

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: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-930-U-MWR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5E-930-U-MWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQUARE, MEDIUM WIDE SYMMETRICAL ROUND N5
Light Source: (80) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

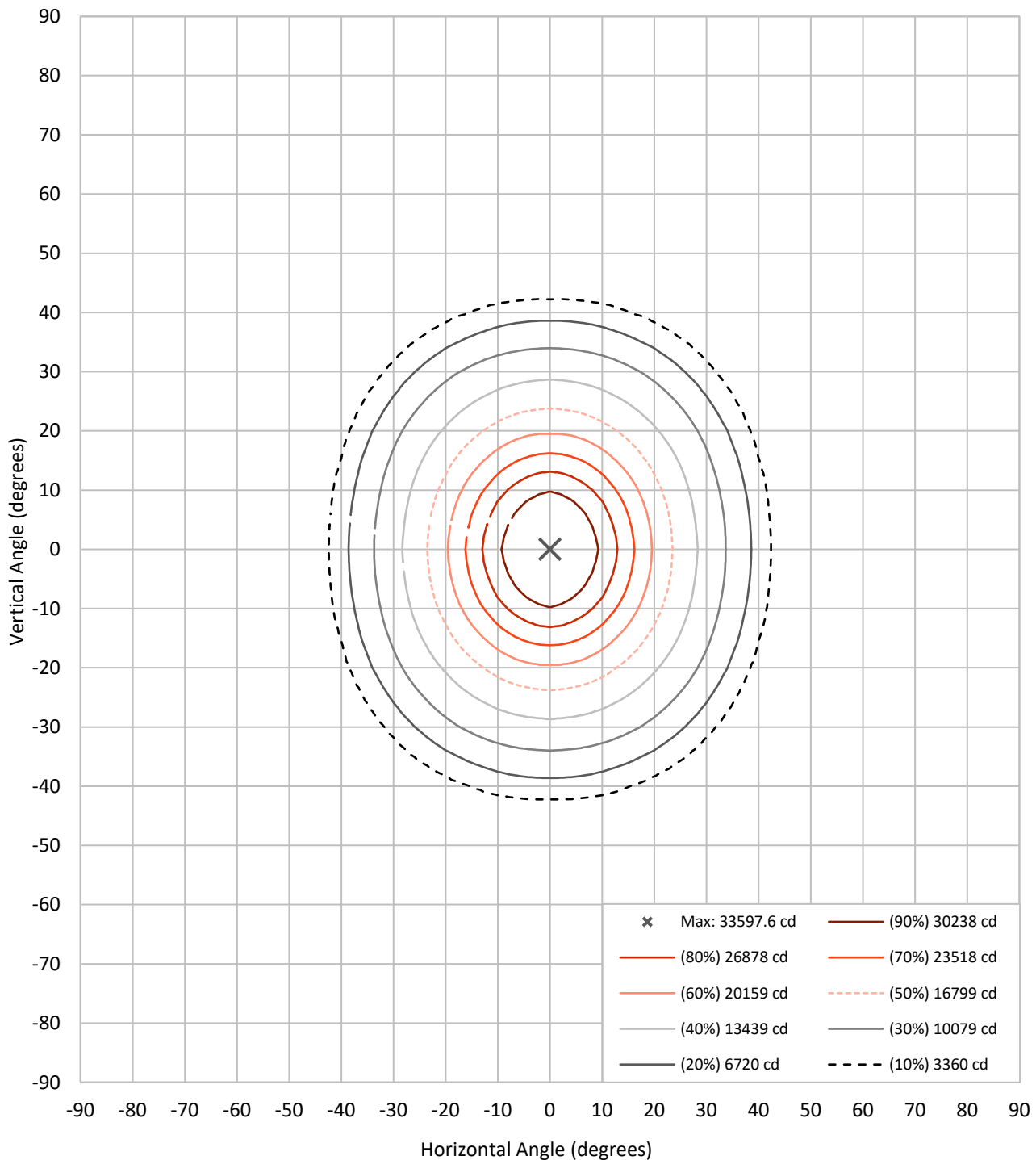
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	26153.9 lumens	Max Intensity:	33597.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	85.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47°H x 47.6°V	Field Angle (10%):	84.6°H x 84.3°V
Beam Lumens:	12341.2 lumens	Field Lumens:	23747.7 lumens
Beam Efficiency:	47.2%	Field Efficiency:	90.8%

Input Watts (W): 307
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



REPORT NUMBER: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





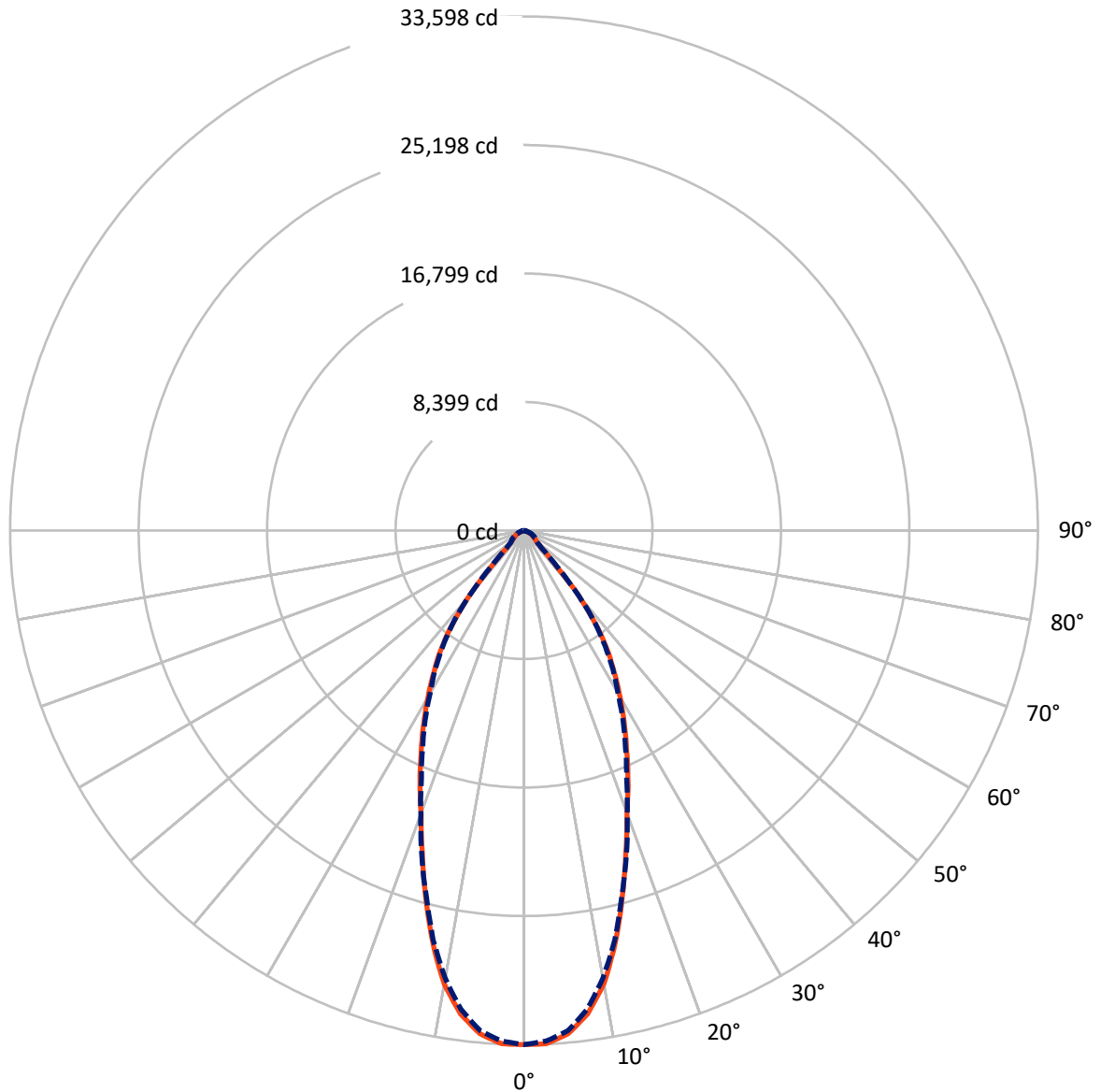
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Lumen Table

90																			
80	0.4	3.2		7.2		11.8		9.2		11.8		7.2		3.2		0.4			
70																			
60	1.8	2.1	3.8	5.9	8.3	10.4	12.0	13.0	13.0	12.0	10.4	8.3	5.9	3.8	2.1	1.8			
50		3.2	6.3	10.5	15.0	18.8	21.4	23.6	23.6	21.4	18.8	15.0	10.5	6.3	3.2				
40	2.8	4.2	8.7	14.7	21.4	29.3	46.5	65.1	65.1	46.5	29.3	21.4	14.7	8.7	4.2	2.8			
30		5.1	10.9	18.3	34.5	110.2	214.6	273.4	273.4	214.6	110.2	34.5	18.3	10.9	5.1				
20	3.1	5.9	12.8	23.0	100.8	263.3	388.5	470.5	470.5	388.5	263.3	100.8	23.0	12.8	5.9	3.1			
10		6.6	14.2	35.2	183.2	363.4	552.2	718.7	718.7	552.2	363.4	183.2	35.2	14.2	6.6				
0	3.2	7.0	15.4	48.6	223.3	424.1	694.5	939.4	939.4	694.5	424.1	223.3	48.6	15.4	7.0	3.2			
-10		7.0	15.4	48.6	223.3	424.1	694.5	939.4	939.4	694.5	424.1	223.3	48.6	15.4	7.0				
-20	3.1	6.6	14.2	35.2	183.2	363.4	552.2	718.7	718.7	552.2	363.4	183.2	35.2	14.2	6.6	3.1			
-30		5.9	12.8	23.0	100.8	263.3	388.5	470.5	470.5	388.5	263.3	100.8	23.0	12.8	5.9				
-40	2.8	5.1	10.9	18.3	34.5	110.2	214.6	273.4	273.4	214.6	110.2	34.5	18.3	10.9	5.1	2.8			
-50		4.2	8.7	14.7	21.4	29.3	46.5	65.1	65.1	46.5	29.3	21.4	14.7	8.7	4.2				
-60	1.8	3.2	6.3	10.5	15.0	18.8	21.4	23.6	23.6	21.4	18.8	15.0	10.5	6.3	3.2	1.8			
-70		2.1	3.8	5.9	8.3	10.4	12.0	13.0	13.0	12.0	10.4	8.3	5.9	3.8	2.1				
-80																			
-90	0.4	3.2		7.2		11.8		9.2		11.8		7.2		3.2		0.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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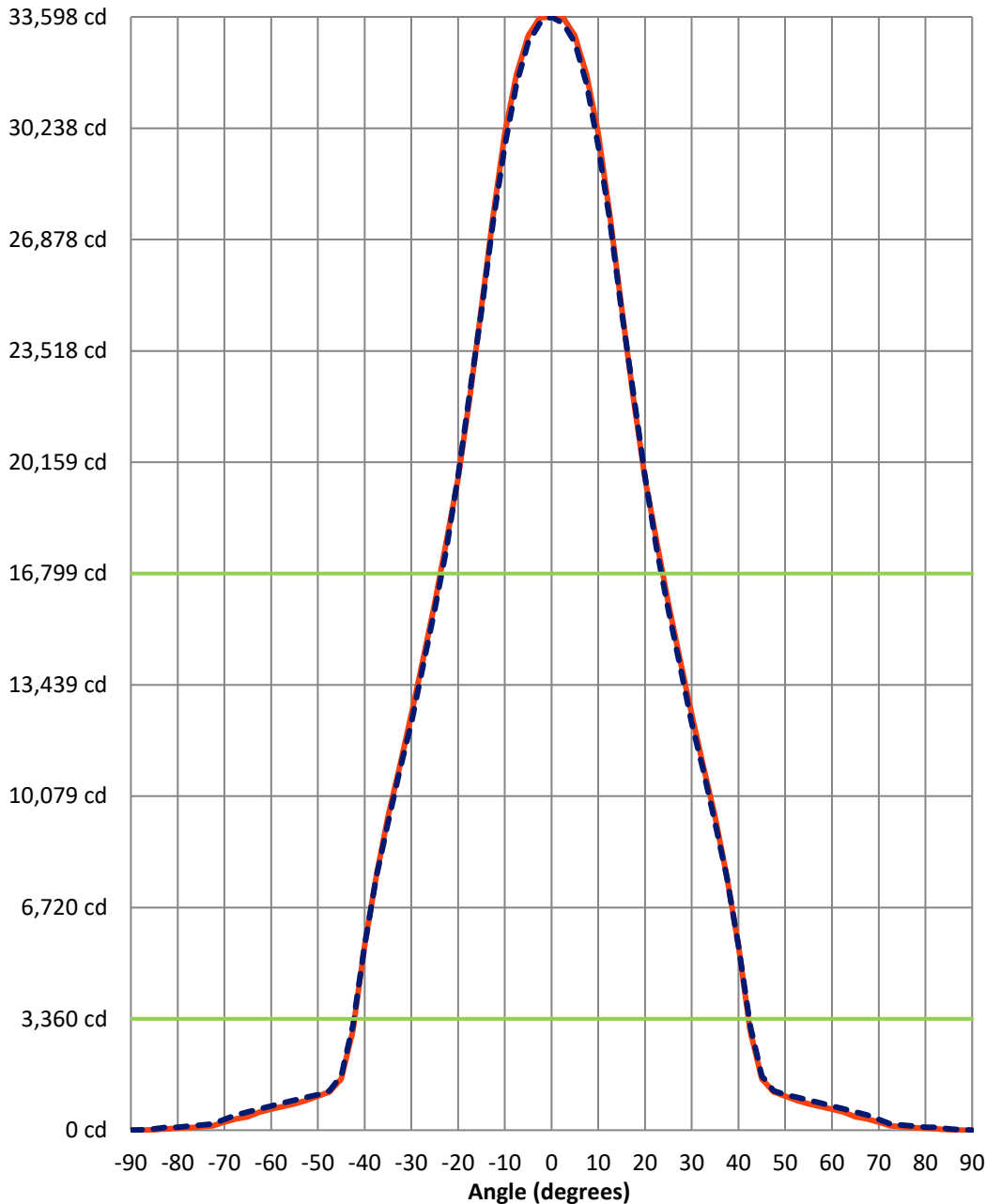
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 47°
V Angle: 47.6°
Lumens: 12341.2
Efficiency: 47.2%

Field:
H Angle: 84.6°
V Angle: 84.3°
Lumens: 23747.7
Efficiency: 90.8%

Spill:
Lumens: 2406.2
Efficiency: 9.2%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.5	1.1	1.8	2.6	3.6	4.6	5.1	5.6	6.0	6.4
85°	0.0	1.1	2.2	3.6	5.2	7.1	9.1	10.3	11.2	12.1	12.8
82.5°	0.0	1.6	3.3	5.4	7.8	10.6	13.7	15.4	17.3	20.7	23.2
80°	0.0	2.2	4.4	7.2	10.4	14.1	18.9	25.0	29.8	33.6	36.2
77.5°	0.0	2.7	5.4	8.9	13.0	19.2	29.6	36.9	42.4	46.5	50.3
75°	0.0	3.3	6.5	10.6	16.1	27.4	40.1	48.9	55.4	62.4	67.7
72.5°	0.0	3.8	7.6	12.3	22.0	35.3	50.3	61.7	71.5	79.4	85.3
70°	0.0	4.3	8.6	14.4	27.8	43.1	60.6	76.7	87.7	96.6	110.5
67.5°	0.0	4.8	9.6	18.3	33.4	50.6	72.5	91.7	104.0	118.4	136.6
65°	0.0	5.3	10.6	22.1	38.9	58.7	84.0	106.8	121.1	139.2	161.2
62.5°	0.0	5.8	11.6	25.8	44.1	67.3	95.0	120.3	137.3	159.3	183.9
60°	0.0	6.3	12.6	29.4	49.1	75.4	105.4	132.7	152.8	179.7	206.3
57.5°	0.0	6.8	14.8	32.7	54.8	83.1	112.5	143.7	170.0	199.7	225.9
55°	0.0	7.2	17.0	36.0	60.3	90.3	118.5	151.7	187.6	218.6	243.9
52.5°	0.0	7.7	19.0	39.0	65.4	96.5	123.6	162.6	204.7	234.6	261.6
50°	0.0	8.1	21.1	41.9	70.2	99.6	127.9	172.8	220.6	250.3	281.1
47.5°	0.0	8.5	23.0	44.7	74.6	102.1	131.8	181.7	234.3	265.6	300.3
45°	0.0	8.9	24.8	47.7	78.7	104.0	138.2	189.4	241.2	282.0	318.7
42.5°	0.0	9.3	26.6	50.5	82.3	105.2	143.6	194.7	246.6	297.8	337.5
40°	0.0	9.7	28.2	53.3	84.2	105.8	148.0	198.3	251.3	311.9	355.7
37.5°	0.0	10.0	29.8	56.3	84.5	105.7	151.4	200.8	256.5	318.7	373.1
35°	0.0	10.3	31.2	59.3	84.4	107.1	153.8	202.2	260.8	328.9	389.8
32.5°	0.0	10.6	32.6	62.1	83.9	108.8	155.1	202.6	264.3	341.3	405.0
30°	0.0	10.9	33.9	64.8	83.0	109.7	154.9	202.6	267.0	355.7	420.1
27.5°	0.0	11.2	35.0	67.4	83.9	110.1	154.0	203.9	272.2	371.9	434.7
25°	0.0	11.4	36.0	70.0	84.9	109.7	152.3	204.4	283.1	385.5	449.2
22.5°	0.0	11.6	37.0	72.3	85.7	110.0	149.9	204.2	294.5	396.6	466.9
20°	0.0	11.8	37.8	74.6	86.4	112.8	146.7	203.1	306.1	407.1	483.0
17.5°	0.0	12.0	38.5	76.7	87.0	115.3	147.0	201.2	317.6	416.7	497.4
15°	0.0	12.2	39.1	78.6	87.4	117.5	149.1	200.6	328.6	425.5	510.0
12.5°	0.0	12.3	39.6	80.3	87.7	119.4	150.9	201.4	336.3	433.4	520.8
10°	0.0	12.4	40.0	81.8	88.0	120.9	152.3	201.0	339.4	439.9	530.1
7.5°	0.0	12.5	40.2	83.2	88.1	122.1	153.3	199.3	339.7	446.2	537.9
5°	0.0	12.6	40.4	84.3	88.2	122.9	153.8	196.7	337.4	451.9	543.8
2.5°	0.0	12.6	40.5	85.2	88.3	123.4	154.1	193.3	332.6	456.4	547.8
0°	0.0	12.6	40.4	85.8	88.3	123.6	153.9	189.2	325.4	459.1	549.9
-2.5°	0.0	12.6	40.5	85.2	88.3	123.4	154.1	193.3	332.6	456.4	547.8
-5°	0.0	12.6	40.4	84.3	88.2	122.9	153.8	196.7	337.4	451.9	543.8
-7.5°	0.0	12.5	40.2	83.2	88.1	122.1	153.3	199.3	339.7	446.2	537.9
-10°	0.0	12.4	40.0	81.8	88.0	120.9	152.3	201.0	339.4	439.9	530.1
-12.5°	0.0	12.3	39.6	80.3	87.7	119.4	150.9	201.4	336.3	433.4	520.8
-15°	0.0	12.2	39.1	78.6	87.4	117.5	149.1	200.6	328.6	425.5	510.0
-17.5°	0.0	12.0	38.5	76.7	87.0	115.3	147.0	201.2	317.6	416.7	497.4
-20°	0.0	11.8	37.8	74.6	86.4	112.8	146.7	203.1	306.1	407.1	483.0



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	11.6	37.0	72.3	85.7	110.0	149.9	204.2	294.5	396.6	466.9
-25°	0.0	11.4	36.0	70.0	84.9	109.7	152.3	204.4	283.1	385.5	449.2
-27.5°	0.0	11.2	35.0	67.4	83.9	110.1	154.0	203.9	272.2	371.9	434.7
-30°	0.0	10.9	33.9	64.8	83.0	109.7	154.9	202.6	267.0	355.7	420.1
-32.5°	0.0	10.6	32.6	62.1	83.9	108.8	155.1	202.6	264.3	341.3	405.0
-35°	0.0	10.3	31.2	59.3	84.4	107.1	153.8	202.2	260.8	328.9	389.8
-37.5°	0.0	10.0	29.8	56.3	84.5	105.7	151.4	200.8	256.5	318.7	373.1
-40°	0.0	9.7	28.2	53.3	84.2	105.8	148.0	198.3	251.3	311.9	355.7
-42.5°	0.0	9.3	26.6	50.5	82.3	105.2	143.6	194.7	246.6	297.8	337.5
-45°	0.0	8.9	24.8	47.7	78.7	104.0	138.2	189.4	241.2	282.0	318.7
-47.5°	0.0	8.5	23.0	44.7	74.6	102.1	131.8	181.7	234.3	265.6	300.3
-50°	0.0	8.1	21.1	41.9	70.2	99.6	127.9	172.8	220.6	250.3	281.1
-52.5°	0.0	7.7	19.0	39.0	65.4	96.5	123.6	162.6	204.7	234.6	261.6
-55°	0.0	7.2	17.0	36.0	60.3	90.3	118.5	151.7	187.6	218.6	243.9
-57.5°	0.0	6.8	14.8	32.7	54.8	83.1	112.5	143.7	170.0	199.7	225.9
-60°	0.0	6.3	12.6	29.4	49.1	75.4	105.4	132.7	152.8	179.7	206.3
-62.5°	0.0	5.8	11.6	25.8	44.1	67.3	95.0	120.3	137.3	159.3	183.9
-65°	0.0	5.3	10.6	22.1	38.9	58.7	84.0	106.8	121.1	139.2	161.2
-67.5°	0.0	4.8	9.6	18.3	33.4	50.6	72.5	91.7	104.0	118.4	136.6
-70°	0.0	4.3	8.6	14.4	27.8	43.1	60.6	76.7	87.7	96.6	110.5
-72.5°	0.0	3.8	7.6	12.3	22.0	35.3	50.3	61.7	71.5	79.4	85.3
-75°	0.0	3.3	6.5	10.6	16.1	27.4	40.1	48.9	55.4	62.4	67.7
-77.5°	0.0	2.7	5.4	8.9	13.0	19.2	29.6	36.9	42.4	46.5	50.3
-80°	0.0	2.2	4.4	7.2	10.4	14.1	18.9	25.0	29.8	33.6	36.2
-82.5°	0.0	1.6	3.3	5.4	7.8	10.6	13.7	15.4	17.3	20.7	23.2
-85°	0.0	1.1	2.2	3.6	5.2	7.1	9.1	10.3	11.2	12.1	12.8
-87.5°	0.0	0.5	1.1	1.8	2.6	3.6	4.6	5.1	5.6	6.0	6.4
-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°	6.4	6.3	6.1	5.8	5.4	4.9	4.2	3.5	3.7	3.8	4.0
85°	12.8	12.6	13.6	14.6	14.9	14.8	14.3	13.5	15.4	17.7	20.1
82.5°	25.5	27.8	29.9	32.0	32.0	31.3	30.1	28.9	33.3	38.8	44.6
80°	39.5	42.9	47.8	52.8	54.2	53.7	52.0	49.2	55.4	64.3	74.4
77.5°	56.5	63.3	70.2	77.1	78.8	77.4	74.1	68.9	76.7	91.2	107.3
75°	75.0	83.7	94.6	103.2	105.0	102.0	96.9	92.5	101.9	119.9	137.1
72.5°	97.9	112.1	122.9	130.5	131.0	128.3	125.8	123.5	134.0	155.3	173.1
70°	127.2	141.4	149.8	154.4	155.5	157.2	164.4	171.1	181.6	199.9	214.4
67.5°	156.2	167.5	175.1	180.6	191.5	201.7	211.6	221.8	233.5	249.1	260.1
65°	182.1	193.7	203.7	216.7	232.6	245.0	258.3	272.7	288.8	303.4	314.0
62.5°	207.6	220.0	234.1	251.3	269.7	286.5	306.0	325.9	345.2	361.7	379.7
60°	228.6	245.2	264.0	284.8	306.9	332.5	355.9	378.9	400.0	420.6	446.1
57.5°	248.5	271.0	294.1	319.0	348.0	379.1	406.6	431.8	458.2	488.2	513.2
55°	269.5	297.8	324.2	354.4	389.0	426.4	456.5	485.0	517.6	553.6	581.5
52.5°	292.2	323.4	354.5	390.7	432.4	469.6	501.1	536.6	576.2	615.2	647.6
50°	314.1	348.6	384.7	430.6	472.1	507.6	546.7	589.5	630.8	670.9	709.3
47.5°	336.2	373.1	421.0	468.0	506.8	548.4	594.1	638.1	681.5	723.2	763.4
45°	358.0	401.7	454.9	499.5	542.6	590.5	637.6	683.7	729.4	773.8	817.6
42.5°	378.9	429.7	483.3	530.0	579.6	629.6	678.9	727.6	775.8	823.4	870.2
40°	401.7	455.3	511.6	562.6	614.4	666.5	718.4	769.9	820.8	871.1	920.8
37.5°	422.8	481.8	540.4	593.8	647.1	701.7	756.0	810.7	864.3	916.8	973.3
35°	441.6	508.5	567.8	623.8	679.6	735.0	792.5	849.9	906.4	963.4	1035.5
32.5°	462.8	535.5	593.6	652.6	710.4	767.5	827.2	888.0	948.1	1014.7	1118.3
30°	486.7	558.0	618.0	680.1	739.3	799.3	861.0	924.5	987.7	1091.2	1330.5
27.5°	509.9	578.7	641.8	705.4	766.4	828.6	893.3	959.0	1047.1	1206.3	1594.5
25°	531.4	598.6	664.2	728.5	791.5	855.9	922.9	991.1	1110.8	1432.3	2290.0
22.5°	549.5	617.8	686.0	749.7	814.1	880.8	950.4	1041.0	1225.9	1660.4	3063.8
20°	565.0	636.1	705.7	772.0	835.4	902.9	975.3	1088.4	1400.8	2311.8	3991.1
17.5°	579.3	652.7	724.0	793.2	859.8	926.0	1000.3	1129.4	1558.2	2877.9	4923.5
15°	592.5	667.5	741.0	813.1	882.1	951.0	1039.7	1245.8	1876.7	3439.9	5754.0
12.5°	604.4	680.6	756.4	831.5	902.0	973.3	1075.1	1361.5	2266.7	4099.2	6320.8
10°	614.8	691.8	770.3	848.2	919.6	992.8	1105.0	1456.5	2587.3	4641.4	6776.4
7.5°	624.5	702.6	783.1	863.1	934.9	1009.6	1129.5	1530.6	2835.0	5049.8	7139.9
5°	632.6	713.3	798.2	879.3	953.9	1027.9	1150.4	1583.9	3009.0	5325.0	7404.6
2.5°	638.9	722.1	811.4	893.7	975.0	1050.1	1174.4	1623.2	3121.2	5500.3	7574.0
0°	643.2	729.0	822.3	905.5	993.8	1069.5	1193.1	1642.0	3163.0	5564.3	7637.7
-2.5°	638.9	722.1	811.4	893.7	975.0	1050.1	1174.4	1623.2	3121.2	5500.3	7574.0
-5°	632.6	713.3	798.2	879.3	953.9	1027.9	1150.4	1583.9	3009.0	5325.0	7404.6
-7.5°	624.5	702.6	783.1	863.1	934.9	1009.6	1129.5	1530.6	2835.0	5049.8	7139.9
-10°	614.8	691.8	770.3	848.2	919.6	992.8	1105.0	1456.5	2587.3	4641.4	6776.4
-12.5°	604.4	680.6	756.4	831.5	902.0	973.3	1075.1	1361.5	2266.7	4099.2	6320.8
-15°	592.5	667.5	741.0	813.1	882.1	951.0	1039.7	1245.8	1876.7	3439.9	5754.0
-17.5°	579.3	652.7	724.0	793.2	859.8	926.0	1000.3	1129.4	1558.2	2877.9	4923.5
-20°	565.0	636.1	705.7	772.0	835.4	902.9	975.3	1088.4	1400.8	2311.8	3991.1



REPORT NUMBER: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	549.5	617.8	686.0	749.7	814.1	880.8	950.4	1041.0	1225.9	1660.4	3063.8
-25°	531.4	598.6	664.2	728.5	791.5	855.9	922.9	991.1	1110.8	1432.3	2290.0
-27.5°	509.9	578.7	641.8	705.4	766.4	828.6	893.3	959.0	1047.1	1206.3	1594.5
-30°	486.7	558.0	618.0	680.1	739.3	799.3	861.0	924.5	987.7	1091.2	1330.5
-32.5°	462.8	535.5	593.6	652.6	710.4	767.5	827.2	888.0	948.1	1014.7	1118.3
-35°	441.6	508.5	567.8	623.8	679.6	735.0	792.5	849.9	906.4	963.4	1035.5
-37.5°	422.8	481.8	540.4	593.8	647.1	701.7	756.0	810.7	864.3	916.8	973.3
-40°	401.7	455.3	511.6	562.6	614.4	666.5	718.4	769.9	820.8	871.1	920.8
-42.5°	378.9	429.7	483.3	530.0	579.6	629.6	678.9	727.6	775.8	823.4	870.2
-45°	358.0	401.7	454.9	499.5	542.6	590.5	637.6	683.7	729.4	773.8	817.6
-47.5°	336.2	373.1	421.0	468.0	506.8	548.4	594.1	638.1	681.5	723.2	763.4
-50°	314.1	348.6	384.7	430.6	472.1	507.6	546.7	589.5	630.8	670.9	709.3
-52.5°	292.2	323.4	354.5	390.7	432.4	469.6	501.1	536.6	576.2	615.2	647.6
-55°	269.5	297.8	324.2	354.4	389.0	426.4	456.5	485.0	517.6	553.6	581.5
-57.5°	248.5	271.0	294.1	319.0	348.0	379.1	406.6	431.8	458.2	488.2	513.2
-60°	228.6	245.2	264.0	284.8	306.9	332.5	355.9	378.9	400.0	420.6	446.1
-62.5°	207.6	220.0	234.1	251.3	269.7	286.5	306.0	325.9	345.2	361.7	379.7
-65°	182.1	193.7	203.7	216.7	232.6	245.0	258.3	272.7	288.8	303.4	314.0
-67.5°	156.2	167.5	175.1	180.6	191.5	201.7	211.6	221.8	233.5	249.1	260.1
-70°	127.2	141.4	149.8	154.4	155.5	157.2	164.4	171.1	181.6	199.9	214.4
-72.5°	97.9	112.1	122.9	130.5	131.0	128.3	125.8	123.5	134.0	155.3	173.1
-75°	75.0	83.7	94.6	103.2	105.0	102.0	96.9	92.5	101.9	119.9	137.1
-77.5°	56.5	63.3	70.2	77.1	78.8	77.4	74.1	68.9	76.7	91.2	107.3
-80°	39.5	42.9	47.8	52.8	54.2	53.7	52.0	49.2	55.4	64.3	74.4
-82.5°	25.5	27.8	29.9	32.0	32.0	31.3	30.1	28.9	33.3	38.8	44.6
-85°	12.8	12.6	13.6	14.6	14.9	14.8	14.3	13.5	15.4	17.7	20.1
-87.5°	6.4	6.3	6.1	5.8	5.4	4.9	4.2	3.5	3.7	3.8	4.0
-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: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-MWR-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°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.3	3.7
85°	22.7	22.0	20.8	19.3	17.4	18.4	19.4	20.5	21.5	20.1	18.5
82.5°	50.8	51.5	51.5	51.4	51.2	53.4	55.5	57.4	58.9	54.5	49.2
80°	85.7	89.8	92.2	94.4	96.3	96.3	95.0	92.7	89.6	81.9	73.5
77.5°	123.9	130.3	133.5	136.7	140.0	141.2	142.0	142.9	143.8	130.4	113.5
75°	153.6	163.2	168.7	173.9	178.6	181.4	182.9	183.9	184.3	168.2	147.5
72.5°	187.4	196.8	203.4	209.9	215.8	219.6	221.9	223.6	224.8	210.8	190.9
70°	224.7	232.1	240.1	247.9	255.2	260.2	263.5	266.1	268.0	266.7	265.6
67.5°	268.8	275.3	284.9	292.4	300.1	305.5	311.2	315.6	319.0	322.7	326.9
65°	324.0	339.5	353.6	360.9	361.9	369.7	382.5	390.7	394.8	398.1	402.3
62.5°	400.7	419.6	429.7	441.8	457.3	471.8	477.3	484.9	493.7	504.5	516.8
60°	466.5	482.2	498.3	515.0	529.3	541.3	554.3	567.2	578.9	589.7	600.2
57.5°	533.9	551.0	567.5	587.0	600.6	608.7	621.3	636.8	648.7	658.0	672.1
55°	603.7	625.8	648.1	665.7	678.6	687.1	696.7	711.6	720.4	723.8	740.1
52.5°	673.8	700.0	727.6	748.2	761.8	774.6	786.3	799.4	808.4	812.7	828.7
50°	738.8	770.0	800.7	827.6	845.7	866.9	890.8	902.7	910.3	918.8	936.6
47.5°	800.6	835.5	868.4	898.8	925.0	948.7	969.3	989.2	1018.4	1041.6	1064.6
45°	860.1	897.2	932.9	967.0	996.3	1042.7	1086.9	1124.6	1225.3	1309.9	1374.4
42.5°	916.0	960.9	1001.0	1057.9	1119.8	1227.0	1392.6	1546.1	1843.1	2225.4	2544.6
40°	974.4	1032.6	1104.5	1215.2	1424.6	1639.9	2283.6	2857.2	3421.3	4063.0	4612.8
37.5°	1042.5	1130.2	1340.9	1591.0	2262.5	3005.3	3917.6	4813.0	5592.8	6260.0	6817.0
35°	1132.7	1403.6	1797.4	2708.8	3700.9	4918.7	5970.1	6812.2	7582.5	8200.7	8666.1
32.5°	1398.4	1894.1	2934.5	4187.9	5552.5	6729.1	7753.1	8559.5	9262.2	9816.2	10247.6
30°	1787.5	2926.8	4339.7	5840.9	7200.2	8323.6	9269.7	10038.4	10665.6	11229.3	11702.6
27.5°	2712.2	4178.3	5838.9	7370.1	8606.5	9658.2	10507.0	11268.4	11959.8	12553.5	13113.1
25°	3724.1	5538.9	7214.0	8607.6	9761.3	10748.1	11643.3	12476.1	13250.3	13945.1	14596.0
22.5°	4939.3	6749.2	8350.1	9639.9	10758.0	11771.6	12722.5	13649.3	14550.5	15398.4	16185.9
20°	6039.5	7815.9	9211.9	10500.0	11661.6	12717.8	13765.8	14846.0	15886.0	16907.3	17855.7
17.5°	6896.9	8549.5	9950.9	11256.6	12438.9	13635.1	14834.5	16075.2	17329.7	18515.7	19650.1
15°	7612.8	9161.4	10581.6	11887.1	13187.1	14506.9	15846.8	17308.5	18800.7	20220.3	21666.2
12.5°	8120.4	9672.0	11111.9	12421.8	13879.4	15312.1	16871.8	18537.6	20260.9	21914.4	23690.6
10°	8528.4	10079.4	11507.1	12919.6	14462.1	16050.7	17800.0	19634.9	21691.3	23649.3	25562.9
7.5°	8878.5	10419.3	11824.7	13325.5	14947.0	16693.1	18595.7	20670.1	22895.4	25074.2	27352.0
5°	9134.7	10651.0	12071.6	13658.3	15319.8	17162.4	19209.3	21425.9	23812.5	26199.7	28452.3
2.5°	9270.2	10783.1	12225.0	13864.8	15538.3	17446.7	19578.5	21927.9	24448.8	27053.7	29274.8
0°	9267.1	10838.5	12283.8	14004.1	15699.1	17532.8	19737.4	22249.6	24708.9	27415.4	29695.6
-2.5°	9270.2	10783.1	12225.0	13864.8	15538.3	17446.7	19578.5	21927.9	24448.8	27053.7	29274.8
-5°	9134.7	10651.0	12071.6	13658.3	15319.8	17162.4	19209.3	21425.9	23812.5	26199.7	28452.3
-7.5°	8878.5	10419.3	11824.7	13325.5	14947.0	16693.1	18595.7	20670.1	22895.4	25074.2	27352.0
-10°	8528.4	10079.4	11507.1	12919.6	14462.1	16050.7	17800.0	19634.9	21691.3	23649.3	25562.9
-12.5°	8120.4	9672.0	11111.9	12421.8	13879.4	15312.1	16871.8	18537.6	20260.9	21914.4	23690.6
-15°	7612.8	9161.4	10581.6	11887.1	13187.1	14506.9	15846.8	17308.5	18800.7	20220.3	21666.2
-17.5°	6896.9	8549.5	9950.9	11256.6	12438.9	13635.1	14834.5	16075.2	17329.7	18515.7	19650.1
-20°	6039.5	7815.9	9211.9	10500.0	11661.6	12717.8	13765.8	14846.0	15886.0	16907.3	17855.7



REPORT NUMBER: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4939.3	6749.2	8350.1	9639.9	10758.0	11771.6	12722.5	13649.3	14550.5	15398.4	16185.9
-25°	3724.1	5538.9	7214.0	8607.6	9761.3	10748.1	11643.3	12476.1	13250.3	13945.1	14596.0
-27.5°	2712.2	4178.3	5838.9	7370.1	8606.5	9658.2	10507.0	11268.4	11959.8	12553.5	13113.1
-30°	1787.5	2926.8	4339.7	5840.9	7200.2	8323.6	9269.7	10038.4	10665.6	11229.3	11702.6
-32.5°	1398.4	1894.1	2934.5	4187.9	5552.5	6729.1	7753.1	8559.5	9262.2	9816.2	10247.6
-35°	1132.7	1403.6	1797.4	2708.8	3700.9	4918.7	5970.1	6812.2	7582.5	8200.7	8666.1
-37.5°	1042.5	1130.2	1340.9	1591.0	2262.5	3005.3	3917.6	4813.0	5592.8	6260.0	6817.0
-40°	974.4	1032.6	1104.5	1215.2	1424.6	1639.9	2283.6	2857.2	3421.3	4063.0	4612.8
-42.5°	916.0	960.9	1001.0	1057.9	1119.8	1227.0	1392.6	1546.1	1843.1	2225.4	2544.6
-45°	860.1	897.2	932.9	967.0	996.3	1042.7	1086.9	1124.6	1225.3	1309.9	1374.4
-47.5°	800.6	835.5	868.4	898.8	925.0	948.7	969.3	989.2	1018.4	1041.6	1064.6
-50°	738.8	770.0	800.7	827.6	845.7	866.9	890.8	902.7	910.3	918.8	936.6
-52.5°	673.8	700.0	727.6	748.2	761.8	774.6	786.3	799.4	808.4	812.7	828.7
-55°	603.7	625.8	648.1	665.7	678.6	687.1	696.7	711.6	720.4	723.8	740.1
-57.5°	533.9	551.0	567.5	587.0	600.6	608.7	621.3	636.8	648.7	658.0	672.1
-60°	466.5	482.2	498.3	515.0	529.3	541.3	554.3	567.2	578.9	589.7	600.2
-62.5°	400.7	419.6	429.7	441.8	457.3	471.8	477.3	484.9	493.7	504.5	516.8
-65°	324.0	339.5	353.6	360.9	361.9	369.7	382.5	390.7	394.8	398.1	402.3
-67.5°	268.8	275.3	284.9	292.4	300.1	305.5	311.2	315.6	319.0	322.7	326.9
-70°	224.7	232.1	240.1	247.9	255.2	260.2	263.5	266.1	268.0	266.7	265.6
-72.5°	187.4	196.8	203.4	209.9	215.8	219.6	221.9	223.6	224.8	210.8	190.9
-75°	153.6	163.2	168.7	173.9	178.6	181.4	182.9	183.9	184.3	168.2	147.5
-77.5°	123.9	130.3	133.5	136.7	140.0	141.2	142.0	142.9	143.8	130.4	113.5
-80°	85.7	89.8	92.2	94.4	96.3	96.3	95.0	92.7	89.6	81.9	73.5
-82.5°	50.8	51.5	51.5	51.4	51.2	53.4	55.5	57.4	58.9	54.5	49.2
-85°	22.7	22.0	20.8	19.3	17.4	18.4	19.4	20.5	21.5	20.1	18.5
-87.5°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.3	3.7
-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: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-MWR-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°	3.1	2.5	2.5	2.5	2.5	2.5	3.1	3.7	4.3	4.8	4.8
85°	16.8	15.0	15.1	15.1	15.1	15.0	16.8	18.5	20.1	21.5	20.5
82.5°	43.6	37.6	37.7	37.8	37.7	37.6	43.6	49.2	54.5	58.9	57.4
80°	64.7	55.5	56.7	58.0	56.7	55.5	64.7	73.5	81.9	89.6	92.7
77.5°	95.3	76.2	75.6	75.7	75.6	76.2	95.3	113.5	130.4	143.8	142.9
75°	126.2	104.3	103.2	103.4	103.2	104.3	126.2	147.5	168.2	184.3	183.9
72.5°	170.6	149.6	140.2	131.2	140.2	149.6	170.6	190.9	210.8	224.8	223.6
70°	265.9	266.5	257.2	244.7	257.2	266.5	265.9	265.6	266.7	268.0	266.1
67.5°	330.4	333.1	337.1	340.5	337.1	333.1	330.4	326.9	322.7	319.0	315.6
65°	404.1	404.0	405.4	406.1	405.4	404.0	404.1	402.3	398.1	394.8	390.7
62.5°	527.4	535.9	541.8	544.8	541.8	535.9	527.4	516.8	504.5	493.7	484.9
60°	609.0	616.0	625.8	635.6	625.8	616.0	609.0	600.2	589.7	578.9	567.2
57.5°	685.3	697.1	706.7	713.8	706.7	697.1	685.3	672.1	658.0	648.7	636.8
55°	755.7	769.4	782.6	794.5	782.6	769.4	755.7	740.1	723.8	720.4	711.6
52.5°	844.1	855.4	874.2	898.0	874.2	855.4	844.1	828.7	812.7	808.4	799.4
50°	957.2	974.2	997.9	1026.6	997.9	974.2	957.2	936.6	918.8	910.3	902.7
47.5°	1087.8	1105.0	1127.8	1157.8	1127.8	1105.0	1087.8	1064.6	1041.6	1018.4	989.2
45°	1433.4	1473.7	1510.6	1551.2	1510.6	1473.7	1433.4	1374.4	1309.9	1225.3	1124.6
42.5°	2800.5	2977.4	3053.8	3009.2	3053.8	2977.4	2800.5	2544.6	2225.4	1843.1	1546.1
40°	5031.9	5326.0	5499.1	5559.2	5499.1	5326.0	5031.9	4612.8	4063.0	3421.3	2857.2
37.5°	7223.8	7494.5	7640.6	7657.8	7640.6	7494.5	7223.8	6817.0	6260.0	5592.8	4813.0
35°	9002.0	9224.9	9357.1	9456.3	9357.1	9224.9	9002.0	8666.1	8200.7	7582.5	6812.2
32.5°	10598.8	10852.9	10999.8	10967.2	10999.8	10852.9	10598.8	10247.6	9816.2	9262.2	8559.5
30°	12090.6	12368.5	12541.0	12546.1	12541.0	12368.5	12090.6	11702.6	11229.3	10665.6	10038.4
27.5°	13565.4	13877.4	14057.3	14198.3	14057.3	13877.4	13565.4	13113.1	12553.5	11959.8	11268.4
25°	15138.8	15527.6	15758.6	15898.3	15758.6	15527.6	15138.8	14596.0	13945.1	13250.3	12476.1
22.5°	16835.2	17316.9	17633.4	17764.9	17633.4	17316.9	16835.2	16185.9	15398.4	14550.5	13649.3
20°	18680.5	19277.4	19681.5	19669.3	19681.5	19277.4	18680.5	17855.7	16907.3	15886.0	14846.0
17.5°	20739.4	21509.4	22030.5	22105.8	22030.5	21509.4	20739.4	19650.1	18515.7	17329.7	16075.2
15°	22946.8	23939.5	24613.5	24822.4	24613.5	23939.5	22946.8	21666.2	20220.3	18800.7	17308.5
12.5°	25208.8	26389.6	27288.1	27586.9	27288.1	26389.6	25208.8	23690.6	21914.4	20260.9	18537.6
10°	27364.1	28672.0	29647.3	30079.0	29647.3	28672.0	27364.1	25562.9	23649.3	21691.3	19634.9
7.5°	29165.8	30494.8	31499.3	31854.7	31499.3	30494.8	29165.8	27352.0	25074.2	22895.4	20670.1
5°	30352.8	31804.6	32585.8	33025.1	32585.8	31804.6	30352.8	28452.3	26199.7	23812.5	21425.9
2.5°	31145.9	32377.0	33168.1	33572.4	33168.1	32377.0	31145.9	29274.8	27053.7	24448.8	21927.9
0°	31567.2	32820.8	33400.9	33597.6	33400.9	32820.8	31567.2	29695.6	27415.4	24708.9	22249.6
-2.5°	31145.9	32377.0	33168.1	33572.4	33168.1	32377.0	31145.9	29274.8	27053.7	24448.8	21927.9
-5°	30352.8	31804.6	32585.8	33025.1	32585.8	31804.6	30352.8	28452.3	26199.7	23812.5	21425.9
-7.5°	29165.8	30494.8	31499.3	31854.7	31499.3	30494.8	29165.8	27352.0	25074.2	22895.4	20670.1
-10°	27364.1	28672.0	29647.3	30079.0	29647.3	28672.0	27364.1	25562.9	23649.3	21691.3	19634.9
-12.5°	25208.8	26389.6	27288.1	27586.9	27288.1	26389.6	25208.8	23690.6	21914.4	20260.9	18537.6
-15°	22946.8	23939.5	24613.5	24822.4	24613.5	23939.5	22946.8	21666.2	20220.3	18800.7	17308.5
-17.5°	20739.4	21509.4	22030.5	22105.8	22030.5	21509.4	20739.4	19650.1	18515.7	17329.7	16075.2
-20°	18680.5	19277.4	19681.5	19669.3	19681.5	19277.4	18680.5	17855.7	16907.3	15886.0	14846.0



REPORT NUMBER: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16835.2	17316.9	17633.4	17764.9	17633.4	17316.9	16835.2	16185.9	15398.4	14550.5	13649.3
-25°	15138.8	15527.6	15758.6	15898.3	15758.6	15527.6	15138.8	14596.0	13945.1	13250.3	12476.1
-27.5°	13565.4	13877.4	14057.3	14198.3	14057.3	13877.4	13565.4	13113.1	12553.5	11959.8	11268.4
-30°	12090.6	12368.5	12541.0	12546.1	12541.0	12368.5	12090.6	11702.6	11229.3	10665.6	10038.4
-32.5°	10598.8	10852.9	10999.8	10967.2	10999.8	10852.9	10598.8	10247.6	9816.2	9262.2	8559.5
-35°	9002.0	9224.9	9357.1	9456.3	9357.1	9224.9	9002.0	8666.1	8200.7	7582.5	6812.2
-37.5°	7223.8	7494.5	7640.6	7657.8	7640.6	7494.5	7223.8	6817.0	6260.0	5592.8	4813.0
-40°	5031.9	5326.0	5499.1	5559.2	5499.1	5326.0	5031.9	4612.8	4063.0	3421.3	2857.2
-42.5°	2800.5	2977.4	3053.8	3009.2	3053.8	2977.4	2800.5	2544.6	2225.4	1843.1	1546.1
-45°	1433.4	1473.7	1510.6	1551.2	1510.6	1473.7	1433.4	1374.4	1309.9	1225.3	1124.6
-47.5°	1087.8	1105.0	1127.8	1157.8	1127.8	1105.0	1087.8	1064.6	1041.6	1018.4	989.2
-50°	957.2	974.2	997.9	1026.6	997.9	974.2	957.2	936.6	918.8	910.3	902.7
-52.5°	844.1	855.4	874.2	898.0	874.2	855.4	844.1	828.7	812.7	808.4	799.4
-55°	755.7	769.4	782.6	794.5	782.6	769.4	755.7	740.1	723.8	720.4	711.6
-57.5°	685.3	697.1	706.7	713.8	706.7	697.1	685.3	672.1	658.0	648.7	636.8
-60°	609.0	616.0	625.8	635.6	625.8	616.0	609.0	600.2	589.7	578.9	567.2
-62.5°	527.4	535.9	541.8	544.8	541.8	535.9	527.4	516.8	504.5	493.7	484.9
-65°	404.1	404.0	405.4	406.1	405.4	404.0	404.1	402.3	398.1	394.8	390.7
-67.5°	330.4	333.1	337.1	340.5	337.1	333.1	330.4	326.9	322.7	319.0	315.6
-70°	265.9	266.5	257.2	244.7	257.2	266.5	265.9	265.6	266.7	268.0	266.1
-72.5°	170.6	149.6	140.2	131.2	140.2	149.6	170.6	190.9	210.8	224.8	223.6
-75°	126.2	104.3	103.2	103.4	103.2	104.3	126.2	147.5	168.2	184.3	183.9
-77.5°	95.3	76.2	75.6	75.7	75.6	76.2	95.3	113.5	130.4	143.8	142.9
-80°	64.7	55.5	56.7	58.0	56.7	55.5	64.7	73.5	81.9	89.6	92.7
-82.5°	43.6	37.6	37.7	37.8	37.7	37.6	43.6	49.2	54.5	58.9	57.4
-85°	16.8	15.0	15.1	15.1	15.1	15.0	16.8	18.5	20.1	21.5	20.5
-87.5°	3.1	2.5	2.5	2.5	2.5	2.5	3.1	3.7	4.3	4.8	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559109 (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°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5
85°	19.4	18.4	17.4	19.3	20.8	22.0	22.7	20.1	17.7	15.4	13.5
82.5°	55.5	53.4	51.2	51.4	51.5	51.5	50.8	44.6	38.8	33.3	28.9
80°	95.0	96.3	96.3	94.4	92.2	89.8	85.7	74.4	64.3	55.4	49.2
77.5°	142.0	141.2	140.0	136.7	133.5	130.3	123.9	107.3	91.2	76.7	68.9
75°	182.9	181.4	178.6	173.9	168.7	163.2	153.6	137.1	119.9	101.9	92.5
72.5°	221.9	219.6	215.8	209.9	203.4	196.8	187.4	173.1	155.3	134.0	123.5
70°	263.5	260.2	255.2	247.9	240.1	232.1	224.7	214.4	199.9	181.6	171.1
67.5°	311.2	305.5	300.1	292.4	284.9	275.3	268.8	260.1	249.1	233.5	221.8
65°	382.5	369.7	361.9	360.9	353.6	339.5	324.0	314.0	303.4	288.8	272.7
62.5°	477.3	471.8	457.3	441.8	429.7	419.6	400.7	379.7	361.7	345.2	325.9
60°	554.3	541.3	529.3	515.0	498.3	482.2	466.5	446.1	420.6	400.0	378.9
57.5°	621.3	608.7	600.6	587.0	567.5	551.0	533.9	513.2	488.2	458.2	431.8
55°	696.7	687.1	678.6	665.7	648.1	625.8	603.7	581.5	553.6	517.6	485.0
52.5°	786.3	774.6	761.8	748.2	727.6	700.0	673.8	647.6	615.2	576.2	536.6
50°	890.8	866.9	845.7	827.6	800.7	770.0	738.8	709.3	670.9	630.8	589.5
47.5°	969.3	948.7	925.0	898.8	868.4	835.5	800.6	763.4	723.2	681.5	638.1
45°	1086.9	1042.7	996.3	967.0	932.9	897.2	860.1	817.6	773.8	729.4	683.7
42.5°	1392.6	1227.0	1119.8	1057.9	1001.0	960.9	916.0	870.2	823.4	775.8	727.6
40°	2283.6	1639.9	1424.6	1215.2	1104.5	1032.6	974.4	920.8	871.1	820.8	769.9
37.5°	3917.6	3005.3	2262.5	1591.0	1340.9	1130.2	1042.5	973.3	916.8	864.3	810.7
35°	5970.1	4918.7	3700.9	2708.8	1797.4	1403.6	1132.7	1035.5	963.4	906.4	849.9
32.5°	7753.1	6729.1	5552.5	4187.9	2934.5	1894.1	1398.4	1118.3	1014.7	948.1	888.0
30°	9269.7	8323.6	7200.2	5840.9	4339.7	2926.8	1787.5	1330.5	1091.2	987.7	924.5
27.5°	10507.0	9658.2	8606.5	7370.1	5838.9	4178.3	2712.2	1594.5	1206.3	1047.1	959.0
25°	11643.3	10748.1	9761.3	8607.6	7214.0	5538.9	3724.1	2290.0	1432.3	1110.8	991.1
22.5°	12722.5	11771.6	10758.0	9639.9	8350.1	6749.2	4939.3	3063.8	1660.4	1225.9	1041.0
20°	13765.8	12717.8	11661.6	10500.0	9211.9	7815.9	6039.5	3991.1	2311.8	1400.8	1088.4
17.5°	14834.5	13635.1	12438.9	11256.6	9950.9	8549.5	6896.9	4923.5	2877.9	1558.2	1129.4
15°	15846.8	14506.9	13187.1	11887.1	10581.6	9161.4	7612.8	5754.0	3439.9	1876.7	1245.8
12.5°	16871.8	15312.1	13879.4	12421.8	11111.9	9672.0	8120.4	6320.8	4099.2	2266.7	1361.5
10°	17800.0	16050.7	14462.1	12919.6	11507.1	10079.4	8528.4	6776.4	4641.4	2587.3	1456.5
7.5°	18595.7	16693.1	14947.0	13325.5	11824.7	10419.3	8878.5	7139.9	5049.8	2835.0	1530.6
5°	19209.3	17162.4	15319.8	13658.3	12071.6	10651.0	9134.7	7404.6	5325.0	3009.0	1583.9
2.5°	19578.5	17446.7	15538.3	13864.8	12225.0	10783.1	9270.2	7574.0	5500.3	3121.2	1623.2
0°	19737.4	17532.8	15699.1	14004.1	12283.8	10838.5	9267.1	7637.7	5564.3	3163.0	1642.0
-2.5°	19578.5	17446.7	15538.3	13864.8	12225.0	10783.1	9270.2	7574.0	5500.3	3121.2	1623.2
-5°	19209.3	17162.4	15319.8	13658.3	12071.6	10651.0	9134.7	7404.6	5325.0	3009.0	1583.9
-7.5°	18595.7	16693.1	14947.0	13325.5	11824.7	10419.3	8878.5	7139.9	5049.8	2835.0	1530.6
-10°	17800.0	16050.7	14462.1	12919.6	11507.1	10079.4	8528.4	6776.4	4641.4	2587.3	1456.5
-12.5°	16871.8	15312.1	13879.4	12421.8	11111.9	9672.0	8120.4	6320.8	4099.2	2266.7	1361.5
-15°	15846.8	14506.9	13187.1	11887.1	10581.6	9161.4	7612.8	5754.0	3439.9	1876.7	1245.8
-17.5°	14834.5	13635.1	12438.9	11256.6	9950.9	8549.5	6896.9	4923.5	2877.9	1558.2	1129.4
-20°	13765.8	12717.8	11661.6	10500.0	9211.9	7815.9	6039.5	3991.1	2311.8	1400.8	1088.4



REPORT NUMBER: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12722.5	11771.6	10758.0	9639.9	8350.1	6749.2	4939.3	3063.8	1660.4	1225.9	1041.0
-25°	11643.3	10748.1	9761.3	8607.6	7214.0	5538.9	3724.1	2290.0	1432.3	1110.8	991.1
-27.5°	10507.0	9658.2	8606.5	7370.1	5838.9	4178.3	2712.2	1594.5	1206.3	1047.1	959.0
-30°	9269.7	8323.6	7200.2	5840.9	4339.7	2926.8	1787.5	1330.5	1091.2	987.7	924.5
-32.5°	7753.1	6729.1	5552.5	4187.9	2934.5	1894.1	1398.4	1118.3	1014.7	948.1	888.0
-35°	5970.1	4918.7	3700.9	2708.8	1797.4	1403.6	1132.7	1035.5	963.4	906.4	849.9
-37.5°	3917.6	3005.3	2262.5	1591.0	1340.9	1130.2	1042.5	973.3	916.8	864.3	810.7
-40°	2283.6	1639.9	1424.6	1215.2	1104.5	1032.6	974.4	920.8	871.1	820.8	769.9
-42.5°	1392.6	1227.0	1119.8	1057.9	1001.0	960.9	916.0	870.2	823.4	775.8	727.6
-45°	1086.9	1042.7	996.3	967.0	932.9	897.2	860.1	817.6	773.8	729.4	683.7
-47.5°	969.3	948.7	925.0	898.8	868.4	835.5	800.6	763.4	723.2	681.5	638.1
-50°	890.8	866.9	845.7	827.6	800.7	770.0	738.8	709.3	670.9	630.8	589.5
-52.5°	786.3	774.6	761.8	748.2	727.6	700.0	673.8	647.6	615.2	576.2	536.6
-55°	696.7	687.1	678.6	665.7	648.1	625.8	603.7	581.5	553.6	517.6	485.0
-57.5°	621.3	608.7	600.6	587.0	567.5	551.0	533.9	513.2	488.2	458.2	431.8
-60°	554.3	541.3	529.3	515.0	498.3	482.2	466.5	446.1	420.6	400.0	378.9
-62.5°	477.3	471.8	457.3	441.8	429.7	419.6	400.7	379.7	361.7	345.2	325.9
-65°	382.5	369.7	361.9	360.9	353.6	339.5	324.0	314.0	303.4	288.8	272.7
-67.5°	311.2	305.5	300.1	292.4	284.9	275.3	268.8	260.1	249.1	233.5	221.8
-70°	263.5	260.2	255.2	247.9	240.1	232.1	224.7	214.4	199.9	181.6	171.1
-72.5°	221.9	219.6	215.8	209.9	203.4	196.8	187.4	173.1	155.3	134.0	123.5
-75°	182.9	181.4	178.6	173.9	168.7	163.2	153.6	137.1	119.9	101.9	92.5
-77.5°	142.0	141.2	140.0	136.7	133.5	130.3	123.9	107.3	91.2	76.7	68.9
-80°	95.0	96.3	96.3	94.4	92.2	89.8	85.7	74.4	64.3	55.4	49.2
-82.5°	55.5	53.4	51.2	51.4	51.5	51.5	50.8	44.6	38.8	33.3	28.9
-85°	19.4	18.4	17.4	19.3	20.8	22.0	22.7	20.1	17.7	15.4	13.5
-87.5°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5
-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: P559109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-930-U-MWR-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°	4.2	4.9	5.4	5.8	6.1	6.3	6.4	6.4	6.0	5.6	5.1
85°	14.3	14.8	14.9	14.6	13.6	12.6	12.8	12.8	12.1	11.2	10.3
82.5°	30.1	31.3	32.0	32.0	29.9	27.8	25.5	23.2	20.7	17.3	15.4
80°	52.0	53.7	54.2	52.8	47.8	42.9	39.5	36.2	33.6	29.8	25.0
77.5°	74.1	77.4	78.8	77.1	70.2	63.3	56.5	50.3	46.5	42.4	36.9
75°	96.9	102.0	105.0	103.2	94.6	83.7	75.0	67.7	62.4	55.4	48.9
72.5°	125.8	128.3	131.0	130.5	122.9	112.1	97.9	85.3	79.4	71.5	61.7
70°	164.4	157.2	155.5	154.4	149.8	141.4	127.2	110.5	96.6	87.7	76.7
67.5°	211.6	201.7	191.5	180.6	175.1	167.5	156.2	136.6	118.4	104.0	91.7
65°	258.3	245.0	232.6	216.7	203.7	193.7	182.1	161.2	139.2	121.1	106.8
62.5°	306.0	286.5	269.7	251.3	234.1	220.0	207.6	183.9	159.3	137.3	120.3
60°	355.9	332.5	306.9	284.8	264.0	245.2	228.6	206.3	179.7	152.8	132.7
57.5°	406.6	379.1	348.0	319.0	294.1	271.0	248.5	225.9	199.7	170.0	143.7
55°	456.5	426.4	389.0	354.4	324.2	297.8	269.5	243.9	218.6	187.6	151.7
52.5°	501.1	469.6	432.4	390.7	354.5	323.4	292.2	261.6	234.6	204.7	162.6
50°	546.7	507.6	472.1	430.6	384.7	348.6	314.1	281.1	250.3	220.6	172.8
47.5°	594.1	548.4	506.8	468.0	421.0	373.1	336.2	300.3	265.6	234.3	181.7
45°	637.6	590.5	542.6	499.5	454.9	401.7	358.0	318.7	282.0	241.2	189.4
42.5°	678.9	629.6	579.6	530.0	483.3	429.7	378.9	337.5	297.8	246.6	194.7
40°	718.4	666.5	614.4	562.6	511.6	455.3	401.7	355.7	311.9	251.3	198.3
37.5°	756.0	701.7	647.1	593.8	540.4	481.8	422.8	373.1	318.7	256.5	200.8
35°	792.5	735.0	679.6	623.8	567.8	508.5	441.6	389.8	328.9	260.8	202.2
32.5°	827.2	767.5	710.4	652.6	593.6	535.5	462.8	405.0	341.3	264.3	202.6
30°	861.0	799.3	739.3	680.1	618.0	558.0	486.7	420.1	355.7	267.0	202.6
27.5°	893.3	828.6	766.4	705.4	641.8	578.7	509.9	434.7	371.9	272.2	203.9
25°	922.9	855.9	791.5	728.5	664.2	598.6	531.4	449.2	385.5	283.1	204.4
22.5°	950.4	880.8	814.1	749.7	686.0	617.8	549.5	466.9	396.6	294.5	204.2
20°	975.3	902.9	835.4	772.0	705.7	636.1	565.0	483.0	407.1	306.1	203.1
17.5°	1000.3	926.0	859.8	793.2	724.0	652.7	579.3	497.4	416.7	317.6	201.2
15°	1039.7	951.0	882.1	813.1	741.0	667.5	592.5	510.0	425.5	328.6	200.6
12.5°	1075.1	973.3	902.0	831.5	756.4	680.6	604.4	520.8	433.4	336.3	201.4
10°	1105.0	992.8	919.6	848.2	770.3	691.8	614.8	530.1	439.9	339.4	201.0
7.5°	1129.5	1009.6	934.9	863.1	783.1	702.6	624.5	537.9	446.2	339.7	199.3
5°	1150.4	1027.9	953.9	879.3	798.2	713.3	632.6	543.8	451.9	337.4	196.7
2.5°	1174.4	1050.1	975.0	893.7	811.4	722.1	638.9	547.8	456.4	332.6	193.3
0°	1193.1	1069.5	993.8	905.5	822.3	729.0	643.2	549.9	459.1	325.4	189.2
-2.5°	1174.4	1050.1	975.0	893.7	811.4	722.1	638.9	547.8	456.4	332.6	193.3
-5°	1150.4	1027.9	953.9	879.3	798.2	713.3	632.6	543.8	451.9	337.4	196.7
-7.5°	1129.5	1009.6	934.9	863.1	783.1	702.6	624.5	537.9	446.2	339.7	199.3
-10°	1105.0	992.8	919.6	848.2	770.3	691.8	614.8	530.1	439.9	339.4	201.0
-12.5°	1075.1	973.3	902.0	831.5	756.4	680.6	604.4	520.8	433.4	336.3	201.4
-15°	1039.7	951.0	882.1	813.1	741.0	667.5	592.5	510.0	425.5	328.6	200.6
-17.5°	1000.3	926.0	859.8	793.2	724.0	652.7	579.3	497.4	416.7	317.6	201.2
-20°	975.3	902.9	835.4	772.0	705.7	636.1	565.0	483.0	407.1	306.1	203.1



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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°	950.4	880.8	814.1	749.7	686.0	617.8	549.5	466.9	396.6	294.5	204.2
-25°	922.9	855.9	791.5	728.5	664.2	598.6	531.4	449.2	385.5	283.1	204.4
-27.5°	893.3	828.6	766.4	705.4	641.8	578.7	509.9	434.7	371.9	272.2	203.9
-30°	861.0	799.3	739.3	680.1	618.0	558.0	486.7	420.1	355.7	267.0	202.6
-32.5°	827.2	767.5	710.4	652.6	593.6	535.5	462.8	405.0	341.3	264.3	202.6
-35°	792.5	735.0	679.6	623.8	567.8	508.5	441.6	389.8	328.9	260.8	202.2
-37.5°	756.0	701.7	647.1	593.8	540.4	481.8	422.8	373.1	318.7	256.5	200.8
-40°	718.4	666.5	614.4	562.6	511.6	455.3	401.7	355.7	311.9	251.3	198.3
-42.5°	678.9	629.6	579.6	530.0	483.3	429.7	378.9	337.5	297.8	246.6	194.7
-45°	637.6	590.5	542.6	499.5	454.9	401.7	358.0	318.7	282.0	241.2	189.4
-47.5°	594.1	548.4	506.8	468.0	421.0	373.1	336.2	300.3	265.6	234.3	181.7
-50°	546.7	507.6	472.1	430.6	384.7	348.6	314.1	281.1	250.3	220.6	172.8
-52.5°	501.1	469.6	432.4	390.7	354.5	323.4	292.2	261.6	234.6	204.7	162.6
-55°	456.5	426.4	389.0	354.4	324.2	297.8	269.5	243.9	218.6	187.6	151.7
-57.5°	406.6	379.1	348.0	319.0	294.1	271.0	248.5	225.9	199.7	170.0	143.7
-60°	355.9	332.5	306.9	284.8	264.0	245.2	228.6	206.3	179.7	152.8	132.7
-62.5°	306.0	286.5	269.7	251.3	234.1	220.0	207.6	183.9	159.3	137.3	120.3
-65°	258.3	245.0	232.6	216.7	203.7	193.7	182.1	161.2	139.2	121.1	106.8
-67.5°	211.6	201.7	191.5	180.6	175.1	167.5	156.2	136.6	118.4	104.0	91.7
-70°	164.4	157.2	155.5	154.4	149.8	141.4	127.2	110.5	96.6	87.7	76.7
-72.5°	125.8	128.3	131.0	130.5	122.9	112.1	97.9	85.3	79.4	71.5	61.7
-75°	96.9	102.0	105.0	103.2	94.6	83.7	75.0	67.7	62.4	55.4	48.9
-77.5°	74.1	77.4	78.8	77.1	70.2	63.3	56.5	50.3	46.5	42.4	36.9
-80°	52.0	53.7	54.2	52.8	47.8	42.9	39.5	36.2	33.6	29.8	25.0
-82.5°	30.1	31.3	32.0	32.0	29.9	27.8	25.5	23.2	20.7	17.3	15.4
-85°	14.3	14.8	14.9	14.6	13.6	12.6	12.8	12.8	12.1	11.2	10.3
-87.5°	4.2	4.9	5.4	5.8	6.1	6.3	6.4	6.4	6.0	5.6	5.1
-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°	4.6	3.6	2.6	1.8	1.1	0.5	0.0
85°	9.1	7.1	5.2	3.6	2.2	1.1	0.0
82.5°	13.7	10.6	7.8	5.4	3.3	1.6	0.0
80°	18.9	14.1	10.4	7.2	4.4	2.2	0.0
77.5°	29.6	19.2	13.0	8.9	5.4	2.7	0.0
75°	40.1	27.4	16.1	10.6	6.5	3.3	0.0
72.5°	50.3	35.3	22.0	12.3	7.6	3.8	0.0
70°	60.6	43.1	27.8	14.4	8.6	4.3	0.0
67.5°	72.5	50.6	33.4	18.3	9.6	4.8	0.0
65°	84.0	58.7	38.9	22.1	10.6	5.3	0.0
62.5°	95.0	67.3	44.1	25.8	11.6	5.8	0.0
60°	105.4	75.4	49.1	29.4	12.6	6.3	0.0
57.5°	112.5	83.1	54.8	32.7	14.8	6.8	0.0
55°	118.5	90.3	60.3	36.0	17.0	7.2	0.0
52.5°	123.6	96.5	65.4	39.0	19.0	7.7	0.0
50°	127.9	99.6	70.2	41.9	21.1	8.1	0.0
47.5°	131.8	102.1	74.6	44.7	23.0	8.5	0.0
45°	138.2	104.0	78.7	47.7	24.8	8.9	0.0
42.5°	143.6	105.2	82.3	50.5	26.6	9.3	0.0
40°	148.0	105.8	84.2	53.3	28.2	9.7	0.0
37.5°	151.4	105.7	84.5	56.3	29.8	10.0	0.0
35°	153.8	107.1	84.4	59.3	31.2	10.3	0.0
32.5°	155.1	108.8	83.9	62.1	32.6	10.6	0.0
30°	154.9	109.7	83.0	64.8	33.9	10.9	0.0
27.5°	154.0	110.1	83.9	67.4	35.0	11.2	0.0
25°	152.3	109.7	84.9	70.0	36.0	11.4	0.0
22.5°	149.9	110.0	85.7	72.3	37.0	11.6	0.0
20°	146.7	112.8	86.4	74.6	37.8	11.8	0.0
17.5°	147.0	115.3	87.0	76.7	38.5	12.0	0.0
15°	149.1	117.5	87.4	78.6	39.1	12.2	0.0
12.5°	150.9	119.4	87.7	80.3	39.6	12.3	0.0
10°	152.3	120.9	88.0	81.8	40.0	12.4	0.0
7.5°	153.3	122.1	88.1	83.2	40.2	12.5	0.0
5°	153.8	122.9	88.2	84.3	40.4	12.6	0.0
2.5°	154.1	123.4	88.3	85.2	40.5	12.6	0.0
0°	153.9	123.6	88.3	85.8	40.4	12.6	0.0
-2.5°	154.1	123.4	88.3	85.2	40.5	12.6	0.0
-5°	153.8	122.9	88.2	84.3	40.4	12.6	0.0
-7.5°	153.3	122.1	88.1	83.2	40.2	12.5	0.0
-10°	152.3	120.9	88.0	81.8	40.0	12.4	0.0
-12.5°	150.9	119.4	87.7	80.3	39.6	12.3	0.0
-15°	149.1	117.5	87.4	78.6	39.1	12.2	0.0
-17.5°	147.0	115.3	87.0	76.7	38.5	12.0	0.0
-20°	146.7	112.8	86.4	74.6	37.8	11.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	149.9	110.0	85.7	72.3	37.0	11.6	0.0
-25°	152.3	109.7	84.9	70.0	36.0	11.4	0.0
-27.5°	154.0	110.1	83.9	67.4	35.0	11.2	0.0
-30°	154.9	109.7	83.0	64.8	33.9	10.9	0.0
-32.5°	155.1	108.8	83.9	62.1	32.6	10.6	0.0
-35°	153.8	107.1	84.4	59.3	31.2	10.3	0.0
-37.5°	151.4	105.7	84.5	56.3	29.8	10.0	0.0
-40°	148.0	105.8	84.2	53.3	28.2	9.7	0.0
-42.5°	143.6	105.2	82.3	50.5	26.6	9.3	0.0
-45°	138.2	104.0	78.7	47.7	24.8	8.9	0.0
-47.5°	131.8	102.1	74.6	44.7	23.0	8.5	0.0
-50°	127.9	99.6	70.2	41.9	21.1	8.1	0.0
-52.5°	123.6	96.5	65.4	39.0	19.0	7.7	0.0
-55°	118.5	90.3	60.3	36.0	17.0	7.2	0.0
-57.5°	112.5	83.1	54.8	32.7	14.8	6.8	0.0
-60°	105.4	75.4	49.1	29.4	12.6	6.3	0.0
-62.5°	95.0	67.3	44.1	25.8	11.6	5.8	0.0
-65°	84.0	58.7	38.9	22.1	10.6	5.3	0.0
-67.5°	72.5	50.6	33.4	18.3	9.6	4.8	0.0
-70°	60.6	43.1	27.8	14.4	8.6	4.3	0.0
-72.5°	50.3	35.3	22.0	12.3	7.6	3.8	0.0
-75°	40.1	27.4	16.1	10.6	6.5	3.3	0.0
-77.5°	29.6	19.2	13.0	8.9	5.4	2.7	0.0
-80°	18.9	14.1	10.4	7.2	4.4	2.2	0.0
-82.5°	13.7	10.6	7.8	5.4	3.3	1.6	0.0
-85°	9.1	7.1	5.2	3.6	2.2	1.1	0.0
-87.5°	4.6	3.6	2.6	1.8	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)