

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: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-722-U-LAM-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645572 (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-SA6D-722-U-LAM-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

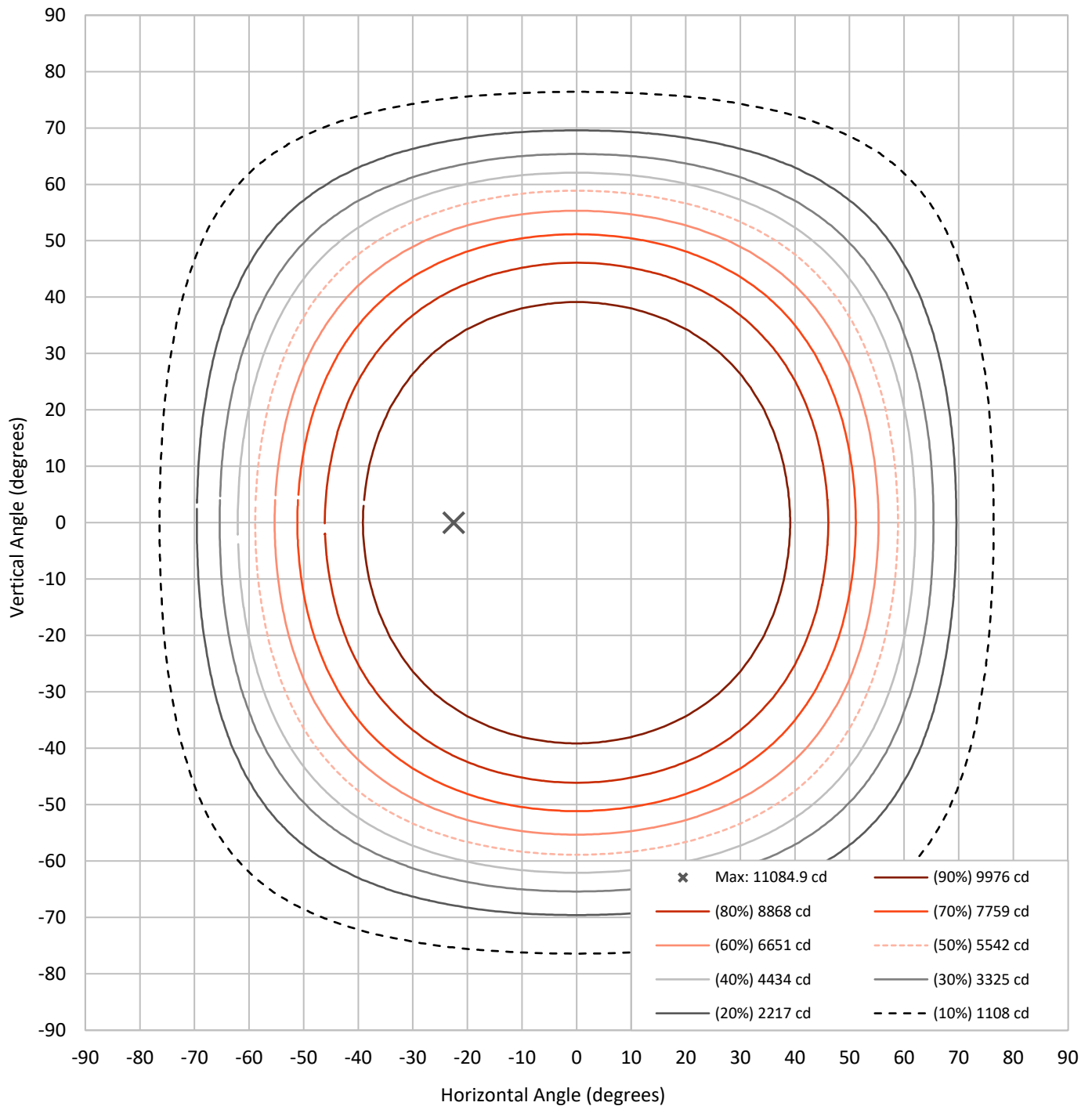
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	33909.4 lumens	Max Intensity:	11084.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	104.0 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:	28220 lumens	Field Lumens:	33242.5 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	325.9		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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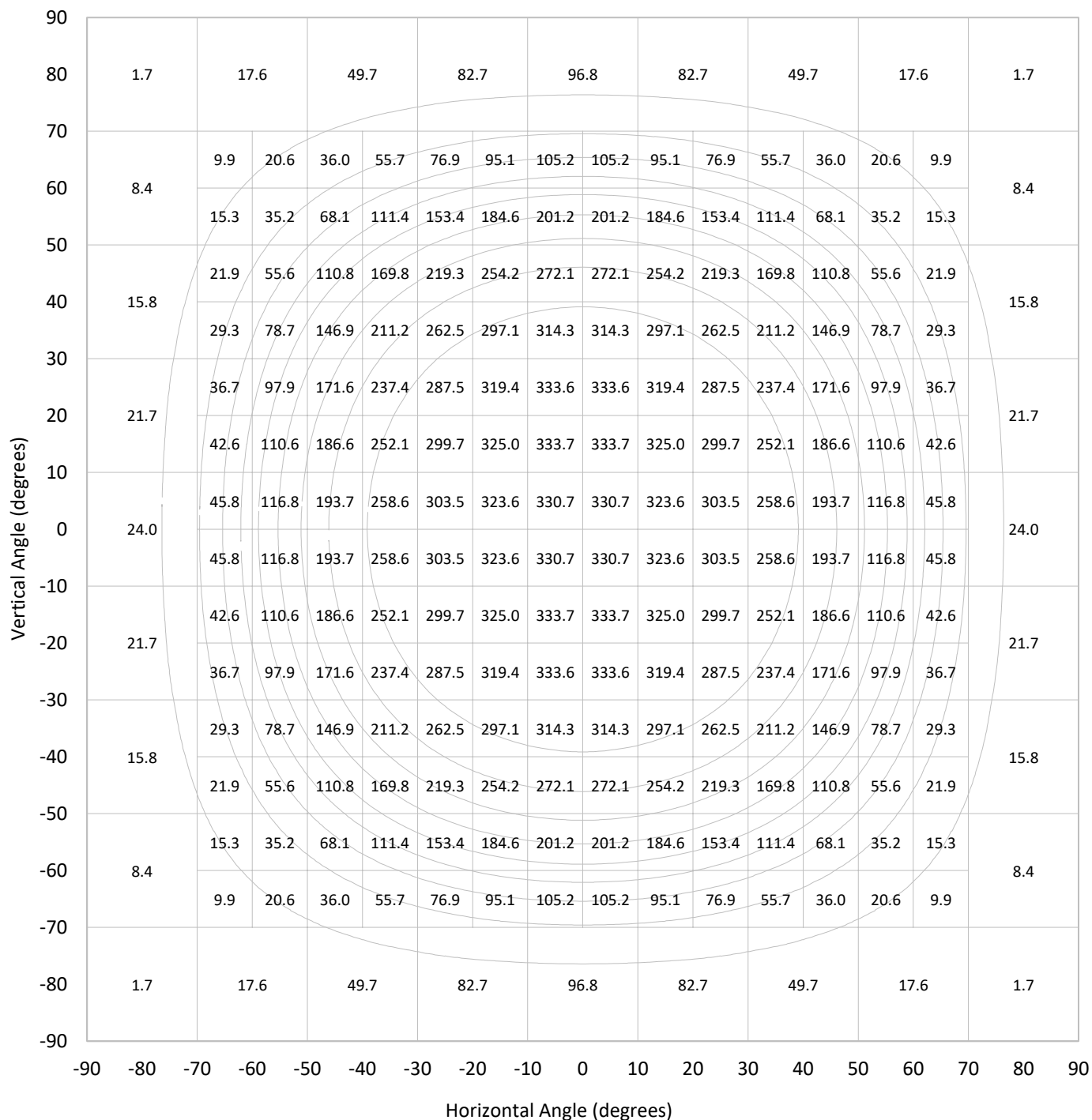
### Iso-Candela Plot





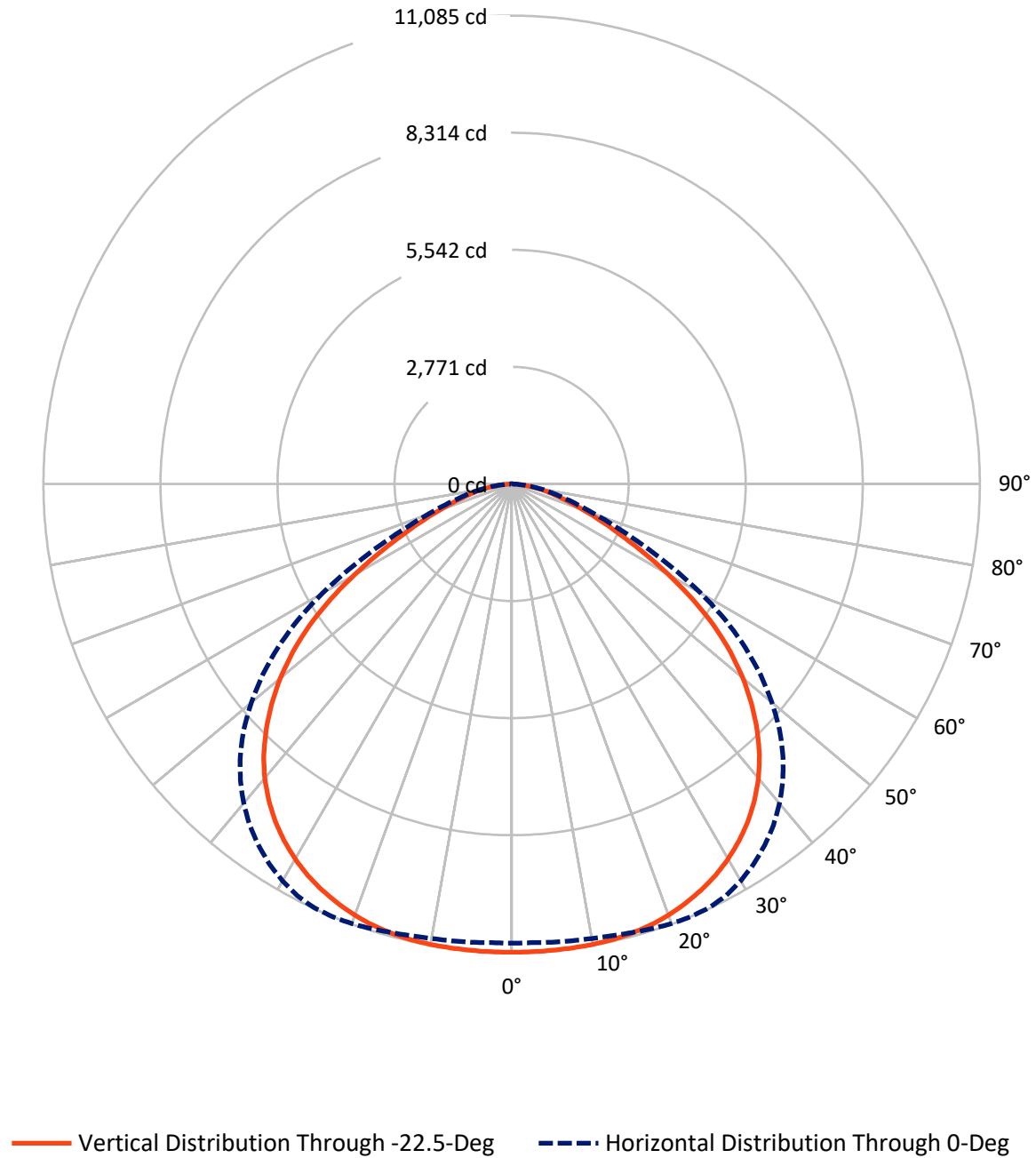
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### Lumen Table



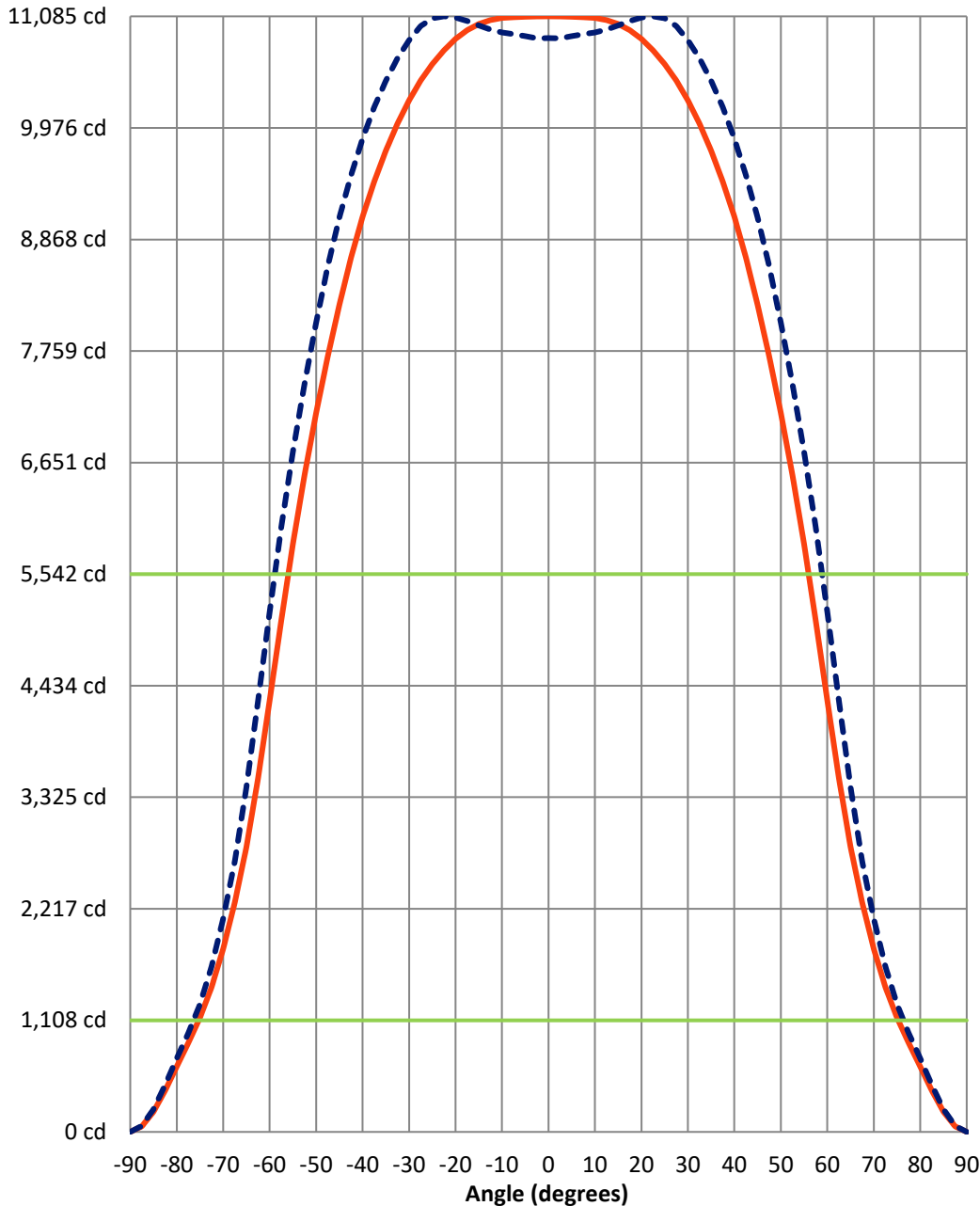
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CATALOG NUMBER: GFLD-SA6D-722-U-LAM-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 28220  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 33242.5  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 666.9  
 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	2.6	5.3	7.9	10.5	13.1	15.7	18.2	20.7	23.2	25.6
85°	0.0	5.3	10.5	15.8	21.0	26.2	31.3	36.4	41.4	46.3	51.2
82.5°	0.0	7.9	15.8	23.7	31.5	39.2	46.9	54.5	64.5	84.6	104.3
80°	0.0	10.5	21.0	31.5	41.9	52.2	65.6	93.1	120.3	147.1	173.4
77.5°	0.0	13.1	26.2	39.2	52.2	72.8	107.5	141.9	175.8	209.2	249.4
75°	0.0	15.7	31.3	46.9	65.6	107.5	149.1	190.2	233.1	291.3	348.5
72.5°	0.0	18.2	36.4	54.5	93.1	141.9	190.2	243.7	312.3	380.0	446.6
70°	0.0	20.7	41.4	64.5	120.3	175.8	233.1	312.3	390.6	467.9	551.5
67.5°	0.0	23.2	46.3	84.6	147.1	209.2	291.3	380.0	467.9	563.1	656.8
65°	0.0	25.6	51.2	104.3	173.4	249.4	348.5	446.6	551.5	656.8	759.2
62.5°	0.0	28.0	55.9	123.7	199.1	296.3	404.6	516.6	633.5	748.0	856.6
60°	0.0	30.3	60.5	142.6	224.3	342.1	459.5	587.0	713.9	834.2	952.0
57.5°	0.0	32.6	72.7	161.0	259.6	386.8	517.9	655.9	789.6	918.4	1053.9
55°	0.0	34.8	84.7	179.0	294.4	430.3	575.4	722.9	862.6	1003.0	1157.4
52.5°	0.0	36.9	96.3	196.4	328.2	473.2	631.2	785.4	933.7	1093.6	1258.1
50°	0.0	38.9	107.6	213.2	360.9	518.3	685.3	845.6	1005.3	1181.6	1383.3
47.5°	0.0	40.9	118.4	231.3	392.4	561.8	737.2	903.8	1080.8	1266.7	1507.6
45°	0.0	42.8	128.8	254.0	422.8	603.6	785.1	959.9	1153.6	1373.8	1627.6
42.5°	0.0	44.7	138.8	275.8	451.8	643.6	831.1	1017.8	1223.4	1477.3	1769.1
40°	0.0	46.4	148.3	296.5	481.0	681.9	875.0	1076.0	1297.0	1576.4	1908.8
37.5°	0.0	48.1	157.3	316.2	510.0	718.2	916.7	1131.4	1380.5	1677.6	2042.0
35°	0.0	49.6	165.8	334.9	537.4	751.5	956.2	1183.9	1459.6	1790.7	2178.0
32.5°	0.0	51.1	173.8	352.4	563.2	782.4	994.8	1233.3	1534.1	1897.4	2320.9
30°	0.0	52.5	181.3	368.8	587.2	811.2	1034.2	1282.9	1603.8	1997.2	2454.9
27.5°	0.0	53.7	188.2	383.9	609.6	837.9	1070.8	1339.2	1675.0	2090.1	2579.7
25°	0.0	54.9	194.6	397.9	630.1	862.6	1104.5	1391.1	1750.6	2186.9	2696.2
22.5°	0.0	56.0	200.4	410.6	648.9	885.0	1135.2	1438.5	1819.5	2280.7	2832.3
20°	0.0	56.9	205.7	422.0	665.7	905.2	1162.8	1481.2	1881.7	2365.3	2955.1
17.5°	0.0	57.8	210.3	432.2	680.7	923.1	1187.4	1519.1	1937.0	2440.5	3064.4
15°	0.0	58.5	214.3	441.0	693.7	938.8	1208.8	1552.1	1985.1	2506.2	3159.8
12.5°	0.0	59.2	217.8	448.5	704.8	952.0	1227.0	1580.2	2026.1	2562.0	3241.0
10°	0.0	59.7	220.6	454.7	713.9	962.9	1241.9	1603.3	2059.8	2607.9	3307.8
7.5°	0.0	60.1	222.8	459.5	721.0	971.4	1253.6	1621.3	2086.1	2643.7	3360.0
5°	0.0	60.4	224.3	462.9	726.0	977.5	1261.9	1634.2	2104.9	2669.4	3397.3
2.5°	0.0	60.5	225.3	465.0	729.1	981.2	1266.9	1641.9	2116.2	2684.9	3419.8
0°	0.0	60.6	225.6	465.7	730.1	982.4	1268.6	1644.5	2120.0	2690.0	3427.3
-2.5°	0.0	60.5	225.3	465.0	729.1	981.2	1266.9	1641.9	2116.2	2684.9	3419.8
-5°	0.0	60.4	224.3	462.9	726.0	977.5	1261.9	1634.2	2104.9	2669.4	3397.3
-7.5°	0.0	60.1	222.8	459.5	721.0	971.4	1253.6	1621.3	2086.1	2643.7	3360.0
-10°	0.0	59.7	220.6	454.7	713.9	962.9	1241.9	1603.3	2059.8	2607.9	3307.8
-12.5°	0.0	59.2	217.8	448.5	704.8	952.0	1227.0	1580.2	2026.1	2562.0	3241.0
-15°	0.0	58.5	214.3	441.0	693.7	938.8	1208.8	1552.1	1985.1	2506.2	3159.8
-17.5°	0.0	57.8	210.3	432.2	680.7	923.1	1187.4	1519.1	1937.0	2440.5	3064.4
-20°	0.0	56.9	205.7	422.0	665.7	905.2	1162.8	1481.2	1881.7	2365.3	2955.1



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 CATALOG NUMBER: GFLD-SA6D-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	56.0	200.4	410.6	648.9	885.0	1135.2	1438.5	1819.5	2280.7	2832.3
-25°	0.0	54.9	194.6	397.9	630.1	862.6	1104.5	1391.1	1750.6	2186.9	2696.2
-27.5°	0.0	53.7	188.2	383.9	609.6	837.9	1070.8	1339.2	1675.0	2090.1	2579.7
-30°	0.0	52.5	181.3	368.8	587.2	811.2	1034.2	1282.9	1603.8	1997.2	2454.9
-32.5°	0.0	51.1	173.8	352.4	563.2	782.4	994.8	1233.3	1534.1	1897.4	2320.9
-35°	0.0	49.6	165.8	334.9	537.4	751.5	956.2	1183.9	1459.6	1790.7	2178.0
-37.5°	0.0	48.1	157.3	316.2	510.0	718.2	916.7	1131.4	1380.5	1677.6	2042.0
-40°	0.0	46.4	148.3	296.5	481.0	681.9	875.0	1076.0	1297.0	1576.4	1908.8
-42.5°	0.0	44.7	138.8	275.8	451.8	643.6	831.1	1017.8	1223.4	1477.3	1769.1
-45°	0.0	42.8	128.8	254.0	422.8	603.6	785.1	959.9	1153.6	1373.8	1627.6
-47.5°	0.0	40.9	118.4	231.3	392.4	561.8	737.2	903.8	1080.8	1266.7	1507.6
-50°	0.0	38.9	107.6	213.2	360.9	518.3	685.3	845.6	1005.3	1181.6	1383.3
-52.5°	0.0	36.9	96.3	196.4	328.2	473.2	631.2	785.4	933.7	1093.6	1258.1
-55°	0.0	34.8	84.7	179.0	294.4	430.3	575.4	722.9	862.6	1003.0	1157.4
-57.5°	0.0	32.6	72.7	161.0	259.6	386.8	517.9	655.9	789.6	918.4	1053.9
-60°	0.0	30.3	60.5	142.6	224.3	342.1	459.5	587.0	713.9	834.2	952.0
-62.5°	0.0	28.0	55.9	123.7	199.1	296.3	404.6	516.6	633.5	748.0	856.6
-65°	0.0	25.6	51.2	104.3	173.4	249.4	348.5	446.6	551.5	656.8	759.2
-67.5°	0.0	23.2	46.3	84.6	147.1	209.2	291.3	380.0	467.9	563.1	656.8
-70°	0.0	20.7	41.4	64.5	120.3	175.8	233.1	312.3	390.6	467.9	551.5
-72.5°	0.0	18.2	36.4	54.5	93.1	141.9	190.2	243.7	312.3	380.0	446.6
-75°	0.0	15.7	31.3	46.9	65.6	107.5	149.1	190.2	233.1	291.3	348.5
-77.5°	0.0	13.1	26.2	39.2	52.2	72.8	107.5	141.9	175.8	209.2	249.4
-80°	0.0	10.5	21.0	31.5	41.9	52.2	65.6	93.1	120.3	147.1	173.4
-82.5°	0.0	7.9	15.8	23.7	31.5	39.2	46.9	54.5	64.5	84.6	104.3
-85°	0.0	5.3	10.5	15.8	21.0	26.2	31.3	36.4	41.4	46.3	51.2
-87.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.7	18.2	20.7	23.2	25.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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 CATALOG NUMBER: GFLD-SA6D-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°	28.0	30.3	32.6	34.8	36.9	38.9	40.9	42.8	44.7	46.4	48.1
85°	55.9	60.5	72.7	84.7	96.3	107.6	118.4	128.8	138.8	148.3	157.3
82.5°	123.7	142.6	161.0	179.0	196.4	213.2	231.3	254.0	275.8	296.5	316.2
80°	199.1	224.3	259.6	294.4	328.2	360.9	392.4	422.8	451.8	481.0	510.0
77.5°	296.3	342.1	386.8	430.3	473.2	518.3	561.8	603.6	643.6	681.9	718.2
75°	404.6	459.5	517.9	575.4	631.2	685.3	737.2	785.1	831.1	875.0	916.7
72.5°	516.6	587.0	655.9	722.9	785.4	845.6	903.8	959.9	1017.8	1076.0	1131.4
70°	633.5	713.9	789.6	862.6	933.7	1005.3	1080.8	1153.6	1223.4	1297.0	1380.5
67.5°	748.0	834.2	918.4	1003.0	1093.6	1181.6	1266.7	1373.8	1477.3	1576.4	1677.6
65°	856.6	952.0	1053.9	1157.4	1258.1	1383.3	1507.6	1627.6	1769.1	1908.8	2042.0
62.5°	963.3	1079.5	1195.9	1322.4	1467.9	1609.3	1773.3	1940.6	2101.6	2283.0	2459.6
60°	1079.5	1208.8	1356.4	1519.1	1686.5	1881.7	2071.0	2280.7	2492.0	2696.2	2946.8
57.5°	1195.9	1356.4	1536.2	1730.0	1947.3	2166.6	2412.8	2651.1	2936.9	3222.4	3506.4
55°	1322.4	1519.1	1730.0	1969.3	2219.6	2492.7	2778.2	3111.0	3433.1	3792.0	4135.7
52.5°	1467.9	1686.5	1947.3	2219.6	2519.5	2848.0	3216.4	3597.4	3998.8	4388.4	4770.6
50°	1609.3	1881.7	2166.6	2492.7	2848.0	3251.7	3680.2	4124.0	4562.1	4989.5	5389.7
47.5°	1773.3	2071.0	2412.8	2778.2	3216.4	3680.2	4165.9	4649.6	5122.1	5560.5	5980.4
45°	1940.6	2280.7	2651.1	3111.0	3597.4	4124.0	4649.6	5166.5	5646.5	6099.6	6495.9
42.5°	2101.6	2492.0	2936.9	3433.1	3998.8	4562.1	5122.1	5646.5	6138.4	6574.7	6972.8
40°	2283.0	2696.2	3222.4	3792.0	4388.4	4989.5	5560.5	6099.6	6574.7	7009.1	7412.2
37.5°	2459.6	2946.8	3506.4	4135.7	4770.6	5389.7	5980.4	6495.9	6972.8	7412.2	7798.9
35°	2627.3	3184.9	3808.2	4468.8	5135.4	5764.8	6339.7	6864.6	7338.3	7764.8	8160.1
32.5°	2813.7	3410.1	4093.9	4788.8	5467.7	6108.7	6678.6	7192.0	7663.0	8096.0	8488.6
30°	3005.9	3653.0	4365.0	5090.2	5779.9	6406.8	6975.8	7495.6	7962.9	8390.6	8775.4
27.5°	3184.9	3882.1	4623.7	5363.0	6065.0	6686.4	7247.7	7759.5	8229.5	8660.0	9033.0
25°	3350.3	4093.9	4863.1	5612.6	6305.1	6927.9	7494.2	8005.7	8473.0	8886.2	9248.7
22.5°	3513.6	4288.0	5082.5	5841.7	6525.6	7143.7	7704.9	8217.7	8685.3	9094.7	9442.5
20°	3672.3	4468.8	5276.1	6044.8	6725.8	7339.9	7896.8	8408.6	8863.7	9260.1	9606.4
17.5°	3813.7	4629.8	5445.4	6208.9	6890.3	7507.4	8066.5	8580.0	9024.2	9409.3	9747.9
15°	3937.1	4770.6	5593.5	6352.5	7031.9	7646.5	8205.7	8713.5	9154.7	9536.6	9872.8
12.5°	4042.2	4890.7	5719.8	6475.1	7152.8	7765.5	8324.9	8825.7	9259.4	9636.4	9965.3
10°	4128.7	4989.5	5823.9	6576.2	7252.6	7863.9	8423.5	8918.6	9346.3	9719.3	10042.4
7.5°	4196.3	5066.7	5905.3	6655.3	7330.8	7940.9	8500.8	8991.5	9414.6	9784.6	10103.2
5°	4244.7	5122.1	5963.7	6712.1	7386.9	7996.3	8556.4	9044.0	9463.8	9831.7	10147.2
2.5°	4273.9	5155.4	5998.9	6746.3	7420.7	8029.7	8589.9	9075.6	9493.5	9860.2	10173.7
0°	4283.6	5166.5	6010.6	6757.7	7432.0	8040.8	8601.1	9086.2	9503.4	9869.7	10182.6
-2.5°	4273.9	5155.4	5998.9	6746.3	7420.7	8029.7	8589.9	9075.6	9493.5	9860.2	10173.7
-5°	4244.7	5122.1	5963.7	6712.1	7386.9	7996.3	8556.4	9044.0	9463.8	9831.7	10147.2
-7.5°	4196.3	5066.7	5905.3	6655.3	7330.8	7940.9	8500.8	8991.5	9414.6	9784.6	10103.2
-10°	4128.7	4989.5	5823.9	6576.2	7252.6	7863.9	8423.5	8918.6	9346.3	9719.3	10042.4
-12.5°	4042.2	4890.7	5719.8	6475.1	7152.8	7765.5	8324.9	8825.7	9259.4	9636.4	9965.3
-15°	3937.1	4770.6	5593.5	6352.5	7031.9	7646.5	8205.7	8713.5	9154.7	9536.6	9872.8
-17.5°	3813.7	4629.8	5445.4	6208.9	6890.3	7507.4	8066.5	8580.0	9024.2	9409.3	9747.9
-20°	3672.3	4468.8	5276.1	6044.8	6725.8	7339.9	7896.8	8408.6	8863.7	9260.1	9606.4



REPORT NUMBER: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	3513.6	4288.0	5082.5	5841.7	6525.6	7143.7	7704.9	8217.7	8685.3	9094.7	9442.5
-25°	3350.3	4093.9	4863.1	5612.6	6305.1	6927.9	7494.2	8005.7	8473.0	8886.2	9248.7
-27.5°	3184.9	3882.1	4623.7	5363.0	6065.0	6686.4	7247.7	7759.5	8229.5	8660.0	9033.0
-30°	3005.9	3653.0	4365.0	5090.2	5779.9	6406.8	6975.8	7495.6	7962.9	8390.6	8775.4
-32.5°	2813.7	3410.1	4093.9	4788.8	5467.7	6108.7	6678.6	7192.0	7663.0	8096.0	8488.6
-35°	2627.3	3184.9	3808.2	4468.8	5135.4	5764.8	6339.7	6864.6	7338.3	7764.8	8160.1
-37.5°	2459.6	2946.8	3506.4	4135.7	4770.6	5389.7	5980.4	6495.9	6972.8	7412.2	7798.9
-40°	2283.0	2696.2	3222.4	3792.0	4388.4	4989.5	5560.5	6099.6	6574.7	7009.1	7412.2
-42.5°	2101.6	2492.0	2936.9	3433.1	3998.8	4562.1	5122.1	5646.5	6138.4	6574.7	6972.8
-45°	1940.6	2280.7	2651.1	3111.0	3597.4	4124.0	4649.6	5166.5	5646.5	6099.6	6495.9
-47.5°	1773.3	2071.0	2412.8	2778.2	3216.4	3680.2	4165.9	4649.6	5122.1	5560.5	5980.4
-50°	1609.3	1881.7	2166.6	2492.7	2848.0	3251.7	3680.2	4124.0	4562.1	4989.5	5389.7
-52.5°	1467.9	1686.5	1947.3	2219.6	2519.5	2848.0	3216.4	3597.4	3998.8	4388.4	4770.6
-55°	1322.4	1519.1	1730.0	1969.3	2219.6	2492.7	2778.2	3111.0	3433.1	3792.0	4135.7
-57.5°	1195.9	1356.4	1536.2	1730.0	1947.3	2166.6	2412.8	2651.1	2936.9	3222.4	3506.4
-60°	1079.5	1208.8	1356.4	1519.1	1686.5	1881.7	2071.0	2280.7	2492.0	2696.2	2946.8
-62.5°	963.3	1079.5	1195.9	1322.4	1467.9	1609.3	1773.3	1940.6	2101.6	2283.0	2459.6
-65°	856.6	952.0	1053.9	1157.4	1258.1	1383.3	1507.6	1627.6	1769.1	1908.8	2042.0
-67.5°	748.0	834.2	918.4	1003.0	1093.6	1181.6	1266.7	1373.8	1477.3	1576.4	1677.6
-70°	633.5	713.9	789.6	862.6	933.7	1005.3	1080.8	1153.6	1223.4	1297.0	1380.5
-72.5°	516.6	587.0	655.9	722.9	785.4	845.6	903.8	959.9	1017.8	1076.0	1131.4
-75°	404.6	459.5	517.9	575.4	631.2	685.3	737.2	785.1	831.1	875.0	916.7
-77.5°	296.3	342.1	386.8	430.3	473.2	518.3	561.8	603.6	643.6	681.9	718.2
-80°	199.1	224.3	259.6	294.4	328.2	360.9	392.4	422.8	451.8	481.0	510.0
-82.5°	123.7	142.6	161.0	179.0	196.4	213.2	231.3	254.0	275.8	296.5	316.2
-85°	55.9	60.5	72.7	84.7	96.3	107.6	118.4	128.8	138.8	148.3	157.3
-87.5°	28.0	30.3	32.6	34.8	36.9	38.9	40.9	42.8	44.7	46.4	48.1
-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: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	49.6	51.1	52.5	53.7	54.9	56.0	56.9	57.8	58.5	59.2	59.7
85°	165.8	173.8	181.3	188.2	194.6	200.4	205.7	210.3	214.3	217.8	220.6
82.5°	334.9	352.4	368.8	383.9	397.9	410.6	422.0	432.2	441.0	448.5	454.7
80°	537.4	563.2	587.2	609.6	630.1	648.9	665.7	680.7	693.7	704.8	713.9
77.5°	751.5	782.4	811.2	837.9	862.6	885.0	905.2	923.1	938.8	952.0	962.9
75°	956.2	994.8	1034.2	1070.8	1104.5	1135.2	1162.8	1187.4	1208.8	1227.0	1241.9
72.5°	1183.9	1233.3	1282.9	1339.2	1391.1	1438.5	1481.2	1519.1	1552.1	1580.2	1603.3
70°	1459.6	1534.1	1603.8	1675.0	1750.6	1819.5	1881.7	1937.0	1985.1	2026.1	2059.8
67.5°	1790.7	1897.4	1997.2	2090.1	2186.9	2280.7	2365.3	2440.5	2506.2	2562.0	2607.9
65°	2178.0	2320.9	2454.9	2579.7	2696.2	2832.3	2955.1	3064.4	3159.8	3241.0	3307.8
62.5°	2627.3	2813.7	3005.9	3184.9	3350.3	3513.6	3672.3	3813.7	3937.1	4042.2	4128.7
60°	3184.9	3410.1	3653.0	3882.1	4093.9	4288.0	4468.8	4629.8	4770.6	4890.7	4989.5
57.5°	3808.2	4093.9	4365.0	4623.7	4863.1	5082.5	5276.1	5445.4	5593.5	5719.8	5823.9
55°	4468.8	4788.8	5090.2	5363.0	5612.6	5841.7	6044.8	6208.9	6352.5	6475.1	6576.2
52.5°	5135.4	5467.7	5779.9	6065.0	6305.1	6525.6	6725.8	6890.3	7031.9	7152.8	7252.6
50°	5764.8	6108.7	6406.8	6686.4	6927.9	7143.7	7339.9	7507.4	7646.5	7765.5	7863.9
47.5°	6339.7	6678.6	6975.8	7247.7	7494.2	7704.9	7896.8	8066.5	8205.7	8324.9	8423.5
45°	6864.6	7192.0	7495.6	7759.5	8005.7	8217.7	8408.6	8580.0	8713.5	8825.7	8918.6
42.5°	7338.3	7663.0	7962.9	8229.5	8473.0	8685.3	8863.7	9024.2	9154.7	9259.4	9346.3
40°	7764.8	8096.0	8390.6	8660.0	8886.2	9094.7	9260.1	9409.3	9536.6	9636.4	9719.3
37.5°	8160.1	8488.6	8775.4	9033.0	9248.7	9442.5	9606.4	9747.9	9872.8	9965.3	10042.4
35°	8521.6	8833.7	9117.3	9353.5	9567.4	9750.0	9911.2	10041.7	10157.8	10246.0	10316.2
32.5°	8833.7	9143.2	9406.6	9639.1	9847.9	10018.2	10172.9	10292.4	10397.7	10482.6	10547.9
30°	9117.3	9406.6	9663.2	9893.5	10083.7	10249.6	10388.8	10505.6	10602.9	10683.9	10741.3
27.5°	9353.5	9639.1	9893.5	10105.8	10287.8	10447.5	10575.0	10687.4	10772.4	10846.9	10896.3
25°	9567.4	9847.9	10083.7	10287.8	10464.5	10610.4	10731.7	10833.5	10908.9	10972.7	11009.4
22.5°	9750.0	10018.2	10249.6	10447.5	10610.4	10746.7	10861.0	10947.2	11008.9	11047.5	11069.3
20°	9911.2	10172.9	10388.8	10575.0	10731.7	10861.0	10960.3	11024.0	11066.9	11077.5	11083.8
17.5°	10041.7	10292.4	10505.6	10687.4	10833.5	10947.2	11024.0	11069.0	11081.8	11079.5	11073.2
15°	10157.8	10397.7	10602.9	10772.4	10908.9	11008.9	11066.9	11081.8	11078.1	11065.1	11045.1
12.5°	10246.0	10482.6	10683.9	10846.9	10972.7	11047.5	11077.5	11079.5	11065.1	11040.3	11011.8
10°	10316.2	10547.9	10741.3	10896.3	11009.4	11069.3	11083.8	11073.2	11045.1	11011.8	10980.4
7.5°	10371.8	10599.7	10787.0	10935.7	11033.5	11075.9	11079.1	11059.1	11025.4	10987.6	10953.6
5°	10412.0	10637.3	10820.2	10964.5	11051.1	11080.9	11075.7	11048.0	11009.0	10969.5	10938.4
2.5°	10436.3	10660.1	10840.4	10982.0	11061.9	11083.9	11073.5	11041.1	10998.6	10957.9	10928.3
0°	10444.5	10667.7	10847.2	10987.9	11065.5	11084.9	11072.8	11038.8	10995.1	10953.9	10924.8
-2.5°	10436.3	10660.1	10840.4	10982.0	11061.9	11083.9	11073.5	11041.1	10998.6	10957.9	10928.3
-5°	10412.0	10637.3	10820.2	10964.5	11051.1	11080.9	11075.7	11048.0	11009.0	10969.5	10938.4
-7.5°	10371.8	10599.7	10787.0	10935.7	11033.5	11075.9	11079.1	11059.1	11025.4	10987.6	10953.6
-10°	10316.2	10547.9	10741.3	10896.3	11009.4	11069.3	11083.8	11073.2	11045.1	11011.8	10980.4
-12.5°	10246.0	10482.6	10683.9	10846.9	10972.7	11047.5	11077.5	11079.5	11065.1	11040.3	11011.8
-15°	10157.8	10397.7	10602.9	10772.4	10908.9	11008.9	11066.9	11081.8	11078.1	11065.1	11045.1
-17.5°	10041.7	10292.4	10505.6	10687.4	10833.5	10947.2	11024.0	11069.0	11081.8	11079.5	11073.2
-20°	9911.2	10172.9	10388.8	10575.0	10731.7	10861.0	10960.3	11024.0	11066.9	11077.5	11083.8



REPORT NUMBER: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	9750.0	10018.2	10249.6	10447.5	10610.4	10746.7	10861.0	10947.2	11008.9	11047.5	11069.3
-25°	9567.4	9847.9	10083.7	10287.8	10464.5	10610.4	10731.7	10833.5	10908.9	10972.7	11009.4
-27.5°	9353.5	9639.1	9893.5	10105.8	10287.8	10447.5	10575.0	10687.4	10772.4	10846.9	10896.3
-30°	9117.3	9406.6	9663.2	9893.5	10083.7	10249.6	10388.8	10505.6	10602.9	10683.9	10741.3
-32.5°	8833.7	9143.2	9406.6	9639.1	9847.9	10018.2	10172.9	10292.4	10397.7	10482.6	10547.9
-35°	8521.6	8833.7	9117.3	9353.5	9567.4	9750.0	9911.2	10041.7	10157.8	10246.0	10316.2
-37.5°	8160.1	8488.6	8775.4	9033.0	9248.7	9442.5	9606.4	9747.9	9872.8	9965.3	10042.4
-40°	7764.8	8096.0	8390.6	8660.0	8886.2	9094.7	9260.1	9409.3	9536.6	9636.4	9719.3
-42.5°	7338.3	7663.0	7962.9	8229.5	8473.0	8685.3	8863.7	9024.2	9154.7	9259.4	9346.3
-45°	6864.6	7192.0	7495.6	7759.5	8005.7	8217.7	8408.6	8580.0	8713.5	8825.7	8918.6
-47.5°	6339.7	6678.6	6975.8	7247.7	7494.2	7704.9	7896.8	8066.5	8205.7	8324.9	8423.5
-50°	5764.8	6108.7	6406.8	6686.4	6927.9	7143.7	7339.9	7507.4	7646.5	7765.5	7863.9
-52.5°	5135.4	5467.7	5779.9	6065.0	6305.1	6525.6	6725.8	6890.3	7031.9	7152.8	7252.6
-55°	4468.8	4788.8	5090.2	5363.0	5612.6	5841.7	6044.8	6208.9	6352.5	6475.1	6576.2
-57.5°	3808.2	4093.9	4365.0	4623.7	4863.1	5082.5	5276.1	5445.4	5593.5	5719.8	5823.9
-60°	3184.9	3410.1	3653.0	3882.1	4093.9	4288.0	4468.8	4629.8	4770.6	4890.7	4989.5
-62.5°	2627.3	2813.7	3005.9	3184.9	3350.3	3513.6	3672.3	3813.7	3937.1	4042.2	4128.7
-65°	2178.0	2320.9	2454.9	2579.7	2696.2	2832.3	2955.1	3064.4	3159.8	3241.0	3307.8
-67.5°	1790.7	1897.4	1997.2	2090.1	2186.9	2280.7	2365.3	2440.5	2506.2	2562.0	2607.9
-70°	1459.6	1534.1	1603.8	1675.0	1750.6	1819.5	1881.7	1937.0	1985.1	2026.1	2059.8
-72.5°	1183.9	1233.3	1282.9	1339.2	1391.1	1438.5	1481.2	1519.1	1552.1	1580.2	1603.3
-75°	956.2	994.8	1034.2	1070.8	1104.5	1135.2	1162.8	1187.4	1208.8	1227.0	1241.9
-77.5°	751.5	782.4	811.2	837.9	862.6	885.0	905.2	923.1	938.8	952.0	962.9
-80°	537.4	563.2	587.2	609.6	630.1	648.9	665.7	680.7	693.7	704.8	713.9
-82.5°	334.9	352.4	368.8	383.9	397.9	410.6	422.0	432.2	441.0	448.5	454.7
-85°	165.8	173.8	181.3	188.2	194.6	200.4	205.7	210.3	214.3	217.8	220.6
-87.5°	49.6	51.1	52.5	53.7	54.9	56.0	56.9	57.8	58.5	59.2	59.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	60.1	60.4	60.5	60.6	60.5	60.4	60.1	59.7	59.2	58.5	57.8
85°	222.8	224.3	225.3	225.6	225.3	224.3	222.8	220.6	217.8	214.3	210.3
82.5°	459.5	462.9	465.0	465.7	465.0	462.9	459.5	454.7	448.5	441.0	432.2
80°	721.0	726.0	729.1	730.1	729.1	726.0	721.0	713.9	704.8	693.7	680.7
77.5°	971.4	977.5	981.2	982.4	981.2	977.5	971.4	962.9	952.0	938.8	923.1
75°	1253.6	1261.9	1266.9	1268.6	1266.9	1261.9	1253.6	1241.9	1227.0	1208.8	1187.4
72.5°	1621.3	1634.2	1641.9	1644.5	1641.9	1634.2	1621.3	1603.3	1580.2	1552.1	1519.1
70°	2086.1	2104.9	2116.2	2120.0	2116.2	2104.9	2086.1	2059.8	2026.1	1985.1	1937.0
67.5°	2643.7	2669.4	2684.9	2690.0	2684.9	2669.4	2643.7	2607.9	2562.0	2506.2	2440.5
65°	3360.0	3397.3	3419.8	3427.3	3419.8	3397.3	3360.0	3307.8	3241.0	3159.8	3064.4
62.5°	4196.3	4244.7	4273.9	4283.6	4273.9	4244.7	4196.3	4128.7	4042.2	3937.1	3813.7
60°	5066.7	5122.1	5155.4	5166.5	5155.4	5122.1	5066.7	4989.5	4890.7	4770.6	4629.8
57.5°	5905.3	5963.7	5998.9	6010.6	5998.9	5963.7	5905.3	5823.9	5719.8	5593.5	5445.4
55°	6655.3	6712.1	6746.3	6757.7	6746.3	6712.1	6655.3	6576.2	6475.1	6352.5	6208.9
52.5°	7330.8	7386.9	7420.7	7432.0	7420.7	7386.9	7330.8	7252.6	7152.8	7031.9	6890.3
50°	7940.9	7996.3	8029.7	8040.8	8029.7	7996.3	7940.9	7863.9	7765.5	7646.5	7507.4
47.5°	8500.8	8556.4	8589.9	8601.1	8589.9	8556.4	8500.8	8423.5	8324.9	8205.7	8066.5
45°	8991.5	9044.0	9075.6	9086.2	9075.6	9044.0	8991.5	8918.6	8825.7	8713.5	8580.0
42.5°	9414.6	9463.8	9493.5	9503.4	9493.5	9463.8	9414.6	9346.3	9259.4	9154.7	9024.2
40°	9784.6	9831.7	9860.2	9869.7	9860.2	9831.7	9784.6	9719.3	9636.4	9536.6	9409.3
37.5°	10103.2	10147.2	10173.7	10182.6	10173.7	10147.2	10103.2	10042.4	9965.3	9872.8	9747.9
35°	10371.8	10412.0	10436.3	10444.5	10436.3	10412.0	10371.8	10316.2	10246.0	10157.8	10041.7
32.5°	10599.7	10637.3	10660.1	10667.7	10660.1	10637.3	10599.7	10547.9	10482.6	10397.7	10292.4
30°	10787.0	10820.2	10840.4	10847.2	10840.4	10820.2	10787.0	10741.3	10683.9	10602.9	10505.6
27.5°	10935.7	10964.5	10982.0	10987.9	10982.0	10964.5	10935.7	10896.3	10846.9	10772.4	10687.4
25°	11033.5	11051.1	11061.9	11065.5	11061.9	11051.1	11033.5	11009.4	10972.7	10908.9	10833.5
22.5°	11075.9	11080.9	11083.9	11084.9	11083.9	11080.9	11075.9	11069.3	11047.5	11008.9	10947.2
20°	11079.1	11075.7	11073.5	11072.8	11073.5	11075.7	11079.1	11083.8	11077.5	11066.9	11024.0
17.5°	11059.1	11048.0	11041.1	11038.8	11041.1	11048.0	11059.1	11073.2	11079.5	11081.8	11069.0
15°	11025.4	11009.0	10998.6	10995.1	10998.6	11009.0	11025.4	11045.1	11065.1	11078.1	11081.8
12.5°	10987.6	10969.5	10957.9	10953.9	10957.9	10969.5	10987.6	11011.8	11040.3	11065.1	11079.5
10°	10953.6	10938.4	10928.3	10924.8	10928.3	10938.4	10953.6	10980.4	11011.8	11045.1	11073.2
7.5°	10931.7	10918.0	10910.5	10907.8	10910.5	10918.0	10931.7	10953.6	10987.6	11025.4	11059.1
5°	10918.0	10904.4	10893.0	10888.4	10893.0	10904.4	10918.0	10938.4	10969.5	11009.0	11048.0
2.5°	10910.5	10893.0	10875.6	10866.6	10875.6	10893.0	10910.5	10928.3	10957.9	10998.6	11041.1
0°	10907.8	10888.4	10866.6	10869.0	10866.6	10888.4	10907.8	10924.8	10953.9	10995.1	11038.8
-2.5°	10910.5	10893.0	10875.6	10866.6	10875.6	10893.0	10910.5	10928.3	10957.9	10998.6	11041.1
-5°	10918.0	10904.4	10893.0	10888.4	10893.0	10904.4	10918.0	10938.4	10969.5	11009.0	11048.0
-7.5°	10931.7	10918.0	10910.5	10907.8	10910.5	10918.0	10931.7	10953.6	10987.6	11025.4	11059.1
-10°	10953.6	10938.4	10928.3	10924.8	10928.3	10938.4	10953.6	10980.4	11011.8	11045.1	11073.2
-12.5°	10987.6	10969.5	10957.9	10953.9	10957.9	10969.5	10987.6	11011.8	11040.3	11065.1	11079.5
-15°	11025.4	11009.0	10998.6	10995.1	10998.6	11009.0	11025.4	11045.1	11065.1	11078.1	11081.8
-17.5°	11059.1	11048.0	11041.1	11038.8	11041.1	11048.0	11059.1	11073.2	11079.5	11081.8	11069.0
-20°	11079.1	11075.7	11073.5	11072.8	11073.5	11075.7	11079.1	11083.8	11077.5	11066.9	11024.0



REPORT NUMBER: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	11075.9	11080.9	11083.9	11084.9	11083.9	11080.9	11075.9	11069.3	11047.5	11008.9	10947.2
-25°	11033.5	11051.1	11061.9	11065.5	11061.9	11051.1	11033.5	11009.4	10972.7	10908.9	10833.5
-27.5°	10935.7	10964.5	10982.0	10987.9	10982.0	10964.5	10935.7	10896.3	10846.9	10772.4	10687.4
-30°	10787.0	10820.2	10840.4	10847.2	10840.4	10820.2	10787.0	10741.3	10683.9	10602.9	10505.6
-32.5°	10599.7	10637.3	10660.1	10667.7	10660.1	10637.3	10599.7	10547.9	10482.6	10397.7	10292.4
-35°	10371.8	10412.0	10436.3	10444.5	10436.3	10412.0	10371.8	10316.2	10246.0	10157.8	10041.7
-37.5°	10103.2	10147.2	10173.7	10182.6	10173.7	10147.2	10103.2	10042.4	9965.3	9872.8	9747.9
-40°	9784.6	9831.7	9860.2	9869.7	9860.2	9831.7	9784.6	9719.3	9636.4	9536.6	9409.3
-42.5°	9414.6	9463.8	9493.5	9503.4	9493.5	9463.8	9414.6	9346.3	9259.4	9154.7	9024.2
-45°	8991.5	9044.0	9075.6	9086.2	9075.6	9044.0	8991.5	8918.6	8825.7	8713.5	8580.0
-47.5°	8500.8	8556.4	8589.9	8601.1	8589.9	8556.4	8500.8	8423.5	8324.9	8205.7	8066.5
-50°	7940.9	7996.3	8029.7	8040.8	8029.7	7996.3	7940.9	7863.9	7765.5	7646.5	7507.4
-52.5°	7330.8	7386.9	7420.7	7432.0	7420.7	7386.9	7330.8	7252.6	7152.8	7031.9	6890.3
-55°	6655.3	6712.1	6746.3	6757.7	6746.3	6712.1	6655.3	6576.2	6475.1	6352.5	6208.9
-57.5°	5905.3	5963.7	5998.9	6010.6	5998.9	5963.7	5905.3	5823.9	5719.8	5593.5	5445.4
-60°	5066.7	5122.1	5155.4	5166.5	5155.4	5122.1	5066.7	4989.5	4890.7	4770.6	4629.8
-62.5°	4196.3	4244.7	4273.9	4283.6	4273.9	4244.7	4196.3	4128.7	4042.2	3937.1	3813.7
-65°	3360.0	3397.3	3419.8	3427.3	3419.8	3397.3	3360.0	3307.8	3241.0	3159.8	3064.4
-67.5°	2643.7	2669.4	2684.9	2690.0	2684.9	2669.4	2643.7	2607.9	2562.0	2506.2	2440.5
-70°	2086.1	2104.9	2116.2	2120.0	2116.2	2104.9	2086.1	2059.8	2026.1	1985.1	1937.0
-72.5°	1621.3	1634.2	1641.9	1644.5	1641.9	1634.2	1621.3	1603.3	1580.2	1552.1	1519.1
-75°	1253.6	1261.9	1266.9	1268.6	1266.9	1261.9	1253.6	1241.9	1227.0	1208.8	1187.4
-77.5°	971.4	977.5	981.2	982.4	981.2	977.5	971.4	962.9	952.0	938.8	923.1
-80°	721.0	726.0	729.1	730.1	729.1	726.0	721.0	713.9	704.8	693.7	680.7
-82.5°	459.5	462.9	465.0	465.7	465.0	462.9	459.5	454.7	448.5	441.0	432.2
-85°	222.8	224.3	225.3	225.6	225.3	224.3	222.8	220.6	217.8	214.3	210.3
-87.5°	60.1	60.4	60.5	60.6	60.5	60.4	60.1	59.7	59.2	58.5	57.8
-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: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	56.9	56.0	54.9	53.7	52.5	51.1	49.6	48.1	46.4	44.7	42.8
85°	205.7	200.4	194.6	188.2	181.3	173.8	165.8	157.3	148.3	138.8	128.8
82.5°	422.0	410.6	397.9	383.9	368.8	352.4	334.9	316.2	296.5	275.8	254.0
80°	665.7	648.9	630.1	609.6	587.2	563.2	537.4	510.0	481.0	451.8	422.8
77.5°	905.2	885.0	862.6	837.9	811.2	782.4	751.5	718.2	681.9	643.6	603.6
75°	1162.8	1135.2	1104.5	1070.8	1034.2	994.8	956.2	916.7	875.0	831.1	785.1
72.5°	1481.2	1438.5	1391.1	1339.2	1282.9	1233.3	1183.9	1131.4	1076.0	1017.8	959.9
70°	1881.7	1819.5	1750.6	1675.0	1603.8	1534.1	1459.6	1380.5	1297.0	1223.4	1153.6
67.5°	2365.3	2280.7	2186.9	2090.1	1997.2	1897.4	1790.7	1677.6	1576.4	1477.3	1373.8
65°	2955.1	2832.3	2696.2	2579.7	2454.9	2320.9	2178.0	2042.0	1908.8	1769.1	1627.6
62.5°	3672.3	3513.6	3350.3	3184.9	3005.9	2813.7	2627.3	2459.6	2283.0	2101.6	1940.6
60°	4468.8	4288.0	4093.9	3882.1	3653.0	3410.1	3184.9	2946.8	2696.2	2492.0	2280.7
57.5°	5276.1	5082.5	4863.1	4623.7	4365.0	4093.9	3808.2	3506.4	3222.4	2936.9	2651.1
55°	6044.8	5841.7	5612.6	5363.0	5090.2	4788.8	4468.8	4135.7	3792.0	3433.1	3111.0
52.5°	6725.8	6525.6	6305.1	6065.0	5779.9	5467.7	5135.4	4770.6	4388.4	3998.8	3597.4
50°	7339.9	7143.7	6927.9	6686.4	6406.8	6108.7	5764.8	5389.7	4989.5	4562.1	4124.0
47.5°	7896.8	7704.9	7494.2	7247.7	6975.8	6678.6	6339.7	5980.4	5560.5	5122.1	4649.6
45°	8408.6	8217.7	8005.7	7759.5	7495.6	7192.0	6864.6	6495.9	6099.6	5646.5	5166.5
42.5°	8863.7	8685.3	8473.0	8229.5	7962.9	7663.0	7338.3	6972.8	6574.7	6138.4	5646.5
40°	9260.1	9094.7	8886.2	8660.0	8390.6	8096.0	7764.8	7412.2	7009.1	6574.7	6099.6
37.5°	9606.4	9442.5	9248.7	9033.0	8775.4	8488.6	8160.1	7798.9	7412.2	6972.8	6495.9
35°	9911.2	9750.0	9567.4	9353.5	9117.3	8833.7	8521.6	8160.1	7764.8	7338.3	6864.6
32.5°	10172.9	10018.2	9847.9	9639.1	9406.6	9143.2	8833.7	8488.6	8096.0	7663.0	7192.0
30°	10388.8	10249.6	10083.7	9893.5	9663.2	9406.6	9117.3	8775.4	8390.6	7962.9	7495.6
27.5°	10575.0	10447.5	10287.8	10105.8	9893.5	9639.1	9353.5	9033.0	8660.0	8229.5	7759.5
25°	10731.7	10610.4	10464.5	10287.8	10083.7	9847.9	9567.4	9248.7	8886.2	8473.0	8005.7
22.5°	10861.0	10746.7	10610.4	10447.5	10249.6	10018.2	9750.0	9442.5	9094.7	8685.3	8217.7
20°	10960.3	10861.0	10731.7	10575.0	10388.8	10172.9	9911.2	9606.4	9260.1	8863.7	8408.6
17.5°	11024.0	10947.2	10833.5	10687.4	10505.6	10292.4	10041.7	9747.9	9409.3	9024.2	8580.0
15°	11066.9	11008.9	10908.9	10772.4	10602.9	10397.7	10157.8	9872.8	9536.6	9154.7	8713.5
12.5°	11077.5	11047.5	10972.7	10846.9	10683.9	10482.6	10246.0	9965.3	9636.4	9259.4	8825.7
10°	11083.8	11069.3	11009.4	10896.3	10741.3	10547.9	10316.2	10042.4	9719.3	9346.3	8918.6
7.5°	11079.1	11075.9	11033.5	10935.7	10787.0	10599.7	10371.8	10103.2	9784.6	9414.6	8991.5
5°	11075.7	11080.9	11051.1	10964.5	10820.2	10637.3	10412.0	10147.2	9831.7	9463.8	9044.0
2.5°	11073.5	11083.9	11061.9	10982.0	10840.4	10660.1	10436.3	10173.7	9860.2	9493.5	9075.6
0°	11072.8	11084.9	11065.5	10987.9	10847.2	10667.7	10444.5	10182.6	9869.7	9503.4	9086.2
-2.5°	11073.5	11083.9	11061.9	10982.0	10840.4	10660.1	10436.3	10173.7	9860.2	9493.5	9075.6
-5°	11075.7	11080.9	11051.1	10964.5	10820.2	10637.3	10412.0	10147.2	9831.7	9463.8	9044.0
-7.5°	11079.1	11075.9	11033.5	10935.7	10787.0	10599.7	10371.8	10103.2	9784.6	9414.6	8991.5
-10°	11083.8	11069.3	11009.4	10896.3	10741.3	10547.9	10316.2	10042.4	9719.3	9346.3	8918.6
-12.5°	11077.5	11047.5	10972.7	10846.9	10683.9	10482.6	10246.0	9965.3	9636.4	9259.4	8825.7
-15°	11066.9	11008.9	10908.9	10772.4	10602.9	10397.7	10157.8	9872.8	9536.6	9154.7	8713.5
-17.5°	11024.0	10947.2	10833.5	10687.4	10505.6	10292.4	10041.7	9747.9	9409.3	9024.2	8580.0
-20°	10960.3	10861.0	10731.7	10575.0	10388.8	10172.9	9911.2	9606.4	9260.1	8863.7	8408.6



REPORT NUMBER: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	10861.0	10746.7	10610.4	10447.5	10249.6	10018.2	9750.0	9442.5	9094.7	8685.3	8217.7
-25°	10731.7	10610.4	10464.5	10287.8	10083.7	9847.9	9567.4	9248.7	8886.2	8473.0	8005.7
-27.5°	10575.0	10447.5	10287.8	10105.8	9893.5	9639.1	9353.5	9033.0	8660.0	8229.5	7759.5
-30°	10388.8	10249.6	10083.7	9893.5	9663.2	9406.6	9117.3	8775.4	8390.6	7962.9	7495.6
-32.5°	10172.9	10018.2	9847.9	9639.1	9406.6	9143.2	8833.7	8488.6	8096.0	7663.0	7192.0
-35°	9911.2	9750.0	9567.4	9353.5	9117.3	8833.7	8521.6	8160.1	7764.8	7338.3	6864.6
-37.5°	9606.4	9442.5	9248.7	9033.0	8775.4	8488.6	8160.1	7798.9	7412.2	6972.8	6495.9
-40°	9260.1	9094.7	8886.2	8660.0	8390.6	8096.0	7764.8	7412.2	7009.1	6574.7	6099.6
-42.5°	8863.7	8685.3	8473.0	8229.5	7962.9	7663.0	7338.3	6972.8	6574.7	6138.4	5646.5
-45°	8408.6	8217.7	8005.7	7759.5	7495.6	7192.0	6864.6	6495.9	6099.6	5646.5	5166.5
-47.5°	7896.8	7704.9	7494.2	7247.7	6975.8	6678.6	6339.7	5980.4	5560.5	5122.1	4649.6
-50°	7339.9	7143.7	6927.9	6686.4	6406.8	6108.7	5764.8	5389.7	4989.5	4562.1	4124.0
-52.5°	6725.8	6525.6	6305.1	6065.0	5779.9	5467.7	5135.4	4770.6	4388.4	3998.8	3597.4
-55°	6044.8	5841.7	5612.6	5363.0	5090.2	4788.8	4468.8	4135.7	3792.0	3433.1	3111.0
-57.5°	5276.1	5082.5	4863.1	4623.7	4365.0	4093.9	3808.2	3506.4	3222.4	2936.9	2651.1
-60°	4468.8	4288.0	4093.9	3882.1	3653.0	3410.1	3184.9	2946.8	2696.2	2492.0	2280.7
-62.5°	3672.3	3513.6	3350.3	3184.9	3005.9	2813.7	2627.3	2459.6	2283.0	2101.6	1940.6
-65°	2955.1	2832.3	2696.2	2579.7	2454.9	2320.9	2178.0	2042.0	1908.8	1769.1	1627.6
-67.5°	2365.3	2280.7	2186.9	2090.1	1997.2	1897.4	1790.7	1677.6	1576.4	1477.3	1373.8
-70°	1881.7	1819.5	1750.6	1675.0	1603.8	1534.1	1459.6	1380.5	1297.0	1223.4	1153.6
-72.5°	1481.2	1438.5	1391.1	1339.2	1282.9	1233.3	1183.9	1131.4	1076.0	1017.8	959.9
-75°	1162.8	1135.2	1104.5	1070.8	1034.2	994.8	956.2	916.7	875.0	831.1	785.1
-77.5°	905.2	885.0	862.6	837.9	811.2	782.4	751.5	718.2	681.9	643.6	603.6
-80°	665.7	648.9	630.1	609.6	587.2	563.2	537.4	510.0	481.0	451.8	422.8
-82.5°	422.0	410.6	397.9	383.9	368.8	352.4	334.9	316.2	296.5	275.8	254.0
-85°	205.7	200.4	194.6	188.2	181.3	173.8	165.8	157.3	148.3	138.8	128.8
-87.5°	56.9	56.0	54.9	53.7	52.5	51.1	49.6	48.1	46.4	44.7	42.8
-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: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	40.9	38.9	36.9	34.8	32.6	30.3	28.0	25.6	23.2	20.7	18.2
85°	118.4	107.6	96.3	84.7	72.7	60.5	55.9	51.2	46.3	41.4	36.4
82.5°	231.3	213.2	196.4	179.0	161.0	142.6	123.7	104.3	84.6	64.5	54.5
80°	392.4	360.9	328.2	294.4	259.6	224.3	199.1	173.4	147.1	120.3	93.1
77.5°	561.8	518.3	473.2	430.3	386.8	342.1	296.3	249.4	209.2	175.8	141.9
75°	737.2	685.3	631.2	575.4	517.9	459.5	404.6	348.5	291.3	233.1	190.2
72.5°	903.8	845.6	785.4	722.9	655.9	587.0	516.6	446.6	380.0	312.3	243.7
70°	1080.8	1005.3	933.7	862.6	789.6	713.9	633.5	551.5	467.9	390.6	312.3
67.5°	1266.7	1181.6	1093.6	1003.0	918.4	834.2	748.0	656.8	563.1	467.9	380.0
65°	1507.6	1383.3	1258.1	1157.4	1053.9	952.0	856.6	759.2	656.8	551.5	446.6
62.5°	1773.3	1609.3	1467.9	1322.4	1195.9	1079.5	963.3	856.6	748.0	633.5	516.6
60°	2071.0	1881.7	1686.5	1519.1	1356.4	1208.8	1079.5	952.0	834.2	713.9	587.0
57.5°	2412.8	2166.6	1947.3	1730.0	1536.2	1356.4	1195.9	1053.9	918.4	789.6	655.9
55°	2778.2	2492.7	2219.6	1969.3	1730.0	1519.1	1322.4	1157.4	1003.0	862.6	722.9
52.5°	3216.4	2848.0	2519.5	2219.6	1947.3	1686.5	1467.9	1258.1	1093.6	933.7	785.4
50°	3680.2	3251.7	2848.0	2492.7	2166.6	1881.7	1609.3	1383.3	1181.6	1005.3	845.6
47.5°	4165.9	3680.2	3216.4	2778.2	2412.8	2071.0	1773.3	1507.6	1266.7	1080.8	903.8
45°	4649.6	4124.0	3597.4	3111.0	2651.1	2280.7	1940.6	1627.6	1373.8	1153.6	959.9
42.5°	5122.1	4562.1	3998.8	3433.1	2936.9	2492.0	2101.6	1769.1	1477.3	1223.4	1017.8
40°	5560.5	4989.5	4388.4	3792.0	3222.4	2696.2	2283.0	1908.8	1576.4	1297.0	1076.0
37.5°	5980.4	5389.7	4770.6	4135.7	3506.4	2946.8	2459.6	2042.0	1677.6	1380.5	1131.4
35°	6339.7	5764.8	5135.4	4468.8	3808.2	3184.9	2627.3	2178.0	1790.7	1459.6	1183.9
32.5°	6678.6	6108.7	5467.7	4788.8	4093.9	3410.1	2813.7	2320.9	1897.4	1534.1	1233.3
30°	6975.8	6406.8	5779.9	5090.2	4365.0	3653.0	3005.9	2454.9	1997.2	1603.8	1282.9
27.5°	7247.7	6686.4	6065.0	5363.0	4623.7	3882.1	3184.9	2579.7	2090.1	1675.0	1339.2
25°	7494.2	6927.9	6305.1	5612.6	4863.1	4093.9	3350.3	2696.2	2186.9	1750.6	1391.1
22.5°	7704.9	7143.7	6525.6	5841.7	5082.5	4288.0	3513.6	2832.3	2280.7	1819.5	1438.5
20°	7896.8	7339.9	6725.8	6044.8	5276.1	4468.8	3672.3	2955.1	2365.3	1881.7	1481.2
17.5°	8066.5	7507.4	6890.3	6208.9	5445.4	4629.8	3813.7	3064.4	2440.5	1937.0	1519.1
15°	8205.7	7646.5	7031.9	6352.5	5593.5	4770.6	3937.1	3159.8	2506.2	1985.1	1552.1
12.5°	8324.9	7765.5	7152.8	6475.1	5719.8	4890.7	4042.2	3241.0	2562.0	2026.1	1580.2
10°	8423.5	7863.9	7252.6	6576.2	5823.9	4989.5	4128.7	3307.8	2607.9	2059.8	1603.3
7.5°	8500.8	7940.9	7330.8	6655.3	5905.3	5066.7	4196.3	3360.0	2643.7	2086.1	1621.3
5°	8556.4	7996.3	7386.9	6712.1	5963.7	5122.1	4244.7	3397.3	2669.4	2104.9	1634.2
2.5°	8589.9	8029.7	7420.7	6746.3	5998.9	5155.4	4273.9	3419.8	2684.9	2116.2	1641.9
0°	8601.1	8040.8	7432.0	6757.7	6010.6	5166.5	4283.6	3427.3	2690.0	2120.0	1644.5
-2.5°	8589.9	8029.7	7420.7	6746.3	5998.9	5155.4	4273.9	3419.8	2684.9	2116.2	1641.9
-5°	8556.4	7996.3	7386.9	6712.1	5963.7	5122.1	4244.7	3397.3	2669.4	2104.9	1634.2
-7.5°	8500.8	7940.9	7330.8	6655.3	5905.3	5066.7	4196.3	3360.0	2643.7	2086.1	1621.3
-10°	8423.5	7863.9	7252.6	6576.2	5823.9	4989.5	4128.7	3307.8	2607.9	2059.8	1603.3
-12.5°	8324.9	7765.5	7152.8	6475.1	5719.8	4890.7	4042.2	3241.0	2562.0	2026.1	1580.2
-15°	8205.7	7646.5	7031.9	6352.5	5593.5	4770.6	3937.1	3159.8	2506.2	1985.1	1552.1
-17.5°	8066.5	7507.4	6890.3	6208.9	5445.4	4629.8	3813.7	3064.4	2440.5	1937.0	1519.1
-20°	7896.8	7339.9	6725.8	6044.8	5276.1	4468.8	3672.3	2955.1	2365.3	1881.7	1481.2



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7704.9	7143.7	6525.6	5841.7	5082.5	4288.0	3513.6	2832.3	2280.7	1819.5	1438.5
-25°	7494.2	6927.9	6305.1	5612.6	4863.1	4093.9	3350.3	2696.2	2186.9	1750.6	1391.1
-27.5°	7247.7	6686.4	6065.0	5363.0	4623.7	3882.1	3184.9	2579.7	2090.1	1675.0	1339.2
-30°	6975.8	6406.8	5779.9	5090.2	4365.0	3653.0	3005.9	2454.9	1997.2	1603.8	1282.9
-32.5°	6678.6	6108.7	5467.7	4788.8	4093.9	3410.1	2813.7	2320.9	1897.4	1534.1	1233.3
-35°	6339.7	5764.8	5135.4	4468.8	3808.2	3184.9	2627.3	2178.0	1790.7	1459.6	1183.9
-37.5°	5980.4	5389.7	4770.6	4135.7	3506.4	2946.8	2459.6	2042.0	1677.6	1380.5	1131.4
-40°	5560.5	4989.5	4388.4	3792.0	3222.4	2696.2	2283.0	1908.8	1576.4	1297.0	1076.0
-42.5°	5122.1	4562.1	3998.8	3433.1	2936.9	2492.0	2101.6	1769.1	1477.3	1223.4	1017.8
-45°	4649.6	4124.0	3597.4	3111.0	2651.1	2280.7	1940.6	1627.6	1373.8	1153.6	959.9
-47.5°	4165.9	3680.2	3216.4	2778.2	2412.8	2071.0	1773.3	1507.6	1266.7	1080.8	903.8
-50°	3680.2	3251.7	2848.0	2492.7	2166.6	1881.7	1609.3	1383.3	1181.6	1005.3	845.6
-52.5°	3216.4	2848.0	2519.5	2219.6	1947.3	1686.5	1467.9	1258.1	1093.6	933.7	785.4
-55°	2778.2	2492.7	2219.6	1969.3	1730.0	1519.1	1322.4	1157.4	1003.0	862.6	722.9
-57.5°	2412.8	2166.6	1947.3	1730.0	1536.2	1356.4	1195.9	1053.9	918.4	789.6	655.9
-60°	2071.0	1881.7	1686.5	1519.1	1356.4	1208.8	1079.5	952.0	834.2	713.9	587.0
-62.5°	1773.3	1609.3	1467.9	1322.4	1195.9	1079.5	963.3	856.6	748.0	633.5	516.6
-65°	1507.6	1383.3	1258.1	1157.4	1053.9	952.0	856.6	759.2	656.8	551.5	446.6
-67.5°	1266.7	1181.6	1093.6	1003.0	918.4	834.2	748.0	656.8	563.1	467.9	380.0
-70°	1080.8	1005.3	933.7	862.6	789.6	713.9	633.5	551.5	467.9	390.6	312.3
-72.5°	903.8	845.6	785.4	722.9	655.9	587.0	516.6	446.6	380.0	312.3	243.7
-75°	737.2	685.3	631.2	575.4	517.9	459.5	404.6	348.5	291.3	233.1	190.2
-77.5°	561.8	518.3	473.2	430.3	386.8	342.1	296.3	249.4	209.2	175.8	141.9
-80°	392.4	360.9	328.2	294.4	259.6	224.3	199.1	173.4	147.1	120.3	93.1
-82.5°	231.3	213.2	196.4	179.0	161.0	142.6	123.7	104.3	84.6	64.5	54.5
-85°	118.4	107.6	96.3	84.7	72.7	60.5	55.9	51.2	46.3	41.4	36.4
-87.5°	40.9	38.9	36.9	34.8	32.6	30.3	28.0	25.6	23.2	20.7	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: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	15.7	13.1	10.5	7.9	5.3	2.6	0.0
85°	31.3	26.2	21.0	15.8	10.5	5.3	0.0
82.5°	46.9	39.2	31.5	23.7	15.8	7.9	0.0
80°	65.6	52.2	41.9	31.5	21.0	10.5	0.0
77.5°	107.5	72.8	52.2	39.2	26.2	13.1	0.0
75°	149.1	107.5	65.6	46.9	31.3	15.7	0.0
72.5°	190.2	141.9	93.1	54.5	36.4	18.2	0.0
70°	233.1	175.8	120.3	64.5	41.4	20.7	0.0
67.5°	291.3	209.2	147.1	84.6	46.3	23.2	0.0
65°	348.5	249.4	173.4	104.3	51.2	25.6	0.0
62.5°	404.6	296.3	199.1	123.7	55.9	28.0	0.0
60°	459.5	342.1	224.3	142.6	60.5	30.3	0.0
57.5°	517.9	386.8	259.6	161.0	72.7	32.6	0.0
55°	575.4	430.3	294.4	179.0	84.7	34.8	0.0
52.5°	631.2	473.2	328.2	196.4	96.3	36.9	0.0
50°	685.3	518.3	360.9	213.2	107.6	38.9	0.0
47.5°	737.2	561.8	392.4	231.3	118.4	40.9	0.0
45°	785.1	603.6	422.8	254.0	128.8	42.8	0.0
42.5°	831.1	643.6	451.8	275.8	138.8	44.7	0.0
40°	875.0	681.9	481.0	296.5	148.3	46.4	0.0
37.5°	916.7	718.2	510.0	316.2	157.3	48.1	0.0
35°	956.2	751.5	537.4	334.9	165.8	49.6	0.0
32.5°	994.8	782.4	563.2	352.4	173.8	51.1	0.0
30°	1034.2	811.2	587.2	368.8	181.3	52.5	0.0
27.5°	1070.8	837.9	609.6	383.9	188.2	53.7	0.0
25°	1104.5	862.6	630.1	397.9	194.6	54.9	0.0
22.5°	1135.2	885.0	648.9	410.6	200.4	56.0	0.0
20°	1162.8	905.2	665.7	422.0	205.7	56.9	0.0
17.5°	1187.4	923.1	680.7	432.2	210.3	57.8	0.0
15°	1208.8	938.8	693.7	441.0	214.3	58.5	0.0
12.5°	1227.0	952.0	704.8	448.5	217.8	59.2	0.0
10°	1241.9	962.9	713.9	454.7	220.6	59.7	0.0
7.5°	1253.6	971.4	721.0	459.5	222.8	60.1	0.0
5°	1261.9	977.5	726.0	462.9	224.3	60.4	0.0
2.5°	1266.9	981.2	729.1	465.0	225.3	60.5	0.0
0°	1268.6	982.4	730.1	465.7	225.6	60.6	0.0
-2.5°	1266.9	981.2	729.1	465.0	225.3	60.5	0.0
-5°	1261.9	977.5	726.0	462.9	224.3	60.4	0.0
-7.5°	1253.6	971.4	721.0	459.5	222.8	60.1	0.0
-10°	1241.9	962.9	713.9	454.7	220.6	59.7	0.0
-12.5°	1227.0	952.0	704.8	448.5	217.8	59.2	0.0
-15°	1208.8	938.8	693.7	441.0	214.3	58.5	0.0
-17.5°	1187.4	923.1	680.7	432.2	210.3	57.8	0.0
-20°	1162.8	905.2	665.7	422.0	205.7	56.9	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645572 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1135.2	885.0	648.9	410.6	200.4	56.0	0.0
-25°	1104.5	862.6	630.1	397.9	194.6	54.9	0.0
-27.5°	1070.8	837.9	609.6	383.9	188.2	53.7	0.0
-30°	1034.2	811.2	587.2	368.8	181.3	52.5	0.0
-32.5°	994.8	782.4	563.2	352.4	173.8	51.1	0.0
-35°	956.2	751.5	537.4	334.9	165.8	49.6	0.0
-37.5°	916.7	718.2	510.0	316.2	157.3	48.1	0.0
-40°	875.0	681.9	481.0	296.5	148.3	46.4	0.0
-42.5°	831.1	643.6	451.8	275.8	138.8	44.7	0.0
-45°	785.1	603.6	422.8	254.0	128.8	42.8	0.0
-47.5°	737.2	561.8	392.4	231.3	118.4	40.9	0.0
-50°	685.3	518.3	360.9	213.2	107.6	38.9	0.0
-52.5°	631.2	473.2	328.2	196.4	96.3	36.9	0.0
-55°	575.4	430.3	294.4	179.0	84.7	34.8	0.0
-57.5°	517.9	386.8	259.6	161.0	72.7	32.6	0.0
-60°	459.5	342.1	224.3	142.6	60.5	30.3	0.0
-62.5°	404.6	296.3	199.1	123.7	55.9	28.0	0.0
-65°	348.5	249.4	173.4	104.3	51.2	25.6	0.0
-67.5°	291.3	209.2	147.1	84.6	46.3	23.2	0.0
-70°	233.1	175.8	120.3	64.5	41.4	20.7	0.0
-72.5°	190.2	141.9	93.1	54.5	36.4	18.2	0.0
-75°	149.1	107.5	65.6	46.9	31.3	15.7	0.0
-77.5°	107.5	72.8	52.2	39.2	26.2	13.1	0.0
-80°	65.6	52.2	41.9	31.5	21.0	10.5	0.0
-82.5°	46.9	39.2	31.5	23.7	15.8	7.9	0.0
-85°	31.3	26.2	21.0	15.8	10.5	5.3	0.0
-87.5°	15.7	13.1	10.5	7.9	5.3	2.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)