

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: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6E-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645584 (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-SA6E-722-U-LAM-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

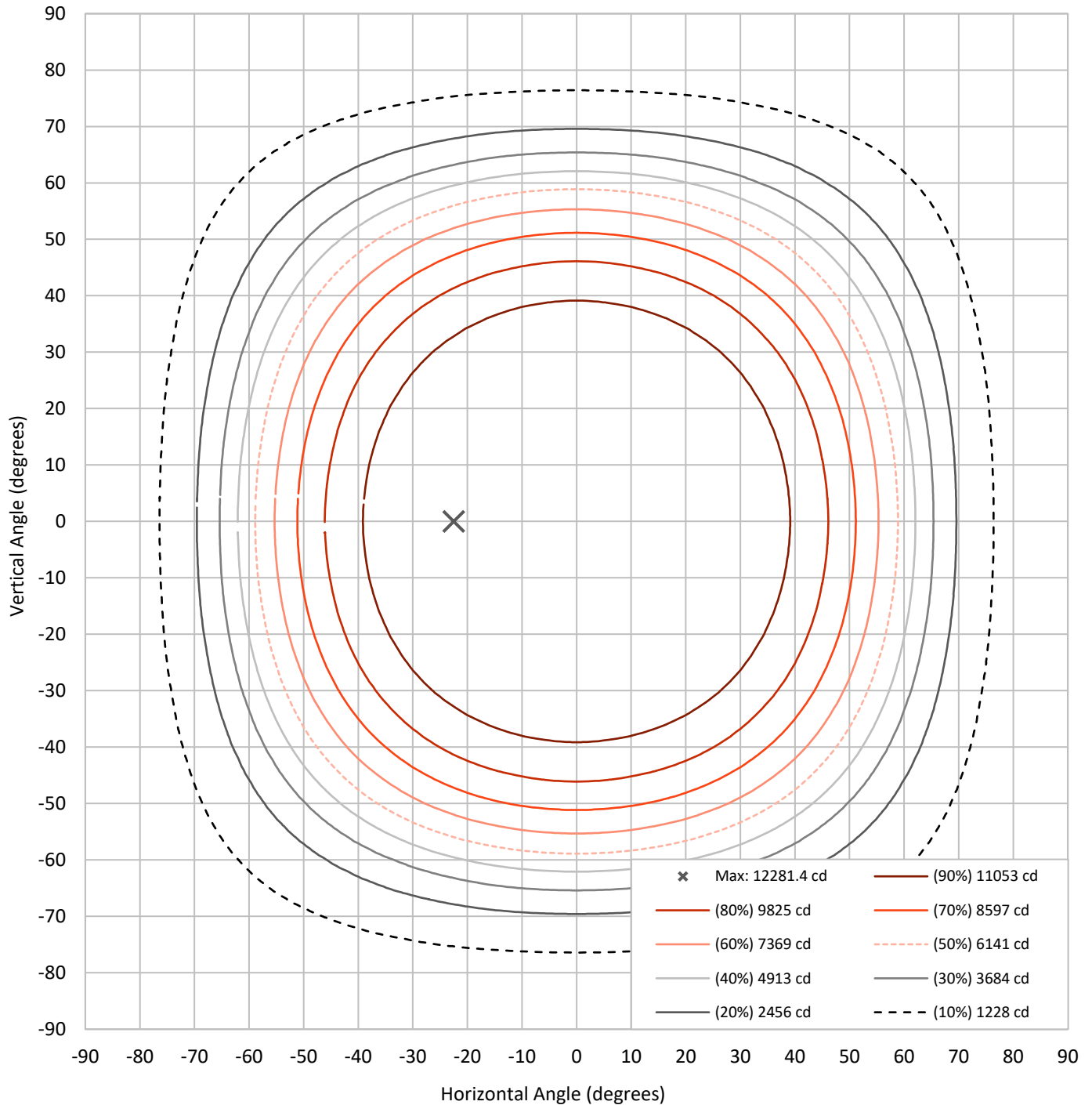
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	37569.4 lumens	Max Intensity:	12281.4 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	99.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	31266 lumens	Field Lumens:	36830.6 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	376.7		
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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CATALOG NUMBER: GFLD-SA6E-722-U-LAM-XX

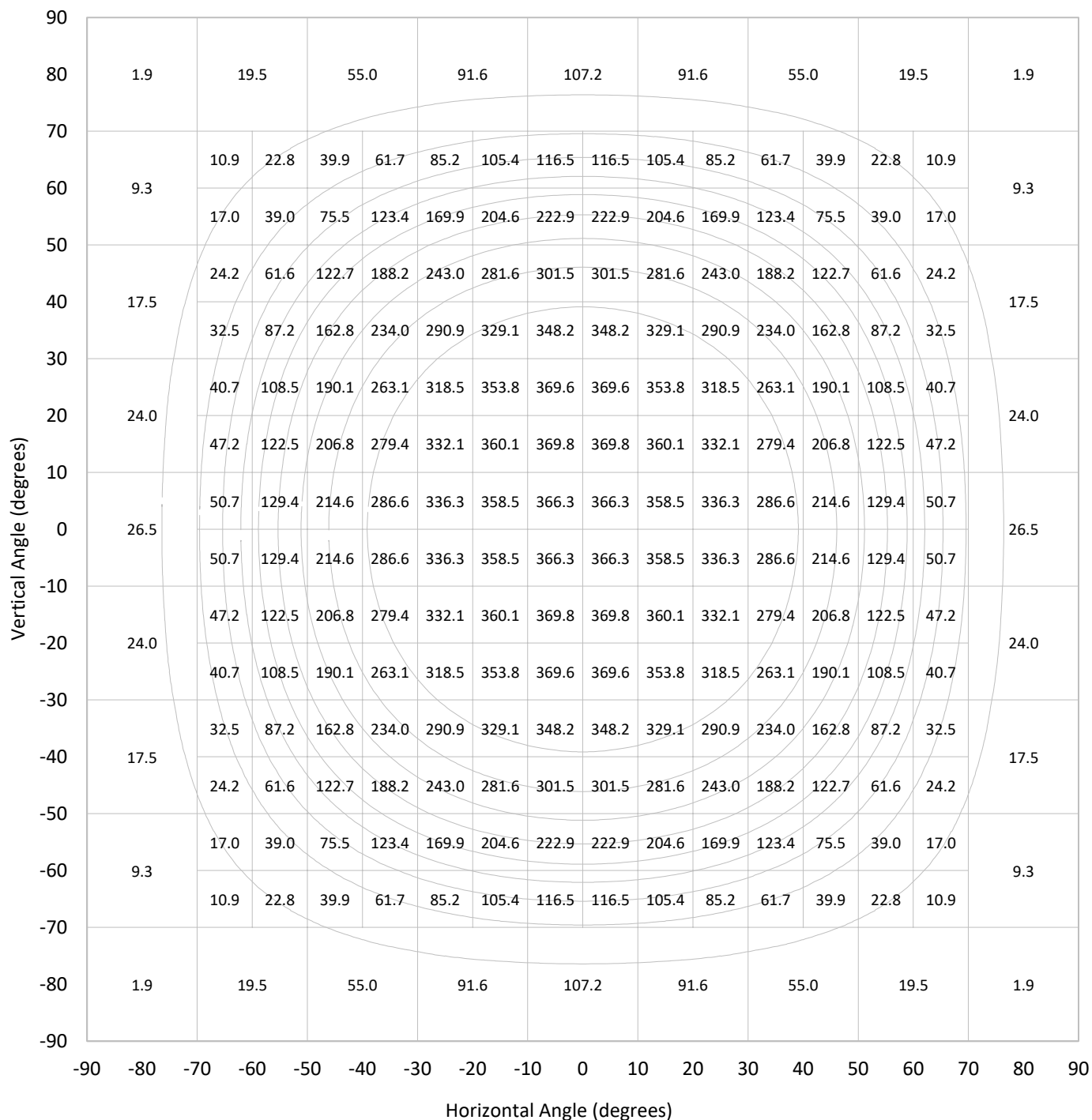
Iso-Candela Plot





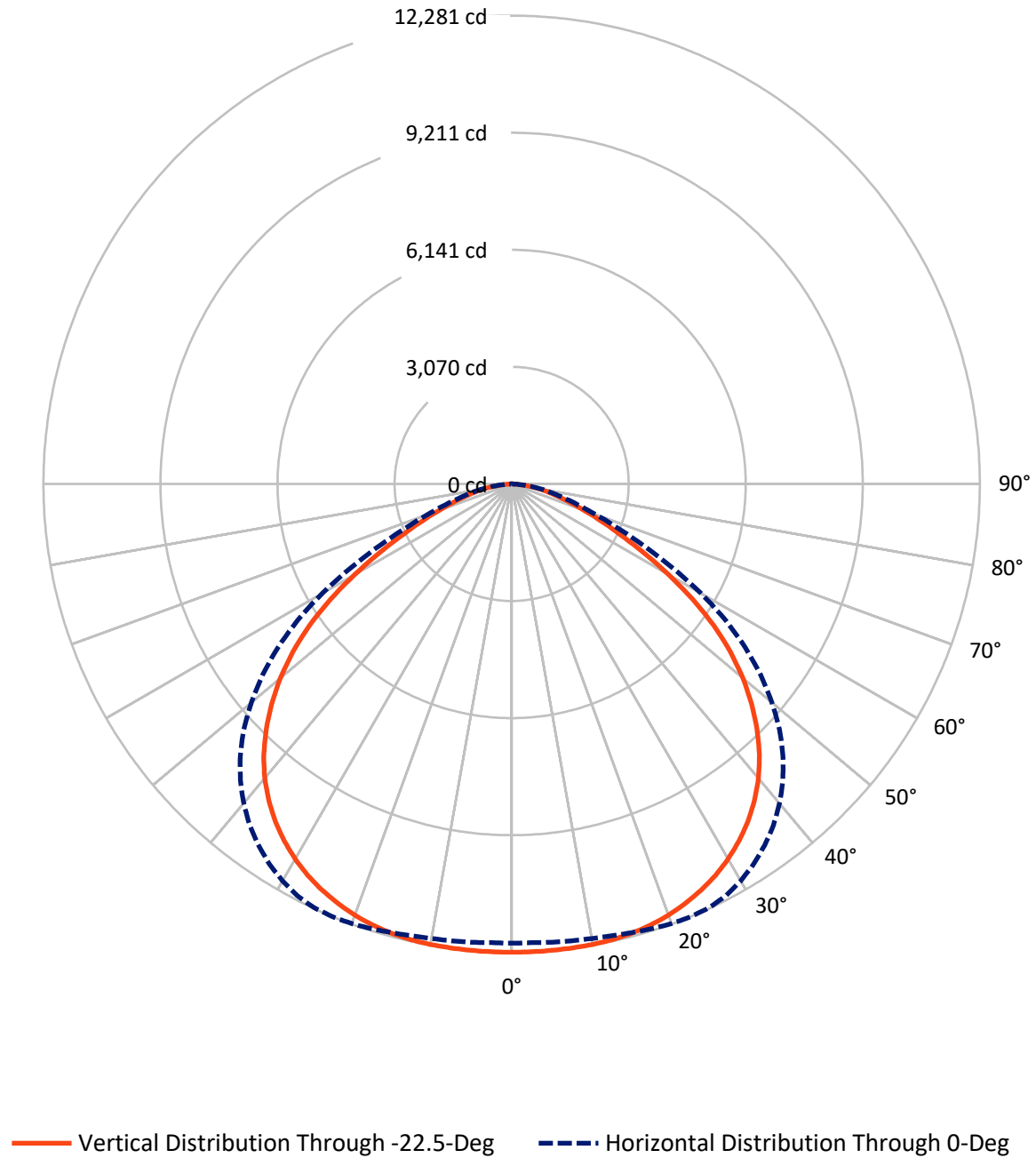
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 CATALOG NUMBER: GFLD-SA6E-722-U-LAM-XX

Lumen Table



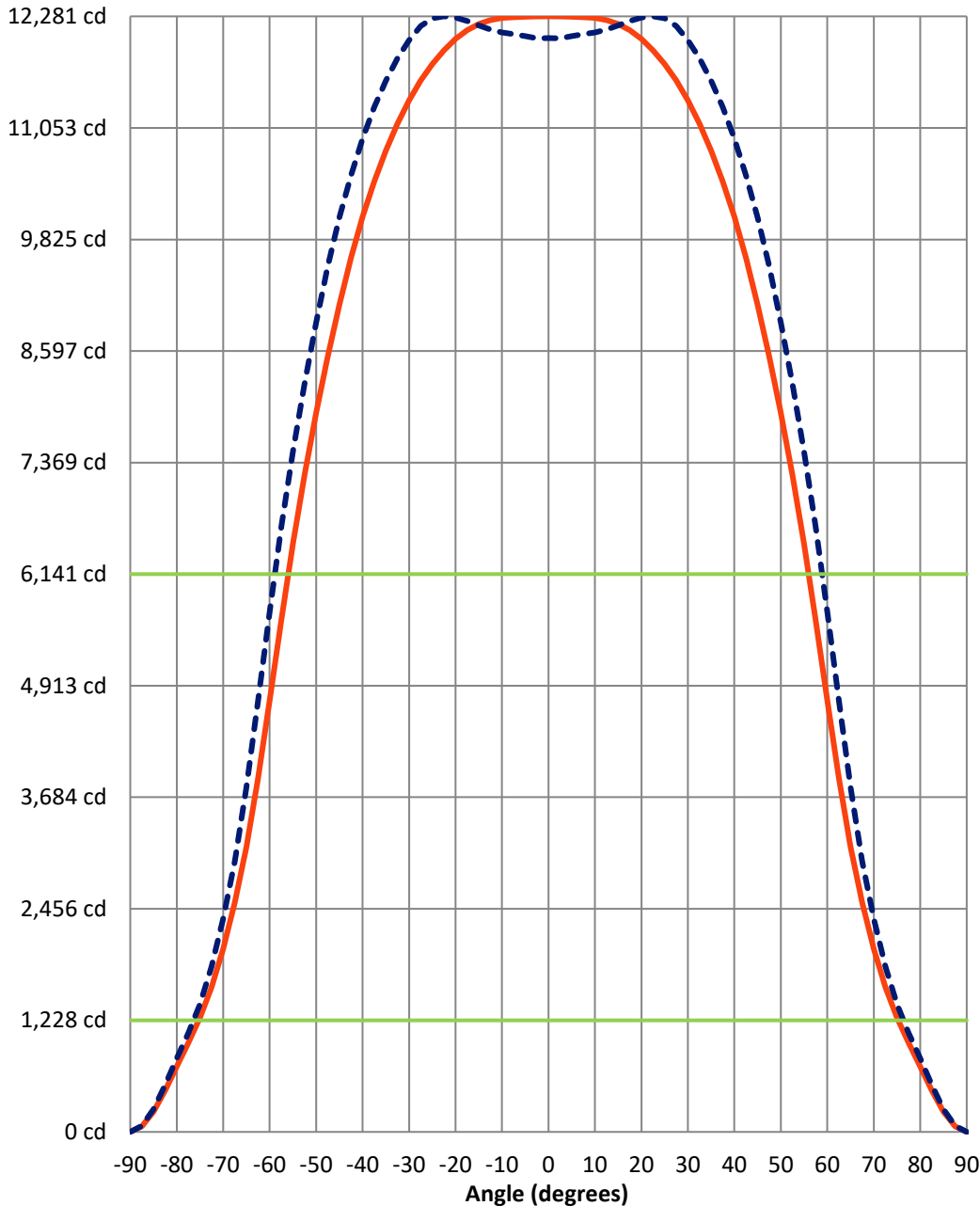
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CATALOG NUMBER: GFLD-SA6E-722-U-LAM-XX

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 31266
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 36830.6
 Efficiency: 98.0%

Spill:
 Lumens: 738.9
 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	2.9	5.9	8.8	11.7	14.5	17.4	20.2	23.0	25.7	28.4
85°	0.0	5.9	11.7	17.5	23.3	29.1	34.7	40.4	45.9	51.4	56.7
82.5°	0.0	8.8	17.5	26.2	34.9	43.5	52.0	60.5	71.5	93.7	115.6
80°	0.0	11.7	23.3	34.9	46.4	57.9	72.7	103.2	133.3	163.0	192.1
77.5°	0.0	14.5	29.1	43.5	57.9	80.7	119.2	157.2	194.7	231.7	276.3
75°	0.0	17.4	34.7	52.0	72.7	119.2	165.2	210.7	258.3	322.7	386.1
72.5°	0.0	20.2	40.4	60.5	103.2	157.2	210.7	269.9	346.0	421.1	494.8
70°	0.0	23.0	45.9	71.5	133.3	194.7	258.3	346.0	432.7	518.4	611.0
67.5°	0.0	25.7	51.4	93.7	163.0	231.7	322.7	421.1	518.4	623.9	727.7
65°	0.0	28.4	56.7	115.6	192.1	276.3	386.1	494.8	611.0	727.7	841.2
62.5°	0.0	31.0	62.0	137.0	220.6	328.2	448.3	572.4	701.9	828.8	949.0
60°	0.0	33.6	67.1	158.0	248.5	379.0	509.1	650.4	790.9	924.2	1054.8
57.5°	0.0	36.1	80.7	178.4	287.5	428.5	573.8	726.7	874.8	1017.5	1167.6
55°	0.0	38.5	93.9	198.3	326.1	476.8	637.5	800.9	955.7	1111.2	1282.3
52.5°	0.0	40.9	106.8	217.6	363.6	524.4	699.4	870.2	1034.4	1211.6	1393.9
50°	0.0	43.2	119.2	236.2	399.8	574.3	759.3	936.9	1113.8	1309.1	1532.6
47.5°	0.0	45.4	131.2	256.2	434.8	622.4	816.8	1001.4	1197.5	1403.4	1670.4
45°	0.0	47.5	142.7	281.4	468.4	668.7	869.9	1063.4	1278.1	1522.1	1803.3
42.5°	0.0	49.5	153.7	305.5	500.6	713.1	920.8	1127.6	1355.5	1636.8	1960.0
40°	0.0	51.5	164.3	328.5	532.9	755.5	969.4	1192.1	1437.0	1746.5	2114.8
37.5°	0.0	53.3	174.3	350.4	565.0	795.7	1015.6	1253.5	1529.5	1858.7	2262.4
35°	0.0	55.0	183.7	371.0	595.4	832.6	1059.4	1311.6	1617.1	1984.0	2413.1
32.5°	0.0	56.7	192.6	390.4	624.0	866.8	1102.1	1366.4	1699.6	2102.1	2571.4
30°	0.0	58.2	200.8	408.6	650.6	898.7	1145.8	1421.3	1776.9	2212.8	2719.9
27.5°	0.0	59.6	208.5	425.4	675.4	928.4	1186.3	1483.8	1855.8	2315.7	2858.1
25°	0.0	60.9	215.6	440.8	698.2	955.6	1223.6	1541.3	1939.5	2422.9	2987.2
22.5°	0.0	62.1	222.0	454.9	718.9	980.5	1257.7	1593.7	2015.9	2526.8	3137.9
20°	0.0	63.1	227.8	467.6	737.6	1002.9	1288.3	1641.0	2084.8	2620.6	3274.1
17.5°	0.0	64.1	232.9	478.9	754.2	1022.7	1315.5	1683.0	2146.0	2703.9	3395.2
15°	0.0	64.9	237.4	488.7	768.6	1040.1	1339.2	1719.6	2199.4	2776.6	3500.9
12.5°	0.0	65.6	241.2	497.0	780.9	1054.8	1359.4	1750.7	2244.8	2838.5	3590.9
10°	0.0	66.2	244.3	503.8	790.9	1066.8	1375.9	1776.3	2282.1	2889.3	3664.9
7.5°	0.0	66.6	246.8	509.1	798.8	1076.3	1388.8	1796.3	2311.2	2929.1	3722.7
5°	0.0	66.9	248.5	512.9	804.4	1083.0	1398.1	1810.5	2332.1	2957.5	3764.1
2.5°	0.0	67.1	249.6	515.2	807.8	1087.0	1403.6	1819.1	2344.6	2974.6	3789.0
0°	0.0	67.2	249.9	516.0	808.9	1088.4	1405.5	1822.0	2348.8	2980.3	3797.3
-2.5°	0.0	67.1	249.6	515.2	807.8	1087.0	1403.6	1819.1	2344.6	2974.6	3789.0
-5°	0.0	66.9	248.5	512.9	804.4	1083.0	1398.1	1810.5	2332.1	2957.5	3764.1
-7.5°	0.0	66.6	246.8	509.1	798.8	1076.3	1388.8	1796.3	2311.2	2929.1	3722.7
-10°	0.0	66.2	244.3	503.8	790.9	1066.8	1375.9	1776.3	2282.1	2889.3	3664.9
-12.5°	0.0	65.6	241.2	497.0	780.9	1054.8	1359.4	1750.7	2244.8	2838.5	3590.9
-15°	0.0	64.9	237.4	488.7	768.6	1040.1	1339.2	1719.6	2199.4	2776.6	3500.9
-17.5°	0.0	64.1	232.9	478.9	754.2	1022.7	1315.5	1683.0	2146.0	2703.9	3395.2
-20°	0.0	63.1	227.8	467.6	737.6	1002.9	1288.3	1641.0	2084.8	2620.6	3274.1



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CATALOG NUMBER: GFLD-SA6E-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	62.1	222.0	454.9	718.9	980.5	1257.7	1593.7	2015.9	2526.8	3137.9
-25°	0.0	60.9	215.6	440.8	698.2	955.6	1223.6	1541.3	1939.5	2422.9	2987.2
-27.5°	0.0	59.6	208.5	425.4	675.4	928.4	1186.3	1483.8	1855.8	2315.7	2858.1
-30°	0.0	58.2	200.8	408.6	650.6	898.7	1145.8	1421.3	1776.9	2212.8	2719.9
-32.5°	0.0	56.7	192.6	390.4	624.0	866.8	1102.1	1366.4	1699.6	2102.1	2571.4
-35°	0.0	55.0	183.7	371.0	595.4	832.6	1059.4	1311.6	1617.1	1984.0	2413.1
-37.5°	0.0	53.3	174.3	350.4	565.0	795.7	1015.6	1253.5	1529.5	1858.7	2262.4
-40°	0.0	51.5	164.3	328.5	532.9	755.5	969.4	1192.1	1437.0	1746.5	2114.8
-42.5°	0.0	49.5	153.7	305.5	500.6	713.1	920.8	1127.6	1355.5	1636.8	1960.0
-45°	0.0	47.5	142.7	281.4	468.4	668.7	869.9	1063.4	1278.1	1522.1	1803.3
-47.5°	0.0	45.4	131.2	256.2	434.8	622.4	816.8	1001.4	1197.5	1403.4	1670.4
-50°	0.0	43.2	119.2	236.2	399.8	574.3	759.3	936.9	1113.8	1309.1	1532.6
-52.5°	0.0	40.9	106.8	217.6	363.6	524.4	699.4	870.2	1034.4	1211.6	1393.9
-55°	0.0	38.5	93.9	198.3	326.1	476.8	637.5	800.9	955.7	1111.2	1282.3
-57.5°	0.0	36.1	80.7	178.4	287.5	428.5	573.8	726.7	874.8	1017.5	1167.6
-60°	0.0	33.6	67.1	158.0	248.5	379.0	509.1	650.4	790.9	924.2	1054.8
-62.5°	0.0	31.0	62.0	137.0	220.6	328.2	448.3	572.4	701.9	828.8	949.0
-65°	0.0	28.4	56.7	115.6	192.1	276.3	386.1	494.8	611.0	727.7	841.2
-67.5°	0.0	25.7	51.4	93.7	163.0	231.7	322.7	421.1	518.4	623.9	727.7
-70°	0.0	23.0	45.9	71.5	133.3	194.7	258.3	346.0	432.7	518.4	611.0
-72.5°	0.0	20.2	40.4	60.5	103.2	157.2	210.7	269.9	346.0	421.1	494.8
-75°	0.0	17.4	34.7	52.0	72.7	119.2	165.2	210.7	258.3	322.7	386.1
-77.5°	0.0	14.5	29.1	43.5	57.9	80.7	119.2	157.2	194.7	231.7	276.3
-80°	0.0	11.7	23.3	34.9	46.4	57.9	72.7	103.2	133.3	163.0	192.1
-82.5°	0.0	8.8	17.5	26.2	34.9	43.5	52.0	60.5	71.5	93.7	115.6
-85°	0.0	5.9	11.7	17.5	23.3	29.1	34.7	40.4	45.9	51.4	56.7
-87.5°	0.0	2.9	5.9	8.8	11.7	14.5	17.4	20.2	23.0	25.7	28.4
-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: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	31.0	33.6	36.1	38.5	40.9	43.2	45.4	47.5	49.5	51.5	53.3
85°	62.0	67.1	80.7	93.9	106.8	119.2	131.2	142.7	153.7	164.3	174.3
82.5°	137.0	158.0	178.4	198.3	217.6	236.2	256.2	281.4	305.5	328.5	350.4
80°	220.6	248.5	287.5	326.1	363.6	399.8	434.8	468.4	500.6	532.9	565.0
77.5°	328.2	379.0	428.5	476.8	524.4	574.3	622.4	668.7	713.1	755.5	795.7
75°	448.3	509.1	573.8	637.5	699.4	759.3	816.8	869.9	920.8	969.4	1015.6
72.5°	572.4	650.4	726.7	800.9	870.2	936.9	1001.4	1063.4	1127.6	1192.1	1253.5
70°	701.9	790.9	874.8	955.7	1034.4	1113.8	1197.5	1278.1	1355.5	1437.0	1529.5
67.5°	828.8	924.2	1017.5	1111.2	1211.6	1309.1	1403.4	1522.1	1636.8	1746.5	1858.7
65°	949.0	1054.8	1167.6	1282.3	1393.9	1532.6	1670.4	1803.3	1960.0	2114.8	2262.4
62.5°	1067.2	1196.0	1325.0	1465.1	1626.3	1783.0	1964.6	2150.1	2328.5	2529.4	2725.0
60°	1196.0	1339.2	1502.8	1683.0	1868.6	2084.8	2294.6	2526.8	2761.0	2987.2	3264.8
57.5°	1325.0	1502.8	1702.0	1916.8	2157.5	2400.4	2673.2	2937.2	3253.8	3570.2	3884.9
55°	1465.1	1683.0	1916.8	2181.8	2459.1	2761.7	3078.1	3446.8	3803.7	4201.3	4582.0
52.5°	1626.3	1868.6	2157.5	2459.1	2791.4	3155.4	3563.6	3985.8	4430.4	4862.1	5285.5
50°	1783.0	2084.8	2400.4	2761.7	3155.4	3602.7	4077.4	4569.1	5054.5	5528.0	5971.4
47.5°	1964.6	2294.6	2673.2	3078.1	3563.6	4077.4	4615.6	5151.4	5674.9	6160.6	6625.8
45°	2150.1	2526.8	2937.2	3446.8	3985.8	4569.1	5151.4	5724.1	6256.0	6757.9	7197.0
42.5°	2328.5	2761.0	3253.8	3803.7	4430.4	5054.5	5674.9	6256.0	6800.9	7284.3	7725.4
40°	2529.4	2987.2	3570.2	4201.3	4862.1	5528.0	6160.6	6757.9	7284.3	7765.6	8212.3
37.5°	2725.0	3264.8	3884.9	4582.0	5285.5	5971.4	6625.8	7197.0	7725.4	8212.3	8640.7
35°	2910.8	3528.7	4219.3	4951.1	5689.6	6387.0	7024.0	7605.5	8130.4	8602.9	9040.9
32.5°	3117.3	3778.2	4535.8	5305.7	6057.8	6768.0	7399.5	7968.3	8490.2	8969.9	9404.9
30°	3330.3	4047.3	4836.1	5639.6	6403.7	7098.3	7728.7	8304.7	8822.4	9296.3	9722.6
27.5°	3528.7	4301.1	5122.7	5941.8	6719.6	7408.1	8030.0	8597.0	9117.7	9594.8	10008.0
25°	3712.0	4535.8	5387.9	6218.4	6985.6	7675.7	8303.1	8869.8	9387.5	9845.4	10247.0
22.5°	3892.9	4750.7	5631.0	6472.2	7230.0	7914.8	8536.6	9104.7	9622.8	10076.4	10461.8
20°	4068.8	4951.1	5845.5	6697.2	7451.7	8132.2	8749.2	9316.2	9820.5	10259.6	10643.3
17.5°	4225.3	5129.5	6033.1	6879.0	7634.1	8317.7	8937.2	9506.2	9998.3	10424.9	10800.0
15°	4362.0	5285.5	6197.2	7038.1	7790.9	8471.8	9091.4	9654.1	10142.9	10566.0	10938.4
12.5°	4478.5	5418.5	6337.2	7174.0	7924.9	8603.7	9223.5	9778.4	10258.9	10676.5	11040.9
10°	4574.3	5528.0	6452.5	7286.0	8035.5	8712.7	9332.7	9881.2	10355.1	10768.4	11126.3
7.5°	4649.2	5613.5	6542.7	7373.7	8122.1	8798.1	9418.4	9962.1	10430.8	10840.7	11193.7
5°	4702.9	5674.9	6607.4	7436.6	8184.3	8859.4	9480.0	10020.2	10485.3	10892.9	11242.3
2.5°	4735.1	5711.8	6646.3	7474.5	8221.7	8896.4	9517.1	10055.3	10518.2	10924.5	11271.8
0°	4745.9	5724.1	6659.3	7487.1	8234.2	8908.7	9529.5	10067.0	10529.2	10935.0	11281.6
-2.5°	4735.1	5711.8	6646.3	7474.5	8221.7	8896.4	9517.1	10055.3	10518.2	10924.5	11271.8
-5°	4702.9	5674.9	6607.4	7436.6	8184.3	8859.4	9480.0	10020.2	10485.3	10892.9	11242.3
-7.5°	4649.2	5613.5	6542.7	7373.7	8122.1	8798.1	9418.4	9962.1	10430.8	10840.7	11193.7
-10°	4574.3	5528.0	6452.5	7286.0	8035.5	8712.7	9332.7	9881.2	10355.1	10768.4	11126.3
-12.5°	4478.5	5418.5	6337.2	7174.0	7924.9	8603.7	9223.5	9778.4	10258.9	10676.5	11040.9
-15°	4362.0	5285.5	6197.2	7038.1	7790.9	8471.8	9091.4	9654.1	10142.9	10566.0	10938.4
-17.5°	4225.3	5129.5	6033.1	6879.0	7634.1	8317.7	8937.2	9506.2	9998.3	10424.9	10800.0
-20°	4068.8	4951.1	5845.5	6697.2	7451.7	8132.2	8749.2	9316.2	9820.5	10259.6	10643.3



REPORT NUMBER: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	3892.9	4750.7	5631.0	6472.2	7230.0	7914.8	8536.6	9104.7	9622.8	10076.4	10461.8
-25°	3712.0	4535.8	5387.9	6218.4	6985.6	7675.7	8303.1	8869.8	9387.5	9845.4	10247.0
-27.5°	3528.7	4301.1	5122.7	5941.8	6719.6	7408.1	8030.0	8597.0	9117.7	9594.8	10008.0
-30°	3330.3	4047.3	4836.1	5639.6	6403.7	7098.3	7728.7	8304.7	8822.4	9296.3	9722.6
-32.5°	3117.3	3778.2	4535.8	5305.7	6057.8	6768.0	7399.5	7968.3	8490.2	8969.9	9404.9
-35°	2910.8	3528.7	4219.3	4951.1	5689.6	6387.0	7024.0	7605.5	8130.4	8602.9	9040.9
-37.5°	2725.0	3264.8	3884.9	4582.0	5285.5	5971.4	6625.8	7197.0	7725.4	8212.3	8640.7
-40°	2529.4	2987.2	3570.2	4201.3	4862.1	5528.0	6160.6	6757.9	7284.3	7765.6	8212.3
-42.5°	2328.5	2761.0	3253.8	3803.7	4430.4	5054.5	5674.9	6256.0	6800.9	7284.3	7725.4
-45°	2150.1	2526.8	2937.2	3446.8	3985.8	4569.1	5151.4	5724.1	6256.0	6757.9	7197.0
-47.5°	1964.6	2294.6	2673.2	3078.1	3563.6	4077.4	4615.6	5151.4	5674.9	6160.6	6625.8
-50°	1783.0	2084.8	2400.4	2761.7	3155.4	3602.7	4077.4	4569.1	5054.5	5528.0	5971.4
-52.5°	1626.3	1868.6	2157.5	2459.1	2791.4	3155.4	3563.6	3985.8	4430.4	4862.1	5285.5
-55°	1465.1	1683.0	1916.8	2181.8	2459.1	2761.7	3078.1	3446.8	3803.7	4201.3	4582.0
-57.5°	1325.0	1502.8	1702.0	1916.8	2157.5	2400.4	2673.2	2937.2	3253.8	3570.2	3884.9
-60°	1196.0	1339.2	1502.8	1683.0	1868.6	2084.8	2294.6	2526.8	2761.0	2987.2	3264.8
-62.5°	1067.2	1196.0	1325.0	1465.1	1626.3	1783.0	1964.6	2150.1	2328.5	2529.4	2725.0
-65°	949.0	1054.8	1167.6	1282.3	1393.9	1532.6	1670.4	1803.3	1960.0	2114.8	2262.4
-67.5°	828.8	924.2	1017.5	1111.2	1211.6	1309.1	1403.4	1522.1	1636.8	1746.5	1858.7
-70°	701.9	790.9	874.8	955.7	1034.4	1113.8	1197.5	1278.1	1355.5	1437.0	1529.5
-72.5°	572.4	650.4	726.7	800.9	870.2	936.9	1001.4	1063.4	1127.6	1192.1	1253.5
-75°	448.3	509.1	573.8	637.5	699.4	759.3	816.8	869.9	920.8	969.4	1015.6
-77.5°	328.2	379.0	428.5	476.8	524.4	574.3	622.4	668.7	713.1	755.5	795.7
-80°	220.6	248.5	287.5	326.1	363.6	399.8	434.8	468.4	500.6	532.9	565.0
-82.5°	137.0	158.0	178.4	198.3	217.6	236.2	256.2	281.4	305.5	328.5	350.4
-85°	62.0	67.1	80.7	93.9	106.8	119.2	131.2	142.7	153.7	164.3	174.3
-87.5°	31.0	33.6	36.1	38.5	40.9	43.2	45.4	47.5	49.5	51.5	53.3
-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: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	55.0	56.7	58.2	59.6	60.9	62.1	63.1	64.1	64.9	65.6	66.2
85°	183.7	192.6	200.8	208.5	215.6	222.0	227.8	232.9	237.4	241.2	244.3
82.5°	371.0	390.4	408.6	425.4	440.8	454.9	467.6	478.9	488.7	497.0	503.8
80°	595.4	624.0	650.6	675.4	698.2	718.9	737.6	754.2	768.6	780.9	790.9
77.5°	832.6	866.8	898.7	928.4	955.6	980.5	1002.9	1022.7	1040.1	1054.8	1066.8
75°	1059.4	1102.1	1145.8	1186.3	1223.6	1257.7	1288.3	1315.5	1339.2	1359.4	1375.9
72.5°	1311.6	1366.4	1421.3	1483.8	1541.3	1593.7	1641.0	1683.0	1719.6	1750.7	1776.3
70°	1617.1	1699.6	1776.9	1855.8	1939.5	2015.9	2084.8	2146.0	2199.4	2244.8	2282.1
67.5°	1984.0	2102.1	2212.8	2315.7	2422.9	2526.8	2620.6	2703.9	2776.6	2838.5	2889.3
65°	2413.1	2571.4	2719.9	2858.1	2987.2	3137.9	3274.1	3395.2	3500.9	3590.9	3664.9
62.5°	2910.8	3117.3	3330.3	3528.7	3712.0	3892.9	4068.8	4225.3	4362.0	4478.5	4574.3
60°	3528.7	3778.2	4047.3	4301.1	4535.8	4750.7	4951.1	5129.5	5285.5	5418.5	5528.0
57.5°	4219.3	4535.8	4836.1	5122.7	5387.9	5631.0	5845.5	6033.1	6197.2	6337.2	6452.5
55°	4951.1	5305.7	5639.6	5941.8	6218.4	6472.2	6697.2	6879.0	7038.1	7174.0	7286.0
52.5°	5689.6	6057.8	6403.7	6719.6	6985.6	7230.0	7451.7	7634.1	7790.9	7924.9	8035.5
50°	6387.0	6768.0	7098.3	7408.1	7675.7	7914.8	8132.2	8317.7	8471.8	8603.7	8712.7
47.5°	7024.0	7399.5	7728.7	8030.0	8303.1	8536.6	8749.2	8937.2	9091.4	9223.5	9332.7
45°	7605.5	7968.3	8304.7	8597.0	8869.8	9104.7	9316.2	9506.2	9654.1	9778.4	9881.2
42.5°	8130.4	8490.2	8822.4	9117.7	9387.5	9622.8	9820.5	9998.3	10142.9	10258.9	10355.1
40°	8602.9	8969.9	9296.3	9594.8	9845.4	10076.4	10259.6	10424.9	10566.0	10676.5	10768.4
37.5°	9040.9	9404.9	9722.6	10008.0	10247.0	10461.8	10643.3	10800.0	10938.4	11040.9	11126.3
35°	9441.4	9787.2	10101.5	10363.1	10600.1	10802.3	10981.0	11125.5	11254.1	11351.8	11429.7
32.5°	9787.2	10130.1	10421.9	10679.5	10910.8	11099.5	11270.8	11403.3	11520.0	11614.1	11686.4
30°	10101.5	10421.9	10706.2	10961.4	11172.1	11355.9	11510.2	11639.6	11747.3	11837.0	11900.7
27.5°	10363.1	10679.5	10961.4	11196.5	11398.3	11575.3	11716.4	11841.0	11935.1	12017.6	12072.4
25°	10600.1	10910.8	11172.1	11398.3	11594.1	11755.6	11890.0	12002.9	12086.3	12157.1	12197.8
22.5°	10802.3	11099.5	11355.9	11575.3	11755.6	11906.6	12033.3	12128.9	12197.2	12239.9	12264.1
20°	10981.0	11270.8	11510.2	11716.4	11890.0	12033.3	12143.3	12213.9	12261.5	12273.2	12280.2
17.5°	11125.5	11403.3	11639.6	11841.0	12002.9	12128.9	12213.9	12263.7	12278.0	12275.4	12268.3
15°	11254.1	11520.0	11747.3	11935.1	12086.3	12197.2	12261.5	12278.0	12273.8	12259.4	12237.3
12.5°	11351.8	11614.1	11837.0	12017.6	12157.1	12239.9	12273.2	12275.4	12259.4	12231.9	12200.4
10°	11429.7	11686.4	11900.7	12072.4	12197.8	12264.1	12280.2	12268.3	12237.3	12200.4	12165.6
7.5°	11491.3	11743.8	11951.3	12116.1	12224.4	12271.5	12275.0	12252.8	12215.4	12173.6	12135.9
5°	11535.9	11785.4	11988.1	12148.0	12244.0	12276.9	12271.1	12240.5	12197.3	12153.5	12119.1
2.5°	11562.9	11810.6	12010.5	12167.4	12255.9	12280.3	12268.7	12232.9	12185.8	12140.7	12107.9
0°	11571.9	11819.1	12018.0	12173.9	12259.9	12281.4	12267.9	12230.3	12181.9	12136.2	12104.0
-2.5°	11562.9	11810.6	12010.5	12167.4	12255.9	12280.3	12268.7	12232.9	12185.8	12140.7	12107.9
-5°	11535.9	11785.4	11988.1	12148.0	12244.0	12276.9	12271.1	12240.5	12197.3	12153.5	12119.1
-7.5°	11491.3	11743.8	11951.3	12116.1	12224.4	12271.5	12275.0	12252.8	12215.4	12173.6	12135.9
-10°	11429.7	11686.4	11900.7	12072.4	12197.8	12264.1	12280.2	12268.3	12237.3	12200.4	12165.6
-12.5°	11351.8	11614.1	11837.0	12017.6	12157.1	12239.9	12273.2	12275.4	12259.4	12231.9	12200.4
-15°	11254.1	11520.0	11747.3	11935.1	12086.3	12197.2	12261.5	12278.0	12273.8	12259.4	12237.3
-17.5°	11125.5	11403.3	11639.6	11841.0	12002.9	12128.9	12213.9	12263.7	12278.0	12275.4	12268.3
-20°	10981.0	11270.8	11510.2	11716.4	11890.0	12033.3	12143.3	12213.9	12261.5	12273.2	12280.2



REPORT NUMBER: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	10802.3	11099.5	11355.9	11575.3	11755.6	11906.6	12033.3	12128.9	12197.2	12239.9	12264.1
-25°	10600.1	10910.8	11172.1	11398.3	11594.1	11755.6	11890.0	12002.9	12086.3	12157.1	12197.8
-27.5°	10363.1	10679.5	10961.4	11196.5	11398.3	11575.3	11716.4	11841.0	11935.1	12017.6	12072.4
-30°	10101.5	10421.9	10706.2	10961.4	11172.1	11355.9	11510.2	11639.6	11747.3	11837.0	11900.7
-32.5°	9787.2	10130.1	10421.9	10679.5	10910.8	11099.5	11270.8	11403.3	11520.0	11614.1	11686.4
-35°	9441.4	9787.2	10101.5	10363.1	10600.1	10802.3	10981.0	11125.5	11254.1	11351.8	11429.7
-37.5°	9040.9	9404.9	9722.6	10008.0	10247.0	10461.8	10643.3	10800.0	10938.4	11040.9	11126.3
-40°	8602.9	8969.9	9296.3	9594.8	9845.4	10076.4	10259.6	10424.9	10566.0	10676.5	10768.4
-42.5°	8130.4	8490.2	8822.4	9117.7	9387.5	9622.8	9820.5	9998.3	10142.9	10258.9	10355.1
-45°	7605.5	7968.3	8304.7	8597.0	8869.8	9104.7	9316.2	9506.2	9654.1	9778.4	9881.2
-47.5°	7024.0	7399.5	7728.7	8030.0	8303.1	8536.6	8749.2	8937.2	9091.4	9223.5	9332.7
-50°	6387.0	6768.0	7098.3	7408.1	7675.7	7914.8	8132.2	8317.7	8471.8	8603.7	8712.7
-52.5°	5689.6	6057.8	6403.7	6719.6	6985.6	7230.0	7451.7	7634.1	7790.9	7924.9	8035.5
-55°	4951.1	5305.7	5639.6	5941.8	6218.4	6472.2	6697.2	6879.0	7038.1	7174.0	7286.0
-57.5°	4219.3	4535.8	4836.1	5122.7	5387.9	5631.0	5845.5	6033.1	6197.2	6337.2	6452.5
-60°	3528.7	3778.2	4047.3	4301.1	4535.8	4750.7	4951.1	5129.5	5285.5	5418.5	5528.0
-62.5°	2910.8	3117.3	3330.3	3528.7	3712.0	3892.9	4068.8	4225.3	4362.0	4478.5	4574.3
-65°	2413.1	2571.4	2719.9	2858.1	2987.2	3137.9	3274.1	3395.2	3500.9	3590.9	3664.9
-67.5°	1984.0	2102.1	2212.8	2315.7	2422.9	2526.8	2620.6	2703.9	2776.6	2838.5	2889.3
-70°	1617.1	1699.6	1776.9	1855.8	1939.5	2015.9	2084.8	2146.0	2199.4	2244.8	2282.1
-72.5°	1311.6	1366.4	1421.3	1483.8	1541.3	1593.7	1641.0	1683.0	1719.6	1750.7	1776.3
-75°	1059.4	1102.1	1145.8	1186.3	1223.6	1257.7	1288.3	1315.5	1339.2	1359.4	1375.9
-77.5°	832.6	866.8	898.7	928.4	955.6	980.5	1002.9	1022.7	1040.1	1054.8	1066.8
-80°	595.4	624.0	650.6	675.4	698.2	718.9	737.6	754.2	768.6	780.9	790.9
-82.5°	371.0	390.4	408.6	425.4	440.8	454.9	467.6	478.9	488.7	497.0	503.8
-85°	183.7	192.6	200.8	208.5	215.6	222.0	227.8	232.9	237.4	241.2	244.3
-87.5°	55.0	56.7	58.2	59.6	60.9	62.1	63.1	64.1	64.9	65.6	66.2
-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: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	66.6	66.9	67.1	67.2	67.1	66.9	66.6	66.2	65.6	64.9	64.1
85°	246.8	248.5	249.6	249.9	249.6	248.5	246.8	244.3	241.2	237.4	232.9
82.5°	509.1	512.9	515.2	516.0	515.2	512.9	509.1	503.8	497.0	488.7	478.9
80°	798.8	804.4	807.8	808.9	807.8	804.4	798.8	790.9	780.9	768.6	754.2
77.5°	1076.3	1083.0	1087.0	1088.4	1087.0	1083.0	1076.3	1066.8	1054.8	1040.1	1022.7
75°	1388.8	1398.1	1403.6	1405.5	1403.6	1398.1	1388.8	1375.9	1359.4	1339.2	1315.5
72.5°	1796.3	1810.5	1819.1	1822.0	1819.1	1810.5	1796.3	1776.3	1750.7	1719.6	1683.0
70°	2311.2	2332.1	2344.6	2348.8	2344.6	2332.1	2311.2	2282.1	2244.8	2199.4	2146.0
67.5°	2929.1	2957.5	2974.6	2980.3	2974.6	2957.5	2929.1	2889.3	2838.5	2776.6	2703.9
65°	3722.7	3764.1	3789.0	3797.3	3789.0	3764.1	3722.7	3664.9	3590.9	3500.9	3395.2
62.5°	4649.2	4702.9	4735.1	4745.9	4735.1	4702.9	4649.2	4574.3	4478.5	4362.0	4225.3
60°	5613.5	5674.9	5711.8	5724.1	5711.8	5674.9	5613.5	5528.0	5418.5	5285.5	5129.5
57.5°	6542.7	6607.4	6646.3	6659.3	6646.3	6607.4	6542.7	6452.5	6337.2	6197.2	6033.1
55°	7373.7	7436.6	7474.5	7487.1	7474.5	7436.6	7373.7	7286.0	7174.0	7038.1	6879.0
52.5°	8122.1	8184.3	8221.7	8234.2	8221.7	8184.3	8122.1	8035.5	7924.9	7790.9	7634.1
50°	8798.1	8859.4	8896.4	8908.7	8896.4	8859.4	8798.1	8712.7	8603.7	8471.8	8317.7
47.5°	9418.4	9480.0	9517.1	9529.5	9517.1	9480.0	9418.4	9332.7	9223.5	9091.4	8937.2
45°	9962.1	10020.2	10055.3	10067.0	10055.3	10020.2	9962.1	9881.2	9778.4	9654.1	9506.2
42.5°	10430.8	10485.3	10518.2	10529.2	10518.2	10485.3	10430.8	10355.1	10258.9	10142.9	9998.3
40°	10840.7	10892.9	10924.5	10935.0	10924.5	10892.9	10840.7	10768.4	10676.5	10566.0	10424.9
37.5°	11193.7	11242.3	11271.8	11281.6	11271.8	11242.3	11193.7	11126.3	11040.9	10938.4	10800.0
35°	11491.3	11535.9	11562.9	11571.9	11562.9	11535.9	11491.3	11429.7	11351.8	11254.1	11125.5
32.5°	11743.8	11785.4	11810.6	11819.1	11810.6	11785.4	11743.8	11686.4	11614.1	11520.0	11403.3
30°	11951.3	11988.1	12010.5	12018.0	12010.5	11988.1	11951.3	11900.7	11837.0	11747.3	11639.6
27.5°	12116.1	12148.0	12167.4	12173.9	12167.4	12148.0	12116.1	12072.4	12017.6	11935.1	11841.0
25°	12224.4	12244.0	12255.9	12259.9	12255.9	12244.0	12224.4	12197.8	12157.1	12086.3	12002.9
22.5°	12271.5	12276.9	12280.3	12281.4	12280.3	12276.9	12271.5	12264.1	12239.9	12197.2	12128.9
20°	12275.0	12271.1	12268.7	12267.9	12268.7	12271.1	12275.0	12280.2	12273.2	12261.5	12213.9
17.5°	12252.8	12240.5	12232.9	12230.3	12232.9	12240.5	12252.8	12268.3	12275.4	12278.0	12263.7
15°	12215.4	12197.3	12185.8	12181.9	12185.8	12197.3	12215.4	12237.3	12259.4	12273.8	12278.0
12.5°	12173.6	12153.5	12140.7	12136.2	12140.7	12153.5	12173.6	12200.4	12231.9	12259.4	12275.4
10°	12135.9	12119.1	12107.9	12104.0	12107.9	12119.1	12135.9	12165.6	12200.4	12237.3	12268.3
7.5°	12111.6	12096.5	12088.2	12085.2	12088.2	12096.5	12111.6	12135.9	12173.6	12215.4	12252.8
5°	12096.5	12081.5	12068.8	12063.7	12068.8	12081.5	12096.5	12119.1	12153.5	12197.3	12240.5
2.5°	12088.2	12068.8	12049.5	12039.5	12049.5	12068.8	12088.2	12107.9	12140.7	12185.8	12232.9
0°	12085.2	12063.7	12039.5	12042.2	12039.5	12063.7	12085.2	12104.0	12136.2	12181.9	12230.3
-2.5°	12088.2	12068.8	12049.5	12039.5	12049.5	12068.8	12088.2	12107.9	12140.7	12185.8	12232.9
-5°	12096.5	12081.5	12068.8	12063.7	12068.8	12081.5	12096.5	12119.1	12153.5	12197.3	12240.5
-7.5°	12111.6	12096.5	12088.2	12085.2	12088.2	12096.5	12111.6	12135.9	12173.6	12215.4	12252.8
-10°	12135.9	12119.1	12107.9	12104.0	12107.9	12119.1	12135.9	12165.6	12200.4	12237.3	12268.3
-12.5°	12173.6	12153.5	12140.7	12136.2	12140.7	12153.5	12173.6	12200.4	12231.9	12259.4	12275.4
-15°	12215.4	12197.3	12185.8	12181.9	12185.8	12197.3	12215.4	12237.3	12259.4	12273.8	12278.0
-17.5°	12252.8	12240.5	12232.9	12230.3	12232.9	12240.5	12252.8	12268.3	12275.4	12278.0	12263.7
-20°	12275.0	12271.1	12268.7	12267.9	12268.7	12271.1	12275.0	12280.2	12273.2	12261.5	12213.9



REPORT NUMBER: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	12271.5	12276.9	12280.3	12281.4	12280.3	12276.9	12271.5	12264.1	12239.9	12197.2	12128.9
-25°	12224.4	12244.0	12255.9	12259.9	12255.9	12244.0	12224.4	12197.8	12157.1	12086.3	12002.9
-27.5°	12116.1	12148.0	12167.4	12173.9	12167.4	12148.0	12116.1	12072.4	12017.6	11935.1	11841.0
-30°	11951.3	11988.1	12010.5	12018.0	12010.5	11988.1	11951.3	11900.7	11837.0	11747.3	11639.6
-32.5°	11743.8	11785.4	11810.6	11819.1	11810.6	11785.4	11743.8	11686.4	11614.1	11520.0	11403.3
-35°	11491.3	11535.9	11562.9	11571.9	11562.9	11535.9	11491.3	11429.7	11351.8	11254.1	11125.5
-37.5°	11193.7	11242.3	11271.8	11281.6	11271.8	11242.3	11193.7	11126.3	11040.9	10938.4	10800.0
-40°	10840.7	10892.9	10924.5	10935.0	10924.5	10892.9	10840.7	10768.4	10676.5	10566.0	10424.9
-42.5°	10430.8	10485.3	10518.2	10529.2	10518.2	10485.3	10430.8	10355.1	10258.9	10142.9	9998.3
-45°	9962.1	10020.2	10055.3	10067.0	10055.3	10020.2	9962.1	9881.2	9778.4	9654.1	9506.2
-47.5°	9418.4	9480.0	9517.1	9529.5	9517.1	9480.0	9418.4	9332.7	9223.5	9091.4	8937.2
-50°	8798.1	8859.4	8896.4	8908.7	8896.4	8859.4	8798.1	8712.7	8603.7	8471.8	8317.7
-52.5°	8122.1	8184.3	8221.7	8234.2	8221.7	8184.3	8122.1	8035.5	7924.9	7790.9	7634.1
-55°	7373.7	7436.6	7474.5	7487.1	7474.5	7436.6	7373.7	7286.0	7174.0	7038.1	6879.0
-57.5°	6542.7	6607.4	6646.3	6659.3	6646.3	6607.4	6542.7	6452.5	6337.2	6197.2	6033.1
-60°	5613.5	5674.9	5711.8	5724.1	5711.8	5674.9	5613.5	5528.0	5418.5	5285.5	5129.5
-62.5°	4649.2	4702.9	4735.1	4745.9	4735.1	4702.9	4649.2	4574.3	4478.5	4362.0	4225.3
-65°	3722.7	3764.1	3789.0	3797.3	3789.0	3764.1	3722.7	3664.9	3590.9	3500.9	3395.2
-67.5°	2929.1	2957.5	2974.6	2980.3	2974.6	2957.5	2929.1	2889.3	2838.5	2776.6	2703.9
-70°	2311.2	2332.1	2344.6	2348.8	2344.6	2332.1	2311.2	2282.1	2244.8	2199.4	2146.0
-72.5°	1796.3	1810.5	1819.1	1822.0	1819.1	1810.5	1796.3	1776.3	1750.7	1719.6	1683.0
-75°	1388.8	1398.1	1403.6	1405.5	1403.6	1398.1	1388.8	1375.9	1359.4	1339.2	1315.5
-77.5°	1076.3	1083.0	1087.0	1088.4	1087.0	1083.0	1076.3	1066.8	1054.8	1040.1	1022.7
-80°	798.8	804.4	807.8	808.9	807.8	804.4	798.8	790.9	780.9	768.6	754.2
-82.5°	509.1	512.9	515.2	516.0	515.2	512.9	509.1	503.8	497.0	488.7	478.9
-85°	246.8	248.5	249.6	249.9	249.6	248.5	246.8	244.3	241.2	237.4	232.9
-87.5°	66.6	66.9	67.1	67.2	67.1	66.9	66.6	66.2	65.6	64.9	64.1
-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: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	63.1	62.1	60.9	59.6	58.2	56.7	55.0	53.3	51.5	49.5	47.5
85°	227.8	222.0	215.6	208.5	200.8	192.6	183.7	174.3	164.3	153.7	142.7
82.5°	467.6	454.9	440.8	425.4	408.6	390.4	371.0	350.4	328.5	305.5	281.4
80°	737.6	718.9	698.2	675.4	650.6	624.0	595.4	565.0	532.9	500.6	468.4
77.5°	1002.9	980.5	955.6	928.4	898.7	866.8	832.6	795.7	755.5	713.1	668.7
75°	1288.3	1257.7	1223.6	1186.3	1145.8	1102.1	1059.4	1015.6	969.4	920.8	869.9
72.5°	1641.0	1593.7	1541.3	1483.8	1421.3	1366.4	1311.6	1253.5	1192.1	1127.6	1063.4
70°	2084.8	2015.9	1939.5	1855.8	1776.9	1699.6	1617.1	1529.5	1437.0	1355.5	1278.1
67.5°	2620.6	2526.8	2422.9	2315.7	2212.8	2102.1	1984.0	1858.7	1746.5	1636.8	1522.1
65°	3274.1	3137.9	2987.2	2858.1	2719.9	2571.4	2413.1	2262.4	2114.8	1960.0	1803.3
62.5°	4068.8	3892.9	3712.0	3528.7	3330.3	3117.3	2910.8	2725.0	2529.4	2328.5	2150.1
60°	4951.1	4750.7	4535.8	4301.1	4047.3	3778.2	3528.7	3264.8	2987.2	2761.0	2526.8
57.5°	5845.5	5631.0	5387.9	5122.7	4836.1	4535.8	4219.3	3884.9	3570.2	3253.8	2937.2
55°	6697.2	6472.2	6218.4	5941.8	5639.6	5305.7	4951.1	4582.0	4201.3	3803.7	3446.8
52.5°	7451.7	7230.0	6985.6	6719.6	6403.7	6057.8	5689.6	5285.5	4862.1	4430.4	3985.8
50°	8132.2	7914.8	7675.7	7408.1	7098.3	6768.0	6387.0	5971.4	5528.0	5054.5	4569.1
47.5°	8749.2	8536.6	8303.1	8030.0	7728.7	7399.5	7024.0	6625.8	6160.6	5674.9	5151.4
45°	9316.2	9104.7	8869.8	8597.0	8304.7	7968.3	7605.5	7197.0	6757.9	6256.0	5724.1
42.5°	9820.5	9622.8	9387.5	9117.7	8822.4	8490.2	8130.4	7725.4	7284.3	6800.9	6256.0
40°	10259.6	10076.4	9845.4	9594.8	9296.3	8969.9	8602.9	8212.3	7765.6	7284.3	6757.9
37.5°	10643.3	10461.8	10247.0	10008.0	9722.6	9404.9	9040.9	8640.7	8212.3	7725.4	7197.0
35°	10981.0	10802.3	10600.1	10363.1	10101.5	9787.2	9441.4	9040.9	8602.9	8130.4	7605.5
32.5°	11270.8	11099.5	10910.8	10679.5	10421.9	10130.1	9787.2	9404.9	8969.9	8490.2	7968.3
30°	11510.2	11355.9	11172.1	10961.4	10706.2	10421.9	10101.5	9722.6	9296.3	8822.4	8304.7
27.5°	11716.4	11575.3	11398.3	11196.5	10961.4	10679.5	10363.1	10008.0	9594.8	9117.7	8597.0
25°	11890.0	11755.6	11594.1	11398.3	11172.1	10910.8	10600.1	10247.0	9845.4	9387.5	8869.8
22.5°	12033.3	11906.6	11755.6	11575.3	11355.9	11099.5	10802.3	10461.8	10076.4	9622.8	9104.7
20°	12143.3	12033.3	11890.0	11716.4	11510.2	11270.8	10981.0	10643.3	10259.6	9820.5	9316.2
17.5°	12213.9	12128.9	12002.9	11841.0	11639.6	11403.3	11125.5	10800.0	10424.9	9998.3	9506.2
15°	12261.5	12197.2	12086.3	11935.1	11747.3	11520.0	11254.1	10938.4	10566.0	10142.9	9654.1
12.5°	12273.2	12239.9	12157.1	12017.6	11837.0	11614.1	11351.8	11040.9	10676.5	10258.9	9778.4
10°	12280.2	12264.1	12197.8	12072.4	11900.7	11686.4	11429.7	11126.3	10768.4	10355.1	9881.2
7.5°	12275.0	12271.5	12224.4	12116.1	11951.3	11743.8	11491.3	11193.7	10840.7	10430.8	9962.1
5°	12271.1	12276.9	12244.0	12148.0	11988.1	11785.4	11535.9	11242.3	10892.9	10485.3	10020.2
2.5°	12268.7	12280.3	12255.9	12167.4	12010.5	11810.6	11562.9	11271.8	10924.5	10518.2	10055.3
0°	12267.9	12281.4	12259.9	12173.9	12018.0	11819.1	11571.9	11281.6	10935.0	10529.2	10067.0
-2.5°	12268.7	12280.3	12255.9	12167.4	12010.5	11810.6	11562.9	11271.8	10924.5	10518.2	10055.3
-5°	12271.1	12276.9	12244.0	12148.0	11988.1	11785.4	11535.9	11242.3	10892.9	10485.3	10020.2
-7.5°	12275.0	12271.5	12224.4	12116.1	11951.3	11743.8	11491.3	11193.7	10840.7	10430.8	9962.1
-10°	12280.2	12264.1	12197.8	12072.4	11900.7	11686.4	11429.7	11126.3	10768.4	10355.1	9881.2
-12.5°	12273.2	12239.9	12157.1	12017.6	11837.0	11614.1	11351.8	11040.9	10676.5	10258.9	9778.4
-15°	12261.5	12197.2	12086.3	11935.1	11747.3	11520.0	11254.1	10938.4	10566.0	10142.9	9654.1
-17.5°	12213.9	12128.9	12002.9	11841.0	11639.6	11403.3	11125.5	10800.0	10424.9	9998.3	9506.2
-20°	12143.3	12033.3	11890.0	11716.4	11510.2	11270.8	10981.0	10643.3	10259.6	9820.5	9316.2



REPORT NUMBER: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	12033.3	11906.6	11755.6	11575.3	11355.9	11099.5	10802.3	10461.8	10076.4	9622.8	9104.7
-25°	11890.0	11755.6	11594.1	11398.3	11172.1	10910.8	10600.1	10247.0	9845.4	9387.5	8869.8
-27.5°	11716.4	11575.3	11398.3	11196.5	10961.4	10679.5	10363.1	10008.0	9594.8	9117.7	8597.0
-30°	11510.2	11355.9	11172.1	10961.4	10706.2	10421.9	10101.5	9722.6	9296.3	8822.4	8304.7
-32.5°	11270.8	11099.5	10910.8	10679.5	10421.9	10130.1	9787.2	9404.9	8969.9	8490.2	7968.3
-35°	10981.0	10802.3	10600.1	10363.1	10101.5	9787.2	9441.4	9040.9	8602.9	8130.4	7605.5
-37.5°	10643.3	10461.8	10247.0	10008.0	9722.6	9404.9	9040.9	8640.7	8212.3	7725.4	7197.0
-40°	10259.6	10076.4	9845.4	9594.8	9296.3	8969.9	8602.9	8212.3	7765.6	7284.3	6757.9
-42.5°	9820.5	9622.8	9387.5	9117.7	8822.4	8490.2	8130.4	7725.4	7284.3	6800.9	6256.0
-45°	9316.2	9104.7	8869.8	8597.0	8304.7	7968.3	7605.5	7197.0	6757.9	6256.0	5724.1
-47.5°	8749.2	8536.6	8303.1	8030.0	7728.7	7399.5	7024.0	6625.8	6160.6	5674.9	5151.4
-50°	8132.2	7914.8	7675.7	7408.1	7098.3	6768.0	6387.0	5971.4	5528.0	5054.5	4569.1
-52.5°	7451.7	7230.0	6985.6	6719.6	6403.7	6057.8	5689.6	5285.5	4862.1	4430.4	3985.8
-55°	6697.2	6472.2	6218.4	5941.8	5639.6	5305.7	4951.1	4582.0	4201.3	3803.7	3446.8
-57.5°	5845.5	5631.0	5387.9	5122.7	4836.1	4535.8	4219.3	3884.9	3570.2	3253.8	2937.2
-60°	4951.1	4750.7	4535.8	4301.1	4047.3	3778.2	3528.7	3264.8	2987.2	2761.0	2526.8
-62.5°	4068.8	3892.9	3712.0	3528.7	3330.3	3117.3	2910.8	2725.0	2529.4	2328.5	2150.1
-65°	3274.1	3137.9	2987.2	2858.1	2719.9	2571.4	2413.1	2262.4	2114.8	1960.0	1803.3
-67.5°	2620.6	2526.8	2422.9	2315.7	2212.8	2102.1	1984.0	1858.7	1746.5	1636.8	1522.1
-70°	2084.8	2015.9	1939.5	1855.8	1776.9	1699.6	1617.1	1529.5	1437.0	1355.5	1278.1
-72.5°	1641.0	1593.7	1541.3	1483.8	1421.3	1366.4	1311.6	1253.5	1192.1	1127.6	1063.4
-75°	1288.3	1257.7	1223.6	1186.3	1145.8	1102.1	1059.4	1015.6	969.4	920.8	869.9
-77.5°	1002.9	980.5	955.6	928.4	898.7	866.8	832.6	795.7	755.5	713.1	668.7
-80°	737.6	718.9	698.2	675.4	650.6	624.0	595.4	565.0	532.9	500.6	468.4
-82.5°	467.6	454.9	440.8	425.4	408.6	390.4	371.0	350.4	328.5	305.5	281.4
-85°	227.8	222.0	215.6	208.5	200.8	192.6	183.7	174.3	164.3	153.7	142.7
-87.5°	63.1	62.1	60.9	59.6	58.2	56.7	55.0	53.3	51.5	49.5	47.5
-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: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	45.4	43.2	40.9	38.5	36.1	33.6	31.0	28.4	25.7	23.0	20.2
85°	131.2	119.2	106.8	93.9	80.7	67.1	62.0	56.7	51.4	45.9	40.4
82.5°	256.2	236.2	217.6	198.3	178.4	158.0	137.0	115.6	93.7	71.5	60.5
80°	434.8	399.8	363.6	326.1	287.5	248.5	220.6	192.1	163.0	133.3	103.2
77.5°	622.4	574.3	524.4	476.8	428.5	379.0	328.2	276.3	231.7	194.7	157.2
75°	816.8	759.3	699.4	637.5	573.8	509.1	448.3	386.1	322.7	258.3	210.7
72.5°	1001.4	936.9	870.2	800.9	726.7	650.4	572.4	494.8	421.1	346.0	269.9
70°	1197.5	1113.8	1034.4	955.7	874.8	790.9	701.9	611.0	518.4	432.7	346.0
67.5°	1403.4	1309.1	1211.6	1111.2	1017.5	924.2	828.8	727.7	623.9	518.4	421.1
65°	1670.4	1532.6	1393.9	1282.3	1167.6	1054.8	949.0	841.2	727.7	611.0	494.8
62.5°	1964.6	1783.0	1626.3	1465.1	1325.0	1196.0	1067.2	949.0	828.8	701.9	572.4
60°	2294.6	2084.8	1868.6	1683.0	1502.8	1339.2	1196.0	1054.8	924.2	790.9	650.4
57.5°	2673.2	2400.4	2157.5	1916.8	1702.0	1502.8	1325.0	1167.6	1017.5	874.8	726.7
55°	3078.1	2761.7	2459.1	2181.8	1916.8	1683.0	1465.1	1282.3	1111.2	955.7	800.9
52.5°	3563.6	3155.4	2791.4	2459.1	2157.5	1868.6	1626.3	1393.9	1211.6	1034.4	870.2
50°	4077.4	3602.7	3155.4	2761.7	2400.4	2084.8	1783.0	1532.6	1309.1	1113.8	936.9
47.5°	4615.6	4077.4	3563.6	3078.1	2673.2	2294.6	1964.6	1670.4	1403.4	1197.5	1001.4
45°	5151.4	4569.1	3985.8	3446.8	2937.2	2526.8	2150.1	1803.3	1522.1	1278.1	1063.4
42.5°	5674.9	5054.5	4430.4	3803.7	3253.8	2761.0	2328.5	1960.0	1636.8	1355.5	1127.6
40°	6160.6	5528.0	4862.1	4201.3	3570.2	2987.2	2529.4	2114.8	1746.5	1437.0	1192.1
37.5°	6625.8	5971.4	5285.5	4582.0	3884.9	3264.8	2725.0	2262.4	1858.7	1529.5	1253.5
35°	7024.0	6387.0	5689.6	4951.1	4219.3	3528.7	2910.8	2413.1	1984.0	1617.1	1311.6
32.5°	7399.5	6768.0	6057.8	5305.7	4535.8	3778.2	3117.3	2571.4	2102.1	1699.6	1366.4
30°	7728.7	7098.3	6403.7	5639.6	4836.1	4047.3	3330.3	2719.9	2212.8	1776.9	1421.3
27.5°	8030.0	7408.1	6719.6	5941.8	5122.7	4301.1	3528.7	2858.1	2315.7	1855.8	1483.8
25°	8303.1	7675.7	6985.6	6218.4	5387.9	4535.8	3712.0	2987.2	2422.9	1939.5	1541.3
22.5°	8536.6	7914.8	7230.0	6472.2	5631.0	4750.7	3892.9	3137.9	2526.8	2015.9	1593.7
20°	8749.2	8132.2	7451.7	6697.2	5845.5	4951.1	4068.8	3274.1	2620.6	2084.8	1641.0
17.5°	8937.2	8317.7	7634.1	6879.0	6033.1	5129.5	4225.3	3395.2	2703.9	2146.0	1683.0
15°	9091.4	8471.8	7790.9	7038.1	6197.2	5285.5	4362.0	3500.9	2776.6	2199.4	1719.6
12.5°	9223.5	8603.7	7924.9	7174.0	6337.2	5418.5	4478.5	3590.9	2838.5	2244.8	1750.7
10°	9332.7	8712.7	8035.5	7286.0	6452.5	5528.0	4574.3	3664.9	2889.3	2282.1	1776.3
7.5°	9418.4	8798.1	8122.1	7373.7	6542.7	5613.5	4649.2	3722.7	2929.1	2311.2	1796.3
5°	9480.0	8859.4	8184.3	7436.6	6607.4	5674.9	4702.9	3764.1	2957.5	2332.1	1810.5
2.5°	9517.1	8896.4	8221.7	7474.5	6646.3	5711.8	4735.1	3789.0	2974.6	2344.6	1819.1
0°	9529.5	8908.7	8234.2	7487.1	6659.3	5724.1	4745.9	3797.3	2980.3	2348.8	1822.0
-2.5°	9517.1	8896.4	8221.7	7474.5	6646.3	5711.8	4735.1	3789.0	2974.6	2344.6	1819.1
-5°	9480.0	8859.4	8184.3	7436.6	6607.4	5674.9	4702.9	3764.1	2957.5	2332.1	1810.5
-7.5°	9418.4	8798.1	8122.1	7373.7	6542.7	5613.5	4649.2	3722.7	2929.1	2311.2	1796.3
-10°	9332.7	8712.7	8035.5	7286.0	6452.5	5528.0	4574.3	3664.9	2889.3	2282.1	1776.3
-12.5°	9223.5	8603.7	7924.9	7174.0	6337.2	5418.5	4478.5	3590.9	2838.5	2244.8	1750.7
-15°	9091.4	8471.8	7790.9	7038.1	6197.2	5285.5	4362.0	3500.9	2776.6	2199.4	1719.6
-17.5°	8937.2	8317.7	7634.1	6879.0	6033.1	5129.5	4225.3	3395.2	2703.9	2146.0	1683.0
-20°	8749.2	8132.2	7451.7	6697.2	5845.5	4951.1	4068.8	3274.1	2620.6	2084.8	1641.0

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

Scaled Data Report



REPORT NUMBER: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	8536.6	7914.8	7230.0	6472.2	5631.0	4750.7	3892.9	3137.9	2526.8	2015.9	1593.7
-25°	8303.1	7675.7	6985.6	6218.4	5387.9	4535.8	3712.0	2987.2	2422.9	1939.5	1541.3
-27.5°	8030.0	7408.1	6719.6	5941.8	5122.7	4301.1	3528.7	2858.1	2315.7	1855.8	1483.8
-30°	7728.7	7098.3	6403.7	5639.6	4836.1	4047.3	3330.3	2719.9	2212.8	1776.9	1421.3
-32.5°	7399.5	6768.0	6057.8	5305.7	4535.8	3778.2	3117.3	2571.4	2102.1	1699.6	1366.4
-35°	7024.0	6387.0	5689.6	4951.1	4219.3	3528.7	2910.8	2413.1	1984.0	1617.1	1311.6
-37.5°	6625.8	5971.4	5285.5	4582.0	3884.9	3264.8	2725.0	2262.4	1858.7	1529.5	1253.5
-40°	6160.6	5528.0	4862.1	4201.3	3570.2	2987.2	2529.4	2114.8	1746.5	1437.0	1192.1
-42.5°	5674.9	5054.5	4430.4	3803.7	3253.8	2761.0	2328.5	1960.0	1636.8	1355.5	1127.6
-45°	5151.4	4569.1	3985.8	3446.8	2937.2	2526.8	2150.1	1803.3	1522.1	1278.1	1063.4
-47.5°	4615.6	4077.4	3563.6	3078.1	2673.2	2294.6	1964.6	1670.4	1403.4	1197.5	1001.4
-50°	4077.4	3602.7	3155.4	2761.7	2400.4	2084.8	1783.0	1532.6	1309.1	1113.8	936.9
-52.5°	3563.6	3155.4	2791.4	2459.1	2157.5	1868.6	1626.3	1393.9	1211.6	1034.4	870.2
-55°	3078.1	2761.7	2459.1	2181.8	1916.8	1683.0	1465.1	1282.3	1111.2	955.7	800.9
-57.5°	2673.2	2400.4	2157.5	1916.8	1702.0	1502.8	1325.0	1167.6	1017.5	874.8	726.7
-60°	2294.6	2084.8	1868.6	1683.0	1502.8	1339.2	1196.0	1054.8	924.2	790.9	650.4
-62.5°	1964.6	1783.0	1626.3	1465.1	1325.0	1196.0	1067.2	949.0	828.8	701.9	572.4
-65°	1670.4	1532.6	1393.9	1282.3	1167.6	1054.8	949.0	841.2	727.7	611.0	494.8
-67.5°	1403.4	1309.1	1211.6	1111.2	1017.5	924.2	828.8	727.7	623.9	518.4	421.1
-70°	1197.5	1113.8	1034.4	955.7	874.8	790.9	701.9	611.0	518.4	432.7	346.0
-72.5°	1001.4	936.9	870.2	800.9	726.7	650.4	572.4	494.8	421.1	346.0	269.9
-75°	816.8	759.3	699.4	637.5	573.8	509.1	448.3	386.1	322.7	258.3	210.7
-77.5°	622.4	574.3	524.4	476.8	428.5	379.0	328.2	276.3	231.7	194.7	157.2
-80°	434.8	399.8	363.6	326.1	287.5	248.5	220.6	192.1	163.0	133.3	103.2
-82.5°	256.2	236.2	217.6	198.3	178.4	158.0	137.0	115.6	93.7	71.5	60.5
-85°	131.2	119.2	106.8	93.9	80.7	67.1	62.0	56.7	51.4	45.9	40.4
-87.5°	45.4	43.2	40.9	38.5	36.1	33.6	31.0	28.4	25.7	23.0	20.2
-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: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	17.4	14.5	11.7	8.8	5.9	2.9	0.0
85°	34.7	29.1	23.3	17.5	11.7	5.9	0.0
82.5°	52.0	43.5	34.9	26.2	17.5	8.8	0.0
80°	72.7	57.9	46.4	34.9	23.3	11.7	0.0
77.5°	119.2	80.7	57.9	43.5	29.1	14.5	0.0
75°	165.2	119.2	72.7	52.0	34.7	17.4	0.0
72.5°	210.7	157.2	103.2	60.5	40.4	20.2	0.0
70°	258.3	194.7	133.3	71.5	45.9	23.0	0.0
67.5°	322.7	231.7	163.0	93.7	51.4	25.7	0.0
65°	386.1	276.3	192.1	115.6	56.7	28.4	0.0
62.5°	448.3	328.2	220.6	137.0	62.0	31.0	0.0
60°	509.1	379.0	248.5	158.0	67.1	33.6	0.0
57.5°	573.8	428.5	287.5	178.4	80.7	36.1	0.0
55°	637.5	476.8	326.1	198.3	93.9	38.5	0.0
52.5°	699.4	524.4	363.6	217.6	106.8	40.9	0.0
50°	759.3	574.3	399.8	236.2	119.2	43.2	0.0
47.5°	816.8	622.4	434.8	256.2	131.2	45.4	0.0
45°	869.9	668.7	468.4	281.4	142.7	47.5	0.0
42.5°	920.8	713.1	500.6	305.5	153.7	49.5	0.0
40°	969.4	755.5	532.9	328.5	164.3	51.5	0.0
37.5°	1015.6	795.7	565.0	350.4	174.3	53.3	0.0
35°	1059.4	832.6	595.4	371.0	183.7	55.0	0.0
32.5°	1102.1	866.8	624.0	390.4	192.6	56.7	0.0
30°	1145.8	898.7	650.6	408.6	200.8	58.2	0.0
27.5°	1186.3	928.4	675.4	425.4	208.5	59.6	0.0
25°	1223.6	955.6	698.2	440.8	215.6	60.9	0.0
22.5°	1257.7	980.5	718.9	454.9	222.0	62.1	0.0
20°	1288.3	1002.9	737.6	467.6	227.8	63.1	0.0
17.5°	1315.5	1022.7	754.2	478.9	232.9	64.1	0.0
15°	1339.2	1040.1	768.6	488.7	237.4	64.9	0.0
12.5°	1359.4	1054.8	780.9	497.0	241.2	65.6	0.0
10°	1375.9	1066.8	790.9	503.8	244.3	66.2	0.0
7.5°	1388.8	1076.3	798.8	509.1	246.8	66.6	0.0
5°	1398.1	1083.0	804.4	512.9	248.5	66.9	0.0
2.5°	1403.6	1087.0	807.8	515.2	249.6	67.1	0.0
0°	1405.5	1088.4	808.9	516.0	249.9	67.2	0.0
-2.5°	1403.6	1087.0	807.8	515.2	249.6	67.1	0.0
-5°	1398.1	1083.0	804.4	512.9	248.5	66.9	0.0
-7.5°	1388.8	1076.3	798.8	509.1	246.8	66.6	0.0
-10°	1375.9	1066.8	790.9	503.8	244.3	66.2	0.0
-12.5°	1359.4	1054.8	780.9	497.0	241.2	65.6	0.0
-15°	1339.2	1040.1	768.6	488.7	237.4	64.9	0.0
-17.5°	1315.5	1022.7	754.2	478.9	232.9	64.1	0.0
-20°	1288.3	1002.9	737.6	467.6	227.8	63.1	0.0

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645584 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1257.7	980.5	718.9	454.9	222.0	62.1	0.0
-25°	1223.6	955.6	698.2	440.8	215.6	60.9	0.0
-27.5°	1186.3	928.4	675.4	425.4	208.5	59.6	0.0
-30°	1145.8	898.7	650.6	408.6	200.8	58.2	0.0
-32.5°	1102.1	866.8	624.0	390.4	192.6	56.7	0.0
-35°	1059.4	832.6	595.4	371.0	183.7	55.0	0.0
-37.5°	1015.6	795.7	565.0	350.4	174.3	53.3	0.0
-40°	969.4	755.5	532.9	328.5	164.3	51.5	0.0
-42.5°	920.8	713.1	500.6	305.5	153.7	49.5	0.0
-45°	869.9	668.7	468.4	281.4	142.7	47.5	0.0
-47.5°	816.8	622.4	434.8	256.2	131.2	45.4	0.0
-50°	759.3	574.3	399.8	236.2	119.2	43.2	0.0
-52.5°	699.4	524.4	363.6	217.6	106.8	40.9	0.0
-55°	637.5	476.8	326.1	198.3	93.9	38.5	0.0
-57.5°	573.8	428.5	287.5	178.4	80.7	36.1	0.0
-60°	509.1	379.0	248.5	158.0	67.1	33.6	0.0
-62.5°	448.3	328.2	220.6	137.0	62.0	31.0	0.0
-65°	386.1	276.3	192.1	115.6	56.7	28.4	0.0
-67.5°	322.7	231.7	163.0	93.7	51.4	25.7	0.0
-70°	258.3	194.7	133.3	71.5	45.9	23.0	0.0
-72.5°	210.7	157.2	103.2	60.5	40.4	20.2	0.0
-75°	165.2	119.2	72.7	52.0	34.7	17.4	0.0
-77.5°	119.2	80.7	57.9	43.5	29.1	14.5	0.0
-80°	72.7	57.9	46.4	34.9	23.3	11.7	0.0
-82.5°	52.0	43.5	34.9	26.2	17.5	8.8	0.0
-85°	34.7	29.1	23.3	17.5	11.7	5.9	0.0
-87.5°	17.4	14.5	11.7	8.8	5.9	2.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)