

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: P645579 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA6D-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645579 (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-SA6D-740-U-LAM-VSR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

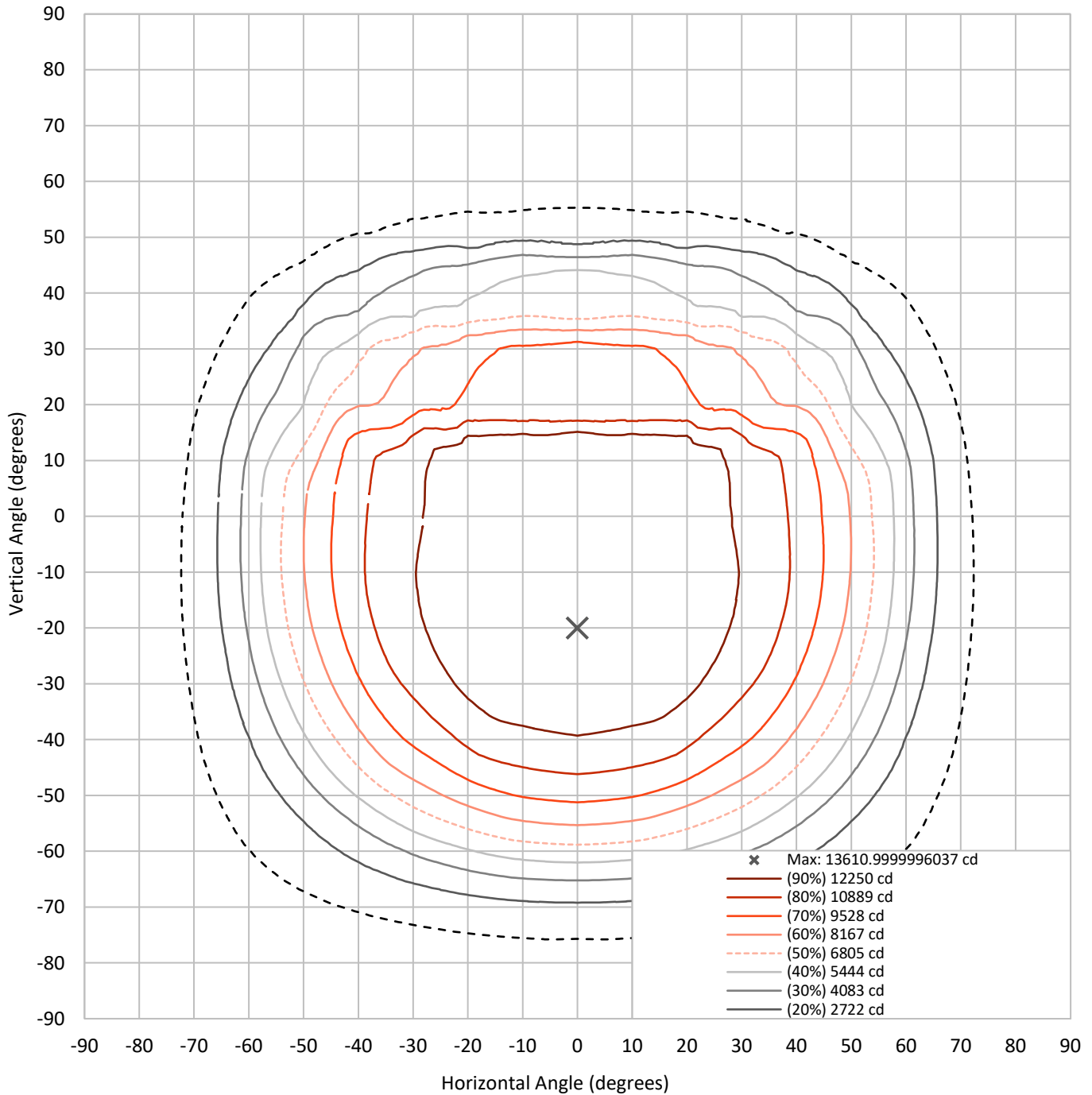
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	31915.1 lumens	Max Intensity:	13611 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	97.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	24949.4 lumens	Field Lumens:	31281.3 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	325.9		
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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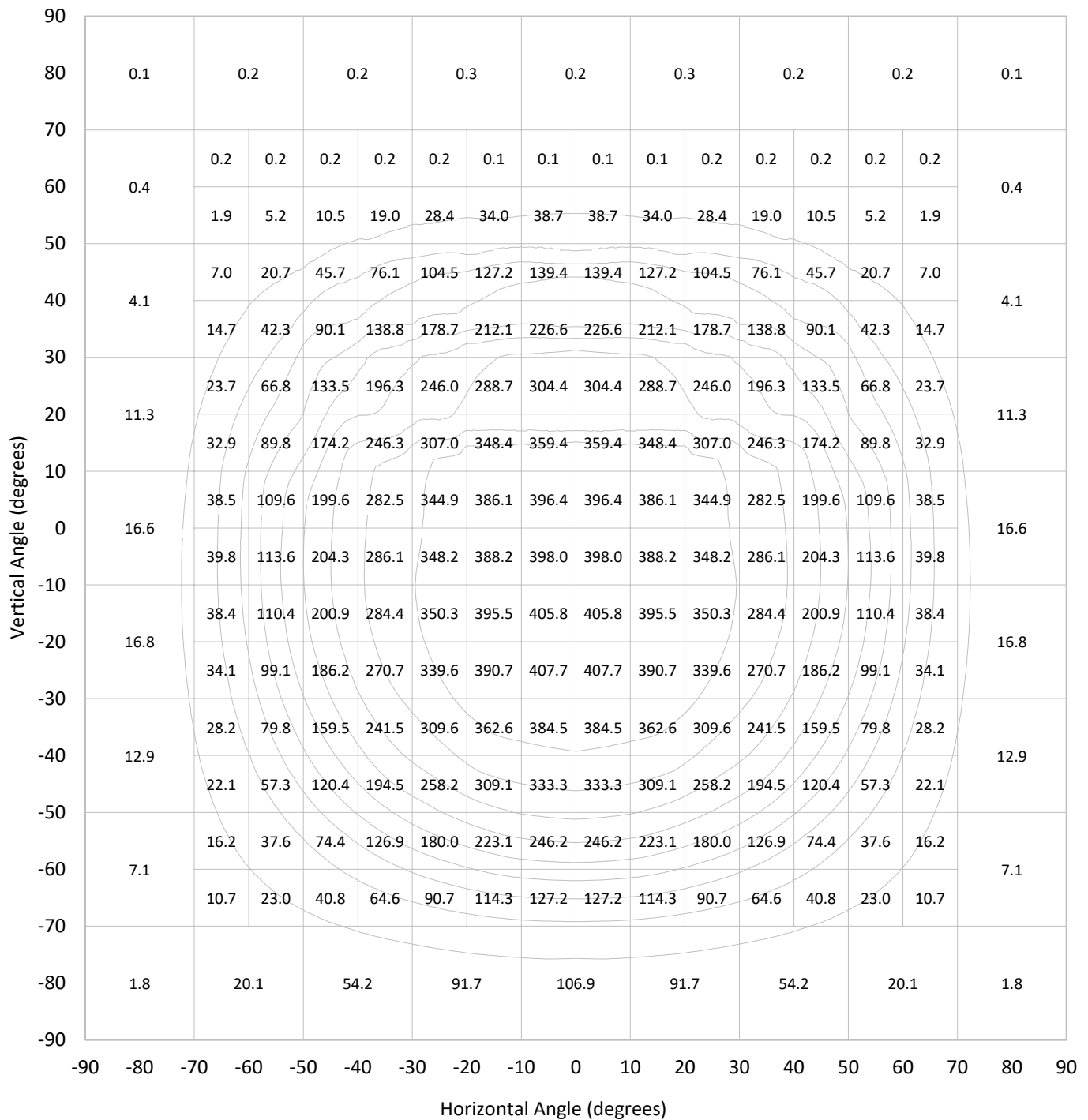
Iso-Candela Plot





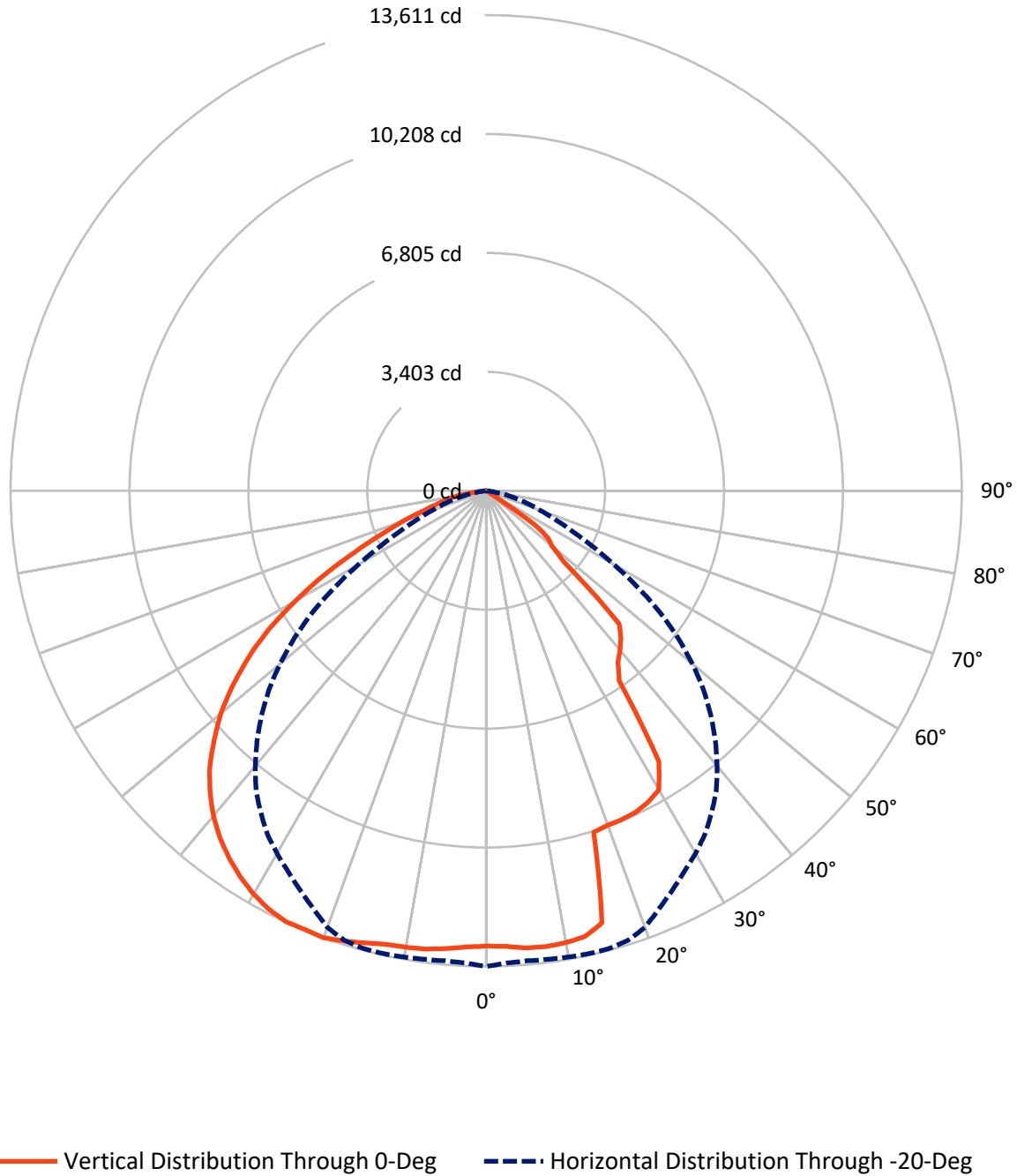
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Lumen Table



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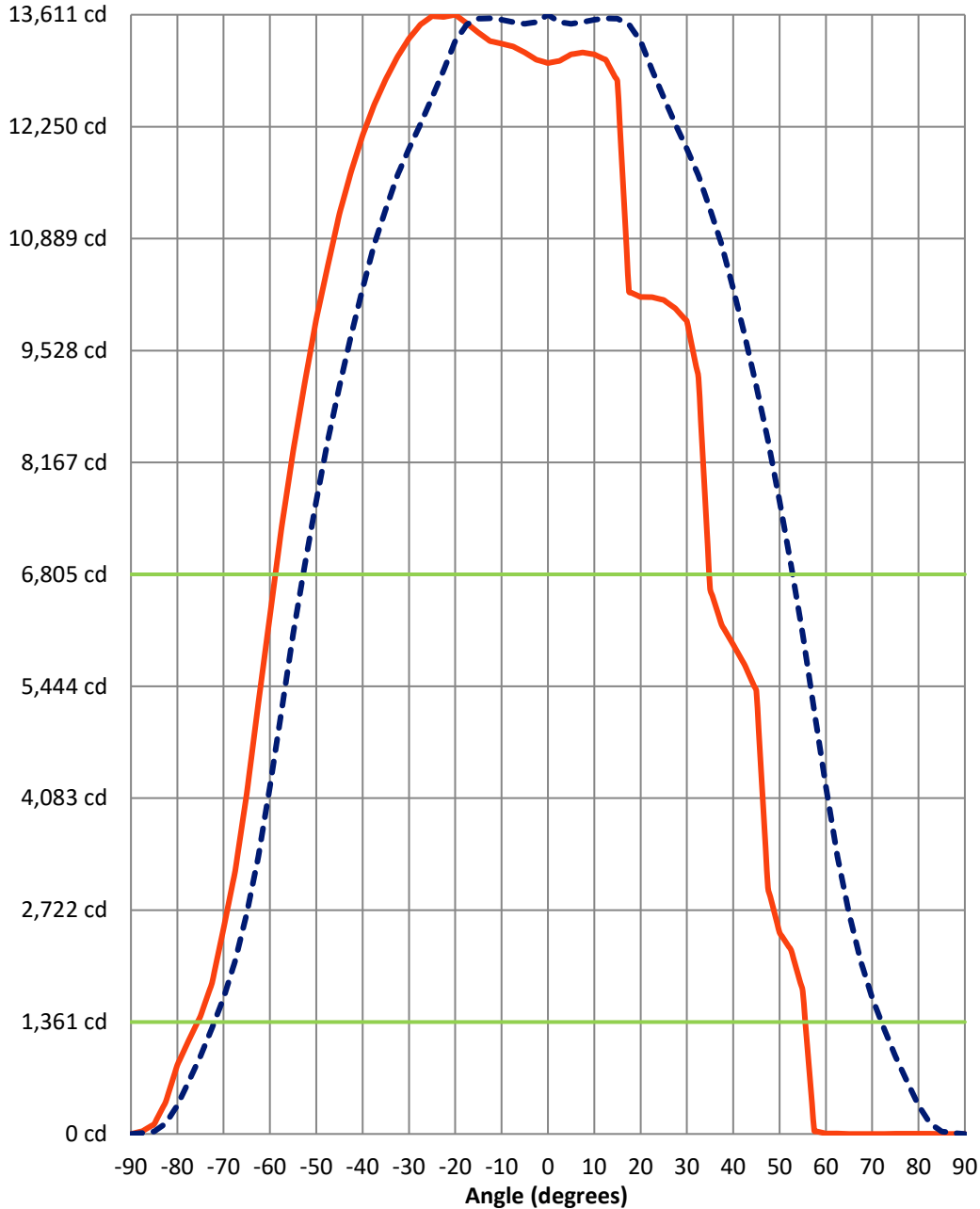
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 24949.4
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 31281.3
 Efficiency: 98.0%

Spill:
 Lumens: 633.8
 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	0.3	0.5	0.8	1.0	1.3	1.5	1.5	1.5	1.4	1.2
85°	0.0	0.6	1.0	1.5	2.0	2.5	3.0	3.1	3.0	2.8	2.5
82.5°	0.0	0.9	1.5	2.3	3.0	3.8	4.5	4.6	4.4	3.7	3.0
80°	0.0	1.3	2.0	3.0	4.0	5.0	5.8	5.1	4.4	3.7	3.0
77.5°	0.0	1.6	2.5	3.8	5.0	5.9	5.8	5.2	4.5	3.8	3.1
75°	0.0	1.9	3.0	4.5	5.8	6.0	5.9	5.2	4.5	3.8	3.1
72.5°	0.0	2.2	3.6	5.2	6.1	6.2	6.0	5.3	4.6	3.9	3.2
70°	0.0	2.5	4.1	5.9	6.4	6.5	6.1	5.4	4.7	4.0	4.6
67.5°	0.0	2.8	4.6	6.1	6.7	6.7	6.8	5.4	4.8	6.4	6.6
65°	0.0	3.1	5.1	6.4	7.0	7.7	7.8	5.5	7.7	9.1	11.4
62.5°	0.0	3.4	5.7	6.7	7.3	9.6	9.1	7.7	10.7	15.9	25.3
60°	0.0	3.7	6.2	7.0	7.6	11.7	10.8	10.9	13.9	40.3	43.9
57.5°	0.0	4.0	6.5	7.3	9.9	14.0	19.9	15.4	39.5	68.5	79.6
55°	0.0	4.3	6.8	7.6	12.3	16.5	31.7	25.0	73.2	105.8	128.9
52.5°	0.0	4.6	7.2	8.0	14.8	21.2	45.5	63.6	110.0	166.0	187.0
50°	0.0	4.9	7.5	8.3	17.5	36.1	61.3	107.6	157.3	233.0	292.1
47.5°	0.0	5.2	7.8	9.1	20.3	52.2	82.4	153.6	226.7	306.8	399.5
45°	0.0	5.4	8.2	11.3	23.2	69.3	124.4	201.7	304.3	399.9	503.8
42.5°	0.0	5.7	8.6	13.5	26.2	87.6	167.3	262.8	383.3	490.5	624.0
40°	0.0	5.9	8.9	16.3	35.3	107.0	211.2	332.3	464.7	579.4	752.8
37.5°	0.0	6.2	9.3	19.8	50.4	127.4	256.0	401.9	550.0	686.2	887.2
35°	0.0	6.4	9.7	23.7	65.8	158.3	301.4	471.5	636.7	817.4	1046.0
32.5°	0.0	6.7	10.0	28.0	81.4	194.1	350.7	540.8	724.4	949.4	1239.3
30°	0.0	6.9	10.4	32.6	97.1	229.7	407.0	610.8	813.0	1081.7	1424.6
27.5°	0.0	7.1	10.8	37.5	116.5	264.8	462.2	683.7	910.2	1213.8	1601.8
25°	0.0	7.3	11.2	42.7	136.4	299.3	516.1	755.8	1020.0	1358.1	1770.7
22.5°	0.0	7.5	11.6	48.0	156.2	334.6	568.4	826.7	1127.6	1502.3	1941.6
20°	0.0	7.7	11.9	53.6	175.9	372.4	619.0	896.1	1232.4	1638.3	2108.5
17.5°	0.0	7.9	12.3	59.2	195.2	409.0	669.0	963.6	1333.9	1766.0	2270.0
15°	0.0	8.0	12.7	64.9	214.0	444.2	717.1	1026.3	1431.4	1885.0	2425.3
12.5°	0.0	8.2	13.0	70.6	232.2	477.7	762.0	1082.2	1509.1	1995.3	2573.0
10°	0.0	8.3	13.3	76.1	249.6	509.4	803.7	1133.7	1567.2	2061.5	2693.3
7.5°	0.0	8.4	13.6	81.5	266.1	539.0	842.0	1180.6	1616.5	2112.7	2763.5
5°	0.0	8.5	14.0	86.7	281.4	566.3	876.9	1222.9	1657.7	2154.1	2820.6
2.5°	0.0	8.6	14.2	91.5	295.4	591.1	908.1	1260.4	1691.2	2185.9	2864.2
0°	0.0	8.7	14.5	95.9	308.0	613.1	935.7	1293.1	1717.4	2208.4	2894.2
-2.5°	0.0	9.2	16.8	102.2	319.7	627.1	949.4	1312.1	1726.8	2236.9	2913.8
-5°	0.0	9.7	19.0	107.9	329.7	638.1	959.4	1326.1	1730.0	2255.4	2920.0
-7.5°	0.0	10.1	21.2	113.0	337.8	646.1	965.8	1334.8	1727.6	2263.0	2913.5
-10°	0.0	10.6	23.3	117.5	344.0	651.2	968.7	1338.1	1720.2	2258.6	2895.0
-12.5°	0.0	11.0	25.3	121.2	348.1	653.2	968.2	1335.9	1708.3	2240.3	2863.2
-15°	0.0	11.3	27.2	124.2	350.1	652.3	964.3	1328.0	1694.8	2204.8	2817.1
-17.5°	0.0	11.6	28.9	126.4	349.9	648.4	957.3	1312.0	1678.3	2160.4	2757.1
-20°	0.0	11.9	30.5	127.7	347.3	641.5	946.4	1289.2	1654.9	2107.5	2683.2

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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	12.2	32.0	128.1	342.4	631.7	930.5	1261.7	1624.3	2046.5	2595.3
-25°	0.0	12.3	33.3	127.5	335.1	616.5	911.1	1229.8	1586.6	1977.8	2493.6
-27.5°	0.0	12.5	34.3	125.9	325.4	597.6	887.9	1193.6	1541.6	1911.3	2403.5
-30°	0.0	12.6	35.2	123.3	313.2	576.1	861.1	1153.3	1492.4	1855.1	2307.2
-32.5°	0.0	12.6	35.9	119.7	299.0	552.0	830.8	1115.9	1440.2	1790.2	2204.3
-35°	0.0	12.6	36.4	115.0	283.1	525.4	797.9	1076.6	1383.8	1716.5	2095.1
-37.5°	0.0	12.5	36.7	109.2	265.7	498.6	762.6	1033.1	1323.4	1634.2	1987.2
-40°	0.0	12.4	36.7	102.4	246.7	474.4	724.6	985.6	1259.1	1556.5	1880.7
-42.5°	0.0	12.2	36.5	95.1	232.3	448.5	683.9	934.0	1197.0	1474.4	1766.1
-45°	0.0	12.0	36.1	87.6	222.4	420.9	640.7	880.7	1133.4	1386.8	1647.3
-47.5°	0.0	11.7	35.4	79.1	210.8	391.7	595.0	827.4	1065.3	1294.9	1544.5
-50°	0.0	11.3	34.5	76.3	197.5	360.9	556.8	771.4	990.0	1210.6	1436.8
-52.5°	0.0	10.9	33.4	74.8	182.4	328.7	518.6	712.9	917.9	1123.7	1326.4
-55°	0.0	10.5	32.1	72.5	165.7	304.4	478.8	653.8	845.7	1034.5	1228.4
-57.5°	0.0	10.0	30.6	69.3	147.5	279.6	437.6	606.8	771.0	949.0	1128.2
-60°	0.0	9.4	28.9	65.4	128.3	252.6	395.8	554.8	696.2	862.7	1028.1
-62.5°	0.0	8.8	27.1	60.8	119.2	223.4	357.6	498.2	627.0	773.9	930.1
-65°	0.0	8.1	25.2	55.4	108.8	192.2	316.7	439.5	553.6	684.8	829.8
-67.5°	0.0	7.4	23.1	49.5	97.2	166.2	273.2	381.3	476.5	591.8	721.4
-70°	0.0	6.7	20.9	42.9	84.6	145.5	227.3	321.7	407.3	494.6	606.0
-72.5°	0.0	6.0	18.6	37.8	71.0	123.1	192.3	260.8	336.9	414.1	492.2
-75°	0.0	5.2	16.1	32.9	56.5	99.5	157.2	210.2	265.2	332.5	400.7
-77.5°	0.0	4.3	13.6	27.7	46.7	74.6	120.4	162.5	206.3	253.6	307.7
-80°	0.0	3.5	11.0	22.4	37.7	56.9	82.2	113.9	147.7	184.4	223.8
-82.5°	0.0	2.6	8.3	16.9	28.5	43.0	60.3	73.1	88.3	114.1	142.0
-85°	0.0	1.8	5.6	11.3	19.1	28.8	40.5	48.9	57.5	66.6	76.0
-87.5°	0.0	0.9	2.8	5.7	9.6	14.5	20.3	24.5	28.8	33.4	38.1
-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-SA6D-740-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°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
85°	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	3.1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	3.4	3.7	3.7	3.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	4.5	4.7	4.1	3.4	2.9	3.1	3.3	3.2	2.9	2.9	2.9
67.5°	5.6	4.9	4.2	4.0	4.0	4.4	4.3	3.6	2.9	2.9	3.0
65°	5.7	5.0	7.3	8.2	6.1	5.1	4.4	3.7	4.0	4.2	4.2
62.5°	8.6	10.9	13.9	24.6	18.4	5.3	9.6	11.3	8.3	6.9	7.3
60°	28.4	19.3	57.3	82.0	51.2	18.7	22.8	75.9	65.8	12.1	41.1
57.5°	59.7	81.9	150.8	153.5	106.2	73.3	213.2	246.2	186.3	108.7	166.3
55°	131.4	201.9	250.1	231.5	252.8	382.9	455.0	408.7	344.1	529.2	676.1
52.5°	256.7	328.6	344.9	396.1	566.9	651.4	624.1	667.5	865.6	1074.9	1120.4
50°	378.9	437.7	483.6	699.2	832.9	841.4	903.5	1099.7	1364.0	1492.1	1461.1
47.5°	497.0	558.0	771.6	978.8	1038.9	1121.1	1276.3	1655.1	1935.0	1940.5	1908.8
45°	622.0	784.8	1057.4	1192.6	1290.0	1449.1	1823.9	2346.5	2373.6	2449.5	2916.5
42.5°	755.6	1040.8	1278.7	1419.3	1576.7	1873.6	2373.8	2716.7	2834.6	3166.9	3542.5
40°	972.0	1288.2	1496.1	1675.7	1878.1	2311.3	2859.2	3180.4	3276.3	3563.9	3846.3
37.5°	1191.6	1494.8	1727.7	1944.5	2225.0	2809.7	3443.6	3708.5	3756.9	3809.6	4435.2
35°	1403.1	1706.7	1985.5	2269.1	2613.1	3454.9	4008.9	4258.0	4250.3	4605.4	5260.5
32.5°	1600.8	1923.2	2252.3	2631.6	3199.2	4061.6	4615.9	4765.0	4991.2	5508.0	6402.0
30°	1798.3	2164.8	2542.6	2994.6	3713.6	4461.1	5093.8	5333.7	5721.3	6311.1	6961.8
27.5°	2001.7	2412.5	2869.4	3399.0	4119.5	4806.7	5347.1	5920.4	6296.9	6825.5	7288.4
25°	2204.2	2674.7	3192.0	3752.5	4409.7	5050.1	5609.1	6271.1	6675.5	7101.6	7533.5
22.5°	2416.6	2940.5	3524.8	4032.6	4654.3	5257.1	5922.5	6640.6	7166.4	7437.2	7727.2
20°	2638.6	3228.1	3851.4	4413.9	4895.8	5449.4	6237.2	7109.7	7788.4	8093.2	8133.0
17.5°	2857.4	3506.8	4176.9	4786.0	5305.7	5798.4	6567.6	7671.7	8515.7	8799.0	8925.0
15°	3070.8	3774.9	4500.7	5148.0	5718.6	6321.0	7142.4	8265.3	9230.1	9543.6	9741.9
12.5°	3276.8	4030.5	4819.2	5498.1	6131.8	6807.5	7664.4	8692.3	9573.0	10179.3	10543.1
10°	3473.1	4271.9	5128.3	5834.1	6540.2	7258.7	8096.4	9010.4	9727.3	10312.2	10828.5
7.5°	3572.1	4429.6	5393.9	6153.9	6938.4	7675.7	8450.0	9234.6	9838.5	10412.1	10911.4
5°	3639.5	4494.4	5476.9	6265.3	7150.0	7953.9	8705.7	9382.0	9911.1	10479.6	10967.3
2.5°	3687.5	4536.4	5533.1	6326.3	7229.5	8039.4	8779.4	9431.2	9971.0	10527.9	11027.3
0°	3716.6	4556.4	5561.8	6363.8	7279.2	8095.7	8822.2	9449.8	10010.7	10551.1	11088.7
-2.5°	3733.0	4617.4	5580.9	6460.2	7327.2	8144.2	8882.1	9494.7	10080.8	10595.0	11134.0
-5°	3731.0	4653.7	5575.9	6525.0	7350.2	8163.1	8912.0	9515.1	10118.8	10628.0	11152.4
-7.5°	3710.7	4662.1	5550.7	6545.4	7351.2	8156.7	8898.8	9524.8	10118.2	10658.2	11154.2
-10°	3674.6	4629.2	5527.5	6492.8	7323.0	8123.7	8858.7	9503.4	10094.6	10652.1	11144.5
-12.5°	3632.0	4561.3	5479.0	6417.2	7265.6	8061.9	8797.7	9449.0	10050.4	10606.5	11122.3
-15°	3568.1	4470.9	5399.4	6321.2	7178.5	7972.0	8718.5	9360.2	9982.2	10526.9	11056.3
-17.5°	3482.2	4358.9	5287.4	6207.2	7061.0	7854.7	8616.9	9242.9	9862.0	10424.7	10935.8
-20°	3373.9	4226.2	5141.9	6077.7	6911.8	7697.2	8435.6	9091.2	9706.2	10278.6	10815.7



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 CATALOG NUMBER: GFLD-SA6D-740-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°	3243.1	4073.7	4966.7	5902.9	6725.7	7502.2	8231.8	8897.9	9535.2	10088.8	10661.0
-25°	3112.0	3912.5	4773.0	5660.9	6509.5	7282.7	8014.5	8663.4	9314.7	9890.6	10434.2
-27.5°	2986.5	3725.4	4548.2	5394.5	6264.5	7034.0	7759.2	8408.6	9041.0	9670.6	10193.9
-30°	2845.6	3509.0	4301.7	5110.1	5958.2	6741.7	7472.3	8146.2	8747.9	9369.6	9931.6
-32.5°	2690.1	3279.5	4041.4	4819.1	5618.8	6419.6	7143.4	7812.8	8438.8	9026.9	9616.7
-35°	2538.1	3094.1	3765.6	4506.6	5259.2	6044.8	6769.1	7432.1	8081.8	8664.3	9227.9
-37.5°	2401.3	2893.4	3472.4	4180.3	4899.5	5642.5	6379.2	7021.0	7639.3	8279.7	8829.3
-40°	2253.3	2677.9	3218.6	3844.2	4522.1	5228.7	5934.1	6597.9	7179.2	7812.1	8416.6
-42.5°	2098.4	2502.4	2968.1	3488.4	4128.3	4794.5	5475.4	6124.9	6728.4	7325.5	7924.5
-45°	1962.7	2316.5	2713.2	3188.7	3709.7	4336.3	4981.0	5628.3	6207.4	6776.4	7368.1
-47.5°	1818.4	2129.7	2496.6	2876.4	3329.2	3853.1	4459.3	5056.4	5649.2	6190.6	6714.2
-50°	1674.6	1961.6	2263.0	2604.9	2978.6	3403.3	3906.9	4461.9	5003.4	5559.2	6077.8
-52.5°	1550.7	1784.8	2057.1	2342.4	2662.4	3013.8	3417.2	3873.1	4365.6	4837.3	5354.6
-55°	1422.1	1633.2	1853.0	2104.2	2370.4	2666.9	2997.7	3380.9	3756.7	4192.9	4615.3
-57.5°	1304.9	1482.9	1670.3	1877.8	2109.0	2346.3	2635.4	2933.5	3274.5	3613.6	3948.0
-60°	1194.4	1339.8	1498.8	1674.5	1860.4	2071.5	2287.3	2543.3	2818.0	3088.6	3372.3
-62.5°	1082.9	1205.3	1334.9	1480.8	1642.8	1802.5	1986.7	2183.9	2386.0	2615.4	2839.2
-65°	968.4	1067.3	1177.2	1298.2	1427.5	1563.4	1704.9	1851.0	2022.9	2191.0	2353.7
-67.5°	846.8	931.3	1020.3	1115.5	1224.0	1330.8	1437.3	1560.6	1687.2	1811.7	1940.6
-70°	711.8	791.7	865.8	943.0	1023.6	1107.2	1198.3	1288.8	1378.0	1471.3	1574.8
-72.5°	574.7	648.1	713.3	770.4	836.6	906.1	972.6	1036.1	1103.4	1174.2	1244.3
-75°	458.3	506.8	565.1	618.3	671.0	719.9	763.8	817.6	873.8	925.3	967.6
-77.5°	357.8	401.8	441.6	477.3	519.3	568.3	611.1	647.8	683.4	722.4	763.6
-80°	260.3	296.8	333.1	366.1	390.3	418.0	450.8	488.3	520.8	547.2	571.3
-82.5°	168.1	194.5	221.5	248.9	260.1	267.8	274.9	288.0	308.1	328.0	347.0
-85°	83.8	91.4	107.9	124.8	130.6	134.7	137.5	139.1	145.9	152.2	157.7
-87.5°	41.9	45.8	49.6	53.3	51.3	48.6	45.2	41.1	40.2	39.0	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



REPORT NUMBER: P645579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-740-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°	2.4	2.4	2.5	2.6	2.6	2.0	1.4	0.7	0.0	0.0	0.0
85°	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.7	2.7	2.1	1.4
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
67.5°	3.1	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.6	1.9
65°	4.1	4.0	4.2	4.0	3.6	3.4	3.6	3.5	3.2	2.5	1.7
62.5°	7.3	8.2	6.5	6.4	6.3	6.1	5.8	5.5	5.2	4.9	5.1
60°	45.6	26.9	15.7	18.4	16.5	11.0	14.0	16.4	16.6	15.1	13.3
57.5°	252.6	188.6	139.7	333.4	334.5	159.7	192.3	302.3	249.0	81.7	75.9
55°	702.6	840.4	1106.1	1050.6	1067.7	1228.0	1340.9	1187.1	1163.7	1240.1	1432.5
52.5°	1262.3	1393.7	1483.0	1566.6	1668.4	1777.7	1890.4	1962.1	2029.1	2100.5	2143.0
50°	1612.0	1797.0	1924.1	1877.4	2140.7	2248.4	2139.1	2236.8	2356.1	2388.8	2404.2
47.5°	2380.3	2651.7	2705.5	2880.4	3037.5	3034.1	2900.7	2908.5	3263.5	3576.6	3730.4
45°	3420.8	3430.1	3600.7	3909.4	4130.0	4060.6	4246.9	4670.3	4811.2	4947.5	5059.2
42.5°	3826.2	3994.2	4266.5	4539.5	4704.0	4846.7	4984.6	5140.2	5323.2	5471.6	5590.2
40°	4218.7	4354.1	4632.9	4852.8	4989.0	5122.3	5282.9	5455.3	5622.8	5753.2	5842.2
37.5°	4822.8	4927.8	4995.7	5199.7	5457.5	5338.5	5643.4	5862.0	5961.9	6094.3	6106.2
35°	5736.8	5667.0	5576.6	6389.0	6437.6	6163.3	6448.3	6787.2	6608.6	6980.6	7180.6
32.5°	6547.1	6536.6	7245.7	7672.9	7427.1	7627.7	8284.9	8255.8	8693.9	8897.2	8839.2
30°	7310.4	7570.9	7981.0	8299.1	8341.7	8657.9	8949.8	9205.5	9470.0	9707.0	9723.3
27.5°	7698.0	8037.9	8316.3	8500.3	8705.7	8971.8	9236.7	9524.7	9749.6	9898.2	9934.5
25°	7932.4	8279.6	8490.4	8688.5	8915.3	9144.9	9441.5	9755.1	9935.7	10027.4	10056.7
22.5°	8139.1	8451.1	8677.7	8838.5	9082.5	9329.5	9606.0	9871.5	10067.8	10107.8	10122.4
20°	8338.0	8637.8	9016.3	9253.0	9241.2	9519.5	9785.9	9997.0	10160.6	10159.7	10163.6
17.5°	8913.6	9020.5	9707.4	10228.8	9970.7	9834.5	10567.2	10581.0	10624.5	10538.0	10350.6
15°	9765.6	9960.4	10804.3	11369.5	11191.5	11182.2	12240.5	11978.1	12203.9	12144.8	12399.0
12.5°	10668.2	10898.9	11529.5	12084.5	12349.0	12414.0	12767.5	13098.7	13166.8	13140.0	13090.0
10°	11283.1	11611.7	11865.0	12201.9	12468.7	12740.8	12945.6	13183.4	13261.3	13216.3	13152.6
7.5°	11363.2	11688.0	11985.3	12281.0	12535.0	12754.3	12966.7	13160.4	13239.7	13213.5	13169.7
5°	11414.1	11708.3	11996.6	12296.5	12539.4	12742.5	12954.3	13150.5	13197.3	13165.8	13123.2
2.5°	11445.5	11717.8	11995.6	12294.3	12514.9	12708.4	12922.7	13132.0	13131.6	13117.9	13093.0
0°	11460.7	11733.8	12056.4	12326.6	12573.6	12756.7	12968.8	13172.2	13157.7	13119.9	13076.3
-2.5°	11493.3	11770.1	12099.3	12323.2	12601.7	12769.4	12988.6	13164.8	13158.0	13139.4	13117.8
-5°	11522.4	11833.7	12141.7	12377.2	12656.3	12875.6	13093.5	13231.3	13238.6	13212.7	13176.4
-7.5°	11540.2	11885.2	12179.0	12415.6	12686.3	12941.3	13162.3	13306.9	13310.1	13275.7	13232.2
-10°	11534.3	11898.6	12200.9	12445.4	12722.7	12974.4	13205.5	13388.9	13382.9	13350.2	13313.1
-12.5°	11512.5	11876.3	12186.9	12432.1	12746.9	13006.1	13266.1	13448.4	13458.1	13433.5	13393.4
-15°	11464.6	11840.3	12142.3	12410.1	12718.7	13021.7	13288.8	13489.9	13525.8	13505.7	13474.0
-17.5°	11370.0	11766.4	12086.7	12375.3	12671.4	12994.4	13298.2	13518.1	13567.1	13559.2	13532.9
-20°	11245.7	11654.8	11980.0	12282.3	12604.6	12937.3	13290.8	13491.8	13563.0	13567.5	13549.7

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645579 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6D-740-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°	11106.1	11506.6	11851.6	12148.8	12498.3	12835.1	13155.2	13390.6	13510.2	13532.4	13533.9
-25°	10938.7	11350.3	11693.1	12009.6	12334.6	12682.5	13005.9	13268.7	13389.9	13447.9	13465.8
-27.5°	10702.2	11127.6	11465.0	11799.5	12130.1	12489.5	12829.5	13115.2	13213.8	13293.4	13325.3
-30°	10425.3	10845.9	11189.8	11495.7	11874.0	12240.2	12591.2	12840.5	12989.1	13080.2	13130.0
-32.5°	10106.8	10531.4	10892.3	11211.7	11571.3	11937.5	12267.7	12530.6	12735.6	12840.7	12893.9
-35°	9761.4	10194.8	10572.7	10909.2	11247.7	11596.9	11938.9	12214.0	12447.5	12537.8	12604.5
-37.5°	9344.7	9822.9	10210.4	10557.4	10879.1	11207.3	11563.5	11877.9	12104.8	12192.4	12262.6
-40°	8917.5	9379.7	9770.5	10140.6	10458.6	10817.0	11160.1	11489.7	11686.5	11788.7	11868.3
-42.5°	8466.5	8884.0	9255.7	9615.2	9969.3	10338.2	10681.1	11023.7	11193.9	11317.0	11414.6
-45°	7945.9	8334.4	8695.6	9032.0	9397.0	9759.7	10102.8	10405.6	10608.1	10768.3	10893.0
-47.5°	7251.8	7725.1	8087.7	8407.8	8769.6	9119.6	9452.0	9736.7	9958.8	10146.3	10291.1
-50°	6546.8	7001.1	7410.1	7769.6	8105.4	8428.9	8745.5	9023.9	9259.0	9462.2	9608.9
-52.5°	5852.6	6278.2	6684.0	7055.2	7377.9	7683.4	7973.0	8253.1	8501.0	8718.3	8860.2
-55°	5068.2	5509.1	5910.6	6256.6	6579.1	6881.0	7166.9	7432.6	7676.7	7897.9	8033.9
-57.5°	4332.4	4719.1	5092.6	5412.1	5716.5	6004.0	6275.1	6529.4	6764.3	6972.5	7103.6
-60°	3655.9	3937.9	4259.3	4554.3	4824.1	5068.9	5321.8	5558.9	5774.7	5957.7	6079.9
-62.5°	3058.1	3291.7	3523.8	3748.1	3966.9	4186.9	4398.6	4595.3	4775.6	4925.5	5032.6
-65°	2525.3	2713.1	2881.0	3040.0	3191.5	3365.0	3526.0	3677.4	3817.5	3932.5	4014.1
-67.5°	2079.4	2211.4	2327.4	2436.5	2556.1	2678.6	2793.5	2893.6	2979.2	3047.3	3101.1
-70°	1676.9	1774.0	1861.5	1948.5	2035.7	2115.4	2191.5	2265.1	2335.1	2392.1	2434.8
-72.5°	1313.3	1379.6	1439.2	1506.2	1568.9	1629.4	1682.0	1724.5	1757.5	1789.6	1817.6
-75°	1001.2	1051.1	1118.3	1175.0	1221.9	1263.4	1301.4	1335.3	1365.1	1391.5	1414.7
-77.5°	805.3	847.6	890.4	931.8	971.9	1001.6	1029.3	1056.9	1084.1	1107.5	1128.1
-80°	596.9	628.4	661.4	694.6	727.8	744.2	757.4	769.5	780.3	794.3	807.3
-82.5°	364.9	382.8	401.2	419.8	438.4	443.0	444.6	444.2	441.8	436.7	429.0
-85°	162.4	163.4	162.9	161.0	157.9	151.5	143.6	134.5	124.3	122.7	120.8
-87.5°	35.7	35.0	34.0	32.9	31.6	31.6	31.4	31.2	30.9	31.9	32.9
-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: P645579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-740-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	0.7
85°	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.1	2.7	2.7
82.5°	2.8	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	2.9	2.9	1.5	0.0	1.5	2.9	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	1.5	0.0	1.5	2.9	2.9	2.9	2.9	2.9	2.9
67.5°	1.1	0.2	0.0	0.0	0.0	0.2	1.1	1.9	2.6	2.9	2.9
65°	0.9	0.1	0.0	0.0	0.0	0.1	0.9	1.7	2.5	3.2	3.5
62.5°	5.3	5.5	5.7	5.8	5.7	5.5	5.3	5.1	4.9	5.2	5.5
60°	10.5	6.9	5.8	5.8	5.8	6.9	10.5	13.3	15.1	16.6	16.4
57.5°	64.2	47.9	40.7	37.8	40.7	47.9	64.2	75.9	81.7	249.0	302.3
55°	1570.4	1650.3	1710.1	1737.7	1710.1	1650.3	1570.4	1432.5	1240.1	1163.7	1187.1
52.5°	2180.4	2215.2	2235.2	2234.6	2235.2	2215.2	2180.4	2143.0	2100.5	2029.1	1962.1
50°	2430.4	2447.3	2453.3	2449.6	2453.3	2447.3	2430.4	2404.2	2388.8	2356.1	2236.8
47.5°	3589.9	3279.2	3050.8	2995.9	3050.8	3279.2	3589.9	3730.4	3576.6	3263.5	2908.5
45°	5112.8	5230.7	5348.0	5384.5	5348.0	5230.7	5112.8	5059.2	4947.5	4811.2	4670.3
42.5°	5640.3	5678.7	5700.4	5701.3	5700.4	5678.7	5640.3	5590.2	5471.6	5323.2	5140.2
40°	5892.0	5928.2	5949.3	5951.2	5949.3	5928.2	5892.0	5842.2	5753.2	5622.8	5455.3
37.5°	6120.6	6151.4	6171.7	6192.4	6171.7	6151.4	6120.6	6106.2	6094.3	5961.9	5862.0
35°	7153.7	6919.7	6583.1	6634.1	6583.1	6919.7	7153.7	7180.6	6980.6	6608.6	6787.2
32.5°	8929.8	9028.2	9089.5	9194.1	9089.5	9028.2	8929.8	8839.2	8897.2	8693.9	8255.8
30°	9749.3	9781.8	9831.0	9882.8	9831.0	9781.8	9749.3	9723.3	9707.0	9470.0	9205.5
27.5°	9953.7	9987.4	10017.4	10039.7	10017.4	9987.4	9953.7	9934.5	9898.2	9749.6	9524.7
25°	10060.8	10081.7	10113.5	10141.4	10113.5	10081.7	10060.8	10056.7	10027.4	9935.7	9755.1
22.5°	10114.0	10116.1	10141.0	10176.3	10141.0	10116.1	10114.0	10122.4	10107.8	10067.8	9871.5
20°	10150.4	10130.7	10156.4	10179.2	10156.4	10130.7	10150.4	10163.6	10159.7	10160.6	9997.0
17.5°	10615.0	10350.0	10241.1	10243.1	10241.1	10350.0	10615.0	10350.6	10538.0	10624.5	10581.0
15°	12113.7	12213.2	12594.4	12800.3	12594.4	12213.2	12113.7	12399.0	12144.8	12203.9	11978.1
12.5°	13080.8	13045.4	13000.1	13061.8	13000.1	13045.4	13080.8	13090.0	13140.0	13166.8	13098.7
10°	13125.5	13121.5	13040.9	13128.6	13040.9	13121.5	13125.5	13152.6	13216.3	13261.3	13183.4
7.5°	13098.1	13100.5	13066.2	13151.9	13066.2	13100.5	13098.1	13169.7	13213.5	13239.7	13160.4
5°	13116.2	13057.2	13079.6	13128.6	13079.6	13057.2	13116.2	13123.2	13165.8	13197.3	13150.5
2.5°	13065.5	13059.4	13015.8	13050.2	13015.8	13059.4	13065.5	13093.0	13117.9	13131.6	13132.0
0°	13026.9	12995.0	12995.0	13024.0	12995.0	12995.0	13026.9	13076.3	13119.9	13157.7	13172.2
-2.5°	13095.6	13088.9	13084.7	13064.7	13084.7	13088.9	13095.6	13117.8	13139.4	13158.0	13164.8
-5°	13152.1	13134.9	13087.3	13151.9	13087.3	13134.9	13152.1	13176.4	13212.7	13238.6	13231.3
-7.5°	13212.9	13168.8	13123.6	13224.5	13123.6	13168.8	13212.9	13232.2	13275.7	13310.1	13306.9
-10°	13268.4	13204.6	13160.7	13259.4	13160.7	13204.6	13268.4	13313.1	13350.2	13382.9	13388.9
-12.5°	13341.8	13267.2	13237.8	13291.4	13237.8	13267.2	13341.8	13393.4	13433.5	13458.1	13448.4
-15°	13420.0	13368.4	13361.5	13393.1	13361.5	13368.4	13420.0	13474.0	13505.7	13525.8	13489.9
-17.5°	13488.7	13452.5	13470.4	13506.4	13470.4	13452.5	13488.7	13532.9	13559.2	13567.1	13518.1
-20°	13521.6	13501.3	13521.4	13611.0	13521.4	13501.3	13521.6	13549.7	13567.5	13563.0	13491.8



REPORT NUMBER: P645579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-740-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°	13518.8	13520.0	13555.6	13584.9	13555.6	13520.0	13518.8	13533.9	13532.4	13510.2	13390.6
-25°	13467.2	13494.4	13535.2	13593.6	13535.2	13494.4	13467.2	13465.8	13447.9	13389.9	13268.7
-27.5°	13342.8	13387.9	13430.6	13491.9	13430.6	13387.9	13342.8	13325.3	13293.4	13213.8	13115.2
-30°	13162.8	13216.6	13254.6	13320.4	13254.6	13216.6	13162.8	13130.0	13080.2	12989.1	12840.5
-32.5°	12944.0	13004.7	13049.7	13096.7	13049.7	13004.7	12944.0	12893.9	12840.7	12735.6	12530.6
-35°	12670.3	12735.8	12783.6	12826.4	12783.6	12735.8	12670.3	12604.5	12537.8	12447.5	12214.0
-37.5°	12341.6	12412.1	12466.6	12515.5	12466.6	12412.1	12341.6	12262.6	12192.4	12104.8	11877.9
-40°	11958.6	12030.9	12089.0	12143.5	12089.0	12030.9	11958.6	11868.3	11788.7	11686.5	11489.7
-42.5°	11510.7	11583.7	11643.8	11699.0	11643.8	11583.7	11510.7	11414.6	11317.0	11193.9	11023.7
-45°	10993.5	11068.7	11132.2	11190.4	11132.2	11068.7	10993.5	10893.0	10768.3	10608.1	10405.6
-47.5°	10397.9	10478.3	10532.6	10559.9	10532.6	10478.3	10397.9	10291.1	10146.3	9958.8	9736.7
-50°	9715.2	9795.6	9860.8	9909.0	9860.8	9795.6	9715.2	9608.9	9462.2	9259.0	9023.9
-52.5°	8963.7	9040.2	9096.3	9130.2	9096.3	9040.2	8963.7	8860.2	8718.3	8501.0	8253.1
-55°	8140.9	8221.0	8274.2	8299.1	8274.2	8221.0	8140.9	8033.9	7897.9	7676.7	7432.6
-57.5°	7207.6	7283.7	7340.2	7372.1	7340.2	7283.7	7207.6	7103.6	6972.5	6764.3	6529.4
-60°	6175.1	6243.2	6286.1	6302.8	6286.1	6243.2	6175.1	6079.9	5957.7	5774.7	5558.9
-62.5°	5118.9	5183.4	5223.6	5239.2	5223.6	5183.4	5118.9	5032.6	4925.5	4775.6	4595.3
-65°	4074.9	4115.3	4137.6	4140.8	4137.6	4115.3	4074.9	4014.1	3932.5	3817.5	3677.4
-67.5°	3143.6	3174.4	3193.0	3199.3	3193.0	3174.4	3143.6	3101.1	3047.3	2979.2	2893.6
-70°	2466.7	2487.9	2499.8	2501.9	2499.8	2487.9	2466.7	2434.8	2392.1	2335.1	2265.1
-72.5°	1839.1	1854.3	1849.0	1836.5	1849.0	1854.3	1839.1	1817.6	1789.6	1757.5	1724.5
-75°	1434.7	1451.4	1444.4	1432.6	1444.4	1451.4	1434.7	1414.7	1391.5	1365.1	1335.3
-77.5°	1146.1	1161.4	1153.9	1142.0	1153.9	1161.4	1146.1	1128.1	1107.5	1084.1	1056.9
-80°	818.5	827.4	833.8	836.9	833.8	827.4	818.5	807.3	794.3	780.3	769.5
-82.5°	418.9	406.6	398.8	389.4	398.8	406.6	418.9	429.0	436.7	441.8	444.2
-85°	118.4	115.6	117.5	119.1	117.5	115.6	118.4	120.8	122.7	124.3	134.5
-87.5°	33.9	34.8	34.9	34.9	34.9	34.8	33.9	32.9	31.9	30.9	31.2
-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: P645579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-740-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°	1.4	2.0	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1
85°	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
70°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.2
67.5°	2.9	2.9	3.0	2.9	2.9	2.9	3.1	3.0	2.9	2.9	3.6
65°	3.6	3.4	3.6	4.0	4.2	4.0	4.1	4.2	4.2	4.0	3.7
62.5°	5.8	6.1	6.3	6.4	6.5	8.2	7.3	7.3	6.9	8.3	11.3
60°	14.0	11.0	16.5	18.4	15.7	26.9	45.6	41.1	12.1	65.8	75.9
57.5°	192.3	159.7	334.5	333.4	139.7	188.6	252.6	166.3	108.7	186.3	246.2
55°	1340.9	1228.0	1067.7	1050.6	1106.1	840.4	702.6	676.1	529.2	344.1	408.7
52.5°	1890.4	1777.7	1668.4	1566.6	1483.0	1393.7	1262.3	1120.4	1074.9	865.6	667.5
50°	2139.1	2248.4	2140.7	1877.4	1924.1	1797.0	1612.0	1461.1	1492.1	1364.0	1099.7
47.5°	2900.7	3034.1	3037.5	2880.4	2705.5	2651.7	2380.3	1908.8	1940.5	1935.0	1655.1
45°	4246.9	4060.6	4130.0	3909.4	3600.7	3430.1	3420.8	2916.5	2449.5	2373.6	2346.5
42.5°	4984.6	4846.7	4704.0	4539.5	4266.5	3994.2	3826.2	3542.5	3166.9	2834.6	2716.7
40°	5282.9	5122.3	4989.0	4852.8	4632.9	4354.1	4218.7	3846.3	3563.9	3276.3	3180.4
37.5°	5643.4	5338.5	5457.5	5199.7	4995.7	4927.8	4822.8	4435.2	3809.6	3756.9	3708.5
35°	6448.3	6163.3	6437.6	6389.0	5576.6	5667.0	5736.8	5260.5	4605.4	4250.3	4258.0
32.5°	8284.9	7627.7	7427.1	7672.9	7245.7	6536.6	6547.1	6402.0	5508.0	4991.2	4765.0
30°	8949.8	8657.9	8341.7	8299.1	7981.0	7570.9	7310.4	6961.8	6311.1	5721.3	5333.7
27.5°	9236.7	8971.8	8705.7	8500.3	8316.3	8037.9	7698.0	7288.4	6825.5	6296.9	5920.4
25°	9441.5	9144.9	8915.3	8688.5	8490.4	8279.6	7932.4	7533.5	7101.6	6675.5	6271.1
22.5°	9606.0	9329.5	9082.5	8838.5	8677.7	8451.1	8139.1	7727.2	7437.2	7166.4	6640.6
20°	9785.9	9519.5	9241.2	9253.0	9016.3	8637.8	8338.0	8133.0	8093.2	7788.4	7109.7
17.5°	10567.2	9834.5	9970.7	10228.8	9707.4	9020.5	8913.6	8925.0	8799.0	8515.7	7671.7
15°	12240.5	11182.2	11191.5	11369.5	10804.3	9960.4	9765.6	9741.9	9543.6	9230.1	8265.3
12.5°	12767.5	12414.0	12349.0	12084.5	11529.5	10898.9	10668.2	10543.1	10179.3	9573.0	8692.3
10°	12945.6	12740.8	12468.7	12201.9	11865.0	11611.7	11283.1	10828.5	10312.2	9727.3	9010.4
7.5°	12966.7	12754.3	12535.0	12281.0	11985.3	11688.0	11363.2	10911.4	10412.1	9838.5	9234.6
5°	12954.3	12742.5	12539.4	12296.5	11996.6	11708.3	11414.1	10967.3	10479.6	9911.1	9382.0
2.5°	12922.7	12708.4	12514.9	12294.3	11995.6	11717.8	11445.5	11027.3	10527.9	9971.0	9431.2
0°	12968.8	12756.7	12573.6	12326.6	12056.4	11733.8	11460.7	11088.7	10551.1	10010.7	9449.8
-2.5°	12988.6	12769.4	12601.7	12323.2	12099.3	11770.1	11493.3	11134.0	10595.0	10080.8	9494.7
-5°	13093.5	12875.6	12656.3	12377.2	12141.7	11833.7	11522.4	11152.4	10628.0	10118.8	9515.1
-7.5°	13162.3	12941.3	12686.3	12415.6	12179.0	11885.2	11540.2	11154.2	10658.2	10118.2	9524.8
-10°	13205.5	12974.4	12722.7	12445.4	12200.9	11898.6	11534.3	11144.5	10652.1	10094.6	9503.4
-12.5°	13266.1	13006.1	12746.9	12432.1	12186.9	11876.3	11512.5	11122.3	10606.5	10050.4	9449.0
-15°	13288.8	13021.7	12718.7	12410.1	12142.3	11840.3	11464.6	11056.3	10526.9	9982.2	9360.2
-17.5°	13298.2	12994.4	12671.4	12375.3	12086.7	11766.4	11370.0	10935.8	10424.7	9862.0	9242.9
-20°	13290.8	12937.3	12604.6	12282.3	11980.0	11654.8	11245.7	10815.7	10278.6	9706.2	9091.2



REPORT NUMBER: P645579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-740-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°	13155.2	12835.1	12498.3	12148.8	11851.6	11506.6	11106.1	10661.0	10088.8	9535.2	8897.9
-25°	13005.9	12682.5	12334.6	12009.6	11693.1	11350.3	10938.7	10434.2	9890.6	9314.7	8663.4
-27.5°	12829.5	12489.5	12130.1	11799.5	11465.0	11127.6	10702.2	10193.9	9670.6	9041.0	8408.6
-30°	12591.2	12240.2	11874.0	11495.7	11189.8	10845.9	10425.3	9931.6	9369.6	8747.9	8146.2
-32.5°	12267.7	11937.5	11571.3	11211.7	10892.3	10531.4	10106.8	9616.7	9026.9	8438.8	7812.8
-35°	11938.9	11596.9	11247.7	10909.2	10572.7	10194.8	9761.4	9227.9	8664.3	8081.8	7432.1
-37.5°	11563.5	11207.3	10879.1	10557.4	10210.4	9822.9	9344.7	8829.3	8279.7	7639.3	7021.0
-40°	11160.1	10817.0	10458.6	10140.6	9770.5	9379.7	8917.5	8416.6	7812.1	7179.2	6597.9
-42.5°	10681.1	10338.2	9969.3	9615.2	9255.7	8884.0	8466.5	7924.5	7325.5	6728.4	6124.9
-45°	10102.8	9759.7	9397.0	9032.0	8695.6	8334.4	7945.9	7368.1	6776.4	6207.4	5628.3
-47.5°	9452.0	9119.6	8769.6	8407.8	8087.7	7725.1	7251.8	6714.2	6190.6	5649.2	5056.4
-50°	8745.5	8428.9	8105.4	7769.6	7410.1	7001.1	6546.8	6077.8	5559.2	5003.4	4461.9
-52.5°	7973.0	7683.4	7377.9	7055.2	6684.0	6278.2	5852.6	5354.6	4837.3	4365.6	3873.1
-55°	7166.9	6881.0	6579.1	6256.6	5910.6	5509.1	5068.2	4615.3	4192.9	3756.7	3380.9
-57.5°	6275.1	6004.0	5716.5	5412.1	5092.6	4719.1	4332.4	3948.0	3613.6	3274.5	2933.5
-60°	5321.8	5068.9	4824.1	4554.3	4259.3	3937.9	3655.9	3372.3	3088.6	2818.0	2543.3
-62.5°	4398.6	4186.9	3966.9	3748.1	3523.8	3291.7	3058.1	2839.2	2615.4	2386.0	2183.9
-65°	3526.0	3365.0	3191.5	3040.0	2881.0	2713.1	2525.3	2353.7	2191.0	2022.9	1851.0
-67.5°	2793.5	2678.6	2556.1	2436.5	2327.4	2211.4	2079.4	1940.6	1811.7	1687.2	1560.6
-70°	2191.5	2115.4	2035.7	1948.5	1861.5	1774.0	1676.9	1574.8	1471.3	1378.0	1288.8
-72.5°	1682.0	1629.4	1568.9	1506.2	1439.2	1379.6	1313.3	1244.3	1174.2	1103.4	1036.1
-75°	1301.4	1263.4	1221.9	1175.0	1118.3	1051.1	1001.2	967.6	925.3	873.8	817.6
-77.5°	1029.3	1001.6	971.9	931.8	890.4	847.6	805.3	763.6	722.4	683.4	647.8
-80°	757.4	744.2	727.8	694.6	661.4	628.4	596.9	571.3	547.2	520.8	488.3
-82.5°	444.6	443.0	438.4	419.8	401.2	382.8	364.9	347.0	328.0	308.1	288.0
-85°	143.6	151.5	157.9	161.0	162.9	163.4	162.4	157.7	152.2	145.9	139.1
-87.5°	31.4	31.6	31.6	32.9	34.0	35.0	35.7	37.5	39.0	40.2	41.1
-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: P645579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-740-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°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.4	1.5	1.5
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.7	2.5	2.8	3.0	3.1
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.7	4.4	4.6
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.7	4.4	5.1
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.8	4.5	5.2
75°	2.9	2.9	2.9	3.0	3.1	2.9	2.9	3.1	3.8	4.5	5.2
72.5°	2.9	2.9	2.9	3.3	3.7	3.7	3.4	3.2	3.9	4.6	5.3
70°	3.3	3.1	2.9	3.4	4.1	4.7	4.5	4.6	4.0	4.7	5.4
67.5°	4.3	4.4	4.0	4.0	4.2	4.9	5.6	6.6	6.4	4.8	5.4
65°	4.4	5.1	6.1	8.2	7.3	5.0	5.7	11.4	9.1	7.7	5.5
62.5°	9.6	5.3	18.4	24.6	13.9	10.9	8.6	25.3	15.9	10.7	7.7
60°	22.8	18.7	51.2	82.0	57.3	19.3	28.4	43.9	40.3	13.9	10.9
57.5°	213.2	73.3	106.2	153.5	150.8	81.9	59.7	79.6	68.5	39.5	15.4
55°	455.0	382.9	252.8	231.5	250.1	201.9	131.4	128.9	105.8	73.2	25.0
52.5°	624.1	651.4	566.9	396.1	344.9	328.6	256.7	187.0	166.0	110.0	63.6
50°	903.5	841.4	832.9	699.2	483.6	437.7	378.9	292.1	233.0	157.3	107.6
47.5°	1276.3	1121.1	1038.9	978.8	771.6	558.0	497.0	399.5	306.8	226.7	153.6
45°	1823.9	1449.1	1290.0	1192.6	1057.4	784.8	622.0	503.8	399.9	304.3	201.7
42.5°	2373.8	1873.6	1576.7	1419.3	1278.7	1040.8	755.6	624.0	490.5	383.3	262.8
40°	2859.2	2311.3	1878.1	1675.7	1496.1	1288.2	972.0	752.8	579.4	464.7	332.3
37.5°	3443.6	2809.7	2225.0	1944.5	1727.7	1494.8	1191.6	887.2	686.2	550.0	401.9
35°	4008.9	3454.9	2613.1	2269.1	1985.5	1706.7	1403.1	1046.0	817.4	636.7	471.5
32.5°	4615.9	4061.6	3199.2	2631.6	2252.3	1923.2	1600.8	1239.3	949.4	724.4	540.8
30°	5093.8	4461.1	3713.6	2994.6	2542.6	2164.8	1798.3	1424.6	1081.7	813.0	610.8
27.5°	5347.1	4806.7	4119.5	3399.0	2869.4	2412.5	2001.7	1601.8	1213.8	910.2	683.7
25°	5609.1	5050.1	4409.7	3752.5	3192.0	2674.7	2204.2	1770.7	1358.1	1020.0	755.8
22.5°	5922.5	5257.1	4654.3	4032.6	3524.8	2940.5	2416.6	1941.6	1502.3	1127.6	826.7
20°	6237.2	5449.4	4895.8	4413.9	3851.4	3228.1	2638.6	2108.5	1638.3	1232.4	896.1
17.5°	6567.6	5798.4	5305.7	4786.0	4176.9	3506.8	2857.4	2270.0	1766.0	1333.9	963.6
15°	7142.4	6321.0	5718.6	5148.0	4500.7	3774.9	3070.8	2425.3	1885.0	1431.4	1026.3
12.5°	7664.4	6807.5	6131.8	5498.1	4819.2	4030.5	3276.8	2573.0	1995.3	1509.1	1082.2
10°	8096.4	7258.7	6540.2	5834.1	5128.3	4271.9	3473.1	2693.3	2061.5	1567.2	1133.7
7.5°	8450.0	7675.7	6938.4	6153.9	5393.9	4429.6	3572.1	2763.5	2112.7	1616.5	1180.6
5°	8705.7	7953.9	7150.0	6265.3	5476.9	4494.4	3639.5	2820.6	2154.1	1657.7	1222.9
2.5°	8779.4	8039.4	7229.5	6326.3	5533.1	4536.4	3687.5	2864.2	2185.9	1691.2	1260.4
0°	8822.2	8095.7	7279.2	6363.8	5561.8	4556.4	3716.6	2894.2	2208.4	1717.4	1293.1
-2.5°	8882.1	8144.2	7327.2	6460.2	5580.9	4617.4	3733.0	2913.8	2236.9	1726.8	1312.1
-5°	8912.0	8163.1	7350.2	6525.0	5575.9	4653.7	3731.0	2920.0	2255.4	1730.0	1326.1
-7.5°	8898.8	8156.7	7351.2	6545.4	5550.7	4662.1	3710.7	2913.5	2263.0	1727.6	1334.8
-10°	8858.7	8123.7	7323.0	6492.8	5527.5	4629.2	3674.6	2895.0	2258.6	1720.2	1338.1
-12.5°	8797.7	8061.9	7265.6	6417.2	5479.0	4561.3	3632.0	2863.2	2240.3	1708.3	1335.9
-15°	8718.5	7972.0	7178.5	6321.2	5399.4	4470.9	3568.1	2817.1	2204.8	1694.8	1328.0
-17.5°	8616.9	7854.7	7061.0	6207.2	5287.4	4358.9	3482.2	2757.1	2160.4	1678.3	1312.0
-20°	8435.6	7697.2	6911.8	6077.7	5141.9	4226.2	3373.9	2683.2	2107.5	1654.9	1289.2



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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°	8231.8	7502.2	6725.7	5902.9	4966.7	4073.7	3243.1	2595.3	2046.5	1624.3	1261.7
-25°	8014.5	7282.7	6509.5	5660.9	4773.0	3912.5	3112.0	2493.6	1977.8	1586.6	1229.8
-27.5°	7759.2	7034.0	6264.5	5394.5	4548.2	3725.4	2986.5	2403.5	1911.3	1541.6	1193.6
-30°	7472.3	6741.7	5958.2	5110.1	4301.7	3509.0	2845.6	2307.2	1855.1	1492.4	1153.3
-32.5°	7143.4	6419.6	5618.8	4819.1	4041.4	3279.5	2690.1	2204.3	1790.2	1440.2	1115.9
-35°	6769.1	6044.8	5259.2	4506.6	3765.6	3094.1	2538.1	2095.1	1716.5	1383.8	1076.6
-37.5°	6379.2	5642.5	4899.5	4180.3	3472.4	2893.4	2401.3	1987.2	1634.2	1323.4	1033.1
-40°	5934.1	5228.7	4522.1	3844.2	3218.6	2677.9	2253.3	1880.7	1556.5	1259.1	985.6
-42.5°	5475.4	4794.5	4128.3	3488.4	2968.1	2502.4	2098.4	1766.1	1474.4	1197.0	934.0
-45°	4981.0	4336.3	3709.7	3188.7	2713.2	2316.5	1962.7	1647.3	1386.8	1133.4	880.7
-47.5°	4459.3	3853.1	3329.2	2876.4	2496.6	2129.7	1818.4	1544.5	1294.9	1065.3	827.4
-50°	3906.9	3403.3	2978.6	2604.9	2263.0	1961.6	1674.6	1436.8	1210.6	990.0	771.4
-52.5°	3417.2	3013.8	2662.4	2342.4	2057.1	1784.8	1550.7	1326.4	1123.7	917.9	712.9
-55°	2997.7	2666.9	2370.4	2104.2	1853.0	1633.2	1422.1	1228.4	1034.5	845.7	653.8
-57.5°	2635.4	2346.3	2109.0	1877.8	1670.3	1482.9	1304.9	1128.2	949.0	771.0	606.8
-60°	2287.3	2071.5	1860.4	1674.5	1498.8	1339.8	1194.4	1028.1	862.7	696.2	554.8
-62.5°	1986.7	1802.5	1642.8	1480.8	1334.9	1205.3	1082.9	930.1	773.9	627.0	498.2
-65°	1704.9	1563.4	1427.5	1298.2	1177.2	1067.3	968.4	829.8	684.8	553.6	439.5
-67.5°	1437.3	1330.8	1224.0	1115.5	1020.3	931.3	846.8	721.4	591.8	476.5	381.3
-70°	1198.3	1107.2	1023.6	943.0	865.8	791.7	711.8	606.0	494.6	407.3	321.7
-72.5°	972.6	906.1	836.6	770.4	713.3	648.1	574.7	492.2	414.1	336.9	260.8
-75°	763.8	719.9	671.0	618.3	565.1	506.8	458.3	400.7	332.5	265.2	210.2
-77.5°	611.1	568.3	519.3	477.3	441.6	401.8	357.8	307.7	253.6	206.3	162.5
-80°	450.8	418.0	390.3	366.1	333.1	296.8	260.3	223.8	184.4	147.7	113.9
-82.5°	274.9	267.8	260.1	248.9	221.5	194.5	168.1	142.0	114.1	88.3	73.1
-85°	137.5	134.7	130.6	124.8	107.9	91.4	83.8	76.0	66.6	57.5	48.9
-87.5°	45.2	48.6	51.3	53.3	49.6	45.8	41.9	38.1	33.4	28.8	24.5
-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°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.0	2.5	2.0	1.5	1.0	0.6	0.0
82.5°	4.5	3.8	3.0	2.3	1.5	0.9	0.0
80°	5.8	5.0	4.0	3.0	2.0	1.3	0.0
77.5°	5.8	5.9	5.0	3.8	2.5	1.6	0.0
75°	5.9	6.0	5.8	4.5	3.0	1.9	0.0
72.5°	6.0	6.2	6.1	5.2	3.6	2.2	0.0
70°	6.1	6.5	6.4	5.9	4.1	2.5	0.0
67.5°	6.8	6.7	6.7	6.1	4.6	2.8	0.0
65°	7.8	7.7	7.0	6.4	5.1	3.1	0.0
62.5°	9.1	9.6	7.3	6.7	5.7	3.4	0.0
60°	10.8	11.7	7.6	7.0	6.2	3.7	0.0
57.5°	19.9	14.0	9.9	7.3	6.5	4.0	0.0
55°	31.7	16.5	12.3	7.6	6.8	4.3	0.0
52.5°	45.5	21.2	14.8	8.0	7.2	4.6	0.0
50°	61.3	36.1	17.5	8.3	7.5	4.9	0.0
47.5°	82.4	52.2	20.3	9.1	7.8	5.2	0.0
45°	124.4	69.3	23.2	11.3	8.2	5.4	0.0
42.5°	167.3	87.6	26.2	13.5	8.6	5.7	0.0
40°	211.2	107.0	35.3	16.3	8.9	5.9	0.0
37.5°	256.0	127.4	50.4	19.8	9.3	6.2	0.0
35°	301.4	158.3	65.8	23.7	9.7	6.4	0.0
32.5°	350.7	194.1	81.4	28.0	10.0	6.7	0.0
30°	407.0	229.7	97.1	32.6	10.4	6.9	0.0
27.5°	462.2	264.8	116.5	37.5	10.8	7.1	0.0
25°	516.1	299.3	136.4	42.7	11.2	7.3	0.0
22.5°	568.4	334.6	156.2	48.0	11.6	7.5	0.0
20°	619.0	372.4	175.9	53.6	11.9	7.7	0.0
17.5°	669.0	409.0	195.2	59.2	12.3	7.9	0.0
15°	717.1	444.2	214.0	64.9	12.7	8.0	0.0
12.5°	762.0	477.7	232.2	70.6	13.0	8.2	0.0
10°	803.7	509.4	249.6	76.1	13.3	8.3	0.0
7.5°	842.0	539.0	266.1	81.5	13.6	8.4	0.0
5°	876.9	566.3	281.4	86.7	14.0	8.5	0.0
2.5°	908.1	591.1	295.4	91.5	14.2	8.6	0.0
0°	935.7	613.1	308.0	95.9	14.5	8.7	0.0
-2.5°	949.4	627.1	319.7	102.2	16.8	9.2	0.0
-5°	959.4	638.1	329.7	107.9	19.0	9.7	0.0
-7.5°	965.8	646.1	337.8	113.0	21.2	10.1	0.0
-10°	968.7	651.2	344.0	117.5	23.3	10.6	0.0
-12.5°	968.2	653.2	348.1	121.2	25.3	11.0	0.0
-15°	964.3	652.3	350.1	124.2	27.2	11.3	0.0
-17.5°	957.3	648.4	349.9	126.4	28.9	11.6	0.0
-20°	946.4	641.5	347.3	127.7	30.5	11.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	930.5	631.7	342.4	128.1	32.0	12.2	0.0
-25°	911.1	616.5	335.1	127.5	33.3	12.3	0.0
-27.5°	887.9	597.6	325.4	125.9	34.3	12.5	0.0
-30°	861.1	576.1	313.2	123.3	35.2	12.6	0.0
-32.5°	830.8	552.0	299.0	119.7	35.9	12.6	0.0
-35°	797.9	525.4	283.1	115.0	36.4	12.6	0.0
-37.5°	762.6	498.6	265.7	109.2	36.7	12.5	0.0
-40°	724.6	474.4	246.7	102.4	36.7	12.4	0.0
-42.5°	683.9	448.5	232.3	95.1	36.5	12.2	0.0
-45°	640.7	420.9	222.4	87.6	36.1	12.0	0.0
-47.5°	595.0	391.7	210.8	79.1	35.4	11.7	0.0
-50°	556.8	360.9	197.5	76.3	34.5	11.3	0.0
-52.5°	518.6	328.7	182.4	74.8	33.4	10.9	0.0
-55°	478.8	304.4	165.7	72.5	32.1	10.5	0.0
-57.5°	437.6	279.6	147.5	69.3	30.6	10.0	0.0
-60°	395.8	252.6	128.3	65.4	28.9	9.4	0.0
-62.5°	357.6	223.4	119.2	60.8	27.1	8.8	0.0
-65°	316.7	192.2	108.8	55.4	25.2	8.1	0.0
-67.5°	273.2	166.2	97.2	49.5	23.1	7.4	0.0
-70°	227.3	145.5	84.6	42.9	20.9	6.7	0.0
-72.5°	192.3	123.1	71.0	37.8	18.6	6.0	0.0
-75°	157.2	99.5	56.5	32.9	16.1	5.2	0.0
-77.5°	120.4	74.6	46.7	27.7	13.6	4.3	0.0
-80°	82.2	56.9	37.7	22.4	11.0	3.5	0.0
-82.5°	60.3	43.0	28.5	16.9	8.3	2.6	0.0
-85°	40.5	28.8	19.1	11.3	5.6	1.8	0.0
-87.5°	20.3	14.5	9.6	5.7	2.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)