

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: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-927-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559106 (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-SA5E-927-U-WAF-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (80) 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

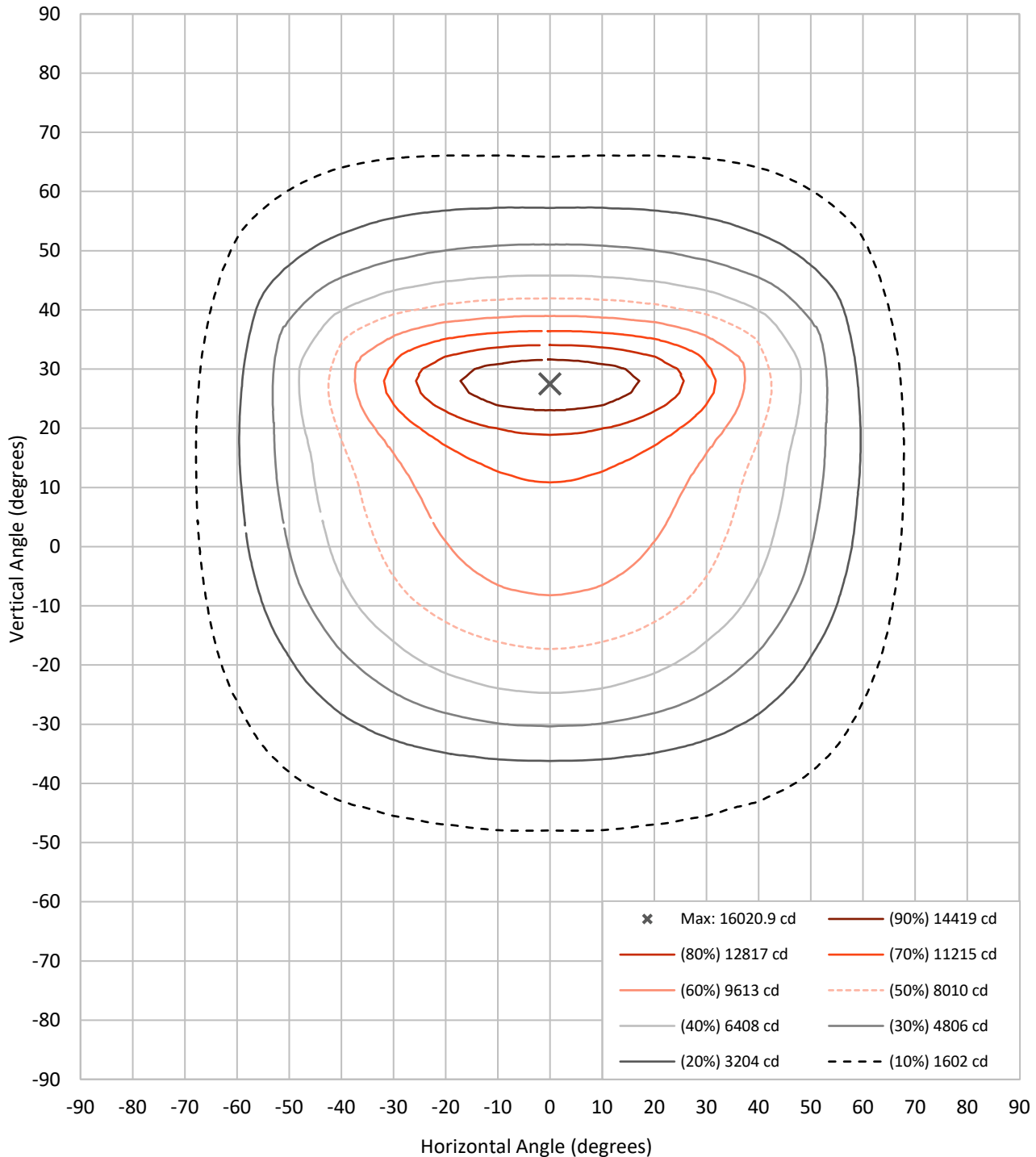
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	23355.7 lumens	Max Intensity:	16020.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	76.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	12113.4 lumens	Field Lumens:	21606.1 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 307
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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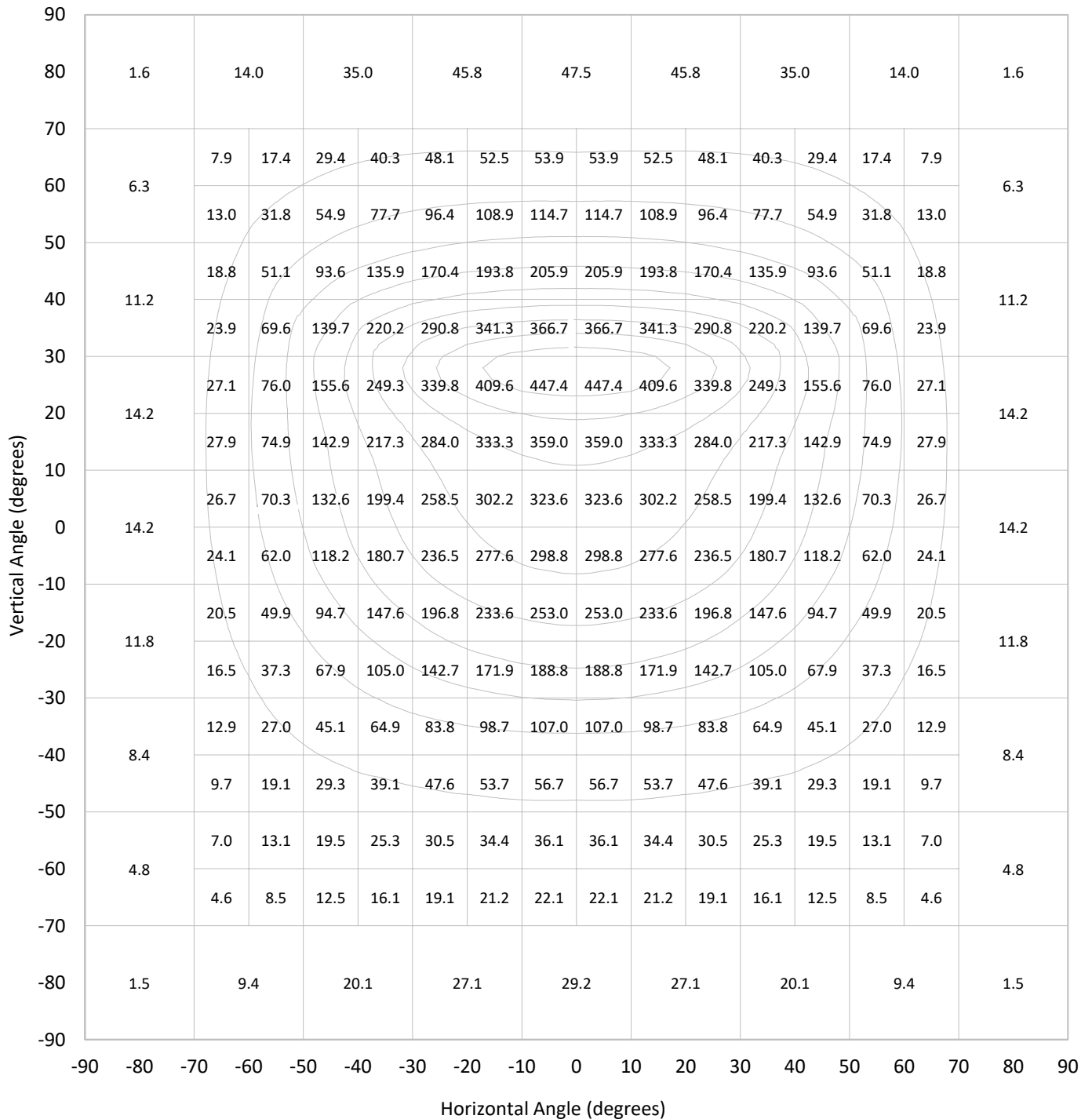
Iso-Candela Plot





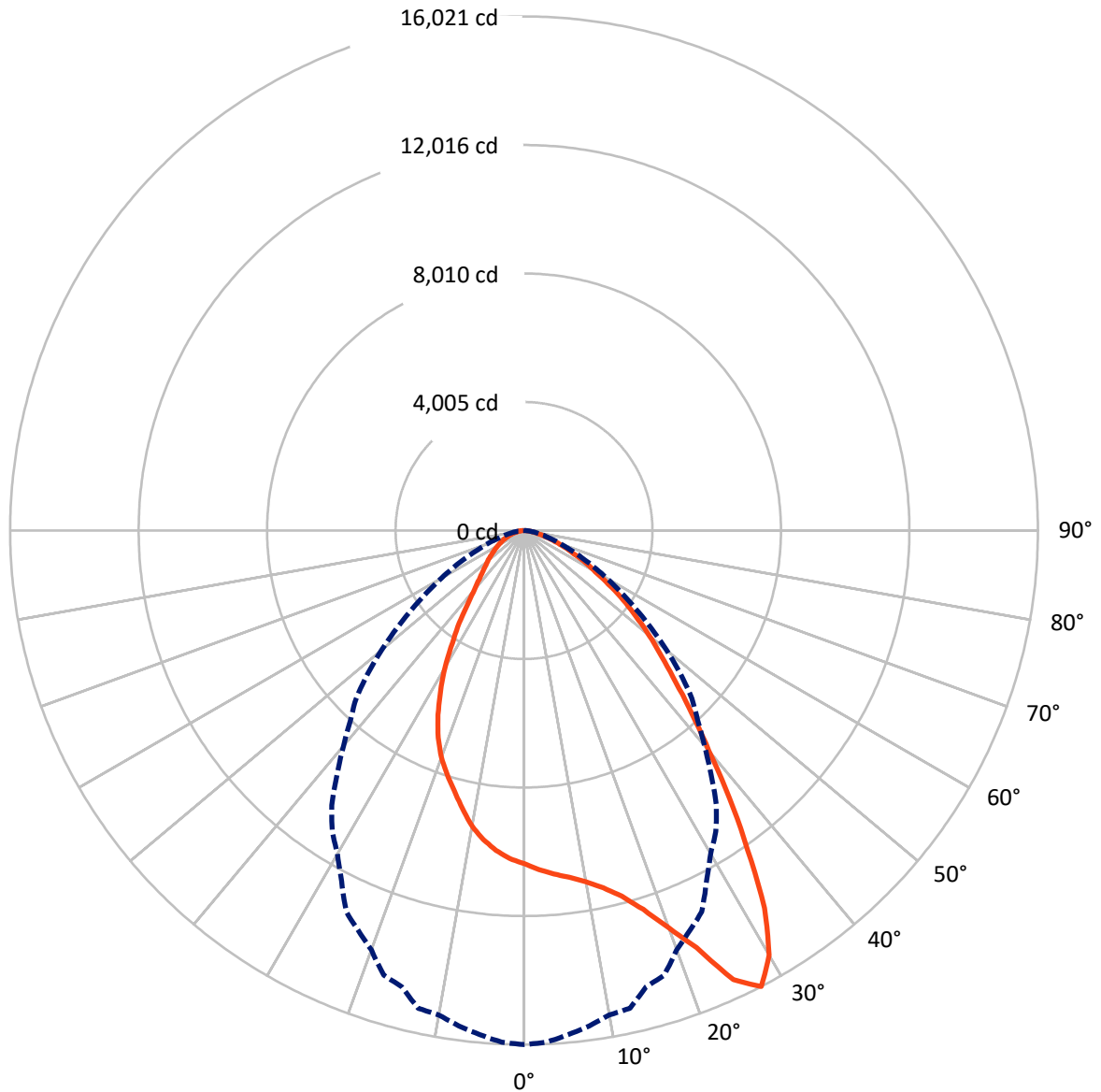
REPORT NUMBER: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
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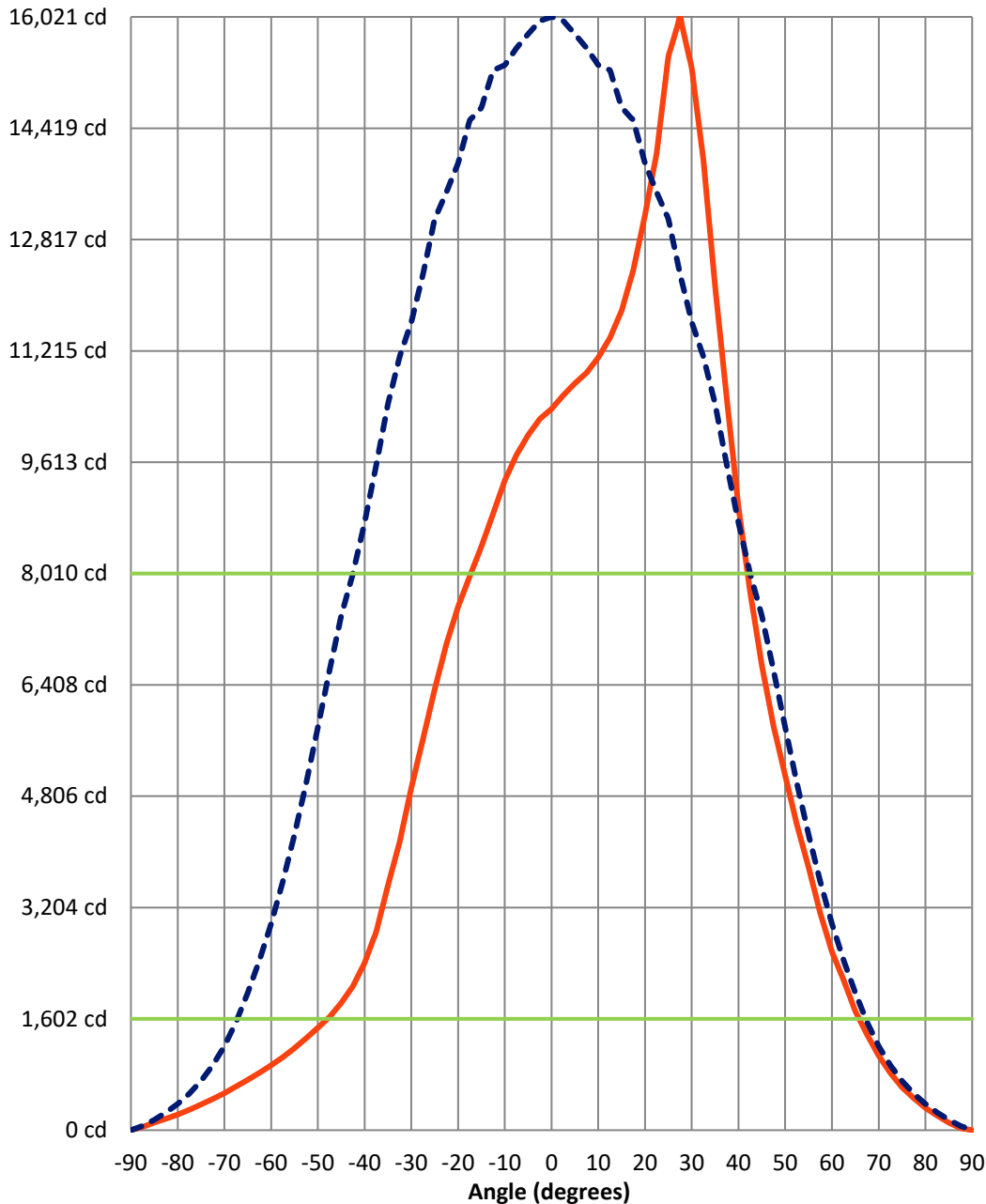
Luminous Intensity Polar Plot



— 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: 12113.4
 Efficiency: 51.9%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 21606.1
 Efficiency: 92.5%

Spill:
 Lumens: 1749.7
 Efficiency: 7.5%

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



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	3.1	6.2	9.2	12.2	15.1	17.9	20.6	23.2	25.7	28.1
85°	0.0	6.1	12.4	18.5	24.4	30.1	35.7	41.1	46.3	51.3	56.2
82.5°	0.0	9.2	18.6	27.7	36.5	45.1	53.5	61.6	70.8	86.3	102.4
80°	0.0	12.2	24.8	36.8	48.6	60.0	72.7	92.9	114.1	136.1	158.9
77.5°	0.0	15.2	30.9	45.9	60.6	78.3	103.3	129.5	156.9	185.4	218.5
75°	0.0	18.2	36.9	54.9	73.7	102.7	133.5	165.7	200.3	244.1	288.9
72.5°	0.0	21.1	42.9	63.8	92.3	126.7	163.2	204.0	254.1	305.5	358.2
70°	0.0	24.0	48.8	73.5	110.6	150.2	193.4	249.4	306.9	366.1	435.3
67.5°	0.0	26.8	54.5	86.5	128.5	173.3	230.4	293.9	358.8	435.7	513.1
65°	0.0	29.6	60.2	99.3	146.0	198.9	266.3	337.4	418.9	503.7	593.7
62.5°	0.0	32.4	65.7	111.7	163.1	226.8	301.1	385.8	477.5	572.6	682.5
60°	0.0	35.0	71.1	123.8	179.6	253.8	334.5	435.4	534.6	648.4	768.3
57.5°	0.0	37.6	78.7	135.6	199.5	279.7	372.4	483.1	596.7	721.5	866.5
55°	0.0	40.2	86.1	146.9	218.7	304.4	409.1	527.4	658.0	795.5	966.9
52.5°	0.0	42.6	93.3	157.8	237.1	328.8	443.9	574.4	716.7	878.4	1061.6
50°	0.0	45.0	100.2	168.3	254.7	355.4	476.6	619.2	775.9	956.2	1174.8
47.5°	0.0	47.2	106.9	178.8	271.3	380.5	507.8	660.9	839.1	1028.6	1282.8
45°	0.0	49.4	113.2	190.5	286.9	403.8	540.5	699.4	894.1	1116.2	1382.3
42.5°	0.0	51.5	119.3	201.4	301.5	425.5	570.5	739.7	944.6	1197.0	1494.1
40°	0.0	53.5	125.1	211.9	316.3	445.4	597.9	780.1	995.5	1269.6	1598.8
37.5°	0.0	55.3	130.6	221.8	331.1	463.5	622.6	816.7	1050.5	1336.0	1692.6
35°	0.0	57.1	135.8	231.1	344.7	481.5	644.6	849.6	1099.0	1406.5	1781.0
32.5°	0.0	58.8	140.6	239.7	356.9	498.5	665.8	878.7	1140.9	1466.9	1859.8
30°	0.0	60.3	145.1	247.6	367.8	513.3	688.5	905.8	1176.1	1517.1	1925.1
27.5°	0.0	61.7	149.2	254.9	378.1	526.1	708.1	933.9	1209.0	1557.1	1977.0
25°	0.0	63.0	153.0	261.5	387.3	536.9	724.7	956.7	1240.9	1594.0	2016.0
22.5°	0.0	64.2	156.4	267.3	395.1	546.3	738.2	974.6	1264.9	1623.8	2049.3
20°	0.0	65.2	159.4	272.5	401.7	555.6	748.7	987.5	1281.2	1643.1	2070.9
17.5°	0.0	66.2	162.1	276.9	407.0	563.3	758.2	995.5	1290.1	1652.2	2080.8
15°	0.0	67.0	164.4	280.7	411.1	569.4	765.8	1001.1	1292.0	1651.6	2079.4
12.5°	0.0	67.6	166.3	283.7	413.9	573.8	770.5	1005.3	1292.0	1641.7	2067.1
10°	0.0	68.2	167.8	286.0	415.7	576.6	772.4	1005.6	1289.8	1636.7	2048.3
7.5°	0.0	68.6	168.9	287.7	416.2	577.8	771.5	1002.1	1282.2	1626.4	2027.4
5°	0.0	68.8	169.7	288.6	415.7	577.3	768.1	995.1	1269.4	1609.1	1996.3
2.5°	0.0	69.0	170.0	288.8	414.2	575.3	762.3	984.6	1251.8	1585.2	1955.9
0°	0.0	69.0	170.0	288.3	411.6	571.7	754.1	971.0	1229.7	1555.0	1907.4
-2.5°	0.0	69.1	169.6	287.0	409.6	566.3	745.5	956.7	1208.0	1521.5	1858.6
-5°	0.0	69.1	168.8	285.0	406.7	559.4	734.8	939.6	1182.4	1482.7	1803.3
-7.5°	0.0	68.9	167.7	282.4	402.8	551.2	722.1	919.9	1153.3	1439.1	1742.6
-10°	0.0	68.6	166.1	279.1	398.0	541.7	707.6	897.9	1121.0	1391.2	1677.1
-12.5°	0.0	68.1	164.3	275.2	392.3	531.0	691.4	873.6	1085.8	1340.1	1612.7
-15°	0.0	67.6	162.0	270.8	385.8	519.3	673.4	847.4	1049.7	1289.9	1547.0
-17.5°	0.0	66.9	159.5	265.7	378.3	506.5	654.0	821.2	1013.6	1236.8	1478.0
-20°	0.0	66.0	156.6	260.1	370.1	492.9	633.8	794.6	975.5	1181.4	1406.2



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 CATALOG NUMBER: GFLD-SA5E-927-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	65.1	153.4	253.9	361.0	478.5	613.6	766.2	935.8	1124.1	1332.2
-25°	0.0	63.9	149.9	247.2	351.0	464.0	592.1	736.1	894.6	1065.4	1256.4
-27.5°	0.0	62.7	146.1	240.1	340.4	449.0	569.6	704.3	852.3	1008.5	1184.4
-30°	0.0	61.4	142.1	232.4	328.9	433.0	546.1	671.1	811.4	956.5	1112.7
-32.5°	0.0	59.9	137.7	224.3	317.2	416.1	521.6	640.1	770.7	904.4	1041.3
-35°	0.0	58.3	133.1	215.7	304.7	398.3	498.8	609.5	728.8	852.2	970.6
-37.5°	0.0	56.5	128.3	206.7	291.7	380.5	476.2	578.3	685.8	800.3	912.2
-40°	0.0	54.7	123.2	197.4	278.2	363.3	452.8	546.6	641.8	749.7	856.9
-42.5°	0.0	52.7	117.9	187.7	264.7	345.5	428.6	514.4	602.2	700.9	800.5
-45°	0.0	50.6	112.4	177.7	251.3	327.2	403.7	483.3	565.0	651.9	743.8
-47.5°	0.0	48.5	106.7	167.2	237.4	308.4	378.1	453.5	527.8	603.0	689.7
-50°	0.0	46.2	100.7	157.9	223.1	289.1	354.7	423.1	491.1	561.8	635.8
-52.5°	0.0	43.8	94.6	148.8	208.3	269.4	331.3	392.1	455.5	520.0	582.9
-55°	0.0	41.3	88.4	139.3	193.1	250.3	307.5	361.1	420.1	477.4	536.0
-57.5°	0.0	38.7	81.9	129.7	177.5	231.0	283.3	333.5	384.2	436.7	488.6
-60°	0.0	36.1	75.3	119.7	161.7	211.3	259.0	305.6	348.7	396.2	441.8
-62.5°	0.0	33.4	69.7	109.6	148.3	191.2	235.2	277.3	316.7	355.2	397.0
-65°	0.0	30.6	63.9	99.2	134.6	170.7	211.0	248.8	284.4	318.3	351.9
-67.5°	0.0	27.7	58.0	88.7	120.7	151.7	186.4	220.6	251.7	282.1	310.7
-70°	0.0	24.8	51.9	77.9	106.6	134.3	161.5	192.3	220.3	245.7	271.1
-72.5°	0.0	21.8	45.7	68.3	92.3	116.7	140.1	163.8	188.9	211.6	231.9
-75°	0.0	18.8	39.4	58.7	77.9	98.9	119.1	138.6	157.4	177.6	195.6
-77.5°	0.0	15.7	33.0	49.1	64.8	80.9	97.9	114.4	130.0	144.7	159.3
-80°	0.0	12.6	26.5	39.4	52.0	64.2	76.5	90.1	103.0	115.0	126.3
-82.5°	0.0	9.5	19.9	29.6	39.1	48.3	57.3	66.5	75.8	85.3	94.2
-85°	0.0	6.3	13.3	19.8	26.1	32.2	38.2	44.4	50.5	56.5	62.4
-87.5°	0.0	3.2	6.7	9.9	13.0	16.1	19.1	22.2	25.3	28.3	31.2
-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°	29.6	30.8	31.8	32.5	33.8	34.9	35.8	36.6	37.3	37.8	38.1
85°	59.2	61.6	69.0	75.9	83.2	89.7	95.6	100.8	104.9	108.3	111.0
82.5°	115.6	128.0	139.7	150.7	160.8	169.7	178.4	188.2	196.3	203.0	208.4
80°	177.4	194.2	214.7	233.9	251.3	267.1	281.6	294.6	304.8	314.9	324.8
77.5°	249.3	276.6	302.0	325.5	348.2	374.6	399.1	421.5	438.8	451.9	461.9
75°	326.6	359.0	396.1	432.8	467.3	499.1	529.9	567.4	598.1	621.0	639.4
72.5°	409.2	455.8	501.1	545.1	595.7	645.0	692.8	739.0	779.5	809.3	833.4
70°	498.4	552.5	615.1	678.5	739.4	801.2	867.1	927.0	976.7	1011.8	1045.2
67.5°	589.5	665.5	739.6	815.8	902.1	980.7	1052.6	1128.6	1195.5	1239.5	1278.0
65°	694.6	779.5	878.5	979.6	1074.3	1172.5	1263.4	1345.7	1430.2	1491.5	1541.9
62.5°	796.1	915.6	1032.3	1150.5	1269.6	1376.4	1495.2	1601.1	1686.0	1773.8	1849.0
60°	916.5	1058.5	1201.6	1344.2	1477.5	1627.5	1757.7	1880.8	1994.3	2092.1	2184.7
57.5°	1036.7	1220.0	1389.4	1556.7	1733.0	1893.5	2046.5	2184.4	2320.1	2433.4	2544.4
55°	1163.2	1399.2	1594.6	1801.3	1995.3	2176.5	2348.5	2521.1	2665.7	2821.7	2957.5
52.5°	1303.5	1573.2	1825.7	2053.2	2271.9	2480.9	2686.6	2894.4	3097.4	3259.1	3412.6
50°	1434.7	1756.1	2059.8	2319.5	2570.8	2819.0	3076.0	3335.8	3559.5	3744.6	3904.3
47.5°	1579.2	1926.0	2312.0	2599.2	2900.8	3208.3	3520.3	3807.3	4051.1	4302.8	4479.2
45°	1719.8	2098.0	2516.8	2915.4	3264.2	3636.7	3980.4	4297.0	4650.2	4925.1	5160.9
42.5°	1848.3	2260.9	2727.1	3234.4	3670.6	4070.3	4442.4	4887.7	5293.5	5614.9	5909.0
40°	1980.4	2409.2	2918.3	3530.7	4075.8	4502.5	4955.3	5447.5	5975.7	6371.1	6722.7
37.5°	2101.2	2560.8	3093.2	3756.8	4474.7	4943.8	5444.5	5978.5	6580.7	7175.5	7598.1
35°	2208.1	2689.2	3266.8	3940.7	4675.8	5371.6	5901.2	6469.8	7128.8	7900.7	8477.8
32.5°	2305.1	2794.0	3404.4	4084.2	4829.9	5645.7	6317.6	6901.4	7562.7	8359.1	9339.1
30°	2384.1	2895.6	3507.1	4187.9	4935.7	5748.3	6601.6	7237.6	7865.2	8646.7	9558.8
27.5°	2444.1	2970.1	3577.7	4252.6	4992.4	5795.9	6616.6	7401.4	8008.9	8744.2	9573.7
25°	2490.1	3031.1	3615.1	4276.6	5000.7	5775.0	6564.7	7307.4	7989.3	8637.6	9382.0
22.5°	2528.3	3073.2	3656.1	4260.4	4962.9	5700.6	6443.4	7151.5	7811.5	8418.4	9058.8
20°	2556.9	3100.1	3676.7	4276.3	4899.6	5579.8	6290.2	6964.0	7601.6	8189.3	8710.5
17.5°	2569.8	3108.0	3676.7	4273.3	4889.0	5483.9	6102.5	6750.1	7376.9	7960.9	8475.8
15°	2567.5	3097.6	3656.5	4250.5	4856.9	5446.3	6016.2	6550.5	7134.1	7724.5	8237.5
12.5°	2550.5	3069.6	3616.7	4208.0	4804.9	5387.2	5946.8	6483.3	7006.6	7501.1	7991.5
10°	2519.5	3024.8	3558.2	4145.9	4732.8	5306.6	5859.0	6397.2	6915.2	7400.6	7857.3
7.5°	2487.7	2974.6	3487.9	4064.5	4641.0	5204.6	5752.0	6291.3	6799.2	7283.6	7744.7
5°	2445.8	2921.5	3434.3	3986.7	4542.3	5092.2	5627.9	6164.4	6658.9	7147.6	7610.7
2.5°	2392.5	2855.5	3366.7	3892.3	4431.9	4975.9	5493.6	6020.2	6527.1	6996.9	7453.1
0°	2328.8	2777.4	3285.0	3780.4	4302.8	4840.0	5337.8	5852.9	6380.3	6823.9	7269.9
-2.5°	2259.4	2683.8	3166.0	3658.9	4163.8	4690.6	5201.0	5689.3	6205.1	6653.5	7109.0
-5°	2181.6	2580.4	3034.5	3521.8	4008.4	4522.0	5041.9	5506.2	5998.9	6442.3	6890.3
-7.5°	2096.6	2468.8	2892.2	3367.8	3831.4	4315.8	4808.2	5254.9	5733.9	6172.4	6608.9
-10°	2006.9	2358.7	2754.0	3193.8	3630.9	4082.4	4544.9	4982.3	5442.8	5879.6	6299.6
-12.5°	1921.0	2250.2	2611.5	3011.4	3419.3	3836.5	4266.6	4688.9	5125.8	5564.6	5957.2
-15°	1830.9	2136.1	2464.3	2822.7	3198.3	3580.1	3975.2	4374.8	4784.8	5214.2	5576.8
-17.5°	1737.7	2017.6	2314.1	2629.8	2969.6	3315.3	3678.6	4064.3	4439.5	4830.6	5181.3
-20°	1642.3	1895.6	2162.6	2434.7	2736.6	3068.1	3407.8	3754.0	4094.9	4435.5	4764.9



REPORT NUMBER: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-927-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°	1545.7	1771.0	2013.9	2253.3	2540.5	2839.8	3137.9	3438.4	3744.3	4037.5	4349.1
-25°	1452.3	1655.3	1869.9	2102.6	2349.1	2613.0	2869.1	3123.0	3394.3	3669.2	3937.5
-27.5°	1362.3	1541.4	1744.0	1951.6	2156.9	2391.7	2615.9	2831.2	3067.9	3310.4	3527.1
-30°	1272.1	1442.1	1619.5	1803.8	1984.4	2180.5	2374.3	2563.1	2755.9	2963.6	3151.3
-32.5°	1188.4	1343.6	1505.1	1666.6	1819.9	1971.9	2151.1	2318.8	2476.6	2624.5	2788.4
-35°	1112.0	1254.2	1394.6	1533.8	1660.1	1793.8	1943.6	2084.9	2211.5	2330.4	2455.6
-37.5°	1039.8	1166.5	1284.6	1409.1	1521.4	1635.9	1746.1	1868.4	1971.1	2066.0	2168.8
-40°	967.4	1080.7	1187.1	1291.0	1394.0	1489.6	1583.7	1666.9	1749.6	1840.8	1911.5
-42.5°	896.2	1001.4	1096.6	1176.4	1273.4	1355.9	1429.0	1497.9	1565.4	1636.6	1693.2
-45°	833.3	922.9	1009.8	1086.2	1159.0	1229.2	1291.2	1345.4	1409.3	1458.7	1501.5
-47.5°	769.9	847.5	926.9	997.5	1058.3	1115.4	1161.5	1215.9	1268.3	1310.7	1335.6
-50°	707.5	778.4	845.7	911.4	966.6	1012.4	1052.2	1096.9	1140.5	1176.5	1200.3
-52.5°	649.9	709.2	771.6	827.5	878.3	919.3	957.3	996.2	1028.2	1052.9	1084.1
-55°	593.1	647.7	699.8	750.0	793.4	831.0	868.2	902.8	930.1	951.5	977.2
-57.5°	539.7	589.0	634.4	676.6	715.5	747.9	784.0	813.6	839.1	859.0	885.6
-60°	487.7	531.8	573.1	609.8	641.8	673.7	703.2	730.3	752.5	772.4	796.7
-62.5°	436.0	475.9	513.0	546.8	575.9	602.3	628.9	652.0	670.5	691.1	711.3
-65°	387.6	421.2	453.7	484.5	512.0	537.1	559.0	577.7	595.1	613.3	629.6
-67.5°	339.3	370.6	397.9	422.4	447.8	472.1	492.4	509.7	524.3	539.1	552.7
-70°	296.0	320.9	345.9	367.9	387.2	407.5	427.3	443.6	456.6	468.2	479.3
-72.5°	253.5	275.6	296.2	315.1	332.7	349.0	364.6	379.3	391.4	400.5	408.5
-75°	213.2	230.3	248.1	264.7	279.0	291.6	303.6	315.4	325.2	333.0	339.4
-77.5°	174.5	188.9	202.6	215.3	225.6	235.6	244.9	253.4	261.0	267.0	271.3
-80°	137.0	147.5	158.5	168.9	176.9	183.7	189.6	194.6	200.2	206.0	211.0
-82.5°	102.0	109.5	116.8	123.9	129.5	134.2	138.3	142.2	146.2	149.9	153.2
-85°	67.1	71.4	75.9	80.2	84.4	88.2	91.4	94.1	96.3	98.2	99.7
-87.5°	33.6	35.7	37.7	39.6	41.6	43.5	45.3	47.0	48.1	49.1	49.8
-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: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-927-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°	38.3	38.4	38.4	38.3	38.0	36.4	34.7	32.9	30.9	31.8	32.7
85°	112.9	113.4	113.0	111.9	110.1	110.0	109.6	108.9	107.9	109.6	111.0
82.5°	212.6	214.2	214.4	213.4	211.3	212.2	212.6	212.2	210.9	212.4	213.4
80°	332.4	335.5	335.6	333.4	328.8	329.4	329.8	328.8	326.6	327.2	327.0
77.5°	473.4	480.7	483.2	482.2	477.6	476.3	473.1	466.6	457.2	457.0	457.2
75°	653.3	660.8	664.7	664.4	660.1	657.2	653.1	645.7	635.1	634.7	634.8
72.5°	852.0	862.9	867.9	872.3	872.3	870.6	865.3	854.3	837.9	836.0	838.0
70°	1071.3	1089.8	1101.5	1110.5	1117.6	1119.1	1115.6	1106.7	1092.4	1088.6	1087.5
67.5°	1315.6	1345.1	1367.5	1382.3	1396.4	1406.4	1410.2	1406.2	1394.7	1390.8	1392.4
65°	1589.4	1634.9	1672.5	1700.7	1719.6	1732.9	1744.6	1751.6	1753.3	1757.3	1762.8
62.5°	1909.3	1965.2	2017.5	2053.1	2071.5	2084.4	2122.0	2143.6	2149.8	2151.2	2159.4
60°	2266.4	2337.1	2402.3	2454.7	2497.1	2529.1	2561.1	2582.2	2590.2	2591.7	2603.2
57.5°	2657.0	2745.7	2822.1	2903.3	2959.9	2992.6	3035.3	3079.4	3102.4	3109.0	3136.0
55°	3089.0	3210.2	3309.3	3396.0	3475.0	3544.5	3603.3	3648.7	3682.3	3702.5	3738.3
52.5°	3566.8	3709.2	3812.7	3914.6	4028.0	4107.9	4160.2	4244.1	4304.8	4338.2	4381.0
50°	4091.4	4250.0	4391.1	4498.0	4629.9	4739.0	4818.5	4898.0	4953.6	4985.4	5026.8
47.5°	4688.6	4883.9	5047.7	5146.7	5299.7	5428.3	5480.2	5540.2	5645.0	5695.3	5739.6
45°	5361.0	5610.1	5792.1	5947.0	6078.6	6222.8	6317.3	6385.5	6488.7	6540.5	6573.1
42.5°	6161.0	6438.2	6677.9	6864.0	6974.6	7161.6	7298.0	7336.4	7482.6	7581.8	7610.9
40°	7058.2	7365.5	7681.7	7893.8	8071.9	8261.7	8486.8	8612.2	8735.8	8833.0	8855.0
37.5°	7993.2	8404.5	8765.4	9039.2	9333.6	9613.8	9852.4	9982.4	10063.6	10249.5	10318.9
35°	8943.7	9368.1	9873.7	10299.2	10656.0	11001.9	11274.1	11488.4	11692.4	11859.8	11960.1
32.5°	9753.1	10209.8	10834.1	11471.2	11856.4	12231.0	12678.0	12923.2	13195.5	13416.1	13577.2
30°	10418.2	10852.5	11420.8	12220.3	12747.7	13127.4	13693.1	14032.1	14328.7	14702.5	14832.7
27.5°	10449.7	11128.5	11631.0	12319.6	13111.1	13496.5	13915.2	14531.4	14718.3	15251.4	15328.2
25°	10175.5	10888.1	11404.6	11979.4	12637.4	13106.2	13488.6	14000.9	14269.2	14612.1	14875.4
22.5°	9746.4	10374.5	10901.4	11388.8	11902.3	12329.2	12678.7	13038.8	13333.2	13599.2	13846.3
20°	9272.6	9868.8	10368.5	10787.6	11194.5	11590.3	11904.7	12207.1	12461.8	12690.1	12830.7
17.5°	8939.0	9367.9	9878.4	10307.8	10660.6	10971.2	11296.4	11549.5	11772.9	11978.4	12107.0
15°	8711.1	9119.0	9482.5	9876.5	10248.3	10544.4	10789.3	11050.5	11243.6	11420.5	11559.7
12.5°	8474.7	8895.0	9275.4	9603.5	9894.5	10217.9	10479.6	10685.1	10887.7	11026.6	11169.6
10°	8277.2	8670.4	9065.0	9411.4	9717.7	9984.2	10231.9	10462.4	10644.2	10800.0	10912.7
7.5°	8162.6	8548.2	8902.8	9235.2	9533.7	9817.7	10073.3	10284.6	10464.7	10625.9	10743.9
5°	8029.7	8411.4	8765.3	9105.1	9391.7	9664.7	9919.2	10136.5	10323.0	10466.7	10579.6
2.5°	7877.3	8253.8	8606.9	8952.3	9238.8	9502.0	9742.9	9954.9	10149.1	10286.0	10382.2
0°	7703.6	8080.7	8425.7	8751.0	9039.3	9322.7	9544.5	9758.9	9948.7	10084.2	10180.3
-2.5°	7528.5	7903.2	8260.3	8572.0	8858.3	9119.9	9356.0	9558.5	9739.7	9874.7	9959.0
-5°	7295.7	7668.1	8020.6	8334.7	8633.6	8896.3	9125.8	9331.8	9506.3	9653.5	9767.9
-7.5°	7013.8	7390.5	7742.6	8063.2	8360.7	8609.0	8829.4	9036.9	9223.2	9383.9	9524.7
-10°	6703.9	7076.4	7409.1	7709.4	7986.7	8239.0	8473.5	8678.5	8849.3	9006.7	9125.2
-12.5°	6343.0	6687.9	7013.3	7309.3	7580.3	7833.0	8056.0	8251.3	8423.2	8562.7	8669.6
-15°	5944.7	6272.0	6580.3	6882.9	7166.6	7415.5	7611.6	7817.4	7966.4	8101.8	8198.1
-17.5°	5518.6	5835.1	6159.3	6462.7	6724.5	6970.0	7185.9	7373.9	7530.3	7654.5	7763.0
-20°	5086.7	5409.1	5721.1	6010.2	6262.1	6489.7	6708.2	6888.9	7049.1	7184.2	7311.5



REPORT NUMBER: P559106 (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°	4653.0	4948.6	5241.5	5524.3	5762.6	5977.8	6169.1	6341.9	6483.4	6642.6	6755.0
-25°	4207.4	4466.5	4731.0	4980.8	5206.1	5417.5	5591.0	5742.5	5889.9	6043.7	6153.2
-27.5°	3759.7	3988.8	4203.6	4424.6	4622.0	4805.2	4966.1	5098.7	5241.9	5344.5	5465.0
-30°	3316.8	3524.7	3703.8	3857.6	4043.2	4200.5	4325.7	4457.4	4575.7	4673.7	4775.3
-32.5°	2942.0	3084.0	3227.1	3355.7	3479.1	3608.4	3709.3	3824.3	3905.4	3989.9	4071.9
-35°	2581.6	2691.1	2786.1	2906.4	2998.9	3069.2	3153.4	3237.8	3270.2	3362.1	3411.1
-37.5°	2255.3	2327.1	2415.8	2499.6	2568.3	2620.9	2695.8	2740.0	2763.3	2822.7	2854.5
-40°	1976.0	2021.3	2104.1	2161.4	2202.7	2240.9	2303.2	2331.9	2363.6	2393.1	2394.0
-42.5°	1730.3	1788.7	1844.8	1889.8	1915.9	1959.4	1988.8	1992.0	2033.1	2059.4	2063.4
-45°	1529.4	1588.7	1633.1	1666.2	1692.2	1729.7	1748.6	1759.2	1792.7	1810.5	1818.3
-47.5°	1375.0	1416.4	1454.9	1480.4	1514.6	1542.3	1556.2	1573.9	1599.6	1616.0	1627.7
-50°	1239.3	1272.2	1301.4	1324.7	1358.8	1383.5	1396.7	1418.4	1437.7	1449.5	1458.7
-52.5°	1120.0	1149.3	1169.6	1192.3	1220.5	1242.3	1259.2	1280.7	1296.7	1307.1	1315.3
-55°	1008.2	1035.8	1055.6	1080.3	1100.5	1115.1	1129.5	1150.5	1166.2	1176.8	1183.8
-57.5°	909.6	930.3	949.8	972.2	991.4	1007.4	1020.2	1031.8	1042.1	1050.8	1057.6
-60°	817.3	834.1	851.9	869.5	884.0	895.5	909.3	919.8	926.5	930.6	936.2
-62.5°	728.5	743.7	759.4	773.6	785.1	794.8	805.9	814.6	820.8	825.2	828.4
-65°	644.1	657.2	670.5	682.3	692.3	700.6	708.5	714.6	718.9	722.6	725.5
-67.5°	565.2	575.5	584.8	593.0	600.5	607.6	614.5	619.2	621.7	624.7	627.7
-70°	489.0	497.2	503.4	508.3	512.7	518.3	525.0	529.6	532.3	535.2	537.9
-72.5°	415.3	421.3	426.4	430.5	432.9	436.5	441.1	444.8	447.7	449.9	450.9
-75°	344.4	349.3	353.8	356.9	358.8	361.4	363.7	364.9	365.1	366.1	366.8
-77.5°	275.1	279.9	284.1	287.1	288.9	291.0	292.7	293.6	293.8	293.9	293.3
-80°	214.8	218.1	220.8	222.9	224.3	225.7	226.6	226.7	226.3	226.7	226.9
-82.5°	156.0	159.0	161.4	163.2	164.5	166.0	167.2	168.0	168.5	168.7	168.5
-85°	101.0	102.3	103.6	104.8	105.9	106.5	106.9	107.0	106.7	106.8	106.7
-87.5°	50.5	49.9	49.1	48.1	47.0	47.3	47.5	47.6	47.6	48.1	48.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-927-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°	33.6	34.4	32.0	29.6	32.0	34.4	33.6	32.7	31.8	30.9	32.9
85°	112.0	112.8	110.8	108.4	110.8	112.8	112.0	111.0	109.6	107.9	108.9
82.5°	213.6	213.3	211.7	209.5	211.7	213.3	213.6	213.4	212.4	210.9	212.2
80°	325.9	323.7	322.5	320.4	322.5	323.7	325.9	327.0	327.2	326.6	328.8
77.5°	456.1	453.6	457.6	460.8	457.6	453.6	456.1	457.2	457.0	457.2	466.6
75°	632.3	627.5	622.8	616.1	622.8	627.5	632.3	634.8	634.7	635.1	645.7
72.5°	837.0	833.2	829.4	823.1	829.4	833.2	837.0	838.0	836.0	837.9	854.3
70°	1081.0	1069.5	1071.4	1072.0	1071.4	1069.5	1081.0	1087.5	1088.6	1092.4	1106.7
67.5°	1387.9	1377.5	1378.8	1377.6	1378.8	1377.5	1387.9	1392.4	1390.8	1394.7	1406.2
65°	1759.5	1747.8	1733.6	1712.7	1733.6	1747.8	1759.5	1762.8	1757.3	1753.3	1751.6
62.5°	2158.4	2148.0	2154.0	2158.8	2154.0	2148.0	2158.4	2159.4	2151.2	2149.8	2143.6
60°	2601.4	2586.9	2579.6	2567.9	2579.6	2586.9	2601.4	2603.2	2591.7	2590.2	2582.2
57.5°	3148.5	3145.8	3139.4	3122.4	3139.4	3145.8	3148.5	3136.0	3109.0	3102.4	3079.4
55°	3755.1	3751.7	3765.7	3782.8	3765.7	3751.7	3755.1	3738.3	3702.5	3682.3	3648.7
52.5°	4412.5	4423.6	4419.6	4396.4	4419.6	4423.6	4412.5	4381.0	4338.2	4304.8	4244.1
50°	5063.3	5075.7	5089.1	5101.3	5089.1	5075.7	5063.3	5026.8	4985.4	4953.6	4898.0
47.5°	5800.7	5833.6	5839.3	5815.9	5839.3	5833.6	5800.7	5739.6	5695.3	5645.0	5540.2
45°	6638.6	6658.5	6668.5	6688.3	6668.5	6658.5	6638.6	6573.1	6540.5	6488.7	6385.5
42.5°	7695.0	7717.9	7721.5	7743.1	7721.5	7717.9	7695.0	7610.9	7581.8	7482.6	7336.4
40°	8948.9	8986.0	8979.5	8970.3	8979.5	8986.0	8948.9	8855.0	8833.0	8735.8	8612.2
37.5°	10416.7	10479.8	10486.4	10525.3	10486.4	10479.8	10416.7	10318.9	10249.5	10063.6	9982.4
35°	12063.9	12138.2	12125.4	12144.4	12125.4	12138.2	12063.9	11960.1	11859.8	11692.4	11488.4
32.5°	13725.5	13837.0	13859.4	13953.3	13859.4	13837.0	13725.5	13577.2	13416.1	13195.5	12923.2
30°	15031.1	15187.3	15289.3	15281.6	15289.3	15187.3	15031.1	14832.7	14702.5	14328.7	14032.1
27.5°	15571.8	15774.3	15963.8	16020.9	15963.8	15774.3	15571.8	15328.2	15251.4	14718.3	14531.4
25°	15044.2	15192.1	15359.5	15449.2	15359.5	15192.1	15044.2	14875.4	14612.1	14269.2	14000.9
22.5°	13960.0	14056.2	14113.2	14066.7	14113.2	14056.2	13960.0	13846.3	13599.2	13333.2	13038.8
20°	12976.2	13097.9	13120.6	13169.6	13120.6	13097.9	12976.2	12830.7	12690.1	12461.8	12207.1
17.5°	12244.0	12323.7	12370.5	12381.0	12370.5	12323.7	12244.0	12107.0	11978.4	11772.9	11549.5
15°	11670.1	11734.0	11776.0	11794.5	11776.0	11734.0	11670.1	11559.7	11420.5	11243.6	11050.5
12.5°	11263.4	11341.3	11379.5	11402.7	11379.5	11341.3	11263.4	11169.6	11026.6	10887.7	10685.1
10°	11002.6	11077.8	11108.1	11119.3	11108.1	11077.8	11002.6	10912.7	10800.0	10644.2	10462.4
7.5°	10815.3	10863.6	10884.0	10899.9	10884.0	10863.6	10815.3	10743.9	10625.9	10464.7	10284.6
5°	10664.3	10702.7	10724.3	10747.1	10724.3	10702.7	10664.3	10579.6	10466.7	10323.0	10136.5
2.5°	10458.7	10513.6	10551.6	10574.6	10551.6	10513.6	10458.7	10382.2	10286.0	10149.1	9954.9
0°	10256.7	10308.5	10335.6	10380.0	10335.6	10308.5	10256.7	10180.3	10084.2	9948.7	9758.9
-2.5°	10034.7	10094.6	10165.8	10234.6	10165.8	10094.6	10034.7	9959.0	9874.7	9739.7	9558.5
-5°	9864.9	9944.0	9958.9	10002.9	9958.9	9944.0	9864.9	9767.9	9653.5	9506.3	9331.8
-7.5°	9608.6	9644.7	9706.1	9717.0	9706.1	9644.7	9608.6	9524.7	9383.9	9223.2	9036.9
-10°	9213.8	9272.5	9310.8	9349.8	9310.8	9272.5	9213.8	9125.2	9006.7	8849.3	8678.5
-12.5°	8749.8	8818.9	8880.5	8871.8	8880.5	8818.9	8749.8	8669.6	8562.7	8423.2	8251.3
-15°	8297.8	8364.5	8406.8	8401.1	8406.8	8364.5	8297.8	8198.1	8101.8	7966.4	7817.4
-17.5°	7849.2	7910.0	7971.2	7969.8	7971.2	7910.0	7849.2	7763.0	7654.5	7530.3	7373.9
-20°	7385.9	7438.0	7503.6	7531.1	7503.6	7438.0	7385.9	7311.5	7184.2	7049.1	6888.9



REPORT NUMBER: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-927-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°	6850.3	6916.9	6964.6	6993.9	6964.6	6916.9	6850.3	6755.0	6642.6	6483.4	6341.9
-25°	6225.9	6294.3	6330.5	6343.3	6330.5	6294.3	6225.9	6153.2	6043.7	5889.9	5742.5
-27.5°	5536.1	5612.8	5650.0	5631.1	5650.0	5612.8	5536.1	5465.0	5344.5	5241.9	5098.7
-30°	4828.7	4877.8	4883.5	4926.3	4883.5	4877.8	4828.7	4775.3	4673.7	4575.7	4457.4
-32.5°	4130.7	4163.6	4144.9	4147.5	4144.9	4163.6	4130.7	4071.9	3989.9	3905.4	3824.3
-35°	3441.5	3467.8	3473.1	3521.6	3473.1	3467.8	3441.5	3411.1	3362.1	3270.2	3237.8
-37.5°	2887.5	2898.1	2881.8	2858.7	2881.8	2898.1	2887.5	2854.5	2822.7	2763.3	2740.0
-40°	2417.5	2425.7	2419.7	2407.7	2419.7	2425.7	2417.5	2394.0	2393.1	2363.6	2331.9
-42.5°	2079.5	2079.5	2074.0	2072.5	2074.0	2079.5	2079.5	2063.4	2059.4	2033.1	1992.0
-45°	1829.7	1832.3	1831.9	1831.0	1831.9	1832.3	1829.7	1818.3	1810.5	1792.7	1759.2
-47.5°	1636.0	1636.5	1634.0	1629.0	1634.0	1636.5	1636.0	1627.7	1616.0	1599.6	1573.9
-50°	1464.5	1464.5	1467.8	1473.7	1467.8	1464.5	1464.5	1458.7	1449.5	1437.7	1418.4
-52.5°	1319.6	1319.3	1321.1	1323.4	1321.1	1319.3	1319.6	1315.3	1307.1	1296.7	1280.7
-55°	1187.0	1186.3	1184.5	1180.4	1184.5	1186.3	1187.0	1183.8	1176.8	1166.2	1150.5
-57.5°	1060.1	1058.7	1055.5	1049.8	1055.5	1058.7	1060.1	1057.6	1050.8	1042.1	1031.8
-60°	939.3	939.9	938.3	934.0	938.3	939.9	939.3	936.2	930.6	926.5	919.8
-62.5°	829.2	827.5	827.2	825.6	827.2	827.5	829.2	828.4	825.2	820.8	814.6
-65°	726.0	724.3	724.9	724.5	724.9	724.3	726.0	725.5	722.6	718.9	714.6
-67.5°	628.9	628.4	628.9	628.4	628.9	628.4	628.9	627.7	624.7	621.7	619.2
-70°	539.5	539.7	536.9	532.3	536.9	539.7	539.5	537.9	535.2	532.3	529.6
-72.5°	450.7	449.1	449.3	448.5	449.3	449.1	450.7	450.9	449.9	447.7	444.8
-75°	366.6	365.6	368.0	369.7	368.0	365.6	366.6	366.8	366.1	365.1	364.9
-77.5°	291.9	289.7	291.7	293.3	291.7	289.7	291.9	293.3	293.9	293.8	293.6
-80°	226.6	225.8	225.3	224.3	225.3	225.8	226.6	226.9	226.7	226.3	226.7
-82.5°	167.9	166.9	166.2	165.1	166.2	166.9	167.9	168.5	168.7	168.5	168.0
-85°	106.2	105.6	107.1	108.4	107.1	105.6	106.2	106.7	106.8	106.7	107.0
-87.5°	48.9	49.1	48.0	46.8	48.0	49.1	48.9	48.6	48.1	47.6	47.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-927-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°	34.7	36.4	38.0	38.3	38.4	38.4	38.3	38.1	37.8	37.3	36.6
85°	109.6	110.0	110.1	111.9	113.0	113.4	112.9	111.0	108.3	104.9	100.8
82.5°	212.6	212.2	211.3	213.4	214.4	214.2	212.6	208.4	203.0	196.3	188.2
80°	329.8	329.4	328.8	333.4	335.6	335.5	332.4	324.8	314.9	304.8	294.6
77.5°	473.1	476.3	477.6	482.2	483.2	480.7	473.4	461.9	451.9	438.8	421.5
75°	653.1	657.2	660.1	664.4	664.7	660.8	653.3	639.4	621.0	598.1	567.4
72.5°	865.3	870.6	872.3	872.3	867.9	862.9	852.0	833.4	809.3	779.5	739.0
70°	1115.6	1119.1	1117.6	1110.5	1101.5	1089.8	1071.3	1045.2	1011.8	976.7	927.0
67.5°	1410.2	1406.4	1396.4	1382.3	1367.5	1345.1	1315.6	1278.0	1239.5	1195.5	1128.6
65°	1744.6	1732.9	1719.6	1700.7	1672.5	1634.9	1589.4	1541.9	1491.5	1430.2	1345.7
62.5°	2122.0	2084.4	2071.5	2053.1	2017.5	1965.2	1909.3	1849.0	1773.8	1686.0	1601.1
60°	2561.1	2529.1	2497.1	2454.7	2402.3	2337.1	2266.4	2184.7	2092.1	1994.3	1880.8
57.5°	3035.3	2992.6	2959.9	2903.3	2822.1	2745.7	2657.0	2544.4	2433.4	2320.1	2184.4
55°	3603.3	3544.5	3475.0	3396.0	3309.3	3210.2	3089.0	2957.5	2821.7	2665.7	2521.1
52.5°	4160.2	4107.9	4028.0	3914.6	3812.7	3709.2	3566.8	3412.6	3259.1	3097.4	2894.4
50°	4818.5	4739.0	4629.9	4498.0	4391.1	4250.0	4091.4	3904.3	3744.6	3559.5	3335.8
47.5°	5480.2	5428.3	5299.7	5146.7	5047.7	4883.9	4688.6	4479.2	4302.8	4051.1	3807.3
45°	6317.3	6222.8	6078.6	5947.0	5792.1	5610.1	5361.0	5160.9	4925.1	4650.2	4297.0
42.5°	7298.0	7161.6	6974.6	6864.0	6677.9	6438.2	6161.0	5909.0	5614.9	5293.5	4887.7
40°	8486.8	8261.7	8071.9	7893.8	7681.7	7365.5	7058.2	6722.7	6371.1	5975.7	5447.5
37.5°	9852.4	9613.8	9333.6	9039.2	8765.4	8404.5	7993.2	7598.1	7175.5	6580.7	5978.5
35°	11274.1	11001.9	10656.0	10299.2	9873.7	9368.1	8943.7	8477.8	7900.7	7128.8	6469.8
32.5°	12678.0	12231.0	11856.4	11471.2	10834.1	10209.8	9753.1	9339.1	8359.1	7562.7	6901.4
30°	13693.1	13127.4	12747.7	12220.3	11420.8	10852.5	10418.2	9558.8	8646.7	7865.2	7237.6
27.5°	13915.2	13496.5	13111.1	12319.6	11631.0	11128.5	10449.7	9573.7	8744.2	8008.9	7401.4
25°	13488.6	13106.2	12637.4	11979.4	11404.6	10888.1	10175.5	9382.0	8637.6	7989.3	7307.4
22.5°	12678.7	12329.2	11902.3	11388.8	10901.4	10374.5	9746.4	9058.8	8418.4	7811.5	7151.5
20°	11904.7	11590.3	11194.5	10787.6	10368.5	9868.8	9272.6	8710.5	8189.3	7601.6	6964.0
17.5°	11296.4	10971.2	10660.6	10307.8	9878.4	9367.9	8939.0	8475.8	7960.9	7376.9	6750.1
15°	10789.3	10544.4	10248.3	9876.5	9482.5	9119.0	8711.1	8237.5	7724.5	7134.1	6550.5
12.5°	10479.6	10217.9	9894.5	9603.5	9275.4	8895.0	8474.7	7991.5	7501.1	7006.6	6483.3
10°	10231.9	9984.2	9717.7	9411.4	9065.0	8670.4	8277.2	7857.3	7400.6	6915.2	6397.2
7.5°	10073.3	9817.7	9533.7	9235.2	8902.8	8548.2	8162.6	7744.7	7283.6	6799.2	6291.3
5°	9919.2	9664.7	9391.7	9105.1	8765.3	8411.4	8029.7	7610.7	7147.6	6658.9	6164.4
2.5°	9742.9	9502.0	9238.8	8952.3	8606.9	8253.8	7877.3	7453.1	6996.9	6527.1	6020.2
0°	9544.5	9322.7	9039.3	8751.0	8425.7	8080.7	7703.6	7269.9	6823.9	6380.3	5852.9
-2.5°	9356.0	9119.9	8858.3	8572.0	8260.3	7903.2	7528.5	7109.0	6653.5	6205.1	5689.3
-5°	9125.8	8896.3	8633.6	8334.7	8020.6	7668.1	7295.7	6890.3	6442.3	5998.9	5506.2
-7.5°	8829.4	8609.0	8360.7	8063.2	7742.6	7390.5	7013.8	6608.9	6172.4	5733.9	5254.9
-10°	8473.5	8239.0	7986.7	7709.4	7409.1	7076.4	6703.9	6299.6	5879.6	5442.8	4982.3
-12.5°	8056.0	7833.0	7580.3	7309.3	7013.3	6687.9	6343.0	5957.2	5564.6	5125.8	4688.9
-15°	7611.6	7415.5	7166.6	6882.9	6580.3	6272.0	5944.7	5576.8	5214.2	4784.8	4374.8
-17.5°	7185.9	6970.0	6724.5	6462.7	6159.3	5835.1	5518.6	5181.3	4830.6	4439.5	4064.3
-20°	6708.2	6489.7	6262.1	6010.2	5721.1	5409.1	5086.7	4764.9	4435.5	4094.9	3754.0



REPORT NUMBER: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-927-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6169.1	5977.8	5762.6	5524.3	5241.5	4948.6	4653.0	4349.1	4037.5	3744.3	3438.4
-25°	5591.0	5417.5	5206.1	4980.8	4731.0	4466.5	4207.4	3937.5	3669.2	3394.3	3123.0
-27.5°	4966.1	4805.2	4622.0	4424.6	4203.6	3988.8	3759.7	3527.1	3310.4	3067.9	2831.2
-30°	4325.7	4200.5	4043.2	3857.6	3703.8	3524.7	3316.8	3151.3	2963.6	2755.9	2563.1
-32.5°	3709.3	3608.4	3479.1	3355.7	3227.1	3084.0	2942.0	2788.4	2624.5	2476.6	2318.8
-35°	3153.4	3069.2	2998.9	2906.4	2786.1	2691.1	2581.6	2455.6	2330.4	2211.5	2084.9
-37.5°	2695.8	2620.9	2568.3	2499.6	2415.8	2327.1	2255.3	2168.8	2066.0	1971.1	1868.4
-40°	2303.2	2240.9	2202.7	2161.4	2104.1	2021.3	1976.0	1911.5	1840.8	1749.6	1666.9
-42.5°	1988.8	1959.4	1915.9	1889.8	1844.8	1788.7	1730.3	1693.2	1636.6	1565.4	1497.9
-45°	1748.6	1729.7	1692.2	1666.2	1633.1	1588.7	1529.4	1501.5	1458.7	1409.3	1345.4
-47.5°	1556.2	1542.3	1514.6	1480.4	1454.9	1416.4	1375.0	1335.6	1310.7	1268.3	1215.9
-50°	1396.7	1383.5	1358.8	1324.7	1301.4	1272.2	1239.3	1200.3	1176.5	1140.5	1096.9
-52.5°	1259.2	1242.3	1220.5	1192.3	1169.6	1149.3	1120.0	1084.1	1052.9	1028.2	996.2
-55°	1129.5	1115.1	1100.5	1080.3	1055.6	1035.8	1008.2	977.2	951.5	930.1	902.8
-57.5°	1020.2	1007.4	991.4	972.2	949.8	930.3	909.6	885.6	859.0	839.1	813.6
-60°	909.3	895.5	884.0	869.5	851.9	834.1	817.3	796.7	772.4	752.5	730.3
-62.5°	805.9	794.8	785.1	773.6	759.4	743.7	728.5	711.3	691.1	670.5	652.0
-65°	708.5	700.6	692.3	682.3	670.5	657.2	644.1	629.6	613.3	595.1	577.7
-67.5°	614.5	607.6	600.5	593.0	584.8	575.5	565.2	552.7	539.1	524.3	509.7
-70°	525.0	518.3	512.7	508.3	503.4	497.2	489.0	479.3	468.2	456.6	443.6
-72.5°	441.1	436.5	432.9	430.5	426.4	421.3	415.3	408.5	400.5	391.4	379.3
-75°	363.7	361.4	358.8	356.9	353.8	349.3	344.4	339.4	333.0	325.2	315.4
-77.5°	292.7	291.0	288.9	287.1	284.1	279.9	275.1	271.3	267.0	261.0	253.4
-80°	226.6	225.7	224.3	222.9	220.8	218.1	214.8	211.0	206.0	200.2	194.6
-82.5°	167.2	166.0	164.5	163.2	161.4	159.0	156.0	153.2	149.9	146.2	142.2
-85°	106.9	106.5	105.9	104.8	103.6	102.3	101.0	99.7	98.2	96.3	94.1
-87.5°	47.5	47.3	47.0	48.1	49.1	49.9	50.5	49.8	49.1	48.1	47.0
-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: P559106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-927-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°	35.8	34.9	33.8	32.5	31.8	30.8	29.6	28.1	25.7	23.2	20.6
85°	95.6	89.7	83.2	75.9	69.0	61.6	59.2	56.2	51.3	46.3	41.1
82.5°	178.4	169.7	160.8	150.7	139.7	128.0	115.6	102.4	86.3	70.8	61.6
80°	281.6	267.1	251.3	233.9	214.7	194.2	177.4	158.9	136.1	114.1	92.9
77.5°	399.1	374.6	348.2	325.5	302.0	276.6	249.3	218.5	185.4	156.9	129.5
75°	529.9	499.1	467.3	432.8	396.1	359.0	326.6	288.9	244.1	200.3	165.7
72.5°	692.8	645.0	595.7	545.1	501.1	455.8	409.2	358.2	305.5	254.1	204.0
70°	867.1	801.2	739.4	678.5	615.1	552.5	498.4	435.3	366.1	306.9	249.4
67.5°	1052.6	980.7	902.1	815.8	739.6	665.5	589.5	513.1	435.7	358.8	293.9
65°	1263.4	1172.5	1074.3	979.6	878.5	779.5	694.6	593.7	503.7	418.9	337.4
62.5°	1495.2	1376.4	1269.6	1150.5	1032.3	915.6	796.1	682.5	572.6	477.5	385.8
60°	1757.7	1627.5	1477.5	1344.2	1201.6	1058.5	916.5	768.3	648.4	534.6	435.4
57.5°	2046.5	1893.5	1733.0	1556.7	1389.4	1220.0	1036.7	866.5	721.5	596.7	483.1
55°	2348.5	2176.5	1995.3	1801.3	1594.6	1399.2	1163.2	966.9	795.5	658.0	527.4
52.5°	2686.6	2480.9	2271.9	2053.2	1825.7	1573.2	1303.5	1061.6	878.4	716.7	574.4
50°	3076.0	2819.0	2570.8	2319.5	2059.8	1756.1	1434.7	1174.8	956.2	775.9	619.2
47.5°	3520.3	3208.3	2900.8	2599.2	2312.0	1926.0	1579.2	1282.8	1028.6	839.1	660.9
45°	3980.4	3636.7	3264.2	2915.4	2516.8	2098.0	1719.8	1382.3	1116.2	894.1	699.4
42.5°	4442.4	4070.3	3670.6	3234.4	2727.1	2260.9	1848.3	1494.1	1197.0	944.6	739.7
40°	4955.3	4502.5	4075.8	3530.7	2918.3	2409.2	1980.4	1598.8	1269.6	995.5	780.1
37.5°	5444.5	4943.8	4474.7	3756.8	3093.2	2560.8	2101.2	1692.6	1336.0	1050.5	816.7
35°	5901.2	5371.6	4675.8	3940.7	3266.8	2689.2	2208.1	1781.0	1406.5	1099.0	849.6
32.5°	6317.6	5645.7	4829.9	4084.2	3404.4	2794.0	2305.1	1859.8	1466.9	1140.9	878.7
30°	6601.6	5748.3	4935.7	4187.9	3507.1	2895.6	2384.1	1925.1	1517.1	1176.1	905.8
27.5°	6616.6	5795.9	4992.4	4252.6	3577.7	2970.1	2444.1	1977.0	1557.1	1209.0	933.9
25°	6564.7	5775.0	5000.7	4276.6	3615.1	3031.1	2490.1	2016.0	1594.0	1240.9	956.7
22.5°	6443.4	5700.6	4962.9	4260.4	3656.1	3073.2	2528.3	2049.3	1623.8	1264.9	974.6
20°	6290.2	5579.8	4899.6	4276.3	3676.7	3100.1	2556.9	2070.9	1643.1	1281.2	987.5
17.5°	6102.5	5483.9	4889.0	4273.3	3676.7	3108.0	2569.8	2080.8	1652.2	1290.1	995.5
15°	6016.2	5446.3	4856.9	4250.5	3656.5	3097.6	2567.5	2079.4	1651.6	1292.0	1001.1
12.5°	5946.8	5387.2	4804.9	4208.0	3616.7	3069.6	2550.5	2067.1	1641.7	1292.0	1005.3
10°	5859.0	5306.6	4732.8	4145.9	3558.2	3024.8	2519.5	2048.3	1636.7	1289.8	1005.6
7.5°	5752.0	5204.6	4641.0	4064.5	3487.9	2974.6	2487.7	2027.4	1626.4	1282.2	1002.1
5°	5627.9	5092.2	4542.3	3986.7	3434.3	2921.5	2445.8	1996.3	1609.1	1269.4	995.1
2.5°	5493.6	4975.9	4431.9	3892.3	3366.7	2855.5	2392.5	1955.9	1585.2	1251.8	984.6
0°	5337.8	4840.0	4302.8	3780.4	3285.0	2777.4	2328.8	1907.4	1555.0	1229.7	971.0
-2.5°	5201.0	4690.6	4163.8	3658.9	3166.0	2683.8	2259.4	1858.6	1521.5	1208.0	956.7
-5°	5041.9	4522.0	4008.4	3521.8	3034.5	2580.4	2181.6	1803.3	1482.7	1182.4	939.6
-7.5°	4808.2	4315.8	3831.4	3367.8	2892.2	2468.8	2096.6	1742.6	1439.1	1153.3	919.9
-10°	4544.9	4082.4	3630.9	3193.8	2754.0	2358.7	2006.9	1677.1	1391.2	1121.0	897.9
-12.5°	4266.6	3836.5	3419.3	3011.4	2611.5	2250.2	1921.0	1612.7	1340.1	1085.8	873.6
-15°	3975.2	3580.1	3198.3	2822.7	2464.3	2136.1	1830.9	1547.0	1289.9	1049.7	847.4
-17.5°	3678.6	3315.3	2969.6	2629.8	2314.1	2017.6	1737.7	1478.0	1236.8	1013.6	821.2
-20°	3407.8	3068.1	2736.6	2434.7	2162.6	1895.6	1642.3	1406.2	1181.4	975.5	794.6



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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°	3137.9	2839.8	2540.5	2253.3	2013.9	1771.0	1545.7	1332.2	1124.1	935.8	766.2
-25°	2869.1	2613.0	2349.1	2102.6	1869.9	1655.3	1452.3	1256.4	1065.4	894.6	736.1
-27.5°	2615.9	2391.7	2156.9	1951.6	1744.0	1541.4	1362.3	1184.4	1008.5	852.3	704.3
-30°	2374.3	2180.5	1984.4	1803.8	1619.5	1442.1	1272.1	1112.7	956.5	811.4	671.1
-32.5°	2151.1	1971.9	1819.9	1666.6	1505.1	1343.6	1188.4	1041.3	904.4	770.7	640.1
-35°	1943.6	1793.8	1660.1	1533.8	1394.6	1254.2	1112.0	970.6	852.2	728.8	609.5
-37.5°	1746.1	1635.9	1521.4	1409.1	1284.6	1166.5	1039.8	912.2	800.3	685.8	578.3
-40°	1583.7	1489.6	1394.0	1291.0	1187.1	1080.7	967.4	856.9	749.7	641.8	546.6
-42.5°	1429.0	1355.9	1273.4	1176.4	1096.6	1001.4	896.2	800.5	700.9	602.2	514.4
-45°	1291.2	1229.2	1159.0	1086.2	1009.8	922.9	833.3	743.8	651.9	565.0	483.3
-47.5°	1161.5	1115.4	1058.3	997.5	926.9	847.5	769.9	689.7	603.0	527.8	453.5
-50°	1052.2	1012.4	966.6	911.4	845.7	778.4	707.5	635.8	561.8	491.1	423.1
-52.5°	957.3	919.3	878.3	827.5	771.6	709.2	649.9	582.9	520.0	455.5	392.1
-55°	868.2	831.0	793.4	750.0	699.8	647.7	593.1	536.0	477.4	420.1	361.1
-57.5°	784.0	747.9	715.5	676.6	634.4	589.0	539.7	488.6	436.7	384.2	333.5
-60°	703.2	673.7	641.8	609.8	573.1	531.8	487.7	441.8	396.2	348.7	305.6
-62.5°	628.9	602.3	575.9	546.8	513.0	475.9	436.0	397.0	355.2	316.7	277.3
-65°	559.0	537.1	512.0	484.5	453.7	421.2	387.6	351.9	318.3	284.4	248.8
-67.5°	492.4	472.1	447.8	422.4	397.9	370.6	339.3	310.7	282.1	251.7	220.6
-70°	427.3	407.5	387.2	367.9	345.9	320.9	296.0	271.1	245.7	220.3	192.3
-72.5°	364.6	349.0	332.7	315.1	296.2	275.6	253.5	231.9	211.6	188.9	163.8
-75°	303.6	291.6	279.0	264.7	248.1	230.3	213.2	195.6	177.6	157.4	138.6
-77.5°	244.9	235.6	225.6	215.3	202.6	188.9	174.5	159.3	144.7	130.0	114.4
-80°	189.6	183.7	176.9	168.9	158.5	147.5	137.0	126.3	115.0	103.0	90.1
-82.5°	138.3	134.2	129.5	123.9	116.8	109.5	102.0	94.2	85.3	75.8	66.5
-85°	91.4	88.2	84.4	80.2	75.9	71.4	67.1	62.4	56.5	50.5	44.4
-87.5°	45.3	43.5	41.6	39.6	37.7	35.7	33.6	31.2	28.3	25.3	22.2
-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°	17.9	15.1	12.2	9.2	6.2	3.1	0.0
85°	35.7	30.1	24.4	18.5	12.4	6.1	0.0
82.5°	53.5	45.1	36.5	27.7	18.6	9.2	0.0
80°	72.7	60.0	48.6	36.8	24.8	12.2	0.0
77.5°	103.3	78.3	60.6	45.9	30.9	15.2	0.0
75°	133.5	102.7	73.7	54.9	36.9	18.2	0.0
72.5°	163.2	126.7	92.3	63.8	42.9	21.1	0.0
70°	193.4	150.2	110.6	73.5	48.8	24.0	0.0
67.5°	230.4	173.3	128.5	86.5	54.5	26.8	0.0
65°	266.3	198.9	146.0	99.3	60.2	29.6	0.0
62.5°	301.1	226.8	163.1	111.7	65.7	32.4	0.0
60°	334.5	253.8	179.6	123.8	71.1	35.0	0.0
57.5°	372.4	279.7	199.5	135.6	78.7	37.6	0.0
55°	409.1	304.4	218.7	146.9	86.1	40.2	0.0
52.5°	443.9	328.8	237.1	157.8	93.3	42.6	0.0
50°	476.6	355.4	254.7	168.3	100.2	45.0	0.0
47.5°	507.8	380.5	271.3	178.8	106.9	47.2	0.0
45°	540.5	403.8	286.9	190.5	113.2	49.4	0.0
42.5°	570.5	425.5	301.5	201.4	119.3	51.5	0.0
40°	597.9	445.4	316.3	211.9	125.1	53.5	0.0
37.5°	622.6	463.5	331.1	221.8	130.6	55.3	0.0
35°	644.6	481.5	344.7	231.1	135.8	57.1	0.0
32.5°	665.8	498.5	356.9	239.7	140.6	58.8	0.0
30°	688.5	513.3	367.8	247.6	145.1	60.3	0.0
27.5°	708.1	526.1	378.1	254.9	149.2	61.7	0.0
25°	724.7	536.9	387.3	261.5	153.0	63.0	0.0
22.5°	738.2	546.3	395.1	267.3	156.4	64.2	0.0
20°	748.7	555.6	401.7	272.5	159.4	65.2	0.0
17.5°	758.2	563.3	407.0	276.9	162.1	66.2	0.0
15°	765.8	569.4	411.1	280.7	164.4	67.0	0.0
12.5°	770.5	573.8	413.9	283.7	166.3	67.6	0.0
10°	772.4	576.6	415.7	286.0	167.8	68.2	0.0
7.5°	771.5	577.8	416.2	287.7	168.9	68.6	0.0
5°	768.1	577.3	415.7	288.6	169.7	68.8	0.0
2.5°	762.3	575.3	414.2	288.8	170.0	69.0	0.0
0°	754.1	571.7	411.6	288.3	170.0	69.0	0.0
-2.5°	745.5	566.3	409.6	287.0	169.6	69.1	0.0
-5°	734.8	559.4	406.7	285.0	168.8	69.1	0.0
-7.5°	722.1	551.2	402.8	282.4	167.7	68.9	0.0
-10°	707.6	541.7	398.0	279.1	166.1	68.6	0.0
-12.5°	691.4	531.0	392.3	275.2	164.3	68.1	0.0
-15°	673.4	519.3	385.8	270.8	162.0	67.6	0.0
-17.5°	654.0	506.5	378.3	265.7	159.5	66.9	0.0
-20°	633.8	492.9	370.1	260.1	156.6	66.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	613.6	478.5	361.0	253.9	153.4	65.1	0.0
-25°	592.1	464.0	351.0	247.2	149.9	63.9	0.0
-27.5°	569.6	449.0	340.4	240.1	146.1	62.7	0.0
-30°	546.1	433.0	328.9	232.4	142.1	61.4	0.0
-32.5°	521.6	416.1	317.2	224.3	137.7	59.9	0.0
-35°	498.8	398.3	304.7	215.7	133.1	58.3	0.0
-37.5°	476.2	380.5	291.7	206.7	128.3	56.5	0.0
-40°	452.8	363.3	278.2	197.4	123.2	54.7	0.0
-42.5°	428.6	345.5	264.7	187.7	117.9	52.7	0.0
-45°	403.7	327.2	251.3	177.7	112.4	50.6	0.0
-47.5°	378.1	308.4	237.4	167.2	106.7	48.5	0.0
-50°	354.7	289.1	223.1	157.9	100.7	46.2	0.0
-52.5°	331.3	269.4	208.3	148.8	94.6	43.8	0.0
-55°	307.5	250.3	193.1	139.3	88.4	41.3	0.0
-57.5°	283.3	231.0	177.5	129.7	81.9	38.7	0.0
-60°	259.0	211.3	161.7	119.7	75.3	36.1	0.0
-62.5°	235.2	191.2	148.3	109.6	69.7	33.4	0.0
-65°	211.0	170.7	134.6	99.2	63.9	30.6	0.0
-67.5°	186.4	151.7	120.7	88.7	58.0	27.7	0.0
-70°	161.5	134.3	106.6	77.9	51.9	24.8	0.0
-72.5°	140.1	116.7	92.3	68.3	45.7	21.8	0.0
-75°	119.1	98.9	77.9	58.7	39.4	18.8	0.0
-77.5°	97.9	80.9	64.8	49.1	33.0	15.7	0.0
-80°	76.5	64.2	52.0	39.4	26.5	12.6	0.0
-82.5°	57.3	48.3	39.1	29.6	19.9	9.5	0.0
-85°	38.2	32.2	26.1	19.8	13.3	6.3	0.0
-87.5°	19.1	16.1	13.0	9.9	6.7	3.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)