

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: P559030 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-940-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559030 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5B-940-U-NAT-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (80) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

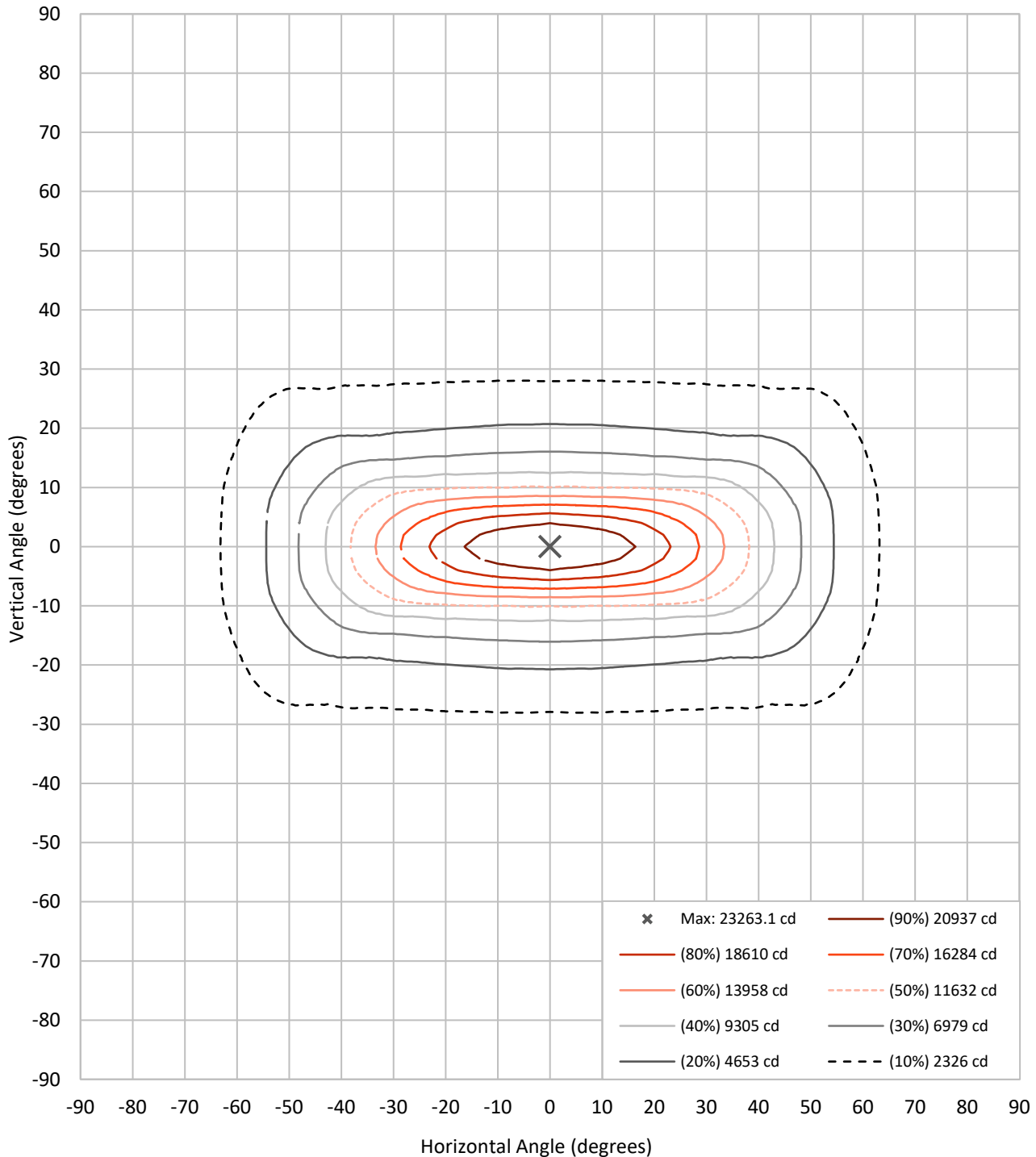
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	16660.6 lumens	Max Intensity:	23263.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	6665.8 lumens	Field Lumens:	13655.1 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

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





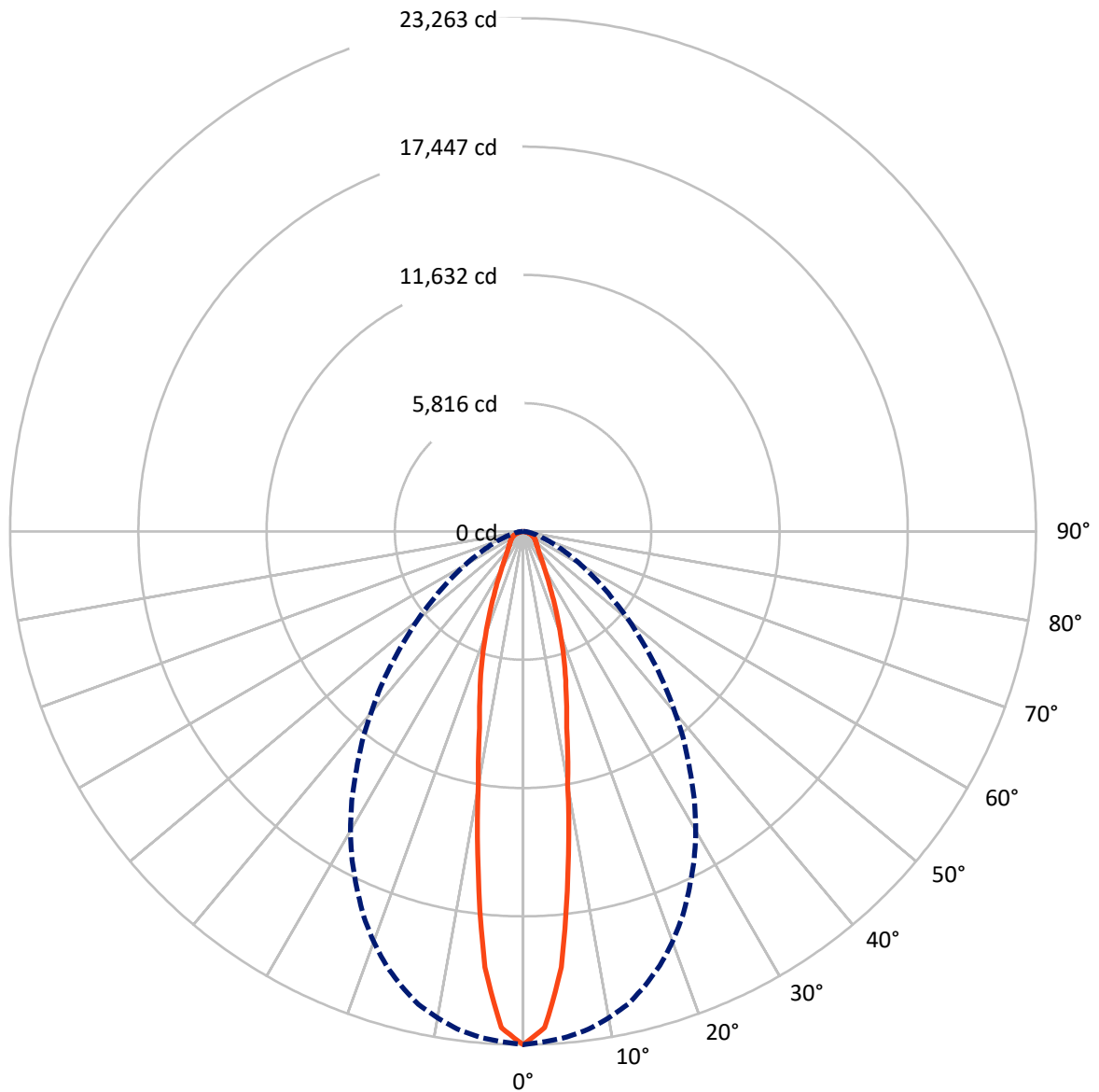
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Lumen Table

90																			
80	0.9	5.8		11.7		16.9		19.1		16.9		11.7		5.8		0.9			
70																			
60	3.6	3.3	5.8	8.0	9.9	11.8	13.5	14.5	14.5	13.5	11.8	9.9	8.0	5.8	3.3	3.6			
50		5.5	9.5	12.7	15.1	17.3	19.3	20.4	20.4	19.3	17.3	15.1	12.7	9.5	5.5				
40	7.2	8.3	14.5	19.1	22.2	24.4	26.2	27.2	27.2	26.2	24.4	22.2	19.1	14.5	8.3	7.2			
30		12.3	23.1	30.6	35.6	39.4	42.1	43.3	43.3	42.1	39.4	35.6	30.6	23.1	12.3				
20	11.0	17.3	39.4	58.7	70.9	82.3	91.6	97.0	97.0	91.6	82.3	70.9	58.7	39.4	17.3	11.0			
10		22.8	60.7	116.8	168.0	200.3	223.0	235.9	235.9	223.0	200.3	168.0	116.8	60.7	22.8				
0	12.6	26.1	78.0	172.2	297.8	422.4	514.1	562.3	562.3	514.1	422.4	297.8	172.2	78.0	26.1	12.6			
-10		26.1	78.0	172.2	297.8	422.4	514.1	562.3	562.3	514.1	422.4	297.8	172.2	78.0	26.1				
-20	11.0	22.8	60.7	116.8	168.0	200.3	223.0	235.9	235.9	223.0	200.3	168.0	116.8	60.7	22.8	11.0			
-30		17.3	39.4	58.7	70.9	82.3	91.6	97.0	97.0	91.6	82.3	70.9	58.7	39.4	17.3				
-40	7.2	12.3	23.1	30.6	35.6	39.4	42.1	43.3	43.3	42.1	39.4	35.6	30.6	23.1	12.3	7.2			
-50		8.3	14.5	19.1	22.2	24.4	26.2	27.2	27.2	26.2	24.4	22.2	19.1	14.5	8.3				
-60	3.6	5.5	9.5	12.7	15.1	17.3	19.3	20.4	20.4	19.3	17.3	15.1	12.7	9.5	5.5	3.6			
-70		3.3	5.8	8.0	9.9	11.8	13.5	14.5	14.5	13.5	11.8	9.9	8.0	5.8	3.3				
-80	0.9	5.8		11.7		16.9		19.1		16.9		11.7		5.8		0.9			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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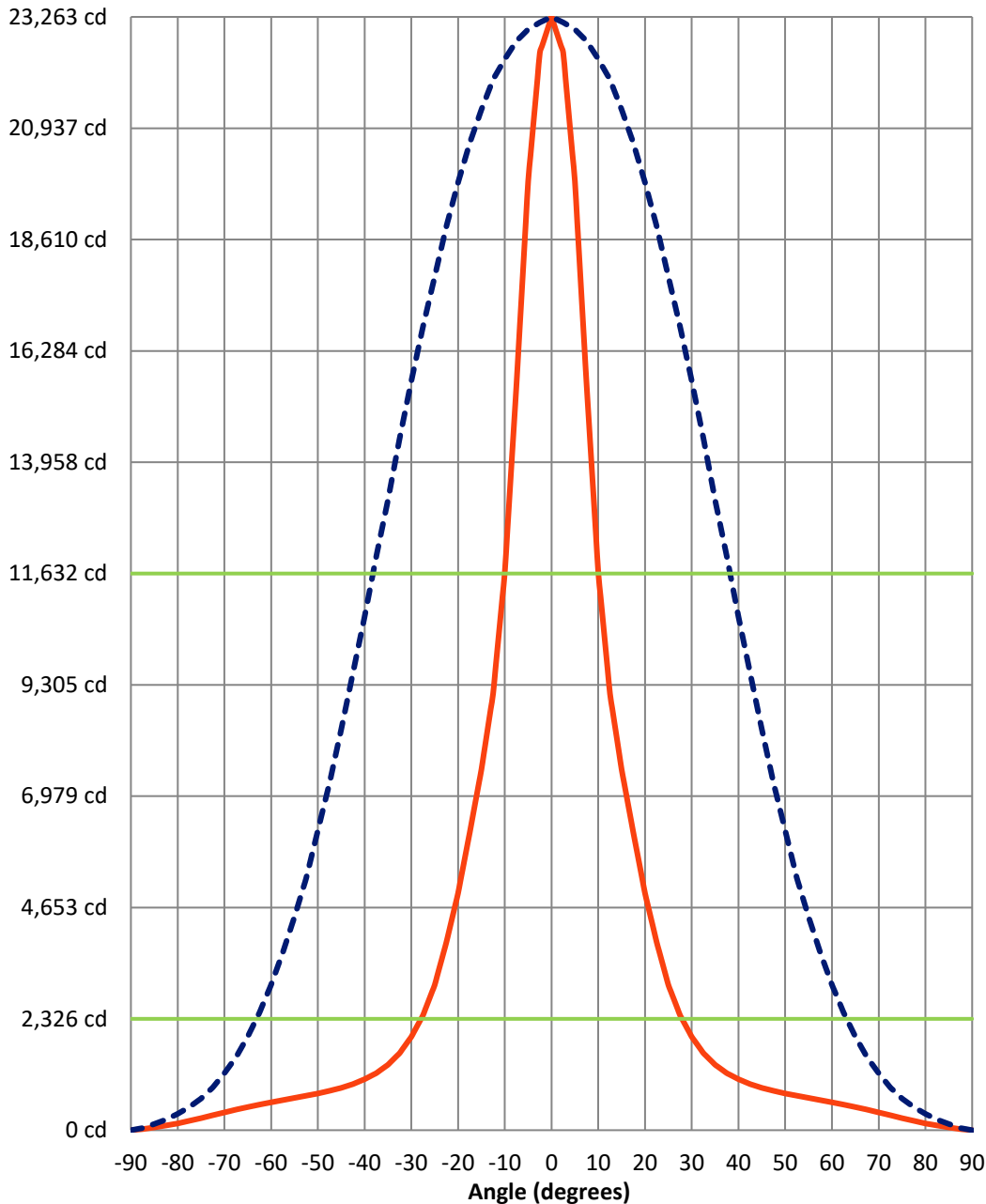
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 76.4°
 V Angle: 20°
 Lumens: 6665.8
 Efficiency: 40.0%

Field:
 H Angle: 126.3°
 V Angle: 55.8°
 Lumens: 13655.1
 Efficiency: 82.0%

Spill:
 Lumens: 3005.5
 Efficiency: 18.0%

— 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	1.9	3.9	5.5	7.0	8.2	9.3	10.5	11.7	12.7	13.7
85°	0.0	3.9	7.7	11.0	13.9	16.4	18.5	21.0	23.3	25.4	27.4
82.5°	0.0	5.8	11.6	16.5	20.9	24.6	27.8	31.5	35.7	42.6	48.8
80°	0.0	7.7	15.4	22.0	27.8	32.8	38.1	48.5	58.1	66.8	74.7
77.5°	0.0	9.6	19.2	27.5	34.7	43.6	56.1	68.7	80.4	91.1	101.2
75°	0.0	11.5	23.0	32.9	42.7	59.1	74.0	88.8	103.0	117.3	129.5
72.5°	0.0	13.3	26.7	38.3	55.4	74.5	91.9	109.7	128.2	144.2	157.9
70°	0.0	15.2	30.3	44.5	68.0	89.7	110.1	132.8	153.4	171.4	189.0
67.5°	0.0	17.0	33.9	54.1	80.5	104.9	130.8	155.8	178.7	202.2	221.1
65°	0.0	18.8	37.5	63.6	92.9	121.4	151.5	178.8	207.9	233.3	255.5
62.5°	0.0	20.5	41.0	73.0	105.1	139.2	172.1	204.5	237.3	265.7	294.8
60°	0.0	22.2	44.4	82.2	117.1	156.8	192.5	231.4	266.7	302.6	334.3
57.5°	0.0	23.9	50.4	91.2	131.3	174.2	215.7	258.3	299.7	339.6	377.0
55°	0.0	25.5	56.3	100.1	145.3	191.4	239.0	285.0	333.4	377.9	422.2
52.5°	0.0	27.0	62.0	108.8	159.2	208.8	262.0	315.0	367.1	421.4	468.5
50°	0.0	28.5	67.6	117.2	172.7	227.8	284.7	345.5	402.7	465.5	523.7
47.5°	0.0	30.0	73.0	125.9	186.0	246.5	307.6	376.1	443.4	510.4	581.7
45°	0.0	31.4	78.2	135.6	199.0	264.7	334.1	406.8	485.0	565.1	641.7
42.5°	0.0	32.7	83.2	145.1	211.6	282.5	360.4	440.8	526.6	621.2	710.1
40°	0.0	34.0	88.0	153.9	224.6	299.7	386.5	476.9	571.0	678.4	782.1
37.5°	0.0	35.2	92.6	162.1	237.9	316.5	412.2	512.4	621.4	738.2	856.4
35°	0.0	36.4	96.9	169.8	250.6	335.5	437.5	547.5	671.6	804.5	936.9
32.5°	0.0	37.4	101.0	177.0	262.8	355.4	463.5	581.9	721.5	871.7	1025.5
30°	0.0	38.4	104.9	183.6	274.5	374.6	491.2	617.4	770.8	939.5	1116.1
27.5°	0.0	39.4	108.6	189.7	284.2	393.2	518.1	657.6	822.3	1007.6	1208.3
25°	0.0	40.2	111.9	195.3	293.1	411.0	543.9	696.6	878.0	1081.6	1302.0
22.5°	0.0	41.0	115.0	200.3	301.3	426.9	568.5	734.2	932.5	1158.2	1404.4
20°	0.0	41.7	117.9	204.7	308.9	439.0	591.9	770.3	985.7	1233.7	1505.9
17.5°	0.0	42.3	120.4	208.6	315.8	449.6	609.6	804.6	1037.1	1307.5	1605.7
15°	0.0	42.9	122.6	211.9	321.9	458.7	622.7	831.6	1086.3	1379.0	1702.9
12.5°	0.0	43.3	124.6	214.6	327.2	466.4	634.0	849.2	1121.5	1447.5	1796.8
10°	0.0	43.7	126.2	216.8	331.8	472.6	643.3	863.7	1144.1	1479.8	1870.0
7.5°	0.0	44.0	127.6	218.5	335.5	477.4	650.7	875.3	1162.3	1501.1	1903.2
5°	0.0	44.2	128.6	219.6	338.4	480.7	656.0	883.7	1176.1	1515.8	1928.9
2.5°	0.0	44.4	129.3	220.2	340.3	482.6	659.3	889.0	1185.3	1524.1	1946.7
0°	0.0	44.4	129.7	220.2	341.4	483.1	660.6	891.1	1189.8	1526.1	1956.2
-2.5°	0.0	44.4	129.3	220.2	340.3	482.6	659.3	889.0	1185.3	1524.1	1946.7
-5°	0.0	44.2	128.6	219.6	338.4	480.7	656.0	883.7	1176.1	1515.8	1928.9
-7.5°	0.0	44.0	127.6	218.5	335.5	477.4	650.7	875.3	1162.3	1501.1	1903.2
-10°	0.0	43.7	126.2	216.8	331.8	472.6	643.3	863.7	1144.1	1479.8	1870.0
-12.5°	0.0	43.3	124.6	214.6	327.2	466.4	634.0	849.2	1121.5	1447.5	1796.8
-15°	0.0	42.9	122.6	211.9	321.9	458.7	622.7	831.6	1086.3	1379.0	1702.9
-17.5°	0.0	42.3	120.4	208.6	315.8	449.6	609.6	804.6	1037.1	1307.5	1605.7
-20°	0.0	41.7	117.9	204.7	308.9	439.0	591.9	770.3	985.7	1233.7	1505.9



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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	41.0	115.0	200.3	301.3	426.9	568.5	734.2	932.5	1158.2	1404.4
-25°	0.0	40.2	111.9	195.3	293.1	411.0	543.9	696.6	878.0	1081.6	1302.0
-27.5°	0.0	39.4	108.6	189.7	284.2	393.2	518.1	657.6	822.3	1007.6	1208.3
-30°	0.0	38.4	104.9	183.6	274.5	374.6	491.2	617.4	770.8	939.5	1116.1
-32.5°	0.0	37.4	101.0	177.0	262.8	355.4	463.5	581.9	721.5	871.7	1025.5
-35°	0.0	36.4	96.9	169.8	250.6	335.5	437.5	547.5	671.6	804.5	936.9
-37.5°	0.0	35.2	92.6	162.1	237.9	316.5	412.2	512.4	621.4	738.2	856.4
-40°	0.0	34.0	88.0	153.9	224.6	299.7	386.5	476.9	571.0	678.4	782.1
-42.5°	0.0	32.7	83.2	145.1	211.6	282.5	360.4	440.8	526.6	621.2	710.1
-45°	0.0	31.4	78.2	135.6	199.0	264.7	334.1	406.8	485.0	565.1	641.7
-47.5°	0.0	30.0	73.0	125.9	186.0	246.5	307.6	376.1	443.4	510.4	581.7
-50°	0.0	28.5	67.6	117.2	172.7	227.8	284.7	345.5	402.7	465.5	523.7
-52.5°	0.0	27.0	62.0	108.8	159.2	208.8	262.0	315.0	367.1	421.4	468.5
-55°	0.0	25.5	56.3	100.1	145.3	191.4	239.0	285.0	333.4	377.9	422.2
-57.5°	0.0	23.9	50.4	91.2	131.3	174.2	215.7	258.3	299.7	339.6	377.0
-60°	0.0	22.2	44.4	82.2	117.1	156.8	192.5	231.4	266.7	302.6	334.3
-62.5°	0.0	20.5	41.0	73.0	105.1	139.2	172.1	204.5	237.3	265.7	294.8
-65°	0.0	18.8	37.5	63.6	92.9	121.4	151.5	178.8	207.9	233.3	255.5
-67.5°	0.0	17.0	33.9	54.1	80.5	104.9	130.8	155.8	178.7	202.2	221.1
-70°	0.0	15.2	30.3	44.5	68.0	89.7	110.1	132.8	153.4	171.4	189.0
-72.5°	0.0	13.3	26.7	38.3	55.4	74.5	91.9	109.7	128.2	144.2	157.9
-75°	0.0	11.5	23.0	32.9	42.7	59.1	74.0	88.8	103.0	117.3	129.5
-77.5°	0.0	9.6	19.2	27.5	34.7	43.6	56.1	68.7	80.4	91.1	101.2
-80°	0.0	7.7	15.4	22.0	27.8	32.8	38.1	48.5	58.1	66.8	74.7
-82.5°	0.0	5.8	11.6	16.5	20.9	24.6	27.8	31.5	35.7	42.6	48.8
-85°	0.0	3.9	7.7	11.0	13.9	16.4	18.5	21.0	23.3	25.4	27.4
-87.5°	0.0	1.9	3.9	5.5	7.0	8.2	9.3	10.5	11.7	12.7	13.7
-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):

	-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°	14.8	15.8	16.7	17.6	18.4	19.2	19.9	20.5	21.4	22.2	23.0
85°	29.5	31.5	34.9	37.7	40.3	42.5	44.4	46.0	47.7	49.0	50.1
82.5°	54.3	58.9	62.5	65.3	68.4	71.1	73.5	75.5	77.7	79.6	81.3
80°	81.2	86.4	91.7	96.3	100.9	104.3	106.5	107.4	110.1	113.5	117.1
77.5°	110.1	118.0	124.9	130.8	135.7	140.0	143.0	144.9	149.2	154.1	158.4
75°	140.1	149.6	159.2	167.6	174.2	179.1	182.7	185.6	190.8	197.3	202.9
72.5°	171.3	184.2	195.5	205.2	214.1	220.9	226.0	229.3	234.4	242.1	248.3
70°	204.1	218.9	234.2	246.7	256.2	264.3	270.9	275.5	280.2	288.0	293.7
67.5°	238.1	259.1	276.1	289.4	300.0	309.9	317.4	322.3	324.4	332.2	338.7
65°	278.2	300.6	319.6	334.6	345.1	357.3	365.7	369.8	371.1	379.7	387.7
62.5°	319.0	343.9	364.6	381.8	395.6	407.1	416.5	421.8	422.7	429.0	438.2
60°	362.5	388.0	412.7	433.4	448.2	460.0	470.2	475.8	476.9	479.5	490.1
57.5°	407.9	435.5	464.4	487.6	504.7	514.5	525.7	531.8	534.4	532.8	543.7
55°	457.3	486.0	518.6	545.6	563.9	572.8	583.2	592.1	595.2	593.2	599.7
52.5°	513.3	541.8	576.6	606.2	626.7	637.4	644.8	655.5	660.4	658.2	656.9
50°	572.2	608.0	636.7	670.6	695.3	709.4	709.6	722.9	729.4	727.4	718.6
47.5°	638.7	679.1	700.8	739.7	771.8	788.4	789.6	794.9	802.8	804.9	797.3
45°	710.6	759.9	783.3	818.0	854.0	874.3	880.5	871.0	885.1	889.5	884.8
42.5°	786.4	849.3	886.2	900.3	942.2	970.4	981.3	974.6	973.9	983.7	983.6
40°	873.8	946.1	1001.6	1016.2	1037.4	1076.3	1099.4	1098.1	1072.3	1090.7	1095.5
37.5°	967.4	1061.3	1129.8	1160.3	1144.3	1196.2	1230.0	1243.7	1227.6	1209.5	1230.2
35°	1065.8	1184.6	1276.9	1328.8	1331.1	1329.9	1382.8	1411.2	1413.1	1380.0	1387.6
32.5°	1176.0	1315.4	1437.7	1521.7	1559.8	1536.3	1550.0	1609.6	1638.8	1626.2	1578.5
30°	1294.3	1465.3	1615.3	1733.8	1819.0	1844.1	1787.3	1833.8	1898.5	1924.4	1903.6
27.5°	1414.0	1624.4	1814.6	1978.9	2110.9	2194.6	2196.6	2124.8	2198.2	2260.4	2284.4
25°	1535.5	1783.6	2025.9	2248.6	2448.4	2592.3	2658.5	2666.3	2563.6	2656.9	2743.8
22.5°	1665.0	1947.4	2235.0	2535.8	2814.3	3025.6	3186.1	3282.9	3279.7	3181.8	3258.2
20°	1802.1	2125.7	2460.5	2817.4	3197.3	3487.6	3756.7	3962.4	4086.3	4127.4	4047.2
17.5°	1938.9	2305.6	2697.3	3122.4	3561.9	3964.5	4367.7	4695.9	4956.0	5169.6	5246.0
15°	2074.1	2485.0	2935.0	3429.5	3937.3	4441.2	4959.6	5462.4	5905.0	6295.8	6527.4
12.5°	2206.1	2662.0	3170.9	3735.1	4318.0	4924.5	5543.1	6155.6	6793.3	7426.2	7907.2
10°	2333.4	2834.3	3401.9	4035.4	4698.3	5407.7	6125.5	6852.4	7627.1	8373.6	9092.2
7.5°	2387.8	2947.0	3600.8	4326.3	5072.2	5883.3	6699.1	7543.1	8448.2	9319.2	10196.8
5°	2421.4	2991.7	3656.8	4412.6	5242.3	6193.8	7167.1	8212.6	9245.4	10248.3	11282.3
2.5°	2443.7	3022.3	3694.1	4446.7	5267.6	6244.8	7230.4	8315.9	9474.7	10634.2	11865.3
0°	2454.7	3038.5	3712.7	4457.0	5264.4	6261.3	7254.8	8374.6	9549.0	10728.5	11988.3
-2.5°	2443.7	3022.3	3694.1	4446.7	5267.6	6244.8	7230.4	8315.9	9474.7	10634.2	11865.3
-5°	2421.4	2991.7	3656.8	4412.6	5242.3	6193.8	7167.1	8212.6	9245.4	10248.3	11282.3
-7.5°	2387.8	2947.0	3600.8	4326.3	5072.2	5883.3	6699.1	7543.1	8448.2	9319.2	10196.8
-10°	2333.4	2834.3	3401.9	4035.4	4698.3	5407.7	6125.5	6852.4	7627.1	8373.6	9092.2
-12.5°	2206.1	2662.0	3170.9	3735.1	4318.0	4924.5	5543.1	6155.6	6793.3	7426.2	7907.2
-15°	2074.1	2485.0	2935.0	3429.5	3937.3	4441.2	4959.6	5462.4	5905.0	6295.8	6527.4
-17.5°	1938.9	2305.6	2697.3	3122.4	3561.9	3964.5	4367.7	4695.9	4956.0	5169.6	5246.0
-20°	1802.1	2125.7	2460.5	2817.4	3197.3	3487.6	3756.7	3962.4	4086.3	4127.4	4047.2



REPORT NUMBER: P559030 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1665.0	1947.4	2235.0	2535.8	2814.3	3025.6	3186.1	3282.9	3279.7	3181.8	3258.2
-25°	1535.5	1783.6	2025.9	2248.6	2448.4	2592.3	2658.5	2666.3	2563.6	2656.9	2743.8
-27.5°	1414.0	1624.4	1814.6	1978.9	2110.9	2194.6	2196.6	2124.8	2198.2	2260.4	2284.4
-30°	1294.3	1465.3	1615.3	1733.8	1819.0	1844.1	1787.3	1833.8	1898.5	1924.4	1903.6
-32.5°	1176.0	1315.4	1437.7	1521.7	1559.8	1536.3	1550.0	1609.6	1638.8	1626.2	1578.5
-35°	1065.8	1184.6	1276.9	1328.8	1331.1	1329.9	1382.8	1411.2	1413.1	1380.0	1387.6
-37.5°	967.4	1061.3	1129.8	1160.3	1144.3	1196.2	1230.0	1243.7	1227.6	1209.5	1230.2
-40°	873.8	946.1	1001.6	1016.2	1037.4	1076.3	1099.4	1098.1	1072.3	1090.7	1095.5
-42.5°	786.4	849.3	886.2	900.3	942.2	970.4	981.3	974.6	973.9	983.7	983.6
-45°	710.6	759.9	783.3	818.0	854.0	874.3	880.5	871.0	885.1	889.5	884.8
-47.5°	638.7	679.1	700.8	739.7	771.8	788.4	789.6	794.9	802.8	804.9	797.3
-50°	572.2	608.0	636.7	670.6	695.3	709.4	709.6	722.9	729.4	727.4	718.6
-52.5°	513.3	541.8	576.6	606.2	626.7	637.4	644.8	655.5	660.4	658.2	656.9
-55°	457.3	486.0	518.6	545.6	563.9	572.8	583.2	592.1	595.2	593.2	599.7
-57.5°	407.9	435.5	464.4	487.6	504.7	514.5	525.7	531.8	534.4	532.8	543.7
-60°	362.5	388.0	412.7	433.4	448.2	460.0	470.2	475.8	476.9	479.5	490.1
-62.5°	319.0	343.9	364.6	381.8	395.6	407.1	416.5	421.8	422.7	429.0	438.2
-65°	278.2	300.6	319.6	334.6	345.1	357.3	365.7	369.8	371.1	379.7	387.7
-67.5°	238.1	259.1	276.1	289.4	300.0	309.9	317.4	322.3	324.4	332.2	338.7
-70°	204.1	218.9	234.2	246.7	256.2	264.3	270.9	275.5	280.2	288.0	293.7
-72.5°	171.3	184.2	195.5	205.2	214.1	220.9	226.0	229.3	234.4	242.1	248.3
-75°	140.1	149.6	159.2	167.6	174.2	179.1	182.7	185.6	190.8	197.3	202.9
-77.5°	110.1	118.0	124.9	130.8	135.7	140.0	143.0	144.9	149.2	154.1	158.4
-80°	81.2	86.4	91.7	96.3	100.9	104.3	106.5	107.4	110.1	113.5	117.1
-82.5°	54.3	58.9	62.5	65.3	68.4	71.1	73.5	75.5	77.7	79.6	81.3
-85°	29.5	31.5	34.9	37.7	40.3	42.5	44.4	46.0	47.7	49.0	50.1
-87.5°	14.8	15.8	16.7	17.6	18.4	19.2	19.9	20.5	21.4	22.2	23.0
-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: P559030 (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°	23.8	23.4	22.9	22.3	21.7	21.7	21.7	21.6	21.4	21.3	21.0
85°	50.9	51.8	52.7	53.6	54.5	55.3	56.1	56.7	57.1	57.1	56.9
82.5°	82.8	85.5	88.3	90.9	93.3	94.6	95.6	96.2	96.5	97.3	97.9
80°	120.1	124.1	127.9	131.0	133.6	135.4	137.0	138.2	139.1	140.1	140.8
77.5°	162.5	167.0	171.3	175.1	178.4	181.4	184.1	186.1	187.7	190.0	192.2
75°	207.6	212.7	218.0	222.8	227.1	231.6	236.0	240.1	243.7	246.8	249.0
72.5°	253.1	258.5	265.1	271.2	276.9	283.0	288.9	294.2	298.7	302.9	306.7
70°	298.1	303.1	311.6	319.8	327.4	334.7	341.9	348.3	354.0	359.5	364.4
67.5°	344.5	349.8	360.3	369.8	378.3	386.3	394.7	402.1	408.6	414.4	419.5
65°	394.0	398.7	410.1	420.5	429.5	437.0	446.0	454.2	461.4	467.8	473.2
62.5°	445.3	450.0	459.4	469.7	478.2	485.4	496.0	505.2	513.0	519.4	524.8
60°	497.4	501.4	508.6	519.9	529.5	537.3	546.6	555.6	563.1	569.5	575.2
57.5°	551.4	555.5	559.0	570.3	579.4	586.6	594.7	603.5	610.8	616.8	622.7
55°	607.2	610.4	609.2	619.7	628.3	634.1	640.2	649.4	656.7	662.1	667.5
52.5°	664.3	668.0	665.4	669.8	679.2	684.5	687.1	697.1	704.5	709.3	714.3
50°	727.8	730.8	728.5	725.9	735.1	740.5	742.0	750.1	756.9	760.6	764.1
47.5°	796.7	800.3	798.5	788.5	796.7	803.6	803.7	807.2	814.2	817.0	819.1
45°	871.6	878.7	877.2	870.2	869.1	876.1	875.5	872.7	880.8	884.4	885.5
42.5°	969.9	967.6	969.8	965.8	953.4	961.4	962.4	952.3	962.4	966.8	964.2
40°	1090.3	1068.3	1080.4	1078.6	1067.0	1065.3	1071.6	1063.3	1064.9	1071.1	1066.3
37.5°	1233.5	1217.8	1211.2	1216.6	1213.2	1198.4	1210.2	1207.3	1198.0	1208.5	1203.9
35°	1409.7	1405.0	1369.6	1391.1	1395.6	1381.5	1385.6	1391.7	1371.4	1387.4	1385.7
32.5°	1615.8	1626.2	1618.6	1605.3	1625.5	1628.0	1604.7	1632.7	1621.4	1625.4	1636.4
30°	1849.1	1902.7	1928.8	1905.5	1918.0	1942.9	1931.5	1950.9	1960.2	1945.6	1973.2
27.5°	2256.9	2237.9	2300.3	2327.5	2298.4	2343.9	2376.9	2362.3	2410.5	2381.9	2422.8
25°	2775.1	2747.1	2763.9	2853.7	2873.6	2850.5	2943.6	2954.5	2992.8	2997.5	3026.0
22.5°	3383.8	3451.2	3443.4	3470.7	3583.5	3621.3	3655.6	3745.1	3724.7	3805.8	3819.9
20°	4064.5	4233.9	4350.6	4375.1	4423.3	4553.0	4612.5	4683.1	4730.5	4807.3	4872.2
17.5°	5216.0	5129.3	5358.1	5501.8	5577.4	5604.5	5760.7	5811.6	5929.0	5996.0	6062.6
15°	6694.5	6745.1	6641.8	6778.8	7010.3	7088.5	6998.7	7208.4	7267.4	7380.4	7400.4
12.5°	8274.7	8530.6	8656.0	8690.1	8569.1	8898.4	9030.2	8864.7	9052.5	9018.6	9173.2
10°	9782.6	10404.2	10776.2	11037.9	11197.0	11292.8	11388.0	11559.2	11562.2	11689.0	11615.0
7.5°	11020.5	11808.6	12561.4	13291.7	13875.8	14203.3	14460.5	14707.1	15036.2	15193.8	15296.2
5°	12231.6	13140.8	14041.6	14926.9	15728.5	16499.8	17255.7	17911.4	18258.9	18664.9	19026.9
2.5°	13015.0	14165.0	15315.4	16454.8	17381.1	18231.1	19017.8	19748.6	20389.6	20982.6	21483.3
0°	13167.8	14454.9	15655.0	16791.8	17834.8	18884.6	19801.3	20627.5	21325.6	21955.5	22380.6
-2.5°	13015.0	14165.0	15315.4	16454.8	17381.1	18231.1	19017.8	19748.6	20389.6	20982.6	21483.3
-5°	12231.6	13140.8	14041.6	14926.9	15728.5	16499.8	17255.7	17911.4	18258.9	18664.9	19026.9
-7.5°	11020.5	11808.6	12561.4	13291.7	13875.8	14203.3	14460.5	14707.1	15036.2	15193.8	15296.2
-10°	9782.6	10404.2	10776.2	11037.9	11197.0	11292.8	11388.0	11559.2	11562.2	11689.0	11615.0
-12.5°	8274.7	8530.6	8656.0	8690.1	8569.1	8898.4	9030.2	8864.7	9052.5	9018.6	9173.2
-15°	6694.5	6745.1	6641.8	6778.8	7010.3	7088.5	6998.7	7208.4	7267.4	7380.4	7400.4
-17.5°	5216.0	5129.3	5358.1	5501.8	5577.4	5604.5	5760.7	5811.6	5929.0	5996.0	6062.6
-20°	4064.5	4233.9	4350.6	4375.1	4423.3	4553.0	4612.5	4683.1	4730.5	4807.3	4872.2



REPORT NUMBER: P559030 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3383.8	3451.2	3443.4	3470.7	3583.5	3621.3	3655.6	3745.1	3724.7	3805.8	3819.9
-25°	2775.1	2747.1	2763.9	2853.7	2873.6	2850.5	2943.6	2954.5	2992.8	2997.5	3026.0
-27.5°	2256.9	2237.9	2300.3	2327.5	2298.4	2343.9	2376.9	2362.3	2410.5	2381.9	2422.8
-30°	1849.1	1902.7	1928.8	1905.5	1918.0	1942.9	1931.5	1950.9	1960.2	1945.6	1973.2
-32.5°	1615.8	1626.2	1618.6	1605.3	1625.5	1628.0	1604.7	1632.7	1621.4	1625.4	1636.4
-35°	1409.7	1405.0	1369.6	1391.1	1395.6	1381.5	1385.6	1391.7	1371.4	1387.4	1385.7
-37.5°	1233.5	1217.8	1211.2	1216.6	1213.2	1198.4	1210.2	1207.3	1198.0	1208.5	1203.9
-40°	1090.3	1068.3	1080.4	1078.6	1067.0	1065.3	1071.6	1063.3	1064.9	1071.1	1066.3
-42.5°	969.9	967.6	969.8	965.8	953.4	961.4	962.4	952.3	962.4	966.8	964.2
-45°	871.6	878.7	877.2	870.2	869.1	876.1	875.5	872.7	880.8	884.4	885.5
-47.5°	796.7	800.3	798.5	788.5	796.7	803.6	803.7	807.2	814.2	817.0	819.1
-50°	727.8	730.8	728.5	725.9	735.1	740.5	742.0	750.1	756.9	760.6	764.1
-52.5°	664.3	668.0	665.4	669.8	679.2	684.5	687.1	697.1	704.5	709.3	714.3
-55°	607.2	610.4	609.2	619.7	628.3	634.1	640.2	649.4	656.7	662.1	667.5
-57.5°	551.4	555.5	559.0	570.3	579.4	586.6	594.7	603.5	610.8	616.8	622.7
-60°	497.4	501.4	508.6	519.9	529.5	537.3	546.6	555.6	563.1	569.5	575.2
-62.5°	445.3	450.0	459.4	469.7	478.2	485.4	496.0	505.2	513.0	519.4	524.8
-65°	394.0	398.7	410.1	420.5	429.5	437.0	446.0	454.2	461.4	467.8	473.2
-67.5°	344.5	349.8	360.3	369.8	378.3	386.3	394.7	402.1	408.6	414.4	419.5
-70°	298.1	303.1	311.6	319.8	327.4	334.7	341.9	348.3	354.0	359.5	364.4
-72.5°	253.1	258.5	265.1	271.2	276.9	283.0	288.9	294.2	298.7	302.9	306.7
-75°	207.6	212.7	218.0	222.8	227.1	231.6	236.0	240.1	243.7	246.8	249.0
-77.5°	162.5	167.0	171.3	175.1	178.4	181.4	184.1	186.1	187.7	190.0	192.2
-80°	120.1	124.1	127.9	131.0	133.6	135.4	137.0	138.2	139.1	140.1	140.8
-82.5°	82.8	85.5	88.3	90.9	93.3	94.6	95.6	96.2	96.5	97.3	97.9
-85°	50.9	51.8	52.7	53.6	54.5	55.3	56.1	56.7	57.1	57.1	56.9
-87.5°	23.8	23.4	22.9	22.3	21.7	21.7	21.7	21.6	21.4	21.3	21.0
-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: P559030 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-940-U-NAT-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°	20.7	20.4	21.3	22.2	21.3	20.4	20.7	21.0	21.3	21.4	21.6
85°	56.5	56.0	57.1	58.0	57.1	56.0	56.5	56.9	57.1	57.1	56.7
82.5°	98.3	98.5	98.9	99.0	98.9	98.5	98.3	97.9	97.3	96.5	96.2
80°	141.1	141.1	140.7	140.0	140.7	141.1	141.1	140.8	140.1	139.1	138.2
77.5°	194.0	195.2	196.0	196.3	196.0	195.2	194.0	192.2	190.0	187.7	186.1
75°	250.6	251.3	251.5	250.9	251.5	251.3	250.6	249.0	246.8	243.7	240.1
72.5°	309.9	312.4	312.9	312.4	312.9	312.4	309.9	306.7	302.9	298.7	294.2
70°	368.6	371.8	371.7	370.4	371.7	371.8	368.6	364.4	359.5	354.0	348.3
67.5°	423.5	426.5	428.8	430.2	428.8	426.5	423.5	419.5	414.4	408.6	402.1
65°	477.6	480.8	482.6	483.1	482.6	480.8	477.6	473.2	467.8	461.4	454.2
62.5°	529.0	532.0	533.7	534.3	533.7	532.0	529.0	524.8	519.4	513.0	505.2
60°	579.7	582.9	583.4	582.1	583.4	582.9	579.7	575.2	569.5	563.1	555.6
57.5°	627.3	630.6	630.6	628.2	630.6	630.6	627.3	622.7	616.8	610.8	603.5
55°	671.4	673.7	674.7	674.3	674.7	673.7	671.4	667.5	662.1	656.7	649.4
52.5°	718.0	719.9	720.7	720.4	720.7	719.9	718.0	714.3	709.3	704.5	697.1
50°	766.6	766.8	766.7	766.4	766.7	766.8	766.6	764.1	760.6	756.9	750.1
47.5°	822.1	822.7	822.8	822.8	822.8	822.7	822.1	819.1	817.0	814.2	807.2
45°	887.8	885.9	884.1	884.2	884.1	885.9	887.8	885.5	884.4	880.8	872.7
42.5°	966.6	964.6	962.2	962.8	962.2	964.6	966.6	964.2	966.8	962.4	952.3
40°	1070.5	1069.9	1066.4	1065.2	1066.4	1069.9	1070.5	1066.3	1071.1	1064.9	1063.3
37.5°	1204.6	1202.6	1194.8	1191.5	1194.8	1202.6	1204.6	1203.9	1208.5	1198.0	1207.3
35°	1380.9	1378.3	1366.4	1367.3	1366.4	1378.3	1380.9	1385.7	1387.4	1371.4	1391.7
32.5°	1630.9	1631.8	1613.9	1609.7	1613.9	1631.8	1630.9	1636.4	1625.4	1621.4	1632.7
30°	1956.1	1963.2	1942.0	1951.1	1942.0	1963.2	1956.1	1973.2	1945.6	1960.2	1950.9
27.5°	2422.0	2435.7	2416.9	2401.8	2416.9	2435.7	2422.0	2422.8	2381.9	2410.5	2362.3
25°	3063.4	3073.5	3052.1	3033.4	3052.1	3073.5	3063.4	3026.0	2997.5	2992.8	2954.5
22.5°	3898.2	3897.6	3896.5	3926.1	3896.5	3897.6	3898.2	3819.9	3805.8	3724.7	3745.1
20°	4914.2	4889.6	4926.4	4950.3	4926.4	4889.6	4914.2	4872.2	4807.3	4730.5	4683.1
17.5°	6078.1	6124.2	6159.6	6218.6	6159.6	6124.2	6078.1	6062.6	5996.0	5929.0	5811.6
15°	7450.4	7520.0	7555.5	7536.4	7555.5	7520.0	7450.4	7400.4	7380.4	7267.4	7208.4
12.5°	9178.6	9261.7	9200.4	9123.9	9200.4	9261.7	9178.6	9173.2	9018.6	9052.5	8864.7
10°	11616.1	11795.0	11804.9	11655.4	11804.9	11795.0	11616.1	11615.0	11689.0	11562.2	11559.2
7.5°	15355.7	15442.8	15574.8	15581.6	15574.8	15442.8	15355.7	15296.2	15193.8	15036.2	14707.1
5°	19191.1	19422.7	19572.1	19830.3	19572.1	19422.7	19191.1	19026.9	18664.9	18258.9	17911.4
2.5°	21806.7	22106.2	22221.1	22513.7	22221.1	22106.2	21806.7	21483.3	20982.6	20389.6	19748.6
0°	22759.5	23001.9	23147.0	23263.1	23147.0	23001.9	22759.5	22380.6	21955.5	21325.6	20627.5
-2.5°	21806.7	22106.2	22221.1	22513.7	22221.1	22106.2	21806.7	21483.3	20982.6	20389.6	19748.6
-5°	19191.1	19422.7	19572.1	19830.3	19572.1	19422.7	19191.1	19026.9	18664.9	18258.9	17911.4
-7.5°	15355.7	15442.8	15574.8	15581.6	15574.8	15442.8	15355.7	15296.2	15193.8	15036.2	14707.1
-10°	11616.1	11795.0	11804.9	11655.4	11804.9	11795.0	11616.1	11615.0	11689.0	11562.2	11559.2
-12.5°	9178.6	9261.7	9200.4	9123.9	9200.4	9261.7	9178.6	9173.2	9018.6	9052.5	8864.7
-15°	7450.4	7520.0	7555.5	7536.4	7555.5	7520.0	7450.4	7400.4	7380.4	7267.4	7208.4
-17.5°	6078.1	6124.2	6159.6	6218.6	6159.6	6124.2	6078.1	6062.6	5996.0	5929.0	5811.6
-20°	4914.2	4889.6	4926.4	4950.3	4926.4	4889.6	4914.2	4872.2	4807.3	4730.5	4683.1



REPORT NUMBER: P559030 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3898.2	3897.6	3896.5	3926.1	3896.5	3897.6	3898.2	3819.9	3805.8	3724.7	3745.1
-25°	3063.4	3073.5	3052.1	3033.4	3052.1	3073.5	3063.4	3026.0	2997.5	2992.8	2954.5
-27.5°	2422.0	2435.7	2416.9	2401.8	2416.9	2435.7	2422.0	2422.8	2381.9	2410.5	2362.3
-30°	1956.1	1963.2	1942.0	1951.1	1942.0	1963.2	1956.1	1973.2	1945.6	1960.2	1950.9
-32.5°	1630.9	1631.8	1613.9	1609.7	1613.9	1631.8	1630.9	1636.4	1625.4	1621.4	1632.7
-35°	1380.9	1378.3	1366.4	1367.3	1366.4	1378.3	1380.9	1385.7	1387.4	1371.4	1391.7
-37.5°	1204.6	1202.6	1194.8	1191.5	1194.8	1202.6	1204.6	1203.9	1208.5	1198.0	1207.3
-40°	1070.5	1069.9	1066.4	1065.2	1066.4	1069.9	1070.5	1066.3	1071.1	1064.9	1063.3
-42.5°	966.6	964.6	962.2	962.8	962.2	964.6	966.6	964.2	966.8	962.4	952.3
-45°	887.8	885.9	884.1	884.2	884.1	885.9	887.8	885.5	884.4	880.8	872.7
-47.5°	822.1	822.7	822.8	822.8	822.8	822.7	822.1	819.1	817.0	814.2	807.2
-50°	766.6	766.8	766.7	766.4	766.7	766.8	766.6	764.1	760.6	756.9	750.1
-52.5°	718.0	719.9	720.7	720.4	720.7	719.9	718.0	714.3	709.3	704.5	697.1
-55°	671.4	673.7	674.7	674.3	674.7	673.7	671.4	667.5	662.1	656.7	649.4
-57.5°	627.3	630.6	630.6	628.2	630.6	630.6	627.3	622.7	616.8	610.8	603.5
-60°	579.7	582.9	583.4	582.1	583.4	582.9	579.7	575.2	569.5	563.1	555.6
-62.5°	529.0	532.0	533.7	534.3	533.7	532.0	529.0	524.8	519.4	513.0	505.2
-65°	477.6	480.8	482.6	483.1	482.6	480.8	477.6	473.2	467.8	461.4	454.2
-67.5°	423.5	426.5	428.8	430.2	428.8	426.5	423.5	419.5	414.4	408.6	402.1
-70°	368.6	371.8	371.7	370.4	371.7	371.8	368.6	364.4	359.5	354.0	348.3
-72.5°	309.9	312.4	312.9	312.4	312.9	312.4	309.9	306.7	302.9	298.7	294.2
-75°	250.6	251.3	251.5	250.9	251.5	251.3	250.6	249.0	246.8	243.7	240.1
-77.5°	194.0	195.2	196.0	196.3	196.0	195.2	194.0	192.2	190.0	187.7	186.1
-80°	141.1	141.1	140.7	140.0	140.7	141.1	141.1	140.8	140.1	139.1	138.2
-82.5°	98.3	98.5	98.9	99.0	98.9	98.5	98.3	97.9	97.3	96.5	96.2
-85°	56.5	56.0	57.1	58.0	57.1	56.0	56.5	56.9	57.1	57.1	56.7
-87.5°	20.7	20.4	21.3	22.2	21.3	20.4	20.7	21.0	21.3	21.4	21.6
-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):

	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°	21.7	21.7	21.7	22.3	22.9	23.4	23.8	23.0	22.2	21.4	20.5
85°	56.1	55.3	54.5	53.6	52.7	51.8	50.9	50.1	49.0	47.7	46.0
82.5°	95.6	94.6	93.3	90.9	88.3	85.5	82.8	81.3	79.6	77.7	75.5
80°	137.0	135.4	133.6	131.0	127.9	124.1	120.1	117.1	113.5	110.1	107.4
77.5°	184.1	181.4	178.4	175.1	171.3	167.0	162.5	158.4	154.1	149.2	144.9
75°	236.0	231.6	227.1	222.8	218.0	212.7	207.6	202.9	197.3	190.8	185.6
72.5°	288.9	283.0	276.9	271.2	265.1	258.5	253.1	248.3	242.1	234.4	229.3
70°	341.9	334.7	327.4	319.8	311.6	303.1	298.1	293.7	288.0	280.2	275.5
67.5°	394.7	386.3	378.3	369.8	360.3	349.8	344.5	338.7	332.2	324.4	322.3
65°	446.0	437.0	429.5	420.5	410.1	398.7	394.0	387.7	379.7	371.1	369.8
62.5°	496.0	485.4	478.2	469.7	459.4	450.0	445.3	438.2	429.0	422.7	421.8
60°	546.6	537.3	529.5	519.9	508.6	501.4	497.4	490.1	479.5	476.9	475.8
57.5°	594.7	586.6	579.4	570.3	559.0	555.5	551.4	543.7	532.8	534.4	531.8
55°	640.2	634.1	628.3	619.7	609.2	610.4	607.2	599.7	593.2	595.2	592.1
52.5°	687.1	684.5	679.2	669.8	665.4	668.0	664.3	656.9	658.2	660.4	655.5
50°	742.0	740.5	735.1	725.9	728.5	730.8	727.8	718.6	727.4	729.4	722.9
47.5°	803.7	803.6	796.7	788.5	798.5	800.3	796.7	797.3	804.9	802.8	794.9
45°	875.5	876.1	869.1	870.2	877.2	878.7	871.6	884.8	889.5	885.1	871.0
42.5°	962.4	961.4	953.4	965.8	969.8	967.6	969.9	983.6	983.7	973.9	974.6
40°	1071.6	1065.3	1067.0	1078.6	1080.4	1068.3	1090.3	1095.5	1090.7	1072.3	1098.1
37.5°	1210.2	1198.4	1213.2	1216.6	1211.2	1217.8	1233.5	1230.2	1209.5	1227.6	1243.7
35°	1385.6	1381.5	1395.6	1391.1	1369.6	1405.0	1409.7	1387.6	1380.0	1413.1	1411.2
32.5°	1604.7	1628.0	1625.5	1605.3	1618.6	1626.2	1615.8	1578.5	1626.2	1638.8	1609.6
30°	1931.5	1942.9	1918.0	1905.5	1928.8	1902.7	1849.1	1903.6	1924.4	1898.5	1833.8
27.5°	2376.9	2343.9	2298.4	2327.5	2300.3	2237.9	2256.9	2284.4	2260.4	2198.2	2124.8
25°	2943.6	2850.5	2873.6	2853.7	2763.9	2747.1	2775.1	2743.8	2656.9	2563.6	2666.3
22.5°	3655.6	3621.3	3583.5	3470.7	3443.4	3451.2	3383.8	3258.2	3181.8	3279.7	3282.9
20°	4612.5	4553.0	4423.3	4375.1	4350.6	4233.9	4064.5	4047.2	4127.4	4086.3	3962.4
17.5°	5760.7	5604.5	5577.4	5501.8	5358.1	5129.3	5216.0	5246.0	5169.6	4956.0	4695.9
15°	6998.7	7088.5	7010.3	6778.8	6641.8	6745.1	6694.5	6527.4	6295.8	5905.0	5462.4
12.5°	9030.2	8898.4	8569.1	8690.1	8656.0	8530.6	8274.7	7907.2	7426.2	6793.3	6155.6
10°	11388.0	11292.8	11197.0	11037.9	10776.2	10404.2	9782.6	9092.2	8373.6	7627.1	6852.4
7.5°	14460.5	14203.3	13875.8	13291.7	12561.4	11808.6	11020.5	10196.8	9319.2	8448.2	7543.1
5°	17255.7	16499.8	15728.5	14926.9	14041.6	13140.8	12231.6	11282.3	10248.3	9245.4	8212.6
2.5°	19017.8	18231.1	17381.1	16454.8	15315.4	14165.0	13015.0	11865.3	10634.2	9474.7	8315.9
0°	19801.3	18884.6	17834.8	16791.8	15655.0	14454.9	13167.8	11988.3	10728.5	9549.0	8374.6
-2.5°	19017.8	18231.1	17381.1	16454.8	15315.4	14165.0	13015.0	11865.3	10634.2	9474.7	8315.9
-5°	17255.7	16499.8	15728.5	14926.9	14041.6	13140.8	12231.6	11282.3	10248.3	9245.4	8212.6
-7.5°	14460.5	14203.3	13875.8	13291.7	12561.4	11808.6	11020.5	10196.8	9319.2	8448.2	7543.1
-10°	11388.0	11292.8	11197.0	11037.9	10776.2	10404.2	9782.6	9092.2	8373.6	7627.1	6852.4
-12.5°	9030.2	8898.4	8569.1	8690.1	8656.0	8530.6	8274.7	7907.2	7426.2	6793.3	6155.6
-15°	6998.7	7088.5	7010.3	6778.8	6641.8	6745.1	6694.5	6527.4	6295.8	5905.0	5462.4
-17.5°	5760.7	5604.5	5577.4	5501.8	5358.1	5129.3	5216.0	5246.0	5169.6	4956.0	4695.9
-20°	4612.5	4553.0	4423.3	4375.1	4350.6	4233.9	4064.5	4047.2	4127.4	4086.3	3962.4



REPORT NUMBER: P559030 (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°	3655.6	3621.3	3583.5	3470.7	3443.4	3451.2	3383.8	3258.2	3181.8	3279.7	3282.9
-25°	2943.6	2850.5	2873.6	2853.7	2763.9	2747.1	2775.1	2743.8	2656.9	2563.6	2666.3
-27.5°	2376.9	2343.9	2298.4	2327.5	2300.3	2237.9	2256.9	2284.4	2260.4	2198.2	2124.8
-30°	1931.5	1942.9	1918.0	1905.5	1928.8	1902.7	1849.1	1903.6	1924.4	1898.5	1833.8
-32.5°	1604.7	1628.0	1625.5	1605.3	1618.6	1626.2	1615.8	1578.5	1626.2	1638.8	1609.6
-35°	1385.6	1381.5	1395.6	1391.1	1369.6	1405.0	1409.7	1387.6	1380.0	1413.1	1411.2
-37.5°	1210.2	1198.4	1213.2	1216.6	1211.2	1217.8	1233.5	1230.2	1209.5	1227.6	1243.7
-40°	1071.6	1065.3	1067.0	1078.6	1080.4	1068.3	1090.3	1095.5	1090.7	1072.3	1098.1
-42.5°	962.4	961.4	953.4	965.8	969.8	967.6	969.9	983.6	983.7	973.9	974.6
-45°	875.5	876.1	869.1	870.2	877.2	878.7	871.6	884.8	889.5	885.1	871.0
-47.5°	803.7	803.6	796.7	788.5	798.5	800.3	796.7	797.3	804.9	802.8	794.9
-50°	742.0	740.5	735.1	725.9	728.5	730.8	727.8	718.6	727.4	729.4	722.9
-52.5°	687.1	684.5	679.2	669.8	665.4	668.0	664.3	656.9	658.2	660.4	655.5
-55°	640.2	634.1	628.3	619.7	609.2	610.4	607.2	599.7	593.2	595.2	592.1
-57.5°	594.7	586.6	579.4	570.3	559.0	555.5	551.4	543.7	532.8	534.4	531.8
-60°	546.6	537.3	529.5	519.9	508.6	501.4	497.4	490.1	479.5	476.9	475.8
-62.5°	496.0	485.4	478.2	469.7	459.4	450.0	445.3	438.2	429.0	422.7	421.8
-65°	446.0	437.0	429.5	420.5	410.1	398.7	394.0	387.7	379.7	371.1	369.8
-67.5°	394.7	386.3	378.3	369.8	360.3	349.8	344.5	338.7	332.2	324.4	322.3
-70°	341.9	334.7	327.4	319.8	311.6	303.1	298.1	293.7	288.0	280.2	275.5
-72.5°	288.9	283.0	276.9	271.2	265.1	258.5	253.1	248.3	242.1	234.4	229.3
-75°	236.0	231.6	227.1	222.8	218.0	212.7	207.6	202.9	197.3	190.8	185.6
-77.5°	184.1	181.4	178.4	175.1	171.3	167.0	162.5	158.4	154.1	149.2	144.9
-80°	137.0	135.4	133.6	131.0	127.9	124.1	120.1	117.1	113.5	110.1	107.4
-82.5°	95.6	94.6	93.3	90.9	88.3	85.5	82.8	81.3	79.6	77.7	75.5
-85°	56.1	55.3	54.5	53.6	52.7	51.8	50.9	50.1	49.0	47.7	46.0
-87.5°	21.7	21.7	21.7	22.3	22.9	23.4	23.8	23.0	22.2	21.4	20.5
-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: P559030 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	19.9	19.2	18.4	17.6	16.7	15.8	14.8	13.7	12.7	11.7	10.5
85°	44.4	42.5	40.3	37.7	34.9	31.5	29.5	27.4	25.4	23.3	21.0
82.5°	73.5	71.1	68.4	65.3	62.5	58.9	54.3	48.8	42.6	35.7	31.5
80°	106.5	104.3	100.9	96.3	91.7	86.4	81.2	74.7	66.8	58.1	48.5
77.5°	143.0	140.0	135.7	130.8	124.9	118.0	110.1	101.2	91.1	80.4	68.7
75°	182.7	179.1	174.2	167.6	159.2	149.6	140.1	129.5	117.3	103.0	88.8
72.5°	226.0	220.9	214.1	205.2	195.5	184.2	171.3	157.9	144.2	128.2	109.7
70°	270.9	264.3	256.2	246.7	234.2	218.9	204.1	189.0	171.4	153.4	132.8
67.5°	317.4	309.9	300.0	289.4	276.1	259.1	238.1	221.1	202.2	178.7	155.8
65°	365.7	357.3	345.1	334.6	319.6	300.6	278.2	255.5	233.3	207.9	178.8
62.5°	416.5	407.1	395.6	381.8	364.6	343.9	319.0	294.8	265.7	237.3	204.5
60°	470.2	460.0	448.2	433.4	412.7	388.0	362.5	334.3	302.6	266.7	231.4
57.5°	525.7	514.5	504.7	487.6	464.4	435.5	407.9	377.0	339.6	299.7	258.3
55°	583.2	572.8	563.9	545.6	518.6	486.0	457.3	422.2	377.9	333.4	285.0
52.5°	644.8	637.4	626.7	606.2	576.6	541.8	513.3	468.5	421.4	367.1	315.0
50°	709.6	709.4	695.3	670.6	636.7	608.0	572.2	523.7	465.5	402.7	345.5
47.5°	789.6	788.4	771.8	739.7	700.8	679.1	638.7	581.7	510.4	443.4	376.1
45°	880.5	874.3	854.0	818.0	783.3	759.9	710.6	641.7	565.1	485.0	406.8
42.5°	981.3	970.4	942.2	900.3	886.2	849.3	786.4	710.1	621.2	526.6	440.8
40°	1099.4	1076.3	1037.4	1016.2	1001.6	946.1	873.8	782.1	678.4	571.0	476.9
37.5°	1230.0	1196.2	1144.3	1160.3	1129.8	1061.3	967.4	856.4	738.2	621.4	512.4
35°	1382.8	1329.9	1331.1	1328.8	1276.9	1184.6	1065.8	936.9	804.5	671.6	547.5
32.5°	1550.0	1536.3	1559.8	1521.7	1437.7	1315.4	1176.0	1025.5	871.7	721.5	581.9
30°	1787.3	1844.1	1819.0	1733.8	1615.3	1465.3	1294.3	1116.1	939.5	770.8	617.4
27.5°	2196.6	2194.6	2110.9	1978.9	1814.6	1624.4	1414.0	1208.3	1007.6	822.3	657.6
25°	2658.5	2592.3	2448.4	2248.6	2025.9	1783.6	1535.5	1302.0	1081.6	878.0	696.6
22.5°	3186.1	3025.6	2814.3	2535.8	2235.0	1947.4	1665.0	1404.4	1158.2	932.5	734.2
20°	3756.7	3487.6	3197.3	2817.4	2460.5	2125.7	1802.1	1505.9	1233.7	985.7	770.3
17.5°	4367.7	3964.5	3561.9	3122.4	2697.3	2305.6	1938.9	1605.7	1307.5	1037.1	804.6
15°	4959.6	4441.2	3937.3	3429.5	2935.0	2485.0	2074.1	1702.9	1379.0	1086.3	831.6
12.5°	5543.1	4924.5	4318.0	3735.1	3170.9	2662.0	2206.1	1796.8	1447.5	1121.5	849.2
10°	6125.5	5407.7	4698.3	4035.4	3401.9	2834.3	2333.4	1870.0	1479.8	1144.1	863.7
7.5°	6699.1	5883.3	5072.2	4326.3	3600.8	2947.0	2387.8	1903.2	1501.1	1162.3	875.3
5°	7167.1	6193.8	5242.3	4412.6	3656.8	2991.7	2421.4	1928.9	1515.8	1176.1	883.7
2.5°	7230.4	6244.8	5267.6	4446.7	3694.1	3022.3	2443.7	1946.7	1524.1	1185.3	889.0
0°	7254.8	6261.3	5264.4	4457.0	3712.7	3038.5	2454.7	1956.2	1526.1	1189.8	891.1
-2.5°	7230.4	6244.8	5267.6	4446.7	3694.1	3022.3	2443.7	1946.7	1524.1	1185.3	889.0
-5°	7167.1	6193.8	5242.3	4412.6	3656.8	2991.7	2421.4	1928.9	1515.8	1176.1	883.7
-7.5°	6699.1	5883.3	5072.2	4326.3	3600.8	2947.0	2387.8	1903.2	1501.1	1162.3	875.3
-10°	6125.5	5407.7	4698.3	4035.4	3401.9	2834.3	2333.4	1870.0	1479.8	1144.1	863.7
-12.5°	5543.1	4924.5	4318.0	3735.1	3170.9	2662.0	2206.1	1796.8	1447.5	1121.5	849.2
-15°	4959.6	4441.2	3937.3	3429.5	2935.0	2485.0	2074.1	1702.9	1379.0	1086.3	831.6
-17.5°	4367.7	3964.5	3561.9	3122.4	2697.3	2305.6	1938.9	1605.7	1307.5	1037.1	804.6
-20°	3756.7	3487.6	3197.3	2817.4	2460.5	2125.7	1802.1	1505.9	1233.7	985.7	770.3



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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°	3186.1	3025.6	2814.3	2535.8	2235.0	1947.4	1665.0	1404.4	1158.2	932.5	734.2
-25°	2658.5	2592.3	2448.4	2248.6	2025.9	1783.6	1535.5	1302.0	1081.6	878.0	696.6
-27.5°	2196.6	2194.6	2110.9	1978.9	1814.6	1624.4	1414.0	1208.3	1007.6	822.3	657.6
-30°	1787.3	1844.1	1819.0	1733.8	1615.3	1465.3	1294.3	1116.1	939.5	770.8	617.4
-32.5°	1550.0	1536.3	1559.8	1521.7	1437.7	1315.4	1176.0	1025.5	871.7	721.5	581.9
-35°	1382.8	1329.9	1331.1	1328.8	1276.9	1184.6	1065.8	936.9	804.5	671.6	547.5
-37.5°	1230.0	1196.2	1144.3	1160.3	1129.8	1061.3	967.4	856.4	738.2	621.4	512.4
-40°	1099.4	1076.3	1037.4	1016.2	1001.6	946.1	873.8	782.1	678.4	571.0	476.9
-42.5°	981.3	970.4	942.2	900.3	886.2	849.3	786.4	710.1	621.2	526.6	440.8
-45°	880.5	874.3	854.0	818.0	783.3	759.9	710.6	641.7	565.1	485.0	406.8
-47.5°	789.6	788.4	771.8	739.7	700.8	679.1	638.7	581.7	510.4	443.4	376.1
-50°	709.6	709.4	695.3	670.6	636.7	608.0	572.2	523.7	465.5	402.7	345.5
-52.5°	644.8	637.4	626.7	606.2	576.6	541.8	513.3	468.5	421.4	367.1	315.0
-55°	583.2	572.8	563.9	545.6	518.6	486.0	457.3	422.2	377.9	333.4	285.0
-57.5°	525.7	514.5	504.7	487.6	464.4	435.5	407.9	377.0	339.6	299.7	258.3
-60°	470.2	460.0	448.2	433.4	412.7	388.0	362.5	334.3	302.6	266.7	231.4
-62.5°	416.5	407.1	395.6	381.8	364.6	343.9	319.0	294.8	265.7	237.3	204.5
-65°	365.7	357.3	345.1	334.6	319.6	300.6	278.2	255.5	233.3	207.9	178.8
-67.5°	317.4	309.9	300.0	289.4	276.1	259.1	238.1	221.1	202.2	178.7	155.8
-70°	270.9	264.3	256.2	246.7	234.2	218.9	204.1	189.0	171.4	153.4	132.8
-72.5°	226.0	220.9	214.1	205.2	195.5	184.2	171.3	157.9	144.2	128.2	109.7
-75°	182.7	179.1	174.2	167.6	159.2	149.6	140.1	129.5	117.3	103.0	88.8
-77.5°	143.0	140.0	135.7	130.8	124.9	118.0	110.1	101.2	91.1	80.4	68.7
-80°	106.5	104.3	100.9	96.3	91.7	86.4	81.2	74.7	66.8	58.1	48.5
-82.5°	73.5	71.1	68.4	65.3	62.5	58.9	54.3	48.8	42.6	35.7	31.5
-85°	44.4	42.5	40.3	37.7	34.9	31.5	29.5	27.4	25.4	23.3	21.0
-87.5°	19.9	19.2	18.4	17.6	16.7	15.8	14.8	13.7	12.7	11.7	10.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	9.3	8.2	7.0	5.5	3.9	1.9	0.0
85°	18.5	16.4	13.9	11.0	7.7	3.9	0.0
82.5°	27.8	24.6	20.9	16.5	11.6	5.8	0.0
80°	38.1	32.8	27.8	22.0	15.4	7.7	0.0
77.5°	56.1	43.6	34.7	27.5	19.2	9.6	0.0
75°	74.0	59.1	42.7	32.9	23.0	11.5	0.0
72.5°	91.9	74.5	55.4	38.3	26.7	13.3	0.0
70°	110.1	89.7	68.0	44.5	30.3	15.2	0.0
67.5°	130.8	104.9	80.5	54.1	33.9	17.0	0.0
65°	151.5	121.4	92.9	63.6	37.5	18.8	0.0
62.5°	172.1	139.2	105.1	73.0	41.0	20.5	0.0
60°	192.5	156.8	117.1	82.2	44.4	22.2	0.0
57.5°	215.7	174.2	131.3	91.2	50.4	23.9	0.0
55°	239.0	191.4	145.3	100.1	56.3	25.5	0.0
52.5°	262.0	208.8	159.2	108.8	62.0	27.0	0.0
50°	284.7	227.8	172.7	117.2	67.6	28.5	0.0
47.5°	307.6	246.5	186.0	125.9	73.0	30.0	0.0
45°	334.1	264.7	199.0	135.6	78.2	31.4	0.0
42.5°	360.4	282.5	211.6	145.1	83.2	32.7	0.0
40°	386.5	299.7	224.6	153.9	88.0	34.0	0.0
37.5°	412.2	316.5	237.9	162.1	92.6	35.2	0.0
35°	437.5	335.5	250.6	169.8	96.9	36.4	0.0
32.5°	463.5	355.4	262.8	177.0	101.0	37.4	0.0
30°	491.2	374.6	274.5	183.6	104.9	38.4	0.0
27.5°	518.1	393.2	284.2	189.7	108.6	39.4	0.0
25°	543.9	411.0	293.1	195.3	111.9	40.2	0.0
22.5°	568.5	426.9	301.3	200.3	115.0	41.0	0.0
20°	591.9	439.0	308.9	204.7	117.9	41.7	0.0
17.5°	609.6	449.6	315.8	208.6	120.4	42.3	0.0
15°	622.7	458.7	321.9	211.9	122.6	42.9	0.0
12.5°	634.0	466.4	327.2	214.6	124.6	43.3	0.0
10°	643.3	472.6	331.8	216.8	126.2	43.7	0.0
7.5°	650.7	477.4	335.5	218.5	127.6	44.0	0.0
5°	656.0	480.7	338.4	219.6	128.6	44.2	0.0
2.5°	659.3	482.6	340.3	220.2	129.3	44.4	0.0
0°	660.6	483.1	341.4	220.2	129.7	44.4	0.0
-2.5°	659.3	482.6	340.3	220.2	129.3	44.4	0.0
-5°	656.0	480.7	338.4	219.6	128.6	44.2	0.0
-7.5°	650.7	477.4	335.5	218.5	127.6	44.0	0.0
-10°	643.3	472.6	331.8	216.8	126.2	43.7	0.0
-12.5°	634.0	466.4	327.2	214.6	124.6	43.3	0.0
-15°	622.7	458.7	321.9	211.9	122.6	42.9	0.0
-17.5°	609.6	449.6	315.8	208.6	120.4	42.3	0.0
-20°	591.9	439.0	308.9	204.7	117.9	41.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	568.5	426.9	301.3	200.3	115.0	41.0	0.0
-25°	543.9	411.0	293.1	195.3	111.9	40.2	0.0
-27.5°	518.1	393.2	284.2	189.7	108.6	39.4	0.0
-30°	491.2	374.6	274.5	183.6	104.9	38.4	0.0
-32.5°	463.5	355.4	262.8	177.0	101.0	37.4	0.0
-35°	437.5	335.5	250.6	169.8	96.9	36.4	0.0
-37.5°	412.2	316.5	237.9	162.1	92.6	35.2	0.0
-40°	386.5	299.7	224.6	153.9	88.0	34.0	0.0
-42.5°	360.4	282.5	211.6	145.1	83.2	32.7	0.0
-45°	334.1	264.7	199.0	135.6	78.2	31.4	0.0
-47.5°	307.6	246.5	186.0	125.9	73.0	30.0	0.0
-50°	284.7	227.8	172.7	117.2	67.6	28.5	0.0
-52.5°	262.0	208.8	159.2	108.8	62.0	27.0	0.0
-55°	239.0	191.4	145.3	100.1	56.3	25.5	0.0
-57.5°	215.7	174.2	131.3	91.2	50.4	23.9	0.0
-60°	192.5	156.8	117.1	82.2	44.4	22.2	0.0
-62.5°	172.1	139.2	105.1	73.0	41.0	20.5	0.0
-65°	151.5	121.4	92.9	63.6	37.5	18.8	0.0
-67.5°	130.8	104.9	80.5	54.1	33.9	17.0	0.0
-70°	110.1	89.7	68.0	44.5	30.3	15.2	0.0
-72.5°	91.9	74.5	55.4	38.3	26.7	13.3	0.0
-75°	74.0	59.1	42.7	32.9	23.0	11.5	0.0
-77.5°	56.1	43.6	34.7	27.5	19.2	9.6	0.0
-80°	38.1	32.8	27.8	22.0	15.4	7.7	0.0
-82.5°	27.8	24.6	20.9	16.5	11.6	5.8	0.0
-85°	18.5	16.4	13.9	11.0	7.7	3.9	0.0
-87.5°	9.3	8.2	7.0	5.5	3.9	1.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)