

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: P559082 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-930-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559082 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5D-930-U-WAF-XX
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (80) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

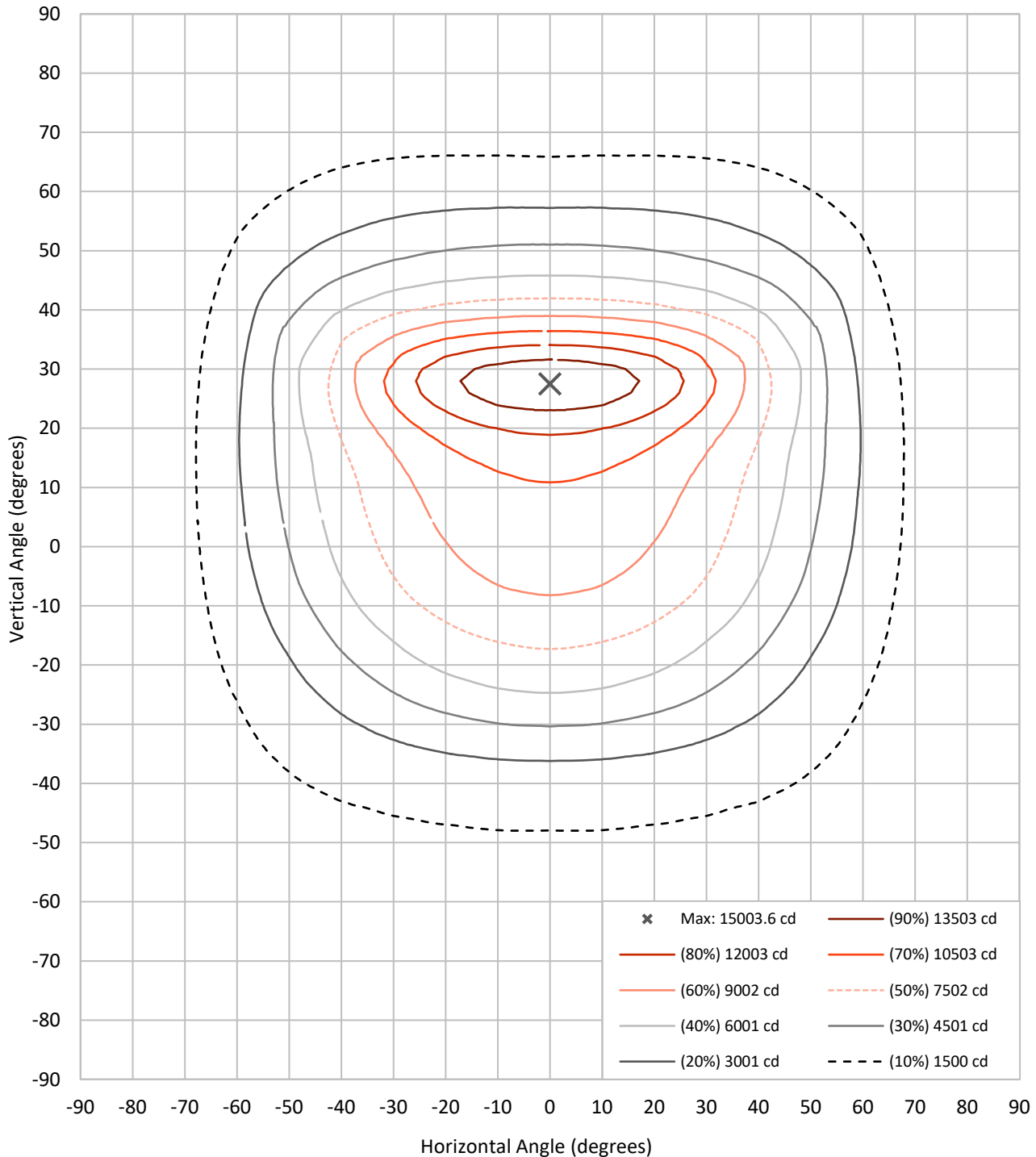
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	21872.7 lumens	Max Intensity:	15003.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	82.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	11367.3 lumens	Field Lumens:	20234.1 lumens
Beam Efficiency:	52.0%	Field Efficiency:	92.5%
Input Watts (W):	266		
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





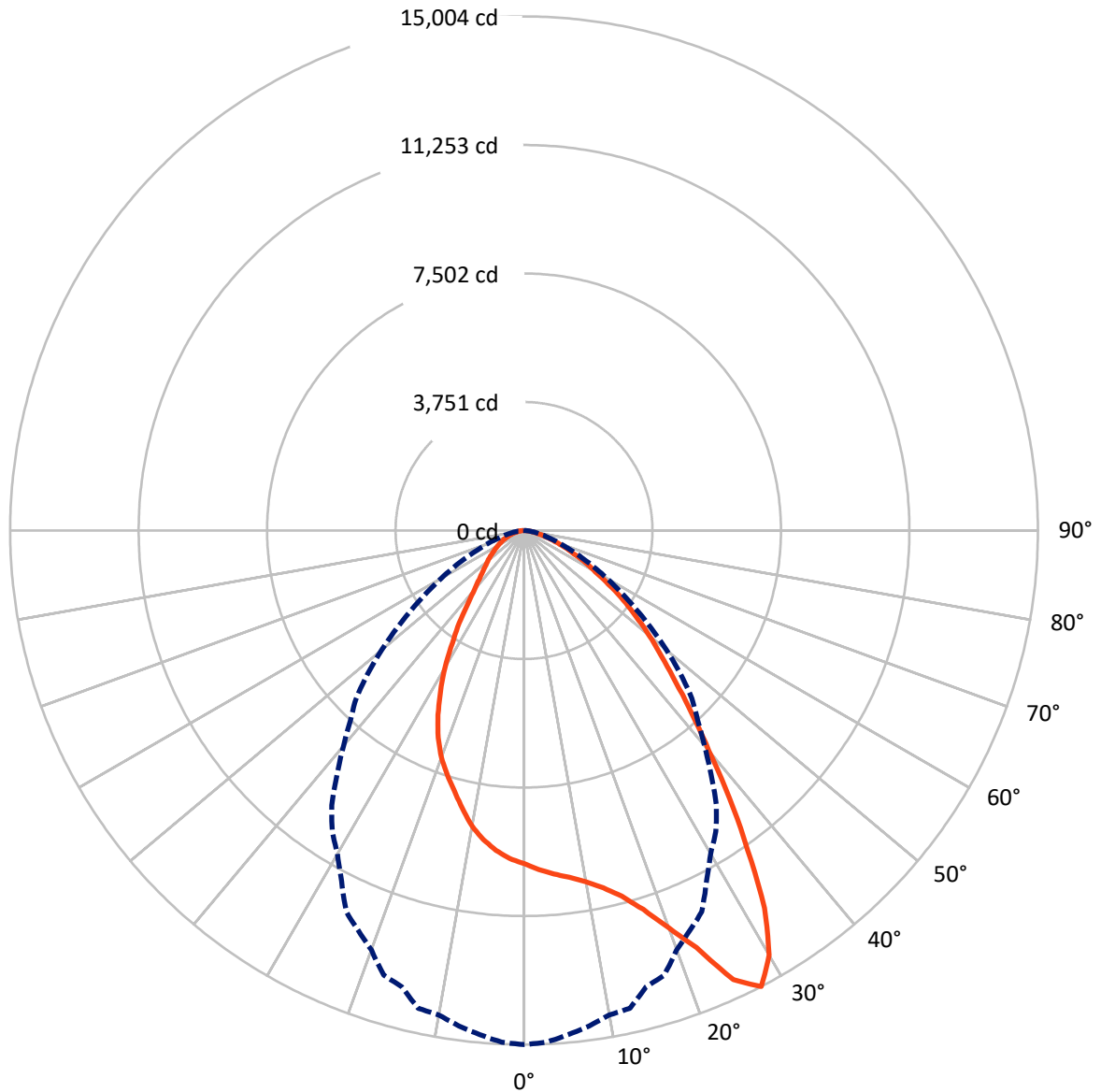
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Lumen Table

90																			
80	1.5	13.1	32.7	42.9	44.5	42.9	32.7	13.1	1.5										
70																			
60	5.9	7.4	16.3	27.5	37.8	45.1	49.1	50.5	50.5	49.1	45.1	37.8	27.5	16.3	7.4				5.9
50		12.2	29.8	51.4	72.7	90.3	102.0	107.4	107.4	102.0	90.3	72.7	51.4	29.8	12.2				
40	10.5	17.6	47.8	87.7	127.3	159.6	181.5	192.9	192.9	181.5	159.6	127.3	87.7	47.8	17.6				10.5
30		22.4	65.2	130.8	206.2	272.4	319.6	343.4	343.4	319.6	272.4	206.2	130.8	65.2	22.4				
20	13.3	25.3	71.2	145.8	233.5	318.2	383.6	419.0	419.0	383.6	318.2	233.5	145.8	71.2	25.3				13.3
10		26.1	70.1	133.8	203.5	266.0	312.1	336.2	336.2	312.1	266.0	203.5	133.8	70.1	26.1				
0	13.3	25.0	65.8	124.2	186.8	242.1	283.0	303.1	303.1	283.0	242.1	186.8	124.2	65.8	25.0				13.3
-10		22.6	58.1	110.7	169.2	221.4	259.9	279.8	279.8	259.9	221.4	169.2	110.7	58.1	22.6				
-20	11.1	19.2	46.7	88.6	138.2	184.3	218.8	237.0	237.0	218.8	184.3	138.2	88.6	46.7	19.2				11.1
-30		15.5	34.9	63.6	98.4	133.6	161.0	176.8	176.8	161.0	133.6	98.4	63.6	34.9	15.5				
-40	7.9	12.0	25.3	42.3	60.8	78.4	92.4	100.2	100.2	92.4	78.4	60.8	42.3	25.3	12.0				7.9
-50		9.1	17.9	27.5	36.6	44.6	50.3	53.1	53.1	50.3	44.6	36.6	27.5	17.9	9.1				
-60	4.5	6.5	12.3	18.2	23.7	28.6	32.2	33.8	33.8	32.2	28.6	23.7	18.2	12.3	6.5				4.5
-70		4.3	7.9	11.7	15.1	17.9	19.9	20.7	20.7	19.9	17.9	15.1	11.7	7.9	4.3				
-80	1.4	8.8	18.8	25.4	27.3	25.4	18.8	8.8	1.4										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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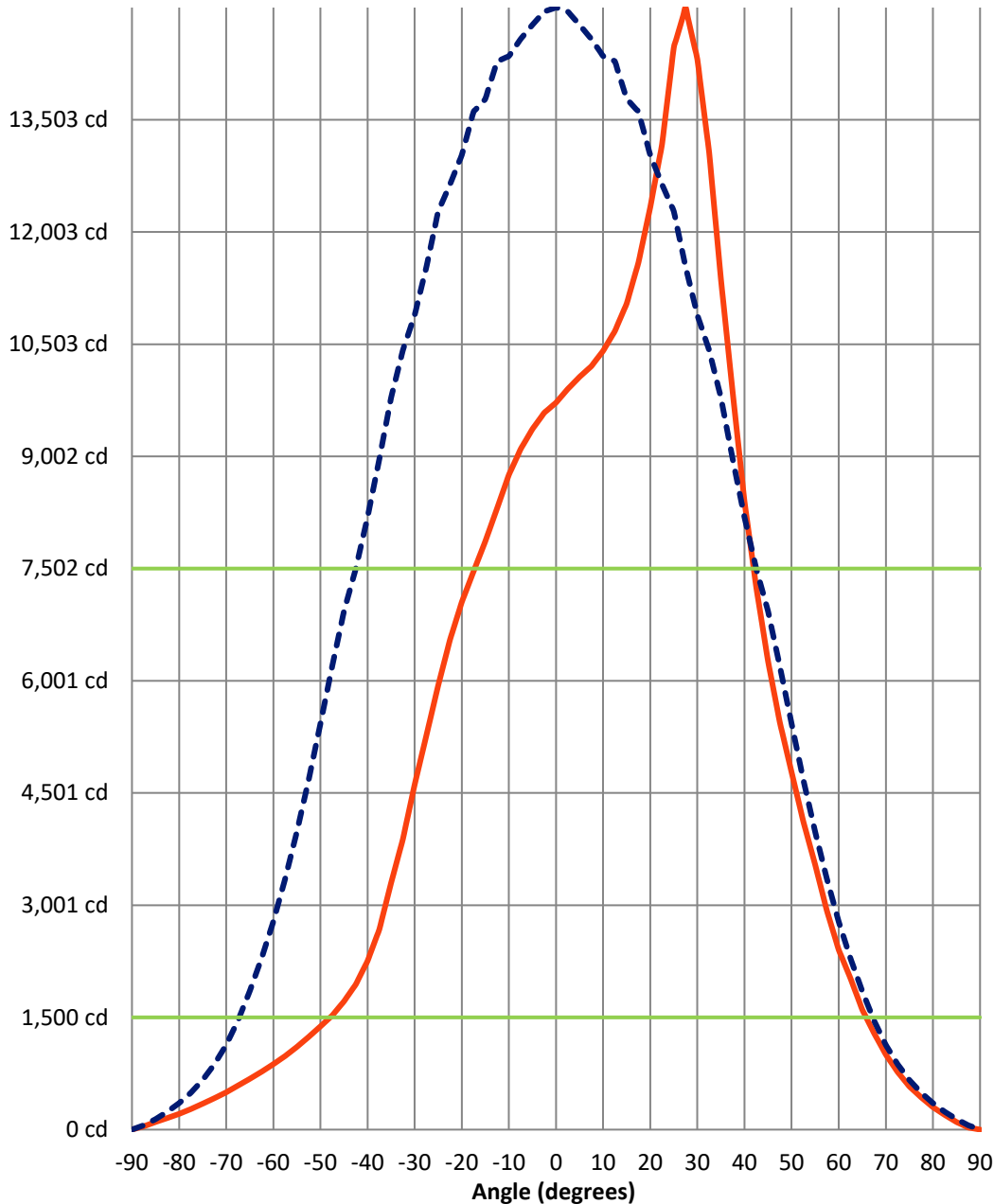
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 27.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 85°
 V Angle: 59.2°
 Lumens: 11367.3
 Efficiency: 52.0%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 20234.1
 Efficiency: 92.5%

Spill:
 Lumens: 1638.6
 Efficiency: 7.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 27.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.9	5.8	8.7	11.4	14.1	16.7	19.2	21.7	24.1	26.3
85°	0.0	5.7	11.6	17.3	22.8	28.2	33.4	38.5	43.4	48.1	52.6
82.5°	0.0	8.6	17.4	25.9	34.2	42.2	50.0	57.6	66.3	80.8	95.9
80°	0.0	11.4	23.2	34.5	45.5	56.2	68.1	87.0	106.8	127.4	148.8
77.5°	0.0	14.2	28.9	43.0	56.7	73.3	96.7	121.3	146.9	173.5	204.6
75°	0.0	17.0	34.5	51.4	69.0	96.1	125.0	155.1	187.6	228.5	270.5
72.5°	0.0	19.7	40.1	59.7	86.4	118.6	152.8	191.0	237.9	286.1	335.5
70°	0.0	22.5	45.6	68.8	103.6	140.7	181.1	233.5	287.4	342.8	407.6
67.5°	0.0	25.1	51.0	81.0	120.3	162.3	215.7	275.2	336.0	408.0	480.5
65°	0.0	27.7	56.3	92.9	136.7	186.3	249.4	316.0	392.3	471.7	556.0
62.5°	0.0	30.3	61.5	104.6	152.7	212.4	281.9	361.3	447.2	536.2	639.1
60°	0.0	32.8	66.5	115.9	168.2	237.6	313.3	407.8	500.7	607.3	719.5
57.5°	0.0	35.2	73.7	126.9	186.8	261.9	348.7	452.4	558.8	675.7	811.4
55°	0.0	37.6	80.6	137.6	204.8	285.1	383.1	493.9	616.3	745.0	905.5
52.5°	0.0	39.9	87.3	147.8	222.1	307.9	415.7	538.0	671.2	822.6	994.2
50°	0.0	42.1	93.8	157.6	238.5	332.8	446.4	579.9	726.7	895.4	1100.2
47.5°	0.0	44.2	100.1	167.5	254.0	356.3	475.6	619.0	785.8	963.3	1201.3
45°	0.0	46.2	106.0	178.4	268.7	378.2	506.1	655.0	837.3	1045.3	1294.5
42.5°	0.0	48.2	111.7	188.7	282.3	398.4	534.3	692.7	884.6	1120.9	1399.2
40°	0.0	50.0	117.2	198.5	296.2	417.1	559.9	730.5	932.3	1188.9	1497.3
37.5°	0.0	51.8	122.3	207.7	310.1	434.0	583.1	764.9	983.8	1251.1	1585.2
35°	0.0	53.5	127.1	216.4	322.8	450.9	603.7	795.7	1029.2	1317.2	1668.0
32.5°	0.0	55.0	131.6	224.5	334.2	466.8	623.5	822.9	1068.4	1373.7	1741.7
30°	0.0	56.4	135.8	231.9	344.4	480.7	644.8	848.2	1101.4	1420.8	1802.9
27.5°	0.0	57.8	139.7	238.7	354.1	492.7	663.2	874.5	1132.2	1458.3	1851.5
25°	0.0	59.0	143.2	244.8	362.6	502.8	678.7	896.0	1162.1	1492.8	1888.0
22.5°	0.0	60.1	146.4	250.3	370.0	511.6	691.3	912.7	1184.6	1520.7	1919.2
20°	0.0	61.1	149.3	255.2	376.1	520.3	701.2	924.7	1199.9	1538.8	1939.4
17.5°	0.0	61.9	151.8	259.4	381.1	527.5	710.0	932.3	1208.2	1547.3	1948.7
15°	0.0	62.7	153.9	262.9	384.9	533.2	717.2	937.5	1209.9	1546.7	1947.4
12.5°	0.0	63.3	155.7	265.7	387.6	537.4	721.6	941.4	1209.9	1537.5	1935.8
10°	0.0	63.8	157.1	267.9	389.2	540.0	723.3	941.7	1207.9	1532.8	1918.2
7.5°	0.0	64.2	158.2	269.4	389.7	541.1	722.5	938.4	1200.8	1523.1	1898.6
5°	0.0	64.5	158.9	270.2	389.3	540.7	719.3	931.8	1188.8	1506.9	1869.5
2.5°	0.0	64.6	159.2	270.4	387.8	538.8	713.8	922.1	1172.3	1484.6	1831.7
0°	0.0	64.6	159.2	270.0	385.4	535.4	706.2	909.3	1151.6	1456.3	1786.3
-2.5°	0.0	64.7	158.8	268.8	383.5	530.3	698.1	895.9	1131.2	1424.9	1740.6
-5°	0.0	64.7	158.1	266.9	380.8	523.9	688.1	879.9	1107.3	1388.6	1688.9
-7.5°	0.0	64.5	157.0	264.5	377.2	516.2	676.2	861.5	1080.1	1347.7	1632.0
-10°	0.0	64.2	155.6	261.4	372.7	507.3	662.7	840.8	1049.8	1302.8	1570.6
-12.5°	0.0	63.8	153.8	257.8	367.4	497.3	647.5	818.1	1016.8	1255.0	1510.3
-15°	0.0	63.3	151.7	253.6	361.3	486.3	630.7	793.6	983.0	1208.0	1448.8
-17.5°	0.0	62.6	149.4	248.9	354.3	474.4	612.4	769.1	949.2	1158.3	1384.2
-20°	0.0	61.8	146.7	243.6	346.6	461.6	593.6	744.2	913.6	1106.4	1316.9



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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	60.9	143.7	237.8	338.1	448.1	574.6	717.6	876.3	1052.7	1247.6
-25°	0.0	59.9	140.4	231.6	328.8	434.6	554.6	689.3	837.8	997.7	1176.6
-27.5°	0.0	58.7	136.9	224.8	318.8	420.5	533.5	659.6	798.2	944.4	1109.2
-30°	0.0	57.4	133.0	217.7	308.1	405.5	511.4	628.5	759.9	895.8	1042.0
-32.5°	0.0	56.0	129.0	210.1	297.1	389.7	488.5	599.5	721.8	847.0	975.1
-35°	0.0	54.5	124.7	202.0	285.4	373.1	467.1	570.9	682.5	798.1	908.9
-37.5°	0.0	52.9	120.1	193.6	273.3	356.3	446.0	541.6	642.3	749.5	854.2
-40°	0.0	51.2	115.4	184.9	260.6	340.2	424.0	511.9	601.1	702.2	802.4
-42.5°	0.0	49.3	110.4	175.8	247.9	323.6	401.4	481.8	564.0	656.4	749.7
-45°	0.0	47.4	105.2	166.4	235.4	306.5	378.1	452.6	529.2	610.6	696.6
-47.5°	0.0	45.4	99.9	156.6	222.4	288.8	354.1	424.7	494.3	564.7	645.9
-50°	0.0	43.2	94.3	147.9	208.9	270.8	332.1	396.2	459.9	526.2	595.4
-52.5°	0.0	41.0	88.6	139.3	195.1	252.3	310.2	367.2	426.6	486.9	545.9
-55°	0.0	38.7	82.7	130.5	180.8	234.4	287.9	338.2	393.5	447.0	502.0
-57.5°	0.0	36.3	76.7	121.4	166.2	216.3	265.3	312.3	359.8	408.9	457.5
-60°	0.0	33.8	70.5	112.1	151.4	197.8	242.5	286.2	326.5	371.0	413.7
-62.5°	0.0	31.2	65.2	102.6	138.9	179.0	220.2	259.6	296.6	332.7	371.8
-65°	0.0	28.6	59.8	92.9	126.1	159.9	197.5	232.9	266.3	298.1	329.6
-67.5°	0.0	25.9	54.3	83.0	113.0	142.1	174.6	206.6	235.7	264.2	291.0
-70°	0.0	23.2	48.6	73.0	99.8	125.8	151.3	180.1	206.3	230.1	253.9
-72.5°	0.0	20.4	42.8	63.9	86.4	109.3	131.3	153.4	177.0	198.2	217.2
-75°	0.0	17.6	36.8	55.0	72.9	92.6	111.5	129.8	147.5	166.3	183.2
-77.5°	0.0	14.7	30.8	46.0	60.7	75.7	91.7	107.2	121.8	135.5	149.3
-80°	0.0	11.8	24.8	36.9	48.6	60.2	71.6	84.4	96.4	107.7	118.3
-82.5°	0.0	8.9	18.6	27.7	36.6	45.2	53.6	62.3	71.0	79.9	88.2
-85°	0.0	5.9	12.4	18.5	24.4	30.2	35.8	41.6	47.3	52.9	58.4
-87.5°	0.0	3.0	6.2	9.3	12.2	15.1	17.9	20.8	23.7	26.5	29.2
-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°	27.7	28.9	29.8	30.5	31.6	32.7	33.5	34.3	34.9	35.4	35.7
85°	55.4	57.7	64.6	71.1	77.9	84.0	89.5	94.4	98.3	101.5	104.0
82.5°	108.3	119.8	130.8	141.1	150.6	158.9	167.0	176.3	183.8	190.1	195.2
80°	166.0	181.9	201.1	219.1	235.3	250.1	263.7	275.9	285.4	294.9	304.2
77.5°	233.4	259.0	282.8	304.8	326.0	350.8	373.7	394.7	410.9	423.2	432.5
75°	305.9	336.2	370.9	405.3	437.7	467.4	496.2	531.4	560.1	581.6	598.8
72.5°	383.2	426.8	469.3	510.5	557.9	604.0	648.7	692.0	730.0	757.9	780.4
70°	466.7	517.4	576.1	635.4	692.4	750.3	812.0	868.2	914.7	947.5	978.8
67.5°	552.1	623.2	692.6	764.0	844.9	918.5	985.8	1057.0	1119.6	1160.8	1196.9
65°	650.4	730.0	822.7	917.4	1006.1	1098.1	1183.3	1260.3	1339.4	1396.8	1444.0
62.5°	745.5	857.5	966.8	1077.5	1189.1	1289.1	1400.3	1499.4	1578.9	1661.1	1731.6
60°	858.3	991.3	1125.4	1258.9	1383.8	1524.2	1646.1	1761.4	1867.7	1959.3	2046.0
57.5°	970.9	1142.6	1301.2	1457.9	1623.0	1773.3	1916.6	2045.7	2172.8	2278.8	2382.8
55°	1089.3	1310.3	1493.4	1687.0	1868.6	2038.3	2199.4	2361.0	2496.4	2642.6	2769.7
52.5°	1220.8	1473.2	1709.7	1922.9	2127.6	2323.4	2516.0	2710.6	2900.7	3052.3	3196.0
50°	1343.6	1644.6	1929.1	2172.3	2407.6	2640.0	2880.7	3124.0	3333.5	3506.8	3656.4
47.5°	1478.9	1803.7	2165.2	2434.2	2716.6	3004.6	3296.8	3565.5	3793.8	4029.6	4194.8
45°	1610.6	1964.8	2357.0	2730.2	3056.9	3405.7	3727.6	4024.1	4354.9	4612.4	4833.2
42.5°	1730.9	2117.4	2553.9	3029.0	3437.5	3811.8	4160.2	4577.3	4957.4	5258.4	5533.8
40°	1854.7	2256.2	2733.0	3306.4	3816.9	4216.6	4640.6	5101.6	5596.2	5966.6	6295.8
37.5°	1967.8	2398.2	2896.8	3518.2	4190.6	4629.9	5098.8	5598.9	6162.9	6719.8	7115.7
35°	2067.9	2518.5	3059.3	3690.5	4378.9	5030.5	5526.5	6059.0	6676.2	7398.9	7939.4
32.5°	2158.8	2616.7	3188.3	3824.9	4523.2	5287.3	5916.5	6463.2	7082.4	7828.2	8746.1
30°	2232.8	2711.8	3284.4	3922.0	4622.3	5383.3	6182.4	6778.1	7365.7	8097.6	8951.9
27.5°	2288.9	2781.5	3350.5	3982.6	4675.4	5427.9	6196.5	6931.4	7500.3	8189.0	8965.8
25°	2332.0	2838.6	3385.5	4005.1	4683.1	5408.3	6147.9	6843.4	7482.0	8089.2	8786.3
22.5°	2367.7	2878.0	3423.9	3989.9	4647.8	5338.6	6034.3	6697.3	7315.5	7883.9	8483.6
20°	2394.5	2903.2	3443.3	4004.7	4588.5	5225.5	5890.8	6521.8	7118.9	7669.4	8157.4
17.5°	2406.6	2910.7	3443.3	4002.0	4578.5	5135.7	5715.0	6321.6	6908.5	7455.4	7937.6
15°	2404.4	2900.9	3424.3	3980.6	4548.5	5100.5	5634.2	6134.6	6681.1	7234.0	7714.4
12.5°	2388.5	2874.7	3387.1	3940.8	4499.8	5045.1	5569.2	6071.6	6561.7	7024.7	7484.1
10°	2359.5	2832.7	3332.3	3882.6	4432.3	4969.6	5487.0	5991.1	6476.1	6930.6	7358.4
7.5°	2329.8	2785.8	3266.4	3806.5	4346.3	4874.1	5386.8	5891.8	6367.4	6821.0	7253.0
5°	2290.5	2736.0	3216.2	3733.5	4253.9	4768.8	5270.5	5773.0	6236.0	6693.8	7127.4
2.5°	2240.6	2674.2	3152.9	3645.1	4150.5	4660.0	5144.8	5637.9	6112.6	6552.6	6979.8
0°	2181.0	2601.0	3076.4	3540.3	4029.6	4532.7	4998.9	5481.2	5975.1	6390.6	6808.3
-2.5°	2116.0	2513.3	2964.9	3426.5	3899.4	4392.8	4870.8	5328.1	5811.1	6231.0	6657.6
-5°	2043.2	2416.5	2841.8	3298.2	3753.9	4234.8	4721.8	5156.6	5618.0	6033.2	6452.8
-7.5°	1963.6	2312.0	2708.6	3154.0	3588.1	4041.8	4502.9	4921.3	5369.8	5780.5	6189.2
-10°	1879.5	2208.9	2579.1	2991.0	3400.3	3823.2	4256.3	4666.0	5097.2	5506.3	5899.6
-12.5°	1799.0	2107.3	2445.7	2820.2	3202.2	3592.9	3995.7	4391.1	4800.3	5211.2	5578.9
-15°	1714.7	2000.5	2307.8	2643.5	2995.3	3352.8	3722.8	4097.0	4481.0	4883.1	5222.7
-17.5°	1627.4	1889.5	2167.1	2462.9	2781.1	3104.8	3445.0	3806.2	4157.6	4523.8	4852.3
-20°	1538.1	1775.2	2025.2	2280.1	2562.8	2873.2	3191.4	3515.6	3834.9	4153.9	4462.3



REPORT NUMBER: P559082 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1447.6	1658.5	1886.0	2110.3	2379.2	2659.5	2938.6	3220.0	3506.5	3781.1	4073.0
-25°	1360.1	1550.1	1751.1	1969.1	2199.9	2447.0	2686.9	2924.7	3178.8	3436.2	3687.5
-27.5°	1275.8	1443.5	1633.2	1827.6	2019.9	2239.9	2449.8	2651.4	2873.1	3100.2	3303.1
-30°	1191.3	1350.6	1516.7	1689.2	1858.4	2042.0	2223.5	2400.3	2580.9	2775.4	2951.2
-32.5°	1112.9	1258.3	1409.5	1560.7	1704.3	1846.7	2014.5	2171.5	2319.4	2457.8	2611.3
-35°	1041.3	1174.6	1306.0	1436.4	1554.7	1679.9	1820.2	1952.5	2071.1	2182.4	2299.6
-37.5°	973.7	1092.4	1203.1	1319.7	1424.8	1532.0	1635.3	1749.8	1845.9	1934.9	2031.0
-40°	905.9	1012.0	1111.8	1209.1	1305.5	1395.1	1483.1	1561.1	1638.4	1723.9	1790.1
-42.5°	839.3	937.8	1027.0	1101.7	1192.6	1269.8	1338.2	1402.8	1466.0	1532.7	1585.7
-45°	780.4	864.3	945.7	1017.2	1085.4	1151.2	1209.2	1259.9	1319.8	1366.1	1406.2
-47.5°	721.0	793.7	868.1	934.1	991.1	1044.6	1087.8	1138.7	1187.8	1227.5	1250.8
-50°	662.5	729.0	792.0	853.5	905.2	948.1	985.4	1027.3	1068.1	1101.8	1124.1
-52.5°	608.6	664.2	722.6	775.0	822.6	861.0	896.5	933.0	962.9	986.0	1015.2
-55°	555.4	606.6	655.3	702.4	743.1	778.3	813.1	845.5	871.1	891.1	915.1
-57.5°	505.5	551.6	594.1	633.6	670.1	700.4	734.3	762.0	785.8	804.5	829.4
-60°	456.7	498.0	536.7	571.1	601.1	631.0	658.6	684.0	704.7	723.3	746.1
-62.5°	408.3	445.6	480.4	512.0	539.3	564.0	589.0	610.6	627.9	647.2	666.1
-65°	363.0	394.4	424.9	453.7	479.4	503.0	523.5	541.0	557.3	574.4	589.6
-67.5°	317.8	347.1	372.7	395.5	419.3	442.1	461.1	477.3	491.0	504.9	517.6
-70°	277.3	300.6	323.9	344.5	362.7	381.7	400.2	415.4	427.5	438.5	448.9
-72.5°	237.4	258.1	277.4	295.2	311.6	326.9	341.4	355.2	366.5	375.1	382.6
-75°	199.7	215.7	232.3	247.9	261.3	273.1	284.3	295.3	304.5	311.9	317.8
-77.5°	163.4	177.0	189.7	201.6	211.3	220.7	229.4	237.3	244.4	250.0	254.1
-80°	128.3	138.1	148.5	158.2	165.7	172.0	177.5	182.3	187.5	192.9	197.6
-82.5°	95.5	102.6	109.4	116.1	121.3	125.7	129.5	133.1	136.9	140.4	143.4
-85°	62.8	66.9	71.1	75.1	79.1	82.6	85.6	88.1	90.2	92.0	93.4
-87.5°	31.4	33.4	35.3	37.1	39.0	40.8	42.5	44.1	45.1	46.0	46.7
-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: P559082 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WAF-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°	35.9	36.0	35.9	35.8	35.5	34.1	32.5	30.8	29.0	29.8	30.7
85°	105.8	106.2	105.9	104.8	103.1	103.0	102.7	102.0	101.1	102.6	103.9
82.5°	199.1	200.6	200.8	199.9	197.9	198.7	199.1	198.7	197.5	198.9	199.8
80°	311.2	314.1	314.3	312.2	307.9	308.5	308.8	308.0	305.9	306.4	306.3
77.5°	443.3	450.2	452.6	451.6	447.3	446.1	443.1	437.0	428.1	428.0	428.2
75°	611.8	618.9	622.5	622.2	618.2	615.5	611.6	604.7	594.8	594.4	594.4
72.5°	797.8	808.1	812.7	816.9	816.9	815.4	810.4	800.0	784.7	782.9	784.8
70°	1003.3	1020.6	1031.5	1039.9	1046.6	1048.0	1044.7	1036.4	1023.0	1019.5	1018.4
67.5°	1232.1	1259.7	1280.6	1294.5	1307.6	1317.1	1320.7	1316.9	1306.1	1302.5	1303.9
65°	1488.5	1531.1	1566.3	1592.7	1610.4	1622.9	1633.8	1640.3	1641.9	1645.7	1650.8
62.5°	1788.0	1840.4	1889.4	1922.8	1939.9	1952.0	1987.2	2007.5	2013.3	2014.6	2022.3
60°	2122.5	2188.7	2249.8	2298.9	2338.5	2368.5	2398.5	2418.3	2425.7	2427.2	2437.9
57.5°	2488.3	2571.4	2642.9	2718.9	2771.9	2802.6	2842.6	2883.9	2905.4	2911.6	2936.9
55°	2892.9	3006.3	3099.1	3180.4	3254.4	3319.5	3374.6	3417.1	3448.5	3467.4	3500.9
52.5°	3340.3	3473.6	3570.7	3666.1	3772.2	3847.0	3895.9	3974.6	4031.4	4062.8	4102.8
50°	3831.6	3980.2	4112.3	4212.4	4335.9	4438.0	4512.6	4587.0	4639.0	4668.9	4707.6
47.5°	4390.9	4573.8	4727.2	4820.0	4963.3	5083.7	5132.2	5188.4	5286.5	5333.7	5375.1
45°	5020.6	5253.9	5424.3	5569.5	5692.7	5827.7	5916.1	5980.0	6076.6	6125.1	6155.7
42.5°	5769.8	6029.4	6253.9	6428.1	6531.7	6706.9	6834.6	6870.5	7007.4	7100.3	7127.6
40°	6610.1	6897.8	7194.0	7392.6	7559.4	7737.2	7947.9	8065.3	8181.1	8272.1	8292.7
37.5°	7485.6	7870.9	8208.9	8465.3	8741.0	9003.3	9226.7	9348.5	9424.5	9598.7	9663.7
35°	8375.8	8773.3	9246.8	9645.3	9979.3	10303.3	10558.2	10758.9	10950.0	11106.8	11200.7
32.5°	9133.8	9561.6	10146.2	10742.8	11103.5	11454.4	11873.0	12102.6	12357.6	12564.2	12715.0
30°	9756.7	10163.4	10695.6	11444.4	11938.3	12293.9	12823.6	13141.1	13418.8	13768.9	13890.8
27.5°	9786.2	10421.8	10892.5	11537.4	12278.6	12639.5	13031.6	13608.6	13783.7	14283.0	14354.9
25°	9529.3	10196.7	10680.4	11218.7	11834.9	12274.0	12632.1	13111.9	13363.2	13684.3	13930.9
22.5°	9127.6	9715.7	10209.2	10665.6	11146.5	11546.3	11873.6	12210.9	12486.6	12735.7	12967.1
20°	8683.9	9242.2	9710.1	10102.6	10483.7	10854.3	11148.7	11432.0	11670.5	11884.3	12016.0
17.5°	8371.4	8773.1	9251.2	9653.2	9983.6	10274.5	10579.1	10816.2	11025.4	11217.9	11338.2
15°	8158.0	8540.0	8880.4	9249.4	9597.6	9874.9	10104.1	10348.8	10529.6	10695.3	10825.7
12.5°	7936.6	8330.2	8686.4	8993.7	9266.3	9569.1	9814.2	10006.6	10196.3	10326.4	10460.4
10°	7751.6	8119.9	8489.4	8813.8	9100.6	9350.2	9582.3	9798.1	9968.3	10114.2	10219.8
7.5°	7644.3	8005.4	8337.5	8648.8	8928.3	9194.3	9433.6	9631.5	9800.2	9951.2	10061.7
5°	7519.8	7877.2	8208.7	8526.9	8795.4	9050.9	9289.3	9492.9	9667.5	9802.0	9907.8
2.5°	7377.1	7729.7	8060.3	8383.7	8652.2	8898.7	9124.3	9322.8	9504.7	9632.8	9722.9
0°	7214.5	7567.6	7890.7	8195.3	8465.4	8730.8	8938.5	9139.3	9317.0	9443.9	9533.9
-2.5°	7050.5	7401.4	7735.8	8027.8	8295.8	8540.9	8761.9	8951.6	9121.2	9247.6	9326.7
-5°	6832.5	7181.2	7511.3	7805.5	8085.4	8331.4	8546.4	8739.2	8902.7	9040.5	9147.6
-7.5°	6568.5	6921.2	7250.9	7551.3	7829.9	8062.3	8268.7	8463.0	8637.5	8788.1	8920.0
-10°	6278.2	6627.1	6938.6	7219.9	7479.5	7715.9	7935.4	8127.4	8287.3	8434.8	8545.8
-12.5°	5940.2	6263.2	6567.9	6845.2	7099.0	7335.7	7544.5	7727.3	7888.3	8019.0	8119.1
-15°	5567.2	5873.8	6162.4	6445.8	6711.5	6944.6	7128.3	7321.0	7460.6	7587.4	7677.5
-17.5°	5168.1	5464.5	5768.2	6052.3	6297.5	6527.5	6729.6	6905.7	7052.2	7168.5	7270.1
-20°	4763.7	5065.6	5357.7	5628.5	5864.5	6077.6	6282.3	6451.5	6601.5	6728.0	6847.2



REPORT NUMBER: P559082 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4357.5	4634.4	4908.6	5173.5	5396.7	5598.2	5777.4	5939.2	6071.7	6220.8	6326.1
-25°	3940.2	4182.9	4430.5	4664.5	4875.4	5073.5	5236.0	5377.8	5515.9	5660.0	5762.6
-27.5°	3520.9	3735.5	3936.6	4143.6	4328.5	4500.0	4650.8	4775.0	4909.0	5005.1	5118.0
-30°	3106.2	3300.9	3468.7	3612.7	3786.5	3933.7	4051.1	4174.4	4285.2	4377.0	4472.1
-32.5°	2755.1	2888.2	3022.2	3142.7	3258.3	3379.3	3473.8	3581.5	3657.4	3736.5	3813.3
-35°	2417.7	2520.2	2609.2	2721.8	2808.5	2874.4	2953.2	3032.2	3062.5	3148.6	3194.4
-37.5°	2112.1	2179.3	2262.4	2340.9	2405.2	2454.4	2524.6	2566.0	2587.8	2643.4	2673.3
-40°	1850.5	1893.0	1970.5	2024.1	2062.8	2098.5	2156.9	2183.8	2213.5	2241.2	2242.0
-42.5°	1620.4	1675.1	1727.7	1769.7	1794.1	1834.9	1862.4	1865.5	1904.0	1928.6	1932.4
-45°	1432.3	1487.8	1529.4	1560.4	1584.7	1619.8	1637.5	1647.4	1678.8	1695.6	1702.9
-47.5°	1287.7	1326.5	1362.6	1386.4	1418.4	1444.4	1457.4	1473.9	1498.0	1513.3	1524.3
-50°	1160.6	1191.4	1218.8	1240.6	1272.5	1295.6	1308.0	1328.4	1346.4	1357.5	1366.1
-52.5°	1048.8	1076.3	1095.3	1116.5	1143.0	1163.5	1179.3	1199.4	1214.4	1224.2	1231.8
-55°	944.2	970.0	988.5	1011.7	1030.6	1044.3	1057.8	1077.5	1092.2	1102.1	1108.6
-57.5°	851.9	871.2	889.4	910.5	928.4	943.3	955.4	966.3	975.9	984.1	990.5
-60°	765.4	781.2	797.9	814.3	827.9	838.6	851.5	861.4	867.6	871.5	876.7
-62.5°	682.2	696.5	711.2	724.5	735.3	744.3	754.7	762.9	768.6	772.7	775.8
-65°	603.2	615.4	628.0	639.0	648.3	656.2	663.5	669.2	673.3	676.7	679.4
-67.5°	529.3	539.0	547.7	555.3	562.4	569.0	575.5	579.9	582.2	585.0	587.9
-70°	457.9	465.6	471.5	476.0	480.2	485.5	491.6	496.0	498.5	501.2	503.7
-72.5°	388.9	394.6	399.3	403.1	405.4	408.8	413.1	416.6	419.3	421.3	422.3
-75°	322.5	327.1	331.3	334.3	336.0	338.4	340.6	341.8	341.9	342.9	343.5
-77.5°	257.6	262.1	266.1	268.9	270.5	272.5	274.1	275.0	275.2	275.3	274.7
-80°	201.1	204.2	206.8	208.7	210.0	211.4	212.2	212.3	211.9	212.3	212.5
-82.5°	146.1	148.9	151.1	152.8	154.0	155.4	156.5	157.3	157.8	158.0	157.8
-85°	94.6	95.8	97.0	98.2	99.1	99.8	100.1	100.2	100.0	100.1	99.9
-87.5°	47.3	46.7	46.0	45.1	44.0	44.3	44.5	44.6	44.6	45.1	45.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559082 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WAF-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°	31.5	32.2	30.0	27.7	30.0	32.2	31.5	30.7	29.8	29.0	30.8
85°	104.9	105.6	103.7	101.5	103.7	105.6	104.9	103.9	102.6	101.1	102.0
82.5°	200.1	199.7	198.2	196.2	198.2	199.7	200.1	199.8	198.9	197.5	198.7
80°	305.2	303.1	301.9	300.0	301.9	303.1	305.2	306.3	306.4	305.9	308.0
77.5°	427.2	424.9	428.6	431.6	428.6	424.9	427.2	428.2	428.0	428.1	437.0
75°	592.2	587.6	583.2	577.0	583.2	587.6	592.2	594.4	594.4	594.8	604.7
72.5°	783.9	780.3	776.8	770.8	776.8	780.3	783.9	784.8	782.9	784.7	800.0
70°	1012.3	1001.6	1003.3	1003.9	1003.3	1001.6	1012.3	1018.4	1019.5	1023.0	1036.4
67.5°	1299.7	1290.0	1291.2	1290.1	1291.2	1290.0	1299.7	1303.9	1302.5	1306.1	1316.9
65°	1647.7	1636.7	1623.5	1604.0	1623.5	1636.7	1647.7	1650.8	1645.7	1641.9	1640.3
62.5°	2021.3	2011.6	2017.2	2021.7	2017.2	2011.6	2021.3	2022.3	2014.6	2013.3	2007.5
60°	2436.1	2422.5	2415.8	2404.8	2415.8	2422.5	2436.1	2437.9	2427.2	2425.7	2418.3
57.5°	2948.5	2946.0	2940.0	2924.1	2940.0	2946.0	2948.5	2936.9	2911.6	2905.4	2883.9
55°	3516.7	3513.5	3526.6	3542.6	3526.6	3513.5	3516.7	3500.9	3467.4	3448.5	3417.1
52.5°	4132.3	4142.7	4139.0	4117.3	4139.0	4142.7	4132.3	4102.8	4062.8	4031.4	3974.6
50°	4741.7	4753.4	4765.8	4777.3	4765.8	4753.4	4741.7	4707.6	4668.9	4639.0	4587.0
47.5°	5432.4	5463.1	5468.5	5446.6	5468.5	5463.1	5432.4	5375.1	5333.7	5286.5	5188.4
45°	6217.0	6235.6	6245.0	6263.6	6245.0	6235.6	6217.0	6155.7	6125.1	6076.6	5980.0
42.5°	7206.4	7227.8	7231.2	7251.4	7231.2	7227.8	7206.4	7127.6	7100.3	7007.4	6870.5
40°	8380.6	8415.4	8409.4	8400.7	8409.4	8415.4	8380.6	8292.7	8272.1	8181.1	8065.3
37.5°	9755.2	9814.3	9820.5	9857.0	9820.5	9814.3	9755.2	9663.7	9598.7	9424.5	9348.5
35°	11297.9	11367.5	11355.4	11373.3	11355.4	11367.5	11297.9	11200.7	11106.8	10950.0	10758.9
32.5°	12854.0	12958.4	12979.4	13067.3	12979.4	12958.4	12854.0	12715.0	12564.2	12357.6	12102.6
30°	14076.6	14222.9	14318.4	14311.3	14318.4	14222.9	14076.6	13890.8	13768.9	13418.8	13141.1
27.5°	14583.0	14772.6	14950.1	15003.6	14950.1	14772.6	14583.0	14354.9	14283.0	13783.7	13608.6
25°	14088.9	14227.4	14384.1	14468.2	14384.1	14227.4	14088.9	13930.9	13684.3	13363.2	13111.9
22.5°	13073.6	13163.7	13217.1	13173.5	13217.1	13163.7	13073.6	12967.1	12735.7	12486.6	12210.9
20°	12152.2	12266.3	12287.4	12333.4	12287.4	12266.3	12152.2	12016.0	11884.3	11670.5	11432.0
17.5°	11466.5	11541.2	11585.0	11594.9	11585.0	11541.2	11466.5	11338.2	11217.9	11025.4	10816.2
15°	10929.1	10988.9	11028.2	11045.6	11028.2	10988.9	10929.1	10825.7	10695.3	10529.6	10348.8
12.5°	10548.2	10621.2	10656.9	10678.6	10656.9	10621.2	10548.2	10460.4	10326.4	10196.3	10006.6
10°	10304.1	10374.4	10402.8	10413.2	10402.8	10374.4	10304.1	10219.8	10114.2	9968.3	9798.1
7.5°	10128.6	10173.8	10192.9	10207.8	10192.9	10173.8	10128.6	10061.7	9951.2	9800.2	9631.5
5°	9987.1	10023.1	10043.3	10064.7	10043.3	10023.1	9987.1	9907.8	9802.0	9667.5	9492.9
2.5°	9794.6	9846.0	9881.6	9903.2	9881.6	9846.0	9794.6	9722.9	9632.8	9504.7	9322.8
0°	9605.5	9653.9	9679.3	9720.8	9679.3	9653.9	9605.5	9533.9	9443.9	9317.0	9139.3
-2.5°	9397.5	9453.6	9520.3	9584.7	9520.3	9453.6	9397.5	9326.7	9247.6	9121.2	8951.6
-5°	9238.4	9312.6	9326.5	9367.7	9326.5	9312.6	9238.4	9147.6	9040.5	8902.7	8739.2
-7.5°	8998.5	9032.3	9089.8	9100.0	9089.8	9032.3	8998.5	8920.0	8788.1	8637.5	8463.0
-10°	8628.8	8683.7	8719.6	8756.1	8719.6	8683.7	8628.8	8545.8	8434.8	8287.3	8127.4
-12.5°	8194.3	8258.9	8316.5	8308.4	8316.5	8258.9	8194.3	8119.1	8019.0	7888.3	7727.3
-15°	7771.0	7833.3	7873.0	7867.6	7873.0	7833.3	7771.0	7677.5	7587.4	7460.6	7321.0
-17.5°	7350.8	7407.8	7465.1	7463.7	7465.1	7407.8	7350.8	7270.1	7168.5	7052.2	6905.7
-20°	6916.9	6965.7	7027.1	7052.9	7027.1	6965.7	6916.9	6847.2	6728.0	6601.5	6451.5



REPORT NUMBER: P559082 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6415.3	6477.7	6522.4	6549.8	6522.4	6477.7	6415.3	6326.1	6220.8	6071.7	5939.2
-25°	5830.6	5894.6	5928.6	5940.5	5928.6	5894.6	5830.6	5762.6	5660.0	5515.9	5377.8
-27.5°	5184.5	5256.4	5291.2	5273.5	5291.2	5256.4	5184.5	5118.0	5005.1	4909.0	4775.0
-30°	4522.1	4568.1	4573.4	4613.5	4573.4	4568.1	4522.1	4472.1	4377.0	4285.2	4174.4
-32.5°	3868.4	3899.3	3881.8	3884.2	3881.8	3899.3	3868.4	3813.3	3736.5	3657.4	3581.5
-35°	3223.0	3247.6	3252.6	3298.0	3252.6	3247.6	3223.0	3194.4	3148.6	3062.5	3032.2
-37.5°	2704.1	2714.1	2698.9	2677.2	2698.9	2714.1	2704.1	2673.3	2643.4	2587.8	2566.0
-40°	2264.0	2271.7	2266.1	2254.8	2266.1	2271.7	2264.0	2242.0	2241.2	2213.5	2183.8
-42.5°	1947.5	1947.5	1942.4	1940.9	1942.4	1947.5	1947.5	1932.4	1928.6	1904.0	1865.5
-45°	1713.6	1716.0	1715.6	1714.8	1715.6	1716.0	1713.6	1702.9	1695.6	1678.8	1647.4
-47.5°	1532.1	1532.6	1530.2	1525.5	1530.2	1532.6	1532.1	1524.3	1513.3	1498.0	1473.9
-50°	1371.4	1371.4	1374.6	1380.1	1374.6	1371.4	1371.4	1366.1	1357.5	1346.4	1328.4
-52.5°	1235.8	1235.4	1237.2	1239.3	1237.2	1235.4	1235.8	1231.8	1224.2	1214.4	1199.4
-55°	1111.6	1110.9	1109.3	1105.5	1109.3	1110.9	1111.6	1108.6	1102.1	1092.2	1077.5
-57.5°	992.8	991.5	988.5	983.2	988.5	991.5	992.8	990.5	984.1	975.9	966.3
-60°	879.7	880.2	878.7	874.7	878.7	880.2	879.7	876.7	871.5	867.6	861.4
-62.5°	776.5	775.0	774.7	773.1	774.7	775.0	776.5	775.8	772.7	768.6	762.9
-65°	679.9	678.3	678.9	678.5	678.9	678.3	679.9	679.4	676.7	673.3	669.2
-67.5°	589.0	588.5	589.0	588.5	589.0	588.5	589.0	587.9	585.0	582.2	579.9
-70°	505.2	505.4	502.7	498.5	502.7	505.4	505.2	503.7	501.2	498.5	496.0
-72.5°	422.0	420.5	420.7	420.0	420.7	420.5	422.0	422.3	421.3	419.3	416.6
-75°	343.3	342.4	344.6	346.2	344.6	342.4	343.3	343.5	342.9	341.9	341.8
-77.5°	273.3	271.3	273.1	274.6	273.1	271.3	273.3	274.7	275.3	275.2	275.0
-80°	212.2	211.5	211.0	210.0	211.0	211.5	212.2	212.5	212.3	211.9	212.3
-82.5°	157.2	156.3	155.6	154.6	155.6	156.3	157.2	157.8	158.0	157.8	157.3
-85°	99.5	98.8	100.2	101.5	100.2	98.8	99.5	99.9	100.1	100.0	100.2
-87.5°	45.8	46.0	45.0	43.8	45.0	46.0	45.8	45.5	45.1	44.6	44.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559082 (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°	32.5	34.1	35.5	35.8	35.9	36.0	35.9	35.7	35.4	34.9	34.3
85°	102.7	103.0	103.1	104.8	105.9	106.2	105.8	104.0	101.5	98.3	94.4
82.5°	199.1	198.7	197.9	199.9	200.8	200.6	199.1	195.2	190.1	183.8	176.3
80°	308.8	308.5	307.9	312.2	314.3	314.1	311.2	304.2	294.9	285.4	275.9
77.5°	443.1	446.1	447.3	451.6	452.6	450.2	443.3	432.5	423.2	410.9	394.7
75°	611.6	615.5	618.2	622.2	622.5	618.9	611.8	598.8	581.6	560.1	531.4
72.5°	810.4	815.4	816.9	816.9	812.7	808.1	797.8	780.4	757.9	730.0	692.0
70°	1044.7	1048.0	1046.6	1039.9	1031.5	1020.6	1003.3	978.8	947.5	914.7	868.2
67.5°	1320.7	1317.1	1307.6	1294.5	1280.6	1259.7	1232.1	1196.9	1160.8	1119.6	1057.0
65°	1633.8	1622.9	1610.4	1592.7	1566.3	1531.1	1488.5	1444.0	1396.8	1339.4	1260.3
62.5°	1987.2	1952.0	1939.9	1922.8	1889.4	1840.4	1788.0	1731.6	1661.1	1578.9	1499.4
60°	2398.5	2368.5	2338.5	2298.9	2249.8	2188.7	2122.5	2046.0	1959.3	1867.7	1761.4
57.5°	2842.6	2802.6	2771.9	2718.9	2642.9	2571.4	2488.3	2382.8	2278.8	2172.8	2045.7
55°	3374.6	3319.5	3254.4	3180.4	3099.1	3006.3	2892.9	2769.7	2642.6	2496.4	2361.0
52.5°	3895.9	3847.0	3772.2	3666.1	3570.7	3473.6	3340.3	3196.0	3052.3	2900.7	2710.6
50°	4512.6	4438.0	4335.9	4212.4	4112.3	3980.2	3831.6	3656.4	3506.8	3333.5	3124.0
47.5°	5132.2	5083.7	4963.3	4820.0	4727.2	4573.8	4390.9	4194.8	4029.6	3793.8	3565.5
45°	5916.1	5827.7	5692.7	5569.5	5424.3	5253.9	5020.6	4833.2	4612.4	4354.9	4024.1
42.5°	6834.6	6706.9	6531.7	6428.1	6253.9	6029.4	5769.8	5533.8	5258.4	4957.4	4577.3
40°	7947.9	7737.2	7559.4	7392.6	7194.0	6897.8	6610.1	6295.8	5966.6	5596.2	5101.6
37.5°	9226.7	9003.3	8741.0	8465.3	8208.9	7870.9	7485.6	7115.7	6719.8	6162.9	5598.9
35°	10558.2	10303.3	9979.3	9645.3	9246.8	8773.3	8375.8	7939.4	7398.9	6676.2	6059.0
32.5°	11873.0	11454.4	11103.5	10742.8	10146.2	9561.6	9133.8	8746.1	7828.2	7082.4	6463.2
30°	12823.6	12293.9	11938.3	11444.4	10695.6	10163.4	9756.7	8951.9	8097.6	7365.7	6778.1
27.5°	13031.6	12639.5	12278.6	11537.4	10892.5	10421.8	9786.2	8965.8	8189.0	7500.3	6931.4
25°	12632.1	12274.0	11834.9	11218.7	10680.4	10196.7	9529.3	8786.3	8089.2	7482.0	6843.4
22.5°	11873.6	11546.3	11146.5	10665.6	10209.2	9715.7	9127.6	8483.6	7883.9	7315.5	6697.3
20°	11148.7	10854.3	10483.7	10102.6	9710.1	9242.2	8683.9	8157.4	7669.4	7118.9	6521.8
17.5°	10579.1	10274.5	9983.6	9653.2	9251.2	8773.1	8371.4	7937.6	7455.4	6908.5	6321.6
15°	10104.1	9874.9	9597.6	9249.4	8880.4	8540.0	8158.0	7714.4	7234.0	6681.1	6134.6
12.5°	9814.2	9569.1	9266.3	8993.7	8686.4	8330.2	7936.6	7484.1	7024.7	6561.7	6071.6
10°	9582.3	9350.2	9100.6	8813.8	8489.4	8119.9	7751.6	7358.4	6930.6	6476.1	5991.1
7.5°	9433.6	9194.3	8928.3	8648.8	8337.5	8005.4	7644.3	7253.0	6821.0	6367.4	5891.8
5°	9289.3	9050.9	8795.4	8526.9	8208.7	7877.2	7519.8	7127.4	6693.8	6236.0	5773.0
2.5°	9124.3	8898.7	8652.2	8383.7	8060.3	7729.7	7377.1	6979.8	6552.6	6112.6	5637.9
0°	8938.5	8730.8	8465.4	8195.3	7890.7	7567.6	7214.5	6808.3	6390.6	5975.1	5481.2
-2.5°	8761.9	8540.9	8295.8	8027.8	7735.8	7401.4	7050.5	6657.6	6231.0	5811.1	5328.1
-5°	8546.4	8331.4	8085.4	7805.5	7511.3	7181.2	6832.5	6452.8	6033.2	5618.0	5156.6
-7.5°	8268.7	8062.3	7829.9	7551.3	7250.9	6921.2	6568.5	6189.2	5780.5	5369.8	4921.3
-10°	7935.4	7715.9	7479.5	7219.9	6938.6	6627.1	6278.2	5899.6	5506.3	5097.2	4666.0
-12.5°	7544.5	7335.7	7099.0	6845.2	6567.9	6263.2	5940.2	5578.9	5211.2	4800.3	4391.1
-15°	7128.3	6944.6	6711.5	6445.8	6162.4	5873.8	5567.2	5222.7	4883.1	4481.0	4097.0
-17.5°	6729.6	6527.5	6297.5	6052.3	5768.2	5464.5	5168.1	4852.3	4523.8	4157.6	3806.2
-20°	6282.3	6077.6	5864.5	5628.5	5357.7	5065.6	4763.7	4462.3	4153.9	3834.9	3515.6



REPORT NUMBER: P559082 (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°
-22.5°	5777.4	5598.2	5396.7	5173.5	4908.6	4634.4	4357.5	4073.0	3781.1	3506.5	3220.0
-25°	5236.0	5073.5	4875.4	4664.5	4430.5	4182.9	3940.2	3687.5	3436.2	3178.8	2924.7
-27.5°	4650.8	4500.0	4328.5	4143.6	3936.6	3735.5	3520.9	3303.1	3100.2	2873.1	2651.4
-30°	4051.1	3933.7	3786.5	3612.7	3468.7	3300.9	3106.2	2951.2	2775.4	2580.9	2400.3
-32.5°	3473.8	3379.3	3258.3	3142.7	3022.2	2888.2	2755.1	2611.3	2457.8	2319.4	2171.5
-35°	2953.2	2874.4	2808.5	2721.8	2609.2	2520.2	2417.7	2299.6	2182.4	2071.1	1952.5
-37.5°	2524.6	2454.4	2405.2	2340.9	2262.4	2179.3	2112.1	2031.0	1934.9	1845.9	1749.8
-40°	2156.9	2098.5	2062.8	2024.1	1970.5	1893.0	1850.5	1790.1	1723.9	1638.4	1561.1
-42.5°	1862.4	1834.9	1794.1	1769.7	1727.7	1675.1	1620.4	1585.7	1532.7	1466.0	1402.8
-45°	1637.5	1619.8	1584.7	1560.4	1529.4	1487.8	1432.3	1406.2	1366.1	1319.8	1259.9
-47.5°	1457.4	1444.4	1418.4	1386.4	1362.6	1326.5	1287.7	1250.8	1227.5	1187.8	1138.7
-50°	1308.0	1295.6	1272.5	1240.6	1218.8	1191.4	1160.6	1124.1	1101.8	1068.1	1027.3
-52.5°	1179.3	1163.5	1143.0	1116.5	1095.3	1076.3	1048.8	1015.2	986.0	962.9	933.0
-55°	1057.8	1044.3	1030.6	1011.7	988.5	970.0	944.2	915.1	891.1	871.1	845.5
-57.5°	955.4	943.3	928.4	910.5	889.4	871.2	851.9	829.4	804.5	785.8	762.0
-60°	851.5	838.6	827.9	814.3	797.9	781.2	765.4	746.1	723.3	704.7	684.0
-62.5°	754.7	744.3	735.3	724.5	711.2	696.5	682.2	666.1	647.2	627.9	610.6
-65°	663.5	656.2	648.3	639.0	628.0	615.4	603.2	589.6	574.4	557.3	541.0
-67.5°	575.5	569.0	562.4	555.3	547.7	539.0	529.3	517.6	504.9	491.0	477.3
-70°	491.6	485.5	480.2	476.0	471.5	465.6	457.9	448.9	438.5	427.5	415.4
-72.5°	413.1	408.8	405.4	403.1	399.3	394.6	388.9	382.6	375.1	366.5	355.2
-75°	340.6	338.4	336.0	334.3	331.3	327.1	322.5	317.8	311.9	304.5	295.3
-77.5°	274.1	272.5	270.5	268.9	266.1	262.1	257.6	254.1	250.0	244.4	237.3
-80°	212.2	211.4	210.0	208.7	206.8	204.2	201.1	197.6	192.9	187.5	182.3
-82.5°	156.5	155.4	154.0	152.8	151.1	148.9	146.1	143.4	140.4	136.9	133.1
-85°	100.1	99.8	99.1	98.2	97.0	95.8	94.6	93.4	92.0	90.2	88.1
-87.5°	44.5	44.3	44.0	45.1	46.0	46.7	47.3	46.7	46.0	45.1	44.1
-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: P559082 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-930-U-WAF-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°	33.5	32.7	31.6	30.5	29.8	28.9	27.7	26.3	24.1	21.7	19.2
85°	89.5	84.0	77.9	71.1	64.6	57.7	55.4	52.6	48.1	43.4	38.5
82.5°	167.0	158.9	150.6	141.1	130.8	119.8	108.3	95.9	80.8	66.3	57.6
80°	263.7	250.1	235.3	219.1	201.1	181.9	166.0	148.8	127.4	106.8	87.0
77.5°	373.7	350.8	326.0	304.8	282.8	259.0	233.4	204.6	173.5	146.9	121.3
75°	496.2	467.4	437.7	405.3	370.9	336.2	305.9	270.5	228.5	187.6	155.1
72.5°	648.7	604.0	557.9	510.5	469.3	426.8	383.2	335.5	286.1	237.9	191.0
70°	812.0	750.3	692.4	635.4	576.1	517.4	466.7	407.6	342.8	287.4	233.5
67.5°	985.8	918.5	844.9	764.0	692.6	623.2	552.1	480.5	408.0	336.0	275.2
65°	1183.3	1098.1	1006.1	917.4	822.7	730.0	650.4	556.0	471.7	392.3	316.0
62.5°	1400.3	1289.1	1189.1	1077.5	966.8	857.5	745.5	639.1	536.2	447.2	361.3
60°	1646.1	1524.2	1383.8	1258.9	1125.4	991.3	858.3	719.5	607.3	500.7	407.8
57.5°	1916.6	1773.3	1623.0	1457.9	1301.2	1142.6	970.9	811.4	675.7	558.8	452.4
55°	2199.4	2038.3	1868.6	1687.0	1493.4	1310.3	1089.3	905.5	745.0	616.3	493.9
52.5°	2516.0	2323.4	2127.6	1922.9	1709.7	1473.2	1220.8	994.2	822.6	671.2	538.0
50°	2880.7	2640.0	2407.6	2172.3	1929.1	1644.6	1343.6	1100.2	895.4	726.7	579.9
47.5°	3296.8	3004.6	2716.6	2434.2	2165.2	1803.7	1478.9	1201.3	963.3	785.8	619.0
45°	3727.6	3405.7	3056.9	2730.2	2357.0	1964.8	1610.6	1294.5	1045.3	837.3	655.0
42.5°	4160.2	3811.8	3437.5	3029.0	2553.9	2117.4	1730.9	1399.2	1120.9	884.6	692.7
40°	4640.6	4216.6	3816.9	3306.4	2733.0	2256.2	1854.7	1497.3	1188.9	932.3	730.5
37.5°	5098.8	4629.9	4190.6	3518.2	2896.8	2398.2	1967.8	1585.2	1251.1	983.8	764.9
35°	5526.5	5030.5	4378.9	3690.5	3059.3	2518.5	2067.9	1668.0	1317.2	1029.2	795.7
32.5°	5916.5	5287.3	4523.2	3824.9	3188.3	2616.7	2158.8	1741.7	1373.7	1068.4	822.9
30°	6182.4	5383.3	4622.3	3922.0	3284.4	2711.8	2232.8	1802.9	1420.8	1101.4	848.2
27.5°	6196.5	5427.9	4675.4	3982.6	3350.5	2781.5	2288.9	1851.5	1458.3	1132.2	874.5
25°	6147.9	5408.3	4683.1	4005.1	3385.5	2838.6	2332.0	1888.0	1492.8	1162.1	896.0
22.5°	6034.3	5338.6	4647.8	3989.9	3423.9	2878.0	2367.7	1919.2	1520.7	1184.6	912.7
20°	5890.8	5225.5	4588.5	4004.7	3443.3	2903.2	2394.5	1939.4	1538.8	1199.9	924.7
17.5°	5715.0	5135.7	4578.5	4002.0	3443.3	2910.7	2406.6	1948.7	1547.3	1208.2	932.3
15°	5634.2	5100.5	4548.5	3980.6	3424.3	2900.9	2404.4	1947.4	1546.7	1209.9	937.5
12.5°	5569.2	5045.1	4499.8	3940.8	3387.1	2874.7	2388.5	1935.8	1537.5	1209.9	941.4
10°	5487.0	4969.6	4432.3	3882.6	3332.3	2832.7	2359.5	1918.2	1532.8	1207.9	941.7
7.5°	5386.8	4874.1	4346.3	3806.5	3266.4	2785.8	2329.8	1898.6	1523.1	1200.8	938.4
5°	5270.5	4768.8	4253.9	3733.5	3216.2	2736.0	2290.5	1869.5	1506.9	1188.8	931.8
2.5°	5144.8	4660.0	4150.5	3645.1	3152.9	2674.2	2240.6	1831.7	1484.6	1172.3	922.1
0°	4998.9	4532.7	4029.6	3540.3	3076.4	2601.0	2181.0	1786.3	1456.3	1151.6	909.3
-2.5°	4870.8	4392.8	3899.4	3426.5	2964.9	2513.3	2116.0	1740.6	1424.9	1131.2	895.9
-5°	4721.8	4234.8	3753.9	3298.2	2841.8	2416.5	2043.2	1688.9	1388.6	1107.3	879.9
-7.5°	4502.9	4041.8	3588.1	3154.0	2708.6	2312.0	1963.6	1632.0	1347.7	1080.1	861.5
-10°	4256.3	3823.2	3400.3	2991.0	2579.1	2208.9	1879.5	1570.6	1302.8	1049.8	840.8
-12.5°	3995.7	3592.9	3202.2	2820.2	2445.7	2107.3	1799.0	1510.3	1255.0	1016.8	818.1
-15°	3722.8	3352.8	2995.3	2643.5	2307.8	2000.5	1714.7	1448.8	1208.0	983.0	793.6
-17.5°	3445.0	3104.8	2781.1	2462.9	2167.1	1889.5	1627.4	1384.2	1158.3	949.2	769.1
-20°	3191.4	2873.2	2562.8	2280.1	2025.2	1775.2	1538.1	1316.9	1106.4	913.6	744.2



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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°	2938.6	2659.5	2379.2	2110.3	1886.0	1658.5	1447.6	1247.6	1052.7	876.3	717.6
-25°	2686.9	2447.0	2199.9	1969.1	1751.1	1550.1	1360.1	1176.6	997.7	837.8	689.3
-27.5°	2449.8	2239.9	2019.9	1827.6	1633.2	1443.5	1275.8	1109.2	944.4	798.2	659.6
-30°	2223.5	2042.0	1858.4	1689.2	1516.7	1350.6	1191.3	1042.0	895.8	759.9	628.5
-32.5°	2014.5	1846.7	1704.3	1560.7	1409.5	1258.3	1112.9	975.1	847.0	721.8	599.5
-35°	1820.2	1679.9	1554.7	1436.4	1306.0	1174.6	1041.3	908.9	798.1	682.5	570.9
-37.5°	1635.3	1532.0	1424.8	1319.7	1203.1	1092.4	973.7	854.2	749.5	642.3	541.6
-40°	1483.1	1395.1	1305.5	1209.1	1111.8	1012.0	905.9	802.4	702.2	601.1	511.9
-42.5°	1338.2	1269.8	1192.6	1101.7	1027.0	937.8	839.3	749.7	656.4	564.0	481.8
-45°	1209.2	1151.2	1085.4	1017.2	945.7	864.3	780.4	696.6	610.6	529.2	452.6
-47.5°	1087.8	1044.6	991.1	934.1	868.1	793.7	721.0	645.9	564.7	494.3	424.7
-50°	985.4	948.1	905.2	853.5	792.0	729.0	662.5	595.4	526.2	459.9	396.2
-52.5°	896.5	861.0	822.6	775.0	722.6	664.2	608.6	545.9	486.9	426.6	367.2
-55°	813.1	778.3	743.1	702.4	655.3	606.6	555.4	502.0	447.0	393.5	338.2
-57.5°	734.3	700.4	670.1	633.6	594.1	551.6	505.5	457.5	408.9	359.8	312.3
-60°	658.6	631.0	601.1	571.1	536.7	498.0	456.7	413.7	371.0	326.5	286.2
-62.5°	589.0	564.0	539.3	512.0	480.4	445.6	408.3	371.8	332.7	296.6	259.6
-65°	523.5	503.0	479.4	453.7	424.9	394.4	363.0	329.6	298.1	266.3	232.9
-67.5°	461.1	442.1	419.3	395.5	372.7	347.1	317.8	291.0	264.2	235.7	206.6
-70°	400.2	381.7	362.7	344.5	323.9	300.6	277.3	253.9	230.1	206.3	180.1
-72.5°	341.4	326.9	311.6	295.2	277.4	258.1	237.4	217.2	198.2	177.0	153.4
-75°	284.3	273.1	261.3	247.9	232.3	215.7	199.7	183.2	166.3	147.5	129.8
-77.5°	229.4	220.7	211.3	201.6	189.7	177.0	163.4	149.3	135.5	121.8	107.2
-80°	177.5	172.0	165.7	158.2	148.5	138.1	128.3	118.3	107.7	96.4	84.4
-82.5°	129.5	125.7	121.3	116.1	109.4	102.6	95.5	88.2	79.9	71.0	62.3
-85°	85.6	82.6	79.1	75.1	71.1	66.9	62.8	58.4	52.9	47.3	41.6
-87.5°	42.5	40.8	39.0	37.1	35.3	33.4	31.4	29.2	26.5	23.7	20.8
-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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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°	16.7	14.1	11.4	8.7	5.8	2.9	0.0
85°	33.4	28.2	22.8	17.3	11.6	5.7	0.0
82.5°	50.0	42.2	34.2	25.9	17.4	8.6	0.0
80°	68.1	56.2	45.5	34.5	23.2	11.4	0.0
77.5°	96.7	73.3	56.7	43.0	28.9	14.2	0.0
75°	125.0	96.1	69.0	51.4	34.5	17.0	0.0
72.5°	152.8	118.6	86.4	59.7	40.1	19.7	0.0
70°	181.1	140.7	103.6	68.8	45.6	22.5	0.0
67.5°	215.7	162.3	120.3	81.0	51.0	25.1	0.0
65°	249.4	186.3	136.7	92.9	56.3	27.7	0.0
62.5°	281.9	212.4	152.7	104.6	61.5	30.3	0.0
60°	313.3	237.6	168.2	115.9	66.5	32.8	0.0
57.5°	348.7	261.9	186.8	126.9	73.7	35.2	0.0
55°	383.1	285.1	204.8	137.6	80.6	37.6	0.0
52.5°	415.7	307.9	222.1	147.8	87.3	39.9	0.0
50°	446.4	332.8	238.5	157.6	93.8	42.1	0.0
47.5°	475.6	356.3	254.0	167.5	100.1	44.2	0.0
45°	506.1	378.2	268.7	178.4	106.0	46.2	0.0
42.5°	534.3	398.4	282.3	188.7	111.7	48.2	0.0
40°	559.9	417.1	296.2	198.5	117.2	50.0	0.0
37.5°	583.1	434.0	310.1	207.7	122.3	51.8	0.0
35°	603.7	450.9	322.8	216.4	127.1	53.5	0.0
32.5°	623.5	466.8	334.2	224.5	131.6	55.0	0.0
30°	644.8	480.7	344.4	231.9	135.8	56.4	0.0
27.5°	663.2	492.7	354.1	238.7	139.7	57.8	0.0
25°	678.7	502.8	362.6	244.8	143.2	59.0	0.0
22.5°	691.3	511.6	370.0	250.3	146.4	60.1	0.0
20°	701.2	520.3	376.1	255.2	149.3	61.1	0.0
17.5°	710.0	527.5	381.1	259.4	151.8	61.9	0.0
15°	717.2	533.2	384.9	262.9	153.9	62.7	0.0
12.5°	721.6	537.4	387.6	265.7	155.7	63.3	0.0
10°	723.3	540.0	389.2	267.9	157.1	63.8	0.0
7.5°	722.5	541.1	389.7	269.4	158.2	64.2	0.0
5°	719.3	540.7	389.3	270.2	158.9	64.5	0.0
2.5°	713.8	538.8	387.8	270.4	159.2	64.6	0.0
0°	706.2	535.4	385.4	270.0	159.2	64.6	0.0
-2.5°	698.1	530.3	383.5	268.8	158.8	64.7	0.0
-5°	688.1	523.9	380.8	266.9	158.1	64.7	0.0
-7.5°	676.2	516.2	377.2	264.5	157.0	64.5	0.0
-10°	662.7	507.3	372.7	261.4	155.6	64.2	0.0
-12.5°	647.5	497.3	367.4	257.8	153.8	63.8	0.0
-15°	630.7	486.3	361.3	253.6	151.7	63.3	0.0
-17.5°	612.4	474.4	354.3	248.9	149.4	62.6	0.0
-20°	593.6	461.6	346.6	243.6	146.7	61.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	574.6	448.1	338.1	237.8	143.7	60.9	0.0
-25°	554.6	434.6	328.8	231.6	140.4	59.9	0.0
-27.5°	533.5	420.5	318.8	224.8	136.9	58.7	0.0
-30°	511.4	405.5	308.1	217.7	133.0	57.4	0.0
-32.5°	488.5	389.7	297.1	210.1	129.0	56.0	0.0
-35°	467.1	373.1	285.4	202.0	124.7	54.5	0.0
-37.5°	446.0	356.3	273.3	193.6	120.1	52.9	0.0
-40°	424.0	340.2	260.6	184.9	115.4	51.2	0.0
-42.5°	401.4	323.6	247.9	175.8	110.4	49.3	0.0
-45°	378.1	306.5	235.4	166.4	105.2	47.4	0.0
-47.5°	354.1	288.8	222.4	156.6	99.9	45.4	0.0
-50°	332.1	270.8	208.9	147.9	94.3	43.2	0.0
-52.5°	310.2	252.3	195.1	139.3	88.6	41.0	0.0
-55°	287.9	234.4	180.8	130.5	82.7	38.7	0.0
-57.5°	265.3	216.3	166.2	121.4	76.7	36.3	0.0
-60°	242.5	197.8	151.4	112.1	70.5	33.8	0.0
-62.5°	220.2	179.0	138.9	102.6	65.2	31.2	0.0
-65°	197.5	159.9	126.1	92.9	59.8	28.6	0.0
-67.5°	174.6	142.1	113.0	83.0	54.3	25.9	0.0
-70°	151.3	125.8	99.8	73.0	48.6	23.2	0.0
-72.5°	131.3	109.3	86.4	63.9	42.8	20.4	0.0
-75°	111.5	92.6	72.9	55.0	36.8	17.6	0.0
-77.5°	91.7	75.7	60.7	46.0	30.8	14.7	0.0
-80°	71.6	60.2	48.6	36.9	24.8	11.8	0.0
-82.5°	53.6	45.2	36.6	27.7	18.6	8.9	0.0
-85°	35.8	30.2	24.4	18.5	12.4	5.9	0.0
-87.5°	17.9	15.1	12.2	9.3	6.2	3.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)