0
-72.5°	289.6	293.7	297.3	300.1	301.9	304.4	307.6	310.2	312.2	313.7	314.4
-75°	240.1	243.6	246.7	248.9	250.2	252.0	253.6	254.5	254.6	255.3	255.7
-77.5°	191.8	195.2	198.1	200.2	201.4	202.9	204.1	204.7	204.9	205.0	204.5
-80°	149.7	152.0	153.9	155.4	156.3	157.3	157.9	158.1	157.7	158.1	158.2
-82.5°	108.7	110.8	112.5	113.8	114.6	115.7	116.5	117.1	117.5	117.6	117.4
-85°	70.4	71.4	72.3	73.1	73.8	74.3	74.5	74.6	74.4	74.5	74.4
-87.5°	35.2	34.8	34.3	33.6	32.7	33.0	33.1	33.2	33.2	33.6	33.9
-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: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.4	24.0	22.3	20.6	22.3	24.0	23.4	22.8	22.2	21.5	22.9
85°	78.1	78.6	77.2	75.6	77.2	78.6	78.1	77.3	76.3	75.2	75.9
82.5°	149.0	148.7	147.6	146.1	147.6	148.7	149.0	148.7	148.1	147.0	147.9
80°	227.2	225.7	224.8	223.4	224.8	225.7	227.2	228.0	228.1	227.7	229.3
77.5°	318.0	316.3	319.1	321.3	319.1	316.3	318.0	318.8	318.6	318.7	325.3
75°	440.9	437.5	434.3	429.6	434.3	437.5	440.9	442.6	442.6	442.8	450.2
72.5°	583.6	580.9	578.3	573.9	578.3	580.9	583.6	584.3	582.9	584.2	595.6
70°	753.7	745.7	747.0	747.4	747.0	745.7	753.7	758.3	759.1	761.7	771.6
67.5°	967.7	960.5	961.4	960.5	961.4	960.5	967.7	970.8	969.7	972.4	980.5
65°	1226.7	1218.6	1208.7	1194.2	1208.7	1218.6	1226.7	1229.0	1225.2	1222.4	1221.2
62.5°	1504.9	1497.7	1501.9	1505.2	1501.9	1497.7	1504.9	1505.6	1499.9	1498.9	1494.6
60°	1813.7	1803.6	1798.5	1790.4	1798.5	1803.6	1813.7	1815.0	1807.0	1805.9	1800.4
57.5°	2195.2	2193.3	2188.9	2177.0	2188.9	2193.3	2195.2	2186.6	2167.7	2163.1	2147.0
55°	2618.2	2615.8	2625.6	2637.5	2625.6	2615.8	2618.2	2606.4	2581.5	2567.4	2544.0
52.5°	3076.5	3084.2	3081.5	3065.3	3081.5	3084.2	3076.5	3054.5	3024.7	3001.4	2959.1
50°	3530.3	3539.0	3548.3	3556.8	3548.3	3539.0	3530.3	3504.8	3476.0	3453.8	3415.0
47.5°	4044.5	4067.4	4071.4	4055.0	4071.4	4067.4	4044.5	4001.8	3970.9	3935.8	3862.8
45°	4628.6	4642.5	4649.5	4663.3	4649.5	4642.5	4628.6	4583.0	4560.2	4524.1	4452.1
42.5°	5365.2	5381.1	5383.6	5398.7	5383.6	5381.1	5365.2	5306.6	5286.2	5217.1	5115.1
40°	6239.5	6265.3	6260.9	6254.4	6260.9	6265.3	6239.5	6174.0	6158.6	6090.8	6004.6
37.5°	7262.8	7306.8	7311.4	7338.6	7311.4	7306.8	7262.8	7194.7	7146.3	7016.6	6960.1
35°	8411.4	8463.2	8454.2	8467.5	8454.2	8463.2	8411.4	8339.0	8269.1	8152.3	8010.0
32.5°	9569.8	9647.6	9663.2	9728.7	9663.2	9647.6	9569.8	9466.4	9354.1	9200.3	9010.4
30°	10480.1	10589.1	10660.2	10654.8	10660.2	10589.1	10480.1	10341.8	10251.1	9990.4	9783.6
27.5°	10857.2	10998.3	11130.4	11170.3	11130.4	10998.3	10857.2	10687.3	10633.8	10262.0	10131.7
25°	10489.3	10592.4	10709.1	10771.7	10709.1	10592.4	10489.3	10371.6	10188.0	9948.9	9761.9
22.5°	9733.3	9800.4	9840.2	9807.7	9840.2	9800.4	9733.3	9654.1	9481.8	9296.3	9091.1
20°	9047.4	9132.2	9148.1	9182.3	9148.1	9132.2	9047.4	8946.0	8848.0	8688.7	8511.2
17.5°	8536.9	8592.4	8625.1	8632.4	8625.1	8592.4	8536.9	8441.4	8351.8	8208.5	8052.7
15°	8136.7	8181.3	8210.5	8223.5	8210.5	8181.3	8136.7	8059.8	7962.7	7839.4	7704.8
12.5°	7853.2	7907.5	7934.1	7950.3	7934.1	7907.5	7853.2	7787.8	7688.0	7591.2	7450.0
10°	7671.4	7723.8	7744.9	7752.7	7744.9	7723.8	7671.4	7608.7	7530.1	7421.5	7294.7
7.5°	7540.8	7574.4	7588.7	7599.8	7588.7	7574.4	7540.8	7491.0	7408.7	7296.3	7170.7
5°	7435.5	7462.2	7477.3	7493.2	7477.3	7462.2	7435.5	7376.4	7297.7	7197.5	7067.5
2.5°	7292.1	7330.4	7356.9	7373.0	7356.9	7330.4	7292.1	7238.8	7171.7	7076.3	6940.9
0°	7151.3	7187.4	7206.3	7237.2	7206.3	7187.4	7151.3	7098.1	7031.0	6936.5	6804.2
-2.5°	6996.5	7038.3	7087.9	7135.9	7087.9	7038.3	6996.5	6943.8	6885.0	6790.9	6664.4
-5°	6878.1	6933.3	6943.7	6974.3	6943.7	6933.3	6878.1	6810.5	6730.7	6628.2	6506.4
-7.5°	6699.5	6724.6	6767.4	6775.0	6767.4	6724.6	6699.5	6641.0	6542.8	6430.7	6300.8
-10°	6424.2	6465.1	6491.8	6519.0	6491.8	6465.1	6424.2	6362.4	6279.7	6170.0	6050.9
-12.5°	6100.7	6148.8	6191.7	6185.7	6191.7	6148.8	6100.7	6044.7	5970.2	5872.9	5753.0
-15°	5785.5	5832.0	5861.5	5857.5	5861.5	5832.0	5785.5	5716.0	5648.9	5554.4	5450.5
-17.5°	5472.7	5515.1	5557.8	5556.8	5557.8	5515.1	5472.7	5412.7	5337.0	5250.4	5141.3
-20°	5149.7	5186.0	5231.7	5250.9	5231.7	5186.0	5149.7	5097.9	5009.1	4914.9	4803.1



REPORT NUMBER: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4776.3	4822.7	4855.9	4876.4	4855.9	4822.7	4776.3	4709.8	4631.4	4520.4	4421.8
-25°	4340.9	4388.6	4413.8	4422.8	4413.8	4388.6	4340.9	4290.2	4213.8	4106.6	4003.8
-27.5°	3859.9	3913.4	3939.3	3926.2	3939.3	3913.4	3859.9	3810.4	3726.4	3654.8	3555.0
-30°	3366.7	3401.0	3405.0	3434.8	3405.0	3401.0	3366.7	3329.5	3258.7	3190.3	3107.9
-32.5°	2880.0	2903.0	2890.0	2891.8	2890.0	2903.0	2880.0	2839.1	2781.9	2723.0	2666.4
-35°	2399.6	2417.9	2421.5	2455.4	2421.5	2417.9	2399.6	2378.3	2344.2	2280.1	2257.5
-37.5°	2013.3	2020.6	2009.3	1993.2	2009.3	2020.6	2013.3	1990.3	1968.1	1926.6	1910.4
-40°	1685.6	1691.3	1687.1	1678.7	1687.1	1691.3	1685.6	1669.2	1668.6	1648.0	1625.8
-42.5°	1449.9	1449.9	1446.1	1445.0	1446.1	1449.9	1449.9	1438.7	1435.9	1417.5	1388.9
-45°	1275.7	1277.6	1277.3	1276.7	1277.3	1277.6	1275.7	1267.8	1262.3	1249.9	1226.5
-47.5°	1140.6	1141.0	1139.2	1135.8	1139.2	1141.0	1140.6	1134.8	1126.7	1115.3	1097.4
-50°	1021.1	1021.1	1023.4	1027.5	1023.4	1021.1	1021.1	1017.1	1010.7	1002.4	989.0
-52.5°	920.1	919.8	921.1	922.7	921.1	919.8	920.1	917.1	911.4	904.1	893.0
-55°	827.6	827.1	825.8	823.0	825.8	827.1	827.6	825.4	820.6	813.2	802.2
-57.5°	739.2	738.2	736.0	732.0	736.0	738.2	739.2	737.4	732.7	726.6	719.4
-60°	654.9	655.3	654.2	651.2	654.2	655.3	654.9	652.8	648.9	646.0	641.3
-62.5°	578.1	576.9	576.7	575.6	576.7	576.9	578.1	577.6	575.3	572.3	568.0
-65°	506.2	505.0	505.5	505.2	505.5	505.0	506.2	505.9	503.9	501.3	498.3
-67.5°	438.5	438.2	438.5	438.2	438.5	438.2	438.5	437.7	435.5	433.5	431.7
-70°	376.1	376.3	374.3	371.1	374.3	376.3	376.1	375.0	373.1	371.1	369.2
-72.5°	314.2	313.1	313.2	312.7	313.2	313.1	314.2	314.4	313.7	312.2	310.2
-75°	255.6	254.9	256.5	257.7	256.5	254.9	255.6	255.7	255.3	254.6	254.5
-77.5°	203.6	202.1	203.4	204.5	203.4	202.1	203.6	204.5	205.0	204.9	204.7
-80°	158.0	157.5	157.1	156.4	157.1	157.5	158.0	158.2	158.1	157.7	158.1
-82.5°	117.0	116.3	115.8	115.1	115.8	116.3	117.0	117.4	117.6	117.5	117.1
-85°	74.1	73.6	74.7	75.6	74.7	73.6	74.1	74.4	74.5	74.4	74.6
-87.5°	34.1	34.3	33.5	32.6	33.5	34.3	34.1	33.9	33.6	33.2	33.2
-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: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	24.2	25.4	26.5	26.7	26.8	26.8	26.7	26.6	26.3	26.0	25.5
85°	76.4	76.7	76.8	78.0	78.8	79.1	78.7	77.4	75.5	73.2	70.3
82.5°	148.2	147.9	147.3	148.8	149.5	149.3	148.2	145.3	141.5	136.9	131.3
80°	229.9	229.7	229.3	232.4	234.0	233.9	231.7	226.5	219.6	212.5	205.4
77.5°	329.8	332.1	333.0	336.2	336.9	335.1	330.0	322.0	315.1	306.0	293.9
75°	455.3	458.2	460.2	463.2	463.4	460.7	455.5	445.8	433.0	417.0	395.7
72.5°	603.3	607.0	608.1	608.2	605.1	601.6	594.0	581.0	564.2	543.5	515.2
70°	777.8	780.2	779.2	774.2	768.0	759.8	747.0	728.8	705.4	681.0	646.4
67.5°	983.3	980.6	973.6	963.8	953.4	937.9	917.3	891.1	864.2	833.5	786.9
65°	1216.4	1208.3	1199.0	1185.8	1166.2	1139.9	1108.2	1075.1	1040.0	997.2	938.3
62.5°	1479.5	1453.3	1444.3	1431.5	1406.7	1370.2	1331.2	1289.2	1236.7	1175.5	1116.4
60°	1785.7	1763.4	1741.1	1711.5	1675.0	1629.5	1580.2	1523.2	1458.7	1390.5	1311.4
57.5°	2116.4	2086.6	2063.7	2024.3	1967.6	1914.4	1852.5	1774.0	1696.6	1617.6	1523.0
55°	2512.4	2471.4	2422.9	2367.8	2307.3	2238.2	2153.7	2062.1	1967.4	1858.6	1757.8
52.5°	2900.5	2864.1	2808.4	2729.4	2658.3	2586.1	2486.9	2379.4	2272.4	2159.6	2018.1
50°	3359.6	3304.1	3228.1	3136.2	3061.6	2963.2	2852.6	2722.2	2610.9	2481.8	2325.8
47.5°	3820.9	3784.8	3695.2	3588.5	3519.4	3405.2	3269.0	3123.0	3000.0	2824.5	2654.5
45°	4404.6	4338.7	4238.3	4146.5	4038.5	3911.6	3737.8	3598.3	3434.0	3242.3	2996.0
42.5°	5088.4	4993.2	4862.9	4785.8	4656.0	4488.9	4295.6	4119.9	3914.9	3690.8	3407.9
40°	5917.3	5760.3	5627.9	5503.8	5355.9	5135.4	4921.2	4687.3	4442.1	4166.4	3798.2
37.5°	6869.4	6703.1	6507.7	6302.4	6111.5	5859.9	5573.1	5297.7	5003.0	4588.3	4168.4
35°	7860.6	7670.9	7429.7	7180.9	6884.2	6531.7	6235.8	5911.0	5508.6	4970.5	4510.9
32.5°	8839.5	8527.8	8266.7	7998.1	7553.9	7118.6	6800.2	6511.5	5828.2	5272.9	4811.9
30°	9547.3	9152.8	8888.1	8520.4	7962.9	7566.7	7263.9	6664.7	6028.8	5483.8	5046.3
27.5°	9702.1	9410.1	9141.4	8589.6	8109.5	7759.1	7285.9	6675.1	6096.8	5584.0	5160.5
25°	9404.7	9138.1	8811.2	8352.3	7951.6	7591.5	7094.6	6541.4	6022.4	5570.4	5094.9
22.5°	8839.9	8596.3	8298.6	7940.6	7600.8	7233.4	6795.5	6316.1	5869.6	5446.5	4986.2
20°	8300.3	8081.1	7805.2	7521.4	7229.2	6880.9	6465.2	6073.2	5709.9	5300.1	4855.6
17.5°	7876.2	7649.4	7432.9	7186.9	6887.6	6531.6	6232.6	5909.6	5550.6	5143.5	4706.4
15°	7522.6	7351.9	7145.4	6886.2	6611.5	6358.1	6073.7	5743.4	5385.8	4974.2	4567.2
12.5°	7306.8	7124.3	6898.8	6695.8	6467.1	6201.9	5908.9	5571.9	5230.0	4885.3	4520.4
10°	7134.1	6961.3	6775.5	6562.0	6320.4	6045.3	5771.1	5478.3	5159.9	4821.5	4460.4
7.5°	7023.4	6845.2	6647.2	6439.1	6207.3	5960.1	5691.2	5399.8	5078.3	4740.6	4386.5
5°	6916.0	6738.5	6548.3	6348.3	6111.4	5864.7	5598.6	5306.4	4983.5	4642.8	4298.1
2.5°	6793.1	6625.1	6441.6	6241.7	6001.0	5754.8	5492.3	5196.5	4878.4	4550.9	4197.5
0°	6654.7	6500.1	6302.5	6101.5	5874.7	5634.1	5371.2	5068.8	4757.8	4448.5	4080.8
-2.5°	6523.3	6358.7	6176.3	5976.7	5759.4	5510.4	5249.1	4956.6	4639.0	4326.4	3966.8
-5°	6362.8	6202.8	6019.7	5811.2	5592.2	5346.5	5086.8	4804.1	4491.7	4182.6	3839.1
-7.5°	6156.1	6002.5	5829.4	5621.9	5398.4	5152.9	4890.3	4607.9	4303.6	3997.8	3663.9
-10°	5908.0	5744.5	5568.6	5375.2	5165.8	4933.9	4674.2	4392.2	4099.4	3794.9	3473.9
-12.5°	5616.9	5461.4	5285.2	5096.3	4889.9	4663.0	4422.5	4153.5	3879.8	3573.8	3269.2
-15°	5307.1	5170.3	4996.8	4799.0	4588.0	4373.1	4144.8	3888.3	3635.5	3336.1	3050.3
-17.5°	5010.3	4859.7	4688.5	4506.0	4294.4	4068.4	3847.7	3612.6	3368.0	3095.3	2833.8
-20°	4677.2	4524.8	4366.1	4190.5	3988.9	3771.4	3546.6	3322.2	3092.5	2855.1	2617.4



REPORT NUMBER: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4301.3	4167.9	4017.9	3851.7	3654.5	3450.3	3244.2	3032.3	2815.0	2610.6	2397.4
-25°	3898.2	3777.3	3629.8	3472.7	3298.6	3114.2	2933.4	2745.3	2558.3	2366.6	2177.5
-27.5°	3462.6	3350.3	3222.6	3085.0	2930.8	2781.1	2621.3	2459.2	2308.1	2139.1	1974.0
-30°	3016.1	2928.7	2819.0	2689.7	2582.4	2457.5	2312.6	2197.2	2066.3	1921.5	1787.0
-32.5°	2586.3	2515.9	2425.8	2339.7	2250.0	2150.3	2051.2	1944.1	1829.9	1726.8	1616.7
-35°	2198.7	2140.0	2090.9	2026.4	1942.6	1876.3	1800.0	1712.1	1624.8	1541.9	1453.7
-37.5°	1879.6	1827.3	1790.7	1742.8	1684.4	1622.6	1572.5	1512.1	1440.5	1374.3	1302.7
-40°	1605.8	1562.4	1535.8	1507.0	1467.1	1409.4	1377.8	1332.7	1283.4	1219.8	1162.2
-42.5°	1386.6	1366.1	1335.8	1317.6	1286.3	1247.2	1206.5	1180.6	1141.1	1091.4	1044.4
-45°	1219.1	1206.0	1179.9	1161.7	1138.7	1107.7	1066.4	1046.9	1017.0	982.6	938.1
-47.5°	1085.0	1075.4	1056.1	1032.2	1014.5	987.6	958.7	931.2	913.9	884.3	847.8
-50°	973.9	964.6	947.4	923.7	907.4	887.0	864.1	836.9	820.3	795.2	764.8
-52.5°	878.0	866.2	850.9	831.2	815.4	801.3	780.9	755.9	734.1	716.9	694.6
-55°	787.5	777.5	767.3	753.2	736.0	722.2	703.0	681.4	663.4	648.5	629.4
-57.5°	711.3	702.3	691.3	677.9	662.2	648.7	634.2	617.5	598.9	585.0	567.2
-60°	634.0	624.3	616.3	606.2	594.0	581.5	569.8	555.4	538.5	524.6	509.2
-62.5°	561.9	554.1	547.4	539.3	529.5	518.5	507.9	495.9	481.8	467.5	454.6
-65°	494.0	488.5	482.7	475.7	467.5	458.2	449.1	439.0	427.6	414.9	402.8
-67.5°	428.4	423.6	418.7	413.4	407.8	401.3	394.1	385.4	375.9	365.5	355.3
-70°	366.0	361.4	357.5	354.4	351.0	346.6	340.9	334.2	326.4	318.3	309.2
-72.5°	307.6	304.4	301.9	300.1	297.3	293.7	289.6	284.8	279.3	272.9	264.4
-75°	253.6	252.0	250.2	248.9	246.7	243.6	240.1	236.6	232.2	226.8	219.9
-77.5°	204.1	202.9	201.4	200.2	198.1	195.2	191.8	189.2	186.2	182.0	176.7
-80°	157.9	157.3	156.3	155.4	153.9	152.0	149.7	147.1	143.6	139.6	135.7
-82.5°	116.5	115.7	114.6	113.8	112.5	110.8	108.7	106.8	104.5	101.9	99.1
-85°	74.5	74.3	73.8	73.1	72.3	71.4	70.4	69.6	68.5	67.2	65.6
-87.5°	33.1	33.0	32.7	33.6	34.3	34.8	35.2	34.8	34.2	33.6	32.8
-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: P558938 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	25.0	24.3	23.5	22.7	22.2	21.5	20.6	19.6	17.9	16.2	14.3
85°	66.7	62.6	58.0	52.9	48.1	43.0	41.3	39.2	35.8	32.3	28.6
82.5°	124.4	118.4	112.1	105.1	97.4	89.2	80.6	71.4	60.2	49.4	42.9
80°	196.4	186.3	175.2	163.1	149.7	135.4	123.7	110.8	94.9	79.5	64.8
77.5°	278.3	261.2	242.8	227.0	210.6	192.9	173.8	152.3	129.2	109.4	90.3
75°	369.5	348.0	325.8	301.8	276.2	250.3	227.8	201.4	170.2	139.7	115.5
72.5°	483.0	449.7	415.3	380.0	349.4	317.8	285.3	249.8	213.0	177.1	142.2
70°	604.5	558.6	515.5	473.0	428.9	385.2	347.5	303.5	255.3	214.0	173.9
67.5°	733.9	683.8	629.0	568.8	515.6	464.0	411.1	357.8	303.8	250.2	204.9
65°	880.9	817.5	749.0	683.0	612.5	543.5	484.3	414.0	351.3	292.1	235.3
62.5°	1042.5	959.7	885.2	802.2	719.8	638.4	555.0	475.9	399.3	333.0	269.0
60°	1225.6	1134.8	1030.2	937.2	837.8	738.1	639.0	535.7	452.1	372.8	303.6
57.5°	1426.9	1320.2	1208.3	1085.4	968.8	850.7	722.9	604.1	503.1	416.1	336.9
55°	1637.4	1517.5	1391.2	1255.9	1111.8	975.6	811.0	674.2	554.7	458.9	367.7
52.5°	1873.2	1729.8	1584.0	1431.6	1272.9	1096.9	908.9	740.2	612.4	499.8	400.6
50°	2144.7	1965.5	1792.4	1617.2	1436.2	1224.4	1000.3	819.1	666.7	541.0	431.8
47.5°	2454.5	2236.9	2022.5	1812.2	1611.9	1342.8	1101.0	894.4	717.1	585.1	460.8
45°	2775.2	2535.6	2275.9	2032.7	1754.7	1462.7	1199.1	963.7	778.2	623.4	487.7
42.5°	3097.3	2837.9	2559.2	2255.1	1901.4	1576.4	1288.6	1041.7	834.5	658.6	515.7
40°	3455.0	3139.3	2841.8	2461.7	2034.7	1679.7	1380.8	1114.7	885.1	694.1	543.9
37.5°	3796.1	3447.0	3119.9	2619.3	2156.7	1785.5	1465.1	1180.1	931.4	732.4	569.4
35°	4114.5	3745.2	3260.1	2747.6	2277.7	1875.0	1539.6	1241.8	980.6	766.2	592.4
32.5°	4404.8	3936.4	3367.6	2847.6	2373.6	1948.1	1607.2	1296.7	1022.7	795.4	612.7
30°	4602.8	4007.9	3441.4	2920.0	2445.2	2018.9	1662.3	1342.3	1057.7	820.0	631.5
27.5°	4613.3	4041.1	3480.8	2965.1	2494.4	2070.8	1704.1	1378.5	1085.7	842.9	651.1
25°	4577.1	4026.5	3486.6	2981.8	2520.6	2113.3	1736.2	1405.7	1111.4	865.1	667.1
22.5°	4492.5	3974.6	3460.3	2970.5	2549.2	2142.7	1762.8	1428.9	1132.2	881.9	679.5
20°	4385.7	3890.4	3416.1	2981.6	2563.6	2161.5	1782.7	1443.9	1145.6	893.3	688.5
17.5°	4254.8	3823.5	3408.7	2979.5	2563.6	2167.0	1791.7	1450.8	1152.0	899.5	694.1
15°	4194.6	3797.3	3386.4	2963.6	2549.5	2159.8	1790.1	1449.9	1151.5	900.8	698.0
12.5°	4146.3	3756.1	3350.1	2933.9	2521.7	2140.2	1778.3	1441.3	1144.7	900.8	700.9
10°	4085.1	3699.9	3299.9	2890.6	2480.9	2109.0	1756.7	1428.2	1141.2	899.3	701.1
7.5°	4010.5	3628.8	3235.8	2833.9	2431.9	2074.0	1734.5	1413.6	1134.0	894.0	698.7
5°	3923.9	3550.4	3167.0	2779.6	2394.5	2037.0	1705.3	1391.9	1121.9	885.1	693.8
2.5°	3830.3	3469.4	3090.0	2713.8	2347.3	1991.0	1668.1	1363.7	1105.2	872.8	686.5
0°	3721.7	3374.6	3000.0	2635.8	2290.4	1936.5	1623.7	1329.9	1084.2	857.4	677.0
-2.5°	3626.3	3270.5	2903.1	2551.1	2207.4	1871.2	1575.3	1295.9	1060.9	842.2	667.0
-5°	3515.4	3152.9	2794.7	2455.5	2115.7	1799.1	1521.1	1257.4	1033.8	824.4	655.1
-7.5°	3352.5	3009.2	2671.4	2348.1	2016.6	1721.3	1461.9	1215.0	1003.4	804.1	641.4
-10°	3168.9	2846.4	2531.5	2226.8	1920.2	1644.6	1399.3	1169.3	970.0	781.6	626.1
-12.5°	2974.9	2674.9	2384.0	2099.7	1820.8	1568.9	1339.4	1124.5	934.4	757.0	609.2
-15°	2771.7	2496.2	2230.0	1968.1	1718.2	1489.4	1276.6	1078.7	899.3	731.9	590.9
-17.5°	2564.8	2311.6	2070.5	1833.6	1613.5	1406.7	1211.6	1030.5	862.3	706.7	572.6
-20°	2376.1	2139.1	1908.0	1697.6	1507.8	1321.6	1145.1	980.5	823.7	680.2	554.1



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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°	2187.9	1980.0	1771.3	1571.1	1404.2	1234.8	1077.7	928.8	783.8	652.5	534.3
-25°	2000.4	1821.8	1637.9	1466.0	1303.7	1154.1	1012.6	876.0	742.8	623.8	513.2
-27.5°	1823.9	1667.6	1503.8	1360.7	1215.9	1074.6	949.8	825.8	703.1	594.3	491.1
-30°	1655.4	1520.3	1383.6	1257.7	1129.2	1005.5	886.9	775.8	666.9	565.8	467.9
-32.5°	1499.8	1374.9	1268.9	1162.0	1049.3	936.8	828.6	726.0	630.6	537.4	446.3
-35°	1355.2	1250.7	1157.5	1069.4	972.3	874.5	775.3	676.7	594.2	508.2	425.0
-37.5°	1217.4	1140.6	1060.7	982.5	895.7	813.3	725.0	636.0	558.1	478.2	403.2
-40°	1104.2	1038.6	971.9	900.1	827.7	753.5	674.5	597.4	522.8	447.5	381.1
-42.5°	996.3	945.4	887.9	820.2	764.6	698.2	624.8	558.2	488.7	419.9	358.7
-45°	900.3	857.1	808.1	757.3	704.1	643.5	581.0	518.6	454.5	394.0	337.0
-47.5°	809.9	777.7	737.9	695.5	646.3	590.9	536.8	480.9	420.4	368.0	316.2
-50°	733.7	705.9	673.9	635.5	589.6	542.7	493.3	443.3	391.7	342.5	295.0
-52.5°	667.5	641.0	612.4	577.0	537.9	494.5	453.1	406.4	362.5	317.7	273.4
-55°	605.3	579.4	553.2	522.9	487.9	451.6	413.5	373.7	332.9	293.0	251.8
-57.5°	546.6	521.5	498.9	471.7	442.3	410.7	376.3	340.7	304.5	267.9	232.5
-60°	490.3	469.8	447.5	425.2	399.6	370.8	340.1	308.0	276.2	243.1	213.1
-62.5°	438.5	419.9	401.5	381.2	357.7	331.8	304.0	276.8	247.7	220.8	193.3
-65°	389.8	374.5	357.0	337.8	316.4	293.7	270.3	245.4	221.9	198.3	173.4
-67.5°	343.3	329.1	312.2	294.5	277.4	258.4	236.6	216.7	196.7	175.5	153.8
-70°	297.9	284.1	270.0	256.5	241.2	223.8	206.4	189.0	171.3	153.6	134.1
-72.5°	254.2	243.4	232.0	219.7	206.5	192.2	176.8	161.7	147.6	131.8	114.3
-75°	211.7	203.3	194.5	184.6	173.0	160.6	148.7	136.4	123.8	109.8	96.7
-77.5°	170.7	164.3	157.3	150.1	141.3	131.8	121.7	111.1	100.9	90.7	79.8
-80°	132.2	128.1	123.4	117.8	110.5	102.8	95.5	88.0	80.2	71.8	62.8
-82.5°	96.4	93.6	90.3	86.4	81.5	76.4	71.1	65.6	59.4	52.8	46.3
-85°	63.7	61.5	58.9	55.9	52.9	49.8	46.8	43.5	39.4	35.2	30.9
-87.5°	31.6	30.4	29.0	27.6	26.3	24.9	23.4	21.8	19.7	17.6	15.5
-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°	12.4	10.5	8.5	6.4	4.3	2.1	0.0
85°	24.9	21.0	17.0	12.9	8.7	4.3	0.0
82.5°	37.3	31.4	25.4	19.3	13.0	6.4	0.0
80°	50.7	41.8	33.9	25.7	17.3	8.5	0.0
77.5°	72.0	54.6	42.2	32.0	21.5	10.6	0.0
75°	93.0	71.6	51.4	38.3	25.7	12.7	0.0
72.5°	113.7	88.3	64.3	44.5	29.9	14.7	0.0
70°	134.8	104.7	77.1	51.2	34.0	16.7	0.0
67.5°	160.6	120.8	89.6	60.3	38.0	18.7	0.0
65°	185.7	138.7	101.8	69.2	41.9	20.6	0.0
62.5°	209.9	158.1	113.7	77.9	45.8	22.6	0.0
60°	233.2	176.9	125.2	86.3	49.5	24.4	0.0
57.5°	259.6	195.0	139.0	94.5	54.8	26.2	0.0
55°	285.3	212.2	152.5	102.4	60.0	28.0	0.0
52.5°	309.5	229.2	165.3	110.0	65.0	29.7	0.0
50°	332.3	247.8	177.5	117.3	69.8	31.3	0.0
47.5°	354.1	265.2	189.1	124.7	74.5	32.9	0.0
45°	376.8	281.6	200.0	132.8	78.9	34.4	0.0
42.5°	397.8	296.7	210.2	140.4	83.2	35.9	0.0
40°	416.9	310.5	220.5	147.7	87.2	37.3	0.0
37.5°	434.1	323.1	230.8	154.6	91.1	38.6	0.0
35°	449.4	335.7	240.3	161.1	94.7	39.8	0.0
32.5°	464.2	347.5	248.8	167.1	98.0	40.9	0.0
30°	480.0	357.9	256.4	172.6	101.1	42.0	0.0
27.5°	493.7	366.8	263.6	177.7	104.0	43.0	0.0
25°	505.3	374.3	270.0	182.3	106.7	43.9	0.0
22.5°	514.7	380.9	275.4	186.4	109.0	44.7	0.0
20°	522.0	387.4	280.0	190.0	111.2	45.5	0.0
17.5°	528.6	392.7	283.7	193.1	113.0	46.1	0.0
15°	534.0	397.0	286.6	195.7	114.6	46.7	0.0
12.5°	537.2	400.0	288.6	197.8	116.0	47.1	0.0
10°	538.5	402.0	289.7	199.4	117.0	47.5	0.0
7.5°	538.0	402.8	290.1	200.5	117.8	47.8	0.0
5°	535.6	402.5	289.8	201.2	118.4	48.0	0.0
2.5°	531.5	401.1	288.7	201.3	118.6	48.1	0.0
0°	525.8	398.6	286.9	201.0	118.6	48.1	0.0
-2.5°	519.8	394.8	285.5	200.1	118.3	48.2	0.0
-5°	512.3	390.0	283.5	198.7	117.8	48.1	0.0
-7.5°	503.5	384.3	280.8	196.9	117.0	48.0	0.0
-10°	493.4	377.7	277.5	194.6	115.9	47.8	0.0
-12.5°	482.1	370.2	273.5	191.9	114.6	47.5	0.0
-15°	469.6	362.1	268.9	188.8	113.0	47.1	0.0
-17.5°	456.0	353.2	263.8	185.3	111.2	46.6	0.0
-20°	441.9	343.7	258.0	181.3	109.2	46.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	427.8	333.6	251.6	177.0	107.0	45.4	0.0
-25°	412.9	323.5	244.7	172.4	104.6	44.6	0.0
-27.5°	397.2	313.0	237.3	167.4	101.9	43.7	0.0
-30°	380.8	301.9	229.3	162.0	99.1	42.8	0.0
-32.5°	363.7	290.1	221.1	156.4	96.1	41.7	0.0
-35°	347.8	277.7	212.5	150.4	92.9	40.6	0.0
-37.5°	332.0	265.3	203.4	144.1	89.5	39.4	0.0
-40°	315.7	253.3	193.9	137.6	85.9	38.1	0.0
-42.5°	298.8	240.9	184.5	130.8	82.2	36.8	0.0
-45°	281.5	228.1	175.2	123.9	78.4	35.3	0.0
-47.5°	263.6	215.0	165.5	116.6	74.4	33.8	0.0
-50°	247.3	201.6	155.5	110.1	70.3	32.2	0.0
-52.5°	230.9	187.8	145.2	103.7	66.0	30.5	0.0
-55°	214.4	174.5	134.6	97.2	61.6	28.8	0.0
-57.5°	197.5	161.0	123.8	90.4	57.1	27.0	0.0
-60°	180.6	147.3	112.8	83.5	52.6	25.2	0.0
-62.5°	163.9	133.3	103.4	76.4	48.6	23.3	0.0
-65°	147.1	119.0	93.9	69.2	44.6	21.3	0.0
-67.5°	130.0	105.8	84.2	61.8	40.4	19.3	0.0
-70°	112.7	93.7	74.3	54.4	36.2	17.3	0.0
-72.5°	97.7	81.4	64.4	47.6	31.9	15.2	0.0
-75°	83.1	68.9	54.3	41.0	27.5	13.1	0.0
-77.5°	68.2	56.4	45.2	34.2	23.0	11.0	0.0
-80°	53.3	44.8	36.2	27.5	18.5	8.8	0.0
-82.5°	39.9	33.7	27.2	20.6	13.9	6.6	0.0
-85°	26.6	22.5	18.2	13.8	9.3	4.4	0.0
-87.5°	13.3	11.2	9.1	6.9	4.6	2.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)