

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2D-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2D-722-U-LAM-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

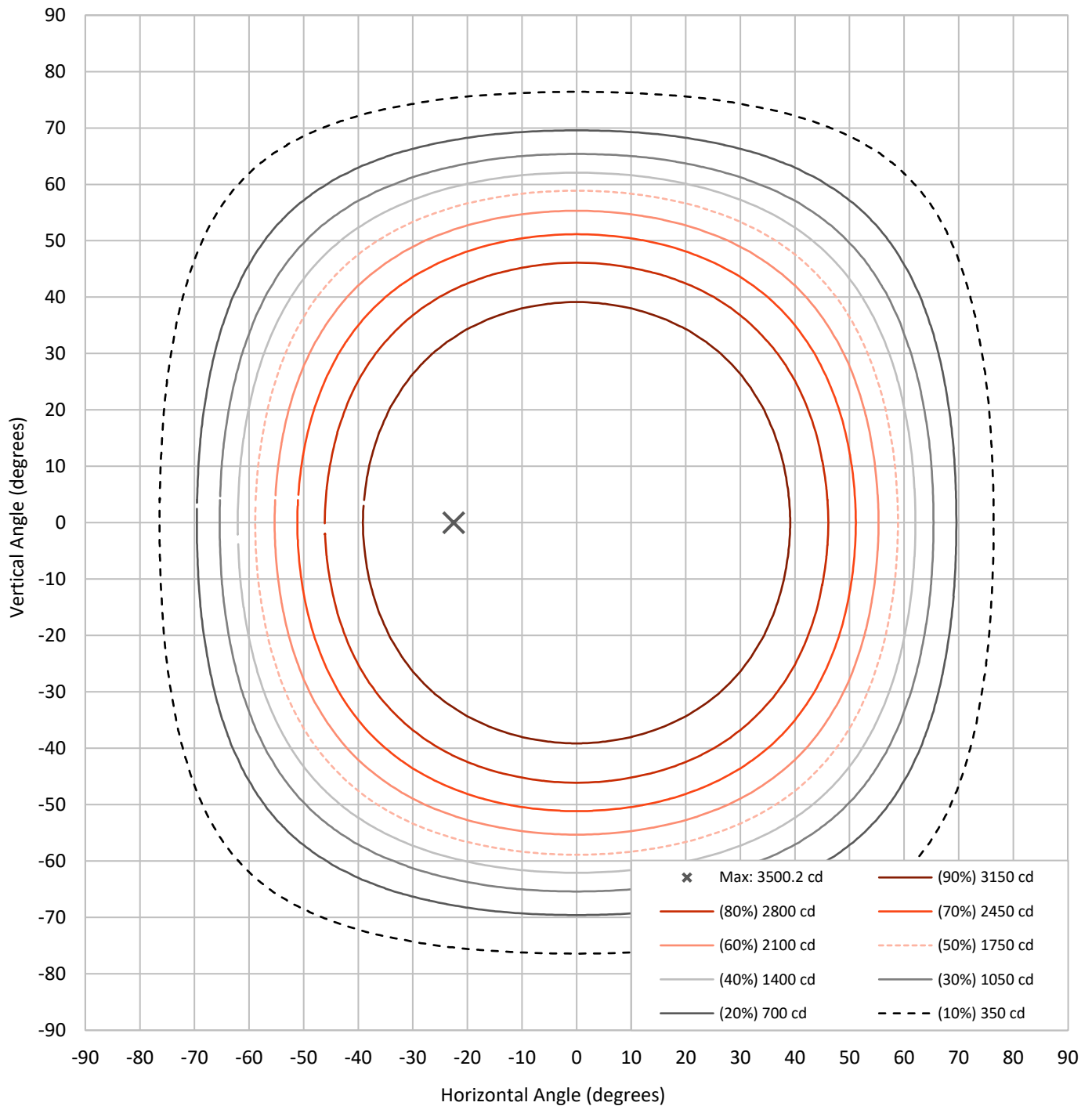
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10707.4 lumens	Max Intensity:	3500.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	98.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	8910.9 lumens	Field Lumens:	10496.8 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	108.7		
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		



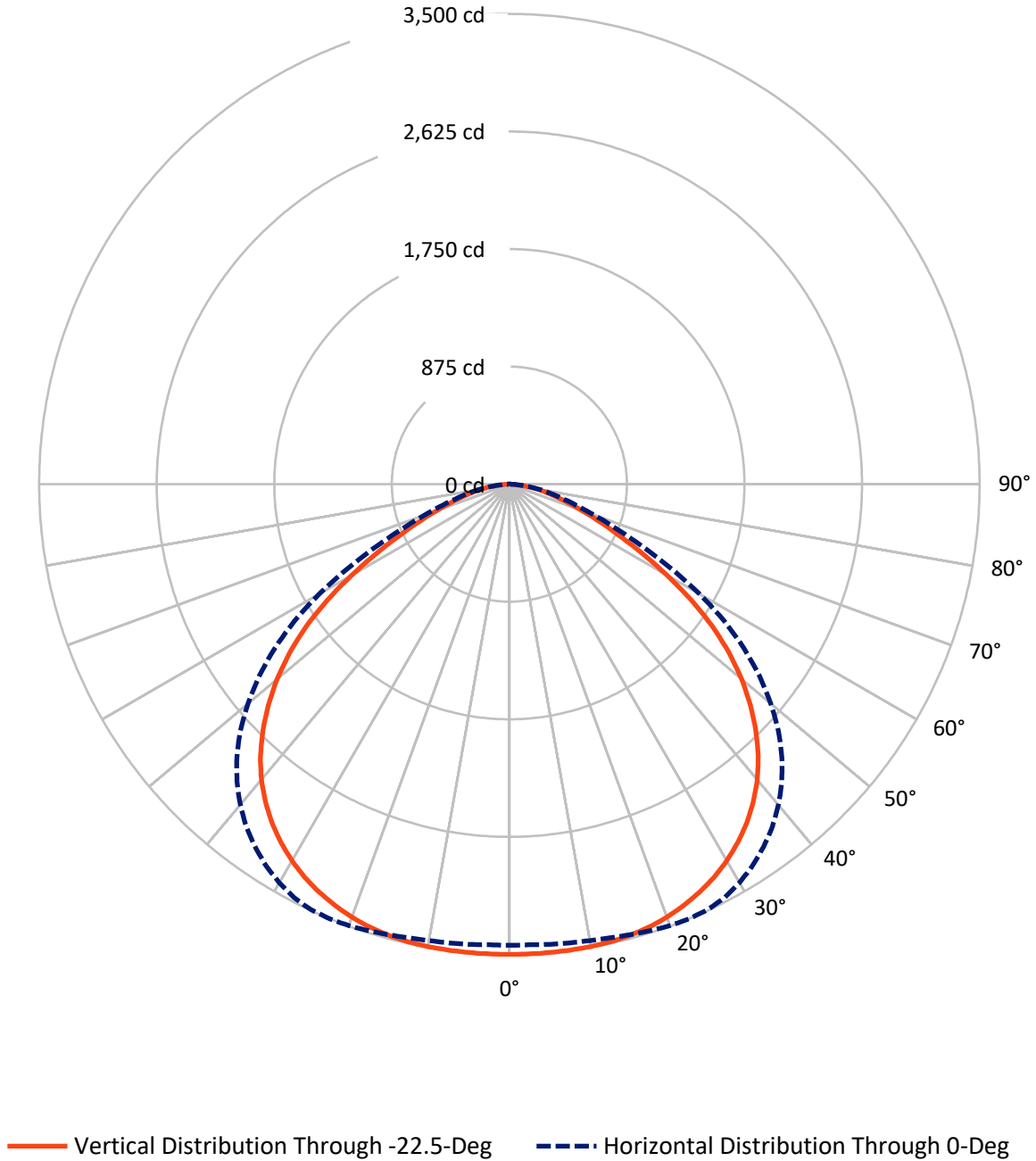
REPORT NUMBER: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-722-U-LAM-XX

Iso-Candela Plot



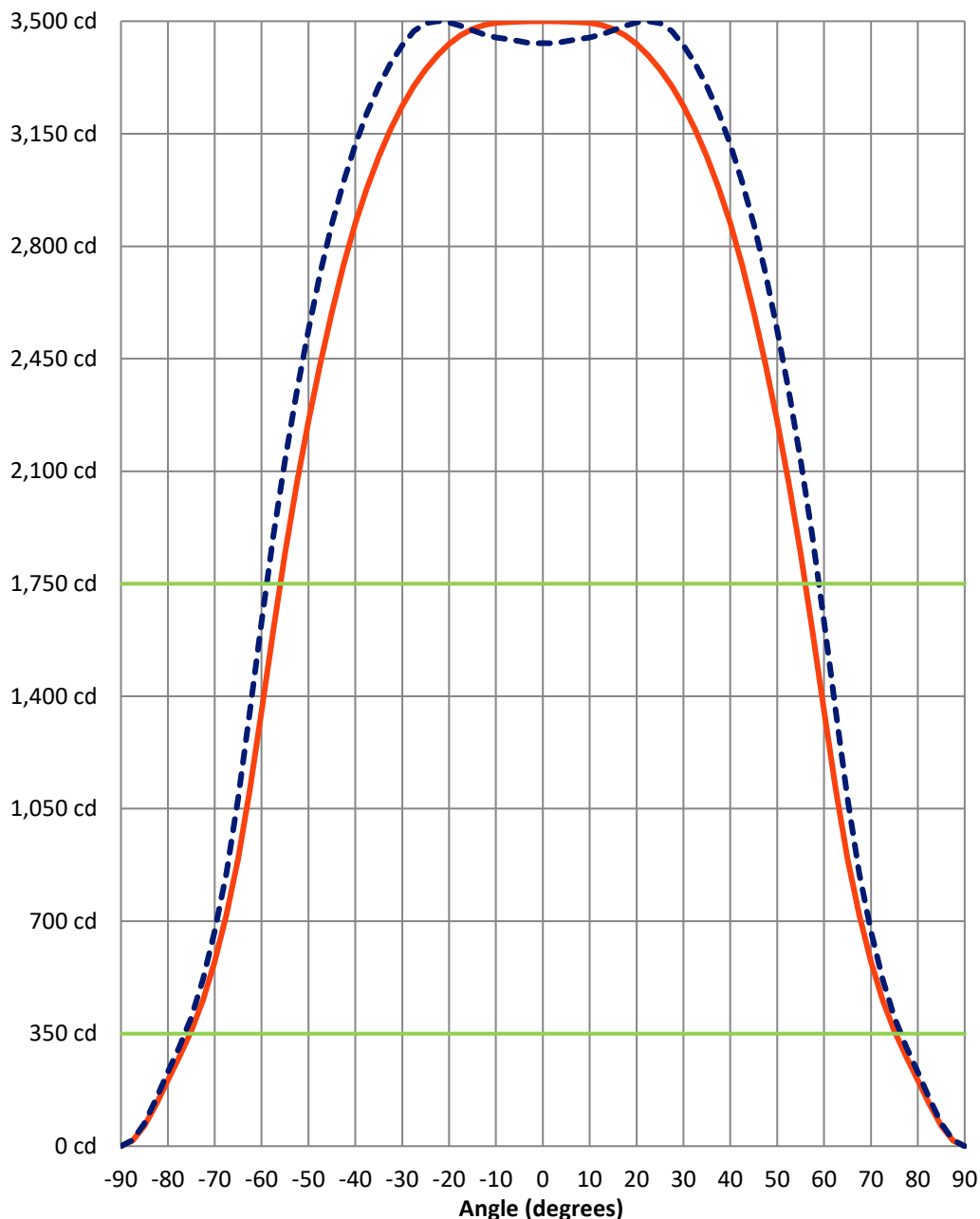
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 8910.9
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 10496.8
 Efficiency: 98.0%

Spill:
 Lumens: 210.6
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-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	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.1
85°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
82.5°	0.0	2.5	5.0	7.5	9.9	12.4	14.8	17.2	20.3	26.7	32.9
80°	0.0	3.3	6.6	9.9	13.2	16.5	20.7	29.4	38.0	46.4	54.7
77.5°	0.0	4.1	8.3	12.4	16.5	23.0	33.9	44.8	55.5	66.0	78.7
75°	0.0	4.9	9.9	14.8	20.7	33.9	47.0	60.0	73.6	92.0	110.1
72.5°	0.0	5.7	11.5	17.2	29.4	44.8	60.0	76.9	98.6	120.0	141.1
70°	0.0	6.5	13.1	20.3	38.0	55.5	73.6	98.6	123.3	147.8	174.2
67.5°	0.0	7.3	14.6	26.7	46.4	66.0	92.0	120.0	147.8	177.8	207.4
65°	0.0	8.1	16.1	32.9	54.7	78.7	110.1	141.1	174.2	207.4	239.7
62.5°	0.0	8.8	17.6	39.0	62.8	93.5	127.8	163.2	200.0	236.2	270.4
60°	0.0	9.5	19.1	45.0	70.8	108.0	145.1	185.4	225.4	263.4	300.6
57.5°	0.0	10.3	22.9	50.8	81.9	122.2	163.6	207.1	249.3	290.0	332.8
55°	0.0	11.0	26.7	56.5	92.9	135.9	181.7	228.2	272.4	316.7	365.5
52.5°	0.0	11.6	30.4	62.0	103.6	149.5	199.3	248.0	294.8	345.3	397.3
50°	0.0	12.3	33.9	67.3	114.0	163.7	216.4	267.0	317.4	373.1	436.8
47.5°	0.0	12.9	37.3	73.0	123.9	177.4	232.7	285.4	341.3	400.0	476.1
45°	0.0	13.5	40.6	80.2	133.5	190.6	247.9	303.1	364.3	433.8	514.0
42.5°	0.0	14.1	43.8	87.1	142.7	203.2	262.4	321.4	386.3	466.5	558.6
40°	0.0	14.6	46.8	93.6	151.9	215.3	276.3	339.8	409.6	497.8	602.7
37.5°	0.0	15.2	49.6	99.9	161.1	226.7	289.4	357.3	435.9	529.8	644.8
35°	0.0	15.6	52.3	105.7	169.7	237.3	301.9	373.8	460.9	565.5	687.7
32.5°	0.0	16.1	54.8	111.3	177.8	247.0	314.1	389.4	484.4	599.1	732.9
30°	0.0	16.5	57.2	116.5	185.4	256.1	326.6	405.1	506.5	630.6	775.2
27.5°	0.0	16.9	59.4	121.2	192.5	264.6	338.1	422.9	528.9	660.0	814.6
25°	0.0	17.3	61.4	125.7	199.0	272.3	348.8	439.3	552.8	690.5	851.4
22.5°	0.0	17.6	63.3	129.7	204.9	279.4	358.5	454.2	574.6	720.1	894.3
20°	0.0	17.9	64.9	133.3	210.2	285.8	367.2	467.7	594.2	746.9	933.1
17.5°	0.0	18.2	66.4	136.5	214.9	291.5	374.9	479.7	611.6	770.6	967.6
15°	0.0	18.4	67.6	139.3	219.0	296.4	381.7	490.1	626.8	791.3	997.7
12.5°	0.0	18.6	68.7	141.7	222.5	300.6	387.5	499.0	639.8	809.0	1023.4
10°	0.0	18.8	69.6	143.6	225.4	304.1	392.2	506.3	650.4	823.5	1044.5
7.5°	0.0	18.9	70.3	145.1	227.6	306.7	395.9	512.0	658.7	834.8	1060.9
5°	0.0	19.0	70.8	146.2	229.2	308.7	398.5	516.0	664.6	842.9	1072.7
2.5°	0.0	19.1	71.1	146.9	230.2	309.8	400.1	518.5	668.2	847.8	1079.8
0°	0.0	19.1	71.2	147.1	230.5	310.2	400.6	519.3	669.4	849.4	1082.2
-2.5°	0.0	19.1	71.1	146.9	230.2	309.8	400.1	518.5	668.2	847.8	1079.8
-5°	0.0	19.0	70.8	146.2	229.2	308.7	398.5	516.0	664.6	842.9	1072.7
-7.5°	0.0	18.9	70.3	145.1	227.6	306.7	395.9	512.0	658.7	834.8	1060.9
-10°	0.0	18.8	69.6	143.6	225.4	304.1	392.2	506.3	650.4	823.5	1044.5
-12.5°	0.0	18.6	68.7	141.7	222.5	300.6	387.5	499.0	639.8	809.0	1023.4
-15°	0.0	18.4	67.6	139.3	219.0	296.4	381.7	490.1	626.8	791.3	997.7
-17.5°	0.0	18.2	66.4	136.5	214.9	291.5	374.9	479.7	611.6	770.6	967.6
-20°	0.0	17.9	64.9	133.3	210.2	285.8	367.2	467.7	594.2	746.9	933.1

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CATALOG NUMBER: GFLD-SA2D-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.6	63.3	129.7	204.9	279.4	358.5	454.2	574.6	720.1	894.3
-25°	0.0	17.3	61.4	125.7	199.0	272.3	348.8	439.3	552.8	690.5	851.4
-27.5°	0.0	16.9	59.4	121.2	192.5	264.6	338.1	422.9	528.9	660.0	814.6
-30°	0.0	16.5	57.2	116.5	185.4	256.1	326.6	405.1	506.5	630.6	775.2
-32.5°	0.0	16.1	54.8	111.3	177.8	247.0	314.1	389.4	484.4	599.1	732.9
-35°	0.0	15.6	52.3	105.7	169.7	237.3	301.9	373.8	460.9	565.5	687.7
-37.5°	0.0	15.2	49.6	99.9	161.1	226.7	289.4	357.3	435.9	529.8	644.8
-40°	0.0	14.6	46.8	93.6	151.9	215.3	276.3	339.8	409.6	497.8	602.7
-42.5°	0.0	14.1	43.8	87.1	142.7	203.2	262.4	321.4	386.3	466.5	558.6
-45°	0.0	13.5	40.6	80.2	133.5	190.6	247.9	303.1	364.3	433.8	514.0
-47.5°	0.0	12.9	37.3	73.0	123.9	177.4	232.7	285.4	341.3	400.0	476.1
-50°	0.0	12.3	33.9	67.3	114.0	163.7	216.4	267.0	317.4	373.1	436.8
-52.5°	0.0	11.6	30.4	62.0	103.6	149.5	199.3	248.0	294.8	345.3	397.3
-55°	0.0	11.0	26.7	56.5	92.9	135.9	181.7	228.2	272.4	316.7	365.5
-57.5°	0.0	10.3	22.9	50.8	81.9	122.2	163.6	207.1	249.3	290.0	332.8
-60°	0.0	9.5	19.1	45.0	70.8	108.0	145.1	185.4	225.4	263.4	300.6
-62.5°	0.0	8.8	17.6	39.0	62.8	93.5	127.8	163.2	200.0	236.2	270.4
-65°	0.0	8.1	16.1	32.9	54.7	78.7	110.1	141.1	174.2	207.4	239.7
-67.5°	0.0	7.3	14.6	26.7	46.4	66.0	92.0	120.0	147.8	177.8	207.4
-70°	0.0	6.5	13.1	20.3	38.0	55.5	73.6	98.6	123.3	147.8	174.2
-72.5°	0.0	5.7	11.5	17.2	29.4	44.8	60.0	76.9	98.6	120.0	141.1
-75°	0.0	4.9	9.9	14.8	20.7	33.9	47.0	60.0	73.6	92.0	110.1
-77.5°	0.0	4.1	8.3	12.4	16.5	23.0	33.9	44.8	55.5	66.0	78.7
-80°	0.0	3.3	6.6	9.9	13.2	16.5	20.7	29.4	38.0	46.4	54.7
-82.5°	0.0	2.5	5.0	7.5	9.9	12.4	14.8	17.2	20.3	26.7	32.9
-85°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
-87.5°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.1
-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: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-722-U-LAM-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°	8.8	9.5	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.6	15.2
85°	17.6	19.1	22.9	26.7	30.4	33.9	37.3	40.6	43.8	46.8	49.6
82.5°	39.0	45.0	50.8	56.5	62.0	67.3	73.0	80.2	87.1	93.6	99.9
80°	62.8	70.8	81.9	92.9	103.6	114.0	123.9	133.5	142.7	151.9	161.1
77.5°	93.5	108.0	122.2	135.9	149.5	163.7	177.4	190.6	203.2	215.3	226.7
75°	127.8	145.1	163.6	181.7	199.3	216.4	232.7	247.9	262.4	276.3	289.4
72.5°	163.2	185.4	207.1	228.2	248.0	267.0	285.4	303.1	321.4	339.8	357.3
70°	200.0	225.4	249.3	272.4	294.8	317.4	341.3	364.3	386.3	409.6	435.9
67.5°	236.2	263.4	290.0	316.7	345.3	373.1	400.0	433.8	466.5	497.8	529.8
65°	270.4	300.6	332.8	365.5	397.3	436.8	476.1	514.0	558.6	602.7	644.8
62.5°	304.2	340.9	377.6	417.6	463.5	508.2	559.9	612.8	663.6	720.9	776.6
60°	340.9	381.7	428.3	479.7	532.6	594.2	653.9	720.1	786.9	851.4	930.5
57.5°	377.6	428.3	485.1	546.3	614.9	684.1	761.9	837.1	927.3	1017.5	1107.2
55°	417.6	479.7	546.3	621.8	700.8	787.1	877.3	982.3	1084.0	1197.4	1305.9
52.5°	463.5	532.6	614.9	700.8	795.5	899.3	1015.6	1135.9	1262.7	1385.7	1506.4
50°	508.2	594.2	684.1	787.1	899.3	1026.7	1162.1	1302.2	1440.5	1575.5	1701.9
47.5°	559.9	653.9	761.9	877.3	1015.6	1162.1	1315.4	1468.2	1617.4	1755.8	1888.4
45°	612.8	720.1	837.1	982.3	1135.9	1302.2	1468.2	1631.4	1783.0	1926.0	2051.1
42.5°	663.6	786.9	927.3	1084.0	1262.7	1440.5	1617.4	1783.0	1938.2	2076.0	2201.7
40°	720.9	851.4	1017.5	1197.4	1385.7	1575.5	1755.8	1926.0	2076.0	2213.2	2340.5
37.5°	776.6	930.5	1107.2	1305.9	1506.4	1701.9	1888.4	2051.1	2201.7	2340.5	2462.6
35°	829.6	1005.7	1202.5	1411.1	1621.6	1820.3	2001.8	2167.6	2317.2	2451.9	2576.7
32.5°	888.4	1076.8	1292.7	1512.1	1726.5	1928.9	2108.8	2271.0	2419.7	2556.4	2680.4
30°	949.1	1153.5	1378.3	1607.3	1825.1	2023.0	2202.7	2366.9	2514.4	2649.4	2770.9
27.5°	1005.7	1225.8	1460.0	1693.4	1915.1	2111.3	2288.6	2450.2	2598.6	2734.5	2852.3
25°	1057.9	1292.7	1535.6	1772.3	1990.9	2187.6	2366.4	2527.9	2675.4	2805.9	2920.4
22.5°	1109.5	1354.0	1604.9	1844.6	2060.5	2255.7	2433.0	2594.9	2742.5	2871.8	2981.7
20°	1159.6	1411.1	1666.0	1908.7	2123.7	2317.7	2493.5	2655.1	2798.8	2924.0	3033.4
17.5°	1204.2	1461.9	1719.4	1960.5	2175.7	2370.6	2547.1	2709.2	2849.5	2971.2	3078.0
15°	1243.2	1506.4	1766.2	2005.9	2220.4	2414.5	2591.1	2751.4	2890.7	3011.4	3117.5
12.5°	1276.4	1544.3	1806.1	2044.6	2258.6	2452.1	2628.7	2786.8	2923.8	3042.9	3146.7
10°	1303.7	1575.5	1839.0	2076.5	2290.1	2483.1	2659.8	2816.2	2951.3	3069.0	3171.0
7.5°	1325.0	1599.9	1864.7	2101.5	2314.8	2507.5	2684.2	2839.2	2972.8	3089.6	3190.2
5°	1340.3	1617.4	1883.1	2119.4	2332.6	2525.0	2701.8	2855.8	2988.4	3104.5	3204.1
2.5°	1349.5	1627.9	1894.2	2130.2	2343.2	2535.5	2712.4	2865.8	2997.8	3113.5	3212.5
0°	1352.6	1631.4	1897.9	2133.8	2346.8	2539.0	2715.9	2869.1	3000.9	3116.5	3215.3
-2.5°	1349.5	1627.9	1894.2	2130.2	2343.2	2535.5	2712.4	2865.8	2997.8	3113.5	3212.5
-5°	1340.3	1617.4	1883.1	2119.4	2332.6	2525.0	2701.8	2855.8	2988.4	3104.5	3204.1
-7.5°	1325.0	1599.9	1864.7	2101.5	2314.8	2507.5	2684.2	2839.2	2972.8	3089.6	3190.2
-10°	1303.7	1575.5	1839.0	2076.5	2290.1	2483.1	2659.8	2816.2	2951.3	3069.0	3171.0
-12.5°	1276.4	1544.3	1806.1	2044.6	2258.6	2452.1	2628.7	2786.8	2923.8	3042.9	3146.7
-15°	1243.2	1506.4	1766.2	2005.9	2220.4	2414.5	2591.1	2751.4	2890.7	3011.4	3117.5
-17.5°	1204.2	1461.9	1719.4	1960.5	2175.7	2370.6	2547.1	2709.2	2849.5	2971.2	3078.0
-20°	1159.6	1411.1	1666.0	1908.7	2123.7	2317.7	2493.5	2655.1	2798.8	2924.0	3033.4



REPORT NUMBER: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1109.5	1354.0	1604.9	1844.6	2060.5	2255.7	2433.0	2594.9	2742.5	2871.8	2981.7
-25°	1057.9	1292.7	1535.6	1772.3	1990.9	2187.6	2366.4	2527.9	2675.4	2805.9	2920.4
-27.5°	1005.7	1225.8	1460.0	1693.4	1915.1	2111.3	2288.6	2450.2	2598.6	2734.5	2852.3
-30°	949.1	1153.5	1378.3	1607.3	1825.1	2023.0	2202.7	2366.9	2514.4	2649.4	2770.9
-32.5°	888.4	1076.8	1292.7	1512.1	1726.5	1928.9	2108.8	2271.0	2419.7	2556.4	2680.4
-35°	829.6	1005.7	1202.5	1411.1	1621.6	1820.3	2001.8	2167.6	2317.2	2451.9	2576.7
-37.5°	776.6	930.5	1107.2	1305.9	1506.4	1701.9	1888.4	2051.1	2201.7	2340.5	2462.6
-40°	720.9	851.4	1017.5	1197.4	1385.7	1575.5	1755.8	1926.0	2076.0	2213.2	2340.5
-42.5°	663.6	786.9	927.3	1084.0	1262.7	1440.5	1617.4	1783.0	1938.2	2076.0	2201.7
-45°	612.8	720.1	837.1	982.3	1135.9	1302.2	1468.2	1631.4	1783.0	1926.0	2051.1
-47.5°	559.9	653.9	761.9	877.3	1015.6	1162.1	1315.4	1468.2	1617.4	1755.8	1888.4
-50°	508.2	594.2	684.1	787.1	899.3	1026.7	1162.1	1302.2	1440.5	1575.5	1701.9
-52.5°	463.5	532.6	614.9	700.8	795.5	899.3	1015.6	1135.9	1262.7	1385.7	1506.4
-55°	417.6	479.7	546.3	621.8	700.8	787.1	877.3	982.3	1084.0	1197.4	1305.9
-57.5°	377.6	428.3	485.1	546.3	614.9	684.1	761.9	837.1	927.3	1017.5	1107.2
-60°	340.9	381.7	428.3	479.7	532.6	594.2	653.9	720.1	786.9	851.4	930.5
-62.5°	304.2	340.9	377.6	417.6	463.5	508.2	559.9	612.8	663.6	720.9	776.6
-65°	270.4	300.6	332.8	365.5	397.3	436.8	476.1	514.0	558.6	602.7	644.8
-67.5°	236.2	263.4	290.0	316.7	345.3	373.1	400.0	433.8	466.5	497.8	529.8
-70°	200.0	225.4	249.3	272.4	294.8	317.4	341.3	364.3	386.3	409.6	435.9
-72.5°	163.2	185.4	207.1	228.2	248.0	267.0	285.4	303.1	321.4	339.8	357.3
-75°	127.8	145.1	163.6	181.7	199.3	216.4	232.7	247.9	262.4	276.3	289.4
-77.5°	93.5	108.0	122.2	135.9	149.5	163.7	177.4	190.6	203.2	215.3	226.7
-80°	62.8	70.8	81.9	92.9	103.6	114.0	123.9	133.5	142.7	151.9	161.1
-82.5°	39.0	45.0	50.8	56.5	62.0	67.3	73.0	80.2	87.1	93.6	99.9
-85°	17.6	19.1	22.9	26.7	30.4	33.9	37.3	40.6	43.8	46.8	49.6
-87.5°	8.8	9.5	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.6	15.2
-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: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-722-U-LAM-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°	15.6	16.1	16.5	16.9	17.3	17.6	17.9	18.2	18.4	18.6	18.8
85°	52.3	54.8	57.2	59.4	61.4	63.3	64.9	66.4	67.6	68.7	69.6
82.5°	105.7	111.3	116.5	121.2	125.7	129.7	133.3	136.5	139.3	141.7	143.6
80°	169.7	177.8	185.4	192.5	199.0	204.9	210.2	214.9	219.0	222.5	225.4
77.5°	237.3	247.0	256.1	264.6	272.3	279.4	285.8	291.5	296.4	300.6	304.1
75°	301.9	314.1	326.6	338.1	348.8	358.5	367.2	374.9	381.7	387.5	392.2
72.5°	373.8	389.4	405.1	422.9	439.3	454.2	467.7	479.7	490.1	499.0	506.3
70°	460.9	484.4	506.5	528.9	552.8	574.6	594.2	611.6	626.8	639.8	650.4
67.5°	565.5	599.1	630.6	660.0	690.5	720.1	746.9	770.6	791.3	809.0	823.5
65°	687.7	732.9	775.2	814.6	851.4	894.3	933.1	967.6	997.7	1023.4	1044.5
62.5°	829.6	888.4	949.1	1005.7	1057.9	1109.5	1159.6	1204.2	1243.2	1276.4	1303.7
60°	1005.7	1076.8	1153.5	1225.8	1292.7	1354.0	1411.1	1461.9	1506.4	1544.3	1575.5
57.5°	1202.5	1292.7	1378.3	1460.0	1535.6	1604.9	1666.0	1719.4	1766.2	1806.1	1839.0
55°	1411.1	1512.1	1607.3	1693.4	1772.3	1844.6	1908.7	1960.5	2005.9	2044.6	2076.5
52.5°	1621.6	1726.5	1825.1	1915.1	1990.9	2060.5	2123.7	2175.7	2220.4	2258.6	2290.1
50°	1820.3	1928.9	2023.0	2111.3	2187.6	2255.7	2317.7	2370.6	2414.5	2452.1	2483.1
47.5°	2001.8	2108.8	2202.7	2288.6	2366.4	2433.0	2493.5	2547.1	2591.1	2628.7	2659.8
45°	2167.6	2271.0	2366.9	2450.2	2527.9	2594.9	2655.1	2709.2	2751.4	2786.8	2816.2
42.5°	2317.2	2419.7	2514.4	2598.6	2675.4	2742.5	2798.8	2849.5	2890.7	2923.8	2951.3
40°	2451.9	2556.4	2649.4	2734.5	2805.9	2871.8	2924.0	2971.2	3011.4	3042.9	3069.0
37.5°	2576.7	2680.4	2770.9	2852.3	2920.4	2981.7	3033.4	3078.0	3117.5	3146.7	3171.0
35°	2690.8	2789.4	2878.9	2953.5	3021.1	3078.7	3129.6	3170.8	3207.5	3235.3	3257.5
32.5°	2789.4	2887.1	2970.3	3043.7	3109.6	3163.4	3212.2	3250.0	3283.2	3310.0	3330.7
30°	2878.9	2970.3	3051.3	3124.0	3184.1	3236.5	3280.4	3317.3	3348.0	3373.6	3391.7
27.5°	2953.5	3043.7	3124.0	3191.0	3248.5	3299.0	3339.2	3374.7	3401.6	3425.1	3440.7
25°	3021.1	3109.6	3184.1	3248.5	3304.3	3350.4	3388.7	3420.9	3444.7	3464.8	3476.4
22.5°	3078.7	3163.4	3236.5	3299.0	3350.4	3393.5	3429.6	3456.8	3476.2	3488.4	3495.3
20°	3129.6	3212.2	3280.4	3339.2	3388.7	3429.6	3460.9	3481.0	3494.6	3497.9	3499.8
17.5°	3170.8	3250.0	3317.3	3374.7	3420.9	3456.8	3481.0	3495.2	3499.2	3498.5	3496.5
15°	3207.5	3283.2	3348.0	3401.6	3444.7	3476.2	3494.6	3499.2	3498.1	3494.0	3487.7
12.5°	3235.3	3310.0	3373.6	3425.1	3464.8	3488.4	3497.9	3498.5	3494.0	3486.2	3477.2
10°	3257.5	3330.7	3391.7	3440.7	3476.4	3495.3	3499.8	3496.5	3487.7	3477.2	3467.3
7.5°	3275.0	3347.0	3406.2	3453.1	3484.0	3497.4	3498.4	3492.1	3481.5	3469.5	3458.8
5°	3287.7	3358.9	3416.7	3462.2	3489.6	3498.9	3497.3	3488.6	3476.3	3463.8	3454.0
2.5°	3295.4	3366.1	3423.1	3467.7	3493.0	3499.9	3496.6	3486.4	3473.0	3460.2	3450.8
0°	3298.0	3368.5	3425.2	3469.6	3494.1	3500.2	3496.4	3485.7	3471.9	3458.9	3449.7
-2.5°	3295.4	3366.1	3423.1	3467.7	3493.0	3499.9	3496.6	3486.4	3473.0	3460.2	3450.8
-5°	3287.7	3358.9	3416.7	3462.2	3489.6	3498.9	3497.3	3488.6	3476.3	3463.8	3454.0
-7.5°	3275.0	3347.0	3406.2	3453.1	3484.0	3497.4	3498.4	3492.1	3481.5	3469.5	3458.8
-10°	3257.5	3330.7	3391.7	3440.7	3476.4	3495.3	3499.8	3496.5	3487.7	3477.2	3467.3
-12.5°	3235.3	3310.0	3373.6	3425.1	3464.8	3488.4	3497.9	3498.5	3494.0	3486.2	3477.2
-15°	3207.5	3283.2	3348.0	3401.6	3444.7	3476.2	3494.6	3499.2	3498.1	3494.0	3487.7
-17.5°	3170.8	3250.0	3317.3	3374.7	3420.9	3456.8	3481.0	3495.2	3499.2	3498.5	3496.5
-20°	3129.6	3212.2	3280.4	3339.2	3388.7	3429.6	3460.9	3481.0	3494.6	3497.9	3499.8



REPORT NUMBER: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3078.7	3163.4	3236.5	3299.0	3350.4	3393.5	3429.6	3456.8	3476.2	3488.4	3495.3
-25°	3021.1	3109.6	3184.1	3248.5	3304.3	3350.4	3388.7	3420.9	3444.7	3464.8	3476.4
-27.5°	2953.5	3043.7	3124.0	3191.0	3248.5	3299.0	3339.2	3374.7	3401.6	3425.1	3440.7
-30°	2878.9	2970.3	3051.3	3124.0	3184.1	3236.5	3280.4	3317.3	3348.0	3373.6	3391.7
-32.5°	2789.4	2887.1	2970.3	3043.7	3109.6	3163.4	3212.2	3250.0	3283.2	3310.0	3330.7
-35°	2690.8	2789.4	2878.9	2953.5	3021.1	3078.7	3129.6	3170.8	3207.5	3235.3	3257.5
-37.5°	2576.7	2680.4	2770.9	2852.3	2920.4	2981.7	3033.4	3078.0	3117.5	3146.7	3171.0
-40°	2451.9	2556.4	2649.4	2734.5	2805.9	2871.8	2924.0	2971.2	3011.4	3042.9	3069.0
-42.5°	2317.2	2419.7	2514.4	2598.6	2675.4	2742.5	2798.8	2849.5	2890.7	2923.8	2951.3
-45°	2167.6	2271.0	2366.9	2450.2	2527.9	2594.9	2655.1	2709.2	2751.4	2786.8	2816.2
-47.5°	2001.8	2108.8	2202.7	2288.6	2366.4	2433.0	2493.5	2547.1	2591.1	2628.7	2659.8
-50°	1820.3	1928.9	2023.0	2111.3	2187.6	2255.7	2317.7	2370.6	2414.5	2452.1	2483.1
-52.5°	1621.6	1726.5	1825.1	1915.1	1990.9	2060.5	2123.7	2175.7	2220.4	2258.6	2290.1
-55°	1411.1	1512.1	1607.3	1693.4	1772.3	1844.6	1908.7	1960.5	2005.9	2044.6	2076.5
-57.5°	1202.5	1292.7	1378.3	1460.0	1535.6	1604.9	1666.0	1719.4	1766.2	1806.1	1839.0
-60°	1005.7	1076.8	1153.5	1225.8	1292.7	1354.0	1411.1	1461.9	1506.4	1544.3	1575.5
-62.5°	829.6	888.4	949.1	1005.7	1057.9	1109.5	1159.6	1204.2	1243.2	1276.4	1303.7
-65°	687.7	732.9	775.2	814.6	851.4	894.3	933.1	967.6	997.7	1023.4	1044.5
-67.5°	565.5	599.1	630.6	660.0	690.5	720.1	746.9	770.6	791.3	809.0	823.5
-70°	460.9	484.4	506.5	528.9	552.8	574.6	594.2	611.6	626.8	639.8	650.4
-72.5°	373.8	389.4	405.1	422.9	439.3	454.2	467.7	479.7	490.1	499.0	506.3
-75°	301.9	314.1	326.6	338.1	348.8	358.5	367.2	374.9	381.7	387.5	392.2
-77.5°	237.3	247.0	256.1	264.6	272.3	279.4	285.8	291.5	296.4	300.6	304.1
-80°	169.7	177.8	185.4	192.5	199.0	204.9	210.2	214.9	219.0	222.5	225.4
-82.5°	105.7	111.3	116.5	121.2	125.7	129.7	133.3	136.5	139.3	141.7	143.6
-85°	52.3	54.8	57.2	59.4	61.4	63.3	64.9	66.4	67.6	68.7	69.6
-87.5°	15.6	16.1	16.5	16.9	17.3	17.6	17.9	18.2	18.4	18.6	18.8
-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: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-722-U-LAM-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°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.8	18.6	18.4	18.2
85°	70.3	70.8	71.1	71.2	71.1	70.8	70.3	69.6	68.7	67.6	66.4
82.5°	145.1	146.2	146.9	147.1	146.9	146.2	145.1	143.6	141.7	139.3	136.5
80°	227.6	229.2	230.2	230.5	230.2	229.2	227.6	225.4	222.5	219.0	214.9
77.5°	306.7	308.7	309.8	310.2	309.8	308.7	306.7	304.1	300.6	296.4	291.5
75°	395.9	398.5	400.1	400.6	400.1	398.5	395.9	392.2	387.5	381.7	374.9
72.5°	512.0	516.0	518.5	519.3	518.5	516.0	512.0	506.3	499.0	490.1	479.7
70°	658.7	664.6	668.2	669.4	668.2	664.6	658.7	650.4	639.8	626.8	611.6
67.5°	834.8	842.9	847.8	849.4	847.8	842.9	834.8	823.5	809.0	791.3	770.6
65°	1060.9	1072.7	1079.8	1082.2	1079.8	1072.7	1060.9	1044.5	1023.4	997.7	967.6
62.5°	1325.0	1340.3	1349.5	1352.6	1349.5	1340.3	1325.0	1303.7	1276.4	1243.2	1204.2
60°	1599.9	1617.4	1627.9	1631.4	1627.9	1617.4	1599.9	1575.5	1544.3	1506.4	1461.9
57.5°	1864.7	1883.1	1894.2	1897.9	1894.2	1883.1	1864.7	1839.0	1806.1	1766.2	1719.4
55°	2101.5	2119.4	2130.2	2133.8	2130.2	2119.4	2101.5	2076.5	2044.6	2005.9	1960.5
52.5°	2314.8	2332.6	2343.2	2346.8	2343.2	2332.6	2314.8	2290.1	2258.6	2220.4	2175.7
50°	2507.5	2525.0	2535.5	2539.0	2535.5	2525.0	2507.5	2483.1	2452.1	2414.5	2370.6
47.5°	2684.2	2701.8	2712.4	2715.9	2712.4	2701.8	2684.2	2659.8	2628.7	2591.1	2547.1
45°	2839.2	2855.8	2865.8	2869.1	2865.8	2855.8	2839.2	2816.2	2786.8	2751.4	2709.2
42.5°	2972.8	2988.4	2997.8	3000.9	2997.8	2988.4	2972.8	2951.3	2923.8	2890.7	2849.5
40°	3089.6	3104.5	3113.5	3116.5	3113.5	3104.5	3089.6	3069.0	3042.9	3011.4	2971.2
37.5°	3190.2	3204.1	3212.5	3215.3	3212.5	3204.1	3190.2	3171.0	3146.7	3117.5	3078.0
35°	3275.0	3287.7	3295.4	3298.0	3295.4	3287.7	3275.0	3257.5	3235.3	3207.5	3170.8
32.5°	3347.0	3358.9	3366.1	3368.5	3366.1	3358.9	3347.0	3330.7	3310.0	3283.2	3250.0
30°	3406.2	3416.7	3423.1	3425.2	3423.1	3416.7	3406.2	3391.7	3373.6	3348.0	3317.3
27.5°	3453.1	3462.2	3467.7	3469.6	3467.7	3462.2	3453.1	3440.7	3425.1	3401.6	3374.7
25°	3484.0	3489.6	3493.0	3494.1	3493.0	3489.6	3484.0	3476.4	3464.8	3444.7	3420.9
22.5°	3497.4	3498.9	3499.9	3500.2	3499.9	3498.9	3497.4	3495.3	3488.4	3476.2	3456.8
20°	3498.4	3497.3	3496.6	3496.4	3496.6	3497.3	3498.4	3499.8	3497.9	3494.6	3481.0
17.5°	3492.1	3488.6	3486.4	3485.7	3486.4	3488.6	3492.1	3496.5	3498.5	3499.2	3495.2
15°	3481.5	3476.3	3473.0	3471.9	3473.0	3476.3	3481.5	3487.7	3494.0	3498.1	3499.2
12.5°	3469.5	3463.8	3460.2	3458.9	3460.2	3463.8	3469.5	3477.2	3486.2	3494.0	3498.5
10°	3458.8	3454.0	3450.8	3449.7	3450.8	3454.0	3458.8	3467.3	3477.2	3487.7	3496.5
7.5°	3451.9	3447.6	3445.2	3444.3	3445.2	3447.6	3451.9	3458.8	3469.5	3481.5	3492.1
5°	3447.6	3443.2	3439.6	3438.2	3439.6	3443.2	3447.6	3454.0	3463.8	3476.3	3488.6
2.5°	3445.2	3439.6	3434.2	3431.3	3434.2	3439.6	3445.2	3450.8	3460.2	3473.0	3486.4
0°	3444.3	3438.2	3431.3	3432.1	3431.3	3438.2	3444.3	3449.7	3458.9	3471.9	3485.7
-2.5°	3445.2	3439.6	3434.2	3431.3	3434.2	3439.6	3445.2	3450.8	3460.2	3473.0	3486.4
-5°	3447.6	3443.2	3439.6	3438.2	3439.6	3443.2	3447.6	3454.0	3463.8	3476.3	3488.6
-7.5°	3451.9	3447.6	3445.2	3444.3	3445.2	3447.6	3451.9	3458.8	3469.5	3481.5	3492.1
-10°	3458.8	3454.0	3450.8	3449.7	3450.8	3454.0	3458.8	3467.3	3477.2	3487.7	3496.5
-12.5°	3469.5	3463.8	3460.2	3458.9	3460.2	3463.8	3469.5	3477.2	3486.2	3494.0	3498.5
-15°	3481.5	3476.3	3473.0	3471.9	3473.0	3476.3	3481.5	3487.7	3494.0	3498.1	3499.2
-17.5°	3492.1	3488.6	3486.4	3485.7	3486.4	3488.6	3492.1	3496.5	3498.5	3499.2	3495.2
-20°	3498.4	3497.3	3496.6	3496.4	3496.6	3497.3	3498.4	3499.8	3497.9	3494.6	3481.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3497.4	3498.9	3499.9	3500.2	3499.9	3498.9	3497.4	3495.3	3488.4	3476.2	3456.8
-25°	3484.0	3489.6	3493.0	3494.1	3493.0	3489.6	3484.0	3476.4	3464.8	3444.7	3420.9
-27.5°	3453.1	3462.2	3467.7	3469.6	3467.7	3462.2	3453.1	3440.7	3425.1	3401.6	3374.7
-30°	3406.2	3416.7	3423.1	3425.2	3423.1	3416.7	3406.2	3391.7	3373.6	3348.0	3317.3
-32.5°	3347.0	3358.9	3366.1	3368.5	3366.1	3358.9	3347.0	3330.7	3310.0	3283.2	3250.0
-35°	3275.0	3287.7	3295.4	3298.0	3295.4	3287.7	3275.0	3257.5	3235.3	3207.5	3170.8
-37.5°	3190.2	3204.1	3212.5	3215.3	3212.5	3204.1	3190.2	3171.0	3146.7	3117.5	3078.0
-40°	3089.6	3104.5	3113.5	3116.5	3113.5	3104.5	3089.6	3069.0	3042.9	3011.4	2971.2
-42.5°	2972.8	2988.4	2997.8	3000.9	2997.8	2988.4	2972.8	2951.3	2923.8	2890.7	2849.5
-45°	2839.2	2855.8	2865.8	2869.1	2865.8	2855.8	2839.2	2816.2	2786.8	2751.4	2709.2
-47.5°	2684.2	2701.8	2712.4	2715.9	2712.4	2701.8	2684.2	2659.8	2628.7	2591.1	2547.1
-50°	2507.5	2525.0	2535.5	2539.0	2535.5	2525.0	2507.5	2483.1	2452.1	2414.5	2370.6
-52.5°	2314.8	2332.6	2343.2	2346.8	2343.2	2332.6	2314.8	2290.1	2258.6	2220.4	2175.7
-55°	2101.5	2119.4	2130.2	2133.8	2130.2	2119.4	2101.5	2076.5	2044.6	2005.9	1960.5
-57.5°	1864.7	1883.1	1894.2	1897.9	1894.2	1883.1	1864.7	1839.0	1806.1	1766.2	1719.4
-60°	1599.9	1617.4	1627.9	1631.4	1627.9	1617.4	1599.9	1575.5	1544.3	1506.4	1461.9
-62.5°	1325.0	1340.3	1349.5	1352.6	1349.5	1340.3	1325.0	1303.7	1276.4	1243.2	1204.2
-65°	1060.9	1072.7	1079.8	1082.2	1079.8	1072.7	1060.9	1044.5	1023.4	997.7	967.6
-67.5°	834.8	842.9	847.8	849.4	847.8	842.9	834.8	823.5	809.0	791.3	770.6
-70°	658.7	664.6	668.2	669.4	668.2	664.6	658.7	650.4	639.8	626.8	611.6
-72.5°	512.0	516.0	518.5	519.3	518.5	516.0	512.0	506.3	499.0	490.1	479.7
-75°	395.9	398.5	400.1	400.6	400.1	398.5	395.9	392.2	387.5	381.7	374.9
-77.5°	306.7	308.7	309.8	310.2	309.8	308.7	306.7	304.1	300.6	296.4	291.5
-80°	227.6	229.2	230.2	230.5	230.2	229.2	227.6	225.4	222.5	219.0	214.9
-82.5°	145.1	146.2	146.9	147.1	146.9	146.2	145.1	143.6	141.7	139.3	136.5
-85°	70.3	70.8	71.1	71.2	71.1	70.8	70.3	69.6	68.7	67.6	66.4
-87.5°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.8	18.6	18.4	18.2
-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: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-722-U-LAM-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°	17.9	17.6	17.3	16.9	16.5	16.1	15.6	15.2	14.6	14.1	13.5
85°	64.9	63.3	61.4	59.4	57.2	54.8	52.3	49.6	46.8	43.8	40.6
82.5°	133.3	129.7	125.7	121.2	116.5	111.3	105.7	99.9	93.6	87.1	80.2
80°	210.2	204.9	199.0	192.5	185.4	177.8	169.7	161.1	151.9	142.7	133.5
77.5°	285.8	279.4	272.3	264.6	256.1	247.0	237.3	226.7	215.3	203.2	190.6
75°	367.2	358.5	348.8	338.1	326.6	314.1	301.9	289.4	276.3	262.4	247.9
72.5°	467.7	454.2	439.3	422.9	405.1	389.4	373.8	357.3	339.8	321.4	303.1
70°	594.2	574.6	552.8	528.9	506.5	484.4	460.9	435.9	409.6	386.3	364.3
67.5°	746.9	720.1	690.5	660.0	630.6	599.1	565.5	529.8	497.8	466.5	433.8
65°	933.1	894.3	851.4	814.6	775.2	732.9	687.7	644.8	602.7	558.6	514.0
62.5°	1159.6	1109.5	1057.9	1005.7	949.1	888.4	829.6	776.6	720.9	663.6	612.8
60°	1411.1	1354.0	1292.7	1225.8	1153.5	1076.8	1005.7	930.5	851.4	786.9	720.1
57.5°	1666.0	1604.9	1535.6	1460.0	1378.3	1292.7	1202.5	1107.2	1017.5	927.3	837.1
55°	1908.7	1844.6	1772.3	1693.4	1607.3	1512.1	1411.1	1305.9	1197.4	1084.0	982.3
52.5°	2123.7	2060.5	1990.9	1915.1	1825.1	1726.5	1621.6	1506.4	1385.7	1262.7	1135.9
50°	2317.7	2255.7	2187.6	2111.3	2023.0	1928.9	1820.3	1701.9	1575.5	1440.5	1302.2
47.5°	2493.5	2433.0	2366.4	2288.6	2202.7	2108.8	2001.8	1888.4	1755.8	1617.4	1468.2
45°	2655.1	2594.9	2527.9	2450.2	2366.9	2271.0	2167.6	2051.1	1926.0	1783.0	1631.4
42.5°	2798.8	2742.5	2675.4	2598.6	2514.4	2419.7	2317.2	2201.7	2076.0	1938.2	1783.0
40°	2924.0	2871.8	2805.9	2734.5	2649.4	2556.4	2451.9	2340.5	2213.2	2076.0	1926.0
37.5°	3033.4	2981.7	2920.4	2852.3	2770.9	2680.4	2576.7	2462.6	2340.5	2201.7	2051.1
35°	3129.6	3078.7	3021.1	2953.5	2878.9	2789.4	2690.8	2576.7	2451.9	2317.2	2167.6
32.5°	3212.2	3163.4	3109.6	3043.7	2970.3	2887.1	2789.4	2680.4	2556.4	2419.7	2271.0
30°	3280.4	3236.5	3184.1	3124.0	3051.3	2970.3	2878.9	2770.9	2649.4	2514.4	2366.9
27.5°	3339.2	3299.0	3248.5	3191.0	3124.0	3043.7	2953.5	2852.3	2734.5	2598.6	2450.2
25°	3388.7	3350.4	3304.3	3248.5	3184.1	3109.6	3021.1	2920.4	2805.9	2675.4	2527.9
22.5°	3429.6	3393.5	3350.4	3299.0	3236.5	3163.4	3078.7	2981.7	2871.8	2742.5	2594.9
20°	3460.9	3429.6	3388.7	3339.2	3280.4	3212.2	3129.6	3033.4	2924.0	2798.8	2655.1
17.5°	3481.0	3456.8	3420.9	3374.7	3317.3	3250.0	3170.8	3078.0	2971.2	2849.5	2709.2
15°	3494.6	3476.2	3444.7	3401.6	3348.0	3283.2	3207.5	3117.5	3011.4	2890.7	2751.4
12.5°	3497.9	3488.4	3464.8	3425.1	3373.6	3310.0	3235.3	3146.7	3042.9	2923.8	2786.8
10°	3499.8	3495.3	3476.4	3440.7	3391.7	3330.7	3257.5	3171.0	3069.0	2951.3	2816.2
7.5°	3498.4	3497.4	3484.0	3453.1	3406.2	3347.0	3275.0	3190.2	3089.6	2972.8	2839.2
5°	3497.3	3498.9	3489.6	3462.2	3416.7	3358.9	3287.7	3204.1	3104.5	2988.4	2855.8
2.5°	3496.6	3499.9	3493.0	3467.7	3423.1	3366.1	3295.4	3212.5	3113.5	2997.8	2865.8
0°	3496.4	3500.2	3494.1	3469.6	3425.2	3368.5	3298.0	3215.3	3116.5	3000.9	2869.1
-2.5°	3496.6	3499.9	3493.0	3467.7	3423.1	3366.1	3295.4	3212.5	3113.5	2997.8	2865.8
-5°	3497.3	3498.9	3489.6	3462.2	3416.7	3358.9	3287.7	3204.1	3104.5	2988.4	2855.8
-7.5°	3498.4	3497.4	3484.0	3453.1	3406.2	3347.0	3275.0	3190.2	3089.6	2972.8	2839.2
-10°	3499.8	3495.3	3476.4	3440.7	3391.7	3330.7	3257.5	3171.0	3069.0	2951.3	2816.2
-12.5°	3497.9	3488.4	3464.8	3425.1	3373.6	3310.0	3235.3	3146.7	3042.9	2923.8	2786.8
-15°	3494.6	3476.2	3444.7	3401.6	3348.0	3283.2	3207.5	3117.5	3011.4	2890.7	2751.4
-17.5°	3481.0	3456.8	3420.9	3374.7	3317.3	3250.0	3170.8	3078.0	2971.2	2849.5	2709.2
-20°	3460.9	3429.6	3388.7	3339.2	3280.4	3212.2	3129.6	3033.4	2924.0	2798.8	2655.1



REPORT NUMBER: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3429.6	3393.5	3350.4	3299.0	3236.5	3163.4	3078.7	2981.7	2871.8	2742.5	2594.9
-25°	3388.7	3350.4	3304.3	3248.5	3184.1	3109.6	3021.1	2920.4	2805.9	2675.4	2527.9
-27.5°	3339.2	3299.0	3248.5	3191.0	3124.0	3043.7	2953.5	2852.3	2734.5	2598.6	2450.2
-30°	3280.4	3236.5	3184.1	3124.0	3051.3	2970.3	2878.9	2770.9	2649.4	2514.4	2366.9
-32.5°	3212.2	3163.4	3109.6	3043.7	2970.3	2887.1	2789.4	2680.4	2556.4	2419.7	2271.0
-35°	3129.6	3078.7	3021.1	2953.5	2878.9	2789.4	2690.8	2576.7	2451.9	2317.2	2167.6
-37.5°	3033.4	2981.7	2920.4	2852.3	2770.9	2680.4	2576.7	2462.6	2340.5	2201.7	2051.1
-40°	2924.0	2871.8	2805.9	2734.5	2649.4	2556.4	2451.9	2340.5	2213.2	2076.0	1926.0
-42.5°	2798.8	2742.5	2675.4	2598.6	2514.4	2419.7	2317.2	2201.7	2076.0	1938.2	1783.0
-45°	2655.1	2594.9	2527.9	2450.2	2366.9	2271.0	2167.6	2051.1	1926.0	1783.0	1631.4
-47.5°	2493.5	2433.0	2366.4	2288.6	2202.7	2108.8	2001.8	1888.4	1755.8	1617.4	1468.2
-50°	2317.7	2255.7	2187.6	2111.3	2023.0	1928.9	1820.3	1701.9	1575.5	1440.5	1302.2
-52.5°	2123.7	2060.5	1990.9	1915.1	1825.1	1726.5	1621.6	1506.4	1385.7	1262.7	1135.9
-55°	1908.7	1844.6	1772.3	1693.4	1607.3	1512.1	1411.1	1305.9	1197.4	1084.0	982.3
-57.5°	1666.0	1604.9	1535.6	1460.0	1378.3	1292.7	1202.5	1107.2	1017.5	927.3	837.1
-60°	1411.1	1354.0	1292.7	1225.8	1153.5	1076.8	1005.7	930.5	851.4	786.9	720.1
-62.5°	1159.6	1109.5	1057.9	1005.7	949.1	888.4	829.6	776.6	720.9	663.6	612.8
-65°	933.1	894.3	851.4	814.6	775.2	732.9	687.7	644.8	602.7	558.6	514.0
-67.5°	746.9	720.1	690.5	660.0	630.6	599.1	565.5	529.8	497.8	466.5	433.8
-70°	594.2	574.6	552.8	528.9	506.5	484.4	460.9	435.9	409.6	386.3	364.3
-72.5°	467.7	454.2	439.3	422.9	405.1	389.4	373.8	357.3	339.8	321.4	303.1
-75°	367.2	358.5	348.8	338.1	326.6	314.1	301.9	289.4	276.3	262.4	247.9
-77.5°	285.8	279.4	272.3	264.6	256.1	247.0	237.3	226.7	215.3	203.2	190.6
-80°	210.2	204.9	199.0	192.5	185.4	177.8	169.7	161.1	151.9	142.7	133.5
-82.5°	133.3	129.7	125.7	121.2	116.5	111.3	105.7	99.9	93.6	87.1	80.2
-85°	64.9	63.3	61.4	59.4	57.2	54.8	52.3	49.6	46.8	43.8	40.6
-87.5°	17.9	17.6	17.3	16.9	16.5	16.1	15.6	15.2	14.6	14.1	13.5
-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: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-722-U-LAM-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°	12.9	12.3	11.6	11.0	10.3	9.5	8.8	8.1	7.3	6.5	5.7
85°	37.3	33.9	30.4	26.7	22.9	19.1	17.6	16.1	14.6	13.1	11.5
82.5°	73.0	67.3	62.0	56.5	50.8	45.0	39.0	32.9	26.7	20.3	17.2
80°	123.9	114.0	103.6	92.9	81.9	70.8	62.8	54.7	46.4	38.0	29.4
77.5°	177.4	163.7	149.5	135.9	122.2	108.0	93.5	78.7	66.0	55.5	44.8
75°	232.7	216.4	199.3	181.7	163.6	145.1	127.8	110.1	92.0	73.6	60.0
72.5°	285.4	267.0	248.0	228.2	207.1	185.4	163.2	141.1	120.0	98.6	76.9
70°	341.3	317.4	294.8	272.4	249.3	225.4	200.0	174.2	147.8	123.3	98.6
67.5°	400.0	373.1	345.3	316.7	290.0	263.4	236.2	207.4	177.8	147.8	120.0
65°	476.1	436.8	397.3	365.5	332.8	300.6	270.4	239.7	207.4	174.2	141.1
62.5°	559.9	508.2	463.5	417.6	377.6	340.9	304.2	270.4	236.2	200.0	163.2
60°	653.9	594.2	532.6	479.7	428.3	381.7	340.9	300.6	263.4	225.4	185.4
57.5°	761.9	684.1	614.9	546.3	485.1	428.3	377.6	332.8	290.0	249.3	207.1
55°	877.3	787.1	700.8	621.8	546.3	479.7	417.6	365.5	316.7	272.4	228.2
52.5°	1015.6	899.3	795.5	700.8	614.9	532.6	463.5	397.3	345.3	294.8	248.0
50°	1162.1	1026.7	899.3	787.1	684.1	594.2	508.2	436.8	373.1	317.4	267.0
47.5°	1315.4	1162.1	1015.6	877.3	761.9	653.9	559.9	476.1	400.0	341.3	285.4
45°	1468.2	1302.2	1135.9	982.3	837.1	720.1	612.8	514.0	433.8	364.3	303.1
42.5°	1617.4	1440.5	1262.7	1084.0	927.3	786.9	663.6	558.6	466.5	386.3	321.4
40°	1755.8	1575.5	1385.7	1197.4	1017.5	851.4	720.9	602.7	497.8	409.6	339.8
37.5°	1888.4	1701.9	1506.4	1305.9	1107.2	930.5	776.6	644.8	529.8	435.9	357.3
35°	2001.8	1820.3	1621.6	1411.1	1202.5	1005.7	829.6	687.7	565.5	460.9	373.8
32.5°	2108.8	1928.9	1726.5	1512.1	1292.7	1076.8	888.4	732.9	599.1	484.4	389.4
30°	2202.7	2023.0	1825.1	1607.3	1378.3	1153.5	949.1	775.2	630.6	506.5	405.1
27.5°	2288.6	2111.3	1915.1	1693.4	1460.0	1225.8	1005.7	814.6	660.0	528.9	422.9
25°	2366.4	2187.6	1990.9	1772.3	1535.6	1292.7	1057.9	851.4	690.5	552.8	439.3
22.5°	2433.0	2255.7	2060.5	1844.6	1604.9	1354.0	1109.5	894.3	720.1	574.6	454.2
20°	2493.5	2317.7	2123.7	1908.7	1666.0	1411.1	1159.6	933.1	746.9	594.2	467.7
17.5°	2547.1	2370.6	2175.7	1960.5	1719.4	1461.9	1204.2	967.6	770.6	611.6	479.7
15°	2591.1	2414.5	2220.4	2005.9	1766.2	1506.4	1243.2	997.7	791.3	626.8	490.1
12.5°	2628.7	2452.1	2258.6	2044.6	1806.1	1544.3	1276.4	1023.4	809.0	639.8	499.0
10°	2659.8	2483.1	2290.1	2076.5	1839.0	1575.5	1303.7	1044.5	823.5	650.4	506.3
7.5°	2684.2	2507.5	2314.8	2101.5	1864.7	1599.9	1325.0	1060.9	834.8	658.7	512.0
5°	2701.8	2525.0	2332.6	2119.4	1883.1	1617.4	1340.3	1072.7	842.9	664.6	516.0
2.5°	2712.4	2535.5	2343.2	2130.2	1894.2	1627.9	1349.5	1079.8	847.8	668.2	518.5
0°	2715.9	2539.0	2346.8	2133.8	1897.9	1631.4	1352.6	1082.2	849.4	669.4	519.3
-2.5°	2712.4	2535.5	2343.2	2130.2	1894.2	1627.9	1349.5	1079.8	847.8	668.2	518.5
-5°	2701.8	2525.0	2332.6	2119.4	1883.1	1617.4	1340.3	1072.7	842.9	664.6	516.0
-7.5°	2684.2	2507.5	2314.8	2101.5	1864.7	1599.9	1325.0	1060.9	834.8	658.7	512.0
-10°	2659.8	2483.1	2290.1	2076.5	1839.0	1575.5	1303.7	1044.5	823.5	650.4	506.3
-12.5°	2628.7	2452.1	2258.6	2044.6	1806.1	1544.3	1276.4	1023.4	809.0	639.8	499.0
-15°	2591.1	2414.5	2220.4	2005.9	1766.2	1506.4	1243.2	997.7	791.3	626.8	490.1
-17.5°	2547.1	2370.6	2175.7	1960.5	1719.4	1461.9	1204.2	967.6	770.6	611.6	479.7
-20°	2493.5	2317.7	2123.7	1908.7	1666.0	1411.1	1159.6	933.1	746.9	594.2	467.7



REPORT NUMBER: P645380 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	2433.0	2255.7	2060.5	1844.6	1604.9	1354.0	1109.5	894.3	720.1	574.6	454.2
-25°	2366.4	2187.6	1990.9	1772.3	1535.6	1292.7	1057.9	851.4	690.5	552.8	439.3
-27.5°	2288.6	2111.3	1915.1	1693.4	1460.0	1225.8	1005.7	814.6	660.0	528.9	422.9
-30°	2202.7	2023.0	1825.1	1607.3	1378.3	1153.5	949.1	775.2	630.6	506.5	405.1
-32.5°	2108.8	1928.9	1726.5	1512.1	1292.7	1076.8	888.4	732.9	599.1	484.4	389.4
-35°	2001.8	1820.3	1621.6	1411.1	1202.5	1005.7	829.6	687.7	565.5	460.9	373.8
-37.5°	1888.4	1701.9	1506.4	1305.9	1107.2	930.5	776.6	644.8	529.8	435.9	357.3
-40°	1755.8	1575.5	1385.7	1197.4	1017.5	851.4	720.9	602.7	497.8	409.6	339.8
-42.5°	1617.4	1440.5	1262.7	1084.0	927.3	786.9	663.6	558.6	466.5	386.3	321.4
-45°	1468.2	1302.2	1135.9	982.3	837.1	720.1	612.8	514.0	433.8	364.3	303.1
-47.5°	1315.4	1162.1	1015.6	877.3	761.9	653.9	559.9	476.1	400.0	341.3	285.4
-50°	1162.1	1026.7	899.3	787.1	684.1	594.2	508.2	436.8	373.1	317.4	267.0
-52.5°	1015.6	899.3	795.5	700.8	614.9	532.6	463.5	397.3	345.3	294.8	248.0
-55°	877.3	787.1	700.8	621.8	546.3	479.7	417.6	365.5	316.7	272.4	228.2
-57.5°	761.9	684.1	614.9	546.3	485.1	428.3	377.6	332.8	290.0	249.3	207.1
-60°	653.9	594.2	532.6	479.7	428.3	381.7	340.9	300.6	263.4	225.4	185.4
-62.5°	559.9	508.2	463.5	417.6	377.6	340.9	304.2	270.4	236.2	200.0	163.2
-65°	476.1	436.8	397.3	365.5	332.8	300.6	270.4	239.7	207.4	174.2	141.1
-67.5°	400.0	373.1	345.3	316.7	290.0	263.4	236.2	207.4	177.8	147.8	120.0
-70°	341.3	317.4	294.8	272.4	249.3	225.4	200.0	174.2	147.8	123.3	98.6
-72.5°	285.4	267.0	248.0	228.2	207.1	185.4	163.2	141.1	120.0	98.6	76.9
-75°	232.7	216.4	199.3	181.7	163.6	145.1	127.8	110.1	92.0	73.6	60.0
-77.5°	177.4	163.7	149.5	135.9	122.2	108.0	93.5	78.7	66.0	55.5	44.8
-80°	123.9	114.0	103.6	92.9	81.9	70.8	62.8	54.7	46.4	38.0	29.4
-82.5°	73.0	67.3	62.0	56.5	50.8	45.0	39.0	32.9	26.7	20.3	17.2
-85°	37.3	33.9	30.4	26.7	22.9	19.1	17.6	16.1	14.6	13.1	11.5
-87.5°	12.9	12.3	11.6	11.0	10.3	9.5	8.8	8.1	7.3	6.5	5.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
85°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
82.5°	14.8	12.4	9.9	7.5	5.0	2.5	0.0
80°	20.7	16.5	13.2	9.9	6.6	3.3	0.0
77.5°	33.9	23.0	16.5	12.4	8.3	4.1	0.0
75°	47.0	33.9	20.7	14.8	9.9	4.9	0.0
72.5°	60.0	44.8	29.4	17.2	11.5	5.7	0.0
70°	73.6	55.5	38.0	20.3	13.1	6.5	0.0
67.5°	92.0	66.0	46.4	26.7	14.6	7.3	0.0
65°	110.1	78.7	54.7	32.9	16.1	8.1	0.0
62.5°	127.8	93.5	62.8	39.0	17.6	8.8	0.0
60°	145.1	108.0	70.8	45.0	19.1	9.5	0.0
57.5°	163.6	122.2	81.9	50.8	22.9	10.3	0.0
55°	181.7	135.9	92.9	56.5	26.7	11.0	0.0
52.5°	199.3	149.5	103.6	62.0	30.4	11.6	0.0
50°	216.4	163.7	114.0	67.3	33.9	12.3	0.0
47.5°	232.7	177.4	123.9	73.0	37.3	12.9	0.0
45°	247.9	190.6	133.5	80.2	40.6	13.5	0.0
42.5°	262.4	203.2	142.7	87.1	43.8	14.1	0.0
40°	276.3	215.3	151.9	93.6	46.8	14.6	0.0
37.5°	289.4	226.7	161.1	99.9	49.6	15.2	0.0
35°	301.9	237.3	169.7	105.7	52.3	15.6	0.0
32.5°	314.1	247.0	177.8	111.3	54.8	16.1	0.0
30°	326.6	256.1	185.4	116.5	57.2	16.5	0.0
27.5°	338.1	264.6	192.5	121.2	59.4	16.9	0.0
25°	348.8	272.3	199.0	125.7	61.4	17.3	0.0
22.5°	358.5	279.4	204.9	129.7	63.3	17.6	0.0
20°	367.2	285.8	210.2	133.3	64.9	17.9	0.0
17.5°	374.9	291.5	214.9	136.5	66.4	18.2	0.0
15°	381.7	296.4	219.0	139.3	67.6	18.4	0.0
12.5°	387.5	300.6	222.5	141.7	68.7	18.6	0.0
10°	392.2	304.1	225.4	143.6	69.6	18.8	0.0
7.5°	395.9	306.7	227.6	145.1	70.3	18.9	0.0
5°	398.5	308.7	229.2	146.2	70.8	19.0	0.0
2.5°	400.1	309.8	230.2	146.9	71.1	19.1	0.0
0°	400.6	310.2	230.5	147.1	71.2	19.1	0.0
-2.5°	400.1	309.8	230.2	146.9	71.1	19.1	0.0
-5°	398.5	308.7	229.2	146.2	70.8	19.0	0.0
-7.5°	395.9	306.7	227.6	145.1	70.3	18.9	0.0
-10°	392.2	304.1	225.4	143.6	69.6	18.8	0.0
-12.5°	387.5	300.6	222.5	141.7	68.7	18.6	0.0
-15°	381.7	296.4	219.0	139.3	67.6	18.4	0.0
-17.5°	374.9	291.5	214.9	136.5	66.4	18.2	0.0
-20°	367.2	285.8	210.2	133.3	64.9	17.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	358.5	279.4	204.9	129.7	63.3	17.6	0.0
-25°	348.8	272.3	199.0	125.7	61.4	17.3	0.0
-27.5°	338.1	264.6	192.5	121.2	59.4	16.9	0.0
-30°	326.6	256.1	185.4	116.5	57.2	16.5	0.0
-32.5°	314.1	247.0	177.8	111.3	54.8	16.1	0.0
-35°	301.9	237.3	169.7	105.7	52.3	15.6	0.0
-37.5°	289.4	226.7	161.1	99.9	49.6	15.2	0.0
-40°	276.3	215.3	151.9	93.6	46.8	14.6	0.0
-42.5°	262.4	203.2	142.7	87.1	43.8	14.1	0.0
-45°	247.9	190.6	133.5	80.2	40.6	13.5	0.0
-47.5°	232.7	177.4	123.9	73.0	37.3	12.9	0.0
-50°	216.4	163.7	114.0	67.3	33.9	12.3	0.0
-52.5°	199.3	149.5	103.6	62.0	30.4	11.6	0.0
-55°	181.7	135.9	92.9	56.5	26.7	11.0	0.0
-57.5°	163.6	122.2	81.9	50.8	22.9	10.3	0.0
-60°	145.1	108.0	70.8	45.0	19.1	9.5	0.0
-62.5°	127.8	93.5	62.8	39.0	17.6	8.8	0.0
-65°	110.1	78.7	54.7	32.9	16.1	8.1	0.0
-67.5°	92.0	66.0	46.4	26.7	14.6	7.3	0.0
-70°	73.6	55.5	38.0	20.3	13.1	6.5	0.0
-72.5°	60.0	44.8	29.4	17.2	11.5	5.7	0.0
-75°	47.0	33.9	20.7	14.8	9.9	4.9	0.0
-77.5°	33.9	23.0	16.5	12.4	8.3	4.1	0.0
-80°	20.7	16.5	13.2	9.9	6.6	3.3	0.0
-82.5°	14.8	12.4	9.9	7.5	5.0	2.5	0.0
-85°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
-87.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)