

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: P559098 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-940-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559098 (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-940-U-WAF-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (80) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

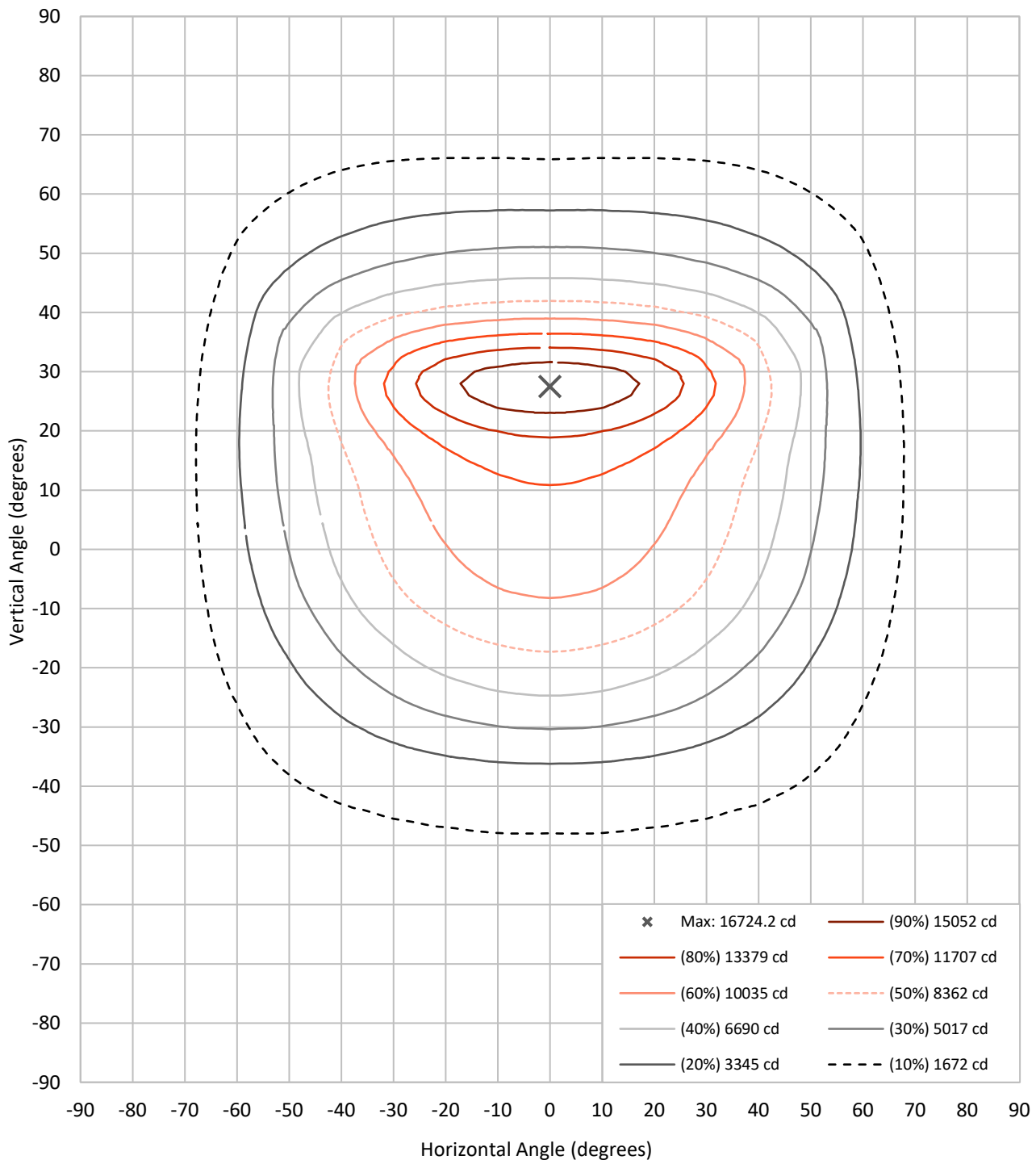
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	24381.1 lumens	Max Intensity:	16724.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	91.7 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:	12645.2 lumens	Field Lumens:	22554.6 lumens
Beam Efficiency:	51.9%	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





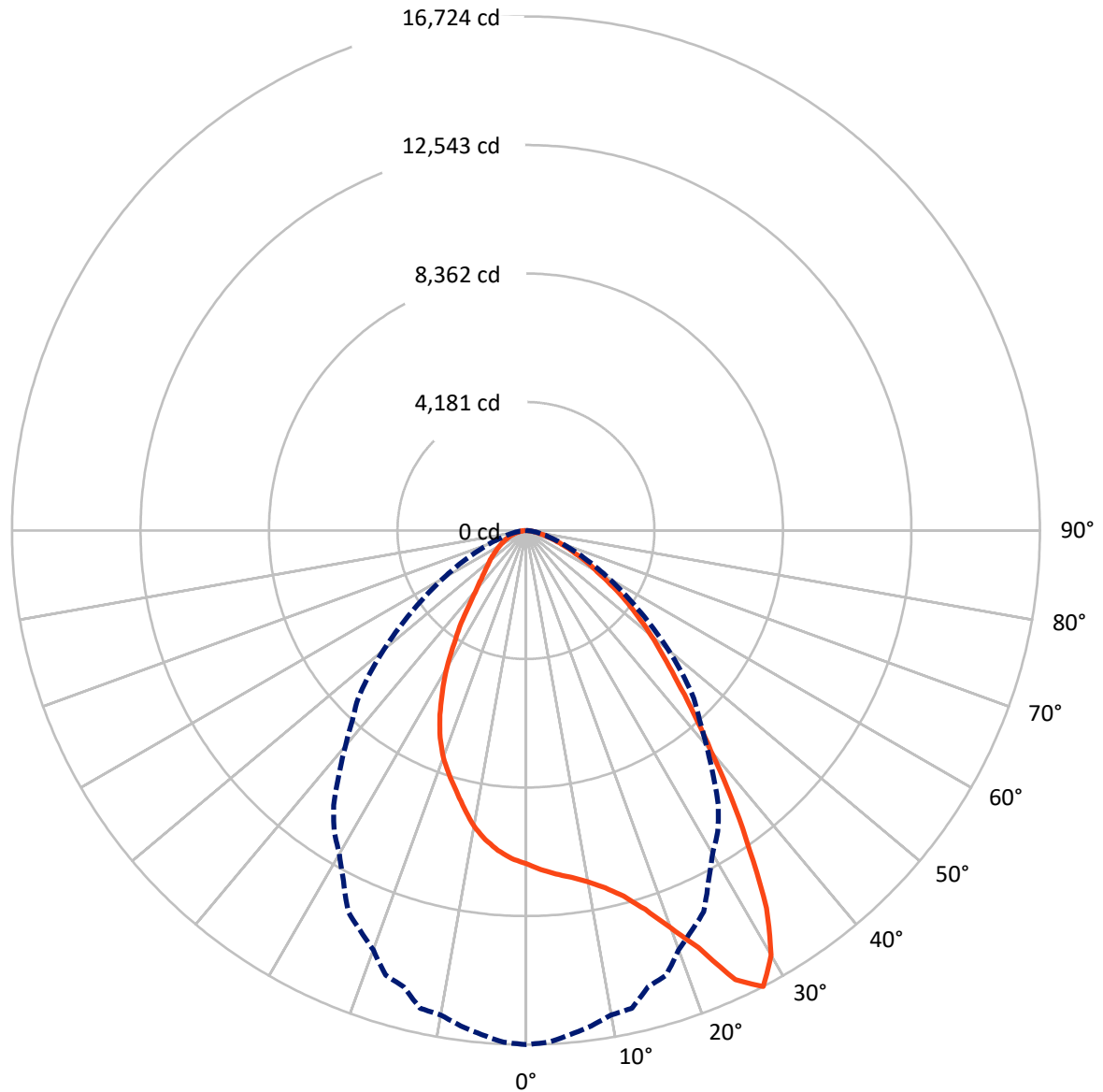
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Lumen Table

90																			
80	1.7	14.6	36.5	47.8	49.6	47.8	36.5	14.6	1.7										
70																			
60	6.6	8.2	18.2	30.7	42.1	50.2	54.8	56.3	56.3	54.8	50.2	42.1	30.7	18.2	8.2				6.6
50		13.6	33.2	57.3	81.1	100.6	113.7	119.8	119.8	113.7	100.6	81.1	57.3	33.2	13.6				
40	11.7	19.6	53.3	97.7	141.9	177.9	202.3	215.0	215.0	202.3	177.9	141.9	97.7	53.3	19.6				11.7
30		25.0	72.7	145.8	229.8	303.6	356.3	382.8	382.8	356.3	303.6	229.8	145.8	72.7	25.0				
20	14.8	28.2	79.3	162.5	260.2	354.7	427.6	467.1	467.1	427.6	354.7	260.2	162.5	79.3	28.2				14.8
10		29.1	78.2	149.1	226.8	296.5	347.9	374.7	374.7	347.9	296.5	226.8	149.1	78.2	29.1				
0	14.8	27.9	73.4	138.4	208.2	269.8	315.4	337.8	337.8	315.4	269.8	208.2	138.4	73.4	27.9				14.8
-10		25.2	64.7	123.4	188.6	246.8	289.7	311.9	311.9	289.7	246.8	188.6	123.4	64.7	25.2				
-20	12.4	21.4	52.1	98.8	154.0	205.4	243.9	264.1	264.1	243.9	205.4	154.0	98.8	52.1	21.4				12.4
-30		17.3	38.9	70.9	109.6	149.0	179.5	197.0	197.0	179.5	149.0	109.6	70.9	38.9	17.3				
-40	8.8	13.4	28.2	47.1	67.8	87.4	103.0	111.7	111.7	103.0	87.4	67.8	47.1	28.2	13.4				8.8
-50		10.1	19.9	30.6	40.8	49.7	56.0	59.2	59.2	56.0	49.7	40.8	30.6	19.9	10.1				
-60	5.0	7.3	13.7	20.3	26.4	31.8	35.9	37.7	37.7	35.9	31.8	26.4	20.3	13.7	7.3				5.0
-70		4.8	8.9	13.0	16.8	20.0	22.1	23.1	23.1	22.1	20.0	16.8	13.0	8.9	4.8				
-80	1.5	9.8	20.9	28.3	30.5	28.3	20.9	9.8	1.5										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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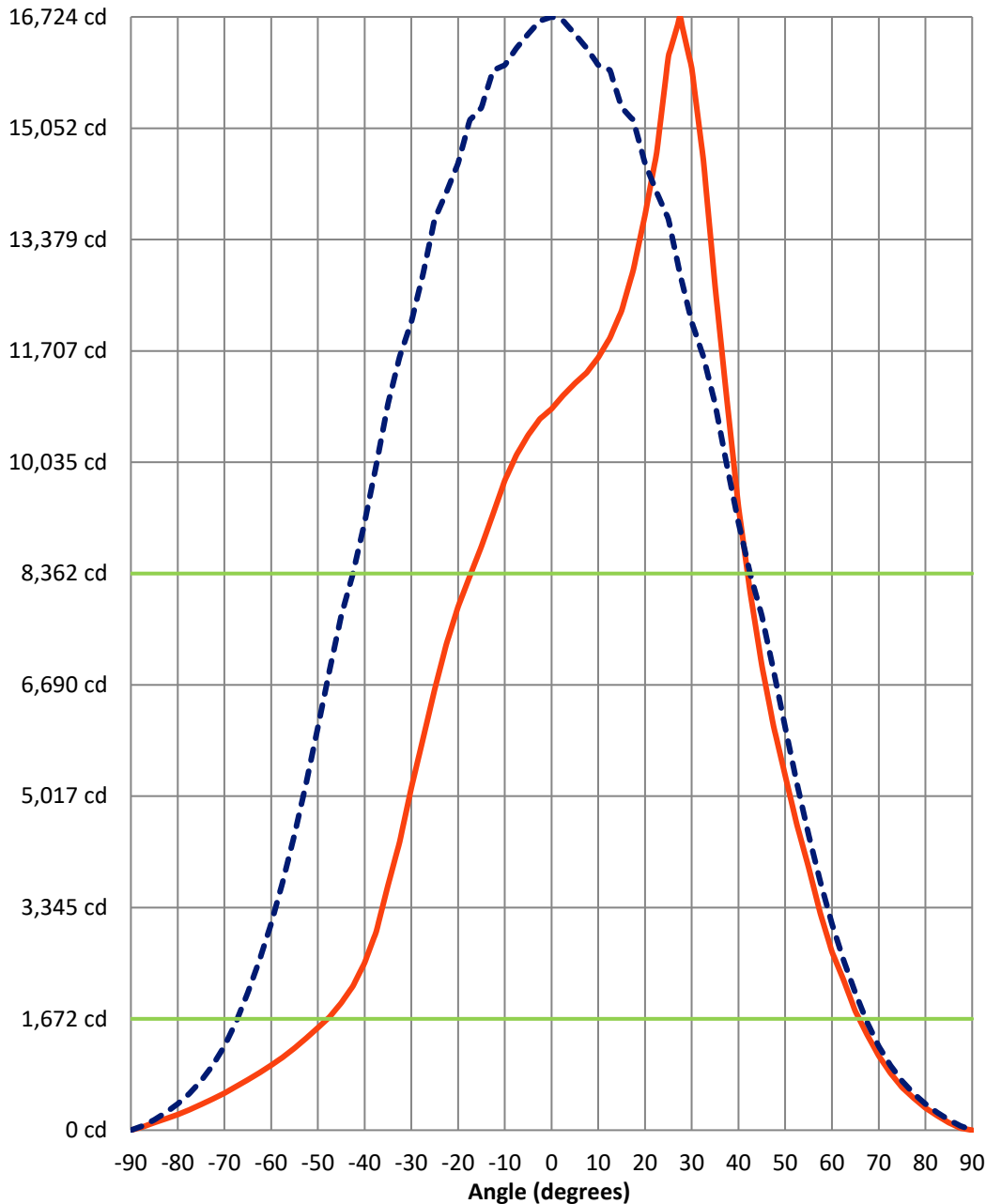
Luminous Intensity Polar Plot



— 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: 12645.2
 Efficiency: 51.9%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 22554.6
 Efficiency: 92.5%

Spill:
 Lumens: 1826.5
 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	3.2	6.5	9.6	12.7	15.7	18.6	21.5	24.2	26.8	29.4
85°	0.0	6.4	13.0	19.3	25.4	31.4	37.2	42.9	48.4	53.6	58.7
82.5°	0.0	9.6	19.4	28.9	38.1	47.1	55.8	64.3	73.9	90.1	107.0
80°	0.0	12.7	25.9	38.4	50.7	62.6	75.9	97.0	119.1	142.1	165.9
77.5°	0.0	15.9	32.2	47.9	63.2	81.7	107.8	135.2	163.8	193.5	228.1
75°	0.0	19.0	38.5	57.3	76.9	107.1	139.3	172.9	209.1	254.8	301.6
72.5°	0.0	22.0	44.7	66.6	96.4	132.2	170.3	212.9	265.2	318.9	373.9
70°	0.0	25.0	50.9	76.7	115.5	156.8	201.8	260.3	320.3	382.1	454.4
67.5°	0.0	28.0	56.9	90.3	134.2	180.9	240.5	306.8	374.5	454.8	535.6
65°	0.0	30.9	62.8	103.6	152.4	207.6	278.0	352.2	437.3	525.8	619.7
62.5°	0.0	33.8	68.6	116.6	170.2	236.8	314.2	402.7	498.5	597.7	712.4
60°	0.0	36.6	74.2	129.3	187.5	264.9	349.2	454.5	558.1	676.9	802.0
57.5°	0.0	39.3	82.1	141.5	208.2	291.9	388.7	504.3	622.9	753.2	904.5
55°	0.0	41.9	89.9	153.3	228.3	317.8	427.1	550.5	686.9	830.4	1009.3
52.5°	0.0	44.4	97.4	164.7	247.5	343.2	463.4	599.7	748.2	916.9	1108.2
50°	0.0	46.9	104.6	175.7	265.8	371.0	497.5	646.4	810.0	998.1	1226.4
47.5°	0.0	49.3	111.5	186.7	283.2	397.1	530.1	689.9	875.9	1073.7	1339.1
45°	0.0	51.6	118.2	198.8	299.5	421.5	564.2	730.1	933.3	1165.2	1442.9
42.5°	0.0	53.7	124.6	210.3	314.7	444.1	595.5	772.1	986.0	1249.5	1559.6
40°	0.0	55.8	130.6	221.2	330.2	464.9	624.1	814.3	1039.2	1325.3	1669.0
37.5°	0.0	57.7	136.3	231.6	345.7	483.8	649.9	852.6	1096.6	1394.6	1767.0
35°	0.0	59.6	141.7	241.2	359.8	502.6	672.9	886.9	1147.2	1468.2	1859.3
32.5°	0.0	61.3	146.8	250.2	372.5	520.3	695.0	917.3	1190.9	1531.3	1941.5
30°	0.0	62.9	151.4	258.5	383.9	535.8	718.7	945.5	1227.7	1583.7	2009.6
27.5°	0.0	64.4	155.7	266.1	394.7	549.2	739.2	974.8	1262.0	1625.5	2063.8
25°	0.0	65.7	159.7	272.9	404.2	560.4	756.5	998.7	1295.3	1664.0	2104.5
22.5°	0.0	67.0	163.2	279.1	412.4	570.3	770.6	1017.3	1320.4	1695.1	2139.3
20°	0.0	68.1	166.4	284.5	419.3	580.0	781.6	1030.8	1337.4	1715.2	2161.8
17.5°	0.0	69.0	169.2	289.1	424.8	588.0	791.5	1039.2	1346.8	1724.7	2172.2
15°	0.0	69.9	171.6	293.0	429.1	594.3	799.4	1045.0	1348.6	1724.1	2170.7
12.5°	0.0	70.6	173.6	296.2	432.1	599.0	804.3	1049.4	1348.6	1713.8	2157.9
10°	0.0	71.1	175.2	298.6	433.8	601.9	806.3	1049.7	1346.4	1708.6	2138.3
7.5°	0.0	71.6	176.4	300.3	434.4	603.1	805.4	1046.1	1338.5	1697.8	2116.4
5°	0.0	71.8	177.1	301.3	433.9	602.7	801.8	1038.7	1325.2	1679.8	2083.9
2.5°	0.0	72.0	177.5	301.5	432.3	600.6	795.7	1027.8	1306.8	1654.8	2041.9
0°	0.0	72.0	177.5	301.0	429.6	596.8	787.2	1013.6	1283.7	1623.3	1991.2
-2.5°	0.0	72.1	177.1	299.6	427.5	591.2	778.2	998.7	1261.0	1588.3	1940.2
-5°	0.0	72.1	176.3	297.6	424.5	584.0	767.0	980.9	1234.3	1547.8	1882.5
-7.5°	0.0	71.9	175.1	294.8	420.4	575.4	753.8	960.3	1204.0	1502.2	1819.1
-10°	0.0	71.6	173.5	291.4	415.4	565.5	738.7	937.3	1170.2	1452.2	1750.7
-12.5°	0.0	71.1	171.5	287.4	409.5	554.4	721.7	912.0	1133.4	1398.9	1683.5
-15°	0.0	70.5	169.2	282.7	402.7	542.1	703.0	884.6	1095.7	1346.5	1614.9
-17.5°	0.0	69.8	166.5	277.4	394.9	528.8	682.7	857.3	1058.1	1291.1	1542.9
-20°	0.0	68.9	163.5	271.6	386.3	514.6	661.6	829.5	1018.3	1233.2	1467.9



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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	67.9	160.2	265.1	376.8	499.5	640.5	799.9	976.9	1173.5	1390.6
-25°	0.0	66.7	156.5	258.2	366.5	484.4	618.2	768.4	933.9	1112.1	1311.5
-27.5°	0.0	65.4	152.6	250.7	355.3	468.7	594.6	735.3	889.8	1052.7	1236.4
-30°	0.0	64.0	148.3	242.7	343.4	452.0	570.1	700.6	847.1	998.5	1161.5
-32.5°	0.0	62.5	143.8	234.2	331.1	434.4	544.5	668.3	804.6	944.1	1086.9
-35°	0.0	60.8	139.0	225.3	318.2	415.8	520.7	636.3	760.8	889.7	1013.1
-37.5°	0.0	59.0	133.9	215.9	304.6	397.2	497.1	603.7	715.9	835.5	952.2
-40°	0.0	57.0	128.6	206.1	290.4	379.2	472.7	570.6	670.0	782.7	894.5
-42.5°	0.0	55.0	123.1	196.0	276.4	360.7	447.4	537.0	628.7	731.7	835.7
-45°	0.0	52.8	117.3	185.5	262.4	341.6	421.4	504.5	589.9	680.6	776.5
-47.5°	0.0	50.6	111.3	174.6	247.9	321.9	394.7	473.4	551.0	629.5	720.0
-50°	0.0	48.2	105.1	164.9	232.9	301.8	370.2	441.7	512.7	586.5	663.7
-52.5°	0.0	45.7	98.8	155.3	217.5	281.2	345.8	409.3	475.5	542.8	608.5
-55°	0.0	43.1	92.2	145.5	201.6	261.3	321.0	377.0	438.6	498.3	559.6
-57.5°	0.0	40.4	85.5	135.4	185.3	241.1	295.8	348.2	401.0	455.8	510.0
-60°	0.0	37.7	78.6	125.0	168.8	220.5	270.3	319.0	364.0	413.5	461.2
-62.5°	0.0	34.8	72.7	114.4	154.8	199.5	245.5	289.4	330.6	370.8	414.5
-65°	0.0	31.9	66.7	103.5	140.6	178.2	220.2	259.6	296.8	332.2	367.4
-67.5°	0.0	28.9	60.5	92.5	126.0	158.4	194.6	230.3	262.7	294.5	324.4
-70°	0.0	25.9	54.1	81.3	111.3	140.2	168.6	200.7	230.0	256.5	283.0
-72.5°	0.0	22.7	47.7	71.2	96.4	121.8	146.3	171.0	197.2	220.9	242.1
-75°	0.0	19.6	41.1	61.3	81.3	103.2	124.3	144.7	164.3	185.4	204.2
-77.5°	0.0	16.4	34.4	51.2	67.6	84.5	102.2	119.5	135.8	151.0	166.3
-80°	0.0	13.2	27.6	41.1	54.2	67.1	79.9	94.1	107.5	120.1	131.8
-82.5°	0.0	9.9	20.8	30.9	40.8	50.4	59.8	69.5	79.2	89.1	98.3
-85°	0.0	6.6	13.9	20.6	27.2	33.7	39.9	46.4	52.7	59.0	65.2
-87.5°	0.0	3.3	6.9	10.3	13.6	16.8	20.0	23.2	26.4	29.5	32.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	30.9	32.2	33.2	34.0	35.2	36.4	37.4	38.2	38.9	39.4	39.8
85°	61.8	64.4	72.0	79.2	86.8	93.7	99.8	105.2	109.5	113.1	115.9
82.5°	120.7	133.6	145.8	157.3	167.8	177.2	186.2	196.5	204.9	211.9	217.6
80°	185.2	202.8	224.2	244.2	262.3	278.8	293.9	307.5	318.1	328.7	339.0
77.5°	260.2	288.7	315.3	339.7	363.4	391.0	416.6	440.0	458.0	471.7	482.2
75°	340.9	374.8	413.5	451.8	487.8	521.0	553.1	592.3	624.3	648.3	667.5
72.5°	427.2	475.8	523.1	569.0	621.9	673.3	723.2	771.4	813.7	844.8	870.0
70°	520.2	576.8	642.1	708.2	771.8	836.4	905.2	967.8	1019.6	1056.2	1091.1
67.5°	615.4	694.7	772.0	851.6	941.7	1023.8	1098.9	1178.2	1247.9	1293.9	1334.1
65°	725.0	813.7	917.1	1022.6	1121.5	1224.0	1318.9	1404.8	1493.0	1557.0	1609.6
62.5°	831.0	955.8	1077.6	1201.1	1325.4	1436.9	1560.8	1671.4	1760.0	1851.6	1930.1
60°	956.8	1105.0	1254.4	1403.3	1542.5	1699.0	1834.9	1963.4	2081.8	2184.0	2280.6
57.5°	1082.3	1273.6	1450.4	1625.1	1809.2	1976.6	2136.4	2280.3	2421.9	2540.2	2656.1
55°	1214.3	1460.6	1664.7	1880.4	2082.9	2272.0	2451.5	2631.8	2782.7	2945.6	3087.4
52.5°	1360.8	1642.2	1905.9	2143.4	2371.6	2589.8	2804.5	3021.5	3233.4	3402.3	3562.5
50°	1497.7	1833.2	2150.3	2421.3	2683.6	2942.7	3211.0	3482.3	3715.9	3909.0	4075.7
47.5°	1648.5	2010.6	2413.5	2713.3	3028.1	3349.1	3674.9	3974.5	4228.9	4491.7	4675.8
45°	1795.4	2190.1	2627.2	3043.3	3407.5	3796.3	4155.1	4485.6	4854.4	5141.4	5387.4
42.5°	1929.4	2360.2	2846.8	3376.3	3831.7	4249.0	4637.3	5102.3	5525.9	5861.4	6168.4
40°	2067.4	2514.9	3046.4	3685.6	4254.7	4700.1	5172.8	5686.7	6238.1	6650.8	7017.8
37.5°	2193.5	2673.2	3229.0	3921.7	4671.1	5160.9	5683.6	6241.0	6869.6	7490.5	7931.7
35°	2305.1	2807.2	3410.2	4113.7	4881.0	5607.4	6160.2	6753.8	7441.8	8247.5	8850.0
32.5°	2406.3	2916.7	3553.9	4263.5	5041.9	5893.6	6594.9	7204.4	7894.7	8726.0	9749.1
30°	2488.8	3022.7	3661.0	4371.7	5152.4	6000.6	6891.4	7555.4	8210.5	9026.3	9978.5
27.5°	2551.4	3100.4	3734.7	4439.3	5211.5	6050.3	6907.1	7726.3	8360.4	9128.1	9994.1
25°	2599.4	3164.1	3773.7	4464.4	5220.2	6028.5	6852.9	7628.2	8340.0	9016.8	9793.9
22.5°	2639.3	3208.0	3816.5	4447.4	5180.8	5950.8	6726.3	7465.4	8154.4	8788.0	9456.5
20°	2669.1	3236.1	3838.1	4464.0	5114.7	5824.7	6566.4	7269.8	7935.3	8548.9	9092.9
17.5°	2682.6	3244.4	3838.1	4460.9	5103.6	5724.7	6370.4	7046.5	7700.8	8310.4	8847.9
15°	2680.2	3233.6	3817.0	4437.1	5070.1	5685.4	6280.3	6838.0	7447.4	8063.6	8599.1
12.5°	2662.4	3204.3	3775.5	4392.7	5015.8	5623.7	6207.8	6767.9	7314.2	7830.3	8342.3
10°	2630.1	3157.6	3714.4	4327.9	4940.6	5539.5	6116.1	6678.1	7218.7	7725.4	8202.2
7.5°	2596.9	3105.2	3641.0	4243.0	4844.8	5433.1	6004.5	6567.5	7097.6	7603.3	8084.7
5°	2553.2	3049.8	3585.0	4161.7	4741.7	5315.7	5874.9	6435.1	6951.1	7461.4	7944.7
2.5°	2497.6	2980.9	3514.4	4063.2	4626.5	5194.4	5734.8	6284.5	6813.6	7304.0	7780.3
0°	2431.1	2899.3	3429.2	3946.3	4491.7	5052.5	5572.2	6109.8	6660.4	7123.4	7589.1
-2.5°	2358.7	2801.6	3305.0	3819.4	4346.6	4896.6	5429.3	5939.1	6477.5	6945.5	7421.1
-5°	2277.4	2693.7	3167.7	3676.4	4184.4	4720.5	5263.2	5747.9	6262.3	6725.1	7192.8
-7.5°	2188.7	2577.2	3019.2	3515.6	3999.6	4505.3	5019.3	5485.6	5985.6	6443.4	6899.0
-10°	2095.0	2462.3	2874.9	3334.0	3790.3	4261.6	4744.4	5201.0	5681.8	6137.7	6576.1
-12.5°	2005.3	2348.9	2726.2	3143.6	3569.4	4004.9	4453.9	4894.7	5350.8	5808.9	6218.7
-15°	1911.3	2229.9	2572.5	2946.7	3338.7	3737.3	4149.7	4566.8	4994.9	5443.0	5821.7
-17.5°	1814.0	2106.1	2415.7	2745.4	3100.0	3460.9	3840.0	4242.7	4634.4	5042.6	5408.8
-20°	1714.4	1978.8	2257.5	2541.7	2856.7	3202.8	3557.4	3918.7	4274.7	4630.2	4974.1



REPORT NUMBER: P559098 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1613.5	1848.7	2102.3	2352.3	2652.1	2964.5	3275.6	3589.3	3908.6	4214.8	4540.0
-25°	1516.0	1727.9	1951.9	2194.9	2452.2	2727.7	2995.1	3260.1	3543.3	3830.3	4110.3
-27.5°	1422.1	1609.0	1820.5	2037.2	2251.6	2496.7	2730.7	2955.5	3202.6	3455.7	3681.9
-30°	1327.9	1505.4	1690.6	1882.9	2071.5	2276.2	2478.5	2675.6	2876.9	3093.7	3289.7
-32.5°	1240.5	1402.6	1571.1	1739.7	1899.7	2058.5	2245.5	2420.6	2585.3	2739.7	2910.8
-35°	1160.7	1309.3	1455.8	1601.1	1733.0	1872.6	2029.0	2176.4	2308.6	2432.6	2563.4
-37.5°	1085.4	1217.7	1341.1	1471.0	1588.1	1707.7	1822.8	1950.4	2057.6	2156.7	2264.0
-40°	1009.9	1128.2	1239.3	1347.7	1455.2	1555.0	1653.2	1740.1	1826.3	1921.6	1995.3
-42.5°	935.5	1045.4	1144.8	1228.1	1329.4	1415.4	1491.7	1563.7	1634.2	1708.5	1767.5
-45°	869.9	963.5	1054.2	1133.9	1209.9	1283.2	1347.9	1404.5	1471.2	1522.8	1567.4
-47.5°	803.6	884.7	967.7	1041.3	1104.8	1164.4	1212.5	1269.3	1324.0	1368.2	1394.3
-50°	738.5	812.6	882.8	951.5	1009.0	1056.9	1098.4	1145.1	1190.6	1228.2	1253.0
-52.5°	678.5	740.3	805.4	863.9	916.9	959.7	999.4	1040.0	1073.3	1099.1	1131.7
-55°	619.1	676.2	730.5	782.9	828.3	867.6	906.3	942.4	971.0	993.3	1020.1
-57.5°	563.4	614.9	662.3	706.3	747.0	780.7	818.5	849.3	875.9	896.8	924.5
-60°	509.1	555.1	598.3	636.6	670.0	703.3	734.1	762.4	785.6	806.3	831.7
-62.5°	455.2	496.8	535.6	570.8	601.2	628.7	656.5	680.6	700.0	721.5	742.5
-65°	404.6	439.7	473.7	505.8	534.5	560.7	583.6	603.1	621.3	640.3	657.3
-67.5°	354.2	386.9	415.4	440.9	467.5	492.8	514.0	532.0	547.3	562.8	577.0
-70°	309.0	335.0	361.1	384.1	404.3	425.5	446.1	463.0	476.5	488.7	500.3
-72.5°	264.7	287.7	309.2	329.0	347.4	364.4	380.6	395.9	408.6	418.1	426.4
-75°	222.5	240.5	259.0	276.4	291.2	304.5	316.9	329.2	339.5	347.6	354.3
-77.5°	182.1	197.2	211.5	224.8	235.5	246.0	255.7	264.5	272.4	278.7	283.2
-80°	143.0	153.9	165.5	176.4	184.7	191.8	197.9	203.1	209.0	215.0	220.2
-82.5°	106.5	114.3	122.0	129.4	135.2	140.1	144.3	148.4	152.6	156.4	159.9
-85°	70.1	74.6	79.2	83.7	88.1	92.0	95.4	98.3	100.6	102.5	104.1
-87.5°	35.0	37.3	39.4	41.3	43.4	45.5	47.4	49.1	50.3	51.3	52.0
-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: P559098 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	40.1	40.2	40.1	39.9	39.6	38.0	36.2	34.3	32.3	33.2	34.2
85°	117.9	118.4	118.0	116.8	115.0	114.8	114.4	113.7	112.6	114.3	115.8
82.5°	221.9	223.6	223.8	222.8	220.5	221.5	221.9	221.4	220.1	221.7	222.7
80°	346.9	350.2	350.4	348.0	343.3	343.9	344.3	343.3	341.0	341.6	341.4
77.5°	494.2	501.8	504.5	503.4	498.7	497.2	493.9	487.1	477.3	477.1	477.3
75°	682.1	689.9	693.9	693.6	689.1	686.1	681.8	674.0	663.0	662.5	662.6
72.5°	889.4	900.8	906.0	910.6	910.6	908.9	903.3	891.7	874.7	872.7	874.8
70°	1118.3	1137.6	1149.8	1159.2	1166.6	1168.2	1164.6	1155.2	1140.3	1136.4	1135.2
67.5°	1373.3	1404.2	1427.5	1443.0	1457.7	1468.2	1472.1	1468.0	1455.9	1451.9	1453.5
65°	1659.2	1706.7	1746.0	1775.3	1795.1	1809.0	1821.2	1828.4	1830.2	1834.5	1840.1
62.5°	1993.1	2051.5	2106.0	2143.2	2162.4	2175.9	2215.1	2237.7	2244.2	2245.6	2254.2
60°	2365.9	2439.7	2507.8	2562.5	2606.7	2640.1	2673.5	2695.6	2703.8	2705.5	2717.4
57.5°	2773.7	2866.3	2946.0	3030.8	3089.8	3124.0	3168.6	3214.6	3238.6	3245.4	3273.7
55°	3224.7	3351.1	3454.5	3545.1	3627.6	3700.1	3761.5	3808.9	3843.9	3865.0	3902.4
52.5°	3723.4	3872.0	3980.1	4086.5	4204.8	4288.2	4342.8	4430.4	4493.8	4528.7	4573.3
50°	4271.0	4436.6	4583.9	4695.5	4833.1	4947.0	5030.1	5113.0	5171.1	5204.3	5247.5
47.5°	4894.4	5098.4	5269.3	5372.8	5532.5	5666.7	5720.7	5783.4	5892.8	5945.3	5991.5
45°	5596.4	5856.4	6046.4	6208.2	6345.5	6496.0	6594.6	6665.7	6773.5	6827.6	6861.7
42.5°	6431.4	6720.8	6971.1	7165.3	7280.8	7476.0	7618.4	7658.4	7811.1	7914.6	7945.0
40°	7368.1	7688.9	8018.9	8240.3	8426.2	8624.5	8859.4	8990.3	9119.3	9220.8	9243.7
37.5°	8344.1	8773.5	9150.2	9436.0	9743.3	10035.8	10284.9	10420.7	10505.4	10699.5	10771.9
35°	9336.3	9779.4	10307.1	10751.4	11123.8	11484.9	11769.0	11992.7	12205.7	12380.5	12485.2
32.5°	10181.3	10658.1	11309.8	11974.8	12376.9	12768.0	13234.6	13490.5	13774.8	14005.0	14173.2
30°	10875.6	11329.0	11922.2	12756.8	13307.4	13703.7	14294.3	14648.2	14957.7	15348.0	15483.8
27.5°	10908.5	11617.0	12141.7	12860.5	13686.7	14089.0	14526.0	15169.3	15364.4	15921.0	16001.1
25°	10622.2	11366.1	11905.3	12505.2	13192.2	13681.6	14080.7	14615.6	14895.6	15253.5	15528.4
22.5°	10174.3	10830.0	11380.0	11888.8	12424.8	12870.4	13235.3	13611.2	13918.6	14196.2	14454.2
20°	9679.8	10302.1	10823.7	11261.2	11686.0	12099.1	12427.3	12743.1	13008.9	13247.3	13394.0
17.5°	9331.4	9779.1	10312.1	10760.3	11128.6	11452.9	11792.3	12056.6	12289.8	12504.3	12638.5
15°	9093.6	9519.4	9898.8	10310.1	10698.2	11007.3	11262.9	11535.6	11737.1	11921.8	12067.2
12.5°	8846.7	9285.5	9682.5	10025.0	10328.9	10666.5	10939.7	11154.2	11365.6	11510.7	11660.0
10°	8640.6	9051.1	9462.9	9824.6	10144.3	10422.5	10681.1	10921.7	11111.5	11274.1	11391.8
7.5°	8520.9	8923.5	9293.6	9640.6	9952.2	10248.7	10515.5	10736.0	10924.1	11092.4	11215.6
5°	8382.1	8780.6	9150.1	9504.7	9804.1	10088.9	10354.6	10581.5	10776.2	10926.1	11044.1
2.5°	8223.0	8616.1	8984.7	9345.3	9644.4	9919.2	10170.6	10391.9	10594.6	10737.5	10838.0
0°	8041.8	8435.4	8795.6	9135.2	9436.2	9732.0	9963.5	10187.3	10385.4	10526.9	10627.3
-2.5°	7859.0	8250.2	8623.0	8948.4	9247.1	9520.3	9766.7	9978.1	10167.3	10308.2	10396.2
-5°	7616.0	8004.8	8372.7	8700.6	9012.7	9286.9	9526.4	9741.4	9923.7	10077.3	10196.7
-7.5°	7321.8	7714.9	8082.4	8417.2	8727.8	8986.9	9217.0	9433.6	9628.1	9796.0	9942.9
-10°	6998.2	7387.1	7734.3	8047.8	8337.3	8600.7	8845.5	9059.4	9237.7	9402.1	9525.8
-12.5°	6621.4	6981.5	7321.1	7630.2	7913.1	8176.9	8409.7	8613.5	8792.9	8938.7	9050.2
-15°	6205.7	6547.4	6869.1	7185.0	7481.3	7741.1	7945.9	8160.6	8316.1	8457.5	8557.9
-17.5°	5760.8	6091.2	6429.7	6746.3	7019.7	7276.0	7501.4	7697.7	7860.9	7990.5	8103.9
-20°	5310.0	5646.6	5972.2	6274.0	6537.0	6774.6	7002.7	7191.3	7358.6	7499.6	7632.5



REPORT NUMBER: P559098 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-940-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4857.2	5165.9	5471.6	5766.9	6015.6	6240.2	6439.9	6620.3	6768.0	6934.2	7051.6
-25°	4392.0	4662.6	4938.7	5199.4	5434.6	5655.4	5836.4	5994.5	6148.5	6309.0	6423.4
-27.5°	3924.7	4163.8	4388.1	4618.8	4824.9	5016.1	5184.2	5322.6	5472.0	5579.2	5705.0
-30°	3462.5	3679.4	3866.4	4027.0	4220.7	4384.8	4515.6	4653.1	4776.5	4878.9	4984.9
-32.5°	3071.1	3219.4	3368.8	3503.0	3631.9	3766.8	3872.1	3992.2	4076.8	4165.0	4250.7
-35°	2694.9	2809.2	2908.4	3034.0	3130.5	3204.0	3291.9	3379.9	3413.8	3509.7	3560.8
-37.5°	2354.3	2429.3	2521.8	2609.3	2681.1	2735.9	2814.2	2860.3	2884.5	2946.6	2979.8
-40°	2062.8	2110.1	2196.5	2256.2	2299.4	2339.2	2404.3	2434.2	2467.4	2498.2	2499.1
-42.5°	1806.3	1867.2	1925.8	1972.7	1999.9	2045.3	2076.0	2079.4	2122.3	2149.8	2154.0
-45°	1596.5	1658.4	1704.8	1739.3	1766.5	1805.6	1825.3	1836.3	1871.4	1890.0	1898.2
-47.5°	1435.4	1478.6	1518.8	1545.4	1581.1	1610.1	1624.5	1642.9	1669.8	1686.9	1699.2
-50°	1293.7	1328.0	1358.5	1382.9	1418.5	1444.2	1458.1	1480.7	1500.8	1513.2	1522.8
-52.5°	1169.1	1199.7	1220.9	1244.6	1274.0	1296.9	1314.5	1337.0	1353.7	1364.6	1373.1
-55°	1052.5	1081.2	1101.9	1127.7	1148.8	1164.1	1179.1	1201.1	1217.5	1228.6	1235.8
-57.5°	949.6	971.2	991.4	1014.9	1034.9	1051.5	1065.0	1077.1	1087.8	1097.0	1104.1
-60°	853.2	870.7	889.3	907.7	922.8	934.8	949.2	960.2	967.1	971.5	977.3
-62.5°	760.5	776.4	792.8	807.6	819.6	829.7	841.3	850.4	856.8	861.4	864.8
-65°	672.4	686.0	700.0	712.3	722.7	731.4	739.6	746.0	750.5	754.3	757.3
-67.5°	590.0	600.8	610.5	619.0	626.8	634.2	641.4	646.3	649.0	652.1	655.3
-70°	510.4	519.0	525.5	530.6	535.2	541.1	548.0	552.8	555.6	558.6	561.5
-72.5°	433.5	439.8	445.1	449.3	451.9	455.7	460.5	464.4	467.4	469.7	470.7
-75°	359.5	364.6	369.3	372.6	374.5	377.2	379.6	381.0	381.2	382.2	382.9
-77.5°	287.1	292.2	296.5	299.7	301.6	303.8	305.5	306.5	306.7	306.8	306.2
-80°	224.1	227.6	230.5	232.6	234.1	235.6	236.5	236.7	236.2	236.7	236.9
-82.5°	162.8	165.9	168.4	170.4	171.7	173.3	174.5	175.4	175.9	176.1	175.9
-85°	105.4	106.8	108.1	109.4	110.5	111.2	111.6	111.7	111.4	111.5	111.3
-87.5°	52.7	52.1	51.2	50.2	49.0	49.3	49.6	49.7	49.7	50.3	50.7
-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: P559098 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-940-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°	35.0	35.9	33.4	30.9	33.4	35.9	35.0	34.2	33.2	32.3	34.3
85°	116.9	117.7	115.6	113.2	115.6	117.7	116.9	115.8	114.3	112.6	113.7
82.5°	223.0	222.6	221.0	218.7	221.0	222.6	223.0	222.7	221.7	220.1	221.4
80°	340.2	338.0	336.6	334.4	336.6	338.0	340.2	341.4	341.6	341.0	343.3
77.5°	476.1	473.5	477.8	481.1	477.8	473.5	476.1	477.3	477.1	477.3	487.1
75°	660.1	655.0	650.1	643.1	650.1	655.0	660.1	662.6	662.5	663.0	674.0
72.5°	873.8	869.8	865.8	859.2	865.8	869.8	873.8	874.8	872.7	874.7	891.7
70°	1128.4	1116.4	1118.4	1119.1	1118.4	1116.4	1128.4	1135.2	1136.4	1140.3	1155.2
67.5°	1448.8	1438.0	1439.4	1438.1	1439.4	1438.0	1448.8	1453.5	1451.9	1455.9	1468.0
65°	1836.7	1824.4	1809.7	1787.9	1809.7	1824.4	1836.7	1840.1	1834.5	1830.2	1828.4
62.5°	2253.1	2242.4	2248.6	2253.6	2248.6	2242.4	2253.1	2254.2	2245.6	2244.2	2237.7
60°	2715.5	2700.4	2692.8	2680.6	2692.8	2700.4	2715.5	2717.4	2705.5	2703.8	2695.6
57.5°	3286.7	3283.9	3277.2	3259.4	3277.2	3283.9	3286.7	3273.7	3245.4	3238.6	3214.6
55°	3920.0	3916.4	3931.0	3948.9	3931.0	3916.4	3920.0	3902.4	3865.0	3843.9	3808.9
52.5°	4606.2	4617.8	4613.6	4589.5	4613.6	4617.8	4606.2	4573.3	4528.7	4493.8	4430.4
50°	5285.5	5298.5	5312.4	5325.2	5312.4	5298.5	5285.5	5247.5	5204.3	5171.1	5113.0
47.5°	6055.4	6089.6	6095.6	6071.2	6095.6	6089.6	6055.4	5991.5	5945.3	5892.8	5783.4
45°	6930.0	6950.8	6961.2	6981.9	6961.2	6950.8	6930.0	6861.7	6827.6	6773.5	6665.7
42.5°	8032.8	8056.7	8060.4	8083.0	8060.4	8056.7	8032.8	7945.0	7914.6	7811.1	7658.4
40°	9341.7	9380.5	9373.8	9364.1	9373.8	9380.5	9341.7	9243.7	9220.8	9119.3	8990.3
37.5°	10874.0	10939.9	10946.8	10987.4	10946.8	10939.9	10874.0	10771.9	10699.5	10505.4	10420.7
35°	12593.5	12671.1	12657.7	12677.6	12657.7	12671.1	12593.5	12485.2	12380.5	12205.7	11992.7
32.5°	14328.1	14444.5	14467.9	14565.9	14467.9	14444.5	14328.1	14173.2	14005.0	13774.8	13490.5
30°	15690.9	15854.0	15960.5	15952.5	15960.5	15854.0	15690.9	15483.8	15348.0	14957.7	14648.2
27.5°	16255.4	16466.8	16664.6	16724.2	16664.6	16466.8	16255.4	16001.1	15921.0	15364.4	15169.3
25°	15704.7	15859.0	16033.7	16127.4	16033.7	15859.0	15704.7	15528.4	15253.5	14895.6	14615.6
22.5°	14572.8	14673.3	14732.8	14684.2	14732.8	14673.3	14572.8	14454.2	14196.2	13918.6	13611.2
20°	13545.9	13672.9	13696.6	13747.8	13696.6	13672.9	13545.9	13394.0	13247.3	13008.9	12743.1
17.5°	12781.5	12864.7	12913.5	12924.6	12913.5	12864.7	12781.5	12638.5	12504.3	12289.8	12056.6
15°	12182.4	12249.1	12292.9	12312.3	12292.9	12249.1	12182.4	12067.2	11921.8	11737.1	11535.6
12.5°	11757.9	11839.2	11879.1	11903.2	11879.1	11839.2	11757.9	11660.0	11510.7	11365.6	11154.2
10°	11485.7	11564.1	11595.7	11607.4	11595.7	11564.1	11485.7	11391.8	11274.1	11111.5	10921.7
7.5°	11290.2	11340.6	11361.9	11378.4	11361.9	11340.6	11290.2	11215.6	11092.4	10924.1	10736.0
5°	11132.5	11172.5	11195.1	11218.9	11195.1	11172.5	11132.5	11044.1	10926.1	10776.2	10581.5
2.5°	10917.8	10975.1	11014.8	11038.9	11014.8	10975.1	10917.8	10838.0	10737.5	10594.6	10391.9
0°	10707.0	10761.0	10789.3	10835.6	10789.3	10761.0	10707.0	10627.3	10526.9	10385.4	10187.3
-2.5°	10475.2	10537.8	10612.1	10683.9	10612.1	10537.8	10475.2	10396.2	10308.2	10167.3	9978.1
-5°	10297.9	10380.6	10396.1	10442.0	10396.1	10380.6	10297.9	10196.7	10077.3	9923.7	9741.4
-7.5°	10030.4	10068.1	10132.2	10143.6	10132.2	10068.1	10030.4	9942.9	9796.0	9628.1	9433.6
-10°	9618.3	9679.5	9719.5	9760.3	9719.5	9679.5	9618.3	9525.8	9402.1	9237.7	9059.4
-12.5°	9134.0	9206.0	9270.3	9261.2	9270.3	9206.0	9134.0	9050.2	8938.7	8792.9	8613.5
-15°	8662.1	8731.7	8775.9	8769.9	8775.9	8731.7	8662.1	8557.9	8457.5	8316.1	8160.6
-17.5°	8193.8	8257.3	8321.2	8319.7	8321.2	8257.3	8193.8	8103.9	7990.5	7860.9	7697.7
-20°	7710.2	7764.6	7833.1	7861.8	7833.1	7764.6	7710.2	7632.5	7499.6	7358.6	7191.3



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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°	7151.0	7220.5	7270.3	7300.9	7270.3	7220.5	7151.0	7051.6	6934.2	6768.0	6620.3
-25°	6499.3	6570.6	6608.5	6621.8	6608.5	6570.6	6499.3	6423.4	6309.0	6148.5	5994.5
-27.5°	5779.1	5859.2	5898.1	5878.3	5898.1	5859.2	5779.1	5705.0	5579.2	5472.0	5322.6
-30°	5040.7	5092.0	5097.9	5142.6	5097.9	5092.0	5040.7	4984.9	4878.9	4776.5	4653.1
-32.5°	4312.0	4346.5	4326.9	4329.6	4326.9	4346.5	4312.0	4250.7	4165.0	4076.8	3992.2
-35°	3592.6	3620.1	3625.6	3676.2	3625.6	3620.1	3592.6	3560.8	3509.7	3413.8	3379.9
-37.5°	3014.3	3025.3	3008.4	2984.2	3008.4	3025.3	3014.3	2979.8	2946.6	2884.5	2860.3
-40°	2523.6	2532.2	2525.9	2513.4	2525.9	2532.2	2523.6	2499.1	2498.2	2467.4	2434.2
-42.5°	2170.8	2170.8	2165.1	2163.5	2165.1	2170.8	2170.8	2154.0	2149.8	2122.3	2079.4
-45°	1910.0	1912.8	1912.3	1911.4	1912.3	1912.8	1910.0	1898.2	1890.0	1871.4	1836.3
-47.5°	1707.8	1708.3	1705.7	1700.5	1705.7	1708.3	1707.8	1699.2	1686.9	1669.8	1642.9
-50°	1528.7	1528.7	1532.2	1538.4	1532.2	1528.7	1528.7	1522.8	1513.2	1500.8	1480.7
-52.5°	1377.5	1377.2	1379.1	1381.5	1379.1	1377.2	1377.5	1373.1	1364.6	1353.7	1337.0
-55°	1239.1	1238.3	1236.5	1232.3	1236.5	1238.3	1239.1	1235.8	1228.6	1217.5	1201.1
-57.5°	1106.7	1105.2	1101.8	1095.9	1101.8	1105.2	1106.7	1104.1	1097.0	1087.8	1077.1
-60°	980.6	981.1	979.5	975.0	979.5	981.1	980.6	977.3	971.5	967.1	960.2
-62.5°	865.6	863.9	863.5	861.8	863.5	863.9	865.6	864.8	861.4	856.8	850.4
-65°	757.9	756.1	756.7	756.3	756.7	756.1	757.9	757.3	754.3	750.5	746.0
-67.5°	656.6	656.0	656.5	656.0	656.5	656.0	656.6	655.3	652.1	649.0	646.3
-70°	563.1	563.4	560.5	555.7	560.5	563.4	563.1	561.5	558.6	555.6	552.8
-72.5°	470.5	468.8	469.0	468.2	469.0	468.8	470.5	470.7	469.7	467.4	464.4
-75°	382.7	381.7	384.1	385.9	384.1	381.7	382.7	382.9	382.2	381.2	381.0
-77.5°	304.7	302.5	304.5	306.1	304.5	302.5	304.7	306.2	306.8	306.7	306.5
-80°	236.6	235.8	235.2	234.1	235.2	235.8	236.6	236.9	236.7	236.2	236.7
-82.5°	175.2	174.2	173.5	172.4	173.5	174.2	175.2	175.9	176.1	175.9	175.4
-85°	110.9	110.2	111.8	113.2	111.8	110.2	110.9	111.3	111.5	111.4	111.7
-87.5°	51.1	51.3	50.2	48.9	50.2	51.3	51.1	50.7	50.3	49.7	49.7
-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):

	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°	36.2	38.0	39.6	39.9	40.1	40.2	40.1	39.8	39.4	38.9	38.2
85°	114.4	114.8	115.0	116.8	118.0	118.4	117.9	115.9	113.1	109.5	105.2
82.5°	221.9	221.5	220.5	222.8	223.8	223.6	221.9	217.6	211.9	204.9	196.5
80°	344.3	343.9	343.3	348.0	350.4	350.2	346.9	339.0	328.7	318.1	307.5
77.5°	493.9	497.2	498.7	503.4	504.5	501.8	494.2	482.2	471.7	458.0	440.0
75°	681.8	686.1	689.1	693.6	693.9	689.9	682.1	667.5	648.3	624.3	592.3
72.5°	903.3	908.9	910.6	910.6	906.0	900.8	889.4	870.0	844.8	813.7	771.4
70°	1164.6	1168.2	1166.6	1159.2	1149.8	1137.6	1118.3	1091.1	1056.2	1019.6	967.8
67.5°	1472.1	1468.2	1457.7	1443.0	1427.5	1404.2	1373.3	1334.1	1293.9	1247.9	1178.2
65°	1821.2	1809.0	1795.1	1775.3	1746.0	1706.7	1659.2	1609.6	1557.0	1493.0	1404.8
62.5°	2215.1	2175.9	2162.4	2143.2	2106.0	2051.5	1993.1	1930.1	1851.6	1760.0	1671.4
60°	2673.5	2640.1	2606.7	2562.5	2507.8	2439.7	2365.9	2280.6	2184.0	2081.8	1963.4
57.5°	3168.6	3124.0	3089.8	3030.8	2946.0	2866.3	2773.7	2656.1	2540.2	2421.9	2280.3
55°	3761.5	3700.1	3627.6	3545.1	3454.5	3351.1	3224.7	3087.4	2945.6	2782.7	2631.8
52.5°	4342.8	4288.2	4204.8	4086.5	3980.1	3872.0	3723.4	3562.5	3402.3	3233.4	3021.5
50°	5030.1	4947.0	4833.1	4695.5	4583.9	4436.6	4271.0	4075.7	3909.0	3715.9	3482.3
47.5°	5720.7	5666.7	5532.5	5372.8	5269.3	5098.4	4894.4	4675.8	4491.7	4228.9	3974.5
45°	6594.6	6496.0	6345.5	6208.2	6046.4	5856.4	5596.4	5387.4	5141.4	4854.4	4485.6
42.5°	7618.4	7476.0	7280.8	7165.3	6971.1	6720.8	6431.4	6168.4	5861.4	5525.9	5102.3
40°	8859.4	8624.5	8426.2	8240.3	8018.9	7688.9	7368.1	7017.8	6650.8	6238.1	5686.7
37.5°	10284.9	10035.8	9743.3	9436.0	9150.2	8773.5	8344.1	7931.7	7490.5	6869.6	6241.0
35°	11769.0	11484.9	11123.8	10751.4	10307.1	9779.4	9336.3	8850.0	8247.5	7441.8	6753.8
32.5°	13234.6	12768.0	12376.9	11974.8	11309.8	10658.1	10181.3	9749.1	8726.0	7894.7	7204.4
30°	14294.3	13703.7	13307.4	12756.8	11922.2	11329.0	10875.6	9978.5	9026.3	8210.5	7555.4
27.5°	14526.0	14089.0	13686.7	12860.5	12141.7	11617.0	10908.5	9994.1	9128.1	8360.4	7726.3
25°	14080.7	13681.6	13192.2	12505.2	11905.3	11366.1	10622.2	9793.9	9016.8	8340.0	7628.2
22.5°	13235.3	12870.4	12424.8	11888.8	11380.0	10830.0	10174.3	9456.5	8788.0	8154.4	7465.4
20°	12427.3	12099.1	11686.0	11261.2	10823.7	10302.1	9679.8	9092.9	8548.9	7935.3	7269.8
17.5°	11792.3	11452.9	11128.6	10760.3	10312.1	9779.1	9331.4	8847.9	8310.4	7700.8	7046.5
15°	11262.9	11007.3	10698.2	10310.1	9898.8	9519.4	9093.6	8599.1	8063.6	7447.4	6838.0
12.5°	10939.7	10666.5	10328.9	10025.0	9682.5	9285.5	8846.7	8342.3	7830.3	7314.2	6767.9
10°	10681.1	10422.5	10144.3	9824.6	9462.9	9051.1	8640.6	8202.2	7725.4	7218.7	6678.1
7.5°	10515.5	10248.7	9952.2	9640.6	9293.6	8923.5	8520.9	8084.7	7603.3	7097.6	6567.5
5°	10354.6	10088.9	9804.1	9504.7	9150.1	8780.6	8382.1	7944.7	7461.4	6951.1	6435.1
2.5°	10170.6	9919.2	9644.4	9345.3	8984.7	8616.1	8223.0	7780.3	7304.0	6813.6	6284.5
0°	9963.5	9732.0	9436.2	9135.2	8795.6	8435.4	8041.8	7589.1	7123.4	6660.4	6109.8
-2.5°	9766.7	9520.3	9247.1	8948.4	8623.0	8250.2	7859.0	7421.1	6945.5	6477.5	5939.1
-5°	9526.4	9286.9	9012.7	8700.6	8372.7	8004.8	7616.0	7192.8	6725.1	6262.3	5747.9
-7.5°	9217.0	8986.9	8727.8	8417.2	8082.4	7714.9	7321.8	6899.0	6443.4	5985.6	5485.6
-10°	8845.5	8600.7	8337.3	8047.8	7734.3	7387.1	6998.2	6576.1	6137.7	5681.8	5201.0
-12.5°	8409.7	8176.9	7913.1	7630.2	7321.1	6981.5	6621.4	6218.7	5808.9	5350.8	4894.7
-15°	7945.9	7741.1	7481.3	7185.0	6869.1	6547.4	6205.7	5821.7	5443.0	4994.9	4566.8
-17.5°	7501.4	7276.0	7019.7	6746.3	6429.7	6091.2	5760.8	5408.8	5042.6	4634.4	4242.7
-20°	7002.7	6774.6	6537.0	6274.0	5972.2	5646.6	5310.0	4974.1	4630.2	4274.7	3918.7



REPORT NUMBER: P559098 (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°	6439.9	6240.2	6015.6	5766.9	5471.6	5165.9	4857.2	4540.0	4214.8	3908.6	3589.3
-25°	5836.4	5655.4	5434.6	5199.4	4938.7	4662.6	4392.0	4110.3	3830.3	3543.3	3260.1
-27.5°	5184.2	5016.1	4824.9	4618.8	4388.1	4163.8	3924.7	3681.9	3455.7	3202.6	2955.5
-30°	4515.6	4384.8	4220.7	4027.0	3866.4	3679.4	3462.5	3289.7	3093.7	2876.9	2675.6
-32.5°	3872.1	3766.8	3631.9	3503.0	3368.8	3219.4	3071.1	2910.8	2739.7	2585.3	2420.6
-35°	3291.9	3204.0	3130.5	3034.0	2908.4	2809.2	2694.9	2563.4	2432.6	2308.6	2176.4
-37.5°	2814.2	2735.9	2681.1	2609.3	2521.8	2429.3	2354.3	2264.0	2156.7	2057.6	1950.4
-40°	2404.3	2339.2	2299.4	2256.2	2196.5	2110.1	2062.8	1995.3	1921.6	1826.3	1740.1
-42.5°	2076.0	2045.3	1999.9	1972.7	1925.8	1867.2	1806.3	1767.5	1708.5	1634.2	1563.7
-45°	1825.3	1805.6	1766.5	1739.3	1704.8	1658.4	1596.5	1567.4	1522.8	1471.2	1404.5
-47.5°	1624.5	1610.1	1581.1	1545.4	1518.8	1478.6	1435.4	1394.3	1368.2	1324.0	1269.3
-50°	1458.1	1444.2	1418.5	1382.9	1358.5	1328.0	1293.7	1253.0	1228.2	1190.6	1145.1
-52.5°	1314.5	1296.9	1274.0	1244.6	1220.9	1199.7	1169.1	1131.7	1099.1	1073.3	1040.0
-55°	1179.1	1164.1	1148.8	1127.7	1101.9	1081.2	1052.5	1020.1	993.3	971.0	942.4
-57.5°	1065.0	1051.5	1034.9	1014.9	991.4	971.2	949.6	924.5	896.8	875.9	849.3
-60°	949.2	934.8	922.8	907.7	889.3	870.7	853.2	831.7	806.3	785.6	762.4
-62.5°	841.3	829.7	819.6	807.6	792.8	776.4	760.5	742.5	721.5	700.0	680.6
-65°	739.6	731.4	722.7	712.3	700.0	686.0	672.4	657.3	640.3	621.3	603.1
-67.5°	641.4	634.2	626.8	619.0	610.5	600.8	590.0	577.0	562.8	547.3	532.0
-70°	548.0	541.1	535.2	530.6	525.5	519.0	510.4	500.3	488.7	476.5	463.0
-72.5°	460.5	455.7	451.9	449.3	445.1	439.8	433.5	426.4	418.1	408.6	395.9
-75°	379.6	377.2	374.5	372.6	369.3	364.6	359.5	354.3	347.6	339.5	329.2
-77.5°	305.5	303.8	301.6	299.7	296.5	292.2	287.1	283.2	278.7	272.4	264.5
-80°	236.5	235.6	234.1	232.6	230.5	227.6	224.1	220.2	215.0	209.0	203.1
-82.5°	174.5	173.3	171.7	170.4	168.4	165.9	162.8	159.9	156.4	152.6	148.4
-85°	111.6	111.2	110.5	109.4	108.1	106.8	105.4	104.1	102.5	100.6	98.3
-87.5°	49.6	49.3	49.0	50.2	51.2	52.1	52.7	52.0	51.3	50.3	49.1
-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: P559098 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-940-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°	37.4	36.4	35.2	34.0	33.2	32.2	30.9	29.4	26.8	24.2	21.5
85°	99.8	93.7	86.8	79.2	72.0	64.4	61.8	58.7	53.6	48.4	42.9
82.5°	186.2	177.2	167.8	157.3	145.8	133.6	120.7	107.0	90.1	73.9	64.3
80°	293.9	278.8	262.3	244.2	224.2	202.8	185.2	165.9	142.1	119.1	97.0
77.5°	416.6	391.0	363.4	339.7	315.3	288.7	260.2	228.1	193.5	163.8	135.2
75°	553.1	521.0	487.8	451.8	413.5	374.8	340.9	301.6	254.8	209.1	172.9
72.5°	723.2	673.3	621.9	569.0	523.1	475.8	427.2	373.9	318.9	265.2	212.9
70°	905.2	836.4	771.8	708.2	642.1	576.8	520.2	454.4	382.1	320.3	260.3
67.5°	1098.9	1023.8	941.7	851.6	772.0	694.7	615.4	535.6	454.8	374.5	306.8
65°	1318.9	1224.0	1121.5	1022.6	917.1	813.7	725.0	619.7	525.8	437.3	352.2
62.5°	1560.8	1436.9	1325.4	1201.1	1077.6	955.8	831.0	712.4	597.7	498.5	402.7
60°	1834.9	1699.0	1542.5	1403.3	1254.4	1105.0	956.8	802.0	676.9	558.1	454.5
57.5°	2136.4	1976.6	1809.2	1625.1	1450.4	1273.6	1082.3	904.5	753.2	622.9	504.3
55°	2451.5	2272.0	2082.9	1880.4	1664.7	1460.6	1214.3	1009.3	830.4	686.9	550.5
52.5°	2804.5	2589.8	2371.6	2143.4	1905.9	1642.2	1360.8	1108.2	916.9	748.2	599.7
50°	3211.0	2942.7	2683.6	2421.3	2150.3	1833.2	1497.7	1226.4	998.1	810.0	646.4
47.5°	3674.9	3349.1	3028.1	2713.3	2413.5	2010.6	1648.5	1339.1	1073.7	875.9	689.9
45°	4155.1	3796.3	3407.5	3043.3	2627.2	2190.1	1795.4	1442.9	1165.2	933.3	730.1
42.5°	4637.3	4249.0	3831.7	3376.3	2846.8	2360.2	1929.4	1559.6	1249.5	986.0	772.1
40°	5172.8	4700.1	4254.7	3685.6	3046.4	2514.9	2067.4	1669.0	1325.3	1039.2	814.3
37.5°	5683.6	5160.9	4671.1	3921.7	3229.0	2673.2	2193.5	1767.0	1394.6	1096.6	852.6
35°	6160.2	5607.4	4881.0	4113.7	3410.2	2807.2	2305.1	1859.3	1468.2	1147.2	886.9
32.5°	6594.9	5893.6	5041.9	4263.5	3553.9	2916.7	2406.3	1941.5	1531.3	1190.9	917.3
30°	6891.4	6000.6	5152.4	4371.7	3661.0	3022.7	2488.8	2009.6	1583.7	1227.7	945.5
27.5°	6907.1	6050.3	5211.5	4439.3	3734.7	3100.4	2551.4	2063.8	1625.5	1262.0	974.8
25°	6852.9	6028.5	5220.2	4464.4	3773.7	3164.1	2599.4	2104.5	1664.0	1295.3	998.7
22.5°	6726.3	5950.8	5180.8	4447.4	3816.5	3208.0	2639.3	2139.3	1695.1	1320.4	1017.3
20°	6566.4	5824.7	5114.7	4464.0	3838.1	3236.1	2669.1	2161.8	1715.2	1337.4	1030.8
17.5°	6370.4	5724.7	5103.6	4460.9	3838.1	3244.4	2682.6	2172.2	1724.7	1346.8	1039.2
15°	6280.3	5685.4	5070.1	4437.1	3817.0	3233.6	2680.2	2170.7	1724.1	1348.6	1045.0
12.5°	6207.8	5623.7	5015.8	4392.7	3775.5	3204.3	2662.4	2157.9	1713.8	1348.6	1049.4
10°	6116.1	5539.5	4940.6	4327.9	3714.4	3157.6	2630.1	2138.3	1708.6	1346.4	1049.7
7.5°	6004.5	5433.1	4844.8	4243.0	3641.0	3105.2	2596.9	2116.4	1697.8	1338.5	1046.1
5°	5874.9	5315.7	4741.7	4161.7	3585.0	3049.8	2553.2	2083.9	1679.8	1325.2	1038.7
2.5°	5734.8	5194.4	4626.5	4063.2	3514.4	2980.9	2497.6	2041.9	1654.8	1306.8	1027.8
0°	5572.2	5052.5	4491.7	3946.3	3429.2	2899.3	2431.1	1991.2	1623.3	1283.7	1013.6
-2.5°	5429.3	4896.6	4346.6	3819.4	3305.0	2801.6	2358.7	1940.2	1588.3	1261.0	998.7
-5°	5263.2	4720.5	4184.4	3676.4	3167.7	2693.7	2277.4	1882.5	1547.8	1234.3	980.9
-7.5°	5019.3	4505.3	3999.6	3515.6	3019.2	2577.2	2188.7	1819.1	1502.2	1204.0	960.3
-10°	4744.4	4261.6	3790.3	3334.0	2874.9	2462.3	2095.0	1750.7	1452.2	1170.2	937.3
-12.5°	4453.9	4004.9	3569.4	3143.6	2726.2	2348.9	2005.3	1683.5	1398.9	1133.4	912.0
-15°	4149.7	3737.3	3338.7	2946.7	2572.5	2229.9	1911.3	1614.9	1346.5	1095.7	884.6
-17.5°	3840.0	3460.9	3100.0	2745.4	2415.7	2106.1	1814.0	1542.9	1291.1	1058.1	857.3
-20°	3557.4	3202.8	2856.7	2541.7	2257.5	1978.8	1714.4	1467.9	1233.2	1018.3	829.5



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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°	3275.6	2964.5	2652.1	2352.3	2102.3	1848.7	1613.5	1390.6	1173.5	976.9	799.9
-25°	2995.1	2727.7	2452.2	2194.9	1951.9	1727.9	1516.0	1311.5	1112.1	933.9	768.4
-27.5°	2730.7	2496.7	2251.6	2037.2	1820.5	1609.0	1422.1	1236.4	1052.7	889.8	735.3
-30°	2478.5	2276.2	2071.5	1882.9	1690.6	1505.4	1327.9	1161.5	998.5	847.1	700.6
-32.5°	2245.5	2058.5	1899.7	1739.7	1571.1	1402.6	1240.5	1086.9	944.1	804.6	668.3
-35°	2029.0	1872.6	1733.0	1601.1	1455.8	1309.3	1160.7	1013.1	889.7	760.8	636.3
-37.5°	1822.8	1707.7	1588.1	1471.0	1341.1	1217.7	1085.4	952.2	835.5	715.9	603.7
-40°	1653.2	1555.0	1455.2	1347.7	1239.3	1128.2	1009.9	894.5	782.7	670.0	570.6
-42.5°	1491.7	1415.4	1329.4	1228.1	1144.8	1045.4	935.5	835.7	731.7	628.7	537.0
-45°	1347.9	1283.2	1209.9	1133.9	1054.2	963.5	869.9	776.5	680.6	589.9	504.5
-47.5°	1212.5	1164.4	1104.8	1041.3	967.7	884.7	803.6	720.0	629.5	551.0	473.4
-50°	1098.4	1056.9	1009.0	951.5	882.8	812.6	738.5	663.7	586.5	512.7	441.7
-52.5°	999.4	959.7	916.9	863.9	805.4	740.3	678.5	608.5	542.8	475.5	409.3
-55°	906.3	867.6	828.3	782.9	730.5	676.2	619.1	559.6	498.3	438.6	377.0
-57.5°	818.5	780.7	747.0	706.3	662.3	614.9	563.4	510.0	455.8	401.0	348.2
-60°	734.1	703.3	670.0	636.6	598.3	555.1	509.1	461.2	413.5	364.0	319.0
-62.5°	656.5	628.7	601.2	570.8	535.6	496.8	455.2	414.5	370.8	330.6	289.4
-65°	583.6	560.7	534.5	505.8	473.7	439.7	404.6	367.4	332.2	296.8	259.6
-67.5°	514.0	492.8	467.5	440.9	415.4	386.9	354.2	324.4	294.5	262.7	230.3
-70°	446.1	425.5	404.3	384.1	361.1	335.0	309.0	283.0	256.5	230.0	200.7
-72.5°	380.6	364.4	347.4	329.0	309.2	287.7	264.7	242.1	220.9	197.2	171.0
-75°	316.9	304.5	291.2	276.4	259.0	240.5	222.5	204.2	185.4	164.3	144.7
-77.5°	255.7	246.0	235.5	224.8	211.5	197.2	182.1	166.3	151.0	135.8	119.5
-80°	197.9	191.8	184.7	176.4	165.5	153.9	143.0	131.8	120.1	107.5	94.1
-82.5°	144.3	140.1	135.2	129.4	122.0	114.3	106.5	98.3	89.1	79.2	69.5
-85°	95.4	92.0	88.1	83.7	79.2	74.6	70.1	65.2	59.0	52.7	46.4
-87.5°	47.4	45.5	43.4	41.3	39.4	37.3	35.0	32.6	29.5	26.4	23.2
-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):

	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°	18.6	15.7	12.7	9.6	6.5	3.2	0.0
85°	37.2	31.4	25.4	19.3	13.0	6.4	0.0
82.5°	55.8	47.1	38.1	28.9	19.4	9.6	0.0
80°	75.9	62.6	50.7	38.4	25.9	12.7	0.0
77.5°	107.8	81.7	63.2	47.9	32.2	15.9	0.0
75°	139.3	107.1	76.9	57.3	38.5	19.0	0.0
72.5°	170.3	132.2	96.4	66.6	44.7	22.0	0.0
70°	201.8	156.8	115.5	76.7	50.9	25.0	0.0
67.5°	240.5	180.9	134.2	90.3	56.9	28.0	0.0
65°	278.0	207.6	152.4	103.6	62.8	30.9	0.0
62.5°	314.2	236.8	170.2	116.6	68.6	33.8	0.0
60°	349.2	264.9	187.5	129.3	74.2	36.6	0.0
57.5°	388.7	291.9	208.2	141.5	82.1	39.3	0.0
55°	427.1	317.8	228.3	153.3	89.9	41.9	0.0
52.5°	463.4	343.2	247.5	164.7	97.4	44.4	0.0
50°	497.5	371.0	265.8	175.7	104.6	46.9	0.0
47.5°	530.1	397.1	283.2	186.7	111.5	49.3	0.0
45°	564.2	421.5	299.5	198.8	118.2	51.6	0.0
42.5°	595.5	444.1	314.7	210.3	124.6	53.7	0.0
40°	624.1	464.9	330.2	221.2	130.6	55.8	0.0
37.5°	649.9	483.8	345.7	231.6	136.3	57.7	0.0
35°	672.9	502.6	359.8	241.2	141.7	59.6	0.0
32.5°	695.0	520.3	372.5	250.2	146.8	61.3	0.0
30°	718.7	535.8	383.9	258.5	151.4	62.9	0.0
27.5°	739.2	549.2	394.7	266.1	155.7	64.4	0.0
25°	756.5	560.4	404.2	272.9	159.7	65.7	0.0
22.5°	770.6	570.3	412.4	279.1	163.2	67.0	0.0
20°	781.6	580.0	419.3	284.5	166.4	68.1	0.0
17.5°	791.5	588.0	424.8	289.1	169.2	69.0	0.0
15°	799.4	594.3	429.1	293.0	171.6	69.9	0.0
12.5°	804.3	599.0	432.1	296.2	173.6	70.6	0.0
10°	806.3	601.9	433.8	298.6	175.2	71.1	0.0
7.5°	805.4	603.1	434.4	300.3	176.4	71.6	0.0
5°	801.8	602.7	433.9	301.3	177.1	71.8	0.0
2.5°	795.7	600.6	432.3	301.5	177.5	72.0	0.0
0°	787.2	596.8	429.6	301.0	177.5	72.0	0.0
-2.5°	778.2	591.2	427.5	299.6	177.1	72.1	0.0
-5°	767.0	584.0	424.5	297.6	176.3	72.1	0.0
-7.5°	753.8	575.4	420.4	294.8	175.1	71.9	0.0
-10°	738.7	565.5	415.4	291.4	173.5	71.6	0.0
-12.5°	721.7	554.4	409.5	287.4	171.5	71.1	0.0
-15°	703.0	542.1	402.7	282.7	169.2	70.5	0.0
-17.5°	682.7	528.8	394.9	277.4	166.5	69.8	0.0
-20°	661.6	514.6	386.3	271.6	163.5	68.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	640.5	499.5	376.8	265.1	160.2	67.9	0.0
-25°	618.2	484.4	366.5	258.2	156.5	66.7	0.0
-27.5°	594.6	468.7	355.3	250.7	152.6	65.4	0.0
-30°	570.1	452.0	343.4	242.7	148.3	64.0	0.0
-32.5°	544.5	434.4	331.1	234.2	143.8	62.5	0.0
-35°	520.7	415.8	318.2	225.3	139.0	60.8	0.0
-37.5°	497.1	397.2	304.6	215.9	133.9	59.0	0.0
-40°	472.7	379.2	290.4	206.1	128.6	57.0	0.0
-42.5°	447.4	360.7	276.4	196.0	123.1	55.0	0.0
-45°	421.4	341.6	262.4	185.5	117.3	52.8	0.0
-47.5°	394.7	321.9	247.9	174.6	111.3	50.6	0.0
-50°	370.2	301.8	232.9	164.9	105.1	48.2	0.0
-52.5°	345.8	281.2	217.5	155.3	98.8	45.7	0.0
-55°	321.0	261.3	201.6	145.5	92.2	43.1	0.0
-57.5°	295.8	241.1	185.3	135.4	85.5	40.4	0.0
-60°	270.3	220.5	168.8	125.0	78.6	37.7	0.0
-62.5°	245.5	199.5	154.8	114.4	72.7	34.8	0.0
-65°	220.2	178.2	140.6	103.5	66.7	31.9	0.0
-67.5°	194.6	158.4	126.0	92.5	60.5	28.9	0.0
-70°	168.6	140.2	111.3	81.3	54.1	25.9	0.0
-72.5°	146.3	121.8	96.4	71.2	47.7	22.7	0.0
-75°	124.3	103.2	81.3	61.3	41.1	19.6	0.0
-77.5°	102.2	84.5	67.6	51.2	34.4	16.4	0.0
-80°	79.9	67.1	54.2	41.1	27.6	13.2	0.0
-82.5°	59.8	50.4	40.8	30.9	20.8	9.9	0.0
-85°	39.9	33.7	27.2	20.6	13.9	6.6	0.0
-87.5°	20.0	16.8	13.6	10.3	6.9	3.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)