

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: P645479 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645479 (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-SA4D-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

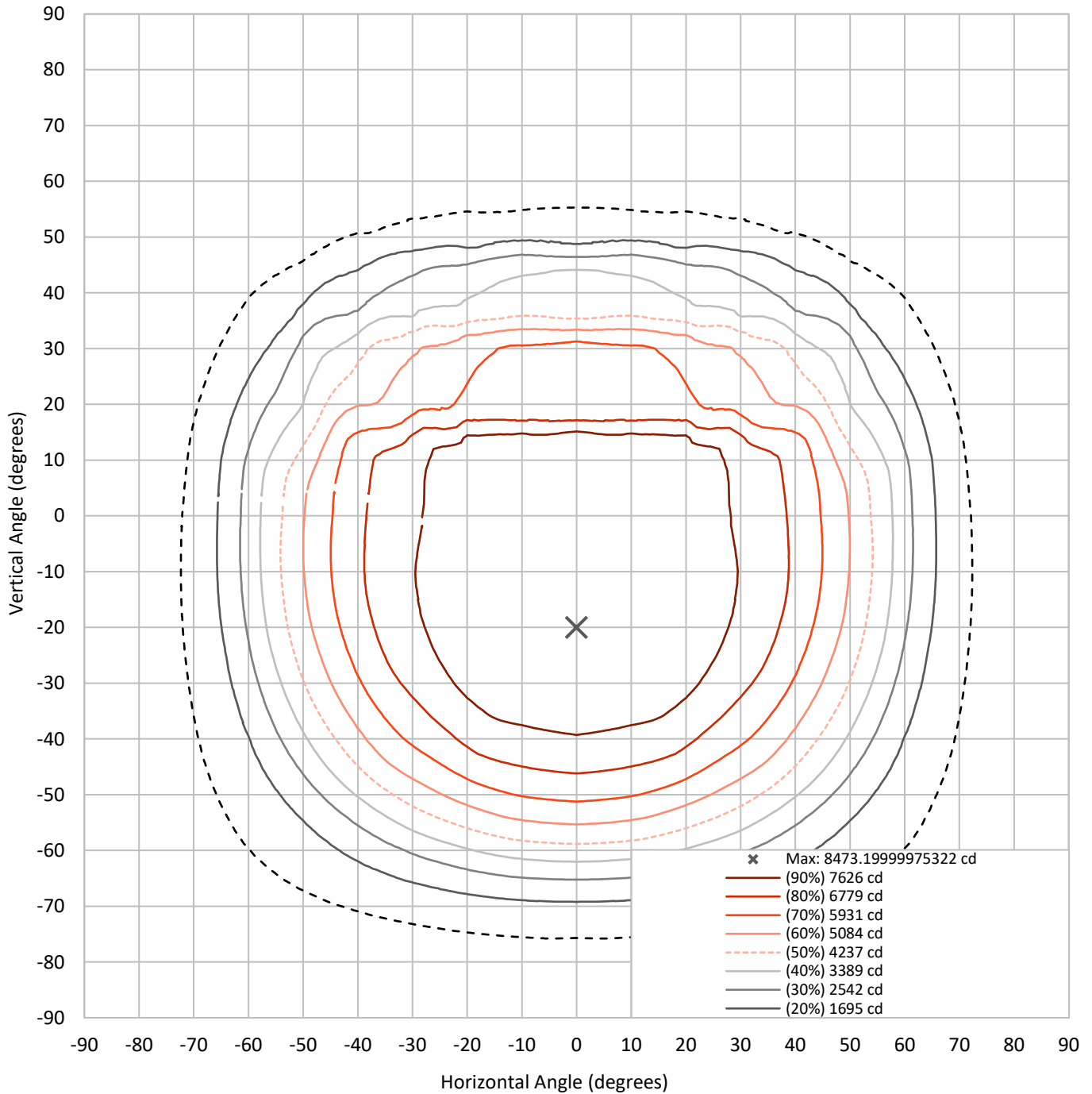
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19867.9 lumens	Max Intensity:	8473.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	89.7 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:	15531.5 lumens	Field Lumens:	19473.3 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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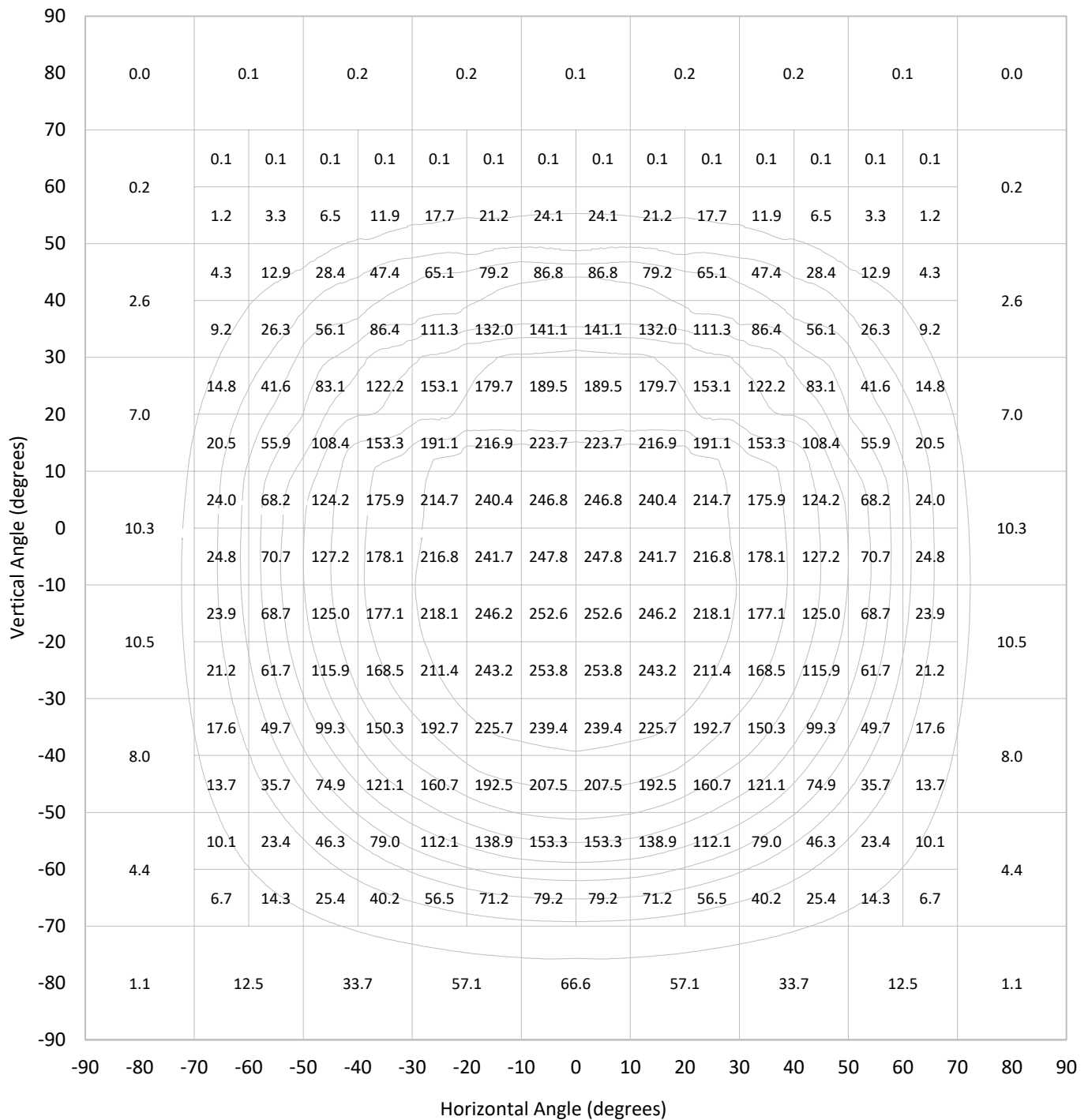
Iso-Candela Plot





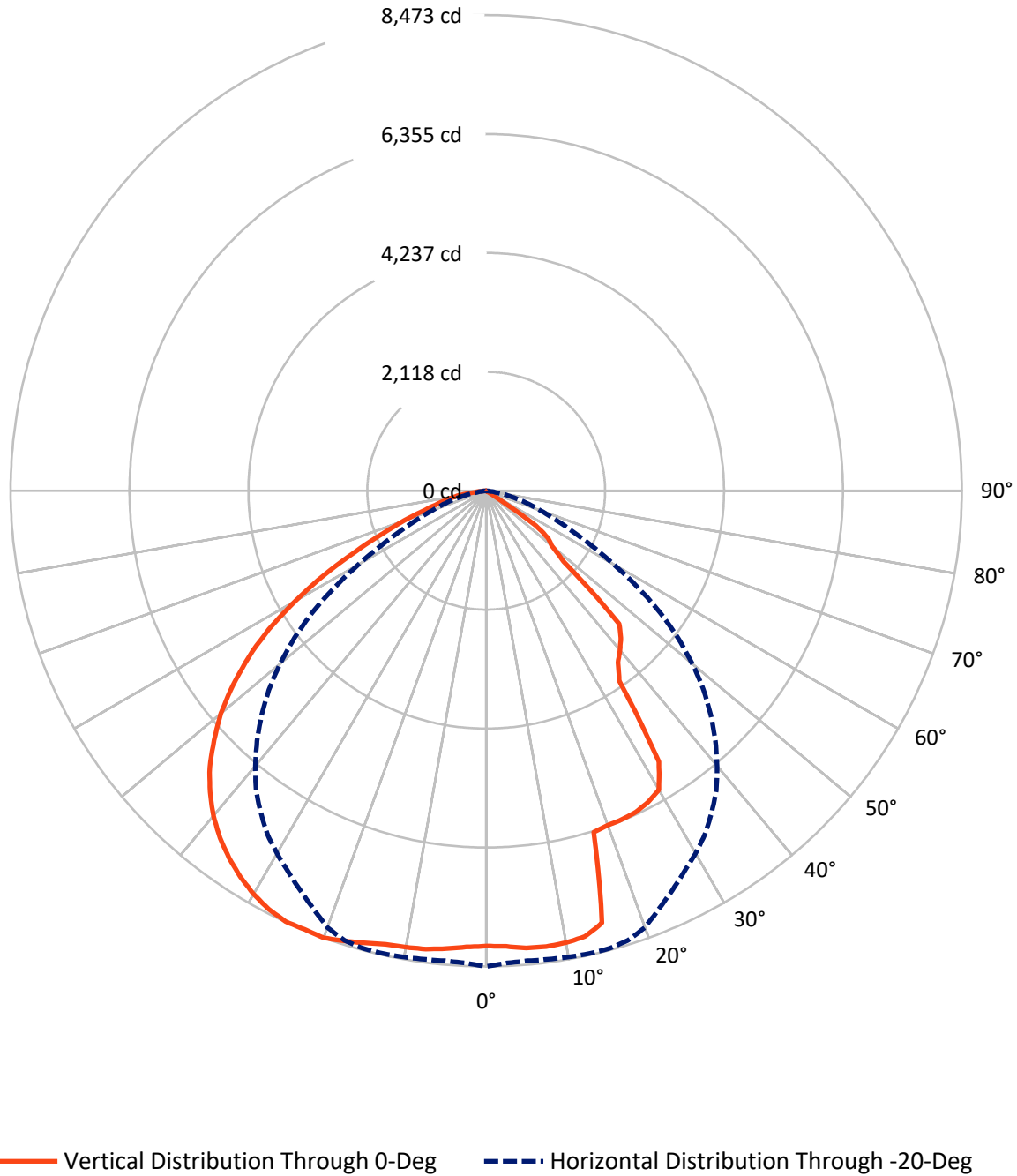
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Lumen Table



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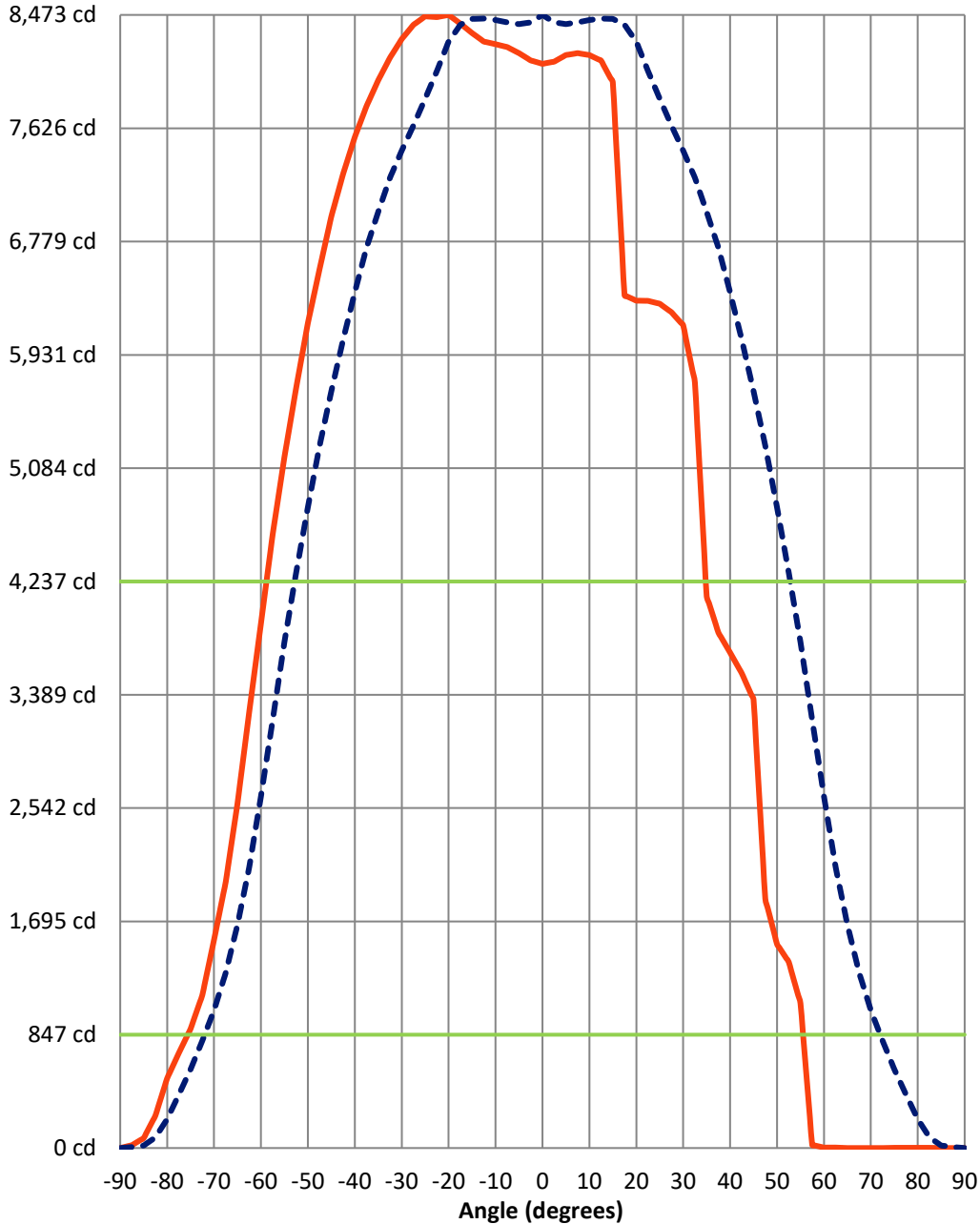
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 15531.5
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 19473.3
 Efficiency: 98.0%

Spill:
 Lumens: 394.5
 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	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.8
85°	0.0	0.4	0.6	0.9	1.2	1.6	1.9	1.9	1.9	1.7	1.5
82.5°	0.0	0.6	0.9	1.4	1.9	2.3	2.8	2.9	2.7	2.3	1.8
80°	0.0	0.8	1.3	1.9	2.5	3.1	3.6	3.2	2.8	2.3	1.9
77.5°	0.0	1.0	1.6	2.3	3.1	3.6	3.6	3.2	2.8	2.3	1.9
75°	0.0	1.2	1.9	2.8	3.6	3.7	3.6	3.3	2.8	2.4	1.9
72.5°	0.0	1.4	2.2	3.2	3.8	3.9	3.7	3.3	2.9	2.4	2.0
70°	0.0	1.6	2.5	3.6	4.0	4.0	3.8	3.3	2.9	2.5	2.9
67.5°	0.0	1.7	2.9	3.8	4.1	4.2	4.2	3.4	3.0	4.0	4.1
65°	0.0	1.9	3.2	4.0	4.3	4.8	4.8	3.4	4.8	5.7	7.1
62.5°	0.0	2.1	3.5	4.2	4.5	6.0	5.7	4.8	6.7	9.9	15.8
60°	0.0	2.3	3.8	4.4	4.7	7.2	6.7	6.8	8.7	25.1	27.3
57.5°	0.0	2.5	4.0	4.5	6.1	8.7	12.4	9.7	24.6	42.7	49.6
55°	0.0	2.7	4.2	4.7	7.6	10.3	19.7	15.6	45.6	65.9	80.3
52.5°	0.0	2.9	4.4	4.9	9.2	13.2	28.3	39.7	68.5	103.4	116.4
50°	0.0	3.0	4.7	5.1	10.9	22.5	38.2	67.0	98.0	145.1	181.9
47.5°	0.0	3.2	4.9	5.6	12.6	32.5	51.3	95.6	141.2	191.0	248.7
45°	0.0	3.4	5.1	7.0	14.4	43.2	77.4	125.6	189.5	249.0	313.6
42.5°	0.0	3.5	5.3	8.4	16.3	54.5	104.2	163.6	238.7	305.4	388.5
40°	0.0	3.7	5.5	10.1	21.9	66.6	131.5	206.9	289.3	360.7	468.6
37.5°	0.0	3.8	5.8	12.3	31.4	79.3	159.3	250.2	342.4	427.2	552.3
35°	0.0	4.0	6.0	14.7	40.9	98.5	187.6	293.5	396.4	508.9	651.1
32.5°	0.0	4.1	6.2	17.4	50.6	120.8	218.3	336.7	451.0	591.0	771.4
30°	0.0	4.3	6.5	20.3	60.4	142.9	253.3	380.2	506.1	673.4	886.9
27.5°	0.0	4.4	6.7	23.3	72.5	164.8	287.7	425.6	566.7	755.6	997.1
25°	0.0	4.5	6.9	26.5	84.9	186.3	321.3	470.5	635.0	845.4	1102.3
22.5°	0.0	4.7	7.2	29.9	97.2	208.2	353.8	514.7	702.0	935.2	1208.7
20°	0.0	4.8	7.4	33.4	109.4	231.8	385.3	557.9	767.2	1019.9	1312.5
17.5°	0.0	4.9	7.6	36.9	121.4	254.6	416.5	599.9	830.4	1099.3	1413.1
15°	0.0	5.0	7.9	40.4	133.2	276.5	446.4	638.9	891.1	1173.5	1509.8
12.5°	0.0	5.1	8.1	43.9	144.5	297.4	474.4	673.7	939.5	1242.1	1601.7
10°	0.0	5.2	8.3	47.4	155.3	317.1	500.3	705.8	975.6	1283.3	1676.6
7.5°	0.0	5.2	8.5	50.7	165.6	335.5	524.2	735.0	1006.3	1315.2	1720.3
5°	0.0	5.3	8.7	53.9	175.1	352.5	545.9	761.3	1032.0	1341.0	1755.9
2.5°	0.0	5.4	8.8	56.9	183.9	368.0	565.3	784.7	1052.8	1360.8	1783.0
0°	0.0	5.4	9.0	59.7	191.7	381.7	582.5	805.0	1069.1	1374.8	1801.7
-2.5°	0.0	5.7	10.4	63.6	199.0	390.4	591.0	816.9	1075.0	1392.5	1813.9
-5°	0.0	6.0	11.8	67.2	205.2	397.3	597.2	825.5	1077.0	1404.1	1817.8
-7.5°	0.0	6.3	13.2	70.4	210.3	402.2	601.2	830.9	1075.5	1408.8	1813.7
-10°	0.0	6.6	14.5	73.1	214.1	405.4	603.0	833.0	1070.9	1406.0	1802.2
-12.5°	0.0	6.8	15.7	75.5	216.7	406.6	602.7	831.6	1063.5	1394.6	1782.4
-15°	0.0	7.0	16.9	77.3	217.9	406.1	600.3	826.7	1055.0	1372.5	1753.7
-17.5°	0.0	7.2	18.0	78.7	217.8	403.6	595.9	816.7	1044.8	1344.9	1716.4
-20°	0.0	7.4	19.0	79.5	216.2	399.3	589.1	802.5	1030.2	1312.0	1670.3

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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	7.6	19.9	79.7	213.2	393.2	579.3	785.4	1011.2	1274.0	1615.6
-25°	0.0	7.7	20.7	79.3	208.6	383.8	567.1	765.6	987.7	1231.2	1552.3
-27.5°	0.0	7.8	21.4	78.4	202.6	372.0	552.7	743.0	959.7	1189.9	1496.2
-30°	0.0	7.8	21.9	76.8	195.0	358.6	536.0	717.9	929.0	1154.9	1436.3
-32.5°	0.0	7.8	22.4	74.5	186.1	343.6	517.1	694.6	896.6	1114.4	1372.2
-35°	0.0	7.8	22.7	71.6	176.2	327.1	496.7	670.2	861.4	1068.5	1304.2
-37.5°	0.0	7.8	22.8	68.0	165.4	310.4	474.7	643.1	823.8	1017.3	1237.1
-40°	0.0	7.7	22.8	63.8	153.5	295.3	451.1	613.5	783.8	968.9	1170.8
-42.5°	0.0	7.6	22.7	59.2	144.6	279.2	425.7	581.4	745.1	917.8	1099.4
-45°	0.0	7.4	22.5	54.6	138.5	262.0	398.8	548.2	705.5	863.3	1025.5
-47.5°	0.0	7.3	22.0	49.3	131.2	243.8	370.4	515.0	663.1	806.1	961.5
-50°	0.0	7.0	21.5	47.5	122.9	224.7	346.6	480.2	616.2	753.6	894.4
-52.5°	0.0	6.8	20.8	46.6	113.6	204.6	322.8	443.8	571.4	699.5	825.7
-55°	0.0	6.5	20.0	45.1	103.2	189.5	298.1	407.0	526.5	644.0	764.7
-57.5°	0.0	6.2	19.0	43.1	91.8	174.1	272.4	377.7	480.0	590.8	702.3
-60°	0.0	5.8	17.9	40.7	79.8	157.2	246.4	345.4	433.4	537.0	640.0
-62.5°	0.0	5.5	16.9	37.8	74.2	139.1	222.6	310.2	390.3	481.8	579.0
-65°	0.0	5.1	15.7	34.5	67.7	119.7	197.1	273.6	344.7	426.3	516.6
-67.5°	0.0	4.6	14.4	30.8	60.5	103.4	170.0	237.4	296.6	368.4	449.1
-70°	0.0	4.2	13.0	26.7	52.6	90.5	141.5	200.3	253.6	307.9	377.3
-72.5°	0.0	3.7	11.6	23.5	44.1	76.6	119.7	162.3	209.7	257.8	306.4
-75°	0.0	3.2	10.0	20.4	35.1	61.9	97.8	130.8	165.1	207.0	249.4
-77.5°	0.0	2.7	8.5	17.2	29.0	46.4	74.9	101.1	128.4	157.9	191.5
-80°	0.0	2.2	6.8	13.9	23.4	35.4	51.1	70.8	91.9	114.8	139.3
-82.5°	0.0	1.6	5.2	10.5	17.7	26.7	37.5	45.5	54.9	71.0	88.4
-85°	0.0	1.1	3.5	7.1	11.9	17.9	25.1	30.4	35.8	41.5	47.3
-87.5°	0.0	0.6	1.7	3.5	6.0	9.0	12.6	15.2	17.9	20.8	23.7
-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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 CATALOG NUMBER: GFLD-SA4D-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°
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	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4	1.4
85°	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	2.1	2.3	2.3	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	2.8	2.9	2.5	2.1	1.8	1.9	2.1	2.0	1.8	1.8	1.8
67.5°	3.5	3.0	2.6	2.5	2.5	2.7	2.6	2.2	1.8	1.8	1.9
65°	3.6	3.1	4.5	5.1	3.8	3.2	2.8	2.3	2.5	2.6	2.6
62.5°	5.4	6.7	8.6	15.3	11.4	3.3	6.0	7.0	5.2	4.3	4.6
60°	17.7	12.0	35.6	51.1	31.9	11.6	14.2	47.2	40.9	7.5	25.6
57.5°	37.2	51.0	93.9	95.6	66.1	45.6	132.7	153.2	116.0	67.7	103.6
55°	81.8	125.7	155.7	144.1	157.4	238.3	283.2	254.4	214.2	329.5	420.9
52.5°	159.8	204.5	214.7	246.6	352.9	405.5	388.5	415.5	538.9	669.2	697.5
50°	235.8	272.5	301.1	435.3	518.5	523.8	562.4	684.6	849.1	928.9	909.6
47.5°	309.4	347.4	480.4	609.3	646.7	697.9	794.5	1030.4	1204.6	1208.0	1188.3
45°	387.2	488.5	658.3	742.4	803.0	902.1	1135.4	1460.7	1477.6	1524.9	1815.6
42.5°	470.4	648.0	796.1	883.5	981.5	1166.3	1477.8	1691.1	1764.5	1971.5	2205.3
40°	605.1	802.0	931.3	1043.1	1169.1	1438.8	1779.9	1979.8	2039.5	2218.6	2394.4
37.5°	741.8	930.6	1075.5	1210.4	1385.1	1749.1	2143.7	2308.6	2338.8	2371.6	2761.0
35°	873.5	1062.4	1236.0	1412.5	1626.7	2150.8	2495.6	2650.7	2645.9	2867.0	3274.7
32.5°	996.6	1197.2	1402.1	1638.2	1991.6	2528.5	2873.5	2966.3	3107.1	3428.8	3985.4
30°	1119.5	1347.6	1582.8	1864.2	2311.8	2777.1	3171.0	3320.4	3561.6	3928.8	4333.9
27.5°	1246.1	1501.8	1786.3	2116.0	2564.5	2992.3	3328.7	3685.6	3920.0	4249.0	4537.2
25°	1372.1	1665.0	1987.1	2336.0	2745.2	3143.8	3491.8	3903.9	4155.7	4420.9	4689.8
22.5°	1504.4	1830.5	2194.3	2510.4	2897.5	3272.7	3686.9	4134.0	4461.3	4629.8	4810.3
20°	1642.6	2009.6	2397.6	2747.8	3047.8	3392.4	3882.8	4426.0	4848.5	5038.2	5062.9
17.5°	1778.8	2183.1	2600.2	2979.4	3303.0	3609.7	4088.5	4775.8	5301.2	5477.6	5556.0
15°	1911.7	2350.0	2801.8	3204.8	3560.0	3935.0	4446.3	5145.3	5746.0	5941.1	6064.5
12.5°	2039.9	2509.1	3000.1	3422.7	3817.2	4237.8	4771.3	5411.2	5959.4	6336.9	6563.3
10°	2162.1	2659.3	3192.5	3631.8	4071.4	4518.7	5040.2	5609.2	6055.5	6419.6	6741.0
7.5°	2223.7	2757.5	3357.8	3830.9	4319.3	4778.3	5260.3	5748.8	6124.7	6481.8	6792.6
5°	2265.7	2797.8	3409.5	3900.3	4451.0	4951.5	5419.5	5840.5	6169.8	6523.8	6827.4
2.5°	2295.6	2824.0	3444.4	3938.2	4500.5	5004.7	5465.4	5871.1	6207.1	6553.9	6864.8
0°	2313.7	2836.4	3462.3	3961.6	4531.4	5039.8	5492.0	5882.7	6231.9	6568.3	6903.0
-2.5°	2323.9	2874.4	3474.2	4021.6	4561.3	5070.0	5529.3	5910.7	6275.5	6595.6	6931.2
-5°	2322.6	2897.0	3471.1	4062.0	4575.6	5081.7	5547.9	5923.3	6299.1	6616.2	6942.7
-7.5°	2310.0	2902.3	3455.5	4074.7	4576.2	5077.7	5539.7	5929.4	6298.8	6634.9	6943.7
-10°	2287.5	2881.8	3441.0	4042.0	4558.7	5057.1	5514.7	5916.1	6284.1	6631.2	6937.7
-12.5°	2261.0	2839.5	3410.8	3994.9	4523.0	5018.7	5476.7	5882.2	6256.6	6602.8	6923.9
-15°	2221.2	2783.2	3361.3	3935.1	4468.7	4962.7	5427.4	5826.9	6214.1	6553.2	6882.8
-17.5°	2167.7	2713.5	3291.5	3864.1	4395.6	4889.7	5364.2	5753.9	6139.3	6489.6	6807.7
-20°	2100.4	2630.9	3200.9	3783.5	4302.7	4791.6	5251.3	5659.4	6042.3	6398.7	6733.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2018.9	2536.0	3091.8	3674.6	4186.9	4670.3	5124.5	5539.1	5935.9	6280.5	6636.7
-25°	1937.3	2435.6	2971.3	3524.0	4052.3	4533.6	4989.2	5393.1	5798.6	6157.1	6495.5
-27.5°	1859.1	2319.2	2831.4	3358.2	3899.8	4378.8	4830.3	5234.6	5628.2	6020.2	6345.9
-30°	1771.4	2184.4	2677.9	3181.2	3709.1	4196.8	4651.7	5071.2	5445.8	5832.8	6182.6
-32.5°	1674.6	2041.6	2515.9	3000.0	3497.9	3996.3	4446.9	4863.6	5253.3	5619.4	5986.6
-35°	1580.0	1926.2	2344.2	2805.5	3274.0	3763.0	4213.9	4626.6	5031.1	5393.7	5744.6
-37.5°	1494.9	1801.2	2161.7	2602.3	3050.1	3512.6	3971.2	4370.7	4755.6	5154.3	5496.4
-40°	1402.8	1667.0	2003.6	2393.1	2815.1	3255.0	3694.1	4107.4	4469.1	4863.1	5239.5
-42.5°	1306.3	1557.8	1847.7	2171.6	2570.0	2984.7	3408.6	3812.9	4188.6	4560.2	4933.2
-45°	1221.8	1442.1	1689.0	1985.0	2309.3	2699.4	3100.7	3503.7	3864.3	4218.5	4586.8
-47.5°	1132.0	1325.8	1554.2	1790.5	2072.5	2398.6	2776.0	3147.7	3516.8	3853.8	4179.8
-50°	1042.5	1221.2	1408.8	1621.6	1854.2	2118.6	2432.1	2777.6	3114.8	3460.8	3783.6
-52.5°	965.4	1111.1	1280.6	1458.2	1657.4	1876.1	2127.2	2411.0	2717.7	3011.4	3333.4
-55°	885.3	1016.7	1153.5	1309.9	1475.6	1660.2	1866.1	2104.6	2338.6	2610.2	2873.1
-57.5°	812.4	923.1	1039.8	1168.9	1312.9	1460.7	1640.6	1826.1	2038.4	2249.5	2457.8
-60°	743.5	834.0	933.1	1042.4	1158.1	1289.6	1423.9	1583.3	1754.3	1922.7	2099.4
-62.5°	674.2	750.3	831.0	921.8	1022.7	1122.0	1236.7	1359.5	1485.4	1628.2	1767.5
-65°	602.9	664.4	732.8	808.1	888.6	973.2	1061.3	1152.3	1259.3	1364.0	1465.2
-67.5°	527.1	579.8	635.1	694.4	761.9	828.4	894.7	971.5	1050.3	1127.8	1208.1
-70°	443.2	492.8	539.0	587.0	637.2	689.3	746.0	802.3	857.8	915.9	980.3
-72.5°	357.8	403.5	444.1	479.6	520.8	564.1	605.5	645.0	687.0	731.0	774.6
-75°	285.3	315.6	351.8	384.9	417.7	448.2	475.5	509.0	544.0	576.0	602.4
-77.5°	222.7	250.2	275.0	297.2	323.3	353.8	380.4	403.3	425.5	449.7	475.4
-80°	162.0	184.8	207.4	228.0	243.0	260.3	280.7	304.0	324.2	340.7	355.6
-82.5°	104.6	121.1	137.9	155.0	162.0	166.7	171.2	179.3	191.8	204.2	216.0
-85°	52.2	56.9	67.2	77.7	81.3	83.9	85.6	86.6	90.8	94.7	98.1
-87.5°	26.1	28.5	30.9	33.2	32.0	30.3	28.2	25.6	25.0	24.3	23.3
-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°	1.5	1.5	1.6	1.6	1.6	1.3	0.8	0.4	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.3	0.9
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.2
65°	2.5	2.5	2.6	2.5	2.2	2.1	2.2	2.2	2.0	1.6	1.1
62.5°	4.5	5.1	4.0	4.0	3.9	3.8	3.6	3.4	3.2	3.0	3.2
60°	28.4	16.7	9.8	11.4	10.2	6.8	8.7	10.2	10.3	9.5	8.3
57.5°	157.2	117.4	86.9	207.5	208.2	99.4	119.7	188.2	155.0	50.9	47.3
55°	437.4	523.2	688.5	654.0	664.7	764.5	834.8	739.0	724.5	772.0	891.8
52.5°	785.8	867.6	923.2	975.2	1038.6	1106.7	1176.8	1221.5	1263.2	1307.6	1334.1
50°	1003.5	1118.7	1197.9	1168.7	1332.6	1399.7	1331.6	1392.5	1466.7	1487.0	1496.6
47.5°	1481.8	1650.7	1684.3	1793.1	1890.9	1888.8	1805.8	1810.6	2031.6	2226.5	2322.3
45°	2129.5	2135.3	2241.5	2433.7	2571.1	2527.8	2643.8	2907.4	2995.1	3079.9	3149.5
42.5°	2381.8	2486.5	2656.0	2825.9	2928.3	3017.2	3103.0	3199.9	3313.8	3406.2	3480.1
40°	2626.2	2710.5	2884.1	3020.9	3105.8	3188.7	3288.7	3396.0	3500.3	3581.5	3636.9
37.5°	3002.3	3067.6	3109.9	3237.0	3397.4	3323.3	3513.1	3649.2	3711.4	3793.9	3801.3
35°	3571.3	3527.8	3471.6	3977.3	4007.5	3836.7	4014.2	4225.2	4114.0	4345.6	4470.1
32.5°	4075.7	4069.2	4510.6	4776.5	4623.5	4748.4	5157.5	5139.4	5412.1	5538.7	5502.6
30°	4550.9	4713.1	4968.4	5166.4	5192.9	5389.8	5571.5	5730.7	5895.3	6042.8	6053.0
27.5°	4792.2	5003.8	5177.1	5291.6	5419.5	5585.2	5750.1	5929.3	6069.3	6161.9	6184.5
25°	4938.1	5154.3	5285.4	5408.8	5550.0	5692.9	5877.6	6072.7	6185.2	6242.3	6260.5
22.5°	5066.8	5261.0	5402.1	5502.2	5654.0	5807.9	5980.0	6145.2	6267.4	6292.3	6301.4
20°	5190.6	5377.3	5612.8	5760.2	5752.8	5926.1	6092.0	6223.4	6325.2	6324.7	6327.1
17.5°	5548.9	5615.5	6043.1	6367.7	6206.9	6122.2	6578.3	6587.0	6614.0	6560.2	6443.5
15°	6079.3	6200.6	6725.9	7077.8	6967.0	6961.2	7620.0	7456.6	7597.2	7560.4	7718.7
12.5°	6641.2	6784.8	7177.4	7522.9	7687.6	7728.0	7948.0	8154.3	8196.6	8179.9	8148.8
10°	7024.0	7228.6	7386.2	7596.0	7762.0	7931.4	8058.9	8207.0	8255.5	8227.5	8187.8
7.5°	7073.8	7276.0	7461.1	7645.1	7803.3	7939.8	8072.1	8192.6	8242.0	8225.7	8198.4
5°	7105.5	7288.7	7468.1	7654.8	7806.0	7932.5	8064.4	8186.5	8215.6	8196.0	8169.5
2.5°	7125.0	7294.6	7467.5	7653.5	7790.8	7911.3	8044.7	8175.0	8174.7	8166.1	8150.7
0°	7134.5	7304.6	7505.4	7673.6	7827.4	7941.3	8073.4	8200.0	8191.0	8167.4	8140.3
-2.5°	7154.8	7327.1	7532.1	7671.5	7844.9	7949.2	8085.7	8195.4	8191.1	8179.6	8166.1
-5°	7173.0	7366.7	7558.5	7705.1	7878.9	8015.3	8151.0	8236.7	8241.3	8225.2	8202.6
-7.5°	7184.0	7398.8	7581.7	7729.0	7897.5	8056.2	8193.9	8283.9	8285.8	8264.4	8237.4
-10°	7180.3	7407.1	7595.3	7747.6	7920.2	8076.9	8220.8	8334.9	8331.2	8310.8	8287.7
-12.5°	7166.8	7393.3	7586.6	7739.2	7935.2	8096.6	8258.4	8371.9	8378.0	8362.7	8337.7
-15°	7137.0	7370.8	7558.9	7725.6	7917.6	8106.3	8272.6	8397.8	8420.1	8407.6	8387.9
-17.5°	7078.1	7324.8	7524.3	7703.9	7888.2	8089.3	8278.4	8415.4	8445.9	8440.9	8424.5
-20°	7000.7	7255.4	7457.8	7646.0	7846.6	8053.7	8273.8	8399.0	8443.3	8446.1	8434.9



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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°	6913.8	7163.1	7377.9	7562.9	7780.4	7990.1	8189.4	8336.0	8410.4	8424.2	8425.1
-25°	6809.6	7065.8	7279.2	7476.2	7678.5	7895.1	8096.4	8260.1	8335.5	8371.6	8382.8
-27.5°	6662.4	6927.1	7137.2	7345.4	7551.3	7774.9	7986.6	8164.5	8225.9	8275.5	8295.3
-30°	6490.0	6751.8	6965.9	7156.3	7391.8	7619.8	7838.3	7993.5	8086.0	8142.8	8173.7
-32.5°	6291.7	6556.0	6780.7	6979.5	7203.4	7431.4	7636.9	7800.6	7928.2	7993.6	8026.7
-35°	6076.7	6346.5	6581.8	6791.2	7001.9	7219.3	7432.2	7603.5	7748.9	7805.1	7846.6
-37.5°	5817.3	6115.0	6356.2	6572.2	6772.4	6976.8	7198.5	7394.3	7535.4	7590.0	7633.8
-40°	5551.3	5839.1	6082.4	6312.7	6510.7	6733.8	6947.4	7152.6	7275.1	7338.7	7388.2
-42.5°	5270.5	5530.5	5761.9	5985.7	6206.1	6435.8	6649.2	6862.4	6968.4	7045.1	7105.9
-45°	4946.5	5188.4	5413.2	5622.7	5849.9	6075.7	6289.2	6477.7	6603.8	6703.6	6781.2
-47.5°	4514.4	4809.1	5034.8	5234.0	5459.3	5677.1	5884.1	6061.3	6199.6	6316.3	6406.5
-50°	4075.6	4358.4	4613.0	4836.8	5045.8	5247.2	5444.3	5617.6	5763.9	5890.4	5981.7
-52.5°	3643.4	3908.4	4161.0	4392.0	4593.0	4783.1	4963.4	5137.8	5292.1	5427.3	5515.7
-55°	3155.1	3429.5	3679.4	3894.9	4095.7	4283.6	4461.6	4627.0	4778.9	4916.6	5001.2
-57.5°	2697.0	2937.8	3170.2	3369.1	3558.6	3737.7	3906.4	4064.7	4210.9	4340.5	4422.2
-60°	2275.9	2451.5	2651.5	2835.2	3003.1	3155.5	3312.9	3460.6	3594.9	3708.8	3784.9
-62.5°	1903.7	2049.1	2193.6	2333.3	2469.5	2606.4	2738.2	2860.7	2972.9	3066.3	3132.9
-65°	1572.1	1688.9	1793.4	1892.4	1986.8	2094.8	2195.0	2289.3	2376.5	2448.1	2498.9
-67.5°	1294.5	1376.6	1448.9	1516.8	1591.2	1667.5	1739.0	1801.3	1854.7	1897.1	1930.6
-70°	1043.9	1104.3	1158.8	1213.0	1267.3	1316.9	1364.2	1410.1	1453.6	1489.1	1515.7
-72.5°	817.5	858.8	895.9	937.6	976.7	1014.4	1047.1	1073.5	1094.0	1114.0	1131.5
-75°	623.3	654.3	696.2	731.5	760.7	786.5	810.2	831.3	849.8	866.2	880.7
-77.5°	501.3	527.6	554.3	580.1	605.0	623.6	640.8	658.0	674.9	689.4	702.3
-80°	371.5	391.2	411.7	432.4	453.1	463.3	471.5	479.1	485.8	494.5	502.6
-82.5°	227.2	238.3	249.7	261.3	272.9	275.8	276.8	276.6	275.0	271.9	267.1
-85°	101.1	101.7	101.4	100.2	98.3	94.3	89.4	83.7	77.4	76.4	75.2
-87.5°	22.2	21.7	21.1	20.5	19.7	19.6	19.5	19.4	19.2	19.9	20.5
-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: P645479 (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	0.9	1.3	1.7	1.7
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.0	0.0	1.0	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.6	1.8	1.8
65°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.2
62.5°	3.3	3.4	3.6	3.6	3.6	3.4	3.3	3.2	3.0	3.2	3.4
60°	6.5	4.3	3.6	3.6	3.6	4.3	6.5	8.3	9.5	10.3	10.2
57.5°	40.0	29.8	25.3	23.5	25.3	29.8	40.0	47.3	50.9	155.0	188.2
55°	977.6	1027.3	1064.5	1081.8	1064.5	1027.3	977.6	891.8	772.0	724.5	739.0
52.5°	1357.3	1379.0	1391.5	1391.1	1391.5	1379.0	1357.3	1334.1	1307.6	1263.2	1221.5
50°	1513.0	1523.5	1527.3	1525.0	1527.3	1523.5	1513.0	1496.6	1487.0	1466.7	1392.5
47.5°	2234.8	2041.4	1899.2	1865.0	1899.2	2041.4	2234.8	2322.3	2226.5	2031.6	1810.6
45°	3182.9	3256.3	3329.3	3352.0	3329.3	3256.3	3182.9	3149.5	3079.9	2995.1	2907.4
42.5°	3511.2	3535.1	3548.6	3549.2	3548.6	3535.1	3511.2	3480.1	3406.2	3313.8	3199.9
40°	3667.9	3690.5	3703.6	3704.7	3703.6	3690.5	3667.9	3636.9	3581.5	3500.3	3396.0
37.5°	3810.3	3829.4	3842.0	3854.9	3842.0	3829.4	3810.3	3801.3	3793.9	3711.4	3649.2
35°	4453.3	4307.6	4098.1	4129.8	4098.1	4307.6	4453.3	4470.1	4345.6	4114.0	4225.2
32.5°	5559.0	5620.2	5658.4	5723.5	5658.4	5620.2	5559.0	5502.6	5538.7	5412.1	5139.4
30°	6069.2	6089.4	6120.1	6152.3	6120.1	6089.4	6069.2	6053.0	6042.8	5895.3	5730.7
27.5°	6196.4	6217.4	6236.0	6249.9	6236.0	6217.4	6196.4	6184.5	6161.9	6069.3	5929.3
25°	6263.1	6276.1	6295.9	6313.3	6295.9	6276.1	6263.1	6260.5	6242.3	6185.2	6072.7
22.5°	6296.2	6297.5	6313.0	6335.0	6313.0	6297.5	6296.2	6301.4	6292.3	6267.4	6145.2
20°	6318.9	6306.5	6322.5	6336.8	6322.5	6306.5	6318.9	6327.1	6324.7	6325.2	6223.4
17.5°	6608.1	6443.1	6375.3	6376.6	6375.3	6443.1	6608.1	6443.5	6560.2	6614.0	6587.0
15°	7541.0	7602.9	7840.2	7968.5	7840.2	7602.9	7541.0	7718.7	7560.4	7597.2	7456.6
12.5°	8143.1	8121.1	8092.9	8131.3	8092.9	8121.1	8143.1	8148.8	8179.9	8196.6	8154.3
10°	8171.0	8168.4	8118.2	8172.9	8118.2	8168.4	8171.0	8187.8	8227.5	8255.5	8207.0
7.5°	8153.8	8155.4	8134.0	8187.3	8134.0	8155.4	8153.8	8198.4	8225.7	8242.0	8192.6
5°	8165.2	8128.4	8142.3	8172.9	8142.3	8128.4	8165.2	8169.5	8196.0	8215.6	8186.5
2.5°	8133.5	8129.8	8102.7	8124.0	8102.7	8129.8	8133.5	8150.7	8166.1	8174.7	8175.0
0°	8109.6	8089.7	8089.7	8107.7	8089.7	8089.7	8109.6	8140.3	8167.4	8191.0	8200.0
-2.5°	8152.4	8148.2	8145.6	8133.1	8145.6	8148.2	8152.4	8166.1	8179.6	8191.1	8195.4
-5°	8187.5	8176.7	8147.1	8187.3	8147.1	8176.7	8187.5	8202.6	8225.2	8241.3	8236.7
-7.5°	8225.4	8197.9	8169.7	8232.6	8169.7	8197.9	8225.4	8237.4	8264.4	8285.8	8283.9
-10°	8259.9	8220.2	8192.8	8254.3	8192.8	8220.2	8259.9	8287.7	8310.8	8331.2	8334.9
-12.5°	8305.5	8259.1	8240.8	8274.2	8240.8	8259.1	8305.5	8337.7	8362.7	8378.0	8371.9
-15°	8354.2	8322.1	8317.8	8337.5	8317.8	8322.1	8354.2	8387.9	8407.6	8420.1	8397.8
-17.5°	8397.0	8374.5	8385.7	8408.0	8385.7	8374.5	8397.0	8424.5	8440.9	8445.9	8415.4
-20°	8417.4	8404.8	8417.4	8473.2	8417.4	8404.8	8417.4	8434.9	8446.1	8443.3	8399.0



REPORT NUMBER: P645479 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	8415.7	8416.5	8438.6	8456.9	8438.6	8416.5	8415.7	8425.1	8424.2	8410.4	8336.0
-25°	8383.6	8400.5	8425.9	8462.3	8425.9	8400.5	8383.6	8382.8	8371.6	8335.5	8260.1
-27.5°	8306.2	8334.2	8360.8	8399.0	8360.8	8334.2	8306.2	8295.3	8275.5	8225.9	8164.5
-30°	8194.2	8227.6	8251.3	8292.3	8251.3	8227.6	8194.2	8173.7	8142.8	8086.0	7993.5
-32.5°	8057.9	8095.7	8123.7	8153.0	8123.7	8095.7	8057.9	8026.7	7993.6	7928.2	7800.6
-35°	7887.6	7928.3	7958.1	7984.7	7958.1	7928.3	7887.6	7846.6	7805.1	7748.9	7603.5
-37.5°	7682.9	7726.8	7760.7	7791.2	7760.7	7726.8	7682.9	7633.8	7590.0	7535.4	7394.3
-40°	7444.5	7489.5	7525.7	7559.6	7525.7	7489.5	7444.5	7388.2	7338.7	7275.1	7152.6
-42.5°	7165.7	7211.2	7248.5	7282.9	7248.5	7211.2	7165.7	7105.9	7045.1	6968.4	6862.4
-45°	6843.7	6890.5	6930.0	6966.3	6930.0	6890.5	6843.7	6781.2	6703.6	6603.8	6477.7
-47.5°	6473.0	6523.0	6556.8	6573.7	6556.8	6523.0	6473.0	6406.5	6316.3	6199.6	6061.3
-50°	6047.9	6098.0	6138.6	6168.5	6138.6	6098.0	6047.9	5981.7	5890.4	5763.9	5617.6
-52.5°	5580.1	5627.7	5662.6	5683.7	5662.6	5627.7	5580.1	5515.7	5427.3	5292.1	5137.8
-55°	5067.8	5117.7	5150.9	5166.4	5150.9	5117.7	5067.8	5001.2	4916.6	4778.9	4627.0
-57.5°	4486.9	4534.3	4569.4	4589.3	4569.4	4534.3	4486.9	4422.2	4340.5	4210.9	4064.7
-60°	3844.1	3886.5	3913.2	3923.6	3913.2	3886.5	3844.1	3784.9	3708.8	3594.9	3460.6
-62.5°	3186.7	3226.8	3251.8	3261.5	3251.8	3226.8	3186.7	3132.9	3066.3	2972.9	2860.7
-65°	2536.7	2561.9	2575.8	2577.8	2575.8	2561.9	2536.7	2498.9	2448.1	2376.5	2289.3
-67.5°	1957.0	1976.2	1987.8	1991.7	1987.8	1976.2	1957.0	1930.6	1897.1	1854.7	1801.3
-70°	1535.6	1548.7	1556.2	1557.5	1556.2	1548.7	1535.6	1515.7	1489.1	1453.6	1410.1
-72.5°	1144.8	1154.3	1151.0	1143.3	1151.0	1154.3	1144.8	1131.5	1114.0	1094.0	1073.5
-75°	893.1	903.5	899.2	891.8	899.2	903.5	893.1	880.7	866.2	849.8	831.3
-77.5°	713.5	723.0	718.3	710.9	718.3	723.0	713.5	702.3	689.4	674.9	658.0
-80°	509.5	515.1	519.0	521.0	519.0	515.1	509.5	502.6	494.5	485.8	479.1
-82.5°	260.8	253.2	248.3	242.4	248.3	253.2	260.8	267.1	271.9	275.0	276.6
-85°	73.8	72.0	73.2	74.2	73.2	72.0	73.8	75.2	76.4	77.4	83.7
-87.5°	21.1	21.6	21.7	21.7	21.7	21.6	21.1	20.5	19.9	19.2	19.4
-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: P645479 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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	1.3	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3
85°	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8	1.8	2.2
65°	2.2	2.1	2.2	2.5	2.6	2.5	2.5	2.6	2.6	2.5	2.3
62.5°	3.6	3.8	3.9	4.0	4.0	5.1	4.5	4.6	4.3	5.2	7.0
60°	8.7	6.8	10.2	11.4	9.8	16.7	28.4	25.6	7.5	40.9	47.2
57.5°	119.7	99.4	208.2	207.5	86.9	117.4	157.2	103.6	67.7	116.0	153.2
55°	834.8	764.5	664.7	654.0	688.5	523.2	437.4	420.9	329.5	214.2	254.4
52.5°	1176.8	1106.7	1038.6	975.2	923.2	867.6	785.8	697.5	669.2	538.9	415.5
50°	1331.6	1399.7	1332.6	1168.7	1197.9	1118.7	1003.5	909.6	928.9	849.1	684.6
47.5°	1805.8	1888.8	1890.9	1793.1	1684.3	1650.7	1481.8	1188.3	1208.0	1204.6	1030.4
45°	2643.8	2527.8	2571.1	2433.7	2241.5	2135.3	2129.5	1815.6	1524.9	1477.6	1460.7
42.5°	3103.0	3017.2	2928.3	2825.9	2656.0	2486.5	2381.8	2205.3	1971.5	1764.5	1691.1
40°	3288.7	3188.7	3105.8	3020.9	2884.1	2710.5	2626.2	2394.4	2218.6	2039.5	1979.8
37.5°	3513.1	3323.3	3397.4	3237.0	3109.9	3067.6	3002.3	2761.0	2371.6	2338.8	2308.6
35°	4014.2	3836.7	4007.5	3977.3	3471.6	3527.8	3571.3	3274.7	2867.0	2645.9	2650.7
32.5°	5157.5	4748.4	4623.5	4776.5	4510.6	4069.2	4075.7	3985.4	3428.8	3107.1	2966.3
30°	5571.5	5389.8	5192.9	5166.4	4968.4	4713.1	4550.9	4333.9	3928.8	3561.6	3320.4
27.5°	5750.1	5585.2	5419.5	5291.6	5177.1	5003.8	4792.2	4537.2	4249.0	3920.0	3685.6
25°	5877.6	5692.9	5550.0	5408.8	5285.4	5154.3	4938.1	4689.8	4420.9	4155.7	3903.9
22.5°	5980.0	5807.9	5654.0	5502.2	5402.1	5261.0	5066.8	4810.3	4629.8	4461.3	4134.0
20°	6092.0	5926.1	5752.8	5760.2	5612.8	5377.3	5190.6	5062.9	5038.2	4848.5	4426.0
17.5°	6578.3	6122.2	6206.9	6367.7	6043.1	5615.5	5548.9	5556.0	5477.6	5301.2	4775.8
15°	7620.0	6961.2	6967.0	7077.8	6725.9	6200.6	6079.3	6064.5	5941.1	5746.0	5145.3
12.5°	7948.0	7728.0	7687.6	7522.9	7177.4	6784.8	6641.2	6563.3	6336.9	5959.4	5411.2
10°	8058.9	7931.4	7762.0	7596.0	7386.2	7228.6	7024.0	6741.0	6419.6	6055.5	5609.2
7.5°	8072.1	7939.8	7803.3	7645.1	7461.1	7276.0	7073.8	6792.6	6481.8	6124.7	5748.8
5°	8064.4	7932.5	7806.0	7654.8	7468.1	7288.7	7105.5	6827.4	6523.8	6169.8	5840.5
2.5°	8044.7	7911.3	7790.8	7653.5	7467.5	7294.6	7125.0	6864.8	6553.9	6207.1	5871.1
0°	8073.4	7941.3	7827.4	7673.6	7505.4	7304.6	7134.5	6903.0	6568.3	6231.9	5882.7
-2.5°	8085.7	7949.2	7844.9	7671.5	7532.1	7327.1	7154.8	6931.2	6595.6	6275.5	5910.7
-5°	8151.0	8015.3	7878.9	7705.1	7558.5	7366.7	7173.0	6942.7	6616.2	6299.1	5923.3
-7.5°	8193.9	8056.2	7897.5	7729.0	7581.7	7398.8	7184.0	6943.7	6634.9	6298.8	5929.4
-10°	8220.8	8076.9	7920.2	7747.6	7595.3	7407.1	7180.3	6937.7	6631.2	6284.1	5916.1
-12.5°	8258.4	8096.6	7935.2	7739.2	7586.6	7393.3	7166.8	6923.9	6602.8	6256.6	5882.2
-15°	8272.6	8106.3	7917.6	7725.6	7558.9	7370.8	7137.0	6882.8	6553.2	6214.1	5826.9
-17.5°	8278.4	8089.3	7888.2	7703.9	7524.3	7324.8	7078.1	6807.7	6489.6	6139.3	5753.9
-20°	8273.8	8053.7	7846.6	7646.0	7457.8	7255.4	7000.7	6733.0	6398.7	6042.3	5659.4



REPORT NUMBER: P645479 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	8189.4	7990.1	7780.4	7562.9	7377.9	7163.1	6913.8	6636.7	6280.5	5935.9	5539.1
-25°	8096.4	7895.1	7678.5	7476.2	7279.2	7065.8	6809.6	6495.5	6157.1	5798.6	5393.1
-27.5°	7986.6	7774.9	7551.3	7345.4	7137.2	6927.1	6662.4	6345.9	6020.2	5628.2	5234.6
-30°	7838.3	7619.8	7391.8	7156.3	6965.9	6751.8	6490.0	6182.6	5832.8	5445.8	5071.2
-32.5°	7636.9	7431.4	7203.4	6979.5	6780.7	6556.0	6291.7	5986.6	5619.4	5253.3	4863.6
-35°	7432.2	7219.3	7001.9	6791.2	6581.8	6346.5	6076.7	5744.6	5393.7	5031.1	4626.6
-37.5°	7198.5	6976.8	6772.4	6572.2	6356.2	6115.0	5817.3	5496.4	5154.3	4755.6	4370.7
-40°	6947.4	6733.8	6510.7	6312.7	6082.4	5839.1	5551.3	5239.5	4863.1	4469.1	4107.4
-42.5°	6649.2	6435.8	6206.1	5985.7	5761.9	5530.5	5270.5	4933.2	4560.2	4188.6	3812.9
-45°	6289.2	6075.7	5849.9	5622.7	5413.2	5188.4	4946.5	4586.8	4218.5	3864.3	3503.7
-47.5°	5884.1	5677.1	5459.3	5234.0	5034.8	4809.1	4514.4	4179.8	3853.8	3516.8	3147.7
-50°	5444.3	5247.2	5045.8	4836.8	4613.0	4358.4	4075.6	3783.6	3460.8	3114.8	2777.6
-52.5°	4963.4	4783.1	4593.0	4392.0	4161.0	3908.4	3643.4	3333.4	3011.4	2717.7	2411.0
-55°	4461.6	4283.6	4095.7	3894.9	3679.4	3429.5	3155.1	2873.1	2610.2	2338.6	2104.6
-57.5°	3906.4	3737.7	3558.6	3369.1	3170.2	2937.8	2697.0	2457.8	2249.5	2038.4	1826.1
-60°	3312.9	3155.5	3003.1	2835.2	2651.5	2451.5	2275.9	2099.4	1922.7	1754.3	1583.3
-62.5°	2738.2	2606.4	2469.5	2333.3	2193.6	2049.1	1903.7	1767.5	1628.2	1485.4	1359.5
-65°	2195.0	2094.8	1986.8	1892.4	1793.4	1688.9	1572.1	1465.2	1364.0	1259.3	1152.3
-67.5°	1739.0	1667.5	1591.2	1516.8	1448.9	1376.6	1294.5	1208.1	1127.8	1050.3	971.5
-70°	1364.2	1316.9	1267.3	1213.0	1158.8	1104.3	1043.9	980.3	915.9	857.8	802.3
-72.5°	1047.1	1014.4	976.7	937.6	895.9	858.8	817.5	774.6	731.0	687.0	645.0
-75°	810.2	786.5	760.7	731.5	696.2	654.3	623.3	602.4	576.0	544.0	509.0
-77.5°	640.8	623.6	605.0	580.1	554.3	527.6	501.3	475.4	449.7	425.5	403.3
-80°	471.5	463.3	453.1	432.4	411.7	391.2	371.5	355.6	340.7	324.2	304.0
-82.5°	276.8	275.8	272.9	261.3	249.7	238.3	227.2	216.0	204.2	191.8	179.3
-85°	89.4	94.3	98.3	100.2	101.4	101.7	101.1	98.1	94.7	90.8	86.6
-87.5°	19.5	19.6	19.7	20.5	21.1	21.7	22.2	23.3	24.3	25.0	25.6
-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: P645479 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	1.2	1.2	1.1	1.0	1.0	0.9	0.8	0.8	0.9	0.9	0.9
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.5	1.7	1.9	1.9
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.7	2.9
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.8	3.2
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.8	3.2
75°	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.9	2.4	2.8	3.3
72.5°	1.8	1.8	1.8	2.0	2.3	2.3	2.1	2.0	2.4	2.9	3.3
70°	2.1	1.9	1.8	2.1	2.5	2.9	2.8	2.9	2.5	2.9	3.3
67.5°	2.6	2.7	2.5	2.5	2.6	3.0	3.5	4.1	4.0	3.0	3.4
65°	2.8	3.2	3.8	5.1	4.5	3.1	3.6	7.1	5.7	4.8	3.4
62.5°	6.0	3.3	11.4	15.3	8.6	6.7	5.4	15.8	9.9	6.7	4.8
60°	14.2	11.6	31.9	51.1	35.6	12.0	17.7	27.3	25.1	8.7	6.8
57.5°	132.7	45.6	66.1	95.6	93.9	51.0	37.2	49.6	42.7	24.6	9.7
55°	283.2	238.3	157.4	144.1	155.7	125.7	81.8	80.3	65.9	45.6	15.6
52.5°	388.5	405.5	352.9	246.6	214.7	204.5	159.8	116.4	103.4	68.5	39.7
50°	562.4	523.8	518.5	435.3	301.1	272.5	235.8	181.9	145.1	98.0	67.0
47.5°	794.5	697.9	646.7	609.3	480.4	347.4	309.4	248.7	191.0	141.2	95.6
45°	1135.4	902.1	803.0	742.4	658.3	488.5	387.2	313.6	249.0	189.5	125.6
42.5°	1477.8	1166.3	981.5	883.5	796.1	648.0	470.4	388.5	305.4	238.7	163.6
40°	1779.9	1438.8	1169.1	1043.1	931.3	802.0	605.1	468.6	360.7	289.3	206.9
37.5°	2143.7	1749.1	1385.1	1210.4	1075.5	930.6	741.8	552.3	427.2	342.4	250.2
35°	2495.6	2150.8	1626.7	1412.5	1236.0	1062.4	873.5	651.1	508.9	396.4	293.5
32.5°	2873.5	2528.5	1991.6	1638.2	1402.1	1197.2	996.6	771.4	591.0	451.0	336.7
30°	3171.0	2777.1	2311.8	1864.2	1582.8	1347.6	1119.5	886.9	673.4	506.1	380.2
27.5°	3328.7	2992.3	2564.5	2116.0	1786.3	1501.8	1246.1	997.1	755.6	566.7	425.6
25°	3491.8	3143.8	2745.2	2336.0	1987.1	1665.0	1372.1	1102.3	845.4	635.0	470.5
22.5°	3686.9	3272.7	2897.5	2510.4	2194.3	1830.5	1504.4	1208.7	935.2	702.0	514.7
20°	3882.8	3392.4	3047.8	2747.8	2397.6	2009.6	1642.6	1312.5	1019.9	767.2	557.9
17.5°	4088.5	3609.7	3303.0	2979.4	2600.2	2183.1	1778.8	1413.1	1099.3	830.4	599.9
15°	4446.3	3935.0	3560.0	3204.8	2801.8	2350.0	1911.7	1509.8	1173.5	891.1	638.9
12.5°	4771.3	4237.8	3817.2	3422.7	3000.1	2509.1	2039.9	1601.7	1242.1	939.5	673.7
10°	5040.2	4518.7	4071.4	3631.8	3192.5	2659.3	2162.1	1676.6	1283.3	975.6	705.8
7.5°	5260.3	4778.3	4319.3	3830.9	3357.8	2757.5	2223.7	1720.3	1315.2	1006.3	735.0
5°	5419.5	4951.5	4451.0	3900.3	3409.5	2797.8	2265.7	1755.9	1341.0	1032.0	761.3
2.5°	5465.4	5004.7	4500.5	3938.2	3444.4	2824.0	2295.6	1783.0	1360.8	1052.8	784.7
0°	5492.0	5039.8	4531.4	3961.6	3462.3	2836.4	2313.7	1801.7	1374.8	1069.1	805.0
-2.5°	5529.3	5070.0	4561.3	4021.6	3474.2	2874.4	2323.9	1813.9	1392.5	1075.0	816.9
-5°	5547.9	5081.7	4575.6	4062.0	3471.1	2897.0	2322.6	1817.8	1404.1	1077.0	825.5
-7.5°	5539.7	5077.7	4576.2	4074.7	3455.5	2902.3	2310.0	1813.7	1408.8	1075.5	830.9
-10°	5514.7	5057.1	4558.7	4042.0	3441.0	2881.8	2287.5	1802.2	1406.0	1070.9	833.0
-12.5°	5476.7	5018.7	4523.0	3994.9	3410.8	2839.5	2261.0	1782.4	1394.6	1063.5	831.6
-15°	5427.4	4962.7	4468.7	3935.1	3361.3	2783.2	2221.2	1753.7	1372.5	1055.0	826.7
-17.5°	5364.2	4889.7	4395.6	3864.1	3291.5	2713.5	2167.7	1716.4	1344.9	1044.8	816.7
-20°	5251.3	4791.6	4302.7	3783.5	3200.9	2630.9	2100.4	1670.3	1312.0	1030.2	802.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5124.5	4670.3	4186.9	3674.6	3091.8	2536.0	2018.9	1615.6	1274.0	1011.2	785.4
-25°	4989.2	4533.6	4052.3	3524.0	2971.3	2435.6	1937.3	1552.3	1231.2	987.7	765.6
-27.5°	4830.3	4378.8	3899.8	3358.2	2831.4	2319.2	1859.1	1496.2	1189.9	959.7	743.0
-30°	4651.7	4196.8	3709.1	3181.2	2677.9	2184.4	1771.4	1436.3	1154.9	929.0	717.9
-32.5°	4446.9	3996.3	3497.9	3000.0	2515.9	2041.6	1674.6	1372.2	1114.4	896.6	694.6
-35°	4213.9	3763.0	3274.0	2805.5	2344.2	1926.2	1580.0	1304.2	1068.5	861.4	670.2
-37.5°	3971.2	3512.6	3050.1	2602.3	2161.7	1801.2	1494.9	1237.1	1017.3	823.8	643.1
-40°	3694.1	3255.0	2815.1	2393.1	2003.6	1667.0	1402.8	1170.8	968.9	783.8	613.5
-42.5°	3408.6	2984.7	2570.0	2171.6	1847.7	1557.8	1306.3	1099.4	917.8	745.1	581.4
-45°	3100.7	2699.4	2309.3	1985.0	1689.0	1442.1	1221.8	1025.5	863.3	705.5	548.2
-47.5°	2776.0	2398.6	2072.5	1790.5	1554.2	1325.8	1132.0	961.5	806.1	663.1	515.0
-50°	2432.1	2118.6	1854.2	1621.6	1408.8	1221.2	1042.5	894.4	753.6	616.2	480.2
-52.5°	2127.2	1876.1	1657.4	1458.2	1280.6	1111.1	965.4	825.7	699.5	571.4	443.8
-55°	1866.1	1660.2	1475.6	1309.9	1153.5	1016.7	885.3	764.7	644.0	526.5	407.0
-57.5°	1640.6	1460.7	1312.9	1168.9	1039.8	923.1	812.4	702.3	590.8	480.0	377.7
-60°	1423.9	1289.6	1158.1	1042.4	933.1	834.0	743.5	640.0	537.0	433.4	345.4
-62.5°	1236.7	1122.0	1022.7	921.8	831.0	750.3	674.2	579.0	481.8	390.3	310.2
-65°	1061.3	973.2	888.6	808.1	732.8	664.4	602.9	516.6	426.3	344.7	273.6
-67.5°	894.7	828.4	761.9	694.4	635.1	579.8	527.1	449.1	368.4	296.6	237.4
-70°	746.0	689.3	637.2	587.0	539.0	492.8	443.2	377.3	307.9	253.6	200.3
-72.5°	605.5	564.1	520.8	479.6	444.1	403.5	357.8	306.4	257.8	209.7	162.3
-75°	475.5	448.2	417.7	384.9	351.8	315.6	285.3	249.4	207.0	165.1	130.8
-77.5°	380.4	353.8	323.3	297.2	275.0	250.2	222.7	191.5	157.9	128.4	101.1
-80°	280.7	260.3	243.0	228.0	207.4	184.8	162.0	139.3	114.8	91.9	70.8
-82.5°	171.2	166.7	162.0	155.0	137.9	121.1	104.6	88.4	71.0	54.9	45.5
-85°	85.6	83.9	81.3	77.7	67.2	56.9	52.2	47.3	41.5	35.8	30.4
-87.5°	28.2	30.3	32.0	33.2	30.9	28.5	26.1	23.7	20.8	17.9	15.2
-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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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°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
85°	1.9	1.6	1.2	0.9	0.6	0.4	0.0
82.5°	2.8	2.3	1.9	1.4	0.9	0.6	0.0
80°	3.6	3.1	2.5	1.9	1.3	0.8	0.0
77.5°	3.6	3.6	3.1	2.3	1.6	1.0	0.0
75°	3.6	3.7	3.6	2.8	1.9	1.2	0.0
72.5°	3.7	3.9	3.8	3.2	2.2	1.4	0.0
70°	3.8	4.0	4.0	3.6	2.5	1.6	0.0
67.5°	4.2	4.2	4.1	3.8	2.9	1.7	0.0
65°	4.8	4.8	4.3	4.0	3.2	1.9	0.0
62.5°	5.7	6.0	4.5	4.2	3.5	2.1	0.0
60°	6.7	7.2	4.7	4.4	3.8	2.3	0.0
57.5°	12.4	8.7	6.1	4.5	4.0	2.5	0.0
55°	19.7	10.3	7.6	4.7	4.2	2.7	0.0
52.5°	28.3	13.2	9.2	4.9	4.4	2.9	0.0
50°	38.2	22.5	10.9	5.1	4.7	3.0	0.0
47.5°	51.3	32.5	12.6	5.6	4.9	3.2	0.0
45°	77.4	43.2	14.4	7.0	5.1	3.4	0.0
42.5°	104.2	54.5	16.3	8.4	5.3	3.5	0.0
40°	131.5	66.6	21.9	10.1	5.5	3.7	0.0
37.5°	159.3	79.3	31.4	12.3	5.8	3.8	0.0
35°	187.6	98.5	40.9	14.7	6.0	4.0	0.0
32.5°	218.3	120.8	50.6	17.4	6.2	4.1	0.0
30°	253.3	142.9	60.4	20.3	6.5	4.3	0.0
27.5°	287.7	164.8	72.5	23.3	6.7	4.4	0.0
25°	321.3	186.3	84.9	26.5	6.9	4.5	0.0
22.5°	353.8	208.2	97.2	29.9	7.2	4.7	0.0
20°	385.3	231.8	109.4	33.4	7.4	4.8	0.0
17.5°	416.5	254.6	121.4	36.9	7.6	4.9	0.0
15°	446.4	276.5	133.2	40.4	7.9	5.0	0.0
12.5°	474.4	297.4	144.5	43.9	8.1	5.1	0.0
10°	500.3	317.1	155.3	47.4	8.3	5.2	0.0
7.5°	524.2	335.5	165.6	50.7	8.5	5.2	0.0
5°	545.9	352.5	175.1	53.9	8.7	5.3	0.0
2.5°	565.3	368.0	183.9	56.9	8.8	5.4	0.0
0°	582.5	381.7	191.7	59.7	9.0	5.4	0.0
-2.5°	591.0	390.4	199.0	63.6	10.4	5.7	0.0
-5°	597.2	397.3	205.2	67.2	11.8	6.0	0.0
-7.5°	601.2	402.2	210.3	70.4	13.2	6.3	0.0
-10°	603.0	405.4	214.1	73.1	14.5	6.6	0.0
-12.5°	602.7	406.6	216.7	75.5	15.7	6.8	0.0
-15°	600.3	406.1	217.9	77.3	16.9	7.0	0.0
-17.5°	595.9	403.6	217.8	78.7	18.0	7.2	0.0
-20°	589.1	399.3	216.2	79.5	19.0	7.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	579.3	393.2	213.2	79.7	19.9	7.6	0.0
-25°	567.1	383.8	208.6	79.3	20.7	7.7	0.0
-27.5°	552.7	372.0	202.6	78.4	21.4	7.8	0.0
-30°	536.0	358.6	195.0	76.8	21.9	7.8	0.0
-32.5°	517.1	343.6	186.1	74.5	22.4	7.8	0.0
-35°	496.7	327.1	176.2	71.6	22.7	7.8	0.0
-37.5°	474.7	310.4	165.4	68.0	22.8	7.8	0.0
-40°	451.1	295.3	153.5	63.8	22.8	7.7	0.0
-42.5°	425.7	279.2	144.6	59.2	22.7	7.6	0.0
-45°	398.8	262.0	138.5	54.6	22.5	7.4	0.0
-47.5°	370.4	243.8	131.2	49.3	22.0	7.3	0.0
-50°	346.6	224.7	122.9	47.5	21.5	7.0	0.0
-52.5°	322.8	204.6	113.6	46.6	20.8	6.8	0.0
-55°	298.1	189.5	103.2	45.1	20.0	6.5	0.0
-57.5°	272.4	174.1	91.8	43.1	19.0	6.2	0.0
-60°	246.4	157.2	79.8	40.7	17.9	5.8	0.0
-62.5°	222.6	139.1	74.2	37.8	16.9	5.5	0.0
-65°	197.1	119.7	67.7	34.5	15.7	5.1	0.0
-67.5°	170.0	103.4	60.5	30.8	14.4	4.6	0.0
-70°	141.5	90.5	52.6	26.7	13.0	4.2	0.0
-72.5°	119.7	76.6	44.1	23.5	11.6	3.7	0.0
-75°	97.8	61.9	35.1	20.4	10.0	3.2	0.0
-77.5°	74.9	46.4	29.0	17.2	8.5	2.7	0.0
-80°	51.1	35.4	23.4	13.9	6.8	2.2	0.0
-82.5°	37.5	26.7	17.7	10.5	5.2	1.6	0.0
-85°	25.1	17.9	11.9	7.1	3.5	1.1	0.0
-87.5°	12.6	9.0	6.0	3.5	1.7	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)