

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: P645487 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645487 (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-SA4E-722-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

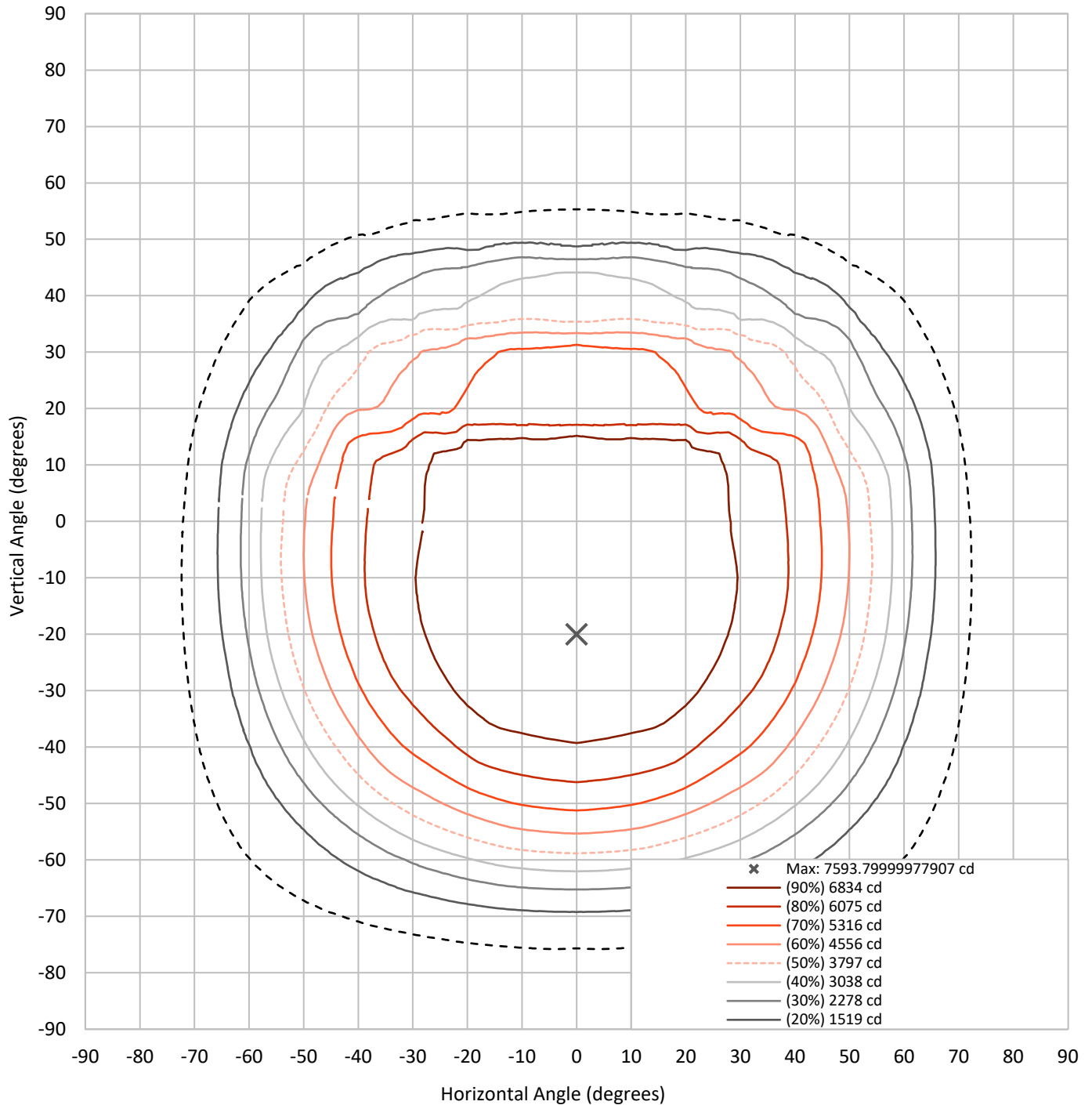
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17806 lumens	Max Intensity:	7593.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	69.6 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:	13919.7 lumens	Field Lumens:	17452.4 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	255.9		
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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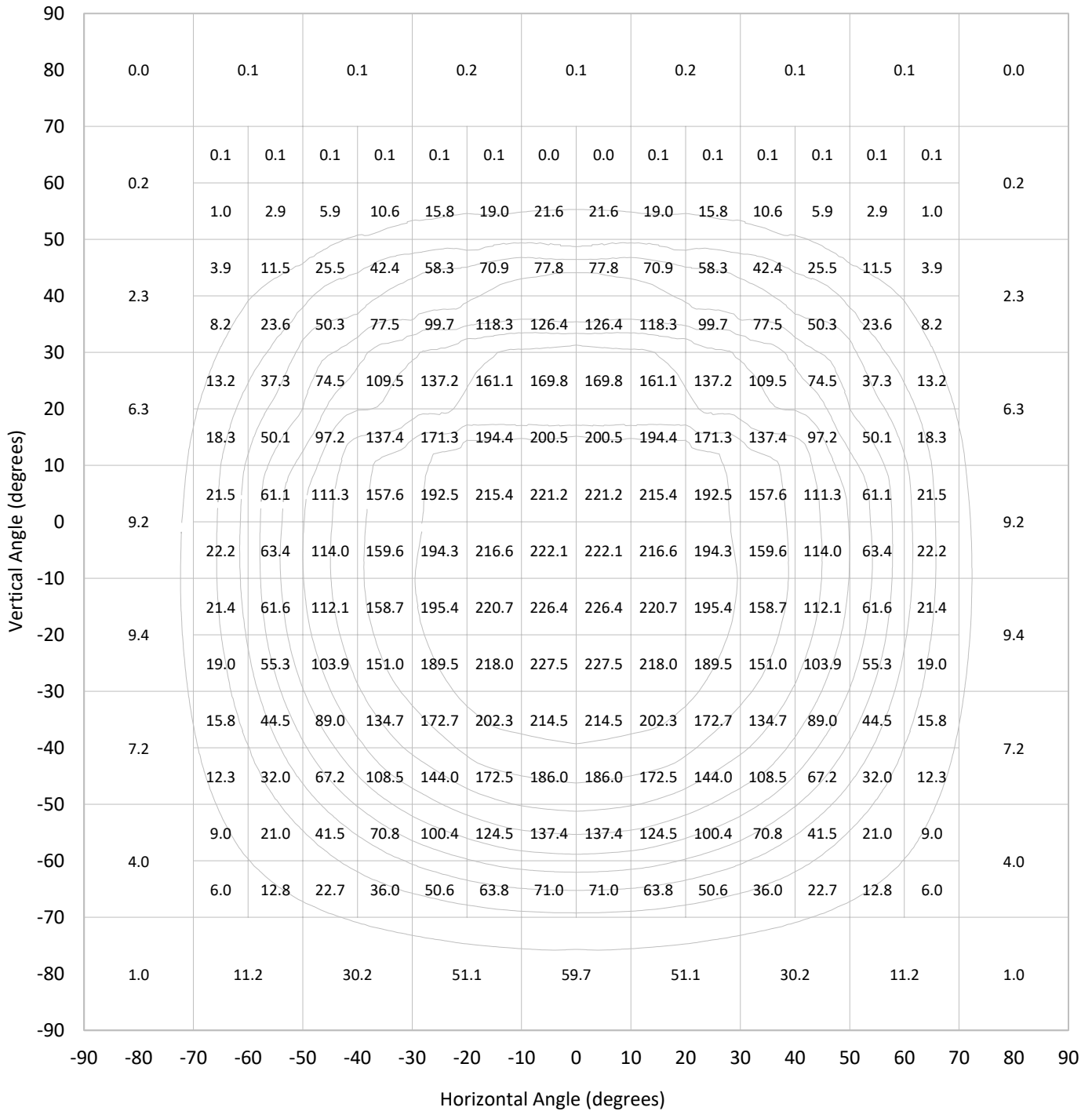
Iso-Candela Plot





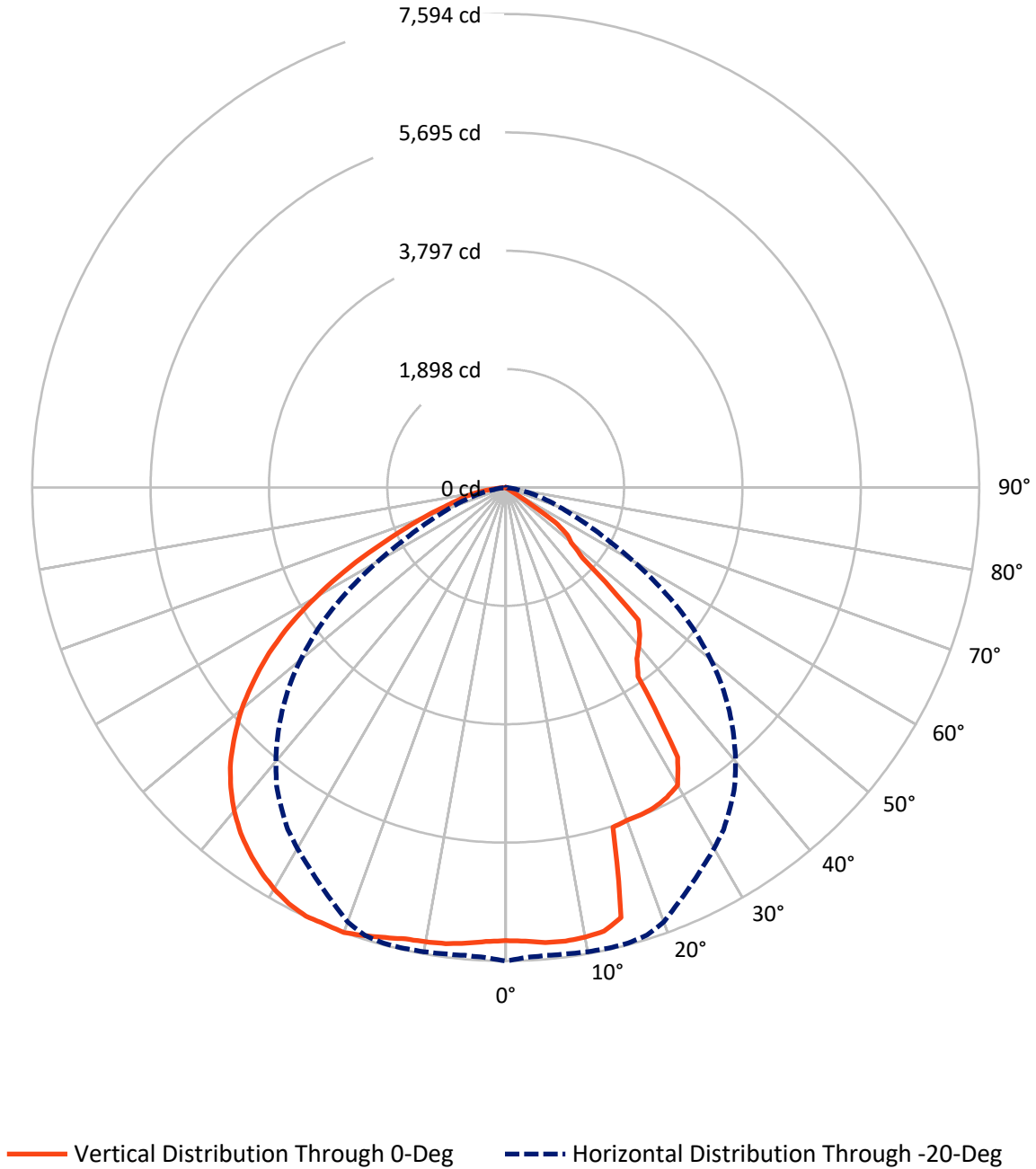
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Lumen Table



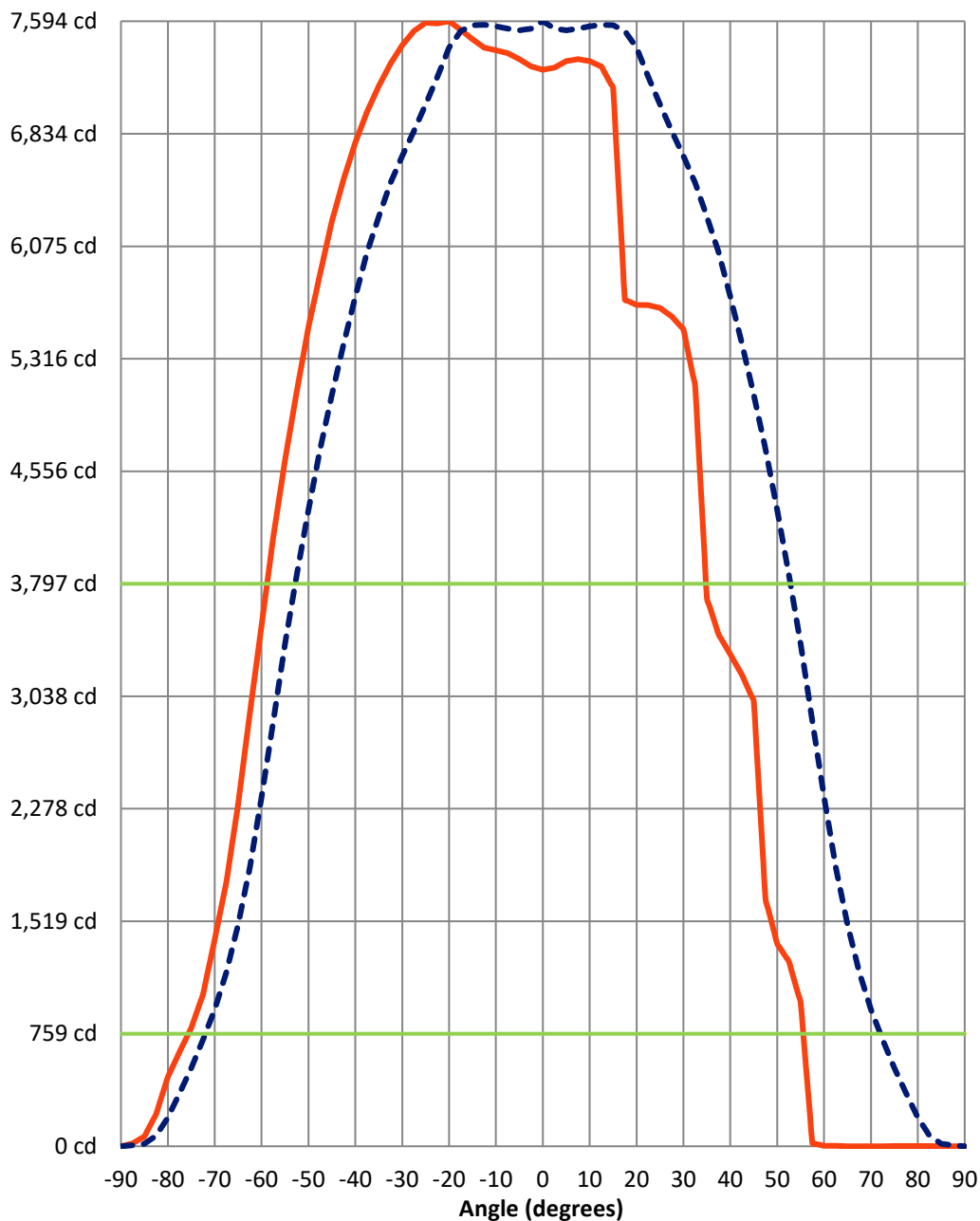
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 13919.7
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 17452.4
 Efficiency: 98.0%

Spill:
 Lumens: 353.6
 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	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7
85°	0.0	0.4	0.6	0.8	1.1	1.4	1.7	1.7	1.6	1.5	1.4
82.5°	0.0	0.5	0.8	1.2	1.7	2.1	2.5	2.5	2.4	2.0	1.6
80°	0.0	0.7	1.1	1.7	2.2	2.8	3.2	2.8	2.4	2.0	1.7
77.5°	0.0	0.9	1.4	2.1	2.8	3.2	3.2	2.9	2.5	2.1	1.7
75°	0.0	1.1	1.7	2.5	3.2	3.3	3.2	2.9	2.5	2.1	1.7
72.5°	0.0	1.2	2.0	2.9	3.4	3.5	3.3	2.9	2.5	2.2	1.8
70°	0.0	1.4	2.3	3.2	3.5	3.6	3.4	3.0	2.6	2.2	2.5
67.5°	0.0	1.6	2.5	3.4	3.7	3.7	3.8	3.0	2.7	3.6	3.6
65°	0.0	1.7	2.8	3.6	3.9	4.3	4.3	3.0	4.3	5.0	6.3
62.5°	0.0	1.9	3.1	3.7	4.1	5.3	5.0	4.3	6.0	8.8	14.1
60°	0.0	2.1	3.4	3.9	4.3	6.5	6.0	6.1	7.8	22.5	24.5
57.5°	0.0	2.2	3.6	4.1	5.5	7.8	11.1	8.6	22.0	38.2	44.4
55°	0.0	2.4	3.8	4.3	6.9	9.2	17.7	14.0	40.9	59.0	71.9
52.5°	0.0	2.6	4.0	4.5	8.3	11.8	25.4	35.5	61.4	92.6	104.4
50°	0.0	2.7	4.2	4.7	9.8	20.1	34.2	60.0	87.8	130.0	163.0
47.5°	0.0	2.9	4.4	5.1	11.3	29.1	46.0	85.7	126.5	171.2	222.9
45°	0.0	3.0	4.6	6.3	12.9	38.7	69.4	112.5	169.8	223.1	281.1
42.5°	0.0	3.2	4.8	7.6	14.6	48.9	93.3	146.6	213.9	273.7	348.1
40°	0.0	3.3	5.0	9.1	19.6	59.7	117.8	185.4	259.3	323.3	420.0
37.5°	0.0	3.5	5.2	11.1	28.1	71.1	142.8	224.2	306.9	382.9	495.0
35°	0.0	3.6	5.4	13.2	36.7	88.3	168.1	263.0	355.2	456.1	583.6
32.5°	0.0	3.7	5.6	15.6	45.4	108.3	195.6	301.7	404.2	529.7	691.4
30°	0.0	3.9	5.8	18.2	54.2	128.1	227.0	340.8	453.5	603.5	794.8
27.5°	0.0	4.0	6.1	20.9	65.0	147.7	257.8	381.4	507.8	677.2	893.7
25°	0.0	4.1	6.3	23.8	76.1	167.0	287.9	421.6	569.1	757.7	987.9
22.5°	0.0	4.2	6.5	26.8	87.2	186.7	317.1	461.2	629.1	838.1	1083.3
20°	0.0	4.3	6.7	29.9	98.1	207.8	345.3	499.9	687.6	914.0	1176.4
17.5°	0.0	4.4	6.9	33.0	108.9	228.2	373.2	537.6	744.2	985.3	1266.5
15°	0.0	4.5	7.1	36.2	119.4	247.8	400.0	572.5	798.6	1051.7	1353.1
12.5°	0.0	4.6	7.3	39.4	129.6	266.5	425.1	603.7	841.9	1113.2	1435.5
10°	0.0	4.7	7.5	42.5	139.3	284.2	448.4	632.5	874.3	1150.1	1502.6
7.5°	0.0	4.7	7.6	45.5	148.5	300.7	469.8	658.6	901.9	1178.7	1541.8
5°	0.0	4.8	7.8	48.3	157.0	316.0	489.2	682.2	924.8	1201.8	1573.6
2.5°	0.0	4.9	8.0	51.0	164.9	329.8	506.6	703.2	943.5	1219.5	1598.0
0°	0.0	4.9	8.1	53.5	171.9	342.1	522.0	721.4	958.1	1232.1	1614.7
-2.5°	0.0	5.2	9.4	57.0	178.4	349.9	529.7	732.0	963.4	1248.0	1625.6
-5°	0.0	5.4	10.6	60.2	184.0	356.0	535.2	739.8	965.2	1258.3	1629.1
-7.5°	0.0	5.7	11.8	63.0	188.5	360.5	538.8	744.7	963.9	1262.6	1625.5
-10°	0.0	5.9	13.0	65.5	192.0	363.3	540.4	746.5	959.7	1260.1	1615.2
-12.5°	0.0	6.1	14.1	67.6	194.3	364.5	540.2	745.3	953.1	1249.9	1597.5
-15°	0.0	6.3	15.2	69.3	195.4	363.9	538.0	740.9	945.6	1230.1	1571.7
-17.5°	0.0	6.5	16.1	70.5	195.2	361.8	534.1	732.0	936.4	1205.3	1538.3
-20°	0.0	6.7	17.0	71.2	193.8	357.9	528.0	719.2	923.3	1175.8	1497.0

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CATALOG NUMBER: GFLD-SA4E-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.8	17.9	71.4	191.1	352.4	519.2	703.9	906.2	1141.8	1448.0
-25°	0.0	6.9	18.6	71.1	187.0	344.0	508.3	686.1	885.2	1103.5	1391.2
-27.5°	0.0	7.0	19.2	70.2	181.5	333.4	495.4	665.9	860.0	1066.4	1340.9
-30°	0.0	7.0	19.7	68.8	174.7	321.4	480.5	643.4	832.6	1035.0	1287.2
-32.5°	0.0	7.1	20.1	66.8	166.8	308.0	463.5	622.6	803.5	998.7	1229.8
-35°	0.0	7.0	20.3	64.2	157.9	293.1	445.2	600.7	772.0	957.6	1168.9
-37.5°	0.0	7.0	20.5	61.0	148.2	278.2	425.5	576.4	738.3	911.7	1108.7
-40°	0.0	6.9	20.5	57.2	137.6	264.7	404.3	549.9	702.5	868.3	1049.3
-42.5°	0.0	6.8	20.4	53.1	129.6	250.2	381.6	521.1	667.8	822.5	985.3
-45°	0.0	6.7	20.1	48.9	124.1	234.8	357.4	491.4	632.3	773.7	919.0
-47.5°	0.0	6.5	19.8	44.2	117.6	218.5	331.9	461.6	594.3	722.4	861.7
-50°	0.0	6.3	19.3	42.6	110.2	201.4	310.6	430.4	552.3	675.4	801.6
-52.5°	0.0	6.1	18.6	41.7	101.8	183.4	289.3	397.8	512.2	627.0	740.0
-55°	0.0	5.8	17.9	40.4	92.5	169.8	267.1	364.7	471.9	577.2	685.4
-57.5°	0.0	5.6	17.0	38.7	82.3	156.0	244.2	338.5	430.1	529.5	629.5
-60°	0.0	5.2	16.1	36.5	71.6	140.9	220.8	309.5	388.4	481.3	573.6
-62.5°	0.0	4.9	15.1	33.9	66.5	124.6	199.5	278.0	349.8	431.8	519.0
-65°	0.0	4.5	14.0	30.9	60.7	107.2	176.7	245.2	308.9	382.1	463.0
-67.5°	0.0	4.2	12.9	27.6	54.2	92.7	152.4	212.8	265.9	330.2	402.5
-70°	0.0	3.7	11.6	23.9	47.2	81.1	126.8	179.5	227.2	276.0	338.2
-72.5°	0.0	3.3	10.3	21.1	39.6	68.7	107.3	145.5	188.0	231.0	274.7
-75°	0.0	2.9	9.0	18.3	31.5	55.5	87.7	117.2	147.9	185.5	223.6
-77.5°	0.0	2.4	7.6	15.4	26.0	41.6	67.2	90.6	115.1	141.5	171.7
-80°	0.0	2.0	6.1	12.5	21.0	31.7	45.8	63.5	82.4	102.9	124.9
-82.5°	0.0	1.5	4.6	9.4	15.9	24.0	33.7	40.8	49.3	63.7	79.3
-85°	0.0	1.0	3.1	6.3	10.6	16.1	22.6	27.3	32.1	37.2	42.4
-87.5°	0.0	0.5	1.5	3.2	5.3	8.1	11.3	13.7	16.1	18.6	21.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA4E-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
85°	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.9	2.1	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	2.5	2.6	2.3	1.9	1.6	1.7	1.8	1.8	1.6	1.6	1.6
67.5°	3.1	2.7	2.3	2.2	2.2	2.4	2.4	2.0	1.6	1.6	1.7
65°	3.2	2.8	4.0	4.6	3.3	2.8	2.4	2.1	2.2	2.3	2.3
62.5°	4.8	6.0	7.7	13.7	10.2	2.9	5.3	6.3	4.6	3.8	4.1
60°	15.8	10.8	31.9	45.8	28.5	10.4	12.7	42.3	36.7	6.8	22.9
57.5°	33.3	45.7	84.1	85.6	59.3	40.9	118.9	137.4	104.0	60.7	92.8
55°	73.3	112.6	139.5	129.1	141.1	213.7	253.8	228.0	192.0	295.3	377.2
52.5°	143.2	183.3	192.4	221.0	316.3	363.4	348.2	372.4	482.9	599.7	625.1
50°	211.4	244.2	269.8	390.1	464.7	469.4	504.1	613.6	761.0	832.4	815.2
47.5°	277.3	311.3	430.5	546.1	579.6	625.5	712.1	923.4	1079.5	1082.6	1065.0
45°	347.0	437.8	589.9	665.3	719.7	808.5	1017.6	1309.1	1324.3	1366.6	1627.2
42.5°	421.6	580.7	713.4	791.9	879.6	1045.3	1324.4	1515.6	1581.4	1766.9	1976.4
40°	542.3	718.7	834.7	934.9	1047.8	1289.5	1595.2	1774.4	1827.8	1988.3	2145.8
37.5°	664.8	834.0	963.9	1084.8	1241.3	1567.6	1921.2	2069.0	2096.0	2125.4	2474.4
35°	782.8	952.2	1107.7	1265.9	1457.9	1927.5	2236.6	2375.5	2371.3	2569.4	2934.9
32.5°	893.2	1073.0	1256.6	1468.2	1784.9	2266.0	2575.2	2658.5	2784.6	3073.0	3571.9
30°	1003.3	1207.8	1418.6	1670.7	2071.9	2488.9	2841.9	2975.8	3192.0	3521.1	3884.2
27.5°	1116.8	1346.0	1600.9	1896.3	2298.3	2681.7	2983.2	3303.1	3513.2	3808.1	4066.3
25°	1229.8	1492.3	1780.9	2093.6	2460.3	2817.6	3129.4	3498.8	3724.4	3962.1	4203.1
22.5°	1348.3	1640.6	1966.6	2249.9	2596.8	2933.0	3304.3	3705.0	3998.2	4149.4	4311.1
20°	1472.2	1801.1	2148.7	2462.6	2731.5	3040.3	3479.9	3966.6	4345.3	4515.3	4537.5
17.5°	1594.2	1956.5	2330.3	2670.2	2960.2	3235.1	3664.2	4280.2	4751.1	4909.1	4979.4
15°	1713.3	2106.1	2511.0	2872.2	3190.5	3526.6	3984.9	4611.3	5149.6	5324.5	5435.1
12.5°	1828.2	2248.7	2688.7	3067.5	3421.0	3798.0	4276.1	4849.6	5340.9	5679.2	5882.2
10°	1937.7	2383.3	2861.2	3255.0	3648.9	4049.8	4517.1	5027.1	5427.0	5753.4	6041.4
7.5°	1993.0	2471.3	3009.4	3433.4	3871.0	4282.4	4714.4	5152.2	5489.1	5809.1	6087.6
5°	2030.5	2507.5	3055.7	3495.5	3989.1	4437.6	4857.1	5234.4	5529.6	5846.8	6118.8
2.5°	2057.3	2530.9	3087.0	3529.6	4033.4	4485.3	4898.1	5261.8	5563.0	5873.7	6152.3
0°	2073.5	2542.1	3103.0	3550.5	4061.2	4516.7	4922.0	5272.2	5585.1	5886.7	6186.6
-2.5°	2082.7	2576.1	3113.7	3604.3	4088.0	4543.8	4955.4	5297.3	5624.3	5911.2	6211.9
-5°	2081.6	2596.4	3110.9	3640.5	4100.9	4554.3	4972.1	5308.6	5645.5	5929.6	6222.2
-7.5°	2070.3	2601.1	3096.9	3651.8	4101.4	4550.8	4964.8	5314.0	5645.2	5946.4	6223.1
-10°	2050.1	2582.7	3083.9	3622.5	4085.7	4532.3	4942.4	5302.1	5632.0	5943.0	6217.7
-12.5°	2026.4	2544.8	3056.9	3580.3	4053.7	4497.9	4908.4	5271.7	5607.3	5917.6	6205.3
-15°	1990.7	2494.4	3012.4	3526.7	4005.0	4447.7	4864.2	5222.2	5569.2	5873.1	6168.5
-17.5°	1942.8	2431.9	2949.9	3463.1	3939.5	4382.3	4807.6	5156.8	5502.1	5816.1	6101.3
-20°	1882.4	2357.9	2868.7	3390.9	3856.2	4294.4	4706.4	5072.1	5415.3	5734.6	6034.2



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CATALOG NUMBER: GFLD-SA4E-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1809.4	2272.8	2771.0	3293.3	3752.4	4185.6	4592.7	4964.3	5319.8	5628.7	5948.0
-25°	1736.3	2182.9	2662.9	3158.3	3631.8	4063.1	4471.4	4833.4	5196.8	5518.1	5821.4
-27.5°	1666.2	2078.5	2537.5	3009.7	3495.1	3924.4	4329.0	4691.3	5044.1	5395.3	5687.4
-30°	1587.6	1957.8	2400.0	2851.0	3324.2	3761.3	4168.9	4544.9	4880.6	5227.4	5541.0
-32.5°	1500.8	1829.7	2254.8	2688.7	3134.9	3581.6	3985.4	4358.9	4708.1	5036.2	5365.3
-35°	1416.0	1726.3	2100.9	2514.3	2934.3	3372.5	3776.6	4146.5	4508.9	4833.9	5148.4
-37.5°	1339.7	1614.3	1937.3	2332.3	2733.6	3148.1	3559.1	3917.1	4262.0	4619.4	4926.0
-40°	1257.2	1494.0	1795.7	2144.8	2523.0	2917.2	3310.7	3681.1	4005.3	4358.5	4695.7
-42.5°	1170.7	1396.1	1655.9	1946.3	2303.3	2675.0	3054.9	3417.2	3753.9	4087.0	4421.2
-45°	1095.0	1292.4	1513.7	1779.0	2069.7	2419.3	2779.0	3140.1	3463.2	3780.7	4110.8
-47.5°	1014.5	1188.2	1392.9	1604.8	1857.4	2149.7	2488.0	2821.1	3151.8	3453.9	3746.0
-50°	934.3	1094.4	1262.6	1453.3	1661.8	1898.7	2179.7	2489.4	2791.5	3101.6	3391.0
-52.5°	865.2	995.8	1147.7	1306.9	1485.4	1681.4	1906.5	2160.8	2435.6	2698.8	2987.5
-55°	793.5	911.2	1033.8	1174.0	1322.5	1488.0	1672.5	1886.2	2095.9	2339.3	2574.9
-57.5°	728.1	827.3	931.9	1047.7	1176.7	1309.1	1470.4	1636.7	1826.9	2016.1	2202.7
-60°	666.4	747.5	836.2	934.2	1037.9	1155.8	1276.2	1419.0	1572.2	1723.2	1881.5
-62.5°	604.2	672.4	744.8	826.2	916.6	1005.7	1108.4	1218.4	1331.2	1459.2	1584.0
-65°	540.3	595.5	656.8	724.3	796.4	872.3	951.2	1032.7	1128.6	1222.4	1313.2
-67.5°	472.4	519.6	569.2	622.3	682.9	742.4	801.9	870.7	941.4	1010.8	1082.7
-70°	397.2	441.7	483.0	526.1	571.1	617.7	668.5	719.0	768.8	820.8	878.6
-72.5°	320.7	361.6	398.0	429.8	466.7	505.5	542.6	578.0	615.6	655.1	694.2
-75°	255.7	282.8	315.3	345.0	374.3	401.6	426.1	456.2	487.5	516.2	539.8
-77.5°	199.6	224.2	246.4	266.3	289.7	317.0	340.9	361.4	381.3	403.1	426.1
-80°	145.2	165.6	185.9	204.3	217.8	233.2	251.5	272.4	290.5	305.3	318.7
-82.5°	93.8	108.5	123.6	138.9	145.1	149.4	153.4	160.6	171.9	183.0	193.5
-85°	46.8	51.0	60.2	69.6	72.9	75.2	76.7	77.6	81.4	84.9	88.0
-87.5°	23.4	25.5	27.7	29.8	28.7	27.1	25.2	22.9	22.4	21.7	20.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645487 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-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°	1.3	1.3	1.4	1.4	1.5	1.1	0.8	0.4	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.2	0.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.0
65°	2.2	2.2	2.3	2.2	2.0	1.9	2.0	1.9	1.7	1.4	1.0
62.5°	4.0	4.6	3.6	3.6	3.5	3.4	3.2	3.1	2.9	2.7	2.8
60°	25.4	15.0	8.8	10.3	9.2	6.2	7.8	9.1	9.2	8.4	7.4
57.5°	140.9	105.2	77.9	186.0	186.6	89.1	107.3	168.6	138.9	45.6	42.3
55°	392.0	468.9	617.1	586.2	595.7	685.1	748.1	662.3	649.3	691.9	799.3
52.5°	704.3	777.6	827.4	874.1	930.9	991.9	1054.7	1094.8	1132.1	1171.9	1195.6
50°	899.4	1002.6	1073.6	1047.5	1194.4	1254.5	1193.5	1248.0	1314.5	1332.8	1341.4
47.5°	1328.0	1479.4	1509.5	1607.0	1694.7	1692.8	1618.4	1622.7	1820.8	1995.5	2081.3
45°	1908.5	1913.7	2008.9	2181.1	2304.3	2265.5	2369.4	2605.6	2684.3	2760.3	2822.6
42.5°	2134.6	2228.4	2380.3	2532.7	2624.5	2704.1	2781.0	2867.8	2969.9	3052.7	3118.9
40°	2353.6	2429.2	2584.8	2707.4	2783.5	2857.8	2947.4	3043.6	3137.0	3209.8	3259.4
37.5°	2690.7	2749.3	2787.1	2901.0	3044.8	2978.5	3148.6	3270.5	3326.2	3400.1	3406.7
35°	3200.7	3161.7	3111.2	3564.5	3591.7	3438.6	3597.6	3786.7	3687.0	3894.6	4006.2
32.5°	3652.7	3646.9	4042.5	4280.8	4143.7	4255.7	4622.3	4606.1	4850.5	4963.9	4931.5
30°	4078.6	4224.0	4452.7	4630.2	4654.0	4830.5	4993.3	5136.0	5283.5	5415.7	5424.8
27.5°	4294.9	4484.5	4639.8	4742.5	4857.1	5005.6	5153.4	5314.0	5439.5	5522.4	5542.7
25°	4425.7	4619.4	4737.0	4847.5	4974.0	5102.1	5267.6	5442.5	5543.3	5594.5	5610.8
22.5°	4541.0	4715.0	4841.5	4931.1	5067.2	5205.1	5359.4	5507.5	5617.0	5639.3	5647.5
20°	4651.9	4819.2	5030.3	5162.3	5155.8	5311.1	5459.7	5577.5	5668.8	5668.3	5670.5
17.5°	4973.0	5032.7	5415.9	5706.8	5562.8	5486.8	5895.6	5903.4	5927.6	5879.4	5774.8
15°	5448.4	5557.1	6027.9	6343.2	6243.9	6238.8	6829.2	6682.8	6808.8	6775.8	6917.6
12.5°	5952.0	6080.7	6432.5	6742.2	6889.7	6926.0	7123.3	7308.0	7346.0	7331.0	7303.1
10°	6295.0	6478.4	6619.7	6807.7	6956.5	7108.4	7222.6	7355.3	7398.7	7373.6	7338.1
7.5°	6339.7	6520.9	6686.8	6851.7	6993.5	7115.9	7234.4	7342.4	7386.7	7372.0	7347.7
5°	6368.1	6532.2	6693.1	6860.4	6996.0	7109.3	7227.5	7336.9	7363.0	7345.4	7321.7
2.5°	6385.6	6537.5	6692.5	6859.2	6982.3	7090.2	7209.9	7326.6	7326.4	7318.7	7304.7
0°	6394.1	6546.5	6726.5	6877.2	7015.0	7117.2	7235.5	7349.0	7340.9	7319.8	7295.5
-2.5°	6412.3	6566.7	6750.4	6875.4	7030.7	7124.3	7246.6	7344.9	7341.1	7330.7	7318.6
-5°	6428.6	6602.2	6774.0	6905.5	7061.2	7183.6	7305.1	7382.0	7386.1	7371.6	7351.4
-7.5°	6438.5	6631.0	6794.9	6926.9	7077.9	7220.2	7343.5	7424.2	7425.9	7406.7	7382.5
-10°	6435.2	6638.5	6807.1	6943.6	7098.2	7238.7	7367.6	7469.9	7466.6	7448.3	7427.6
-12.5°	6423.0	6626.1	6799.3	6936.1	7111.7	7256.3	7401.4	7503.1	7508.5	7494.8	7472.4
-15°	6396.3	6605.9	6774.4	6923.8	7096.0	7265.1	7414.1	7526.3	7546.3	7535.1	7517.4
-17.5°	6343.5	6564.7	6743.4	6904.4	7069.6	7249.8	7419.3	7542.0	7569.4	7564.9	7550.2
-20°	6274.1	6502.4	6683.9	6852.5	7032.3	7217.9	7415.2	7527.3	7567.0	7569.5	7559.6



REPORT NUMBER: P645487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	6196.3	6419.7	6612.2	6778.1	6973.0	7160.9	7339.5	7470.8	7537.5	7550.0	7550.8
-25°	6102.9	6332.5	6523.8	6700.4	6881.7	7075.8	7256.2	7402.9	7470.5	7502.8	7512.8
-27.5°	5971.0	6208.3	6396.5	6583.2	6767.6	6968.1	7157.8	7317.2	7372.2	7416.6	7434.4
-30°	5816.5	6051.1	6243.0	6413.6	6624.7	6829.1	7024.9	7163.9	7246.9	7297.7	7325.5
-32.5°	5638.7	5875.6	6077.0	6255.2	6455.8	6660.2	6844.4	6991.0	7105.4	7164.1	7193.8
-35°	5446.0	5687.9	5898.7	6086.4	6275.3	6470.1	6660.9	6814.4	6944.7	6995.1	7032.3
-37.5°	5213.6	5480.4	5696.6	5890.2	6069.6	6252.7	6451.5	6626.9	6753.5	6802.3	6841.6
-40°	4975.2	5233.1	5451.2	5657.7	5835.1	6035.0	6226.4	6410.3	6520.1	6577.1	6621.5
-42.5°	4723.6	4956.6	5163.9	5364.5	5562.1	5767.9	5959.2	6150.3	6245.3	6314.0	6368.4
-45°	4433.1	4649.9	4851.4	5039.1	5242.7	5445.1	5636.6	5805.5	5918.5	6007.9	6077.4
-47.5°	4045.9	4310.0	4512.3	4690.8	4892.7	5088.0	5273.5	5432.3	5556.2	5660.8	5741.6
-50°	3652.6	3906.0	4134.2	4334.8	4522.2	4702.7	4879.2	5034.6	5165.7	5279.1	5360.9
-52.5°	3265.3	3502.7	3729.2	3936.2	4116.3	4286.8	4448.3	4604.6	4742.9	4864.1	4943.3
-55°	2827.6	3073.6	3297.6	3490.7	3670.6	3839.1	3998.6	4146.8	4282.9	4406.4	4482.3
-57.5°	2417.1	2632.9	2841.2	3019.5	3189.3	3349.8	3501.0	3642.9	3773.9	3890.1	3963.2
-60°	2039.7	2197.1	2376.4	2541.0	2691.5	2828.0	2969.1	3101.4	3221.8	3323.9	3392.1
-62.5°	1706.2	1836.5	1966.0	2091.2	2213.3	2336.0	2454.1	2563.8	2664.4	2748.0	2807.8
-65°	1408.9	1513.7	1607.3	1696.1	1780.6	1877.4	1967.2	2051.7	2129.9	2194.0	2239.5
-67.5°	1160.1	1233.7	1298.5	1359.4	1426.1	1494.5	1558.6	1614.4	1662.2	1700.2	1730.2
-70°	935.6	989.7	1038.5	1087.1	1135.8	1180.2	1222.6	1263.7	1302.7	1334.5	1358.4
-72.5°	732.7	769.7	802.9	840.3	875.3	909.1	938.4	962.1	980.5	998.4	1014.1
-75°	558.6	586.4	623.9	655.6	681.7	704.9	726.1	745.0	761.6	776.3	789.3
-77.5°	449.3	472.9	496.8	519.9	542.2	558.8	574.3	589.7	604.8	617.8	629.4
-80°	333.0	350.6	369.0	387.6	406.0	415.2	422.5	429.3	435.3	443.1	450.4
-82.5°	203.6	213.6	223.8	234.2	244.5	247.2	248.1	247.8	246.5	243.7	239.4
-85°	90.6	91.2	90.9	89.9	88.1	84.6	80.2	75.1	69.4	68.5	67.4
-87.5°	19.9	19.5	19.0	18.4	17.7	17.6	17.5	17.4	17.2	17.8	18.4
-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: P645487 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.5	1.5
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	0.9	0.0	0.9	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.4	1.6	1.6
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.9
62.5°	2.9	3.1	3.2	3.2	3.2	3.1	2.9	2.8	2.7	2.9	3.1
60°	5.8	3.8	3.2	3.2	3.2	3.8	5.8	7.4	8.4	9.2	9.1
57.5°	35.8	26.7	22.7	21.1	22.7	26.7	35.8	42.3	45.6	138.9	168.6
55°	876.2	920.8	954.1	969.5	954.1	920.8	876.2	799.3	691.9	649.3	662.3
52.5°	1216.5	1235.9	1247.1	1246.7	1247.1	1235.9	1216.5	1195.6	1171.9	1132.1	1094.8
50°	1356.0	1365.4	1368.8	1366.7	1368.8	1365.4	1356.0	1341.4	1332.8	1314.5	1248.0
47.5°	2002.9	1829.5	1702.1	1671.5	1702.1	1829.5	2002.9	2081.3	1995.5	1820.8	1622.7
45°	2852.5	2918.3	2983.8	3004.1	2983.8	2918.3	2852.5	2822.6	2760.3	2684.3	2605.6
42.5°	3146.8	3168.2	3180.3	3180.8	3180.3	3168.2	3146.8	3118.9	3052.7	2969.9	2867.8
40°	3287.2	3307.4	3319.2	3320.3	3319.2	3307.4	3287.2	3259.4	3209.8	3137.0	3043.6
37.5°	3414.8	3432.0	3443.3	3454.8	3443.3	3432.0	3414.8	3406.7	3400.1	3326.2	3270.5
35°	3991.1	3860.6	3672.8	3701.3	3672.8	3860.6	3991.1	4006.2	3894.6	3687.0	3786.7
32.5°	4982.1	5036.9	5071.2	5129.6	5071.2	5036.9	4982.1	4931.5	4963.9	4850.5	4606.1
30°	5439.3	5457.4	5484.9	5513.8	5484.9	5457.4	5439.3	5424.8	5415.7	5283.5	5136.0
27.5°	5553.4	5572.2	5588.8	5601.3	5588.8	5572.2	5553.4	5542.7	5522.4	5439.5	5314.0
25°	5613.1	5624.8	5642.5	5658.1	5642.5	5624.8	5613.1	5610.8	5594.5	5543.3	5442.5
22.5°	5642.8	5644.0	5657.8	5677.5	5657.8	5644.0	5642.8	5647.5	5639.3	5617.0	5507.5
20°	5663.1	5652.1	5666.4	5679.2	5666.4	5652.1	5663.1	5670.5	5668.3	5668.8	5577.5
17.5°	5922.3	5774.4	5713.7	5714.8	5713.7	5774.4	5922.3	5774.8	5879.4	5927.6	5903.4
15°	6758.5	6813.9	7026.6	7141.5	7026.6	6813.9	6758.5	6917.6	6775.8	6808.8	6682.8
12.5°	7298.0	7278.3	7253.0	7287.4	7253.0	7278.3	7298.0	7303.1	7331.0	7346.0	7308.0
10°	7323.0	7320.7	7275.7	7324.7	7275.7	7320.7	7323.0	7338.1	7373.6	7398.7	7355.3
7.5°	7307.6	7309.0	7289.9	7337.7	7289.9	7309.0	7307.6	7347.7	7372.0	7386.7	7342.4
5°	7317.8	7284.8	7297.3	7324.7	7297.3	7284.8	7317.8	7321.7	7345.4	7363.0	7336.9
2.5°	7289.5	7286.1	7261.8	7280.9	7261.8	7286.1	7289.5	7304.7	7318.7	7326.4	7326.6
0°	7268.0	7250.1	7250.1	7266.3	7250.1	7250.1	7268.0	7295.5	7319.8	7340.9	7349.0
-2.5°	7306.3	7302.5	7300.2	7289.0	7300.2	7302.5	7306.3	7318.6	7330.7	7341.1	7344.9
-5°	7337.8	7328.2	7301.7	7337.7	7301.7	7328.2	7337.8	7351.4	7371.6	7386.1	7382.0
-7.5°	7371.7	7347.1	7321.9	7378.2	7321.9	7347.1	7371.7	7382.5	7406.7	7425.9	7424.2
-10°	7402.7	7367.1	7342.6	7397.7	7342.6	7367.1	7402.7	7427.6	7448.3	7466.6	7469.9
-12.5°	7443.6	7402.0	7385.6	7415.5	7385.6	7402.0	7443.6	7472.4	7494.8	7508.5	7503.1
-15°	7487.2	7458.5	7454.6	7472.2	7454.6	7458.5	7487.2	7517.4	7535.1	7546.3	7526.3
-17.5°	7525.6	7505.4	7515.4	7535.5	7515.4	7505.4	7525.6	7550.2	7564.9	7569.4	7542.0
-20°	7543.9	7532.6	7543.9	7593.8	7543.9	7532.6	7543.9	7559.6	7569.5	7567.0	7527.3



REPORT NUMBER: P645487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	7542.4	7543.1	7562.9	7579.2	7562.9	7543.1	7542.4	7550.8	7550.0	7537.5	7470.8
-25°	7513.6	7528.7	7551.5	7584.1	7551.5	7528.7	7513.6	7512.8	7502.8	7470.5	7402.9
-27.5°	7444.2	7469.4	7493.2	7527.4	7493.2	7469.4	7444.2	7434.4	7416.6	7372.2	7317.2
-30°	7343.8	7373.8	7395.0	7431.7	7395.0	7373.8	7343.8	7325.5	7297.7	7246.9	7163.9
-32.5°	7221.7	7255.6	7280.7	7306.9	7280.7	7255.6	7221.7	7193.8	7164.1	7105.4	6991.0
-35°	7069.0	7105.5	7132.2	7156.1	7132.2	7105.5	7069.0	7032.3	6995.1	6944.7	6814.4
-37.5°	6885.6	6925.0	6955.3	6982.6	6955.3	6925.0	6885.6	6841.6	6802.3	6753.5	6626.9
-40°	6671.9	6712.3	6744.7	6775.1	6744.7	6712.3	6671.9	6621.5	6577.1	6520.1	6410.3
-42.5°	6422.0	6462.8	6496.3	6527.1	6496.3	6462.8	6422.0	6368.4	6314.0	6245.3	6150.3
-45°	6133.5	6175.5	6210.8	6243.3	6210.8	6175.5	6133.5	6077.4	6007.9	5918.5	5805.5
-47.5°	5801.2	5846.1	5876.3	5891.5	5876.3	5846.1	5801.2	5741.6	5660.8	5556.2	5432.3
-50°	5420.3	5465.2	5501.5	5528.4	5501.5	5465.2	5420.3	5360.9	5279.1	5165.7	5034.6
-52.5°	5001.1	5043.7	5075.0	5093.9	5075.0	5043.7	5001.1	4943.3	4864.1	4742.9	4604.6
-55°	4541.9	4586.7	4616.3	4630.2	4616.3	4586.7	4541.9	4482.3	4406.4	4282.9	4146.8
-57.5°	4021.2	4063.7	4095.3	4113.1	4095.3	4063.7	4021.2	3963.2	3890.1	3773.9	3642.9
-60°	3445.2	3483.2	3507.1	3516.4	3507.1	3483.2	3445.2	3392.1	3323.9	3221.8	3101.4
-62.5°	2855.9	2891.9	2914.3	2923.1	2914.3	2891.9	2855.9	2807.8	2748.0	2664.4	2563.8
-65°	2273.4	2296.0	2308.4	2310.2	2308.4	2296.0	2273.4	2239.5	2194.0	2129.9	2051.7
-67.5°	1753.9	1771.1	1781.5	1785.0	1781.5	1771.1	1753.9	1730.2	1700.2	1662.2	1614.4
-70°	1376.2	1388.0	1394.7	1395.9	1394.7	1388.0	1376.2	1358.4	1334.5	1302.7	1263.7
-72.5°	1026.0	1034.5	1031.5	1024.6	1031.5	1034.5	1026.0	1014.1	998.4	980.5	962.1
-75°	800.5	809.8	805.9	799.3	805.9	809.8	800.5	789.3	776.3	761.6	745.0
-77.5°	639.4	647.9	643.7	637.1	643.7	647.9	639.4	629.4	617.8	604.8	589.7
-80°	456.6	461.6	465.2	466.9	465.2	461.6	456.6	450.4	443.1	435.3	429.3
-82.5°	233.7	226.9	222.5	217.2	222.5	226.9	233.7	239.4	243.7	246.5	247.8
-85°	66.1	64.5	65.6	66.5	65.6	64.5	66.1	67.4	68.5	69.4	75.1
-87.5°	18.9	19.4	19.5	19.5	19.5	19.4	18.9	18.4	17.8	17.2	17.4
-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: P645487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	0.8	1.1	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
85°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	1.6	2.0
65°	2.0	1.9	2.0	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.1
62.5°	3.2	3.4	3.5	3.6	3.6	4.6	4.0	4.1	3.8	4.6	6.3
60°	7.8	6.2	9.2	10.3	8.8	15.0	25.4	22.9	6.8	36.7	42.3
57.5°	107.3	89.1	186.6	186.0	77.9	105.2	140.9	92.8	60.7	104.0	137.4
55°	748.1	685.1	595.7	586.2	617.1	468.9	392.0	377.2	295.3	192.0	228.0
52.5°	1054.7	991.9	930.9	874.1	827.4	777.6	704.3	625.1	599.7	482.9	372.4
50°	1193.5	1254.5	1194.4	1047.5	1073.6	1002.6	899.4	815.2	832.4	761.0	613.6
47.5°	1618.4	1692.8	1694.7	1607.0	1509.5	1479.4	1328.0	1065.0	1082.6	1079.5	923.4
45°	2369.4	2265.5	2304.3	2181.1	2008.9	1913.7	1908.5	1627.2	1366.6	1324.3	1309.1
42.5°	2781.0	2704.1	2624.5	2532.7	2380.3	2228.4	2134.6	1976.4	1766.9	1581.4	1515.6
40°	2947.4	2857.8	2783.5	2707.4	2584.8	2429.2	2353.6	2145.8	1988.3	1827.8	1774.4
37.5°	3148.6	2978.5	3044.8	2901.0	2787.1	2749.3	2690.7	2474.4	2125.4	2096.0	2069.0
35°	3597.6	3438.6	3591.7	3564.5	3111.2	3161.7	3200.7	2934.9	2569.4	2371.3	2375.5
32.5°	4622.3	4255.7	4143.7	4280.8	4042.5	3646.9	3652.7	3571.9	3073.0	2784.6	2658.5
30°	4993.3	4830.5	4654.0	4630.2	4452.7	4224.0	4078.6	3884.2	3521.1	3192.0	2975.8
27.5°	5153.4	5005.6	4857.1	4742.5	4639.8	4484.5	4294.9	4066.3	3808.1	3513.2	3303.1
25°	5267.6	5102.1	4974.0	4847.5	4737.0	4619.4	4425.7	4203.1	3962.1	3724.4	3498.8
22.5°	5359.4	5205.1	5067.2	4931.1	4841.5	4715.0	4541.0	4311.1	4149.4	3998.2	3705.0
20°	5459.7	5311.1	5155.8	5162.3	5030.3	4819.2	4651.9	4537.5	4515.3	4345.3	3966.6
17.5°	5895.6	5486.8	5562.8	5706.8	5415.9	5032.7	4973.0	4979.4	4909.1	4751.1	4280.2
15°	6829.2	6238.8	6243.9	6343.2	6027.9	5557.1	5448.4	5435.1	5324.5	5149.6	4611.3
12.5°	7123.3	6926.0	6889.7	6742.2	6432.5	6080.7	5952.0	5882.2	5679.2	5340.9	4849.6
10°	7222.6	7108.4	6956.5	6807.7	6619.7	6478.4	6295.0	6041.4	5753.4	5427.0	5027.1
7.5°	7234.4	7115.9	6993.5	6851.7	6686.8	6520.9	6339.7	6087.6	5809.1	5489.1	5152.2
5°	7227.5	7109.3	6996.0	6860.4	6693.1	6532.2	6368.1	6118.8	5846.8	5529.6	5234.4
2.5°	7209.9	7090.2	6982.3	6859.2	6692.5	6537.5	6385.6	6152.3	5873.7	5563.0	5261.8
0°	7235.5	7117.2	7015.0	6877.2	6726.5	6546.5	6394.1	6186.6	5886.7	5585.1	5272.2
-2.5°	7246.6	7124.3	7030.7	6875.4	6750.4	6566.7	6412.3	6211.9	5911.2	5624.3	5297.3
-5°	7305.1	7183.6	7061.2	6905.5	6774.0	6602.2	6428.6	6222.2	5929.6	5645.5	5308.6
-7.5°	7343.5	7220.2	7077.9	6926.9	6794.9	6631.0	6438.5	6223.1	5946.4	5645.2	5314.0
-10°	7367.6	7238.7	7098.2	6943.6	6807.1	6638.5	6435.2	6217.7	5943.0	5632.0	5302.1
-12.5°	7401.4	7256.3	7111.7	6936.1	6799.3	6626.1	6423.0	6205.3	5917.6	5607.3	5271.7
-15°	7414.1	7265.1	7096.0	6923.8	6774.4	6605.9	6396.3	6168.5	5873.1	5569.2	5222.2
-17.5°	7419.3	7249.8	7069.6	6904.4	6743.4	6564.7	6343.5	6101.3	5816.1	5502.1	5156.8
-20°	7415.2	7217.9	7032.3	6852.5	6683.9	6502.4	6274.1	6034.2	5734.6	5415.3	5072.1



REPORT NUMBER: P645487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	7339.5	7160.9	6973.0	6778.1	6612.2	6419.7	6196.3	5948.0	5628.7	5319.8	4964.3
-25°	7256.2	7075.8	6881.7	6700.4	6523.8	6332.5	6102.9	5821.4	5518.1	5196.8	4833.4
-27.5°	7157.8	6968.1	6767.6	6583.2	6396.5	6208.3	5971.0	5687.4	5395.3	5044.1	4691.3
-30°	7024.9	6829.1	6624.7	6413.6	6243.0	6051.1	5816.5	5541.0	5227.4	4880.6	4544.9
-32.5°	6844.4	6660.2	6455.8	6255.2	6077.0	5875.6	5638.7	5365.3	5036.2	4708.1	4358.9
-35°	6660.9	6470.1	6275.3	6086.4	5898.7	5687.9	5446.0	5148.4	4833.9	4508.9	4146.5
-37.5°	6451.5	6252.7	6069.6	5890.2	5696.6	5480.4	5213.6	4926.0	4619.4	4262.0	3917.1
-40°	6226.4	6035.0	5835.1	5657.7	5451.2	5233.1	4975.2	4695.7	4358.5	4005.3	3681.1
-42.5°	5959.2	5767.9	5562.1	5364.5	5163.9	4956.6	4723.6	4421.2	4087.0	3753.9	3417.2
-45°	5636.6	5445.1	5242.7	5039.1	4851.4	4649.9	4433.1	4110.8	3780.7	3463.2	3140.1
-47.5°	5273.5	5088.0	4892.7	4690.8	4512.3	4310.0	4045.9	3746.0	3453.9	3151.8	2821.1
-50°	4879.2	4702.7	4522.2	4334.8	4134.2	3906.0	3652.6	3391.0	3101.6	2791.5	2489.4
-52.5°	4448.3	4286.8	4116.3	3936.2	3729.2	3502.7	3265.3	2987.5	2698.8	2435.6	2160.8
-55°	3998.6	3839.1	3670.6	3490.7	3297.6	3073.6	2827.6	2574.9	2339.3	2095.9	1886.2
-57.5°	3501.0	3349.8	3189.3	3019.5	2841.2	2632.9	2417.1	2202.7	2016.1	1826.9	1636.7
-60°	2969.1	2828.0	2691.5	2541.0	2376.4	2197.1	2039.7	1881.5	1723.2	1572.2	1419.0
-62.5°	2454.1	2336.0	2213.3	2091.2	1966.0	1836.5	1706.2	1584.0	1459.2	1331.2	1218.4
-65°	1967.2	1877.4	1780.6	1696.1	1607.3	1513.7	1408.9	1313.2	1222.4	1128.6	1032.7
-67.5°	1558.6	1494.5	1426.1	1359.4	1298.5	1233.7	1160.1	1082.7	1010.8	941.4	870.7
-70°	1222.6	1180.2	1135.8	1087.1	1038.5	989.7	935.6	878.6	820.8	768.8	719.0
-72.5°	938.4	909.1	875.3	840.3	802.9	769.7	732.7	694.2	655.1	615.6	578.0
-75°	726.1	704.9	681.7	655.6	623.9	586.4	558.6	539.8	516.2	487.5	456.2
-77.5°	574.3	558.8	542.2	519.9	496.8	472.9	449.3	426.1	403.1	381.3	361.4
-80°	422.5	415.2	406.0	387.6	369.0	350.6	333.0	318.7	305.3	290.5	272.4
-82.5°	248.1	247.2	244.5	234.2	223.8	213.6	203.6	193.5	183.0	171.9	160.6
-85°	80.2	84.6	88.1	89.9	90.9	91.2	90.6	88.0	84.9	81.4	77.6
-87.5°	17.5	17.6	17.7	18.4	19.0	19.5	19.9	20.9	21.7	22.4	22.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.8	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.5	1.6	1.7
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.5
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.8
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.1	2.5	2.9
75°	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.7	2.1	2.5	2.9
72.5°	1.6	1.6	1.6	1.8	2.0	2.1	1.9	1.8	2.2	2.5	2.9
70°	1.8	1.7	1.6	1.9	2.3	2.6	2.5	2.5	2.2	2.6	3.0
67.5°	2.4	2.4	2.2	2.2	2.3	2.7	3.1	3.6	3.6	2.7	3.0
65°	2.4	2.8	3.3	4.6	4.0	2.8	3.2	6.3	5.0	4.3	3.0
62.5°	5.3	2.9	10.2	13.7	7.7	6.0	4.8	14.1	8.8	6.0	4.3
60°	12.7	10.4	28.5	45.8	31.9	10.8	15.8	24.5	22.5	7.8	6.1
57.5°	118.9	40.9	59.3	85.6	84.1	45.7	33.3	44.4	38.2	22.0	8.6
55°	253.8	213.7	141.1	129.1	139.5	112.6	73.3	71.9	59.0	40.9	14.0
52.5°	348.2	363.4	316.3	221.0	192.4	183.3	143.2	104.4	92.6	61.4	35.5
50°	504.1	469.4	464.7	390.1	269.8	244.2	211.4	163.0	130.0	87.8	60.0
47.5°	712.1	625.5	579.6	546.1	430.5	311.3	277.3	222.9	171.2	126.5	85.7
45°	1017.6	808.5	719.7	665.3	589.9	437.8	347.0	281.1	223.1	169.8	112.5
42.5°	1324.4	1045.3	879.6	791.9	713.4	580.7	421.6	348.1	273.7	213.9	146.6
40°	1595.2	1289.5	1047.8	934.9	834.7	718.7	542.3	420.0	323.3	259.3	185.4
37.5°	1921.2	1567.6	1241.3	1084.8	963.9	834.0	664.8	495.0	382.9	306.9	224.2
35°	2236.6	1927.5	1457.9	1265.9	1107.7	952.2	782.8	583.6	456.1	355.2	263.0
32.5°	2575.2	2266.0	1784.9	1468.2	1256.6	1073.0	893.2	691.4	529.7	404.2	301.7
30°	2841.9	2488.9	2071.9	1670.7	1418.6	1207.8	1003.3	794.8	603.5	453.5	340.8
27.5°	2983.2	2681.7	2298.3	1896.3	1600.9	1346.0	1116.8	893.7	677.2	507.8	381.4
25°	3129.4	2817.6	2460.3	2093.6	1780.9	1492.3	1229.8	987.9	757.7	569.1	421.6
22.5°	3304.3	2933.0	2596.8	2249.9	1966.6	1640.6	1348.3	1083.3	838.1	629.1	461.2
20°	3479.9	3040.3	2731.5	2462.6	2148.7	1801.1	1472.2	1176.4	914.0	687.6	499.9
17.5°	3664.2	3235.1	2960.2	2670.2	2330.3	1956.5	1594.2	1266.5	985.3	744.2	537.6
15°	3984.9	3526.6	3190.5	2872.2	2511.0	2106.1	1713.3	1353.1	1051.7	798.6	572.5
12.5°	4276.1	3798.0	3421.0	3067.5	2688.7	2248.7	1828.2	1435.5	1113.2	841.9	603.7
10°	4517.1	4049.8	3648.9	3255.0	2861.2	2383.3	1937.7	1502.6	1150.1	874.3	632.5
7.5°	4714.4	4282.4	3871.0	3433.4	3009.4	2471.3	1993.0	1541.8	1178.7	901.9	658.6
5°	4857.1	4437.6	3989.1	3495.5	3055.7	2507.5	2030.5	1573.6	1201.8	924.8	682.2
2.5°	4898.1	4485.3	4033.4	3529.6	3087.0	2530.9	2057.3	1598.0	1219.5	943.5	703.2
0°	4922.0	4516.7	4061.2	3550.5	3103.0	2542.1	2073.5	1614.7	1232.1	958.1	721.4
-2.5°	4955.4	4543.8	4088.0	3604.3	3113.7	2576.1	2082.7	1625.6	1248.0	963.4	732.0
-5°	4972.1	4554.3	4100.9	3640.5	3110.9	2596.4	2081.6	1629.1	1258.3	965.2	739.8
-7.5°	4964.8	4550.8	4101.4	3651.8	3096.9	2601.1	2070.3	1625.5	1262.6	963.9	744.7
-10°	4942.4	4532.3	4085.7	3622.5	3083.9	2582.7	2050.1	1615.2	1260.1	959.7	746.5
-12.5°	4908.4	4497.9	4053.7	3580.3	3056.9	2544.8	2026.4	1597.5	1249.9	953.1	745.3
-15°	4864.2	4447.7	4005.0	3526.7	3012.4	2494.4	1990.7	1571.7	1230.1	945.6	740.9
-17.5°	4807.6	4382.3	3939.5	3463.1	2949.9	2431.9	1942.8	1538.3	1205.3	936.4	732.0
-20°	4706.4	4294.4	3856.2	3390.9	2868.7	2357.9	1882.4	1497.0	1175.8	923.3	719.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4592.7	4185.6	3752.4	3293.3	2771.0	2272.8	1809.4	1448.0	1141.8	906.2	703.9
-25°	4471.4	4063.1	3631.8	3158.3	2662.9	2182.9	1736.3	1391.2	1103.5	885.2	686.1
-27.5°	4329.0	3924.4	3495.1	3009.7	2537.5	2078.5	1666.2	1340.9	1066.4	860.0	665.9
-30°	4168.9	3761.3	3324.2	2851.0	2400.0	1957.8	1587.6	1287.2	1035.0	832.6	643.4
-32.5°	3985.4	3581.6	3134.9	2688.7	2254.8	1829.7	1500.8	1229.8	998.7	803.5	622.6
-35°	3776.6	3372.5	2934.3	2514.3	2100.9	1726.3	1416.0	1168.9	957.6	772.0	600.7
-37.5°	3559.1	3148.1	2733.6	2332.3	1937.3	1614.3	1339.7	1108.7	911.7	738.3	576.4
-40°	3310.7	2917.2	2523.0	2144.8	1795.7	1494.0	1257.2	1049.3	868.3	702.5	549.9
-42.5°	3054.9	2675.0	2303.3	1946.3	1655.9	1396.1	1170.7	985.3	822.5	667.8	521.1
-45°	2779.0	2419.3	2069.7	1779.0	1513.7	1292.4	1095.0	919.0	773.7	632.3	491.4
-47.5°	2488.0	2149.7	1857.4	1604.8	1392.9	1188.2	1014.5	861.7	722.4	594.3	461.6
-50°	2179.7	1898.7	1661.8	1453.3	1262.6	1094.4	934.3	801.6	675.4	552.3	430.4
-52.5°	1906.5	1681.4	1485.4	1306.9	1147.7	995.8	865.2	740.0	627.0	512.2	397.8
-55°	1672.5	1488.0	1322.5	1174.0	1033.8	911.2	793.5	685.4	577.2	471.9	364.7
-57.5°	1470.4	1309.1	1176.7	1047.7	931.9	827.3	728.1	629.5	529.5	430.1	338.5
-60°	1276.2	1155.8	1037.9	934.2	836.2	747.5	666.4	573.6	481.3	388.4	309.5
-62.5°	1108.4	1005.7	916.6	826.2	744.8	672.4	604.2	519.0	431.8	349.8	278.0
-65°	951.2	872.3	796.4	724.3	656.8	595.5	540.3	463.0	382.1	308.9	245.2
-67.5°	801.9	742.4	682.9	622.3	569.2	519.6	472.4	402.5	330.2	265.9	212.8
-70°	668.5	617.7	571.1	526.1	483.0	441.7	397.2	338.2	276.0	227.2	179.5
-72.5°	542.6	505.5	466.7	429.8	398.0	361.6	320.7	274.7	231.0	188.0	145.5
-75°	426.1	401.6	374.3	345.0	315.3	282.8	255.7	223.6	185.5	147.9	117.2
-77.5°	340.9	317.0	289.7	266.3	246.4	224.2	199.6	171.7	141.5	115.1	90.6
-80°	251.5	233.2	217.8	204.3	185.9	165.6	145.2	124.9	102.9	82.4	63.5
-82.5°	153.4	149.4	145.1	138.9	123.6	108.5	93.8	79.3	63.7	49.3	40.8
-85°	76.7	75.2	72.9	69.6	60.2	51.0	46.8	42.4	37.2	32.1	27.3
-87.5°	25.2	27.1	28.7	29.8	27.7	25.5	23.4	21.2	18.6	16.1	13.7
-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°	0.8	0.7	0.6	0.4	0.3	0.2	0.0
85°	1.7	1.4	1.1	0.8	0.6	0.4	0.0
82.5°	2.5	2.1	1.7	1.2	0.8	0.5	0.0
80°	3.2	2.8	2.2	1.7	1.1	0.7	0.0
77.5°	3.2	3.2	2.8	2.1	1.4	0.9	0.0
75°	3.2	3.3	3.2	2.5	1.7	1.1	0.0
72.5°	3.3	3.5	3.4	2.9	2.0	1.2	0.0
70°	3.4	3.6	3.5	3.2	2.3	1.4	0.0
67.5°	3.8	3.7	3.7	3.4	2.5	1.6	0.0
65°	4.3	4.3	3.9	3.6	2.8	1.7	0.0
62.5°	5.0	5.3	4.1	3.7	3.1	1.9	0.0
60°	6.0	6.5	4.3	3.9	3.4	2.1	0.0
57.5°	11.1	7.8	5.5	4.1	3.6	2.2	0.0
55°	17.7	9.2	6.9	4.3	3.8	2.4	0.0
52.5°	25.4	11.8	8.3	4.5	4.0	2.6	0.0
50°	34.2	20.1	9.8	4.7	4.2	2.7	0.0
47.5°	46.0	29.1	11.3	5.1	4.4	2.9	0.0
45°	69.4	38.7	12.9	6.3	4.6	3.0	0.0
42.5°	93.3	48.9	14.6	7.6	4.8	3.2	0.0
40°	117.8	59.7	19.6	9.1	5.0	3.3	0.0
37.5°	142.8	71.1	28.1	11.1	5.2	3.5	0.0
35°	168.1	88.3	36.7	13.2	5.4	3.6	0.0
32.5°	195.6	108.3	45.4	15.6	5.6	3.7	0.0
30°	227.0	128.1	54.2	18.2	5.8	3.9	0.0
27.5°	257.8	147.7	65.0	20.9	6.1	4.0	0.0
25°	287.9	167.0	76.1	23.8	6.3	4.1	0.0
22.5°	317.1	186.7	87.2	26.8	6.5	4.2	0.0
20°	345.3	207.8	98.1	29.9	6.7	4.3	0.0
17.5°	373.2	228.2	108.9	33.0	6.9	4.4	0.0
15°	400.0	247.8	119.4	36.2	7.1	4.5	0.0
12.5°	425.1	266.5	129.6	39.4	7.3	4.6	0.0
10°	448.4	284.2	139.3	42.5	7.5	4.7	0.0
7.5°	469.8	300.7	148.5	45.5	7.6	4.7	0.0
5°	489.2	316.0	157.0	48.3	7.8	4.8	0.0
2.5°	506.6	329.8	164.9	51.0	8.0	4.9	0.0
0°	522.0	342.1	171.9	53.5	8.1	4.9	0.0
-2.5°	529.7	349.9	178.4	57.0	9.4	5.2	0.0
-5°	535.2	356.0	184.0	60.2	10.6	5.4	0.0
-7.5°	538.8	360.5	188.5	63.0	11.8	5.7	0.0
-10°	540.4	363.3	192.0	65.5	13.0	5.9	0.0
-12.5°	540.2	364.5	194.3	67.6	14.1	6.1	0.0
-15°	538.0	363.9	195.4	69.3	15.2	6.3	0.0
-17.5°	534.1	361.8	195.2	70.5	16.1	6.5	0.0
-20°	528.0	357.9	193.8	71.2	17.0	6.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	519.2	352.4	191.1	71.4	17.9	6.8	0.0
-25°	508.3	344.0	187.0	71.1	18.6	6.9	0.0
-27.5°	495.4	333.4	181.5	70.2	19.2	7.0	0.0
-30°	480.5	321.4	174.7	68.8	19.7	7.0	0.0
-32.5°	463.5	308.0	166.8	66.8	20.1	7.1	0.0
-35°	445.2	293.1	157.9	64.2	20.3	7.0	0.0
-37.5°	425.5	278.2	148.2	61.0	20.5	7.0	0.0
-40°	404.3	264.7	137.6	57.2	20.5	6.9	0.0
-42.5°	381.6	250.2	129.6	53.1	20.4	6.8	0.0
-45°	357.4	234.8	124.1	48.9	20.1	6.7	0.0
-47.5°	331.9	218.5	117.6	44.2	19.8	6.5	0.0
-50°	310.6	201.4	110.2	42.6	19.3	6.3	0.0
-52.5°	289.3	183.4	101.8	41.7	18.6	6.1	0.0
-55°	267.1	169.8	92.5	40.4	17.9	5.8	0.0
-57.5°	244.2	156.0	82.3	38.7	17.0	5.6	0.0
-60°	220.8	140.9	71.6	36.5	16.1	5.2	0.0
-62.5°	199.5	124.6	66.5	33.9	15.1	4.9	0.0
-65°	176.7	107.2	60.7	30.9	14.0	4.5	0.0
-67.5°	152.4	92.7	54.2	27.6	12.9	4.2	0.0
-70°	126.8	81.1	47.2	23.9	11.6	3.7	0.0
-72.5°	107.3	68.7	39.6	21.1	10.3	3.3	0.0
-75°	87.7	55.5	31.5	18.3	9.0	2.9	0.0
-77.5°	67.2	41.6	26.0	15.4	7.6	2.4	0.0
-80°	45.8	31.7	21.0	12.5	6.1	2.0	0.0
-82.5°	33.7	24.0	15.9	9.4	4.6	1.5	0.0
-85°	22.6	16.1	10.6	6.3	3.1	1.0	0.0
-87.5°	11.3	8.1	5.3	3.2	1.5	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)