

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645443 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645443 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3E-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17310.3 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 7H x 7V
Max Intensity: 7382.4 candela
Max Intensity Angle: 0°H x -20°V

Beam Angle (50%): 105.6°H x 93.7°V
Beam Lumens: 13532.2 lumens
Beam Efficiency: 78.2%

Field Angle (10%): 144°H x 131.2°V
Field Lumens: 16966.5 lumens
Field Efficiency: 98.0%

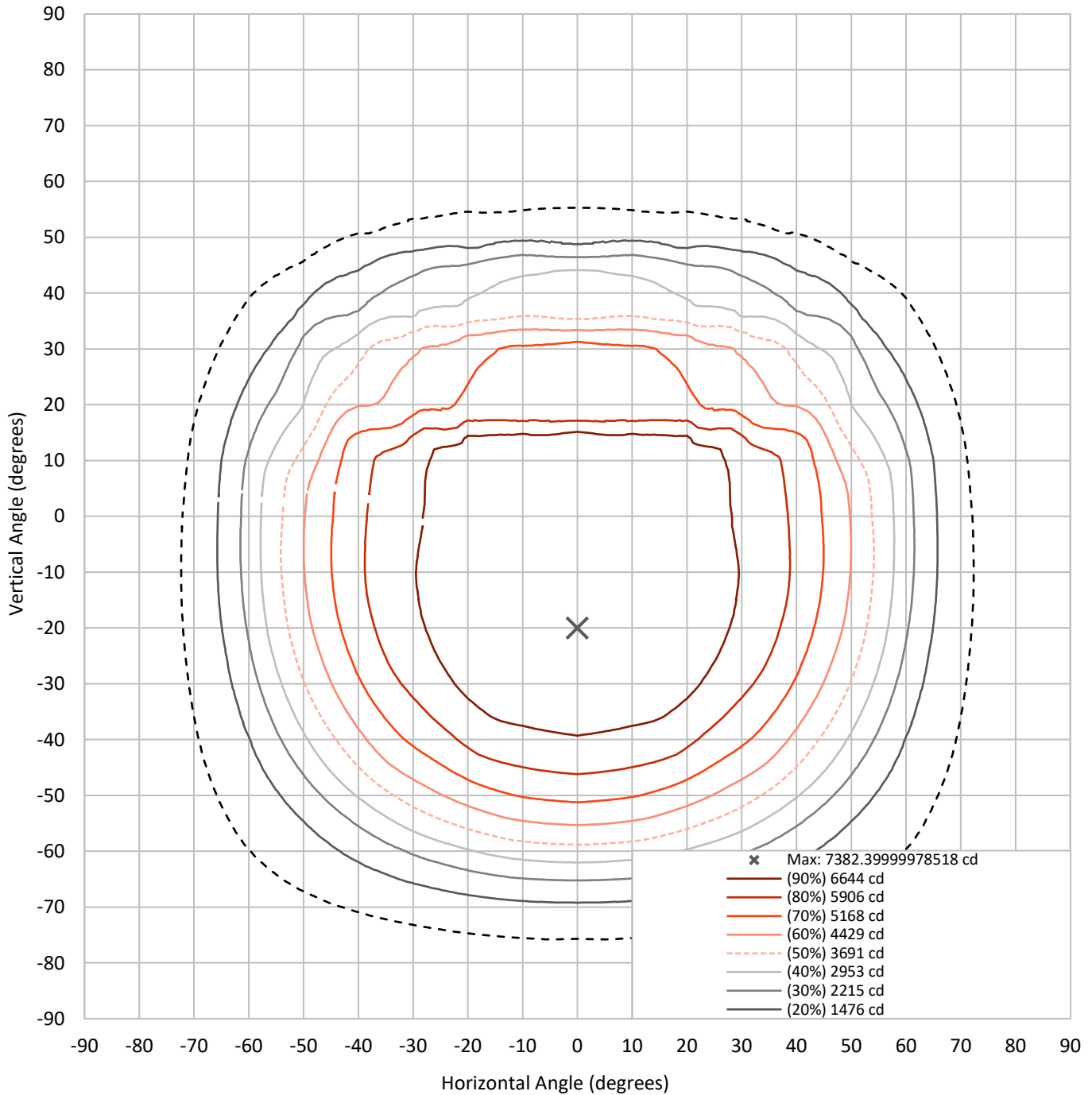
Input Watts (W): 185.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT





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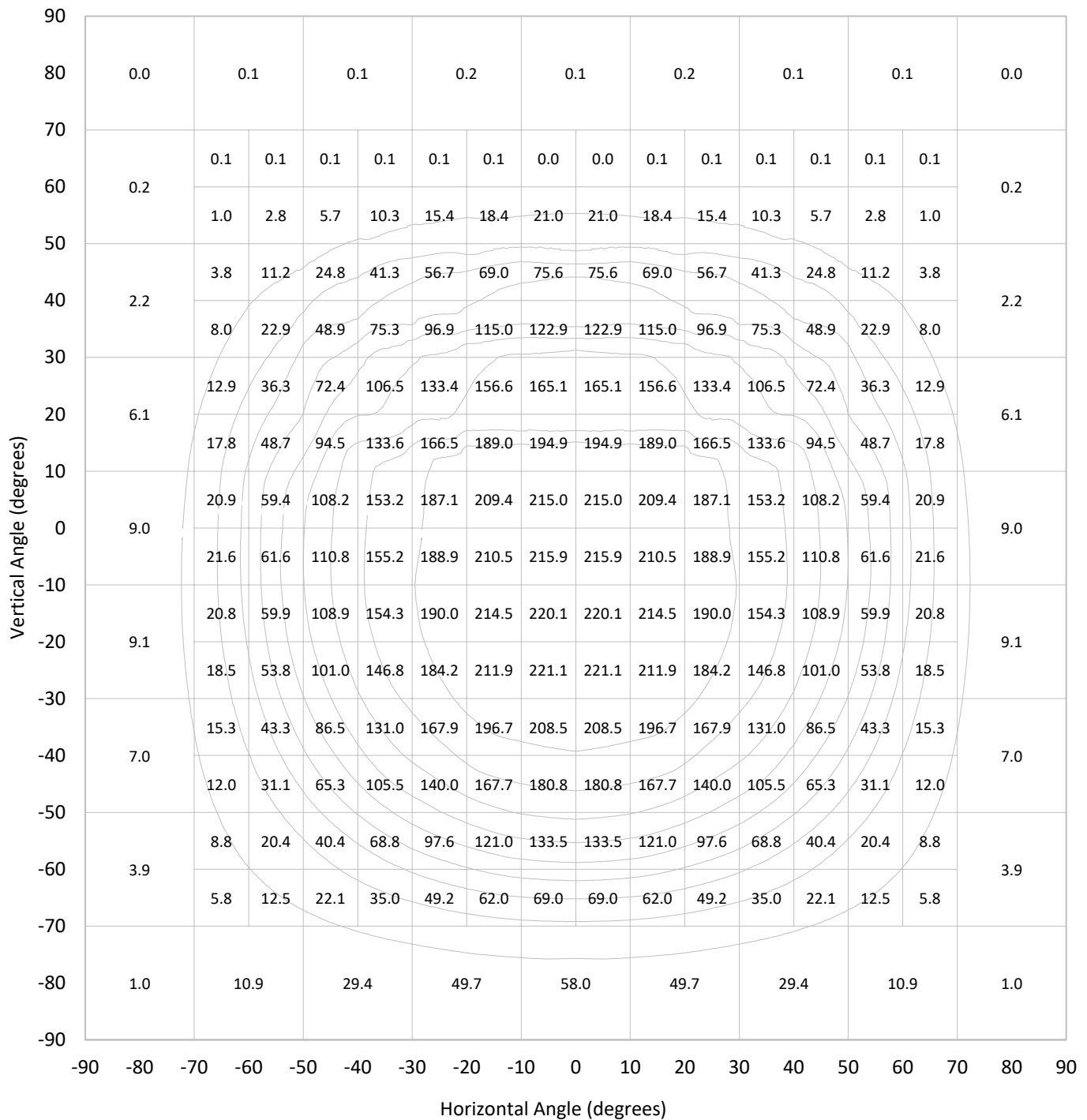
Iso-Candela Plot





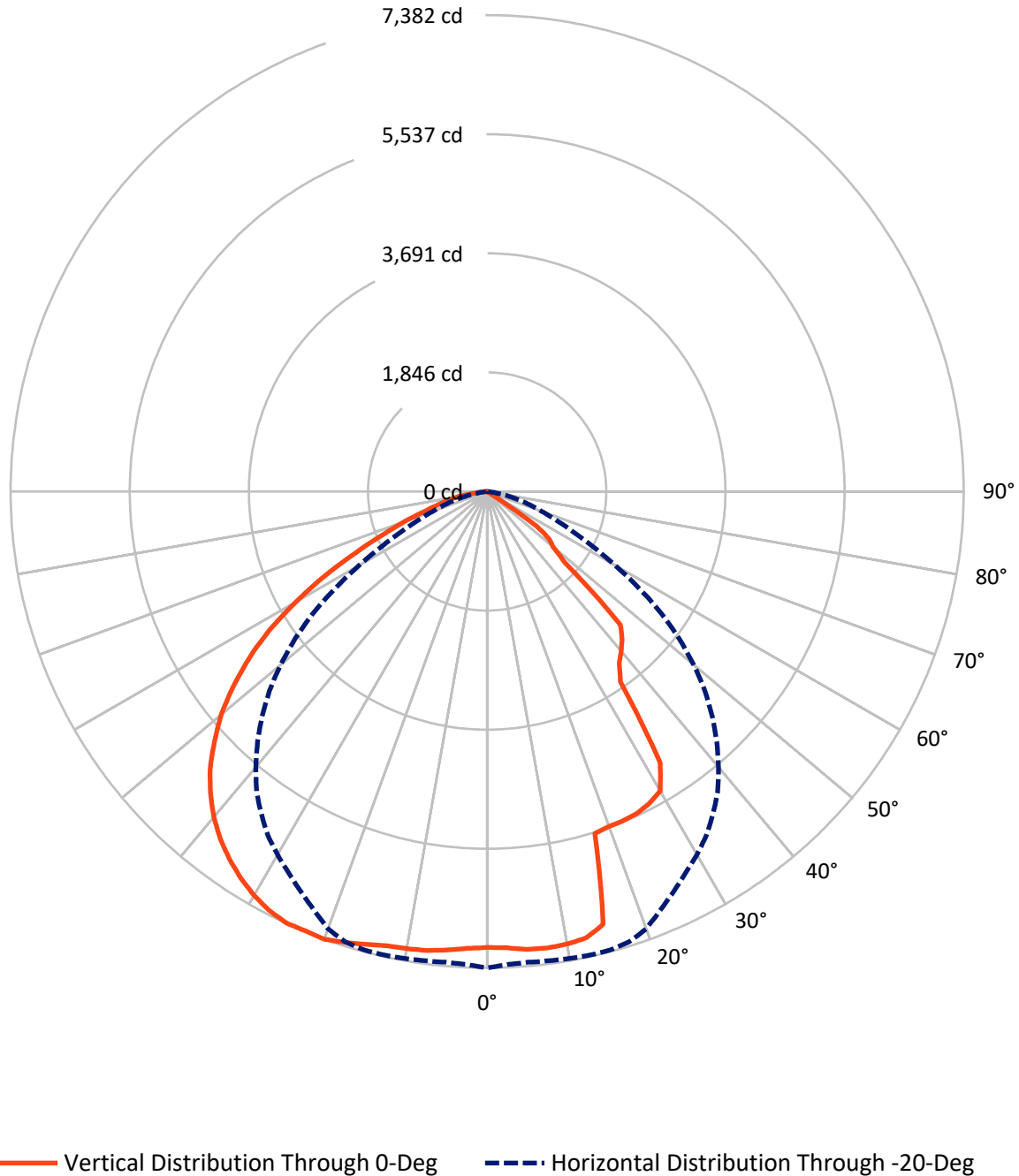
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Lumen Table



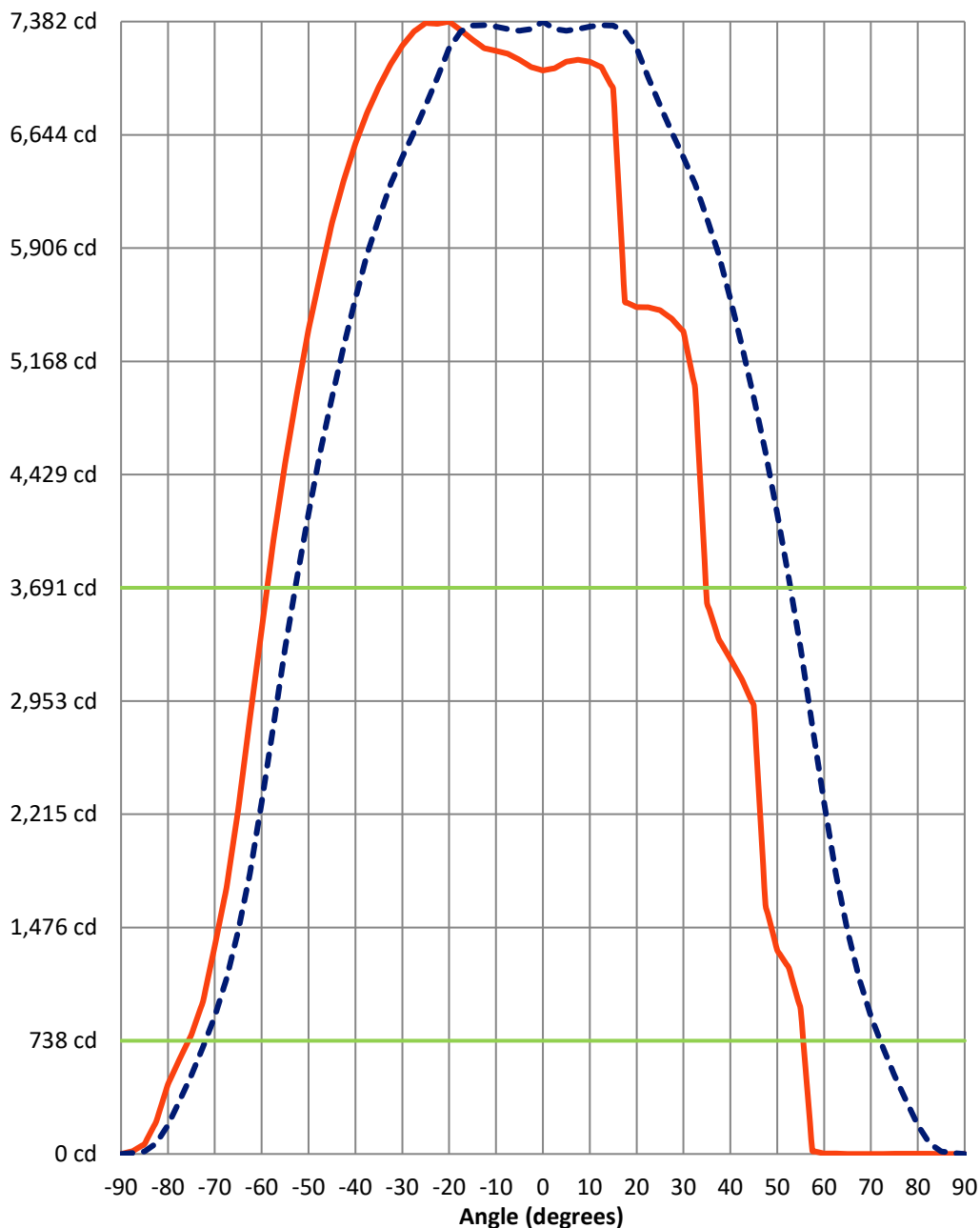
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CATALOG NUMBER: GFLD-SA3E-730-U-LAM-VSR-XX

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 13532.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 16966.5
 Efficiency: 98.0%

Spill:
 Lumens: 343.8
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7
85°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.7	1.6	1.5	1.4
82.5°	0.0	0.5	0.8	1.2	1.7	2.1	2.5	2.5	2.4	2.0	1.6
80°	0.0	0.7	1.1	1.7	2.2	2.8	3.2	2.8	2.4	2.0	1.7
77.5°	0.0	0.9	1.4	2.1	2.8	3.2	3.2	2.9	2.5	2.1	1.7
75°	0.0	1.0	1.7	2.5	3.2	3.3	3.2	2.9	2.5	2.1	1.7
72.5°	0.0	1.2	2.0	2.9	3.4	3.4	3.3	2.9	2.5	2.2	1.8
70°	0.0	1.4	2.2	3.2	3.5	3.5	3.4	3.0	2.6	2.2	2.5
67.5°	0.0	1.5	2.5	3.4	3.7	3.7	3.7	3.0	2.7	3.5	3.6
65°	0.0	1.7	2.8	3.5	3.8	4.2	4.3	3.0	4.2	5.0	6.2
62.5°	0.0	1.9	3.1	3.7	4.0	5.2	5.0	4.3	5.9	8.7	13.8
60°	0.0	2.0	3.4	3.8	4.1	6.3	5.9	6.0	7.6	21.9	23.9
57.5°	0.0	2.2	3.6	4.0	5.3	7.6	10.8	8.4	21.5	37.2	43.2
55°	0.0	2.3	3.7	4.2	6.7	9.0	17.2	13.6	39.8	57.4	69.9
52.5°	0.0	2.5	3.9	4.3	8.0	11.5	24.7	34.6	59.7	90.1	101.4
50°	0.0	2.7	4.1	4.5	9.5	19.6	33.3	58.4	85.4	126.4	158.4
47.5°	0.0	2.8	4.3	4.9	11.0	28.3	44.8	83.3	123.0	166.4	216.7
45°	0.0	2.9	4.5	6.1	12.6	37.6	67.5	109.4	165.1	216.9	273.2
42.5°	0.0	3.1	4.7	7.3	14.2	47.5	90.8	142.5	207.9	266.1	338.5
40°	0.0	3.2	4.9	8.8	19.1	58.1	114.6	180.2	252.0	314.3	408.3
37.5°	0.0	3.4	5.1	10.7	27.3	69.1	138.8	218.0	298.3	372.2	481.2
35°	0.0	3.5	5.3	12.8	35.7	85.9	163.5	255.7	345.3	443.4	567.4
32.5°	0.0	3.6	5.5	15.1	44.1	105.3	190.2	293.3	392.9	515.0	672.2
30°	0.0	3.7	5.7	17.6	52.7	124.6	220.7	331.3	440.9	586.7	772.7
27.5°	0.0	3.9	5.9	20.3	63.2	143.6	250.7	370.8	493.7	658.4	868.8
25°	0.0	4.0	6.1	23.1	74.0	162.4	279.9	409.9	553.2	736.6	960.4
22.5°	0.0	4.1	6.3	26.0	84.7	181.5	308.3	448.4	611.6	814.8	1053.1
20°	0.0	4.2	6.5	29.0	95.4	202.0	335.7	486.0	668.5	888.6	1143.6
17.5°	0.0	4.3	6.7	32.1	105.9	221.8	362.9	522.6	723.5	957.8	1231.2
15°	0.0	4.4	6.9	35.2	116.1	240.9	388.9	556.6	776.4	1022.4	1315.4
12.5°	0.0	4.4	7.1	38.3	126.0	259.1	413.3	587.0	818.5	1082.2	1395.5
10°	0.0	4.5	7.3	41.3	135.4	276.3	435.9	614.9	850.0	1118.1	1460.8
7.5°	0.0	4.6	7.4	44.2	144.3	292.4	456.7	640.4	876.8	1145.9	1498.9
5°	0.0	4.6	7.6	47.0	152.7	307.2	475.6	663.3	899.1	1168.3	1529.8
2.5°	0.0	4.7	7.8	49.6	160.3	320.6	492.6	683.7	917.3	1185.6	1553.5
0°	0.0	4.7	7.9	52.0	167.1	332.6	507.5	701.4	931.5	1197.8	1569.8
-2.5°	0.0	5.0	9.1	55.4	173.5	340.2	514.9	711.7	936.6	1213.3	1580.4
-5°	0.0	5.2	10.3	58.5	178.9	346.1	520.3	719.3	938.4	1223.3	1583.8
-7.5°	0.0	5.5	11.5	61.3	183.3	350.5	523.8	724.0	937.1	1227.4	1580.3
-10°	0.0	5.7	12.7	63.7	186.6	353.2	525.4	725.8	933.0	1225.0	1570.2
-12.5°	0.0	5.9	13.7	65.8	188.8	354.3	525.1	724.5	926.6	1215.1	1553.0
-15°	0.0	6.1	14.8	67.4	189.9	353.8	523.0	720.3	919.2	1195.8	1528.0
-17.5°	0.0	6.3	15.7	68.6	189.8	351.7	519.2	711.6	910.3	1171.8	1495.4
-20°	0.0	6.4	16.6	69.3	188.4	347.9	513.3	699.2	897.6	1143.1	1455.3



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.6	17.4	69.5	185.7	342.6	504.7	684.3	881.0	1110.0	1407.6
-25°	0.0	6.7	18.1	69.1	181.8	334.4	494.1	667.0	860.5	1072.8	1352.5
-27.5°	0.0	6.8	18.7	68.3	176.5	324.1	481.6	647.4	836.1	1036.7	1303.6
-30°	0.0	6.8	19.1	66.9	169.9	312.5	467.0	625.5	809.4	1006.2	1251.4
-32.5°	0.0	6.8	19.5	64.9	162.2	299.4	450.6	605.2	781.1	971.0	1195.6
-35°	0.0	6.8	19.8	62.4	153.6	285.0	432.8	583.9	750.6	931.0	1136.4
-37.5°	0.0	6.8	19.9	59.3	144.1	270.5	413.6	560.3	717.8	886.4	1077.8
-40°	0.0	6.7	19.9	55.6	133.8	257.3	393.0	534.5	682.9	844.2	1020.1
-42.5°	0.0	6.6	19.8	51.6	126.0	243.3	370.9	506.6	649.2	799.7	957.9
-45°	0.0	6.5	19.6	47.6	120.7	228.3	347.5	477.7	614.7	752.2	893.5
-47.5°	0.0	6.3	19.2	43.0	114.4	212.5	322.7	448.7	577.7	702.3	837.7
-50°	0.0	6.1	18.7	41.4	107.1	195.8	302.0	418.4	536.9	656.6	779.3
-52.5°	0.0	5.9	18.1	40.6	99.0	178.3	281.3	386.7	497.9	609.5	719.4
-55°	0.0	5.7	17.4	39.3	89.9	165.1	259.7	354.6	458.7	561.1	666.3
-57.5°	0.0	5.4	16.6	37.6	80.0	151.7	237.4	329.1	418.2	514.7	611.9
-60°	0.0	5.1	15.6	35.5	69.6	137.0	214.7	300.9	377.6	467.9	557.6
-62.5°	0.0	4.7	14.7	33.0	64.7	121.2	194.0	270.2	340.1	419.8	504.5
-65°	0.0	4.4	13.6	30.1	59.0	104.3	171.8	238.4	300.3	371.4	450.1
-67.5°	0.0	4.0	12.5	26.8	52.7	90.2	148.2	206.8	258.4	321.0	391.3
-70°	0.0	3.6	11.3	23.3	45.9	78.9	123.3	174.5	220.9	268.2	328.7
-72.5°	0.0	3.2	10.0	20.5	38.5	66.8	104.3	141.5	182.7	224.6	267.0
-75°	0.0	2.8	8.7	17.8	30.6	54.0	85.3	114.0	143.8	180.3	217.3
-77.5°	0.0	2.3	7.4	15.0	25.3	40.5	65.3	88.1	111.9	137.6	166.8
-80°	0.0	1.9	5.9	12.1	20.4	30.9	44.6	61.8	80.1	100.0	121.4
-82.5°	0.0	1.4	4.5	9.2	15.4	23.3	32.7	39.7	47.9	61.9	77.0
-85°	0.0	1.0	3.0	6.1	10.4	15.6	22.0	26.5	31.2	36.1	41.2
-87.5°	0.0	0.5	1.5	3.1	5.2	7.8	11.0	13.3	15.6	18.1	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



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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°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
85°	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.9	2.1	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	2.5	2.6	2.3	1.9	1.6	1.7	1.8	1.8	1.6	1.6	1.6
67.5°	3.1	2.7	2.3	2.2	2.2	2.4	2.4	2.0	1.6	1.6	1.7
65°	3.2	2.8	4.0	4.5	3.3	2.8	2.4	2.1	2.2	2.3	2.3
62.5°	4.7	5.9	7.6	13.4	10.0	2.9	5.2	6.2	4.5	3.8	4.0
60°	15.4	10.5	31.1	44.5	27.8	10.2	12.4	41.2	35.7	6.6	22.3
57.5°	32.4	44.4	81.8	83.3	57.6	39.7	115.6	133.5	101.1	59.0	90.2
55°	71.3	109.5	135.6	125.5	137.1	207.6	246.7	221.7	186.6	287.1	366.8
52.5°	139.2	178.2	187.0	214.8	307.5	353.2	338.5	362.0	469.5	583.1	607.7
50°	205.5	237.4	262.3	379.2	451.8	456.4	490.0	596.5	739.8	809.3	792.5
47.5°	269.5	302.6	418.5	530.9	563.5	608.1	692.2	897.7	1049.5	1052.5	1035.4
45°	337.3	425.6	573.5	646.9	699.7	786.0	989.3	1272.7	1287.4	1328.6	1581.9
42.5°	409.8	564.5	693.6	769.8	855.2	1016.2	1287.6	1473.5	1537.4	1717.7	1921.3
40°	527.2	698.7	811.5	908.9	1018.7	1253.7	1550.8	1725.0	1776.9	1933.0	2086.1
37.5°	646.3	810.8	937.1	1054.7	1206.8	1524.0	1867.8	2011.4	2037.7	2066.2	2405.5
35°	761.0	925.7	1076.9	1230.7	1417.3	1873.9	2174.3	2309.4	2305.2	2497.9	2853.2
32.5°	868.3	1043.1	1221.6	1427.4	1735.2	2203.0	2503.5	2584.4	2707.1	2987.5	3472.4
30°	975.3	1174.1	1379.1	1624.2	2014.2	2419.6	2762.7	2892.9	3103.2	3423.1	3776.0
27.5°	1085.7	1308.5	1556.3	1843.5	2234.4	2607.0	2900.1	3211.1	3415.4	3702.0	3953.2
25°	1195.5	1450.7	1731.3	2035.3	2391.7	2739.1	3042.3	3401.4	3620.7	3851.8	4086.1
22.5°	1310.7	1594.9	1911.8	2187.2	2524.4	2851.4	3212.3	3601.8	3886.9	4033.9	4191.0
20°	1431.2	1750.9	2088.9	2394.0	2655.4	2955.6	3383.0	3856.2	4224.3	4389.6	4411.1
17.5°	1549.8	1902.1	2265.5	2595.8	2877.7	3145.0	3562.2	4161.0	4618.8	4772.4	4840.7
15°	1665.6	2047.4	2441.1	2792.2	3101.7	3428.4	3873.9	4482.9	5006.3	5176.3	5283.8
12.5°	1777.3	2186.1	2613.8	2982.0	3325.8	3692.3	4157.1	4714.5	5192.2	5521.1	5718.4
10°	1883.8	2317.0	2781.5	3164.3	3547.3	3937.0	4391.3	4887.1	5276.0	5593.2	5873.2
7.5°	1937.5	2402.6	2925.6	3337.7	3763.3	4163.2	4583.2	5008.7	5336.2	5647.4	5918.2
5°	1974.0	2437.7	2970.6	3398.1	3878.0	4314.1	4721.8	5088.6	5375.6	5684.0	5948.5
2.5°	2000.0	2460.5	3001.0	3431.2	3921.1	4360.5	4761.8	5115.3	5408.0	5710.2	5981.1
0°	2015.8	2471.3	3016.6	3451.6	3948.1	4391.0	4785.0	5125.4	5429.6	5722.8	6014.4
-2.5°	2024.7	2504.4	3027.0	3503.9	3974.2	4417.3	4817.5	5149.8	5467.7	5746.6	6038.9
-5°	2023.6	2524.1	3024.2	3539.1	3986.7	4427.5	4833.7	5160.8	5488.3	5764.5	6048.9
-7.5°	2012.6	2528.7	3010.6	3550.2	3987.2	4424.1	4826.6	5166.1	5488.0	5780.8	6049.9
-10°	1993.0	2510.8	2998.0	3521.7	3971.9	4406.1	4804.8	5154.5	5475.1	5777.5	6044.6
-12.5°	1970.0	2474.0	2971.8	3480.7	3940.8	4372.6	4771.7	5125.0	5451.1	5752.8	6032.6
-15°	1935.3	2424.9	2928.6	3428.6	3893.5	4323.8	4728.8	5076.8	5414.1	5709.6	5996.8
-17.5°	1888.7	2364.2	2867.8	3366.7	3829.8	4260.2	4673.7	5013.2	5349.0	5654.2	5931.4
-20°	1830.0	2292.2	2788.9	3296.5	3748.9	4174.8	4575.3	4930.9	5264.5	5574.9	5866.2

Classified

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Peachtree City, GA 30269

Scaled Data Report



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CATALOG NUMBER: GFLD-SA3E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1759.0	2209.5	2693.8	3201.7	3648.0	4069.1	4464.8	4826.1	5171.7	5472.0	5782.4
-25°	1687.9	2122.0	2588.8	3070.4	3530.7	3950.0	4346.9	4698.9	5052.2	5364.5	5659.3
-27.5°	1619.8	2020.6	2466.9	2925.9	3397.8	3815.2	4208.5	4560.7	4903.7	5245.2	5529.0
-30°	1543.4	1903.2	2333.2	2771.6	3231.7	3656.6	4052.9	4418.4	4744.7	5081.9	5386.7
-32.5°	1459.1	1778.7	2192.0	2613.8	3047.6	3481.9	3874.5	4237.5	4577.1	4896.0	5215.9
-35°	1376.6	1678.2	2042.4	2444.3	2852.5	3278.6	3671.5	4031.1	4383.4	4699.3	5005.1
-37.5°	1302.4	1569.3	1883.4	2267.3	2657.4	3060.4	3460.0	3808.1	4143.4	4490.8	4788.9
-40°	1222.2	1452.4	1745.7	2085.1	2452.7	2836.0	3218.5	3578.6	3893.9	4237.1	4565.0
-42.5°	1138.1	1357.2	1609.8	1892.1	2239.2	2600.5	2969.8	3322.0	3649.4	3973.3	4298.2
-45°	1064.5	1256.4	1471.6	1729.5	2012.1	2351.9	2701.6	3052.7	3366.8	3675.5	3996.4
-47.5°	986.3	1155.1	1354.1	1560.1	1805.7	2089.9	2418.7	2742.5	3064.0	3357.7	3641.7
-50°	908.3	1063.9	1227.4	1412.8	1615.6	1845.9	2119.0	2420.0	2713.8	3015.2	3296.5
-52.5°	841.1	968.0	1115.7	1270.5	1444.0	1634.6	1853.4	2100.7	2367.8	2623.7	2904.3
-55°	771.3	885.8	1005.0	1141.3	1285.7	1446.5	1625.9	1833.7	2037.6	2274.2	2503.2
-57.5°	707.8	804.3	905.9	1018.5	1143.9	1272.6	1429.4	1591.1	1776.0	1959.9	2141.4
-60°	647.8	726.7	812.9	908.2	1009.0	1123.6	1240.6	1379.4	1528.4	1675.2	1829.1
-62.5°	587.4	653.7	724.0	803.1	891.0	977.6	1077.5	1184.5	1294.1	1418.6	1539.9
-65°	525.3	578.9	638.5	704.1	774.2	848.0	924.7	1004.0	1097.2	1188.4	1276.6
-67.5°	459.3	505.2	553.4	605.1	663.9	721.8	779.6	846.5	915.2	982.6	1052.5
-70°	386.1	429.4	469.6	511.5	555.2	600.6	650.0	699.0	747.4	798.0	854.1
-72.5°	311.7	351.5	386.9	417.9	453.8	491.5	527.6	562.0	598.5	636.9	674.9
-75°	248.6	274.9	306.5	335.4	363.9	390.5	414.3	443.5	474.0	501.9	524.8
-77.5°	194.0	217.9	239.5	258.9	281.6	308.2	331.5	351.4	370.7	391.8	414.2
-80°	141.1	161.0	180.7	198.6	211.7	226.7	244.5	264.9	282.5	296.8	309.9
-82.5°	91.1	105.5	120.1	135.0	141.1	145.2	149.1	156.2	167.1	177.9	188.2
-85°	45.4	49.6	58.5	67.6	70.8	73.0	74.6	75.4	79.1	82.5	85.5
-87.5°	22.7	24.8	26.9	28.9	27.8	26.3	24.5	22.3	21.8	21.1	20.3
-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°	1.3	1.3	1.4	1.4	1.5	1.1	0.8	0.4	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.2	0.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.0
65°	2.2	2.2	2.3	2.2	2.0	1.9	2.0	1.9	1.7	1.4	1.0
62.5°	4.0	4.5	3.5	3.5	3.4	3.4	3.2	3.0	2.8	2.7	2.8
60°	24.7	14.6	8.5	10.0	8.9	5.9	7.6	8.9	9.0	8.2	7.3
57.5°	137.0	102.3	75.8	180.9	181.4	86.6	104.3	164.0	135.0	44.3	41.2
55°	381.1	455.8	599.9	569.8	579.1	666.0	727.3	643.8	631.2	672.6	777.0
52.5°	684.6	755.9	804.4	849.7	904.9	964.3	1025.4	1064.3	1100.6	1139.3	1162.4
50°	874.4	974.7	1043.7	1018.3	1161.1	1219.5	1160.2	1213.3	1277.9	1295.7	1304.0
47.5°	1291.0	1438.2	1467.4	1562.3	1647.4	1645.6	1573.3	1577.5	1770.1	1940.0	2023.4
45°	1855.4	1860.4	1952.9	2120.4	2240.1	2202.4	2303.4	2533.1	2609.6	2683.5	2744.1
42.5°	2075.2	2166.4	2314.0	2462.1	2551.4	2628.8	2703.6	2788.0	2887.3	2967.7	3032.0
40°	2288.1	2361.5	2512.8	2632.1	2706.0	2778.3	2865.4	2958.9	3049.7	3120.5	3168.7
37.5°	2615.8	2672.7	2709.6	2820.3	2960.1	2895.6	3060.9	3179.5	3233.6	3305.5	3311.9
35°	3111.5	3073.7	3024.7	3465.3	3491.7	3342.8	3497.5	3681.3	3584.4	3786.2	3894.6
32.5°	3551.1	3545.4	3930.0	4161.6	4028.3	4137.1	4493.6	4477.8	4715.4	4825.6	4794.2
30°	3965.1	4106.3	4328.8	4501.3	4524.4	4695.9	4854.3	4993.0	5136.4	5264.9	5273.8
27.5°	4175.3	4359.6	4510.6	4610.4	4721.8	4866.2	5009.9	5166.1	5288.0	5368.6	5388.4
25°	4302.4	4490.7	4605.0	4712.5	4835.5	4960.1	5121.0	5291.0	5389.0	5438.7	5454.6
22.5°	4414.5	4583.7	4706.7	4793.8	4926.2	5060.2	5210.1	5354.1	5460.6	5482.3	5490.3
20°	4522.4	4685.1	4890.3	5018.7	5012.3	5163.2	5307.7	5422.2	5511.0	5510.5	5512.6
17.5°	4834.6	4892.6	5265.1	5548.0	5408.0	5334.1	5731.5	5739.0	5762.6	5715.7	5614.0
15°	5296.8	5402.4	5860.0	6166.6	6070.1	6065.1	6639.1	6496.7	6619.2	6587.2	6725.0
12.5°	5786.3	5911.4	6253.4	6554.4	6697.9	6733.2	6924.9	7104.6	7141.5	7126.9	7099.8
10°	6119.8	6298.0	6435.4	6618.1	6762.8	6910.4	7021.5	7150.5	7192.7	7168.3	7133.8
7.5°	6163.2	6339.4	6500.6	6661.0	6798.8	6917.8	7033.0	7138.0	7181.0	7166.8	7143.1
5°	6190.8	6350.4	6506.8	6669.4	6801.2	6911.4	7026.3	7132.6	7158.0	7140.9	7117.8
2.5°	6207.8	6355.6	6506.3	6668.2	6787.9	6892.8	7009.1	7122.6	7122.4	7114.9	7101.4
0°	6216.1	6364.3	6539.2	6685.8	6819.7	6919.0	7034.1	7144.4	7136.5	7116.1	7092.4
-2.5°	6233.8	6384.0	6562.5	6683.9	6835.0	6926.0	7044.8	7140.4	7136.7	7126.6	7114.9
-5°	6249.6	6418.4	6585.5	6713.2	6864.6	6983.6	7101.7	7176.4	7180.4	7166.4	7146.7
-7.5°	6259.2	6446.4	6605.7	6734.1	6880.9	7019.2	7139.1	7217.4	7219.2	7200.5	7177.0
-10°	6256.0	6453.6	6617.6	6750.2	6900.6	7037.2	7162.5	7261.9	7258.7	7240.9	7220.8
-12.5°	6244.2	6441.6	6610.0	6743.0	6913.7	7054.3	7195.3	7294.2	7299.5	7286.2	7264.4
-15°	6218.3	6422.0	6585.8	6731.1	6898.4	7062.8	7207.7	7316.7	7336.2	7325.3	7308.2
-17.5°	6166.9	6381.9	6555.7	6712.2	6872.8	7048.0	7212.7	7332.0	7358.6	7354.3	7340.0
-20°	6099.5	6321.3	6497.7	6661.8	6836.6	7017.0	7208.8	7317.8	7356.4	7358.8	7349.2



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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°	6023.8	6241.0	6428.1	6589.4	6778.9	6961.6	7135.2	7262.9	7327.7	7339.8	7340.6
-25°	5933.0	6156.2	6342.1	6513.8	6690.2	6878.8	7054.2	7196.7	7262.5	7293.9	7303.7
-27.5°	5804.7	6035.4	6218.4	6399.9	6579.2	6774.1	6958.5	7113.5	7166.9	7210.1	7227.4
-30°	5654.5	5882.6	6069.2	6235.1	6440.3	6638.9	6829.3	6964.5	7045.1	7094.5	7121.5
-32.5°	5481.7	5712.0	5907.8	6081.1	6276.1	6474.7	6653.8	6796.4	6907.6	6964.6	6993.5
-35°	5294.4	5529.5	5734.5	5917.0	6100.6	6290.0	6475.5	6624.7	6751.3	6800.3	6836.5
-37.5°	5068.4	5327.8	5538.0	5726.2	5900.6	6078.7	6271.8	6442.4	6565.5	6613.0	6651.1
-40°	4836.7	5087.4	5299.4	5500.1	5672.6	5867.0	6053.1	6231.9	6338.6	6394.0	6437.2
-42.5°	4592.1	4818.6	5020.2	5215.2	5407.2	5607.3	5793.3	5979.1	6071.4	6138.2	6191.1
-45°	4309.8	4520.5	4716.4	4898.9	5096.8	5293.6	5479.6	5643.8	5753.7	5840.6	5908.2
-47.5°	3933.3	4190.0	4386.7	4560.3	4756.5	4946.3	5126.7	5281.0	5401.5	5503.2	5581.7
-50°	3550.9	3797.3	4019.1	4214.1	4396.3	4571.8	4743.4	4894.4	5021.9	5132.1	5211.7
-52.5°	3174.4	3405.2	3625.4	3826.7	4001.7	4167.4	4324.5	4476.4	4610.8	4728.7	4805.6
-55°	2748.9	2988.0	3205.8	3393.5	3568.4	3732.2	3887.3	4031.3	4163.7	4283.7	4357.5
-57.5°	2349.8	2559.6	2762.1	2935.4	3100.5	3256.5	3403.5	3541.5	3668.8	3781.8	3852.9
-60°	1982.9	2135.9	2310.2	2470.2	2616.6	2749.3	2886.5	3015.1	3132.1	3231.4	3297.7
-62.5°	1658.7	1785.4	1911.3	2032.9	2151.7	2270.9	2385.8	2492.4	2590.2	2671.6	2729.6
-65°	1369.7	1471.6	1562.6	1648.8	1731.0	1825.1	1912.4	1994.6	2070.6	2133.0	2177.2
-67.5°	1127.8	1199.4	1262.4	1321.6	1386.4	1452.9	1515.2	1569.4	1615.9	1652.9	1682.1
-70°	909.5	962.2	1009.6	1056.8	1104.2	1147.4	1188.6	1228.6	1266.5	1297.4	1320.6
-72.5°	712.3	748.3	780.6	816.9	851.0	883.8	912.3	935.4	953.3	970.7	985.9
-75°	543.0	570.1	606.5	637.3	662.8	685.3	705.9	724.3	740.4	754.7	767.3
-77.5°	436.8	459.7	482.9	505.4	527.1	543.2	558.3	573.2	588.0	600.7	611.8
-80°	323.7	340.8	358.7	376.8	394.7	403.6	410.8	417.4	423.2	430.8	437.8
-82.5°	197.9	207.6	217.6	227.7	237.8	240.3	241.2	240.9	239.6	236.9	232.7
-85°	88.0	88.6	88.3	87.3	85.7	82.2	77.9	72.9	67.4	66.5	65.5
-87.5°	19.3	18.9	18.4	17.8	17.1	17.1	17.0	16.9	16.7	17.3	17.8
-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: P645443 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.5	1.5
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	0.9	0.0	0.9	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.4	1.6	1.6
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.9
62.5°	2.9	3.1	3.2	3.2	3.2	3.1	2.9	2.8	2.7	2.8	3.0
60°	5.7	3.8	3.2	3.2	3.2	3.8	5.7	7.3	8.2	9.0	8.9
57.5°	34.8	25.9	22.1	20.5	22.1	25.9	34.8	41.2	44.3	135.0	164.0
55°	851.7	895.1	927.5	942.5	927.5	895.1	851.7	777.0	672.6	631.2	643.8
52.5°	1182.6	1201.5	1212.4	1212.0	1212.4	1201.5	1182.6	1162.4	1139.3	1100.6	1064.3
50°	1318.2	1327.3	1330.6	1328.6	1330.6	1327.3	1318.2	1304.0	1295.7	1277.9	1213.3
47.5°	1947.1	1778.6	1654.7	1625.0	1654.7	1778.6	1947.1	2023.4	1940.0	1770.1	1577.5
45°	2773.1	2837.0	2900.7	2920.5	2900.7	2837.0	2773.1	2744.1	2683.5	2609.6	2533.1
42.5°	3059.2	3080.0	3091.8	3092.3	3091.8	3080.0	3059.2	3032.0	2967.7	2887.3	2788.0
40°	3195.7	3215.4	3226.8	3227.8	3226.8	3215.4	3195.7	3168.7	3120.5	3049.7	2958.9
37.5°	3319.7	3336.5	3347.5	3358.7	3347.5	3336.5	3319.7	3311.9	3305.5	3233.6	3179.5
35°	3880.0	3753.1	3570.6	3598.2	3570.6	3753.1	3880.0	3894.6	3786.2	3584.4	3681.3
32.5°	4843.4	4896.8	4930.0	4986.8	4930.0	4896.8	4843.4	4794.2	4825.6	4715.4	4477.8
30°	5287.9	5305.5	5332.2	5360.3	5332.2	5305.5	5287.9	5273.8	5264.9	5136.4	4993.0
27.5°	5398.8	5417.0	5433.3	5445.4	5433.3	5417.0	5398.8	5388.4	5368.6	5288.0	5166.1
25°	5456.9	5468.2	5485.4	5500.6	5485.4	5468.2	5456.9	5454.6	5438.7	5389.0	5291.0
22.5°	5485.7	5486.9	5500.3	5519.5	5500.3	5486.9	5485.7	5490.3	5482.3	5460.6	5354.1
20°	5505.4	5494.7	5508.7	5521.0	5508.7	5494.7	5505.4	5512.6	5510.5	5511.0	5422.2
17.5°	5757.4	5613.7	5554.6	5555.7	5554.6	5613.7	5757.4	5614.0	5715.7	5762.6	5739.0
15°	6570.3	6624.2	6831.0	6942.7	6831.0	6624.2	6570.3	6725.0	6587.2	6619.2	6496.7
12.5°	7094.8	7075.6	7051.0	7084.5	7051.0	7075.6	7094.8	7099.8	7126.9	7141.5	7104.6
10°	7119.1	7116.9	7073.1	7120.8	7073.1	7116.9	7119.1	7133.8	7168.3	7192.7	7150.5
7.5°	7104.2	7105.5	7086.9	7133.4	7086.9	7105.5	7104.2	7143.1	7166.8	7181.0	7138.0
5°	7114.1	7082.0	7094.2	7120.8	7094.2	7082.0	7114.1	7117.8	7140.9	7158.0	7132.6
2.5°	7086.5	7083.2	7059.6	7078.2	7059.6	7083.2	7086.5	7101.4	7114.9	7122.4	7122.6
0°	7065.6	7048.3	7048.3	7064.0	7048.3	7048.3	7065.6	7092.4	7116.1	7136.5	7144.4
-2.5°	7102.9	7099.2	7096.9	7086.1	7096.9	7099.2	7102.9	7114.9	7126.6	7136.7	7140.4
-5°	7133.5	7124.2	7098.4	7133.4	7098.4	7124.2	7133.5	7146.7	7166.4	7180.4	7176.4
-7.5°	7166.5	7142.6	7118.0	7172.8	7118.0	7142.6	7166.5	7177.0	7200.5	7219.2	7217.4
-10°	7196.6	7162.0	7138.2	7191.7	7138.2	7162.0	7196.6	7220.8	7240.9	7258.7	7261.9
-12.5°	7236.4	7196.0	7180.0	7209.0	7180.0	7196.0	7236.4	7264.4	7286.2	7299.5	7294.2
-15°	7278.9	7250.8	7247.1	7264.2	7247.1	7250.8	7278.9	7308.2	7325.3	7336.2	7316.7
-17.5°	7316.2	7296.5	7306.2	7325.7	7306.2	7296.5	7316.2	7340.0	7354.3	7358.6	7332.0
-20°	7333.9	7322.9	7333.8	7382.4	7333.8	7322.9	7333.9	7349.2	7358.8	7356.4	7317.8



REPORT NUMBER: P645443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7332.4	7333.0	7352.4	7368.2	7352.4	7333.0	7332.4	7340.6	7339.8	7327.7	7262.9
-25°	7304.4	7319.1	7341.3	7373.0	7341.3	7319.1	7304.4	7303.7	7293.9	7262.5	7196.7
-27.5°	7236.9	7261.4	7284.5	7317.8	7284.5	7261.4	7236.9	7227.4	7210.1	7166.9	7113.5
-30°	7139.4	7168.5	7189.1	7224.8	7189.1	7168.5	7139.4	7121.5	7094.5	7045.1	6964.5
-32.5°	7020.7	7053.6	7078.0	7103.4	7078.0	7053.6	7020.7	6993.5	6964.6	6907.6	6796.4
-35°	6872.2	6907.7	6933.7	6956.9	6933.7	6907.7	6872.2	6836.5	6800.3	6751.3	6624.7
-37.5°	6693.9	6732.2	6761.7	6788.2	6761.7	6732.2	6693.9	6651.1	6613.0	6565.5	6442.4
-40°	6486.1	6525.4	6556.9	6586.5	6556.9	6525.4	6486.1	6437.2	6394.0	6338.6	6231.9
-42.5°	6243.2	6282.9	6315.4	6345.3	6315.4	6282.9	6243.2	6191.1	6138.2	6071.4	5979.1
-45°	5962.7	6003.6	6038.0	6069.5	6038.0	6003.6	5962.7	5908.2	5840.6	5753.7	5643.8
-47.5°	5639.7	5683.3	5712.8	5727.5	5712.8	5683.3	5639.7	5581.7	5503.2	5401.5	5281.0
-50°	5269.4	5313.0	5348.4	5374.5	5348.4	5313.0	5269.4	5211.7	5132.1	5021.9	4894.4
-52.5°	4861.8	4903.2	4933.7	4952.1	4933.7	4903.2	4861.8	4805.6	4728.7	4610.8	4476.4
-55°	4415.5	4459.0	4487.8	4501.3	4487.8	4459.0	4415.5	4357.5	4283.7	4163.7	4031.3
-57.5°	3909.3	3950.6	3981.2	3998.5	3981.2	3950.6	3909.3	3852.9	3781.8	3668.8	3541.5
-60°	3349.3	3386.2	3409.4	3418.5	3409.4	3386.2	3349.3	3297.7	3231.4	3132.1	3015.1
-62.5°	2776.4	2811.4	2833.2	2841.7	2833.2	2811.4	2776.4	2729.6	2671.6	2590.2	2492.4
-65°	2210.1	2232.0	2244.1	2245.9	2244.1	2232.0	2210.1	2177.2	2133.0	2070.6	1994.6
-67.5°	1705.1	1721.8	1731.9	1735.3	1731.9	1721.8	1705.1	1682.1	1652.9	1615.9	1569.4
-70°	1337.9	1349.4	1355.9	1357.0	1355.9	1349.4	1337.9	1320.6	1297.4	1266.5	1228.6
-72.5°	997.5	1005.8	1002.9	996.1	1002.9	1005.8	997.5	985.9	970.7	953.3	935.4
-75°	778.2	787.2	783.4	777.0	783.4	787.2	778.2	767.3	754.7	740.4	724.3
-77.5°	621.6	629.9	625.8	619.4	625.8	629.9	621.6	611.8	600.7	588.0	573.2
-80°	443.9	448.7	452.2	453.9	452.2	448.7	443.9	437.8	430.8	423.2	417.4
-82.5°	227.2	220.5	216.3	211.2	216.3	220.5	227.2	232.7	236.9	239.6	240.9
-85°	64.2	62.7	63.7	64.6	63.7	62.7	64.2	65.5	66.5	67.4	72.9
-87.5°	18.3	18.8	18.9	18.9	18.9	18.8	18.3	17.8	17.3	16.7	16.9
-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: P645443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-U-LAM-VSR-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°	0.8	1.1	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
85°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	1.6	2.0
65°	2.0	1.9	2.0	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.1
62.5°	3.2	3.4	3.4	3.5	3.5	4.5	4.0	4.0	3.8	4.5	6.2
60°	7.6	5.9	8.9	10.0	8.5	14.6	24.7	22.3	6.6	35.7	41.2
57.5°	104.3	86.6	181.4	180.9	75.8	102.3	137.0	90.2	59.0	101.1	133.5
55°	727.3	666.0	579.1	569.8	599.9	455.8	381.1	366.8	287.1	186.6	221.7
52.5°	1025.4	964.3	904.9	849.7	804.4	755.9	684.6	607.7	583.1	469.5	362.0
50°	1160.2	1219.5	1161.1	1018.3	1043.7	974.7	874.4	792.5	809.3	739.8	596.5
47.5°	1573.3	1645.6	1647.4	1562.3	1467.4	1438.2	1291.0	1035.4	1052.5	1049.5	897.7
45°	2303.4	2202.4	2240.1	2120.4	1952.9	1860.4	1855.4	1581.9	1328.6	1287.4	1272.7
42.5°	2703.6	2628.8	2551.4	2462.1	2314.0	2166.4	2075.2	1921.3	1717.7	1537.4	1473.5
40°	2865.4	2778.3	2706.0	2632.1	2512.8	2361.5	2288.1	2086.1	1933.0	1776.9	1725.0
37.5°	3060.9	2895.6	2960.1	2820.3	2709.6	2672.7	2615.8	2405.5	2066.2	2037.7	2011.4
35°	3497.5	3342.8	3491.7	3465.3	3024.7	3073.7	3111.5	2853.2	2497.9	2305.2	2309.4
32.5°	4493.6	4137.1	4028.3	4161.6	3930.0	3545.4	3551.1	3472.4	2987.5	2707.1	2584.4
30°	4854.3	4695.9	4524.4	4501.3	4328.8	4106.3	3965.1	3776.0	3423.1	3103.2	2892.9
27.5°	5009.9	4866.2	4721.8	4610.4	4510.6	4359.6	4175.3	3953.2	3702.0	3415.4	3211.1
25°	5121.0	4960.1	4835.5	4712.5	4605.0	4490.7	4302.4	4086.1	3851.8	3620.7	3401.4
22.5°	5210.1	5060.2	4926.2	4793.8	4706.7	4583.7	4414.5	4191.0	4033.9	3886.9	3601.8
20°	5307.7	5163.2	5012.3	5018.7	4890.3	4685.1	4522.4	4411.1	4389.6	4224.3	3856.2
17.5°	5731.5	5334.1	5408.0	5548.0	5265.1	4892.6	4834.6	4840.7	4772.4	4618.8	4161.0
15°	6639.1	6065.1	6070.1	6166.6	5860.0	5402.4	5296.8	5283.8	5176.3	5006.3	4482.9
12.5°	6924.9	6733.2	6697.9	6554.4	6253.4	5911.4	5786.3	5718.4	5521.1	5192.2	4714.5
10°	7021.5	6910.4	6762.8	6618.1	6435.4	6298.0	6119.8	5873.2	5593.2	5276.0	4887.1
7.5°	7033.0	6917.8	6798.8	6661.0	6500.6	6339.4	6163.2	5918.2	5647.4	5336.2	5008.7
5°	7026.3	6911.4	6801.2	6669.4	6506.8	6350.4	6190.8	5948.5	5684.0	5375.6	5088.6
2.5°	7009.1	6892.8	6787.9	6668.2	6506.3	6355.6	6207.8	5981.1	5710.2	5408.0	5115.3
0°	7034.1	6919.0	6819.7	6685.8	6539.2	6364.3	6216.1	6014.4	5722.8	5429.6	5125.4
-2.5°	7044.8	6926.0	6835.0	6683.9	6562.5	6384.0	6233.8	6038.9	5746.6	5467.7	5149.8
-5°	7101.7	6983.6	6864.6	6713.2	6585.5	6418.4	6249.6	6048.9	5764.5	5488.3	5160.8
-7.5°	7139.1	7019.2	6880.9	6734.1	6605.7	6446.4	6259.2	6049.9	5780.8	5488.0	5166.1
-10°	7162.5	7037.2	6900.6	6750.2	6617.6	6453.6	6256.0	6044.6	5777.5	5475.1	5154.5
-12.5°	7195.3	7054.3	6913.7	6743.0	6610.0	6441.6	6244.2	6032.6	5752.8	5451.1	5125.0
-15°	7207.7	7062.8	6898.4	6731.1	6585.8	6422.0	6218.3	5996.8	5709.6	5414.1	5076.8
-17.5°	7212.7	7048.0	6872.8	6712.2	6555.7	6381.9	6166.9	5931.4	5654.2	5349.0	5013.2
-20°	7208.8	7017.0	6836.6	6661.8	6497.7	6321.3	6099.5	5866.2	5574.9	5264.5	4930.9



REPORT NUMBER: P645443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7135.2	6961.6	6778.9	6589.4	6428.1	6241.0	6023.8	5782.4	5472.0	5171.7	4826.1
-25°	7054.2	6878.8	6690.2	6513.8	6342.1	6156.2	5933.0	5659.3	5364.5	5052.2	4698.9
-27.5°	6958.5	6774.1	6579.2	6399.9	6218.4	6035.4	5804.7	5529.0	5245.2	4903.7	4560.7
-30°	6829.3	6638.9	6440.3	6235.1	6069.2	5882.6	5654.5	5386.7	5081.9	4744.7	4418.4
-32.5°	6653.8	6474.7	6276.1	6081.1	5907.8	5712.0	5481.7	5215.9	4896.0	4577.1	4237.5
-35°	6475.5	6290.0	6100.6	5917.0	5734.5	5529.5	5294.4	5005.1	4699.3	4383.4	4031.1
-37.5°	6271.8	6078.7	5900.6	5726.2	5538.0	5327.8	5068.4	4788.9	4490.8	4143.4	3808.1
-40°	6053.1	5867.0	5672.6	5500.1	5299.4	5087.4	4836.7	4565.0	4237.1	3893.9	3578.6
-42.5°	5793.3	5607.3	5407.2	5215.2	5020.2	4818.6	4592.1	4298.2	3973.3	3649.4	3322.0
-45°	5479.6	5293.6	5096.8	4898.9	4716.4	4520.5	4309.8	3996.4	3675.5	3366.8	3052.7
-47.5°	5126.7	4946.3	4756.5	4560.3	4386.7	4190.0	3933.3	3641.7	3357.7	3064.0	2742.5
-50°	4743.4	4571.8	4396.3	4214.1	4019.1	3797.3	3550.9	3296.5	3015.2	2713.8	2420.0
-52.5°	4324.5	4167.4	4001.7	3826.7	3625.4	3405.2	3174.4	2904.3	2623.7	2367.8	2100.7
-55°	3887.3	3732.2	3568.4	3393.5	3205.8	2988.0	2748.9	2503.2	2274.2	2037.6	1833.7
-57.5°	3403.5	3256.5	3100.5	2935.4	2762.1	2559.6	2349.8	2141.4	1959.9	1776.0	1591.1
-60°	2886.5	2749.3	2616.6	2470.2	2310.2	2135.9	1982.9	1829.1	1675.2	1528.4	1379.4
-62.5°	2385.8	2270.9	2151.7	2032.9	1911.3	1785.4	1658.7	1539.9	1418.6	1294.1	1184.5
-65°	1912.4	1825.1	1731.0	1648.8	1562.6	1471.6	1369.7	1276.6	1188.4	1097.2	1004.0
-67.5°	1515.2	1452.9	1386.4	1321.6	1262.4	1199.4	1127.8	1052.5	982.6	915.2	846.5
-70°	1188.6	1147.4	1104.2	1056.8	1009.6	962.2	909.5	854.1	798.0	747.4	699.0
-72.5°	912.3	883.8	851.0	816.9	780.6	748.3	712.3	674.9	636.9	598.5	562.0
-75°	705.9	685.3	662.8	637.3	606.5	570.1	543.0	524.8	501.9	474.0	443.5
-77.5°	558.3	543.2	527.1	505.4	482.9	459.7	436.8	414.2	391.8	370.7	351.4
-80°	410.8	403.6	394.7	376.8	358.7	340.8	323.7	309.9	296.8	282.5	264.9
-82.5°	241.2	240.3	237.8	227.7	217.6	207.6	197.9	188.2	177.9	167.1	156.2
-85°	77.9	82.2	85.7	87.3	88.3	88.6	88.0	85.5	82.5	79.1	75.4
-87.5°	17.0	17.1	17.1	17.8	18.4	18.9	19.3	20.3	21.1	21.8	22.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-U-LAM-VSR-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°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.8	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.5	1.6	1.7
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.5
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.8
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.1	2.5	2.9
75°	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.7	2.1	2.5	2.9
72.5°	1.6	1.6	1.6	1.8	2.0	2.1	1.9	1.8	2.2	2.5	2.9
70°	1.8	1.7	1.6	1.9	2.3	2.6	2.5	2.5	2.2	2.6	3.0
67.5°	2.4	2.4	2.2	2.2	2.3	2.7	3.1	3.6	3.5	2.7	3.0
65°	2.4	2.8	3.3	4.5	4.0	2.8	3.2	6.2	5.0	4.2	3.0
62.5°	5.2	2.9	10.0	13.4	7.6	5.9	4.7	13.8	8.7	5.9	4.3
60°	12.4	10.2	27.8	44.5	31.1	10.5	15.4	23.9	21.9	7.6	6.0
57.5°	115.6	39.7	57.6	83.3	81.8	44.4	32.4	43.2	37.2	21.5	8.4
55°	246.7	207.6	137.1	125.5	135.6	109.5	71.3	69.9	57.4	39.8	13.6
52.5°	338.5	353.2	307.5	214.8	187.0	178.2	139.2	101.4	90.1	59.7	34.6
50°	490.0	456.4	451.8	379.2	262.3	237.4	205.5	158.4	126.4	85.4	58.4
47.5°	692.2	608.1	563.5	530.9	418.5	302.6	269.5	216.7	166.4	123.0	83.3
45°	989.3	786.0	699.7	646.9	573.5	425.6	337.3	273.2	216.9	165.1	109.4
42.5°	1287.6	1016.2	855.2	769.8	693.6	564.5	409.8	338.5	266.1	207.9	142.5
40°	1550.8	1253.7	1018.7	908.9	811.5	698.7	527.2	408.3	314.3	252.0	180.2
37.5°	1867.8	1524.0	1206.8	1054.7	937.1	810.8	646.3	481.2	372.2	298.3	218.0
35°	2174.3	1873.9	1417.3	1230.7	1076.9	925.7	761.0	567.4	443.4	345.3	255.7
32.5°	2503.5	2203.0	1735.2	1427.4	1221.6	1043.1	868.3	672.2	515.0	392.9	293.3
30°	2762.7	2419.6	2014.2	1624.2	1379.1	1174.1	975.3	772.7	586.7	440.9	331.3
27.5°	2900.1	2607.0	2234.4	1843.5	1556.3	1308.5	1085.7	868.8	658.4	493.7	370.8
25°	3042.3	2739.1	2391.7	2035.3	1731.3	1450.7	1195.5	960.4	736.6	553.2	409.9
22.5°	3212.3	2851.4	2524.4	2187.2	1911.8	1594.9	1310.7	1053.1	814.8	611.6	448.4
20°	3383.0	2955.6	2655.4	2394.0	2088.9	1750.9	1431.2	1143.6	888.6	668.5	486.0
17.5°	3562.2	3145.0	2877.7	2595.8	2265.5	1902.1	1549.8	1231.2	957.8	723.5	522.6
15°	3873.9	3428.4	3101.7	2792.2	2441.1	2047.4	1665.6	1315.4	1022.4	776.4	556.6
12.5°	4157.1	3692.3	3325.8	2982.0	2613.8	2186.1	1777.3	1395.5	1082.2	818.5	587.0
10°	4391.3	3937.0	3547.3	3164.3	2781.5	2317.0	1883.8	1460.8	1118.1	850.0	614.9
7.5°	4583.2	4163.2	3763.3	3337.7	2925.6	2402.6	1937.5	1498.9	1145.9	876.8	640.4
5°	4721.8	4314.1	3878.0	3398.1	2970.6	2437.7	1974.0	1529.8	1168.3	899.1	663.3
2.5°	4761.8	4360.5	3921.1	3431.2	3001.0	2460.5	2000.0	1553.5	1185.6	917.3	683.7
0°	4785.0	4391.0	3948.1	3451.6	3016.6	2471.3	2015.8	1569.8	1197.8	931.5	701.4
-2.5°	4817.5	4417.3	3974.2	3503.9	3027.0	2504.4	2024.7	1580.4	1213.3	936.6	711.7
-5°	4833.7	4427.5	3986.7	3539.1	3024.2	2524.1	2023.6	1583.8	1223.3	938.4	719.3
-7.5°	4826.6	4424.1	3987.2	3550.2	3010.6	2528.7	2012.6	1580.3	1227.4	937.1	724.0
-10°	4804.8	4406.1	3971.9	3521.7	2998.0	2510.8	1993.0	1570.2	1225.0	933.0	725.8
-12.5°	4771.7	4372.6	3940.8	3480.7	2971.8	2474.0	1970.0	1553.0	1215.1	926.6	724.5
-15°	4728.8	4323.8	3893.5	3428.6	2928.6	2424.9	1935.3	1528.0	1195.8	919.2	720.3
-17.5°	4673.7	4260.2	3829.8	3366.7	2867.8	2364.2	1888.7	1495.4	1171.8	910.3	711.6
-20°	4575.3	4174.8	3748.9	3296.5	2788.9	2292.2	1830.0	1455.3	1143.1	897.6	699.2

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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°	4464.8	4069.1	3648.0	3201.7	2693.8	2209.5	1759.0	1407.6	1110.0	881.0	684.3
-25°	4346.9	3950.0	3530.7	3070.4	2588.8	2122.0	1687.9	1352.5	1072.8	860.5	667.0
-27.5°	4208.5	3815.2	3397.8	2925.9	2466.9	2020.6	1619.8	1303.6	1036.7	836.1	647.4
-30°	4052.9	3656.6	3231.7	2771.6	2333.2	1903.2	1543.4	1251.4	1006.2	809.4	625.5
-32.5°	3874.5	3481.9	3047.6	2613.8	2192.0	1778.7	1459.1	1195.6	971.0	781.1	605.2
-35°	3671.5	3278.6	2852.5	2444.3	2042.4	1678.2	1376.6	1136.4	931.0	750.6	583.9
-37.5°	3460.0	3060.4	2657.4	2267.3	1883.4	1569.3	1302.4	1077.8	886.4	717.8	560.3
-40°	3218.5	2836.0	2452.7	2085.1	1745.7	1452.4	1222.2	1020.1	844.2	682.9	534.5
-42.5°	2969.8	2600.5	2239.2	1892.1	1609.8	1357.2	1138.1	957.9	799.7	649.2	506.6
-45°	2701.6	2351.9	2012.1	1729.5	1471.6	1256.4	1064.5	893.5	752.2	614.7	477.7
-47.5°	2418.7	2089.9	1805.7	1560.1	1354.1	1155.1	986.3	837.7	702.3	577.7	448.7
-50°	2119.0	1845.9	1615.6	1412.8	1227.4	1063.9	908.3	779.3	656.6	536.9	418.4
-52.5°	1853.4	1634.6	1444.0	1270.5	1115.7	968.0	841.1	719.4	609.5	497.9	386.7
-55°	1625.9	1446.5	1285.7	1141.3	1005.0	885.8	771.3	666.3	561.1	458.7	354.6
-57.5°	1429.4	1272.6	1143.9	1018.5	905.9	804.3	707.8	611.9	514.7	418.2	329.1
-60°	1240.6	1123.6	1009.0	908.2	812.9	726.7	647.8	557.6	467.9	377.6	300.9
-62.5°	1077.5	977.6	891.0	803.1	724.0	653.7	587.4	504.5	419.8	340.1	270.2
-65°	924.7	848.0	774.2	704.1	638.5	578.9	525.3	450.1	371.4	300.3	238.4
-67.5°	779.6	721.8	663.9	605.1	553.4	505.2	459.3	391.3	321.0	258.4	206.8
-70°	650.0	600.6	555.2	511.5	469.6	429.4	386.1	328.7	268.2	220.9	174.5
-72.5°	527.6	491.5	453.8	417.9	386.9	351.5	311.7	267.0	224.6	182.7	141.5
-75°	414.3	390.5	363.9	335.4	306.5	274.9	248.6	217.3	180.3	143.8	114.0
-77.5°	331.5	308.2	281.6	258.9	239.5	217.9	194.0	166.8	137.6	111.9	88.1
-80°	244.5	226.7	211.7	198.6	180.7	161.0	141.1	121.4	100.0	80.1	61.8
-82.5°	149.1	145.2	141.1	135.0	120.1	105.5	91.1	77.0	61.9	47.9	39.7
-85°	74.6	73.0	70.8	67.6	58.5	49.6	45.4	41.2	36.1	31.2	26.5
-87.5°	24.5	26.3	27.8	28.9	26.9	24.8	22.7	20.7	18.1	15.6	13.3
-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°	0.8	0.7	0.6	0.4	0.3	0.2	0.0
85°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
82.5°	2.5	2.1	1.7	1.2	0.8	0.5	0.0
80°	3.2	2.8	2.2	1.7	1.1	0.7	0.0
77.5°	3.2	3.2	2.8	2.1	1.4	0.9	0.0
75°	3.2	3.3	3.2	2.5	1.7	1.0	0.0
72.5°	3.3	3.4	3.4	2.9	2.0	1.2	0.0
70°	3.4	3.5	3.5	3.2	2.2	1.4	0.0
67.5°	3.7	3.7	3.7	3.4	2.5	1.5	0.0
65°	4.3	4.2	3.8	3.5	2.8	1.7	0.0
62.5°	5.0	5.2	4.0	3.7	3.1	1.9	0.0
60°	5.9	6.3	4.1	3.8	3.4	2.0	0.0
57.5°	10.8	7.6	5.3	4.0	3.6	2.2	0.0
55°	17.2	9.0	6.7	4.2	3.7	2.3	0.0
52.5°	24.7	11.5	8.0	4.3	3.9	2.5	0.0
50°	33.3	19.6	9.5	4.5	4.1	2.7	0.0
47.5°	44.8	28.3	11.0	4.9	4.3	2.8	0.0
45°	67.5	37.6	12.6	6.1	4.5	2.9	0.0
42.5°	90.8	47.5	14.2	7.3	4.7	3.1	0.0
40°	114.6	58.1	19.1	8.8	4.9	3.2	0.0
37.5°	138.8	69.1	27.3	10.7	5.1	3.4	0.0
35°	163.5	85.9	35.7	12.8	5.3	3.5	0.0
32.5°	190.2	105.3	44.1	15.1	5.5	3.6	0.0
30°	220.7	124.6	52.7	17.6	5.7	3.7	0.0
27.5°	250.7	143.6	63.2	20.3	5.9	3.9	0.0
25°	279.9	162.4	74.0	23.1	6.1	4.0	0.0
22.5°	308.3	181.5	84.7	26.0	6.3	4.1	0.0
20°	335.7	202.0	95.4	29.0	6.5	4.2	0.0
17.5°	362.9	221.8	105.9	32.1	6.7	4.3	0.0
15°	388.9	240.9	116.1	35.2	6.9	4.4	0.0
12.5°	413.3	259.1	126.0	38.3	7.1	4.4	0.0
10°	435.9	276.3	135.4	41.3	7.3	4.5	0.0
7.5°	456.7	292.4	144.3	44.2	7.4	4.6	0.0
5°	475.6	307.2	152.7	47.0	7.6	4.6	0.0
2.5°	492.6	320.6	160.3	49.6	7.8	4.7	0.0
0°	507.5	332.6	167.1	52.0	7.9	4.7	0.0
-2.5°	514.9	340.2	173.5	55.4	9.1	5.0	0.0
-5°	520.3	346.1	178.9	58.5	10.3	5.2	0.0
-7.5°	523.8	350.5	183.3	61.3	11.5	5.5	0.0
-10°	525.4	353.2	186.6	63.7	12.7	5.7	0.0
-12.5°	525.1	354.3	188.8	65.8	13.7	5.9	0.0
-15°	523.0	353.8	189.9	67.4	14.8	6.1	0.0
-17.5°	519.2	351.7	189.8	68.6	15.7	6.3	0.0
-20°	513.3	347.9	188.4	69.3	16.6	6.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	504.7	342.6	185.7	69.5	17.4	6.6	0.0
-25°	494.1	334.4	181.8	69.1	18.1	6.7	0.0
-27.5°	481.6	324.1	176.5	68.3	18.7	6.8	0.0
-30°	467.0	312.5	169.9	66.9	19.1	6.8	0.0
-32.5°	450.6	299.4	162.2	64.9	19.5	6.8	0.0
-35°	432.8	285.0	153.6	62.4	19.8	6.8	0.0
-37.5°	413.6	270.5	144.1	59.3	19.9	6.8	0.0
-40°	393.0	257.3	133.8	55.6	19.9	6.7	0.0
-42.5°	370.9	243.3	126.0	51.6	19.8	6.6	0.0
-45°	347.5	228.3	120.7	47.6	19.6	6.5	0.0
-47.5°	322.7	212.5	114.4	43.0	19.2	6.3	0.0
-50°	302.0	195.8	107.1	41.4	18.7	6.1	0.0
-52.5°	281.3	178.3	99.0	40.6	18.1	5.9	0.0
-55°	259.7	165.1	89.9	39.3	17.4	5.7	0.0
-57.5°	237.4	151.7	80.0	37.6	16.6	5.4	0.0
-60°	214.7	137.0	69.6	35.5	15.6	5.1	0.0
-62.5°	194.0	121.2	64.7	33.0	14.7	4.7	0.0
-65°	171.8	104.3	59.0	30.1	13.6	4.4	0.0
-67.5°	148.2	90.2	52.7	26.8	12.5	4.0	0.0
-70°	123.3	78.9	45.9	23.3	11.3	3.6	0.0
-72.5°	104.3	66.8	38.5	20.5	10.0	3.2	0.0
-75°	85.3	54.0	30.6	17.8	8.7	2.8	0.0
-77.5°	65.3	40.5	25.3	15.0	7.4	2.3	0.0
-80°	44.6	30.9	20.4	12.1	5.9	1.9	0.0
-82.5°	32.7	23.3	15.4	9.2	4.5	1.4	0.0
-85°	22.0	15.6	10.4	6.1	3.0	1.0	0.0
-87.5°	11.0	7.8	5.2	3.1	1.5	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)