

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: P559086 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-935-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559086 (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-935-U-NAT-XX
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (80) 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

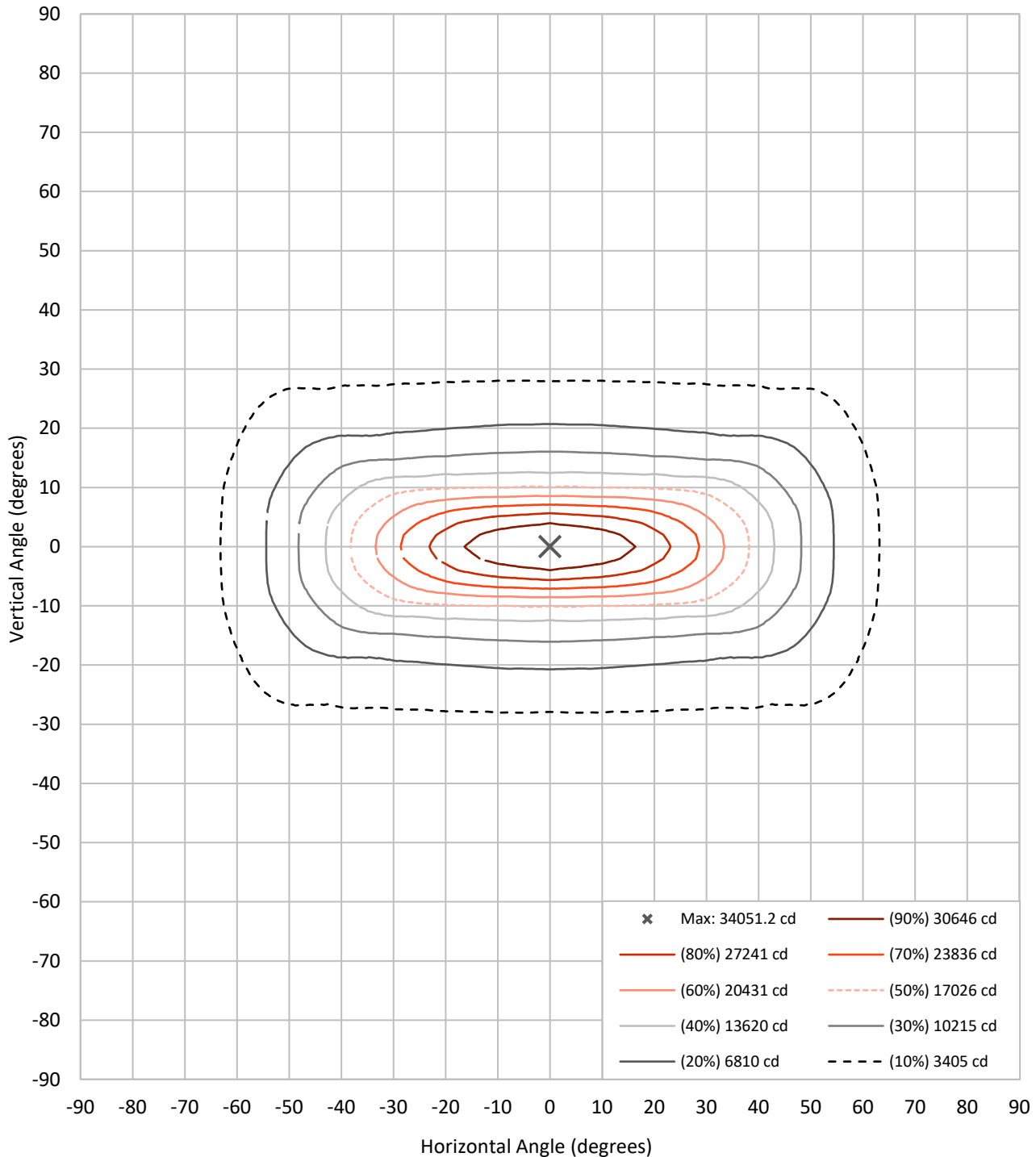
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	24386.8 lumens	Max Intensity:	34051.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	9757.1 lumens	Field Lumens:	19987.5 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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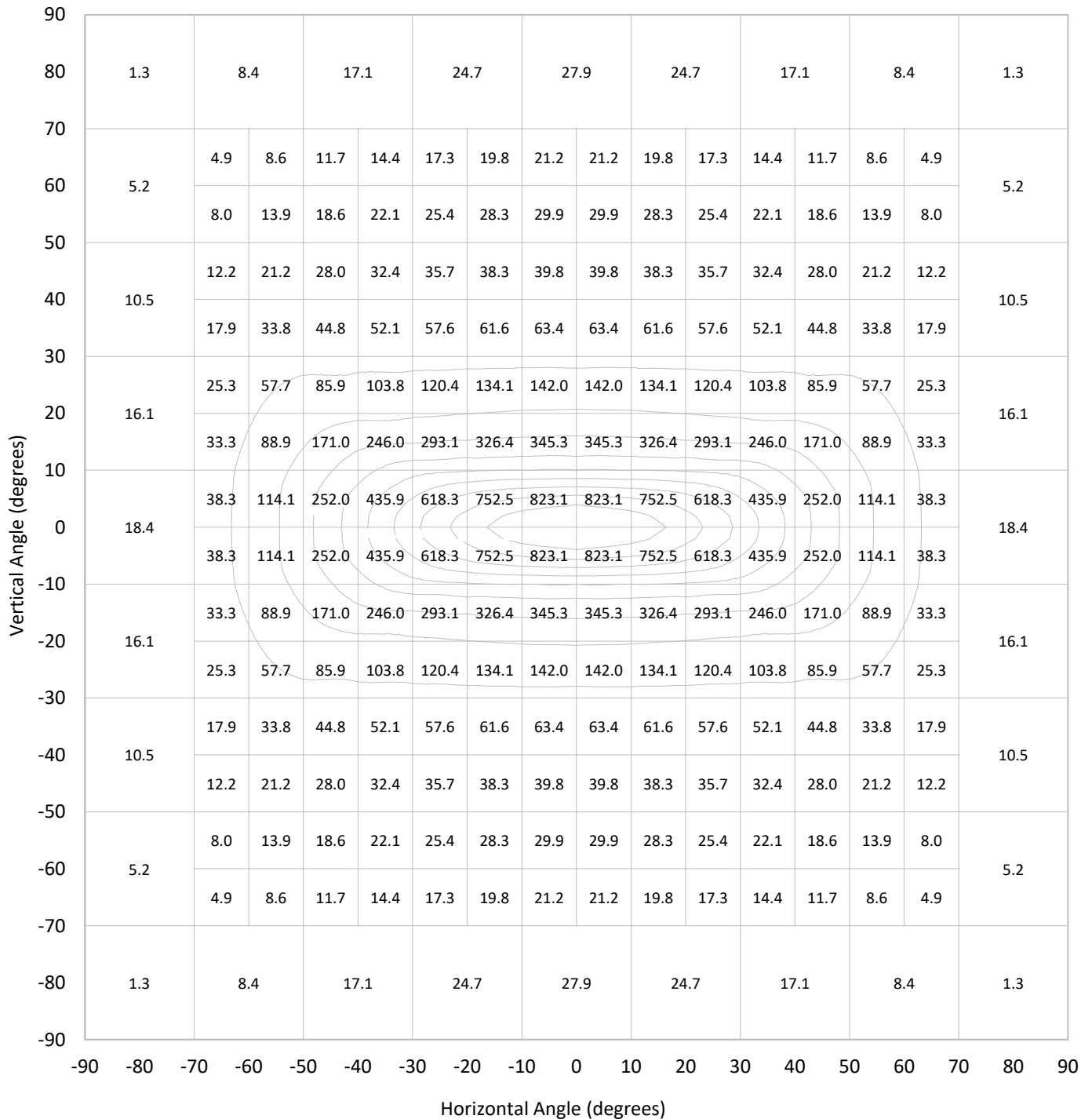
Iso-Candela Plot





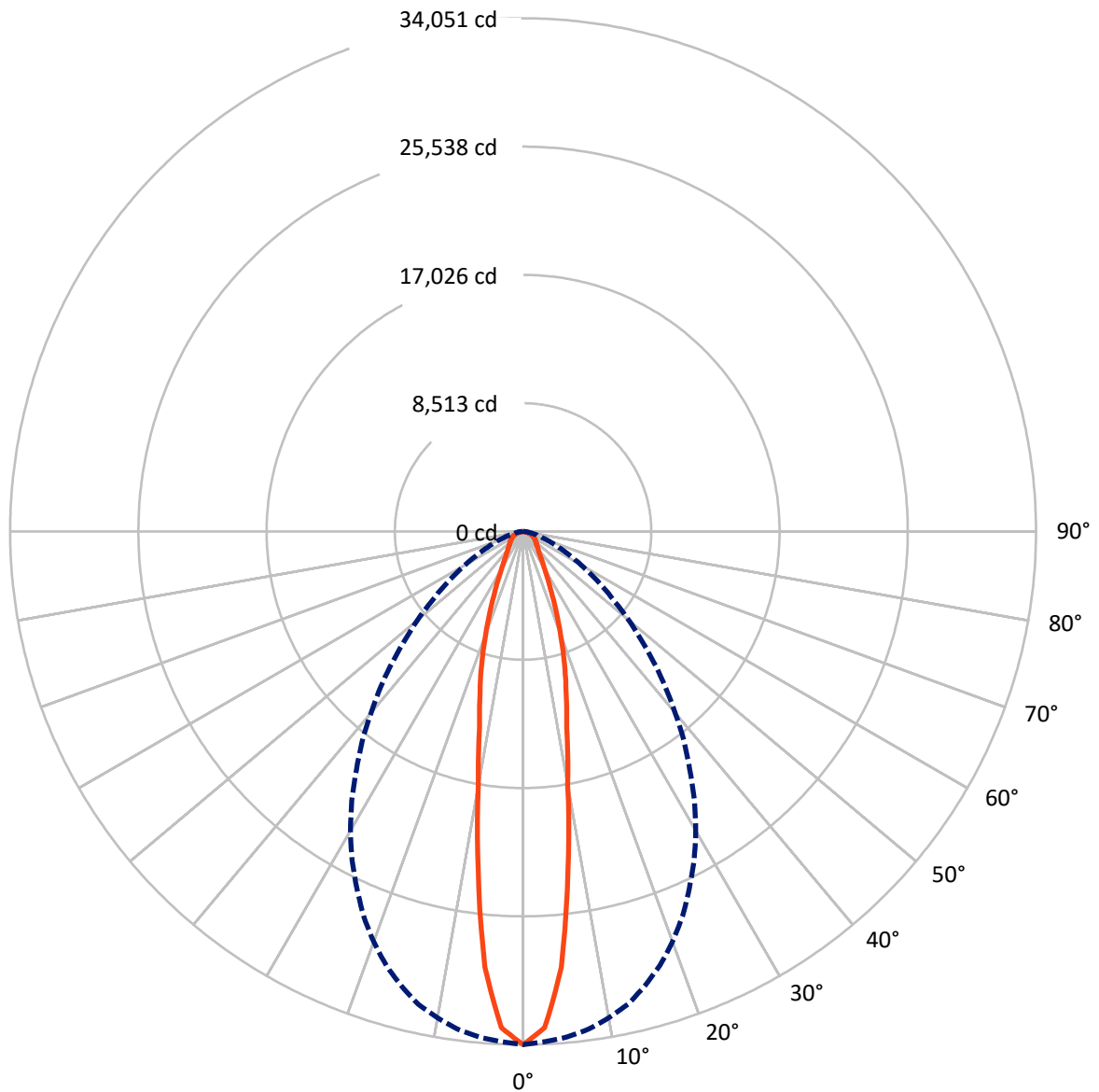
REPORT NUMBER: P559086 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P559086 (CONVERTED FROM TYPE C PHOTOMETRY)
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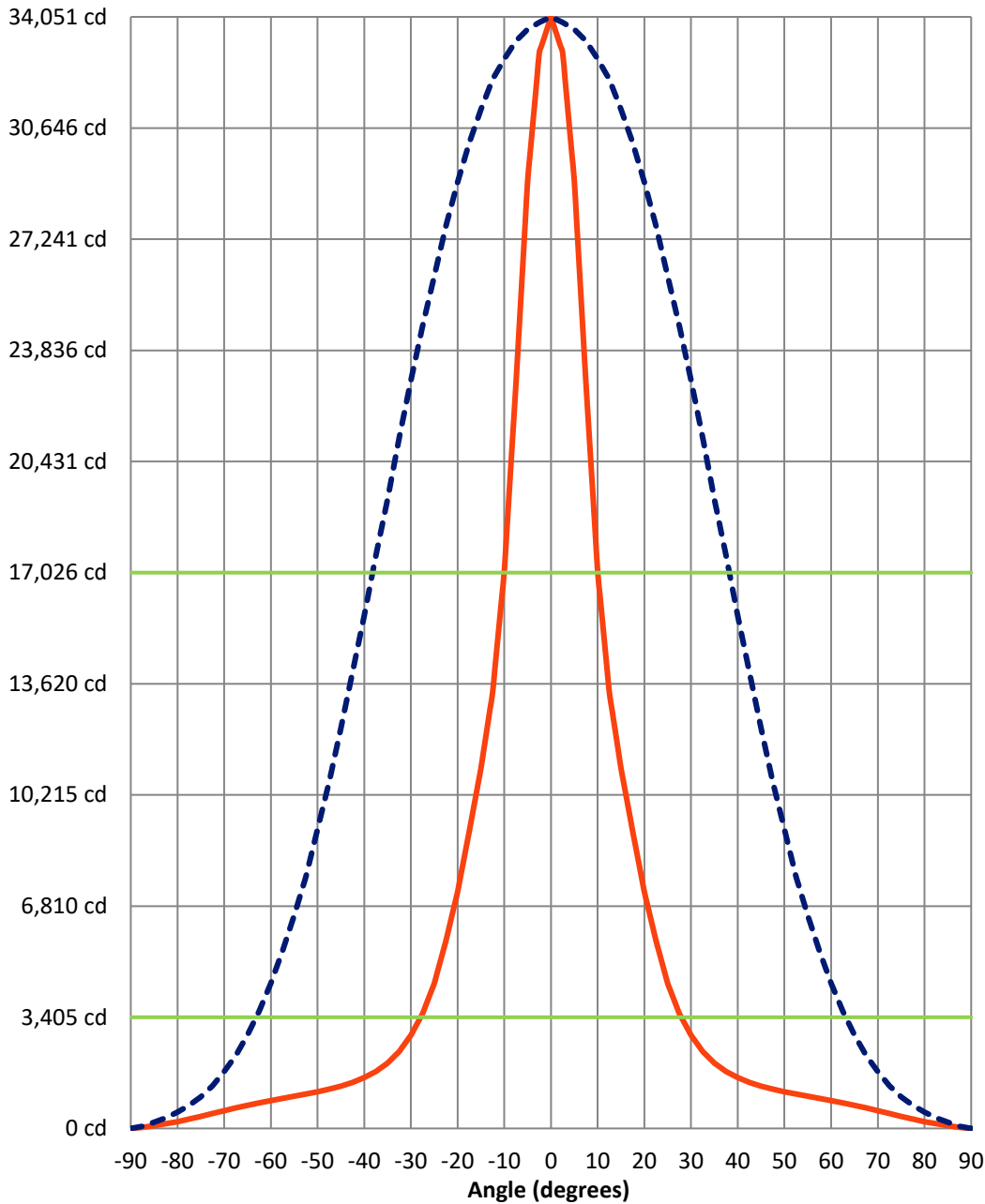
Luminous Intensity Polar Plot



— 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: 9757.1
 Efficiency: 40.0%

Field:
 H Angle: 126.3°
 V Angle: 55.8°
 Lumens: 19987.5
 Efficiency: 82.0%

Spill:
 Lumens: 4399.3
 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	2.8	5.7	8.1	10.2	12.0	13.6	15.4	17.1	18.7	20.1
85°	0.0	5.7	11.3	16.1	20.4	24.1	27.2	30.8	34.2	37.3	40.1
82.5°	0.0	8.5	16.9	24.2	30.6	36.1	40.8	46.2	52.3	62.4	71.5
80°	0.0	11.3	22.5	32.2	40.7	48.1	55.9	71.0	85.1	97.9	109.4
77.5°	0.0	14.1	28.1	40.2	50.9	63.9	82.2	100.6	117.7	133.3	148.1
75°	0.0	16.8	33.6	48.2	62.5	86.5	108.4	130.1	150.7	171.6	189.5
72.5°	0.0	19.5	39.0	56.1	81.1	109.0	134.6	160.6	187.6	211.1	231.0
70°	0.0	22.2	44.4	65.1	99.6	131.4	161.1	194.4	224.5	250.8	276.6
67.5°	0.0	24.9	49.7	79.2	117.9	153.6	191.5	228.1	261.6	295.9	323.6
65°	0.0	27.5	54.9	93.1	136.0	177.7	221.7	261.6	304.3	341.4	374.0
62.5°	0.0	30.0	60.0	106.8	153.8	203.7	251.8	299.3	347.3	388.9	431.4
60°	0.0	32.5	64.9	120.3	171.4	229.4	281.7	338.7	390.4	442.9	489.3
57.5°	0.0	34.9	73.7	133.6	192.2	254.9	315.7	378.0	438.6	497.0	551.9
55°	0.0	37.3	82.4	146.5	212.8	280.1	349.8	417.1	488.1	553.2	618.0
52.5°	0.0	39.6	90.8	159.2	233.0	305.5	383.5	461.0	537.4	616.8	685.9
50°	0.0	41.8	98.9	171.6	252.8	333.4	416.6	505.7	589.5	681.5	766.5
47.5°	0.0	43.9	106.8	184.3	272.3	360.7	450.2	550.6	649.0	747.2	851.4
45°	0.0	46.0	114.4	198.6	291.3	387.4	489.0	595.5	709.9	827.2	939.3
42.5°	0.0	47.9	121.8	212.4	309.8	413.4	527.5	645.3	770.8	909.3	1039.4
40°	0.0	49.8	128.8	225.3	328.8	438.7	565.7	698.0	835.9	993.0	1144.8
37.5°	0.0	51.6	135.5	237.3	348.2	463.2	603.3	750.1	909.6	1080.6	1253.6
35°	0.0	53.2	141.9	248.6	366.8	491.0	640.4	801.4	983.1	1177.7	1371.5
32.5°	0.0	54.8	147.9	259.1	384.7	520.1	678.5	851.8	1056.1	1276.0	1501.1
30°	0.0	56.3	153.6	268.8	401.7	548.3	719.1	903.8	1128.2	1375.2	1633.8
27.5°	0.0	57.7	158.9	277.7	415.9	575.5	758.3	962.6	1203.7	1474.9	1768.8
25°	0.0	58.9	163.9	285.8	428.9	601.5	796.1	1019.6	1285.2	1583.2	1905.9
22.5°	0.0	60.0	168.4	293.1	441.0	624.8	832.2	1074.7	1365.0	1695.3	2055.7
20°	0.0	61.1	172.5	299.6	452.1	642.5	866.4	1127.5	1442.9	1805.8	2204.2
17.5°	0.0	62.0	176.3	305.3	462.2	658.0	892.3	1177.8	1518.1	1913.9	2350.3
15°	0.0	62.8	179.6	310.1	471.1	671.4	911.5	1217.3	1590.1	2018.5	2492.7
12.5°	0.0	63.5	182.4	314.2	479.0	682.7	928.0	1243.0	1641.6	2118.8	2630.1
10°	0.0	64.0	184.8	317.4	485.6	691.8	941.7	1264.3	1674.6	2166.1	2737.3
7.5°	0.0	64.4	186.8	319.8	491.1	698.7	952.5	1281.2	1701.3	2197.2	2785.8
5°	0.0	64.8	188.3	321.4	495.3	703.6	960.3	1293.5	1721.4	2218.7	2823.4
2.5°	0.0	64.9	189.3	322.2	498.1	706.4	965.2	1301.2	1734.9	2230.9	2849.5
0°	0.0	65.0	189.9	322.3	499.7	707.1	967.0	1304.3	1741.5	2233.8	2863.4
-2.5°	0.0	64.9	189.3	322.2	498.1	706.4	965.2	1301.2	1734.9	2230.9	2849.5
-5°	0.0	64.8	188.3	321.4	495.3	703.6	960.3	1293.5	1721.4	2218.7	2823.4
-7.5°	0.0	64.4	186.8	319.8	491.1	698.7	952.5	1281.2	1701.3	2197.2	2785.8
-10°	0.0	64.0	184.8	317.4	485.6	691.8	941.7	1264.3	1674.6	2166.1	2737.3
-12.5°	0.0	63.5	182.4	314.2	479.0	682.7	928.0	1243.0	1641.6	2118.8	2630.1
-15°	0.0	62.8	179.6	310.1	471.1	671.4	911.5	1217.3	1590.1	2018.5	2492.7
-17.5°	0.0	62.0	176.3	305.3	462.2	658.0	892.3	1177.8	1518.1	1913.9	2350.3
-20°	0.0	61.1	172.5	299.6	452.1	642.5	866.4	1127.5	1442.9	1805.8	2204.2



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 CATALOG NUMBER: GFLD-SA5D-935-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	60.0	168.4	293.1	441.0	624.8	832.2	1074.7	1365.0	1695.3	2055.7
-25°	0.0	58.9	163.9	285.8	428.9	601.5	796.1	1019.6	1285.2	1583.2	1905.9
-27.5°	0.0	57.7	158.9	277.7	415.9	575.5	758.3	962.6	1203.7	1474.9	1768.8
-30°	0.0	56.3	153.6	268.8	401.7	548.3	719.1	903.8	1128.2	1375.2	1633.8
-32.5°	0.0	54.8	147.9	259.1	384.7	520.1	678.5	851.8	1056.1	1276.0	1501.1
-35°	0.0	53.2	141.9	248.6	366.8	491.0	640.4	801.4	983.1	1177.7	1371.5
-37.5°	0.0	51.6	135.5	237.3	348.2	463.2	603.3	750.1	909.6	1080.6	1253.6
-40°	0.0	49.8	128.8	225.3	328.8	438.7	565.7	698.0	835.9	993.0	1144.8
-42.5°	0.0	47.9	121.8	212.4	309.8	413.4	527.5	645.3	770.8	909.3	1039.4
-45°	0.0	46.0	114.4	198.6	291.3	387.4	489.0	595.5	709.9	827.2	939.3
-47.5°	0.0	43.9	106.8	184.3	272.3	360.7	450.2	550.6	649.0	747.2	851.4
-50°	0.0	41.8	98.9	171.6	252.8	333.4	416.6	505.7	589.5	681.5	766.5
-52.5°	0.0	39.6	90.8	159.2	233.0	305.5	383.5	461.0	537.4	616.8	685.9
-55°	0.0	37.3	82.4	146.5	212.8	280.1	349.8	417.1	488.1	553.2	618.0
-57.5°	0.0	34.9	73.7	133.6	192.2	254.9	315.7	378.0	438.6	497.0	551.9
-60°	0.0	32.5	64.9	120.3	171.4	229.4	281.7	338.7	390.4	442.9	489.3
-62.5°	0.0	30.0	60.0	106.8	153.8	203.7	251.8	299.3	347.3	388.9	431.4
-65°	0.0	27.5	54.9	93.1	136.0	177.7	221.7	261.6	304.3	341.4	374.0
-67.5°	0.0	24.9	49.7	79.2	117.9	153.6	191.5	228.1	261.6	295.9	323.6
-70°	0.0	22.2	44.4	65.1	99.6	131.4	161.1	194.4	224.5	250.8	276.6
-72.5°	0.0	19.5	39.0	56.1	81.1	109.0	134.6	160.6	187.6	211.1	231.0
-75°	0.0	16.8	33.6	48.2	62.5	86.5	108.4	130.1	150.7	171.6	189.5
-77.5°	0.0	14.1	28.1	40.2	50.9	63.9	82.2	100.6	117.7	133.3	148.1
-80°	0.0	11.3	22.5	32.2	40.7	48.1	55.9	71.0	85.1	97.9	109.4
-82.5°	0.0	8.5	16.9	24.2	30.6	36.1	40.8	46.2	52.3	62.4	71.5
-85°	0.0	5.7	11.3	16.1	20.4	24.1	27.2	30.8	34.2	37.3	40.1
-87.5°	0.0	2.8	5.7	8.1	10.2	12.0	13.6	15.4	17.1	18.7	20.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559086 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-935-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°	21.6	23.1	24.5	25.8	27.0	28.1	29.1	30.1	31.3	32.6	33.7
85°	43.3	46.2	51.2	55.3	59.0	62.3	65.0	67.3	69.7	71.7	73.3
82.5°	79.5	86.2	91.5	95.5	100.1	104.1	107.5	110.5	113.6	116.5	119.0
80°	118.8	126.4	134.2	141.0	147.7	152.7	155.8	157.1	161.1	166.2	171.4
77.5°	161.2	172.6	182.8	191.5	198.6	204.9	209.3	212.1	218.4	225.6	232.0
75°	205.0	219.0	233.0	245.3	255.0	262.2	267.4	271.7	279.3	288.8	297.0
72.5°	250.7	269.5	286.1	300.4	313.4	323.4	330.8	335.6	343.2	354.4	363.5
70°	298.7	320.3	342.8	361.2	375.1	386.8	396.6	403.3	410.1	421.5	430.0
67.5°	348.5	379.3	404.2	423.7	439.2	453.6	464.6	471.8	474.8	486.3	495.8
65°	407.1	440.1	467.8	489.7	505.2	523.0	535.3	541.3	543.3	555.8	567.6
62.5°	466.9	503.3	533.8	558.8	579.0	595.9	609.7	617.4	618.7	628.0	641.5
60°	530.7	568.0	604.2	634.4	656.0	673.3	688.3	696.5	698.1	701.8	717.3
57.5°	597.2	637.4	679.7	713.7	738.7	753.1	769.4	778.5	782.1	779.9	795.9
55°	669.5	711.4	759.0	798.6	825.4	838.4	853.7	866.7	871.2	868.3	877.8
52.5°	751.4	793.1	844.0	887.4	917.3	933.0	943.7	959.5	966.6	963.4	961.5
50°	837.5	889.9	932.0	981.6	1017.8	1038.4	1038.7	1058.2	1067.6	1064.7	1051.8
47.5°	934.9	994.1	1025.9	1082.8	1129.8	1154.1	1155.7	1163.5	1175.0	1178.1	1167.1
45°	1040.2	1112.4	1146.6	1197.4	1250.1	1279.8	1288.8	1274.9	1295.6	1302.0	1295.1
42.5°	1151.1	1243.2	1297.2	1317.9	1379.1	1420.4	1436.4	1426.6	1425.5	1440.0	1439.7
40°	1279.2	1385.0	1466.1	1487.5	1518.5	1575.5	1609.3	1607.4	1569.6	1596.5	1603.6
37.5°	1416.1	1553.6	1653.8	1698.4	1674.9	1751.0	1800.5	1820.5	1796.9	1770.4	1800.6
35°	1560.2	1733.9	1869.0	1945.1	1948.5	1946.7	2024.2	2065.7	2068.5	2020.0	2031.0
32.5°	1721.5	1925.4	2104.4	2227.4	2283.2	2248.7	2268.9	2356.1	2398.8	2380.3	2310.5
30°	1894.6	2144.9	2364.4	2537.8	2662.6	2699.4	2616.2	2684.3	2778.9	2816.7	2786.4
27.5°	2069.7	2377.8	2656.1	2896.5	3089.9	3212.4	3215.3	3110.2	3217.5	3308.6	3343.8
25°	2247.6	2610.8	2965.4	3291.3	3583.9	3794.5	3891.5	3902.7	3752.5	3889.0	4016.2
22.5°	2437.2	2850.5	3271.4	3711.8	4119.4	4428.7	4663.6	4805.2	4800.6	4657.3	4769.1
20°	2637.9	3111.5	3601.6	4124.0	4679.9	5105.0	5498.8	5799.9	5981.3	6041.5	5924.1
17.5°	2838.1	3374.7	3948.2	4570.4	5213.7	5802.9	6393.1	6873.6	7254.4	7567.0	7678.8
15°	3035.9	3637.4	4296.2	5019.8	5763.2	6500.8	7259.5	7995.5	8643.5	9215.4	9554.5
12.5°	3229.1	3896.5	4641.4	5467.2	6320.4	7208.2	8113.6	9010.2	9943.7	10870.1	11574.2
10°	3415.4	4148.7	4979.5	5906.8	6877.1	7915.4	8966.1	10030.3	11164.2	12256.8	13308.7
7.5°	3495.1	4313.7	5270.7	6332.6	7424.4	8611.7	9805.8	11041.1	12366.0	13640.9	14925.4
5°	3544.2	4379.1	5352.6	6458.9	7673.4	9066.1	10490.8	12021.1	13532.9	15000.8	16514.4
2.5°	3576.9	4423.8	5407.2	6508.8	7710.5	9140.8	10583.4	12172.3	13868.6	15565.8	17367.7
0°	3593.0	4447.5	5434.5	6523.9	7705.7	9164.9	10619.1	12258.2	13977.3	15703.8	17547.8
-2.5°	3576.9	4423.8	5407.2	6508.8	7710.5	9140.8	10583.4	12172.3	13868.6	15565.8	17367.7
-5°	3544.2	4379.1	5352.6	6458.9	7673.4	9066.1	10490.8	12021.1	13532.9	15000.8	16514.4
-7.5°	3495.1	4313.7	5270.7	6332.6	7424.4	8611.7	9805.8	11041.1	12366.0	13640.9	14925.4
-10°	3415.4	4148.7	4979.5	5906.8	6877.1	7915.4	8966.1	10030.3	11164.2	12256.8	13308.7
-12.5°	3229.1	3896.5	4641.4	5467.2	6320.4	7208.2	8113.6	9010.2	9943.7	10870.1	11574.2
-15°	3035.9	3637.4	4296.2	5019.8	5763.2	6500.8	7259.5	7995.5	8643.5	9215.4	9554.5
-17.5°	2838.1	3374.7	3948.2	4570.4	5213.7	5802.9	6393.1	6873.6	7254.4	7567.0	7678.8
-20°	2637.9	3111.5	3601.6	4124.0	4679.9	5105.0	5498.8	5799.9	5981.3	6041.5	5924.1



REPORT NUMBER: P559086 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-935-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°	2437.2	2850.5	3271.4	3711.8	4119.4	4428.7	4663.6	4805.2	4800.6	4657.3	4769.1
-25°	2247.6	2610.8	2965.4	3291.3	3583.9	3794.5	3891.5	3902.7	3752.5	3889.0	4016.2
-27.5°	2069.7	2377.8	2656.1	2896.5	3089.9	3212.4	3215.3	3110.2	3217.5	3308.6	3343.8
-30°	1894.6	2144.9	2364.4	2537.8	2662.6	2699.4	2616.2	2684.3	2778.9	2816.7	2786.4
-32.5°	1721.5	1925.4	2104.4	2227.4	2283.2	2248.7	2268.9	2356.1	2398.8	2380.3	2310.5
-35°	1560.2	1733.9	1869.0	1945.1	1948.5	1946.7	2024.2	2065.7	2068.5	2020.0	2031.0
-37.5°	1416.1	1553.6	1653.8	1698.4	1674.9	1751.0	1800.5	1820.5	1796.9	1770.4	1800.6
-40°	1279.2	1385.0	1466.1	1487.5	1518.5	1575.5	1609.3	1607.4	1569.6	1596.5	1603.6
-42.5°	1151.1	1243.2	1297.2	1317.9	1379.1	1420.4	1436.4	1426.6	1425.5	1440.0	1439.7
-45°	1040.2	1112.4	1146.6	1197.4	1250.1	1279.8	1288.8	1274.9	1295.6	1302.0	1295.1
-47.5°	934.9	994.1	1025.9	1082.8	1129.8	1154.1	1155.7	1163.5	1175.0	1178.1	1167.1
-50°	837.5	889.9	932.0	981.6	1017.8	1038.4	1038.7	1058.2	1067.6	1064.7	1051.8
-52.5°	751.4	793.1	844.0	887.4	917.3	933.0	943.7	959.5	966.6	963.4	961.5
-55°	669.5	711.4	759.0	798.6	825.4	838.4	853.7	866.7	871.2	868.3	877.8
-57.5°	597.2	637.4	679.7	713.7	738.7	753.1	769.4	778.5	782.1	779.9	795.9
-60°	530.7	568.0	604.2	634.4	656.0	673.3	688.3	696.5	698.1	701.8	717.3
-62.5°	466.9	503.3	533.8	558.8	579.0	595.9	609.7	617.4	618.7	628.0	641.5
-65°	407.1	440.1	467.8	489.7	505.2	523.0	535.3	541.3	543.3	555.8	567.6
-67.5°	348.5	379.3	404.2	423.7	439.2	453.6	464.6	471.8	474.8	486.3	495.8
-70°	298.7	320.3	342.8	361.2	375.1	386.8	396.6	403.3	410.1	421.5	430.0
-72.5°	250.7	269.5	286.1	300.4	313.4	323.4	330.8	335.6	343.2	354.4	363.5
-75°	205.0	219.0	233.0	245.3	255.0	262.2	267.4	271.7	279.3	288.8	297.0
-77.5°	161.2	172.6	182.8	191.5	198.6	204.9	209.3	212.1	218.4	225.6	232.0
-80°	118.8	126.4	134.2	141.0	147.7	152.7	155.8	157.1	161.1	166.2	171.4
-82.5°	79.5	86.2	91.5	95.5	100.1	104.1	107.5	110.5	113.6	116.5	119.0
-85°	43.3	46.2	51.2	55.3	59.0	62.3	65.0	67.3	69.7	71.7	73.3
-87.5°	21.6	23.1	24.5	25.8	27.0	28.1	29.1	30.1	31.3	32.6	33.7
-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°	34.8	34.3	33.6	32.7	31.7	31.8	31.7	31.6	31.4	31.1	30.8
85°	74.4	75.8	77.2	78.5	79.7	81.0	82.1	83.0	83.8	83.7	83.4
82.5°	121.1	125.1	129.2	133.0	136.6	138.5	139.9	140.8	141.3	142.5	143.4
80°	175.8	181.8	187.3	191.8	195.5	198.3	200.5	202.3	203.6	205.1	206.1
77.5°	237.9	244.5	250.8	256.4	261.1	265.6	269.4	272.4	274.7	278.2	281.3
75°	303.8	311.3	319.1	326.2	332.4	338.9	345.4	351.4	356.7	361.2	364.5
72.5°	370.5	378.4	388.0	397.0	405.3	414.2	422.9	430.5	437.1	443.3	448.9
70°	436.3	443.7	456.1	468.0	479.2	489.9	500.4	509.8	518.2	526.2	533.5
67.5°	504.3	512.0	527.5	541.4	553.8	565.5	577.7	588.6	598.1	606.6	614.0
65°	576.8	583.6	600.3	615.5	628.7	639.7	652.8	664.7	675.4	684.7	692.6
62.5°	651.8	658.7	672.5	687.5	699.9	710.5	726.0	739.5	750.8	760.3	768.3
60°	728.0	733.9	744.5	761.0	775.0	786.5	800.2	813.2	824.3	833.6	842.0
57.5°	807.1	813.1	818.2	834.7	848.2	858.6	870.5	883.3	894.1	902.9	911.5
55°	888.8	893.4	891.8	907.1	919.7	928.2	937.1	950.6	961.2	969.1	977.0
52.5°	972.3	977.8	974.0	980.5	994.2	1001.9	1005.7	1020.3	1031.2	1038.3	1045.5
50°	1065.3	1069.7	1066.3	1062.6	1076.0	1083.9	1086.1	1097.9	1107.8	1113.3	1118.4
47.5°	1166.2	1171.5	1168.8	1154.2	1166.1	1176.2	1176.5	1181.5	1191.8	1195.9	1199.0
45°	1275.8	1286.2	1283.9	1273.8	1272.2	1282.5	1281.5	1277.4	1289.3	1294.6	1296.3
42.5°	1419.7	1416.3	1419.5	1413.7	1395.5	1407.2	1408.7	1393.9	1408.7	1415.2	1411.4
40°	1595.8	1563.7	1581.4	1578.8	1561.8	1559.3	1568.4	1556.4	1558.7	1567.8	1560.8
37.5°	1805.4	1782.4	1772.8	1780.8	1775.8	1754.1	1771.4	1767.1	1753.5	1768.9	1762.1
35°	2063.4	2056.5	2004.7	2036.2	2042.8	2022.2	2028.2	2037.1	2007.4	2030.7	2028.3
32.5°	2365.1	2380.4	2369.2	2349.8	2379.2	2383.0	2348.9	2389.8	2373.3	2379.2	2395.3
30°	2706.7	2785.1	2823.2	2789.1	2807.4	2844.0	2827.2	2855.6	2869.2	2847.9	2888.2
27.5°	3303.5	3275.6	3367.0	3406.9	3364.3	3430.9	3479.2	3457.8	3528.4	3486.6	3546.4
25°	4062.0	4021.1	4045.6	4177.1	4206.3	4172.5	4308.6	4324.6	4380.8	4387.6	4429.3
22.5°	4953.0	5051.7	5040.2	5080.2	5245.3	5300.6	5350.9	5481.9	5452.0	5570.7	5591.3
20°	5949.4	6197.3	6368.1	6403.9	6474.6	6664.5	6751.5	6854.9	6924.3	7036.7	7131.7
17.5°	7634.9	7507.9	7842.8	8053.2	8163.9	8203.4	8432.1	8506.7	8678.5	8776.7	8874.1
15°	9799.0	9873.0	9721.8	9922.4	10261.3	10375.7	10244.1	10551.3	10637.7	10803.0	10832.3
12.5°	12112.1	12486.5	12670.1	12720.0	12542.9	13024.9	13217.9	12975.6	13250.6	13201.0	13427.2
10°	14319.2	15229.0	15773.6	16156.7	16389.5	16529.8	16669.2	16919.7	16924.1	17109.7	17001.3
7.5°	16131.2	17284.7	18386.6	19455.6	20310.7	20790.0	21166.4	21527.4	22009.1	22239.8	22389.7
5°	17904.0	19234.7	20553.3	21849.1	23022.5	24151.4	25257.9	26217.7	26726.3	27320.7	27850.5
2.5°	19050.5	20733.9	22417.8	24085.6	25441.5	26685.7	27837.2	28906.8	29845.1	30713.1	31446.1
0°	19274.3	21158.3	22914.8	24578.9	26105.6	27642.2	28984.0	30193.3	31215.2	32137.2	32759.4
-2.5°	19050.5	20733.9	22417.8	24085.6	25441.5	26685.7	27837.2	28906.8	29845.1	30713.1	31446.1
-5°	17904.0	19234.7	20553.3	21849.1	23022.5	24151.4	25257.9	26217.7	26726.3	27320.7	27850.5
-7.5°	16131.2	17284.7	18386.6	19455.6	20310.7	20790.0	21166.4	21527.4	22009.1	22239.8	22389.7
-10°	14319.2	15229.0	15773.6	16156.7	16389.5	16529.8	16669.2	16919.7	16924.1	17109.7	17001.3
-12.5°	12112.1	12486.5	12670.1	12720.0	12542.9	13024.9	13217.9	12975.6	13250.6	13201.0	13427.2
-15°	9799.0	9873.0	9721.8	9922.4	10261.3	10375.7	10244.1	10551.3	10637.7	10803.0	10832.3
-17.5°	7634.9	7507.9	7842.8	8053.2	8163.9	8203.4	8432.1	8506.7	8678.5	8776.7	8874.1
-20°	5949.4	6197.3	6368.1	6403.9	6474.6	6664.5	6751.5	6854.9	6924.3	7036.7	7131.7



REPORT NUMBER: P559086 (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°	4953.0	5051.7	5040.2	5080.2	5245.3	5300.6	5350.9	5481.9	5452.0	5570.7	5591.3
-25°	4062.0	4021.1	4045.6	4177.1	4206.3	4172.5	4308.6	4324.6	4380.8	4387.6	4429.3
-27.5°	3303.5	3275.6	3367.0	3406.9	3364.3	3430.9	3479.2	3457.8	3528.4	3486.6	3546.4
-30°	2706.7	2785.1	2823.2	2789.1	2807.4	2844.0	2827.2	2855.6	2869.2	2847.9	2888.2
-32.5°	2365.1	2380.4	2369.2	2349.8	2379.2	2383.0	2348.9	2389.8	2373.3	2379.2	2395.3
-35°	2063.4	2056.5	2004.7	2036.2	2042.8	2022.2	2028.2	2037.1	2007.4	2030.7	2028.3
-37.5°	1805.4	1782.4	1772.8	1780.8	1775.8	1754.1	1771.4	1767.1	1753.5	1768.9	1762.1
-40°	1595.8	1563.7	1581.4	1578.8	1561.8	1559.3	1568.4	1556.4	1558.7	1567.8	1560.8
-42.5°	1419.7	1416.3	1419.5	1413.7	1395.5	1407.2	1408.7	1393.9	1408.7	1415.2	1411.4
-45°	1275.8	1286.2	1283.9	1273.8	1272.2	1282.5	1281.5	1277.4	1289.3	1294.6	1296.3
-47.5°	1166.2	1171.5	1168.8	1154.2	1166.1	1176.2	1176.5	1181.5	1191.8	1195.9	1199.0
-50°	1065.3	1069.7	1066.3	1062.6	1076.0	1083.9	1086.1	1097.9	1107.8	1113.3	1118.4
-52.5°	972.3	977.8	974.0	980.5	994.2	1001.9	1005.7	1020.3	1031.2	1038.3	1045.5
-55°	888.8	893.4	891.8	907.1	919.7	928.2	937.1	950.6	961.2	969.1	977.0
-57.5°	807.1	813.1	818.2	834.7	848.2	858.6	870.5	883.3	894.1	902.9	911.5
-60°	728.0	733.9	744.5	761.0	775.0	786.5	800.2	813.2	824.3	833.6	842.0
-62.5°	651.8	658.7	672.5	687.5	699.9	710.5	726.0	739.5	750.8	760.3	768.3
-65°	576.8	583.6	600.3	615.5	628.7	639.7	652.8	664.7	675.4	684.7	692.6
-67.5°	504.3	512.0	527.5	541.4	553.8	565.5	577.7	588.6	598.1	606.6	614.0
-70°	436.3	443.7	456.1	468.0	479.2	489.9	500.4	509.8	518.2	526.2	533.5
-72.5°	370.5	378.4	388.0	397.0	405.3	414.2	422.9	430.5	437.1	443.3	448.9
-75°	303.8	311.3	319.1	326.2	332.4	338.9	345.4	351.4	356.7	361.2	364.5
-77.5°	237.9	244.5	250.8	256.4	261.1	265.6	269.4	272.4	274.7	278.2	281.3
-80°	175.8	181.8	187.3	191.8	195.5	198.3	200.5	202.3	203.6	205.1	206.1
-82.5°	121.1	125.1	129.2	133.0	136.6	138.5	139.9	140.8	141.3	142.5	143.4
-85°	74.4	75.8	77.2	78.5	79.7	81.0	82.1	83.0	83.8	83.7	83.4
-87.5°	34.8	34.3	33.6	32.7	31.7	31.8	31.7	31.6	31.4	31.1	30.8
-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: P559086 (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°
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°	30.4	29.9	31.2	32.5	31.2	29.9	30.4	30.8	31.1	31.4	31.6
85°	82.9	82.1	83.6	85.0	83.6	82.1	82.9	83.4	83.7	83.8	83.0
82.5°	143.9	144.2	144.7	144.9	144.7	144.2	143.9	143.4	142.5	141.3	140.8
80°	206.5	206.5	205.9	204.9	205.9	206.5	206.5	206.1	205.1	203.6	202.3
77.5°	283.9	285.8	286.9	287.3	286.9	285.8	283.9	281.3	278.2	274.7	272.4
75°	366.8	368.0	368.1	367.3	368.1	368.0	366.8	364.5	361.2	356.7	351.4
72.5°	453.6	457.2	457.9	457.2	457.9	457.2	453.6	448.9	443.3	437.1	430.5
70°	539.5	544.3	544.2	542.2	544.2	544.3	539.5	533.5	526.2	518.2	509.8
67.5°	619.9	624.2	627.6	629.7	627.6	624.2	619.9	614.0	606.6	598.1	588.6
65°	699.0	703.7	706.3	707.1	706.3	703.7	699.0	692.6	684.7	675.4	664.7
62.5°	774.4	778.7	781.2	782.1	781.2	778.7	774.4	768.3	760.3	750.8	739.5
60°	848.5	853.2	854.0	852.0	854.0	853.2	848.5	842.0	833.6	824.3	813.2
57.5°	918.3	923.1	923.0	919.5	923.0	923.1	918.3	911.5	902.9	894.1	883.3
55°	982.7	986.2	987.5	987.0	987.5	986.2	982.7	977.0	969.1	961.2	950.6
52.5°	1050.9	1053.6	1054.8	1054.4	1054.8	1053.6	1050.9	1045.5	1038.3	1031.2	1020.3
50°	1122.1	1122.4	1122.3	1121.9	1122.3	1122.4	1122.1	1118.4	1113.3	1107.8	1097.9
47.5°	1203.3	1204.2	1204.3	1204.3	1204.3	1204.2	1203.3	1199.0	1195.9	1191.8	1181.5
45°	1299.5	1296.9	1294.1	1294.3	1294.1	1296.9	1299.5	1296.3	1294.6	1289.3	1277.4
42.5°	1414.9	1411.9	1408.3	1409.2	1408.3	1411.9	1414.9	1411.4	1415.2	1408.7	1393.9
40°	1566.9	1566.1	1560.9	1559.1	1560.9	1566.1	1566.9	1560.8	1567.8	1558.7	1556.4
37.5°	1763.2	1760.3	1748.9	1744.0	1748.9	1760.3	1763.2	1762.1	1768.9	1753.5	1767.1
35°	2021.3	2017.5	2000.1	2001.4	2000.1	2017.5	2021.3	2028.3	2030.7	2007.4	2037.1
32.5°	2387.3	2388.6	2362.3	2356.2	2362.3	2388.6	2387.3	2395.3	2379.2	2373.3	2389.8
30°	2863.2	2873.6	2842.6	2855.9	2842.6	2873.6	2863.2	2888.2	2847.9	2869.2	2855.6
27.5°	3545.2	3565.1	3537.7	3515.6	3537.7	3565.1	3545.2	3546.4	3486.6	3528.4	3457.8
25°	4484.0	4498.9	4467.5	4440.0	4467.5	4498.9	4484.0	4429.3	4387.6	4380.8	4324.6
22.5°	5706.0	5705.1	5703.4	5746.8	5703.4	5705.1	5706.0	5591.3	5570.7	5452.0	5481.9
20°	7193.1	7157.0	7211.0	7246.0	7211.0	7157.0	7193.1	7131.7	7036.7	6924.3	6854.9
17.5°	8896.7	8964.2	9016.0	9102.5	9016.0	8964.2	8896.7	8874.1	8776.7	8678.5	8506.7
15°	10905.5	11007.4	11059.2	11031.4	11059.2	11007.4	10905.5	10832.3	10803.0	10637.7	10551.3
12.5°	13435.1	13556.7	13466.9	13355.1	13466.9	13556.7	13435.1	13427.2	13201.0	13250.6	12975.6
10°	17002.9	17264.8	17279.4	17060.6	17279.4	17264.8	17002.9	17001.3	17109.7	16924.1	16919.7
7.5°	22476.9	22604.2	22797.6	22807.4	22797.6	22604.2	22476.9	22389.7	22239.8	22009.1	21527.4
5°	28090.8	28429.8	28648.5	29026.4	28648.5	28429.8	28090.8	27850.5	27320.7	26726.3	26217.7
2.5°	31919.4	32357.7	32526.0	32954.3	32526.0	32357.7	31919.4	31446.1	30713.1	29845.1	28906.8
0°	33314.1	33668.9	33881.2	34051.2	33881.2	33668.9	33314.1	32759.4	32137.2	31215.2	30193.3
-2.5°	31919.4	32357.7	32526.0	32954.3	32526.0	32357.7	31919.4	31446.1	30713.1	29845.1	28906.8
-5°	28090.8	28429.8	28648.5	29026.4	28648.5	28429.8	28090.8	27850.5	27320.7	26726.3	26217.7
-7.5°	22476.9	22604.2	22797.6	22807.4	22797.6	22604.2	22476.9	22389.7	22239.8	22009.1	21527.4
-10°	17002.9	17264.8	17279.4	17060.6	17279.4	17264.8	17002.9	17001.3	17109.7	16924.1	16919.7
-12.5°	13435.1	13556.7	13466.9	13355.1	13466.9	13556.7	13435.1	13427.2	13201.0	13250.6	12975.6
-15°	10905.5	11007.4	11059.2	11031.4	11059.2	11007.4	10905.5	10832.3	10803.0	10637.7	10551.3
-17.5°	8896.7	8964.2	9016.0	9102.5	9016.0	8964.2	8896.7	8874.1	8776.7	8678.5	8506.7
-20°	7193.1	7157.0	7211.0	7246.0	7211.0	7157.0	7193.1	7131.7	7036.7	6924.3	6854.9



REPORT NUMBER: P559086 (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°	5706.0	5705.1	5703.4	5746.8	5703.4	5705.1	5706.0	5591.3	5570.7	5452.0	5481.9
-25°	4484.0	4498.9	4467.5	4440.0	4467.5	4498.9	4484.0	4429.3	4387.6	4380.8	4324.6
-27.5°	3545.2	3565.1	3537.7	3515.6	3537.7	3565.1	3545.2	3546.4	3486.6	3528.4	3457.8
-30°	2863.2	2873.6	2842.6	2855.9	2842.6	2873.6	2863.2	2888.2	2847.9	2869.2	2855.6
-32.5°	2387.3	2388.6	2362.3	2356.2	2362.3	2388.6	2387.3	2395.3	2379.2	2373.3	2389.8
-35°	2021.3	2017.5	2000.1	2001.4	2000.1	2017.5	2021.3	2028.3	2030.7	2007.4	2037.1
-37.5°	1763.2	1760.3	1748.9	1744.0	1748.9	1760.3	1763.2	1762.1	1768.9	1753.5	1767.1
-40°	1566.9	1566.1	1560.9	1559.1	1560.9	1566.1	1566.9	1560.8	1567.8	1558.7	1556.4
-42.5°	1414.9	1411.9	1408.3	1409.2	1408.3	1411.9	1414.9	1411.4	1415.2	1408.7	1393.9
-45°	1299.5	1296.9	1294.1	1294.3	1294.1	1296.9	1299.5	1296.3	1294.6	1289.3	1277.4
-47.5°	1203.3	1204.2	1204.3	1204.3	1204.3	1204.2	1203.3	1199.0	1195.9	1191.8	1181.5
-50°	1122.1	1122.4	1122.3	1121.9	1122.3	1122.4	1122.1	1118.4	1113.3	1107.8	1097.9
-52.5°	1050.9	1053.6	1054.8	1054.4	1054.8	1053.6	1050.9	1045.5	1038.3	1031.2	1020.3
-55°	982.7	986.2	987.5	987.0	987.5	986.2	982.7	977.0	969.1	961.2	950.6
-57.5°	918.3	923.1	923.0	919.5	923.0	923.1	918.3	911.5	902.9	894.1	883.3
-60°	848.5	853.2	854.0	852.0	854.0	853.2	848.5	842.0	833.6	824.3	813.2
-62.5°	774.4	778.7	781.2	782.1	781.2	778.7	774.4	768.3	760.3	750.8	739.5
-65°	699.0	703.7	706.3	707.1	706.3	703.7	699.0	692.6	684.7	675.4	664.7
-67.5°	619.9	624.2	627.6	629.7	627.6	624.2	619.9	614.0	606.6	598.1	588.6
-70°	539.5	544.3	544.2	542.2	544.2	544.3	539.5	533.5	526.2	518.2	509.8
-72.5°	453.6	457.2	457.9	457.2	457.9	457.2	453.6	448.9	443.3	437.1	430.5
-75°	366.8	368.0	368.1	367.3	368.1	368.0	366.8	364.5	361.2	356.7	351.4
-77.5°	283.9	285.8	286.9	287.3	286.9	285.8	283.9	281.3	278.2	274.7	272.4
-80°	206.5	206.5	205.9	204.9	205.9	206.5	206.5	206.1	205.1	203.6	202.3
-82.5°	143.9	144.2	144.7	144.9	144.7	144.2	143.9	143.4	142.5	141.3	140.8
-85°	82.9	82.1	83.6	85.0	83.6	82.1	82.9	83.4	83.7	83.8	83.0
-87.5°	30.4	29.9	31.2	32.5	31.2	29.9	30.4	30.8	31.1	31.4	31.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	31.7	31.8	31.7	32.7	33.6	34.3	34.8	33.7	32.6	31.3	30.1
85°	82.1	81.0	79.7	78.5	77.2	75.8	74.4	73.3	71.7	69.7	67.3
82.5°	139.9	138.5	136.6	133.0	129.2	125.1	121.1	119.0	116.5	113.6	110.5
80°	200.5	198.3	195.5	191.8	187.3	181.8	175.8	171.4	166.2	161.1	157.1
77.5°	269.4	265.6	261.1	256.4	250.8	244.5	237.9	232.0	225.6	218.4	212.1
75°	345.4	338.9	332.4	326.2	319.1	311.3	303.8	297.0	288.8	279.3	271.7
72.5°	422.9	414.2	405.3	397.0	388.0	378.4	370.5	363.5	354.4	343.2	335.6
70°	500.4	489.9	479.2	468.0	456.1	443.7	436.3	430.0	421.5	410.1	403.3
67.5°	577.7	565.5	553.8	541.4	527.5	512.0	504.3	495.8	486.3	474.8	471.8
65°	652.8	639.7	628.7	615.5	600.3	583.6	576.8	567.6	555.8	543.3	541.3
62.5°	726.0	710.5	699.9	687.5	672.5	658.7	651.8	641.5	628.0	618.7	617.4
60°	800.2	786.5	775.0	761.0	744.5	733.9	728.0	717.3	701.8	698.1	696.5
57.5°	870.5	858.6	848.2	834.7	818.2	813.1	807.1	795.9	779.9	782.1	778.5
55°	937.1	928.2	919.7	907.1	891.8	893.4	888.8	877.8	868.3	871.2	866.7
52.5°	1005.7	1001.9	994.2	980.5	974.0	977.8	972.3	961.5	963.4	966.6	959.5
50°	1086.1	1083.9	1076.0	1062.6	1066.3	1069.7	1065.3	1051.8	1064.7	1067.6	1058.2
47.5°	1176.5	1176.2	1166.1	1154.2	1168.8	1171.5	1166.2	1167.1	1178.1	1175.0	1163.5
45°	1281.5	1282.5	1272.2	1273.8	1283.9	1286.2	1275.8	1295.1	1302.0	1295.6	1274.9
42.5°	1408.7	1407.2	1395.5	1413.7	1419.5	1416.3	1419.7	1439.7	1440.0	1425.5	1426.6
40°	1568.4	1559.3	1561.8	1578.8	1581.4	1563.7	1595.8	1603.6	1596.5	1569.6	1607.4
37.5°	1771.4	1754.1	1775.8	1780.8	1772.8	1782.4	1805.4	1800.6	1770.4	1796.9	1820.5
35°	2028.2	2022.2	2042.8	2036.2	2004.7	2056.5	2063.4	2031.0	2020.0	2068.5	2065.7
32.5°	2348.9	2383.0	2379.2	2349.8	2369.2	2380.4	2365.1	2310.5	2380.3	2398.8	2356.1
30°	2827.2	2844.0	2807.4	2789.1	2823.2	2785.1	2706.7	2786.4	2816.7	2778.9	2684.3
27.5°	3479.2	3430.9	3364.3	3406.9	3367.0	3275.6	3303.5	3343.8	3308.6	3217.5	3110.2
25°	4308.6	4172.5	4206.3	4177.1	4045.6	4021.1	4062.0	4016.2	3889.0	3752.5	3902.7
22.5°	5350.9	5300.6	5245.3	5080.2	5040.2	5051.7	4953.0	4769.1	4657.3	4800.6	4805.2
20°	6751.5	6664.5	6474.6	6403.9	6368.1	6197.3	5949.4	5924.1	6041.5	5981.3	5799.9
17.5°	8432.1	8203.4	8163.9	8053.2	7842.8	7507.9	7634.9	7678.8	7567.0	7254.4	6873.6
15°	10244.1	10375.7	10261.3	9922.4	9721.8	9873.0	9799.0	9554.5	9215.4	8643.5	7995.5
12.5°	13217.9	13024.9	12542.9	12720.0	12670.1	12486.5	12112.1	11574.2	10870.1	9943.7	9010.2
10°	16669.2	16529.8	16389.5	16156.7	15773.6	15229.0	14319.2	13308.7	12256.8	11164.2	10030.3
7.5°	21166.4	20790.0	20310.7	19455.6	18386.6	17284.7	16131.2	14925.4	13640.9	12366.0	11041.1
5°	25257.9	24151.4	23022.5	21849.1	20553.3	19234.7	17904.0	16514.4	15000.8	13532.9	12021.1
2.5°	27837.2	26685.7	25441.5	24085.6	22417.8	20733.9	19050.5	17367.7	15565.8	13868.6	12172.3
0°	28984.0	27642.2	26105.6	24578.9	22914.8	21158.3	19274.3	17547.8	15703.8	13977.3	12258.2
-2.5°	27837.2	26685.7	25441.5	24085.6	22417.8	20733.9	19050.5	17367.7	15565.8	13868.6	12172.3
-5°	25257.9	24151.4	23022.5	21849.1	20553.3	19234.7	17904.0	16514.4	15000.8	13532.9	12021.1
-7.5°	21166.4	20790.0	20310.7	19455.6	18386.6	17284.7	16131.2	14925.4	13640.9	12366.0	11041.1
-10°	16669.2	16529.8	16389.5	16156.7	15773.6	15229.0	14319.2	13308.7	12256.8	11164.2	10030.3
-12.5°	13217.9	13024.9	12542.9	12720.0	12670.1	12486.5	12112.1	11574.2	10870.1	9943.7	9010.2
-15°	10244.1	10375.7	10261.3	9922.4	9721.8	9873.0	9799.0	9554.5	9215.4	8643.5	7995.5
-17.5°	8432.1	8203.4	8163.9	8053.2	7842.8	7507.9	7634.9	7678.8	7567.0	7254.4	6873.6
-20°	6751.5	6664.5	6474.6	6403.9	6368.1	6197.3	5949.4	5924.1	6041.5	5981.3	5799.9



REPORT NUMBER: P559086 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-935-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5350.9	5300.6	5245.3	5080.2	5040.2	5051.7	4953.0	4769.1	4657.3	4800.6	4805.2
-25°	4308.6	4172.5	4206.3	4177.1	4045.6	4021.1	4062.0	4016.2	3889.0	3752.5	3902.7
-27.5°	3479.2	3430.9	3364.3	3406.9	3367.0	3275.6	3303.5	3343.8	3308.6	3217.5	3110.2
-30°	2827.2	2844.0	2807.4	2789.1	2823.2	2785.1	2706.7	2786.4	2816.7	2778.9	2684.3
-32.5°	2348.9	2383.0	2379.2	2349.8	2369.2	2380.4	2365.1	2310.5	2380.3	2398.8	2356.1
-35°	2028.2	2022.2	2042.8	2036.2	2004.7	2056.5	2063.4	2031.0	2020.0	2068.5	2065.7
-37.5°	1771.4	1754.1	1775.8	1780.8	1772.8	1782.4	1805.4	1800.6	1770.4	1796.9	1820.5
-40°	1568.4	1559.3	1561.8	1578.8	1581.4	1563.7	1595.8	1603.6	1596.5	1569.6	1607.4
-42.5°	1408.7	1407.2	1395.5	1413.7	1419.5	1416.3	1419.7	1439.7	1440.0	1425.5	1426.6
-45°	1281.5	1282.5	1272.2	1273.8	1283.9	1286.2	1275.8	1295.1	1302.0	1295.6	1274.9
-47.5°	1176.5	1176.2	1166.1	1154.2	1168.8	1171.5	1166.2	1167.1	1178.1	1175.0	1163.5
-50°	1086.1	1083.9	1076.0	1062.6	1066.3	1069.7	1065.3	1051.8	1064.7	1067.6	1058.2
-52.5°	1005.7	1001.9	994.2	980.5	974.0	977.8	972.3	961.5	963.4	966.6	959.5
-55°	937.1	928.2	919.7	907.1	891.8	893.4	888.8	877.8	868.3	871.2	866.7
-57.5°	870.5	858.6	848.2	834.7	818.2	813.1	807.1	795.9	779.9	782.1	778.5
-60°	800.2	786.5	775.0	761.0	744.5	733.9	728.0	717.3	701.8	698.1	696.5
-62.5°	726.0	710.5	699.9	687.5	672.5	658.7	651.8	641.5	628.0	618.7	617.4
-65°	652.8	639.7	628.7	615.5	600.3	583.6	576.8	567.6	555.8	543.3	541.3
-67.5°	577.7	565.5	553.8	541.4	527.5	512.0	504.3	495.8	486.3	474.8	471.8
-70°	500.4	489.9	479.2	468.0	456.1	443.7	436.3	430.0	421.5	410.1	403.3
-72.5°	422.9	414.2	405.3	397.0	388.0	378.4	370.5	363.5	354.4	343.2	335.6
-75°	345.4	338.9	332.4	326.2	319.1	311.3	303.8	297.0	288.8	279.3	271.7
-77.5°	269.4	265.6	261.1	256.4	250.8	244.5	237.9	232.0	225.6	218.4	212.1
-80°	200.5	198.3	195.5	191.8	187.3	181.8	175.8	171.4	166.2	161.1	157.1
-82.5°	139.9	138.5	136.6	133.0	129.2	125.1	121.1	119.0	116.5	113.6	110.5
-85°	82.1	81.0	79.7	78.5	77.2	75.8	74.4	73.3	71.7	69.7	67.3
-87.5°	31.7	31.8	31.7	32.7	33.6	34.3	34.8	33.7	32.6	31.3	30.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559086 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-935-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°	29.1	28.1	27.0	25.8	24.5	23.1	21.6	20.1	18.7	17.1	15.4
85°	65.0	62.3	59.0	55.3	51.2	46.2	43.3	40.1	37.3	34.2	30.8
82.5°	107.5	104.1	100.1	95.5	91.5	86.2	79.5	71.5	62.4	52.3	46.2
80°	155.8	152.7	147.7	141.0	134.2	126.4	118.8	109.4	97.9	85.1	71.0
77.5°	209.3	204.9	198.6	191.5	182.8	172.6	161.2	148.1	133.3	117.7	100.6
75°	267.4	262.2	255.0	245.3	233.0	219.0	205.0	189.5	171.6	150.7	130.1
72.5°	330.8	323.4	313.4	300.4	286.1	269.5	250.7	231.0	211.1	187.6	160.6
70°	396.6	386.8	375.1	361.2	342.8	320.3	298.7	276.6	250.8	224.5	194.4
67.5°	464.6	453.6	439.2	423.7	404.2	379.3	348.5	323.6	295.9	261.6	228.1
65°	535.3	523.0	505.2	489.7	467.8	440.1	407.1	374.0	341.4	304.3	261.6
62.5°	609.7	595.9	579.0	558.8	533.8	503.3	466.9	431.4	388.9	347.3	299.3
60°	688.3	673.3	656.0	634.4	604.2	568.0	530.7	489.3	442.9	390.4	338.7
57.5°	769.4	753.1	738.7	713.7	679.7	637.4	597.2	551.9	497.0	438.6	378.0
55°	853.7	838.4	825.4	798.6	759.0	711.4	669.5	618.0	553.2	488.1	417.1
52.5°	943.7	933.0	917.3	887.4	844.0	793.1	751.4	685.9	616.8	537.4	461.0
50°	1038.7	1038.4	1017.8	981.6	932.0	889.9	837.5	766.5	681.5	589.5	505.7
47.5°	1155.7	1154.1	1129.8	1082.8	1025.9	994.1	934.9	851.4	747.2	649.0	550.6
45°	1288.8	1279.8	1250.1	1197.4	1146.6	1112.4	1040.2	939.3	827.2	709.9	595.5
42.5°	1436.4	1420.4	1379.1	1317.9	1297.2	1243.2	1151.1	1039.4	909.3	770.8	645.3
40°	1609.3	1575.5	1518.5	1487.5	1466.1	1385.0	1279.2	1144.8	993.0	835.9	698.0
37.5°	1800.5	1751.0	1674.9	1698.4	1653.8	1553.6	1416.1	1253.6	1080.6	909.6	750.1
35°	2024.2	1946.7	1948.5	1945.1	1869.0	1733.9	1560.2	1371.5	1177.7	983.1	801.4
32.5°	2268.9	2248.7	2283.2	2227.4	2104.4	1925.4	1721.5	1501.1	1276.0	1056.1	851.8
30°	2616.2	2699.4	2662.6	2537.8	2364.4	2144.9	1894.6	1633.8	1375.2	1128.2	903.8
27.5°	3215.3	3212.4	3089.9	2896.5	2656.1	2377.8	2069.7	1768.8	1474.9	1203.7	962.6
25°	3891.5	3794.5	3583.9	3291.3	2965.4	2610.8	2247.6	1905.9	1583.2	1285.2	1019.6
22.5°	4663.6	4428.7	4119.4	3711.8	3271.4	2850.5	2437.2	2055.7	1695.3	1365.0	1074.7
20°	5498.8	5105.0	4679.9	4124.0	3601.6	3111.5	2637.9	2204.2	1805.8	1442.9	1127.5
17.5°	6393.1	5802.9	5213.7	4570.4	3948.2	3374.7	2838.1	2350.3	1913.9	1518.1	1177.8
15°	7259.5	6500.8	5763.2	5019.8	4296.2	3637.4	3035.9	2492.7	2018.5	1590.1	1217.3
12.5°	8113.6	7208.2	6320.4	5467.2	4641.4	3896.5	3229.1	2630.1	2118.8	1641.6	1243.0
10°	8966.1	7915.4	6877.1	5906.8	4979.5	4148.7	3415.4	2737.3	2166.1	1674.6	1264.3
7.5°	9805.8	8611.7	7424.4	6332.6	5270.7	4313.7	3495.1	2785.8	2197.2	1701.3	1281.2
5°	10490.8	9066.1	7673.4	6458.9	5352.6	4379.1	3544.2	2823.4	2218.7	1721.4	1293.5
2.5°	10583.4	9140.8	7710.5	6508.8	5407.2	4423.8	3576.9	2849.5	2230.9	1734.9	1301.2
0°	10619.1	9164.9	7705.7	6523.9	5434.5	4447.5	3593.0	2863.4	2233.8	1741.5	1304.3
-2.5°	10583.4	9140.8	7710.5	6508.8	5407.2	4423.8	3576.9	2849.5	2230.9	1734.9	1301.2
-5°	10490.8	9066.1	7673.4	6458.9	5352.6	4379.1	3544.2	2823.4	2218.7	1721.4	1293.5
-7.5°	9805.8	8611.7	7424.4	6332.6	5270.7	4313.7	3495.1	2785.8	2197.2	1701.3	1281.2
-10°	8966.1	7915.4	6877.1	5906.8	4979.5	4148.7	3415.4	2737.3	2166.1	1674.6	1264.3
-12.5°	8113.6	7208.2	6320.4	5467.2	4641.4	3896.5	3229.1	2630.1	2118.8	1641.6	1243.0
-15°	7259.5	6500.8	5763.2	5019.8	4296.2	3637.4	3035.9	2492.7	2018.5	1590.1	1217.3
-17.5°	6393.1	5802.9	5213.7	4570.4	3948.2	3374.7	2838.1	2350.3	1913.9	1518.1	1177.8
-20°	5498.8	5105.0	4679.9	4124.0	3601.6	3111.5	2637.9	2204.2	1805.8	1442.9	1127.5



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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°	4663.6	4428.7	4119.4	3711.8	3271.4	2850.5	2437.2	2055.7	1695.3	1365.0	1074.7
-25°	3891.5	3794.5	3583.9	3291.3	2965.4	2610.8	2247.6	1905.9	1583.2	1285.2	1019.6
-27.5°	3215.3	3212.4	3089.9	2896.5	2656.1	2377.8	2069.7	1768.8	1474.9	1203.7	962.6
-30°	2616.2	2699.4	2662.6	2537.8	2364.4	2144.9	1894.6	1633.8	1375.2	1128.2	903.8
-32.5°	2268.9	2248.7	2283.2	2227.4	2104.4	1925.4	1721.5	1501.1	1276.0	1056.1	851.8
-35°	2024.2	1946.7	1948.5	1945.1	1869.0	1733.9	1560.2	1371.5	1177.7	983.1	801.4
-37.5°	1800.5	1751.0	1674.9	1698.4	1653.8	1553.6	1416.1	1253.6	1080.6	909.6	750.1
-40°	1609.3	1575.5	1518.5	1487.5	1466.1	1385.0	1279.2	1144.8	993.0	835.9	698.0
-42.5°	1436.4	1420.4	1379.1	1317.9	1297.2	1243.2	1151.1	1039.4	909.3	770.8	645.3
-45°	1288.8	1279.8	1250.1	1197.4	1146.6	1112.4	1040.2	939.3	827.2	709.9	595.5
-47.5°	1155.7	1154.1	1129.8	1082.8	1025.9	994.1	934.9	851.4	747.2	649.0	550.6
-50°	1038.7	1038.4	1017.8	981.6	932.0	889.9	837.5	766.5	681.5	589.5	505.7
-52.5°	943.7	933.0	917.3	887.4	844.0	793.1	751.4	685.9	616.8	537.4	461.0
-55°	853.7	838.4	825.4	798.6	759.0	711.4	669.5	618.0	553.2	488.1	417.1
-57.5°	769.4	753.1	738.7	713.7	679.7	637.4	597.2	551.9	497.0	438.6	378.0
-60°	688.3	673.3	656.0	634.4	604.2	568.0	530.7	489.3	442.9	390.4	338.7
-62.5°	609.7	595.9	579.0	558.8	533.8	503.3	466.9	431.4	388.9	347.3	299.3
-65°	535.3	523.0	505.2	489.7	467.8	440.1	407.1	374.0	341.4	304.3	261.6
-67.5°	464.6	453.6	439.2	423.7	404.2	379.3	348.5	323.6	295.9	261.6	228.1
-70°	396.6	386.8	375.1	361.2	342.8	320.3	298.7	276.6	250.8	224.5	194.4
-72.5°	330.8	323.4	313.4	300.4	286.1	269.5	250.7	231.0	211.1	187.6	160.6
-75°	267.4	262.2	255.0	245.3	233.0	219.0	205.0	189.5	171.6	150.7	130.1
-77.5°	209.3	204.9	198.6	191.5	182.8	172.6	161.2	148.1	133.3	117.7	100.6
-80°	155.8	152.7	147.7	141.0	134.2	126.4	118.8	109.4	97.9	85.1	71.0
-82.5°	107.5	104.1	100.1	95.5	91.5	86.2	79.5	71.5	62.4	52.3	46.2
-85°	65.0	62.3	59.0	55.3	51.2	46.2	43.3	40.1	37.3	34.2	30.8
-87.5°	29.1	28.1	27.0	25.8	24.5	23.1	21.6	20.1	18.7	17.1	15.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	13.6	12.0	10.2	8.1	5.7	2.8	0.0
85°	27.2	24.1	20.4	16.1	11.3	5.7	0.0
82.5°	40.8	36.1	30.6	24.2	16.9	8.5	0.0
80°	55.9	48.1	40.7	32.2	22.5	11.3	0.0
77.5°	82.2	63.9	50.9	40.2	28.1	14.1	0.0
75°	108.4	86.5	62.5	48.2	33.6	16.8	0.0
72.5°	134.6	109.0	81.1	56.1	39.0	19.5	0.0
70°	161.1	131.4	99.6	65.1	44.4	22.2	0.0
67.5°	191.5	153.6	117.9	79.2	49.7	24.9	0.0
65°	221.7	177.7	136.0	93.1	54.9	27.5	0.0
62.5°	251.8	203.7	153.8	106.8	60.0	30.0	0.0
60°	281.7	229.4	171.4	120.3	64.9	32.5	0.0
57.5°	315.7	254.9	192.2	133.6	73.7	34.9	0.0
55°	349.8	280.1	212.8	146.5	82.4	37.3	0.0
52.5°	383.5	305.5	233.0	159.2	90.8	39.6	0.0
50°	416.6	333.4	252.8	171.6	98.9	41.8	0.0
47.5°	450.2	360.7	272.3	184.3	106.8	43.9	0.0
45°	489.0	387.4	291.3	198.6	114.4	46.0	0.0
42.5°	527.5	413.4	309.8	212.4	121.8	47.9	0.0
40°	565.7	438.7	328.8	225.3	128.8	49.8	0.0
37.5°	603.3	463.2	348.2	237.3	135.5	51.6	0.0
35°	640.4	491.0	366.8	248.6	141.9	53.2	0.0
32.5°	678.5	520.1	384.7	259.1	147.9	54.8	0.0
30°	719.1	548.3	401.7	268.8	153.6	56.3	0.0
27.5°	758.3	575.5	415.9	277.7	158.9	57.7	0.0
25°	796.1	601.5	428.9	285.8	163.9	58.9	0.0
22.5°	832.2	624.8	441.0	293.1	168.4	60.0	0.0
20°	866.4	642.5	452.1	299.6	172.5	61.1	0.0
17.5°	892.3	658.0	462.2	305.3	176.3	62.0	0.0
15°	911.5	671.4	471.1	310.1	179.6	62.8	0.0
12.5°	928.0	682.7	479.0	314.2	182.4	63.5	0.0
10°	941.7	691.8	485.6	317.4	184.8	64.0	0.0
7.5°	952.5	698.7	491.1	319.8	186.8	64.4	0.0
5°	960.3	703.6	495.3	321.4	188.3	64.8	0.0
2.5°	965.2	706.4	498.1	322.2	189.3	64.9	0.0
0°	967.0	707.1	499.7	322.3	189.9	65.0	0.0
-2.5°	965.2	706.4	498.1	322.2	189.3	64.9	0.0
-5°	960.3	703.6	495.3	321.4	188.3	64.8	0.0
-7.5°	952.5	698.7	491.1	319.8	186.8	64.4	0.0
-10°	941.7	691.8	485.6	317.4	184.8	64.0	0.0
-12.5°	928.0	682.7	479.0	314.2	182.4	63.5	0.0
-15°	911.5	671.4	471.1	310.1	179.6	62.8	0.0
-17.5°	892.3	658.0	462.2	305.3	176.3	62.0	0.0
-20°	866.4	642.5	452.1	299.6	172.5	61.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	832.2	624.8	441.0	293.1	168.4	60.0	0.0
-25°	796.1	601.5	428.9	285.8	163.9	58.9	0.0
-27.5°	758.3	575.5	415.9	277.7	158.9	57.7	0.0
-30°	719.1	548.3	401.7	268.8	153.6	56.3	0.0
-32.5°	678.5	520.1	384.7	259.1	147.9	54.8	0.0
-35°	640.4	491.0	366.8	248.6	141.9	53.2	0.0
-37.5°	603.3	463.2	348.2	237.3	135.5	51.6	0.0
-40°	565.7	438.7	328.8	225.3	128.8	49.8	0.0
-42.5°	527.5	413.4	309.8	212.4	121.8	47.9	0.0
-45°	489.0	387.4	291.3	198.6	114.4	46.0	0.0
-47.5°	450.2	360.7	272.3	184.3	106.8	43.9	0.0
-50°	416.6	333.4	252.8	171.6	98.9	41.8	0.0
-52.5°	383.5	305.5	233.0	159.2	90.8	39.6	0.0
-55°	349.8	280.1	212.8	146.5	82.4	37.3	0.0
-57.5°	315.7	254.9	192.2	133.6	73.7	34.9	0.0
-60°	281.7	229.4	171.4	120.3	64.9	32.5	0.0
-62.5°	251.8	203.7	153.8	106.8	60.0	30.0	0.0
-65°	221.7	177.7	136.0	93.1	54.9	27.5	0.0
-67.5°	191.5	153.6	117.9	79.2	49.7	24.9	0.0
-70°	161.1	131.4	99.6	65.1	44.4	22.2	0.0
-72.5°	134.6	109.0	81.1	56.1	39.0	19.5	0.0
-75°	108.4	86.5	62.5	48.2	33.6	16.8	0.0
-77.5°	82.2	63.9	50.9	40.2	28.1	14.1	0.0
-80°	55.9	48.1	40.7	32.2	22.5	11.3	0.0
-82.5°	40.8	36.1	30.6	24.2	16.9	8.5	0.0
-85°	27.2	24.1	20.4	16.1	11.3	5.7	0.0
-87.5°	13.6	12.0	10.2	8.1	5.7	2.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)