

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: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-735-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5C-735-U-VWR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N122  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

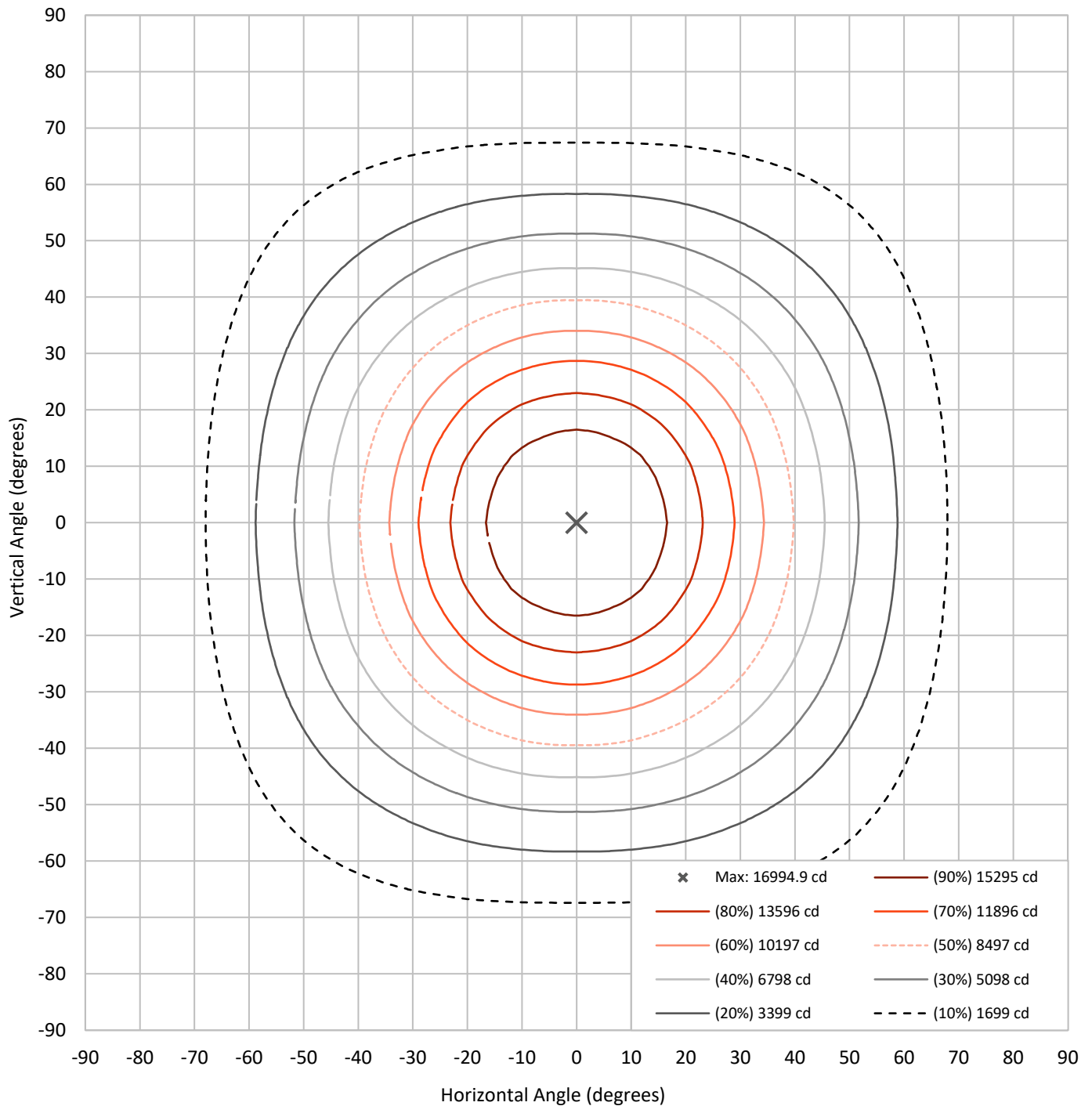
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	30716.9 lumens	Max Intensity:	16994.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	149.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	18015.6 lumens	Field Lumens:	29283.3 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	206.1		
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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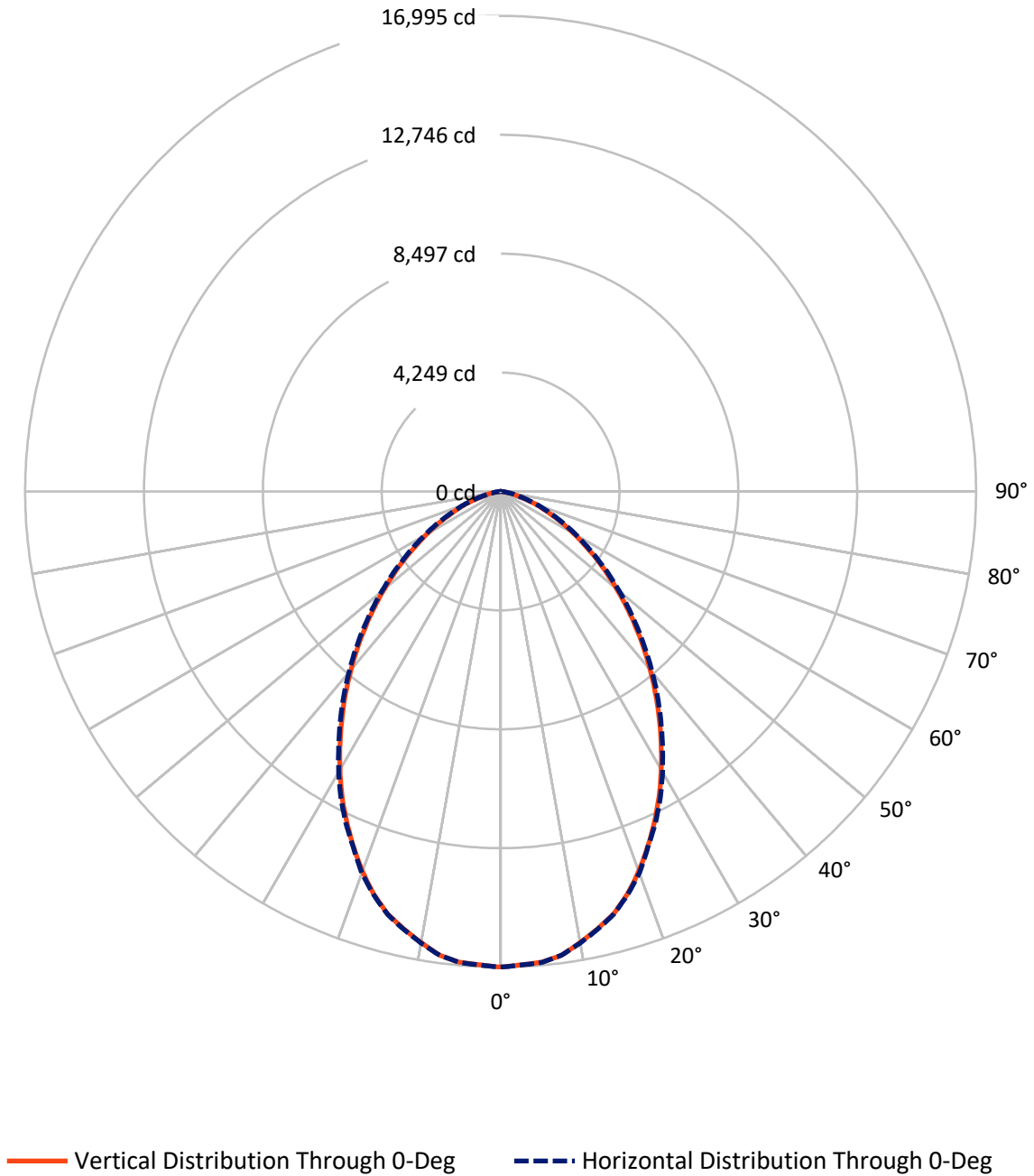
### Iso-Candela Plot





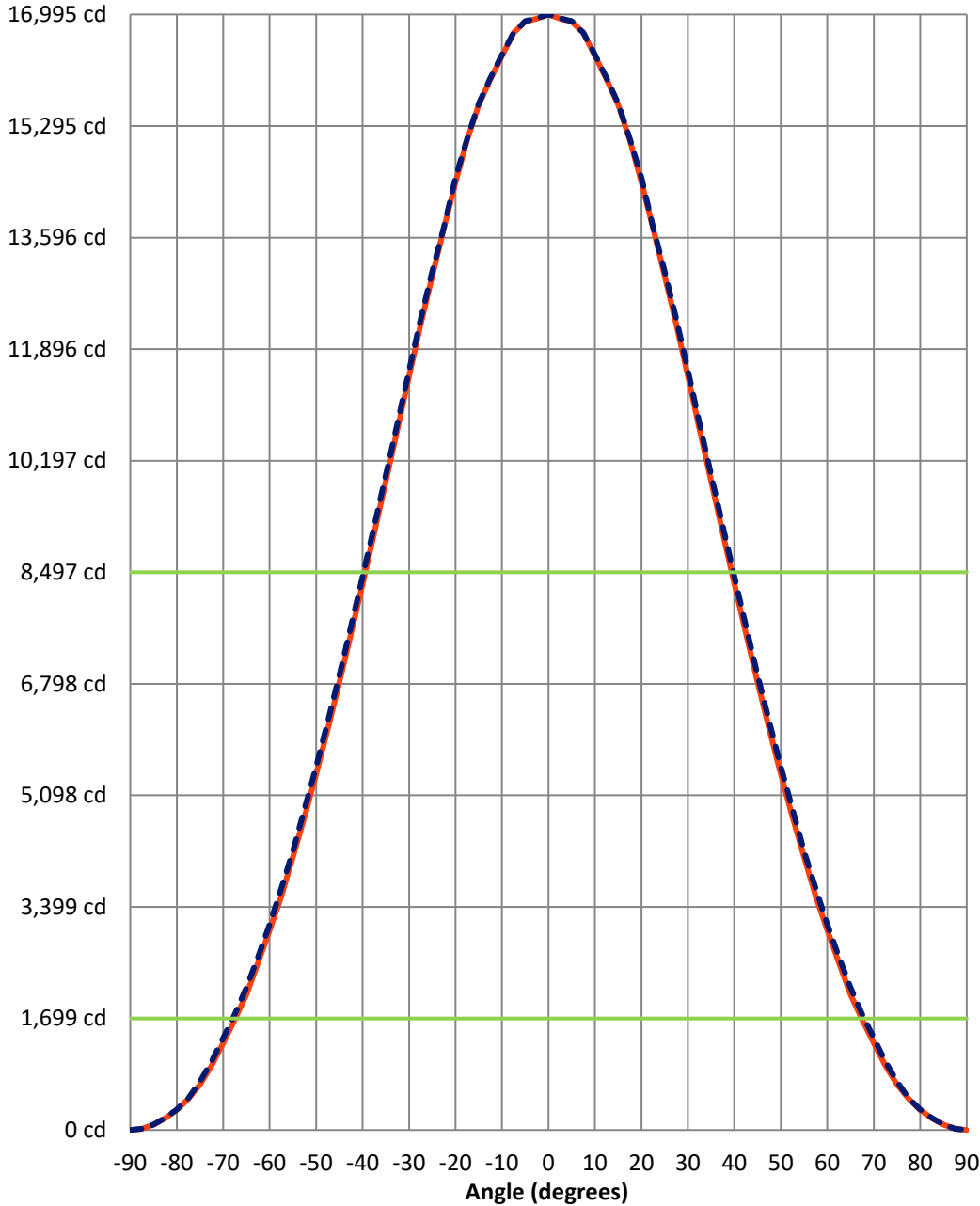
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 18015.6  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 29283.3  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 1433.6  
 Efficiency: 4.7%

- Vertical Distribution through 0-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	1.0	2.2	3.3	4.4	5.5	6.6	7.7	8.7	9.8	10.8
85°	0.0	1.9	4.4	6.6	8.8	11.0	13.2	15.3	17.4	19.5	21.5
82.5°	0.0	2.9	6.6	10.0	13.2	16.5	19.7	22.9	28.7	45.2	60.9
80°	0.0	3.9	8.8	13.2	17.6	22.0	29.7	52.9	75.1	96.5	117.0
77.5°	0.0	4.8	11.0	16.5	22.0	34.4	64.7	93.9	121.3	147.6	180.3
75°	0.0	5.7	13.1	19.7	28.6	59.6	98.8	134.6	168.8	216.0	266.1
72.5°	0.0	6.7	15.1	22.9	45.6	84.0	131.9	178.3	232.2	289.6	350.4
70°	0.0	7.6	17.2	27.5	62.0	107.5	164.9	230.8	294.2	361.8	440.8
67.5°	0.0	8.4	19.1	37.6	77.8	130.0	204.6	282.1	354.9	440.2	530.8
65°	0.0	9.3	21.0	47.4	92.9	155.3	242.6	332.0	420.4	516.3	615.0
62.5°	0.0	10.1	22.9	56.7	107.2	182.9	278.7	384.1	483.7	589.1	690.4
60°	0.0	10.9	24.6	65.5	120.6	209.1	312.6	435.8	544.6	657.2	764.7
57.5°	0.0	11.7	29.6	73.8	138.5	233.7	348.4	484.0	604.7	724.1	835.2
55°	0.0	12.5	34.4	81.5	155.6	256.6	382.2	525.6	663.8	788.7	902.8
52.5°	0.0	13.2	39.1	88.7	171.4	278.3	413.6	568.9	721.5	848.2	968.6
50°	0.0	13.9	43.5	95.2	186.0	301.3	442.3	610.0	776.4	905.9	1044.2
47.5°	0.0	14.5	47.8	102.0	199.4	322.3	469.3	648.2	826.0	961.8	1118.1
45°	0.0	15.1	51.8	110.8	211.3	341.3	499.2	683.4	864.6	1025.0	1188.9
42.5°	0.0	15.7	55.6	118.8	222.0	358.2	526.7	715.8	901.6	1085.5	1272.2
40°	0.0	16.2	59.2	127.0	232.6	373.0	551.6	746.5	940.0	1142.1	1353.4
37.5°	0.0	16.7	62.6	135.1	243.2	385.6	573.9	775.6	983.2	1195.9	1429.6
35°	0.0	17.1	65.7	142.7	252.3	400.1	593.6	803.1	1025.2	1257.8	1506.3
32.5°	0.0	17.6	68.6	149.6	259.9	414.7	611.8	828.7	1066.0	1317.3	1587.6
30°	0.0	17.9	71.2	156.0	266.0	427.1	630.7	854.4	1105.4	1374.2	1663.5
27.5°	0.0	18.3	73.6	161.8	275.0	437.4	647.7	884.2	1145.9	1428.2	1734.0
25°	0.0	18.5	75.7	166.9	283.6	445.6	662.7	911.8	1188.1	1483.2	1799.2
22.5°	0.0	18.8	77.6	171.5	291.1	453.8	675.5	937.2	1227.0	1535.2	1868.6
20°	0.0	19.0	79.2	175.4	297.6	465.1	686.1	960.0	1262.3	1581.6	1930.8
17.5°	0.0	19.1	80.5	178.7	303.0	474.3	699.3	980.1	1293.7	1622.4	1985.7
15°	0.0	19.2	81.6	181.4	307.4	481.5	713.1	999.2	1321.1	1657.4	2033.0
12.5°	0.0	19.3	82.5	183.5	310.8	486.6	724.2	1017.2	1345.8	1686.5	2072.6
10°	0.0	19.4	83.0	185.0	313.1	489.8	732.8	1031.1	1367.2	1713.7	2106.0
7.5°	0.0	19.4	83.4	185.8	314.4	491.1	738.6	1040.8	1383.6	1735.7	2134.9
5°	0.0	19.3	83.4	186.0	314.6	490.6	741.6	1046.3	1394.9	1751.6	2155.5
2.5°	0.0	19.2	83.2	185.7	313.9	488.2	741.7	1047.6	1400.9	1761.2	2168.0
0°	0.0	19.1	82.8	184.7	312.1	484.1	738.9	1044.7	1401.4	1764.5	2172.1
-2.5°	0.0	19.2	83.2	185.7	313.9	488.2	741.7	1047.6	1400.9	1761.2	2168.0
-5°	0.0	19.3	83.4	186.0	314.6	490.6	741.6	1046.3	1394.9	1751.6	2155.5
-7.5°	0.0	19.4	83.4	185.8	314.4	491.1	738.6	1040.8	1383.6	1735.7	2134.9
-10°	0.0	19.4	83.0	185.0	313.1	489.8	732.8	1031.1	1367.2	1713.7	2106.0
-12.5°	0.0	19.3	82.5	183.5	310.8	486.6	724.2	1017.2	1345.8	1686.5	2072.6
-15°	0.0	19.2	81.6	181.4	307.4	481.5	713.1	999.2	1321.1	1657.4	2033.0
-17.5°	0.0	19.1	80.5	178.7	303.0	474.3	699.3	980.1	1293.7	1622.4	1985.7
-20°	0.0	19.0	79.2	175.4	297.6	465.1	686.1	960.0	1262.3	1581.6	1930.8

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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	18.8	77.6	171.5	291.1	453.8	675.5	937.2	1227.0	1535.2	1868.6
-25°	0.0	18.5	75.7	166.9	283.6	445.6	662.7	911.8	1188.1	1483.2	1799.2
-27.5°	0.0	18.3	73.6	161.8	275.0	437.4	647.7	884.2	1145.9	1428.2	1734.0
-30°	0.0	17.9	71.2	156.0	266.0	427.1	630.7	854.4	1105.4	1374.2	1663.5
-32.5°	0.0	17.6	68.6	149.6	259.9	414.7	611.8	828.7	1066.0	1317.3	1587.6
-35°	0.0	17.1	65.7	142.7	252.3	400.1	593.6	803.1	1025.2	1257.8	1506.3
-37.5°	0.0	16.7	62.6	135.1	243.2	385.6	573.9	775.6	983.2	1195.9	1429.6
-40°	0.0	16.2	59.2	127.0	232.6	373.0	551.6	746.5	940.0	1142.1	1353.4
-42.5°	0.0	15.7	55.6	118.8	222.0	358.2	526.7	715.8	901.6	1085.5	1272.2
-45°	0.0	15.1	51.8	110.8	211.3	341.3	499.2	683.4	864.6	1025.0	1188.9
-47.5°	0.0	14.5	47.8	102.0	199.4	322.3	469.3	648.2	826.0	961.8	1118.1
-50°	0.0	13.9	43.5	95.2	186.0	301.3	442.3	610.0	776.4	905.9	1044.2
-52.5°	0.0	13.2	39.1	88.7	171.4	278.3	413.6	568.9	721.5	848.2	968.6
-55°	0.0	12.5	34.4	81.5	155.6	256.6	382.2	525.6	663.8	788.7	902.8
-57.5°	0.0	11.7	29.6	73.8	138.5	233.7	348.4	484.0	604.7	724.1	835.2
-60°	0.0	10.9	24.6	65.5	120.6	209.1	312.6	435.8	544.6	657.2	764.7
-62.5°	0.0	10.1	22.9	56.7	107.2	182.9	278.7	384.1	483.7	589.1	690.4
-65°	0.0	9.3	21.0	47.4	92.9	155.3	242.6	332.0	420.4	516.3	615.0
-67.5°	0.0	8.4	19.1	37.6	77.8	130.0	204.6	282.1	354.9	440.2	530.8
-70°	0.0	7.6	17.2	27.5	62.0	107.5	164.9	230.8	294.2	361.8	440.8
-72.5°	0.0	6.7	15.1	22.9	45.6	84.0	131.9	178.3	232.2	289.6	350.4
-75°	0.0	5.7	13.1	19.7	28.6	59.6	98.8	134.6	168.8	216.0	266.1
-77.5°	0.0	4.8	11.0	16.5	22.0	34.4	64.7	93.9	121.3	147.6	180.3
-80°	0.0	3.9	8.8	13.2	17.6	22.0	29.7	52.9	75.1	96.5	117.0
-82.5°	0.0	2.9	6.6	10.0	13.2	16.5	19.7	22.9	28.7	45.2	60.9
-85°	0.0	1.9	4.4	6.6	8.8	11.0	13.2	15.3	17.4	19.5	21.5
-87.5°	0.0	1.0	2.2	3.3	4.4	5.5	6.6	7.7	8.7	9.8	10.8
-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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 CATALOG NUMBER: GFLD-SA5C-735-U-VWR-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°	12.5	14.3	16.2	18.2	18.4	18.4	18.3	18.0	18.8	19.5	20.2
85°	24.9	28.6	39.7	50.4	55.6	58.8	60.2	60.0	69.8	81.1	93.3
82.5°	77.5	93.4	108.7	123.2	126.9	127.0	125.8	126.2	149.1	175.4	202.3
80°	138.0	158.2	185.1	208.9	219.3	224.6	227.1	226.7	255.7	294.3	335.0
77.5°	218.9	253.0	282.7	307.9	321.5	333.6	343.4	350.9	388.2	437.0	485.4
75°	311.1	348.6	385.7	418.2	440.8	457.7	473.3	498.5	547.3	604.3	653.8
72.5°	408.5	456.2	497.7	532.9	564.7	598.5	636.3	677.6	729.2	786.0	837.9
70°	512.4	564.9	608.3	650.7	694.0	744.6	801.3	857.1	914.6	977.4	1037.8
67.5°	614.0	664.7	715.8	769.3	834.1	901.9	968.9	1045.9	1124.6	1194.3	1256.7
65°	702.3	761.7	825.7	898.2	978.4	1064.4	1153.9	1246.2	1346.1	1429.8	1506.1
62.5°	786.7	858.1	935.8	1026.2	1128.4	1230.3	1344.4	1460.0	1572.4	1671.1	1762.2
60°	864.4	950.9	1049.2	1160.0	1279.3	1414.8	1544.7	1676.2	1799.5	1911.2	2026.4
57.5°	940.0	1048.9	1166.8	1299.9	1450.7	1602.8	1755.6	1897.0	2036.6	2172.7	2303.0
55°	1020.0	1151.2	1291.5	1454.8	1624.8	1804.7	1969.3	2127.1	2280.9	2446.1	2603.1
52.5°	1108.0	1254.6	1430.2	1612.9	1809.4	2002.5	2183.3	2363.0	2548.9	2735.8	2940.2
50°	1193.0	1375.7	1568.1	1780.7	1992.9	2199.8	2407.1	2614.1	2836.8	3066.1	3297.7
47.5°	1292.3	1491.7	1719.0	1946.9	2178.7	2409.0	2640.1	2890.2	3143.2	3409.1	3665.3
45°	1392.7	1616.9	1861.9	2119.6	2370.3	2625.2	2895.4	3171.9	3468.5	3760.9	4069.2
42.5°	1487.9	1741.4	2011.4	2289.7	2568.6	2853.4	3150.4	3473.5	3797.7	4134.9	4473.6
40°	1593.4	1859.8	2157.4	2464.0	2766.6	3082.4	3421.8	3771.7	4138.5	4509.4	4877.2
37.5°	1694.8	1987.6	2300.5	2630.5	2970.1	3317.1	3685.7	4082.8	4480.7	4879.7	5285.3
35°	1789.7	2108.8	2447.7	2798.0	3158.2	3552.9	3965.0	4388.9	4819.9	5251.5	5687.8
32.5°	1887.4	2223.0	2588.4	2963.3	3360.2	3783.5	4234.8	4694.2	5153.2	5614.1	6091.7
30°	1985.3	2342.9	2724.7	3119.6	3553.7	4014.9	4500.0	4986.6	5472.2	5979.4	6488.3
27.5°	2077.9	2456.6	2858.5	3281.2	3739.2	4229.3	4744.4	5265.6	5789.2	6328.5	6871.3
25°	2163.1	2564.3	2982.8	3436.6	3922.1	4435.5	4972.2	5516.1	6090.3	6667.3	7234.2
22.5°	2246.1	2663.3	3097.9	3579.8	4087.8	4627.0	5185.8	5760.2	6360.2	6979.9	7566.5
20°	2326.0	2757.5	3209.9	3709.6	4236.3	4799.4	5380.1	5981.5	6611.0	7247.2	7878.2
17.5°	2397.0	2841.2	3314.2	3831.0	4377.9	4957.0	5555.0	6176.3	6833.8	7493.2	8161.8
15°	2458.8	2914.1	3404.4	3936.9	4503.1	5100.3	5717.4	6356.3	7030.8	7717.5	8412.5
12.5°	2511.1	2975.8	3480.5	4026.8	4609.4	5223.1	5857.0	6518.3	7211.0	7916.9	8632.1
10°	2553.6	3026.1	3542.0	4100.4	4696.1	5324.7	5971.9	6651.9	7365.3	8086.5	8816.8
7.5°	2589.7	3068.1	3590.8	4157.2	4763.0	5404.2	6061.4	6756.0	7488.2	8218.9	8965.1
5°	2616.0	3102.0	3635.6	4204.7	4821.2	5466.4	6129.2	6830.2	7578.1	8313.1	9072.7
2.5°	2631.8	3124.1	3666.1	4235.5	4866.9	5512.9	6189.4	6895.9	7644.0	8387.9	9153.6
0°	2637.1	3134.0	3681.8	4248.7	4892.1	5535.5	6223.4	6930.5	7675.7	8433.8	9204.5
-2.5°	2631.8	3124.1	3666.1	4235.5	4866.9	5512.9	6189.4	6895.9	7644.0	8387.9	9153.6
-5°	2616.0	3102.0	3635.6	4204.7	4821.2	5466.4	6129.2	6830.2	7578.1	8313.1	9072.7
-7.5°	2589.7	3068.1	3590.8	4157.2	4763.0	5404.2	6061.4	6756.0	7488.2	8218.9	8965.1
-10°	2553.6	3026.1	3542.0	4100.4	4696.1	5324.7	5971.9	6651.9	7365.3	8086.5	8816.8
-12.5°	2511.1	2975.8	3480.5	4026.8	4609.4	5223.1	5857.0	6518.3	7211.0	7916.9	8632.1
-15°	2458.8	2914.1	3404.4	3936.9	4503.1	5100.3	5717.4	6356.3	7030.8	7717.5	8412.5
-17.5°	2397.0	2841.2	3314.2	3831.0	4377.9	4957.0	5555.0	6176.3	6833.8	7493.2	8161.8
-20°	2326.0	2757.5	3209.9	3709.6	4236.3	4799.4	5380.1	5981.5	6611.0	7247.2	7878.2

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5C-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2246.1	2663.3	3097.9	3579.8	4087.8	4627.0	5185.8	5760.2	6360.2	6979.9	7566.5
-25°	2163.1	2564.3	2982.8	3436.6	3922.1	4435.5	4972.2	5516.1	6090.3	6667.3	7234.2
-27.5°	2077.9	2456.6	2858.5	3281.2	3739.2	4229.3	4744.4	5265.6	5789.2	6328.5	6871.3
-30°	1985.3	2342.9	2724.7	3119.6	3553.7	4014.9	4500.0	4986.6	5472.2	5979.4	6488.3
-32.5°	1887.4	2223.0	2588.4	2963.3	3360.2	3783.5	4234.8	4694.2	5153.2	5614.1	6091.7
-35°	1789.7	2108.8	2447.7	2798.0	3158.2	3552.9	3965.0	4388.9	4819.9	5251.5	5687.8
-37.5°	1694.8	1987.6	2300.5	2630.5	2970.1	3317.1	3685.7	4082.8	4480.7	4879.7	5285.3
-40°	1593.4	1859.8	2157.4	2464.0	2766.6	3082.4	3421.8	3771.7	4138.5	4509.4	4877.2
-42.5°	1487.9	1741.4	2011.4	2289.7	2568.6	2853.4	3150.4	3473.5	3797.7	4134.9	4473.6
-45°	1392.7	1616.9	1861.9	2119.6	2370.3	2625.2	2895.4	3171.9	3468.5	3760.9	4069.2
-47.5°	1292.3	1491.7	1719.0	1946.9	2178.7	2409.0	2640.1	2890.2	3143.2	3409.1	3665.3
-50°	1193.0	1375.7	1568.1	1780.7	1992.9	2199.8	2407.1	2614.1	2836.8	3066.1	3297.7
-52.5°	1108.0	1254.6	1430.2	1612.9	1809.4	2002.5	2183.3	2363.0	2548.9	2735.8	2940.2
-55°	1020.0	1151.2	1291.5	1454.8	1624.8	1804.7	1969.3	2127.1	2280.9	2446.1	2603.1
-57.5°	940.0	1048.9	1166.8	1299.9	1450.7	1602.8	1755.6	1897.0	2036.6	2172.7	2303.0
-60°	864.4	950.9	1049.2	1160.0	1279.3	1414.8	1544.7	1676.2	1799.5	1911.2	2026.4
-62.5°	786.7	858.1	935.8	1026.2	1128.4	1230.3	1344.4	1460.0	1572.4	1671.1	1762.2
-65°	702.3	761.7	825.7	898.2	978.4	1064.4	1153.9	1246.2	1346.1	1429.8	1506.1
-67.5°	614.0	664.7	715.8	769.3	834.1	901.9	968.9	1045.9	1124.6	1194.3	1256.7
-70°	512.4	564.9	608.3	650.7	694.0	744.6	801.3	857.1	914.6	977.4	1037.8
-72.5°	408.5	456.2	497.7	532.9	564.7	598.5	636.3	677.6	729.2	786.0	837.9
-75°	311.1	348.6	385.7	418.2	440.8	457.7	473.3	498.5	547.3	604.3	653.8
-77.5°	218.9	253.0	282.7	307.9	321.5	333.6	343.4	350.9	388.2	437.0	485.4
-80°	138.0	158.2	185.1	208.9	219.3	224.6	227.1	226.7	255.7	294.3	335.0
-82.5°	77.5	93.4	108.7	123.2	126.9	127.0	125.8	126.2	149.1	175.4	202.3
-85°	24.9	28.6	39.7	50.4	55.6	58.8	60.2	60.0	69.8	81.1	93.3
-87.5°	12.5	14.3	16.2	18.2	18.4	18.4	18.3	18.0	18.8	19.5	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: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-U-VWR-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°	20.9	21.5	22.1	22.6	23.1	23.6	24.0	24.3	24.6	23.3	22.0
85°	106.4	114.0	121.0	127.7	134.0	140.1	145.8	151.1	156.0	142.5	127.5
82.5°	229.8	248.2	265.7	283.2	300.4	304.9	306.2	305.6	303.2	279.5	253.2
80°	375.1	406.3	435.8	465.0	493.8	497.0	493.7	487.8	479.4	448.2	412.9
77.5°	533.6	573.0	607.4	639.0	667.7	673.1	672.3	670.8	668.5	636.7	598.2
75°	696.3	734.7	771.8	803.4	829.7	841.8	847.7	851.9	854.2	831.3	801.4
72.5°	884.8	924.8	957.5	988.1	1014.0	1032.8	1046.2	1056.4	1063.3	1056.4	1044.2
70°	1089.3	1132.2	1168.4	1202.9	1238.1	1266.2	1287.5	1302.9	1312.7	1319.2	1323.7
67.5°	1319.7	1377.3	1427.5	1470.4	1512.9	1552.8	1585.5	1612.3	1632.9	1650.5	1664.0
65°	1579.2	1652.8	1718.0	1778.0	1832.9	1890.7	1938.2	1978.0	2010.0	2036.5	2057.7
62.5°	1852.0	1942.2	2026.0	2107.3	2187.0	2265.5	2325.8	2380.6	2429.4	2471.4	2504.7
60°	2135.5	2238.0	2350.5	2457.9	2556.7	2647.0	2736.6	2814.3	2880.7	2935.9	2980.3
57.5°	2440.2	2573.0	2704.4	2837.8	2963.8	3081.7	3192.1	3289.5	3371.8	3439.3	3496.0
55°	2769.4	2935.5	3088.0	3256.2	3418.7	3566.7	3697.0	3811.5	3910.6	3993.5	4063.9
52.5°	3131.3	3333.1	3531.2	3722.6	3907.2	4078.8	4234.9	4368.2	4486.8	4588.5	4669.6
50°	3527.3	3758.2	3987.9	4200.8	4412.8	4610.7	4789.4	4944.2	5082.2	5201.7	5295.7
47.5°	3941.5	4204.4	4460.8	4704.5	4939.2	5159.0	5352.7	5529.0	5701.1	5841.5	5952.4
45°	4371.6	4666.5	4949.4	5228.0	5486.4	5732.8	5971.7	6191.3	6367.9	6522.6	6652.4
42.5°	4806.9	5135.8	5452.6	5756.6	6040.8	6325.8	6594.4	6834.5	7035.9	7211.8	7359.3
40°	5247.9	5608.0	5957.0	6288.5	6613.3	6924.0	7214.7	7467.9	7695.0	7903.8	8077.8
37.5°	5686.7	6082.8	6469.5	6840.8	7198.5	7535.1	7849.1	8135.2	8391.5	8629.3	8822.5
35°	6127.4	6562.0	6985.3	7393.9	7784.6	8156.1	8499.8	8825.4	9127.5	9368.4	9566.0
32.5°	6566.4	7033.6	7494.3	7944.1	8371.7	8772.2	9144.7	9504.5	9815.2	10080.0	10307.2
30°	6991.2	7497.4	7999.0	8486.8	8948.7	9382.6	9795.1	10175.5	10509.6	10799.2	11054.0
27.5°	7408.0	7951.9	8490.1	9011.2	9510.6	9982.1	10432.2	10844.8	11209.4	11524.2	11792.9
25°	7802.0	8386.6	8960.2	9512.7	10046.2	10566.3	11052.3	11502.5	11892.0	12237.6	12513.6
22.5°	8178.4	8801.8	9404.6	9985.8	10556.4	11117.1	11649.1	12119.3	12532.1	12893.2	13198.8
20°	8529.1	9197.1	9813.8	10428.5	11029.5	11628.2	12199.5	12695.4	13132.3	13516.8	13853.6
17.5°	8856.9	9542.1	10191.5	10845.8	11479.3	12107.4	12687.8	13219.4	13690.7	14099.0	14451.7
15°	9134.4	9826.4	10535.6	11234.2	11902.3	12538.3	13118.1	13673.4	14196.6	14638.2	14995.9
12.5°	9359.1	10078.7	10818.6	11560.3	12266.8	12901.9	13509.0	14072.3	14621.8	15117.9	15446.7
10°	9550.6	10291.6	11055.4	11811.8	12527.8	13199.8	13859.8	14455.4	14995.4	15439.6	15806.8
7.5°	9716.2	10479.5	11255.2	12012.9	12726.4	13420.8	14100.2	14732.8	15277.9	15696.4	16024.0
5°	9838.3	10619.7	11410.5	12175.1	12898.6	13595.2	14277.7	14902.3	15434.5	15860.3	16217.5
2.5°	9925.7	10714.4	11510.8	12276.6	13016.2	13714.4	14414.0	15045.6	15561.0	15951.1	16293.1
0°	9981.7	10771.5	11574.1	12357.6	13083.8	13759.0	14510.7	15103.1	15638.1	16026.7	16383.4
-2.5°	9925.7	10714.4	11510.8	12276.6	13016.2	13714.4	14414.0	15045.6	15561.0	15951.1	16293.1
-5°	9838.3	10619.7	11410.5	12175.1	12898.6	13595.2	14277.7	14902.3	15434.5	15860.3	16217.5
-7.5°	9716.2	10479.5	11255.2	12012.9	12726.4	13420.8	14100.2	14732.8	15277.9	15696.4	16024.0
-10°	9550.6	10291.6	11055.4	11811.8	12527.8	13199.8	13859.8	14455.4	14995.4	15439.6	15806.8
-12.5°	9359.1	10078.7	10818.6	11560.3	12266.8	12901.9	13509.0	14072.3	14621.8	15117.9	15446.7
-15°	9134.4	9826.4	10535.6	11234.2	11902.3	12538.3	13118.1	13673.4	14196.6	14638.2	14995.9
-17.5°	8856.9	9542.1	10191.5	10845.8	11479.3	12107.4	12687.8	13219.4	13690.7	14099.0	14451.7
-20°	8529.1	9197.1	9813.8	10428.5	11029.5	11628.2	12199.5	12695.4	13132.3	13516.8	13853.6



REPORT NUMBER: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8178.4	8801.8	9404.6	9985.8	10556.4	11117.1	11649.1	12119.3	12532.1	12893.2	13198.8
-25°	7802.0	8386.6	8960.2	9512.7	10046.2	10566.3	11052.3	11502.5	11892.0	12237.6	12513.6
-27.5°	7408.0	7951.9	8490.1	9011.2	9510.6	9982.1	10432.2	10844.8	11209.4	11524.2	11792.9
-30°	6991.2	7497.4	7999.0	8486.8	8948.7	9382.6	9795.1	10175.5	10509.6	10799.2	11054.0
-32.5°	6566.4	7033.6	7494.3	7944.1	8371.7	8772.2	9144.7	9504.5	9815.2	10080.0	10307.2
-35°	6127.4	6562.0	6985.3	7393.9	7784.6	8156.1	8499.8	8825.4	9127.5	9368.4	9566.0
-37.5°	5686.7	6082.8	6469.5	6840.8	7198.5	7535.1	7849.1	8135.2	8391.5	8629.3	8822.5
-40°	5247.9	5608.0	5957.0	6288.5	6613.3	6924.0	7214.7	7467.9	7695.0	7903.8	8077.8
-42.5°	4806.9	5135.8	5452.6	5756.6	6040.8	6325.8	6594.4	6834.5	7035.9	7211.8	7359.3
-45°	4371.6	4666.5	4949.4	5228.0	5486.4	5732.8	5971.7	6191.3	6367.9	6522.6	6652.4
-47.5°	3941.5	4204.4	4460.8	4704.5	4939.2	5159.0	5352.7	5529.0	5701.1	5841.5	5952.4
-50°	3527.3	3758.2	3987.9	4200.8	4412.8	4610.7	4789.4	4944.2	5082.2	5201.7	5295.7
-52.5°	3131.3	3333.1	3531.2	3722.6	3907.2	4078.8	4234.9	4368.2	4486.8	4588.5	4669.6
-55°	2769.4	2935.5	3088.0	3256.2	3418.7	3566.7	3697.0	3811.5	3910.6	3993.5	4063.9
-57.5°	2440.2	2573.0	2704.4	2837.8	2963.8	3081.7	3192.1	3289.5	3371.8	3439.3	3496.0
-60°	2135.5	2238.0	2350.5	2457.9	2556.7	2647.0	2736.6	2814.3	2880.7	2935.9	2980.3
-62.5°	1852.0	1942.2	2026.0	2107.3	2187.0	2265.5	2325.8	2380.6	2429.4	2471.4	2504.7
-65°	1579.2	1652.8	1718.0	1778.0	1832.9	1890.7	1938.2	1978.0	2010.0	2036.5	2057.7
-67.5°	1319.7	1377.3	1427.5	1470.4	1512.9	1552.8	1585.5	1612.3	1632.9	1650.5	1664.0
-70°	1089.3	1132.2	1168.4	1202.9	1238.1	1266.2	1287.5	1302.9	1312.7	1319.2	1323.7
-72.5°	884.8	924.8	957.5	988.1	1014.0	1032.8	1046.2	1056.4	1063.3	1056.4	1044.2
-75°	696.3	734.7	771.8	803.4	829.7	841.8	847.7	851.9	854.2	831.3	801.4
-77.5°	533.6	573.0	607.4	639.0	667.7	673.1	672.3	670.8	668.5	636.7	598.2
-80°	375.1	406.3	435.8	465.0	493.8	497.0	493.7	487.8	479.4	448.2	412.9
-82.5°	229.8	248.2	265.7	283.2	300.4	304.9	306.2	305.6	303.2	279.5	253.2
-85°	106.4	114.0	121.0	127.7	134.0	140.1	145.8	151.1	156.0	142.5	127.5
-87.5°	20.9	21.5	22.1	22.6	23.1	23.6	24.0	24.3	24.6	23.3	22.0
-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: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-U-VWR-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°	20.5	19.0	19.1	19.1	19.1	19.0	20.5	22.0	23.3	24.6	24.3
85°	111.6	95.0	89.0	82.8	89.0	95.0	111.6	127.5	142.5	156.0	151.1
82.5°	225.6	196.8	187.7	178.4	187.7	196.8	225.6	253.2	279.5	303.2	305.6
80°	375.6	336.7	321.4	305.8	321.4	336.7	375.6	412.9	448.2	479.4	487.8
77.5°	557.5	514.8	496.5	477.7	496.5	514.8	557.5	598.2	636.7	668.5	670.8
75°	769.9	736.4	716.1	694.3	716.1	736.4	769.9	801.4	831.3	854.2	851.9
72.5°	1030.2	1013.8	999.1	981.0	999.1	1013.8	1030.2	1044.2	1056.4	1063.3	1056.4
70°	1325.2	1323.1	1325.7	1324.9	1325.7	1323.1	1325.2	1323.7	1319.2	1312.7	1302.9
67.5°	1670.9	1671.4	1678.5	1681.7	1678.5	1671.4	1670.9	1664.0	1650.5	1632.9	1612.3
65°	2070.8	2075.7	2073.9	2063.9	2073.9	2075.7	2070.8	2057.7	2036.5	2010.0	1978.0
62.5°	2528.4	2542.2	2549.7	2548.0	2549.7	2542.2	2528.4	2504.7	2471.4	2429.4	2380.6
60°	3013.5	3035.1	3045.9	3044.8	3045.9	3035.1	3013.5	2980.3	2935.9	2880.7	2814.3
57.5°	3538.2	3565.8	3572.3	3560.8	3572.3	3565.8	3538.2	3496.0	3439.3	3371.8	3289.5
55°	4117.0	4152.4	4166.0	4159.6	4166.0	4152.4	4117.0	4063.9	3993.5	3910.6	3811.5
52.5°	4729.0	4767.3	4780.8	4771.1	4780.8	4767.3	4729.0	4669.6	4588.5	4486.8	4368.2
50°	5364.7	5411.0	5429.7	5420.8	5429.7	5411.0	5364.7	5295.7	5201.7	5082.2	4944.2
47.5°	6039.4	6101.0	6125.0	6108.7	6125.0	6101.0	6039.4	5952.4	5841.5	5701.1	5529.0
45°	6749.5	6813.4	6838.2	6822.2	6838.2	6813.4	6749.5	6652.4	6522.6	6367.9	6191.3
42.5°	7472.2	7555.2	7590.3	7561.1	7590.3	7555.2	7472.2	7359.3	7211.8	7035.9	6834.5
40°	8207.6	8297.7	8339.3	8319.1	8339.3	8297.7	8207.6	8077.8	7903.8	7695.0	7467.9
37.5°	8961.9	9051.6	9095.6	9096.2	9095.6	9051.6	8961.9	8822.5	8629.3	8391.5	8135.2
35°	9719.1	9827.7	9889.1	9886.1	9889.1	9827.7	9719.1	9566.0	9368.4	9127.5	8825.4
32.5°	10486.8	10604.3	10667.1	10676.0	10667.1	10604.3	10486.8	10307.2	10080.0	9815.2	9504.5
30°	11253.2	11382.5	11455.2	11485.0	11455.2	11382.5	11253.2	11054.0	10799.2	10509.6	10175.5
27.5°	11996.4	12155.5	12265.3	12274.8	12265.3	12155.5	11996.4	11792.9	11524.2	11209.4	10844.8
25°	12716.3	12878.3	12990.9	13013.7	12990.9	12878.3	12716.3	12513.6	12237.6	11892.0	11502.5
22.5°	13425.8	13595.0	13699.0	13739.9	13699.0	13595.0	13425.8	13198.8	12893.2	12532.1	12119.3
20°	14103.1	14286.5	14396.7	14440.6	14396.7	14286.5	14103.1	13853.6	13516.8	13132.3	12695.4
17.5°	14715.8	14909.7	15045.7	15084.0	15045.7	14909.7	14715.8	14451.7	14099.0	13690.7	13219.4
15°	15255.0	15438.9	15568.0	15619.0	15568.0	15438.9	15255.0	14995.9	14638.2	14196.6	13673.4
12.5°	15693.9	15858.4	15959.6	16007.6	15959.6	15858.4	15693.9	15446.7	15117.9	14621.8	14072.3
10°	16036.8	16201.8	16298.4	16364.3	16298.4	16201.8	16036.8	15806.8	15439.6	14995.4	14455.4
7.5°	16334.4	16503.4	16621.7	16714.7	16621.7	16503.4	16334.4	16024.0	15696.4	15277.9	14732.8
5°	16498.7	16781.0	16823.4	16886.6	16823.4	16781.0	16498.7	16217.5	15860.3	15434.5	14902.3
2.5°	16624.0	16824.2	16944.5	16931.2	16944.5	16824.2	16624.0	16293.1	15951.1	15561.0	15045.6
0°	16714.7	16893.0	16937.6	16994.9	16937.6	16893.0	16714.7	16383.4	16026.7	15638.1	15103.1
-2.5°	16624.0	16824.2	16944.5	16931.2	16944.5	16824.2	16624.0	16293.1	15951.1	15561.0	15045.6
-5°	16498.7	16781.0	16823.4	16886.6	16823.4	16781.0	16498.7	16217.5	15860.3	15434.5	14902.3
-7.5°	16334.4	16503.4	16621.7	16714.7	16621.7	16503.4	16334.4	16024.0	15696.4	15277.9	14732.8
-10°	16036.8	16201.8	16298.4	16364.3	16298.4	16201.8	16036.8	15806.8	15439.6	14995.4	14455.4
-12.5°	15693.9	15858.4	15959.6	16007.6	15959.6	15858.4	15693.9	15446.7	15117.9	14621.8	14072.3
-15°	15255.0	15438.9	15568.0	15619.0	15568.0	15438.9	15255.0	14995.9	14638.2	14196.6	13673.4
-17.5°	14715.8	14909.7	15045.7	15084.0	15045.7	14909.7	14715.8	14451.7	14099.0	13690.7	13219.4
-20°	14103.1	14286.5	14396.7	14440.6	14396.7	14286.5	14103.1	13853.6	13516.8	13132.3	12695.4



REPORT NUMBER: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13425.8	13595.0	13699.0	13739.9	13699.0	13595.0	13425.8	13198.8	12893.2	12532.1	12119.3
-25°	12716.3	12878.3	12990.9	13013.7	12990.9	12878.3	12716.3	12513.6	12237.6	11892.0	11502.5
-27.5°	11996.4	12155.5	12265.3	12274.8	12265.3	12155.5	11996.4	11792.9	11524.2	11209.4	10844.8
-30°	11253.2	11382.5	11455.2	11485.0	11455.2	11382.5	11253.2	11054.0	10799.2	10509.6	10175.5
-32.5°	10486.8	10604.3	10667.1	10676.0	10667.1	10604.3	10486.8	10307.2	10080.0	9815.2	9504.5
-35°	9719.1	9827.7	9889.1	9886.1	9889.1	9827.7	9719.1	9566.0	9368.4	9127.5	8825.4
-37.5°	8961.9	9051.6	9095.6	9096.2	9095.6	9051.6	8961.9	8822.5	8629.3	8391.5	8135.2
-40°	8207.6	8297.7	8339.3	8319.1	8339.3	8297.7	8207.6	8077.8	7903.8	7695.0	7467.9
-42.5°	7472.2	7555.2	7590.3	7561.1	7590.3	7555.2	7472.2	7359.3	7211.8	7035.9	6834.5
-45°	6749.5	6813.4	6838.2	6822.2	6838.2	6813.4	6749.5	6652.4	6522.6	6367.9	6191.3
-47.5°	6039.4	6101.0	6125.0	6108.7	6125.0	6101.0	6039.4	5952.4	5841.5	5701.1	5529.0
-50°	5364.7	5411.0	5429.7	5420.8	5429.7	5411.0	5364.7	5295.7	5201.7	5082.2	4944.2
-52.5°	4729.0	4767.3	4780.8	4771.1	4780.8	4767.3	4729.0	4669.6	4588.5	4486.8	4368.2
-55°	4117.0	4152.4	4166.0	4159.6	4166.0	4152.4	4117.0	4063.9	3993.5	3910.6	3811.5
-57.5°	3538.2	3565.8	3572.3	3560.8	3572.3	3565.8	3538.2	3496.0	3439.3	3371.8	3289.5
-60°	3013.5	3035.1	3045.9	3044.8	3045.9	3035.1	3013.5	2980.3	2935.9	2880.7	2814.3
-62.5°	2528.4	2542.2	2549.7	2548.0	2549.7	2542.2	2528.4	2504.7	2471.4	2429.4	2380.6
-65°	2070.8	2075.7	2073.9	2063.9	2073.9	2075.7	2070.8	2057.7	2036.5	2010.0	1978.0
-67.5°	1670.9	1671.4	1678.5	1681.7	1678.5	1671.4	1670.9	1664.0	1650.5	1632.9	1612.3
-70°	1325.2	1323.1	1325.7	1324.9	1325.7	1323.1	1325.2	1323.7	1319.2	1312.7	1302.9
-72.5°	1030.2	1013.8	999.1	981.0	999.1	1013.8	1030.2	1044.2	1056.4	1063.3	1056.4
-75°	769.9	736.4	716.1	694.3	716.1	736.4	769.9	801.4	831.3	854.2	851.9
-77.5°	557.5	514.8	496.5	477.7	496.5	514.8	557.5	598.2	636.7	668.5	670.8
-80°	375.6	336.7	321.4	305.8	321.4	336.7	375.6	412.9	448.2	479.4	487.8
-82.5°	225.6	196.8	187.7	178.4	187.7	196.8	225.6	253.2	279.5	303.2	305.6
-85°	111.6	95.0	89.0	82.8	89.0	95.0	111.6	127.5	142.5	156.0	151.1
-87.5°	20.5	19.0	19.1	19.1	19.1	19.0	20.5	22.0	23.3	24.6	24.3
-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: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.0	23.6	23.1	22.6	22.1	21.5	20.9	20.2	19.5	18.8	18.0
85°	145.8	140.1	134.0	127.7	121.0	114.0	106.4	93.3	81.1	69.8	60.0
82.5°	306.2	304.9	300.4	283.2	265.7	248.2	229.8	202.3	175.4	149.1	126.2
80°	493.7	497.0	493.8	465.0	435.8	406.3	375.1	335.0	294.3	255.7	226.7
77.5°	672.3	673.1	667.7	639.0	607.4	573.0	533.6	485.4	437.0	388.2	350.9
75°	847.7	841.8	829.7	803.4	771.8	734.7	696.3	653.8	604.3	547.3	498.5
72.5°	1046.2	1032.8	1014.0	988.1	957.5	924.8	884.8	837.9	786.0	729.2	677.6
70°	1287.5	1266.2	1238.1	1202.9	1168.4	1132.2	1089.3	1037.8	977.4	914.6	857.1
67.5°	1585.5	1552.8	1512.9	1470.4	1427.5	1377.3	1319.7	1256.7	1194.3	1124.6	1045.9
65°	1938.2	1890.7	1832.9	1778.0	1718.0	1652.8	1579.2	1506.1	1429.8	1346.1	1246.2
62.5°	2325.8	2265.5	2187.0	2107.3	2026.0	1942.2	1852.0	1762.2	1671.1	1572.4	1460.0
60°	2736.6	2647.0	2556.7	2457.9	2350.5	2238.0	2135.5	2026.4	1911.2	1799.5	1676.2
57.5°	3192.1	3081.7	2963.8	2837.8	2704.4	2573.0	2440.2	2303.0	2172.7	2036.6	1897.0
55°	3697.0	3566.7	3418.7	3256.2	3088.0	2935.5	2769.4	2603.1	2446.1	2280.9	2127.1
52.5°	4234.9	4078.8	3907.2	3722.6	3531.2	3333.1	3131.3	2940.2	2735.8	2548.9	2363.0
50°	4789.4	4610.7	4412.8	4200.8	3987.9	3758.2	3527.3	3297.7	3066.1	2836.8	2614.1
47.5°	5352.7	5159.0	4939.2	4704.5	4460.8	4204.4	3941.5	3665.3	3409.1	3143.2	2890.2
45°	5971.7	5732.8	5486.4	5228.0	4949.4	4666.5	4371.6	4069.2	3760.9	3468.5	3171.9
42.5°	6594.4	6325.8	6040.8	5756.6	5452.6	5135.8	4806.9	4473.6	4134.9	3797.7	3473.5
40°	7214.7	6924.0	6613.3	6288.5	5957.0	5608.0	5247.9	4877.2	4509.4	4138.5	3771.7
37.5°	7849.1	7535.1	7198.5	6840.8	6469.5	6082.8	5686.7	5285.3	4879.7	4480.7	4082.8
35°	8499.8	8156.1	7784.6	7393.9	6985.3	6562.0	6127.4	5687.8	5251.5	4819.9	4388.9
32.5°	9144.7	8772.2	8371.7	7944.1	7494.3	7033.6	6566.4	6091.7	5614.1	5153.2	4694.2
30°	9795.1	9382.6	8948.7	8486.8	7999.0	7497.4	6991.2	6488.3	5979.4	5472.2	4986.6
27.5°	10432.2	9982.1	9510.6	9011.2	8490.1	7951.9	7408.0	6871.3	6328.5	5789.2	5265.6
25°	11052.3	10566.3	10046.2	9512.7	8960.2	8386.6	7802.0	7234.2	6667.3	6090.3	5516.1
22.5°	11649.1	11117.1	10556.4	9985.8	9404.6	8801.8	8178.4	7566.5	6979.9	6360.2	5760.2
20°	12199.5	11628.2	11029.5	10428.5	9813.8	9197.1	8529.1	7878.2	7247.2	6611.0	5981.5
17.5°	12687.8	12107.4	11479.3	10845.8	10191.5	9542.1	8856.9	8161.8	7493.2	6833.8	6176.3
15°	13118.1	12538.3	11902.3	11234.2	10535.6	9826.4	9134.4	8412.5	7717.5	7030.8	6356.3
12.5°	13509.0	12901.9	12266.8	11560.3	10818.6	10078.7	9359.1	8632.1	7916.9	7211.0	6518.3
10°	13859.8	13199.8	12527.8	11811.8	11055.4	10291.6	9550.6	8816.8	8086.5	7365.3	6651.9
7.5°	14100.2	13420.8	12726.4	12012.9	11255.2	10479.5	9716.2	8965.1	8218.9	7488.2	6756.0
5°	14277.7	13595.2	12898.6	12175.1	11410.5	10619.7	9838.3	9072.7	8313.1	7578.1	6830.2
2.5°	14414.0	13714.4	13016.2	12276.6	11510.8	10714.4	9925.7	9153.6	8387.9	7644.0	6895.9
0°	14510.7	13759.0	13083.8	12357.6	11574.1	10771.5	9981.7	9204.5	8433.8	7675.7	6930.5
-2.5°	14414.0	13714.4	13016.2	12276.6	11510.8	10714.4	9925.7	9153.6	8387.9	7644.0	6895.9
-5°	14277.7	13595.2	12898.6	12175.1	11410.5	10619.7	9838.3	9072.7	8313.1	7578.1	6830.2
-7.5°	14100.2	13420.8	12726.4	12012.9	11255.2	10479.5	9716.2	8965.1	8218.9	7488.2	6756.0
-10°	13859.8	13199.8	12527.8	11811.8	11055.4	10291.6	9550.6	8816.8	8086.5	7365.3	6651.9
-12.5°	13509.0	12901.9	12266.8	11560.3	10818.6	10078.7	9359.1	8632.1	7916.9	7211.0	6518.3
-15°	13118.1	12538.3	11902.3	11234.2	10535.6	9826.4	9134.4	8412.5	7717.5	7030.8	6356.3
-17.5°	12687.8	12107.4	11479.3	10845.8	10191.5	9542.1	8856.9	8161.8	7493.2	6833.8	6176.3
-20°	12199.5	11628.2	11029.5	10428.5	9813.8	9197.1	8529.1	7878.2	7247.2	6611.0	5981.5



REPORT NUMBER: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11649.1	11117.1	10556.4	9985.8	9404.6	8801.8	8178.4	7566.5	6979.9	6360.2	5760.2
-25°	11052.3	10566.3	10046.2	9512.7	8960.2	8386.6	7802.0	7234.2	6667.3	6090.3	5516.1
-27.5°	10432.2	9982.1	9510.6	9011.2	8490.1	7951.9	7408.0	6871.3	6328.5	5789.2	5265.6
-30°	9795.1	9382.6	8948.7	8486.8	7999.0	7497.4	6991.2	6488.3	5979.4	5472.2	4986.6
-32.5°	9144.7	8772.2	8371.7	7944.1	7494.3	7033.6	6566.4	6091.7	5614.1	5153.2	4694.2
-35°	8499.8	8156.1	7784.6	7393.9	6985.3	6562.0	6127.4	5687.8	5251.5	4819.9	4388.9
-37.5°	7849.1	7535.1	7198.5	6840.8	6469.5	6082.8	5686.7	5285.3	4879.7	4480.7	4082.8
-40°	7214.7	6924.0	6613.3	6288.5	5957.0	5608.0	5247.9	4877.2	4509.4	4138.5	3771.7
-42.5°	6594.4	6325.8	6040.8	5756.6	5452.6	5135.8	4806.9	4473.6	4134.9	3797.7	3473.5
-45°	5971.7	5732.8	5486.4	5228.0	4949.4	4666.5	4371.6	4069.2	3760.9	3468.5	3171.9
-47.5°	5352.7	5159.0	4939.2	4704.5	4460.8	4204.4	3941.5	3665.3	3409.1	3143.2	2890.2
-50°	4789.4	4610.7	4412.8	4200.8	3987.9	3758.2	3527.3	3297.7	3066.1	2836.8	2614.1
-52.5°	4234.9	4078.8	3907.2	3722.6	3531.2	3333.1	3131.3	2940.2	2735.8	2548.9	2363.0
-55°	3697.0	3566.7	3418.7	3256.2	3088.0	2935.5	2769.4	2603.1	2446.1	2280.9	2127.1
-57.5°	3192.1	3081.7	2963.8	2837.8	2704.4	2573.0	2440.2	2303.0	2172.7	2036.6	1897.0
-60°	2736.6	2647.0	2556.7	2457.9	2350.5	2238.0	2135.5	2026.4	1911.2	1799.5	1676.2
-62.5°	2325.8	2265.5	2187.0	2107.3	2026.0	1942.2	1852.0	1762.2	1671.1	1572.4	1460.0
-65°	1938.2	1890.7	1832.9	1778.0	1718.0	1652.8	1579.2	1506.1	1429.8	1346.1	1246.2
-67.5°	1585.5	1552.8	1512.9	1470.4	1427.5	1377.3	1319.7	1256.7	1194.3	1124.6	1045.9
-70°	1287.5	1266.2	1238.1	1202.9	1168.4	1132.2	1089.3	1037.8	977.4	914.6	857.1
-72.5°	1046.2	1032.8	1014.0	988.1	957.5	924.8	884.8	837.9	786.0	729.2	677.6
-75°	847.7	841.8	829.7	803.4	771.8	734.7	696.3	653.8	604.3	547.3	498.5
-77.5°	672.3	673.1	667.7	639.0	607.4	573.0	533.6	485.4	437.0	388.2	350.9
-80°	493.7	497.0	493.8	465.0	435.8	406.3	375.1	335.0	294.3	255.7	226.7
-82.5°	306.2	304.9	300.4	283.2	265.7	248.2	229.8	202.3	175.4	149.1	126.2
-85°	145.8	140.1	134.0	127.7	121.0	114.0	106.4	93.3	81.1	69.8	60.0
-87.5°	24.0	23.6	23.1	22.6	22.1	21.5	20.9	20.2	19.5	18.8	18.0
-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: P627641 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-735-U-VWR-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°	18.3	18.4	18.4	18.2	16.2	14.3	12.5	10.8	9.8	8.7	7.7
85°	60.2	58.8	55.6	50.4	39.7	28.6	24.9	21.5	19.5	17.4	15.3
82.5°	125.8	127.0	126.9	123.2	108.7	93.4	77.5	60.9	45.2	28.7	22.9
80°	227.1	224.6	219.3	208.9	185.1	158.2	138.0	117.0	96.5	75.1	52.9
77.5°	343.4	333.6	321.5	307.9	282.7	253.0	218.9	180.3	147.6	121.3	93.9
75°	473.3	457.7	440.8	418.2	385.7	348.6	311.1	266.1	216.0	168.8	134.6
72.5°	636.3	598.5	564.7	532.9	497.7	456.2	408.5	350.4	289.6	232.2	178.3
70°	801.3	744.6	694.0	650.7	608.3	564.9	512.4	440.8	361.8	294.2	230.8
67.5°	968.9	901.9	834.1	769.3	715.8	664.7	614.0	530.8	440.2	354.9	282.1
65°	1153.9	1064.4	978.4	898.2	825.7	761.7	702.3	615.0	516.3	420.4	332.0
62.5°	1344.4	1230.3	1128.4	1026.2	935.8	858.1	786.7	690.4	589.1	483.7	384.1
60°	1544.7	1414.8	1279.3	1160.0	1049.2	950.9	864.4	764.7	657.2	544.6	435.8
57.5°	1755.6	1602.8	1450.7	1299.9	1166.8	1048.9	940.0	835.2	724.1	604.7	484.0
55°	1969.3	1804.7	1624.8	1454.8	1291.5	1151.2	1020.0	902.8	788.7	663.8	525.6
52.5°	2183.3	2002.5	1809.4	1612.9	1430.2	1254.6	1108.0	968.6	848.2	721.5	568.9
50°	2407.1	2199.8	1992.9	1780.7	1568.1	1375.7	1193.0	1044.2	905.9	776.4	610.0
47.5°	2640.1	2409.0	2178.7	1946.9	1719.0	1491.7	1292.3	1118.1	961.8	826.0	648.2
45°	2895.4	2625.2	2370.3	2119.6	1861.9	1616.9	1392.7	1188.9	1025.0	864.6	683.4
42.5°	3150.4	2853.4	2568.6	2289.7	2011.4	1741.4	1487.9	1272.2	1085.5	901.6	715.8
40°	3421.8	3082.4	2766.6	2464.0	2157.4	1859.8	1593.4	1353.4	1142.1	940.0	746.5
37.5°	3685.7	3317.1	2970.1	2630.5	2300.5	1987.6	1694.8	1429.6	1195.9	983.2	775.6
35°	3965.0	3552.9	3158.2	2798.0	2447.7	2108.8	1789.7	1506.3	1257.8	1025.2	803.1
32.5°	4234.8	3783.5	3360.2	2963.3	2588.4	2223.0	1887.4	1587.6	1317.3	1066.0	828.7
30°	4500.0	4014.9	3553.7	3119.6	2724.7	2342.9	1985.3	1663.5	1374.2	1105.4	854.4
27.5°	4744.4	4229.3	3739.2	3281.2	2858.5	2456.6	2077.9	1734.0	1428.2	1145.9	884.2
25°	4972.2	4435.5	3922.1	3436.6	2982.8	2564.3	2163.1	1799.2	1483.2	1188.1	911.8
22.5°	5185.8	4627.0	4087.8	3579.8	3097.9	2663.3	2246.1	1868.6	1535.2	1227.0	937.2
20°	5380.1	4799.4	4236.3	3709.6	3209.9	2757.5	2326.0	1930.8	1581.6	1262.3	960.0
17.5°	5555.0	4957.0	4377.9	3831.0	3314.2	2841.2	2397.0	1985.7	1622.4	1293.7	980.1
15°	5717.4	5100.3	4503.1	3936.9	3404.4	2914.1	2458.8	2033.0	1657.4	1321.1	999.2
12.5°	5857.0	5223.1	4609.4	4026.8	3480.5	2975.8	2511.1	2072.6	1686.5	1345.8	1017.2
10°	5971.9	5324.7	4696.1	4100.4	3542.0	3026.1	2553.6	2106.0	1713.7	1367.2	1031.1
7.5°	6061.4	5404.2	4763.0	4157.2	3590.8	3068.1	2589.7	2134.9	1735.7	1383.6	1040.8
5°	6129.2	5466.4	4821.2	4204.7	3635.6	3102.0	2616.0	2155.5	1751.6	1394.9	1046.3
2.5°	6189.4	5512.9	4866.9	4235.5	3666.1	3124.1	2631.8	2168.0	1761.2	1400.9	1047.6
0°	6223.4	5535.5	4892.1	4248.7	3681.8	3134.0	2637.1	2172.1	1764.5	1401.4	1044.7
-2.5°	6189.4	5512.9	4866.9	4235.5	3666.1	3124.1	2631.8	2168.0	1761.2	1400.9	1047.6
-5°	6129.2	5466.4	4821.2	4204.7	3635.6	3102.0	2616.0	2155.5	1751.6	1394.9	1046.3
-7.5°	6061.4	5404.2	4763.0	4157.2	3590.8	3068.1	2589.7	2134.9	1735.7	1383.6	1040.8
-10°	5971.9	5324.7	4696.1	4100.4	3542.0	3026.1	2553.6	2106.0	1713.7	1367.2	1031.1
-12.5°	5857.0	5223.1	4609.4	4026.8	3480.5	2975.8	2511.1	2072.6	1686.5	1345.8	1017.2
-15°	5717.4	5100.3	4503.1	3936.9	3404.4	2914.1	2458.8	2033.0	1657.4	1321.1	999.2
-17.5°	5555.0	4957.0	4377.9	3831.0	3314.2	2841.2	2397.0	1985.7	1622.4	1293.7	980.1
-20°	5380.1	4799.4	4236.3	3709.6	3209.9	2757.5	2326.0	1930.8	1581.6	1262.3	960.0



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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°	5185.8	4627.0	4087.8	3579.8	3097.9	2663.3	2246.1	1868.6	1535.2	1227.0	937.2
-25°	4972.2	4435.5	3922.1	3436.6	2982.8	2564.3	2163.1	1799.2	1483.2	1188.1	911.8
-27.5°	4744.4	4229.3	3739.2	3281.2	2858.5	2456.6	2077.9	1734.0	1428.2	1145.9	884.2
-30°	4500.0	4014.9	3553.7	3119.6	2724.7	2342.9	1985.3	1663.5	1374.2	1105.4	854.4
-32.5°	4234.8	3783.5	3360.2	2963.3	2588.4	2223.0	1887.4	1587.6	1317.3	1066.0	828.7
-35°	3965.0	3552.9	3158.2	2798.0	2447.7	2108.8	1789.7	1506.3	1257.8	1025.2	803.1
-37.5°	3685.7	3317.1	2970.1	2630.5	2300.5	1987.6	1694.8	1429.6	1195.9	983.2	775.6
-40°	3421.8	3082.4	2766.6	2464.0	2157.4	1859.8	1593.4	1353.4	1142.1	940.0	746.5
-42.5°	3150.4	2853.4	2568.6	2289.7	2011.4	1741.4	1487.9	1272.2	1085.5	901.6	715.8
-45°	2895.4	2625.2	2370.3	2119.6	1861.9	1616.9	1392.7	1188.9	1025.0	864.6	683.4
-47.5°	2640.1	2409.0	2178.7	1946.9	1719.0	1491.7	1292.3	1118.1	961.8	826.0	648.2
-50°	2407.1	2199.8	1992.9	1780.7	1568.1	1375.7	1193.0	1044.2	905.9	776.4	610.0
-52.5°	2183.3	2002.5	1809.4	1612.9	1430.2	1254.6	1108.0	968.6	848.2	721.5	568.9
-55°	1969.3	1804.7	1624.8	1454.8	1291.5	1151.2	1020.0	902.8	788.7	663.8	525.6
-57.5°	1755.6	1602.8	1450.7	1299.9	1166.8	1048.9	940.0	835.2	724.1	604.7	484.0
-60°	1544.7	1414.8	1279.3	1160.0	1049.2	950.9	864.4	764.7	657.2	544.6	435.8
-62.5°	1344.4	1230.3	1128.4	1026.2	935.8	858.1	786.7	690.4	589.1	483.7	384.1
-65°	1153.9	1064.4	978.4	898.2	825.7	761.7	702.3	615.0	516.3	420.4	332.0
-67.5°	968.9	901.9	834.1	769.3	715.8	664.7	614.0	530.8	440.2	354.9	282.1
-70°	801.3	744.6	694.0	650.7	608.3	564.9	512.4	440.8	361.8	294.2	230.8
-72.5°	636.3	598.5	564.7	532.9	497.7	456.2	408.5	350.4	289.6	232.2	178.3
-75°	473.3	457.7	440.8	418.2	385.7	348.6	311.1	266.1	216.0	168.8	134.6
-77.5°	343.4	333.6	321.5	307.9	282.7	253.0	218.9	180.3	147.6	121.3	93.9
-80°	227.1	224.6	219.3	208.9	185.1	158.2	138.0	117.0	96.5	75.1	52.9
-82.5°	125.8	127.0	126.9	123.2	108.7	93.4	77.5	60.9	45.2	28.7	22.9
-85°	60.2	58.8	55.6	50.4	39.7	28.6	24.9	21.5	19.5	17.4	15.3
-87.5°	18.3	18.4	18.4	18.2	16.2	14.3	12.5	10.8	9.8	8.7	7.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.6	5.5	4.4	3.3	2.2	1.0	0.0
85°	13.2	11.0	8.8	6.6	4.4	1.9	0.0
82.5°	19.7	16.5	13.2	10.0	6.6	2.9	0.0
80°	29.7	22.0	17.6	13.2	8.8	3.9	0.0
77.5°	64.7	34.4	22.0	16.5	11.0	4.8	0.0
75°	98.8	59.6	28.6	19.7	13.1	5.7	0.0
72.5°	131.9	84.0	45.6	22.9	15.1	6.7	0.0
70°	164.9	107.5	62.0	27.5	17.2	7.6	0.0
67.5°	204.6	130.0	77.8	37.6	19.1	8.4	0.0
65°	242.6	155.3	92.9	47.4	21.0	9.3	0.0
62.5°	278.7	182.9	107.2	56.7	22.9	10.1	0.0
60°	312.6	209.1	120.6	65.5	24.6	10.9	0.0
57.5°	348.4	233.7	138.5	73.8	29.6	11.7	0.0
55°	382.2	256.6	155.6	81.5	34.4	12.5	0.0
52.5°	413.6	278.3	171.4	88.7	39.1	13.2	0.0
50°	442.3	301.3	186.0	95.2	43.5	13.9	0.0
47.5°	469.3	322.3	199.4	102.0	47.8	14.5	0.0
45°	499.2	341.3	211.3	110.8	51.8	15.1	0.0
42.5°	526.7	358.2	222.0	118.8	55.6	15.7	0.0
40°	551.6	373.0	232.6	127.0	59.2	16.2	0.0
37.5°	573.9	385.6	243.2	135.1	62.6	16.7	0.0
35°	593.6	400.1	252.3	142.7	65.7	17.1	0.0
32.5°	611.8	414.7	259.9	149.6	68.6	17.6	0.0
30°	630.7	427.1	266.0	156.0	71.2	17.9	0.0
27.5°	647.7	437.4	275.0	161.8	73.6	18.3	0.0
25°	662.7	445.6	283.6	166.9	75.7	18.5	0.0
22.5°	675.5	453.8	291.1	171.5	77.6	18.8	0.0
20°	686.1	465.1	297.6	175.4	79.2	19.0	0.0
17.5°	699.3	474.3	303.0	178.7	80.5	19.1	0.0
15°	713.1	481.5	307.4	181.4	81.6	19.2	0.0
12.5°	724.2	486.6	310.8	183.5	82.5	19.3	0.0
10°	732.8	489.8	313.1	185.0	83.0	19.4	0.0
7.5°	738.6	491.1	314.4	185.8	83.4	19.4	0.0
5°	741.6	490.6	314.6	186.0	83.4	19.3	0.0
2.5°	741.7	488.2	313.9	185.7	83.2	19.2	0.0
0°	738.9	484.1	312.1	184.7	82.8	19.1	0.0
-2.5°	741.7	488.2	313.9	185.7	83.2	19.2	0.0
-5°	741.6	490.6	314.6	186.0	83.4	19.3	0.0
-7.5°	738.6	491.1	314.4	185.8	83.4	19.4	0.0
-10°	732.8	489.8	313.1	185.0	83.0	19.4	0.0
-12.5°	724.2	486.6	310.8	183.5	82.5	19.3	0.0
-15°	713.1	481.5	307.4	181.4	81.6	19.2	0.0
-17.5°	699.3	474.3	303.0	178.7	80.5	19.1	0.0
-20°	686.1	465.1	297.6	175.4	79.2	19.0	0.0

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CATALOG NUMBER: GFLD-SA5C-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	675.5	453.8	291.1	171.5	77.6	18.8	0.0
-25°	662.7	445.6	283.6	166.9	75.7	18.5	0.0
-27.5°	647.7	437.4	275.0	161.8	73.6	18.3	0.0
-30°	630.7	427.1	266.0	156.0	71.2	17.9	0.0
-32.5°	611.8	414.7	259.9	149.6	68.6	17.6	0.0
-35°	593.6	400.1	252.3	142.7	65.7	17.1	0.0
-37.5°	573.9	385.6	243.2	135.1	62.6	16.7	0.0
-40°	551.6	373.0	232.6	127.0	59.2	16.2	0.0
-42.5°	526.7	358.2	222.0	118.8	55.6	15.7	0.0
-45°	499.2	341.3	211.3	110.8	51.8	15.1	0.0
-47.5°	469.3	322.3	199.4	102.0	47.8	14.5	0.0
-50°	442.3	301.3	186.0	95.2	43.5	13.9	0.0
-52.5°	413.6	278.3	171.4	88.7	39.1	13.2	0.0
-55°	382.2	256.6	155.6	81.5	34.4	12.5	0.0
-57.5°	348.4	233.7	138.5	73.8	29.6	11.7	0.0
-60°	312.6	209.1	120.6	65.5	24.6	10.9	0.0
-62.5°	278.7	182.9	107.2	56.7	22.9	10.1	0.0
-65°	242.6	155.3	92.9	47.4	21.0	9.3	0.0
-67.5°	204.6	130.0	77.8	37.6	19.1	8.4	0.0
-70°	164.9	107.5	62.0	27.5	17.2	7.6	0.0
-72.5°	131.9	84.0	45.6	22.9	15.1	6.7	0.0
-75°	98.8	59.6	28.6	19.7	13.1	5.7	0.0
-77.5°	64.7	34.4	22.0	16.5	11.0	4.8	0.0
-80°	29.7	22.0	17.6	13.2	8.8	3.9	0.0
-82.5°	19.7	16.5	13.2	10.0	6.6	2.9	0.0
-85°	13.2	11.0	8.8	6.6	4.4	1.9	0.0
-87.5°	6.6	5.5	4.4	3.3	2.2	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)