

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: P559018 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-930-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559018 (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-SA5B-930-U-WAF-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (80) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

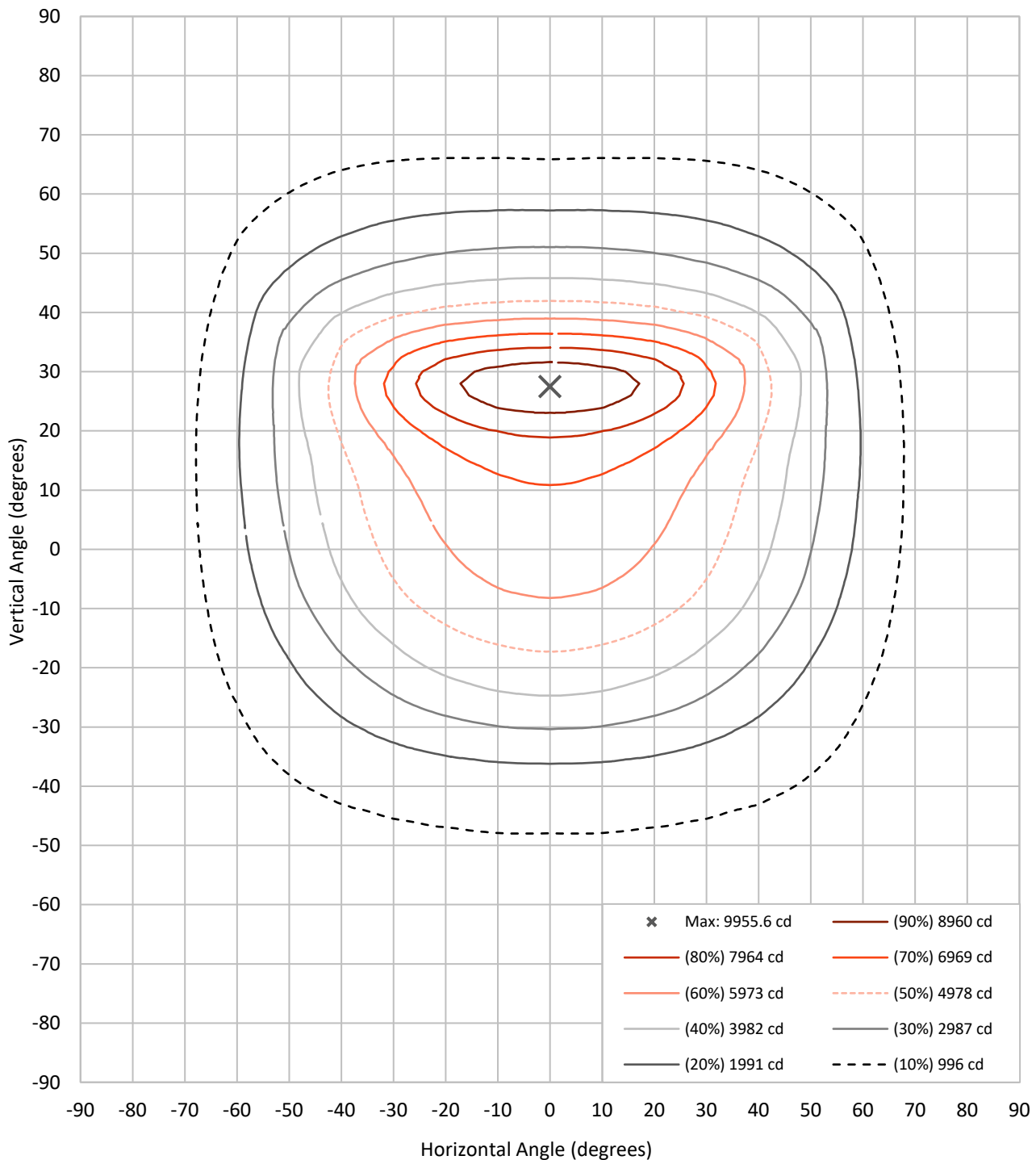
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	14513.5 lumens	Max Intensity:	9955.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	94.2 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:	7542.7 lumens	Field Lumens:	13426.2 lumens
Beam Efficiency:	52.0%	Field Efficiency:	92.5%
Input Watts (W):	154		
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		



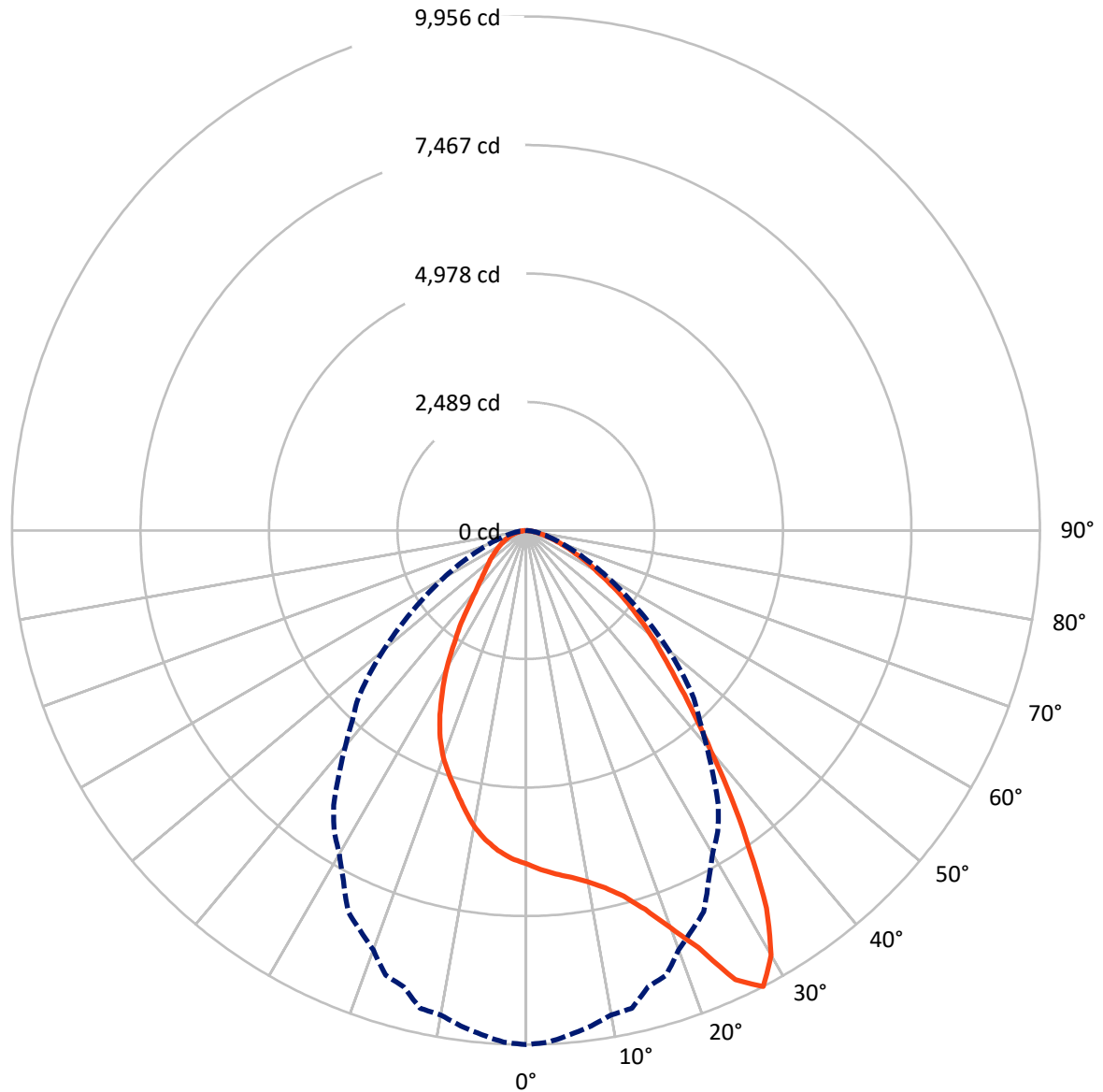
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Iso-Candela Plot



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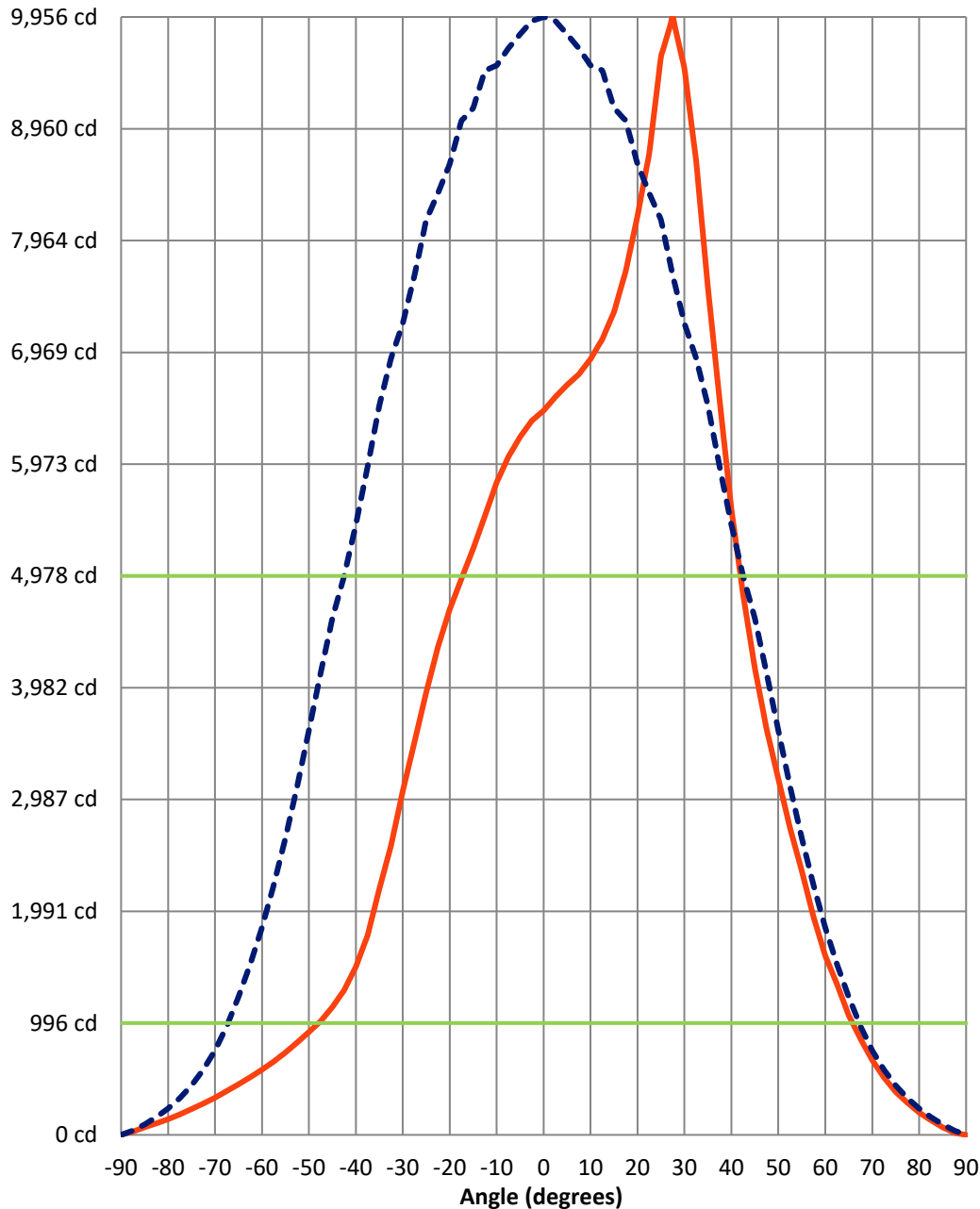
Luminous Intensity Polar Plot



— 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: 7542.7
 Efficiency: 52.0%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 13426.2
 Efficiency: 92.5%

Spill:
 Lumens: 1087.3
 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	1.9	3.9	5.7	7.6	9.4	11.1	12.8	14.4	16.0	17.5
85°	0.0	3.8	7.7	11.5	15.1	18.7	22.2	25.5	28.8	31.9	34.9
82.5°	0.0	5.7	11.6	17.2	22.7	28.0	33.2	38.3	44.0	53.6	63.6
80°	0.0	7.6	15.4	22.9	30.2	37.3	45.2	57.7	70.9	84.6	98.8
77.5°	0.0	9.4	19.2	28.5	37.6	48.6	64.2	80.5	97.5	115.2	135.8
75°	0.0	11.3	22.9	34.1	45.8	63.8	82.9	102.9	124.5	151.7	179.5
72.5°	0.0	13.1	26.6	39.7	57.4	78.7	101.4	126.7	157.9	189.9	222.6
70°	0.0	14.9	30.3	45.7	68.7	93.3	120.1	155.0	190.7	227.5	270.5
67.5°	0.0	16.7	33.9	53.8	79.8	107.6	143.1	182.6	223.0	270.7	318.8
65°	0.0	18.4	37.4	61.7	90.7	123.6	165.4	209.6	260.3	313.0	368.9
62.5°	0.0	20.1	40.8	69.4	101.3	140.9	187.0	239.7	296.7	355.8	424.1
60°	0.0	21.8	44.2	76.9	111.6	157.6	207.8	270.5	332.2	402.9	477.5
57.5°	0.0	23.4	48.9	84.2	123.9	173.7	231.4	300.2	370.8	448.4	538.4
55°	0.0	25.0	53.5	91.2	135.9	189.1	254.2	327.7	408.9	494.4	600.8
52.5°	0.0	26.5	57.9	98.0	147.3	204.2	275.8	357.0	445.4	545.8	659.7
50°	0.0	27.9	62.3	104.5	158.2	220.8	296.2	384.8	482.2	594.2	730.0
47.5°	0.0	29.4	66.4	111.1	168.5	236.4	315.6	410.7	521.4	639.2	797.2
45°	0.0	30.7	70.4	118.3	178.2	250.9	335.8	434.6	555.6	693.6	859.0
42.5°	0.0	32.0	74.1	125.1	187.3	264.4	354.5	459.7	587.0	743.8	928.4
40°	0.0	33.2	77.7	131.6	196.5	276.7	371.5	484.7	618.6	788.9	993.5
37.5°	0.0	34.4	81.1	137.8	205.7	288.0	386.9	507.5	652.8	830.2	1051.8
35°	0.0	35.5	84.4	143.6	214.1	299.2	400.6	528.0	682.9	874.0	1106.8
32.5°	0.0	36.5	87.4	148.9	221.7	309.7	413.7	546.1	709.0	911.5	1155.7
30°	0.0	37.5	90.1	153.8	228.5	319.0	427.8	562.9	730.9	942.7	1196.3
27.5°	0.0	38.4	92.7	158.4	234.9	326.9	440.0	580.3	751.3	967.6	1228.6
25°	0.0	39.2	95.1	162.5	240.6	333.6	450.3	594.5	771.1	990.6	1252.8
22.5°	0.0	39.9	97.2	166.1	245.5	339.5	458.7	605.6	786.0	1009.1	1273.5
20°	0.0	40.6	99.1	169.3	249.6	345.3	465.3	613.6	796.2	1021.0	1286.9
17.5°	0.0	41.1	100.7	172.1	252.9	350.1	471.2	618.6	801.7	1026.7	1293.0
15°	0.0	41.6	102.2	174.4	255.4	353.8	475.9	622.1	802.9	1026.3	1292.2
12.5°	0.0	42.0	103.4	176.3	257.2	356.6	478.8	624.7	802.9	1020.1	1284.5
10°	0.0	42.4	104.3	177.8	258.2	358.3	480.0	624.9	801.6	1017.1	1272.9
7.5°	0.0	42.6	105.0	178.8	258.6	359.1	479.4	622.7	796.8	1010.6	1259.9
5°	0.0	42.8	105.5	179.3	258.3	358.8	477.3	618.3	788.9	999.9	1240.5
2.5°	0.0	42.9	105.7	179.5	257.3	357.5	473.7	611.9	777.9	985.0	1215.5
0°	0.0	42.9	105.7	179.2	255.7	355.3	468.6	603.4	764.2	966.3	1185.3
-2.5°	0.0	43.0	105.4	178.4	254.5	351.9	463.2	594.5	750.7	945.5	1154.9
-5°	0.0	42.9	105.0	177.2	252.6	347.7	456.6	583.9	734.8	921.4	1120.6
-7.5°	0.0	42.8	104.2	175.5	250.2	342.5	448.7	571.7	716.7	894.2	1082.9
-10°	0.0	42.6	103.3	173.5	247.3	336.6	439.7	558.0	696.6	864.5	1042.1
-12.5°	0.0	42.4	102.1	171.1	243.8	330.0	429.6	542.9	674.7	832.7	1002.2
-15°	0.0	42.0	100.7	168.3	239.7	322.7	418.5	526.6	652.3	801.5	961.3
-17.5°	0.0	41.6	99.2	165.2	235.1	314.8	406.4	510.3	629.9	768.6	918.5
-20°	0.0	41.1	97.4	161.7	229.9	306.3	393.9	493.8	606.2	734.1	873.8



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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	40.4	95.4	157.8	224.3	297.3	381.3	476.1	581.5	698.6	827.8
-25°	0.0	39.8	93.2	153.7	218.1	288.3	368.0	457.4	555.9	662.1	780.7
-27.5°	0.0	39.0	90.9	149.2	211.5	279.0	354.0	437.7	529.6	626.7	736.0
-30°	0.0	38.1	88.3	144.4	204.4	269.0	339.3	417.1	504.2	594.4	691.4
-32.5°	0.0	37.2	85.6	139.4	197.1	258.5	324.1	397.8	478.9	562.0	647.1
-35°	0.0	36.2	82.8	134.1	189.4	247.5	310.0	378.8	452.9	529.6	603.1
-37.5°	0.0	35.1	79.8	128.5	181.3	236.4	295.9	359.4	426.2	497.3	566.8
-40°	0.0	34.0	76.6	122.7	172.9	225.7	281.4	339.7	398.8	465.9	532.5
-42.5°	0.0	32.8	73.3	116.6	164.5	214.7	266.3	319.7	374.2	435.5	497.5
-45°	0.0	31.5	69.9	110.4	156.2	203.3	250.8	300.3	351.1	405.1	462.2
-47.5°	0.0	30.1	66.3	103.9	147.6	191.6	234.9	281.8	328.0	374.7	428.6
-50°	0.0	28.7	62.6	98.1	138.6	179.7	220.4	262.9	305.2	349.2	395.1
-52.5°	0.0	27.2	58.8	92.5	129.5	167.4	205.8	243.7	283.1	323.1	362.2
-55°	0.0	25.7	54.9	86.6	120.0	155.6	191.1	224.4	261.1	296.7	333.1
-57.5°	0.0	24.1	50.9	80.6	110.3	143.5	176.1	207.2	238.7	271.4	303.6
-60°	0.0	22.4	46.8	74.4	100.5	131.3	160.9	189.9	216.6	246.2	274.5
-62.5°	0.0	20.7	43.3	68.1	92.2	118.8	146.1	172.3	196.8	220.7	246.7
-65°	0.0	19.0	39.7	61.7	83.7	106.1	131.1	154.6	176.7	197.7	218.7
-67.5°	0.0	17.2	36.0	55.1	75.0	94.3	115.8	137.1	156.4	175.3	193.1
-70°	0.0	15.4	32.3	48.5	66.3	83.5	100.4	119.5	136.9	152.7	168.4
-72.5°	0.0	13.6	28.4	42.4	57.4	72.5	87.1	101.8	117.4	131.5	144.1
-75°	0.0	11.7	24.5	36.5	48.4	61.4	74.0	86.1	97.8	110.3	121.5
-77.5°	0.0	9.8	20.5	30.5	40.3	50.3	60.8	71.1	80.8	89.9	99.0
-80°	0.0	7.8	16.5	24.5	32.3	39.9	47.5	56.0	64.0	71.5	78.5
-82.5°	0.0	5.9	12.4	18.4	24.3	30.0	35.6	41.3	47.1	53.0	58.5
-85°	0.0	3.9	8.3	12.3	16.2	20.0	23.7	27.6	31.4	35.1	38.8
-87.5°	0.0	2.0	4.1	6.1	8.1	10.0	11.9	13.8	15.7	17.6	19.4
-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°	18.4	19.1	19.7	20.2	21.0	21.7	22.3	22.8	23.2	23.5	23.7
85°	36.7	38.3	42.8	47.1	51.7	55.8	59.4	62.6	65.2	67.3	69.0
82.5°	71.8	79.5	86.8	93.6	99.9	105.5	110.9	117.0	122.0	126.1	129.5
80°	110.2	120.7	133.5	145.4	156.1	166.0	175.0	183.1	189.4	195.7	201.8
77.5°	154.9	171.9	187.7	202.2	216.3	232.8	248.0	261.9	272.7	280.8	287.0
75°	203.0	223.1	246.1	269.0	290.4	310.1	329.3	352.6	371.6	385.9	397.3
72.5°	254.3	283.2	311.4	338.7	370.2	400.8	430.5	459.2	484.4	502.9	517.9
70°	309.7	343.3	382.2	421.6	459.4	497.8	538.8	576.1	606.9	628.8	649.5
67.5°	366.3	413.5	459.6	506.9	560.6	609.4	654.1	701.3	742.9	770.2	794.2
65°	431.6	484.4	545.9	608.7	667.6	728.6	785.1	836.3	888.7	926.8	958.1
62.5°	494.7	569.0	641.5	715.0	789.0	855.3	929.1	994.9	1047.6	1102.2	1149.0
60°	569.6	657.8	746.7	835.3	918.2	1011.4	1092.3	1168.7	1239.3	1300.1	1357.6
57.5°	644.2	758.2	863.4	967.4	1076.9	1176.6	1271.7	1357.4	1441.7	1512.1	1581.1
55°	722.8	869.5	990.9	1119.4	1239.9	1352.5	1459.3	1566.6	1656.5	1753.4	1837.8
52.5°	810.0	977.6	1134.5	1275.9	1411.7	1541.6	1669.5	1798.6	1924.8	2025.3	2120.7
50°	891.6	1091.3	1280.0	1441.4	1597.5	1751.8	1911.5	2072.9	2212.0	2327.0	2426.2
47.5°	981.3	1196.9	1436.7	1615.2	1802.6	1993.7	2187.6	2365.9	2517.4	2673.8	2783.5
45°	1068.7	1303.7	1563.9	1811.6	2028.4	2259.9	2473.4	2670.1	2889.7	3060.6	3207.0
42.5°	1148.5	1405.0	1694.6	2009.9	2280.9	2529.3	2760.5	3037.3	3289.5	3489.2	3671.9
40°	1230.7	1497.1	1813.5	2194.0	2532.7	2797.9	3079.3	3385.2	3713.4	3959.1	4177.6
37.5°	1305.7	1591.3	1922.2	2334.5	2780.6	3072.1	3383.3	3715.1	4089.3	4458.9	4721.6
35°	1372.2	1671.1	2030.0	2448.8	2905.5	3338.0	3667.1	4020.4	4430.0	4909.5	5268.2
32.5°	1432.5	1736.3	2115.6	2538.0	3001.3	3508.3	3925.8	4288.6	4699.5	5194.4	5803.4
30°	1481.6	1799.4	2179.3	2602.4	3067.1	3572.0	4102.3	4497.5	4887.5	5373.1	5940.0
27.5°	1518.8	1845.7	2223.2	2642.6	3102.3	3601.6	4111.6	4599.3	4976.8	5433.8	5949.2
25°	1547.4	1883.6	2246.5	2657.5	3107.4	3588.6	4079.4	4540.9	4964.7	5367.5	5830.1
22.5°	1571.1	1909.7	2272.0	2647.5	3084.0	3542.4	4004.0	4444.0	4854.2	5231.3	5629.2
20°	1588.9	1926.4	2284.8	2657.3	3044.6	3467.3	3908.8	4327.6	4723.7	5088.9	5412.8
17.5°	1596.9	1931.4	2284.8	2655.5	3038.0	3407.8	3792.1	4194.7	4584.1	4947.0	5266.9
15°	1595.5	1924.9	2272.2	2641.3	3018.1	3384.4	3738.5	4070.6	4433.2	4800.1	5118.9
12.5°	1584.9	1907.5	2247.5	2614.9	2985.8	3347.7	3695.4	4028.8	4354.0	4661.2	4966.1
10°	1565.6	1879.7	2211.1	2576.3	2941.0	3297.6	3640.8	3975.3	4297.2	4598.8	4882.6
7.5°	1545.9	1848.5	2167.4	2525.7	2884.0	3234.2	3574.4	3909.5	4225.1	4526.1	4812.7
5°	1519.8	1815.5	2134.1	2477.4	2822.7	3164.4	3497.2	3830.7	4137.9	4441.6	4729.3
2.5°	1486.8	1774.5	2092.1	2418.7	2754.0	3092.2	3413.8	3741.0	4056.0	4347.9	4631.4
0°	1447.2	1725.9	2041.3	2349.2	2673.8	3007.7	3317.0	3637.1	3964.8	4240.4	4517.6
-2.5°	1404.1	1667.7	1967.4	2273.7	2587.4	2914.9	3232.0	3535.5	3855.9	4134.5	4417.6
-5°	1355.7	1603.5	1885.7	2188.5	2490.9	2810.0	3133.1	3421.7	3727.8	4003.3	4281.7
-7.5°	1302.9	1534.1	1797.3	2092.8	2380.9	2681.9	2987.9	3265.5	3563.1	3835.6	4106.8
-10°	1247.1	1465.7	1711.4	1984.7	2256.3	2536.8	2824.3	3096.1	3382.3	3653.6	3914.6
-12.5°	1193.7	1398.3	1622.8	1871.3	2124.8	2384.0	2651.3	2913.7	3185.2	3457.9	3701.9
-15°	1137.8	1327.4	1531.3	1754.1	1987.5	2224.7	2470.2	2718.6	2973.4	3240.1	3465.5
-17.5°	1079.8	1253.8	1438.0	1634.3	1845.4	2060.2	2285.9	2525.6	2758.8	3001.8	3219.7
-20°	1020.6	1177.9	1343.8	1513.0	1700.5	1906.5	2117.7	2332.7	2544.6	2756.3	2961.0



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 CATALOG NUMBER: GFLD-SA5B-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°	960.5	1100.5	1251.4	1400.3	1578.7	1764.7	1949.9	2136.6	2326.7	2508.9	2702.6
-25°	902.5	1028.6	1161.9	1306.6	1459.8	1623.7	1782.9	1940.7	2109.2	2280.1	2446.8
-27.5°	846.6	957.8	1083.7	1212.7	1340.3	1486.2	1625.5	1759.3	1906.4	2057.1	2191.7
-30°	790.5	896.1	1006.4	1120.9	1233.1	1354.9	1475.4	1592.7	1712.6	1841.6	1958.2
-32.5°	738.5	834.9	935.3	1035.6	1130.9	1225.4	1336.7	1440.9	1539.0	1630.9	1732.7
-35°	691.0	779.4	866.6	953.1	1031.6	1114.7	1207.8	1295.6	1374.3	1448.1	1525.9
-37.5°	646.1	724.9	798.3	875.6	945.4	1016.6	1085.0	1161.0	1224.8	1283.8	1347.7
-40°	601.2	671.6	737.7	802.3	866.3	925.7	984.1	1035.8	1087.2	1143.9	1187.8
-42.5°	556.9	622.3	681.5	731.0	791.3	842.6	888.0	930.8	972.7	1017.0	1052.2
-45°	517.8	573.5	627.5	675.0	720.2	763.9	802.4	836.0	875.8	906.4	933.0
-47.5°	478.4	526.6	576.0	619.9	657.6	693.1	721.8	755.6	788.2	814.5	830.0
-50°	439.6	483.7	525.5	566.4	600.6	629.1	653.8	681.7	708.8	731.1	745.9
-52.5°	403.9	440.7	479.4	514.2	545.8	571.3	594.9	619.1	638.9	654.3	673.7
-55°	368.6	402.5	434.8	466.0	493.0	516.4	539.5	561.0	578.0	591.3	607.3
-57.5°	335.4	366.0	394.2	420.4	444.6	464.7	487.2	505.6	521.4	533.8	550.3
-60°	303.1	330.5	356.1	378.9	398.8	418.6	437.0	453.8	467.6	480.0	495.1
-62.5°	271.0	295.7	318.8	339.8	357.9	374.3	390.8	405.1	416.7	429.4	442.0
-65°	240.9	261.8	282.0	301.1	318.2	333.8	347.4	359.0	369.8	381.1	391.2
-67.5°	210.8	230.3	247.3	262.5	278.3	293.4	306.0	316.7	325.8	335.0	343.4
-70°	183.9	199.4	214.9	228.6	240.7	253.3	265.5	275.6	283.7	290.9	297.8
-72.5°	157.5	171.2	184.0	195.8	206.8	216.9	226.6	235.7	243.2	248.9	253.9
-75°	132.5	143.1	154.2	164.5	173.4	181.2	188.6	195.9	202.1	206.9	210.9
-77.5°	108.4	117.4	125.9	133.8	140.2	146.4	152.2	157.4	162.2	165.9	168.6
-80°	85.1	91.7	98.5	105.0	110.0	114.2	117.8	120.9	124.4	128.0	131.1
-82.5°	63.4	68.1	72.6	77.0	80.5	83.4	85.9	88.3	90.8	93.1	95.2
-85°	41.7	44.4	47.2	49.9	52.5	54.8	56.8	58.5	59.8	61.0	62.0
-87.5°	20.8	22.2	23.5	24.6	25.9	27.1	28.2	29.2	29.9	30.5	31.0
-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: P559018 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	23.8	23.9	23.9	23.8	23.6	22.6	21.6	20.4	19.2	19.8	20.3
85°	70.2	70.5	70.2	69.5	68.4	68.3	68.1	67.6	67.0	68.0	68.9
82.5°	132.1	133.1	133.2	132.6	131.3	131.8	132.1	131.8	131.0	132.0	132.6
80°	206.5	208.4	208.5	207.1	204.3	204.7	204.9	204.4	203.0	203.3	203.2
77.5°	294.1	298.7	300.3	299.6	296.8	296.0	294.0	290.0	284.1	284.0	284.1
75°	406.0	410.7	413.1	412.9	410.2	408.4	405.8	401.2	394.6	394.4	394.4
72.5°	529.4	536.2	539.3	542.1	542.1	541.0	537.7	530.8	520.7	519.5	520.7
70°	665.7	677.2	684.5	690.1	694.5	695.4	693.2	687.7	678.8	676.5	675.8
67.5°	817.5	835.9	849.8	859.0	867.7	874.0	876.3	873.8	866.6	864.3	865.2
65°	987.6	1016.0	1039.3	1056.8	1068.6	1076.9	1084.1	1088.4	1089.5	1092.0	1095.4
62.5°	1186.4	1221.2	1253.7	1275.8	1287.2	1295.2	1318.6	1332.0	1335.9	1336.7	1341.9
60°	1408.4	1452.3	1492.9	1525.4	1551.7	1571.6	1591.5	1604.6	1609.5	1610.5	1617.6
57.5°	1651.1	1706.2	1753.7	1804.2	1839.3	1859.7	1886.2	1913.6	1927.9	1931.9	1948.8
55°	1919.6	1994.8	2056.4	2110.3	2159.4	2202.7	2239.2	2267.4	2288.2	2300.8	2323.0
52.5°	2216.5	2304.9	2369.3	2432.6	2503.0	2552.7	2585.1	2637.3	2675.1	2695.8	2722.4
50°	2542.5	2641.0	2728.7	2795.1	2877.0	2944.8	2994.3	3043.7	3078.2	3098.0	3123.7
47.5°	2913.6	3034.9	3136.7	3198.3	3293.3	3373.2	3405.5	3442.7	3507.8	3539.1	3566.6
45°	3331.4	3486.2	3599.3	3695.6	3777.3	3866.9	3925.6	3968.0	4032.1	4064.3	4084.6
42.5°	3828.5	4000.8	4149.7	4265.3	4334.1	4450.3	4535.1	4559.0	4649.8	4711.4	4729.5
40°	4386.1	4577.0	4773.5	4905.3	5015.9	5133.9	5273.8	5351.7	5428.5	5488.9	5502.6
37.5°	4967.1	5222.7	5446.9	5617.1	5800.0	5974.2	6122.4	6203.2	6253.6	6369.1	6412.3
35°	5557.7	5821.5	6135.6	6400.1	6621.8	6836.7	7005.8	7139.0	7265.8	7369.8	7432.2
32.5°	6060.7	6344.5	6732.4	7128.3	7367.7	7600.5	7878.3	8030.6	8199.8	8336.9	8437.0
30°	6474.0	6743.9	7097.0	7593.8	7921.5	8157.5	8509.0	8719.7	8904.0	9136.3	9217.2
27.5°	6493.6	6915.4	7227.7	7655.5	8147.3	8386.8	8647.0	9029.9	9146.1	9477.3	9525.1
25°	6323.2	6766.0	7086.9	7444.1	7853.0	8144.4	8382.0	8700.4	8867.1	9080.1	9243.7
22.5°	6056.6	6446.8	6774.2	7077.1	7396.2	7661.5	7878.6	8102.5	8285.4	8450.7	8604.3
20°	5762.2	6132.6	6443.1	6703.5	6956.4	7202.3	7397.7	7585.7	7743.9	7885.8	7973.2
17.5°	5554.8	5821.3	6138.6	6405.3	6624.6	6817.6	7019.7	7177.0	7315.8	7443.5	7523.4
15°	5413.2	5666.7	5892.5	6137.3	6368.4	6552.4	6704.6	6866.9	6986.9	7096.8	7183.4
12.5°	5266.3	5527.5	5763.8	5967.7	6148.6	6349.5	6512.2	6639.8	6765.7	6852.1	6940.9
10°	5143.6	5387.9	5633.1	5848.4	6038.7	6204.3	6358.3	6501.5	6614.4	6711.2	6781.3
7.5°	5072.4	5312.0	5532.3	5738.9	5924.4	6100.9	6259.7	6390.9	6502.8	6603.0	6676.4
5°	4989.8	5226.9	5446.9	5658.0	5836.2	6005.8	6163.9	6299.0	6414.8	6504.1	6574.3
2.5°	4895.0	5129.0	5348.4	5563.0	5741.1	5904.7	6054.3	6186.1	6306.7	6391.8	6451.6
0°	4787.1	5021.4	5235.8	5438.0	5617.1	5793.3	5931.1	6064.3	6182.2	6266.4	6326.2
-2.5°	4678.3	4911.2	5133.1	5326.8	5504.6	5667.2	5813.9	5939.7	6052.4	6136.3	6188.6
-5°	4533.6	4765.1	4984.1	5179.3	5365.0	5528.2	5670.9	5798.8	5907.3	5998.8	6069.9
-7.5°	4358.5	4592.5	4811.3	5010.6	5195.5	5349.7	5486.7	5615.6	5731.4	5831.3	5918.8
-10°	4165.9	4397.4	4604.1	4790.7	4963.0	5119.8	5265.5	5392.9	5499.0	5596.8	5670.5
-12.5°	3941.6	4155.9	4358.1	4542.1	4710.5	4867.6	5006.1	5127.4	5234.3	5321.0	5387.4
-15°	3694.1	3897.5	4089.1	4277.1	4453.4	4608.1	4730.0	4857.8	4950.4	5034.6	5094.4
-17.5°	3429.3	3626.0	3827.4	4016.0	4178.7	4331.3	4465.4	4582.2	4679.4	4756.6	4824.1
-20°	3161.0	3361.3	3555.1	3734.8	3891.3	4032.7	4168.6	4280.8	4380.4	4464.4	4543.5



REPORT NUMBER: P559018 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	2891.4	3075.2	3257.1	3432.8	3580.9	3714.6	3833.5	3940.9	4028.8	4127.8	4197.6
-25°	2614.5	2775.6	2939.9	3095.1	3235.1	3366.5	3474.3	3568.4	3660.1	3755.6	3823.7
-27.5°	2336.2	2478.6	2612.2	2749.5	2872.2	2986.0	3086.0	3168.4	3257.4	3321.2	3396.0
-30°	2061.1	2190.3	2301.6	2397.2	2512.5	2610.2	2688.0	2769.9	2843.4	2904.3	2967.4
-32.5°	1828.1	1916.4	2005.4	2085.3	2162.0	2242.3	2305.0	2376.5	2426.9	2479.4	2530.3
-35°	1604.2	1672.3	1731.3	1806.1	1863.6	1907.3	1959.6	2012.0	2032.2	2089.3	2119.7
-37.5°	1401.5	1446.1	1501.2	1553.3	1596.0	1628.6	1675.2	1702.7	1717.1	1754.0	1773.8
-40°	1227.9	1256.1	1307.5	1343.1	1368.7	1392.5	1431.2	1449.1	1468.8	1487.2	1487.7
-42.5°	1075.2	1111.5	1146.4	1174.3	1190.5	1217.5	1235.8	1237.8	1263.4	1279.7	1282.3
-45°	950.4	987.2	1014.8	1035.4	1051.5	1074.8	1086.6	1093.1	1114.0	1125.1	1129.9
-47.5°	854.4	880.2	904.1	919.9	941.2	958.4	967.0	978.0	994.0	1004.2	1011.5
-50°	770.1	790.5	808.7	823.2	844.4	859.7	867.9	881.4	893.4	900.7	906.4
-52.5°	696.0	714.2	726.8	740.9	758.4	772.0	782.5	795.8	805.8	812.3	817.3
-55°	626.5	643.7	656.0	671.3	683.8	692.9	701.9	714.9	724.7	731.3	735.7
-57.5°	565.2	578.1	590.2	604.2	616.1	626.0	633.9	641.2	647.6	653.0	657.2
-60°	507.9	518.3	529.4	540.3	549.3	556.5	565.0	571.6	575.7	578.3	581.8
-62.5°	452.7	462.1	471.9	480.7	487.9	493.9	500.8	506.2	510.0	512.8	514.8
-65°	400.2	408.4	416.7	424.0	430.2	435.4	440.3	444.1	446.8	449.1	450.9
-67.5°	351.2	357.6	363.4	368.5	373.1	377.6	381.9	384.8	386.4	388.2	390.1
-70°	303.9	308.9	312.8	315.9	318.6	322.1	326.2	329.1	330.8	332.6	334.3
-72.5°	258.1	261.9	265.0	267.5	269.0	271.3	274.1	276.4	278.2	279.6	280.2
-75°	214.1	217.1	219.9	221.8	222.9	224.5	226.0	226.8	226.9	227.5	227.9
-77.5°	170.9	173.9	176.6	178.4	179.5	180.8	181.9	182.5	182.6	182.6	182.3
-80°	133.5	135.5	137.2	138.5	139.4	140.3	140.8	140.9	140.6	140.9	141.0
-82.5°	97.0	98.8	100.3	101.4	102.2	103.1	103.8	104.4	104.7	104.8	104.6
-85°	62.8	63.6	64.4	65.1	65.8	66.2	66.4	66.5	66.3	66.4	66.2
-87.5°	31.4	31.0	30.5	29.9	29.2	29.4	29.5	29.6	29.6	29.9	30.1
-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: P559018 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	20.8	21.3	19.9	18.4	19.9	21.3	20.8	20.3	19.8	19.2	20.4
85°	69.6	70.0	68.8	67.4	68.8	70.0	69.6	68.9	68.0	67.0	67.6
82.5°	132.7	132.5	131.5	130.2	131.5	132.5	132.7	132.6	132.0	131.0	131.8
80°	202.5	201.1	200.4	199.1	200.4	201.1	202.5	203.2	203.3	203.0	204.4
77.5°	283.4	281.9	284.4	286.4	284.4	281.9	283.4	284.1	284.0	284.1	290.0
75°	392.9	389.9	387.0	382.8	387.0	389.9	392.9	394.4	394.4	394.6	401.2
72.5°	520.2	517.8	515.4	511.5	515.4	517.8	520.2	520.7	519.5	520.7	530.8
70°	671.7	664.6	665.8	666.2	665.8	664.6	671.7	675.8	676.5	678.8	687.7
67.5°	862.4	855.9	856.8	856.0	856.8	855.9	862.4	865.2	864.3	866.6	873.8
65°	1093.3	1086.1	1077.3	1064.3	1077.3	1086.1	1093.3	1095.4	1092.0	1089.5	1088.4
62.5°	1341.2	1334.8	1338.5	1341.5	1338.5	1334.8	1341.2	1341.9	1336.7	1335.9	1332.0
60°	1616.5	1607.5	1603.0	1595.7	1603.0	1607.5	1616.5	1617.6	1610.5	1609.5	1604.6
57.5°	1956.5	1954.8	1950.9	1940.3	1950.9	1954.8	1956.5	1948.8	1931.9	1927.9	1913.6
55°	2333.5	2331.3	2340.0	2350.7	2340.0	2331.3	2333.5	2323.0	2300.8	2288.2	2267.4
52.5°	2742.0	2748.9	2746.4	2732.0	2746.4	2748.9	2742.0	2722.4	2695.8	2675.1	2637.3
50°	3146.4	3154.1	3162.4	3170.0	3162.4	3154.1	3146.4	3123.7	3098.0	3078.2	3043.7
47.5°	3604.6	3625.0	3628.6	3614.1	3628.6	3625.0	3604.6	3566.6	3539.1	3507.8	3442.7
45°	4125.3	4137.7	4143.9	4156.2	4143.9	4137.7	4125.3	4084.6	4064.3	4032.1	3968.0
42.5°	4781.8	4796.0	4798.2	4811.6	4798.2	4796.0	4781.8	4729.5	4711.4	4649.8	4559.0
40°	5560.9	5584.0	5580.1	5574.3	5580.1	5584.0	5560.9	5502.6	5488.9	5428.5	5351.7
37.5°	6473.0	6512.2	6516.3	6540.6	6516.3	6512.2	6473.0	6412.3	6369.1	6253.6	6203.2
35°	7496.7	7542.9	7534.9	7546.7	7534.9	7542.9	7496.7	7432.2	7369.8	7265.8	7139.0
32.5°	8529.2	8598.5	8612.4	8670.7	8612.4	8598.5	8529.2	8437.0	8336.9	8199.8	8030.6
30°	9340.5	9437.5	9500.9	9496.2	9500.9	9437.5	9340.5	9217.2	9136.3	8904.0	8719.7
27.5°	9676.5	9802.3	9920.0	9955.6	9920.0	9802.3	9676.5	9525.1	9477.3	9146.1	9029.9
25°	9348.6	9440.5	9544.5	9600.3	9544.5	9440.5	9348.6	9243.7	9080.1	8867.1	8700.4
22.5°	8674.9	8734.7	8770.1	8741.2	8770.1	8734.7	8674.9	8604.3	8450.7	8285.4	8102.5
20°	8063.6	8139.2	8153.3	8183.8	8153.3	8139.2	8063.6	7973.2	7885.8	7743.9	7585.7
17.5°	7608.6	7658.1	7687.1	7693.7	7687.1	7658.1	7608.6	7523.4	7443.5	7315.8	7177.0
15°	7251.9	7291.6	7317.7	7329.2	7317.7	7291.6	7251.9	7183.4	7096.8	6986.9	6866.9
12.5°	6999.2	7047.6	7071.4	7085.7	7071.4	7047.6	6999.2	6940.9	6852.1	6765.7	6639.8
10°	6837.2	6883.9	6902.7	6909.6	6902.7	6883.9	6837.2	6781.3	6711.2	6614.4	6501.5
7.5°	6720.8	6750.8	6763.5	6773.3	6763.5	6750.8	6720.8	6676.4	6603.0	6502.8	6390.9
5°	6626.9	6650.7	6664.2	6678.4	6664.2	6650.7	6626.9	6574.3	6504.1	6414.8	6299.0
2.5°	6499.1	6533.2	6556.9	6571.2	6556.9	6533.2	6499.1	6451.6	6391.8	6306.7	6186.1
0°	6373.6	6405.8	6422.7	6450.2	6422.7	6405.8	6373.6	6326.2	6266.4	6182.2	6064.3
-2.5°	6235.7	6272.9	6317.1	6359.9	6317.1	6272.9	6235.7	6188.6	6136.3	6052.4	5939.7
-5°	6130.1	6179.3	6188.6	6215.9	6188.6	6179.3	6130.1	6069.9	5998.8	5907.3	5798.8
-7.5°	5970.9	5993.3	6031.5	6038.3	6031.5	5993.3	5970.9	5918.8	5831.3	5731.4	5615.6
-10°	5725.6	5762.0	5785.8	5810.1	5785.8	5762.0	5725.6	5670.5	5596.8	5499.0	5392.9
-12.5°	5437.2	5480.1	5518.4	5513.0	5518.4	5480.1	5437.2	5387.4	5321.0	5234.3	5127.4
-15°	5156.4	5197.8	5224.1	5220.5	5224.1	5197.8	5156.4	5094.4	5034.6	4950.4	4857.8
-17.5°	4877.6	4915.4	4953.4	4952.5	4953.4	4915.4	4877.6	4824.1	4756.6	4679.4	4582.2
-20°	4589.7	4622.1	4662.8	4679.9	4662.8	4622.1	4589.7	4543.5	4464.4	4380.4	4280.8



REPORT NUMBER: P559018 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4256.8	4298.2	4327.9	4346.1	4327.9	4298.2	4256.8	4197.6	4127.8	4028.8	3940.9
-25°	3868.9	3911.3	3933.8	3941.8	3933.8	3911.3	3868.9	3823.7	3755.6	3660.1	3568.4
-27.5°	3440.2	3487.8	3511.0	3499.2	3511.0	3487.8	3440.2	3396.0	3321.2	3257.4	3168.4
-30°	3000.6	3031.1	3034.7	3061.2	3034.7	3031.1	3000.6	2967.4	2904.3	2843.4	2769.9
-32.5°	2566.8	2587.3	2575.7	2577.3	2575.7	2587.3	2566.8	2530.3	2479.4	2426.9	2376.5
-35°	2138.6	2154.9	2158.2	2188.4	2158.2	2154.9	2138.6	2119.7	2089.3	2032.2	2012.0
-37.5°	1794.3	1800.9	1790.8	1776.4	1790.8	1800.9	1794.3	1773.8	1754.0	1717.1	1702.7
-40°	1502.3	1507.4	1503.6	1496.2	1503.6	1507.4	1502.3	1487.7	1487.2	1468.8	1449.1
-42.5°	1292.2	1292.2	1288.8	1287.9	1288.8	1292.2	1292.2	1282.3	1279.7	1263.4	1237.8
-45°	1137.0	1138.6	1138.4	1137.8	1138.4	1138.6	1137.0	1129.9	1125.1	1114.0	1093.1
-47.5°	1016.6	1017.0	1015.3	1012.2	1015.3	1017.0	1016.6	1011.5	1004.2	994.0	978.0
-50°	910.0	910.0	912.1	915.8	912.1	910.0	910.0	906.4	900.7	893.4	881.4
-52.5°	820.0	819.8	821.0	822.4	821.0	819.8	820.0	817.3	812.3	805.8	795.8
-55°	737.6	737.2	736.1	733.5	736.1	737.2	737.6	735.7	731.3	724.7	714.9
-57.5°	658.8	657.9	655.9	652.4	655.9	657.9	658.8	657.2	653.0	647.6	641.2
-60°	583.7	584.0	583.1	580.4	583.1	584.0	583.7	581.8	578.3	575.7	571.6
-62.5°	515.3	514.2	514.0	513.0	514.0	514.2	515.3	514.8	512.8	510.0	506.2
-65°	451.2	450.1	450.5	450.2	450.5	450.1	451.2	450.9	449.1	446.8	444.1
-67.5°	390.8	390.4	390.8	390.5	390.8	390.4	390.8	390.1	388.2	386.4	384.8
-70°	335.2	335.3	333.6	330.8	333.6	335.3	335.2	334.3	332.6	330.8	329.1
-72.5°	280.0	279.0	279.1	278.7	279.1	279.0	280.0	280.2	279.6	278.2	276.4
-75°	227.8	227.2	228.6	229.7	228.6	227.2	227.8	227.9	227.5	226.9	226.8
-77.5°	181.4	180.0	181.2	182.2	181.2	180.0	181.4	182.3	182.6	182.6	182.5
-80°	140.8	140.4	140.0	139.4	140.0	140.4	140.8	141.0	140.9	140.6	140.9
-82.5°	104.3	103.7	103.3	102.6	103.3	103.7	104.3	104.6	104.8	104.7	104.4
-85°	66.0	65.5	66.5	67.4	66.5	65.5	66.0	66.2	66.4	66.3	66.5
-87.5°	30.3	30.5	29.8	29.1	29.8	30.5	30.3	30.1	29.9	29.6	29.6
-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: P559018 (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°	21.6	22.6	23.6	23.8	23.9	23.9	23.8	23.7	23.5	23.2	22.8
85°	68.1	68.3	68.4	69.5	70.2	70.5	70.2	69.0	67.3	65.2	62.6
82.5°	132.1	131.8	131.3	132.6	133.2	133.1	132.1	129.5	126.1	122.0	117.0
80°	204.9	204.7	204.3	207.1	208.5	208.4	206.5	201.8	195.7	189.4	183.1
77.5°	294.0	296.0	296.8	299.6	300.3	298.7	294.1	287.0	280.8	272.7	261.9
75°	405.8	408.4	410.2	412.9	413.1	410.7	406.0	397.3	385.9	371.6	352.6
72.5°	537.7	541.0	542.1	542.1	539.3	536.2	529.4	517.9	502.9	484.4	459.2
70°	693.2	695.4	694.5	690.1	684.5	677.2	665.7	649.5	628.8	606.9	576.1
67.5°	876.3	874.0	867.7	859.0	849.8	835.9	817.5	794.2	770.2	742.9	701.3
65°	1084.1	1076.9	1068.6	1056.8	1039.3	1016.0	987.6	958.1	926.8	888.7	836.3
62.5°	1318.6	1295.2	1287.2	1275.8	1253.7	1221.2	1186.4	1149.0	1102.2	1047.6	994.9
60°	1591.5	1571.6	1551.7	1525.4	1492.9	1452.3	1408.4	1357.6	1300.1	1239.3	1168.7
57.5°	1886.2	1859.7	1839.3	1804.2	1753.7	1706.2	1651.1	1581.1	1512.1	1441.7	1357.4
55°	2239.2	2202.7	2159.4	2110.3	2056.4	1994.8	1919.6	1837.8	1753.4	1656.5	1566.6
52.5°	2585.1	2552.7	2503.0	2432.6	2369.3	2304.9	2216.5	2120.7	2025.3	1924.8	1798.6
50°	2994.3	2944.8	2877.0	2795.1	2728.7	2641.0	2542.5	2426.2	2327.0	2212.0	2072.9
47.5°	3405.5	3373.2	3293.3	3198.3	3136.7	3034.9	2913.6	2783.5	2673.8	2517.4	2365.9
45°	3925.6	3866.9	3777.3	3695.6	3599.3	3486.2	3331.4	3207.0	3060.6	2889.7	2670.1
42.5°	4535.1	4450.3	4334.1	4265.3	4149.7	4000.8	3828.5	3671.9	3489.2	3289.5	3037.3
40°	5273.8	5133.9	5015.9	4905.3	4773.5	4577.0	4386.1	4177.6	3959.1	3713.4	3385.2
37.5°	6122.4	5974.2	5800.0	5617.1	5446.9	5222.7	4967.1	4721.6	4458.9	4089.3	3715.1
35°	7005.8	6836.7	6621.8	6400.1	6135.6	5821.5	5557.7	5268.2	4909.5	4430.0	4020.4
32.5°	7878.3	7600.5	7367.7	7128.3	6732.4	6344.5	6060.7	5803.4	5194.4	4699.5	4288.6
30°	8509.0	8157.5	7921.5	7593.8	7097.0	6743.9	6474.0	5940.0	5373.1	4887.5	4497.5
27.5°	8647.0	8386.8	8147.3	7655.5	7227.7	6915.4	6493.6	5949.2	5433.8	4976.8	4599.3
25°	8382.0	8144.4	7853.0	7444.1	7086.9	6766.0	6323.2	5830.1	5367.5	4964.7	4540.9
22.5°	7878.6	7661.5	7396.2	7077.1	6774.2	6446.8	6056.6	5629.2	5231.3	4854.2	4444.0
20°	7397.7	7202.3	6956.4	6703.5	6443.1	6132.6	5762.2	5412.8	5088.9	4723.7	4327.6
17.5°	7019.7	6817.6	6624.6	6405.3	6138.6	5821.3	5554.8	5266.9	4947.0	4584.1	4194.7
15°	6704.6	6552.4	6368.4	6137.3	5892.5	5666.7	5413.2	5118.9	4800.1	4433.2	4070.6
12.5°	6512.2	6349.5	6148.6	5967.7	5763.8	5527.5	5266.3	4966.1	4661.2	4354.0	4028.8
10°	6358.3	6204.3	6038.7	5848.4	5633.1	5387.9	5143.6	4882.6	4598.8	4297.2	3975.3
7.5°	6259.7	6100.9	5924.4	5738.9	5532.3	5312.0	5072.4	4812.7	4526.1	4225.1	3909.5
5°	6163.9	6005.8	5836.2	5658.0	5446.9	5226.9	4989.8	4729.3	4441.6	4137.9	3830.7
2.5°	6054.3	5904.7	5741.1	5563.0	5348.4	5129.0	4895.0	4631.4	4347.9	4056.0	3741.0
0°	5931.1	5793.3	5617.1	5438.0	5235.8	5021.4	4787.1	4517.6	4240.4	3964.8	3637.1
-2.5°	5813.9	5667.2	5504.6	5326.8	5133.1	4911.2	4678.3	4417.6	4134.5	3855.9	3535.5
-5°	5670.9	5528.2	5365.0	5179.3	4984.1	4765.1	4533.6	4281.7	4003.3	3727.8	3421.7
-7.5°	5486.7	5349.7	5195.5	5010.6	4811.3	4592.5	4358.5	4106.8	3835.6	3563.1	3265.5
-10°	5265.5	5119.8	4963.0	4790.7	4604.1	4397.4	4165.9	3914.6	3653.6	3382.3	3096.1
-12.5°	5006.1	4867.6	4710.5	4542.1	4358.1	4155.9	3941.6	3701.9	3457.9	3185.2	2913.7
-15°	4730.0	4608.1	4453.4	4277.1	4089.1	3897.5	3694.1	3465.5	3240.1	2973.4	2718.6
-17.5°	4465.4	4331.3	4178.7	4016.0	3827.4	3626.0	3429.3	3219.7	3001.8	2758.8	2525.6
-20°	4168.6	4032.7	3891.3	3734.8	3555.1	3361.3	3161.0	2961.0	2756.3	2544.6	2332.7



REPORT NUMBER: P559018 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3833.5	3714.6	3580.9	3432.8	3257.1	3075.2	2891.4	2702.6	2508.9	2326.7	2136.6
-25°	3474.3	3366.5	3235.1	3095.1	2939.9	2775.6	2614.5	2446.8	2280.1	2109.2	1940.7
-27.5°	3086.0	2986.0	2872.2	2749.5	2612.2	2478.6	2336.2	2191.7	2057.1	1906.4	1759.3
-30°	2688.0	2610.2	2512.5	2397.2	2301.6	2190.3	2061.1	1958.2	1841.6	1712.6	1592.7
-32.5°	2305.0	2242.3	2162.0	2085.3	2005.4	1916.4	1828.1	1732.7	1630.9	1539.0	1440.9
-35°	1959.6	1907.3	1863.6	1806.1	1731.3	1672.3	1604.2	1525.9	1448.1	1374.3	1295.6
-37.5°	1675.2	1628.6	1596.0	1553.3	1501.2	1446.1	1401.5	1347.7	1283.8	1224.8	1161.0
-40°	1431.2	1392.5	1368.7	1343.1	1307.5	1256.1	1227.9	1187.8	1143.9	1087.2	1035.8
-42.5°	1235.8	1217.5	1190.5	1174.3	1146.4	1111.5	1075.2	1052.2	1017.0	972.7	930.8
-45°	1086.6	1074.8	1051.5	1035.4	1014.8	987.2	950.4	933.0	906.4	875.8	836.0
-47.5°	967.0	958.4	941.2	919.9	904.1	880.2	854.4	830.0	814.5	788.2	755.6
-50°	867.9	859.7	844.4	823.2	808.7	790.5	770.1	745.9	731.1	708.8	681.7
-52.5°	782.5	772.0	758.4	740.9	726.8	714.2	696.0	673.7	654.3	638.9	619.1
-55°	701.9	692.9	683.8	671.3	656.0	643.7	626.5	607.3	591.3	578.0	561.0
-57.5°	633.9	626.0	616.1	604.2	590.2	578.1	565.2	550.3	533.8	521.4	505.6
-60°	565.0	556.5	549.3	540.3	529.4	518.3	507.9	495.1	480.0	467.6	453.8
-62.5°	500.8	493.9	487.9	480.7	471.9	462.1	452.7	442.0	429.4	416.7	405.1
-65°	440.3	435.4	430.2	424.0	416.7	408.4	400.2	391.2	381.1	369.8	359.0
-67.5°	381.9	377.6	373.1	368.5	363.4	357.6	351.2	343.4	335.0	325.8	316.7
-70°	326.2	322.1	318.6	315.9	312.8	308.9	303.9	297.8	290.9	283.7	275.6
-72.5°	274.1	271.3	269.0	267.5	265.0	261.9	258.1	253.9	248.9	243.2	235.7
-75°	226.0	224.5	222.9	221.8	219.9	217.1	214.1	210.9	206.9	202.1	195.9
-77.5°	181.9	180.8	179.5	178.4	176.6	173.9	170.9	168.6	165.9	162.2	157.4
-80°	140.8	140.3	139.4	138.5	137.2	135.5	133.5	131.1	128.0	124.4	120.9
-82.5°	103.8	103.1	102.2	101.4	100.3	98.8	97.0	95.2	93.1	90.8	88.3
-85°	66.4	66.2	65.8	65.1	64.4	63.6	62.8	62.0	61.0	59.8	58.5
-87.5°	29.5	29.4	29.2	29.9	30.5	31.0	31.4	31.0	30.5	29.9	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



REPORT NUMBER: P559018 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	22.3	21.7	21.0	20.2	19.7	19.1	18.4	17.5	16.0	14.4	12.8
85°	59.4	55.8	51.7	47.1	42.8	38.3	36.7	34.9	31.9	28.8	25.5
82.5°	110.9	105.5	99.9	93.6	86.8	79.5	71.8	63.6	53.6	44.0	38.3
80°	175.0	166.0	156.1	145.4	133.5	120.7	110.2	98.8	84.6	70.9	57.7
77.5°	248.0	232.8	216.3	202.2	187.7	171.9	154.9	135.8	115.2	97.5	80.5
75°	329.3	310.1	290.4	269.0	246.1	223.1	203.0	179.5	151.7	124.5	102.9
72.5°	430.5	400.8	370.2	338.7	311.4	283.2	254.3	222.6	189.9	157.9	126.7
70°	538.8	497.8	459.4	421.6	382.2	343.3	309.7	270.5	227.5	190.7	155.0
67.5°	654.1	609.4	560.6	506.9	459.6	413.5	366.3	318.8	270.7	223.0	182.6
65°	785.1	728.6	667.6	608.7	545.9	484.4	431.6	368.9	313.0	260.3	209.6
62.5°	929.1	855.3	789.0	715.0	641.5	569.0	494.7	424.1	355.8	296.7	239.7
60°	1092.3	1011.4	918.2	835.3	746.7	657.8	569.6	477.5	402.9	332.2	270.5
57.5°	1271.7	1176.6	1076.9	967.4	863.4	758.2	644.2	538.4	448.4	370.8	300.2
55°	1459.3	1352.5	1239.9	1119.4	990.9	869.5	722.8	600.8	494.4	408.9	327.7
52.5°	1669.5	1541.6	1411.7	1275.9	1134.5	977.6	810.0	659.7	545.8	445.4	357.0
50°	1911.5	1751.8	1597.5	1441.4	1280.0	1091.3	891.6	730.0	594.2	482.2	384.8
47.5°	2187.6	1993.7	1802.6	1615.2	1436.7	1196.9	981.3	797.2	639.2	521.4	410.7
45°	2473.4	2259.9	2028.4	1811.6	1563.9	1303.7	1068.7	859.0	693.6	555.6	434.6
42.5°	2760.5	2529.3	2280.9	2009.9	1694.6	1405.0	1148.5	928.4	743.8	587.0	459.7
40°	3079.3	2797.9	2532.7	2194.0	1813.5	1497.1	1230.7	993.5	788.9	618.6	484.7
37.5°	3383.3	3072.1	2780.6	2334.5	1922.2	1591.3	1305.7	1051.8	830.2	652.8	507.5
35°	3667.1	3338.0	2905.5	2448.8	2030.0	1671.1	1372.2	1106.8	874.0	682.9	528.0
32.5°	3925.8	3508.3	3001.3	2538.0	2115.6	1736.3	1432.5	1155.7	911.5	709.0	546.1
30°	4102.3	3572.0	3067.1	2602.4	2179.3	1799.4	1481.6	1196.3	942.7	730.9	562.9
27.5°	4111.6	3601.6	3102.3	2642.6	2223.2	1845.7	1518.8	1228.6	967.6	751.3	580.3
25°	4079.4	3588.6	3107.4	2657.5	2246.5	1883.6	1547.4	1252.8	990.6	771.1	594.5
22.5°	4004.0	3542.4	3084.0	2647.5	2272.0	1909.7	1571.1	1273.5	1009.1	786.0	605.6
20°	3908.8	3467.3	3044.6	2657.3	2284.8	1926.4	1588.9	1286.9	1021.0	796.2	613.6
17.5°	3792.1	3407.8	3038.0	2655.5	2284.8	1931.4	1596.9	1293.0	1026.7	801.7	618.6
15°	3738.5	3384.4	3018.1	2641.3	2272.2	1924.9	1595.5	1292.2	1026.3	802.9	622.1
12.5°	3695.4	3347.7	2985.8	2614.9	2247.5	1907.5	1584.9	1284.5	1020.1	802.9	624.7
10°	3640.8	3297.6	2941.0	2576.3	2211.1	1879.7	1565.6	1272.9	1017.1	801.6	624.9
7.5°	3574.4	3234.2	2884.0	2525.7	2167.4	1848.5	1545.9	1259.9	1010.6	796.8	622.7
5°	3497.2	3164.4	2822.7	2477.4	2134.1	1815.5	1519.8	1240.5	999.9	788.9	618.3
2.5°	3413.8	3092.2	2754.0	2418.7	2092.1	1774.5	1486.8	1215.5	985.0	777.9	611.9
0°	3317.0	3007.7	2673.8	2349.2	2041.3	1725.9	1447.2	1185.3	966.3	764.2	603.4
-2.5°	3232.0	2914.9	2587.4	2273.7	1967.4	1667.7	1404.1	1154.9	945.5	750.7	594.5
-5°	3133.1	2810.0	2490.9	2188.5	1885.7	1603.5	1355.7	1120.6	921.4	734.8	583.9
-7.5°	2987.9	2681.9	2380.9	2092.8	1797.3	1534.1	1302.9	1082.9	894.2	716.7	571.7
-10°	2824.3	2536.8	2256.3	1984.7	1711.4	1465.7	1247.1	1042.1	864.5	696.6	558.0
-12.5°	2651.3	2384.0	2124.8	1871.3	1622.8	1398.3	1193.7	1002.2	832.7	674.7	542.9
-15°	2470.2	2224.7	1987.5	1754.1	1531.3	1327.4	1137.8	961.3	801.5	652.3	526.6
-17.5°	2285.9	2060.2	1845.4	1634.3	1438.0	1253.8	1079.8	918.5	768.6	629.9	510.3
-20°	2117.7	1906.5	1700.5	1513.0	1343.8	1177.9	1020.6	873.8	734.1	606.2	493.8



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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°	1949.9	1764.7	1578.7	1400.3	1251.4	1100.5	960.5	827.8	698.6	581.5	476.1
-25°	1782.9	1623.7	1459.8	1306.6	1161.9	1028.6	902.5	780.7	662.1	555.9	457.4
-27.5°	1625.5	1486.2	1340.3	1212.7	1083.7	957.8	846.6	736.0	626.7	529.6	437.7
-30°	1475.4	1354.9	1233.1	1120.9	1006.4	896.1	790.5	691.4	594.4	504.2	417.1
-32.5°	1336.7	1225.4	1130.9	1035.6	935.3	834.9	738.5	647.1	562.0	478.9	397.8
-35°	1207.8	1114.7	1031.6	953.1	866.6	779.4	691.0	603.1	529.6	452.9	378.8
-37.5°	1085.0	1016.6	945.4	875.6	798.3	724.9	646.1	566.8	497.3	426.2	359.4
-40°	984.1	925.7	866.3	802.3	737.7	671.6	601.2	532.5	465.9	398.8	339.7
-42.5°	888.0	842.6	791.3	731.0	681.5	622.3	556.9	497.5	435.5	374.2	319.7
-45°	802.4	763.9	720.2	675.0	627.5	573.5	517.8	462.2	405.1	351.1	300.3
-47.5°	721.8	693.1	657.6	619.9	576.0	526.6	478.4	428.6	374.7	328.0	281.8
-50°	653.8	629.1	600.6	566.4	525.5	483.7	439.6	395.1	349.2	305.2	262.9
-52.5°	594.9	571.3	545.8	514.2	479.4	440.7	403.9	362.2	323.1	283.1	243.7
-55°	539.5	516.4	493.0	466.0	434.8	402.5	368.6	333.1	296.7	261.1	224.4
-57.5°	487.2	464.7	444.6	420.4	394.2	366.0	335.4	303.6	271.4	238.7	207.2
-60°	437.0	418.6	398.8	378.9	356.1	330.5	303.1	274.5	246.2	216.6	189.9
-62.5°	390.8	374.3	357.9	339.8	318.8	295.7	271.0	246.7	220.7	196.8	172.3
-65°	347.4	333.8	318.2	301.1	282.0	261.8	240.9	218.7	197.7	176.7	154.6
-67.5°	306.0	293.4	278.3	262.5	247.3	230.3	210.8	193.1	175.3	156.4	137.1
-70°	265.5	253.3	240.7	228.6	214.9	199.4	183.9	168.4	152.7	136.9	119.5
-72.5°	226.6	216.9	206.8	195.8	184.0	171.2	157.5	144.1	131.5	117.4	101.8
-75°	188.6	181.2	173.4	164.5	154.2	143.1	132.5	121.5	110.3	97.8	86.1
-77.5°	152.2	146.4	140.2	133.8	125.9	117.4	108.4	99.0	89.9	80.8	71.1
-80°	117.8	114.2	110.0	105.0	98.5	91.7	85.1	78.5	71.5	64.0	56.0
-82.5°	85.9	83.4	80.5	77.0	72.6	68.1	63.4	58.5	53.0	47.1	41.3
-85°	56.8	54.8	52.5	49.9	47.2	44.4	41.7	38.8	35.1	31.4	27.6
-87.5°	28.2	27.1	25.9	24.6	23.5	22.2	20.8	19.4	17.6	15.7	13.8
-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°	11.1	9.4	7.6	5.7	3.9	1.9	0.0
85°	22.2	18.7	15.1	11.5	7.7	3.8	0.0
82.5°	33.2	28.0	22.7	17.2	11.6	5.7	0.0
80°	45.2	37.3	30.2	22.9	15.4	7.6	0.0
77.5°	64.2	48.6	37.6	28.5	19.2	9.4	0.0
75°	82.9	63.8	45.8	34.1	22.9	11.3	0.0
72.5°	101.4	78.7	57.4	39.7	26.6	13.1	0.0
70°	120.1	93.3	68.7	45.7	30.3	14.9	0.0
67.5°	143.1	107.6	79.8	53.8	33.9	16.7	0.0
65°	165.4	123.6	90.7	61.7	37.4	18.4	0.0
62.5°	187.0	140.9	101.3	69.4	40.8	20.1	0.0
60°	207.8	157.6	111.6	76.9	44.2	21.8	0.0
57.5°	231.4	173.7	123.9	84.2	48.9	23.4	0.0
55°	254.2	189.1	135.9	91.2	53.5	25.0	0.0
52.5°	275.8	204.2	147.3	98.0	57.9	26.5	0.0
50°	296.2	220.8	158.2	104.5	62.3	27.9	0.0
47.5°	315.6	236.4	168.5	111.1	66.4	29.4	0.0
45°	335.8	250.9	178.2	118.3	70.4	30.7	0.0
42.5°	354.5	264.4	187.3	125.1	74.1	32.0	0.0
40°	371.5	276.7	196.5	131.6	77.7	33.2	0.0
37.5°	386.9	288.0	205.7	137.8	81.1	34.4	0.0
35°	400.6	299.2	214.1	143.6	84.4	35.5	0.0
32.5°	413.7	309.7	221.7	148.9	87.4	36.5	0.0
30°	427.8	319.0	228.5	153.8	90.1	37.5	0.0
27.5°	440.0	326.9	234.9	158.4	92.7	38.4	0.0
25°	450.3	333.6	240.6	162.5	95.1	39.2	0.0
22.5°	458.7	339.5	245.5	166.1	97.2	39.9	0.0
20°	465.3	345.3	249.6	169.3	99.1	40.6	0.0
17.5°	471.2	350.1	252.9	172.1	100.7	41.1	0.0
15°	475.9	353.8	255.4	174.4	102.2	41.6	0.0
12.5°	478.8	356.6	257.2	176.3	103.4	42.0	0.0
10°	480.0	358.3	258.2	177.8	104.3	42.4	0.0
7.5°	479.4	359.1	258.6	178.8	105.0	42.6	0.0
5°	477.3	358.8	258.3	179.3	105.5	42.8	0.0
2.5°	473.7	357.5	257.3	179.5	105.7	42.9	0.0
0°	468.6	355.3	255.7	179.2	105.7	42.9	0.0
-2.5°	463.2	351.9	254.5	178.4	105.4	43.0	0.0
-5°	456.6	347.7	252.6	177.2	105.0	42.9	0.0
-7.5°	448.7	342.5	250.2	175.5	104.2	42.8	0.0
-10°	439.7	336.6	247.3	173.5	103.3	42.6	0.0
-12.5°	429.6	330.0	243.8	171.1	102.1	42.4	0.0
-15°	418.5	322.7	239.7	168.3	100.7	42.0	0.0
-17.5°	406.4	314.8	235.1	165.2	99.2	41.6	0.0
-20°	393.9	306.3	229.9	161.7	97.4	41.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	381.3	297.3	224.3	157.8	95.4	40.4	0.0
-25°	368.0	288.3	218.1	153.7	93.2	39.8	0.0
-27.5°	354.0	279.0	211.5	149.2	90.9	39.0	0.0
-30°	339.3	269.0	204.4	144.4	88.3	38.1	0.0
-32.5°	324.1	258.5	197.1	139.4	85.6	37.2	0.0
-35°	310.0	247.5	189.4	134.1	82.8	36.2	0.0
-37.5°	295.9	236.4	181.3	128.5	79.8	35.1	0.0
-40°	281.4	225.7	172.9	122.7	76.6	34.0	0.0
-42.5°	266.3	214.7	164.5	116.6	73.3	32.8	0.0
-45°	250.8	203.3	156.2	110.4	69.9	31.5	0.0
-47.5°	234.9	191.6	147.6	103.9	66.3	30.1	0.0
-50°	220.4	179.7	138.6	98.1	62.6	28.7	0.0
-52.5°	205.8	167.4	129.5	92.5	58.8	27.2	0.0
-55°	191.1	155.6	120.0	86.6	54.9	25.7	0.0
-57.5°	176.1	143.5	110.3	80.6	50.9	24.1	0.0
-60°	160.9	131.3	100.5	74.4	46.8	22.4	0.0
-62.5°	146.1	118.8	92.2	68.1	43.3	20.7	0.0
-65°	131.1	106.1	83.7	61.7	39.7	19.0	0.0
-67.5°	115.8	94.3	75.0	55.1	36.0	17.2	0.0
-70°	100.4	83.5	66.3	48.5	32.3	15.4	0.0
-72.5°	87.1	72.5	57.4	42.4	28.4	13.6	0.0
-75°	74.0	61.4	48.4	36.5	24.5	11.7	0.0
-77.5°	60.8	50.3	40.3	30.5	20.5	9.8	0.0
-80°	47.5	39.9	32.3	24.5	16.5	7.8	0.0
-82.5°	35.6	30.0	24.3	18.4	12.4	5.9	0.0
-85°	23.7	20.0	16.2	12.3	8.3	3.9	0.0
-87.5°	11.9	10.0	8.1	6.1	4.1	2.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)