

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: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6B-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627811 (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-SA6B-730-U-VWR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N141
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

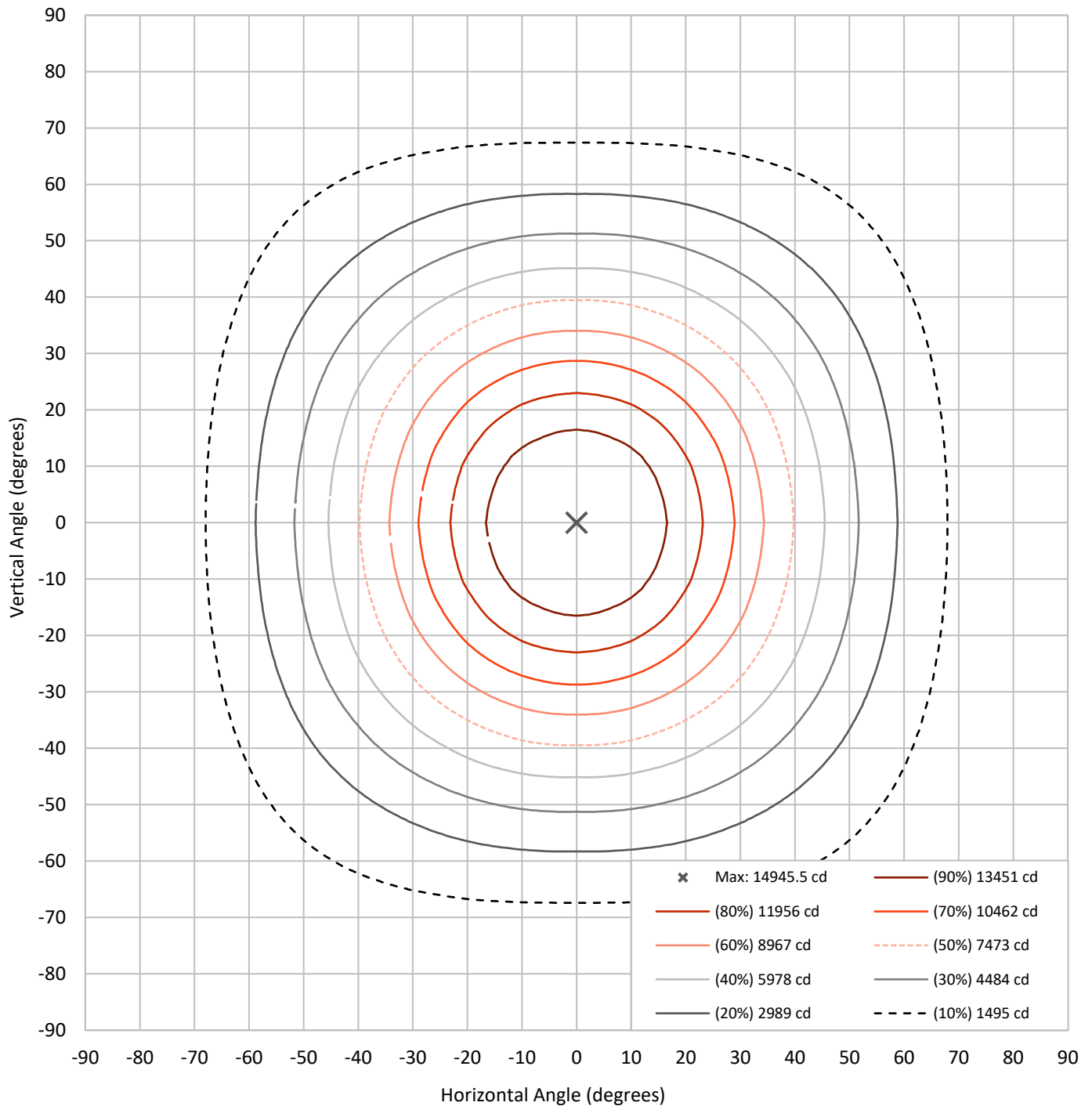
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	27012.6 lumens	Max Intensity:	14945.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.7 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:	15843.1 lumens	Field Lumens:	25751.9 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	190.6		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





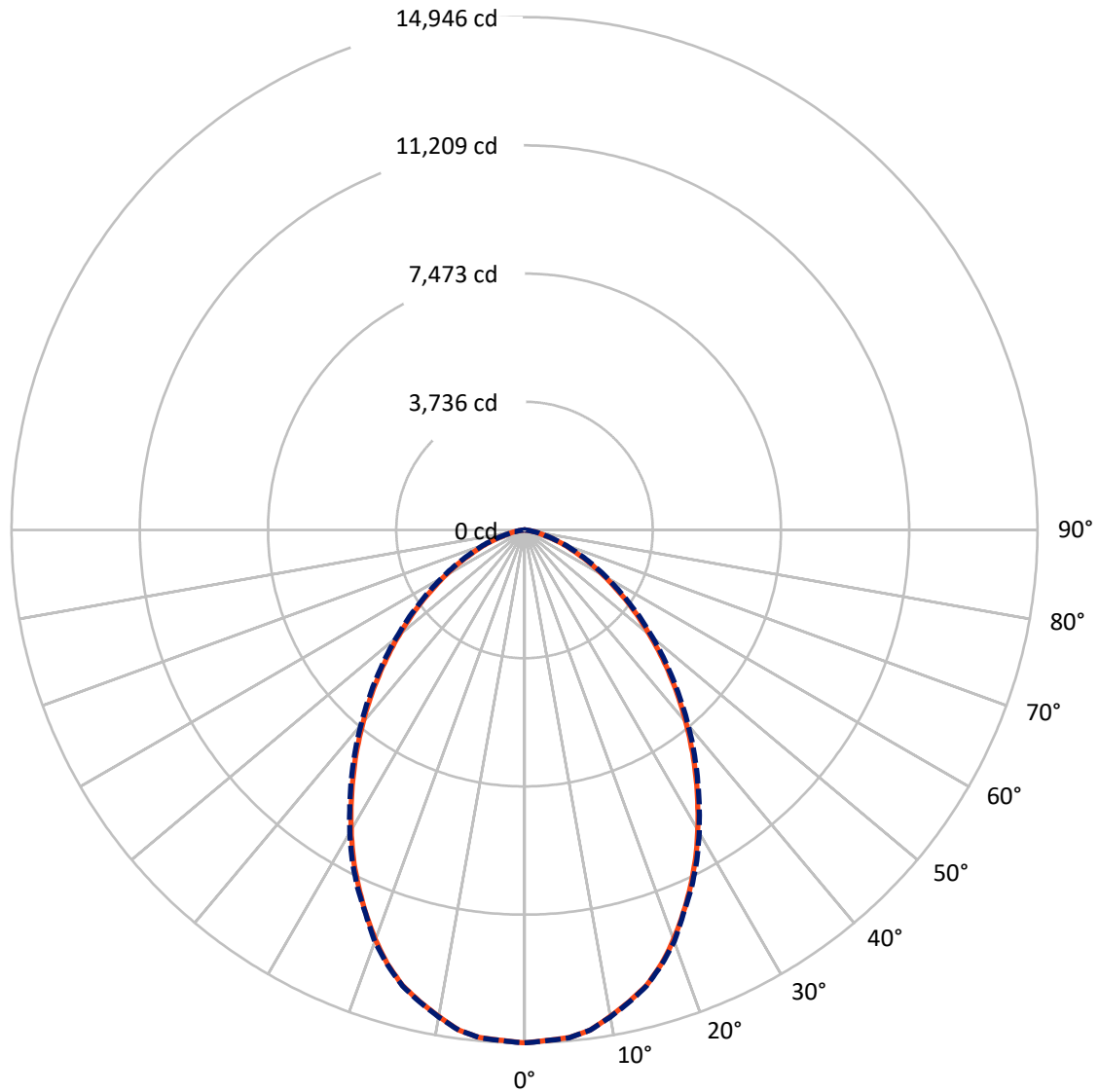
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Lumen Table

90																			
80	0.9	11.1	30.1	51.2	48.2	51.2	30.1	11.1	0.9										
70																			
60	5.0	6.9	14.0	23.8	34.9	45.0	52.7	56.3	56.3	52.7	45.0	34.9	23.8	14.0	6.9	5.0			
50																			
40	8.8	10.4	22.7	40.5	61.4	83.4	101.5	110.9	110.9	101.5	83.4	61.4	40.5	22.7	10.4	8.8			
30																			
20	11.3	14.0	32.8	60.6	96.1	133.2	164.3	181.3	181.3	164.3	133.2	96.1	60.6	32.8	14.0	11.3			
10																			
0	12.3	17.7	43.5	83.5	134.5	188.6	234.8	261.0	261.0	234.8	188.6	134.5	83.5	43.5	17.7	12.3			
-10																			
-20	11.3	21.1	53.5	105.0	171.2	243.1	305.8	341.7	341.7	305.8	243.1	171.2	105.0	53.5	21.1	11.3			
-30																			
-40	8.8	23.8	61.3	121.0	199.9	287.3	364.4	408.2	408.2	364.4	287.3	199.9	121.0	61.3	23.8	8.8			
-50																			
-60	5.0	25.3	65.6	130.2	215.9	311.8	396.1	442.1	442.1	396.1	311.8	215.9	130.2	65.6	25.3	5.0			
-70																			
-80	0.9	25.3	65.6	130.2	215.9	311.8	396.1	442.1	442.1	396.1	311.8	215.9	130.2	65.6	25.3	0.9			
-90																			

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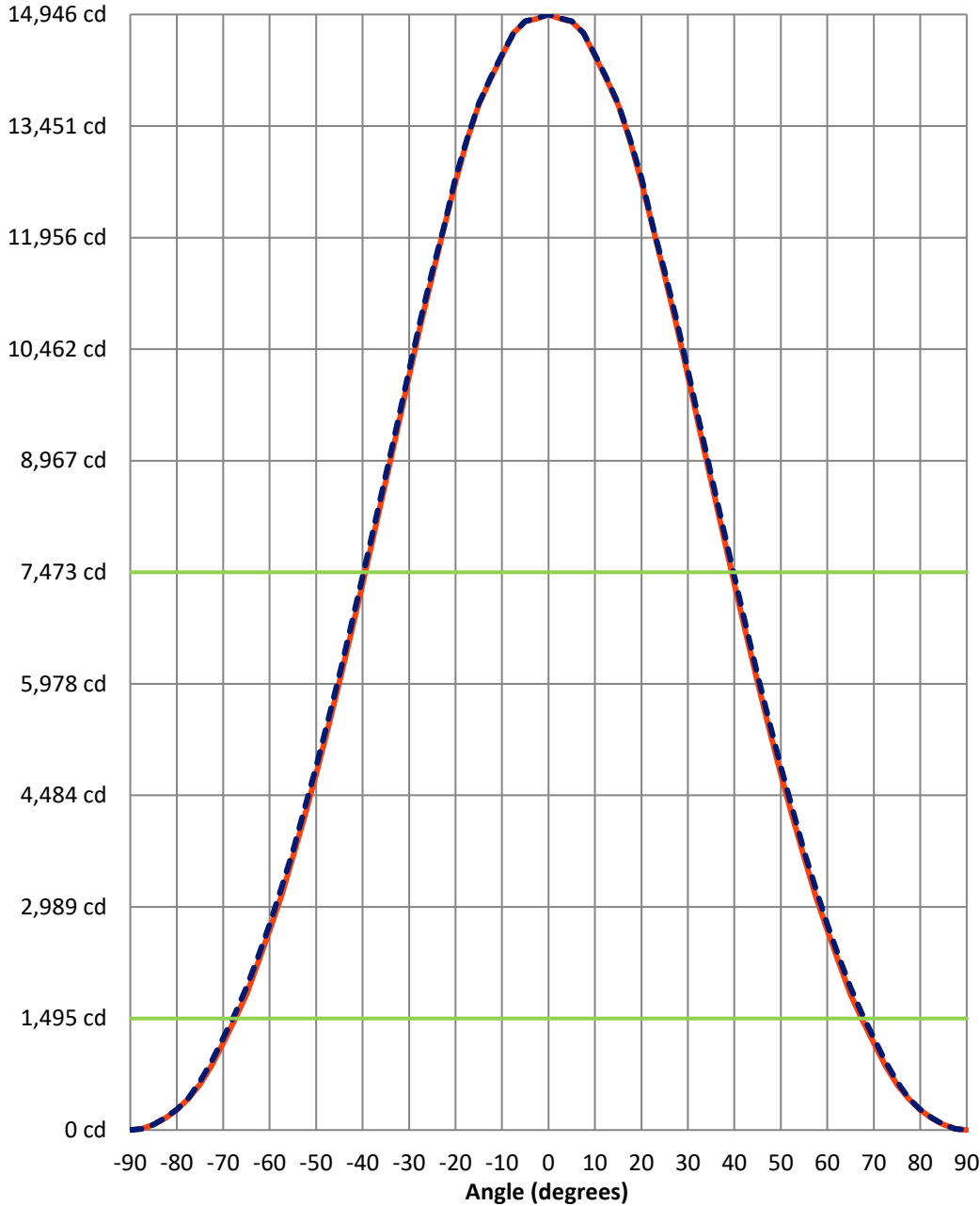
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 15843.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 25751.9
 Efficiency: 95.3%

Spill:
 Lumens: 1260.7
 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	0.9	2.0	2.9	3.9	4.8	5.8	6.7	7.7	8.6	9.5
85°	0.0	1.7	3.9	5.8	7.8	9.7	11.6	13.5	15.3	17.1	18.9
82.5°	0.0	2.6	5.8	8.7	11.6	14.5	17.3	20.2	25.2	39.7	53.6
80°	0.0	3.4	7.7	11.6	15.5	19.3	26.1	46.5	66.0	84.9	102.9
77.5°	0.0	4.2	9.6	14.5	19.3	30.2	56.9	82.5	106.6	129.8	158.5
75°	0.0	5.0	11.5	17.3	25.1	52.3	86.9	118.3	148.5	189.9	234.0
72.5°	0.0	5.9	13.3	20.2	40.1	73.8	116.0	156.8	204.2	254.7	308.1
70°	0.0	6.6	15.1	24.1	54.5	94.5	145.0	203.0	258.7	318.2	387.7
67.5°	0.0	7.4	16.8	33.1	68.4	114.3	179.9	248.1	312.1	387.1	466.8
65°	0.0	8.2	18.5	41.7	81.7	136.5	213.3	291.9	369.7	454.1	540.9
62.5°	0.0	8.9	20.1	49.8	94.2	160.9	245.0	337.7	425.3	518.1	607.2
60°	0.0	9.6	21.6	57.6	106.0	183.9	274.9	383.2	478.9	577.9	672.5
57.5°	0.0	10.3	26.0	64.9	121.8	205.5	306.4	425.6	531.8	636.8	734.5
55°	0.0	10.9	30.2	71.7	136.8	225.6	336.2	462.2	583.7	693.6	793.9
52.5°	0.0	11.6	34.3	78.0	150.8	244.7	363.7	500.2	634.5	745.9	851.9
50°	0.0	12.2	38.3	83.7	163.6	265.0	389.0	536.4	682.7	796.7	918.2
47.5°	0.0	12.7	42.0	89.7	175.4	283.5	412.7	570.0	726.4	845.8	983.3
45°	0.0	13.3	45.5	97.5	185.9	300.2	439.0	601.0	760.4	901.4	1045.5
42.5°	0.0	13.8	48.9	104.5	195.3	315.0	463.2	629.5	792.9	954.6	1118.8
40°	0.0	14.2	52.1	111.7	204.6	328.0	485.1	656.5	826.7	1004.4	1190.2
37.5°	0.0	14.7	55.0	118.9	213.9	339.1	504.7	682.1	864.6	1051.7	1257.2
35°	0.0	15.1	57.8	125.5	221.9	351.9	522.0	706.2	901.6	1106.1	1324.6
32.5°	0.0	15.4	60.3	131.6	228.6	364.7	538.0	728.7	937.4	1158.5	1396.1
30°	0.0	15.8	62.6	137.2	233.9	375.6	554.6	751.3	972.1	1208.5	1462.9
27.5°	0.0	16.0	64.7	142.3	241.9	384.7	569.6	777.5	1007.7	1256.0	1524.9
25°	0.0	16.3	66.6	146.9	249.4	391.8	582.7	801.9	1044.8	1304.3	1582.2
22.5°	0.0	16.5	68.2	150.9	256.1	399.1	594.0	824.2	1079.1	1350.0	1643.3
20°	0.0	16.7	69.6	154.3	261.7	409.0	603.3	844.2	1110.1	1390.9	1698.0
17.5°	0.0	16.8	70.8	157.2	266.5	417.1	614.9	861.9	1137.7	1426.8	1746.3
15°	0.0	16.9	71.8	159.6	270.4	423.4	627.0	878.7	1161.8	1457.5	1787.9
12.5°	0.0	17.0	72.5	161.4	273.3	427.9	636.9	894.6	1183.5	1483.1	1822.7
10°	0.0	17.0	73.0	162.7	275.4	430.7	644.4	906.8	1202.3	1507.0	1852.1
7.5°	0.0	17.0	73.3	163.5	276.5	431.9	649.5	915.3	1216.8	1526.3	1877.5
5°	0.0	17.0	73.3	163.7	276.7	431.4	652.1	920.1	1226.7	1540.3	1895.6
2.5°	0.0	16.9	73.2	163.3	276.0	429.3	652.2	921.3	1232.0	1548.8	1906.6
0°	0.0	16.8	72.8	162.5	274.5	425.7	649.8	918.7	1232.4	1551.7	1910.2
-2.5°	0.0	16.9	73.2	163.3	276.0	429.3	652.2	921.3	1232.0	1548.8	1906.6
-5°	0.0	17.0	73.3	163.7	276.7	431.4	652.1	920.1	1226.7	1540.3	1895.6
-7.5°	0.0	17.0	73.3	163.5	276.5	431.9	649.5	915.3	1216.8	1526.3	1877.5
-10°	0.0	17.0	73.0	162.7	275.4	430.7	644.4	906.8	1202.3	1507.0	1852.1
-12.5°	0.0	17.0	72.5	161.4	273.3	427.9	636.9	894.6	1183.5	1483.1	1822.7
-15°	0.0	16.9	71.8	159.6	270.4	423.4	627.0	878.7	1161.8	1457.5	1787.9
-17.5°	0.0	16.8	70.8	157.2	266.5	417.1	614.9	861.9	1137.7	1426.8	1746.3
-20°	0.0	16.7	69.6	154.3	261.7	409.0	603.3	844.2	1110.1	1390.9	1698.0

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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	16.5	68.2	150.9	256.1	399.1	594.0	824.2	1079.1	1350.0	1643.3
-25°	0.0	16.3	66.6	146.9	249.4	391.8	582.7	801.9	1044.8	1304.3	1582.2
-27.5°	0.0	16.0	64.7	142.3	241.9	384.7	569.6	777.5	1007.7	1256.0	1524.9
-30°	0.0	15.8	62.6	137.2	233.9	375.6	554.6	751.3	972.1	1208.5	1462.9
-32.5°	0.0	15.4	60.3	131.6	228.6	364.7	538.0	728.7	937.4	1158.5	1396.1
-35°	0.0	15.1	57.8	125.5	221.9	351.9	522.0	706.2	901.6	1106.1	1324.6
-37.5°	0.0	14.7	55.0	118.9	213.9	339.1	504.7	682.1	864.6	1051.7	1257.2
-40°	0.0	14.2	52.1	111.7	204.6	328.0	485.1	656.5	826.7	1004.4	1190.2
-42.5°	0.0	13.8	48.9	104.5	195.3	315.0	463.2	629.5	792.9	954.6	1118.8
-45°	0.0	13.3	45.5	97.5	185.9	300.2	439.0	601.0	760.4	901.4	1045.5
-47.5°	0.0	12.7	42.0	89.7	175.4	283.5	412.7	570.0	726.4	845.8	983.3
-50°	0.0	12.2	38.3	83.7	163.6	265.0	389.0	536.4	682.7	796.7	918.2
-52.5°	0.0	11.6	34.3	78.0	150.8	244.7	363.7	500.2	634.5	745.9	851.9
-55°	0.0	10.9	30.2	71.7	136.8	225.6	336.2	462.2	583.7	693.6	793.9
-57.5°	0.0	10.3	26.0	64.9	121.8	205.5	306.4	425.6	531.8	636.8	734.5
-60°	0.0	9.6	21.6	57.6	106.0	183.9	274.9	383.2	478.9	577.9	672.5
-62.5°	0.0	8.9	20.1	49.8	94.2	160.9	245.0	337.7	425.3	518.1	607.2
-65°	0.0	8.2	18.5	41.7	81.7	136.5	213.3	291.9	369.7	454.1	540.9
-67.5°	0.0	7.4	16.8	33.1	68.4	114.3	179.9	248.1	312.1	387.1	466.8
-70°	0.0	6.6	15.1	24.1	54.5	94.5	145.0	203.0	258.7	318.2	387.7
-72.5°	0.0	5.9	13.3	20.2	40.1	73.8	116.0	156.8	204.2	254.7	308.1
-75°	0.0	5.0	11.5	17.3	25.1	52.3	86.9	118.3	148.5	189.9	234.0
-77.5°	0.0	4.2	9.6	14.5	19.3	30.2	56.9	82.5	106.6	129.8	158.5
-80°	0.0	3.4	7.7	11.6	15.5	19.3	26.1	46.5	66.0	84.9	102.9
-82.5°	0.0	2.6	5.8	8.7	11.6	14.5	17.3	20.2	25.2	39.7	53.6
-85°	0.0	1.7	3.9	5.8	7.8	9.7	11.6	13.5	15.3	17.1	18.9
-87.5°	0.0	0.9	2.0	2.9	3.9	4.8	5.8	6.7	7.7	8.6	9.5
-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):

	-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°	11.0	12.6	14.3	16.0	16.2	16.2	16.1	15.8	16.5	17.2	17.8
85°	21.9	25.1	34.9	44.3	48.9	51.7	52.9	52.7	61.3	71.3	82.0
82.5°	68.1	82.2	95.6	108.3	111.6	111.7	110.6	111.0	131.1	154.2	177.9
80°	121.3	139.1	162.8	183.7	192.9	197.6	199.7	199.4	224.9	258.9	294.6
77.5°	192.5	222.5	248.6	270.8	282.8	293.4	302.0	308.6	341.3	384.3	426.8
75°	273.6	306.6	339.2	367.7	387.7	402.5	416.2	438.4	481.3	531.4	575.0
72.5°	359.2	401.2	437.7	468.6	496.5	526.3	559.5	595.9	641.2	691.3	736.9
70°	450.6	496.8	534.9	572.2	610.3	654.8	704.7	753.8	804.3	859.5	912.6
67.5°	540.0	584.5	629.5	676.5	733.6	793.1	852.1	919.8	989.0	1050.3	1105.1
65°	617.6	669.9	726.1	789.9	860.4	936.1	1014.7	1095.9	1183.7	1257.3	1324.4
62.5°	691.8	754.6	823.0	902.5	992.3	1081.9	1182.3	1283.9	1382.7	1469.5	1549.7
60°	760.1	836.2	922.7	1020.1	1125.0	1244.1	1358.4	1474.0	1582.4	1680.7	1782.0
57.5°	826.7	922.4	1026.0	1143.1	1275.7	1409.5	1543.9	1668.2	1790.9	1910.6	2025.3
55°	897.0	1012.4	1135.7	1279.3	1428.8	1587.1	1731.8	1870.5	2005.8	2151.0	2289.1
52.5°	974.4	1103.3	1257.7	1418.4	1591.1	1761.0	1920.0	2078.0	2241.5	2405.9	2585.6
50°	1049.1	1209.8	1379.0	1565.9	1752.5	1934.5	2116.8	2298.8	2494.7	2696.3	2900.0
47.5°	1136.4	1311.8	1511.7	1712.1	1916.0	2118.5	2321.6	2541.6	2764.2	2998.0	3223.3
45°	1224.8	1421.9	1637.3	1863.9	2084.4	2308.6	2546.2	2789.4	3050.3	3307.4	3578.5
42.5°	1308.5	1531.4	1768.8	2013.5	2258.8	2509.3	2770.6	3054.6	3339.7	3636.3	3934.1
40°	1401.2	1635.5	1897.2	2166.8	2432.9	2710.7	3009.2	3316.9	3639.5	3965.6	4289.0
37.5°	1490.4	1747.9	2023.0	2313.2	2611.9	2917.1	3241.2	3590.5	3940.3	4291.2	4647.9
35°	1573.9	1854.5	2152.5	2460.6	2777.4	3124.4	3486.8	3859.7	4238.7	4618.2	5001.9
32.5°	1659.8	1955.0	2276.2	2606.0	2955.0	3327.2	3724.2	4128.1	4531.8	4937.1	5357.1
30°	1745.9	2060.4	2396.0	2743.4	3125.2	3530.7	3957.4	4385.3	4812.3	5258.3	5705.9
27.5°	1827.3	2160.4	2513.8	2885.5	3288.3	3719.2	4172.3	4630.7	5091.1	5565.3	6042.7
25°	1902.3	2255.1	2623.1	3022.2	3449.1	3900.6	4372.6	4850.9	5355.8	5863.3	6361.8
22.5°	1975.3	2342.1	2724.3	3148.1	3594.9	4069.0	4560.5	5065.6	5593.2	6138.1	6654.0
20°	2045.6	2425.0	2822.8	3262.3	3725.4	4220.6	4731.3	5260.2	5813.7	6373.2	6928.1
17.5°	2108.0	2498.6	2914.5	3369.0	3850.0	4359.2	4885.1	5431.4	6009.7	6589.6	7177.6
15°	2162.3	2562.7	2993.9	3462.1	3960.1	4485.2	5027.9	5589.8	6182.9	6786.8	7398.0
12.5°	2208.3	2617.0	3060.8	3541.3	4053.5	4593.2	5150.7	5732.3	6341.4	6962.2	7591.1
10°	2245.6	2661.2	3114.9	3606.0	4129.8	4682.6	5251.7	5849.7	6477.1	7111.4	7753.5
7.5°	2277.4	2698.1	3157.8	3655.9	4188.6	4752.5	5330.4	5941.3	6585.2	7227.7	7884.0
5°	2300.5	2728.0	3197.2	3697.7	4239.7	4807.1	5390.1	6006.6	6664.2	7310.6	7978.6
2.5°	2314.5	2747.4	3224.0	3724.8	4279.9	4848.1	5443.0	6064.3	6722.2	7376.3	8049.7
0°	2319.1	2756.1	3237.8	3736.4	4302.1	4867.9	5472.9	6094.7	6750.1	7416.7	8094.5
-2.5°	2314.5	2747.4	3224.0	3724.8	4279.9	4848.1	5443.0	6064.3	6722.2	7376.3	8049.7
-5°	2300.5	2728.0	3197.2	3697.7	4239.7	4807.1	5390.1	6006.6	6664.2	7310.6	7978.6
-7.5°	2277.4	2698.1	3157.8	3655.9	4188.6	4752.5	5330.4	5941.3	6585.2	7227.7	7884.0
-10°	2245.6	2661.2	3114.9	3606.0	4129.8	4682.6	5251.7	5849.7	6477.1	7111.4	7753.5
-12.5°	2208.3	2617.0	3060.8	3541.3	4053.5	4593.2	5150.7	5732.3	6341.4	6962.2	7591.1
-15°	2162.3	2562.7	2993.9	3462.1	3960.1	4485.2	5027.9	5589.8	6182.9	6786.8	7398.0
-17.5°	2108.0	2498.6	2914.5	3369.0	3850.0	4359.2	4885.1	5431.4	6009.7	6589.6	7177.6
-20°	2045.6	2425.0	2822.8	3262.3	3725.4	4220.6	4731.3	5260.2	5813.7	6373.2	6928.1



REPORT NUMBER: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6B-730-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°	1975.3	2342.1	2724.3	3148.1	3594.9	4069.0	4560.5	5065.6	5593.2	6138.1	6654.0
-25°	1902.3	2255.1	2623.1	3022.2	3449.1	3900.6	4372.6	4850.9	5355.8	5863.3	6361.8
-27.5°	1827.3	2160.4	2513.8	2885.5	3288.3	3719.2	4172.3	4630.7	5091.1	5565.3	6042.7
-30°	1745.9	2060.4	2396.0	2743.4	3125.2	3530.7	3957.4	4385.3	4812.3	5258.3	5705.9
-32.5°	1659.8	1955.0	2276.2	2606.0	2955.0	3327.2	3724.2	4128.1	4531.8	4937.1	5357.1
-35°	1573.9	1854.5	2152.5	2460.6	2777.4	3124.4	3486.8	3859.7	4238.7	4618.2	5001.9
-37.5°	1490.4	1747.9	2023.0	2313.2	2611.9	2917.1	3241.2	3590.5	3940.3	4291.2	4647.9
-40°	1401.2	1635.5	1897.2	2166.8	2432.9	2710.7	3009.2	3316.9	3639.5	3965.6	4289.0
-42.5°	1308.5	1531.4	1768.8	2013.5	2258.8	2509.3	2770.6	3054.6	3339.7	3636.3	3934.1
-45°	1224.8	1421.9	1637.3	1863.9	2084.4	2308.6	2546.2	2789.4	3050.3	3307.4	3578.5
-47.5°	1136.4	1311.8	1511.7	1712.1	1916.0	2118.5	2321.6	2541.6	2764.2	2998.0	3223.3
-50°	1049.1	1209.8	1379.0	1565.9	1752.5	1934.5	2116.8	2298.8	2494.7	2696.3	2900.0
-52.5°	974.4	1103.3	1257.7	1418.4	1591.1	1761.0	1920.0	2078.0	2241.5	2405.9	2585.6
-55°	897.0	1012.4	1135.7	1279.3	1428.8	1587.1	1731.8	1870.5	2005.8	2151.0	2289.1
-57.5°	826.7	922.4	1026.0	1143.1	1275.7	1409.5	1543.9	1668.2	1790.9	1910.6	2025.3
-60°	760.1	836.2	922.7	1020.1	1125.0	1244.1	1358.4	1474.0	1582.4	1680.7	1782.0
-62.5°	691.8	754.6	823.0	902.5	992.3	1081.9	1182.3	1283.9	1382.7	1469.5	1549.7
-65°	617.6	669.9	726.1	789.9	860.4	936.1	1014.7	1095.9	1183.7	1257.3	1324.4
-67.5°	540.0	584.5	629.5	676.5	733.6	793.1	852.1	919.8	989.0	1050.3	1105.1
-70°	450.6	496.8	534.9	572.2	610.3	654.8	704.7	753.8	804.3	859.5	912.6
-72.5°	359.2	401.2	437.7	468.6	496.5	526.3	559.5	595.9	641.2	691.3	736.9
-75°	273.6	306.6	339.2	367.7	387.7	402.5	416.2	438.4	481.3	531.4	575.0
-77.5°	192.5	222.5	248.6	270.8	282.8	293.4	302.0	308.6	341.3	384.3	426.8
-80°	121.3	139.1	162.8	183.7	192.9	197.6	199.7	199.4	224.9	258.9	294.6
-82.5°	68.1	82.2	95.6	108.3	111.6	111.7	110.6	111.0	131.1	154.2	177.9
-85°	21.9	25.1	34.9	44.3	48.9	51.7	52.9	52.7	61.3	71.3	82.0
-87.5°	11.0	12.6	14.3	16.0	16.2	16.2	16.1	15.8	16.5	17.2	17.8
-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: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6B-730-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°	18.3	18.9	19.4	19.9	20.3	20.7	21.0	21.4	21.6	20.5	19.3
85°	93.6	100.2	106.3	112.2	117.9	123.2	128.2	132.9	137.2	125.3	112.1
82.5°	202.1	218.3	233.7	249.0	264.2	268.1	269.3	268.8	266.6	245.8	222.6
80°	329.9	357.3	383.2	408.9	434.2	437.1	434.2	428.9	421.5	394.1	363.1
77.5°	469.3	503.9	534.2	561.9	587.1	591.9	591.2	589.9	587.8	559.9	526.0
75°	612.3	646.1	678.7	706.5	729.6	740.3	745.5	749.1	751.1	731.0	704.8
72.5°	778.1	813.3	842.1	869.0	891.8	908.2	920.1	929.0	935.1	929.0	918.3
70°	958.0	995.7	1027.4	1057.8	1088.7	1113.5	1132.2	1145.8	1154.4	1160.1	1164.1
67.5°	1160.5	1211.1	1255.4	1293.1	1330.5	1365.5	1394.3	1417.8	1436.0	1451.4	1463.3
65°	1388.7	1453.5	1510.9	1563.6	1611.9	1662.7	1704.4	1739.5	1767.6	1790.9	1809.6
62.5°	1628.6	1708.0	1781.7	1853.2	1923.3	1992.3	2045.3	2093.5	2136.4	2173.3	2202.7
60°	1877.9	1968.1	2067.0	2161.4	2248.4	2327.7	2406.6	2474.9	2533.4	2581.8	2620.9
57.5°	2145.9	2262.7	2378.3	2495.6	2606.4	2710.2	2807.2	2892.9	2965.2	3024.6	3074.4
55°	2435.4	2581.5	2715.6	2863.6	3006.5	3136.6	3251.2	3351.9	3439.0	3511.9	3573.9
52.5°	2753.7	2931.2	3105.4	3273.7	3436.0	3587.0	3724.2	3841.4	3945.7	4035.1	4106.5
50°	3102.0	3305.0	3507.0	3694.2	3880.7	4054.6	4211.8	4347.9	4469.3	4574.4	4657.1
47.5°	3466.2	3697.4	3922.9	4137.2	4343.5	4536.9	4707.2	4862.3	5013.6	5137.0	5234.6
45°	3844.4	4103.7	4352.5	4597.5	4824.8	5041.5	5251.6	5444.7	5600.0	5736.0	5850.2
42.5°	4227.2	4516.5	4795.0	5062.4	5312.3	5562.9	5799.2	6010.3	6187.4	6342.1	6471.8
40°	4615.0	4931.7	5238.6	5530.1	5815.8	6089.0	6344.6	6567.3	6767.0	6950.6	7103.6
37.5°	5000.9	5349.3	5689.3	6015.8	6330.4	6626.4	6902.6	7154.2	7379.6	7588.7	7758.6
35°	5388.5	5770.7	6142.9	6502.2	6845.8	7172.5	7474.8	7761.1	8026.8	8238.6	8412.4
32.5°	5774.5	6185.4	6590.5	6986.1	7362.2	7714.4	8041.9	8358.3	8631.5	8864.4	9064.2
30°	6148.1	6593.2	7034.4	7463.3	7869.5	8251.1	8613.8	8948.4	9242.3	9497.0	9721.1
27.5°	6514.7	6992.9	7466.2	7924.5	8363.6	8778.3	9174.2	9537.0	9857.7	10134.5	10370.8
25°	6861.1	7375.2	7879.7	8365.5	8834.6	9292.1	9719.6	10115.4	10458.0	10761.8	11004.6
22.5°	7192.2	7740.3	8270.4	8781.5	9283.4	9776.5	10244.4	10657.8	11020.8	11338.4	11607.1
20°	7500.5	8087.9	8630.3	9170.9	9699.5	10226.0	10728.3	11164.5	11548.6	11886.8	12183.0
17.5°	7788.8	8391.3	8962.4	9538.0	10095.1	10647.3	11157.7	11625.3	12039.7	12398.8	12709.0
15°	8032.9	8641.3	9265.1	9879.5	10467.0	11026.3	11536.2	12024.5	12484.6	12873.0	13187.6
12.5°	8230.4	8863.3	9514.0	10166.2	10787.5	11346.0	11879.9	12375.3	12858.6	13294.8	13584.0
10°	8398.9	9050.5	9722.3	10387.4	11017.0	11608.0	12188.4	12712.2	13187.1	13577.7	13900.6
7.5°	8544.5	9215.8	9898.0	10564.2	11191.7	11802.4	12399.9	12956.1	13435.6	13803.5	14091.6
5°	8651.9	9339.1	10034.5	10706.9	11343.2	11955.8	12556.0	13105.2	13573.2	13947.7	14261.8
2.5°	8728.7	9422.4	10122.7	10796.1	11446.5	12060.6	12675.8	13231.3	13684.5	14027.5	14328.3
0°	8777.9	9472.6	10178.4	10867.4	11506.0	12099.8	12760.8	13281.8	13752.3	14094.0	14407.7
-2.5°	8728.7	9422.4	10122.7	10796.1	11446.5	12060.6	12675.8	13231.3	13684.5	14027.5	14328.3
-5°	8651.9	9339.1	10034.5	10706.9	11343.2	11955.8	12556.0	13105.2	13573.2	13947.7	14261.8
-7.5°	8544.5	9215.8	9898.0	10564.2	11191.7	11802.4	12399.9	12956.1	13435.6	13803.5	14091.6
-10°	8398.9	9050.5	9722.3	10387.4	11017.0	11608.0	12188.4	12712.2	13187.1	13577.7	13900.6
-12.5°	8230.4	8863.3	9514.0	10166.2	10787.5	11346.0	11879.9	12375.3	12858.6	13294.8	13584.0
-15°	8032.9	8641.3	9265.1	9879.5	10467.0	11026.3	11536.2	12024.5	12484.6	12873.0	13187.6
-17.5°	7788.8	8391.3	8962.4	9538.0	10095.1	10647.3	11157.7	11625.3	12039.7	12398.8	12709.0
-20°	7500.5	8087.9	8630.3	9170.9	9699.5	10226.0	10728.3	11164.5	11548.6	11886.8	12183.0



REPORT NUMBER: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7192.2	7740.3	8270.4	8781.5	9283.4	9776.5	10244.4	10657.8	11020.8	11338.4	11607.1
-25°	6861.1	7375.2	7879.7	8365.5	8834.6	9292.1	9719.6	10115.4	10458.0	10761.8	11004.6
-27.5°	6514.7	6992.9	7466.2	7924.5	8363.6	8778.3	9174.2	9537.0	9857.7	10134.5	10370.8
-30°	6148.1	6593.2	7034.4	7463.3	7869.5	8251.1	8613.8	8948.4	9242.3	9497.0	9721.1
-32.5°	5774.5	6185.4	6590.5	6986.1	7362.2	7714.4	8041.9	8358.3	8631.5	8864.4	9064.2
-35°	5388.5	5770.7	6142.9	6502.2	6845.8	7172.5	7474.8	7761.1	8026.8	8238.6	8412.4
-37.5°	5000.9	5349.3	5689.3	6015.8	6330.4	6626.4	6902.6	7154.2	7379.6	7588.7	7758.6
-40°	4615.0	4931.7	5238.6	5530.1	5815.8	6089.0	6344.6	6567.3	6767.0	6950.6	7103.6
-42.5°	4227.2	4516.5	4795.0	5062.4	5312.3	5562.9	5799.2	6010.3	6187.4	6342.1	6471.8
-45°	3844.4	4103.7	4352.5	4597.5	4824.8	5041.5	5251.6	5444.7	5600.0	5736.0	5850.2
-47.5°	3466.2	3697.4	3922.9	4137.2	4343.5	4536.9	4707.2	4862.3	5013.6	5137.0	5234.6
-50°	3102.0	3305.0	3507.0	3694.2	3880.7	4054.6	4211.8	4347.9	4469.3	4574.4	4657.1
-52.5°	2753.7	2931.2	3105.4	3273.7	3436.0	3587.0	3724.2	3841.4	3945.7	4035.1	4106.5
-55°	2435.4	2581.5	2715.6	2863.6	3006.5	3136.6	3251.2	3351.9	3439.0	3511.9	3573.9
-57.5°	2145.9	2262.7	2378.3	2495.6	2606.4	2710.2	2807.2	2892.9	2965.2	3024.6	3074.4
-60°	1877.9	1968.1	2067.0	2161.4	2248.4	2327.7	2406.6	2474.9	2533.4	2581.8	2620.9
-62.5°	1628.6	1708.0	1781.7	1853.2	1923.3	1992.3	2045.3	2093.5	2136.4	2173.3	2202.7
-65°	1388.7	1453.5	1510.9	1563.6	1611.9	1662.7	1704.4	1739.5	1767.6	1790.9	1809.6
-67.5°	1160.5	1211.1	1255.4	1293.1	1330.5	1365.5	1394.3	1417.8	1436.0	1451.4	1463.3
-70°	958.0	995.7	1027.4	1057.8	1088.7	1113.5	1132.2	1145.8	1154.4	1160.1	1164.1
-72.5°	778.1	813.3	842.1	869.0	891.8	908.2	920.1	929.0	935.1	929.0	918.3
-75°	612.3	646.1	678.7	706.5	729.6	740.3	745.5	749.1	751.1	731.0	704.8
-77.5°	469.3	503.9	534.2	561.9	587.1	591.9	591.2	589.9	587.8	559.9	526.0
-80°	329.9	357.3	383.2	408.9	434.2	437.1	434.2	428.9	421.5	394.1	363.1
-82.5°	202.1	218.3	233.7	249.0	264.2	268.1	269.3	268.8	266.6	245.8	222.6
-85°	93.6	100.2	106.3	112.2	117.9	123.2	128.2	132.9	137.2	125.3	112.1
-87.5°	18.3	18.9	19.4	19.9	20.3	20.7	21.0	21.4	21.6	20.5	19.3
-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: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6B-730-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°	18.0	16.7	16.8	16.8	16.8	16.7	18.0	19.3	20.5	21.6	21.4
85°	98.2	83.6	78.3	72.8	78.3	83.6	98.2	112.1	125.3	137.2	132.9
82.5°	198.4	173.1	165.1	156.8	165.1	173.1	198.4	222.6	245.8	266.6	268.8
80°	330.4	296.1	282.7	268.9	282.7	296.1	330.4	363.1	394.1	421.5	428.9
77.5°	490.2	452.6	436.6	420.1	436.6	452.6	490.2	526.0	559.9	587.8	589.9
75°	677.0	647.6	629.8	610.6	629.8	647.6	677.0	704.8	731.0	751.1	749.1
72.5°	906.0	891.6	878.6	862.7	878.6	891.6	906.0	918.3	929.0	935.1	929.0
70°	1165.4	1163.6	1165.9	1165.2	1165.9	1163.6	1165.4	1164.1	1160.1	1154.4	1145.8
67.5°	1469.4	1469.8	1476.1	1478.9	1476.1	1469.8	1469.4	1463.3	1451.4	1436.0	1417.8
65°	1821.1	1825.4	1823.8	1815.0	1823.8	1825.4	1821.1	1809.6	1790.9	1767.6	1739.5
62.5°	2223.5	2235.6	2242.3	2240.7	2242.3	2235.6	2223.5	2202.7	2173.3	2136.4	2093.5
60°	2650.1	2669.0	2678.6	2677.6	2678.6	2669.0	2650.1	2620.9	2581.8	2533.4	2474.9
57.5°	3111.6	3135.9	3141.6	3131.4	3141.6	3135.9	3111.6	3074.4	3024.6	2965.2	2892.9
55°	3620.6	3651.7	3663.6	3657.9	3663.6	3651.7	3620.6	3573.9	3511.9	3439.0	3351.9
52.5°	4158.8	4192.4	4204.3	4195.7	4204.3	4192.4	4158.8	4106.5	4035.1	3945.7	3841.4
50°	4717.8	4758.5	4774.9	4767.1	4774.9	4758.5	4717.8	4657.1	4574.4	4469.3	4347.9
47.5°	5311.1	5365.3	5386.4	5372.1	5386.4	5365.3	5311.1	5234.6	5137.0	5013.6	4862.3
45°	5935.5	5991.7	6013.5	5999.5	6013.5	5991.7	5935.5	5850.2	5736.0	5600.0	5444.7
42.5°	6571.1	6644.1	6675.0	6649.3	6675.0	6644.1	6571.1	6471.8	6342.1	6187.4	6010.3
40°	7217.8	7297.1	7333.6	7315.9	7333.6	7297.1	7217.8	7103.6	6950.6	6767.0	6567.3
37.5°	7881.2	7960.0	7998.8	7999.3	7998.8	7960.0	7881.2	7758.6	7588.7	7379.6	7154.2
35°	8547.0	8642.5	8696.5	8693.9	8696.5	8642.5	8547.0	8412.4	8238.6	8026.8	7761.1
32.5°	9222.2	9325.5	9380.7	9388.5	9380.7	9325.5	9222.2	9064.2	8864.4	8631.5	8358.3
30°	9896.2	10009.9	10073.8	10100.0	10073.8	10009.9	9896.2	9721.1	9497.0	9242.3	8948.4
27.5°	10549.8	10689.7	10786.2	10794.6	10786.2	10689.7	10549.8	10370.8	10134.5	9857.7	9537.0
25°	11182.8	11325.2	11424.3	11444.4	11424.3	11325.2	11182.8	11004.6	10761.8	10458.0	10115.4
22.5°	11806.8	11955.6	12047.0	12083.0	12047.0	11955.6	11806.8	11607.1	11338.4	11020.8	10657.8
20°	12402.4	12563.7	12660.6	12699.2	12660.6	12563.7	12402.4	12183.0	11886.8	11548.6	11164.5
17.5°	12941.2	13111.7	13231.4	13265.0	13231.4	13111.7	12941.2	12709.0	12398.8	12039.7	11625.3
15°	13415.4	13577.1	13690.7	13735.5	13690.7	13577.1	13415.4	13187.6	12873.0	12484.6	12024.5
12.5°	13801.3	13946.0	14035.0	14077.2	14035.0	13946.0	13801.3	13584.0	13294.8	12858.6	12375.3
10°	14102.9	14248.0	14332.9	14390.9	14332.9	14248.0	14102.9	13900.6	13577.7	13187.1	12712.2
7.5°	14364.6	14513.2	14617.3	14699.0	14617.3	14513.2	14364.6	14091.6	13803.5	13435.6	12956.1
5°	14509.1	14757.3	14794.6	14850.3	14794.6	14757.3	14509.1	14261.8	13947.7	13573.2	13105.2
2.5°	14619.3	14795.3	14901.2	14889.5	14901.2	14795.3	14619.3	14328.3	14027.5	13684.5	13231.3
0°	14699.0	14855.9	14895.1	14945.5	14895.1	14855.9	14699.0	14407.7	14094.0	13752.3	13281.8
-2.5°	14619.3	14795.3	14901.2	14889.5	14901.2	14795.3	14619.3	14328.3	14027.5	13684.5	13231.3
-5°	14509.1	14757.3	14794.6	14850.3	14794.6	14757.3	14509.1	14261.8	13947.7	13573.2	13105.2
-7.5°	14364.6	14513.2	14617.3	14699.0	14617.3	14513.2	14364.6	14091.6	13803.5	13435.6	12956.1
-10°	14102.9	14248.0	14332.9	14390.9	14332.9	14248.0	14102.9	13900.6	13577.7	13187.1	12712.2
-12.5°	13801.3	13946.0	14035.0	14077.2	14035.0	13946.0	13801.3	13584.0	13294.8	12858.6	12375.3
-15°	13415.4	13577.1	13690.7	13735.5	13690.7	13577.1	13415.4	13187.6	12873.0	12484.6	12024.5
-17.5°	12941.2	13111.7	13231.4	13265.0	13231.4	13111.7	12941.2	12709.0	12398.8	12039.7	11625.3
-20°	12402.4	12563.7	12660.6	12699.2	12660.6	12563.7	12402.4	12183.0	11886.8	11548.6	11164.5



REPORT NUMBER: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6B-730-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°	11806.8	11955.6	12047.0	12083.0	12047.0	11955.6	11806.8	11607.1	11338.4	11020.8	10657.8
-25°	11182.8	11325.2	11424.3	11444.4	11424.3	11325.2	11182.8	11004.6	10761.8	10458.0	10115.4
-27.5°	10549.8	10689.7	10786.2	10794.6	10786.2	10689.7	10549.8	10370.8	10134.5	9857.7	9537.0
-30°	9896.2	10009.9	10073.8	10100.0	10073.8	10009.9	9896.2	9721.1	9497.0	9242.3	8948.4
-32.5°	9222.2	9325.5	9380.7	9388.5	9380.7	9325.5	9222.2	9064.2	8864.4	8631.5	8358.3
-35°	8547.0	8642.5	8696.5	8693.9	8696.5	8642.5	8547.0	8412.4	8238.6	8026.8	7761.1
-37.5°	7881.2	7960.0	7998.8	7999.3	7998.8	7960.0	7881.2	7758.6	7588.7	7379.6	7154.2
-40°	7217.8	7297.1	7333.6	7315.9	7333.6	7297.1	7217.8	7103.6	6950.6	6767.0	6567.3
-42.5°	6571.1	6644.1	6675.0	6649.3	6675.0	6644.1	6571.1	6471.8	6342.1	6187.4	6010.3
-45°	5935.5	5991.7	6013.5	5999.5	6013.5	5991.7	5935.5	5850.2	5736.0	5600.0	5444.7
-47.5°	5311.1	5365.3	5386.4	5372.1	5386.4	5365.3	5311.1	5234.6	5137.0	5013.6	4862.3
-50°	4717.8	4758.5	4774.9	4767.1	4774.9	4758.5	4717.8	4657.1	4574.4	4469.3	4347.9
-52.5°	4158.8	4192.4	4204.3	4195.7	4204.3	4192.4	4158.8	4106.5	4035.1	3945.7	3841.4
-55°	3620.6	3651.7	3663.6	3657.9	3663.6	3651.7	3620.6	3573.9	3511.9	3439.0	3351.9
-57.5°	3111.6	3135.9	3141.6	3131.4	3141.6	3135.9	3111.6	3074.4	3024.6	2965.2	2892.9
-60°	2650.1	2669.0	2678.6	2677.6	2678.6	2669.0	2650.1	2620.9	2581.8	2533.4	2474.9
-62.5°	2223.5	2235.6	2242.3	2240.7	2242.3	2235.6	2223.5	2202.7	2173.3	2136.4	2093.5
-65°	1821.1	1825.4	1823.8	1815.0	1823.8	1825.4	1821.1	1809.6	1790.9	1767.6	1739.5
-67.5°	1469.4	1469.8	1476.1	1478.9	1476.1	1469.8	1469.4	1463.3	1451.4	1436.0	1417.8
-70°	1165.4	1163.6	1165.9	1165.2	1165.9	1163.6	1165.4	1164.1	1160.1	1154.4	1145.8
-72.5°	906.0	891.6	878.6	862.7	878.6	891.6	906.0	918.3	929.0	935.1	929.0
-75°	677.0	647.6	629.8	610.6	629.8	647.6	677.0	704.8	731.0	751.1	749.1
-77.5°	490.2	452.6	436.6	420.1	436.6	452.6	490.2	526.0	559.9	587.8	589.9
-80°	330.4	296.1	282.7	268.9	282.7	296.1	330.4	363.1	394.1	421.5	428.9
-82.5°	198.4	173.1	165.1	156.8	165.1	173.1	198.4	222.6	245.8	266.6	268.8
-85°	98.2	83.6	78.3	72.8	78.3	83.6	98.2	112.1	125.3	137.2	132.9
-87.5°	18.0	16.7	16.8	16.8	16.8	16.7	18.0	19.3	20.5	21.6	21.4
-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: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6B-730-U-VWR-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°	21.0	20.7	20.3	19.9	19.4	18.9	18.3	17.8	17.2	16.5	15.8
85°	128.2	123.2	117.9	112.2	106.3	100.2	93.6	82.0	71.3	61.3	52.7
82.5°	269.3	268.1	264.2	249.0	233.7	218.3	202.1	177.9	154.2	131.1	111.0
80°	434.2	437.1	434.2	408.9	383.2	357.3	329.9	294.6	258.9	224.9	199.4
77.5°	591.2	591.9	587.1	561.9	534.2	503.9	469.3	426.8	384.3	341.3	308.6
75°	745.5	740.3	729.6	706.5	678.7	646.1	612.3	575.0	531.4	481.3	438.4
72.5°	920.1	908.2	891.8	869.0	842.1	813.3	778.1	736.9	691.3	641.2	595.9
70°	1132.2	1113.5	1088.7	1057.8	1027.4	995.7	958.0	912.6	859.5	804.3	753.8
67.5°	1394.3	1365.5	1330.5	1293.1	1255.4	1211.1	1160.5	1105.1	1050.3	989.0	919.8
65°	1704.4	1662.7	1611.9	1563.6	1510.9	1453.5	1388.7	1324.4	1257.3	1183.7	1095.9
62.5°	2045.3	1992.3	1923.3	1853.2	1781.7	1708.0	1628.6	1549.7	1469.5	1382.7	1283.9
60°	2406.6	2327.7	2248.4	2161.4	2067.0	1968.1	1877.9	1782.0	1680.7	1582.4	1474.0
57.5°	2807.2	2710.2	2606.4	2495.6	2378.3	2262.7	2145.9	2025.3	1910.6	1790.9	1668.2
55°	3251.2	3136.6	3006.5	2863.6	2715.6	2581.5	2435.4	2289.1	2151.0	2005.8	1870.5
52.5°	3724.2	3587.0	3436.0	3273.7	3105.4	2931.2	2753.7	2585.6	2405.9	2241.5	2078.0
50°	4211.8	4054.6	3880.7	3694.2	3507.0	3305.0	3102.0	2900.0	2696.3	2494.7	2298.8
47.5°	4707.2	4536.9	4343.5	4137.2	3922.9	3697.4	3466.2	3223.3	2998.0	2764.2	2541.6
45°	5251.6	5041.5	4824.8	4597.5	4352.5	4103.7	3844.4	3578.5	3307.4	3050.3	2789.4
42.5°	5799.2	5562.9	5312.3	5062.4	4795.0	4516.5	4227.2	3934.1	3636.3	3339.7	3054.6
40°	6344.6	6089.0	5815.8	5530.1	5238.6	4931.7	4615.0	4289.0	3965.6	3639.5	3316.9
37.5°	6902.6	6626.4	6330.4	6015.8	5689.3	5349.3	5000.9	4647.9	4291.2	3940.3	3590.5
35°	7474.8	7172.5	6845.8	6502.2	6142.9	5770.7	5388.5	5001.9	4618.2	4238.7	3859.7
32.5°	8041.9	7714.4	7362.2	6986.1	6590.5	6185.4	5774.5	5357.1	4937.1	4531.8	4128.1
30°	8613.8	8251.1	7869.5	7463.3	7034.4	6593.2	6148.1	5705.9	5258.3	4812.3	4385.3
27.5°	9174.2	8778.3	8363.6	7924.5	7466.2	6992.9	6514.7	6042.7	5565.3	5091.1	4630.7
25°	9719.6	9292.1	8834.6	8365.5	7879.7	7375.2	6861.1	6361.8	5863.3	5355.8	4850.9
22.5°	10244.4	9776.5	9283.4	8781.5	8270.4	7740.3	7192.2	6654.0	6138.1	5593.2	5065.6
20°	10728.3	10226.0	9699.5	9170.9	8630.3	8087.9	7500.5	6928.1	6373.2	5813.7	5260.2
17.5°	11157.7	10647.3	10095.1	9538.0	8962.4	8391.3	7788.8	7177.6	6589.6	6009.7	5431.4
15°	11536.2	11026.3	10467.0	9879.5	9265.1	8641.3	8032.9	7398.0	6786.8	6182.9	5589.8
12.5°	11879.9	11346.0	10787.5	10166.2	9514.0	8863.3	8230.4	7591.1	6962.2	6341.4	5732.3
10°	12188.4	11608.0	11017.0	10387.4	9722.3	9050.5	8398.9	7753.5	7111.4	6477.1	5849.7
7.5°	12399.9	11802.4	11191.7	10564.2	9898.0	9215.8	8544.5	7884.0	7227.7	6585.2	5941.3
5°	12556.0	11955.8	11343.2	10706.9	10034.5	9339.1	8651.9	7978.6	7310.6	6664.2	6006.6
2.5°	12675.8	12060.6	11446.5	10796.1	10122.7	9422.4	8728.7	8049.7	7376.3	6722.2	6064.3
0°	12760.8	12099.8	11506.0	10867.4	10178.4	9472.6	8777.9	8094.5	7416.7	6750.1	6094.7
-2.5°	12675.8	12060.6	11446.5	10796.1	10122.7	9422.4	8728.7	8049.7	7376.3	6722.2	6064.3
-5°	12556.0	11955.8	11343.2	10706.9	10034.5	9339.1	8651.9	7978.6	7310.6	6664.2	6006.6
-7.5°	12399.9	11802.4	11191.7	10564.2	9898.0	9215.8	8544.5	7884.0	7227.7	6585.2	5941.3
-10°	12188.4	11608.0	11017.0	10387.4	9722.3	9050.5	8398.9	7753.5	7111.4	6477.1	5849.7
-12.5°	11879.9	11346.0	10787.5	10166.2	9514.0	8863.3	8230.4	7591.1	6962.2	6341.4	5732.3
-15°	11536.2	11026.3	10467.0	9879.5	9265.1	8641.3	8032.9	7398.0	6786.8	6182.9	5589.8
-17.5°	11157.7	10647.3	10095.1	9538.0	8962.4	8391.3	7788.8	7177.6	6589.6	6009.7	5431.4
-20°	10728.3	10226.0	9699.5	9170.9	8630.3	8087.9	7500.5	6928.1	6373.2	5813.7	5260.2



REPORT NUMBER: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10244.4	9776.5	9283.4	8781.5	8270.4	7740.3	7192.2	6654.0	6138.1	5593.2	5065.6
-25°	9719.6	9292.1	8834.6	8365.5	7879.7	7375.2	6861.1	6361.8	5863.3	5355.8	4850.9
-27.5°	9174.2	8778.3	8363.6	7924.5	7466.2	6992.9	6514.7	6042.7	5565.3	5091.1	4630.7
-30°	8613.8	8251.1	7869.5	7463.3	7034.4	6593.2	6148.1	5705.9	5258.3	4812.3	4385.3
-32.5°	8041.9	7714.4	7362.2	6986.1	6590.5	6185.4	5774.5	5357.1	4937.1	4531.8	4128.1
-35°	7474.8	7172.5	6845.8	6502.2	6142.9	5770.7	5388.5	5001.9	4618.2	4238.7	3859.7
-37.5°	6902.6	6626.4	6330.4	6015.8	5689.3	5349.3	5000.9	4647.9	4291.2	3940.3	3590.5
-40°	6344.6	6089.0	5815.8	5530.1	5238.6	4931.7	4615.0	4289.0	3965.6	3639.5	3316.9
-42.5°	5799.2	5562.9	5312.3	5062.4	4795.0	4516.5	4227.2	3934.1	3636.3	3339.7	3054.6
-45°	5251.6	5041.5	4824.8	4597.5	4352.5	4103.7	3844.4	3578.5	3307.4	3050.3	2789.4
-47.5°	4707.2	4536.9	4343.5	4137.2	3922.9	3697.4	3466.2	3223.3	2998.0	2764.2	2541.6
-50°	4211.8	4054.6	3880.7	3694.2	3507.0	3305.0	3102.0	2900.0	2696.3	2494.7	2298.8
-52.5°	3724.2	3587.0	3436.0	3273.7	3105.4	2931.2	2753.7	2585.6	2405.9	2241.5	2078.0
-55°	3251.2	3136.6	3006.5	2863.6	2715.6	2581.5	2435.4	2289.1	2151.0	2005.8	1870.5
-57.5°	2807.2	2710.2	2606.4	2495.6	2378.3	2262.7	2145.9	2025.3	1910.6	1790.9	1668.2
-60°	2406.6	2327.7	2248.4	2161.4	2067.0	1968.1	1877.9	1782.0	1680.7	1582.4	1474.0
-62.5°	2045.3	1992.3	1923.3	1853.2	1781.7	1708.0	1628.6	1549.7	1469.5	1382.7	1283.9
-65°	1704.4	1662.7	1611.9	1563.6	1510.9	1453.5	1388.7	1324.4	1257.3	1183.7	1095.9
-67.5°	1394.3	1365.5	1330.5	1293.1	1255.4	1211.1	1160.5	1105.1	1050.3	989.0	919.8
-70°	1132.2	1113.5	1088.7	1057.8	1027.4	995.7	958.0	912.6	859.5	804.3	753.8
-72.5°	920.1	908.2	891.8	869.0	842.1	813.3	778.1	736.9	691.3	641.2	595.9
-75°	745.5	740.3	729.6	706.5	678.7	646.1	612.3	575.0	531.4	481.3	438.4
-77.5°	591.2	591.9	587.1	561.9	534.2	503.9	469.3	426.8	384.3	341.3	308.6
-80°	434.2	437.1	434.2	408.9	383.2	357.3	329.9	294.6	258.9	224.9	199.4
-82.5°	269.3	268.1	264.2	249.0	233.7	218.3	202.1	177.9	154.2	131.1	111.0
-85°	128.2	123.2	117.9	112.2	106.3	100.2	93.6	82.0	71.3	61.3	52.7
-87.5°	21.0	20.7	20.3	19.9	19.4	18.9	18.3	17.8	17.2	16.5	15.8
-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: P627811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6B-730-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°	16.1	16.2	16.2	16.0	14.3	12.6	11.0	9.5	8.6	7.7	6.7
85°	52.9	51.7	48.9	44.3	34.9	25.1	21.9	18.9	17.1	15.3	13.5
82.5°	110.6	111.7	111.6	108.3	95.6	82.2	68.1	53.6	39.7	25.2	20.2
80°	199.7	197.6	192.9	183.7	162.8	139.1	121.3	102.9	84.9	66.0	46.5
77.5°	302.0	293.4	282.8	270.8	248.6	222.5	192.5	158.5	129.8	106.6	82.5
75°	416.2	402.5	387.7	367.7	339.2	306.6	273.6	234.0	189.9	148.5	118.3
72.5°	559.5	526.3	496.5	468.6	437.7	401.2	359.2	308.1	254.7	204.2	156.8
70°	704.7	654.8	610.3	572.2	534.9	496.8	450.6	387.7	318.2	258.7	203.0
67.5°	852.1	793.1	733.6	676.5	629.5	584.5	540.0	466.8	387.1	312.1	248.1
65°	1014.7	936.1	860.4	789.9	726.1	669.9	617.6	540.9	454.1	369.7	291.9
62.5°	1182.3	1081.9	992.3	902.5	823.0	754.6	691.8	607.2	518.1	425.3	337.7
60°	1358.4	1244.1	1125.0	1020.1	922.7	836.2	760.1	672.5	577.9	478.9	383.2
57.5°	1543.9	1409.5	1275.7	1143.1	1026.0	922.4	826.7	734.5	636.8	531.8	425.6
55°	1731.8	1587.1	1428.8	1279.3	1135.7	1012.4	897.0	793.9	693.6	583.7	462.2
52.5°	1920.0	1761.0	1591.1	1418.4	1257.7	1103.3	974.4	851.9	745.9	634.5	500.2
50°	2116.8	1934.5	1752.5	1565.9	1379.0	1209.8	1049.1	918.2	796.7	682.7	536.4
47.5°	2321.6	2118.5	1916.0	1712.1	1511.7	1311.8	1136.4	983.3	845.8	726.4	570.0
45°	2546.2	2308.6	2084.4	1863.9	1637.3	1421.9	1224.8	1045.5	901.4	760.4	601.0
42.5°	2770.6	2509.3	2258.8	2013.5	1768.8	1531.4	1308.5	1118.8	954.6	792.9	629.5
40°	3009.2	2710.7	2432.9	2166.8	1897.2	1635.5	1401.2	1190.2	1004.4	826.7	656.5
37.5°	3241.2	2917.1	2611.9	2313.2	2023.0	1747.9	1490.4	1257.2	1051.7	864.6	682.1
35°	3486.8	3124.4	2777.4	2460.6	2152.5	1854.5	1573.9	1324.6	1106.1	901.6	706.2
32.5°	3724.2	3327.2	2955.0	2606.0	2276.2	1955.0	1659.8	1396.1	1158.5	937.4	728.7
30°	3957.4	3530.7	3125.2	2743.4	2396.0	2060.4	1745.9	1462.9	1208.5	972.1	751.3
27.5°	4172.3	3719.2	3288.3	2885.5	2513.8	2160.4	1827.3	1524.9	1256.0	1007.7	777.5
25°	4372.6	3900.6	3449.1	3022.2	2623.1	2255.1	1902.3	1582.2	1304.3	1044.8	801.9
22.5°	4560.5	4069.0	3594.9	3148.1	2724.3	2342.1	1975.3	1643.3	1350.0	1079.1	824.2
20°	4731.3	4220.6	3725.4	3262.3	2822.8	2425.0	2045.6	1698.0	1390.9	1110.1	844.2
17.5°	4885.1	4359.2	3850.0	3369.0	2914.5	2498.6	2108.0	1746.3	1426.8	1137.7	861.9
15°	5027.9	4485.2	3960.1	3462.1	2993.9	2562.7	2162.3	1787.9	1457.5	1161.8	878.7
12.5°	5150.7	4593.2	4053.5	3541.3	3060.8	2617.0	2208.3	1822.7	1483.1	1183.5	894.6
10°	5251.7	4682.6	4129.8	3606.0	3114.9	2661.2	2245.6	1852.1	1507.0	1202.3	906.8
7.5°	5330.4	4752.5	4188.6	3655.9	3157.8	2698.1	2277.4	1877.5	1526.3	1216.8	915.3
5°	5390.1	4807.1	4239.7	3697.7	3197.2	2728.0	2300.5	1895.6	1540.3	1226.7	920.1
2.5°	5443.0	4848.1	4279.9	3724.8	3224.0	2747.4	2314.5	1906.6	1548.8	1232.0	921.3
0°	5472.9	4867.9	4302.1	3736.4	3237.8	2756.1	2319.1	1910.2	1551.7	1232.4	918.7
-2.5°	5443.0	4848.1	4279.9	3724.8	3224.0	2747.4	2314.5	1906.6	1548.8	1232.0	921.3
-5°	5390.1	4807.1	4239.7	3697.7	3197.2	2728.0	2300.5	1895.6	1540.3	1226.7	920.1
-7.5°	5330.4	4752.5	4188.6	3655.9	3157.8	2698.1	2277.4	1877.5	1526.3	1216.8	915.3
-10°	5251.7	4682.6	4129.8	3606.0	3114.9	2661.2	2245.6	1852.1	1507.0	1202.3	906.8
-12.5°	5150.7	4593.2	4053.5	3541.3	3060.8	2617.0	2208.3	1822.7	1483.1	1183.5	894.6
-15°	5027.9	4485.2	3960.1	3462.1	2993.9	2562.7	2162.3	1787.9	1457.5	1161.8	878.7
-17.5°	4885.1	4359.2	3850.0	3369.0	2914.5	2498.6	2108.0	1746.3	1426.8	1137.7	861.9
-20°	4731.3	4220.6	3725.4	3262.3	2822.8	2425.0	2045.6	1698.0	1390.9	1110.1	844.2



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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°	4560.5	4069.0	3594.9	3148.1	2724.3	2342.1	1975.3	1643.3	1350.0	1079.1	824.2
-25°	4372.6	3900.6	3449.1	3022.2	2623.1	2255.1	1902.3	1582.2	1304.3	1044.8	801.9
-27.5°	4172.3	3719.2	3288.3	2885.5	2513.8	2160.4	1827.3	1524.9	1256.0	1007.7	777.5
-30°	3957.4	3530.7	3125.2	2743.4	2396.0	2060.4	1745.9	1462.9	1208.5	972.1	751.3
-32.5°	3724.2	3327.2	2955.0	2606.0	2276.2	1955.0	1659.8	1396.1	1158.5	937.4	728.7
-35°	3486.8	3124.4	2777.4	2460.6	2152.5	1854.5	1573.9	1324.6	1106.1	901.6	706.2
-37.5°	3241.2	2917.1	2611.9	2313.2	2023.0	1747.9	1490.4	1257.2	1051.7	864.6	682.1
-40°	3009.2	2710.7	2432.9	2166.8	1897.2	1635.5	1401.2	1190.2	1004.4	826.7	656.5
-42.5°	2770.6	2509.3	2258.8	2013.5	1768.8	1531.4	1308.5	1118.8	954.6	792.9	629.5
-45°	2546.2	2308.6	2084.4	1863.9	1637.3	1421.9	1224.8	1045.5	901.4	760.4	601.0
-47.5°	2321.6	2118.5	1916.0	1712.1	1511.7	1311.8	1136.4	983.3	845.8	726.4	570.0
-50°	2116.8	1934.5	1752.5	1565.9	1379.0	1209.8	1049.1	918.2	796.7	682.7	536.4
-52.5°	1920.0	1761.0	1591.1	1418.4	1257.7	1103.3	974.4	851.9	745.9	634.5	500.2
-55°	1731.8	1587.1	1428.8	1279.3	1135.7	1012.4	897.0	793.9	693.6	583.7	462.2
-57.5°	1543.9	1409.5	1275.7	1143.1	1026.0	922.4	826.7	734.5	636.8	531.8	425.6
-60°	1358.4	1244.1	1125.0	1020.1	922.7	836.2	760.1	672.5	577.9	478.9	383.2
-62.5°	1182.3	1081.9	992.3	902.5	823.0	754.6	691.8	607.2	518.1	425.3	337.7
-65°	1014.7	936.1	860.4	789.9	726.1	669.9	617.6	540.9	454.1	369.7	291.9
-67.5°	852.1	793.1	733.6	676.5	629.5	584.5	540.0	466.8	387.1	312.1	248.1
-70°	704.7	654.8	610.3	572.2	534.9	496.8	450.6	387.7	318.2	258.7	203.0
-72.5°	559.5	526.3	496.5	468.6	437.7	401.2	359.2	308.1	254.7	204.2	156.8
-75°	416.2	402.5	387.7	367.7	339.2	306.6	273.6	234.0	189.9	148.5	118.3
-77.5°	302.0	293.4	282.8	270.8	248.6	222.5	192.5	158.5	129.8	106.6	82.5
-80°	199.7	197.6	192.9	183.7	162.8	139.1	121.3	102.9	84.9	66.0	46.5
-82.5°	110.6	111.7	111.6	108.3	95.6	82.2	68.1	53.6	39.7	25.2	20.2
-85°	52.9	51.7	48.9	44.3	34.9	25.1	21.9	18.9	17.1	15.3	13.5
-87.5°	16.1	16.2	16.2	16.0	14.3	12.6	11.0	9.5	8.6	7.7	6.7
-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°	5.8	4.8	3.9	2.9	2.0	0.9	0.0
85°	11.6	9.7	7.8	5.8	3.9	1.7	0.0
82.5°	17.3	14.5	11.6	8.7	5.8	2.6	0.0
80°	26.1	19.3	15.5	11.6	7.7	3.4	0.0
77.5°	56.9	30.2	19.3	14.5	9.6	4.2	0.0
75°	86.9	52.3	25.1	17.3	11.5	5.0	0.0
72.5°	116.0	73.8	40.1	20.2	13.3	5.9	0.0
70°	145.0	94.5	54.5	24.1	15.1	6.6	0.0
67.5°	179.9	114.3	68.4	33.1	16.8	7.4	0.0
65°	213.3	136.5	81.7	41.7	18.5	8.2	0.0
62.5°	245.0	160.9	94.2	49.8	20.1	8.9	0.0
60°	274.9	183.9	106.0	57.6	21.6	9.6	0.0
57.5°	306.4	205.5	121.8	64.9	26.0	10.3	0.0
55°	336.2	225.6	136.8	71.7	30.2	10.9	0.0
52.5°	363.7	244.7	150.8	78.0	34.3	11.6	0.0
50°	389.0	265.0	163.6	83.7	38.3	12.2	0.0
47.5°	412.7	283.5	175.4	89.7	42.0	12.7	0.0
45°	439.0	300.2	185.9	97.5	45.5	13.3	0.0
42.5°	463.2	315.0	195.3	104.5	48.9	13.8	0.0
40°	485.1	328.0	204.6	111.7	52.1	14.2	0.0
37.5°	504.7	339.1	213.9	118.9	55.0	14.7	0.0
35°	522.0	351.9	221.9	125.5	57.8	15.1	0.0
32.5°	538.0	364.7	228.6	131.6	60.3	15.4	0.0
30°	554.6	375.6	233.9	137.2	62.6	15.8	0.0
27.5°	569.6	384.7	241.9	142.3	64.7	16.0	0.0
25°	582.7	391.8	249.4	146.9	66.6	16.3	0.0
22.5°	594.0	399.1	256.1	150.9	68.2	16.5	0.0
20°	603.3	409.0	261.7	154.3	69.6	16.7	0.0
17.5°	614.9	417.1	266.5	157.2	70.8	16.8	0.0
15°	627.0	423.4	270.4	159.6	71.8	16.9	0.0
12.5°	636.9	427.9	273.3	161.4	72.5	17.0	0.0
10°	644.4	430.7	275.4	162.7	73.0	17.0	0.0
7.5°	649.5	431.9	276.5	163.5	73.3	17.0	0.0
5°	652.1	431.4	276.7	163.7	73.3	17.0	0.0
2.5°	652.2	429.3	276.0	163.3	73.2	16.9	0.0
0°	649.8	425.7	274.5	162.5	72.8	16.8	0.0
-2.5°	652.2	429.3	276.0	163.3	73.2	16.9	0.0
-5°	652.1	431.4	276.7	163.7	73.3	17.0	0.0
-7.5°	649.5	431.9	276.5	163.5	73.3	17.0	0.0
-10°	644.4	430.7	275.4	162.7	73.0	17.0	0.0
-12.5°	636.9	427.9	273.3	161.4	72.5	17.0	0.0
-15°	627.0	423.4	270.4	159.6	71.8	16.9	0.0
-17.5°	614.9	417.1	266.5	157.2	70.8	16.8	0.0
-20°	603.3	409.0	261.7	154.3	69.6	16.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	594.0	399.1	256.1	150.9	68.2	16.5	0.0
-25°	582.7	391.8	249.4	146.9	66.6	16.3	0.0
-27.5°	569.6	384.7	241.9	142.3	64.7	16.0	0.0
-30°	554.6	375.6	233.9	137.2	62.6	15.8	0.0
-32.5°	538.0	364.7	228.6	131.6	60.3	15.4	0.0
-35°	522.0	351.9	221.9	125.5	57.8	15.1	0.0
-37.5°	504.7	339.1	213.9	118.9	55.0	14.7	0.0
-40°	485.1	328.0	204.6	111.7	52.1	14.2	0.0
-42.5°	463.2	315.0	195.3	104.5	48.9	13.8	0.0
-45°	439.0	300.2	185.9	97.5	45.5	13.3	0.0
-47.5°	412.7	283.5	175.4	89.7	42.0	12.7	0.0
-50°	389.0	265.0	163.6	83.7	38.3	12.2	0.0
-52.5°	363.7	244.7	150.8	78.0	34.3	11.6	0.0
-55°	336.2	225.6	136.8	71.7	30.2	10.9	0.0
-57.5°	306.4	205.5	121.8	64.9	26.0	10.3	0.0
-60°	274.9	183.9	106.0	57.6	21.6	9.6	0.0
-62.5°	245.0	160.9	94.2	49.8	20.1	8.9	0.0
-65°	213.3	136.5	81.7	41.7	18.5	8.2	0.0
-67.5°	179.9	114.3	68.4	33.1	16.8	7.4	0.0
-70°	145.0	94.5	54.5	24.1	15.1	6.6	0.0
-72.5°	116.0	73.8	40.1	20.2	13.3	5.9	0.0
-75°	86.9	52.3	25.1	17.3	11.5	5.0	0.0
-77.5°	56.9	30.2	19.3	14.5	9.6	4.2	0.0
-80°	26.1	19.3	15.5	11.6	7.7	3.4	0.0
-82.5°	17.3	14.5	11.6	8.7	5.8	2.6	0.0
-85°	11.6	9.7	7.8	5.8	3.9	1.7	0.0
-87.5°	5.8	4.8	3.9	2.9	2.0	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)