

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: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3C-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645423 (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-SA3C-740-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

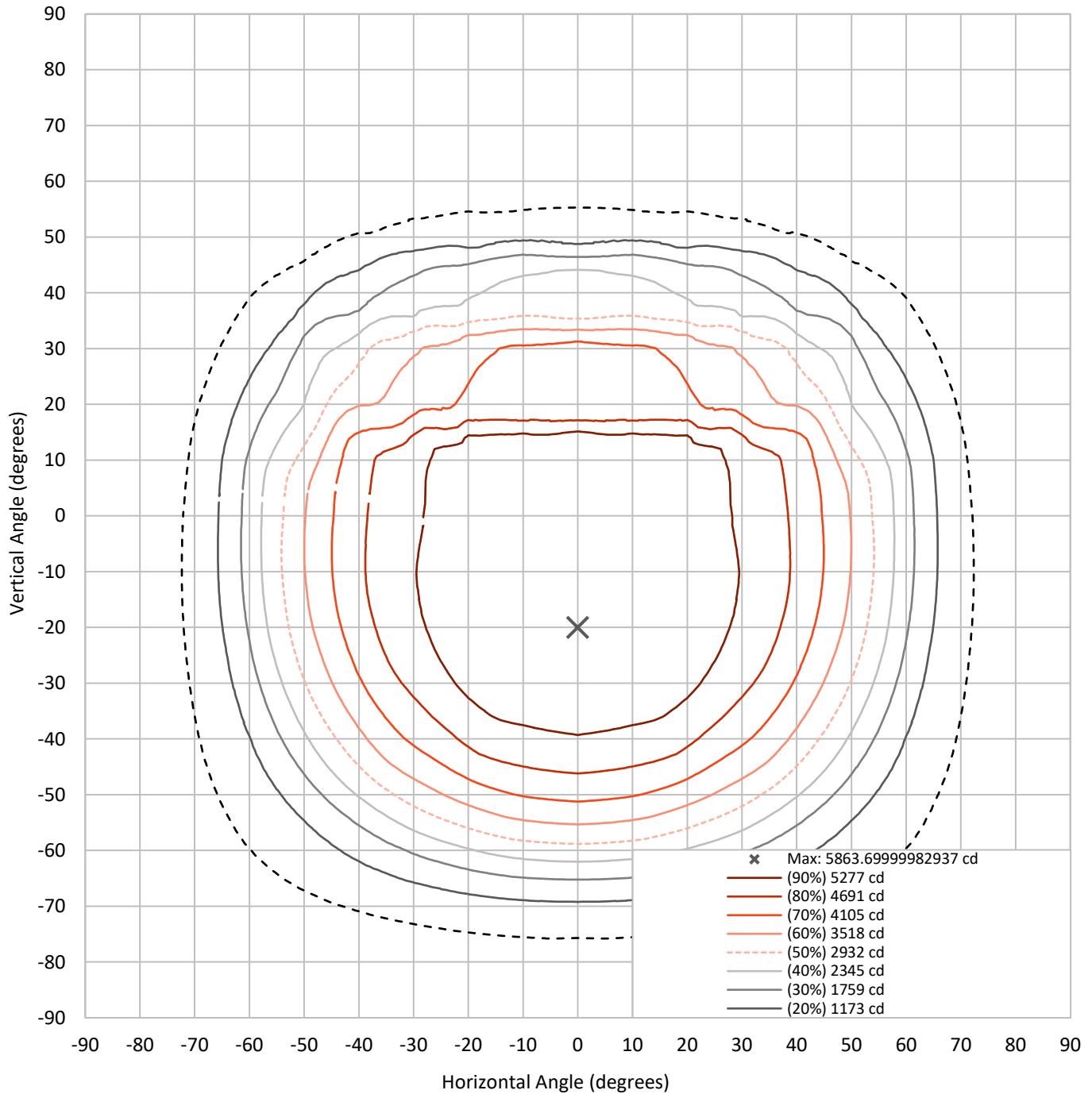
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	13749.3 lumens	Max Intensity:	5863.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	113.0 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:	10748.4 lumens	Field Lumens:	13476.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	121.7		
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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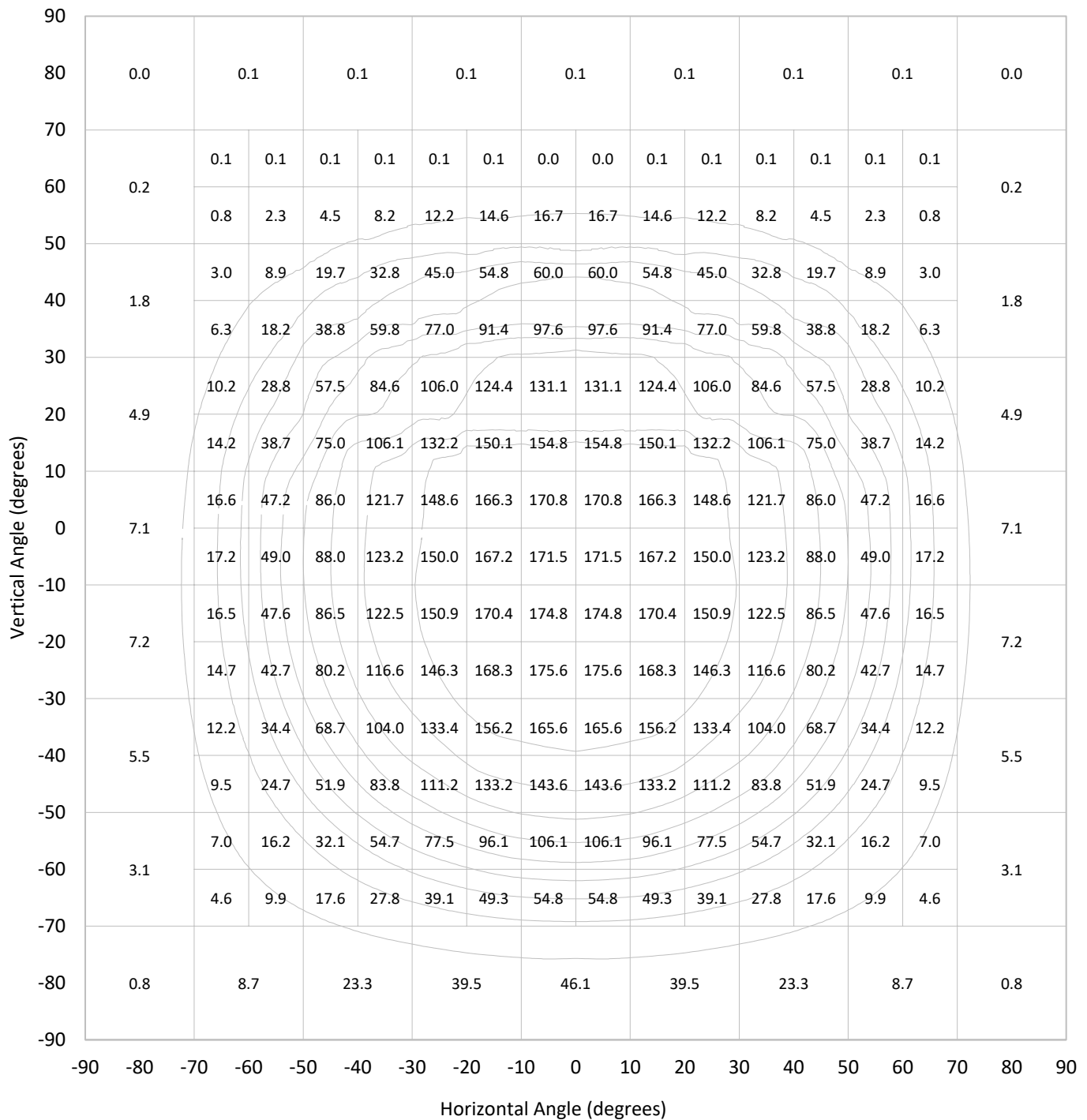
Iso-Candela Plot





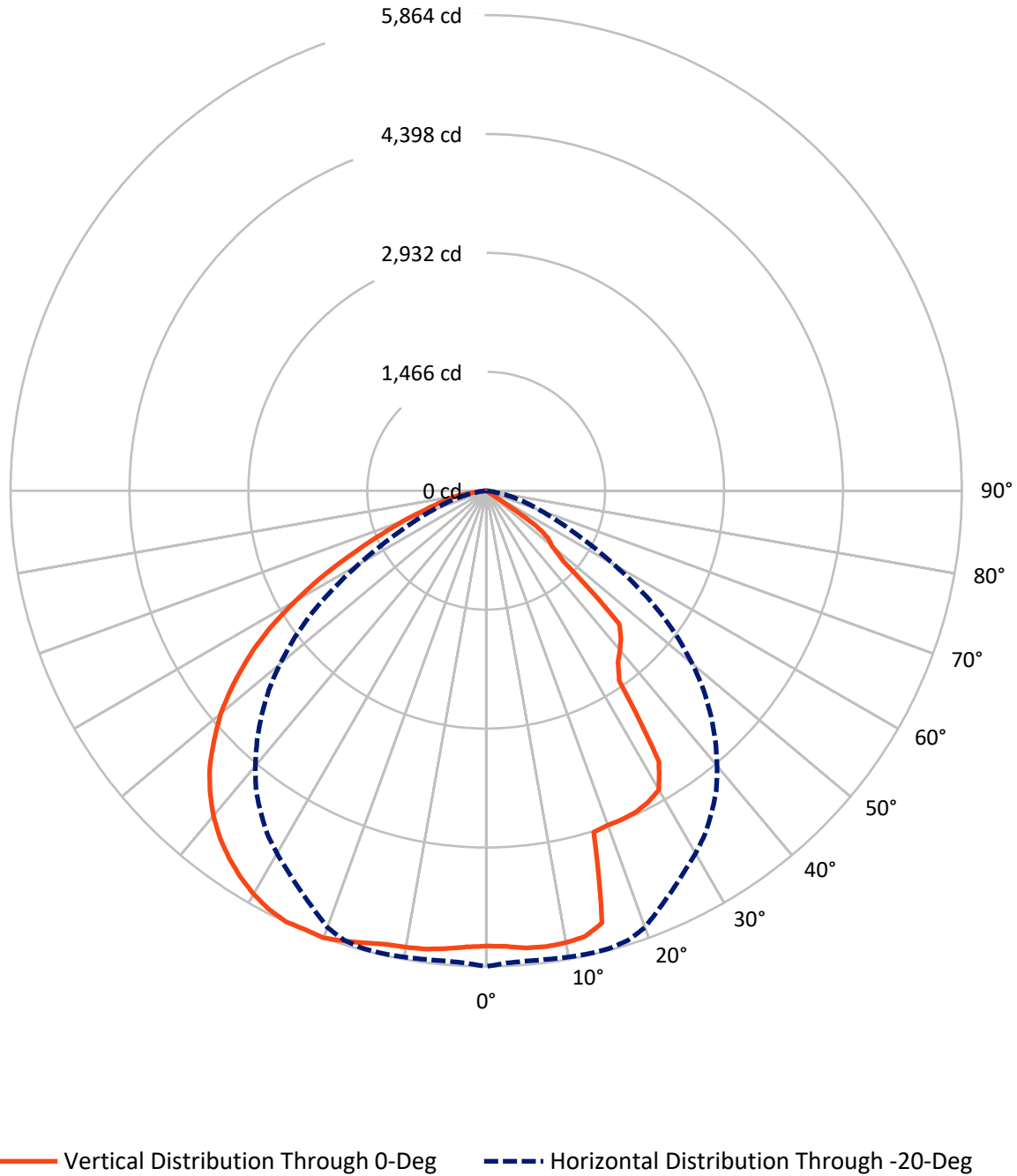
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Lumen Table



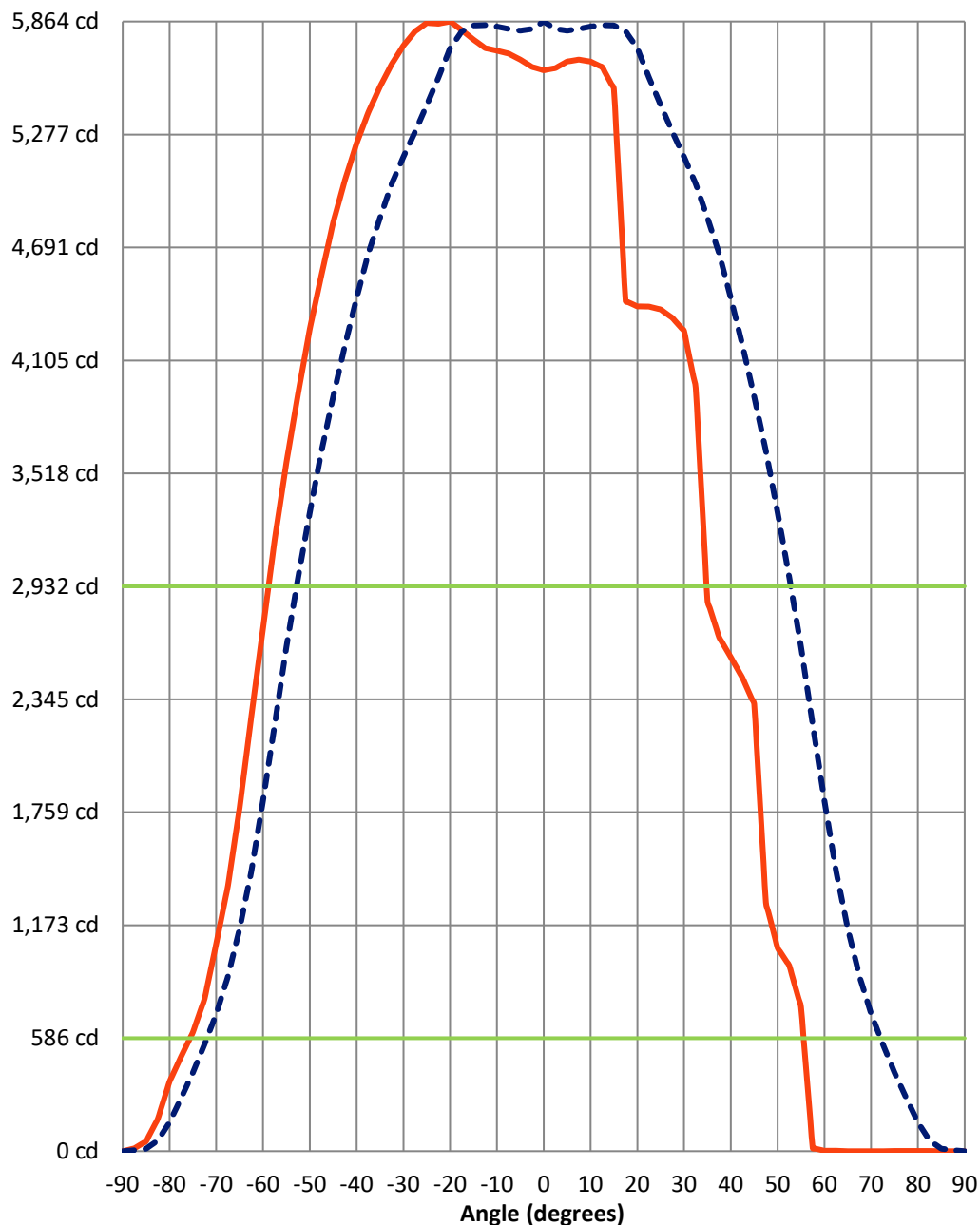
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 10748.4
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 13476.2
 Efficiency: 98.0%

Spill:
 Lumens: 273.1
 Efficiency: 2.0%

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

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Scaled Data Report



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.6
85°	0.0	0.3	0.4	0.7	0.9	1.1	1.3	1.3	1.3	1.2	1.1
82.5°	0.0	0.4	0.7	1.0	1.3	1.6	1.9	2.0	1.9	1.6	1.3
80°	0.0	0.5	0.9	1.3	1.7	2.2	2.5	2.2	1.9	1.6	1.3
77.5°	0.0	0.7	1.1	1.6	2.2	2.5	2.5	2.2	2.0	1.7	1.4
75°	0.0	0.8	1.3	1.9	2.5	2.6	2.5	2.3	2.0	1.7	1.4
72.5°	0.0	1.0	1.5	2.2	2.6	2.7	2.6	2.3	2.0	1.7	1.4
70°	0.0	1.1	1.8	2.5	2.8	2.8	2.6	2.3	2.0	1.8	2.0
67.5°	0.0	1.2	2.0	2.7	2.9	2.9	2.9	2.4	2.1	2.8	2.8
65°	0.0	1.4	2.2	2.8	3.0	3.3	3.4	2.4	3.3	3.9	4.9
62.5°	0.0	1.5	2.4	2.9	3.2	4.1	3.9	3.3	4.6	6.8	10.9
60°	0.0	1.6	2.7	3.0	3.3	5.0	4.6	4.7	6.0	17.4	18.9
57.5°	0.0	1.7	2.8	3.2	4.3	6.0	8.6	6.7	17.0	29.5	34.3
55°	0.0	1.9	3.0	3.3	5.3	7.1	13.7	10.8	31.5	45.5	55.5
52.5°	0.0	2.0	3.1	3.5	6.4	9.1	19.6	27.4	47.4	71.5	80.6
50°	0.0	2.1	3.3	3.6	7.6	15.6	26.4	46.3	67.7	100.3	125.8
47.5°	0.0	2.2	3.4	4.0	8.8	22.5	35.5	66.1	97.6	132.1	172.1
45°	0.0	2.4	3.6	4.9	10.0	29.9	53.6	86.9	131.1	172.2	217.0
42.5°	0.0	2.5	3.7	5.9	11.3	37.7	72.1	113.2	165.1	211.3	268.8
40°	0.0	2.6	3.9	7.1	15.2	46.1	91.0	143.1	200.2	249.6	324.3
37.5°	0.0	2.7	4.0	8.6	21.7	54.9	110.2	173.1	236.9	295.6	382.2
35°	0.0	2.8	4.2	10.2	28.4	68.2	129.8	203.1	274.3	352.1	450.6
32.5°	0.0	2.9	4.4	12.1	35.1	83.6	151.0	233.0	312.1	409.0	533.8
30°	0.0	3.0	4.5	14.1	41.8	98.9	175.3	263.1	350.2	466.0	613.7
27.5°	0.0	3.1	4.7	16.2	50.2	114.0	199.1	294.5	392.2	522.9	690.0
25°	0.0	3.2	4.9	18.4	58.7	128.9	222.3	325.6	439.4	585.0	762.8
22.5°	0.0	3.3	5.0	20.7	67.3	144.1	244.9	356.2	485.8	647.2	836.5
20°	0.0	3.4	5.2	23.1	75.7	160.4	266.7	386.1	531.0	705.8	908.3
17.5°	0.0	3.4	5.3	25.5	84.1	176.2	288.2	415.2	574.7	760.8	978.0
15°	0.0	3.5	5.5	28.0	92.2	191.3	308.9	442.2	616.7	812.1	1044.8
12.5°	0.0	3.6	5.7	30.4	100.0	205.8	328.3	466.3	650.2	859.6	1108.5
10°	0.0	3.6	5.8	32.8	107.5	219.4	346.3	488.4	675.1	888.1	1160.3
7.5°	0.0	3.7	5.9	35.1	114.6	232.2	362.8	508.7	696.4	910.2	1190.6
5°	0.0	3.7	6.1	37.3	121.2	243.9	377.8	526.9	714.2	928.0	1215.2
2.5°	0.0	3.8	6.2	39.4	127.3	254.6	391.2	543.0	728.6	941.7	1234.0
0°	0.0	3.8	6.3	41.3	132.7	264.1	403.1	557.1	739.9	951.4	1246.9
-2.5°	0.0	4.0	7.3	44.0	137.7	270.1	409.0	565.3	743.9	963.7	1255.3
-5°	0.0	4.2	8.2	46.5	142.0	274.9	413.3	571.3	745.3	971.7	1258.0
-7.5°	0.0	4.4	9.2	48.7	145.5	278.3	416.1	575.0	744.3	974.9	1255.2
-10°	0.0	4.6	10.1	50.6	148.2	280.5	417.3	576.5	741.1	973.0	1247.2
-12.5°	0.0	4.8	10.9	52.2	150.0	281.4	417.1	575.5	736.0	965.2	1233.5
-15°	0.0	4.9	11.7	53.5	150.8	281.0	415.5	572.1	730.1	949.9	1213.7
-17.5°	0.0	5.1	12.5	54.5	150.7	279.3	412.4	565.2	723.0	930.7	1187.8
-20°	0.0	5.2	13.2	55.0	149.6	276.3	407.7	555.4	712.9	907.9	1155.9



REPORT NUMBER: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-740-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	5.3	13.8	55.2	147.5	272.1	400.9	543.6	699.8	881.7	1118.1
-25°	0.0	5.4	14.4	54.9	144.4	265.6	392.5	529.8	683.5	852.1	1074.2
-27.5°	0.0	5.4	14.8	54.3	140.2	257.4	382.5	514.2	664.1	823.4	1035.4
-30°	0.0	5.5	15.2	53.1	134.9	248.1	371.0	496.8	642.9	799.2	994.0
-32.5°	0.0	5.5	15.5	51.6	128.8	237.8	357.9	480.7	620.4	771.2	949.6
-35°	0.0	5.5	15.7	49.6	122.0	226.3	343.7	463.8	596.1	739.5	902.6
-37.5°	0.0	5.4	15.8	47.1	114.5	214.8	328.5	445.1	570.1	704.0	856.1
-40°	0.0	5.4	15.8	44.2	106.3	204.4	312.1	424.6	542.4	670.5	810.2
-42.5°	0.0	5.3	15.8	41.0	100.1	193.2	294.6	402.4	515.6	635.1	760.8
-45°	0.0	5.2	15.6	37.8	95.8	181.3	276.0	379.4	488.3	597.4	709.6
-47.5°	0.0	5.1	15.3	34.1	90.8	168.7	256.3	356.5	458.9	557.8	665.3
-50°	0.0	4.9	14.9	32.9	85.1	155.5	239.8	332.3	426.5	521.5	619.0
-52.5°	0.0	4.7	14.4	32.2	78.6	141.6	223.4	307.1	395.5	484.1	571.4
-55°	0.0	4.5	13.9	31.2	71.4	131.1	206.3	281.7	364.4	445.7	529.2
-57.5°	0.0	4.3	13.2	29.9	63.5	120.4	188.5	261.4	332.1	408.9	486.1
-60°	0.0	4.1	12.5	28.2	55.3	108.8	170.5	239.0	299.9	371.7	443.0
-62.5°	0.0	3.8	11.7	26.2	51.3	96.2	154.0	214.6	270.1	333.4	400.7
-65°	0.0	3.5	10.9	23.9	46.9	82.8	136.4	189.3	238.5	295.0	357.4
-67.5°	0.0	3.2	10.0	21.3	41.9	71.6	117.7	164.3	205.2	254.9	310.8
-70°	0.0	2.9	9.0	18.5	36.4	62.7	97.9	138.6	175.4	213.0	261.1
-72.5°	0.0	2.6	8.0	16.3	30.6	53.0	82.8	112.4	145.1	178.4	212.0
-75°	0.0	2.2	7.0	14.2	24.3	42.8	67.7	90.5	114.2	143.2	172.6
-77.5°	0.0	1.9	5.9	11.9	20.1	32.1	51.8	70.0	88.8	109.2	132.5
-80°	0.0	1.5	4.7	9.6	16.2	24.5	35.4	49.0	63.6	79.4	96.4
-82.5°	0.0	1.1	3.6	7.3	12.3	18.5	26.0	31.5	38.0	49.1	61.2
-85°	0.0	0.8	2.4	4.9	8.2	12.4	17.4	21.0	24.8	28.7	32.7
-87.5°	0.0	0.4	1.2	2.5	4.1	6.2	8.7	10.5	12.4	14.4	16.4
-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: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-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°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.5	1.6	1.6	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	2.0	2.0	1.8	1.5	1.3	1.4	1.5	1.4	1.3	1.3	1.3
67.5°	2.4	2.1	1.8	1.8	1.8	1.9	1.9	1.6	1.3	1.3	1.3
65°	2.5	2.2	3.1	3.6	2.6	2.2	1.9	1.6	1.7	1.8	1.8
62.5°	3.7	4.7	6.0	10.6	7.9	2.3	4.1	4.9	3.6	3.0	3.2
60°	12.2	8.3	24.7	35.3	22.1	8.0	9.8	32.7	28.3	5.2	17.7
57.5°	25.7	35.3	65.0	66.1	45.7	31.5	91.8	106.0	80.3	46.8	71.6
55°	56.6	86.9	107.7	99.7	108.9	164.9	196.0	176.1	148.2	228.0	291.3
52.5°	110.5	141.5	148.6	170.6	244.2	280.6	268.9	287.5	372.9	463.1	482.7
50°	163.2	188.5	208.3	301.2	358.8	362.5	389.2	473.7	587.6	642.8	629.5
47.5°	214.1	240.4	332.4	421.6	447.6	483.0	549.8	713.0	833.6	836.0	822.3
45°	267.9	338.1	455.5	513.8	555.8	624.3	785.8	1010.9	1022.6	1055.2	1256.4
42.5°	325.5	448.4	550.9	611.5	679.2	807.2	1022.7	1170.3	1221.1	1364.3	1526.1
40°	418.7	554.9	644.5	721.9	809.1	995.8	1231.8	1370.1	1411.4	1535.4	1657.0
37.5°	513.3	644.0	744.3	837.7	958.5	1210.5	1483.5	1597.6	1618.5	1641.1	1910.7
35°	604.4	735.2	855.4	977.5	1125.8	1488.4	1727.0	1834.3	1831.0	1984.0	2266.3
32.5°	689.6	828.5	970.3	1133.7	1378.3	1749.8	1988.5	2052.8	2150.2	2372.9	2758.1
30°	774.7	932.6	1095.4	1290.1	1599.8	1921.8	2194.4	2297.8	2464.8	2718.9	2999.2
27.5°	862.3	1039.3	1236.2	1464.3	1774.7	2070.7	2303.6	2550.5	2712.8	2940.5	3139.9
25°	949.6	1152.3	1375.2	1616.6	1899.7	2175.6	2416.4	2701.7	2875.9	3059.4	3245.5
22.5°	1041.1	1266.8	1518.5	1737.3	2005.1	2264.8	2551.5	2860.8	3087.3	3204.0	3328.9
20°	1136.8	1390.7	1659.2	1901.5	2109.2	2347.6	2687.0	3062.9	3355.3	3486.6	3503.7
17.5°	1231.0	1510.8	1799.4	2061.8	2285.8	2498.0	2829.4	3305.0	3668.6	3790.6	3844.9
15°	1323.0	1626.3	1938.9	2217.8	2463.6	2723.1	3077.0	3560.7	3976.4	4111.4	4196.9
12.5°	1411.7	1736.4	2076.1	2368.6	2641.6	2932.7	3301.9	3744.7	4124.1	4385.3	4542.0
10°	1496.3	1840.4	2209.3	2513.4	2817.6	3127.1	3488.0	3881.7	4190.6	4442.6	4665.0
7.5°	1538.9	1908.4	2323.7	2651.1	2989.1	3306.7	3640.4	3978.4	4238.5	4485.6	4700.7
5°	1567.9	1936.3	2359.5	2699.1	3080.2	3426.6	3750.5	4041.8	4269.8	4514.7	4724.8
2.5°	1588.6	1954.3	2383.7	2725.4	3114.5	3463.4	3782.3	4063.1	4295.6	4535.5	4750.6
0°	1601.1	1962.9	2396.1	2741.6	3135.9	3487.7	3800.7	4071.1	4312.7	4545.5	4777.1
-2.5°	1608.2	1989.2	2404.3	2783.1	3156.6	3508.6	3826.5	4090.4	4342.9	4564.4	4796.6
-5°	1607.3	2004.9	2402.1	2811.1	3166.5	3516.8	3839.4	4099.1	4359.2	4578.6	4804.6
-7.5°	1598.6	2008.5	2391.3	2819.8	3166.9	3514.0	3833.7	4103.3	4359.0	4591.6	4805.3
-10°	1583.0	1994.3	2381.3	2797.2	3154.8	3499.7	3816.4	4094.1	4348.8	4589.0	4801.1
-12.5°	1564.7	1965.0	2360.4	2764.6	3130.1	3473.1	3790.1	4070.7	4329.8	4569.4	4791.6
-15°	1537.2	1926.1	2326.1	2723.3	3092.5	3434.4	3756.0	4032.4	4300.4	4535.0	4763.2
-17.5°	1500.2	1877.9	2277.8	2674.2	3042.0	3383.8	3712.3	3981.9	4248.6	4491.0	4711.2
-20°	1453.5	1820.7	2215.2	2618.4	2977.7	3316.0	3634.2	3916.6	4181.5	4428.1	4659.5



REPORT NUMBER: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-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°	1397.2	1755.0	2139.7	2543.0	2897.5	3232.0	3546.3	3833.3	4107.8	4346.3	4592.9
-25°	1340.7	1685.5	2056.2	2438.8	2804.4	3137.4	3452.7	3732.3	4012.8	4260.9	4495.1
-27.5°	1286.6	1605.0	1959.4	2324.0	2698.8	3030.3	3342.7	3622.5	3894.9	4166.1	4391.6
-30°	1225.9	1511.7	1853.3	2201.5	2566.9	2904.4	3219.1	3509.4	3768.7	4036.5	4278.6
-32.5°	1158.9	1412.9	1741.1	2076.1	2420.7	2765.6	3077.4	3365.8	3635.5	3888.8	4142.9
-35°	1093.4	1333.0	1622.3	1941.5	2265.8	2604.2	2916.2	3201.8	3481.7	3732.6	3975.5
-37.5°	1034.5	1246.5	1496.0	1800.9	2110.8	2430.9	2748.3	3024.7	3291.0	3567.0	3803.8
-40°	970.8	1153.6	1386.6	1656.2	1948.2	2252.6	2556.5	2842.4	3092.8	3365.5	3625.9
-42.5°	904.0	1078.0	1278.7	1502.9	1778.6	2065.6	2358.9	2638.7	2898.6	3155.9	3414.0
-45°	845.5	998.0	1168.9	1373.7	1598.2	1868.1	2145.9	2424.7	2674.2	2919.4	3174.2
-47.5°	783.3	917.5	1075.5	1239.2	1434.3	1660.0	1921.2	2178.4	2433.7	2667.0	2892.5
-50°	721.4	845.1	974.9	1122.2	1283.2	1466.2	1683.1	1922.2	2155.5	2395.0	2618.4
-52.5°	668.1	768.9	886.2	1009.1	1147.0	1298.3	1472.1	1668.5	1880.7	2083.9	2306.8
-55°	612.7	703.6	798.3	906.5	1021.2	1148.9	1291.4	1456.5	1618.4	1806.3	1988.3
-57.5°	562.2	638.8	719.6	809.0	908.6	1010.8	1135.3	1263.8	1410.7	1556.7	1700.8
-60°	514.6	577.2	645.7	721.4	801.5	892.5	985.4	1095.7	1214.0	1330.6	1452.8
-62.5°	466.6	519.3	575.1	637.9	707.7	776.5	855.9	940.9	1028.0	1126.8	1223.2
-65°	417.2	459.8	507.2	559.3	615.0	673.5	734.5	797.5	871.5	943.9	1014.0
-67.5°	364.7	401.2	439.5	480.6	527.3	573.3	619.2	672.4	726.9	780.5	836.0
-70°	306.6	341.0	373.0	406.2	441.0	477.0	516.2	555.2	593.7	633.9	678.4
-72.5°	247.6	279.2	307.3	331.9	360.4	390.3	419.0	446.3	475.4	505.9	536.1
-75°	197.4	218.3	243.4	266.3	289.0	310.1	329.0	352.2	376.4	398.6	416.9
-77.5°	154.1	173.1	190.2	205.6	223.7	244.8	263.2	279.0	294.4	311.2	329.0
-80°	112.1	127.8	143.5	157.7	168.1	180.0	194.2	210.3	224.3	235.7	246.1
-82.5°	72.4	83.8	95.4	107.2	112.0	115.3	118.4	124.1	132.7	141.3	149.5
-85°	36.1	39.4	46.5	53.8	56.3	58.0	59.2	59.9	62.8	65.6	67.9
-87.5°	18.1	19.7	21.4	23.0	22.1	20.9	19.5	17.7	17.3	16.8	16.2
-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: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-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°	1.1	1.1	1.1	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	0.9	0.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1	0.8
65°	1.8	1.7	1.8	1.8	1.6	1.5	1.6	1.6	1.4	1.1	0.8
62.5°	3.1	3.6	2.8	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.2
60°	19.6	11.6	6.8	7.9	7.1	4.8	6.0	7.1	7.2	6.6	5.8
57.5°	108.8	81.2	60.1	143.6	144.1	68.8	82.8	130.2	107.3	35.3	32.7
55°	302.7	362.1	476.5	452.6	460.0	529.0	577.7	511.4	501.3	534.2	617.1
52.5°	543.9	600.4	638.9	674.9	718.7	765.9	814.4	845.3	874.1	904.9	923.2
50°	694.5	774.2	828.9	808.8	922.2	968.6	921.5	963.6	1015.0	1029.1	1035.7
47.5°	1025.4	1142.3	1165.6	1240.9	1308.5	1307.1	1249.7	1253.0	1405.9	1540.8	1607.1
45°	1473.7	1477.7	1551.2	1684.2	1779.3	1749.4	1829.6	2012.0	2072.7	2131.4	2179.6
42.5°	1648.4	1720.8	1838.0	1955.6	2026.5	2088.0	2147.4	2214.4	2293.3	2357.2	2408.3
40°	1817.5	1875.8	1995.9	2090.6	2149.3	2206.7	2275.9	2350.2	2422.4	2478.5	2516.9
37.5°	2077.7	2122.9	2152.2	2240.1	2351.1	2299.8	2431.2	2525.4	2568.4	2625.5	2630.6
35°	2471.5	2441.4	2402.4	2752.4	2773.4	2655.1	2778.0	2924.0	2847.0	3007.3	3093.4
32.5°	2820.5	2816.0	3121.5	3305.5	3199.7	3286.1	3569.2	3556.7	3745.4	3833.0	3808.0
30°	3149.4	3261.6	3438.3	3575.4	3593.7	3729.9	3855.7	3965.8	4079.7	4181.9	4188.9
27.5°	3316.3	3462.8	3582.8	3662.0	3750.5	3865.1	3979.2	4103.3	4200.2	4264.3	4279.9
25°	3417.3	3567.0	3657.7	3743.1	3840.8	3939.7	4067.5	4202.5	4280.4	4319.9	4332.5
22.5°	3506.4	3640.8	3738.4	3807.7	3912.8	4019.2	4138.3	4252.7	4337.2	4354.5	4360.8
20°	3592.1	3721.3	3884.3	3986.2	3981.2	4101.1	4215.9	4306.8	4377.3	4376.9	4378.6
17.5°	3840.0	3886.2	4182.0	4406.6	4295.4	4236.8	4552.4	4558.4	4577.2	4539.9	4459.1
15°	4207.1	4291.1	4654.5	4898.0	4821.4	4817.4	5273.3	5160.2	5257.5	5232.1	5341.6
12.5°	4596.0	4695.4	4967.0	5206.1	5320.1	5348.0	5500.3	5643.0	5672.4	5660.8	5639.3
10°	4860.9	5002.4	5111.5	5256.7	5371.6	5488.8	5577.0	5679.5	5713.1	5693.7	5666.2
7.5°	4895.3	5035.3	5163.4	5290.7	5400.2	5494.6	5586.2	5669.6	5703.8	5692.5	5673.6
5°	4917.3	5044.1	5168.2	5297.4	5402.1	5489.6	5580.9	5665.3	5685.5	5671.9	5653.6
2.5°	4930.8	5048.1	5167.8	5296.4	5391.6	5474.9	5567.2	5657.4	5657.2	5651.3	5640.5
0°	4937.4	5055.0	5194.0	5310.4	5416.8	5495.7	5587.1	5674.7	5668.4	5652.2	5633.4
-2.5°	4951.4	5070.7	5212.4	5308.9	5428.9	5501.1	5595.6	5671.5	5668.6	5660.6	5651.3
-5°	4963.9	5098.1	5230.7	5332.2	5452.4	5546.9	5640.8	5700.1	5703.3	5692.1	5676.5
-7.5°	4971.6	5120.3	5246.8	5348.7	5465.4	5575.2	5670.5	5732.7	5734.1	5719.2	5700.6
-10°	4969.0	5126.0	5256.3	5361.6	5481.1	5589.5	5689.1	5768.1	5765.5	5751.4	5735.4
-12.5°	4959.6	5116.4	5250.2	5355.9	5491.5	5603.2	5715.2	5793.7	5797.9	5787.3	5770.0
-15°	4939.0	5100.9	5231.0	5346.4	5479.3	5609.9	5724.9	5811.6	5827.0	5818.4	5804.7
-17.5°	4898.3	5069.0	5207.1	5331.4	5458.9	5598.1	5729.0	5823.7	5844.8	5841.4	5830.1
-20°	4844.7	5020.9	5161.1	5291.3	5430.1	5573.5	5725.8	5812.4	5843.1	5845.0	5837.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3C-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°	4784.6	4957.1	5105.8	5233.8	5384.4	5529.4	5667.3	5768.8	5820.3	5829.9	5830.5
-25°	4712.5	4889.8	5037.5	5173.8	5313.9	5463.7	5603.0	5716.3	5768.5	5793.5	5801.2
-27.5°	4610.6	4793.8	4939.2	5083.3	5225.8	5380.6	5527.0	5650.1	5692.6	5726.9	5740.6
-30°	4491.3	4672.5	4820.7	4952.4	5115.4	5273.2	5424.4	5531.8	5595.8	5635.1	5656.5
-32.5°	4354.1	4537.0	4692.5	4830.1	4985.0	5142.8	5285.0	5398.3	5486.6	5531.9	5554.8
-35°	4205.3	4392.0	4554.8	4699.8	4845.6	4996.0	5143.4	5261.9	5362.5	5401.4	5430.1
-37.5°	4025.8	4231.8	4398.7	4548.2	4686.8	4828.2	4981.6	5117.1	5214.8	5252.5	5282.8
-40°	3841.7	4040.9	4209.2	4368.7	4505.7	4660.0	4807.9	4949.9	5034.6	5078.6	5112.9
-42.5°	3647.4	3827.3	3987.4	4142.3	4294.9	4453.8	4601.5	4749.1	4822.4	4875.4	4917.5
-45°	3423.2	3590.5	3746.1	3891.1	4048.3	4204.6	4352.4	4482.8	4570.0	4639.1	4692.8
-47.5°	3124.2	3328.0	3484.2	3622.1	3778.0	3928.8	4072.0	4194.6	4290.3	4371.1	4433.5
-50°	2820.4	3016.1	3192.3	3347.2	3491.8	3631.2	3767.6	3887.6	3988.8	4076.3	4139.5
-52.5°	2521.3	2704.7	2879.6	3039.5	3178.5	3310.1	3434.8	3555.5	3662.3	3755.9	3817.0
-55°	2183.4	2373.4	2546.3	2695.4	2834.4	2964.4	3087.6	3202.0	3307.2	3402.4	3461.0
-57.5°	1866.4	2033.0	2194.0	2331.6	2462.7	2586.6	2703.4	2812.9	2914.1	3003.8	3060.3
-60°	1575.0	1696.5	1835.0	1962.1	2078.3	2183.8	2292.7	2394.8	2487.8	2566.6	2619.3
-62.5°	1317.4	1418.1	1518.1	1614.7	1709.0	1803.8	1895.0	1979.7	2057.4	2122.0	2168.1
-65°	1087.9	1168.8	1241.1	1309.6	1374.9	1449.6	1519.0	1584.3	1644.6	1694.2	1729.3
-67.5°	895.8	952.7	1002.7	1049.7	1101.1	1153.9	1203.4	1246.6	1283.5	1312.8	1336.0
-70°	722.4	764.2	801.9	839.4	877.0	911.3	944.1	975.8	1006.0	1030.5	1049.0
-72.5°	565.8	594.4	620.0	648.9	675.9	702.0	724.6	742.9	757.1	770.9	783.0
-75°	431.4	452.8	481.8	506.2	526.4	544.3	560.7	575.3	588.1	599.5	609.5
-77.5°	347.0	365.2	383.6	401.5	418.7	431.5	443.4	455.3	467.0	477.1	486.0
-80°	257.1	270.7	285.0	299.3	313.5	320.6	326.3	331.5	336.2	342.2	347.8
-82.5°	157.2	164.9	172.8	180.8	188.8	190.8	191.5	191.4	190.3	188.1	184.8
-85°	70.0	70.4	70.1	69.3	68.0	65.2	61.8	57.9	53.5	52.8	52.0
-87.5°	15.4	15.1	14.6	14.2	13.6	13.6	13.5	13.4	13.3	13.8	14.2
-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: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-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	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.2
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.1	1.3	1.3
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.8	1.1	1.4	1.6
62.5°	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.2	2.4
60°	4.5	3.0	2.5	2.5	2.5	3.0	4.5	5.8	6.6	7.2	7.1
57.5°	27.7	20.7	17.6	16.3	17.6	20.7	27.7	32.7	35.3	107.3	130.2
55°	676.5	711.0	736.7	748.6	736.7	711.0	676.5	617.1	534.2	501.3	511.4
52.5°	939.3	954.3	962.9	962.7	962.9	954.3	939.3	923.2	904.9	874.1	845.3
50°	1047.0	1054.3	1056.9	1055.3	1056.9	1054.3	1047.0	1035.7	1029.1	1015.0	963.6
47.5°	1546.6	1412.7	1314.3	1290.7	1314.3	1412.7	1546.6	1607.1	1540.8	1405.9	1253.0
45°	2202.7	2253.5	2304.0	2319.7	2304.0	2253.5	2202.7	2179.6	2131.4	2072.7	2012.0
42.5°	2429.9	2446.4	2455.8	2456.2	2455.8	2446.4	2429.9	2408.3	2357.2	2293.3	2214.4
40°	2538.3	2553.9	2563.0	2563.8	2563.0	2553.9	2538.3	2516.9	2478.5	2422.4	2350.2
37.5°	2636.8	2650.1	2658.8	2667.7	2658.8	2650.1	2636.8	2630.6	2625.5	2568.4	2525.4
35°	3081.8	2981.0	2836.0	2858.0	2836.0	2981.0	3081.8	3093.4	3007.3	2847.0	2924.0
32.5°	3847.0	3889.4	3915.9	3960.9	3915.9	3889.4	3847.0	3808.0	3833.0	3745.4	3556.7
30°	4200.1	4214.1	4235.3	4257.6	4235.3	4214.1	4200.1	4188.9	4181.9	4079.7	3965.8
27.5°	4288.2	4302.7	4315.5	4325.2	4315.5	4302.7	4288.2	4279.9	4264.3	4200.2	4103.3
25°	4334.3	4343.3	4357.0	4369.0	4357.0	4343.3	4334.3	4332.5	4319.9	4280.4	4202.5
22.5°	4357.2	4358.1	4368.8	4384.0	4368.8	4358.1	4357.2	4360.8	4354.5	4337.2	4252.7
20°	4372.9	4364.4	4375.4	4385.3	4375.4	4364.4	4372.9	4378.6	4376.9	4377.3	4306.8
17.5°	4573.0	4458.9	4411.9	4412.8	4411.9	4458.9	4573.0	4459.1	4539.9	4577.2	4558.4
15°	5218.7	5261.5	5425.8	5514.5	5425.8	5261.5	5218.7	5341.6	5232.1	5257.5	5160.2
12.5°	5635.3	5620.1	5600.5	5627.1	5600.5	5620.1	5635.3	5639.3	5660.8	5672.4	5643.0
10°	5654.6	5652.9	5618.1	5655.9	5618.1	5652.9	5654.6	5666.2	5693.7	5713.1	5679.5
7.5°	5642.8	5643.8	5629.0	5665.9	5629.0	5643.8	5642.8	5673.6	5692.5	5703.8	5669.6
5°	5650.6	5625.1	5634.8	5655.9	5634.8	5625.1	5650.6	5653.6	5671.9	5685.5	5665.3
2.5°	5628.7	5626.1	5607.3	5622.1	5607.3	5626.1	5628.7	5640.5	5651.3	5657.2	5657.4
0°	5612.1	5598.3	5598.3	5610.9	5598.3	5598.3	5612.1	5633.4	5652.2	5668.4	5674.7
-2.5°	5641.7	5638.8	5637.0	5628.4	5637.0	5638.8	5641.7	5651.3	5660.6	5668.6	5671.5
-5°	5666.1	5658.6	5638.1	5665.9	5638.1	5658.6	5666.1	5676.5	5692.1	5703.3	5700.1
-7.5°	5692.3	5673.2	5653.8	5697.2	5653.8	5673.2	5692.3	5700.6	5719.2	5734.1	5732.7
-10°	5716.2	5688.7	5669.7	5712.3	5669.7	5688.7	5716.2	5735.4	5751.4	5765.5	5768.1
-12.5°	5747.7	5715.6	5703.0	5726.0	5703.0	5715.6	5747.7	5770.0	5787.3	5797.9	5793.7
-15°	5781.4	5759.2	5756.3	5769.8	5756.3	5759.2	5781.4	5804.7	5818.4	5827.0	5811.6
-17.5°	5811.0	5795.5	5803.2	5818.7	5803.2	5795.5	5811.0	5830.1	5841.4	5844.8	5823.7
-20°	5825.2	5816.5	5825.1	5863.7	5825.1	5816.5	5825.2	5837.3	5845.0	5843.1	5812.4



REPORT NUMBER: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-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°	5824.0	5824.6	5839.9	5852.5	5839.9	5824.6	5824.0	5830.5	5829.9	5820.3	5768.8
-25°	5801.7	5813.5	5831.0	5856.2	5831.0	5813.5	5801.7	5801.2	5793.5	5768.5	5716.3
-27.5°	5748.1	5767.6	5786.0	5812.4	5786.0	5767.6	5748.1	5740.6	5726.9	5692.6	5650.1
-30°	5670.7	5693.8	5710.2	5738.5	5710.2	5693.8	5670.7	5656.5	5635.1	5595.8	5531.8
-32.5°	5576.4	5602.5	5621.9	5642.2	5621.9	5602.5	5576.4	5554.8	5531.9	5486.6	5398.3
-35°	5458.5	5486.7	5507.3	5525.7	5507.3	5486.7	5458.5	5430.1	5401.4	5362.5	5261.9
-37.5°	5316.9	5347.3	5370.8	5391.8	5370.8	5347.3	5316.9	5282.8	5252.5	5214.8	5117.1
-40°	5151.8	5183.0	5208.1	5231.5	5208.1	5183.0	5151.8	5112.9	5078.6	5034.6	4949.9
-42.5°	4958.9	4990.4	5016.3	5040.0	5016.3	4990.4	4958.9	4917.5	4875.4	4822.4	4749.1
-45°	4736.1	4768.5	4795.8	4820.9	4795.8	4768.5	4736.1	4692.8	4639.1	4570.0	4482.8
-47.5°	4479.5	4514.1	4537.5	4549.3	4537.5	4514.1	4479.5	4433.5	4371.1	4290.3	4194.6
-50°	4185.4	4220.0	4248.1	4268.9	4248.1	4220.0	4185.4	4139.5	4076.3	3988.8	3887.6
-52.5°	3861.6	3894.6	3918.8	3933.4	3918.8	3894.6	3861.6	3817.0	3755.9	3662.3	3555.5
-55°	3507.1	3541.7	3564.6	3575.3	3564.6	3541.7	3507.1	3461.0	3402.4	3307.2	3202.0
-57.5°	3105.1	3137.9	3162.3	3176.0	3162.3	3137.9	3105.1	3060.3	3003.8	2914.1	2812.9
-60°	2660.3	2689.6	2708.1	2715.3	2708.1	2689.6	2660.3	2619.3	2566.6	2487.8	2394.8
-62.5°	2205.3	2233.1	2250.4	2257.1	2250.4	2233.1	2205.3	2168.1	2122.0	2057.4	1979.7
-65°	1755.5	1772.9	1782.5	1783.9	1782.5	1772.9	1755.5	1729.3	1694.2	1644.6	1584.3
-67.5°	1354.3	1367.6	1375.6	1378.3	1375.6	1367.6	1354.3	1336.0	1312.8	1283.5	1246.6
-70°	1062.7	1071.8	1077.0	1077.9	1077.0	1071.8	1062.7	1049.0	1030.5	1006.0	975.8
-72.5°	792.3	798.8	796.6	791.2	796.6	798.8	792.3	783.0	770.9	757.1	742.9
-75°	618.1	625.2	622.3	617.2	622.3	625.2	618.1	609.5	599.5	588.1	575.3
-77.5°	493.7	500.3	497.1	492.0	497.1	500.3	493.7	486.0	477.1	467.0	455.3
-80°	352.6	356.5	359.2	360.5	359.2	356.5	352.6	347.8	342.2	336.2	331.5
-82.5°	180.5	175.2	171.8	167.7	171.8	175.2	180.5	184.8	188.1	190.3	191.4
-85°	51.0	49.8	50.6	51.3	50.6	49.8	51.0	52.0	52.8	53.5	57.9
-87.5°	14.6	14.9	15.0	15.0	15.0	14.9	14.6	14.2	13.8	13.3	13.4
-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: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.9	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.6
65°	1.6	1.5	1.6	1.8	1.8	1.7	1.8	1.8	1.8	1.7	1.6
62.5°	2.5	2.6	2.7	2.8	2.8	3.6	3.1	3.2	3.0	3.6	4.9
60°	6.0	4.8	7.1	7.9	6.8	11.6	19.6	17.7	5.2	28.3	32.7
57.5°	82.8	68.8	144.1	143.6	60.1	81.2	108.8	71.6	46.8	80.3	106.0
55°	577.7	529.0	460.0	452.6	476.5	362.1	302.7	291.3	228.0	148.2	176.1
52.5°	814.4	765.9	718.7	674.9	638.9	600.4	543.9	482.7	463.1	372.9	287.5
50°	921.5	968.6	922.2	808.8	828.9	774.2	694.5	629.5	642.8	587.6	473.7
47.5°	1249.7	1307.1	1308.5	1240.9	1165.6	1142.3	1025.4	822.3	836.0	833.6	713.0
45°	1829.6	1749.4	1779.3	1684.2	1551.2	1477.7	1473.7	1256.4	1055.2	1022.6	1010.9
42.5°	2147.4	2088.0	2026.5	1955.6	1838.0	1720.8	1648.4	1526.1	1364.3	1221.1	1170.3
40°	2275.9	2206.7	2149.3	2090.6	1995.9	1875.8	1817.5	1657.0	1535.4	1411.4	1370.1
37.5°	2431.2	2299.8	2351.1	2240.1	2152.2	2122.9	2077.7	1910.7	1641.1	1618.5	1597.6
35°	2778.0	2655.1	2773.4	2752.4	2402.4	2441.4	2471.5	2266.3	1984.0	1831.0	1834.3
32.5°	3569.2	3286.1	3199.7	3305.5	3121.5	2816.0	2820.5	2758.1	2372.9	2150.2	2052.8
30°	3855.7	3729.9	3593.7	3575.4	3438.3	3261.6	3149.4	2999.2	2718.9	2464.8	2297.8
27.5°	3979.2	3865.1	3750.5	3662.0	3582.8	3462.8	3316.3	3139.9	2940.5	2712.8	2550.5
25°	4067.5	3939.7	3840.8	3743.1	3657.7	3567.0	3417.3	3245.5	3059.4	2875.9	2701.7
22.5°	4138.3	4019.2	3912.8	3807.7	3738.4	3640.8	3506.4	3328.9	3204.0	3087.3	2860.8
20°	4215.9	4101.1	3981.2	3986.2	3884.3	3721.3	3592.1	3503.7	3486.6	3355.3	3062.9
17.5°	4552.4	4236.8	4295.4	4406.6	4182.0	3886.2	3840.0	3844.9	3790.6	3668.6	3305.0
15°	5273.3	4817.4	4821.4	4898.0	4654.5	4291.1	4207.1	4196.9	4111.4	3976.4	3560.7
12.5°	5500.3	5348.0	5320.1	5206.1	4967.0	4695.4	4596.0	4542.0	4385.3	4124.1	3744.7
10°	5577.0	5488.8	5371.6	5256.7	5111.5	5002.4	4860.9	4665.0	4442.6	4190.6	3881.7
7.5°	5586.2	5494.6	5400.2	5290.7	5163.4	5035.3	4895.3	4700.7	4485.6	4238.5	3978.4
5°	5580.9	5489.6	5402.1	5297.4	5168.2	5044.1	4917.3	4724.8	4514.7	4269.8	4041.8
2.5°	5567.2	5474.9	5391.6	5296.4	5167.8	5048.1	4930.8	4750.6	4535.5	4295.6	4063.1
0°	5587.1	5495.7	5416.8	5310.4	5194.0	5055.0	4937.4	4777.1	4545.5	4312.7	4071.1
-2.5°	5595.6	5501.1	5428.9	5308.9	5212.4	5070.7	4951.4	4796.6	4564.4	4342.9	4090.4
-5°	5640.8	5546.9	5452.4	5332.2	5230.7	5098.1	4963.9	4804.6	4578.6	4359.2	4099.1
-7.5°	5670.5	5575.2	5465.4	5348.7	5246.8	5120.3	4971.6	4805.3	4591.6	4359.0	4103.3
-10°	5689.1	5589.5	5481.1	5361.6	5256.3	5126.0	4969.0	4801.1	4589.0	4348.8	4094.1
-12.5°	5715.2	5603.2	5491.5	5355.9	5250.2	5116.4	4959.6	4791.6	4569.4	4329.8	4070.7
-15°	5724.9	5609.9	5479.3	5346.4	5231.0	5100.9	4939.0	4763.2	4535.0	4300.4	4032.4
-17.5°	5729.0	5598.1	5458.9	5331.4	5207.1	5069.0	4898.3	4711.2	4491.0	4248.6	3981.9
-20°	5725.8	5573.5	5430.1	5291.3	5161.1	5020.9	4844.7	4659.5	4428.1	4181.5	3916.6



REPORT NUMBER: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5667.3	5529.4	5384.4	5233.8	5105.8	4957.1	4784.6	4592.9	4346.3	4107.8	3833.3
-25°	5603.0	5463.7	5313.9	5173.8	5037.5	4889.8	4712.5	4495.1	4260.9	4012.8	3732.3
-27.5°	5527.0	5380.6	5225.8	5083.3	4939.2	4793.8	4610.6	4391.6	4166.1	3894.9	3622.5
-30°	5424.4	5273.2	5115.4	4952.4	4820.7	4672.5	4491.3	4278.6	4036.5	3768.7	3509.4
-32.5°	5285.0	5142.8	4985.0	4830.1	4692.5	4537.0	4354.1	4142.9	3888.8	3635.5	3365.8
-35°	5143.4	4996.0	4845.6	4699.8	4554.8	4392.0	4205.3	3975.5	3732.6	3481.7	3201.8
-37.5°	4981.6	4828.2	4686.8	4548.2	4398.7	4231.8	4025.8	3803.8	3567.0	3291.0	3024.7
-40°	4807.9	4660.0	4505.7	4368.7	4209.2	4040.9	3841.7	3625.9	3365.5	3092.8	2842.4
-42.5°	4601.5	4453.8	4294.9	4142.3	3987.4	3827.3	3647.4	3414.0	3155.9	2898.6	2638.7
-45°	4352.4	4204.6	4048.3	3891.1	3746.1	3590.5	3423.2	3174.2	2919.4	2674.2	2424.7
-47.5°	4072.0	3928.8	3778.0	3622.1	3484.2	3328.0	3124.2	2892.5	2667.0	2433.7	2178.4
-50°	3767.6	3631.2	3491.8	3347.2	3192.3	3016.1	2820.4	2618.4	2395.0	2155.5	1922.2
-52.5°	3434.8	3310.1	3178.5	3039.5	2879.6	2704.7	2521.3	2306.8	2083.9	1880.7	1668.5
-55°	3087.6	2964.4	2834.4	2695.4	2546.3	2373.4	2183.4	1988.3	1806.3	1618.4	1456.5
-57.5°	2703.4	2586.6	2462.7	2331.6	2194.0	2033.0	1866.4	1700.8	1556.7	1410.7	1263.8
-60°	2292.7	2183.8	2078.3	1962.1	1835.0	1696.5	1575.0	1452.8	1330.6	1214.0	1095.7
-62.5°	1895.0	1803.8	1709.0	1614.7	1518.1	1418.1	1317.4	1223.2	1126.8	1028.0	940.9
-65°	1519.0	1449.6	1374.9	1309.6	1241.1	1168.8	1087.9	1014.0	943.9	871.5	797.5
-67.5°	1203.4	1153.9	1101.1	1049.7	1002.7	952.7	895.8	836.0	780.5	726.9	672.4
-70°	944.1	911.3	877.0	839.4	801.9	764.2	722.4	678.4	633.9	593.7	555.2
-72.5°	724.6	702.0	675.9	648.9	620.0	594.4	565.8	536.1	505.9	475.4	446.3
-75°	560.7	544.3	526.4	506.2	481.8	452.8	431.4	416.9	398.6	376.4	352.2
-77.5°	443.4	431.5	418.7	401.5	383.6	365.2	347.0	329.0	311.2	294.4	279.0
-80°	326.3	320.6	313.5	299.3	285.0	270.7	257.1	246.1	235.7	224.3	210.3
-82.5°	191.5	190.8	188.8	180.8	172.8	164.9	157.2	149.5	141.3	132.7	124.1
-85°	61.8	65.2	68.0	69.3	70.1	70.4	70.0	67.9	65.6	62.8	59.9
-87.5°	13.5	13.6	13.6	14.2	14.6	15.1	15.4	16.2	16.8	17.3	17.7
-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: P645423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-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°	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.7	2.0	2.2
75°	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4	1.7	2.0	2.3
72.5°	1.3	1.3	1.3	1.4	1.6	1.6	1.5	1.4	1.7	2.0	2.3
70°	1.5	1.4	1.3	1.5	1.8	2.0	2.0	2.0	1.8	2.0	2.3
67.5°	1.9	1.9	1.8	1.8	1.8	2.1	2.4	2.8	2.8	2.1	2.4
65°	1.9	2.2	2.6	3.6	3.1	2.2	2.5	4.9	3.9	3.3	2.4
62.5°	4.1	2.3	7.9	10.6	6.0	4.7	3.7	10.9	6.8	4.6	3.3
60°	9.8	8.0	22.1	35.3	24.7	8.3	12.2	18.9	17.4	6.0	4.7
57.5°	91.8	31.5	45.7	66.1	65.0	35.3	25.7	34.3	29.5	17.0	6.7
55°	196.0	164.9	108.9	99.7	107.7	86.9	56.6	55.5	45.5	31.5	10.8
52.5°	268.9	280.6	244.2	170.6	148.6	141.5	110.5	80.6	71.5	47.4	27.4
50°	389.2	362.5	358.8	301.2	208.3	188.5	163.2	125.8	100.3	67.7	46.3
47.5°	549.8	483.0	447.6	421.6	332.4	240.4	214.1	172.1	132.1	97.6	66.1
45°	785.8	624.3	555.8	513.8	455.5	338.1	267.9	217.0	172.2	131.1	86.9
42.5°	1022.7	807.2	679.2	611.5	550.9	448.4	325.5	268.8	211.3	165.1	113.2
40°	1231.8	995.8	809.1	721.9	644.5	554.9	418.7	324.3	249.6	200.2	143.1
37.5°	1483.5	1210.5	958.5	837.7	744.3	644.0	513.3	382.2	295.6	236.9	173.1
35°	1727.0	1488.4	1125.8	977.5	855.4	735.2	604.4	450.6	352.1	274.3	203.1
32.5°	1988.5	1749.8	1378.3	1133.7	970.3	828.5	689.6	533.8	409.0	312.1	233.0
30°	2194.4	1921.8	1599.8	1290.1	1095.4	932.6	774.7	613.7	466.0	350.2	263.1
27.5°	2303.6	2070.7	1774.7	1464.3	1236.2	1039.3	862.3	690.0	522.9	392.2	294.5
25°	2416.4	2175.6	1899.7	1616.6	1375.2	1152.3	949.6	762.8	585.0	439.4	325.6
22.5°	2551.5	2264.8	2005.1	1737.3	1518.5	1266.8	1041.1	836.5	647.2	485.8	356.2
20°	2687.0	2347.6	2109.2	1901.5	1659.2	1390.7	1136.8	908.3	705.8	531.0	386.1
17.5°	2829.4	2498.0	2285.8	2061.8	1799.4	1510.8	1231.0	978.0	760.8	574.7	415.2
15°	3077.0	2723.1	2463.6	2217.8	1938.9	1626.3	1323.0	1044.8	812.1	616.7	442.2
12.5°	3301.9	2932.7	2641.6	2368.6	2076.1	1736.4	1411.7	1108.5	859.6	650.2	466.3
10°	3488.0	3127.1	2817.6	2513.4	2209.3	1840.4	1496.3	1160.3	888.1	675.1	488.4
7.5°	3640.4	3306.7	2989.1	2651.1	2323.7	1908.4	1538.9	1190.6	910.2	696.4	508.7
5°	3750.5	3426.6	3080.2	2699.1	2359.5	1936.3	1567.9	1215.2	928.0	714.2	526.9
2.5°	3782.3	3463.4	3114.5	2725.4	2383.7	1954.3	1588.6	1234.0	941.7	728.6	543.0
0°	3800.7	3487.7	3135.9	2741.6	2396.1	1962.9	1601.1	1246.9	951.4	739.9	557.1
-2.5°	3826.5	3508.6	3156.6	2783.1	2404.3	1989.2	1608.2	1255.3	963.7	743.9	565.3
-5°	3839.4	3516.8	3166.5	2811.1	2402.1	2004.9	1607.3	1258.0	971.7	745.3	571.3
-7.5°	3833.7	3514.0	3166.9	2819.8	2391.3	2008.5	1598.6	1255.2	974.9	744.3	575.0
-10°	3816.4	3499.7	3154.8	2797.2	2381.3	1994.3	1583.0	1247.2	973.0	741.1	576.5
-12.5°	3790.1	3473.1	3130.1	2764.6	2360.4	1965.0	1564.7	1233.5	965.2	736.0	575.5
-15°	3756.0	3434.4	3092.5	2723.3	2326.1	1926.1	1537.2	1213.7	949.9	730.1	572.1
-17.5°	3712.3	3383.8	3042.0	2674.2	2277.8	1877.9	1500.2	1187.8	930.7	723.0	565.2
-20°	3634.2	3316.0	2977.7	2618.4	2215.2	1820.7	1453.5	1155.9	907.9	712.9	555.4



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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°	3546.3	3232.0	2897.5	2543.0	2139.7	1755.0	1397.2	1118.1	881.7	699.8	543.6
-25°	3452.7	3137.4	2804.4	2438.8	2056.2	1685.5	1340.7	1074.2	852.1	683.5	529.8
-27.5°	3342.7	3030.3	2698.8	2324.0	1959.4	1605.0	1286.6	1035.4	823.4	664.1	514.2
-30°	3219.1	2904.4	2566.9	2201.5	1853.3	1511.7	1225.9	994.0	799.2	642.9	496.8
-32.5°	3077.4	2765.6	2420.7	2076.1	1741.1	1412.9	1158.9	949.6	771.2	620.4	480.7
-35°	2916.2	2604.2	2265.8	1941.5	1622.3	1333.0	1093.4	902.6	739.5	596.1	463.8
-37.5°	2748.3	2430.9	2110.8	1800.9	1496.0	1246.5	1034.5	856.1	704.0	570.1	445.1
-40°	2556.5	2252.6	1948.2	1656.2	1386.6	1153.6	970.8	810.2	670.5	542.4	424.6
-42.5°	2358.9	2065.6	1778.6	1502.9	1278.7	1078.0	904.0	760.8	635.1	515.6	402.4
-45°	2145.9	1868.1	1598.2	1373.7	1168.9	998.0	845.5	709.6	597.4	488.3	379.4
-47.5°	1921.2	1660.0	1434.3	1239.2	1075.5	917.5	783.3	665.3	557.8	458.9	356.5
-50°	1683.1	1466.2	1283.2	1122.2	974.9	845.1	721.4	619.0	521.5	426.5	332.3
-52.5°	1472.1	1298.3	1147.0	1009.1	886.2	768.9	668.1	571.4	484.1	395.5	307.1
-55°	1291.4	1148.9	1021.2	906.5	798.3	703.6	612.7	529.2	445.7	364.4	281.7
-57.5°	1135.3	1010.8	908.6	809.0	719.6	638.8	562.2	486.1	408.9	332.1	261.4
-60°	985.4	892.5	801.5	721.4	645.7	577.2	514.6	443.0	371.7	299.9	239.0
-62.5°	855.9	776.5	707.7	637.9	575.1	519.3	466.6	400.7	333.4	270.1	214.6
-65°	734.5	673.5	615.0	559.3	507.2	459.8	417.2	357.4	295.0	238.5	189.3
-67.5°	619.2	573.3	527.3	480.6	439.5	401.2	364.7	310.8	254.9	205.2	164.3
-70°	516.2	477.0	441.0	406.2	373.0	341.0	306.6	261.1	213.0	175.4	138.6
-72.5°	419.0	390.3	360.4	331.9	307.3	279.2	247.6	212.0	178.4	145.1	112.4
-75°	329.0	310.1	289.0	266.3	243.4	218.3	197.4	172.6	143.2	114.2	90.5
-77.5°	263.2	244.8	223.7	205.6	190.2	173.1	154.1	132.5	109.2	88.8	70.0
-80°	194.2	180.0	168.1	157.7	143.5	127.8	112.1	96.4	79.4	63.6	49.0
-82.5°	118.4	115.3	112.0	107.2	95.4	83.8	72.4	61.2	49.1	38.0	31.5
-85°	59.2	58.0	56.3	53.8	46.5	39.4	36.1	32.7	28.7	24.8	21.0
-87.5°	19.5	20.9	22.1	23.0	21.4	19.7	18.1	16.4	14.4	12.4	10.5
-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°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.3	1.1	0.9	0.7	0.4	0.3	0.0
82.5°	1.9	1.6	1.3	1.0	0.7	0.4	0.0
80°	2.5	2.2	1.7	1.3	0.9	0.5	0.0
77.5°	2.5	2.5	2.2	1.6	1.1	0.7	0.0
75°	2.5	2.6	2.5	1.9	1.3	0.8	0.0
72.5°	2.6	2.7	2.6	2.2	1.5	1.0	0.0
70°	2.6	2.8	2.8	2.5	1.8	1.1	0.0
67.5°	2.9	2.9	2.9	2.7	2.0	1.2	0.0
65°	3.4	3.3	3.0	2.8	2.2	1.4	0.0
62.5°	3.9	4.1	3.2	2.9	2.4	1.5	0.0
60°	4.6	5.0	3.3	3.0	2.7	1.6	0.0
57.5°	8.6	6.0	4.3	3.2	2.8	1.7	0.0
55°	13.7	7.1	5.3	3.3	3.0	1.9	0.0
52.5°	19.6	9.1	6.4	3.5	3.1	2.0	0.0
50°	26.4	15.6	7.6	3.6	3.3	2.1	0.0
47.5°	35.5	22.5	8.8	4.0	3.4	2.2	0.0
45°	53.6	29.9	10.0	4.9	3.6	2.4	0.0
42.5°	72.1	37.7	11.3	5.9	3.7	2.5	0.0
40°	91.0	46.1	15.2	7.1	3.9	2.6	0.0
37.5°	110.2	54.9	21.7	8.6	4.0	2.7	0.0
35°	129.8	68.2	28.4	10.2	4.2	2.8	0.0
32.5°	151.0	83.6	35.1	12.1	4.4	2.9	0.0
30°	175.3	98.9	41.8	14.1	4.5	3.0	0.0
27.5°	199.1	114.0	50.2	16.2	4.7	3.1	0.0
25°	222.3	128.9	58.7	18.4	4.9	3.2	0.0
22.5°	244.9	144.1	67.3	20.7	5.0	3.3	0.0
20°	266.7	160.4	75.7	23.1	5.2	3.4	0.0
17.5°	288.2	176.2	84.1	25.5	5.3	3.4	0.0
15°	308.9	191.3	92.2	28.0	5.5	3.5	0.0
12.5°	328.3	205.8	100.0	30.4	5.7	3.6	0.0
10°	346.3	219.4	107.5	32.8	5.8	3.6	0.0
7.5°	362.8	232.2	114.6	35.1	5.9	3.7	0.0
5°	377.8	243.9	121.2	37.3	6.1	3.7	0.0
2.5°	391.2	254.6	127.3	39.4	6.2	3.8	0.0
0°	403.1	264.1	132.7	41.3	6.3	3.8	0.0
-2.5°	409.0	270.1	137.7	44.0	7.3	4.0	0.0
-5°	413.3	274.9	142.0	46.5	8.2	4.2	0.0
-7.5°	416.1	278.3	145.5	48.7	9.2	4.4	0.0
-10°	417.3	280.5	148.2	50.6	10.1	4.6	0.0
-12.5°	417.1	281.4	150.0	52.2	10.9	4.8	0.0
-15°	415.5	281.0	150.8	53.5	11.7	4.9	0.0
-17.5°	412.4	279.3	150.7	54.5	12.5	5.1	0.0
-20°	407.7	276.3	149.6	55.0	13.2	5.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	400.9	272.1	147.5	55.2	13.8	5.3	0.0
-25°	392.5	265.6	144.4	54.9	14.4	5.4	0.0
-27.5°	382.5	257.4	140.2	54.3	14.8	5.4	0.0
-30°	371.0	248.1	134.9	53.1	15.2	5.5	0.0
-32.5°	357.9	237.8	128.8	51.6	15.5	5.5	0.0
-35°	343.7	226.3	122.0	49.6	15.7	5.5	0.0
-37.5°	328.5	214.8	114.5	47.1	15.8	5.4	0.0
-40°	312.1	204.4	106.3	44.2	15.8	5.4	0.0
-42.5°	294.6	193.2	100.1	41.0	15.8	5.3	0.0
-45°	276.0	181.3	95.8	37.8	15.6	5.2	0.0
-47.5°	256.3	168.7	90.8	34.1	15.3	5.1	0.0
-50°	239.8	155.5	85.1	32.9	14.9	4.9	0.0
-52.5°	223.4	141.6	78.6	32.2	14.4	4.7	0.0
-55°	206.3	131.1	71.4	31.2	13.9	4.5	0.0
-57.5°	188.5	120.4	63.5	29.9	13.2	4.3	0.0
-60°	170.5	108.8	55.3	28.2	12.5	4.1	0.0
-62.5°	154.0	96.2	51.3	26.2	11.7	3.8	0.0
-65°	136.4	82.8	46.9	23.9	10.9	3.5	0.0
-67.5°	117.7	71.6	41.9	21.3	10.0	3.2	0.0
-70°	97.9	62.7	36.4	18.5	9.0	2.9	0.0
-72.5°	82.8	53.0	30.6	16.3	8.0	2.6	0.0
-75°	67.7	42.8	24.3	14.2	7.0	2.2	0.0
-77.5°	51.8	32.1	20.1	11.9	5.9	1.9	0.0
-80°	35.4	24.5	16.2	9.6	4.7	1.5	0.0
-82.5°	26.0	18.5	12.3	7.3	3.6	1.1	0.0
-85°	17.4	12.4	8.2	4.9	2.4	0.8	0.0
-87.5°	8.7	6.2	4.1	2.5	1.2	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)