

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: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2B-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645356 (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-SA2B-722-U-LAM-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

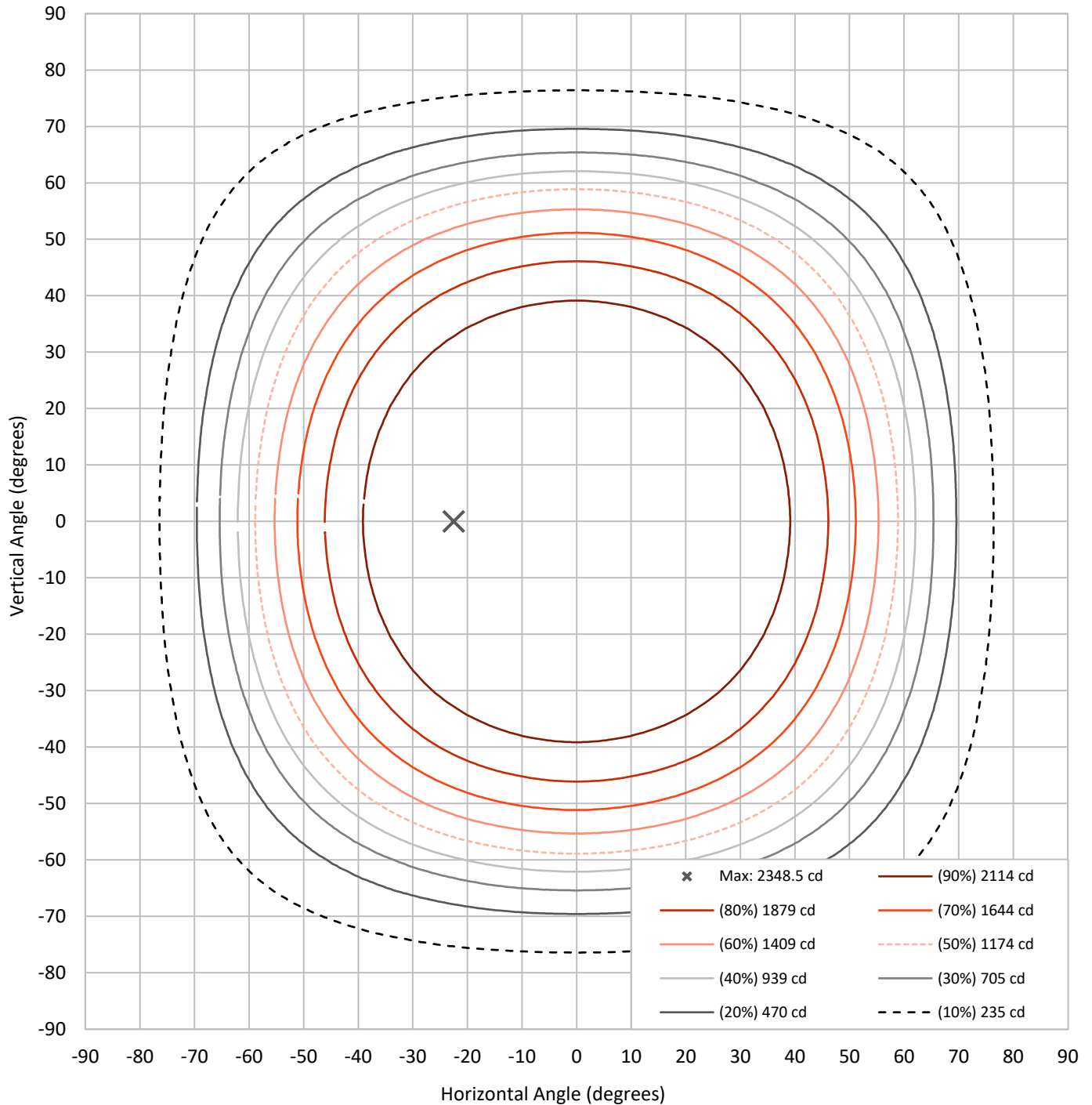
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7184.2 lumens	Max Intensity:	2348.5 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	113.0 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:	5978.9 lumens	Field Lumens:	7042.9 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	63.6		
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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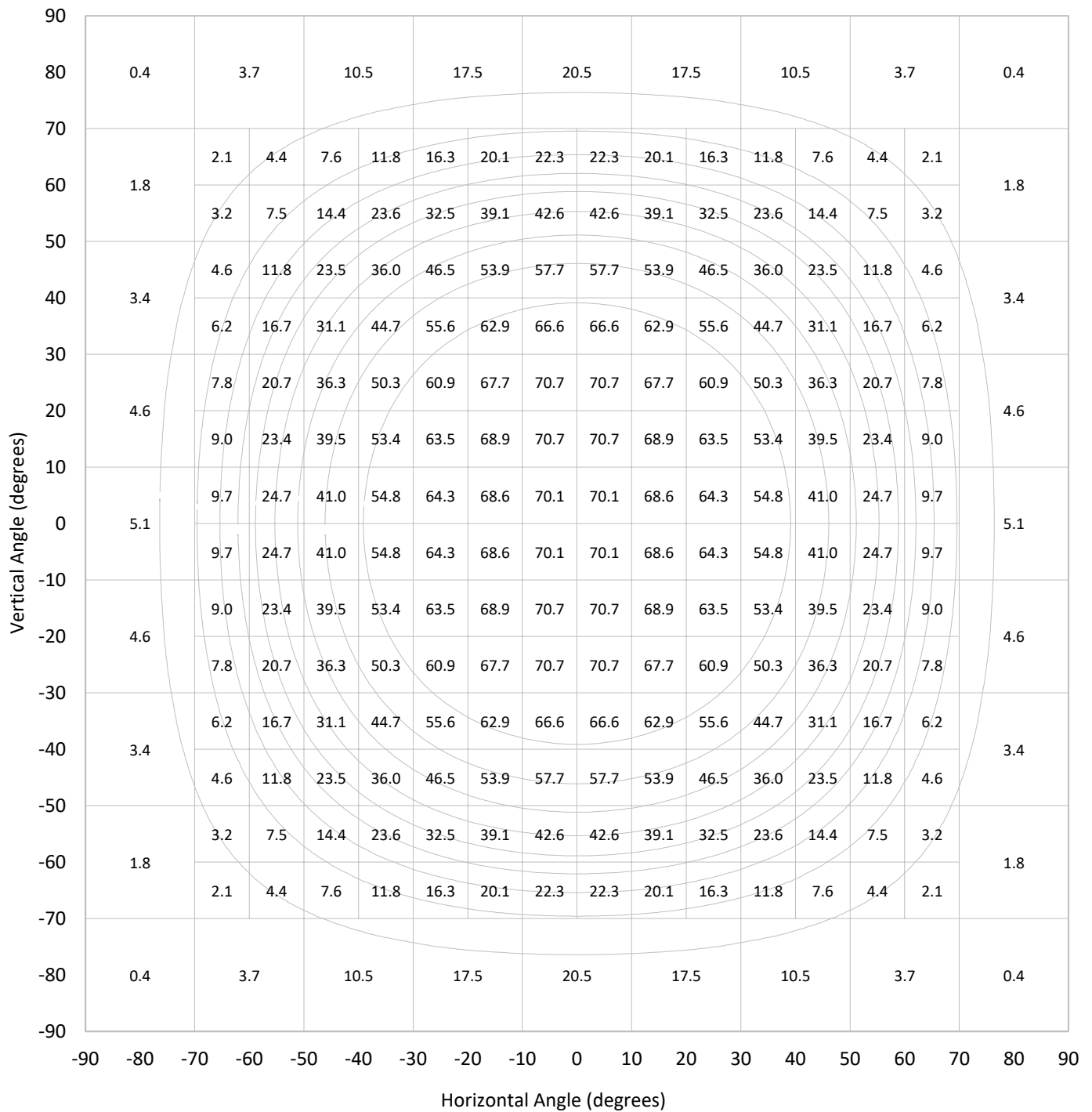
Iso-Candela Plot





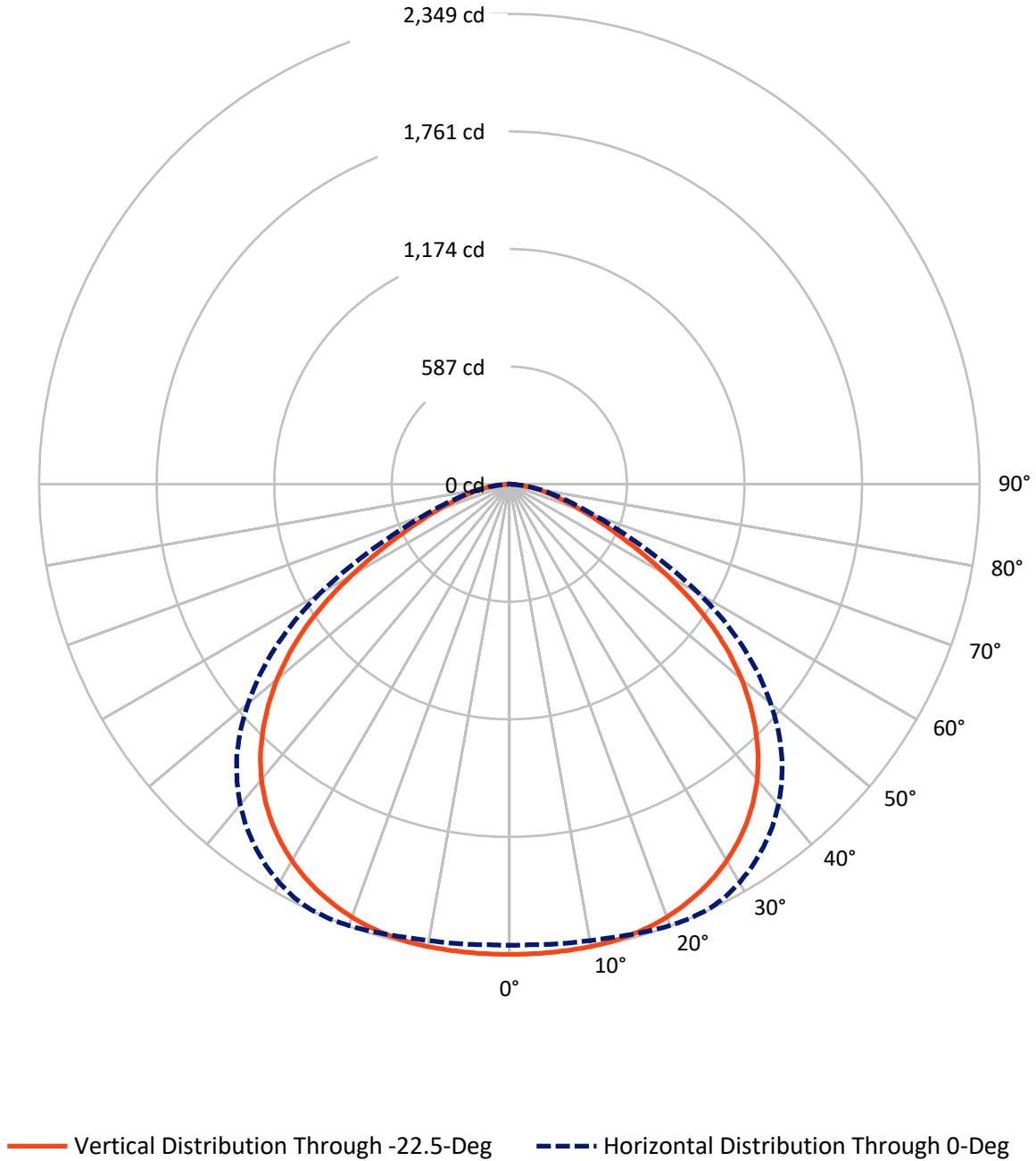
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Lumen Table



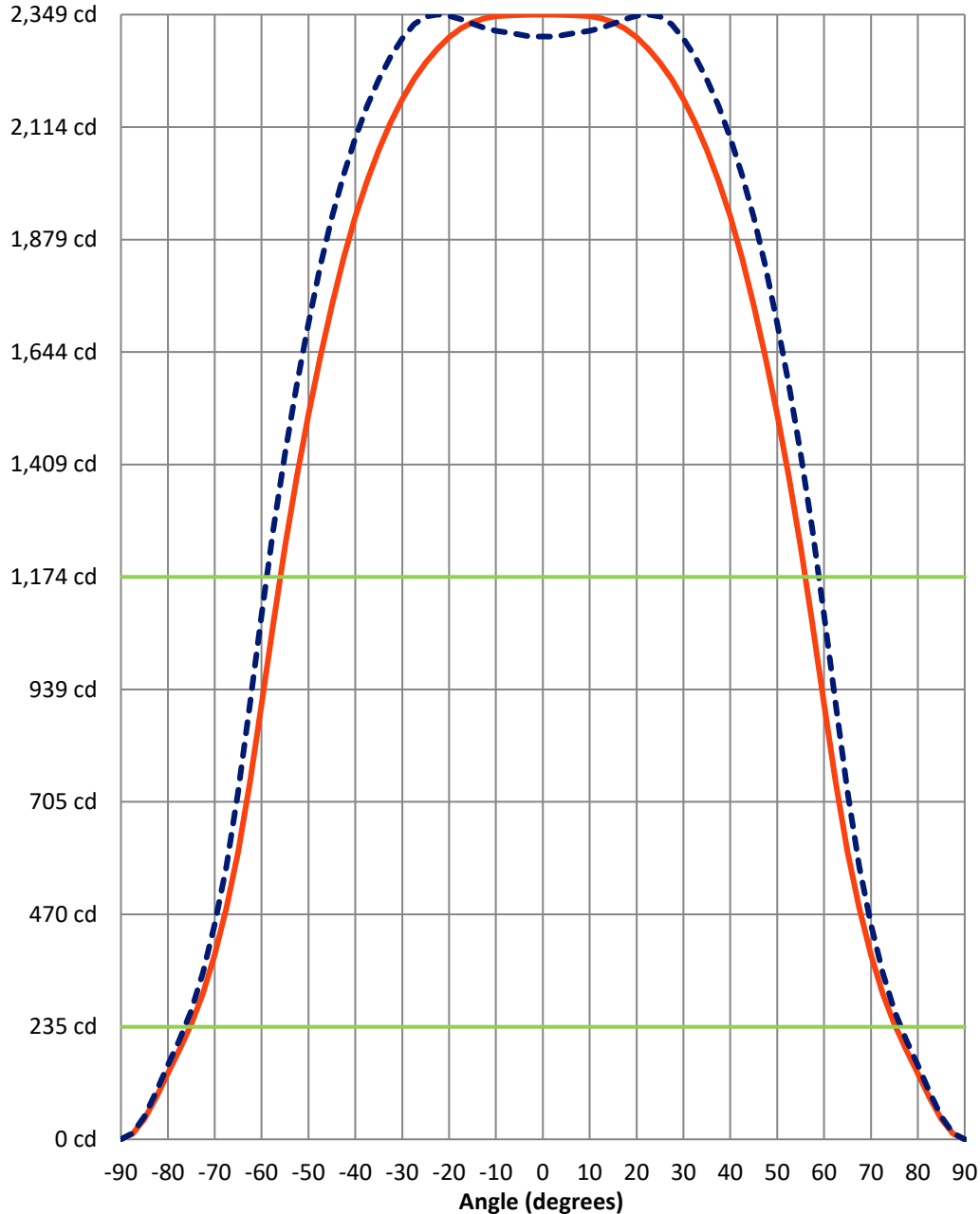
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 5978.9
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 7042.9
 Efficiency: 98.0%

Spill:
 Lumens: 141.3
 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	0.6	1.1	1.7	2.2	2.8	3.3	3.8	4.4	4.9	5.4
85°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.7	9.8	10.8
82.5°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.6	17.9	22.1
80°	0.0	2.2	4.4	6.6	8.8	11.0	13.9	19.7	25.5	31.1	36.7
77.5°	0.0	2.8	5.5	8.3	11.0	15.4	22.8	30.0	37.2	44.3	52.9
75°	0.0	3.3	6.6	9.9	13.9	22.8	31.6	40.3	49.4	61.7	73.9
72.5°	0.0	3.8	7.7	11.5	19.7	30.0	40.3	51.6	66.2	80.5	94.7
70°	0.0	4.4	8.7	13.6	25.5	37.2	49.4	66.2	82.8	99.2	116.9
67.5°	0.0	4.9	9.8	17.9	31.1	44.3	61.7	80.5	99.2	119.3	139.2
65°	0.0	5.4	10.8	22.1	36.7	52.9	73.9	94.7	116.9	139.2	160.9
62.5°	0.0	5.9	11.8	26.2	42.2	62.8	85.7	109.5	134.2	158.5	181.5
60°	0.0	6.4	12.8	30.2	47.5	72.5	97.4	124.4	151.3	176.7	201.7
57.5°	0.0	6.9	15.4	34.1	55.0	82.0	109.8	139.0	167.3	194.5	223.3
55°	0.0	7.3	17.9	37.9	62.4	91.2	121.9	153.2	182.8	212.5	245.2
52.5°	0.0	7.8	20.4	41.6	69.5	100.3	133.8	166.4	197.8	231.7	266.6
50°	0.0	8.2	22.8	45.2	76.5	109.8	145.2	179.2	213.0	250.3	293.1
47.5°	0.0	8.6	25.1	49.0	83.2	119.0	156.2	191.5	229.0	268.4	319.4
45°	0.0	9.0	27.3	53.8	89.6	127.9	166.3	203.3	244.4	291.1	344.8
42.5°	0.0	9.4	29.4	58.4	95.8	136.4	176.1	215.6	259.2	313.0	374.8
40°	0.0	9.8	31.4	62.8	101.9	144.5	185.4	228.0	274.8	334.0	404.4
37.5°	0.0	10.2	33.3	67.0	108.1	152.2	194.2	239.7	292.5	355.4	432.6
35°	0.0	10.5	35.1	71.0	113.9	159.2	202.6	250.8	309.2	379.4	461.4
32.5°	0.0	10.8	36.8	74.7	119.3	165.8	210.7	261.3	325.0	401.9	491.7
30°	0.0	11.1	38.4	78.1	124.4	171.9	219.1	271.8	339.8	423.1	520.1
27.5°	0.0	11.4	39.9	81.4	129.2	177.5	226.8	283.8	354.9	442.8	546.5
25°	0.0	11.6	41.2	84.3	133.5	182.7	234.0	294.7	370.9	463.3	571.2
22.5°	0.0	11.8	42.5	87.0	137.5	187.5	240.5	304.8	385.5	483.2	600.0
20°	0.0	12.0	43.6	89.4	141.1	191.8	246.4	313.8	398.6	501.1	626.1
17.5°	0.0	12.2	44.6	91.6	144.2	195.6	251.6	321.8	410.3	517.0	649.2
15°	0.0	12.4	45.4	93.5	147.0	198.9	256.1	328.8	420.5	530.9	669.4
12.5°	0.0	12.5	46.1	95.1	149.3	201.7	260.0	334.8	429.2	542.8	686.6
10°	0.0	12.6	46.7	96.4	151.3	204.0	263.1	339.7	436.4	552.5	700.8
7.5°	0.0	12.7	47.2	97.4	152.8	205.8	265.6	343.5	441.9	560.1	711.8
5°	0.0	12.8	47.5	98.1	153.8	207.1	267.4	346.2	445.9	565.5	719.8
2.5°	0.0	12.8	47.7	98.6	154.5	207.8	268.4	347.9	448.3	568.8	724.5
0°	0.0	12.8	47.8	98.7	154.7	208.1	268.8	348.4	449.1	569.9	726.1
-2.5°	0.0	12.8	47.7	98.6	154.5	207.8	268.4	347.9	448.3	568.8	724.5
-5°	0.0	12.8	47.5	98.1	153.8	207.1	267.4	346.2	445.9	565.5	719.8
-7.5°	0.0	12.7	47.2	97.4	152.8	205.8	265.6	343.5	441.9	560.1	711.8
-10°	0.0	12.6	46.7	96.4	151.3	204.0	263.1	339.7	436.4	552.5	700.8
-12.5°	0.0	12.5	46.1	95.1	149.3	201.7	260.0	334.8	429.2	542.8	686.6
-15°	0.0	12.4	45.4	93.5	147.0	198.9	256.1	328.8	420.5	530.9	669.4
-17.5°	0.0	12.2	44.6	91.6	144.2	195.6	251.6	321.8	410.3	517.0	649.2
-20°	0.0	12.0	43.6	89.4	141.1	191.8	246.4	313.8	398.6	501.1	626.1

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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	11.8	42.5	87.0	137.5	187.5	240.5	304.8	385.5	483.2	600.0
-25°	0.0	11.6	41.2	84.3	133.5	182.7	234.0	294.7	370.9	463.3	571.2
-27.5°	0.0	11.4	39.9	81.4	129.2	177.5	226.8	283.8	354.9	442.8	546.5
-30°	0.0	11.1	38.4	78.1	124.4	171.9	219.1	271.8	339.8	423.1	520.1
-32.5°	0.0	10.8	36.8	74.7	119.3	165.8	210.7	261.3	325.0	401.9	491.7
-35°	0.0	10.5	35.1	71.0	113.9	159.2	202.6	250.8	309.2	379.4	461.4
-37.5°	0.0	10.2	33.3	67.0	108.1	152.2	194.2	239.7	292.5	355.4	432.6
-40°	0.0	9.8	31.4	62.8	101.9	144.5	185.4	228.0	274.8	334.0	404.4
-42.5°	0.0	9.4	29.4	58.4	95.8	136.4	176.1	215.6	259.2	313.0	374.8
-45°	0.0	9.0	27.3	53.8	89.6	127.9	166.3	203.3	244.4	291.1	344.8
-47.5°	0.0	8.6	25.1	49.0	83.2	119.0	156.2	191.5	229.0	268.4	319.4
-50°	0.0	8.2	22.8	45.2	76.5	109.8	145.2	179.2	213.0	250.3	293.1
-52.5°	0.0	7.8	20.4	41.6	69.5	100.3	133.8	166.4	197.8	231.7	266.6
-55°	0.0	7.3	17.9	37.9	62.4	91.2	121.9	153.2	182.8	212.5	245.2
-57.5°	0.0	6.9	15.4	34.1	55.0	82.0	109.8	139.0	167.3	194.5	223.3
-60°	0.0	6.4	12.8	30.2	47.5	72.5	97.4	124.4	151.3	176.7	201.7
-62.5°	0.0	5.9	11.8	26.2	42.2	62.8	85.7	109.5	134.2	158.5	181.5
-65°	0.0	5.4	10.8	22.1	36.7	52.9	73.9	94.7	116.9	139.2	160.9
-67.5°	0.0	4.9	9.8	17.9	31.1	44.3	61.7	80.5	99.2	119.3	139.2
-70°	0.0	4.4	8.7	13.6	25.5	37.2	49.4	66.2	82.8	99.2	116.9
-72.5°	0.0	3.8	7.7	11.5	19.7	30.0	40.3	51.6	66.2	80.5	94.7
-75°	0.0	3.3	6.6	9.9	13.9	22.8	31.6	40.3	49.4	61.7	73.9
-77.5°	0.0	2.8	5.5	8.3	11.0	15.4	22.8	30.0	37.2	44.3	52.9
-80°	0.0	2.2	4.4	6.6	8.8	11.0	13.9	19.7	25.5	31.1	36.7
-82.5°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.6	17.9	22.1
-85°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.7	9.8	10.8
-87.5°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.8	4.4	4.9	5.4
-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: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-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°	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.0	9.4	9.8	10.2
85°	11.8	12.8	15.4	17.9	20.4	22.8	25.1	27.3	29.4	31.4	33.3
82.5°	26.2	30.2	34.1	37.9	41.6	45.2	49.0	53.8	58.4	62.8	67.0
80°	42.2	47.5	55.0	62.4	69.5	76.5	83.2	89.6	95.8	101.9	108.1
77.5°	62.8	72.5	82.0	91.2	100.3	109.8	119.0	127.9	136.4	144.5	152.2
75°	85.7	97.4	109.8	121.9	133.8	145.2	156.2	166.3	176.1	185.4	194.2
72.5°	109.5	124.4	139.0	153.2	166.4	179.2	191.5	203.3	215.6	228.0	239.7
70°	134.2	151.3	167.3	182.8	197.8	213.0	229.0	244.4	259.2	274.8	292.5
67.5°	158.5	176.7	194.5	212.5	231.7	250.3	268.4	291.1	313.0	334.0	355.4
65°	181.5	201.7	223.3	245.2	266.6	293.1	319.4	344.8	374.8	404.4	432.6
62.5°	204.1	228.7	253.4	280.2	311.0	340.9	375.7	411.1	445.2	483.6	521.1
60°	228.7	256.1	287.4	321.8	357.3	398.6	438.7	483.2	527.9	571.2	624.3
57.5°	253.4	287.4	325.5	366.5	412.5	459.0	511.2	561.6	622.2	682.7	742.9
55°	280.2	321.8	366.5	417.2	470.2	528.1	588.6	659.1	727.3	803.4	876.2
52.5°	311.0	357.3	412.5	470.2	533.8	603.4	681.4	762.1	847.2	929.7	1010.7
50°	340.9	398.6	459.0	528.1	603.4	688.9	779.7	873.7	966.5	1057.1	1141.9
47.5°	375.7	438.7	511.2	588.6	681.4	779.7	882.6	985.1	1085.2	1178.1	1267.0
45°	411.1	483.2	561.6	659.1	762.1	873.7	985.1	1094.6	1196.3	1292.3	1376.2
42.5°	445.2	527.9	622.2	727.3	847.2	966.5	1085.2	1196.3	1300.5	1392.9	1477.3
40°	483.6	571.2	682.7	803.4	929.7	1057.1	1178.1	1292.3	1392.9	1485.0	1570.4
37.5°	521.1	624.3	742.9	876.2	1010.7	1141.9	1267.0	1376.2	1477.3	1570.4	1652.3
35°	556.6	674.8	806.8	946.7	1088.0	1221.3	1343.1	1454.4	1554.8	1645.1	1728.9
32.5°	596.1	722.5	867.3	1014.6	1158.4	1294.2	1414.9	1523.7	1623.6	1715.3	1798.5
30°	636.8	773.9	924.8	1078.4	1224.5	1357.4	1477.9	1588.1	1687.1	1777.7	1859.2
27.5°	674.8	822.4	979.6	1136.2	1284.9	1416.6	1535.5	1644.0	1743.6	1834.8	1913.8
25°	709.8	867.3	1030.3	1189.1	1335.8	1467.8	1587.8	1696.2	1795.2	1882.7	1959.5
22.5°	744.4	908.4	1076.8	1237.6	1382.5	1513.5	1632.4	1741.1	1840.1	1926.9	2000.6
20°	778.0	946.7	1117.8	1280.7	1424.9	1555.1	1673.1	1781.5	1877.9	1961.9	2035.3
17.5°	807.9	980.9	1153.7	1315.4	1459.8	1590.6	1709.1	1817.8	1912.0	1993.6	2065.3
15°	834.1	1010.7	1185.0	1345.8	1489.8	1620.0	1738.5	1846.1	1939.6	2020.5	2091.8
12.5°	856.4	1036.1	1211.8	1371.8	1515.4	1645.3	1763.8	1869.9	1961.8	2041.7	2111.3
10°	874.7	1057.1	1233.9	1393.2	1536.6	1666.1	1784.7	1889.6	1980.2	2059.2	2127.6
7.5°	889.0	1073.5	1251.1	1410.0	1553.2	1682.4	1801.0	1905.0	1994.7	2073.1	2140.5
5°	899.3	1085.2	1263.5	1422.0	1565.0	1694.2	1812.8	1916.2	2005.1	2083.1	2149.8
2.5°	905.4	1092.2	1270.9	1429.3	1572.2	1701.2	1819.9	1922.9	2011.4	2089.1	2155.4
0°	907.5	1094.6	1273.4	1431.7	1574.6	1703.6	1822.3	1925.1	2013.5	2091.1	2157.3
-2.5°	905.4	1092.2	1270.9	1429.3	1572.2	1701.2	1819.9	1922.9	2011.4	2089.1	2155.4
-5°	899.3	1085.2	1263.5	1422.0	1565.0	1694.2	1812.8	1916.2	2005.1	2083.1	2149.8
-7.5°	889.0	1073.5	1251.1	1410.0	1553.2	1682.4	1801.0	1905.0	1994.7	2073.1	2140.5
-10°	874.7	1057.1	1233.9	1393.2	1536.6	1666.1	1784.7	1889.6	1980.2	2059.2	2127.6
-12.5°	856.4	1036.1	1211.8	1371.8	1515.4	1645.3	1763.8	1869.9	1961.8	2041.7	2111.3
-15°	834.1	1010.7	1185.0	1345.8	1489.8	1620.0	1738.5	1846.1	1939.6	2020.5	2091.8
-17.5°	807.9	980.9	1153.7	1315.4	1459.8	1590.6	1709.1	1817.8	1912.0	1993.6	2065.3
-20°	778.0	946.7	1117.8	1280.7	1424.9	1555.1	1673.1	1781.5	1877.9	1961.9	2035.3



REPORT NUMBER: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-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°	744.4	908.4	1076.8	1237.6	1382.5	1513.5	1632.4	1741.1	1840.1	1926.9	2000.6
-25°	709.8	867.3	1030.3	1189.1	1335.8	1467.8	1587.8	1696.2	1795.2	1882.7	1959.5
-27.5°	674.8	822.4	979.6	1136.2	1284.9	1416.6	1535.5	1644.0	1743.6	1834.8	1913.8
-30°	636.8	773.9	924.8	1078.4	1224.5	1357.4	1477.9	1588.1	1687.1	1777.7	1859.2
-32.5°	596.1	722.5	867.3	1014.6	1158.4	1294.2	1414.9	1523.7	1623.6	1715.3	1798.5
-35°	556.6	674.8	806.8	946.7	1088.0	1221.3	1343.1	1454.4	1554.8	1645.1	1728.9
-37.5°	521.1	624.3	742.9	876.2	1010.7	1141.9	1267.0	1376.2	1477.3	1570.4	1652.3
-40°	483.6	571.2	682.7	803.4	929.7	1057.1	1178.1	1292.3	1392.9	1485.0	1570.4
-42.5°	445.2	527.9	622.2	727.3	847.2	966.5	1085.2	1196.3	1300.5	1392.9	1477.3
-45°	411.1	483.2	561.6	659.1	762.1	873.7	985.1	1094.6	1196.3	1292.3	1376.2
-47.5°	375.7	438.7	511.2	588.6	681.4	779.7	882.6	985.1	1085.2	1178.1	1267.0
-50°	340.9	398.6	459.0	528.1	603.4	688.9	779.7	873.7	966.5	1057.1	1141.9
-52.5°	311.0	357.3	412.5	470.2	533.8	603.4	681.4	762.1	847.2	929.7	1010.7
-55°	280.2	321.8	366.5	417.2	470.2	528.1	588.6	659.1	727.3	803.4	876.2
-57.5°	253.4	287.4	325.5	366.5	412.5	459.0	511.2	561.6	622.2	682.7	742.9
-60°	228.7	256.1	287.4	321.8	357.3	398.6	438.7	483.2	527.9	571.2	624.3
-62.5°	204.1	228.7	253.4	280.2	311.0	340.9	375.7	411.1	445.2	483.6	521.1
-65°	181.5	201.7	223.3	245.2	266.6	293.1	319.4	344.8	374.8	404.4	432.6
-67.5°	158.5	176.7	194.5	212.5	231.7	250.3	268.4	291.1	313.0	334.0	355.4
-70°	134.2	151.3	167.3	182.8	197.8	213.0	229.0	244.4	259.2	274.8	292.5
-72.5°	109.5	124.4	139.0	153.2	166.4	179.2	191.5	203.3	215.6	228.0	239.7
-75°	85.7	97.4	109.8	121.9	133.8	145.2	156.2	166.3	176.1	185.4	194.2
-77.5°	62.8	72.5	82.0	91.2	100.3	109.8	119.0	127.9	136.4	144.5	152.2
-80°	42.2	47.5	55.0	62.4	69.5	76.5	83.2	89.6	95.8	101.9	108.1
-82.5°	26.2	30.2	34.1	37.9	41.6	45.2	49.0	53.8	58.4	62.8	67.0
-85°	11.8	12.8	15.4	17.9	20.4	22.8	25.1	27.3	29.4	31.4	33.3
-87.5°	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.0	9.4	9.8	10.2
-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: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-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°	10.5	10.8	11.1	11.4	11.6	11.8	12.0	12.2	12.4	12.5	12.6
85°	35.1	36.8	38.4	39.9	41.2	42.5	43.6	44.6	45.4	46.1	46.7
82.5°	71.0	74.7	78.1	81.4	84.3	87.0	89.4	91.6	93.5	95.1	96.4
80°	113.9	119.3	124.4	129.2	133.5	137.5	141.1	144.2	147.0	149.3	151.3
77.5°	159.2	165.8	171.9	177.5	182.7	187.5	191.8	195.6	198.9	201.7	204.0
75°	202.6	210.7	219.1	226.8	234.0	240.5	246.4	251.6	256.1	260.0	263.1
72.5°	250.8	261.3	271.8	283.8	294.7	304.8	313.8	321.8	328.8	334.8	339.7
70°	309.2	325.0	339.8	354.9	370.9	385.5	398.6	410.3	420.5	429.2	436.4
67.5°	379.4	401.9	423.1	442.8	463.3	483.2	501.1	517.0	530.9	542.8	552.5
65°	461.4	491.7	520.1	546.5	571.2	600.0	626.1	649.2	669.4	686.6	700.8
62.5°	556.6	596.1	636.8	674.8	709.8	744.4	778.0	807.9	834.1	856.4	874.7
60°	674.8	722.5	773.9	822.4	867.3	908.4	946.7	980.9	1010.7	1036.1	1057.1
57.5°	806.8	867.3	924.8	979.6	1030.3	1076.8	1117.8	1153.7	1185.0	1211.8	1233.9
55°	946.7	1014.6	1078.4	1136.2	1189.1	1237.6	1280.7	1315.4	1345.8	1371.8	1393.2
52.5°	1088.0	1158.4	1224.5	1284.9	1335.8	1382.5	1424.9	1459.8	1489.8	1515.4	1536.6
50°	1221.3	1294.2	1357.4	1416.6	1467.8	1513.5	1555.1	1590.6	1620.0	1645.3	1666.1
47.5°	1343.1	1414.9	1477.9	1535.5	1587.8	1632.4	1673.1	1709.1	1738.5	1763.8	1784.7
45°	1454.4	1523.7	1588.1	1644.0	1696.2	1741.1	1781.5	1817.8	1846.1	1869.9	1889.6
42.5°	1554.8	1623.6	1687.1	1743.6	1795.2	1840.1	1877.9	1912.0	1939.6	1961.8	1980.2
40°	1645.1	1715.3	1777.7	1834.8	1882.7	1926.9	1961.9	1993.6	2020.5	2041.7	2059.2
37.5°	1728.9	1798.5	1859.2	1913.8	1959.5	2000.6	2035.3	2065.3	2091.8	2111.3	2127.6
35°	1805.4	1871.6	1931.7	1981.7	2027.1	2065.7	2099.9	2127.5	2152.0	2170.7	2185.6
32.5°	1871.6	1937.2	1993.0	2042.2	2086.5	2122.5	2155.2	2180.6	2202.9	2220.9	2234.7
30°	1931.7	1993.0	2047.3	2096.1	2136.4	2171.5	2201.0	2225.7	2246.4	2263.5	2275.7
27.5°	1981.7	2042.2	2096.1	2141.1	2179.6	2213.4	2240.5	2264.3	2282.3	2298.1	2308.6
25°	2027.1	2086.5	2136.4	2179.6	2217.0	2248.0	2273.7	2295.3	2311.3	2324.8	2332.6
22.5°	2065.7	2122.5	2171.5	2213.4	2248.0	2276.9	2301.1	2319.4	2332.4	2340.6	2345.2
20°	2099.9	2155.2	2201.0	2240.5	2273.7	2301.1	2322.1	2335.6	2344.7	2346.9	2348.3
17.5°	2127.5	2180.6	2225.7	2264.3	2295.3	2319.4	2335.6	2345.1	2347.9	2347.3	2346.0
15°	2152.0	2202.9	2246.4	2282.3	2311.3	2332.4	2344.7	2347.9	2347.0	2344.3	2340.1
12.5°	2170.7	2220.9	2263.5	2298.1	2324.8	2340.6	2346.9	2347.3	2344.3	2339.1	2333.1
10°	2185.6	2234.7	2275.7	2308.6	2332.6	2345.2	2348.3	2346.0	2340.1	2333.1	2326.4
7.5°	2197.4	2245.7	2285.4	2316.9	2337.6	2346.6	2347.3	2343.0	2335.9	2327.9	2320.7
5°	2205.9	2253.7	2292.5	2323.0	2341.4	2347.6	2346.5	2340.7	2332.5	2324.1	2317.5
2.5°	2211.1	2258.5	2296.8	2326.8	2343.6	2348.3	2346.1	2339.3	2330.3	2321.6	2315.4
0°	2212.8	2260.1	2298.2	2328.0	2344.4	2348.5	2345.9	2338.8	2329.5	2320.8	2314.6
-2.5°	2211.1	2258.5	2296.8	2326.8	2343.6	2348.3	2346.1	2339.3	2330.3	2321.6	2315.4
-5°	2205.9	2253.7	2292.5	2323.0	2341.4	2347.6	2346.5	2340.7	2332.5	2324.1	2317.5
-7.5°	2197.4	2245.7	2285.4	2316.9	2337.6	2346.6	2347.3	2343.0	2335.9	2327.9	2320.7
-10°	2185.6	2234.7	2275.7	2308.6	2332.6	2345.2	2348.3	2346.0	2340.1	2333.1	2326.4
-12.5°	2170.7	2220.9	2263.5	2298.1	2324.8	2340.6	2346.9	2347.3	2344.3	2339.1	2333.1
-15°	2152.0	2202.9	2246.4	2282.3	2311.3	2332.4	2344.7	2347.9	2347.0	2344.3	2340.1
-17.5°	2127.5	2180.6	2225.7	2264.3	2295.3	2319.4	2335.6	2345.1	2347.9	2347.3	2346.0
-20°	2099.9	2155.2	2201.0	2240.5	2273.7	2301.1	2322.1	2335.6	2344.7	2346.9	2348.3



REPORT NUMBER: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-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°	2065.7	2122.5	2171.5	2213.4	2248.0	2276.9	2301.1	2319.4	2332.4	2340.6	2345.2
-25°	2027.1	2086.5	2136.4	2179.6	2217.0	2248.0	2273.7	2295.3	2311.3	2324.8	2332.6
-27.5°	1981.7	2042.2	2096.1	2141.1	2179.6	2213.4	2240.5	2264.3	2282.3	2298.1	2308.6
-30°	1931.7	1993.0	2047.3	2096.1	2136.4	2171.5	2201.0	2225.7	2246.4	2263.5	2275.7
-32.5°	1871.6	1937.2	1993.0	2042.2	2086.5	2122.5	2155.2	2180.6	2202.9	2220.9	2234.7
-35°	1805.4	1871.6	1931.7	1981.7	2027.1	2065.7	2099.9	2127.5	2152.0	2170.7	2185.6
-37.5°	1728.9	1798.5	1859.2	1913.8	1959.5	2000.6	2035.3	2065.3	2091.8	2111.3	2127.6
-40°	1645.1	1715.3	1777.7	1834.8	1882.7	1926.9	1961.9	1993.6	2020.5	2041.7	2059.2
-42.5°	1554.8	1623.6	1687.1	1743.6	1795.2	1840.1	1877.9	1912.0	1939.6	1961.8	1980.2
-45°	1454.4	1523.7	1588.1	1644.0	1696.2	1741.1	1781.5	1817.8	1846.1	1869.9	1889.6
-47.5°	1343.1	1414.9	1477.9	1535.5	1587.8	1632.4	1673.1	1709.1	1738.5	1763.8	1784.7
-50°	1221.3	1294.2	1357.4	1416.6	1467.8	1513.5	1555.1	1590.6	1620.0	1645.3	1666.1
-52.5°	1088.0	1158.4	1224.5	1284.9	1335.8	1382.5	1424.9	1459.8	1489.8	1515.4	1536.6
-55°	946.7	1014.6	1078.4	1136.2	1189.1	1237.6	1280.7	1315.4	1345.8	1371.8	1393.2
-57.5°	806.8	867.3	924.8	979.6	1030.3	1076.8	1117.8	1153.7	1185.0	1211.8	1233.9
-60°	674.8	722.5	773.9	822.4	867.3	908.4	946.7	980.9	1010.7	1036.1	1057.1
-62.5°	556.6	596.1	636.8	674.8	709.8	744.4	778.0	807.9	834.1	856.4	874.7
-65°	461.4	491.7	520.1	546.5	571.2	600.0	626.1	649.2	669.4	686.6	700.8
-67.5°	379.4	401.9	423.1	442.8	463.3	483.2	501.1	517.0	530.9	542.8	552.5
-70°	309.2	325.0	339.8	354.9	370.9	385.5	398.6	410.3	420.5	429.2	436.4
-72.5°	250.8	261.3	271.8	283.8	294.7	304.8	313.8	321.8	328.8	334.8	339.7
-75°	202.6	210.7	219.1	226.8	234.0	240.5	246.4	251.6	256.1	260.0	263.1
-77.5°	159.2	165.8	171.9	177.5	182.7	187.5	191.8	195.6	198.9	201.7	204.0
-80°	113.9	119.3	124.4	129.2	133.5	137.5	141.1	144.2	147.0	149.3	151.3
-82.5°	71.0	74.7	78.1	81.4	84.3	87.0	89.4	91.6	93.5	95.1	96.4
-85°	35.1	36.8	38.4	39.9	41.2	42.5	43.6	44.6	45.4	46.1	46.7
-87.5°	10.5	10.8	11.1	11.4	11.6	11.8	12.0	12.2	12.4	12.5	12.6
-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: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-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°	12.7	12.8	12.8	12.8	12.8	12.8	12.7	12.6	12.5	12.4	12.2
85°	47.2	47.5	47.7	47.8	47.7	47.5	47.2	46.7	46.1	45.4	44.6
82.5°	97.4	98.1	98.6	98.7	98.6	98.1	97.4	96.4	95.1	93.5	91.6
80°	152.8	153.8	154.5	154.7	154.5	153.8	152.8	151.3	149.3	147.0	144.2
77.5°	205.8	207.1	207.8	208.1	207.8	207.1	205.8	204.0	201.7	198.9	195.6
75°	265.6	267.4	268.4	268.8	268.4	267.4	265.6	263.1	260.0	256.1	251.6
72.5°	343.5	346.2	347.9	348.4	347.9	346.2	343.5	339.7	334.8	328.8	321.8
70°	441.9	445.9	448.3	449.1	448.3	445.9	441.9	436.4	429.2	420.5	410.3
67.5°	560.1	565.5	568.8	569.9	568.8	565.5	560.1	552.5	542.8	530.9	517.0
65°	711.8	719.8	724.5	726.1	724.5	719.8	711.8	700.8	686.6	669.4	649.2
62.5°	889.0	899.3	905.4	907.5	905.4	899.3	889.0	874.7	856.4	834.1	807.9
60°	1073.5	1085.2	1092.2	1094.6	1092.2	1085.2	1073.5	1057.1	1036.1	1010.7	980.9
57.5°	1251.1	1263.5	1270.9	1273.4	1270.9	1263.5	1251.1	1233.9	1211.8	1185.0	1153.7
55°	1410.0	1422.0	1429.3	1431.7	1429.3	1422.0	1410.0	1393.2	1371.8	1345.8	1315.4
52.5°	1553.2	1565.0	1572.2	1574.6	1572.2	1565.0	1553.2	1536.6	1515.4	1489.8	1459.8
50°	1682.4	1694.2	1701.2	1703.6	1701.2	1694.2	1682.4	1666.1	1645.3	1620.0	1590.6
47.5°	1801.0	1812.8	1819.9	1822.3	1819.9	1812.8	1801.0	1784.7	1763.8	1738.5	1709.1
45°	1905.0	1916.2	1922.9	1925.1	1922.9	1916.2	1905.0	1889.6	1869.9	1846.1	1817.8
42.5°	1994.7	2005.1	2011.4	2013.5	2011.4	2005.1	1994.7	1980.2	1961.8	1939.6	1912.0
40°	2073.1	2083.1	2089.1	2091.1	2089.1	2083.1	2073.1	2059.2	2041.7	2020.5	1993.6
37.5°	2140.5	2149.8	2155.4	2157.3	2155.4	2149.8	2140.5	2127.6	2111.3	2091.8	2065.3
35°	2197.4	2205.9	2211.1	2212.8	2211.1	2205.9	2197.4	2185.6	2170.7	2152.0	2127.5
32.5°	2245.7	2253.7	2258.5	2260.1	2258.5	2253.7	2245.7	2234.7	2220.9	2202.9	2180.6
30°	2285.4	2292.5	2296.8	2298.2	2296.8	2292.5	2285.4	2275.7	2263.5	2246.4	2225.7
27.5°	2316.9	2323.0	2326.8	2328.0	2326.8	2323.0	2316.9	2308.6	2298.1	2282.3	2264.3
25°	2337.6	2341.4	2343.6	2344.4	2343.6	2341.4	2337.6	2332.6	2324.8	2311.3	2295.3
22.5°	2346.6	2347.6	2348.3	2348.5	2348.3	2347.6	2346.6	2345.2	2340.6	2332.4	2319.4
20°	2347.3	2346.5	2346.1	2345.9	2346.1	2346.5	2347.3	2348.3	2346.9	2344.7	2335.6
17.5°	2343.0	2340.7	2339.3	2338.8	2339.3	2340.7	2343.0	2346.0	2347.3	2347.9	2345.1
15°	2335.9	2332.5	2330.3	2329.5	2330.3	2332.5	2335.9	2340.1	2344.3	2347.0	2347.9
12.5°	2327.9	2324.1	2321.6	2320.8	2321.6	2324.1	2327.9	2333.1	2339.1	2344.3	2347.3
10°	2320.7	2317.5	2315.4	2314.6	2315.4	2317.5	2320.7	2326.4	2333.1	2340.1	2346.0
7.5°	2316.1	2313.2	2311.6	2311.0	2311.6	2313.2	2316.1	2320.7	2327.9	2335.9	2343.0
5°	2313.2	2310.3	2307.9	2306.9	2307.9	2310.3	2313.2	2317.5	2324.1	2332.5	2340.7
2.5°	2311.6	2307.9	2304.2	2302.3	2304.2	2307.9	2311.6	2315.4	2321.6	2330.3	2339.3
0°	2311.0	2306.9	2302.3	2302.8	2302.3	2306.9	2311.0	2314.6	2320.8	2329.5	2338.8
-2.5°	2311.6	2307.9	2304.2	2302.3	2304.2	2307.9	2311.6	2315.4	2321.6	2330.3	2339.3
-5°	2313.2	2310.3	2307.9	2306.9	2307.9	2310.3	2313.2	2317.5	2324.1	2332.5	2340.7
-7.5°	2316.1	2313.2	2311.6	2311.0	2311.6	2313.2	2316.1	2320.7	2327.9	2335.9	2343.0
-10°	2320.7	2317.5	2315.4	2314.6	2315.4	2317.5	2320.7	2326.4	2333.1	2340.1	2346.0
-12.5°	2327.9	2324.1	2321.6	2320.8	2321.6	2324.1	2327.9	2333.1	2339.1	2344.3	2347.3
-15°	2335.9	2332.5	2330.3	2329.5	2330.3	2332.5	2335.9	2340.1	2344.3	2347.0	2347.9
-17.5°	2343.0	2340.7	2339.3	2338.8	2339.3	2340.7	2343.0	2346.0	2347.3	2347.9	2345.1
-20°	2347.3	2346.5	2346.1	2345.9	2346.1	2346.5	2347.3	2348.3	2346.9	2344.7	2335.6



REPORT NUMBER: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-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°	2346.6	2347.6	2348.3	2348.5	2348.3	2347.6	2346.6	2345.2	2340.6	2332.4	2319.4
-25°	2337.6	2341.4	2343.6	2344.4	2343.6	2341.4	2337.6	2332.6	2324.8	2311.3	2295.3
-27.5°	2316.9	2323.0	2326.8	2328.0	2326.8	2323.0	2316.9	2308.6	2298.1	2282.3	2264.3
-30°	2285.4	2292.5	2296.8	2298.2	2296.8	2292.5	2285.4	2275.7	2263.5	2246.4	2225.7
-32.5°	2245.7	2253.7	2258.5	2260.1	2258.5	2253.7	2245.7	2234.7	2220.9	2202.9	2180.6
-35°	2197.4	2205.9	2211.1	2212.8	2211.1	2205.9	2197.4	2185.6	2170.7	2152.0	2127.5
-37.5°	2140.5	2149.8	2155.4	2157.3	2155.4	2149.8	2140.5	2127.6	2111.3	2091.8	2065.3
-40°	2073.1	2083.1	2089.1	2091.1	2089.1	2083.1	2073.1	2059.2	2041.7	2020.5	1993.6
-42.5°	1994.7	2005.1	2011.4	2013.5	2011.4	2005.1	1994.7	1980.2	1961.8	1939.6	1912.0
-45°	1905.0	1916.2	1922.9	1925.1	1922.9	1916.2	1905.0	1889.6	1869.9	1846.1	1817.8
-47.5°	1801.0	1812.8	1819.9	1822.3	1819.9	1812.8	1801.0	1784.7	1763.8	1738.5	1709.1
-50°	1682.4	1694.2	1701.2	1703.6	1701.2	1694.2	1682.4	1666.1	1645.3	1620.0	1590.6
-52.5°	1553.2	1565.0	1572.2	1574.6	1572.2	1565.0	1553.2	1536.6	1515.4	1489.8	1459.8
-55°	1410.0	1422.0	1429.3	1431.7	1429.3	1422.0	1410.0	1393.2	1371.8	1345.8	1315.4
-57.5°	1251.1	1263.5	1270.9	1273.4	1270.9	1263.5	1251.1	1233.9	1211.8	1185.0	1153.7
-60°	1073.5	1085.2	1092.2	1094.6	1092.2	1085.2	1073.5	1057.1	1036.1	1010.7	980.9
-62.5°	889.0	899.3	905.4	907.5	905.4	899.3	889.0	874.7	856.4	834.1	807.9
-65°	711.8	719.8	724.5	726.1	724.5	719.8	711.8	700.8	686.6	669.4	649.2
-67.5°	560.1	565.5	568.8	569.9	568.8	565.5	560.1	552.5	542.8	530.9	517.0
-70°	441.9	445.9	448.3	449.1	448.3	445.9	441.9	436.4	429.2	420.5	410.3
-72.5°	343.5	346.2	347.9	348.4	347.9	346.2	343.5	339.7	334.8	328.8	321.8
-75°	265.6	267.4	268.4	268.8	268.4	267.4	265.6	263.1	260.0	256.1	251.6
-77.5°	205.8	207.1	207.8	208.1	207.8	207.1	205.8	204.0	201.7	198.9	195.6
-80°	152.8	153.8	154.5	154.7	154.5	153.8	152.8	151.3	149.3	147.0	144.2
-82.5°	97.4	98.1	98.6	98.7	98.6	98.1	97.4	96.4	95.1	93.5	91.6
-85°	47.2	47.5	47.7	47.8	47.7	47.5	47.2	46.7	46.1	45.4	44.6
-87.5°	12.7	12.8	12.8	12.8	12.8	12.8	12.7	12.6	12.5	12.4	12.2
-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: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-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°	12.0	11.8	11.6	11.4	11.1	10.8	10.5	10.2	9.8	9.4	9.0
85°	43.6	42.5	41.2	39.9	38.4	36.8	35.1	33.3	31.4	29.4	27.3
82.5°	89.4	87.0	84.3	81.4	78.1	74.7	71.0	67.0	62.8	58.4	53.8
80°	141.1	137.5	133.5	129.2	124.4	119.3	113.9	108.1	101.9	95.8	89.6
77.5°	191.8	187.5	182.7	177.5	171.9	165.8	159.2	152.2	144.5	136.4	127.9
75°	246.4	240.5	234.0	226.8	219.1	210.7	202.6	194.2	185.4	176.1	166.3
72.5°	313.8	304.8	294.7	283.8	271.8	261.3	250.8	239.7	228.0	215.6	203.3
70°	398.6	385.5	370.9	354.9	339.8	325.0	309.2	292.5	274.8	259.2	244.4
67.5°	501.1	483.2	463.3	442.8	423.1	401.9	379.4	355.4	334.0	313.0	291.1
65°	626.1	600.0	571.2	546.5	520.1	491.7	461.4	432.6	404.4	374.8	344.8
62.5°	778.0	744.4	709.8	674.8	636.8	596.1	556.6	521.1	483.6	445.2	411.1
60°	946.7	908.4	867.3	822.4	773.9	722.5	674.8	624.3	571.2	527.9	483.2
57.5°	1117.8	1076.8	1030.3	979.6	924.8	867.3	806.8	742.9	682.7	622.2	561.6
55°	1280.7	1237.6	1189.1	1136.2	1078.4	1014.6	946.7	876.2	803.4	727.3	659.1
52.5°	1424.9	1382.5	1335.8	1284.9	1224.5	1158.4	1088.0	1010.7	929.7	847.2	762.1
50°	1555.1	1513.5	1467.8	1416.6	1357.4	1294.2	1221.3	1141.9	1057.1	966.5	873.7
47.5°	1673.1	1632.4	1587.8	1535.5	1477.9	1414.9	1343.1	1267.0	1178.1	1085.2	985.1
45°	1781.5	1741.1	1696.2	1644.0	1588.1	1523.7	1454.4	1376.2	1292.3	1196.3	1094.6
42.5°	1877.9	1840.1	1795.2	1743.6	1687.1	1623.6	1554.8	1477.3	1392.9	1300.5	1196.3
40°	1961.9	1926.9	1882.7	1834.8	1777.7	1715.3	1645.1	1570.4	1485.0	1392.9	1292.3
37.5°	2035.3	2000.6	1959.5	1913.8	1859.2	1798.5	1728.9	1652.3	1570.4	1477.3	1376.2
35°	2099.9	2065.7	2027.1	1981.7	1931.7	1871.6	1805.4	1728.9	1645.1	1554.8	1454.4
32.5°	2155.2	2122.5	2086.5	2042.2	1993.0	1937.2	1871.6	1798.5	1715.3	1623.6	1523.7
30°	2201.0	2171.5	2136.4	2096.1	2047.3	1993.0	1931.7	1859.2	1777.7	1687.1	1588.1
27.5°	2240.5	2213.4	2179.6	2141.1	2096.1	2042.2	1981.7	1913.8	1834.8	1743.6	1644.0
25°	2273.7	2248.0	2217.0	2179.6	2136.4	2086.5	2027.1	1959.5	1882.7	1795.2	1696.2
22.5°	2301.1	2276.9	2248.0	2213.4	2171.5	2122.5	2065.7	2000.6	1926.9	1840.1	1741.1
20°	2322.1	2301.1	2273.7	2240.5	2201.0	2155.2	2099.9	2035.3	1961.9	1877.9	1781.5
17.5°	2335.6	2319.4	2295.3	2264.3	2225.7	2180.6	2127.5	2065.3	1993.6	1912.0	1817.8
15°	2344.7	2332.4	2311.3	2282.3	2246.4	2202.9	2152.0	2091.8	2020.5	1939.6	1846.1
12.5°	2346.9	2340.6	2324.8	2298.1	2263.5	2220.9	2170.7	2111.3	2041.7	1961.8	1869.9
10°	2348.3	2345.2	2332.6	2308.6	2275.7	2234.7	2185.6	2127.6	2059.2	1980.2	1889.6
7.5°	2347.3	2346.6	2337.6	2316.9	2285.4	2245.7	2197.4	2140.5	2073.1	1994.7	1905.0
5°	2346.5	2347.6	2341.4	2323.0	2292.5	2253.7	2205.9	2149.8	2083.1	2005.1	1916.2
2.5°	2346.1	2348.3	2343.6	2326.8	2296.8	2258.5	2211.1	2155.4	2089.1	2011.4	1922.9
0°	2345.9	2348.5	2344.4	2328.0	2298.2	2260.1	2212.8	2157.3	2091.1	2013.5	1925.1
-2.5°	2346.1	2348.3	2343.6	2326.8	2296.8	2258.5	2211.1	2155.4	2089.1	2011.4	1922.9
-5°	2346.5	2347.6	2341.4	2323.0	2292.5	2253.7	2205.9	2149.8	2083.1	2005.1	1916.2
-7.5°	2347.3	2346.6	2337.6	2316.9	2285.4	2245.7	2197.4	2140.5	2073.1	1994.7	1905.0
-10°	2348.3	2345.2	2332.6	2308.6	2275.7	2234.7	2185.6	2127.6	2059.2	1980.2	1889.6
-12.5°	2346.9	2340.6	2324.8	2298.1	2263.5	2220.9	2170.7	2111.3	2041.7	1961.8	1869.9
-15°	2344.7	2332.4	2311.3	2282.3	2246.4	2202.9	2152.0	2091.8	2020.5	1939.6	1846.1
-17.5°	2335.6	2319.4	2295.3	2264.3	2225.7	2180.6	2127.5	2065.3	1993.6	1912.0	1817.8
-20°	2322.1	2301.1	2273.7	2240.5	2201.0	2155.2	2099.9	2035.3	1961.9	1877.9	1781.5



REPORT NUMBER: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-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°	2301.1	2276.9	2248.0	2213.4	2171.5	2122.5	2065.7	2000.6	1926.9	1840.1	1741.1
-25°	2273.7	2248.0	2217.0	2179.6	2136.4	2086.5	2027.1	1959.5	1882.7	1795.2	1696.2
-27.5°	2240.5	2213.4	2179.6	2141.1	2096.1	2042.2	1981.7	1913.8	1834.8	1743.6	1644.0
-30°	2201.0	2171.5	2136.4	2096.1	2047.3	1993.0	1931.7	1859.2	1777.7	1687.1	1588.1
-32.5°	2155.2	2122.5	2086.5	2042.2	1993.0	1937.2	1871.6	1798.5	1715.3	1623.6	1523.7
-35°	2099.9	2065.7	2027.1	1981.7	1931.7	1871.6	1805.4	1728.9	1645.1	1554.8	1454.4
-37.5°	2035.3	2000.6	1959.5	1913.8	1859.2	1798.5	1728.9	1652.3	1570.4	1477.3	1376.2
-40°	1961.9	1926.9	1882.7	1834.8	1777.7	1715.3	1645.1	1570.4	1485.0	1392.9	1292.3
-42.5°	1877.9	1840.1	1795.2	1743.6	1687.1	1623.6	1554.8	1477.3	1392.9	1300.5	1196.3
-45°	1781.5	1741.1	1696.2	1644.0	1588.1	1523.7	1454.4	1376.2	1292.3	1196.3	1094.6
-47.5°	1673.1	1632.4	1587.8	1535.5	1477.9	1414.9	1343.1	1267.0	1178.1	1085.2	985.1
-50°	1555.1	1513.5	1467.8	1416.6	1357.4	1294.2	1221.3	1141.9	1057.1	966.5	873.7
-52.5°	1424.9	1382.5	1335.8	1284.9	1224.5	1158.4	1088.0	1010.7	929.7	847.2	762.1
-55°	1280.7	1237.6	1189.1	1136.2	1078.4	1014.6	946.7	876.2	803.4	727.3	659.1
-57.5°	1117.8	1076.8	1030.3	979.6	924.8	867.3	806.8	742.9	682.7	622.2	561.6
-60°	946.7	908.4	867.3	822.4	773.9	722.5	674.8	624.3	571.2	527.9	483.2
-62.5°	778.0	744.4	709.8	674.8	636.8	596.1	556.6	521.1	483.6	445.2	411.1
-65°	626.1	600.0	571.2	546.5	520.1	491.7	461.4	432.6	404.4	374.8	344.8
-67.5°	501.1	483.2	463.3	442.8	423.1	401.9	379.4	355.4	334.0	313.0	291.1
-70°	398.6	385.5	370.9	354.9	339.8	325.0	309.2	292.5	274.8	259.2	244.4
-72.5°	313.8	304.8	294.7	283.8	271.8	261.3	250.8	239.7	228.0	215.6	203.3
-75°	246.4	240.5	234.0	226.8	219.1	210.7	202.6	194.2	185.4	176.1	166.3
-77.5°	191.8	187.5	182.7	177.5	171.9	165.8	159.2	152.2	144.5	136.4	127.9
-80°	141.1	137.5	133.5	129.2	124.4	119.3	113.9	108.1	101.9	95.8	89.6
-82.5°	89.4	87.0	84.3	81.4	78.1	74.7	71.0	67.0	62.8	58.4	53.8
-85°	43.6	42.5	41.2	39.9	38.4	36.8	35.1	33.3	31.4	29.4	27.3
-87.5°	12.0	11.8	11.6	11.4	11.1	10.8	10.5	10.2	9.8	9.4	9.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-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°	8.6	8.2	7.8	7.3	6.9	6.4	5.9	5.4	4.9	4.4	3.8
85°	25.1	22.8	20.4	17.9	15.4	12.8	11.8	10.8	9.8	8.7	7.7
82.5°	49.0	45.2	41.6	37.9	34.1	30.2	26.2	22.1	17.9	13.6	11.5
80°	83.2	76.5	69.5	62.4	55.0	47.5	42.2	36.7	31.1	25.5	19.7
77.5°	119.0	109.8	100.3	91.2	82.0	72.5	62.8	52.9	44.3	37.2	30.0
75°	156.2	145.2	133.8	121.9	109.8	97.4	85.7	73.9	61.7	49.4	40.3
72.5°	191.5	179.2	166.4	153.2	139.0	124.4	109.5	94.7	80.5	66.2	51.6
70°	229.0	213.0	197.8	182.8	167.3	151.3	134.2	116.9	99.2	82.8	66.2
67.5°	268.4	250.3	231.7	212.5	194.5	176.7	158.5	139.2	119.3	99.2	80.5
65°	319.4	293.1	266.6	245.2	223.3	201.7	181.5	160.9	139.2	116.9	94.7
62.5°	375.7	340.9	311.0	280.2	253.4	228.7	204.1	181.5	158.5	134.2	109.5
60°	438.7	398.6	357.3	321.8	287.4	256.1	228.7	201.7	176.7	151.3	124.4
57.5°	511.2	459.0	412.5	366.5	325.5	287.4	253.4	223.3	194.5	167.3	139.0
55°	588.6	528.1	470.2	417.2	366.5	321.8	280.2	245.2	212.5	182.8	153.2
52.5°	681.4	603.4	533.8	470.2	412.5	357.3	311.0	266.6	231.7	197.8	166.4
50°	779.7	688.9	603.4	528.1	459.0	398.6	340.9	293.1	250.3	213.0	179.2
47.5°	882.6	779.7	681.4	588.6	511.2	438.7	375.7	319.4	268.4	229.0	191.5
45°	985.1	873.7	762.1	659.1	561.6	483.2	411.1	344.8	291.1	244.4	203.3
42.5°	1085.2	966.5	847.2	727.3	622.2	527.9	445.2	374.8	313.0	259.2	215.6
40°	1178.1	1057.1	929.7	803.4	682.7	571.2	483.6	404.4	334.0	274.8	228.0
37.5°	1267.0	1141.9	1010.7	876.2	742.9	624.3	521.1	432.6	355.4	292.5	239.7
35°	1343.1	1221.3	1088.0	946.7	806.8	674.8	556.6	461.4	379.4	309.2	250.8
32.5°	1414.9	1294.2	1158.4	1014.6	867.3	722.5	596.1	491.7	401.9	325.0	261.3
30°	1477.9	1357.4	1224.5	1078.4	924.8	773.9	636.8	520.1	423.1	339.8	271.8
27.5°	1535.5	1416.6	1284.9	1136.2	979.6	822.4	674.8	546.5	442.8	354.9	283.8
25°	1587.8	1467.8	1335.8	1189.1	1030.3	867.3	709.8	571.2	463.3	370.9	294.7
22.5°	1632.4	1513.5	1382.5	1237.6	1076.8	908.4	744.4	600.0	483.2	385.5	304.8
20°	1673.1	1555.1	1424.9	1280.7	1117.8	946.7	778.0	626.1	501.1	398.6	313.8
17.5°	1709.1	1590.6	1459.8	1315.4	1153.7	980.9	807.9	649.2	517.0	410.3	321.8
15°	1738.5	1620.0	1489.8	1345.8	1185.0	1010.7	834.1	669.4	530.9	420.5	328.8
12.5°	1763.8	1645.3	1515.4	1371.8	1211.8	1036.1	856.4	686.6	542.8	429.2	334.8
10°	1784.7	1666.1	1536.6	1393.2	1233.9	1057.1	874.7	700.8	552.5	436.4	339.7
7.5°	1801.0	1682.4	1553.2	1410.0	1251.1	1073.5	889.0	711.8	560.1	441.9	343.5
5°	1812.8	1694.2	1565.0	1422.0	1263.5	1085.2	899.3	719.8	565.5	445.9	346.2
2.5°	1819.9	1701.2	1572.2	1429.3	1270.9	1092.2	905.4	724.5	568.8	448.3	347.9
0°	1822.3	1703.6	1574.6	1431.7	1273.4	1094.6	907.5	726.1	569.9	449.1	348.4
-2.5°	1819.9	1701.2	1572.2	1429.3	1270.9	1092.2	905.4	724.5	568.8	448.3	347.9
-5°	1812.8	1694.2	1565.0	1422.0	1263.5	1085.2	899.3	719.8	565.5	445.9	346.2
-7.5°	1801.0	1682.4	1553.2	1410.0	1251.1	1073.5	889.0	711.8	560.1	441.9	343.5
-10°	1784.7	1666.1	1536.6	1393.2	1233.9	1057.1	874.7	700.8	552.5	436.4	339.7
-12.5°	1763.8	1645.3	1515.4	1371.8	1211.8	1036.1	856.4	686.6	542.8	429.2	334.8
-15°	1738.5	1620.0	1489.8	1345.8	1185.0	1010.7	834.1	669.4	530.9	420.5	328.8
-17.5°	1709.1	1590.6	1459.8	1315.4	1153.7	980.9	807.9	649.2	517.0	410.3	321.8
-20°	1673.1	1555.1	1424.9	1280.7	1117.8	946.7	778.0	626.1	501.1	398.6	313.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1632.4	1513.5	1382.5	1237.6	1076.8	908.4	744.4	600.0	483.2	385.5	304.8
-25°	1587.8	1467.8	1335.8	1189.1	1030.3	867.3	709.8	571.2	463.3	370.9	294.7
-27.5°	1535.5	1416.6	1284.9	1136.2	979.6	822.4	674.8	546.5	442.8	354.9	283.8
-30°	1477.9	1357.4	1224.5	1078.4	924.8	773.9	636.8	520.1	423.1	339.8	271.8
-32.5°	1414.9	1294.2	1158.4	1014.6	867.3	722.5	596.1	491.7	401.9	325.0	261.3
-35°	1343.1	1221.3	1088.0	946.7	806.8	674.8	556.6	461.4	379.4	309.2	250.8
-37.5°	1267.0	1141.9	1010.7	876.2	742.9	624.3	521.1	432.6	355.4	292.5	239.7
-40°	1178.1	1057.1	929.7	803.4	682.7	571.2	483.6	404.4	334.0	274.8	228.0
-42.5°	1085.2	966.5	847.2	727.3	622.2	527.9	445.2	374.8	313.0	259.2	215.6
-45°	985.1	873.7	762.1	659.1	561.6	483.2	411.1	344.8	291.1	244.4	203.3
-47.5°	882.6	779.7	681.4	588.6	511.2	438.7	375.7	319.4	268.4	229.0	191.5
-50°	779.7	688.9	603.4	528.1	459.0	398.6	340.9	293.1	250.3	213.0	179.2
-52.5°	681.4	603.4	533.8	470.2	412.5	357.3	311.0	266.6	231.7	197.8	166.4
-55°	588.6	528.1	470.2	417.2	366.5	321.8	280.2	245.2	212.5	182.8	153.2
-57.5°	511.2	459.0	412.5	366.5	325.5	287.4	253.4	223.3	194.5	167.3	139.0
-60°	438.7	398.6	357.3	321.8	287.4	256.1	228.7	201.7	176.7	151.3	124.4
-62.5°	375.7	340.9	311.0	280.2	253.4	228.7	204.1	181.5	158.5	134.2	109.5
-65°	319.4	293.1	266.6	245.2	223.3	201.7	181.5	160.9	139.2	116.9	94.7
-67.5°	268.4	250.3	231.7	212.5	194.5	176.7	158.5	139.2	119.3	99.2	80.5
-70°	229.0	213.0	197.8	182.8	167.3	151.3	134.2	116.9	99.2	82.8	66.2
-72.5°	191.5	179.2	166.4	153.2	139.0	124.4	109.5	94.7	80.5	66.2	51.6
-75°	156.2	145.2	133.8	121.9	109.8	97.4	85.7	73.9	61.7	49.4	40.3
-77.5°	119.0	109.8	100.3	91.2	82.0	72.5	62.8	52.9	44.3	37.2	30.0
-80°	83.2	76.5	69.5	62.4	55.0	47.5	42.2	36.7	31.1	25.5	19.7
-82.5°	49.0	45.2	41.6	37.9	34.1	30.2	26.2	22.1	17.9	13.6	11.5
-85°	25.1	22.8	20.4	17.9	15.4	12.8	11.8	10.8	9.8	8.7	7.7
-87.5°	8.6	8.2	7.8	7.3	6.9	6.4	5.9	5.4	4.9	4.4	3.8
-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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Scaled Data Report



REPORT NUMBER: P645356 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-U-LAM-XX

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°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
85°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
82.5°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
80°	13.9	11.0	8.8	6.6	4.4	2.2	0.0
77.5°	22.8	15.4	11.0	8.3	5.5	2.8	0.0
75°	31.6	22.8	13.9	9.9	6.6	3.3	0.0
72.5°	40.3	30.0	19.7	11.5	7.7	3.8	0.0
70°	49.4	37.2	25.5	13.6	8.7	4.4	0.0
67.5°	61.7	44.3	31.1	17.9	9.8	4.9	0.0
65°	73.9	52.9	36.7	22.1	10.8	5.4	0.0
62.5°	85.7	62.8	42.2	26.2	11.8	5.9	0.0
60°	97.4	72.5	47.5	30.2	12.8	6.4	0.0
57.5°	109.8	82.0	55.0	34.1	15.4	6.9	0.0
55°	121.9	91.2	62.4	37.9	17.9	7.3	0.0
52.5°	133.8	100.3	69.5	41.6	20.4	7.8	0.0
50°	145.2	109.8	76.5	45.2	22.8	8.2	0.0
47.5°	156.2	119.0	83.2	49.0	25.1	8.6	0.0
45°	166.3	127.9	89.6	53.8	27.3	9.0	0.0
42.5°	176.1	136.4	95.8	58.4	29.4	9.4	0.0
40°	185.4	144.5	101.9	62.8	31.4	9.8	0.0
37.5°	194.2	152.2	108.1	67.0	33.3	10.2	0.0
35°	202.6	159.2	113.9	71.0	35.1	10.5	0.0
32.5°	210.7	165.8	119.3	74.7	36.8	10.8	0.0
30°	219.1	171.9	124.4	78.1	38.4	11.1	0.0
27.5°	226.8	177.5	129.2	81.4	39.9	11.4	0.0
25°	234.0	182.7	133.5	84.3	41.2	11.6	0.0
22.5°	240.5	187.5	137.5	87.0	42.5	11.8	0.0
20°	246.4	191.8	141.1	89.4	43.6	12.0	0.0
17.5°	251.6	195.6	144.2	91.6	44.6	12.2	0.0
15°	256.1	198.9	147.0	93.5	45.4	12.4	0.0
12.5°	260.0	201.7	149.3	95.1	46.1	12.5	0.0
10°	263.1	204.0	151.3	96.4	46.7	12.6	0.0
7.5°	265.6	205.8	152.8	97.4	47.2	12.7	0.0
5°	267.4	207.1	153.8	98.1	47.5	12.8	0.0
2.5°	268.4	207.8	154.5	98.6	47.7	12.8	0.0
0°	268.8	208.1	154.7	98.7	47.8	12.8	0.0
-2.5°	268.4	207.8	154.5	98.6	47.7	12.8	0.0
-5°	267.4	207.1	153.8	98.1	47.5	12.8	0.0
-7.5°	265.6	205.8	152.8	97.4	47.2	12.7	0.0
-10°	263.1	204.0	151.3	96.4	46.7	12.6	0.0
-12.5°	260.0	201.7	149.3	95.1	46.1	12.5	0.0
-15°	256.1	198.9	147.0	93.5	45.4	12.4	0.0
-17.5°	251.6	195.6	144.2	91.6	44.6	12.2	0.0
-20°	246.4	191.8	141.1	89.4	43.6	12.0	0.0

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CATALOG NUMBER: GFLD-SA2B-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	240.5	187.5	137.5	87.0	42.5	11.8	0.0
-25°	234.0	182.7	133.5	84.3	41.2	11.6	0.0
-27.5°	226.8	177.5	129.2	81.4	39.9	11.4	0.0
-30°	219.1	171.9	124.4	78.1	38.4	11.1	0.0
-32.5°	210.7	165.8	119.3	74.7	36.8	10.8	0.0
-35°	202.6	159.2	113.9	71.0	35.1	10.5	0.0
-37.5°	194.2	152.2	108.1	67.0	33.3	10.2	0.0
-40°	185.4	144.5	101.9	62.8	31.4	9.8	0.0
-42.5°	176.1	136.4	95.8	58.4	29.4	9.4	0.0
-45°	166.3	127.9	89.6	53.8	27.3	9.0	0.0
-47.5°	156.2	119.0	83.2	49.0	25.1	8.6	0.0
-50°	145.2	109.8	76.5	45.2	22.8	8.2	0.0
-52.5°	133.8	100.3	69.5	41.6	20.4	7.8	0.0
-55°	121.9	91.2	62.4	37.9	17.9	7.3	0.0
-57.5°	109.8	82.0	55.0	34.1	15.4	6.9	0.0
-60°	97.4	72.5	47.5	30.2	12.8	6.4	0.0
-62.5°	85.7	62.8	42.2	26.2	11.8	5.9	0.0
-65°	73.9	52.9	36.7	22.1	10.8	5.4	0.0
-67.5°	61.7	44.3	31.1	17.9	9.8	4.9	0.0
-70°	49.4	37.2	25.5	13.6	8.7	4.4	0.0
-72.5°	40.3	30.0	19.7	11.5	7.7	3.8	0.0
-75°	31.6	22.8	13.9	9.9	6.6	3.3	0.0
-77.5°	22.8	15.4	11.0	8.3	5.5	2.8	0.0
-80°	13.9	11.0	8.8	6.6	4.4	2.2	0.0
-82.5°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
-85°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
-87.5°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)