

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



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: P645475 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645475 (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: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4D-722-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

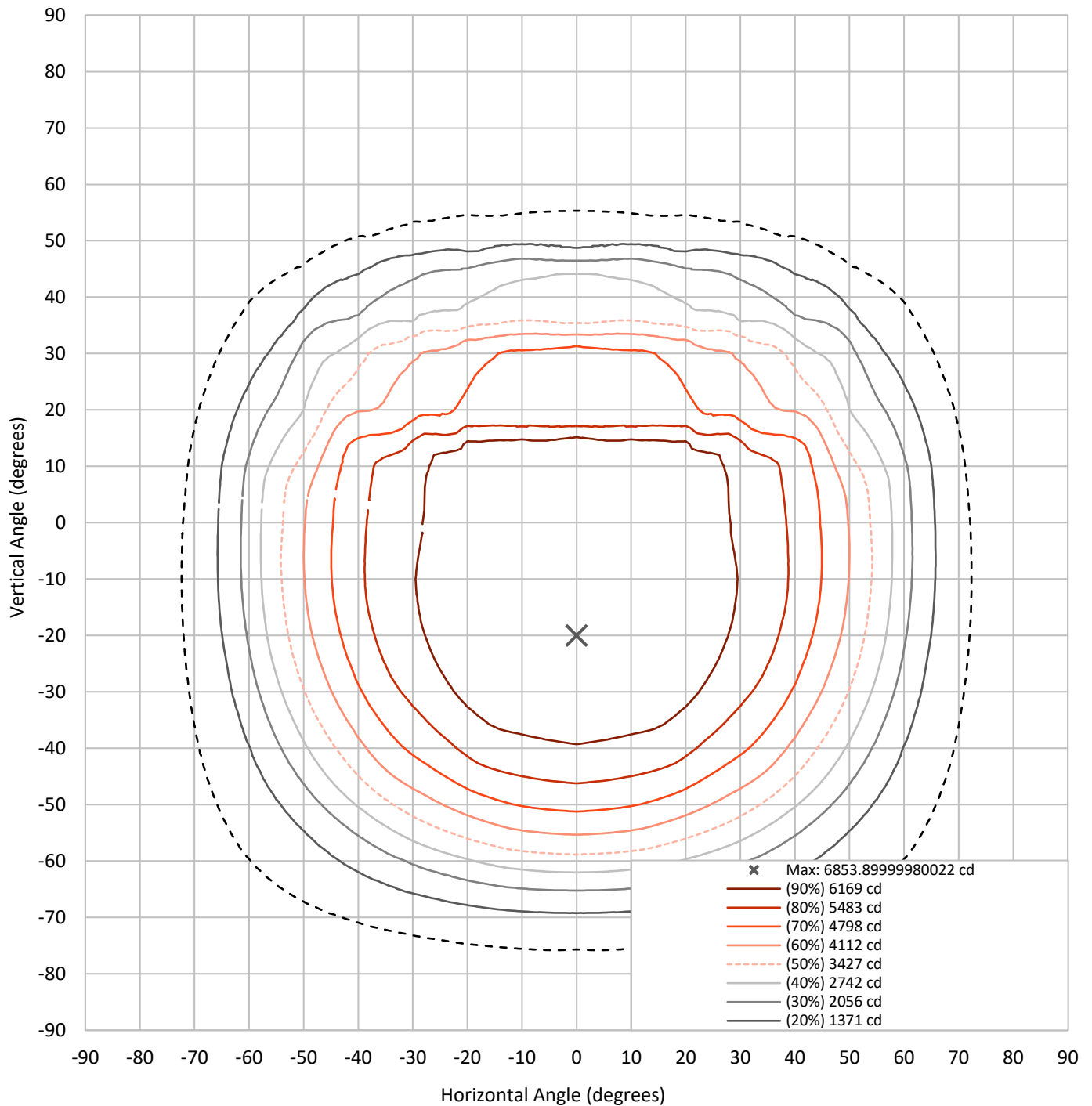
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	16071 lumens	Max Intensity:	6853.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	72.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	12563.4 lumens	Field Lumens:	15751.9 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	221.4		
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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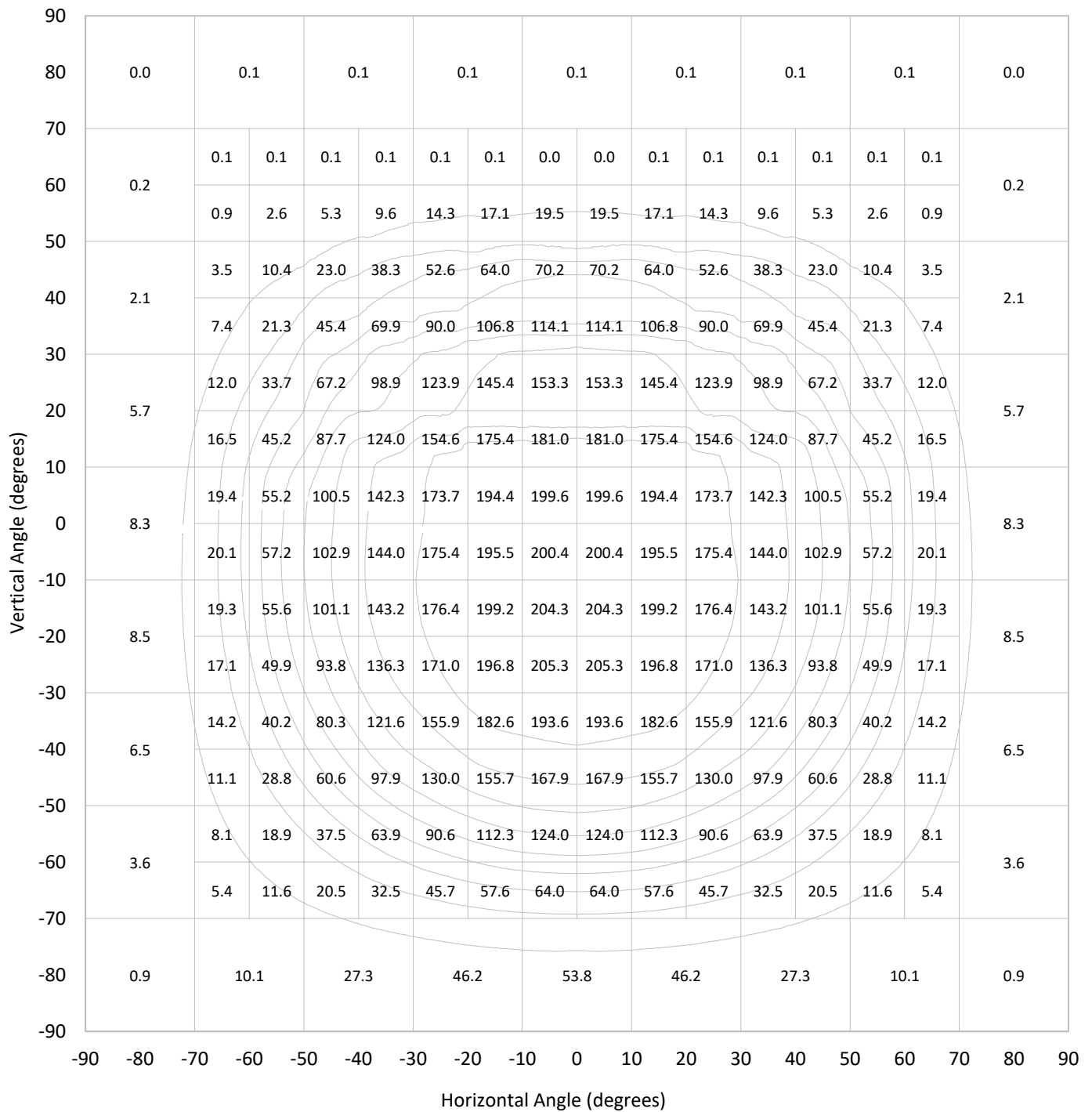
Iso-Candela Plot





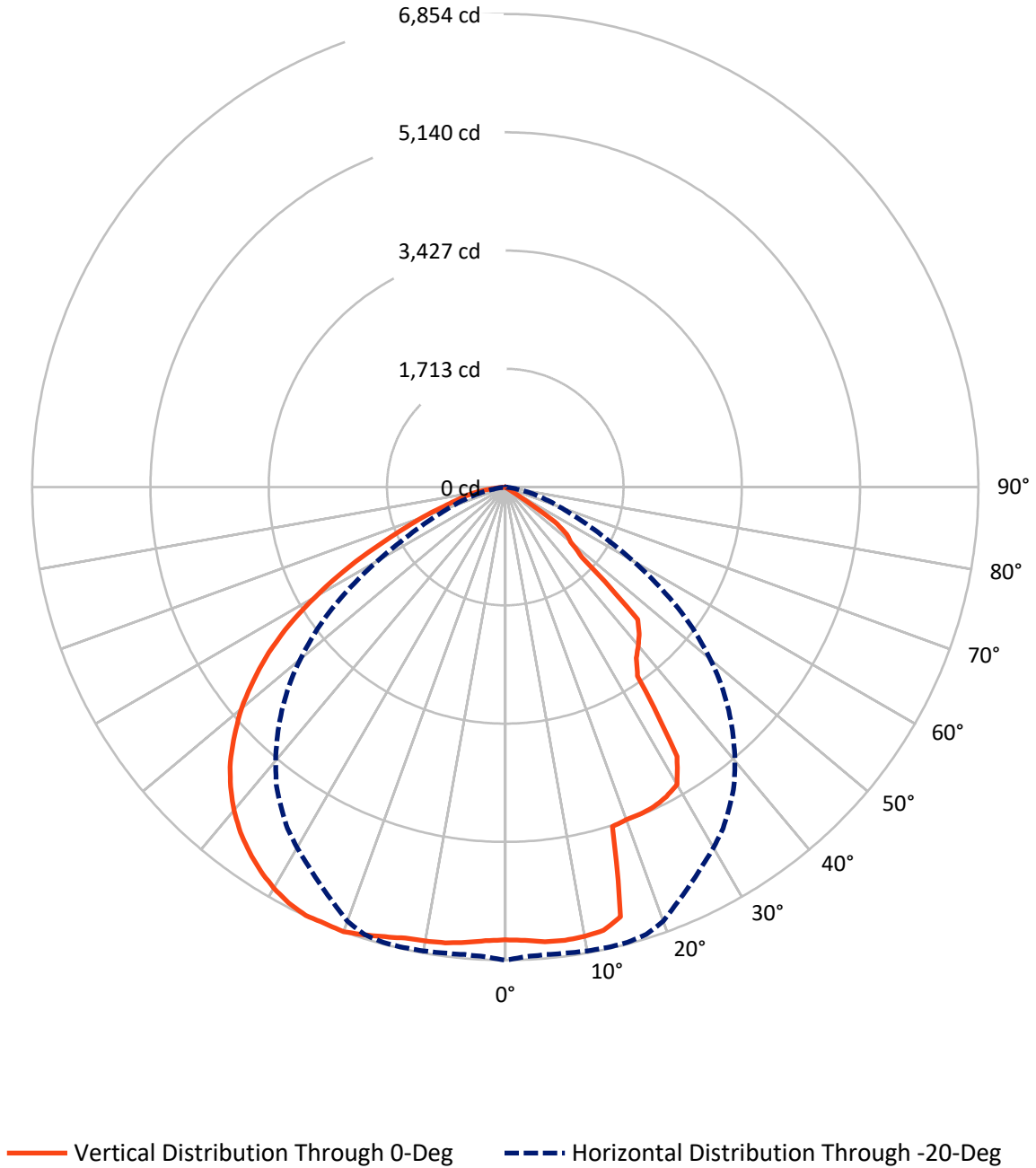
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Lumen Table



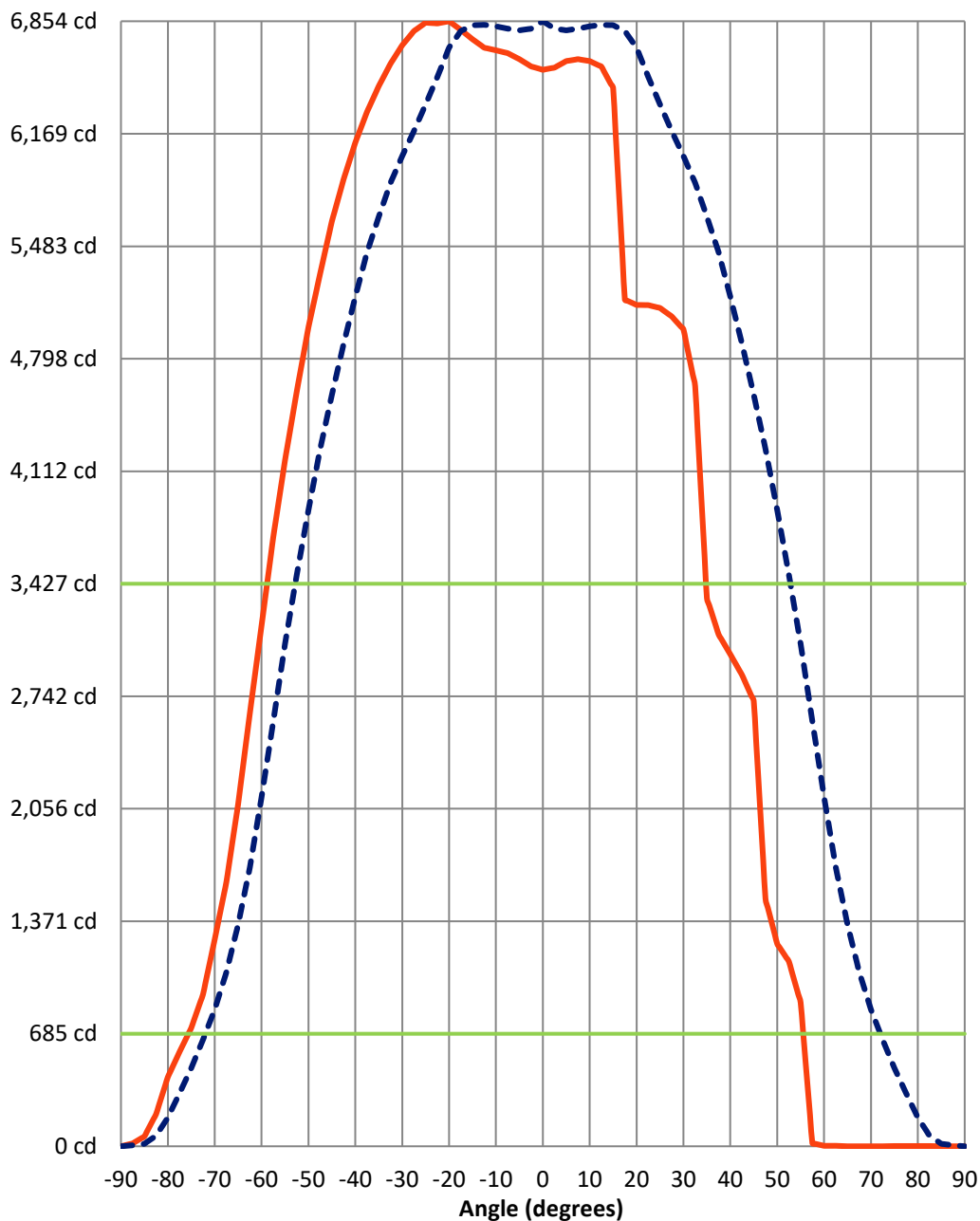
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 12563.4
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 15751.9
 Efficiency: 98.0%

Spill:
 Lumens: 319.2
 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	0.5	0.6	0.8	0.8	0.8	0.7	0.6
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.5	1.5	1.4	1.3
82.5°	0.0	0.5	0.8	1.1	1.5	1.9	2.2	2.3	2.2	1.9	1.5
80°	0.0	0.6	1.0	1.5	2.0	2.5	2.9	2.6	2.2	1.9	1.5
77.5°	0.0	0.8	1.3	1.9	2.5	2.9	2.9	2.6	2.3	1.9	1.6
75°	0.0	1.0	1.5	2.2	2.9	3.0	2.9	2.6	2.3	1.9	1.6
72.5°	0.0	1.1	1.8	2.6	3.1	3.1	3.0	2.7	2.3	2.0	1.6
70°	0.0	1.3	2.0	2.9	3.2	3.2	3.1	2.7	2.4	2.0	2.3
67.5°	0.0	1.4	2.3	3.1	3.4	3.4	3.4	2.7	2.4	3.3	3.3
65°	0.0	1.6	2.6	3.2	3.5	3.9	3.9	2.8	3.9	4.6	5.7
62.5°	0.0	1.7	2.8	3.4	3.7	4.8	4.6	3.9	5.4	8.0	12.7
60°	0.0	1.9	3.1	3.5	3.8	5.9	5.4	5.5	7.0	20.3	22.1
57.5°	0.0	2.0	3.3	3.7	5.0	7.0	10.0	7.8	19.9	34.5	40.1
55°	0.0	2.2	3.4	3.9	6.2	8.3	16.0	12.6	36.9	53.2	64.9
52.5°	0.0	2.3	3.6	4.0	7.5	10.6	22.9	32.1	55.4	83.6	94.2
50°	0.0	2.5	3.8	4.2	8.8	18.2	30.9	54.2	79.2	117.3	147.1
47.5°	0.0	2.6	3.9	4.6	10.2	26.3	41.5	77.3	114.1	154.5	201.2
45°	0.0	2.7	4.1	5.7	11.7	34.9	62.6	101.5	153.2	201.4	253.7
42.5°	0.0	2.9	4.3	6.8	13.2	44.1	84.2	132.3	193.0	247.0	314.2
40°	0.0	3.0	4.5	8.2	17.7	53.9	106.3	167.3	234.0	291.8	379.1
37.5°	0.0	3.1	4.7	10.0	25.4	64.1	128.9	202.3	277.0	345.6	446.7
35°	0.0	3.3	4.9	11.9	33.1	79.7	151.8	237.4	320.6	411.7	526.7
32.5°	0.0	3.4	5.1	14.1	41.0	97.7	176.6	272.3	364.8	478.1	624.0
30°	0.0	3.5	5.3	16.4	48.9	115.6	204.9	307.6	409.4	544.7	717.4
27.5°	0.0	3.6	5.4	18.9	58.7	133.3	232.7	344.3	458.4	611.2	806.6
25°	0.0	3.7	5.6	21.5	68.7	150.7	259.9	380.6	513.7	683.9	891.6
22.5°	0.0	3.8	5.8	24.2	78.7	168.5	286.2	416.3	567.8	756.5	977.7
20°	0.0	3.9	6.0	27.0	88.5	187.5	311.7	451.3	620.6	825.0	1061.7
17.5°	0.0	4.0	6.2	29.8	98.3	205.9	336.9	485.2	671.7	889.3	1143.1
15°	0.0	4.1	6.4	32.7	107.8	223.6	361.1	516.8	720.8	949.2	1221.2
12.5°	0.0	4.1	6.5	35.5	116.9	240.5	383.7	545.0	760.0	1004.8	1295.6
10°	0.0	4.2	6.7	38.3	125.7	256.5	404.7	570.9	789.2	1038.1	1356.2
7.5°	0.0	4.3	6.9	41.1	134.0	271.4	424.0	594.5	814.0	1063.9	1391.5
5°	0.0	4.3	7.0	43.6	141.7	285.1	441.6	615.8	834.8	1084.7	1420.3
2.5°	0.0	4.4	7.2	46.1	148.8	297.6	457.3	634.7	851.6	1100.7	1442.3
0°	0.0	4.4	7.3	48.3	155.1	308.7	471.2	651.1	864.8	1112.1	1457.4
-2.5°	0.0	4.7	8.4	51.4	161.0	315.7	478.1	660.7	869.5	1126.4	1467.3
-5°	0.0	4.9	9.6	54.3	166.0	321.3	483.1	667.7	871.2	1135.8	1470.4
-7.5°	0.0	5.1	10.7	56.9	170.1	325.3	486.3	672.1	870.0	1139.6	1467.1
-10°	0.0	5.3	11.7	59.2	173.2	327.9	487.8	673.8	866.2	1137.3	1457.8
-12.5°	0.0	5.5	12.7	61.0	175.3	328.9	487.5	672.7	860.2	1128.2	1441.8
-15°	0.0	5.7	13.7	62.5	176.3	328.5	485.6	668.7	853.4	1110.3	1418.6
-17.5°	0.0	5.9	14.6	63.6	176.2	326.5	482.1	660.7	845.1	1087.9	1388.4
-20°	0.0	6.0	15.4	64.3	174.9	323.0	476.6	649.1	833.3	1061.3	1351.1

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CATALOG NUMBER: GFLD-SA4D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.1	16.1	64.5	172.4	318.1	468.6	635.3	817.9	1030.6	1306.9
-25°	0.0	6.2	16.8	64.2	168.7	310.5	458.8	619.3	798.9	996.0	1255.7
-27.5°	0.0	6.3	17.3	63.4	163.8	300.9	447.1	601.0	776.2	962.5	1210.3
-30°	0.0	6.3	17.8	62.1	157.7	290.1	433.6	580.7	751.5	934.2	1161.8
-32.5°	0.0	6.4	18.1	60.3	150.5	277.9	418.3	561.9	725.2	901.4	1110.0
-35°	0.0	6.4	18.4	57.9	142.5	264.5	401.8	542.1	696.8	864.3	1055.0
-37.5°	0.0	6.3	18.5	55.0	133.7	251.1	384.0	520.2	666.4	822.9	1000.7
-40°	0.0	6.3	18.5	51.6	124.2	238.9	364.9	496.3	634.0	783.8	947.1
-42.5°	0.0	6.2	18.4	47.9	116.9	225.8	344.4	470.3	602.7	742.4	889.3
-45°	0.0	6.0	18.2	44.2	112.0	211.9	322.6	443.5	570.7	698.3	829.5
-47.5°	0.0	5.9	17.9	39.9	106.2	197.2	299.6	416.6	536.4	652.0	777.7
-50°	0.0	5.7	17.4	38.5	99.4	181.7	280.3	388.4	498.5	609.6	723.5
-52.5°	0.0	5.5	16.8	37.7	91.9	165.5	261.1	359.0	462.2	565.9	667.9
-55°	0.0	5.3	16.2	36.5	83.5	153.3	241.1	329.2	425.9	520.9	618.6
-57.5°	0.0	5.0	15.4	34.9	74.3	140.8	220.4	305.5	388.2	477.9	568.1
-60°	0.0	4.7	14.5	33.0	64.6	127.2	199.3	279.3	350.5	434.4	517.7
-62.5°	0.0	4.4	13.6	30.6	60.0	112.5	180.1	250.9	315.7	389.7	468.4
-65°	0.0	4.1	12.7	27.9	54.8	96.8	159.4	221.3	278.8	344.8	417.8
-67.5°	0.0	3.8	11.6	24.9	49.0	83.7	137.5	192.0	239.9	298.0	363.3
-70°	0.0	3.4	10.5	21.6	42.6	73.2	114.4	162.0	205.1	249.1	305.2
-72.5°	0.0	3.0	9.3	19.0	35.7	62.0	96.8	131.3	169.7	208.5	247.9
-75°	0.0	2.6	8.1	16.5	28.4	50.1	79.1	105.8	133.5	167.5	201.8
-77.5°	0.0	2.2	6.8	13.9	23.5	37.6	60.6	81.8	103.9	127.7	155.0
-80°	0.0	1.8	5.5	11.3	19.0	28.6	41.3	57.3	74.4	92.9	112.7
-82.5°	0.0	1.3	4.2	8.5	14.3	21.6	30.4	36.8	44.4	57.5	71.5
-85°	0.0	0.9	2.8	5.7	9.6	14.5	20.4	24.6	29.0	33.5	38.3
-87.5°	0.0	0.4	1.4	2.9	4.8	7.3	10.2	12.3	14.5	16.8	19.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA4D-722-U-LAM-VSR-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°	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2
85°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.7	1.9	1.9	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	2.3	2.4	2.1	1.7	1.5	1.6	1.7	1.6	1.5	1.5	1.5
67.5°	2.8	2.5	2.1	2.0	2.0	2.2	2.2	1.8	1.5	1.5	1.5
65°	2.9	2.5	3.7	4.1	3.0	2.6	2.2	1.9	2.0	2.1	2.1
62.5°	4.3	5.5	7.0	12.4	9.2	2.7	4.8	5.7	4.2	3.5	3.7
60°	14.3	9.7	28.8	41.3	25.8	9.4	11.5	38.2	33.2	6.2	20.7
57.5°	30.1	41.2	75.9	77.3	53.5	36.9	107.3	124.0	93.9	54.8	83.7
55°	66.2	101.6	125.9	116.6	127.3	192.8	229.1	205.8	173.2	266.5	340.5
52.5°	129.2	165.5	173.7	199.4	285.5	328.0	314.3	336.1	435.9	541.3	564.2
50°	190.8	220.4	243.5	352.1	419.4	423.7	455.0	553.8	686.8	751.4	735.8
47.5°	250.3	281.0	388.5	492.9	523.1	564.5	642.7	833.5	974.4	977.2	961.2
45°	313.2	395.2	532.5	600.5	649.6	729.7	918.4	1181.6	1195.3	1233.5	1468.6
42.5°	380.5	524.1	643.9	714.7	793.9	943.5	1195.3	1368.0	1427.4	1594.7	1783.8
40°	489.5	648.7	753.3	843.8	945.7	1163.9	1439.8	1601.5	1649.8	1794.6	1936.8
37.5°	600.0	752.7	870.0	979.1	1120.4	1414.8	1734.1	1867.4	1891.8	1918.3	2233.3
35°	706.6	859.4	999.8	1142.6	1315.8	1739.7	2018.7	2144.1	2140.2	2319.0	2648.9
32.5°	806.1	968.4	1134.1	1325.1	1611.0	2045.3	2324.3	2399.4	2513.3	2773.5	3223.8
30°	905.5	1090.1	1280.4	1507.9	1870.0	2246.4	2565.0	2685.8	2881.0	3178.0	3505.7
27.5°	1007.9	1214.8	1444.9	1711.5	2074.4	2420.4	2692.5	2981.3	3170.9	3437.0	3670.1
25°	1109.9	1346.8	1607.3	1889.6	2220.5	2543.0	2824.5	3157.9	3361.5	3576.1	3793.5
22.5°	1216.8	1480.7	1774.9	2030.7	2343.7	2647.2	2982.3	3343.9	3608.7	3745.1	3891.0
20°	1328.7	1625.6	1939.3	2222.7	2465.3	2744.0	3140.8	3580.1	3921.9	4075.4	4095.4
17.5°	1438.9	1765.9	2103.3	2410.0	2671.7	2919.8	3307.1	3863.2	4288.1	4430.8	4494.2
15°	1546.4	1900.9	2266.4	2592.3	2879.6	3183.0	3596.6	4162.0	4647.9	4805.7	4905.6
12.5°	1650.1	2029.6	2426.7	2768.6	3087.6	3428.0	3859.5	4377.1	4820.5	5125.9	5309.0
10°	1748.9	2151.1	2582.4	2937.7	3293.3	3655.2	4077.0	4537.2	4898.2	5192.8	5452.8
7.5°	1798.8	2230.6	2716.2	3098.8	3493.9	3865.1	4255.1	4650.1	4954.2	5243.1	5494.5
5°	1832.7	2263.2	2758.0	3154.9	3600.4	4005.2	4383.8	4724.3	4990.7	5277.1	5522.6
2.5°	1856.9	2284.4	2786.2	3185.6	3640.4	4048.3	4420.9	4749.1	5020.9	5301.4	5552.8
0°	1871.5	2294.4	2800.7	3204.5	3665.5	4076.6	4442.4	4758.5	5040.9	5313.1	5583.8
-2.5°	1879.8	2325.1	2810.3	3253.1	3689.7	4101.0	4472.6	4781.1	5076.2	5335.2	5606.6
-5°	1878.8	2343.4	2807.8	3285.7	3701.3	4110.6	4487.7	4791.3	5095.4	5351.8	5615.9
-7.5°	1868.6	2347.6	2795.1	3296.0	3701.7	4107.4	4481.1	4796.2	5095.1	5367.0	5616.7
-10°	1850.4	2331.1	2783.4	3269.5	3687.5	4090.7	4460.8	4785.5	5083.2	5363.9	5611.9
-12.5°	1829.0	2296.8	2759.0	3231.5	3658.7	4059.6	4430.1	4758.1	5060.9	5340.9	5600.6
-15°	1796.7	2251.3	2718.9	3183.1	3614.8	4014.3	4390.2	4713.3	5026.6	5300.8	5567.5
-17.5°	1753.5	2195.0	2662.5	3125.7	3555.6	3955.3	4339.1	4654.3	4966.0	5249.4	5506.8
-20°	1699.0	2128.2	2589.2	3060.5	3480.4	3876.0	4247.8	4577.9	4887.6	5175.9	5446.3



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 CATALOG NUMBER: GFLD-SA4D-722-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°	1633.1	2051.4	2501.0	2972.4	3386.8	3777.8	4145.2	4480.6	4801.5	5080.3	5368.4
-25°	1567.1	1970.2	2403.5	2850.6	3277.9	3667.2	4035.7	4362.5	4690.4	4980.5	5254.2
-27.5°	1503.9	1876.0	2290.3	2716.4	3154.5	3542.0	3907.2	4234.2	4552.6	4869.6	5133.2
-30°	1432.9	1767.0	2166.2	2573.2	3000.3	3394.8	3762.7	4102.0	4405.0	4718.1	5001.1
-32.5°	1354.6	1651.4	2035.1	2426.7	2829.4	3232.6	3597.1	3934.1	4249.4	4545.5	4842.5
-35°	1278.1	1558.1	1896.2	2269.3	2648.3	3043.9	3408.6	3742.5	4069.6	4362.9	4646.7
-37.5°	1209.2	1457.0	1748.6	2105.0	2467.2	2841.3	3212.3	3535.5	3846.8	4169.3	4446.0
-40°	1134.7	1348.4	1620.7	1935.8	2277.1	2632.9	2988.1	3322.4	3615.1	3933.8	4238.2
-42.5°	1056.7	1260.1	1494.6	1756.6	2078.8	2414.3	2757.2	3084.2	3388.1	3688.8	3990.4
-45°	988.3	1166.5	1366.2	1605.7	1868.0	2183.5	2508.2	2834.1	3125.8	3412.3	3710.2
-47.5°	915.7	1072.5	1257.2	1448.4	1676.4	1940.2	2245.5	2546.2	2844.7	3117.3	3380.9
-50°	843.3	987.8	1139.6	1311.7	1499.9	1713.7	1967.3	2246.8	2519.5	2799.4	3060.5
-52.5°	780.9	898.8	1035.9	1179.6	1340.7	1517.6	1720.7	1950.3	2198.3	2435.9	2696.4
-55°	716.2	822.4	933.1	1059.6	1193.7	1343.0	1509.5	1702.4	1891.7	2111.4	2324.1
-57.5°	657.1	746.7	841.1	945.5	1062.0	1181.5	1327.1	1477.1	1648.9	1819.6	1988.0
-60°	601.5	674.7	754.8	843.2	936.8	1043.1	1151.8	1280.7	1419.0	1555.2	1698.1
-62.5°	545.3	606.9	672.2	745.7	827.2	907.6	1000.4	1099.7	1201.5	1317.0	1429.7
-65°	487.6	537.4	592.8	653.7	718.8	787.3	858.5	932.1	1018.7	1103.3	1185.2
-67.5°	426.4	469.0	513.8	561.8	616.4	670.1	723.8	785.9	849.6	912.3	977.2
-70°	358.5	398.6	436.0	474.9	515.5	557.6	603.4	649.0	693.9	740.9	793.0
-72.5°	289.4	326.4	359.2	388.0	421.3	456.3	489.8	521.8	555.7	591.3	626.6
-75°	230.8	255.3	284.6	311.4	337.9	362.5	384.6	411.8	440.0	465.9	487.2
-77.5°	180.2	202.4	222.4	240.4	261.5	286.2	307.7	326.2	344.2	363.8	384.5
-80°	131.1	149.5	167.8	184.4	196.5	210.5	227.0	245.9	262.3	275.5	287.6
-82.5°	84.6	97.9	111.5	125.4	131.0	134.9	138.5	145.0	155.1	165.1	174.7
-85°	42.2	46.0	54.3	62.8	65.8	67.8	69.3	70.0	73.5	76.6	79.4
-87.5°	21.1	23.0	25.0	26.8	25.8	24.5	22.8	20.7	20.3	19.6	18.9
-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):

	-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°	1.2	1.3	1.3	1.3	1.4	1.0	0.7	0.4	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.1	0.7
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.0
65°	2.1	2.0	2.1	2.1	1.8	1.8	1.8	1.8	1.6	1.3	0.9
62.5°	3.7	4.1	3.3	3.2	3.2	3.1	2.9	2.8	2.6	2.5	2.5
60°	22.9	13.6	7.9	9.3	8.3	5.5	7.0	8.2	8.3	7.6	6.7
57.5°	127.2	95.0	70.3	167.9	168.4	80.4	96.8	152.2	125.4	41.1	38.2
55°	353.8	423.2	557.0	529.0	537.6	618.4	675.2	597.7	586.0	624.4	721.3
52.5°	635.7	701.8	746.8	788.9	840.1	895.2	951.9	988.0	1021.8	1057.7	1079.1
50°	811.8	904.9	968.9	945.4	1077.9	1132.2	1077.2	1126.4	1186.4	1202.9	1210.6
47.5°	1198.6	1335.2	1362.4	1450.4	1529.5	1527.8	1460.7	1464.6	1643.3	1801.0	1878.5
45°	1722.5	1727.2	1813.1	1968.6	2079.7	2044.7	2138.5	2351.8	2422.7	2491.4	2547.6
42.5°	1926.7	2011.3	2148.4	2285.9	2368.7	2440.6	2510.0	2588.4	2680.5	2755.2	2815.0
40°	2124.3	2192.5	2332.9	2443.6	2512.3	2579.3	2660.2	2747.0	2831.3	2897.0	2941.8
37.5°	2428.5	2481.4	2515.6	2618.4	2748.1	2688.3	2841.8	2951.8	3002.2	3068.8	3074.8
35°	2888.8	2853.7	2808.1	3217.2	3241.7	3103.5	3247.1	3417.7	3327.8	3515.1	3615.8
32.5°	3296.8	3291.6	3648.6	3863.7	3740.0	3841.0	4171.9	4157.2	4377.8	4480.2	4451.0
30°	3681.2	3812.4	4018.9	4179.1	4200.5	4359.8	4506.7	4635.5	4768.7	4888.1	4896.3
27.5°	3876.4	4047.5	4187.7	4280.4	4383.8	4517.8	4651.2	4796.2	4909.5	4984.3	5002.6
25°	3994.4	4169.2	4275.4	4375.1	4489.4	4605.0	4754.3	4912.2	5003.2	5049.4	5064.1
22.5°	4098.4	4255.6	4369.7	4450.6	4573.5	4697.9	4837.2	4970.8	5069.7	5089.8	5097.1
20°	4198.6	4349.6	4540.2	4659.4	4653.4	4793.6	4927.8	5034.1	5116.4	5116.0	5117.9
17.5°	4488.4	4542.3	4888.2	5150.8	5020.7	4952.2	5321.1	5328.1	5350.0	5306.5	5212.1
15°	4917.5	5015.6	5440.5	5725.2	5635.5	5630.8	6163.7	6031.6	6145.4	6115.6	6243.6
12.5°	5372.0	5488.2	5805.7	6085.2	6218.4	6251.1	6429.1	6595.9	6630.2	6616.7	6591.5
10°	5681.6	5847.1	5974.7	6144.3	6278.7	6415.7	6518.8	6638.6	6677.8	6655.1	6623.0
7.5°	5722.0	5885.5	6035.2	6184.1	6312.1	6422.5	6529.5	6627.0	6666.9	6653.7	6631.7
5°	5747.6	5895.7	6040.9	6192.0	6314.3	6416.5	6523.2	6622.0	6645.6	6629.7	6608.2
2.5°	5763.4	5900.5	6040.4	6190.9	6302.0	6399.4	6507.3	6612.7	6612.5	6605.6	6593.0
0°	5771.1	5908.6	6071.0	6207.1	6331.5	6423.7	6530.5	6632.9	6625.6	6606.6	6584.6
-2.5°	5787.5	5926.9	6092.6	6205.4	6345.7	6430.1	6540.5	6629.2	6625.8	6616.4	6605.5
-5°	5802.2	5958.9	6114.0	6232.6	6373.2	6483.6	6593.3	6662.7	6666.4	6653.3	6635.0
-7.5°	5811.1	5984.9	6132.8	6251.9	6388.3	6516.7	6628.0	6700.7	6702.3	6685.0	6663.1
-10°	5808.1	5991.6	6143.9	6267.0	6406.6	6533.4	6649.7	6742.0	6739.0	6722.5	6703.9
-12.5°	5797.1	5980.4	6136.8	6260.2	6418.8	6549.3	6680.2	6772.0	6776.9	6764.5	6744.3
-15°	5773.0	5962.2	6114.3	6249.1	6404.5	6557.2	6691.7	6792.9	6811.0	6800.9	6784.9
-17.5°	5725.4	5925.0	6086.3	6231.6	6380.7	6543.4	6696.4	6807.1	6831.8	6827.8	6814.5
-20°	5662.8	5868.8	6032.6	6184.8	6347.1	6514.6	6692.7	6793.9	6829.7	6832.0	6823.0



REPORT NUMBER: P645475 (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°	5592.5	5794.2	5967.9	6117.6	6293.6	6463.2	6624.4	6742.9	6803.1	6814.3	6815.1
-25°	5508.2	5715.5	5888.1	6047.5	6211.2	6386.3	6549.2	6681.5	6742.5	6771.7	6780.8
-27.5°	5389.1	5603.3	5773.2	5941.7	6108.2	6289.1	6460.3	6604.2	6653.8	6693.9	6710.0
-30°	5249.7	5461.5	5634.7	5788.7	5979.2	6163.6	6340.4	6465.9	6540.8	6586.6	6611.7
-32.5°	5089.3	5303.1	5484.9	5645.7	5826.7	6011.2	6177.4	6309.8	6413.1	6466.0	6492.8
-35°	4915.4	5133.7	5323.9	5493.4	5663.8	5839.7	6011.9	6150.4	6268.0	6313.5	6347.0
-37.5°	4705.6	4946.4	5141.5	5316.2	5478.2	5643.5	5822.8	5981.2	6095.4	6139.5	6174.9
-40°	4490.5	4723.2	4920.0	5106.4	5266.5	5446.9	5619.7	5785.7	5884.8	5936.2	5976.3
-42.5°	4263.4	4473.6	4660.8	4841.8	5020.1	5205.9	5378.5	5551.0	5636.7	5698.7	5747.9
-45°	4001.2	4196.8	4378.7	4548.2	4731.9	4914.6	5087.3	5239.8	5341.8	5422.5	5485.2
-47.5°	3651.7	3890.0	4072.6	4233.8	4416.0	4592.2	4759.6	4902.9	5014.8	5109.2	5182.1
-50°	3296.7	3525.4	3731.4	3912.4	4081.5	4244.4	4403.8	4544.0	4662.4	4764.7	4838.6
-52.5°	2947.1	3161.4	3365.8	3552.7	3715.2	3869.0	4014.8	4155.9	4280.7	4390.1	4461.6
-55°	2552.1	2774.1	2976.3	3150.5	3312.9	3465.0	3608.9	3742.7	3865.6	3977.0	4045.5
-57.5°	2181.6	2376.3	2564.3	2725.3	2878.5	3023.3	3159.8	3287.9	3406.2	3511.0	3577.0
-60°	1840.9	1982.9	2144.8	2293.3	2429.2	2552.4	2679.8	2799.2	2907.9	3000.0	3061.6
-62.5°	1539.9	1657.5	1774.4	1887.4	1997.6	2108.3	2214.9	2314.0	2404.7	2480.3	2534.2
-65°	1271.6	1366.2	1450.7	1530.8	1607.2	1694.5	1775.5	1851.8	1922.3	1980.2	2021.3
-67.5°	1047.1	1113.5	1172.0	1226.9	1287.1	1348.8	1406.7	1457.1	1500.2	1534.5	1561.6
-70°	844.4	893.3	937.3	981.2	1025.1	1065.3	1103.5	1140.6	1175.8	1204.6	1226.1
-72.5°	661.3	694.7	724.7	758.5	790.1	820.5	847.0	868.4	885.0	901.1	915.2
-75°	504.2	529.3	563.1	591.7	615.3	636.2	655.4	672.4	687.4	700.7	712.4
-77.5°	405.5	426.8	448.3	469.2	489.4	504.4	518.3	532.2	545.9	557.7	568.0
-80°	300.5	316.4	333.0	349.8	366.5	374.7	381.4	387.5	392.9	399.9	406.5
-82.5°	183.7	192.7	202.0	211.4	220.7	223.1	223.9	223.7	222.5	219.9	216.0
-85°	81.7	82.2	82.0	81.0	79.5	76.2	72.3	67.7	62.5	61.7	60.8
-87.5°	18.0	17.6	17.1	16.6	16.0	15.9	15.8	15.7	15.6	16.1	16.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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	0.7	1.1	1.4	1.4
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	0.8	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	0.8	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.3	1.5	1.5
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.9	1.3	1.6	1.8
62.5°	2.7	2.8	2.9	2.9	2.9	2.8	2.7	2.5	2.5	2.6	2.8
60°	5.3	3.4	2.9	2.9	2.9	3.4	5.3	6.7	7.6	8.3	8.2
57.5°	32.3	24.1	20.5	19.0	20.5	24.1	32.3	38.2	41.1	125.4	152.2
55°	790.8	831.1	861.1	875.0	861.1	831.1	790.8	721.3	624.4	586.0	597.7
52.5°	1098.0	1115.5	1125.6	1125.2	1125.6	1115.5	1098.0	1079.1	1057.7	1021.8	988.0
50°	1223.8	1232.4	1235.4	1233.5	1235.4	1232.4	1223.8	1210.6	1202.9	1186.4	1126.4
47.5°	1807.8	1651.3	1536.3	1508.6	1536.3	1651.3	1807.8	1878.5	1801.0	1643.3	1464.6
45°	2574.6	2634.0	2693.1	2711.4	2693.1	2634.0	2574.6	2547.6	2491.4	2422.7	2351.8
42.5°	2840.2	2859.5	2870.5	2870.9	2870.5	2859.5	2840.2	2815.0	2755.2	2680.5	2588.4
40°	2966.9	2985.2	2995.8	2996.7	2995.8	2985.2	2966.9	2941.8	2897.0	2831.3	2747.0
37.5°	3082.1	3097.6	3107.8	3118.2	3107.8	3097.6	3082.1	3074.8	3068.8	3002.2	2951.8
35°	3602.2	3484.4	3315.0	3340.6	3315.0	3484.4	3602.2	3615.8	3515.1	3327.8	3417.7
32.5°	4496.6	4546.2	4577.1	4629.7	4577.1	4546.2	4496.6	4451.0	4480.2	4377.8	4157.2
30°	4909.3	4925.7	4950.5	4976.5	4950.5	4925.7	4909.3	4896.3	4888.1	4768.7	4635.5
27.5°	5012.3	5029.2	5044.3	5055.5	5044.3	5029.2	5012.3	5002.6	4984.3	4909.5	4796.2
25°	5066.2	5076.7	5092.7	5106.8	5092.7	5076.7	5066.2	5064.1	5049.4	5003.2	4912.2
22.5°	5092.9	5094.0	5106.6	5124.3	5106.6	5094.0	5092.9	5097.1	5089.8	5069.7	4970.8
20°	5111.3	5101.4	5114.3	5125.8	5114.3	5101.4	5111.3	5117.9	5116.0	5116.4	5034.1
17.5°	5345.3	5211.8	5156.9	5158.0	5156.9	5211.8	5345.3	5212.1	5306.5	5350.0	5328.1
15°	6099.9	6150.0	6342.0	6445.6	6342.0	6150.0	6099.9	6243.6	6115.6	6145.4	6031.6
12.5°	6586.9	6569.0	6546.3	6577.3	6546.3	6569.0	6586.9	6591.5	6616.7	6630.2	6595.9
10°	6609.4	6607.4	6566.8	6611.0	6566.8	6607.4	6609.4	6623.0	6655.1	6677.8	6638.6
7.5°	6595.6	6596.8	6579.6	6622.7	6579.6	6596.8	6595.6	6631.7	6653.7	6666.9	6627.0
5°	6604.7	6575.0	6586.3	6611.0	6586.3	6575.0	6604.7	6608.2	6629.7	6645.6	6622.0
2.5°	6579.2	6576.1	6554.2	6571.5	6554.2	6576.1	6579.2	6593.0	6605.6	6612.5	6612.7
0°	6559.8	6543.7	6543.7	6558.3	6543.7	6543.7	6559.8	6584.6	6606.6	6625.6	6632.9
-2.5°	6594.4	6591.0	6588.9	6578.8	6588.9	6591.0	6594.4	6605.5	6616.4	6625.8	6629.2
-5°	6622.8	6614.1	6590.2	6622.7	6590.2	6614.1	6622.8	6635.0	6653.3	6666.4	6662.7
-7.5°	6653.4	6631.2	6608.4	6659.3	6608.4	6631.2	6653.4	6663.1	6685.0	6702.3	6700.7
-10°	6681.4	6649.3	6627.1	6676.8	6627.1	6649.3	6681.4	6703.9	6722.5	6739.0	6742.0
-12.5°	6718.3	6680.8	6666.0	6692.9	6666.0	6680.8	6718.3	6744.3	6764.5	6776.9	6772.0
-15°	6757.7	6731.7	6728.2	6744.1	6728.2	6731.7	6757.7	6784.9	6800.9	6811.0	6792.9
-17.5°	6792.3	6774.0	6783.1	6801.2	6783.1	6774.0	6792.3	6814.5	6827.8	6831.8	6807.1
-20°	6808.8	6798.6	6808.7	6853.9	6808.7	6798.6	6808.8	6823.0	6832.0	6829.7	6793.9



REPORT NUMBER: P645475 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	6807.4	6808.1	6826.0	6840.7	6826.0	6808.1	6807.4	6815.1	6814.3	6803.1	6742.9
-25°	6781.5	6795.1	6815.7	6845.1	6815.7	6795.1	6781.5	6780.8	6771.7	6742.5	6681.5
-27.5°	6718.8	6741.5	6763.0	6793.9	6763.0	6741.5	6718.8	6710.0	6693.9	6653.8	6604.2
-30°	6628.2	6655.3	6674.4	6707.6	6674.4	6655.3	6628.2	6611.7	6586.6	6540.8	6465.9
-32.5°	6518.0	6548.6	6571.2	6594.9	6571.2	6548.6	6518.0	6492.8	6466.0	6413.1	6309.8
-35°	6380.2	6413.2	6437.3	6458.8	6437.3	6413.2	6380.2	6347.0	6313.5	6268.0	6150.4
-37.5°	6214.6	6250.2	6277.6	6302.2	6277.6	6250.2	6214.6	6174.9	6139.5	6095.4	5981.2
-40°	6021.7	6058.2	6087.5	6114.9	6087.5	6058.2	6021.7	5976.3	5936.2	5884.8	5785.7
-42.5°	5796.2	5833.1	5863.3	5891.1	5863.3	5833.1	5796.2	5747.9	5698.7	5636.7	5551.0
-45°	5535.8	5573.7	5605.7	5635.0	5605.7	5573.7	5535.8	5485.2	5422.5	5341.8	5239.8
-47.5°	5235.9	5276.4	5303.8	5317.5	5303.8	5276.4	5235.9	5182.1	5109.2	5014.8	4902.9
-50°	4892.1	4932.7	4965.5	4989.7	4965.5	4932.7	4892.1	4838.6	4764.7	4662.4	4544.0
-52.5°	4513.7	4552.2	4580.4	4597.5	4580.4	4552.2	4513.7	4461.6	4390.1	4280.7	4155.9
-55°	4099.4	4139.8	4166.5	4179.1	4166.5	4139.8	4099.4	4045.5	3977.0	3865.6	3742.7
-57.5°	3629.4	3667.7	3696.2	3712.3	3696.2	3667.7	3629.4	3577.0	3511.0	3406.2	3287.9
-60°	3109.5	3143.8	3165.4	3173.8	3165.4	3143.8	3109.5	3061.6	3000.0	2907.9	2799.2
-62.5°	2577.7	2610.1	2630.3	2638.2	2630.3	2610.1	2577.7	2534.2	2480.3	2404.7	2314.0
-65°	2051.9	2072.3	2083.5	2085.1	2083.5	2072.3	2051.9	2021.3	1980.2	1922.3	1851.8
-67.5°	1583.0	1598.4	1607.8	1611.0	1607.8	1598.4	1583.0	1561.6	1534.5	1500.2	1457.1
-70°	1242.1	1252.8	1258.8	1259.9	1258.8	1252.8	1242.1	1226.1	1204.6	1175.8	1140.6
-72.5°	926.1	933.7	931.0	924.8	931.0	933.7	926.1	915.2	901.1	885.0	868.4
-75°	722.5	730.9	727.4	721.4	727.4	730.9	722.5	712.4	700.7	687.4	672.4
-77.5°	577.1	584.8	581.0	575.1	581.0	584.8	577.1	568.0	557.7	545.9	532.2
-80°	412.2	416.7	419.8	421.4	419.8	416.7	412.2	406.5	399.9	392.9	387.5
-82.5°	211.0	204.7	200.8	196.1	200.8	204.7	211.0	216.0	219.9	222.5	223.7
-85°	59.6	58.2	59.2	60.0	59.2	58.2	59.6	60.8	61.7	62.5	67.7
-87.5°	17.1	17.5	17.6	17.6	17.6	17.5	17.1	16.6	16.1	15.6	15.7
-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: P645475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-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°	0.7	1.0	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1
85°	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.8
65°	1.8	1.8	1.8	2.1	2.1	2.0	2.1	2.1	2.1	2.0	1.9
62.5°	2.9	3.1	3.2	3.2	3.3	4.1	3.7	3.7	3.5	4.2	5.7
60°	7.0	5.5	8.3	9.3	7.9	13.6	22.9	20.7	6.2	33.2	38.2
57.5°	96.8	80.4	168.4	167.9	70.3	95.0	127.2	83.7	54.8	93.9	124.0
55°	675.2	618.4	537.6	529.0	557.0	423.2	353.8	340.5	266.5	173.2	205.8
52.5°	951.9	895.2	840.1	788.9	746.8	701.8	635.7	564.2	541.3	435.9	336.1
50°	1077.2	1132.2	1077.9	945.4	968.9	904.9	811.8	735.8	751.4	686.8	553.8
47.5°	1460.7	1527.8	1529.5	1450.4	1362.4	1335.2	1198.6	961.2	977.2	974.4	833.5
45°	2138.5	2044.7	2079.7	1968.6	1813.1	1727.2	1722.5	1468.6	1233.5	1195.3	1181.6
42.5°	2510.0	2440.6	2368.7	2285.9	2148.4	2011.3	1926.7	1783.8	1594.7	1427.4	1368.0
40°	2660.2	2579.3	2512.3	2443.6	2332.9	2192.5	2124.3	1936.8	1794.6	1649.8	1601.5
37.5°	2841.8	2688.3	2748.1	2618.4	2515.6	2481.4	2428.5	2233.3	1918.3	1891.8	1867.4
35°	3247.1	3103.5	3241.7	3217.2	2808.1	2853.7	2888.8	2648.9	2319.0	2140.2	2144.1
32.5°	4171.9	3841.0	3740.0	3863.7	3648.6	3291.6	3296.8	3223.8	2773.5	2513.3	2399.4
30°	4506.7	4359.8	4200.5	4179.1	4018.9	3812.4	3681.2	3505.7	3178.0	2881.0	2685.8
27.5°	4651.2	4517.8	4383.8	4280.4	4187.7	4047.5	3876.4	3670.1	3437.0	3170.9	2981.3
25°	4754.3	4605.0	4489.4	4375.1	4275.4	4169.2	3994.4	3793.5	3576.1	3361.5	3157.9
22.5°	4837.2	4697.9	4573.5	4450.6	4369.7	4255.6	4098.4	3891.0	3745.1	3608.7	3343.9
20°	4927.8	4793.6	4653.4	4659.4	4540.2	4349.6	4198.6	4095.4	4075.4	3921.9	3580.1
17.5°	5321.1	4952.2	5020.7	5150.8	4888.2	4542.3	4488.4	4494.2	4430.8	4288.1	3863.2
15°	6163.7	5630.8	5635.5	5725.2	5440.5	5015.6	4917.5	4905.6	4805.7	4647.9	4162.0
12.5°	6429.1	6251.1	6218.4	6085.2	5805.7	5488.2	5372.0	5309.0	5125.9	4820.5	4377.1
10°	6518.8	6415.7	6278.7	6144.3	5974.7	5847.1	5681.6	5452.8	5192.8	4898.2	4537.2
7.5°	6529.5	6422.5	6312.1	6184.1	6035.2	5885.5	5722.0	5494.5	5243.1	4954.2	4650.1
5°	6523.2	6416.5	6314.3	6192.0	6040.9	5895.7	5747.6	5522.6	5277.1	4990.7	4724.3
2.5°	6507.3	6399.4	6302.0	6190.9	6040.4	5900.5	5763.4	5552.8	5301.4	5020.9	4749.1
0°	6530.5	6423.7	6331.5	6207.1	6071.0	5908.6	5771.1	5583.8	5313.1	5040.9	4758.5
-2.5°	6540.5	6430.1	6345.7	6205.4	6092.6	5926.9	5787.5	5606.6	5335.2	5076.2	4781.1
-5°	6593.3	6483.6	6373.2	6232.6	6114.0	5958.9	5802.2	5615.9	5351.8	5095.4	4791.3
-7.5°	6628.0	6516.7	6388.3	6251.9	6132.8	5984.9	5811.1	5616.7	5367.0	5095.1	4796.2
-10°	6649.7	6533.4	6406.6	6267.0	6143.9	5991.6	5808.1	5611.9	5363.9	5083.2	4785.5
-12.5°	6680.2	6549.3	6418.8	6260.2	6136.8	5980.4	5797.1	5600.6	5340.9	5060.9	4758.1
-15°	6691.7	6557.2	6404.5	6249.1	6114.3	5962.2	5773.0	5567.5	5300.8	5026.6	4713.3
-17.5°	6696.4	6543.4	6380.7	6231.6	6086.3	5925.0	5725.4	5506.8	5249.4	4966.0	4654.3
-20°	6692.7	6514.6	6347.1	6184.8	6032.6	5868.8	5662.8	5446.3	5175.9	4887.6	4577.9



REPORT NUMBER: P645475 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	6624.4	6463.2	6293.6	6117.6	5967.9	5794.2	5592.5	5368.4	5080.3	4801.5	4480.6
-25°	6549.2	6386.3	6211.2	6047.5	5888.1	5715.5	5508.2	5254.2	4980.5	4690.4	4362.5
-27.5°	6460.3	6289.1	6108.2	5941.7	5773.2	5603.3	5389.1	5133.2	4869.6	4552.6	4234.2
-30°	6340.4	6163.6	5979.2	5788.7	5634.7	5461.5	5249.7	5001.1	4718.1	4405.0	4102.0
-32.5°	6177.4	6011.2	5826.7	5645.7	5484.9	5303.1	5089.3	4842.5	4545.5	4249.4	3934.1
-35°	6011.9	5839.7	5663.8	5493.4	5323.9	5133.7	4915.4	4646.7	4362.9	4069.6	3742.5
-37.5°	5822.8	5643.5	5478.2	5316.2	5141.5	4946.4	4705.6	4446.0	4169.3	3846.8	3535.5
-40°	5619.7	5446.9	5266.5	5106.4	4920.0	4723.2	4490.5	4238.2	3933.8	3615.1	3322.4
-42.5°	5378.5	5205.9	5020.1	4841.8	4660.8	4473.6	4263.4	3990.4	3688.8	3388.1	3084.2
-45°	5087.3	4914.6	4731.9	4548.2	4378.7	4196.8	4001.2	3710.2	3412.3	3125.8	2834.1
-47.5°	4759.6	4592.2	4416.0	4233.8	4072.6	3890.0	3651.7	3380.9	3117.3	2844.7	2546.2
-50°	4403.8	4244.4	4081.5	3912.4	3731.4	3525.4	3296.7	3060.5	2799.4	2519.5	2246.8
-52.5°	4014.8	3869.0	3715.2	3552.7	3365.8	3161.4	2947.1	2696.4	2435.9	2198.3	1950.3
-55°	3608.9	3465.0	3312.9	3150.5	2976.3	2774.1	2552.1	2324.1	2111.4	1891.7	1702.4
-57.5°	3159.8	3023.3	2878.5	2725.3	2564.3	2376.3	2181.6	1988.0	1819.6	1648.9	1477.1
-60°	2679.8	2552.4	2429.2	2293.3	2144.8	1982.9	1840.9	1698.1	1555.2	1419.0	1280.7
-62.5°	2214.9	2108.3	1997.6	1887.4	1774.4	1657.5	1539.9	1429.7	1317.0	1201.5	1099.7
-65°	1775.5	1694.5	1607.2	1530.8	1450.7	1366.2	1271.6	1185.2	1103.3	1018.7	932.1
-67.5°	1406.7	1348.8	1287.1	1226.9	1172.0	1113.5	1047.1	977.2	912.3	849.6	785.9
-70°	1103.5	1065.3	1025.1	981.2	937.3	893.3	844.4	793.0	740.9	693.9	649.0
-72.5°	847.0	820.5	790.1	758.5	724.7	694.7	661.3	626.6	591.3	555.7	521.8
-75°	655.4	636.2	615.3	591.7	563.1	529.3	504.2	487.2	465.9	440.0	411.8
-77.5°	518.3	504.4	489.4	469.2	448.3	426.8	405.5	384.5	363.8	344.2	326.2
-80°	381.4	374.7	366.5	349.8	333.0	316.4	300.5	287.6	275.5	262.3	245.9
-82.5°	223.9	223.1	220.7	211.4	202.0	192.7	183.7	174.7	165.1	155.1	145.0
-85°	72.3	76.2	79.5	81.0	82.0	82.2	81.7	79.4	76.6	73.5	70.0
-87.5°	15.8	15.9	16.0	16.6	17.1	17.6	18.0	18.9	19.6	20.3	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: P645475 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-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°	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.7	0.8	0.8
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.4	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.3
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.6
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.9	2.3	2.6
75°	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.6	1.9	2.3	2.6
72.5°	1.5	1.5	1.5	1.7	1.9	1.9	1.7	1.6	2.0	2.3	2.7
70°	1.7	1.6	1.5	1.7	2.1	2.4	2.3	2.3	2.0	2.4	2.7
67.5°	2.2	2.2	2.0	2.0	2.1	2.5	2.8	3.3	3.3	2.4	2.7
65°	2.2	2.6	3.0	4.1	3.7	2.5	2.9	5.7	4.6	3.9	2.8
62.5°	4.8	2.7	9.2	12.4	7.0	5.5	4.3	12.7	8.0	5.4	3.9
60°	11.5	9.4	25.8	41.3	28.8	9.7	14.3	22.1	20.3	7.0	5.5
57.5°	107.3	36.9	53.5	77.3	75.9	41.2	30.1	40.1	34.5	19.9	7.8
55°	229.1	192.8	127.3	116.6	125.9	101.6	66.2	64.9	53.2	36.9	12.6
52.5°	314.3	328.0	285.5	199.4	173.7	165.5	129.2	94.2	83.6	55.4	32.1
50°	455.0	423.7	419.4	352.1	243.5	220.4	190.8	147.1	117.3	79.2	54.2
47.5°	642.7	564.5	523.1	492.9	388.5	281.0	250.3	201.2	154.5	114.1	77.3
45°	918.4	729.7	649.6	600.5	532.5	395.2	313.2	253.7	201.4	153.2	101.5
42.5°	1195.3	943.5	793.9	714.7	643.9	524.1	380.5	314.2	247.0	193.0	132.3
40°	1439.8	1163.9	945.7	843.8	753.3	648.7	489.5	379.1	291.8	234.0	167.3
37.5°	1734.1	1414.8	1120.4	979.1	870.0	752.7	600.0	446.7	345.6	277.0	202.3
35°	2018.7	1739.7	1315.8	1142.6	999.8	859.4	706.6	526.7	411.7	320.6	237.4
32.5°	2324.3	2045.3	1611.0	1325.1	1134.1	968.4	806.1	624.0	478.1	364.8	272.3
30°	2565.0	2246.4	1870.0	1507.9	1280.4	1090.1	905.5	717.4	544.7	409.4	307.6
27.5°	2692.5	2420.4	2074.4	1711.5	1444.9	1214.8	1007.9	806.6	611.2	458.4	344.3
25°	2824.5	2543.0	2220.5	1889.6	1607.3	1346.8	1109.9	891.6	683.9	513.7	380.6
22.5°	2982.3	2647.2	2343.7	2030.7	1774.9	1480.7	1216.8	977.7	756.5	567.8	416.3
20°	3140.8	2744.0	2465.3	2222.7	1939.3	1625.6	1328.7	1061.7	825.0	620.6	451.3
17.5°	3307.1	2919.8	2671.7	2410.0	2103.3	1765.9	1438.9	1143.1	889.3	671.7	485.2
15°	3596.6	3183.0	2879.6	2592.3	2266.4	1900.9	1546.4	1221.2	949.2	720.8	516.8
12.5°	3859.5	3428.0	3087.6	2768.6	2426.7	2029.6	1650.1	1295.6	1004.8	760.0	545.0
10°	4077.0	3655.2	3293.3	2937.7	2582.4	2151.1	1748.9	1356.2	1038.1	789.2	570.9
7.5°	4255.1	3865.1	3493.9	3098.8	2716.2	2230.6	1798.8	1391.5	1063.9	814.0	594.5
5°	4383.8	4005.2	3600.4	3154.9	2758.0	2263.2	1832.7	1420.3	1084.7	834.8	615.8
2.5°	4420.9	4048.3	3640.4	3185.6	2786.2	2284.4	1856.9	1442.3	1100.7	851.6	634.7
0°	4442.4	4076.6	3665.5	3204.5	2800.7	2294.4	1871.5	1457.4	1112.1	864.8	651.1
-2.5°	4472.6	4101.0	3689.7	3253.1	2810.3	2325.1	1879.8	1467.3	1126.4	869.5	660.7
-5°	4487.7	4110.6	3701.3	3285.7	2807.8	2343.4	1878.8	1470.4	1135.8	871.2	667.7
-7.5°	4481.1	4107.4	3701.7	3296.0	2795.1	2347.6	1868.6	1467.1	1139.6	870.0	672.1
-10°	4460.8	4090.7	3687.5	3269.5	2783.4	2331.1	1850.4	1457.8	1137.3	866.2	673.8
-12.5°	4430.1	4059.6	3658.7	3231.5	2759.0	2296.8	1829.0	1441.8	1128.2	860.2	672.7
-15°	4390.2	4014.3	3614.8	3183.1	2718.9	2251.3	1796.7	1418.6	1110.3	853.4	668.7
-17.5°	4339.1	3955.3	3555.6	3125.7	2662.5	2195.0	1753.5	1388.4	1087.9	845.1	660.7
-20°	4247.8	3876.0	3480.4	3060.5	2589.2	2128.2	1699.0	1351.1	1061.3	833.3	649.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4145.2	3777.8	3386.8	2972.4	2501.0	2051.4	1633.1	1306.9	1030.6	817.9	635.3
-25°	4035.7	3667.2	3277.9	2850.6	2403.5	1970.2	1567.1	1255.7	996.0	798.9	619.3
-27.5°	3907.2	3542.0	3154.5	2716.4	2290.3	1876.0	1503.9	1210.3	962.5	776.2	601.0
-30°	3762.7	3394.8	3000.3	2573.2	2166.2	1767.0	1432.9	1161.8	934.2	751.5	580.7
-32.5°	3597.1	3232.6	2829.4	2426.7	2035.1	1651.4	1354.6	1110.0	901.4	725.2	561.9
-35°	3408.6	3043.9	2648.3	2269.3	1896.2	1558.1	1278.1	1055.0	864.3	696.8	542.1
-37.5°	3212.3	2841.3	2467.2	2105.0	1748.6	1457.0	1209.2	1000.7	822.9	666.4	520.2
-40°	2988.1	2632.9	2277.1	1935.8	1620.7	1348.4	1134.7	947.1	783.8	634.0	496.3
-42.5°	2757.2	2414.3	2078.8	1756.6	1494.6	1260.1	1056.7	889.3	742.4	602.7	470.3
-45°	2508.2	2183.5	1868.0	1605.7	1366.2	1166.5	988.3	829.5	698.3	570.7	443.5
-47.5°	2245.5	1940.2	1676.4	1448.4	1257.2	1072.5	915.7	777.7	652.0	536.4	416.6
-50°	1967.3	1713.7	1499.9	1311.7	1139.6	987.8	843.3	723.5	609.6	498.5	388.4
-52.5°	1720.7	1517.6	1340.7	1179.6	1035.9	898.8	780.9	667.9	565.9	462.2	359.0
-55°	1509.5	1343.0	1193.7	1059.6	933.1	822.4	716.2	618.6	520.9	425.9	329.2
-57.5°	1327.1	1181.5	1062.0	945.5	841.1	746.7	657.1	568.1	477.9	388.2	305.5
-60°	1151.8	1043.1	936.8	843.2	754.8	674.7	601.5	517.7	434.4	350.5	279.3
-62.5°	1000.4	907.6	827.2	745.7	672.2	606.9	545.3	468.4	389.7	315.7	250.9
-65°	858.5	787.3	718.8	653.7	592.8	537.4	487.6	417.8	344.8	278.8	221.3
-67.5°	723.8	670.1	616.4	561.8	513.8	469.0	426.4	363.3	298.0	239.9	192.0
-70°	603.4	557.6	515.5	474.9	436.0	398.6	358.5	305.2	249.1	205.1	162.0
-72.5°	489.8	456.3	421.3	388.0	359.2	326.4	289.4	247.9	208.5	169.7	131.3
-75°	384.6	362.5	337.9	311.4	284.6	255.3	230.8	201.8	167.5	133.5	105.8
-77.5°	307.7	286.2	261.5	240.4	222.4	202.4	180.2	155.0	127.7	103.9	81.8
-80°	227.0	210.5	196.5	184.4	167.8	149.5	131.1	112.7	92.9	74.4	57.3
-82.5°	138.5	134.9	131.0	125.4	111.5	97.9	84.6	71.5	57.5	44.4	36.8
-85°	69.3	67.8	65.8	62.8	54.3	46.0	42.2	38.3	33.5	29.0	24.6
-87.5°	22.8	24.5	25.8	26.8	25.0	23.0	21.1	19.2	16.8	14.5	12.3
-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	0.6	0.5	0.4	0.3	0.2	0.0
85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.2	1.9	1.5	1.1	0.8	0.5	0.0
80°	2.9	2.5	2.0	1.5	1.0	0.6	0.0
77.5°	2.9	2.9	2.5	1.9	1.3	0.8	0.0
75°	2.9	3.0	2.9	2.2	1.5	1.0	0.0
72.5°	3.0	3.1	3.1	2.6	1.8	1.1	0.0
70°	3.1	3.2	3.2	2.9	2.0	1.3	0.0
67.5°	3.4	3.4	3.4	3.1	2.3	1.4	0.0
65°	3.9	3.9	3.5	3.2	2.6	1.6	0.0
62.5°	4.6	4.8	3.7	3.4	2.8	1.7	0.0
60°	5.4	5.9	3.8	3.5	3.1	1.9	0.0
57.5°	10.0	7.0	5.0	3.7	3.3	2.0	0.0
55°	16.0	8.3	6.2	3.9	3.4	2.2	0.0
52.5°	22.9	10.6	7.5	4.0	3.6	2.3	0.0
50°	30.9	18.2	8.8	4.2	3.8	2.5	0.0
47.5°	41.5	26.3	10.2	4.6	3.9	2.6	0.0
45°	62.6	34.9	11.7	5.7	4.1	2.7	0.0
42.5°	84.2	44.1	13.2	6.8	4.3	2.9	0.0
40°	106.3	53.9	17.7	8.2	4.5	3.0	0.0
37.5°	128.9	64.1	25.4	10.0	4.7	3.1	0.0
35°	151.8	79.7	33.1	11.9	4.9	3.3	0.0
32.5°	176.6	97.7	41.0	14.1	5.1	3.4	0.0
30°	204.9	115.6	48.9	16.4	5.3	3.5	0.0
27.5°	232.7	133.3	58.7	18.9	5.4	3.6	0.0
25°	259.9	150.7	68.7	21.5	5.6	3.7	0.0
22.5°	286.2	168.5	78.7	24.2	5.8	3.8	0.0
20°	311.7	187.5	88.5	27.0	6.0	3.9	0.0
17.5°	336.9	205.9	98.3	29.8	6.2	4.0	0.0
15°	361.1	223.6	107.8	32.7	6.4	4.1	0.0
12.5°	383.7	240.5	116.9	35.5	6.5	4.1	0.0
10°	404.7	256.5	125.7	38.3	6.7	4.2	0.0
7.5°	424.0	271.4	134.0	41.1	6.9	4.3	0.0
5°	441.6	285.1	141.7	43.6	7.0	4.3	0.0
2.5°	457.3	297.6	148.8	46.1	7.2	4.4	0.0
0°	471.2	308.7	155.1	48.3	7.3	4.4	0.0
-2.5°	478.1	315.7	161.0	51.4	8.4	4.7	0.0
-5°	483.1	321.3	166.0	54.3	9.6	4.9	0.0
-7.5°	486.3	325.3	170.1	56.9	10.7	5.1	0.0
-10°	487.8	327.9	173.2	59.2	11.7	5.3	0.0
-12.5°	487.5	328.9	175.3	61.0	12.7	5.5	0.0
-15°	485.6	328.5	176.3	62.5	13.7	5.7	0.0
-17.5°	482.1	326.5	176.2	63.6	14.6	5.9	0.0
-20°	476.6	323.0	174.9	64.3	15.4	6.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	468.6	318.1	172.4	64.5	16.1	6.1	0.0
-25°	458.8	310.5	168.7	64.2	16.8	6.2	0.0
-27.5°	447.1	300.9	163.8	63.4	17.3	6.3	0.0
-30°	433.6	290.1	157.7	62.1	17.8	6.3	0.0
-32.5°	418.3	277.9	150.5	60.3	18.1	6.4	0.0
-35°	401.8	264.5	142.5	57.9	18.4	6.4	0.0
-37.5°	384.0	251.1	133.7	55.0	18.5	6.3	0.0
-40°	364.9	238.9	124.2	51.6	18.5	6.3	0.0
-42.5°	344.4	225.8	116.9	47.9	18.4	6.2	0.0
-45°	322.6	211.9	112.0	44.2	18.2	6.0	0.0
-47.5°	299.6	197.2	106.2	39.9	17.9	5.9	0.0
-50°	280.3	181.7	99.4	38.5	17.4	5.7	0.0
-52.5°	261.1	165.5	91.9	37.7	16.8	5.5	0.0
-55°	241.1	153.3	83.5	36.5	16.2	5.3	0.0
-57.5°	220.4	140.8	74.3	34.9	15.4	5.0	0.0
-60°	199.3	127.2	64.6	33.0	14.5	4.7	0.0
-62.5°	180.1	112.5	60.0	30.6	13.6	4.4	0.0
-65°	159.4	96.8	54.8	27.9	12.7	4.1	0.0
-67.5°	137.5	83.7	49.0	24.9	11.6	3.8	0.0
-70°	114.4	73.2	42.6	21.6	10.5	3.4	0.0
-72.5°	96.8	62.0	35.7	19.0	9.3	3.0	0.0
-75°	79.1	50.1	28.4	16.5	8.1	2.6	0.0
-77.5°	60.6	37.6	23.5	13.9	6.8	2.2	0.0
-80°	41.3	28.6	19.0	11.3	5.5	1.8	0.0
-82.5°	30.4	21.6	14.3	8.5	4.2	1.3	0.0
-85°	20.4	14.5	9.6	5.7	2.8	0.9	0.0
-87.5°	10.2	7.3	4.8	2.9	1.4	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)