

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: P645499 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645499 (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-SA5B-722-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

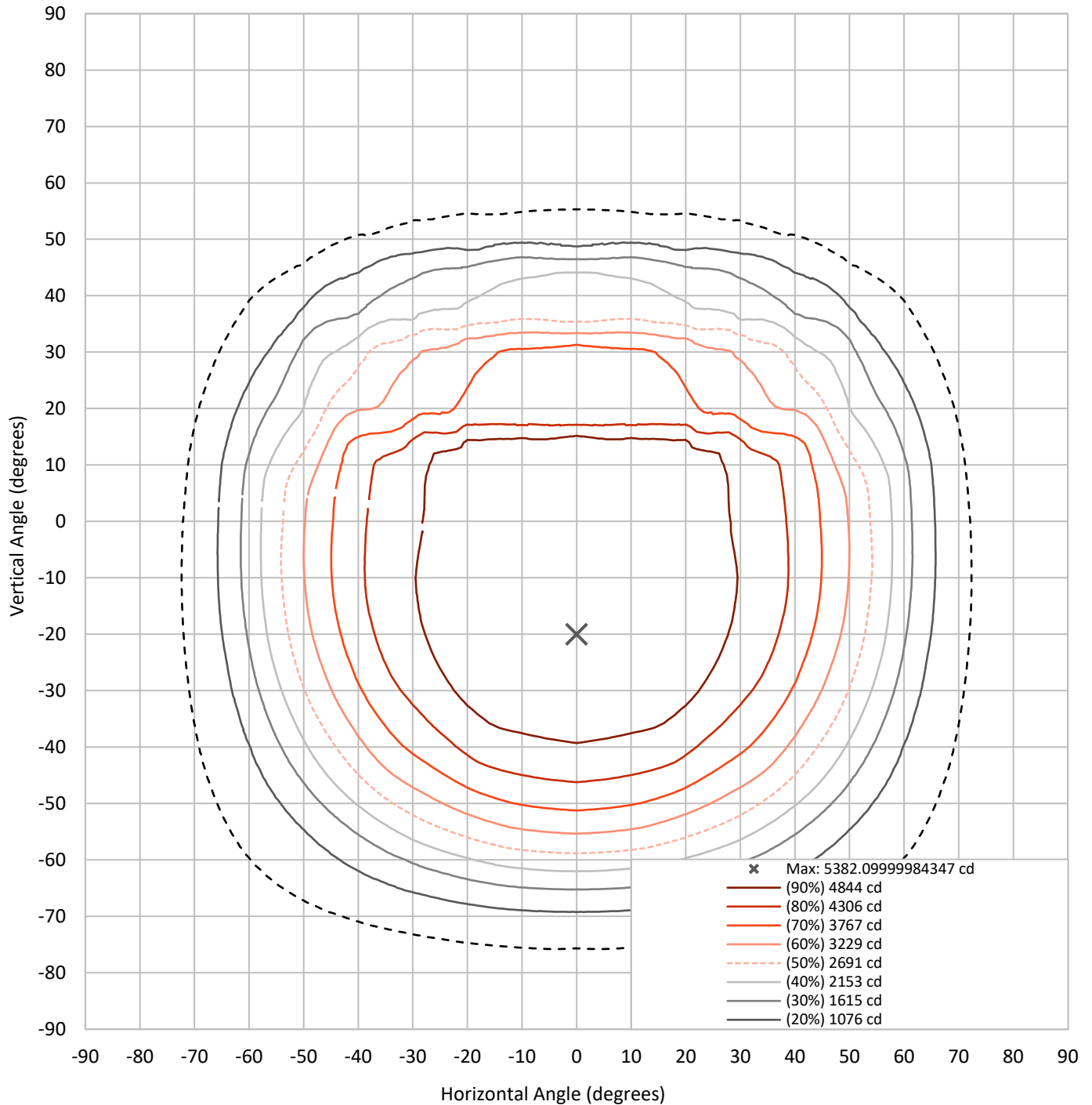
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12619.9 lumens	Max Intensity:	5382.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	79.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	9865.5 lumens	Field Lumens:	12369.3 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	158.7		
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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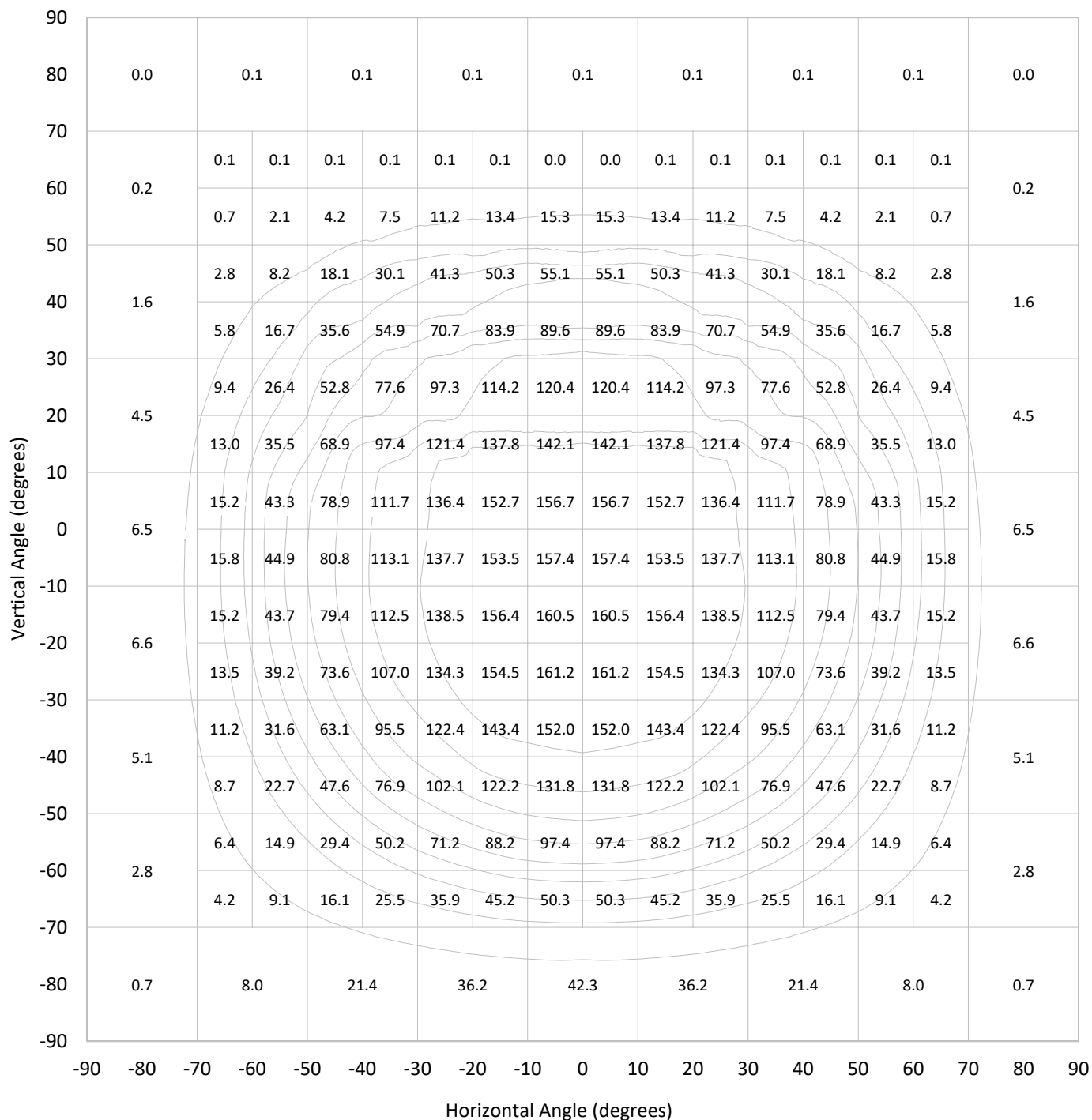
Iso-Candela Plot





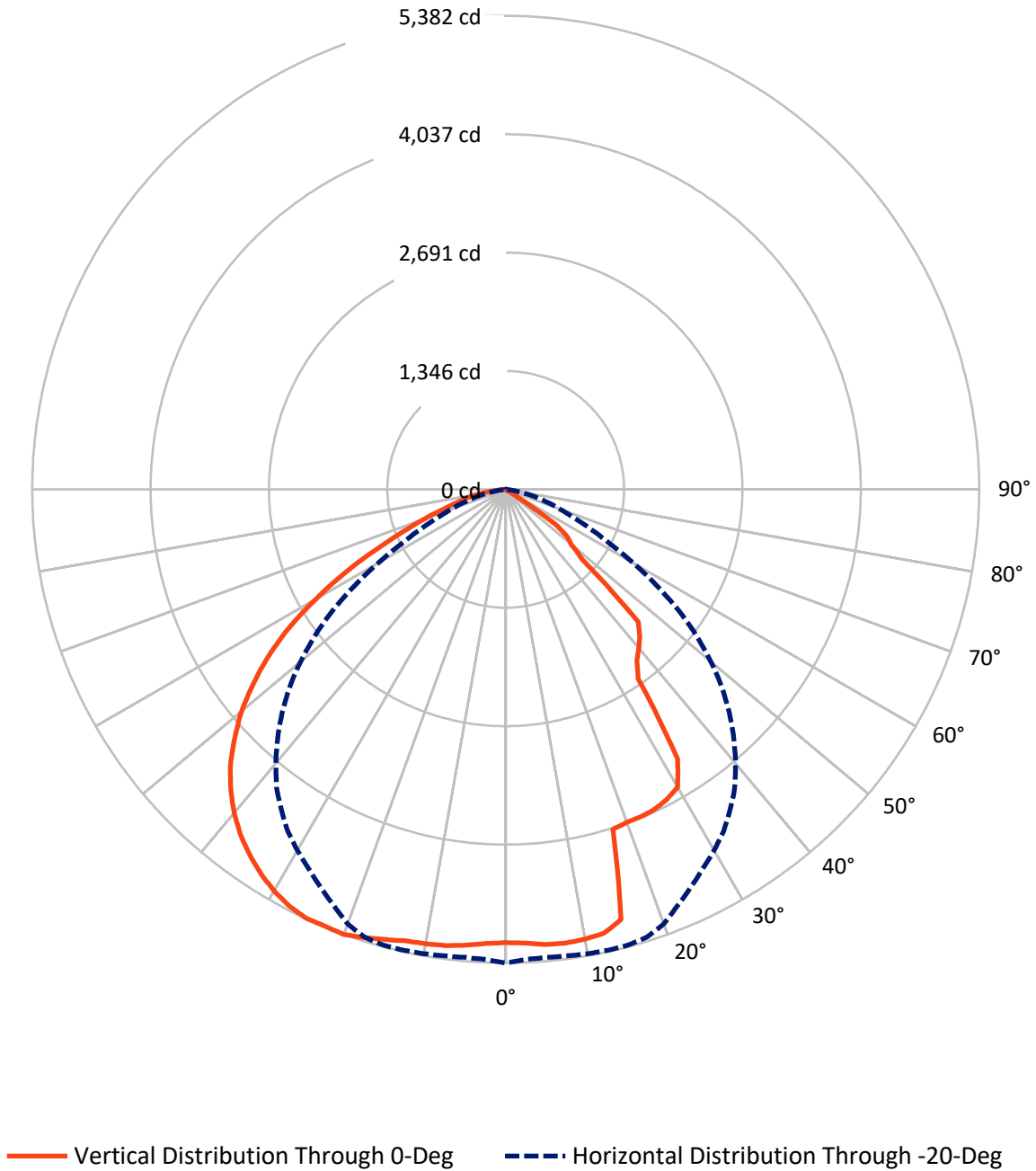
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Lumen Table



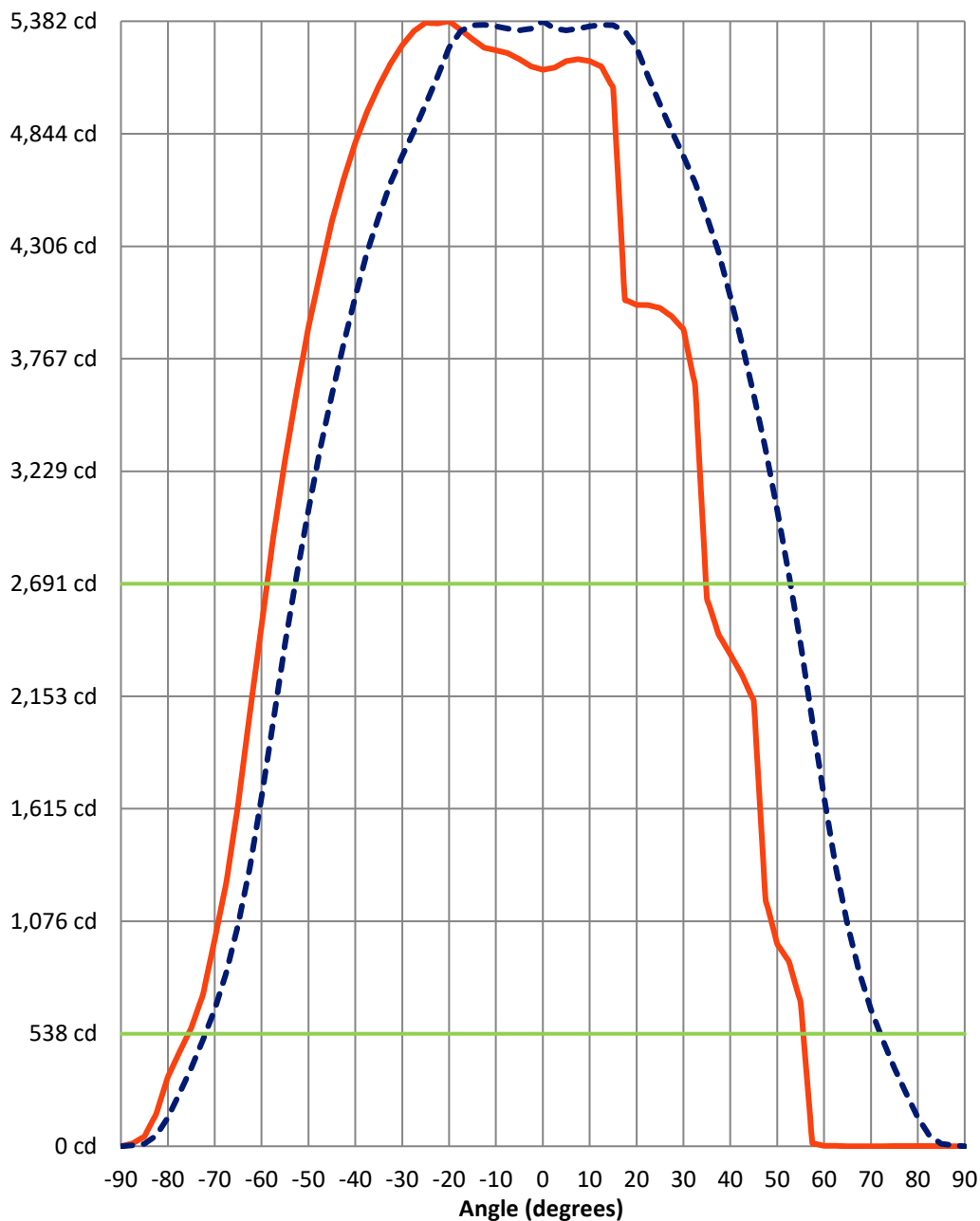
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 9865.5
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 12369.3
 Efficiency: 98.0%

Spill:
 Lumens: 250.6
 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	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.5
85°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.2	1.2	1.1	0.9
82.5°	0.0	0.4	0.6	0.9	1.2	1.5	1.8	1.8	1.7	1.4	1.1
80°	0.0	0.5	0.8	1.2	1.6	2.0	2.3	2.0	1.7	1.4	1.1
77.5°	0.0	0.6	1.0	1.5	2.0	2.3	2.3	2.0	1.8	1.5	1.2
75°	0.0	0.7	1.2	1.8	2.3	2.4	2.3	2.1	1.8	1.5	1.2
72.5°	0.0	0.9	1.4	2.1	2.4	2.5	2.4	2.1	1.8	1.5	1.2
70°	0.0	1.0	1.6	2.3	2.5	2.5	2.4	2.1	1.8	1.6	1.8
67.5°	0.0	1.1	1.8	2.4	2.6	2.6	2.7	2.2	1.9	2.5	2.6
65°	0.0	1.2	2.0	2.5	2.7	3.0	3.1	2.2	3.0	3.6	4.5
62.5°	0.0	1.3	2.2	2.7	2.9	3.8	3.6	3.1	4.2	6.3	10.0
60°	0.0	1.5	2.4	2.8	3.0	4.6	4.2	4.3	5.5	16.0	17.4
57.5°	0.0	1.6	2.6	2.9	3.9	5.5	7.9	6.1	15.6	27.1	31.5
55°	0.0	1.7	2.7	3.0	4.8	6.5	12.5	9.9	29.0	41.8	51.0
52.5°	0.0	1.8	2.8	3.1	5.8	8.3	18.0	25.2	43.5	65.7	73.9
50°	0.0	1.9	2.9	3.2	6.9	14.3	24.2	42.5	62.2	92.1	115.5
47.5°	0.0	2.0	3.1	3.5	8.0	20.6	32.6	60.7	89.6	121.3	158.0
45°	0.0	2.1	3.2	4.4	9.1	27.4	49.2	79.7	120.3	158.1	199.2
42.5°	0.0	2.2	3.4	5.3	10.3	34.6	66.1	103.9	151.6	194.0	246.7
40°	0.0	2.3	3.5	6.4	13.9	42.3	83.5	131.4	183.8	229.1	297.7
37.5°	0.0	2.4	3.6	7.8	19.9	50.3	101.2	158.9	217.5	271.3	350.8
35°	0.0	2.5	3.8	9.3	26.0	62.5	119.2	186.4	251.8	323.2	413.6
32.5°	0.0	2.6	3.9	11.0	32.1	76.7	138.6	213.9	286.5	375.4	490.0
30°	0.0	2.7	4.1	12.8	38.3	90.8	160.9	241.5	321.5	427.8	563.3
27.5°	0.0	2.8	4.2	14.8	46.0	104.7	182.8	270.4	359.9	480.0	633.4
25°	0.0	2.9	4.4	16.8	53.9	118.3	204.1	298.9	403.4	537.0	700.1
22.5°	0.0	2.9	4.5	19.0	61.7	132.3	224.8	326.9	445.9	594.0	767.8
20°	0.0	3.0	4.7	21.2	69.5	147.2	244.8	354.4	487.4	647.8	833.7
17.5°	0.0	3.1	4.8	23.4	77.1	161.7	264.6	381.0	527.5	698.3	897.6
15°	0.0	3.1	5.0	25.6	84.6	175.6	283.6	405.8	566.0	745.4	959.0
12.5°	0.0	3.2	5.1	27.9	91.8	188.9	301.3	427.9	596.8	789.0	1017.4
10°	0.0	3.3	5.2	30.1	98.7	201.4	317.8	448.3	619.7	815.2	1065.0
7.5°	0.0	3.3	5.4	32.2	105.2	213.1	333.0	466.8	639.2	835.4	1092.8
5°	0.0	3.3	5.5	34.2	111.3	223.9	346.8	483.6	655.5	851.8	1115.3
2.5°	0.0	3.4	5.6	36.1	116.8	233.7	359.1	498.4	668.7	864.4	1132.6
0°	0.0	3.4	5.7	37.9	121.8	242.4	370.0	511.3	679.1	873.3	1144.4
-2.5°	0.0	3.6	6.6	40.4	126.4	247.9	375.4	518.8	682.8	884.6	1152.1
-5°	0.0	3.8	7.5	42.6	130.4	252.3	379.4	524.3	684.1	891.9	1154.6
-7.5°	0.0	4.0	8.3	44.7	133.6	255.5	381.9	527.8	683.2	894.9	1152.1
-10°	0.0	4.1	9.2	46.4	136.0	257.5	383.1	529.1	680.2	893.1	1144.8
-12.5°	0.0	4.3	10.0	47.9	137.7	258.3	382.9	528.2	675.5	885.9	1132.2
-15°	0.0	4.4	10.7	49.1	138.4	257.9	381.4	525.1	670.2	871.9	1114.0
-17.5°	0.0	4.6	11.4	50.0	138.3	256.4	378.6	518.8	663.7	854.3	1090.2
-20°	0.0	4.7	12.0	50.5	137.3	253.7	374.2	509.8	654.4	833.4	1061.0

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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	4.8	12.6	50.6	135.4	249.8	368.0	498.9	642.3	809.3	1026.2
-25°	0.0	4.8	13.1	50.4	132.5	243.8	360.3	486.3	627.4	782.1	986.0
-27.5°	0.0	4.9	13.6	49.8	128.7	236.3	351.1	472.0	609.6	755.8	950.4
-30°	0.0	4.9	13.9	48.8	123.8	227.8	340.5	456.1	590.1	733.6	912.3
-32.5°	0.0	5.0	14.2	47.3	118.2	218.3	328.5	441.3	569.5	707.9	871.6
-35°	0.0	4.9	14.4	45.5	112.0	207.7	315.5	425.7	547.2	678.8	828.5
-37.5°	0.0	4.9	14.5	43.2	105.1	197.2	301.5	408.5	523.3	646.2	785.8
-40°	0.0	4.9	14.5	40.5	97.5	187.6	286.5	389.7	497.9	615.5	743.7
-42.5°	0.0	4.8	14.4	37.6	91.9	177.3	270.4	369.3	473.3	583.0	698.4
-45°	0.0	4.7	14.2	34.6	88.0	166.4	253.3	348.2	448.2	548.4	651.4
-47.5°	0.0	4.6	14.0	31.3	83.4	154.9	235.2	327.1	421.2	512.0	610.7
-50°	0.0	4.5	13.6	30.2	78.1	142.7	220.1	305.0	391.4	478.7	568.1
-52.5°	0.0	4.3	13.2	29.6	72.1	130.0	205.0	281.9	363.0	444.3	524.5
-55°	0.0	4.1	12.7	28.6	65.5	120.4	189.3	258.5	334.4	409.1	485.7
-57.5°	0.0	3.9	12.0	27.4	58.3	110.6	173.0	239.9	304.8	375.2	446.1
-60°	0.0	3.7	11.4	25.8	50.7	99.9	156.5	219.3	275.2	341.1	406.5
-62.5°	0.0	3.5	10.7	24.0	47.1	88.3	141.4	197.0	247.9	306.0	367.8
-65°	0.0	3.2	9.9	21.9	43.0	76.0	125.2	173.8	218.9	270.8	328.1
-67.5°	0.0	2.9	9.1	19.5	38.4	65.7	108.0	150.8	188.4	234.0	285.2
-70°	0.0	2.6	8.2	16.9	33.4	57.5	89.9	127.2	161.1	195.6	239.6
-72.5°	0.0	2.3	7.3	14.9	28.0	48.7	76.0	103.2	133.2	163.7	194.6
-75°	0.0	2.0	6.4	13.0	22.3	39.3	62.1	83.1	104.9	131.5	158.4
-77.5°	0.0	1.7	5.4	10.9	18.4	29.5	47.6	64.2	81.6	100.3	121.7
-80°	0.0	1.4	4.3	8.8	14.9	22.5	32.5	45.0	58.4	72.9	88.5
-82.5°	0.0	1.0	3.3	6.7	11.2	17.0	23.8	28.9	34.9	45.1	56.1
-85°	0.0	0.7	2.2	4.5	7.5	11.4	16.0	19.3	22.7	26.3	30.0
-87.5°	0.0	0.3	1.1	2.2	3.8	5.7	8.0	9.7	11.4	13.2	15.0
-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-SA5B-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°	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9
85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.3	1.4	1.4	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.8	1.8	1.6	1.3	1.1	1.2	1.3	1.2	1.1	1.1	1.1
67.5°	2.2	1.9	1.6	1.5	1.6	1.7	1.7	1.4	1.1	1.1	1.1
65°	2.3	2.0	2.8	3.2	2.4	2.0	1.7	1.4	1.5	1.6	1.6
62.5°	3.4	4.3	5.5	9.7	7.3	2.1	3.8	4.5	3.3	2.7	2.9
60°	11.2	7.6	22.6	32.5	20.3	7.4	9.0	30.0	26.0	4.8	16.2
57.5°	23.6	32.3	59.6	60.7	42.0	29.0	84.3	97.3	73.7	43.0	65.8
55°	51.9	79.8	98.9	91.5	100.0	151.4	179.9	161.6	136.1	209.3	267.4
52.5°	101.5	130.0	136.4	156.6	224.2	257.5	246.8	264.0	342.3	425.1	443.1
50°	149.8	173.1	191.2	276.5	329.4	332.7	357.3	434.9	539.4	590.0	577.8
47.5°	196.5	220.6	305.1	387.0	410.8	443.4	504.7	654.5	765.2	767.3	754.8
45°	245.9	310.3	418.1	471.6	510.1	573.0	721.2	927.9	938.6	968.6	1153.2
42.5°	298.8	411.6	505.6	561.3	623.5	740.9	938.7	1074.2	1120.8	1252.3	1400.8
40°	384.4	509.4	591.6	662.6	742.7	913.9	1130.6	1257.6	1295.5	1409.3	1520.9
37.5°	471.2	591.1	683.2	768.9	879.8	1111.0	1361.6	1466.4	1485.6	1506.3	1753.7
35°	554.8	674.9	785.1	897.2	1033.2	1366.1	1585.2	1683.7	1680.6	1821.0	2080.1
32.5°	633.0	760.5	890.6	1040.6	1265.0	1606.1	1825.2	1884.2	1973.6	2178.0	2531.5
30°	711.1	856.0	1005.4	1184.1	1468.4	1764.0	2014.2	2109.0	2262.3	2495.6	2752.9
27.5°	791.5	954.0	1134.6	1344.0	1629.0	1900.7	2114.3	2341.0	2489.9	2699.0	2882.0
25°	871.6	1057.6	1262.2	1483.8	1743.7	1996.9	2217.9	2479.7	2639.6	2808.1	2978.9
22.5°	955.6	1162.7	1393.8	1594.6	1840.4	2078.8	2341.9	2625.8	2833.7	2940.9	3055.5
20°	1043.4	1276.5	1522.9	1745.4	1935.9	2154.8	2466.3	2811.3	3079.7	3200.2	3215.9
17.5°	1129.9	1386.7	1651.6	1892.5	2098.0	2292.8	2596.9	3033.6	3367.3	3479.3	3529.1
15°	1214.3	1492.7	1779.7	2035.6	2261.2	2499.4	2824.2	3268.2	3649.8	3773.7	3852.1
12.5°	1295.7	1593.7	1905.6	2174.1	2424.6	2691.8	3030.6	3437.1	3785.3	4025.1	4168.9
10°	1373.3	1689.2	2027.9	2306.9	2586.1	2870.2	3201.5	3562.9	3846.4	4077.6	4281.8
7.5°	1412.5	1751.5	2132.9	2433.4	2743.6	3035.1	3341.3	3651.6	3890.3	4117.2	4314.6
5°	1439.1	1777.2	2165.7	2477.4	2827.2	3145.1	3442.4	3709.8	3919.0	4143.9	4336.7
2.5°	1458.1	1793.8	2187.9	2501.6	2858.6	3178.9	3471.5	3729.3	3942.7	4163.0	4360.4
0°	1469.6	1801.7	2199.3	2516.4	2878.3	3201.2	3488.5	3736.7	3958.4	4172.2	4384.7
-2.5°	1476.1	1825.8	2206.8	2554.5	2897.3	3220.4	3512.2	3754.4	3986.1	4189.6	4402.6
-5°	1475.3	1840.2	2204.8	2580.2	2906.4	3227.9	3524.0	3762.4	4001.2	4202.6	4409.9
-7.5°	1467.3	1843.5	2194.9	2588.2	2906.8	3225.4	3518.8	3766.3	4000.9	4214.5	4410.6
-10°	1453.0	1830.5	2185.7	2567.4	2895.7	3212.3	3502.9	3757.8	3991.6	4212.1	4406.8
-12.5°	1436.2	1803.6	2166.5	2537.5	2873.0	3187.9	3478.8	3736.3	3974.1	4194.1	4398.0
-15°	1410.9	1767.9	2135.1	2499.5	2838.5	3152.3	3447.5	3701.2	3947.2	4162.5	4371.9
-17.5°	1376.9	1723.6	2090.8	2454.5	2792.1	3105.9	3407.3	3654.8	3899.6	4122.1	4324.2
-20°	1334.1	1671.1	2033.2	2403.2	2733.1	3043.6	3335.6	3594.9	3838.0	4064.4	4276.7

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1282.4	1610.8	1963.9	2334.1	2659.5	2966.5	3255.0	3518.4	3770.4	3989.3	4215.6
-25°	1230.6	1547.1	1887.4	2238.5	2574.0	2879.7	3169.1	3425.7	3683.2	3911.0	4125.9
-27.5°	1180.9	1473.1	1798.5	2133.1	2477.1	2781.4	3068.2	3325.0	3575.0	3823.9	4030.9
-30°	1125.2	1387.5	1701.0	2020.7	2356.0	2665.8	2954.7	3221.2	3459.1	3704.9	3927.2
-32.5°	1063.7	1296.8	1598.1	1905.6	2221.8	2538.4	2824.7	3089.3	3336.9	3569.4	3802.6
-35°	1003.6	1223.5	1489.0	1782.0	2079.6	2390.2	2676.7	2938.8	3195.7	3426.0	3648.9
-37.5°	949.5	1144.1	1373.1	1653.0	1937.4	2231.2	2522.5	2776.3	3020.7	3274.0	3491.3
-40°	891.0	1058.9	1272.7	1520.1	1788.1	2067.6	2346.5	2609.0	2838.8	3089.1	3328.1
-42.5°	829.8	989.5	1173.6	1379.4	1632.4	1895.9	2165.1	2421.9	2660.5	2896.7	3133.6
-45°	776.1	916.0	1072.9	1260.9	1466.9	1714.7	1969.6	2225.6	2454.5	2679.6	2913.5
-47.5°	719.0	842.2	987.2	1137.4	1316.4	1523.6	1763.4	1999.4	2233.9	2447.9	2654.9
-50°	662.2	775.7	894.9	1030.0	1177.8	1345.8	1544.9	1764.3	1978.5	2198.3	2403.3
-52.5°	613.2	705.7	813.4	926.3	1052.7	1191.7	1351.2	1531.5	1726.2	1912.8	2117.4
-55°	562.3	645.8	732.7	832.0	937.3	1054.5	1185.3	1336.9	1485.5	1657.9	1825.0
-57.5°	516.0	586.3	660.5	742.5	833.9	927.8	1042.1	1159.9	1294.8	1428.9	1561.1
-60°	472.3	529.8	592.7	662.1	735.6	819.1	904.4	1005.7	1114.3	1221.3	1333.5
-62.5°	428.2	476.6	527.8	585.5	649.6	712.7	785.6	863.5	943.5	1034.2	1122.7
-65°	382.9	422.0	465.5	513.3	564.4	618.2	674.2	731.9	799.9	866.4	930.7
-67.5°	334.8	368.3	403.4	441.1	484.0	526.2	568.4	617.1	667.2	716.4	767.4
-70°	281.4	313.0	342.3	372.9	404.7	437.8	473.8	509.6	544.9	581.8	622.7
-72.5°	227.2	256.3	282.1	304.6	330.8	358.3	384.6	409.7	436.3	464.3	492.0
-75°	181.2	200.4	223.4	244.5	265.3	284.6	302.0	323.3	345.5	365.9	382.6
-77.5°	141.5	158.9	174.6	188.7	205.3	224.7	241.6	256.1	270.2	285.7	302.0
-80°	102.9	117.4	131.7	144.7	154.3	165.3	178.2	193.1	205.9	216.4	225.9
-82.5°	66.5	76.9	87.6	98.4	102.8	105.9	108.7	113.9	121.8	129.7	137.2
-85°	33.1	36.2	42.7	49.4	51.7	53.3	54.4	55.0	57.7	60.2	62.4
-87.5°	16.6	18.1	19.6	21.1	20.3	19.2	17.9	16.3	15.9	15.4	14.8
-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°	0.9	0.9	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.8	0.5
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.7
65°	1.6	1.5	1.6	1.6	1.4	1.3	1.4	1.4	1.2	1.0	0.7
62.5°	2.9	3.3	2.5	2.5	2.5	2.4	2.3	2.2	2.0	1.9	2.0
60°	18.0	10.6	6.2	7.2	6.5	4.3	5.5	6.5	6.5	6.0	5.3
57.5°	99.9	74.6	55.2	131.8	132.2	63.1	76.0	119.5	98.5	32.3	30.0
55°	277.9	332.3	437.4	415.4	422.2	485.6	530.2	469.4	460.2	490.4	566.5
52.5°	499.2	551.1	586.4	619.5	659.7	703.0	747.5	775.9	802.4	830.6	847.4
50°	637.5	710.6	760.9	742.4	846.5	889.1	845.8	884.5	931.6	944.5	950.6
47.5°	941.2	1048.5	1069.8	1139.0	1201.1	1199.7	1147.0	1150.0	1290.4	1414.3	1475.1
45°	1352.6	1356.3	1423.8	1545.9	1633.1	1605.7	1679.3	1846.7	1902.5	1956.4	2000.5
42.5°	1513.0	1579.4	1687.1	1795.0	1860.1	1916.5	1971.0	2032.6	2104.9	2163.6	2210.5
40°	1668.2	1721.7	1832.0	1918.9	1972.8	2025.5	2089.0	2157.2	2223.4	2275.0	2310.1
37.5°	1907.1	1948.6	1975.4	2056.1	2158.0	2111.0	2231.5	2317.9	2357.4	2409.8	2414.5
35°	2268.5	2240.9	2205.1	2526.4	2545.6	2437.1	2549.8	2683.8	2613.2	2760.3	2839.4
32.5°	2588.9	2584.8	2865.1	3034.0	2936.8	3016.2	3276.1	3264.5	3437.7	3518.1	3495.2
30°	2890.7	2993.7	3155.9	3281.6	3298.5	3423.6	3539.0	3640.1	3744.7	3838.4	3844.8
27.5°	3044.0	3178.3	3288.4	3361.3	3442.4	3547.6	3652.4	3766.3	3855.2	3914.0	3928.3
25°	3136.6	3274.0	3357.3	3435.7	3525.3	3616.1	3733.3	3857.3	3928.8	3965.1	3976.6
22.5°	3218.4	3341.8	3431.4	3494.9	3591.4	3689.1	3798.4	3903.4	3981.0	3996.8	4002.6
20°	3297.0	3415.6	3565.3	3658.8	3654.1	3764.2	3869.5	3953.0	4017.7	4017.4	4018.9
17.5°	3524.6	3566.9	3838.5	4044.7	3942.6	3888.7	4178.5	4184.0	4201.2	4167.0	4092.8
15°	3861.5	3938.6	4272.2	4495.7	4425.4	4421.7	4840.2	4736.4	4825.7	4802.3	4902.9
12.5°	4218.4	4309.7	4559.0	4778.5	4883.0	4908.7	5048.6	5179.5	5206.4	5195.8	5176.1
10°	4461.6	4591.5	4691.7	4824.9	4930.4	5038.0	5119.0	5213.0	5243.8	5226.0	5200.8
7.5°	4493.2	4621.7	4739.2	4856.1	4956.6	5043.3	5127.3	5203.9	5235.2	5224.9	5207.6
5°	4513.3	4629.7	4743.7	4862.3	4958.3	5038.6	5122.4	5200.0	5218.5	5206.0	5189.2
2.5°	4525.8	4633.5	4743.4	4861.5	4948.7	5025.1	5110.0	5192.7	5192.6	5187.1	5177.3
0°	4531.8	4639.8	4767.4	4874.2	4971.9	5044.3	5128.1	5208.6	5202.8	5187.9	5170.7
-2.5°	4544.7	4654.2	4784.3	4872.9	4983.0	5049.3	5136.0	5205.6	5202.9	5195.6	5187.1
-5°	4556.2	4679.3	4801.1	4894.2	5004.6	5091.3	5177.4	5231.9	5234.9	5224.6	5210.2
-7.5°	4563.2	4699.7	4815.9	4909.4	5016.5	5117.3	5204.7	5261.8	5263.1	5249.5	5232.3
-10°	4560.9	4704.9	4824.5	4921.2	5030.8	5130.4	5221.7	5294.3	5291.9	5279.0	5264.3
-12.5°	4552.3	4696.2	4819.0	4915.9	5040.4	5142.9	5245.7	5317.8	5321.6	5311.9	5296.0
-15°	4533.4	4681.9	4801.3	4907.2	5029.2	5149.1	5254.7	5334.2	5348.4	5340.5	5327.9
-17.5°	4495.9	4652.7	4779.3	4893.5	5010.5	5138.3	5258.4	5345.4	5364.7	5361.6	5351.2
-20°	4446.7	4608.6	4737.1	4856.7	4984.1	5115.7	5255.5	5335.0	5363.1	5364.9	5357.8



REPORT NUMBER: P645499 (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°	4391.5	4549.9	4686.4	4803.9	4942.1	5075.3	5201.8	5294.9	5342.2	5351.0	5351.6
-25°	4325.4	4488.1	4623.7	4748.8	4877.3	5014.9	5142.8	5246.7	5294.6	5317.6	5324.7
-27.5°	4231.9	4400.1	4533.5	4665.8	4796.5	4938.6	5073.0	5186.0	5225.0	5256.5	5269.1
-30°	4122.4	4288.7	4424.7	4545.6	4695.2	4840.0	4978.8	5077.4	5136.2	5172.2	5191.9
-32.5°	3996.4	4164.4	4307.1	4433.3	4575.5	4720.3	4850.9	4954.9	5035.9	5077.5	5098.5
-35°	3859.9	4031.3	4180.7	4313.7	4447.5	4585.6	4720.9	4829.7	4922.1	4957.7	4984.1
-37.5°	3695.1	3884.2	4037.4	4174.7	4301.8	4431.6	4572.4	4696.8	4786.4	4821.1	4848.9
-40°	3526.1	3708.9	3863.5	4009.8	4135.6	4277.3	4412.9	4543.2	4621.1	4661.5	4693.0
-42.5°	3347.8	3512.9	3659.9	3802.1	3942.1	4087.9	4223.5	4359.0	4426.3	4475.0	4513.6
-45°	3142.0	3295.6	3438.4	3571.5	3715.8	3859.2	3994.9	4114.5	4194.6	4258.0	4307.3
-47.5°	2867.5	3054.7	3198.1	3324.6	3467.7	3606.1	3737.6	3850.1	3937.9	4012.0	4069.3
-50°	2588.8	2768.4	2930.1	3072.3	3205.0	3333.0	3458.2	3568.3	3661.2	3741.5	3799.5
-52.5°	2314.3	2482.6	2643.0	2789.8	2917.4	3038.2	3152.6	3263.4	3361.5	3447.4	3503.5
-55°	2004.1	2178.4	2337.2	2474.0	2601.5	2720.9	2833.9	2939.0	3035.5	3123.0	3176.8
-57.5°	1713.1	1866.0	2013.7	2140.1	2260.4	2374.1	2481.3	2581.9	2674.7	2757.1	2808.9
-60°	1445.6	1557.1	1684.2	1800.9	1907.6	2004.3	2104.3	2198.1	2283.4	2355.8	2404.1
-62.5°	1209.3	1301.6	1393.4	1482.1	1568.6	1655.6	1739.3	1817.1	1888.3	1947.6	1990.0
-65°	998.6	1072.8	1139.2	1202.1	1262.0	1330.6	1394.2	1454.1	1509.5	1555.0	1587.3
-67.5°	822.3	874.4	920.3	963.4	1010.7	1059.2	1104.6	1144.2	1178.0	1205.0	1226.3
-70°	663.1	701.5	736.1	770.5	805.0	836.5	866.5	895.6	923.3	945.9	962.8
-72.5°	519.3	545.5	569.1	595.6	620.4	644.3	665.1	681.9	694.9	707.6	718.7
-75°	395.9	415.6	442.2	464.6	483.2	499.5	514.6	528.0	539.8	550.2	559.4
-77.5°	318.4	335.2	352.1	368.5	384.3	396.1	407.0	417.9	428.7	437.9	446.1
-80°	236.0	248.5	261.6	274.7	287.8	294.3	299.5	304.3	308.6	314.1	319.2
-82.5°	144.3	151.4	158.6	166.0	173.3	175.2	175.8	175.6	174.6	172.7	169.6
-85°	64.2	64.6	64.4	63.6	62.4	59.9	56.8	53.2	49.1	48.5	47.8
-87.5°	14.1	13.8	13.4	13.0	12.5	12.5	12.4	12.3	12.2	12.6	13.0
-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-SA5B-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	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.0	1.0
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.7	1.0	1.1	1.1
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.7	1.0	1.2	1.4
62.5°	2.1	2.2	2.3	2.3	2.3	2.2	2.1	2.0	1.9	2.0	2.2
60°	4.1	2.7	2.3	2.3	2.3	2.7	4.1	5.3	6.0	6.5	6.5
57.5°	25.4	18.9	16.1	14.9	16.1	18.9	25.4	30.0	32.3	98.5	119.5
55°	621.0	652.6	676.2	687.1	676.2	652.6	621.0	566.5	490.4	460.2	469.4
52.5°	862.2	876.0	883.9	883.6	883.9	876.0	862.2	847.4	830.6	802.4	775.9
50°	961.0	967.7	970.1	968.6	970.1	967.7	961.0	950.6	944.5	931.6	884.5
47.5°	1419.5	1296.7	1206.4	1184.7	1206.4	1296.7	1419.5	1475.1	1414.3	1290.4	1150.0
45°	2021.7	2068.3	2114.7	2129.2	2114.7	2068.3	2021.7	2000.5	1956.4	1902.5	1846.7
42.5°	2230.3	2245.5	2254.1	2254.4	2254.1	2245.5	2230.3	2210.5	2163.6	2104.9	2032.6
40°	2329.8	2344.1	2352.4	2353.2	2352.4	2344.1	2329.8	2310.1	2275.0	2223.4	2157.2
37.5°	2420.2	2432.4	2440.4	2448.6	2440.4	2432.4	2420.2	2414.5	2409.8	2357.4	2317.9
35°	2828.7	2736.2	2603.1	2623.2	2603.1	2736.2	2828.7	2839.4	2760.3	2613.2	2683.8
32.5°	3531.0	3570.0	3594.2	3635.6	3594.2	3570.0	3531.0	3495.2	3518.1	3437.7	3264.5
30°	3855.1	3867.9	3887.4	3907.9	3887.4	3867.9	3855.1	3844.8	3838.4	3744.7	3640.1
27.5°	3935.9	3949.2	3961.1	3969.9	3961.1	3949.2	3935.9	3928.3	3914.0	3855.2	3766.3
25°	3978.3	3986.5	3999.1	4010.1	3999.1	3986.5	3978.3	3976.6	3965.1	3928.8	3857.3
22.5°	3999.3	4000.1	4009.9	4023.9	4009.9	4000.1	3999.3	4002.6	3996.8	3981.0	3903.4
20°	4013.7	4005.9	4016.0	4025.1	4016.0	4005.9	4013.7	4018.9	4017.4	4017.7	3953.0
17.5°	4197.4	4092.6	4049.6	4050.4	4049.6	4092.6	4197.4	4092.8	4167.0	4201.2	4184.0
15°	4790.0	4829.3	4980.1	5061.5	4980.1	4829.3	4790.0	4902.9	4802.3	4825.7	4736.4
12.5°	5172.4	5158.4	5140.5	5164.9	5140.5	5158.4	5172.4	5176.1	5195.8	5206.4	5179.5
10°	5190.1	5188.5	5156.6	5191.3	5156.6	5188.5	5190.1	5200.8	5226.0	5243.8	5213.0
7.5°	5179.3	5180.3	5166.6	5200.5	5166.6	5180.3	5179.3	5207.6	5224.9	5235.2	5203.9
5°	5186.4	5163.1	5171.9	5191.3	5171.9	5163.1	5186.4	5189.2	5206.0	5218.5	5200.0
2.5°	5166.4	5164.0	5146.7	5160.3	5146.7	5164.0	5166.4	5177.3	5187.1	5192.6	5192.7
0°	5151.1	5138.5	5138.5	5150.0	5138.5	5138.5	5151.1	5170.7	5187.9	5202.8	5208.6
-2.5°	5178.3	5175.6	5174.0	5166.1	5174.0	5175.6	5178.3	5187.1	5195.6	5202.9	5205.6
-5°	5200.6	5193.8	5175.0	5200.5	5175.0	5193.8	5200.6	5210.2	5224.6	5234.9	5231.9
-7.5°	5224.7	5207.2	5189.4	5229.3	5189.4	5207.2	5224.7	5232.3	5249.5	5263.1	5261.8
-10°	5246.6	5221.4	5204.0	5243.1	5204.0	5221.4	5246.6	5264.3	5279.0	5291.9	5294.3
-12.5°	5275.6	5246.1	5234.5	5255.7	5234.5	5246.1	5275.6	5296.0	5311.9	5321.6	5317.8
-15°	5306.5	5286.1	5283.4	5295.9	5283.4	5286.1	5306.5	5327.9	5340.5	5348.4	5334.2
-17.5°	5333.7	5319.4	5326.5	5340.7	5326.5	5319.4	5333.7	5351.2	5361.6	5364.7	5345.4
-20°	5346.7	5338.7	5346.7	5382.1	5346.7	5338.7	5346.7	5357.8	5364.9	5363.1	5335.0



REPORT NUMBER: P645499 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	5345.6	5346.1	5360.2	5371.7	5360.2	5346.1	5345.6	5351.6	5351.0	5342.2	5294.9
-25°	5325.2	5336.0	5352.1	5375.2	5352.1	5336.0	5325.2	5324.7	5317.6	5294.6	5246.7
-27.5°	5276.0	5293.9	5310.7	5335.0	5310.7	5293.9	5276.0	5269.1	5256.5	5225.0	5186.0
-30°	5204.9	5226.1	5241.2	5267.2	5241.2	5226.1	5204.9	5191.9	5172.2	5136.2	5077.4
-32.5°	5118.3	5142.3	5160.1	5178.7	5160.1	5142.3	5118.3	5098.5	5077.5	5035.9	4954.9
-35°	5010.1	5036.0	5054.9	5071.8	5054.9	5036.0	5010.1	4984.1	4957.7	4922.1	4829.7
-37.5°	4880.1	4908.0	4929.5	4948.9	4929.5	4908.0	4880.1	4848.9	4821.1	4786.4	4696.8
-40°	4728.7	4757.3	4780.3	4801.8	4780.3	4757.3	4728.7	4693.0	4661.5	4621.1	4543.2
-42.5°	4551.6	4580.5	4604.2	4626.0	4604.2	4580.5	4551.6	4513.6	4475.0	4426.3	4359.0
-45°	4347.1	4376.8	4401.9	4424.9	4401.9	4376.8	4347.1	4307.3	4258.0	4194.6	4114.5
-47.5°	4111.6	4143.4	4164.9	4175.6	4164.9	4143.4	4111.6	4069.3	4012.0	3937.9	3850.1
-50°	3841.6	3873.4	3899.2	3918.2	3899.2	3873.4	3841.6	3799.5	3741.5	3661.2	3568.3
-52.5°	3544.4	3574.7	3596.9	3610.3	3596.9	3574.7	3544.4	3503.5	3447.4	3361.5	3263.4
-55°	3219.1	3250.8	3271.8	3281.6	3271.8	3250.8	3219.1	3176.8	3123.0	3035.5	2939.0
-57.5°	2850.0	2880.1	2902.5	2915.1	2902.5	2880.1	2850.0	2808.9	2757.1	2674.7	2581.9
-60°	2441.8	2468.7	2485.7	2492.3	2485.7	2468.7	2441.8	2404.1	2355.8	2283.4	2198.1
-62.5°	2024.1	2049.6	2065.5	2071.7	2065.5	2049.6	2024.1	1990.0	1947.6	1888.3	1817.1
-65°	1611.3	1627.3	1636.1	1637.4	1636.1	1627.3	1611.3	1587.3	1555.0	1509.5	1454.1
-67.5°	1243.1	1255.2	1262.6	1265.1	1262.6	1255.2	1243.1	1226.3	1205.0	1178.0	1144.2
-70°	975.4	983.8	988.5	989.3	988.5	983.8	975.4	962.8	945.9	923.3	895.6
-72.5°	727.2	733.2	731.1	726.2	731.1	733.2	727.2	718.7	707.6	694.9	681.9
-75°	567.3	573.9	571.2	566.5	571.2	573.9	567.3	559.4	550.2	539.8	528.0
-77.5°	453.2	459.2	456.3	451.6	456.3	459.2	453.2	446.1	437.9	428.7	417.9
-80°	323.7	327.2	329.7	330.9	329.7	327.2	323.7	319.2	314.1	308.6	304.3
-82.5°	165.6	160.8	157.7	154.0	157.7	160.8	165.6	169.6	172.7	174.6	175.6
-85°	46.9	45.8	46.5	47.1	46.5	45.8	46.9	47.8	48.5	49.1	53.2
-87.5°	13.4	13.7	13.8	13.8	13.8	13.7	13.4	13.0	12.6	12.2	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



REPORT NUMBER: P645499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	0.5	0.8	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8
85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.4
65°	1.4	1.3	1.4	1.6	1.6	1.5	1.6	1.6	1.6	1.5	1.4
62.5°	2.3	2.4	2.5	2.5	2.5	3.3	2.9	2.9	2.7	3.3	4.5
60°	5.5	4.3	6.5	7.2	6.2	10.6	18.0	16.2	4.8	26.0	30.0
57.5°	76.0	63.1	132.2	131.8	55.2	74.6	99.9	65.8	43.0	73.7	97.3
55°	530.2	485.6	422.2	415.4	437.4	332.3	277.9	267.4	209.3	136.1	161.6
52.5°	747.5	703.0	659.7	619.5	586.4	551.1	499.2	443.1	425.1	342.3	264.0
50°	845.8	889.1	846.5	742.4	760.9	710.6	637.5	577.8	590.0	539.4	434.9
47.5°	1147.0	1199.7	1201.1	1139.0	1069.8	1048.5	941.2	754.8	767.3	765.2	654.5
45°	1679.3	1605.7	1633.1	1545.9	1423.8	1356.3	1352.6	1153.2	968.6	938.6	927.9
42.5°	1971.0	1916.5	1860.1	1795.0	1687.1	1579.4	1513.0	1400.8	1252.3	1120.8	1074.2
40°	2089.0	2025.5	1972.8	1918.9	1832.0	1721.7	1668.2	1520.9	1409.3	1295.5	1257.6
37.5°	2231.5	2111.0	2158.0	2056.1	1975.4	1948.6	1907.1	1753.7	1506.3	1485.6	1466.4
35°	2549.8	2437.1	2545.6	2526.4	2205.1	2240.9	2268.5	2080.1	1821.0	1680.6	1683.7
32.5°	3276.1	3016.2	2936.8	3034.0	2865.1	2584.8	2588.9	2531.5	2178.0	1973.6	1884.2
30°	3539.0	3423.6	3298.5	3281.6	3155.9	2993.7	2890.7	2752.9	2495.6	2262.3	2109.0
27.5°	3652.4	3547.6	3442.4	3361.3	3288.4	3178.3	3044.0	2882.0	2699.0	2489.9	2341.0
25°	3733.3	3616.1	3525.3	3435.7	3357.3	3274.0	3136.6	2978.9	2808.1	2639.6	2479.7
22.5°	3798.4	3689.1	3591.4	3494.9	3431.4	3341.8	3218.4	3055.5	2940.9	2833.7	2625.8
20°	3869.5	3764.2	3654.1	3658.8	3565.3	3415.6	3297.0	3215.9	3200.2	3079.7	2811.3
17.5°	4178.5	3888.7	3942.6	4044.7	3838.5	3566.9	3524.6	3529.1	3479.3	3367.3	3033.6
15°	4840.2	4421.7	4425.4	4495.7	4272.2	3938.6	3861.5	3852.1	3773.7	3649.8	3268.2
12.5°	5048.6	4908.7	4883.0	4778.5	4559.0	4309.7	4218.4	4168.9	4025.1	3785.3	3437.1
10°	5119.0	5038.0	4930.4	4824.9	4691.7	4591.5	4461.6	4281.8	4077.6	3846.4	3562.9
7.5°	5127.3	5043.3	4956.6	4856.1	4739.2	4621.7	4493.2	4314.6	4117.2	3890.3	3651.6
5°	5122.4	5038.6	4958.3	4862.3	4743.7	4629.7	4513.3	4336.7	4143.9	3919.0	3709.8
2.5°	5110.0	5025.1	4948.7	4861.5	4743.4	4633.5	4525.8	4360.4	4163.0	3942.7	3729.3
0°	5128.1	5044.3	4971.9	4874.2	4767.4	4639.8	4531.8	4384.7	4172.2	3958.4	3736.7
-2.5°	5136.0	5049.3	4983.0	4872.9	4784.3	4654.2	4544.7	4402.6	4189.6	3986.1	3754.4
-5°	5177.4	5091.3	5004.6	4894.2	4801.1	4679.3	4556.2	4409.9	4202.6	4001.2	3762.4
-7.5°	5204.7	5117.3	5016.5	4909.4	4815.9	4699.7	4563.2	4410.6	4214.5	4000.9	3766.3
-10°	5221.7	5130.4	5030.8	4921.2	4824.5	4704.9	4560.9	4406.8	4212.1	3991.6	3757.8
-12.5°	5245.7	5142.9	5040.4	4915.9	4819.0	4696.2	4552.3	4398.0	4194.1	3974.1	3736.3
-15°	5254.7	5149.1	5029.2	4907.2	4801.3	4681.9	4533.4	4371.9	4162.5	3947.2	3701.2
-17.5°	5258.4	5138.3	5010.5	4893.5	4779.3	4652.7	4495.9	4324.2	4122.1	3899.6	3654.8
-20°	5255.5	5115.7	4984.1	4856.7	4737.1	4608.6	4446.7	4276.7	4064.4	3838.0	3594.9



REPORT NUMBER: P645499 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-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°	5201.8	5075.3	4942.1	4803.9	4686.4	4549.9	4391.5	4215.6	3989.3	3770.4	3518.4
-25°	5142.8	5014.9	4877.3	4748.8	4623.7	4488.1	4325.4	4125.9	3911.0	3683.2	3425.7
-27.5°	5073.0	4938.6	4796.5	4665.8	4533.5	4400.1	4231.9	4030.9	3823.9	3575.0	3325.0
-30°	4978.8	4840.0	4695.2	4545.6	4424.7	4288.7	4122.4	3927.2	3704.9	3459.1	3221.2
-32.5°	4850.9	4720.3	4575.5	4433.3	4307.1	4164.4	3996.4	3802.6	3569.4	3336.9	3089.3
-35°	4720.9	4585.6	4447.5	4313.7	4180.7	4031.3	3859.9	3648.9	3426.0	3195.7	2938.8
-37.5°	4572.4	4431.6	4301.8	4174.7	4037.4	3884.2	3695.1	3491.3	3274.0	3020.7	2776.3
-40°	4412.9	4277.3	4135.6	4009.8	3863.5	3708.9	3526.1	3328.1	3089.1	2838.8	2609.0
-42.5°	4223.5	4087.9	3942.1	3802.1	3659.9	3512.9	3347.8	3133.6	2896.7	2660.5	2421.9
-45°	3994.9	3859.2	3715.8	3571.5	3438.4	3295.6	3142.0	2913.5	2679.6	2454.5	2225.6
-47.5°	3737.6	3606.1	3467.7	3324.6	3198.1	3054.7	2867.5	2654.9	2447.9	2233.9	1999.4
-50°	3458.2	3333.0	3205.0	3072.3	2930.1	2768.4	2588.8	2403.3	2198.3	1978.5	1764.3
-52.5°	3152.6	3038.2	2917.4	2789.8	2643.0	2482.6	2314.3	2117.4	1912.8	1726.2	1531.5
-55°	2833.9	2720.9	2601.5	2474.0	2337.2	2178.4	2004.1	1825.0	1657.9	1485.5	1336.9
-57.5°	2481.3	2374.1	2260.4	2140.1	2013.7	1866.0	1713.1	1561.1	1428.9	1294.8	1159.9
-60°	2104.3	2004.3	1907.6	1800.9	1684.2	1557.1	1445.6	1333.5	1221.3	1114.3	1005.7
-62.5°	1739.3	1655.6	1568.6	1482.1	1393.4	1301.6	1209.3	1122.7	1034.2	943.5	863.5
-65°	1394.2	1330.6	1262.0	1202.1	1139.2	1072.8	998.6	930.7	866.4	799.9	731.9
-67.5°	1104.6	1059.2	1010.7	963.4	920.3	874.4	822.3	767.4	716.4	667.2	617.1
-70°	866.5	836.5	805.0	770.5	736.1	701.5	663.1	622.7	581.8	544.9	509.6
-72.5°	665.1	644.3	620.4	595.6	569.1	545.5	519.3	492.0	464.3	436.3	409.7
-75°	514.6	499.5	483.2	464.6	442.2	415.6	395.9	382.6	365.9	345.5	323.3
-77.5°	407.0	396.1	384.3	368.5	352.1	335.2	318.4	302.0	285.7	270.2	256.1
-80°	299.5	294.3	287.8	274.7	261.6	248.5	236.0	225.9	216.4	205.9	193.1
-82.5°	175.8	175.2	173.3	166.0	158.6	151.4	144.3	137.2	129.7	121.8	113.9
-85°	56.8	59.9	62.4	63.6	64.4	64.6	64.2	62.4	60.2	57.7	55.0
-87.5°	12.4	12.5	12.5	13.0	13.4	13.8	14.1	14.8	15.4	15.9	16.3
-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: P645499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.9	1.1	1.2	1.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.8
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.5	1.8	2.0
75°	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.2	1.5	1.8	2.1
72.5°	1.1	1.1	1.1	1.2	1.4	1.4	1.3	1.2	1.5	1.8	2.1
70°	1.3	1.2	1.1	1.3	1.6	1.8	1.8	1.8	1.6	1.8	2.1
67.5°	1.7	1.7	1.6	1.5	1.6	1.9	2.2	2.6	2.5	1.9	2.2
65°	1.7	2.0	2.4	3.2	2.8	2.0	2.3	4.5	3.6	3.0	2.2
62.5°	3.8	2.1	7.3	9.7	5.5	4.3	3.4	10.0	6.3	4.2	3.1
60°	9.0	7.4	20.3	32.5	22.6	7.6	11.2	17.4	16.0	5.5	4.3
57.5°	84.3	29.0	42.0	60.7	59.6	32.3	23.6	31.5	27.1	15.6	6.1
55°	179.9	151.4	100.0	91.5	98.9	79.8	51.9	51.0	41.8	29.0	9.9
52.5°	246.8	257.5	224.2	156.6	136.4	130.0	101.5	73.9	65.7	43.5	25.2
50°	357.3	332.7	329.4	276.5	191.2	173.1	149.8	115.5	92.1	62.2	42.5
47.5°	504.7	443.4	410.8	387.0	305.1	220.6	196.5	158.0	121.3	89.6	60.7
45°	721.2	573.0	510.1	471.6	418.1	310.3	245.9	199.2	158.1	120.3	79.7
42.5°	938.7	740.9	623.5	561.3	505.6	411.6	298.8	246.7	194.0	151.6	103.9
40°	1130.6	913.9	742.7	662.6	591.6	509.4	384.4	297.7	229.1	183.8	131.4
37.5°	1361.6	1111.0	879.8	768.9	683.2	591.1	471.2	350.8	271.3	217.5	158.9
35°	1585.2	1366.1	1033.2	897.2	785.1	674.9	554.8	413.6	323.2	251.8	186.4
32.5°	1825.2	1606.1	1265.0	1040.6	890.6	760.5	633.0	490.0	375.4	286.5	213.9
30°	2014.2	1764.0	1468.4	1184.1	1005.4	856.0	711.1	563.3	427.8	321.5	241.5
27.5°	2114.3	1900.7	1629.0	1344.0	1134.6	954.0	791.5	633.4	480.0	359.9	270.4
25°	2217.9	1996.9	1743.7	1483.8	1262.2	1057.6	871.6	700.1	537.0	403.4	298.9
22.5°	2341.9	2078.8	1840.4	1594.6	1393.8	1162.7	955.6	767.8	594.0	445.9	326.9
20°	2466.3	2154.8	1935.9	1745.4	1522.9	1276.5	1043.4	833.7	647.8	487.4	354.4
17.5°	2596.9	2292.8	2098.0	1892.5	1651.6	1386.7	1129.9	897.6	698.3	527.5	381.0
15°	2824.2	2499.4	2261.2	2035.6	1779.7	1492.7	1214.3	959.0	745.4	566.0	405.8
12.5°	3030.6	2691.8	2424.6	2174.1	1905.6	1593.7	1295.7	1017.4	789.0	596.8	427.9
10°	3201.5	2870.2	2586.1	2306.9	2027.9	1689.2	1373.3	1065.0	815.2	619.7	448.3
7.5°	3341.3	3035.1	2743.6	2433.4	2132.9	1751.5	1412.5	1092.8	835.4	639.2	466.8
5°	3442.4	3145.1	2827.2	2477.4	2165.7	1777.2	1439.1	1115.3	851.8	655.5	483.6
2.5°	3471.5	3178.9	2858.6	2501.6	2187.9	1793.8	1458.1	1132.6	864.4	668.7	498.4
0°	3488.5	3201.2	2878.3	2516.4	2199.3	1801.7	1469.6	1144.4	873.3	679.1	511.3
-2.5°	3512.2	3220.4	2897.3	2554.5	2206.8	1825.8	1476.1	1152.1	884.6	682.8	518.8
-5°	3524.0	3227.9	2906.4	2580.2	2204.8	1840.2	1475.3	1154.6	891.9	684.1	524.3
-7.5°	3518.8	3225.4	2906.8	2588.2	2194.9	1843.5	1467.3	1152.1	894.9	683.2	527.8
-10°	3502.9	3212.3	2895.7	2567.4	2185.7	1830.5	1453.0	1144.8	893.1	680.2	529.1
-12.5°	3478.8	3187.9	2873.0	2537.5	2166.5	1803.6	1436.2	1132.2	885.9	675.5	528.2
-15°	3447.5	3152.3	2838.5	2499.5	2135.1	1767.9	1410.9	1114.0	871.9	670.2	525.1
-17.5°	3407.3	3105.9	2792.1	2454.5	2090.8	1723.6	1376.9	1090.2	854.3	663.7	518.8
-20°	3335.6	3043.6	2733.1	2403.2	2033.2	1671.1	1334.1	1061.0	833.4	654.4	509.8



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CATALOG NUMBER: GFLD-SA5B-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°
-22.5°	3255.0	2966.5	2659.5	2334.1	1963.9	1610.8	1282.4	1026.2	809.3	642.3	498.9
-25°	3169.1	2879.7	2574.0	2238.5	1887.4	1547.1	1230.6	986.0	782.1	627.4	486.3
-27.5°	3068.2	2781.4	2477.1	2133.1	1798.5	1473.1	1180.9	950.4	755.8	609.6	472.0
-30°	2954.7	2665.8	2356.0	2020.7	1701.0	1387.5	1125.2	912.3	733.6	590.1	456.1
-32.5°	2824.7	2538.4	2221.8	1905.6	1598.1	1296.8	1063.7	871.6	707.9	569.5	441.3
-35°	2676.7	2390.2	2079.6	1782.0	1489.0	1223.5	1003.6	828.5	678.8	547.2	425.7
-37.5°	2522.5	2231.2	1937.4	1653.0	1373.1	1144.1	949.5	785.8	646.2	523.3	408.5
-40°	2346.5	2067.6	1788.1	1520.1	1272.7	1058.9	891.0	743.7	615.5	497.9	389.7
-42.5°	2165.1	1895.9	1632.4	1379.4	1173.6	989.5	829.8	698.4	583.0	473.3	369.3
-45°	1969.6	1714.7	1466.9	1260.9	1072.9	916.0	776.1	651.4	548.4	448.2	348.2
-47.5°	1763.4	1523.6	1316.4	1137.4	987.2	842.2	719.0	610.7	512.0	421.2	327.1
-50°	1544.9	1345.8	1177.8	1030.0	894.9	775.7	662.2	568.1	478.7	391.4	305.0
-52.5°	1351.2	1191.7	1052.7	926.3	813.4	705.7	613.2	524.5	444.3	363.0	281.9
-55°	1185.3	1054.5	937.3	832.0	732.7	645.8	562.3	485.7	409.1	334.4	258.5
-57.5°	1042.1	927.8	833.9	742.5	660.5	586.3	516.0	446.1	375.2	304.8	239.9
-60°	904.4	819.1	735.6	662.1	592.7	529.8	472.3	406.5	341.1	275.2	219.3
-62.5°	785.6	712.7	649.6	585.5	527.8	476.6	428.2	367.8	306.0	247.9	197.0
-65°	674.2	618.2	564.4	513.3	465.5	422.0	382.9	328.1	270.8	218.9	173.8
-67.5°	568.4	526.2	484.0	441.1	403.4	368.3	334.8	285.2	234.0	188.4	150.8
-70°	473.8	437.8	404.7	372.9	342.3	313.0	281.4	239.6	195.6	161.1	127.2
-72.5°	384.6	358.3	330.8	304.6	282.1	256.3	227.2	194.6	163.7	133.2	103.2
-75°	302.0	284.6	265.3	244.5	223.4	200.4	181.2	158.4	131.5	104.9	83.1
-77.5°	241.6	224.7	205.3	188.7	174.6	158.9	141.5	121.7	100.3	81.6	64.2
-80°	178.2	165.3	154.3	144.7	131.7	117.4	102.9	88.5	72.9	58.4	45.0
-82.5°	108.7	105.9	102.8	98.4	87.6	76.9	66.5	56.1	45.1	34.9	28.9
-85°	54.4	53.3	51.7	49.4	42.7	36.2	33.1	30.0	26.3	22.7	19.3
-87.5°	17.9	19.2	20.3	21.1	19.6	18.1	16.6	15.0	13.2	11.4	9.7
-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):

	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°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
82.5°	1.8	1.5	1.2	0.9	0.6	0.4	0.0
80°	2.3	2.0	1.6	1.2	0.8	0.5	0.0
77.5°	2.3	2.3	2.0	1.5	1.0	0.6	0.0
75°	2.3	2.4	2.3	1.8	1.2	0.7	0.0
72.5°	2.4	2.5	2.4	2.1	1.4	0.9	0.0
70°	2.4	2.5	2.5	2.3	1.6	1.0	0.0
67.5°	2.7	2.6	2.6	2.4	1.8	1.1	0.0
65°	3.1	3.0	2.7	2.5	2.0	1.2	0.0
62.5°	3.6	3.8	2.9	2.7	2.2	1.3	0.0
60°	4.2	4.6	3.0	2.8	2.4	1.5	0.0
57.5°	7.9	5.5	3.9	2.9	2.6	1.6	0.0
55°	12.5	6.5	4.8	3.0	2.7	1.7	0.0
52.5°	18.0	8.3	5.8	3.1	2.8	1.8	0.0
50°	24.2	14.3	6.9	3.2	2.9	1.9	0.0
47.5°	32.6	20.6	8.0	3.5	3.1	2.0	0.0
45°	49.2	27.4	9.1	4.4	3.2	2.1	0.0
42.5°	66.1	34.6	10.3	5.3	3.4	2.2	0.0
40°	83.5	42.3	13.9	6.4	3.5	2.3	0.0
37.5°	101.2	50.3	19.9	7.8	3.6	2.4	0.0
35°	119.2	62.5	26.0	9.3	3.8	2.5	0.0
32.5°	138.6	76.7	32.1	11.0	3.9	2.6	0.0
30°	160.9	90.8	38.3	12.8	4.1	2.7	0.0
27.5°	182.8	104.7	46.0	14.8	4.2	2.8	0.0
25°	204.1	118.3	53.9	16.8	4.4	2.9	0.0
22.5°	224.8	132.3	61.7	19.0	4.5	2.9	0.0
20°	244.8	147.2	69.5	21.2	4.7	3.0	0.0
17.5°	264.6	161.7	77.1	23.4	4.8	3.1	0.0
15°	283.6	175.6	84.6	25.6	5.0	3.1	0.0
12.5°	301.3	188.9	91.8	27.9	5.1	3.2	0.0
10°	317.8	201.4	98.7	30.1	5.2	3.3	0.0
7.5°	333.0	213.1	105.2	32.2	5.4	3.3	0.0
5°	346.8	223.9	111.3	34.2	5.5	3.3	0.0
2.5°	359.1	233.7	116.8	36.1	5.6	3.4	0.0
0°	370.0	242.4	121.8	37.9	5.7	3.4	0.0
-2.5°	375.4	247.9	126.4	40.4	6.6	3.6	0.0
-5°	379.4	252.3	130.4	42.6	7.5	3.8	0.0
-7.5°	381.9	255.5	133.6	44.7	8.3	4.0	0.0
-10°	383.1	257.5	136.0	46.4	9.2	4.1	0.0
-12.5°	382.9	258.3	137.7	47.9	10.0	4.3	0.0
-15°	381.4	257.9	138.4	49.1	10.7	4.4	0.0
-17.5°	378.6	256.4	138.3	50.0	11.4	4.6	0.0
-20°	374.2	253.7	137.3	50.5	12.0	4.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	368.0	249.8	135.4	50.6	12.6	4.8	0.0
-25°	360.3	243.8	132.5	50.4	13.1	4.8	0.0
-27.5°	351.1	236.3	128.7	49.8	13.6	4.9	0.0
-30°	340.5	227.8	123.8	48.8	13.9	4.9	0.0
-32.5°	328.5	218.3	118.2	47.3	14.2	5.0	0.0
-35°	315.5	207.7	112.0	45.5	14.4	4.9	0.0
-37.5°	301.5	197.2	105.1	43.2	14.5	4.9	0.0
-40°	286.5	187.6	97.5	40.5	14.5	4.9	0.0
-42.5°	270.4	177.3	91.9	37.6	14.4	4.8	0.0
-45°	253.3	166.4	88.0	34.6	14.2	4.7	0.0
-47.5°	235.2	154.9	83.4	31.3	14.0	4.6	0.0
-50°	220.1	142.7	78.1	30.2	13.6	4.5	0.0
-52.5°	205.0	130.0	72.1	29.6	13.2	4.3	0.0
-55°	189.3	120.4	65.5	28.6	12.7	4.1	0.0
-57.5°	173.0	110.6	58.3	27.4	12.0	3.9	0.0
-60°	156.5	99.9	50.7	25.8	11.4	3.7	0.0
-62.5°	141.4	88.3	47.1	24.0	10.7	3.5	0.0
-65°	125.2	76.0	43.0	21.9	9.9	3.2	0.0
-67.5°	108.0	65.7	38.4	19.5	9.1	2.9	0.0
-70°	89.9	57.5	33.4	16.9	8.2	2.6	0.0
-72.5°	76.0	48.7	28.0	14.9	7.3	2.3	0.0
-75°	62.1	39.3	22.3	13.0	6.4	2.0	0.0
-77.5°	47.6	29.5	18.4	10.9	5.4	1.7	0.0
-80°	32.5	22.5	14.9	8.8	4.3	1.4	0.0
-82.5°	23.8	17.0	11.2	6.7	3.3	1.0	0.0
-85°	16.0	11.4	7.5	4.5	2.2	0.7	0.0
-87.5°	8.0	5.7	3.8	2.2	1.1	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)