

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: P645449 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645449 (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-SA3E-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

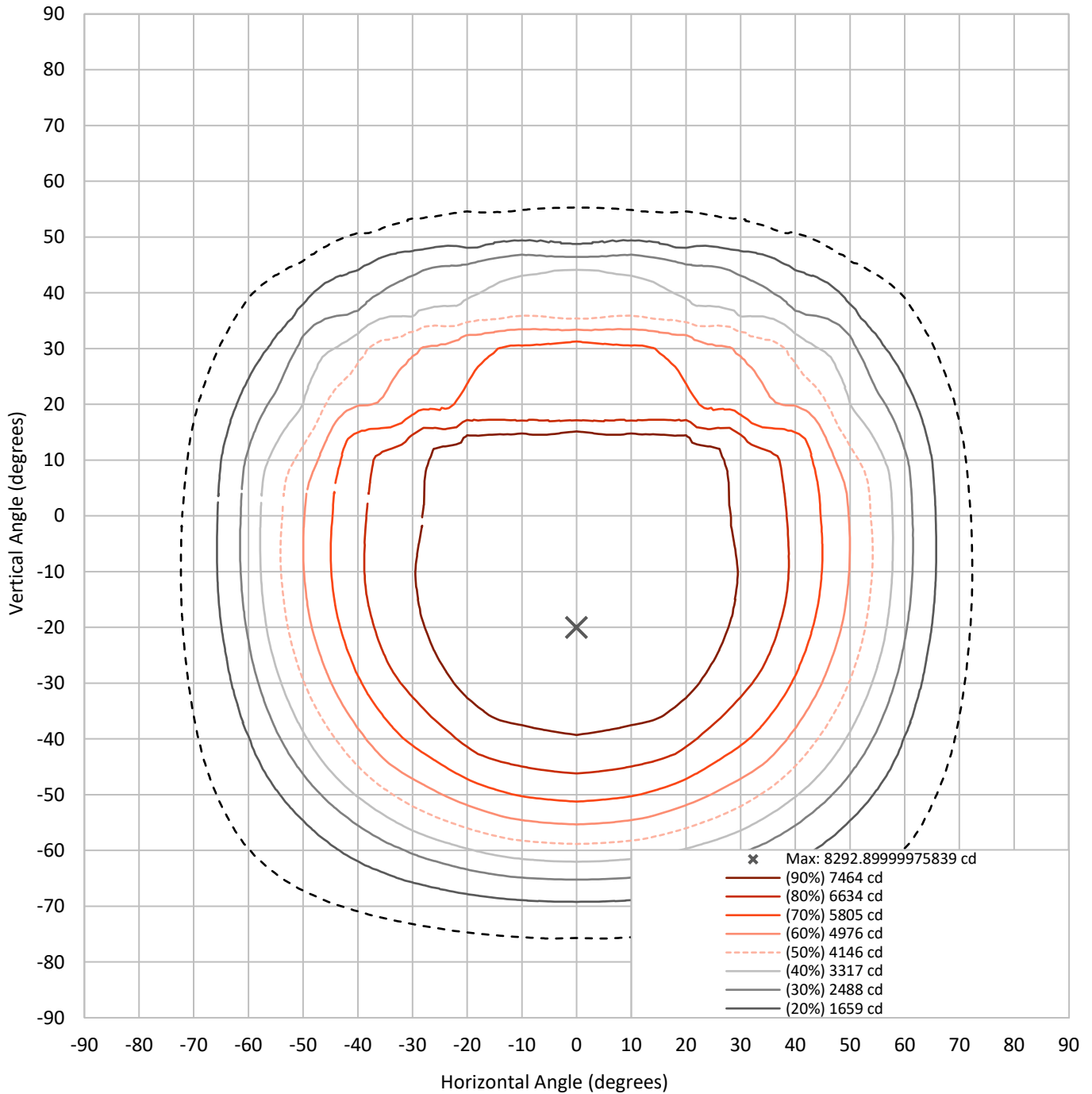
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19445.1 lumens	Max Intensity:	8292.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	105.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	15201 lumens	Field Lumens:	19059 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	185.2		
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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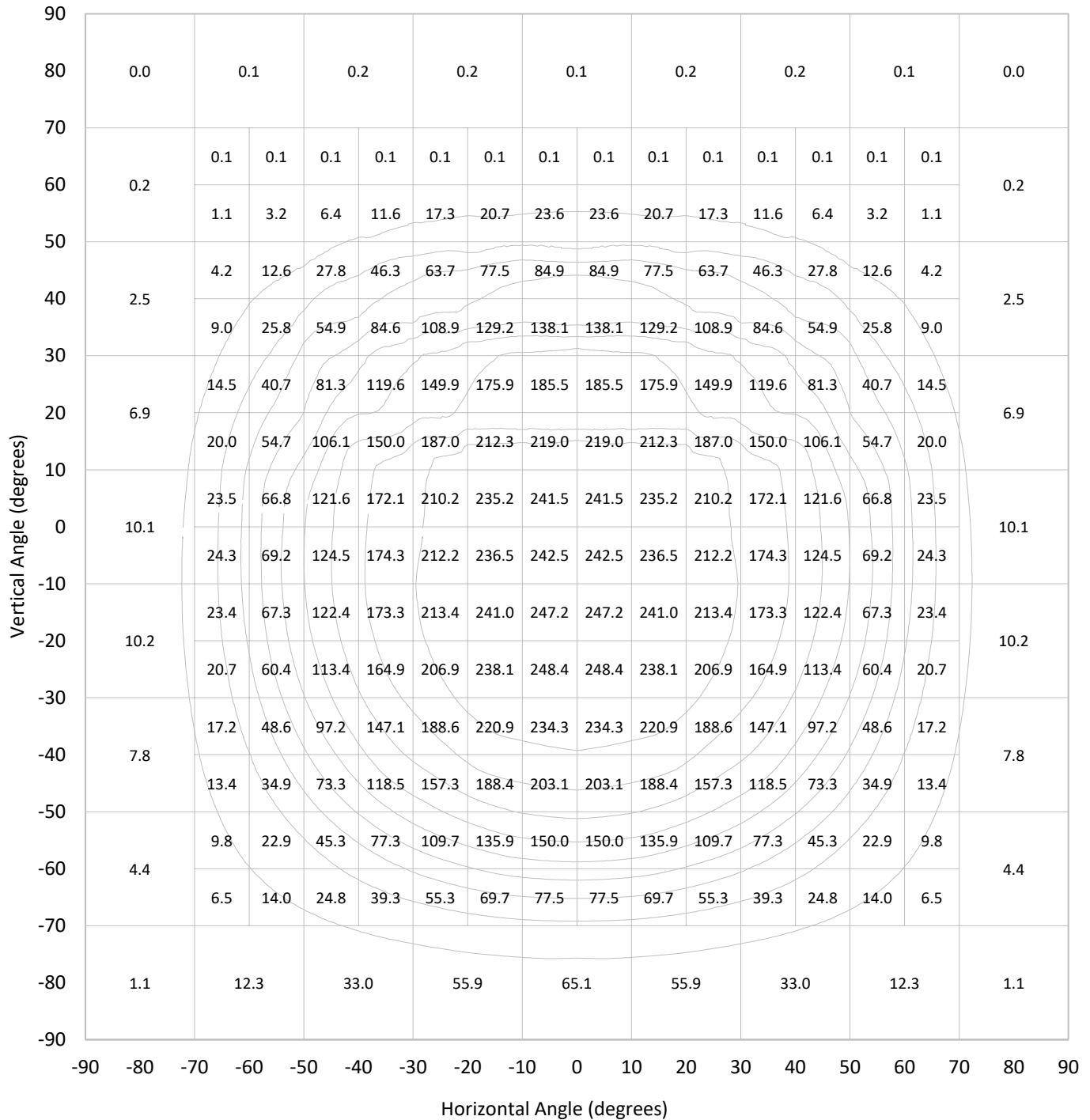
Iso-Candela Plot





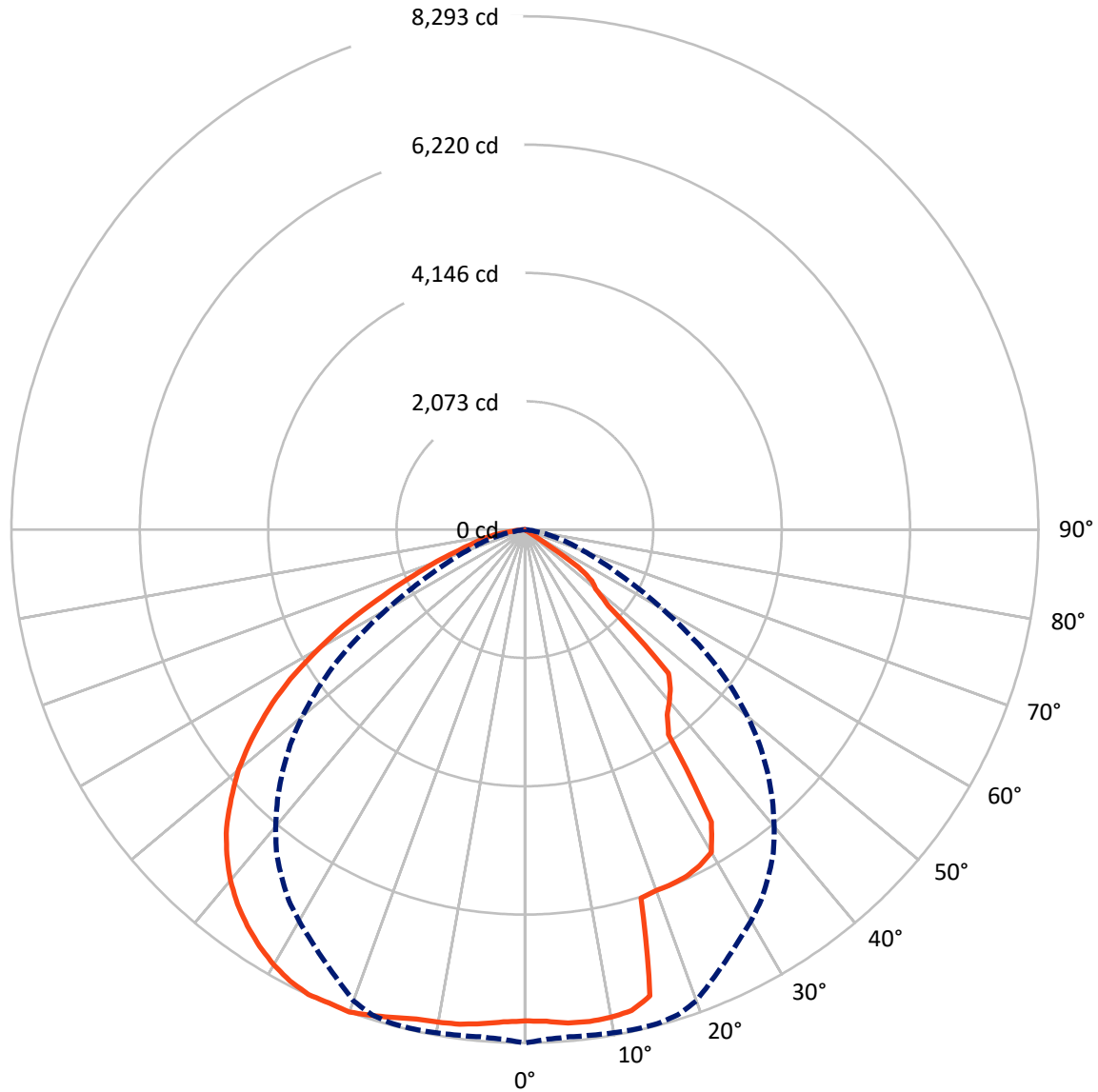
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Lumen Table



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Luminous Intensity Polar Plot

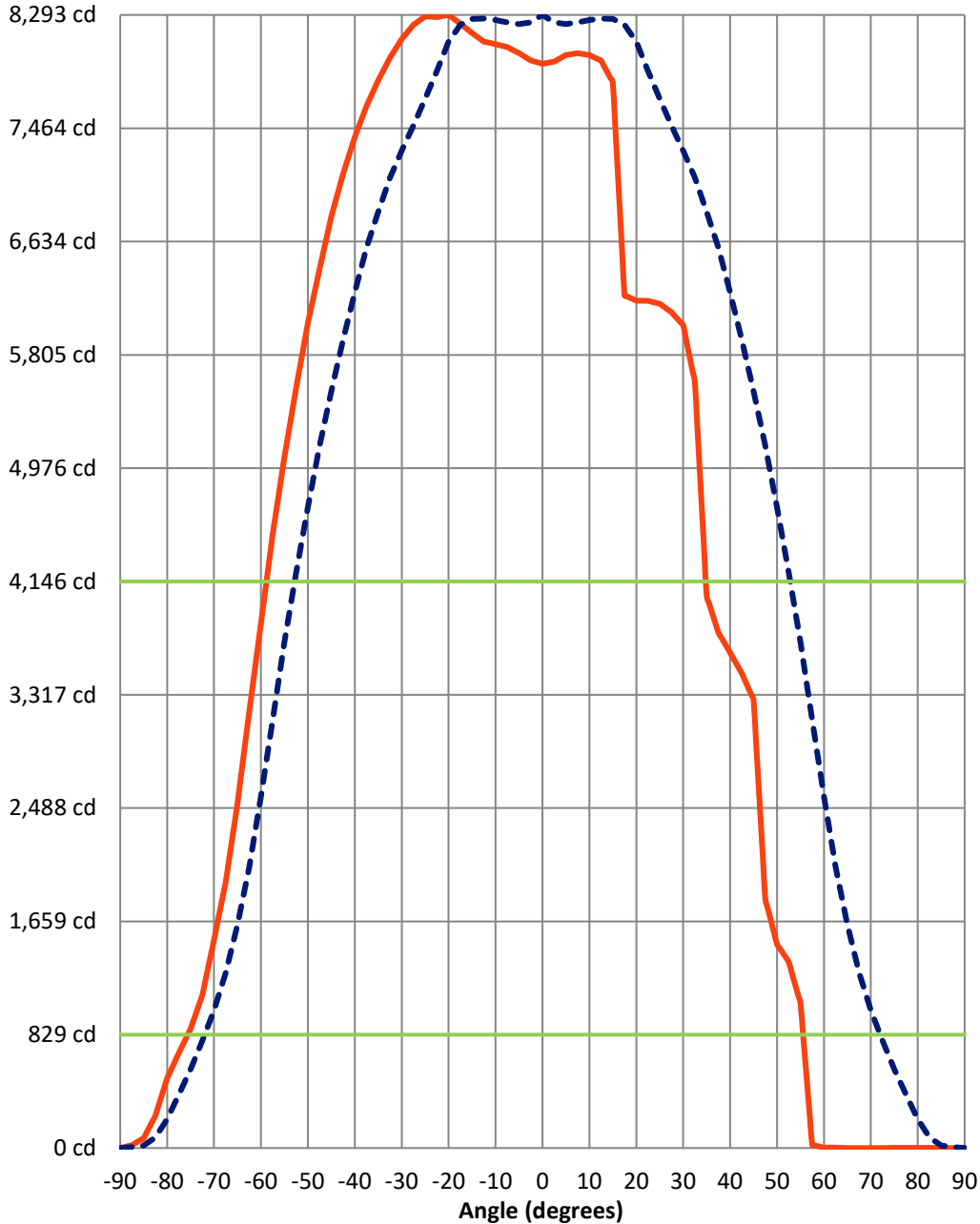


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 15201
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 19059
 Efficiency: 98.0%

Spill:
 Lumens: 386.2
 Efficiency: 2.0%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	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	1.5	1.8	1.9	1.8	1.7	1.5
82.5°	0.0	0.6	0.9	1.4	1.8	2.3	2.7	2.8	2.7	2.3	1.8
80°	0.0	0.8	1.2	1.8	2.4	3.0	3.5	3.1	2.7	2.3	1.9
77.5°	0.0	1.0	1.5	2.3	3.0	3.5	3.5	3.1	2.7	2.3	1.9
75°	0.0	1.1	1.8	2.7	3.5	3.6	3.5	3.2	2.8	2.3	1.9
72.5°	0.0	1.3	2.2	3.1	3.7	3.8	3.6	3.2	2.8	2.4	2.0
70°	0.0	1.5	2.5	3.5	3.9	3.9	3.7	3.2	2.8	2.5	2.8
67.5°	0.0	1.7	2.8	3.7	4.0	4.1	4.1	3.3	2.9	3.9	4.0
65°	0.0	1.9	3.1	3.9	4.2	4.7	4.7	3.3	4.7	5.5	6.9
62.5°	0.0	2.1	3.4	4.1	4.4	5.8	5.5	4.7	6.5	9.7	15.4
60°	0.0	2.3	3.7	4.3	4.6	7.1	6.5	6.6	8.5	24.5	26.7
57.5°	0.0	2.4	3.9	4.4	6.0	8.5	12.1	9.4	24.0	41.7	48.5
55°	0.0	2.6	4.1	4.6	7.5	10.0	19.3	15.2	44.6	64.4	78.5
52.5°	0.0	2.8	4.3	4.8	9.0	12.9	27.7	38.8	67.0	101.2	113.9
50°	0.0	3.0	4.6	5.0	10.7	22.0	37.3	65.5	95.9	142.0	178.0
47.5°	0.0	3.1	4.8	5.5	12.4	31.8	50.2	93.6	138.1	187.0	243.4
45°	0.0	3.3	5.0	6.9	14.1	42.2	75.8	122.9	185.4	243.7	307.0
42.5°	0.0	3.5	5.2	8.2	16.0	53.4	101.9	160.1	233.6	298.9	380.2
40°	0.0	3.6	5.4	10.0	21.5	65.2	128.7	202.4	283.1	353.0	458.7
37.5°	0.0	3.8	5.7	12.1	30.7	77.6	155.9	244.9	335.1	418.1	540.6
35°	0.0	3.9	5.9	14.4	40.1	96.4	183.6	287.2	387.9	498.1	637.4
32.5°	0.0	4.1	6.1	17.0	49.6	118.2	213.7	329.5	441.4	578.5	755.1
30°	0.0	4.2	6.4	19.8	59.2	139.9	248.0	372.1	495.3	659.1	868.0
27.5°	0.0	4.3	6.6	22.8	71.0	161.3	281.6	416.5	554.6	739.6	975.9
25°	0.0	4.5	6.8	26.0	83.1	182.4	314.4	460.5	621.5	827.4	1078.8
22.5°	0.0	4.6	7.1	29.3	95.2	203.9	346.3	503.7	687.0	915.3	1183.0
20°	0.0	4.7	7.3	32.6	107.1	226.9	377.1	546.0	750.9	998.2	1284.6
17.5°	0.0	4.8	7.5	36.1	118.9	249.2	407.6	587.1	812.7	1075.9	1383.1
15°	0.0	4.9	7.8	39.5	130.4	270.6	436.9	625.3	872.1	1148.5	1477.7
12.5°	0.0	5.0	8.0	43.0	141.5	291.1	464.3	659.4	919.5	1215.7	1567.7
10°	0.0	5.1	8.2	46.4	152.1	310.4	489.7	690.7	954.8	1256.0	1641.0
7.5°	0.0	5.1	8.4	49.6	162.1	328.4	513.0	719.3	984.9	1287.2	1683.7
5°	0.0	5.2	8.6	52.8	171.5	345.1	534.3	745.1	1010.0	1312.5	1718.5
2.5°	0.0	5.3	8.7	55.7	180.0	360.2	553.3	768.0	1030.3	1331.8	1745.1
0°	0.0	5.3	8.9	58.4	187.7	373.6	570.1	787.9	1046.3	1345.6	1763.4
-2.5°	0.0	5.6	10.3	62.2	194.8	382.1	578.4	799.5	1052.0	1362.9	1775.3
-5°	0.0	5.9	11.6	65.7	200.9	388.8	584.5	808.0	1054.0	1374.2	1779.1
-7.5°	0.0	6.2	13.0	68.8	205.9	393.7	588.4	813.3	1052.6	1378.8	1775.1
-10°	0.0	6.4	14.2	71.6	209.6	396.8	590.2	815.3	1048.1	1376.1	1763.8
-12.5°	0.0	6.7	15.4	73.8	212.1	398.0	589.9	813.9	1040.8	1364.9	1744.4
-15°	0.0	6.9	16.6	75.7	213.3	397.5	587.6	809.1	1032.6	1343.3	1716.4
-17.5°	0.0	7.1	17.7	77.0	213.2	395.1	583.3	799.4	1022.5	1316.2	1679.8
-20°	0.0	7.3	18.6	77.8	211.6	390.9	576.6	785.5	1008.3	1284.0	1634.8

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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	7.4	19.5	78.0	208.6	384.9	567.0	768.7	989.7	1246.9	1581.2
-25°	0.0	7.5	20.3	77.7	204.2	375.7	555.1	749.3	966.7	1205.0	1519.2
-27.5°	0.0	7.6	21.0	76.7	198.2	364.1	541.0	727.2	939.2	1164.5	1464.3
-30°	0.0	7.7	21.5	75.1	190.8	351.0	524.7	702.7	909.3	1130.3	1405.7
-32.5°	0.0	7.7	21.9	72.9	182.1	336.3	506.2	679.9	877.5	1090.7	1343.0
-35°	0.0	7.7	22.2	70.1	172.5	320.1	486.2	656.0	843.1	1045.8	1276.4
-37.5°	0.0	7.6	22.4	66.6	161.8	303.8	464.7	629.5	806.3	995.7	1210.7
-40°	0.0	7.6	22.4	62.4	150.3	289.0	441.5	600.5	767.1	948.3	1145.9
-42.5°	0.0	7.4	22.3	57.9	141.5	273.2	416.7	569.1	729.3	898.3	1076.0
-45°	0.0	7.3	22.0	53.4	135.5	256.4	390.3	536.6	690.6	844.9	1003.6
-47.5°	0.0	7.1	21.6	48.2	128.4	238.6	362.5	504.1	649.1	789.0	941.0
-50°	0.0	6.9	21.1	46.5	120.3	219.9	339.2	470.0	603.2	737.6	875.4
-52.5°	0.0	6.7	20.4	45.6	111.1	200.3	315.9	434.4	559.3	684.7	808.2
-55°	0.0	6.4	19.6	44.1	101.0	185.4	291.7	398.3	515.3	630.3	748.4
-57.5°	0.0	6.1	18.6	42.2	89.8	170.3	266.6	369.7	469.7	578.2	687.4
-60°	0.0	5.7	17.6	39.9	78.1	153.9	241.1	338.0	424.2	525.6	626.4
-62.5°	0.0	5.4	16.5	37.0	72.6	136.1	217.9	303.5	382.0	471.5	566.7
-65°	0.0	5.0	15.3	33.8	66.3	117.1	192.9	267.8	337.3	417.3	505.6
-67.5°	0.0	4.5	14.1	30.1	59.2	101.2	166.4	232.3	290.3	360.6	439.6
-70°	0.0	4.1	12.7	26.2	51.5	88.6	138.5	196.0	248.1	301.3	369.2
-72.5°	0.0	3.6	11.3	23.0	43.2	75.0	117.1	158.9	205.3	252.3	299.9
-75°	0.0	3.1	9.8	20.0	34.4	60.6	95.7	128.0	161.6	202.6	244.1
-77.5°	0.0	2.6	8.3	16.9	28.4	45.5	73.3	99.0	125.7	154.5	187.5
-80°	0.0	2.1	6.7	13.6	23.0	34.6	50.0	69.4	90.0	112.4	136.4
-82.5°	0.0	1.6	5.1	10.3	17.4	26.2	36.7	44.5	53.8	69.5	86.5
-85°	0.0	1.1	3.4	6.9	11.6	17.6	24.6	29.8	35.1	40.6	46.3
-87.5°	0.0	0.5	1.7	3.5	5.8	8.8	12.4	14.9	17.6	20.3	23.2
-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-SA3E-750-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	2.8	2.5	2.1	1.8	1.9	2.0	2.0	1.8	1.8	1.8
67.5°	3.4	3.0	2.6	2.4	2.4	2.7	2.6	2.2	1.8	1.8	1.9
65°	3.5	3.1	4.4	5.0	3.7	3.1	2.7	2.3	2.4	2.5	2.5
62.5°	5.2	6.6	8.4	14.9	11.1	3.2	5.8	6.9	5.0	4.2	4.5
60°	17.2	11.7	34.9	50.0	31.2	11.4	13.9	46.2	40.1	7.4	25.0
57.5°	36.3	49.9	91.9	93.5	64.7	44.6	129.8	150.0	113.5	66.3	101.3
55°	80.0	123.0	152.4	141.0	154.0	233.2	277.2	249.0	209.6	322.4	412.0
52.5°	156.4	200.2	210.1	241.3	345.4	396.8	380.2	406.6	527.4	655.0	682.6
50°	230.9	266.7	294.6	426.0	507.5	512.6	550.4	670.0	831.0	909.1	890.3
47.5°	302.8	340.0	470.1	596.3	632.9	683.1	777.6	1008.4	1179.0	1182.3	1163.1
45°	379.0	478.1	644.2	726.6	786.0	882.9	1111.3	1429.7	1446.2	1492.4	1777.0
42.5°	460.4	634.2	779.1	864.8	960.6	1141.5	1446.3	1655.2	1727.0	1929.5	2158.3
40°	592.3	784.9	911.5	1021.0	1144.3	1408.2	1742.1	1937.7	1996.1	2171.4	2343.4
37.5°	726.0	910.7	1052.7	1184.7	1355.6	1711.9	2098.1	2259.5	2289.0	2321.0	2702.2
35°	854.9	1039.8	1209.7	1382.5	1592.1	2105.0	2442.5	2594.3	2589.6	2805.9	3205.1
32.5°	975.3	1171.8	1372.3	1603.4	1949.2	2474.7	2812.4	2903.2	3041.0	3355.9	3900.6
30°	1095.6	1319.0	1549.2	1824.5	2262.6	2718.0	3103.5	3249.7	3485.8	3845.2	4241.7
27.5°	1219.6	1469.9	1748.2	2070.9	2510.0	2928.6	3257.9	3607.2	3836.6	4158.6	4440.7
25°	1343.0	1629.6	1944.8	2286.3	2686.8	3077.0	3417.5	3820.8	4067.2	4326.8	4590.0
22.5°	1472.4	1791.6	2147.6	2457.0	2835.8	3203.1	3608.5	4046.0	4366.3	4531.3	4708.0
20°	1607.7	1966.8	2346.5	2689.3	2983.0	3320.2	3800.2	4331.8	4745.3	4931.0	4955.2
17.5°	1741.0	2136.6	2544.8	2916.0	3232.7	3532.8	4001.5	4674.2	5188.4	5361.0	5437.8
15°	1871.0	2300.0	2742.2	3136.6	3484.2	3851.2	4351.7	5035.8	5623.7	5814.7	5935.5
12.5°	1996.5	2455.7	2936.2	3349.9	3735.9	4147.7	4669.7	5296.0	5832.6	6202.1	6423.7
10°	2116.1	2602.7	3124.5	3554.6	3984.8	4422.5	4932.9	5489.8	5926.6	6283.0	6597.5
7.5°	2176.4	2698.9	3286.4	3749.4	4227.4	4676.6	5148.4	5626.4	5994.4	6343.9	6648.0
5°	2217.4	2738.3	3337.0	3817.3	4356.3	4846.1	5304.1	5716.2	6038.6	6385.0	6682.1
2.5°	2246.7	2763.9	3371.2	3854.5	4404.7	4898.2	5349.0	5746.2	6075.0	6414.4	6718.6
0°	2264.4	2776.1	3388.7	3877.3	4435.0	4932.5	5375.1	5757.5	6099.2	6428.6	6756.1
-2.5°	2274.4	2813.2	3400.3	3936.0	4464.3	4962.1	5411.6	5784.9	6142.0	6455.3	6783.7
-5°	2273.2	2835.4	3397.2	3975.5	4478.3	4973.6	5429.9	5797.3	6165.1	6475.4	6794.9
-7.5°	2260.8	2840.5	3381.9	3987.9	4478.9	4969.7	5421.9	5803.2	6164.8	6493.8	6796.0
-10°	2238.8	2820.4	3367.7	3955.9	4461.7	4949.6	5397.4	5790.2	6150.4	6490.1	6790.1
-12.5°	2212.9	2779.0	3338.2	3909.9	4426.8	4911.9	5360.2	5757.0	6123.4	6462.3	6776.5
-15°	2173.9	2724.0	3289.7	3851.3	4373.7	4857.1	5312.0	5702.9	6081.9	6413.8	6736.4
-17.5°	2121.6	2655.8	3221.4	3781.9	4302.1	4785.7	5250.1	5631.5	6008.6	6351.5	6662.9
-20°	2055.6	2574.9	3132.8	3702.9	4211.2	4689.7	5139.6	5539.0	5913.8	6262.5	6589.7



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1975.9	2482.0	3026.0	3596.4	4097.8	4570.9	5015.4	5421.3	5809.6	6146.9	6495.5
-25°	1896.1	2383.8	2908.1	3449.0	3966.1	4437.1	4883.0	5278.4	5675.2	6026.1	6357.3
-27.5°	1819.5	2269.8	2771.1	3286.7	3816.8	4285.6	4727.5	5123.2	5508.4	5892.0	6210.9
-30°	1733.7	2137.9	2621.0	3113.5	3630.2	4107.5	4552.7	4963.2	5329.9	5708.7	6051.0
-32.5°	1639.0	1998.1	2462.4	2936.1	3423.4	3911.3	4352.3	4760.1	5141.5	5499.8	5859.2
-35°	1546.4	1885.1	2294.3	2745.8	3204.3	3683.0	4124.3	4528.2	4924.0	5278.9	5622.3
-37.5°	1463.0	1762.8	2115.6	2547.0	2985.2	3437.9	3886.7	4277.7	4654.4	5044.6	5379.5
-40°	1372.9	1631.5	1961.0	2342.2	2755.2	3185.7	3615.5	4019.9	4374.1	4759.7	5128.0
-42.5°	1278.5	1524.6	1808.4	2125.4	2515.3	2921.2	3336.0	3731.7	4099.4	4463.2	4828.2
-45°	1195.8	1411.4	1653.1	1942.8	2260.2	2642.0	3034.8	3429.1	3782.0	4128.7	4489.2
-47.5°	1107.9	1297.6	1521.1	1752.5	2028.3	2347.6	2716.9	3080.7	3441.9	3771.8	4090.8
-50°	1020.3	1195.2	1378.9	1587.1	1814.8	2073.5	2380.3	2718.5	3048.5	3387.1	3703.1
-52.5°	944.8	1087.4	1253.4	1427.2	1622.1	1836.2	2082.0	2359.7	2659.8	2947.3	3262.5
-55°	866.5	995.0	1129.0	1282.1	1444.3	1624.9	1826.4	2059.9	2288.8	2554.7	2812.0
-57.5°	795.1	903.5	1017.7	1144.1	1285.0	1429.6	1605.7	1787.3	1995.1	2201.7	2405.4
-60°	727.7	816.3	913.2	1020.2	1133.5	1262.2	1393.6	1549.6	1716.9	1881.8	2054.7
-62.5°	659.8	734.3	813.3	902.2	1001.0	1098.2	1210.4	1330.6	1453.7	1593.5	1729.9
-65°	590.0	650.3	717.2	791.0	869.8	952.6	1038.8	1127.8	1232.5	1334.9	1434.0
-67.5°	515.9	567.4	621.6	679.7	745.8	810.8	875.8	950.9	1028.0	1103.8	1182.3
-70°	433.7	482.4	527.5	574.6	623.7	674.6	730.1	785.2	839.6	896.4	959.4
-72.5°	350.1	394.9	434.6	469.4	509.8	552.1	592.6	631.3	672.3	715.4	758.1
-75°	279.2	308.8	344.3	376.8	408.8	438.6	465.3	498.2	532.4	563.7	589.5
-77.5°	218.0	244.8	269.1	290.8	316.4	346.3	372.3	394.7	416.4	440.1	465.3
-80°	158.6	180.9	203.0	223.1	237.8	254.7	274.7	297.5	317.3	333.4	348.1
-82.5°	102.4	118.5	134.9	151.7	158.5	163.1	167.5	175.4	187.7	199.8	211.4
-85°	51.0	55.7	65.8	76.1	79.6	82.1	83.8	84.7	88.9	92.7	96.1
-87.5°	25.5	27.9	30.2	32.5	31.3	29.6	27.5	25.1	24.5	23.8	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: P645449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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°	1.5	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	2.4	2.5	2.5	2.2	2.1	2.2	2.2	2.0	1.6	1.1
62.5°	4.4	5.0	3.9	3.9	3.8	3.7	3.6	3.4	3.1	3.0	3.1
60°	27.8	16.4	9.6	11.2	10.0	6.7	8.5	10.0	10.1	9.2	8.1
57.5°	153.9	114.9	85.1	203.2	203.8	97.3	117.2	184.2	151.7	49.8	46.3
55°	428.1	512.0	673.9	640.1	650.5	748.2	817.0	723.3	709.1	755.6	872.8
52.5°	769.1	849.2	903.6	954.5	1016.5	1083.2	1151.8	1195.5	1236.3	1279.8	1305.7
50°	982.2	1094.9	1172.4	1143.9	1304.3	1369.9	1303.3	1362.9	1435.5	1455.4	1464.8
47.5°	1450.3	1615.6	1648.4	1755.0	1850.6	1848.6	1767.3	1772.1	1988.4	2179.2	2272.9
45°	2084.2	2089.9	2193.8	2381.9	2516.3	2474.0	2587.5	2845.5	2931.4	3014.4	3082.5
42.5°	2331.2	2433.6	2599.4	2765.8	2866.0	2953.0	3037.0	3131.8	3243.3	3333.7	3406.0
40°	2570.3	2652.8	2822.7	2956.7	3039.7	3120.8	3218.7	3323.8	3425.8	3505.3	3559.5
37.5°	2938.4	3002.4	3043.7	3168.1	3325.1	3252.6	3438.4	3571.6	3632.5	3713.1	3720.4
35°	3495.3	3452.8	3397.7	3892.6	3922.3	3755.1	3928.8	4135.3	4026.5	4253.1	4375.0
32.5°	3989.0	3982.6	4414.6	4674.9	4525.1	4647.4	5047.8	5030.1	5297.0	5420.8	5385.5
30°	4454.1	4612.8	4862.6	5056.4	5082.4	5275.1	5452.9	5608.7	5769.8	5914.2	5924.2
27.5°	4690.2	4897.3	5066.9	5179.0	5304.2	5466.3	5627.7	5803.1	5940.2	6030.7	6052.9
25°	4833.0	5044.6	5173.0	5293.7	5431.9	5571.8	5752.5	5943.6	6053.6	6109.5	6127.3
22.5°	4959.0	5149.1	5287.1	5385.1	5533.7	5684.3	5852.7	6014.4	6134.0	6158.4	6167.4
20°	5080.2	5262.8	5493.4	5637.6	5630.4	5800.0	5962.3	6091.0	6190.7	6190.1	6192.5
17.5°	5430.8	5496.0	5914.4	6232.2	6074.8	5991.9	6438.3	6446.8	6473.3	6420.6	6306.4
15°	5949.9	6068.6	6582.7	6927.1	6818.7	6813.0	7457.8	7298.0	7435.6	7399.6	7554.5
12.5°	6499.8	6640.4	7024.6	7362.8	7523.9	7563.6	7779.0	7980.7	8022.2	8005.9	7975.4
10°	6874.5	7074.7	7229.1	7434.3	7596.8	7762.7	7887.5	8032.3	8079.8	8052.4	8013.6
7.5°	6923.3	7121.2	7302.4	7482.5	7637.2	7770.9	7900.3	8018.3	8066.6	8050.7	8024.0
5°	6954.3	7133.6	7309.2	7491.9	7639.9	7763.7	7892.8	8012.3	8040.8	8021.6	7995.6
2.5°	6973.4	7139.4	7308.6	7490.6	7625.0	7742.9	7873.5	8001.0	8000.8	7992.4	7977.2
0°	6982.7	7149.1	7345.7	7510.3	7660.8	7772.3	7901.6	8025.5	8016.7	7993.6	7967.1
-2.5°	7002.6	7171.2	7371.8	7508.2	7677.9	7780.1	7913.6	8021.0	8016.9	8005.5	7992.3
-5°	7020.3	7210.0	7397.6	7541.1	7711.1	7844.8	7977.5	8061.4	8066.0	8050.2	8028.1
-7.5°	7031.2	7241.4	7420.4	7564.5	7729.4	7884.8	8019.5	8107.6	8109.5	8088.5	8062.1
-10°	7027.6	7249.5	7433.8	7582.7	7751.6	7905.0	8045.9	8157.5	8153.9	8133.9	8111.3
-12.5°	7014.3	7236.0	7425.2	7574.6	7766.4	7924.3	8082.7	8193.8	8199.7	8184.8	8160.3
-15°	6985.1	7214.0	7398.0	7561.2	7749.2	7933.8	8096.6	8219.1	8241.0	8228.7	8209.4
-17.5°	6927.5	7169.0	7364.2	7540.0	7720.4	7917.1	8102.2	8236.3	8266.1	8261.3	8245.3
-20°	6851.7	7100.9	7299.1	7483.3	7679.6	7882.4	8097.8	8220.3	8263.6	8266.3	8255.5



REPORT NUMBER: P645449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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°	6766.7	7010.7	7220.9	7402.0	7614.9	7820.1	8015.1	8158.6	8231.4	8245.0	8245.9
-25°	6664.7	6915.5	7124.3	7317.2	7515.2	7727.1	7924.2	8084.3	8158.1	8193.4	8204.4
-27.5°	6520.6	6779.8	6985.3	7189.2	7390.6	7609.5	7816.7	7990.7	8050.8	8099.3	8118.8
-30°	6351.9	6608.1	6817.7	7004.0	7234.6	7457.7	7671.5	7823.4	7914.0	7969.5	7999.8
-32.5°	6157.8	6416.5	6636.4	6831.0	7050.1	7273.3	7474.4	7634.6	7759.5	7823.5	7855.9
-35°	5947.4	6211.5	6441.8	6646.7	6852.9	7065.7	7274.1	7441.7	7584.0	7639.0	7679.6
-37.5°	5693.5	5984.9	6221.0	6432.4	6628.3	6828.3	7045.3	7236.9	7375.1	7428.5	7471.3
-40°	5433.2	5714.9	5953.0	6178.4	6372.2	6590.5	6799.6	7000.4	7120.3	7182.5	7231.0
-42.5°	5158.5	5412.9	5639.3	5858.4	6074.1	6298.8	6507.8	6716.5	6820.2	6895.2	6954.6
-45°	4841.2	5078.0	5298.0	5503.0	5725.4	5946.4	6155.4	6339.8	6463.3	6560.9	6636.9
-47.5°	4418.4	4706.7	4927.6	5122.6	5343.1	5556.3	5758.9	5932.3	6067.6	6181.9	6270.1
-50°	3988.9	4265.6	4514.8	4733.8	4938.4	5135.6	5328.4	5498.0	5641.3	5765.0	5854.4
-52.5°	3565.9	3825.2	4072.5	4298.6	4495.2	4681.3	4857.8	5028.4	5179.4	5311.8	5398.3
-55°	3087.9	3356.6	3601.1	3812.0	4008.5	4192.4	4366.6	4528.5	4677.2	4811.9	4894.8
-57.5°	2639.6	2875.2	3102.7	3297.4	3482.9	3658.1	3823.2	3978.2	4121.3	4248.2	4328.1
-60°	2227.5	2399.3	2595.1	2774.8	2939.2	3088.4	3242.5	3386.9	3518.4	3629.9	3704.3
-62.5°	1863.2	2005.6	2147.0	2283.7	2417.0	2550.9	2679.9	2799.8	2909.7	3001.0	3066.3
-65°	1538.6	1653.0	1755.3	1852.2	1944.6	2050.2	2148.3	2240.6	2326.0	2396.0	2445.7
-67.5°	1266.9	1347.3	1418.0	1484.5	1557.4	1632.1	1702.0	1763.0	1815.2	1856.7	1889.5
-70°	1021.7	1080.8	1134.1	1187.2	1240.4	1288.9	1335.2	1380.1	1422.7	1457.4	1483.5
-72.5°	800.1	840.5	876.8	917.7	956.0	992.8	1024.8	1050.7	1070.8	1090.4	1107.4
-75°	610.0	640.4	681.3	715.9	744.5	769.8	792.9	813.6	831.7	847.8	862.0
-77.5°	490.6	516.4	542.5	567.7	592.1	610.3	627.1	644.0	660.5	674.7	687.3
-80°	363.7	382.9	403.0	423.2	443.4	453.4	461.5	468.8	475.4	483.9	491.8
-82.5°	222.4	233.3	244.4	255.7	267.0	269.9	270.9	270.7	269.2	266.1	261.4
-85°	99.0	99.6	99.2	98.1	96.2	92.3	87.5	82.0	75.8	74.8	73.6
-87.5°	21.8	21.3	20.7	20.0	19.2	19.2	19.1	19.0	18.8	19.5	20.0
-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: P645449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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	0.9	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°	3.2	3.3	3.5	3.5	3.5	3.3	3.2	3.1	3.0	3.1	3.4
60°	6.4	4.1	3.5	3.5	3.5	4.1	6.4	8.1	9.2	10.1	10.0
57.5°	39.1	29.2	24.8	23.0	24.8	29.2	39.1	46.3	49.8	151.7	184.2
55°	956.8	1005.5	1041.9	1058.7	1041.9	1005.5	956.8	872.8	755.6	709.1	723.3
52.5°	1328.5	1349.7	1361.9	1361.5	1361.9	1349.7	1328.5	1305.7	1279.8	1236.3	1195.5
50°	1480.8	1491.1	1494.8	1492.5	1494.8	1491.1	1480.8	1464.8	1455.4	1435.5	1362.9
47.5°	2187.3	1997.9	1858.7	1825.3	1858.7	1997.9	2187.3	2272.9	2179.2	1988.4	1772.1
45°	3115.1	3187.0	3258.5	3280.7	3258.5	3187.0	3115.1	3082.5	3014.4	2931.4	2845.5
42.5°	3436.5	3459.9	3473.2	3473.7	3473.2	3459.9	3436.5	3406.0	3333.7	3243.3	3131.8
40°	3589.9	3611.9	3624.8	3625.9	3624.8	3611.9	3589.9	3559.5	3505.3	3425.8	3323.8
37.5°	3729.2	3747.9	3760.3	3772.9	3760.3	3747.9	3729.2	3720.4	3713.1	3632.5	3571.6
35°	4358.5	4216.0	4010.9	4042.0	4010.9	4216.0	4358.5	4375.0	4253.1	4026.5	4135.3
32.5°	5440.7	5500.6	5538.0	5601.7	5538.0	5500.6	5440.7	5385.5	5420.8	5297.0	5030.1
30°	5940.0	5959.8	5989.8	6021.3	5989.8	5959.8	5940.0	5924.2	5914.2	5769.8	5608.7
27.5°	6064.6	6085.1	6103.3	6117.0	6103.3	6085.1	6064.6	6052.9	6030.7	5940.2	5803.1
25°	6129.8	6142.6	6161.9	6178.9	6161.9	6142.6	6129.8	6127.3	6109.5	6053.6	5943.6
22.5°	6162.2	6163.5	6178.7	6200.2	6178.7	6163.5	6162.2	6167.4	6158.4	6134.0	6014.4
20°	6184.4	6172.4	6188.0	6201.9	6188.0	6172.4	6184.4	6192.5	6190.1	6190.7	6091.0
17.5°	6467.5	6306.0	6239.7	6240.9	6239.7	6306.0	6467.5	6306.4	6420.6	6473.3	6446.8
15°	7380.6	7441.2	7673.4	7798.9	7673.4	7441.2	7380.6	7554.5	7399.6	7435.6	7298.0
12.5°	7969.8	7948.2	7920.7	7958.2	7920.7	7948.2	7969.8	7975.4	8005.9	8022.2	7980.7
10°	7997.1	7994.6	7945.5	7999.0	7945.5	7994.6	7997.1	8013.6	8052.4	8079.8	8032.3
7.5°	7980.4	7981.8	7960.9	8013.1	7960.9	7981.8	7980.4	8024.0	8050.7	8066.6	8018.3
5°	7991.4	7955.4	7969.1	7999.0	7969.1	7955.4	7991.4	7995.6	8021.6	8040.8	8012.3
2.5°	7960.5	7956.8	7930.2	7951.2	7930.2	7956.8	7960.5	7977.2	7992.4	8000.8	8001.0
0°	7937.0	7917.5	7917.5	7935.2	7917.5	7917.5	7937.0	7967.1	7993.6	8016.7	8025.5
-2.5°	7978.9	7974.8	7972.2	7960.0	7972.2	7974.8	7978.9	7992.3	8005.5	8016.9	8021.0
-5°	8013.3	8002.8	7973.8	8013.1	7973.8	8002.8	8013.3	8028.1	8050.2	8066.0	8061.4
-7.5°	8050.3	8023.4	7995.9	8057.4	7995.9	8023.4	8050.3	8062.1	8088.5	8109.5	8107.6
-10°	8084.1	8045.3	8018.5	8078.6	8018.5	8045.3	8084.1	8111.3	8133.9	8153.9	8157.5
-12.5°	8128.8	8083.4	8065.5	8098.1	8065.5	8083.4	8128.8	8160.3	8184.8	8199.7	8193.8
-15°	8176.5	8145.0	8140.8	8160.1	8140.8	8145.0	8176.5	8209.4	8228.7	8241.0	8219.1
-17.5°	8218.4	8196.3	8207.2	8229.1	8207.2	8196.3	8218.4	8245.3	8261.3	8266.1	8236.3
-20°	8238.3	8226.0	8238.3	8292.9	8238.3	8226.0	8238.3	8255.5	8266.3	8263.6	8220.3



REPORT NUMBER: P645449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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°	8236.7	8237.4	8259.1	8276.9	8259.1	8237.4	8236.7	8245.9	8245.0	8231.4	8158.6
-25°	8205.2	8221.8	8246.6	8282.2	8246.6	8221.8	8205.2	8204.4	8193.4	8158.1	8084.3
-27.5°	8129.4	8156.9	8182.9	8220.3	8182.9	8156.9	8129.4	8118.8	8099.3	8050.8	7990.7
-30°	8019.8	8052.5	8075.7	8115.8	8075.7	8052.5	8019.8	7999.8	7969.5	7914.0	7823.4
-32.5°	7886.4	7923.5	7950.9	7979.5	7950.9	7923.5	7886.4	7855.9	7823.5	7759.5	7634.6
-35°	7719.8	7759.6	7788.7	7814.8	7788.7	7759.6	7719.8	7679.6	7639.0	7584.0	7441.7
-37.5°	7519.4	7562.4	7595.6	7625.4	7595.6	7562.4	7519.4	7471.3	7428.5	7375.1	7236.9
-40°	7286.0	7330.1	7365.5	7398.8	7365.5	7330.1	7286.0	7231.0	7182.5	7120.3	7000.4
-42.5°	7013.2	7057.7	7094.3	7127.9	7094.3	7057.7	7013.2	6954.6	6895.2	6820.2	6716.5
-45°	6698.1	6743.9	6782.6	6818.1	6782.6	6743.9	6698.1	6636.9	6560.9	6463.3	6339.8
-47.5°	6335.2	6384.2	6417.3	6433.9	6417.3	6384.2	6335.2	6270.1	6181.9	6067.6	5932.3
-50°	5919.2	5968.2	6008.0	6037.3	6008.0	5968.2	5919.2	5854.4	5765.0	5641.3	5498.0
-52.5°	5461.4	5508.0	5542.1	5562.8	5542.1	5508.0	5461.4	5398.3	5311.8	5179.4	5028.4
-55°	4960.0	5008.8	5041.2	5056.4	5041.2	5008.8	4960.0	4894.8	4811.9	4677.2	4528.5
-57.5°	4391.4	4437.8	4472.3	4491.7	4472.3	4437.8	4391.4	4328.1	4248.2	4121.3	3978.2
-60°	3762.3	3803.8	3829.9	3840.1	3829.9	3803.8	3762.3	3704.3	3629.9	3518.4	3386.9
-62.5°	3118.9	3158.1	3182.6	3192.1	3182.6	3158.1	3118.9	3066.3	3001.0	2909.7	2799.8
-65°	2482.7	2507.4	2520.9	2522.9	2520.9	2507.4	2482.7	2445.7	2396.0	2326.0	2240.6
-67.5°	1915.4	1934.1	1945.5	1949.3	1945.5	1934.1	1915.4	1889.5	1856.7	1815.2	1763.0
-70°	1502.9	1515.8	1523.1	1524.4	1523.1	1515.8	1502.9	1483.5	1457.4	1422.7	1380.1
-72.5°	1120.5	1129.7	1126.5	1118.9	1126.5	1129.7	1120.5	1107.4	1090.4	1070.8	1050.7
-75°	874.1	884.3	880.0	872.8	880.0	884.3	874.1	862.0	847.8	831.7	813.6
-77.5°	698.3	707.6	703.0	695.8	703.0	707.6	698.3	687.3	674.7	660.5	644.0
-80°	498.6	504.1	508.0	509.9	508.0	504.1	498.6	491.8	483.9	475.4	468.8
-82.5°	255.2	247.7	243.0	237.2	243.0	247.7	255.2	261.4	266.1	269.2	270.7
-85°	72.2	70.4	71.6	72.6	71.6	70.4	72.2	73.6	74.8	75.8	82.0
-87.5°	20.6	21.1	21.2	21.2	21.2	21.1	20.6	20.0	19.5	18.8	19.0
-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: P645449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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	2.5	2.4	2.5	2.5	2.5	2.4	2.3
62.5°	3.6	3.7	3.8	3.9	3.9	5.0	4.4	4.5	4.2	5.0	6.9
60°	8.5	6.7	10.0	11.2	9.6	16.4	27.8	25.0	7.4	40.1	46.2
57.5°	117.2	97.3	203.8	203.2	85.1	114.9	153.9	101.3	66.3	113.5	150.0
55°	817.0	748.2	650.5	640.1	673.9	512.0	428.1	412.0	322.4	209.6	249.0
52.5°	1151.8	1083.2	1016.5	954.5	903.6	849.2	769.1	682.6	655.0	527.4	406.6
50°	1303.3	1369.9	1304.3	1143.9	1172.4	1094.9	982.2	890.3	909.1	831.0	670.0
47.5°	1767.3	1848.6	1850.6	1755.0	1648.4	1615.6	1450.3	1163.1	1182.3	1179.0	1008.4
45°	2587.5	2474.0	2516.3	2381.9	2193.8	2089.9	2084.2	1777.0	1492.4	1446.2	1429.7
42.5°	3037.0	2953.0	2866.0	2765.8	2599.4	2433.6	2331.2	2158.3	1929.5	1727.0	1655.2
40°	3218.7	3120.8	3039.7	2956.7	2822.7	2652.8	2570.3	2343.4	2171.4	1996.1	1937.7
37.5°	3438.4	3252.6	3325.1	3168.1	3043.7	3002.4	2938.4	2702.2	2321.0	2289.0	2259.5
35°	3928.8	3755.1	3922.3	3892.6	3397.7	3452.8	3495.3	3205.1	2805.9	2589.6	2594.3
32.5°	5047.8	4647.4	4525.1	4674.9	4414.6	3982.6	3989.0	3900.6	3355.9	3041.0	2903.2
30°	5452.9	5275.1	5082.4	5056.4	4862.6	4612.8	4454.1	4241.7	3845.2	3485.8	3249.7
27.5°	5627.7	5466.3	5304.2	5179.0	5066.9	4897.3	4690.2	4440.7	4158.6	3836.6	3607.2
25°	5752.5	5571.8	5431.9	5293.7	5173.0	5044.6	4833.0	4590.0	4326.8	4067.2	3820.8
22.5°	5852.7	5684.3	5533.7	5385.1	5287.1	5149.1	4959.0	4708.0	4531.3	4366.3	4046.0
20°	5962.3	5800.0	5630.4	5637.6	5493.4	5262.8	5080.2	4955.2	4931.0	4745.3	4331.8
17.5°	6438.3	5991.9	6074.8	6232.2	5914.4	5496.0	5430.8	5437.8	5361.0	5188.4	4674.2
15°	7457.8	6813.0	6818.7	6927.1	6582.7	6068.6	5949.9	5935.5	5814.7	5623.7	5035.8
12.5°	7779.0	7563.6	7523.9	7362.8	7024.6	6640.4	6499.8	6423.7	6202.1	5832.6	5296.0
10°	7887.5	7762.7	7596.8	7434.3	7229.1	7074.7	6874.5	6597.5	6283.0	5926.6	5489.8
7.5°	7900.3	7770.9	7637.2	7482.5	7302.4	7121.2	6923.3	6648.0	6343.9	5994.4	5626.4
5°	7892.8	7763.7	7639.9	7491.9	7309.2	7133.6	6954.3	6682.1	6385.0	6038.6	5716.2
2.5°	7873.5	7742.9	7625.0	7490.6	7308.6	7139.4	6973.4	6718.6	6414.4	6075.0	5746.2
0°	7901.6	7772.3	7660.8	7510.3	7345.7	7149.1	6982.7	6756.1	6428.6	6099.2	5757.5
-2.5°	7913.6	7780.1	7677.9	7508.2	7371.8	7171.2	7002.6	6783.7	6455.3	6142.0	5784.9
-5°	7977.5	7844.8	7711.1	7541.1	7397.6	7210.0	7020.3	6794.9	6475.4	6165.1	5797.3
-7.5°	8019.5	7884.8	7729.4	7564.5	7420.4	7241.4	7031.2	6796.0	6493.8	6164.8	5803.2
-10°	8045.9	7905.0	7751.6	7582.7	7433.8	7249.5	7027.6	6790.1	6490.1	6150.4	5790.2
-12.5°	8082.7	7924.3	7766.4	7574.6	7425.2	7236.0	7014.3	6776.5	6462.3	6123.4	5757.0
-15°	8096.6	7933.8	7749.2	7561.2	7398.0	7214.0	6985.1	6736.4	6413.8	6081.9	5702.9
-17.5°	8102.2	7917.1	7720.4	7540.0	7364.2	7169.0	6927.5	6662.9	6351.5	6008.6	5631.5
-20°	8097.8	7882.4	7679.6	7483.3	7299.1	7100.9	6851.7	6589.7	6262.5	5913.8	5539.0



REPORT NUMBER: P645449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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°	8015.1	7820.1	7614.9	7402.0	7220.9	7010.7	6766.7	6495.5	6146.9	5809.6	5421.3
-25°	7924.2	7727.1	7515.2	7317.2	7124.3	6915.5	6664.7	6357.3	6026.1	5675.2	5278.4
-27.5°	7816.7	7609.5	7390.6	7189.2	6985.3	6779.8	6520.6	6210.9	5892.0	5508.4	5123.2
-30°	7671.5	7457.7	7234.6	7004.0	6817.7	6608.1	6351.9	6051.0	5708.7	5329.9	4963.2
-32.5°	7474.4	7273.3	7050.1	6831.0	6636.4	6416.5	6157.8	5859.2	5499.8	5141.5	4760.1
-35°	7274.1	7065.7	6852.9	6646.7	6441.8	6211.5	5947.4	5622.3	5278.9	4924.0	4528.2
-37.5°	7045.3	6828.3	6628.3	6432.4	6221.0	5984.9	5693.5	5379.5	5044.6	4654.4	4277.7
-40°	6799.6	6590.5	6372.2	6178.4	5953.0	5714.9	5433.2	5128.0	4759.7	4374.1	4019.9
-42.5°	6507.8	6298.8	6074.1	5858.4	5639.3	5412.9	5158.5	4828.2	4463.2	4099.4	3731.7
-45°	6155.4	5946.4	5725.4	5503.0	5298.0	5078.0	4841.2	4489.2	4128.7	3782.0	3429.1
-47.5°	5758.9	5556.3	5343.1	5122.6	4927.6	4706.7	4418.4	4090.8	3771.8	3441.9	3080.7
-50°	5328.4	5135.6	4938.4	4733.8	4514.8	4265.6	3988.9	3703.1	3387.1	3048.5	2718.5
-52.5°	4857.8	4681.3	4495.2	4298.6	4072.5	3825.2	3565.9	3262.5	2947.3	2659.8	2359.7
-55°	4366.6	4192.4	4008.5	3812.0	3601.1	3356.6	3087.9	2812.0	2554.7	2288.8	2059.9
-57.5°	3823.2	3658.1	3482.9	3297.4	3102.7	2875.2	2639.6	2405.4	2201.7	1995.1	1787.3
-60°	3242.5	3088.4	2939.2	2774.8	2595.1	2399.3	2227.5	2054.7	1881.8	1716.9	1549.6
-62.5°	2679.9	2550.9	2417.0	2283.7	2147.0	2005.6	1863.2	1729.9	1593.5	1453.7	1330.6
-65°	2148.3	2050.2	1944.6	1852.2	1755.3	1653.0	1538.6	1434.0	1334.9	1232.5	1127.8
-67.5°	1702.0	1632.1	1557.4	1484.5	1418.0	1347.3	1266.9	1182.3	1103.8	1028.0	950.9
-70°	1335.2	1288.9	1240.4	1187.2	1134.1	1080.8	1021.7	959.4	896.4	839.6	785.2
-72.5°	1024.8	992.8	956.0	917.7	876.8	840.5	800.1	758.1	715.4	672.3	631.3
-75°	792.9	769.8	744.5	715.9	681.3	640.4	610.0	589.5	563.7	532.4	498.2
-77.5°	627.1	610.3	592.1	567.7	542.5	516.4	490.6	465.3	440.1	416.4	394.7
-80°	461.5	453.4	443.4	423.2	403.0	382.9	363.7	348.1	333.4	317.3	297.5
-82.5°	270.9	269.9	267.0	255.7	244.4	233.3	222.4	211.4	199.8	187.7	175.4
-85°	87.5	92.3	96.2	98.1	99.2	99.6	99.0	96.1	92.7	88.9	84.7
-87.5°	19.1	19.2	19.2	20.0	20.7	21.3	21.8	22.9	23.8	24.5	25.1
-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: P645449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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	1.8	1.9
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.7	2.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.7	3.1
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.7	3.1
75°	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.9	2.3	2.8	3.2
72.5°	1.8	1.8	1.8	2.0	2.3	2.3	2.1	2.0	2.4	2.8	3.2
70°	2.0	1.9	1.8	2.1	2.5	2.8	2.8	2.8	2.5	2.8	3.2
67.5°	2.6	2.7	2.4	2.4	2.6	3.0	3.4	4.0	3.9	2.9	3.3
65°	2.7	3.1	3.7	5.0	4.4	3.1	3.5	6.9	5.5	4.7	3.3
62.5°	5.8	3.2	11.1	14.9	8.4	6.6	5.2	15.4	9.7	6.5	4.7
60°	13.9	11.4	31.2	50.0	34.9	11.7	17.2	26.7	24.5	8.5	6.6
57.5°	129.8	44.6	64.7	93.5	91.9	49.9	36.3	48.5	41.7	24.0	9.4
55°	277.2	233.2	154.0	141.0	152.4	123.0	80.0	78.5	64.4	44.6	15.2
52.5°	380.2	396.8	345.4	241.3	210.1	200.2	156.4	113.9	101.2	67.0	38.8
50°	550.4	512.6	507.5	426.0	294.6	266.7	230.9	178.0	142.0	95.9	65.5
47.5°	777.6	683.1	632.9	596.3	470.1	340.0	302.8	243.4	187.0	138.1	93.6
45°	1111.3	882.9	786.0	726.6	644.2	478.1	379.0	307.0	243.7	185.4	122.9
42.5°	1446.3	1141.5	960.6	864.8	779.1	634.2	460.4	380.2	298.9	233.6	160.1
40°	1742.1	1408.2	1144.3	1021.0	911.5	784.9	592.3	458.7	353.0	283.1	202.4
37.5°	2098.1	1711.9	1355.6	1184.7	1052.7	910.7	726.0	540.6	418.1	335.1	244.9
35°	2442.5	2105.0	1592.1	1382.5	1209.7	1039.8	854.9	637.4	498.1	387.9	287.2
32.5°	2812.4	2474.7	1949.2	1603.4	1372.3	1171.8	975.3	755.1	578.5	441.4	329.5
30°	3103.5	2718.0	2262.6	1824.5	1549.2	1319.0	1095.6	868.0	659.1	495.3	372.1
27.5°	3257.9	2928.6	2510.0	2070.9	1748.2	1469.9	1219.6	975.9	739.6	554.6	416.5
25°	3417.5	3077.0	2686.8	2286.3	1944.8	1629.6	1343.0	1078.8	827.4	621.5	460.5
22.5°	3608.5	3203.1	2835.8	2457.0	2147.6	1791.6	1472.4	1183.0	915.3	687.0	503.7
20°	3800.2	3320.2	2983.0	2689.3	2346.5	1966.8	1607.7	1284.6	998.2	750.9	546.0
17.5°	4001.5	3532.8	3232.7	2916.0	2544.8	2136.6	1741.0	1383.1	1075.9	812.7	587.1
15°	4351.7	3851.2	3484.2	3136.6	2742.2	2300.0	1871.0	1477.7	1148.5	872.1	625.3
12.5°	4669.7	4147.7	3735.9	3349.9	2936.2	2455.7	1996.5	1567.7	1215.7	919.5	659.4
10°	4932.9	4422.5	3984.8	3554.6	3124.5	2602.7	2116.1	1641.0	1256.0	954.8	690.7
7.5°	5148.4	4676.6	4227.4	3749.4	3286.4	2698.9	2176.4	1683.7	1287.2	984.9	719.3
5°	5304.1	4846.1	4356.3	3817.3	3337.0	2738.3	2217.4	1718.5	1312.5	1010.0	745.1
2.5°	5349.0	4898.2	4404.7	3854.5	3371.2	2763.9	2246.7	1745.1	1331.8	1030.3	768.0
0°	5375.1	4932.5	4435.0	3877.3	3388.7	2776.1	2264.4	1763.4	1345.6	1046.3	787.9
-2.5°	5411.6	4962.1	4464.3	3936.0	3400.3	2813.2	2274.4	1775.3	1362.9	1052.0	799.5
-5°	5429.9	4973.6	4478.3	3975.5	3397.2	2835.4	2273.2	1779.1	1374.2	1054.0	808.0
-7.5°	5421.9	4969.7	4478.9	3987.9	3381.9	2840.5	2260.8	1775.1	1378.8	1052.6	813.3
-10°	5397.4	4949.6	4461.7	3955.9	3367.7	2820.4	2238.8	1763.8	1376.1	1048.1	815.3
-12.5°	5360.2	4911.9	4426.8	3909.9	3338.2	2779.0	2212.9	1744.4	1364.9	1040.8	813.9
-15°	5312.0	4857.1	4373.7	3851.3	3289.7	2724.0	2173.9	1716.4	1343.3	1032.6	809.1
-17.5°	5250.1	4785.7	4302.1	3781.9	3221.4	2655.8	2121.6	1679.8	1316.2	1022.5	799.4
-20°	5139.6	4689.7	4211.2	3702.9	3132.8	2574.9	2055.6	1634.8	1284.0	1008.3	785.5

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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°	5015.4	4570.9	4097.8	3596.4	3026.0	2482.0	1975.9	1581.2	1246.9	989.7	768.7
-25°	4883.0	4437.1	3966.1	3449.0	2908.1	2383.8	1896.1	1519.2	1205.0	966.7	749.3
-27.5°	4727.5	4285.6	3816.8	3286.7	2771.1	2269.8	1819.5	1464.3	1164.5	939.2	727.2
-30°	4552.7	4107.5	3630.2	3113.5	2621.0	2137.9	1733.7	1405.7	1130.3	909.3	702.7
-32.5°	4352.3	3911.3	3423.4	2936.1	2462.4	1998.1	1639.0	1343.0	1090.7	877.5	679.9
-35°	4124.3	3683.0	3204.3	2745.8	2294.3	1885.1	1546.4	1276.4	1045.8	843.1	656.0
-37.5°	3886.7	3437.9	2985.2	2547.0	2115.6	1762.8	1463.0	1210.7	995.7	806.3	629.5
-40°	3615.5	3185.7	2755.2	2342.2	1961.0	1631.5	1372.9	1145.9	948.3	767.1	600.5
-42.5°	3336.0	2921.2	2515.3	2125.4	1808.4	1524.6	1278.5	1076.0	898.3	729.3	569.1
-45°	3034.8	2642.0	2260.2	1942.8	1653.1	1411.4	1195.8	1003.6	844.9	690.6	536.6
-47.5°	2716.9	2347.6	2028.3	1752.5	1521.1	1297.6	1107.9	941.0	789.0	649.1	504.1
-50°	2380.3	2073.5	1814.8	1587.1	1378.9	1195.2	1020.3	875.4	737.6	603.2	470.0
-52.5°	2082.0	1836.2	1622.1	1427.2	1253.4	1087.4	944.8	808.2	684.7	559.3	434.4
-55°	1826.4	1624.9	1444.3	1282.1	1129.0	995.0	866.5	748.4	630.3	515.3	398.3
-57.5°	1605.7	1429.6	1285.0	1144.1	1017.7	903.5	795.1	687.4	578.2	469.7	369.7
-60°	1393.6	1262.2	1133.5	1020.2	913.2	816.3	727.7	626.4	525.6	424.2	338.0
-62.5°	1210.4	1098.2	1001.0	902.2	813.3	734.3	659.8	566.7	471.5	382.0	303.5
-65°	1038.8	952.6	869.8	791.0	717.2	650.3	590.0	505.6	417.3	337.3	267.8
-67.5°	875.8	810.8	745.8	679.7	621.6	567.4	515.9	439.6	360.6	290.3	232.3
-70°	730.1	674.6	623.7	574.6	527.5	482.4	433.7	369.2	301.3	248.1	196.0
-72.5°	592.6	552.1	509.8	469.4	434.6	394.9	350.1	299.9	252.3	205.3	158.9
-75°	465.3	438.6	408.8	376.8	344.3	308.8	279.2	244.1	202.6	161.6	128.0
-77.5°	372.3	346.3	316.4	290.8	269.1	244.8	218.0	187.5	154.5	125.7	99.0
-80°	274.7	254.7	237.8	223.1	203.0	180.9	158.6	136.4	112.4	90.0	69.4
-82.5°	167.5	163.1	158.5	151.7	134.9	118.5	102.4	86.5	69.5	53.8	44.5
-85°	83.8	82.1	79.6	76.1	65.8	55.7	51.0	46.3	40.6	35.1	29.8
-87.5°	27.5	29.6	31.3	32.5	30.2	27.9	25.5	23.2	20.3	17.6	14.9
-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°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
85°	1.8	1.5	1.2	0.9	0.6	0.4	0.0
82.5°	2.7	2.3	1.8	1.4	0.9	0.6	0.0
80°	3.5	3.0	2.4	1.8	1.2	0.8	0.0
77.5°	3.5	3.5	3.0	2.3	1.5	1.0	0.0
75°	3.5	3.6	3.5	2.7	1.8	1.1	0.0
72.5°	3.6	3.8	3.7	3.1	2.2	1.3	0.0
70°	3.7	3.9	3.9	3.5	2.5	1.5	0.0
67.5°	4.1	4.1	4.0	3.7	2.8	1.7	0.0
65°	4.7	4.7	4.2	3.9	3.1	1.9	0.0
62.5°	5.5	5.8	4.4	4.1	3.4	2.1	0.0
60°	6.5	7.1	4.6	4.3	3.7	2.3	0.0
57.5°	12.1	8.5	6.0	4.4	3.9	2.4	0.0
55°	19.3	10.0	7.5	4.6	4.1	2.6	0.0
52.5°	27.7	12.9	9.0	4.8	4.3	2.8	0.0
50°	37.3	22.0	10.7	5.0	4.6	3.0	0.0
47.5°	50.2	31.8	12.4	5.5	4.8	3.1	0.0
45°	75.8	42.2	14.1	6.9	5.0	3.3	0.0
42.5°	101.9	53.4	16.0	8.2	5.2	3.5	0.0
40°	128.7	65.2	21.5	10.0	5.4	3.6	0.0
37.5°	155.9	77.6	30.7	12.1	5.7	3.8	0.0
35°	183.6	96.4	40.1	14.4	5.9	3.9	0.0
32.5°	213.7	118.2	49.6	17.0	6.1	4.1	0.0
30°	248.0	139.9	59.2	19.8	6.4	4.2	0.0
27.5°	281.6	161.3	71.0	22.8	6.6	4.3	0.0
25°	314.4	182.4	83.1	26.0	6.8	4.5	0.0
22.5°	346.3	203.9	95.2	29.3	7.1	4.6	0.0
20°	377.1	226.9	107.1	32.6	7.3	4.7	0.0
17.5°	407.6	249.2	118.9	36.1	7.5	4.8	0.0
15°	436.9	270.6	130.4	39.5	7.8	4.9	0.0
12.5°	464.3	291.1	141.5	43.0	8.0	5.0	0.0
10°	489.7	310.4	152.1	46.4	8.2	5.1	0.0
7.5°	513.0	328.4	162.1	49.6	8.4	5.1	0.0
5°	534.3	345.1	171.5	52.8	8.6	5.2	0.0
2.5°	553.3	360.2	180.0	55.7	8.7	5.3	0.0
0°	570.1	373.6	187.7	58.4	8.9	5.3	0.0
-2.5°	578.4	382.1	194.8	62.2	10.3	5.6	0.0
-5°	584.5	388.8	200.9	65.7	11.6	5.9	0.0
-7.5°	588.4	393.7	205.9	68.8	13.0	6.2	0.0
-10°	590.2	396.8	209.6	71.6	14.2	6.4	0.0
-12.5°	589.9	398.0	212.1	73.8	15.4	6.7	0.0
-15°	587.6	397.5	213.3	75.7	16.6	6.9	0.0
-17.5°	583.3	395.1	213.2	77.0	17.7	7.1	0.0
-20°	576.6	390.9	211.6	77.8	18.6	7.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	567.0	384.9	208.6	78.0	19.5	7.4	0.0
-25°	555.1	375.7	204.2	77.7	20.3	7.5	0.0
-27.5°	541.0	364.1	198.2	76.7	21.0	7.6	0.0
-30°	524.7	351.0	190.8	75.1	21.5	7.7	0.0
-32.5°	506.2	336.3	182.1	72.9	21.9	7.7	0.0
-35°	486.2	320.1	172.5	70.1	22.2	7.7	0.0
-37.5°	464.7	303.8	161.8	66.6	22.4	7.6	0.0
-40°	441.5	289.0	150.3	62.4	22.4	7.6	0.0
-42.5°	416.7	273.2	141.5	57.9	22.3	7.4	0.0
-45°	390.3	256.4	135.5	53.4	22.0	7.3	0.0
-47.5°	362.5	238.6	128.4	48.2	21.6	7.1	0.0
-50°	339.2	219.9	120.3	46.5	21.1	6.9	0.0
-52.5°	315.9	200.3	111.1	45.6	20.4	6.7	0.0
-55°	291.7	185.4	101.0	44.1	19.6	6.4	0.0
-57.5°	266.6	170.3	89.8	42.2	18.6	6.1	0.0
-60°	241.1	153.9	78.1	39.9	17.6	5.7	0.0
-62.5°	217.9	136.1	72.6	37.0	16.5	5.4	0.0
-65°	192.9	117.1	66.3	33.8	15.3	5.0	0.0
-67.5°	166.4	101.2	59.2	30.1	14.1	4.5	0.0
-70°	138.5	88.6	51.5	26.2	12.7	4.1	0.0
-72.5°	117.1	75.0	43.2	23.0	11.3	3.6	0.0
-75°	95.7	60.6	34.4	20.0	9.8	3.1	0.0
-77.5°	73.3	45.5	28.4	16.9	8.3	2.6	0.0
-80°	50.0	34.6	23.0	13.6	6.7	2.1	0.0
-82.5°	36.7	26.2	17.4	10.3	5.1	1.6	0.0
-85°	24.6	17.6	11.6	6.9	3.4	1.1	0.0
-87.5°	12.4	8.8	5.8	3.5	1.7	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)