

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: P559094 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-940-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559094 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5D-940-U-NAT-XX
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (80) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

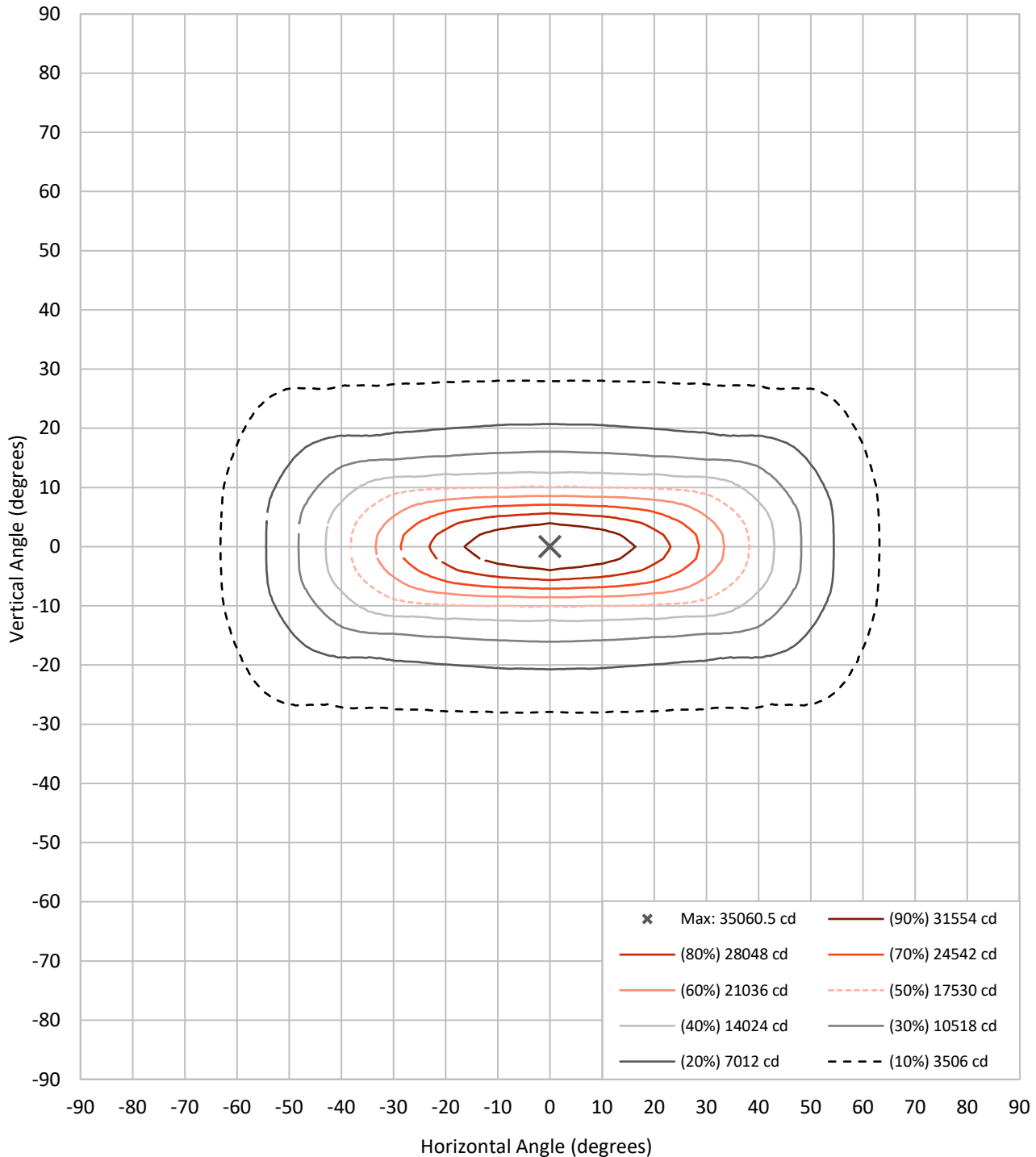
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	25109.7 lumens	Max Intensity:	35060.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	10046.3 lumens	Field Lumens:	20580 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 266
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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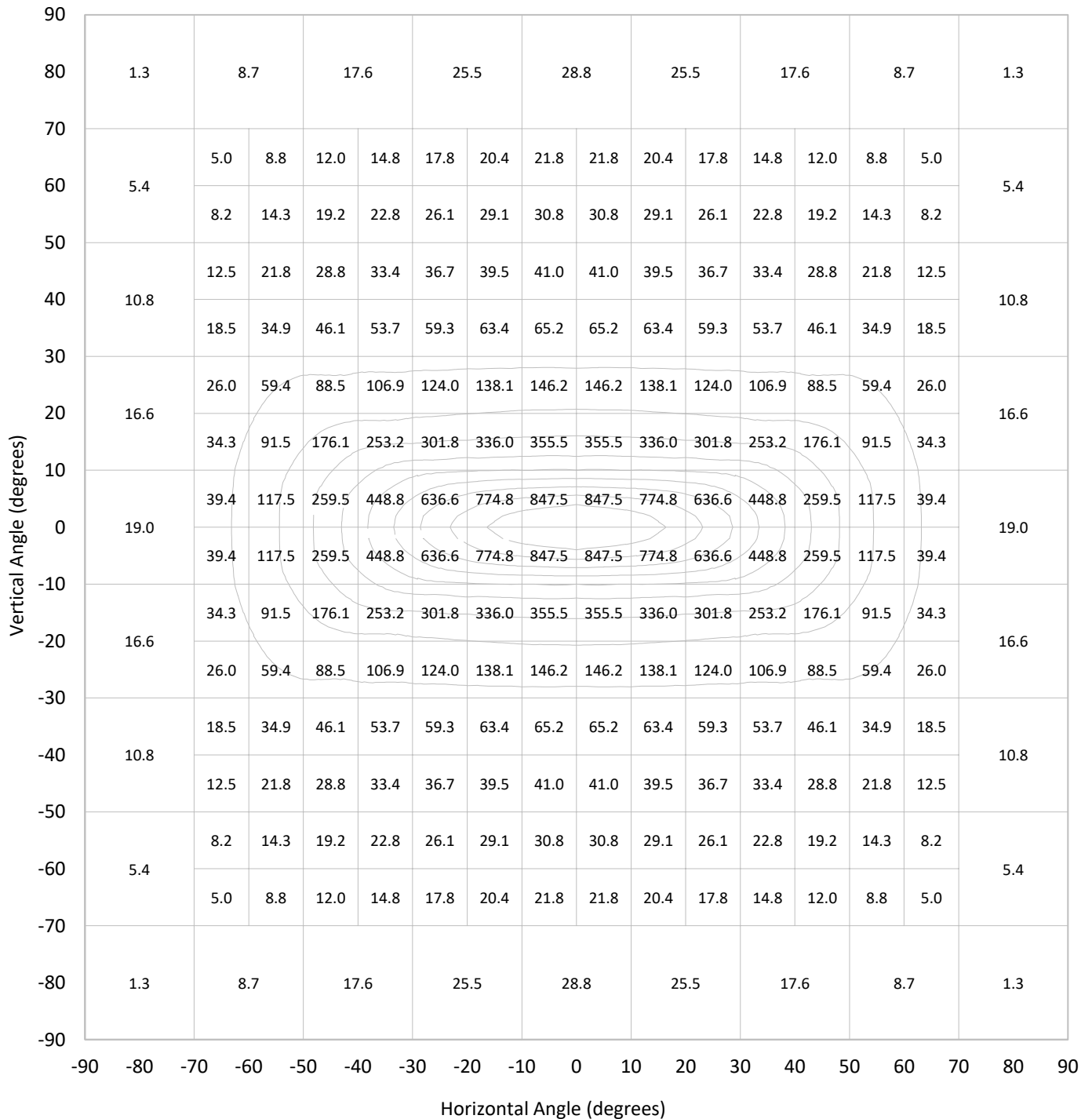
Iso-Candela Plot





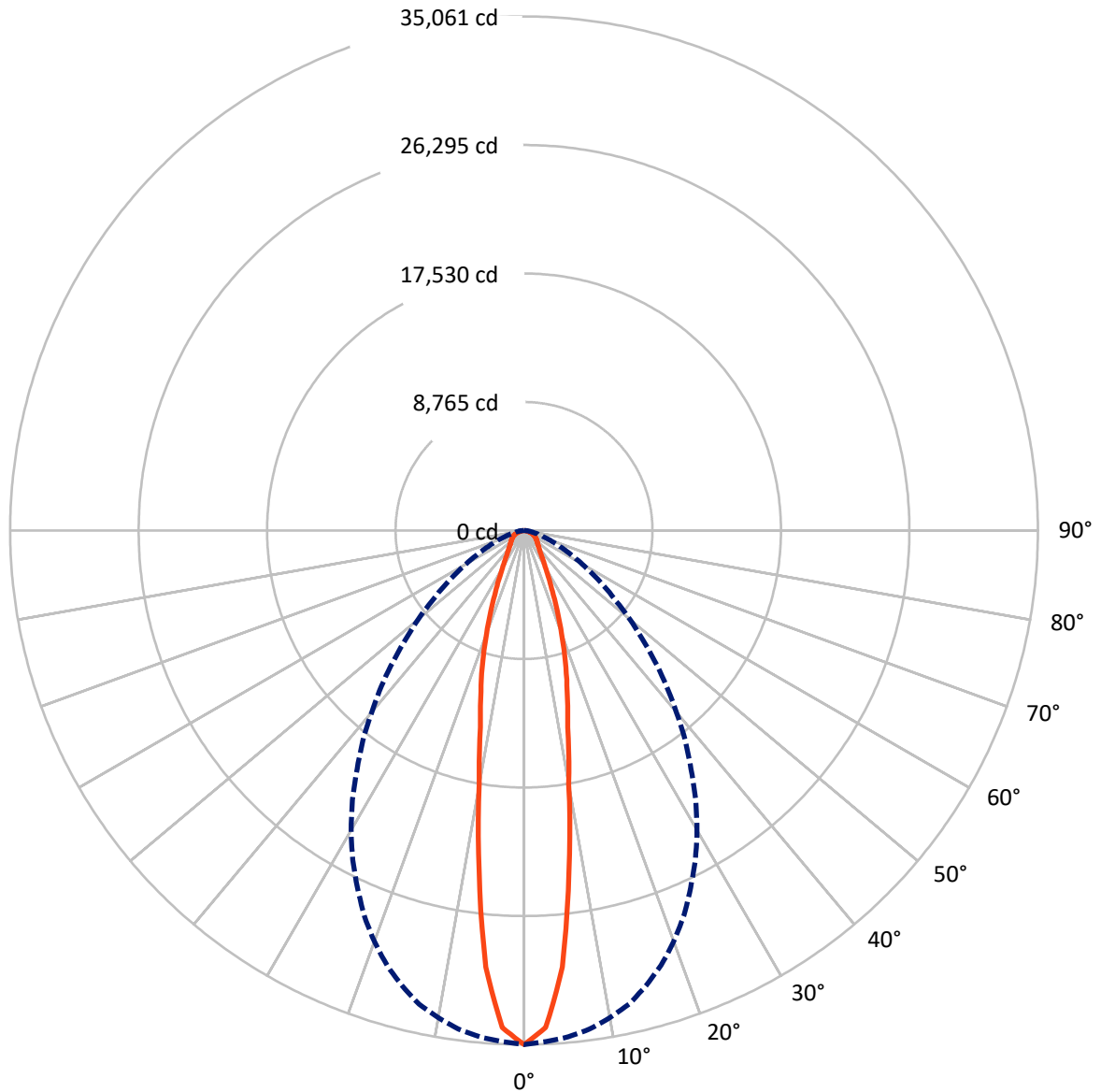
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Lumen Table



REPORT NUMBER: P559094 (CONVERTED FROM TYPE C PHOTOMETRY)
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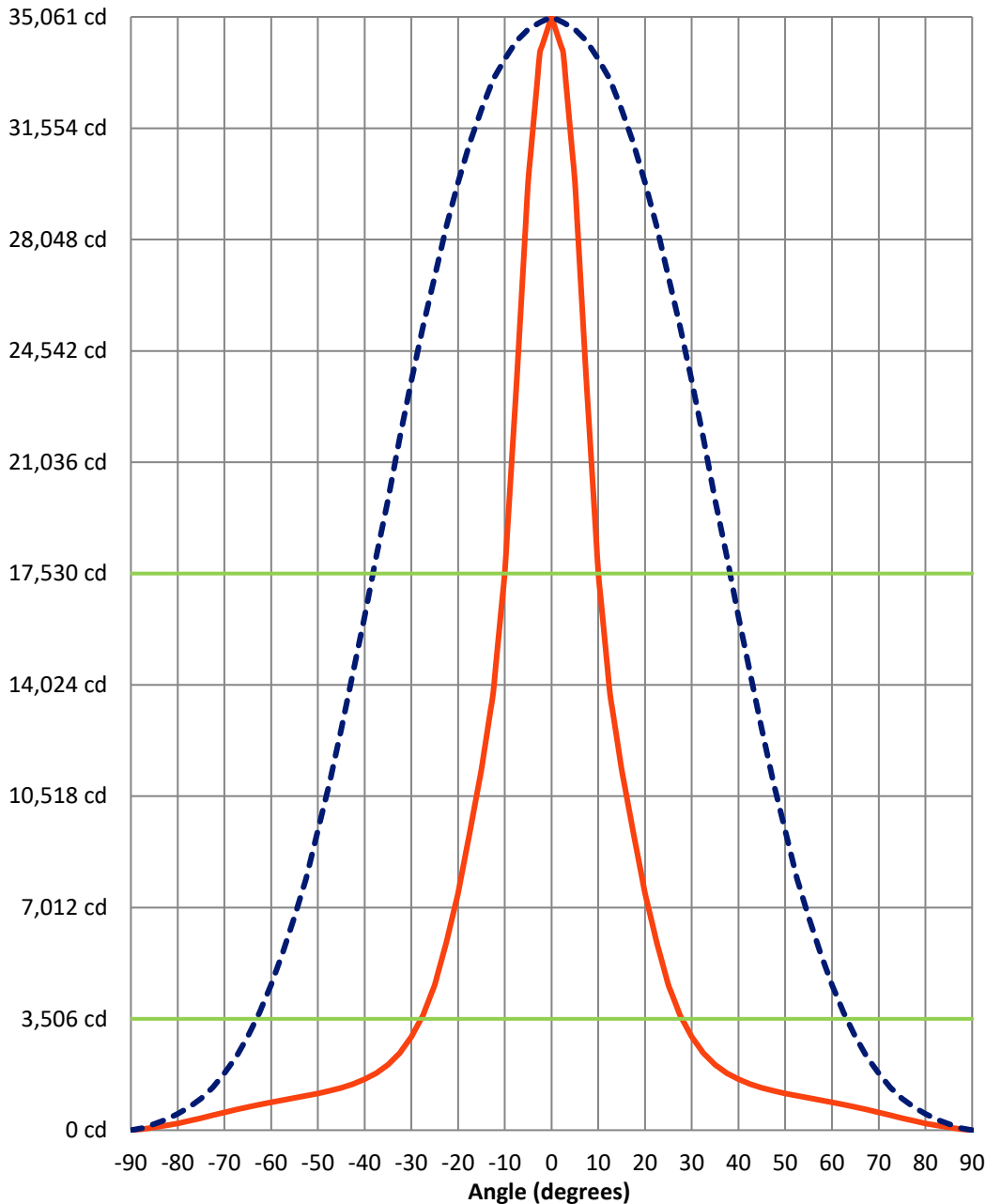
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 76.4°
 V Angle: 20°
 Lumens: 10046.3
 Efficiency: 40.0%

Field:
 H Angle: 126.3°
 V Angle: 55.8°
 Lumens: 20580
 Efficiency: 82.0%

Spill:
 Lumens: 4529.7
 Efficiency: 18.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 0-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	2.9	5.8	8.3	10.5	12.4	14.0	15.9	17.6	19.2	20.7
85°	0.0	5.8	11.6	16.6	21.0	24.8	28.0	31.7	35.2	38.4	41.3
82.5°	0.0	8.7	17.4	24.9	31.5	37.1	41.9	47.5	53.9	64.2	73.6
80°	0.0	11.6	23.2	33.2	41.9	49.5	57.5	73.1	87.6	100.8	112.6
77.5°	0.0	14.5	28.9	41.4	52.3	65.7	84.6	103.6	121.2	137.3	152.5
75°	0.0	17.3	34.6	49.6	64.3	89.1	111.6	133.9	155.2	176.7	195.1
72.5°	0.0	20.1	40.2	57.7	83.5	112.3	138.5	165.4	193.2	217.3	237.9
70°	0.0	22.9	45.7	67.0	102.5	135.3	165.9	200.1	231.2	258.2	284.8
67.5°	0.0	25.6	51.1	81.5	121.3	158.2	197.2	234.8	269.3	304.7	333.2
65°	0.0	28.3	56.5	95.9	140.0	183.0	228.3	269.4	313.3	351.5	385.1
62.5°	0.0	30.9	61.7	110.0	158.4	209.7	259.3	308.2	357.5	400.5	444.2
60°	0.0	33.4	66.8	123.9	176.5	236.3	290.1	348.7	401.9	456.0	503.8
57.5°	0.0	35.9	75.9	137.5	197.9	262.5	325.1	389.2	451.6	511.8	568.2
55°	0.0	38.4	84.8	150.9	219.1	288.4	360.2	429.4	502.5	569.6	636.3
52.5°	0.0	40.7	93.4	163.9	239.9	314.6	394.8	474.6	553.3	635.1	706.1
50°	0.0	43.0	101.8	176.7	260.3	343.3	429.0	520.7	607.0	701.6	789.2
47.5°	0.0	45.2	110.0	189.8	280.4	371.4	463.5	566.9	668.3	769.2	876.6
45°	0.0	47.3	117.8	204.4	299.9	398.9	503.5	613.2	730.9	851.7	967.1
42.5°	0.0	49.3	125.4	218.7	319.0	425.6	543.1	664.4	793.6	936.3	1070.3
40°	0.0	51.2	132.6	232.0	338.6	451.7	582.4	718.7	860.6	1022.4	1178.7
37.5°	0.0	53.1	139.5	244.4	358.5	476.9	621.2	772.3	936.6	1112.7	1290.7
35°	0.0	54.8	146.1	256.0	377.7	505.5	659.4	825.2	1012.2	1212.6	1412.1
32.5°	0.0	56.4	152.3	266.8	396.1	535.5	698.5	877.1	1087.4	1313.9	1545.6
30°	0.0	57.9	158.1	276.8	413.6	564.6	740.4	930.6	1161.7	1416.0	1682.2
27.5°	0.0	59.3	163.6	286.0	428.2	592.5	780.8	991.1	1239.4	1518.6	1821.2
25°	0.0	60.6	168.7	294.3	441.6	619.3	819.7	1049.9	1323.3	1630.2	1962.3
22.5°	0.0	61.8	173.4	301.8	454.1	643.3	856.8	1106.6	1405.5	1745.6	2116.6
20°	0.0	62.9	177.6	308.5	465.5	661.5	892.1	1161.0	1485.7	1859.4	2269.5
17.5°	0.0	63.8	181.5	314.4	475.9	677.5	918.7	1212.7	1563.1	1970.6	2420.0
15°	0.0	64.6	184.9	319.4	485.1	691.3	938.5	1253.4	1637.3	2078.4	2566.6
12.5°	0.0	65.3	187.8	323.5	493.2	702.9	955.5	1279.8	1690.4	2181.6	2708.1
10°	0.0	65.9	190.3	326.8	500.0	712.3	969.6	1301.8	1724.4	2230.3	2818.5
7.5°	0.0	66.3	192.3	329.3	505.6	719.5	980.7	1319.1	1751.8	2262.3	2868.4
5°	0.0	66.6	193.9	331.0	509.9	724.5	988.7	1331.8	1772.5	2284.5	2907.2
2.5°	0.0	66.8	194.9	331.8	512.9	727.3	993.7	1339.7	1786.4	2297.0	2934.0
0°	0.0	66.9	195.5	331.9	514.5	728.1	995.6	1342.9	1793.2	2300.0	2948.3
-2.5°	0.0	66.8	194.9	331.8	512.9	727.3	993.7	1339.7	1786.4	2297.0	2934.0
-5°	0.0	66.6	193.9	331.0	509.9	724.5	988.7	1331.8	1772.5	2284.5	2907.2
-7.5°	0.0	66.3	192.3	329.3	505.6	719.5	980.7	1319.1	1751.8	2262.3	2868.4
-10°	0.0	65.9	190.3	326.8	500.0	712.3	969.6	1301.8	1724.4	2230.3	2818.5
-12.5°	0.0	65.3	187.8	323.5	493.2	702.9	955.5	1279.8	1690.4	2181.6	2708.1
-15°	0.0	64.6	184.9	319.4	485.1	691.3	938.5	1253.4	1637.3	2078.4	2566.6
-17.5°	0.0	63.8	181.5	314.4	475.9	677.5	918.7	1212.7	1563.1	1970.6	2420.0
-20°	0.0	62.9	177.6	308.5	465.5	661.5	892.1	1161.0	1485.7	1859.4	2269.5



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 CATALOG NUMBER: GFLD-SA5D-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	61.8	173.4	301.8	454.1	643.3	856.8	1106.6	1405.5	1745.6	2116.6
-25°	0.0	60.6	168.7	294.3	441.6	619.3	819.7	1049.9	1323.3	1630.2	1962.3
-27.5°	0.0	59.3	163.6	286.0	428.2	592.5	780.8	991.1	1239.4	1518.6	1821.2
-30°	0.0	57.9	158.1	276.8	413.6	564.6	740.4	930.6	1161.7	1416.0	1682.2
-32.5°	0.0	56.4	152.3	266.8	396.1	535.5	698.5	877.1	1087.4	1313.9	1545.6
-35°	0.0	54.8	146.1	256.0	377.7	505.5	659.4	825.2	1012.2	1212.6	1412.1
-37.5°	0.0	53.1	139.5	244.4	358.5	476.9	621.2	772.3	936.6	1112.7	1290.7
-40°	0.0	51.2	132.6	232.0	338.6	451.7	582.4	718.7	860.6	1022.4	1178.7
-42.5°	0.0	49.3	125.4	218.7	319.0	425.6	543.1	664.4	793.6	936.3	1070.3
-45°	0.0	47.3	117.8	204.4	299.9	398.9	503.5	613.2	730.9	851.7	967.1
-47.5°	0.0	45.2	110.0	189.8	280.4	371.4	463.5	566.9	668.3	769.2	876.6
-50°	0.0	43.0	101.8	176.7	260.3	343.3	429.0	520.7	607.0	701.6	789.2
-52.5°	0.0	40.7	93.4	163.9	239.9	314.6	394.8	474.6	553.3	635.1	706.1
-55°	0.0	38.4	84.8	150.9	219.1	288.4	360.2	429.4	502.5	569.6	636.3
-57.5°	0.0	35.9	75.9	137.5	197.9	262.5	325.1	389.2	451.6	511.8	568.2
-60°	0.0	33.4	66.8	123.9	176.5	236.3	290.1	348.7	401.9	456.0	503.8
-62.5°	0.0	30.9	61.7	110.0	158.4	209.7	259.3	308.2	357.5	400.5	444.2
-65°	0.0	28.3	56.5	95.9	140.0	183.0	228.3	269.4	313.3	351.5	385.1
-67.5°	0.0	25.6	51.1	81.5	121.3	158.2	197.2	234.8	269.3	304.7	333.2
-70°	0.0	22.9	45.7	67.0	102.5	135.3	165.9	200.1	231.2	258.2	284.8
-72.5°	0.0	20.1	40.2	57.7	83.5	112.3	138.5	165.4	193.2	217.3	237.9
-75°	0.0	17.3	34.6	49.6	64.3	89.1	111.6	133.9	155.2	176.7	195.1
-77.5°	0.0	14.5	28.9	41.4	52.3	65.7	84.6	103.6	121.2	137.3	152.5
-80°	0.0	11.6	23.2	33.2	41.9	49.5	57.5	73.1	87.6	100.8	112.6
-82.5°	0.0	8.7	17.4	24.9	31.5	37.1	41.9	47.5	53.9	64.2	73.6
-85°	0.0	5.8	11.6	16.6	21.0	24.8	28.0	31.7	35.2	38.4	41.3
-87.5°	0.0	2.9	5.8	8.3	10.5	12.4	14.0	15.9	17.6	19.2	20.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559094 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-940-U-NAT-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°	22.3	23.8	25.2	26.6	27.8	28.9	30.0	30.9	32.2	33.5	34.7
85°	44.5	47.6	52.7	56.9	60.7	64.1	67.0	69.3	71.8	73.9	75.4
82.5°	81.9	88.8	94.2	98.4	103.1	107.2	110.7	113.8	117.0	120.0	122.6
80°	122.4	130.1	138.2	145.2	152.1	157.2	160.5	161.8	165.9	171.1	176.4
77.5°	165.9	177.7	188.2	197.2	204.5	210.9	215.5	218.3	224.8	232.3	238.8
75°	211.1	225.5	239.9	252.5	262.5	269.9	275.3	279.8	287.5	297.4	305.8
72.5°	258.1	277.5	294.6	309.3	322.7	332.9	340.6	345.5	353.3	364.9	374.2
70°	307.6	329.8	352.9	371.9	386.2	398.3	408.3	415.2	422.2	434.0	442.7
67.5°	358.9	390.5	416.2	436.2	452.2	467.0	478.3	485.7	488.9	500.7	510.6
65°	419.2	453.1	481.7	504.3	520.2	538.5	551.2	557.4	559.4	572.3	584.4
62.5°	480.7	518.3	549.6	575.4	596.2	613.6	627.7	635.7	637.0	646.5	660.5
60°	546.4	584.8	622.1	653.2	675.4	693.3	708.6	717.1	718.8	722.7	738.6
57.5°	614.8	656.3	699.8	734.8	760.6	775.4	792.2	801.6	805.3	803.0	819.4
55°	689.3	732.4	781.5	822.2	849.9	863.3	879.0	892.4	897.0	894.0	903.8
52.5°	773.6	816.6	869.0	913.7	944.5	960.7	971.8	987.9	995.3	992.0	990.1
50°	862.3	916.3	959.6	1010.7	1048.0	1069.2	1069.5	1089.6	1099.2	1096.3	1083.0
47.5°	962.6	1023.6	1056.3	1114.9	1163.3	1188.3	1190.0	1198.0	1209.9	1213.1	1201.7
45°	1071.1	1145.4	1180.6	1232.9	1287.1	1317.7	1327.0	1312.7	1334.0	1340.6	1333.5
42.5°	1185.2	1280.1	1335.7	1356.9	1420.0	1462.5	1479.0	1468.9	1467.8	1482.7	1482.4
40°	1317.1	1426.0	1509.5	1531.6	1563.5	1622.2	1657.0	1655.1	1616.2	1643.9	1651.1
37.5°	1458.1	1599.6	1702.8	1748.8	1724.6	1802.9	1853.9	1874.4	1850.2	1822.8	1854.0
35°	1606.4	1785.3	1924.4	2002.7	2006.3	2004.4	2084.2	2126.9	2129.8	2079.9	2091.2
32.5°	1772.4	1982.4	2166.7	2293.4	2350.9	2315.4	2336.1	2425.9	2469.9	2450.9	2378.9
30°	1950.7	2208.4	2434.5	2613.1	2741.6	2779.4	2693.8	2763.8	2861.3	2900.2	2868.9
27.5°	2131.1	2448.2	2734.8	2982.4	3181.4	3307.6	3310.6	3202.3	3312.9	3406.7	3442.9
25°	2314.2	2688.1	3053.4	3388.9	3690.1	3907.0	4006.8	4018.3	3863.7	4004.3	4135.2
22.5°	2509.5	2935.0	3368.4	3821.8	4241.6	4559.9	4801.9	4947.6	4942.9	4795.4	4910.5
20°	2716.1	3203.7	3708.4	4246.2	4818.7	5256.3	5661.7	5971.8	6158.5	6220.5	6099.7
17.5°	2922.2	3474.8	4065.3	4705.8	5368.3	5974.9	6582.6	7077.4	7469.4	7791.3	7906.4
15°	3125.9	3745.2	4423.5	5168.6	5934.0	6693.4	7474.7	8232.6	8899.6	9488.6	9837.8
12.5°	3324.8	4012.0	4779.0	5629.3	6507.7	7421.9	8354.1	9277.3	10238.4	11192.3	11917.3
10°	3516.7	4271.7	5127.1	6081.9	7080.9	8150.0	9232.0	10327.6	11495.1	12620.1	13703.2
7.5°	3598.7	4441.5	5427.0	6520.3	7644.4	8866.9	10096.5	11368.4	12732.6	14045.3	15367.8
5°	3649.3	4508.9	5511.3	6650.3	7900.8	9334.8	10801.9	12377.4	13934.1	15445.5	17003.9
2.5°	3682.9	4555.0	5567.6	6701.7	7939.1	9411.7	10897.1	12533.1	14279.7	16027.2	17882.5
0°	3699.5	4579.4	5595.6	6717.3	7934.2	9436.6	10933.9	12621.6	14391.6	16169.3	18068.0
-2.5°	3682.9	4555.0	5567.6	6701.7	7939.1	9411.7	10897.1	12533.1	14279.7	16027.2	17882.5
-5°	3649.3	4508.9	5511.3	6650.3	7900.8	9334.8	10801.9	12377.4	13934.1	15445.5	17003.9
-7.5°	3598.7	4441.5	5427.0	6520.3	7644.4	8866.9	10096.5	11368.4	12732.6	14045.3	15367.8
-10°	3516.7	4271.7	5127.1	6081.9	7080.9	8150.0	9232.0	10327.6	11495.1	12620.1	13703.2
-12.5°	3324.8	4012.0	4779.0	5629.3	6507.7	7421.9	8354.1	9277.3	10238.4	11192.3	11917.3
-15°	3125.9	3745.2	4423.5	5168.6	5934.0	6693.4	7474.7	8232.6	8899.6	9488.6	9837.8
-17.5°	2922.2	3474.8	4065.3	4705.8	5368.3	5974.9	6582.6	7077.4	7469.4	7791.3	7906.4
-20°	2716.1	3203.7	3708.4	4246.2	4818.7	5256.3	5661.7	5971.8	6158.5	6220.5	6099.7



REPORT NUMBER: P559094 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2509.5	2935.0	3368.4	3821.8	4241.6	4559.9	4801.9	4947.6	4942.9	4795.4	4910.5
-25°	2314.2	2688.1	3053.4	3388.9	3690.1	3907.0	4006.8	4018.3	3863.7	4004.3	4135.2
-27.5°	2131.1	2448.2	2734.8	2982.4	3181.4	3307.6	3310.6	3202.3	3312.9	3406.7	3442.9
-30°	1950.7	2208.4	2434.5	2613.1	2741.6	2779.4	2693.8	2763.8	2861.3	2900.2	2868.9
-32.5°	1772.4	1982.4	2166.7	2293.4	2350.9	2315.4	2336.1	2425.9	2469.9	2450.9	2378.9
-35°	1606.4	1785.3	1924.4	2002.7	2006.3	2004.4	2084.2	2126.9	2129.8	2079.9	2091.2
-37.5°	1458.1	1599.6	1702.8	1748.8	1724.6	1802.9	1853.9	1874.4	1850.2	1822.8	1854.0
-40°	1317.1	1426.0	1509.5	1531.6	1563.5	1622.2	1657.0	1655.1	1616.2	1643.9	1651.1
-42.5°	1185.2	1280.1	1335.7	1356.9	1420.0	1462.5	1479.0	1468.9	1467.8	1482.7	1482.4
-45°	1071.1	1145.4	1180.6	1232.9	1287.1	1317.7	1327.0	1312.7	1334.0	1340.6	1333.5
-47.5°	962.6	1023.6	1056.3	1114.9	1163.3	1188.3	1190.0	1198.0	1209.9	1213.1	1201.7
-50°	862.3	916.3	959.6	1010.7	1048.0	1069.2	1069.5	1089.6	1099.2	1096.3	1083.0
-52.5°	773.6	816.6	869.0	913.7	944.5	960.7	971.8	987.9	995.3	992.0	990.1
-55°	689.3	732.4	781.5	822.2	849.9	863.3	879.0	892.4	897.0	894.0	903.8
-57.5°	614.8	656.3	699.8	734.8	760.6	775.4	792.2	801.6	805.3	803.0	819.4
-60°	546.4	584.8	622.1	653.2	675.4	693.3	708.6	717.1	718.8	722.7	738.6
-62.5°	480.7	518.3	549.6	575.4	596.2	613.6	627.7	635.7	637.0	646.5	660.5
-65°	419.2	453.1	481.7	504.3	520.2	538.5	551.2	557.4	559.4	572.3	584.4
-67.5°	358.9	390.5	416.2	436.2	452.2	467.0	478.3	485.7	488.9	500.7	510.6
-70°	307.6	329.8	352.9	371.9	386.2	398.3	408.3	415.2	422.2	434.0	442.7
-72.5°	258.1	277.5	294.6	309.3	322.7	332.9	340.6	345.5	353.3	364.9	374.2
-75°	211.1	225.5	239.9	252.5	262.5	269.9	275.3	279.8	287.5	297.4	305.8
-77.5°	165.9	177.7	188.2	197.2	204.5	210.9	215.5	218.3	224.8	232.3	238.8
-80°	122.4	130.1	138.2	145.2	152.1	157.2	160.5	161.8	165.9	171.1	176.4
-82.5°	81.9	88.8	94.2	98.4	103.1	107.2	110.7	113.8	117.0	120.0	122.6
-85°	44.5	47.6	52.7	56.9	60.7	64.1	67.0	69.3	71.8	73.9	75.4
-87.5°	22.3	23.8	25.2	26.6	27.8	28.9	30.0	30.9	32.2	33.5	34.7
-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):

	-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°	35.8	35.2	34.5	33.7	32.6	32.7	32.6	32.5	32.3	32.0	31.7
85°	76.6	78.0	79.4	80.8	82.0	83.3	84.5	85.4	86.1	86.1	85.8
82.5°	124.7	128.9	133.0	137.0	140.6	142.6	144.1	145.0	145.5	146.7	147.6
80°	181.0	187.2	192.8	197.5	201.3	204.2	206.5	208.3	209.7	211.1	212.1
77.5°	244.9	251.7	258.3	264.0	268.9	273.5	277.4	280.6	282.9	286.5	289.8
75°	312.8	320.5	328.6	335.8	342.2	349.0	355.7	361.8	367.3	371.9	375.4
72.5°	381.4	389.5	399.5	408.7	417.4	426.5	435.4	443.3	450.1	456.5	462.3
70°	449.3	456.9	469.6	482.0	493.5	504.5	515.3	525.0	533.6	541.8	549.3
67.5°	519.2	527.3	543.1	557.4	570.2	582.2	594.8	606.0	615.8	624.6	632.2
65°	593.9	601.0	618.2	633.8	647.3	658.6	672.2	684.4	695.4	705.0	713.2
62.5°	671.2	678.3	692.5	707.9	720.7	731.5	747.5	761.3	773.0	782.8	791.0
60°	749.6	755.7	766.6	783.6	798.0	809.8	823.8	837.3	848.7	858.3	866.9
57.5°	831.0	837.1	842.4	859.4	873.3	884.1	896.4	909.5	920.6	929.7	938.6
55°	915.1	919.9	918.2	934.0	946.9	955.7	964.9	978.8	989.8	997.8	1005.9
52.5°	1001.2	1006.8	1002.9	1009.5	1023.7	1031.6	1035.6	1050.6	1061.8	1069.0	1076.5
50°	1096.9	1101.4	1097.9	1094.1	1107.9	1116.1	1118.3	1130.4	1140.7	1146.3	1151.5
47.5°	1200.7	1206.2	1203.4	1188.4	1200.7	1211.1	1211.4	1216.6	1227.2	1231.4	1234.6
45°	1313.6	1324.3	1322.0	1311.6	1309.9	1320.5	1319.5	1315.3	1327.5	1333.0	1334.7
42.5°	1461.8	1458.3	1461.6	1455.6	1436.9	1448.9	1450.4	1435.2	1450.5	1457.1	1453.2
40°	1643.1	1610.0	1628.3	1625.6	1608.1	1605.5	1615.0	1602.6	1604.9	1614.3	1607.0
37.5°	1858.9	1835.3	1825.4	1833.6	1828.4	1806.1	1823.9	1819.6	1805.5	1821.3	1814.3
35°	2124.6	2117.5	2064.2	2096.6	2103.4	2082.1	2088.2	2097.4	2066.8	2090.9	2088.4
32.5°	2435.1	2450.9	2439.4	2419.5	2449.8	2453.6	2418.6	2460.7	2443.7	2449.7	2466.3
30°	2786.9	2867.6	2906.9	2871.8	2890.7	2928.3	2911.0	2940.3	2954.3	2932.4	2973.9
27.5°	3401.4	3372.7	3466.9	3507.8	3464.0	3532.5	3582.3	3560.3	3633.0	3590.0	3651.5
25°	4182.4	4140.3	4165.5	4300.9	4330.9	4296.1	4436.3	4452.8	4510.6	4517.6	4560.6
22.5°	5099.9	5201.4	5189.6	5230.8	5400.8	5457.7	5509.5	5644.4	5613.6	5735.9	5757.1
20°	6125.8	6381.0	6556.8	6593.8	6666.4	6862.0	6951.7	7058.1	7129.5	7245.3	7343.1
17.5°	7861.3	7730.4	8075.3	8292.0	8405.9	8446.6	8682.1	8758.9	8935.8	9036.8	9137.2
15°	10089.5	10165.7	10010.1	10216.6	10565.4	10683.3	10547.9	10864.1	10953.0	11123.3	11153.4
12.5°	12471.1	12856.6	13045.7	13097.0	12914.7	13411.0	13609.8	13360.2	13643.3	13592.3	13825.2
10°	14743.6	15680.4	16241.1	16635.6	16875.4	17019.8	17163.3	17421.2	17425.7	17616.8	17505.3
7.5°	16609.3	17797.0	18931.6	20032.3	20912.7	21406.3	21793.9	22165.5	22661.5	22899.1	23053.4
5°	18434.6	19805.0	21162.5	22496.7	23705.0	24867.4	26006.6	26994.8	27518.5	28130.5	28676.1
2.5°	19615.3	21348.6	23082.3	24799.6	26195.7	27476.7	28662.4	29763.7	30729.7	31623.5	32378.2
0°	19845.7	21785.5	23594.1	25307.5	26879.4	28461.6	29843.1	31088.3	32140.5	33089.9	33730.5
-2.5°	19615.3	21348.6	23082.3	24799.6	26195.7	27476.7	28662.4	29763.7	30729.7	31623.5	32378.2
-5°	18434.6	19805.0	21162.5	22496.7	23705.0	24867.4	26006.6	26994.8	27518.5	28130.5	28676.1
-7.5°	16609.3	17797.0	18931.6	20032.3	20912.7	21406.3	21793.9	22165.5	22661.5	22899.1	23053.4
-10°	14743.6	15680.4	16241.1	16635.6	16875.4	17019.8	17163.3	17421.2	17425.7	17616.8	17505.3
-12.5°	12471.1	12856.6	13045.7	13097.0	12914.7	13411.0	13609.8	13360.2	13643.3	13592.3	13825.2
-15°	10089.5	10165.7	10010.1	10216.6	10565.4	10683.3	10547.9	10864.1	10953.0	11123.3	11153.4
-17.5°	7861.3	7730.4	8075.3	8292.0	8405.9	8446.6	8682.1	8758.9	8935.8	9036.8	9137.2
-20°	6125.8	6381.0	6556.8	6593.8	6666.4	6862.0	6951.7	7058.1	7129.5	7245.3	7343.1



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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°	5099.9	5201.4	5189.6	5230.8	5400.8	5457.7	5509.5	5644.4	5613.6	5735.9	5757.1
-25°	4182.4	4140.3	4165.5	4300.9	4330.9	4296.1	4436.3	4452.8	4510.6	4517.6	4560.6
-27.5°	3401.4	3372.7	3466.9	3507.8	3464.0	3532.5	3582.3	3560.3	3633.0	3590.0	3651.5
-30°	2786.9	2867.6	2906.9	2871.8	2890.7	2928.3	2911.0	2940.3	2954.3	2932.4	2973.9
-32.5°	2435.1	2450.9	2439.4	2419.5	2449.8	2453.6	2418.6	2460.7	2443.7	2449.7	2466.3
-35°	2124.6	2117.5	2064.2	2096.6	2103.4	2082.1	2088.2	2097.4	2066.8	2090.9	2088.4
-37.5°	1858.9	1835.3	1825.4	1833.6	1828.4	1806.1	1823.9	1819.6	1805.5	1821.3	1814.3
-40°	1643.1	1610.0	1628.3	1625.6	1608.1	1605.5	1615.0	1602.6	1604.9	1614.3	1607.0
-42.5°	1461.8	1458.3	1461.6	1455.6	1436.9	1448.9	1450.4	1435.2	1450.5	1457.1	1453.2
-45°	1313.6	1324.3	1322.0	1311.6	1309.9	1320.5	1319.5	1315.3	1327.5	1333.0	1334.7
-47.5°	1200.7	1206.2	1203.4	1188.4	1200.7	1211.1	1211.4	1216.6	1227.2	1231.4	1234.6
-50°	1096.9	1101.4	1097.9	1094.1	1107.9	1116.1	1118.3	1130.4	1140.7	1146.3	1151.5
-52.5°	1001.2	1006.8	1002.9	1009.5	1023.7	1031.6	1035.6	1050.6	1061.8	1069.0	1076.5
-55°	915.1	919.9	918.2	934.0	946.9	955.7	964.9	978.8	989.8	997.8	1005.9
-57.5°	831.0	837.1	842.4	859.4	873.3	884.1	896.4	909.5	920.6	929.7	938.6
-60°	749.6	755.7	766.6	783.6	798.0	809.8	823.8	837.3	848.7	858.3	866.9
-62.5°	671.2	678.3	692.5	707.9	720.7	731.5	747.5	761.3	773.0	782.8	791.0
-65°	593.9	601.0	618.2	633.8	647.3	658.6	672.2	684.4	695.4	705.0	713.2
-67.5°	519.2	527.3	543.1	557.4	570.2	582.2	594.8	606.0	615.8	624.6	632.2
-70°	449.3	456.9	469.6	482.0	493.5	504.5	515.3	525.0	533.6	541.8	549.3
-72.5°	381.4	389.5	399.5	408.7	417.4	426.5	435.4	443.3	450.1	456.5	462.3
-75°	312.8	320.5	328.6	335.8	342.2	349.0	355.7	361.8	367.3	371.9	375.4
-77.5°	244.9	251.7	258.3	264.0	268.9	273.5	277.4	280.6	282.9	286.5	289.8
-80°	181.0	187.2	192.8	197.5	201.3	204.2	206.5	208.3	209.7	211.1	212.1
-82.5°	124.7	128.9	133.0	137.0	140.6	142.6	144.1	145.0	145.5	146.7	147.6
-85°	76.6	78.0	79.4	80.8	82.0	83.3	84.5	85.4	86.1	86.1	85.8
-87.5°	35.8	35.2	34.5	33.7	32.6	32.7	32.6	32.5	32.3	32.0	31.7
-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):

	-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°	31.3	30.8	32.1	33.4	32.1	30.8	31.3	31.7	32.0	32.3	32.5
85°	85.3	84.5	86.1	87.5	86.1	84.5	85.3	85.8	86.1	86.1	85.4
82.5°	148.2	148.5	149.0	149.2	149.0	148.5	148.2	147.6	146.7	145.5	145.0
80°	212.6	212.6	212.0	211.0	212.0	212.6	212.6	212.1	211.1	209.7	208.3
77.5°	292.4	294.3	295.5	295.9	295.5	294.3	292.4	289.8	286.5	282.9	280.6
75°	377.7	378.9	379.1	378.2	379.1	378.9	377.7	375.4	371.9	367.3	361.8
72.5°	467.1	470.8	471.5	470.8	471.5	470.8	467.1	462.3	456.5	450.1	443.3
70°	555.5	560.4	560.3	558.3	560.3	560.4	555.5	549.3	541.8	533.6	525.0
67.5°	638.2	642.6	646.1	648.3	646.1	642.6	638.2	632.2	624.6	615.8	606.0
65°	719.7	724.6	727.3	728.1	727.3	724.6	719.7	713.2	705.0	695.4	684.4
62.5°	797.2	801.7	804.3	805.2	804.3	801.7	797.2	791.0	782.8	773.0	761.3
60°	873.7	878.5	879.3	877.3	879.3	878.5	873.7	866.9	858.3	848.7	837.3
57.5°	945.5	950.5	950.3	946.7	950.3	950.5	945.5	938.6	929.7	920.6	909.5
55°	1011.8	1015.4	1016.8	1016.2	1016.8	1015.4	1011.8	1005.9	997.8	989.8	978.8
52.5°	1082.0	1084.8	1086.1	1085.7	1086.1	1084.8	1082.0	1076.5	1069.0	1061.8	1050.6
50°	1155.3	1155.6	1155.5	1155.1	1155.5	1155.6	1155.3	1151.5	1146.3	1140.7	1130.4
47.5°	1239.1	1239.9	1240.1	1240.1	1240.1	1239.9	1239.1	1234.6	1231.4	1227.2	1216.6
45°	1338.0	1335.3	1332.4	1332.7	1332.4	1335.3	1338.0	1334.7	1333.0	1327.5	1315.3
42.5°	1456.8	1453.8	1450.1	1451.0	1450.1	1453.8	1456.8	1453.2	1457.1	1450.5	1435.2
40°	1613.3	1612.5	1607.3	1605.4	1607.3	1612.5	1613.3	1607.0	1614.3	1604.9	1602.6
37.5°	1815.4	1812.5	1800.8	1795.7	1800.8	1812.5	1815.4	1814.3	1821.3	1805.5	1819.6
35°	2081.3	2077.3	2059.3	2060.7	2059.3	2077.3	2081.3	2088.4	2090.9	2066.8	2097.4
32.5°	2458.1	2459.4	2432.2	2426.0	2432.2	2459.4	2458.1	2466.3	2449.7	2443.7	2460.7
30°	2948.1	2958.8	2926.9	2940.6	2926.9	2958.8	2948.1	2973.9	2932.4	2954.3	2940.3
27.5°	3650.3	3670.9	3642.6	3619.8	3642.6	3670.9	3650.3	3651.5	3590.0	3633.0	3560.3
25°	4616.9	4632.2	4600.0	4571.7	4600.0	4632.2	4616.9	4560.6	4517.6	4510.6	4452.8
22.5°	5875.1	5874.2	5872.5	5917.2	5872.5	5874.2	5875.1	5757.1	5735.9	5613.6	5644.4
20°	7406.3	7369.3	7424.8	7460.8	7424.8	7369.3	7406.3	7343.1	7245.3	7129.5	7058.1
17.5°	9160.4	9229.9	9283.3	9372.3	9283.3	9229.9	9160.4	9137.2	9036.8	8935.8	8758.9
15°	11228.8	11333.7	11387.0	11358.4	11387.0	11333.7	11228.8	11153.4	11123.3	10953.0	10864.1
12.5°	13833.4	13958.6	13866.1	13751.0	13866.1	13958.6	13833.4	13825.2	13592.3	13643.3	13360.2
10°	17506.9	17776.6	17791.6	17566.3	17791.6	17776.6	17506.9	17505.3	17616.8	17425.7	17421.2
7.5°	23143.1	23274.2	23473.4	23483.5	23473.4	23274.2	23143.1	23053.4	22899.1	22661.5	22165.5
5°	28923.4	29272.6	29497.7	29886.9	29497.7	29272.6	28923.4	28676.1	28130.5	27518.5	26994.8
2.5°	32865.7	33316.9	33490.1	33931.1	33490.1	33316.9	32865.7	32378.2	31623.5	30729.7	29763.7
0°	34301.6	34666.9	34885.6	35060.5	34885.6	34666.9	34301.6	33730.5	33089.9	32140.5	31088.3
-2.5°	32865.7	33316.9	33490.1	33931.1	33490.1	33316.9	32865.7	32378.2	31623.5	30729.7	29763.7
-5°	28923.4	29272.6	29497.7	29886.9	29497.7	29272.6	28923.4	28676.1	28130.5	27518.5	26994.8
-7.5°	23143.1	23274.2	23473.4	23483.5	23473.4	23274.2	23143.1	23053.4	22899.1	22661.5	22165.5
-10°	17506.9	17776.6	17791.6	17566.3	17791.6	17776.6	17506.9	17505.3	17616.8	17425.7	17421.2
-12.5°	13833.4	13958.6	13866.1	13751.0	13866.1	13958.6	13833.4	13825.2	13592.3	13643.3	13360.2
-15°	11228.8	11333.7	11387.0	11358.4	11387.0	11333.7	11228.8	11153.4	11123.3	10953.0	10864.1
-17.5°	9160.4	9229.9	9283.3	9372.3	9283.3	9229.9	9160.4	9137.2	9036.8	8935.8	8758.9
-20°	7406.3	7369.3	7424.8	7460.8	7424.8	7369.3	7406.3	7343.1	7245.3	7129.5	7058.1



REPORT NUMBER: P559094 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5875.1	5874.2	5872.5	5917.2	5872.5	5874.2	5875.1	5757.1	5735.9	5613.6	5644.4
-25°	4616.9	4632.2	4600.0	4571.7	4600.0	4632.2	4616.9	4560.6	4517.6	4510.6	4452.8
-27.5°	3650.3	3670.9	3642.6	3619.8	3642.6	3670.9	3650.3	3651.5	3590.0	3633.0	3560.3
-30°	2948.1	2958.8	2926.9	2940.6	2926.9	2958.8	2948.1	2973.9	2932.4	2954.3	2940.3
-32.5°	2458.1	2459.4	2432.2	2426.0	2432.2	2459.4	2458.1	2466.3	2449.7	2443.7	2460.7
-35°	2081.3	2077.3	2059.3	2060.7	2059.3	2077.3	2081.3	2088.4	2090.9	2066.8	2097.4
-37.5°	1815.4	1812.5	1800.8	1795.7	1800.8	1812.5	1815.4	1814.3	1821.3	1805.5	1819.6
-40°	1613.3	1612.5	1607.3	1605.4	1607.3	1612.5	1613.3	1607.0	1614.3	1604.9	1602.6
-42.5°	1456.8	1453.8	1450.1	1451.0	1450.1	1453.8	1456.8	1453.2	1457.1	1450.5	1435.2
-45°	1338.0	1335.3	1332.4	1332.7	1332.4	1335.3	1338.0	1334.7	1333.0	1327.5	1315.3
-47.5°	1239.1	1239.9	1240.1	1240.0	1240.1	1239.9	1239.1	1234.6	1231.4	1227.2	1216.6
-50°	1155.3	1155.6	1155.5	1155.1	1155.5	1155.6	1155.3	1151.5	1146.3	1140.7	1130.4
-52.5°	1082.0	1084.8	1086.1	1085.7	1086.1	1084.8	1082.0	1076.5	1069.0	1061.8	1050.6
-55°	1011.8	1015.4	1016.8	1016.2	1016.8	1015.4	1011.8	1005.9	997.8	989.8	978.8
-57.5°	945.5	950.5	950.3	946.7	950.3	950.5	945.5	938.6	929.7	920.6	909.5
-60°	873.7	878.5	879.3	877.3	879.3	878.5	873.7	866.9	858.3	848.7	837.3
-62.5°	797.2	801.7	804.3	805.2	804.3	801.7	797.2	791.0	782.8	773.0	761.3
-65°	719.7	724.6	727.3	728.1	727.3	724.6	719.7	713.2	705.0	695.4	684.4
-67.5°	638.2	642.6	646.1	648.3	646.1	642.6	638.2	632.2	624.6	615.8	606.0
-70°	555.5	560.4	560.3	558.3	560.3	560.4	555.5	549.3	541.8	533.6	525.0
-72.5°	467.1	470.8	471.5	470.8	471.5	470.8	467.1	462.3	456.5	450.1	443.3
-75°	377.7	378.9	379.1	378.2	379.1	378.9	377.7	375.4	371.9	367.3	361.8
-77.5°	292.4	294.3	295.5	295.9	295.5	294.3	292.4	289.8	286.5	282.9	280.6
-80°	212.6	212.6	212.0	211.0	212.0	212.6	212.6	212.1	211.1	209.7	208.3
-82.5°	148.2	148.5	149.0	149.2	149.0	148.5	148.2	147.6	146.7	145.5	145.0
-85°	85.3	84.5	86.1	87.5	86.1	84.5	85.3	85.8	86.1	86.1	85.4
-87.5°	31.3	30.8	32.1	33.4	32.1	30.8	31.3	31.7	32.0	32.3	32.5
-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):

	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°	32.6	32.7	32.6	33.7	34.5	35.2	35.8	34.7	33.5	32.2	30.9
85°	84.5	83.3	82.0	80.8	79.4	78.0	76.6	75.4	73.9	71.8	69.3
82.5°	144.1	142.6	140.6	137.0	133.0	128.9	124.7	122.6	120.0	117.0	113.8
80°	206.5	204.2	201.3	197.5	192.8	187.2	181.0	176.4	171.1	165.9	161.8
77.5°	277.4	273.5	268.9	264.0	258.3	251.7	244.9	238.8	232.3	224.8	218.3
75°	355.7	349.0	342.2	335.8	328.6	320.5	312.8	305.8	297.4	287.5	279.8
72.5°	435.4	426.5	417.4	408.7	399.5	389.5	381.4	374.2	364.9	353.3	345.5
70°	515.3	504.5	493.5	482.0	469.6	456.9	449.3	442.7	434.0	422.2	415.2
67.5°	594.8	582.2	570.2	557.4	543.1	527.3	519.2	510.6	500.7	488.9	485.7
65°	672.2	658.6	647.3	633.8	618.2	601.0	593.9	584.4	572.3	559.4	557.4
62.5°	747.5	731.5	720.7	707.9	692.5	678.3	671.2	660.5	646.5	637.0	635.7
60°	823.8	809.8	798.0	783.6	766.6	755.7	749.6	738.6	722.7	718.8	717.1
57.5°	896.4	884.1	873.3	859.4	842.4	837.1	831.0	819.4	803.0	805.3	801.6
55°	964.9	955.7	946.9	934.0	918.2	919.9	915.1	903.8	894.0	897.0	892.4
52.5°	1035.6	1031.6	1023.7	1009.5	1002.9	1006.8	1001.2	990.1	992.0	995.3	987.9
50°	1118.3	1116.1	1107.9	1094.1	1097.9	1101.4	1096.9	1083.0	1096.3	1099.2	1089.6
47.5°	1211.4	1211.1	1200.7	1188.4	1203.4	1206.2	1200.7	1201.7	1213.1	1209.9	1198.0
45°	1319.5	1320.5	1309.9	1311.6	1322.0	1324.3	1313.6	1333.5	1340.6	1334.0	1312.7
42.5°	1450.4	1448.9	1436.9	1455.6	1461.6	1458.3	1461.8	1482.4	1482.7	1467.8	1468.9
40°	1615.0	1605.5	1608.1	1625.6	1628.3	1610.0	1643.1	1651.1	1643.9	1616.2	1655.1
37.5°	1823.9	1806.1	1828.4	1833.6	1825.4	1835.3	1858.9	1854.0	1822.8	1850.2	1874.4
35°	2088.2	2082.1	2103.4	2096.6	2064.2	2117.5	2124.6	2091.2	2079.9	2129.8	2126.9
32.5°	2418.6	2453.6	2449.8	2419.5	2439.4	2450.9	2435.1	2378.9	2450.9	2469.9	2425.9
30°	2911.0	2928.3	2890.7	2871.8	2906.9	2867.6	2786.9	2868.9	2900.2	2861.3	2763.8
27.5°	3582.3	3532.5	3464.0	3507.8	3466.9	3372.7	3401.4	3442.9	3406.7	3312.9	3202.3
25°	4436.3	4296.1	4330.9	4300.9	4165.5	4140.3	4182.4	4135.2	4004.3	3863.7	4018.3
22.5°	5509.5	5457.7	5400.8	5230.8	5189.6	5201.4	5099.9	4910.5	4795.4	4942.9	4947.6
20°	6951.7	6862.0	6666.4	6593.8	6556.8	6381.0	6125.8	6099.7	6220.5	6158.5	5971.8
17.5°	8682.1	8446.6	8405.9	8292.0	8075.3	7730.4	7861.3	7906.4	7791.3	7469.4	7077.4
15°	10547.9	10683.3	10565.4	10216.6	10010.1	10165.7	10089.5	9837.8	9488.6	8899.6	8232.6
12.5°	13609.8	13411.0	12914.7	13097.0	13045.7	12856.6	12471.1	11917.3	11192.3	10238.4	9277.3
10°	17163.3	17019.8	16875.4	16635.6	16241.1	15680.4	14743.6	13703.2	12620.1	11495.1	10327.6
7.5°	21793.9	21406.3	20912.7	20032.3	18931.6	17797.0	16609.3	15367.8	14045.3	12732.6	11368.4
5°	26006.6	24867.4	23705.0	22496.7	21162.5	19805.0	18434.6	17003.9	15445.5	13934.1	12377.4
2.5°	28662.4	27476.7	26195.7	24799.6	23082.3	21348.6	19615.3	17882.5	16027.2	14279.7	12533.1
0°	29843.1	28461.6	26879.4	25307.5	23594.1	21785.5	19845.7	18068.0	16169.3	14391.6	12621.6
-2.5°	28662.4	27476.7	26195.7	24799.6	23082.3	21348.6	19615.3	17882.5	16027.2	14279.7	12533.1
-5°	26006.6	24867.4	23705.0	22496.7	21162.5	19805.0	18434.6	17003.9	15445.5	13934.1	12377.4
-7.5°	21793.9	21406.3	20912.7	20032.3	18931.6	17797.0	16609.3	15367.8	14045.3	12732.6	11368.4
-10°	17163.3	17019.8	16875.4	16635.6	16241.1	15680.4	14743.6	13703.2	12620.1	11495.1	10327.6
-12.5°	13609.8	13411.0	12914.7	13097.0	13045.7	12856.6	12471.1	11917.3	11192.3	10238.4	9277.3
-15°	10547.9	10683.3	10565.4	10216.6	10010.1	10165.7	10089.5	9837.8	9488.6	8899.6	8232.6
-17.5°	8682.1	8446.6	8405.9	8292.0	8075.3	7730.4	7861.3	7906.4	7791.3	7469.4	7077.4
-20°	6951.7	6862.0	6666.4	6593.8	6556.8	6381.0	6125.8	6099.7	6220.5	6158.5	5971.8



REPORT NUMBER: P559094 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5509.5	5457.7	5400.8	5230.8	5189.6	5201.4	5099.9	4910.5	4795.4	4942.9	4947.6
-25°	4436.3	4296.1	4330.9	4300.9	4165.5	4140.3	4182.4	4135.2	4004.3	3863.7	4018.3
-27.5°	3582.3	3532.5	3464.0	3507.8	3466.9	3372.7	3401.4	3442.9	3406.7	3312.9	3202.3
-30°	2911.0	2928.3	2890.7	2871.8	2906.9	2867.6	2786.9	2868.9	2900.2	2861.3	2763.8
-32.5°	2418.6	2453.6	2449.8	2419.5	2439.4	2450.9	2435.1	2378.9	2450.9	2469.9	2425.9
-35°	2088.2	2082.1	2103.4	2096.6	2064.2	2117.5	2124.6	2091.2	2079.9	2129.8	2126.9
-37.5°	1823.9	1806.1	1828.4	1833.6	1825.4	1835.3	1858.9	1854.0	1822.8	1850.2	1874.4
-40°	1615.0	1605.5	1608.1	1625.6	1628.3	1610.0	1643.1	1651.1	1643.9	1616.2	1655.1
-42.5°	1450.4	1448.9	1436.9	1455.6	1461.6	1458.3	1461.8	1482.4	1482.7	1467.8	1468.9
-45°	1319.5	1320.5	1309.9	1311.6	1322.0	1324.3	1313.6	1333.5	1340.6	1334.0	1312.7
-47.5°	1211.4	1211.1	1200.7	1188.4	1203.4	1206.2	1200.7	1201.7	1213.1	1209.9	1198.0
-50°	1118.3	1116.1	1107.9	1094.1	1097.9	1101.4	1096.9	1083.0	1096.3	1099.2	1089.6
-52.5°	1035.6	1031.6	1023.7	1009.5	1002.9	1006.8	1001.2	990.1	992.0	995.3	987.9
-55°	964.9	955.7	946.9	934.0	918.2	919.9	915.1	903.8	894.0	897.0	892.4
-57.5°	896.4	884.1	873.3	859.4	842.4	837.1	831.0	819.4	803.0	805.3	801.6
-60°	823.8	809.8	798.0	783.6	766.6	755.7	749.6	738.6	722.7	718.8	717.1
-62.5°	747.5	731.5	720.7	707.9	692.5	678.3	671.2	660.5	646.5	637.0	635.7
-65°	672.2	658.6	647.3	633.8	618.2	601.0	593.9	584.4	572.3	559.4	557.4
-67.5°	594.8	582.2	570.2	557.4	543.1	527.3	519.2	510.6	500.7	488.9	485.7
-70°	515.3	504.5	493.5	482.0	469.6	456.9	449.3	442.7	434.0	422.2	415.2
-72.5°	435.4	426.5	417.4	408.7	399.5	389.5	381.4	374.2	364.9	353.3	345.5
-75°	355.7	349.0	342.2	335.8	328.6	320.5	312.8	305.8	297.4	287.5	279.8
-77.5°	277.4	273.5	268.9	264.0	258.3	251.7	244.9	238.8	232.3	224.8	218.3
-80°	206.5	204.2	201.3	197.5	192.8	187.2	181.0	176.4	171.1	165.9	161.8
-82.5°	144.1	142.6	140.6	137.0	133.0	128.9	124.7	122.6	120.0	117.0	113.8
-85°	84.5	83.3	82.0	80.8	79.4	78.0	76.6	75.4	73.9	71.8	69.3
-87.5°	32.6	32.7	32.6	33.7	34.5	35.2	35.8	34.7	33.5	32.2	30.9
-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: P559094 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-940-U-NAT-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°	30.0	28.9	27.8	26.6	25.2	23.8	22.3	20.7	19.2	17.6	15.9
85°	67.0	64.1	60.7	56.9	52.7	47.6	44.5	41.3	38.4	35.2	31.7
82.5°	110.7	107.2	103.1	98.4	94.2	88.8	81.9	73.6	64.2	53.9	47.5
80°	160.5	157.2	152.1	145.2	138.2	130.1	122.4	112.6	100.8	87.6	73.1
77.5°	215.5	210.9	204.5	197.2	188.2	177.7	165.9	152.5	137.3	121.2	103.6
75°	275.3	269.9	262.5	252.5	239.9	225.5	211.1	195.1	176.7	155.2	133.9
72.5°	340.6	332.9	322.7	309.3	294.6	277.5	258.1	237.9	217.3	193.2	165.4
70°	408.3	398.3	386.2	371.9	352.9	329.8	307.6	284.8	258.2	231.2	200.1
67.5°	478.3	467.0	452.2	436.2	416.2	390.5	358.9	333.2	304.7	269.3	234.8
65°	551.2	538.5	520.2	504.3	481.7	453.1	419.2	385.1	351.5	313.3	269.4
62.5°	627.7	613.6	596.2	575.4	549.6	518.3	480.7	444.2	400.5	357.5	308.2
60°	708.6	693.3	675.4	653.2	622.1	584.8	546.4	503.8	456.0	401.9	348.7
57.5°	792.2	775.4	760.6	734.8	699.8	656.3	614.8	568.2	511.8	451.6	389.2
55°	879.0	863.3	849.9	822.2	781.5	732.4	689.3	636.3	569.6	502.5	429.4
52.5°	971.8	960.7	944.5	913.7	869.0	816.6	773.6	706.1	635.1	553.3	474.6
50°	1069.5	1069.2	1048.0	1010.7	959.6	916.3	862.3	789.2	701.6	607.0	520.7
47.5°	1190.0	1188.3	1163.3	1114.9	1056.3	1023.6	962.6	876.6	769.2	668.3	566.9
45°	1327.0	1317.7	1287.1	1232.9	1180.6	1145.4	1071.1	967.1	851.7	730.9	613.2
42.5°	1479.0	1462.5	1420.0	1356.9	1335.7	1280.1	1185.2	1070.3	936.3	793.6	664.4
40°	1657.0	1622.2	1563.5	1531.6	1509.5	1426.0	1317.1	1178.7	1022.4	860.6	718.7
37.5°	1853.9	1802.9	1724.6	1748.8	1702.8	1599.6	1458.1	1290.7	1112.7	936.6	772.3
35°	2084.2	2004.4	2006.3	2002.7	1924.4	1785.3	1606.4	1412.1	1212.6	1012.2	825.2
32.5°	2336.1	2315.4	2350.9	2293.4	2166.7	1982.4	1772.4	1545.6	1313.9	1087.4	877.1
30°	2693.8	2779.4	2741.6	2613.1	2434.5	2208.4	1950.7	1682.2	1416.0	1161.7	930.6
27.5°	3310.6	3307.6	3181.4	2982.4	2734.8	2448.2	2131.1	1821.2	1518.6	1239.4	991.1
25°	4006.8	3907.0	3690.1	3388.9	3053.4	2688.1	2314.2	1962.3	1630.2	1323.3	1049.9
22.5°	4801.9	4559.9	4241.6	3821.8	3368.4	2935.0	2509.5	2116.6	1745.6	1405.5	1106.6
20°	5661.7	5256.3	4818.7	4246.2	3708.4	3203.7	2716.1	2269.5	1859.4	1485.7	1161.0
17.5°	6582.6	5974.9	5368.3	4705.8	4065.3	3474.8	2922.2	2420.0	1970.6	1563.1	1212.7
15°	7474.7	6693.4	5934.0	5168.6	4423.5	3745.2	3125.9	2566.6	2078.4	1637.3	1253.4
12.5°	8354.1	7421.9	6507.7	5629.3	4779.0	4012.0	3324.8	2708.1	2181.6	1690.4	1279.8
10°	9232.0	8150.0	7080.9	6081.9	5127.1	4271.7	3516.7	2818.5	2230.3	1724.4	1301.8
7.5°	10096.5	8866.9	7644.4	6520.3	5427.0	4441.5	3598.7	2868.4	2262.3	1751.8	1319.1
5°	10801.9	9334.8	7900.8	6650.3	5511.3	4508.9	3649.3	2907.2	2284.5	1772.5	1331.8
2.5°	10897.1	9411.7	7939.1	6701.7	5567.6	4555.0	3682.9	2934.0	2297.0	1786.4	1339.7
0°	10933.9	9436.6	7934.2	6717.3	5595.6	4579.4	3699.5	2948.3	2300.0	1793.2	1342.9
-2.5°	10897.1	9411.7	7939.1	6701.7	5567.6	4555.0	3682.9	2934.0	2297.0	1786.4	1339.7
-5°	10801.9	9334.8	7900.8	6650.3	5511.3	4508.9	3649.3	2907.2	2284.5	1772.5	1331.8
-7.5°	10096.5	8866.9	7644.4	6520.3	5427.0	4441.5	3598.7	2868.4	2262.3	1751.8	1319.1
-10°	9232.0	8150.0	7080.9	6081.9	5127.1	4271.7	3516.7	2818.5	2230.3	1724.4	1301.8
-12.5°	8354.1	7421.9	6507.7	5629.3	4779.0	4012.0	3324.8	2708.1	2181.6	1690.4	1279.8
-15°	7474.7	6693.4	5934.0	5168.6	4423.5	3745.2	3125.9	2566.6	2078.4	1637.3	1253.4
-17.5°	6582.6	5974.9	5368.3	4705.8	4065.3	3474.8	2922.2	2420.0	1970.6	1563.1	1212.7
-20°	5661.7	5256.3	4818.7	4246.2	3708.4	3203.7	2716.1	2269.5	1859.4	1485.7	1161.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4801.9	4559.9	4241.6	3821.8	3368.4	2935.0	2509.5	2116.6	1745.6	1405.5	1106.6
-25°	4006.8	3907.0	3690.1	3388.9	3053.4	2688.1	2314.2	1962.3	1630.2	1323.3	1049.9
-27.5°	3310.6	3307.6	3181.4	2982.4	2734.8	2448.2	2131.1	1821.2	1518.6	1239.4	991.1
-30°	2693.8	2779.4	2741.6	2613.1	2434.5	2208.4	1950.7	1682.2	1416.0	1161.7	930.6
-32.5°	2336.1	2315.4	2350.9	2293.4	2166.7	1982.4	1772.4	1545.6	1313.9	1087.4	877.1
-35°	2084.2	2004.4	2006.3	2002.7	1924.4	1785.3	1606.4	1412.1	1212.6	1012.2	825.2
-37.5°	1853.9	1802.9	1724.6	1748.8	1702.8	1599.6	1458.1	1290.7	1112.7	936.6	772.3
-40°	1657.0	1622.2	1563.5	1531.6	1509.5	1426.0	1317.1	1178.7	1022.4	860.6	718.7
-42.5°	1479.0	1462.5	1420.0	1356.9	1335.7	1280.1	1185.2	1070.3	936.3	793.6	664.4
-45°	1327.0	1317.7	1287.1	1232.9	1180.6	1145.4	1071.1	967.1	851.7	730.9	613.2
-47.5°	1190.0	1188.3	1163.3	1114.9	1056.3	1023.6	962.6	876.6	769.2	668.3	566.9
-50°	1069.5	1069.2	1048.0	1010.7	959.6	916.3	862.3	789.2	701.6	607.0	520.7
-52.5°	971.8	960.7	944.5	913.7	869.0	816.6	773.6	706.1	635.1	553.3	474.6
-55°	879.0	863.3	849.9	822.2	781.5	732.4	689.3	636.3	569.6	502.5	429.4
-57.5°	792.2	775.4	760.6	734.8	699.8	656.3	614.8	568.2	511.8	451.6	389.2
-60°	708.6	693.3	675.4	653.2	622.1	584.8	546.4	503.8	456.0	401.9	348.7
-62.5°	627.7	613.6	596.2	575.4	549.6	518.3	480.7	444.2	400.5	357.5	308.2
-65°	551.2	538.5	520.2	504.3	481.7	453.1	419.2	385.1	351.5	313.3	269.4
-67.5°	478.3	467.0	452.2	436.2	416.2	390.5	358.9	333.2	304.7	269.3	234.8
-70°	408.3	398.3	386.2	371.9	352.9	329.8	307.6	284.8	258.2	231.2	200.1
-72.5°	340.6	332.9	322.7	309.3	294.6	277.5	258.1	237.9	217.3	193.2	165.4
-75°	275.3	269.9	262.5	252.5	239.9	225.5	211.1	195.1	176.7	155.2	133.9
-77.5°	215.5	210.9	204.5	197.2	188.2	177.7	165.9	152.5	137.3	121.2	103.6
-80°	160.5	157.2	152.1	145.2	138.2	130.1	122.4	112.6	100.8	87.6	73.1
-82.5°	110.7	107.2	103.1	98.4	94.2	88.8	81.9	73.6	64.2	53.9	47.5
-85°	67.0	64.1	60.7	56.9	52.7	47.6	44.5	41.3	38.4	35.2	31.7
-87.5°	30.0	28.9	27.8	26.6	25.2	23.8	22.3	20.7	19.2	17.6	15.9
-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°	14.0	12.4	10.5	8.3	5.8	2.9	0.0
85°	28.0	24.8	21.0	16.6	11.6	5.8	0.0
82.5°	41.9	37.1	31.5	24.9	17.4	8.7	0.0
80°	57.5	49.5	41.9	33.2	23.2	11.6	0.0
77.5°	84.6	65.7	52.3	41.4	28.9	14.5	0.0
75°	111.6	89.1	64.3	49.6	34.6	17.3	0.0
72.5°	138.5	112.3	83.5	57.7	40.2	20.1	0.0
70°	165.9	135.3	102.5	67.0	45.7	22.9	0.0
67.5°	197.2	158.2	121.3	81.5	51.1	25.6	0.0
65°	228.3	183.0	140.0	95.9	56.5	28.3	0.0
62.5°	259.3	209.7	158.4	110.0	61.7	30.9	0.0
60°	290.1	236.3	176.5	123.9	66.8	33.4	0.0
57.5°	325.1	262.5	197.9	137.5	75.9	35.9	0.0
55°	360.2	288.4	219.1	150.9	84.8	38.4	0.0
52.5°	394.8	314.6	239.9	163.9	93.4	40.7	0.0
50°	429.0	343.3	260.3	176.7	101.8	43.0	0.0
47.5°	463.5	371.4	280.4	189.8	110.0	45.2	0.0
45°	503.5	398.9	299.9	204.4	117.8	47.3	0.0
42.5°	543.1	425.6	319.0	218.7	125.4	49.3	0.0
40°	582.4	451.7	338.6	232.0	132.6	51.2	0.0
37.5°	621.2	476.9	358.5	244.4	139.5	53.1	0.0
35°	659.4	505.5	377.7	256.0	146.1	54.8	0.0
32.5°	698.5	535.5	396.1	266.8	152.3	56.4	0.0
30°	740.4	564.6	413.6	276.8	158.1	57.9	0.0
27.5°	780.8	592.5	428.2	286.0	163.6	59.3	0.0
25°	819.7	619.3	441.6	294.3	168.7	60.6	0.0
22.5°	856.8	643.3	454.1	301.8	173.4	61.8	0.0
20°	892.1	661.5	465.5	308.5	177.6	62.9	0.0
17.5°	918.7	677.5	475.9	314.4	181.5	63.8	0.0
15°	938.5	691.3	485.1	319.4	184.9	64.6	0.0
12.5°	955.5	702.9	493.2	323.5	187.8	65.3	0.0
10°	969.6	712.3	500.0	326.8	190.3	65.9	0.0
7.5°	980.7	719.5	505.6	329.3	192.3	66.3	0.0
5°	988.7	724.5	509.9	331.0	193.9	66.6	0.0
2.5°	993.7	727.3	512.9	331.8	194.9	66.8	0.0
0°	995.6	728.1	514.5	331.9	195.5	66.9	0.0
-2.5°	993.7	727.3	512.9	331.8	194.9	66.8	0.0
-5°	988.7	724.5	509.9	331.0	193.9	66.6	0.0
-7.5°	980.7	719.5	505.6	329.3	192.3	66.3	0.0
-10°	969.6	712.3	500.0	326.8	190.3	65.9	0.0
-12.5°	955.5	702.9	493.2	323.5	187.8	65.3	0.0
-15°	938.5	691.3	485.1	319.4	184.9	64.6	0.0
-17.5°	918.7	677.5	475.9	314.4	181.5	63.8	0.0
-20°	892.1	661.5	465.5	308.5	177.6	62.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	856.8	643.3	454.1	301.8	173.4	61.8	0.0
-25°	819.7	619.3	441.6	294.3	168.7	60.6	0.0
-27.5°	780.8	592.5	428.2	286.0	163.6	59.3	0.0
-30°	740.4	564.6	413.6	276.8	158.1	57.9	0.0
-32.5°	698.5	535.5	396.1	266.8	152.3	56.4	0.0
-35°	659.4	505.5	377.7	256.0	146.1	54.8	0.0
-37.5°	621.2	476.9	358.5	244.4	139.5	53.1	0.0
-40°	582.4	451.7	338.6	232.0	132.6	51.2	0.0
-42.5°	543.1	425.6	319.0	218.7	125.4	49.3	0.0
-45°	503.5	398.9	299.9	204.4	117.8	47.3	0.0
-47.5°	463.5	371.4	280.4	189.8	110.0	45.2	0.0
-50°	429.0	343.3	260.3	176.7	101.8	43.0	0.0
-52.5°	394.8	314.6	239.9	163.9	93.4	40.7	0.0
-55°	360.2	288.4	219.1	150.9	84.8	38.4	0.0
-57.5°	325.1	262.5	197.9	137.5	75.9	35.9	0.0
-60°	290.1	236.3	176.5	123.9	66.8	33.4	0.0
-62.5°	259.3	209.7	158.4	110.0	61.7	30.9	0.0
-65°	228.3	183.0	140.0	95.9	56.5	28.3	0.0
-67.5°	197.2	158.2	121.3	81.5	51.1	25.6	0.0
-70°	165.9	135.3	102.5	67.0	45.7	22.9	0.0
-72.5°	138.5	112.3	83.5	57.7	40.2	20.1	0.0
-75°	111.6	89.1	64.3	49.6	34.6	17.3	0.0
-77.5°	84.6	65.7	52.3	41.4	28.9	14.5	0.0
-80°	57.5	49.5	41.9	33.2	23.2	11.6	0.0
-82.5°	41.9	37.1	31.5	24.9	17.4	8.7	0.0
-85°	28.0	24.8	21.0	16.6	11.6	5.8	0.0
-87.5°	14.0	12.4	10.5	8.3	5.8	2.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)