

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: P645463 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645463 (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-SA4C-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

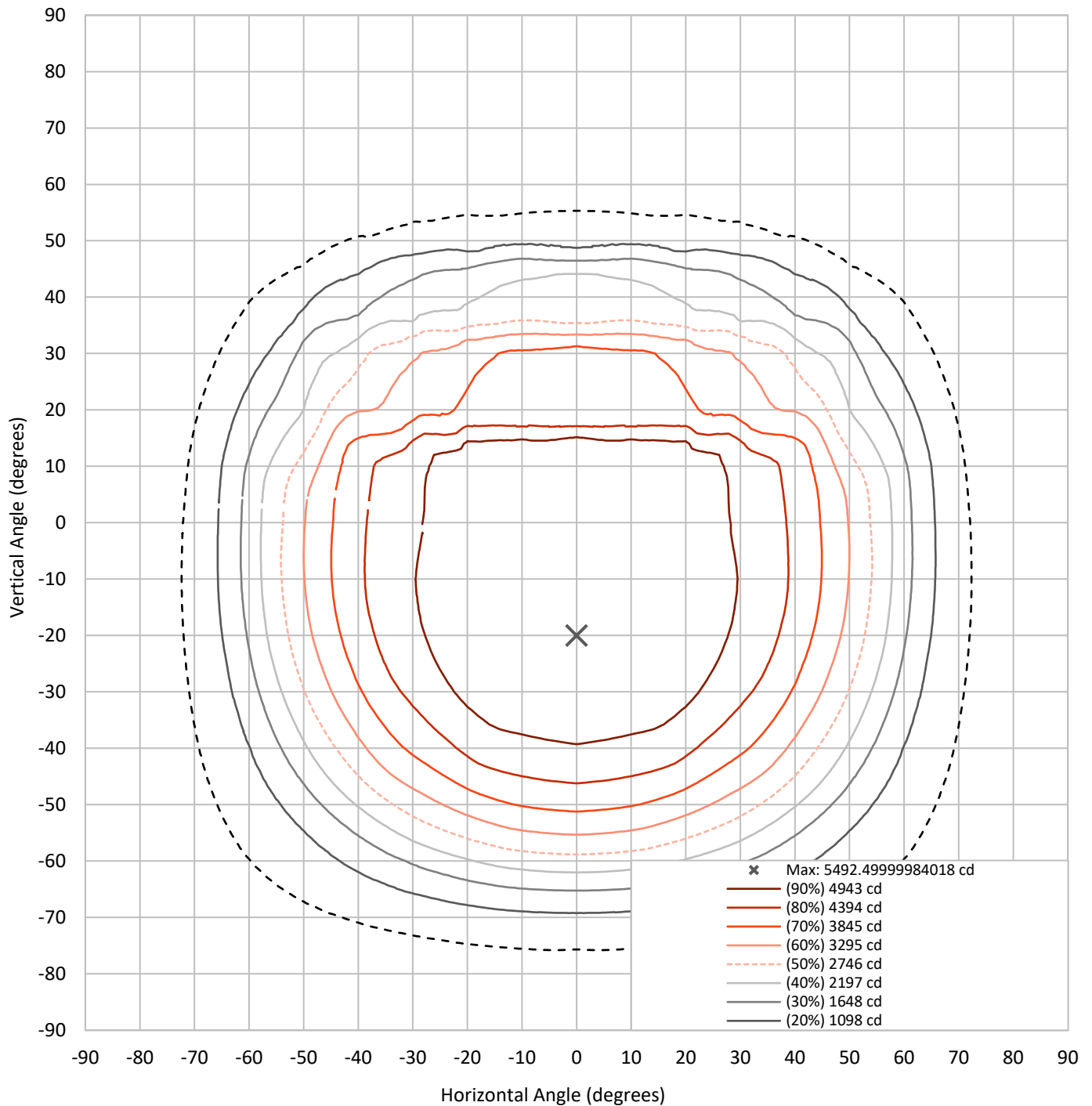
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12878.8 lumens	Max Intensity:	5492.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	76.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	10067.9 lumens	Field Lumens:	12623 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	168.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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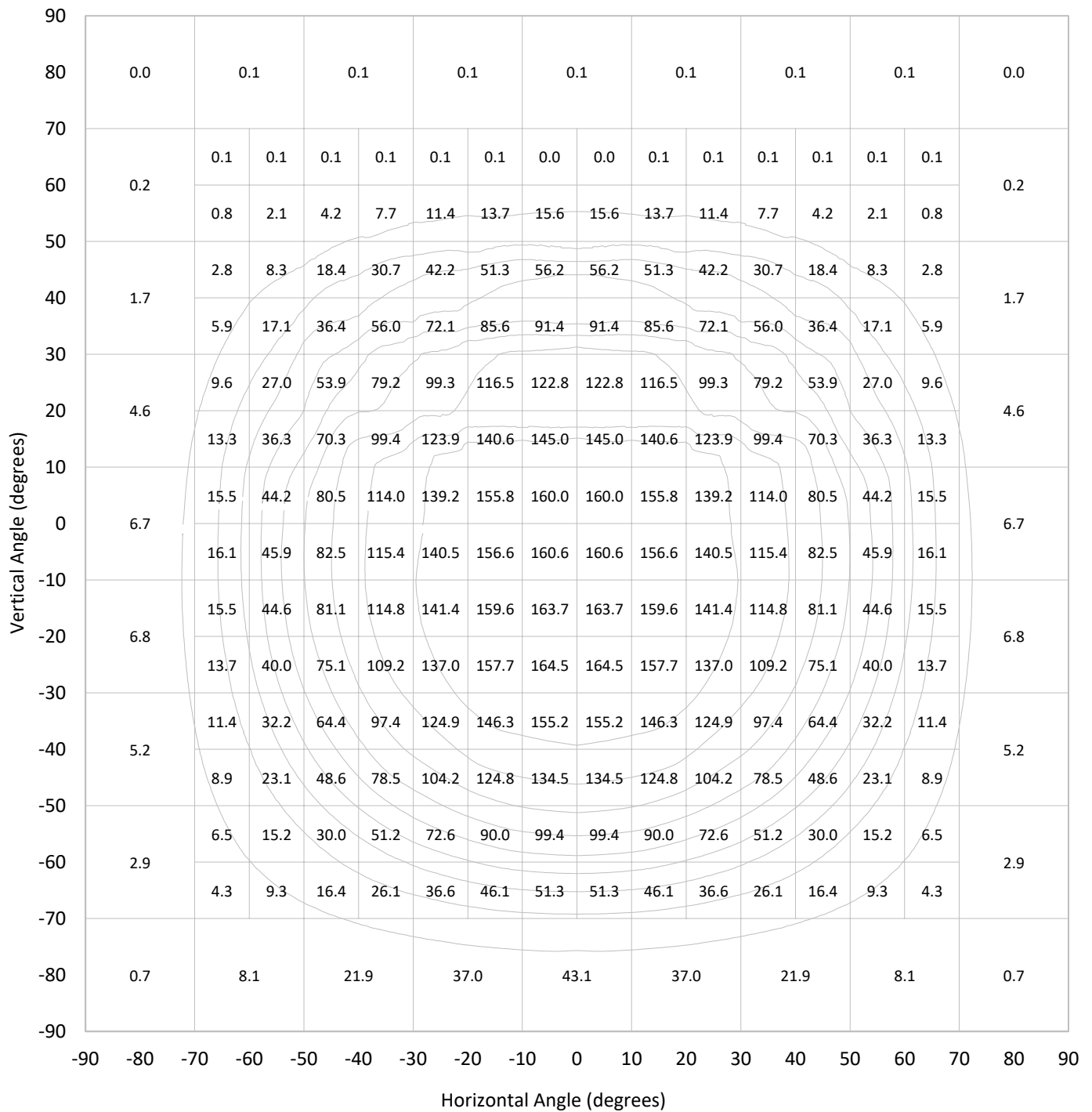
Iso-Candela Plot





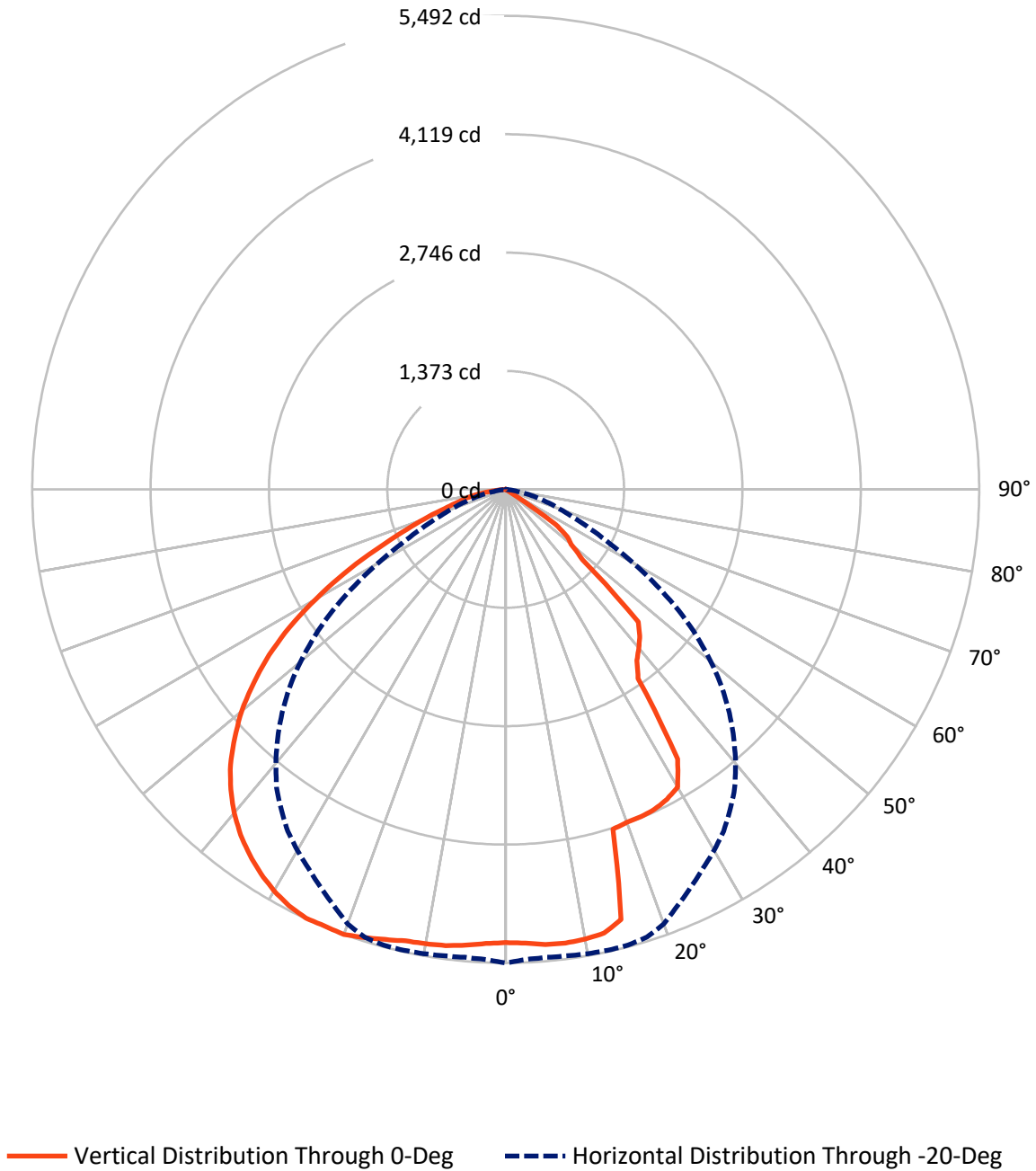
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Lumen Table



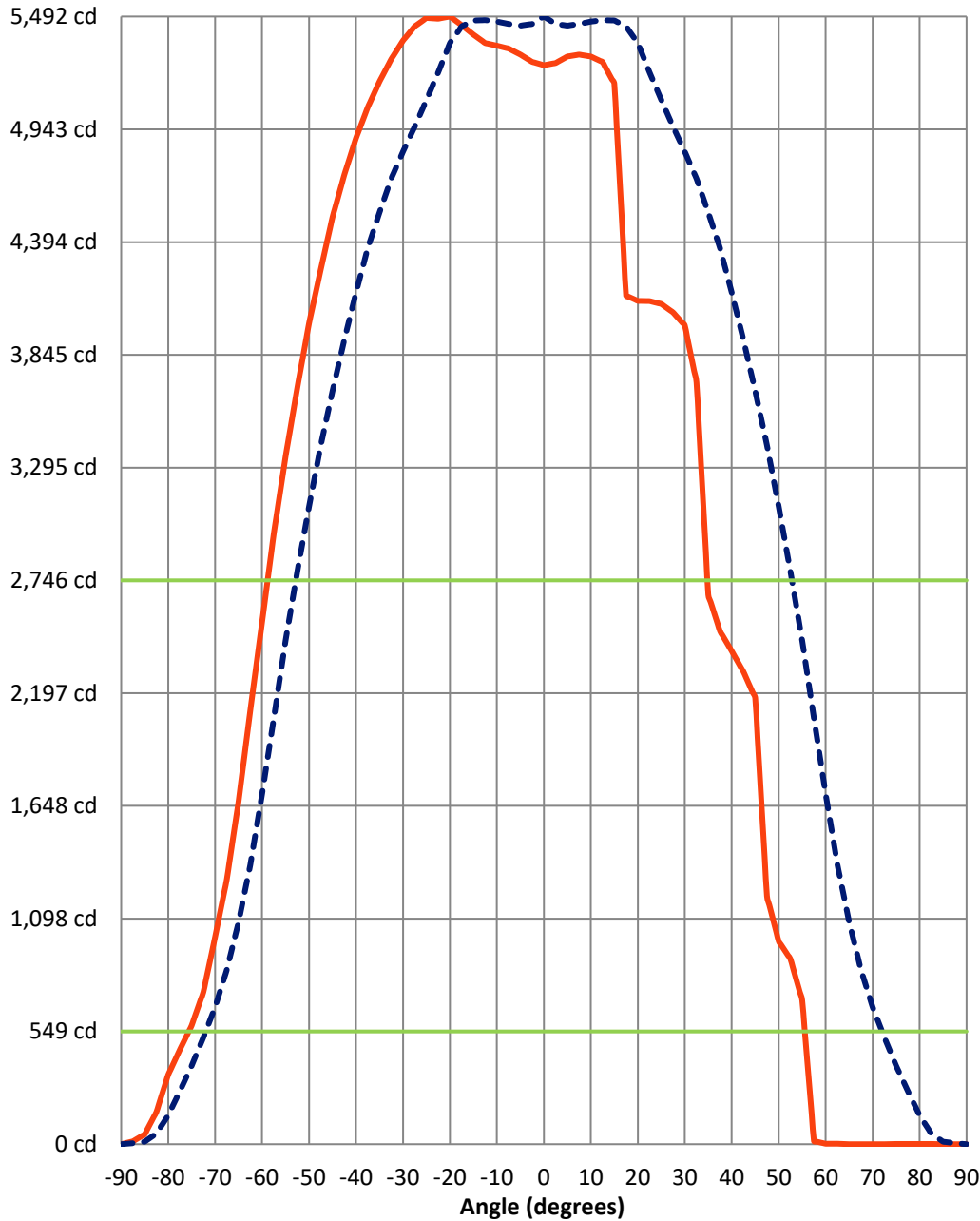
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 10067.9
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 12623
 Efficiency: 98.0%

Spill:
 Lumens: 255.8
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -20-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5
85°	0.0	0.3	0.4	0.6	0.8	1.0	1.2	1.2	1.2	1.1	1.0
82.5°	0.0	0.4	0.6	0.9	1.2	1.5	1.8	1.8	1.8	1.5	1.2
80°	0.0	0.5	0.8	1.2	1.6	2.0	2.3	2.1	1.8	1.5	1.2
77.5°	0.0	0.6	1.0	1.5	2.0	2.3	2.3	2.1	1.8	1.5	1.3
75°	0.0	0.8	1.2	1.8	2.3	2.4	2.3	2.1	1.8	1.6	1.3
72.5°	0.0	0.9	1.4	2.1	2.4	2.5	2.4	2.1	1.8	1.6	1.3
70°	0.0	1.0	1.6	2.3	2.5	2.6	2.4	2.1	1.9	1.6	1.9
67.5°	0.0	1.1	1.8	2.4	2.7	2.7	2.7	2.2	1.9	2.6	2.6
65°	0.0	1.2	2.0	2.6	2.8	3.1	3.1	2.2	3.1	3.6	4.6
62.5°	0.0	1.4	2.2	2.7	2.9	3.8	3.6	3.1	4.3	6.4	10.2
60°	0.0	1.5	2.5	2.8	3.1	4.7	4.3	4.4	5.6	16.2	17.7
57.5°	0.0	1.6	2.6	2.9	4.0	5.6	8.0	6.2	15.9	27.6	32.1
55°	0.0	1.7	2.7	3.1	4.9	6.6	12.8	10.1	29.5	42.7	52.0
52.5°	0.0	1.8	2.9	3.2	6.0	8.5	18.3	25.7	44.4	67.0	75.5
50°	0.0	2.0	3.0	3.3	7.0	14.5	24.7	43.4	63.5	94.0	117.9
47.5°	0.0	2.1	3.1	3.6	8.2	21.0	33.3	62.0	91.5	123.8	161.2
45°	0.0	2.2	3.3	4.5	9.3	28.0	50.2	81.4	122.8	161.4	203.3
42.5°	0.0	2.3	3.4	5.4	10.6	35.4	67.5	106.0	154.7	197.9	251.8
40°	0.0	2.4	3.6	6.6	14.2	43.2	85.2	134.1	187.5	233.8	303.8
37.5°	0.0	2.5	3.7	8.0	20.3	51.4	103.3	162.2	221.9	277.0	358.0
35°	0.0	2.6	3.9	9.6	26.6	63.9	121.6	190.2	256.9	329.9	422.1
32.5°	0.0	2.7	4.1	11.3	32.9	78.3	141.5	218.2	292.3	383.1	500.1
30°	0.0	2.8	4.2	13.1	39.2	92.7	164.2	246.5	328.1	436.5	574.9
27.5°	0.0	2.9	4.4	15.1	47.0	106.9	186.5	275.9	367.3	489.8	646.4
25°	0.0	2.9	4.5	17.2	55.0	120.8	208.3	305.0	411.6	548.0	714.6
22.5°	0.0	3.0	4.7	19.4	63.1	135.0	229.4	333.6	455.0	606.2	783.5
20°	0.0	3.1	4.8	21.6	71.0	150.3	249.8	361.6	497.3	661.1	850.8
17.5°	0.0	3.2	5.0	23.9	78.8	165.1	270.0	388.8	538.3	712.6	916.0
15°	0.0	3.2	5.1	26.2	86.4	179.2	289.4	414.1	577.6	760.7	978.7
12.5°	0.0	3.3	5.3	28.5	93.7	192.8	307.5	436.7	609.0	805.2	1038.3
10°	0.0	3.3	5.4	30.7	100.7	205.6	324.3	457.5	632.4	831.9	1086.8
7.5°	0.0	3.4	5.5	32.9	107.4	217.5	339.8	476.4	652.3	852.6	1115.1
5°	0.0	3.4	5.7	35.0	113.6	228.5	353.9	493.5	668.9	869.3	1138.2
2.5°	0.0	3.5	5.8	36.9	119.2	238.5	366.5	508.6	682.4	882.1	1155.8
0°	0.0	3.5	5.9	38.7	124.3	247.4	377.6	521.8	693.0	891.2	1167.9
-2.5°	0.0	3.7	6.8	41.2	129.0	253.0	383.1	529.5	696.8	902.7	1175.8
-5°	0.0	3.9	7.7	43.5	133.1	257.5	387.2	535.1	698.1	910.2	1178.3
-7.5°	0.0	4.1	8.6	45.6	136.3	260.7	389.7	538.6	697.2	913.2	1175.7
-10°	0.0	4.3	9.4	47.4	138.8	262.8	390.9	540.0	694.2	911.4	1168.2
-12.5°	0.0	4.4	10.2	48.9	140.5	263.6	390.7	539.1	689.4	904.1	1155.4
-15°	0.0	4.6	11.0	50.1	141.3	263.2	389.2	535.9	683.9	889.7	1136.8
-17.5°	0.0	4.7	11.7	51.0	141.2	261.6	386.3	529.4	677.3	871.8	1112.6
-20°	0.0	4.8	12.4	51.5	140.2	258.9	381.9	520.2	667.8	850.5	1082.7

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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	4.9	12.9	51.7	138.2	254.9	375.5	509.1	655.5	825.8	1047.3
-25°	0.0	5.0	13.5	51.5	135.3	248.8	367.6	496.3	640.2	798.1	1006.2
-27.5°	0.0	5.0	13.9	50.8	131.3	241.2	358.3	481.7	622.1	771.3	969.9
-30°	0.0	5.1	14.3	49.8	126.4	232.5	347.5	465.4	602.2	748.6	931.0
-32.5°	0.0	5.1	14.5	48.3	120.7	222.8	335.2	450.3	581.2	722.4	889.5
-35°	0.0	5.1	14.7	46.4	114.3	212.0	322.0	434.4	558.4	692.6	845.4
-37.5°	0.0	5.0	14.8	44.1	107.2	201.3	307.7	416.9	534.0	659.4	801.9
-40°	0.0	5.0	14.8	41.4	99.6	191.5	292.4	397.7	508.1	628.1	758.9
-42.5°	0.0	4.9	14.7	38.4	93.8	181.0	276.0	376.9	483.0	594.9	712.7
-45°	0.0	4.8	14.6	35.4	89.8	169.9	258.6	355.4	457.4	559.6	664.7
-47.5°	0.0	4.7	14.3	32.0	85.1	158.1	240.1	333.9	429.9	522.5	623.2
-50°	0.0	4.6	13.9	30.8	79.7	145.7	224.7	311.3	399.5	488.5	579.8
-52.5°	0.0	4.4	13.5	30.2	73.7	132.7	209.3	287.7	370.4	453.5	535.3
-55°	0.0	4.2	13.0	29.3	66.9	122.9	193.3	263.8	341.3	417.5	495.7
-57.5°	0.0	4.0	12.3	28.0	59.5	112.9	176.6	244.9	311.1	383.0	455.3
-60°	0.0	3.8	11.6	26.4	51.8	102.0	159.8	223.9	280.9	348.1	414.9
-62.5°	0.0	3.5	10.9	24.5	48.1	90.2	144.3	201.1	253.0	312.3	375.4
-65°	0.0	3.3	10.2	22.4	43.9	77.6	127.8	177.4	223.4	276.4	334.9
-67.5°	0.0	3.0	9.3	20.0	39.2	67.1	110.2	153.9	192.3	238.8	291.1
-70°	0.0	2.7	8.4	17.3	34.1	58.7	91.7	129.8	164.4	199.6	244.6
-72.5°	0.0	2.4	7.5	15.3	28.6	49.7	77.6	105.3	136.0	167.1	198.6
-75°	0.0	2.1	6.5	13.3	22.8	40.2	63.4	84.8	107.0	134.2	161.7
-77.5°	0.0	1.8	5.5	11.2	18.8	30.1	48.6	65.6	83.3	102.4	124.2
-80°	0.0	1.4	4.4	9.0	15.2	23.0	33.2	46.0	59.6	74.4	90.3
-82.5°	0.0	1.1	3.3	6.8	11.5	17.4	24.4	29.5	35.6	46.1	57.3
-85°	0.0	0.7	2.2	4.6	7.7	11.6	16.3	19.7	23.2	26.9	30.7
-87.5°	0.0	0.4	1.1	2.3	3.9	5.8	8.2	9.9	11.6	13.5	15.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
85°	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.4	1.5	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.8	1.9	1.7	1.4	1.2	1.3	1.4	1.3	1.2	1.2	1.2
67.5°	2.2	2.0	1.7	1.6	1.6	1.8	1.7	1.4	1.2	1.2	1.2
65°	2.3	2.0	2.9	3.3	2.4	2.1	1.8	1.5	1.6	1.7	1.7
62.5°	3.4	4.4	5.6	9.9	7.4	2.1	3.9	4.5	3.3	2.8	3.0
60°	11.4	7.8	23.1	33.1	20.6	7.5	9.2	30.6	26.6	4.9	16.6
57.5°	24.1	33.1	60.9	61.9	42.9	29.6	86.0	99.3	75.2	43.9	67.1
55°	53.0	81.5	100.9	93.4	102.0	154.5	183.6	164.9	138.8	213.6	272.8
52.5°	103.6	132.6	139.2	159.8	228.8	262.8	251.9	269.4	349.3	433.8	452.1
50°	152.9	176.7	195.2	282.2	336.1	339.5	364.6	443.8	550.4	602.1	589.7
47.5°	200.6	225.2	311.4	395.0	419.2	452.4	515.0	667.9	780.8	783.1	770.3
45°	251.0	316.7	426.7	481.2	520.5	584.8	736.0	946.9	957.8	988.5	1176.9
42.5°	304.9	420.0	516.0	572.7	636.2	756.1	957.9	1096.3	1143.8	1277.9	1429.5
40°	392.3	519.9	603.7	676.2	757.9	932.7	1153.8	1283.4	1322.0	1438.2	1552.1
37.5°	480.9	603.2	697.2	784.6	897.8	1133.8	1389.6	1496.5	1516.0	1537.3	1789.7
35°	566.2	688.7	801.2	915.6	1054.4	1394.2	1617.7	1718.2	1715.1	1858.4	2122.7
32.5°	646.0	776.1	908.9	1061.9	1291.0	1639.0	1862.7	1922.8	2014.1	2222.6	2583.5
30°	725.7	873.6	1026.0	1208.4	1498.6	1800.2	2055.5	2152.3	2308.7	2546.7	2809.4
27.5°	807.7	973.5	1157.9	1371.6	1662.4	1939.6	2157.7	2389.0	2541.0	2754.3	2941.1
25°	889.4	1079.3	1288.1	1514.2	1779.4	2037.9	2263.4	2530.6	2693.8	2865.7	3040.0
22.5°	975.1	1186.6	1422.4	1627.3	1878.2	2121.4	2389.9	2679.7	2891.9	3001.2	3118.1
20°	1064.8	1302.7	1554.1	1781.1	1975.6	2199.0	2516.9	2869.0	3142.9	3265.9	3281.9
17.5°	1153.1	1415.1	1685.5	1931.3	2141.0	2339.9	2650.2	3095.8	3436.4	3550.7	3601.5
15°	1239.2	1523.3	1816.2	2077.4	2307.6	2550.8	2882.2	3335.3	3724.6	3851.1	3931.2
12.5°	1322.3	1626.4	1944.7	2218.6	2474.3	2747.1	3092.8	3507.6	3863.0	4107.7	4254.5
10°	1401.5	1723.8	2069.4	2354.2	2639.2	2929.1	3267.1	3636.0	3925.3	4161.3	4369.7
7.5°	1441.5	1787.5	2176.6	2483.3	2799.8	3097.4	3409.9	3726.5	3970.1	4201.7	4403.1
5°	1468.7	1813.6	2210.1	2528.2	2885.2	3209.7	3513.0	3785.9	3999.4	4228.9	4425.6
2.5°	1488.1	1830.5	2232.8	2552.9	2917.3	3244.2	3542.7	3805.8	4023.6	4248.4	4449.8
0°	1499.8	1838.6	2244.4	2568.0	2937.4	3266.9	3560.0	3813.3	4039.6	4257.7	4474.7
-2.5°	1506.4	1863.2	2252.1	2606.9	2956.8	3286.5	3584.2	3831.4	4067.9	4275.4	4493.0
-5°	1505.6	1877.9	2250.0	2633.0	2966.0	3294.1	3596.3	3839.6	4083.3	4288.7	4500.4
-7.5°	1497.4	1881.3	2239.9	2641.2	2966.4	3291.5	3591.0	3843.5	4083.0	4300.9	4501.1
-10°	1482.8	1868.0	2230.5	2620.0	2955.0	3278.2	3574.8	3834.9	4073.5	4298.5	4497.2
-12.5°	1465.6	1840.6	2211.0	2589.5	2931.9	3253.2	3550.2	3813.0	4055.6	4280.0	4488.2
-15°	1439.8	1804.1	2178.8	2550.8	2896.7	3216.9	3518.2	3777.1	4028.1	4247.9	4461.6
-17.5°	1405.1	1758.9	2133.6	2504.8	2849.3	3169.6	3477.2	3729.8	3979.6	4206.7	4412.9
-20°	1361.5	1705.4	2074.9	2452.5	2789.1	3106.0	3404.0	3668.6	3916.8	4147.8	4364.5

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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°	1308.7	1643.8	2004.2	2382.0	2714.0	3027.4	3321.8	3590.6	3847.8	4071.1	4302.1
-25°	1255.8	1578.8	1926.1	2284.4	2626.8	2938.8	3234.1	3495.9	3758.8	3991.2	4210.5
-27.5°	1205.1	1503.3	1835.3	2176.8	2527.9	2838.5	3131.1	3393.2	3648.3	3902.4	4113.6
-30°	1148.2	1416.0	1735.9	2062.1	2404.3	2720.5	3015.4	3287.3	3530.1	3780.9	4007.7
-32.5°	1085.5	1323.4	1630.8	1944.6	2267.4	2590.5	2882.6	3152.7	3405.3	3642.6	3880.6
-35°	1024.2	1248.6	1519.5	1818.5	2122.2	2439.2	2731.6	2999.1	3261.2	3496.3	3723.8
-37.5°	969.0	1167.6	1401.2	1686.9	1977.1	2276.9	2574.2	2833.2	3082.7	3341.1	3562.9
-40°	909.3	1080.6	1298.8	1551.3	1824.8	2109.9	2394.6	2662.5	2897.0	3152.4	3396.4
-42.5°	846.8	1009.8	1197.7	1407.7	1665.9	1934.7	2209.5	2471.6	2715.2	2956.1	3197.8
-45°	792.0	934.8	1094.8	1286.7	1497.0	1749.8	2010.0	2271.2	2504.9	2734.5	2973.3
-47.5°	733.8	859.4	1007.4	1160.7	1343.4	1554.8	1799.5	2040.4	2279.6	2498.1	2709.4
-50°	675.8	791.6	913.2	1051.2	1201.9	1373.3	1576.5	1800.5	2019.0	2243.3	2452.6
-52.5°	625.8	720.2	830.1	945.3	1074.3	1216.1	1378.9	1562.9	1761.7	1952.0	2160.8
-55°	573.9	659.1	747.7	849.1	956.6	1076.2	1209.6	1364.3	1515.9	1692.0	1862.4
-57.5°	526.6	598.4	674.0	757.7	851.1	946.9	1063.5	1183.7	1321.3	1458.2	1593.2
-60°	482.0	540.7	604.8	675.7	750.7	835.9	923.0	1026.3	1137.1	1246.3	1360.8
-62.5°	437.0	486.4	538.7	597.6	662.9	727.3	801.7	881.3	962.8	1055.4	1145.7
-65°	390.8	430.7	475.1	523.9	576.0	630.9	688.0	746.9	816.3	884.1	949.8
-67.5°	341.7	375.8	411.7	450.2	493.9	537.0	580.0	629.7	680.8	731.1	783.1
-70°	287.3	319.5	349.4	380.5	413.1	446.8	483.6	520.0	556.0	593.7	635.4
-72.5°	231.9	261.5	287.8	310.8	337.6	365.6	392.5	418.1	445.3	473.8	502.1
-75°	184.9	204.5	228.0	249.5	270.7	290.5	308.2	330.0	352.6	373.4	390.5
-77.5°	144.4	162.1	178.2	192.6	209.5	229.3	246.6	261.4	275.8	291.5	308.2
-80°	105.0	119.8	134.5	147.8	157.5	168.7	181.9	197.0	210.1	220.8	230.5
-82.5°	67.8	78.5	89.4	100.5	105.0	108.1	110.9	116.2	124.3	132.3	140.0
-85°	33.8	36.9	43.5	50.3	52.7	54.4	55.5	56.1	58.9	61.4	63.6
-87.5°	16.9	18.5	20.0	21.5	20.7	19.6	18.3	16.6	16.2	15.8	15.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645463 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-U-LAM-VSR-XX

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°	1.0	1.0	1.0	1.1	1.1	0.8	0.6	0.3	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	0.9	0.6
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	0.8
65°	1.6	1.6	1.7	1.6	1.5	1.4	1.5	1.4	1.3	1.0	0.7
62.5°	2.9	3.3	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	2.0
60°	18.4	10.8	6.3	7.4	6.6	4.4	5.6	6.6	6.7	6.1	5.4
57.5°	101.9	76.1	56.3	134.5	135.0	64.4	77.6	122.0	100.5	33.0	30.6
55°	283.5	339.1	446.4	424.0	430.8	495.5	541.1	479.0	469.6	500.4	578.1
52.5°	509.4	562.4	598.5	632.2	673.3	717.4	762.9	791.8	818.8	847.6	864.8
50°	650.5	725.2	776.5	757.6	863.9	907.3	863.2	902.6	950.8	964.0	970.2
47.5°	960.5	1070.1	1091.8	1162.4	1225.7	1224.4	1170.6	1173.7	1316.9	1443.3	1505.4
45°	1380.4	1384.2	1453.0	1577.6	1666.6	1638.6	1713.8	1884.6	1941.5	1996.5	2041.6
42.5°	1544.0	1611.8	1721.7	1831.8	1898.2	1955.8	2011.4	2074.2	2148.1	2208.0	2255.9
40°	1702.4	1757.0	1869.5	1958.2	2013.2	2067.0	2131.8	2201.4	2269.0	2321.6	2357.5
37.5°	1946.2	1988.5	2015.9	2098.2	2202.3	2154.2	2277.3	2365.5	2405.8	2459.2	2464.0
35°	2315.0	2286.8	2250.3	2578.2	2597.8	2487.1	2602.1	2738.8	2666.8	2816.9	2897.6
32.5°	2642.0	2637.7	2923.9	3096.3	2997.1	3078.0	3343.2	3331.5	3508.2	3590.3	3566.9
30°	2950.0	3055.1	3220.6	3349.0	3366.1	3493.8	3611.6	3714.7	3821.4	3917.1	3923.7
27.5°	3106.4	3243.6	3355.9	3430.1	3513.0	3620.5	3727.3	3843.5	3934.3	3994.2	4008.9
25°	3201.0	3341.1	3426.1	3506.1	3597.6	3690.3	3809.9	3936.5	4009.4	4046.4	4058.2
22.5°	3284.4	3410.3	3501.7	3566.6	3665.1	3764.8	3876.3	3983.5	4062.6	4078.8	4084.7
20°	3364.7	3485.6	3638.3	3733.8	3729.1	3841.4	3949.0	4034.1	4100.1	4099.8	4101.4
17.5°	3596.9	3640.0	3917.2	4127.7	4023.5	3968.6	4264.2	4269.8	4287.3	4252.4	4176.8
15°	3940.7	4019.4	4359.9	4587.9	4516.2	4512.4	4939.5	4833.5	4924.7	4900.8	5003.4
12.5°	4305.0	4398.1	4652.5	4876.5	4983.3	5009.5	5152.1	5285.8	5313.2	5302.3	5282.2
10°	4553.1	4685.7	4787.9	4923.9	5031.5	5141.3	5224.0	5319.9	5351.4	5333.2	5307.5
7.5°	4585.4	4716.5	4836.5	4955.8	5058.3	5146.8	5232.5	5310.6	5342.6	5332.1	5314.5
5°	4606.0	4724.7	4841.0	4962.1	5060.1	5142.0	5227.5	5306.7	5325.6	5312.8	5295.6
2.5°	4618.6	4728.6	4840.6	4961.2	5050.2	5128.3	5214.7	5299.2	5299.1	5293.5	5283.5
0°	4624.8	4735.0	4865.1	4974.2	5073.9	5147.7	5233.3	5315.4	5309.6	5294.3	5276.7
-2.5°	4638.0	4749.6	4882.4	4972.8	5085.2	5152.9	5241.3	5312.4	5309.7	5302.2	5293.4
-5°	4649.7	4775.3	4899.5	4994.6	5107.2	5195.7	5283.6	5339.2	5342.2	5331.8	5317.1
-7.5°	4656.8	4796.1	4914.6	5010.1	5119.4	5222.3	5311.4	5369.8	5371.1	5357.2	5339.6
-10°	4654.4	4801.5	4923.5	5022.1	5134.0	5235.6	5328.9	5402.9	5400.4	5387.2	5372.3
-12.5°	4645.6	4792.5	4917.8	5016.8	5143.8	5248.4	5353.3	5426.9	5430.8	5420.9	5404.7
-15°	4626.3	4777.9	4899.8	5007.9	5132.4	5254.7	5362.5	5443.7	5458.1	5450.0	5437.2
-17.5°	4588.2	4748.1	4877.4	4993.8	5113.3	5243.7	5366.3	5455.0	5474.8	5471.6	5460.9
-20°	4538.0	4703.1	4834.3	4956.3	5086.4	5220.6	5363.3	5444.4	5473.1	5474.9	5467.7



REPORT NUMBER: P645463 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4481.7	4643.3	4782.5	4902.4	5043.5	5179.4	5308.6	5403.5	5451.8	5460.7	5461.3
-25°	4414.2	4580.2	4718.5	4846.3	4977.4	5117.8	5248.3	5354.3	5403.2	5426.6	5433.9
-27.5°	4318.7	4490.4	4626.5	4761.5	4894.9	5039.9	5177.1	5292.4	5332.2	5364.3	5377.2
-30°	4206.9	4376.7	4515.5	4638.9	4791.5	4939.3	5080.9	5181.5	5241.5	5278.3	5298.4
-32.5°	4078.4	4249.7	4395.4	4524.3	4669.3	4817.2	4950.4	5056.5	5139.2	5181.6	5203.1
-35°	3939.0	4113.9	4266.4	4402.2	4538.8	4679.7	4817.7	4928.7	5023.0	5059.4	5086.4
-37.5°	3770.9	3963.9	4120.2	4260.2	4390.0	4522.5	4666.2	4793.1	4884.6	4920.0	4948.4
-40°	3598.5	3785.0	3942.7	4092.1	4220.4	4365.0	4503.4	4636.5	4715.9	4757.1	4789.2
-42.5°	3416.5	3585.0	3735.0	3880.1	4023.0	4171.8	4310.2	4448.4	4517.1	4566.8	4606.2
-45°	3206.4	3363.2	3508.9	3644.7	3792.0	3938.4	4076.8	4199.0	4280.7	4345.4	4395.7
-47.5°	2926.3	3117.3	3263.7	3392.8	3538.8	3680.0	3814.2	3929.1	4018.7	4094.3	4152.8
-50°	2641.8	2825.1	2990.2	3135.3	3270.8	3401.3	3529.1	3641.4	3736.3	3818.3	3877.5
-52.5°	2361.7	2533.4	2697.2	2847.0	2977.2	3100.5	3217.4	3330.4	3430.4	3518.1	3575.4
-55°	2045.2	2223.1	2385.1	2524.7	2654.9	2776.7	2892.1	2999.3	3097.8	3187.0	3241.9
-57.5°	1748.3	1904.3	2055.0	2183.9	2306.7	2422.8	2532.2	2634.8	2729.6	2813.6	2866.5
-60°	1475.3	1589.1	1718.8	1837.8	1946.7	2045.4	2147.5	2243.2	2330.3	2404.2	2453.5
-62.5°	1234.0	1328.3	1422.0	1512.5	1600.8	1689.6	1775.0	1854.4	1927.1	1987.6	2030.8
-65°	1019.0	1094.8	1162.5	1226.7	1287.9	1357.9	1422.9	1484.0	1540.5	1586.9	1619.8
-67.5°	839.1	892.3	939.2	983.2	1031.5	1080.9	1127.3	1167.6	1202.2	1229.7	1251.4
-70°	676.7	715.8	751.2	786.3	821.5	853.6	884.3	914.0	942.3	965.3	982.5
-72.5°	530.0	556.7	580.8	607.8	633.1	657.5	678.7	695.9	709.2	722.1	733.4
-75°	404.0	424.2	451.3	474.2	493.1	509.8	525.2	538.8	550.8	561.5	570.8
-77.5°	325.0	342.0	359.3	376.0	392.2	404.2	415.4	426.5	437.5	446.9	455.2
-80°	240.8	253.6	266.9	280.3	293.7	300.3	305.6	310.5	314.9	320.5	325.7
-82.5°	147.2	154.4	161.8	169.4	176.8	178.7	179.4	179.2	178.3	176.2	173.1
-85°	65.5	65.9	65.7	64.9	63.7	61.1	57.9	54.3	50.2	49.5	48.8
-87.5°	14.4	14.1	13.7	13.3	12.8	12.8	12.7	12.6	12.5	12.9	13.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645463 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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	0.6	0.9	1.1	1.1
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.8	1.1	1.2	1.2
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.7	1.0	1.3	1.4
62.5°	2.1	2.2	2.3	2.3	2.3	2.2	2.1	2.0	2.0	2.1	2.2
60°	4.2	2.7	2.3	2.3	2.3	2.7	4.2	5.4	6.1	6.7	6.6
57.5°	25.9	19.3	16.4	15.2	16.4	19.3	25.9	30.6	33.0	100.5	122.0
55°	633.7	665.9	690.0	701.2	690.0	665.9	633.7	578.1	500.4	469.6	479.0
52.5°	879.9	893.9	902.0	901.7	902.0	893.9	879.9	864.8	847.6	818.8	791.8
50°	980.8	987.6	990.0	988.5	990.0	987.6	980.8	970.2	964.0	950.8	902.6
47.5°	1448.7	1323.3	1231.1	1209.0	1231.1	1323.3	1448.7	1505.4	1443.3	1316.9	1173.7
45°	2063.2	2110.7	2158.1	2172.8	2158.1	2110.7	2063.2	2041.6	1996.5	1941.5	1884.6
42.5°	2276.0	2291.5	2300.3	2300.7	2300.3	2291.5	2276.0	2255.9	2208.0	2148.1	2074.2
40°	2377.6	2392.2	2400.7	2401.5	2400.7	2392.2	2377.6	2357.5	2321.6	2269.0	2201.4
37.5°	2469.9	2482.3	2490.5	2498.8	2490.5	2482.3	2469.9	2464.0	2459.2	2405.8	2365.5
35°	2886.7	2792.3	2656.5	2677.1	2656.5	2792.3	2886.7	2897.6	2816.9	2666.8	2738.8
32.5°	3603.4	3643.2	3667.9	3710.1	3667.9	3643.2	3603.4	3566.9	3590.3	3508.2	3331.5
30°	3934.2	3947.3	3967.2	3988.0	3967.2	3947.3	3934.2	3923.7	3917.1	3821.4	3714.7
27.5°	4016.7	4030.3	4042.3	4051.3	4042.3	4030.3	4016.7	4008.9	3994.2	3934.3	3843.5
25°	4059.9	4068.3	4081.2	4092.4	4081.2	4068.3	4059.9	4058.2	4046.4	4009.4	3936.5
22.5°	4081.3	4082.2	4092.2	4106.5	4092.2	4082.2	4081.3	4084.7	4078.8	4062.6	3983.5
20°	4096.0	4088.1	4098.4	4107.6	4098.4	4088.1	4096.0	4101.4	4099.8	4100.1	4034.1
17.5°	4283.5	4176.6	4132.6	4133.4	4132.6	4176.6	4283.5	4176.8	4252.4	4287.3	4269.8
15°	4888.3	4928.4	5082.2	5165.3	5082.2	4928.4	4888.3	5003.4	4900.8	4924.7	4833.5
12.5°	5278.5	5264.2	5245.9	5270.9	5245.9	5264.2	5278.5	5282.2	5302.3	5313.2	5285.8
10°	5296.6	5295.0	5262.4	5297.8	5262.4	5295.0	5296.6	5307.5	5333.2	5351.4	5319.9
7.5°	5285.5	5286.5	5272.6	5307.2	5272.6	5286.5	5285.5	5314.5	5332.1	5342.6	5310.6
5°	5292.9	5269.0	5278.0	5297.8	5278.0	5269.0	5292.9	5295.6	5312.8	5325.6	5306.7
2.5°	5272.3	5269.9	5252.3	5266.2	5252.3	5269.9	5272.3	5283.5	5293.5	5299.1	5299.2
0°	5256.8	5243.9	5243.9	5255.6	5243.9	5243.9	5256.8	5276.7	5294.3	5309.6	5315.4
-2.5°	5284.5	5281.8	5280.1	5272.0	5280.1	5281.8	5284.5	5293.4	5302.2	5309.7	5312.4
-5°	5307.3	5300.3	5281.1	5307.2	5281.1	5300.3	5307.3	5317.1	5331.8	5342.2	5339.2
-7.5°	5331.9	5314.1	5295.8	5336.5	5295.8	5314.1	5331.9	5339.6	5357.2	5371.1	5369.8
-10°	5354.3	5328.5	5310.7	5350.6	5310.7	5328.5	5354.3	5372.3	5387.2	5400.4	5402.9
-12.5°	5383.9	5353.7	5341.9	5363.5	5341.9	5353.7	5383.9	5404.7	5420.9	5430.8	5426.9
-15°	5415.4	5394.6	5391.8	5404.5	5391.8	5394.6	5415.4	5437.2	5450.0	5458.1	5443.7
-17.5°	5443.1	5428.5	5435.8	5450.3	5435.8	5428.5	5443.1	5460.9	5471.6	5474.8	5455.0
-20°	5456.4	5448.2	5456.4	5492.5	5456.4	5448.2	5456.4	5467.7	5474.9	5473.1	5444.4



REPORT NUMBER: P645463 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	5455.2	5455.7	5470.1	5481.9	5470.1	5455.7	5455.2	5461.3	5460.7	5451.8	5403.5
-25°	5434.4	5445.4	5461.9	5485.4	5461.9	5445.4	5434.4	5433.9	5426.6	5403.2	5354.3
-27.5°	5384.2	5402.4	5419.7	5444.4	5419.7	5402.4	5384.2	5377.2	5364.3	5332.2	5292.4
-30°	5311.6	5333.3	5348.7	5375.2	5348.7	5333.3	5311.6	5298.4	5278.3	5241.5	5181.5
-32.5°	5223.3	5247.8	5266.0	5284.9	5266.0	5247.8	5223.3	5203.1	5181.6	5139.2	5056.5
-35°	5112.9	5139.3	5158.6	5175.9	5158.6	5139.3	5112.9	5086.4	5059.4	5023.0	4928.7
-37.5°	4980.2	5008.7	5030.6	5050.4	5030.6	5008.7	4980.2	4948.4	4920.0	4884.6	4793.1
-40°	4825.6	4854.8	4878.3	4900.3	4878.3	4854.8	4825.6	4789.2	4757.1	4715.9	4636.5
-42.5°	4645.0	4674.5	4698.7	4720.9	4698.7	4674.5	4645.0	4606.2	4566.8	4517.1	4448.4
-45°	4436.2	4466.6	4492.2	4515.7	4492.2	4466.6	4436.2	4395.7	4345.4	4280.7	4199.0
-47.5°	4195.9	4228.3	4250.2	4261.2	4250.2	4228.3	4195.9	4152.8	4094.3	4018.7	3929.1
-50°	3920.4	3952.9	3979.2	3998.6	3979.2	3952.9	3920.4	3877.5	3818.3	3736.3	3641.4
-52.5°	3617.1	3648.0	3670.6	3684.3	3670.6	3648.0	3617.1	3575.4	3518.1	3430.4	3330.4
-55°	3285.1	3317.4	3338.9	3349.0	3338.9	3317.4	3285.1	3241.9	3187.0	3097.8	2999.3
-57.5°	2908.5	2939.2	2962.0	2974.9	2962.0	2939.2	2908.5	2866.5	2813.6	2729.6	2634.8
-60°	2491.8	2519.3	2536.6	2543.4	2536.6	2519.3	2491.8	2453.5	2404.2	2330.3	2243.2
-62.5°	2065.7	2091.7	2107.9	2114.2	2107.9	2091.7	2065.7	2030.8	1987.6	1927.1	1854.4
-65°	1644.4	1660.7	1669.7	1671.0	1669.7	1660.7	1644.4	1619.8	1586.9	1540.5	1484.0
-67.5°	1268.5	1280.9	1288.5	1291.0	1288.5	1280.9	1268.5	1251.4	1229.7	1202.2	1167.6
-70°	995.4	1004.0	1008.8	1009.6	1008.8	1004.0	995.4	982.5	965.3	942.3	914.0
-72.5°	742.1	748.2	746.1	741.1	746.1	748.2	742.1	733.4	722.1	709.2	695.9
-75°	578.9	585.6	582.8	578.1	582.8	585.6	578.9	570.8	561.5	550.8	538.8
-77.5°	462.5	468.7	465.6	460.8	465.6	468.7	462.5	455.2	446.9	437.5	426.5
-80°	330.2	333.9	336.4	337.7	336.4	333.9	330.2	325.7	320.5	314.9	310.5
-82.5°	169.0	164.1	160.9	157.1	160.9	164.1	169.0	173.1	176.2	178.3	179.2
-85°	47.8	46.7	47.4	48.1	47.4	46.7	47.8	48.8	49.5	50.2	54.3
-87.5°	13.7	14.0	14.1	14.1	14.1	14.0	13.7	13.3	12.9	12.5	12.6
-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: P645463 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	0.6	0.8	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.8
85°	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.4
65°	1.5	1.4	1.5	1.6	1.7	1.6	1.6	1.7	1.7	1.6	1.5
62.5°	2.3	2.4	2.5	2.6	2.6	3.3	2.9	3.0	2.8	3.3	4.5
60°	5.6	4.4	6.6	7.4	6.3	10.8	18.4	16.6	4.9	26.6	30.6
57.5°	77.6	64.4	135.0	134.5	56.3	76.1	101.9	67.1	43.9	75.2	99.3
55°	541.1	495.5	430.8	424.0	446.4	339.1	283.5	272.8	213.6	138.8	164.9
52.5°	762.9	717.4	673.3	632.2	598.5	562.4	509.4	452.1	433.8	349.3	269.4
50°	863.2	907.3	863.9	757.6	776.5	725.2	650.5	589.7	602.1	550.4	443.8
47.5°	1170.6	1224.4	1225.7	1162.4	1091.8	1070.1	960.5	770.3	783.1	780.8	667.9
45°	1713.8	1638.6	1666.6	1577.6	1453.0	1384.2	1380.4	1176.9	988.5	957.8	946.9
42.5°	2011.4	1955.8	1898.2	1831.8	1721.7	1611.8	1544.0	1429.5	1277.9	1143.8	1096.3
40°	2131.8	2067.0	2013.2	1958.2	1869.5	1757.0	1702.4	1552.1	1438.2	1322.0	1283.4
37.5°	2277.3	2154.2	2202.3	2098.2	2015.9	1988.5	1946.2	1789.7	1537.3	1516.0	1496.5
35°	2602.1	2487.1	2597.8	2578.2	2250.3	2286.8	2315.0	2122.7	1858.4	1715.1	1718.2
32.5°	3343.2	3078.0	2997.1	3096.3	2923.9	2637.7	2642.0	2583.5	2222.6	2014.1	1922.8
30°	3611.6	3493.8	3366.1	3349.0	3220.6	3055.1	2950.0	2809.4	2546.7	2308.7	2152.3
27.5°	3727.3	3620.5	3513.0	3430.1	3355.9	3243.6	3106.4	2941.1	2754.3	2541.0	2389.0
25°	3809.9	3690.3	3597.6	3506.1	3426.1	3341.1	3201.0	3040.0	2865.7	2693.8	2530.6
22.5°	3876.3	3764.8	3665.1	3566.6	3501.7	3410.3	3284.4	3118.1	3001.2	2891.9	2679.7
20°	3949.0	3841.4	3729.1	3733.8	3638.3	3485.6	3364.7	3281.9	3265.9	3142.9	2869.0
17.5°	4264.2	3968.6	4023.5	4127.7	3917.2	3640.0	3596.9	3601.5	3550.7	3436.4	3095.8
15°	4939.5	4512.4	4516.2	4587.9	4359.9	4019.4	3940.7	3931.2	3851.1	3724.6	3335.3
12.5°	5152.1	5009.5	4983.3	4876.5	4652.5	4398.1	4305.0	4254.5	4107.7	3863.0	3507.6
10°	5224.0	5141.3	5031.5	4923.9	4787.9	4685.7	4553.1	4369.7	4161.3	3925.3	3636.0
7.5°	5232.5	5146.8	5058.3	4955.8	4836.5	4716.5	4585.4	4403.1	4201.7	3970.1	3726.5
5°	5227.5	5142.0	5060.1	4962.1	4841.0	4724.7	4606.0	4425.6	4228.9	3999.4	3785.9
2.5°	5214.7	5128.3	5050.2	4961.2	4840.6	4728.6	4618.6	4449.8	4248.4	4023.6	3805.8
0°	5233.3	5147.7	5073.9	4974.2	4865.1	4735.0	4624.8	4474.7	4257.7	4039.6	3813.3
-2.5°	5241.3	5152.9	5085.2	4972.8	4882.4	4749.6	4638.0	4493.0	4275.4	4067.9	3831.4
-5°	5283.6	5195.7	5107.2	4994.6	4899.5	4775.3	4649.7	4500.4	4288.7	4083.3	3839.6
-7.5°	5311.4	5222.3	5119.4	5010.1	4914.6	4796.1	4656.8	4501.1	4300.9	4083.0	3843.5
-10°	5328.9	5235.6	5134.0	5022.1	4923.5	4801.5	4654.4	4497.2	4298.5	4073.5	3834.9
-12.5°	5353.3	5248.4	5143.8	5016.8	4917.8	4792.5	4645.6	4488.2	4280.0	4055.6	3813.0
-15°	5362.5	5254.7	5132.4	5007.9	4899.8	4777.9	4626.3	4461.6	4247.9	4028.1	3777.1
-17.5°	5366.3	5243.7	5113.3	4993.8	4877.4	4748.1	4588.2	4412.9	4206.7	3979.6	3729.8
-20°	5363.3	5220.6	5086.4	4956.3	4834.3	4703.1	4538.0	4364.5	4147.8	3916.8	3668.6



REPORT NUMBER: P645463 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	5308.6	5179.4	5043.5	4902.4	4782.5	4643.3	4481.7	4302.1	4071.1	3847.8	3590.6
-25°	5248.3	5117.8	4977.4	4846.3	4718.5	4580.2	4414.2	4210.5	3991.2	3758.8	3495.9
-27.5°	5177.1	5039.9	4894.9	4761.5	4626.5	4490.4	4318.7	4113.6	3902.4	3648.3	3393.2
-30°	5080.9	4939.3	4791.5	4638.9	4515.5	4376.7	4206.9	4007.7	3780.9	3530.1	3287.3
-32.5°	4950.4	4817.2	4669.3	4524.3	4395.4	4249.7	4078.4	3880.6	3642.6	3405.3	3152.7
-35°	4817.7	4679.7	4538.8	4402.2	4266.4	4113.9	3939.0	3723.8	3496.3	3261.2	2999.1
-37.5°	4666.2	4522.5	4390.0	4260.2	4120.2	3963.9	3770.9	3562.9	3341.1	3082.7	2833.2
-40°	4503.4	4365.0	4220.4	4092.1	3942.7	3785.0	3598.5	3396.4	3152.4	2897.0	2662.5
-42.5°	4310.2	4171.8	4023.0	3880.1	3735.0	3585.0	3416.5	3197.8	2956.1	2715.2	2471.6
-45°	4076.8	3938.4	3792.0	3644.7	3508.9	3363.2	3206.4	2973.3	2734.5	2504.9	2271.2
-47.5°	3814.2	3680.0	3538.8	3392.8	3263.7	3117.3	2926.3	2709.4	2498.1	2279.6	2040.4
-50°	3529.1	3401.3	3270.8	3135.3	2990.2	2825.1	2641.8	2452.6	2243.3	2019.0	1800.5
-52.5°	3217.4	3100.5	2977.2	2847.0	2697.2	2533.4	2361.7	2160.8	1952.0	1761.7	1562.9
-55°	2892.1	2776.7	2654.9	2524.7	2385.1	2223.1	2045.2	1862.4	1692.0	1515.9	1364.3
-57.5°	2532.2	2422.8	2306.7	2183.9	2055.0	1904.3	1748.3	1593.2	1458.2	1321.3	1183.7
-60°	2147.5	2045.4	1946.7	1837.8	1718.8	1589.1	1475.3	1360.8	1246.3	1137.1	1026.3
-62.5°	1775.0	1689.6	1600.8	1512.5	1422.0	1328.3	1234.0	1145.7	1055.4	962.8	881.3
-65°	1422.9	1357.9	1287.9	1226.7	1162.5	1094.8	1019.0	949.8	884.1	816.3	746.9
-67.5°	1127.3	1080.9	1031.5	983.2	939.2	892.3	839.1	783.1	731.1	680.8	629.7
-70°	884.3	853.6	821.5	786.3	751.2	715.8	676.7	635.4	593.7	556.0	520.0
-72.5°	678.7	657.5	633.1	607.8	580.8	556.7	530.0	502.1	473.8	445.3	418.1
-75°	525.2	509.8	493.1	474.2	451.3	424.2	404.0	390.5	373.4	352.6	330.0
-77.5°	415.4	404.2	392.2	376.0	359.3	342.0	325.0	308.2	291.5	275.8	261.4
-80°	305.6	300.3	293.7	280.3	266.9	253.6	240.8	230.5	220.8	210.1	197.0
-82.5°	179.4	178.7	176.8	169.4	161.8	154.4	147.2	140.0	132.3	124.3	116.2
-85°	57.9	61.1	63.7	64.9	65.7	65.9	65.5	63.6	61.4	58.9	56.1
-87.5°	12.7	12.8	12.8	13.3	13.7	14.1	14.4	15.1	15.8	16.2	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: P645463 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.6	0.6	0.6
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.0	1.1	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.5	1.8	2.1
75°	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.6	1.8	2.1
72.5°	1.2	1.2	1.2	1.3	1.5	1.5	1.4	1.3	1.6	1.8	2.1
70°	1.4	1.3	1.2	1.4	1.7	1.9	1.8	1.9	1.6	1.9	2.1
67.5°	1.7	1.8	1.6	1.6	1.7	2.0	2.2	2.6	2.6	1.9	2.2
65°	1.8	2.1	2.4	3.3	2.9	2.0	2.3	4.6	3.6	3.1	2.2
62.5°	3.9	2.1	7.4	9.9	5.6	4.4	3.4	10.2	6.4	4.3	3.1
60°	9.2	7.5	20.6	33.1	23.1	7.8	11.4	17.7	16.2	5.6	4.4
57.5°	86.0	29.6	42.9	61.9	60.9	33.1	24.1	32.1	27.6	15.9	6.2
55°	183.6	154.5	102.0	93.4	100.9	81.5	53.0	52.0	42.7	29.5	10.1
52.5°	251.9	262.8	228.8	159.8	139.2	132.6	103.6	75.5	67.0	44.4	25.7
50°	364.6	339.5	336.1	282.2	195.2	176.7	152.9	117.9	94.0	63.5	43.4
47.5°	515.0	452.4	419.2	395.0	311.4	225.2	200.6	161.2	123.8	91.5	62.0
45°	736.0	584.8	520.5	481.2	426.7	316.7	251.0	203.3	161.4	122.8	81.4
42.5°	957.9	756.1	636.2	572.7	516.0	420.0	304.9	251.8	197.9	154.7	106.0
40°	1153.8	932.7	757.9	676.2	603.7	519.9	392.3	303.8	233.8	187.5	134.1
37.5°	1389.6	1133.8	897.8	784.6	697.2	603.2	480.9	358.0	277.0	221.9	162.2
35°	1617.7	1394.2	1054.4	915.6	801.2	688.7	566.2	422.1	329.9	256.9	190.2
32.5°	1862.7	1639.0	1291.0	1061.9	908.9	776.1	646.0	500.1	383.1	292.3	218.2
30°	2055.5	1800.2	1498.6	1208.4	1026.0	873.6	725.7	574.9	436.5	328.1	246.5
27.5°	2157.7	1939.6	1662.4	1371.6	1157.9	973.5	807.7	646.4	489.8	367.3	275.9
25°	2263.4	2037.9	1779.4	1514.2	1288.1	1079.3	889.4	714.6	548.0	411.6	305.0
22.5°	2389.9	2121.4	1878.2	1627.3	1422.4	1186.6	975.1	783.5	606.2	455.0	333.6
20°	2516.9	2199.0	1975.6	1781.1	1554.1	1302.7	1064.8	850.8	661.1	497.3	361.6
17.5°	2650.2	2339.9	2141.0	1931.3	1685.5	1415.1	1153.1	916.0	712.6	538.3	388.8
15°	2882.2	2550.8	2307.6	2077.4	1816.2	1523.3	1239.2	978.7	760.7	577.6	414.1
12.5°	3092.8	2747.1	2474.3	2218.6	1944.7	1626.4	1322.3	1038.3	805.2	609.0	436.7
10°	3267.1	2929.1	2639.2	2354.2	2069.4	1723.8	1401.5	1086.8	831.9	632.4	457.5
7.5°	3409.9	3097.4	2799.8	2483.3	2176.6	1787.5	1441.5	1115.1	852.6	652.3	476.4
5°	3513.0	3209.7	2885.2	2528.2	2210.1	1813.6	1468.7	1138.2	869.3	668.9	493.5
2.5°	3542.7	3244.2	2917.3	2552.9	2232.8	1830.5	1488.1	1155.8	882.1	682.4	508.6
0°	3560.0	3266.9	2937.4	2568.0	2244.4	1838.6	1499.8	1167.9	891.2	693.0	521.8
-2.5°	3584.2	3286.5	2956.8	2606.9	2252.1	1863.2	1506.4	1175.8	902.7	696.8	529.5
-5°	3596.3	3294.1	2966.0	2633.0	2250.0	1877.9	1505.6	1178.3	910.2	698.1	535.1
-7.5°	3591.0	3291.5	2966.4	2641.2	2239.9	1881.3	1497.4	1175.7	913.2	697.2	538.6
-10°	3574.8	3278.2	2955.0	2620.0	2230.5	1868.0	1482.8	1168.2	911.4	694.2	540.0
-12.5°	3550.2	3253.2	2931.9	2589.5	2211.0	1840.6	1465.6	1155.4	904.1	689.4	539.1
-15°	3518.2	3216.9	2896.7	2550.8	2178.8	1804.1	1439.8	1136.8	889.7	683.9	535.9
-17.5°	3477.2	3169.6	2849.3	2504.8	2133.6	1758.9	1405.1	1112.6	871.8	677.3	529.4
-20°	3404.0	3106.0	2789.1	2452.5	2074.9	1705.4	1361.5	1082.7	850.5	667.8	520.2



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CATALOG NUMBER: GFLD-SA4C-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°	3321.8	3027.4	2714.0	2382.0	2004.2	1643.8	1308.7	1047.3	825.8	655.5	509.1
-25°	3234.1	2938.8	2626.8	2284.4	1926.1	1578.8	1255.8	1006.2	798.1	640.2	496.3
-27.5°	3131.1	2838.5	2527.9	2176.8	1835.3	1503.3	1205.1	969.9	771.3	622.1	481.7
-30°	3015.4	2720.5	2404.3	2062.1	1735.9	1416.0	1148.2	931.0	748.6	602.2	465.4
-32.5°	2882.6	2590.5	2267.4	1944.6	1630.8	1323.4	1085.5	889.5	722.4	581.2	450.3
-35°	2731.6	2439.2	2122.2	1818.5	1519.5	1248.6	1024.2	845.4	692.6	558.4	434.4
-37.5°	2574.2	2276.9	1977.1	1686.9	1401.2	1167.6	969.0	801.9	659.4	534.0	416.9
-40°	2394.6	2109.9	1824.8	1551.3	1298.8	1080.6	909.3	758.9	628.1	508.1	397.7
-42.5°	2209.5	1934.7	1665.9	1407.7	1197.7	1009.8	846.8	712.7	594.9	483.0	376.9
-45°	2010.0	1749.8	1497.0	1286.7	1094.8	934.8	792.0	664.7	559.6	457.4	355.4
-47.5°	1799.5	1554.8	1343.4	1160.7	1007.4	859.4	733.8	623.2	522.5	429.9	333.9
-50°	1576.5	1373.3	1201.9	1051.2	913.2	791.6	675.8	579.8	488.5	399.5	311.3
-52.5°	1378.9	1216.1	1074.3	945.3	830.1	720.2	625.8	535.3	453.5	370.4	287.7
-55°	1209.6	1076.2	956.6	849.1	747.7	659.1	573.9	495.7	417.5	341.3	263.8
-57.5°	1063.5	946.9	851.1	757.7	674.0	598.4	526.6	455.3	383.0	311.1	244.9
-60°	923.0	835.9	750.7	675.7	604.8	540.7	482.0	414.9	348.1	280.9	223.9
-62.5°	801.7	727.3	662.9	597.6	538.7	486.4	437.0	375.4	312.3	253.0	201.1
-65°	688.0	630.9	576.0	523.9	475.1	430.7	390.8	334.9	276.4	223.4	177.4
-67.5°	580.0	537.0	493.9	450.2	411.7	375.8	341.7	291.1	238.8	192.3	153.9
-70°	483.6	446.8	413.1	380.5	349.4	319.5	287.3	244.6	199.6	164.4	129.8
-72.5°	392.5	365.6	337.6	310.8	287.8	261.5	231.9	198.6	167.1	136.0	105.3
-75°	308.2	290.5	270.7	249.5	228.0	204.5	184.9	161.7	134.2	107.0	84.8
-77.5°	246.6	229.3	209.5	192.6	178.2	162.1	144.4	124.2	102.4	83.3	65.6
-80°	181.9	168.7	157.5	147.8	134.5	119.8	105.0	90.3	74.4	59.6	46.0
-82.5°	110.9	108.1	105.0	100.5	89.4	78.5	67.8	57.3	46.1	35.6	29.5
-85°	55.5	54.4	52.7	50.3	43.5	36.9	33.8	30.7	26.9	23.2	19.7
-87.5°	18.3	19.6	20.7	21.5	20.0	18.5	16.9	15.4	13.5	11.6	9.9
-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):

	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	0.3	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	0.8	0.0
72.5°	2.4	2.5	2.4	2.1	1.4	0.9	0.0
70°	2.4	2.6	2.5	2.3	1.6	1.0	0.0
67.5°	2.7	2.7	2.7	2.4	1.8	1.1	0.0
65°	3.1	3.1	2.8	2.6	2.0	1.2	0.0
62.5°	3.6	3.8	2.9	2.7	2.2	1.4	0.0
60°	4.3	4.7	3.1	2.8	2.5	1.5	0.0
57.5°	8.0	5.6	4.0	2.9	2.6	1.6	0.0
55°	12.8	6.6	4.9	3.1	2.7	1.7	0.0
52.5°	18.3	8.5	6.0	3.2	2.9	1.8	0.0
50°	24.7	14.5	7.0	3.3	3.0	2.0	0.0
47.5°	33.3	21.0	8.2	3.6	3.1	2.1	0.0
45°	50.2	28.0	9.3	4.5	3.3	2.2	0.0
42.5°	67.5	35.4	10.6	5.4	3.4	2.3	0.0
40°	85.2	43.2	14.2	6.6	3.6	2.4	0.0
37.5°	103.3	51.4	20.3	8.0	3.7	2.5	0.0
35°	121.6	63.9	26.6	9.6	3.9	2.6	0.0
32.5°	141.5	78.3	32.9	11.3	4.1	2.7	0.0
30°	164.2	92.7	39.2	13.1	4.2	2.8	0.0
27.5°	186.5	106.9	47.0	15.1	4.4	2.9	0.0
25°	208.3	120.8	55.0	17.2	4.5	2.9	0.0
22.5°	229.4	135.0	63.1	19.4	4.7	3.0	0.0
20°	249.8	150.3	71.0	21.6	4.8	3.1	0.0
17.5°	270.0	165.1	78.8	23.9	5.0	3.2	0.0
15°	289.4	179.2	86.4	26.2	5.1	3.2	0.0
12.5°	307.5	192.8	93.7	28.5	5.3	3.3	0.0
10°	324.3	205.6	100.7	30.7	5.4	3.3	0.0
7.5°	339.8	217.5	107.4	32.9	5.5	3.4	0.0
5°	353.9	228.5	113.6	35.0	5.7	3.4	0.0
2.5°	366.5	238.5	119.2	36.9	5.8	3.5	0.0
0°	377.6	247.4	124.3	38.7	5.9	3.5	0.0
-2.5°	383.1	253.0	129.0	41.2	6.8	3.7	0.0
-5°	387.2	257.5	133.1	43.5	7.7	3.9	0.0
-7.5°	389.7	260.7	136.3	45.6	8.6	4.1	0.0
-10°	390.9	262.8	138.8	47.4	9.4	4.3	0.0
-12.5°	390.7	263.6	140.5	48.9	10.2	4.4	0.0
-15°	389.2	263.2	141.3	50.1	11.0	4.6	0.0
-17.5°	386.3	261.6	141.2	51.0	11.7	4.7	0.0
-20°	381.9	258.9	140.2	51.5	12.4	4.8	0.0

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CATALOG NUMBER: GFLD-SA4C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	375.5	254.9	138.2	51.7	12.9	4.9	0.0
-25°	367.6	248.8	135.3	51.5	13.5	5.0	0.0
-27.5°	358.3	241.2	131.3	50.8	13.9	5.0	0.0
-30°	347.5	232.5	126.4	49.8	14.3	5.1	0.0
-32.5°	335.2	222.8	120.7	48.3	14.5	5.1	0.0
-35°	322.0	212.0	114.3	46.4	14.7	5.1	0.0
-37.5°	307.7	201.3	107.2	44.1	14.8	5.0	0.0
-40°	292.4	191.5	99.6	41.4	14.8	5.0	0.0
-42.5°	276.0	181.0	93.8	38.4	14.7	4.9	0.0
-45°	258.6	169.9	89.8	35.4	14.6	4.8	0.0
-47.5°	240.1	158.1	85.1	32.0	14.3	4.7	0.0
-50°	224.7	145.7	79.7	30.8	13.9	4.6	0.0
-52.5°	209.3	132.7	73.7	30.2	13.5	4.4	0.0
-55°	193.3	122.9	66.9	29.3	13.0	4.2	0.0
-57.5°	176.6	112.9	59.5	28.0	12.3	4.0	0.0
-60°	159.8	102.0	51.8	26.4	11.6	3.8	0.0
-62.5°	144.3	90.2	48.1	24.5	10.9	3.5	0.0
-65°	127.8	77.6	43.9	22.4	10.2	3.3	0.0
-67.5°	110.2	67.1	39.2	20.0	9.3	3.0	0.0
-70°	91.7	58.7	34.1	17.3	8.4	2.7	0.0
-72.5°	77.6	49.7	28.6	15.3	7.5	2.4	0.0
-75°	63.4	40.2	22.8	13.3	6.5	2.1	0.0
-77.5°	48.6	30.1	18.8	11.2	5.5	1.8	0.0
-80°	33.2	23.0	15.2	9.0	4.4	1.4	0.0
-82.5°	24.4	17.4	11.5	6.8	3.3	1.1	0.0
-85°	16.3	11.6	7.7	4.6	2.2	0.7	0.0
-87.5°	8.2	5.8	3.9	2.3	1.1	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)