

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: P558910 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-927-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558910 (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-SA4C-927-U-NAT-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

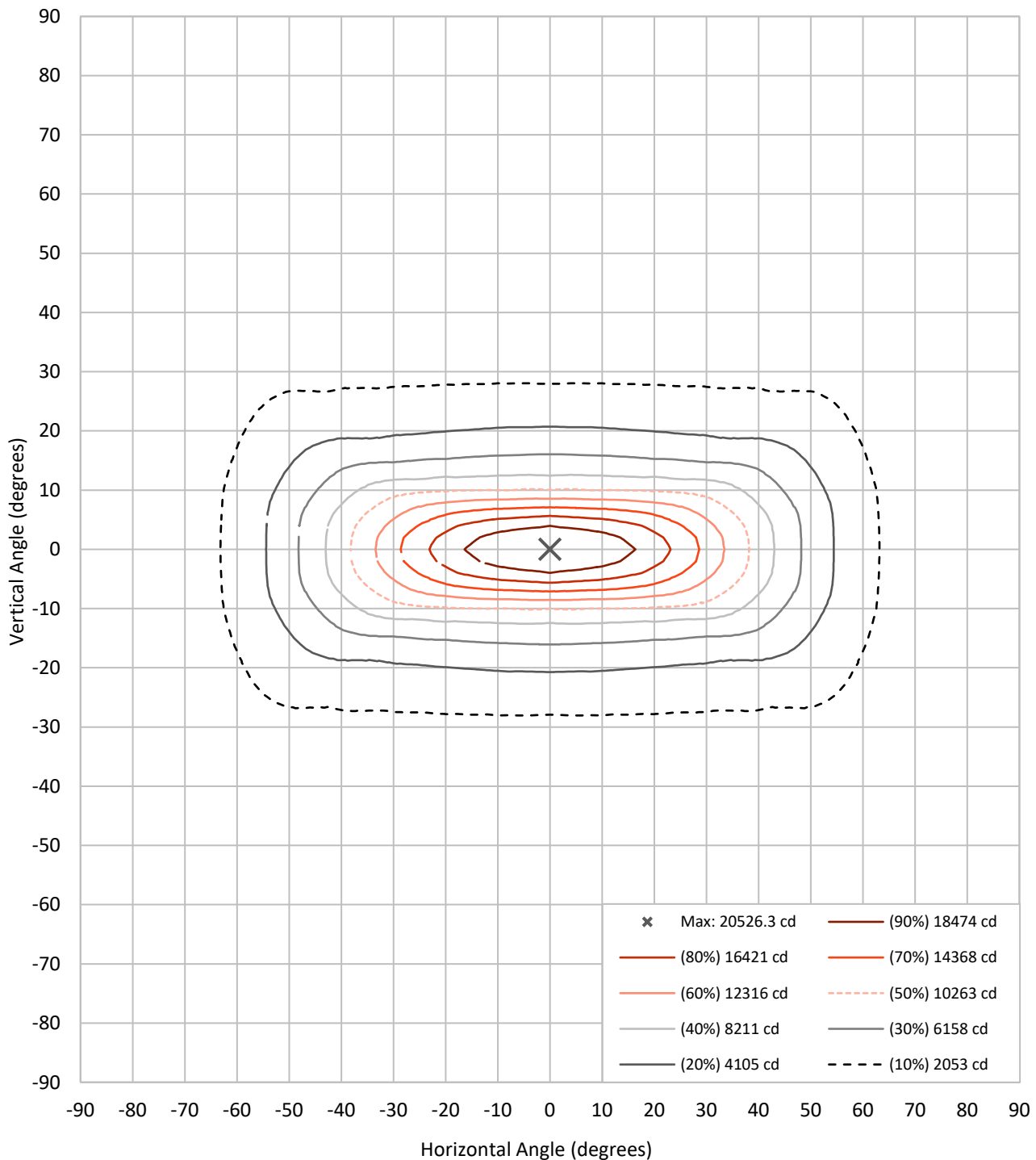
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	14700.6 lumens	Max Intensity:	20526.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	89.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	5881.6 lumens	Field Lumens:	12048.6 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 164
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





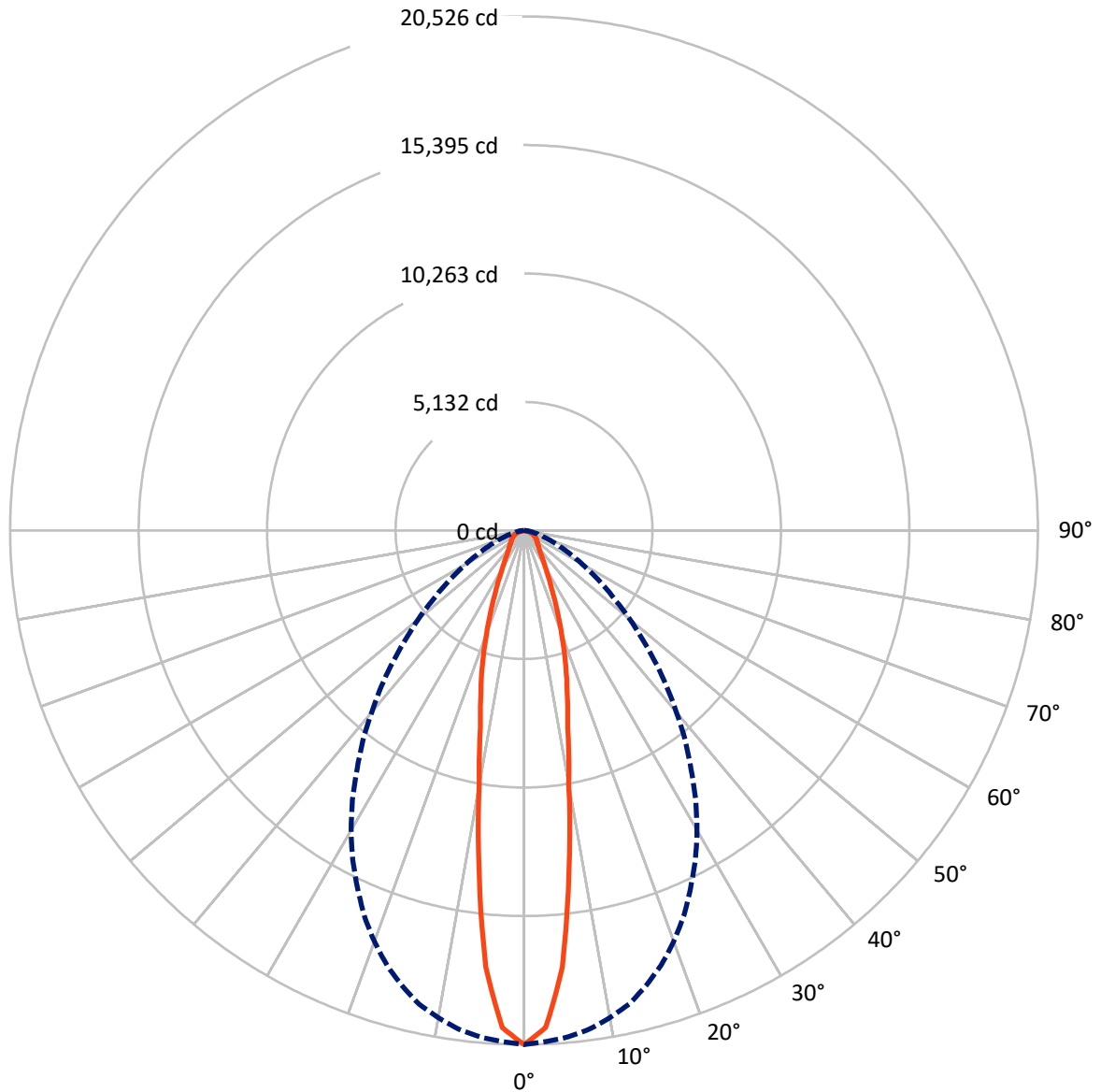
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Lumen Table

90																			
80	0.8	5.1		10.3		14.9		16.8		14.9		10.3		5.1		0.8			
70																			
60	3.2	2.9	5.2	7.0	8.7	10.4	11.9	12.8	12.8	11.9	10.4	8.7	7.0	5.2	2.9	3.2			
50		4.8	8.4	11.2	13.3	15.3	17.0	18.0	18.0	17.0	15.3	13.3	11.2	8.4	4.8				
40	6.3	7.3	12.8	16.9	19.6	21.5	23.1	24.0	24.0	23.1	21.5	19.6	16.9	12.8	7.3	6.3			
30		10.8	20.4	27.0	31.4	34.7	37.1	38.2	38.2	37.1	34.7	31.4	27.0	20.4	10.8				
20	9.7	15.2	34.8	51.8	62.6	72.6	80.9	85.6	85.6	80.9	72.6	62.6	51.8	34.8	15.2	9.7			
10		20.1	53.6	103.1	148.3	176.7	196.7	208.1	208.1	196.7	176.7	148.3	103.1	53.6	20.1				
0	11.1	23.1	68.8	151.9	262.8	372.7	453.6	496.2	496.2	453.6	372.7	262.8	151.9	68.8	23.1	11.1			
-10		23.1	68.8	151.9	262.8	372.7	453.6	496.2	496.2	453.6	372.7	262.8	151.9	68.8	23.1				
-20	9.7	20.1	53.6	103.1	148.3	176.7	196.7	208.1	208.1	196.7	176.7	148.3	103.1	53.6	20.1	9.7			
-30		15.2	34.8	51.8	62.6	72.6	80.9	85.6	85.6	80.9	72.6	62.6	51.8	34.8	15.2				
-40	6.3	10.8	20.4	27.0	31.4	34.7	37.1	38.2	38.2	37.1	34.7	31.4	27.0	20.4	10.8	6.3			
-50		7.3	12.8	16.9	19.6	21.5	23.1	24.0	24.0	23.1	21.5	19.6	16.9	12.8	7.3				
-60	3.2	4.8	8.4	11.2	13.3	15.3	17.0	18.0	18.0	17.0	15.3	13.3	11.2	8.4	4.8	3.2			
-70		2.9	5.2	7.0	8.7	10.4	11.9	12.8	12.8	11.9	10.4	8.7	7.0	5.2	2.9				
-80	0.8	5.1		10.3		14.9		16.8		14.9		10.3		5.1		0.8			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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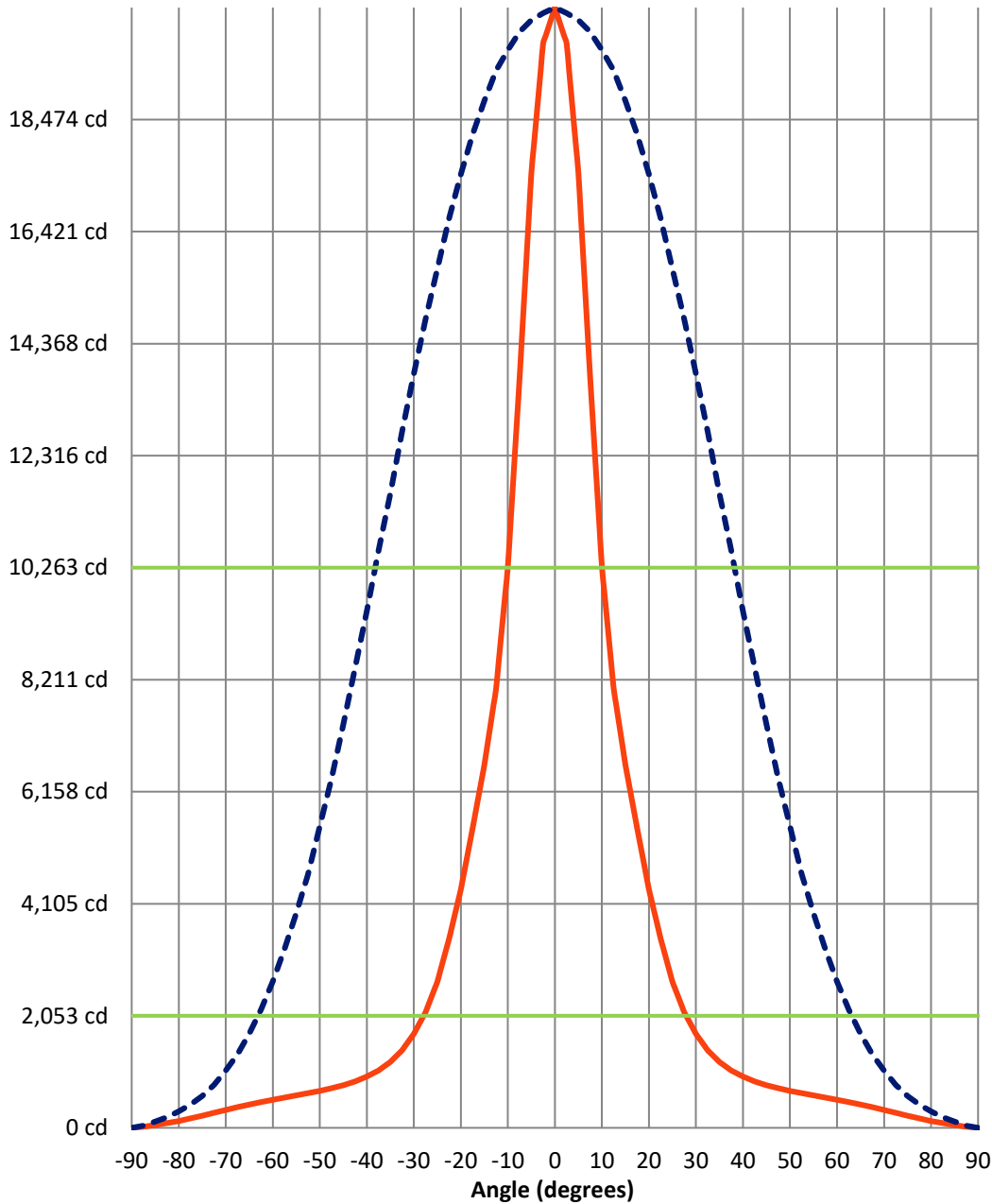
Luminous Intensity Polar Plot



— 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: 5881.6
 Efficiency: 40.0%

Field:
 H Angle: 126.3°
 V Angle: 55.8°
 Lumens: 12048.6
 Efficiency: 82.0%

Spill:
 Lumens: 2651.9
 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	1.7	3.4	4.9	6.1	7.3	8.2	9.3	10.3	11.2	12.1
85°	0.0	3.4	6.8	9.7	12.3	14.5	16.4	18.5	20.6	22.5	24.2
82.5°	0.0	5.1	10.2	14.6	18.4	21.7	24.5	27.8	31.5	37.6	43.1
80°	0.0	6.8	13.6	19.4	24.5	29.0	33.6	42.8	51.3	59.0	65.9
77.5°	0.0	8.5	16.9	24.2	30.7	38.5	49.5	60.6	71.0	80.3	89.3
75°	0.0	10.1	20.3	29.0	37.7	52.1	65.4	78.4	90.9	103.5	114.2
72.5°	0.0	11.8	23.5	33.8	48.9	65.7	81.1	96.8	113.1	127.3	139.3
70°	0.0	13.4	26.8	39.3	60.0	79.2	97.2	117.2	135.4	151.2	166.7
67.5°	0.0	15.0	30.0	47.8	71.1	92.6	115.5	137.5	157.7	178.4	195.0
65°	0.0	16.6	33.1	56.2	82.0	107.2	133.7	157.8	183.5	205.8	225.4
62.5°	0.0	18.1	36.2	64.4	92.7	122.8	151.8	180.5	209.3	234.4	260.1
60°	0.0	19.6	39.2	72.6	103.4	138.3	169.9	204.2	235.3	267.0	295.0
57.5°	0.0	21.1	44.5	80.5	115.9	153.7	190.3	227.8	264.4	299.6	332.7
55°	0.0	22.5	49.7	88.4	128.3	168.9	210.9	251.4	294.2	333.5	372.5
52.5°	0.0	23.9	54.7	96.0	140.5	184.2	231.2	277.9	323.9	371.8	413.4
50°	0.0	25.2	59.6	103.5	152.4	201.0	251.1	304.8	355.3	410.7	462.0
47.5°	0.0	26.5	64.4	111.1	164.2	217.4	271.3	331.8	391.2	450.3	513.2
45°	0.0	27.7	69.0	119.7	175.6	233.5	294.8	359.0	427.9	498.6	566.2
42.5°	0.0	28.9	73.4	128.1	186.7	249.2	318.0	389.0	464.6	548.1	626.6
40°	0.0	30.0	77.7	135.9	198.2	264.4	341.0	420.8	503.8	598.6	690.1
37.5°	0.0	31.1	81.7	143.1	209.9	279.2	363.7	452.2	548.3	651.4	755.7
35°	0.0	32.1	85.6	149.9	221.1	296.0	386.1	483.1	592.6	709.9	826.7
32.5°	0.0	33.1	89.2	156.2	231.9	313.5	409.0	513.5	636.6	769.2	904.9
30°	0.0	33.9	92.6	162.1	242.2	330.6	433.5	544.8	680.1	829.0	984.9
27.5°	0.0	34.8	95.8	167.4	250.7	346.9	457.1	580.2	725.6	889.1	1066.2
25°	0.0	35.5	98.8	172.3	258.6	362.6	479.9	614.6	774.7	954.4	1148.9
22.5°	0.0	36.2	101.5	176.7	265.9	376.7	501.6	647.8	822.9	1022.0	1239.2
20°	0.0	36.8	104.0	180.6	272.5	387.3	522.3	679.7	869.8	1088.6	1328.7
17.5°	0.0	37.4	106.3	184.0	278.6	396.7	537.9	709.9	915.1	1153.7	1416.8
15°	0.0	37.9	108.3	187.0	284.0	404.8	549.5	733.8	958.5	1216.8	1502.6
12.5°	0.0	38.3	110.0	189.4	288.7	411.6	559.4	749.3	989.6	1277.3	1585.5
10°	0.0	38.6	111.4	191.3	292.7	417.1	567.6	762.1	1009.5	1305.8	1650.1
7.5°	0.0	38.9	112.6	192.8	296.0	421.3	574.1	772.3	1025.6	1324.5	1679.3
5°	0.0	39.1	113.5	193.8	298.5	424.2	578.9	779.7	1037.7	1337.5	1702.0
2.5°	0.0	39.2	114.2	194.3	300.3	425.9	581.8	784.3	1045.8	1344.7	1717.7
0°	0.0	39.2	114.5	194.3	301.2	426.3	582.9	786.2	1049.8	1346.5	1726.1
-2.5°	0.0	39.2	114.2	194.3	300.3	425.9	581.8	784.3	1045.8	1344.7	1717.7
-5°	0.0	39.1	113.5	193.8	298.5	424.2	578.9	779.7	1037.7	1337.5	1702.0
-7.5°	0.0	38.9	112.6	192.8	296.0	421.3	574.1	772.3	1025.6	1324.5	1679.3
-10°	0.0	38.6	111.4	191.3	292.7	417.1	567.6	762.1	1009.5	1305.8	1650.1
-12.5°	0.0	38.3	110.0	189.4	288.7	411.6	559.4	749.3	989.6	1277.3	1585.5
-15°	0.0	37.9	108.3	187.0	284.0	404.8	549.5	733.8	958.5	1216.8	1502.6
-17.5°	0.0	37.4	106.3	184.0	278.6	396.7	537.9	709.9	915.1	1153.7	1416.8
-20°	0.0	36.8	104.0	180.6	272.5	387.3	522.3	679.7	869.8	1088.6	1328.7



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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	36.2	101.5	176.7	265.9	376.7	501.6	647.8	822.9	1022.0	1239.2
-25°	0.0	35.5	98.8	172.3	258.6	362.6	479.9	614.6	774.7	954.4	1148.9
-27.5°	0.0	34.8	95.8	167.4	250.7	346.9	457.1	580.2	725.6	889.1	1066.2
-30°	0.0	33.9	92.6	162.1	242.2	330.6	433.5	544.8	680.1	829.0	984.9
-32.5°	0.0	33.1	89.2	156.2	231.9	313.5	409.0	513.5	636.6	769.2	904.9
-35°	0.0	32.1	85.6	149.9	221.1	296.0	386.1	483.1	592.6	709.9	826.7
-37.5°	0.0	31.1	81.7	143.1	209.9	279.2	363.7	452.2	548.3	651.4	755.7
-40°	0.0	30.0	77.7	135.9	198.2	264.4	341.0	420.8	503.8	598.6	690.1
-42.5°	0.0	28.9	73.4	128.1	186.7	249.2	318.0	389.0	464.6	548.1	626.6
-45°	0.0	27.7	69.0	119.7	175.6	233.5	294.8	359.0	427.9	498.6	566.2
-47.5°	0.0	26.5	64.4	111.1	164.2	217.4	271.3	331.8	391.2	450.3	513.2
-50°	0.0	25.2	59.6	103.5	152.4	201.0	251.1	304.8	355.3	410.7	462.0
-52.5°	0.0	23.9	54.7	96.0	140.5	184.2	231.2	277.9	323.9	371.8	413.4
-55°	0.0	22.5	49.7	88.4	128.3	168.9	210.9	251.4	294.2	333.5	372.5
-57.5°	0.0	21.1	44.5	80.5	115.9	153.7	190.3	227.8	264.4	299.6	332.7
-60°	0.0	19.6	39.2	72.6	103.4	138.3	169.9	204.2	235.3	267.0	295.0
-62.5°	0.0	18.1	36.2	64.4	92.7	122.8	151.8	180.5	209.3	234.4	260.1
-65°	0.0	16.6	33.1	56.2	82.0	107.2	133.7	157.8	183.5	205.8	225.4
-67.5°	0.0	15.0	30.0	47.8	71.1	92.6	115.5	137.5	157.7	178.4	195.0
-70°	0.0	13.4	26.8	39.3	60.0	79.2	97.2	117.2	135.4	151.2	166.7
-72.5°	0.0	11.8	23.5	33.8	48.9	65.7	81.1	96.8	113.1	127.3	139.3
-75°	0.0	10.1	20.3	29.0	37.7	52.1	65.4	78.4	90.9	103.5	114.2
-77.5°	0.0	8.5	16.9	24.2	30.7	38.5	49.5	60.6	71.0	80.3	89.3
-80°	0.0	6.8	13.6	19.4	24.5	29.0	33.6	42.8	51.3	59.0	65.9
-82.5°	0.0	5.1	10.2	14.6	18.4	21.7	24.5	27.8	31.5	37.6	43.1
-85°	0.0	3.4	6.8	9.7	12.3	14.5	16.4	18.5	20.6	22.5	24.2
-87.5°	0.0	1.7	3.4	4.9	6.1	7.3	8.2	9.3	10.3	11.2	12.1
-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):

	-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°	13.0	13.9	14.8	15.5	16.3	16.9	17.5	18.1	18.9	19.6	20.3
85°	26.1	27.8	30.8	33.3	35.6	37.5	39.2	40.6	42.1	43.2	44.2
82.5°	47.9	52.0	55.2	57.6	60.4	62.8	64.9	66.6	68.5	70.3	71.7
80°	71.6	76.2	80.9	85.0	89.1	92.1	93.9	94.7	97.1	100.2	103.3
77.5°	97.1	104.1	110.2	115.4	119.7	123.5	126.2	127.8	131.6	136.0	139.8
75°	123.6	132.0	140.4	147.8	153.7	158.0	161.2	163.8	168.3	174.1	179.0
72.5°	151.1	162.4	172.4	181.0	188.9	194.9	199.4	202.3	206.9	213.7	219.1
70°	180.1	193.1	206.6	217.7	226.1	233.2	239.0	243.1	247.3	254.1	259.2
67.5°	210.0	228.6	243.7	255.4	264.8	273.4	280.1	284.4	286.3	293.2	298.9
65°	245.4	265.3	282.0	295.2	304.6	315.3	322.7	326.3	327.5	335.1	342.2
62.5°	281.5	303.4	321.8	336.9	349.0	359.2	367.5	372.2	373.0	378.5	386.7
60°	319.9	342.4	364.2	382.4	395.4	405.9	414.9	419.9	420.9	423.1	432.4
57.5°	360.0	384.2	409.7	430.2	445.3	454.0	463.9	469.3	471.5	470.1	479.7
55°	403.5	428.8	457.5	481.4	497.6	505.5	514.7	522.5	525.2	523.4	529.1
52.5°	452.9	478.1	508.7	534.9	553.0	562.5	568.9	578.4	582.7	580.8	579.6
50°	504.8	536.4	561.8	591.8	613.6	626.0	626.1	637.9	643.5	641.8	634.0
47.5°	563.6	599.2	618.4	652.7	681.1	695.7	696.7	701.4	708.3	710.2	703.5
45°	627.0	670.6	691.2	721.8	753.6	771.5	776.9	768.5	781.0	784.9	780.7
42.5°	693.9	749.4	782.0	794.4	831.3	856.2	865.9	860.0	859.3	868.0	867.9
40°	771.1	834.9	883.8	896.7	915.3	949.7	970.1	969.0	946.2	962.4	966.7
37.5°	853.6	936.5	996.9	1023.8	1009.7	1055.5	1085.3	1097.4	1083.2	1067.2	1085.4
35°	940.5	1045.2	1126.7	1172.5	1174.5	1173.5	1220.1	1245.2	1246.9	1217.7	1224.3
32.5°	1037.7	1160.6	1268.5	1342.6	1376.3	1355.5	1367.7	1420.3	1446.0	1434.9	1392.8
30°	1142.1	1292.9	1425.2	1529.8	1605.0	1627.2	1577.0	1618.1	1675.2	1698.0	1679.7
27.5°	1247.6	1433.3	1601.1	1746.0	1862.6	1936.4	1938.2	1874.8	1939.6	1994.5	2015.7
25°	1354.9	1573.8	1787.5	1984.0	2160.3	2287.3	2345.8	2352.6	2262.1	2344.4	2421.0
22.5°	1469.2	1718.3	1972.0	2237.5	2483.2	2669.6	2811.3	2896.6	2893.9	2807.5	2874.9
20°	1590.1	1875.6	2171.0	2485.9	2821.1	3077.3	3314.7	3496.2	3605.6	3641.9	3571.1
17.5°	1710.8	2034.3	2380.0	2755.0	3142.8	3498.1	3853.8	4143.5	4373.0	4561.4	4628.9
15°	1830.1	2192.6	2589.8	3026.0	3474.1	3918.7	4376.1	4819.7	5210.4	5555.1	5759.6
12.5°	1946.5	2348.8	2797.9	3295.7	3810.0	4345.2	4890.9	5431.4	5994.1	6552.6	6977.0
10°	2058.8	2500.9	3001.7	3560.7	4145.5	4771.5	5404.9	6046.3	6729.8	7388.5	8022.6
7.5°	2106.9	2600.3	3177.3	3817.4	4475.4	5191.2	5911.0	6655.7	7454.3	8222.9	8997.2
5°	2136.5	2639.7	3226.6	3893.5	4625.6	5465.1	6324.0	7246.4	8157.7	9042.6	9955.0
2.5°	2156.2	2666.7	3259.6	3923.6	4647.9	5510.1	6379.8	7337.6	8360.1	9383.2	10469.4
0°	2165.9	2681.0	3276.0	3932.7	4645.1	5524.7	6401.3	7389.4	8425.6	9466.4	10578.0
-2.5°	2156.2	2666.7	3259.6	3923.6	4647.9	5510.1	6379.8	7337.6	8360.1	9383.2	10469.4
-5°	2136.5	2639.7	3226.6	3893.5	4625.6	5465.1	6324.0	7246.4	8157.7	9042.6	9955.0
-7.5°	2106.9	2600.3	3177.3	3817.4	4475.4	5191.2	5911.0	6655.7	7454.3	8222.9	8997.2
-10°	2058.8	2500.9	3001.7	3560.7	4145.5	4771.5	5404.9	6046.3	6729.8	7388.5	8022.6
-12.5°	1946.5	2348.8	2797.9	3295.7	3810.0	4345.2	4890.9	5431.4	5994.1	6552.6	6977.0
-15°	1830.1	2192.6	2589.8	3026.0	3474.1	3918.7	4376.1	4819.7	5210.4	5555.1	5759.6
-17.5°	1710.8	2034.3	2380.0	2755.0	3142.8	3498.1	3853.8	4143.5	4373.0	4561.4	4628.9
-20°	1590.1	1875.6	2171.0	2485.9	2821.1	3077.3	3314.7	3496.2	3605.6	3641.9	3571.1



REPORT NUMBER: P558910 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-927-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°	1469.2	1718.3	1972.0	2237.5	2483.2	2669.6	2811.3	2896.6	2893.9	2807.5	2874.9
-25°	1354.9	1573.8	1787.5	1984.0	2160.3	2287.3	2345.8	2352.6	2262.1	2344.4	2421.0
-27.5°	1247.6	1433.3	1601.1	1746.0	1862.6	1936.4	1938.2	1874.8	1939.6	1994.5	2015.7
-30°	1142.1	1292.9	1425.2	1529.8	1605.0	1627.2	1577.0	1618.1	1675.2	1698.0	1679.7
-32.5°	1037.7	1160.6	1268.5	1342.6	1376.3	1355.5	1367.7	1420.3	1446.0	1434.9	1392.8
-35°	940.5	1045.2	1126.7	1172.5	1174.5	1173.5	1220.1	1245.2	1246.9	1217.7	1224.3
-37.5°	853.6	936.5	996.9	1023.8	1009.7	1055.5	1085.3	1097.4	1083.2	1067.2	1085.4
-40°	771.1	834.9	883.8	896.7	915.3	949.7	970.1	969.0	946.2	962.4	966.7
-42.5°	693.9	749.4	782.0	794.4	831.3	856.2	865.9	860.0	859.3	868.0	867.9
-45°	627.0	670.6	691.2	721.8	753.6	771.5	776.9	768.5	781.0	784.9	780.7
-47.5°	563.6	599.2	618.4	652.7	681.1	695.7	696.7	701.4	708.3	710.2	703.5
-50°	504.8	536.4	561.8	591.8	613.6	626.0	626.1	637.9	643.5	641.8	634.0
-52.5°	452.9	478.1	508.7	534.9	553.0	562.5	568.9	578.4	582.7	580.8	579.6
-55°	403.5	428.8	457.5	481.4	497.6	505.5	514.7	522.5	525.2	523.4	529.1
-57.5°	360.0	384.2	409.7	430.2	445.3	454.0	463.9	469.3	471.5	470.1	479.7
-60°	319.9	342.4	364.2	382.4	395.4	405.9	414.9	419.9	420.9	423.1	432.4
-62.5°	281.5	303.4	321.8	336.9	349.0	359.2	367.5	372.2	373.0	378.5	386.7
-65°	245.4	265.3	282.0	295.2	304.6	315.3	322.7	326.3	327.5	335.1	342.2
-67.5°	210.0	228.6	243.7	255.4	264.8	273.4	280.1	284.4	286.3	293.2	298.9
-70°	180.1	193.1	206.6	217.7	226.1	233.2	239.0	243.1	247.3	254.1	259.2
-72.5°	151.1	162.4	172.4	181.0	188.9	194.9	199.4	202.3	206.9	213.7	219.1
-75°	123.6	132.0	140.4	147.8	153.7	158.0	161.2	163.8	168.3	174.1	179.0
-77.5°	97.1	104.1	110.2	115.4	119.7	123.5	126.2	127.8	131.6	136.0	139.8
-80°	71.6	76.2	80.9	85.0	89.1	92.1	93.9	94.7	97.1	100.2	103.3
-82.5°	47.9	52.0	55.2	57.6	60.4	62.8	64.9	66.6	68.5	70.3	71.7
-85°	26.1	27.8	30.8	33.3	35.6	37.5	39.2	40.6	42.1	43.2	44.2
-87.5°	13.0	13.9	14.8	15.5	16.3	16.9	17.5	18.1	18.9	19.6	20.3
-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: P558910 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-927-U-NAT-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°	21.0	20.6	20.2	19.7	19.1	19.1	19.1	19.1	18.9	18.8	18.6
85°	44.8	45.7	46.5	47.3	48.0	48.8	49.5	50.0	50.4	50.4	50.2
82.5°	73.0	75.4	77.9	80.2	82.3	83.5	84.4	84.9	85.2	85.9	86.5
80°	106.0	109.6	112.9	115.6	117.8	119.5	120.9	121.9	122.7	123.6	124.2
77.5°	143.4	147.4	151.2	154.5	157.4	160.1	162.4	164.2	165.6	167.7	169.6
75°	183.2	187.7	192.4	196.6	200.3	204.3	208.2	211.8	215.0	217.7	219.7
72.5°	223.4	228.1	233.9	239.3	244.3	249.6	254.9	259.5	263.5	267.2	270.6
70°	263.1	267.5	275.0	282.2	288.9	295.3	301.6	307.3	312.3	317.2	321.6
67.5°	304.0	308.7	318.0	326.3	333.8	340.8	348.2	354.7	360.5	365.6	370.1
65°	347.7	351.9	361.9	371.0	378.9	385.5	393.5	400.7	407.1	412.7	417.5
62.5°	393.0	397.1	405.4	414.4	421.9	428.3	437.6	445.7	452.6	458.3	463.1
60°	438.9	442.4	448.8	458.7	467.1	474.1	482.3	490.2	496.8	502.5	507.5
57.5°	486.5	490.1	493.2	503.1	511.3	517.5	524.7	532.5	538.9	544.3	549.5
55°	535.8	538.5	537.6	546.8	554.4	559.5	564.9	573.0	579.5	584.2	589.0
52.5°	586.1	589.4	587.1	591.0	599.3	604.0	606.3	615.1	621.7	625.9	630.2
50°	642.1	644.8	642.8	640.6	648.6	653.4	654.7	661.8	667.8	671.0	674.1
47.5°	702.9	706.2	704.6	695.8	702.9	709.0	709.2	712.2	718.4	720.9	722.7
45°	769.1	775.4	774.0	767.9	766.9	773.1	772.5	770.1	777.2	780.4	781.4
42.5°	855.9	853.8	855.7	852.2	841.2	848.3	849.2	840.3	849.2	853.1	850.8
40°	962.0	942.6	953.3	951.7	941.5	940.0	945.5	938.2	939.6	945.1	940.8
37.5°	1088.3	1074.5	1068.7	1073.5	1070.5	1057.4	1067.8	1065.3	1057.0	1066.3	1062.2
35°	1243.8	1239.7	1208.5	1227.5	1231.4	1219.0	1222.6	1228.0	1210.1	1224.2	1222.7
32.5°	1425.7	1434.9	1428.2	1416.5	1434.2	1436.4	1415.9	1440.6	1430.7	1434.2	1443.9
30°	1631.6	1678.8	1701.9	1681.3	1692.3	1714.3	1704.3	1721.4	1729.6	1716.8	1741.0
27.5°	1991.4	1974.6	2029.7	2053.7	2028.0	2068.1	2097.3	2084.4	2127.0	2101.7	2137.8
25°	2448.6	2424.0	2438.7	2517.9	2535.5	2515.1	2597.3	2606.9	2640.7	2644.9	2670.0
22.5°	2985.7	3045.2	3038.3	3062.4	3161.9	3195.2	3225.5	3304.5	3286.5	3358.1	3370.5
20°	3586.4	3735.8	3838.8	3860.4	3902.9	4017.4	4069.9	4132.2	4174.0	4241.8	4299.1
17.5°	4602.4	4525.8	4727.8	4854.6	4921.3	4945.1	5083.0	5127.9	5231.5	5290.6	5349.3
15°	5906.9	5951.6	5860.4	5981.3	6185.6	6254.6	6175.3	6360.4	6412.5	6512.1	6529.8
12.5°	7301.3	7527.0	7637.7	7667.7	7561.0	7851.5	7967.9	7821.8	7987.6	7957.7	8094.0
10°	8631.7	9180.1	9508.4	9739.4	9879.8	9964.3	10048.3	10199.3	10201.9	10313.8	10248.5
7.5°	9724.0	10419.3	11083.6	11728.0	12243.4	12532.4	12759.3	12976.9	13267.3	13406.3	13496.7
5°	10792.6	11594.9	12389.7	13170.8	13878.1	14558.7	15225.7	15804.3	16110.8	16469.1	16788.6
2.5°	11483.8	12498.6	13513.6	14519.0	15336.3	16086.4	16780.5	17425.3	17990.9	18514.1	18955.9
0°	11618.7	12754.4	13813.3	14816.4	15736.7	16663.0	17471.8	18200.8	18816.8	19372.6	19747.6
-2.5°	11483.8	12498.6	13513.6	14519.0	15336.3	16086.4	16780.5	17425.3	17990.9	18514.1	18955.9
-5°	10792.6	11594.9	12389.7	13170.8	13878.1	14558.7	15225.7	15804.3	16110.8	16469.1	16788.6
-7.5°	9724.0	10419.3	11083.6	11728.0	12243.4	12532.4	12759.3	12976.9	13267.3	13406.3	13496.7
-10°	8631.7	9180.1	9508.4	9739.4	9879.8	9964.3	10048.3	10199.3	10201.9	10313.8	10248.5
-12.5°	7301.3	7527.0	7637.7	7667.7	7561.0	7851.5	7967.9	7821.8	7987.6	7957.7	8094.0
-15°	5906.9	5951.6	5860.4	5981.3	6185.6	6254.6	6175.3	6360.4	6412.5	6512.1	6529.8
-17.5°	4602.4	4525.8	4727.8	4854.6	4921.3	4945.1	5083.0	5127.9	5231.5	5290.6	5349.3
-20°	3586.4	3735.8	3838.8	3860.4	3902.9	4017.4	4069.9	4132.2	4174.0	4241.8	4299.1



REPORT NUMBER: P558910 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-927-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2985.7	3045.2	3038.3	3062.4	3161.9	3195.2	3225.5	3304.5	3286.5	3358.1	3370.5
-25°	2448.6	2424.0	2438.7	2517.9	2535.5	2515.1	2597.3	2606.9	2640.7	2644.9	2670.0
-27.5°	1991.4	1974.6	2029.7	2053.7	2028.0	2068.1	2097.3	2084.4	2127.0	2101.7	2137.8
-30°	1631.6	1678.8	1701.9	1681.3	1692.3	1714.3	1704.3	1721.4	1729.6	1716.8	1741.0
-32.5°	1425.7	1434.9	1428.2	1416.5	1434.2	1436.4	1415.9	1440.6	1430.7	1434.2	1443.9
-35°	1243.8	1239.7	1208.5	1227.5	1231.4	1219.0	1222.6	1228.0	1210.1	1224.2	1222.7
-37.5°	1088.3	1074.5	1068.7	1073.5	1070.5	1057.4	1067.8	1065.3	1057.0	1066.3	1062.2
-40°	962.0	942.6	953.3	951.7	941.5	940.0	945.5	938.2	939.6	945.1	940.8
-42.5°	855.9	853.8	855.7	852.2	841.2	848.3	849.2	840.3	849.2	853.1	850.8
-45°	769.1	775.4	774.0	767.9	766.9	773.1	772.5	770.1	777.2	780.4	781.4
-47.5°	702.9	706.2	704.6	695.8	702.9	709.0	709.2	712.2	718.4	720.9	722.7
-50°	642.1	644.8	642.8	640.6	648.6	653.4	654.7	661.8	667.8	671.0	674.1
-52.5°	586.1	589.4	587.1	591.0	599.3	604.0	606.3	615.1	621.7	625.9	630.2
-55°	535.8	538.5	537.6	546.8	554.4	559.5	564.9	573.0	579.5	584.2	589.0
-57.5°	486.5	490.1	493.2	503.1	511.3	517.5	524.7	532.5	538.9	544.3	549.5
-60°	438.9	442.4	448.8	458.7	467.1	474.1	482.3	490.2	496.8	502.5	507.5
-62.5°	393.0	397.1	405.4	414.4	421.9	428.3	437.6	445.7	452.6	458.3	463.1
-65°	347.7	351.9	361.9	371.0	378.9	385.5	393.5	400.7	407.1	412.7	417.5
-67.5°	304.0	308.7	318.0	326.3	333.8	340.8	348.2	354.7	360.5	365.6	370.1
-70°	263.1	267.5	275.0	282.2	288.9	295.3	301.6	307.3	312.3	317.2	321.6
-72.5°	223.4	228.1	233.9	239.3	244.3	249.6	254.9	259.5	263.5	267.2	270.6
-75°	183.2	187.7	192.4	196.6	200.3	204.3	208.2	211.8	215.0	217.7	219.7
-77.5°	143.4	147.4	151.2	154.5	157.4	160.1	162.4	164.2	165.6	167.7	169.6
-80°	106.0	109.6	112.9	115.6	117.8	119.5	120.9	121.9	122.7	123.6	124.2
-82.5°	73.0	75.4	77.9	80.2	82.3	83.5	84.4	84.9	85.2	85.9	86.5
-85°	44.8	45.7	46.5	47.3	48.0	48.8	49.5	50.0	50.4	50.4	50.2
-87.5°	21.0	20.6	20.2	19.7	19.1	19.1	19.1	19.1	18.9	18.8	18.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558910 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-927-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°	18.3	18.0	18.8	19.6	18.8	18.0	18.3	18.6	18.8	18.9	19.1
85°	49.9	49.5	50.4	51.2	50.4	49.5	49.9	50.2	50.4	50.4	50.0
82.5°	86.8	87.0	87.3	87.4	87.3	87.0	86.8	86.5	85.9	85.2	84.9
80°	124.5	124.4	124.1	123.5	124.1	124.4	124.5	124.2	123.6	122.7	121.9
77.5°	171.1	172.3	173.0	173.2	173.0	172.3	171.1	169.6	167.7	165.6	164.2
75°	221.1	221.8	221.9	221.4	221.9	221.8	221.1	219.7	217.7	215.0	211.8
72.5°	273.4	275.6	276.0	275.6	276.0	275.6	273.4	270.6	267.2	263.5	259.5
70°	325.2	328.1	328.0	326.8	328.0	328.1	325.2	321.6	317.2	312.3	307.3
67.5°	373.7	376.3	378.3	379.6	378.3	376.3	373.7	370.1	365.6	360.5	354.7
65°	421.4	424.3	425.8	426.3	425.8	424.3	421.4	417.5	412.7	407.1	400.7
62.5°	466.7	469.3	470.9	471.4	470.9	469.3	466.7	463.1	458.3	452.6	445.7
60°	511.5	514.3	514.8	513.6	514.8	514.3	511.5	507.5	502.5	496.8	490.2
57.5°	553.5	556.5	556.4	554.3	556.4	556.5	553.5	549.5	544.3	538.9	532.5
55°	592.4	594.5	595.3	594.9	595.3	594.5	592.4	589.0	584.2	579.5	573.0
52.5°	633.5	635.1	635.9	635.6	635.9	635.1	633.5	630.2	625.9	621.7	615.1
50°	676.4	676.6	676.5	676.3	676.5	676.6	676.4	674.1	671.0	667.8	661.8
47.5°	725.4	725.9	726.0	726.0	726.0	725.9	725.4	722.7	720.9	718.4	712.2
45°	783.3	781.7	780.1	780.2	780.1	781.7	783.3	781.4	780.4	777.2	770.1
42.5°	852.9	851.1	849.0	849.5	849.0	851.1	852.9	850.8	853.1	849.2	840.3
40°	944.5	944.1	941.0	939.9	941.0	944.1	944.5	940.8	945.1	939.6	938.2
37.5°	1062.9	1061.2	1054.3	1051.3	1054.3	1061.2	1062.9	1062.2	1066.3	1057.0	1065.3
35°	1218.5	1216.2	1205.7	1206.5	1205.7	1216.2	1218.5	1222.7	1224.2	1210.1	1228.0
32.5°	1439.1	1439.9	1424.0	1420.3	1424.0	1439.9	1439.1	1443.9	1434.2	1430.7	1440.6
30°	1725.9	1732.2	1713.6	1721.6	1713.6	1732.2	1725.9	1741.0	1716.8	1729.6	1721.4
27.5°	2137.1	2149.1	2132.6	2119.2	2132.6	2149.1	2137.1	2137.8	2101.7	2127.0	2084.4
25°	2703.0	2711.9	2693.0	2676.5	2693.0	2711.9	2703.0	2670.0	2644.9	2640.7	2606.9
22.5°	3439.6	3439.0	3438.1	3464.2	3438.1	3439.0	3439.6	3370.5	3358.1	3286.5	3304.5
20°	4336.1	4314.4	4346.9	4367.9	4346.9	4314.4	4336.1	4299.1	4241.8	4174.0	4132.2
17.5°	5363.0	5403.7	5434.9	5487.0	5434.9	5403.7	5363.0	5349.3	5290.6	5231.5	5127.9
15°	6573.9	6635.3	6666.6	6649.8	6666.6	6635.3	6573.9	6529.8	6512.1	6412.5	6360.4
12.5°	8098.8	8172.1	8118.0	8050.6	8118.0	8172.1	8098.8	8094.0	7957.7	7987.6	7821.8
10°	10249.5	10407.4	10416.2	10284.3	10416.2	10407.4	10249.5	10248.5	10313.8	10201.9	10199.3
7.5°	13549.3	13626.0	13742.6	13748.5	13742.6	13626.0	13549.3	13496.7	13406.3	13267.3	12976.9
5°	16933.4	17137.8	17269.6	17497.4	17269.6	17137.8	16933.4	16788.6	16469.1	16110.8	15804.3
2.5°	19241.3	19505.5	19607.0	19865.1	19607.0	19505.5	19241.3	18955.9	18514.1	17990.9	17425.3
0°	20082.0	20295.9	20423.9	20526.3	20423.9	20295.9	20082.0	19747.6	19372.6	18816.8	18200.8
-2.5°	19241.3	19505.5	19607.0	19865.1	19607.0	19505.5	19241.3	18955.9	18514.1	17990.9	17425.3
-5°	16933.4	17137.8	17269.6	17497.4	17269.6	17137.8	16933.4	16788.6	16469.1	16110.8	15804.3
-7.5°	13549.3	13626.0	13742.6	13748.5	13742.6	13626.0	13549.3	13496.7	13406.3	13267.3	12976.9
-10°	10249.5	10407.4	10416.2	10284.3	10416.2	10407.4	10249.5	10248.5	10313.8	10201.9	10199.3
-12.5°	8098.8	8172.1	8118.0	8050.6	8118.0	8172.1	8098.8	8094.0	7957.7	7987.6	7821.8
-15°	6573.9	6635.3	6666.6	6649.8	6666.6	6635.3	6573.9	6529.8	6512.1	6412.5	6360.4
-17.5°	5363.0	5403.7	5434.9	5487.0	5434.9	5403.7	5363.0	5349.3	5290.6	5231.5	5127.9
-20°	4336.1	4314.4	4346.9	4367.9	4346.9	4314.4	4336.1	4299.1	4241.8	4174.0	4132.2



REPORT NUMBER: P558910 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-927-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3439.6	3439.0	3438.1	3464.2	3438.1	3439.0	3439.6	3370.5	3358.1	3286.5	3304.5
-25°	2703.0	2711.9	2693.0	2676.5	2693.0	2711.9	2703.0	2670.0	2644.9	2640.7	2606.9
-27.5°	2137.1	2149.1	2132.6	2119.2	2132.6	2149.1	2137.1	2137.8	2101.7	2127.0	2084.4
-30°	1725.9	1732.2	1713.6	1721.6	1713.6	1732.2	1725.9	1741.0	1716.8	1729.6	1721.4
-32.5°	1439.1	1439.9	1424.0	1420.3	1424.0	1439.9	1439.1	1443.9	1434.2	1430.7	1440.6
-35°	1218.5	1216.2	1205.7	1206.5	1205.7	1216.2	1218.5	1222.7	1224.2	1210.1	1228.0
-37.5°	1062.9	1061.2	1054.3	1051.3	1054.3	1061.2	1062.9	1062.2	1066.3	1057.0	1065.3
-40°	944.5	944.1	941.0	939.9	941.0	944.1	944.5	940.8	945.1	939.6	938.2
-42.5°	852.9	851.1	849.0	849.5	849.0	851.1	852.9	850.8	853.1	849.2	840.3
-45°	783.3	781.7	780.1	780.2	780.1	781.7	783.3	781.4	780.4	777.2	770.1
-47.5°	725.4	725.9	726.0	726.0	726.0	725.9	725.4	722.7	720.9	718.4	712.2
-50°	676.4	676.6	676.5	676.3	676.5	676.6	676.4	674.1	671.0	667.8	661.8
-52.5°	633.5	635.1	635.9	635.6	635.9	635.1	633.5	630.2	625.9	621.7	615.1
-55°	592.4	594.5	595.3	594.9	595.3	594.5	592.4	589.0	584.2	579.5	573.0
-57.5°	553.5	556.5	556.4	554.3	556.4	556.5	553.5	549.5	544.3	538.9	532.5
-60°	511.5	514.3	514.8	513.6	514.8	514.3	511.5	507.5	502.5	496.8	490.2
-62.5°	466.7	469.3	470.9	471.4	470.9	469.3	466.7	463.1	458.3	452.6	445.7
-65°	421.4	424.3	425.8	426.3	425.8	424.3	421.4	417.5	412.7	407.1	400.7
-67.5°	373.7	376.3	378.3	379.6	378.3	376.3	373.7	370.1	365.6	360.5	354.7
-70°	325.2	328.1	328.0	326.8	328.0	328.1	325.2	321.6	317.2	312.3	307.3
-72.5°	273.4	275.6	276.0	275.6	276.0	275.6	273.4	270.6	267.2	263.5	259.5
-75°	221.1	221.8	221.9	221.4	221.9	221.8	221.1	219.7	217.7	215.0	211.8
-77.5°	171.1	172.3	173.0	173.2	173.0	172.3	171.1	169.6	167.7	165.6	164.2
-80°	124.5	124.4	124.1	123.5	124.1	124.4	124.5	124.2	123.6	122.7	121.9
-82.5°	86.8	87.0	87.3	87.4	87.3	87.0	86.8	86.5	85.9	85.2	84.9
-85°	49.9	49.5	50.4	51.2	50.4	49.5	49.9	50.2	50.4	50.4	50.0
-87.5°	18.3	18.0	18.8	19.6	18.8	18.0	18.3	18.6	18.8	18.9	19.1
-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: P558910 (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°	19.1	19.1	19.1	19.7	20.2	20.6	21.0	20.3	19.6	18.9	18.1
85°	49.5	48.8	48.0	47.3	46.5	45.7	44.8	44.2	43.2	42.1	40.6
82.5°	84.4	83.5	82.3	80.2	77.9	75.4	73.0	71.7	70.3	68.5	66.6
80°	120.9	119.5	117.8	115.6	112.9	109.6	106.0	103.3	100.2	97.1	94.7
77.5°	162.4	160.1	157.4	154.5	151.2	147.4	143.4	139.8	136.0	131.6	127.8
75°	208.2	204.3	200.3	196.6	192.4	187.7	183.2	179.0	174.1	168.3	163.8
72.5°	254.9	249.6	244.3	239.3	233.9	228.1	223.4	219.1	213.7	206.9	202.3
70°	301.6	295.3	288.9	282.2	275.0	267.5	263.1	259.2	254.1	247.3	243.1
67.5°	348.2	340.8	333.8	326.3	318.0	308.7	304.0	298.9	293.2	286.3	284.4
65°	393.5	385.5	378.9	371.0	361.9	351.9	347.7	342.2	335.1	327.5	326.3
62.5°	437.6	428.3	421.9	414.4	405.4	397.1	393.0	386.7	378.5	373.0	372.2
60°	482.3	474.1	467.1	458.7	448.8	442.4	438.9	432.4	423.1	420.9	419.9
57.5°	524.7	517.5	511.3	503.1	493.2	490.1	486.5	479.7	470.1	471.5	469.3
55°	564.9	559.5	554.4	546.8	537.6	538.5	535.8	529.1	523.4	525.2	522.5
52.5°	606.3	604.0	599.3	591.0	587.1	589.4	586.1	579.6	580.8	582.7	578.4
50°	654.7	653.4	648.6	640.6	642.8	644.8	642.1	634.0	641.8	643.5	637.9
47.5°	709.2	709.0	702.9	695.8	704.6	706.2	702.9	703.5	710.2	708.3	701.4
45°	772.5	773.1	766.9	767.9	774.0	775.4	769.1	780.7	784.9	781.0	768.5
42.5°	849.2	848.3	841.2	852.2	855.7	853.8	855.9	867.9	868.0	859.3	860.0
40°	945.5	940.0	941.5	951.7	953.3	942.6	962.0	966.7	962.4	946.2	969.0
37.5°	1067.8	1057.4	1070.5	1073.5	1068.7	1074.5	1088.3	1085.4	1067.2	1083.2	1097.4
35°	1222.6	1219.0	1231.4	1227.5	1208.5	1239.7	1243.8	1224.3	1217.7	1246.9	1245.2
32.5°	1415.9	1436.4	1434.2	1416.5	1428.2	1434.9	1425.7	1392.8	1434.9	1446.0	1420.3
30°	1704.3	1714.3	1692.3	1681.3	1701.9	1678.8	1631.6	1679.7	1698.0	1675.2	1618.1
27.5°	2097.3	2068.1	2028.0	2053.7	2029.7	1974.6	1991.4	2015.7	1994.5	1939.6	1874.8
25°	2597.3	2515.1	2535.5	2517.9	2438.7	2424.0	2448.6	2421.0	2344.4	2262.1	2352.6
22.5°	3225.5	3195.2	3161.9	3062.4	3038.3	3045.2	2985.7	2874.9	2807.5	2893.9	2896.6
20°	4069.9	4017.4	3902.9	3860.4	3838.8	3735.8	3586.4	3571.1	3641.9	3605.6	3496.2
17.5°	5083.0	4945.1	4921.3	4854.6	4727.8	4525.8	4602.4	4628.9	4561.4	4373.0	4143.5
15°	6175.3	6254.6	6185.6	5981.3	5860.4	5951.6	5906.9	5759.6	5555.1	5210.4	4819.7
12.5°	7967.9	7851.5	7561.0	7667.7	7637.7	7527.0	7301.3	6977.0	6552.6	5994.1	5431.4
10°	10048.3	9964.3	9879.8	9739.4	9508.4	9180.1	8631.7	8022.6	7388.5	6729.8	6046.3
7.5°	12759.3	12532.4	12243.4	11728.0	11083.6	10419.3	9724.0	8997.2	8222.9	7454.3	6655.7
5°	15225.7	14558.7	13878.1	13170.8	12389.7	11594.9	10792.6	9955.0	9042.6	8157.7	7246.4
2.5°	16780.5	16086.4	15336.3	14519.0	13513.6	12498.6	11483.8	10469.4	9383.2	8360.1	7337.6
0°	17471.8	16663.0	15736.7	14816.4	13813.3	12754.4	11618.7	10578.0	9466.4	8425.6	7389.4
-2.5°	16780.5	16086.4	15336.3	14519.0	13513.6	12498.6	11483.8	10469.4	9383.2	8360.1	7337.6
-5°	15225.7	14558.7	13878.1	13170.8	12389.7	11594.9	10792.6	9955.0	9042.6	8157.7	7246.4
-7.5°	12759.3	12532.4	12243.4	11728.0	11083.6	10419.3	9724.0	8997.2	8222.9	7454.3	6655.7
-10°	10048.3	9964.3	9879.8	9739.4	9508.4	9180.1	8631.7	8022.6	7388.5	6729.8	6046.3
-12.5°	7967.9	7851.5	7561.0	7667.7	7637.7	7527.0	7301.3	6977.0	6552.6	5994.1	5431.4
-15°	6175.3	6254.6	6185.6	5981.3	5860.4	5951.6	5906.9	5759.6	5555.1	5210.4	4819.7
-17.5°	5083.0	4945.1	4921.3	4854.6	4727.8	4525.8	4602.4	4628.9	4561.4	4373.0	4143.5
-20°	4069.9	4017.4	3902.9	3860.4	3838.8	3735.8	3586.4	3571.1	3641.9	3605.6	3496.2



REPORT NUMBER: P558910 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-927-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3225.5	3195.2	3161.9	3062.4	3038.3	3045.2	2985.7	2874.9	2807.5	2893.9	2896.6
-25°	2597.3	2515.1	2535.5	2517.9	2438.7	2424.0	2448.6	2421.0	2344.4	2262.1	2352.6
-27.5°	2097.3	2068.1	2028.0	2053.7	2029.7	1974.6	1991.4	2015.7	1994.5	1939.6	1874.8
-30°	1704.3	1714.3	1692.3	1681.3	1701.9	1678.8	1631.6	1679.7	1698.0	1675.2	1618.1
-32.5°	1415.9	1436.4	1434.2	1416.5	1428.2	1434.9	1425.7	1392.8	1434.9	1446.0	1420.3
-35°	1222.6	1219.0	1231.4	1227.5	1208.5	1239.7	1243.8	1224.3	1217.7	1246.9	1245.2
-37.5°	1067.8	1057.4	1070.5	1073.5	1068.7	1074.5	1088.3	1085.4	1067.2	1083.2	1097.4
-40°	945.5	940.0	941.5	951.7	953.3	942.6	962.0	966.7	962.4	946.2	969.0
-42.5°	849.2	848.3	841.2	852.2	855.7	853.8	855.9	867.9	868.0	859.3	860.0
-45°	772.5	773.1	766.9	767.9	774.0	775.4	769.1	780.7	784.9	781.0	768.5
-47.5°	709.2	709.0	702.9	695.8	704.6	706.2	702.9	703.5	710.2	708.3	701.4
-50°	654.7	653.4	648.6	640.6	642.8	644.8	642.1	634.0	641.8	643.5	637.9
-52.5°	606.3	604.0	599.3	591.0	587.1	589.4	586.1	579.6	580.8	582.7	578.4
-55°	564.9	559.5	554.4	546.8	537.6	538.5	535.8	529.1	523.4	525.2	522.5
-57.5°	524.7	517.5	511.3	503.1	493.2	490.1	486.5	479.7	470.1	471.5	469.3
-60°	482.3	474.1	467.1	458.7	448.8	442.4	438.9	432.4	423.1	420.9	419.9
-62.5°	437.6	428.3	421.9	414.4	405.4	397.1	393.0	386.7	378.5	373.0	372.2
-65°	393.5	385.5	378.9	371.0	361.9	351.9	347.7	342.2	335.1	327.5	326.3
-67.5°	348.2	340.8	333.8	326.3	318.0	308.7	304.0	298.9	293.2	286.3	284.4
-70°	301.6	295.3	288.9	282.2	275.0	267.5	263.1	259.2	254.1	247.3	243.1
-72.5°	254.9	249.6	244.3	239.3	233.9	228.1	223.4	219.1	213.7	206.9	202.3
-75°	208.2	204.3	200.3	196.6	192.4	187.7	183.2	179.0	174.1	168.3	163.8
-77.5°	162.4	160.1	157.4	154.5	151.2	147.4	143.4	139.8	136.0	131.6	127.8
-80°	120.9	119.5	117.8	115.6	112.9	109.6	106.0	103.3	100.2	97.1	94.7
-82.5°	84.4	83.5	82.3	80.2	77.9	75.4	73.0	71.7	70.3	68.5	66.6
-85°	49.5	48.8	48.0	47.3	46.5	45.7	44.8	44.2	43.2	42.1	40.6
-87.5°	19.1	19.1	19.1	19.7	20.2	20.6	21.0	20.3	19.6	18.9	18.1
-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: P558910 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-927-U-NAT-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°	17.5	16.9	16.3	15.5	14.8	13.9	13.0	12.1	11.2	10.3	9.3
85°	39.2	37.5	35.6	33.3	30.8	27.8	26.1	24.2	22.5	20.6	18.5
82.5°	64.9	62.8	60.4	57.6	55.2	52.0	47.9	43.1	37.6	31.5	27.8
80°	93.9	92.1	89.1	85.0	80.9	76.2	71.6	65.9	59.0	51.3	42.8
77.5°	126.2	123.5	119.7	115.4	110.2	104.1	97.1	89.3	80.3	71.0	60.6
75°	161.2	158.0	153.7	147.8	140.4	132.0	123.6	114.2	103.5	90.9	78.4
72.5°	199.4	194.9	188.9	181.0	172.4	162.4	151.1	139.3	127.3	113.1	96.8
70°	239.0	233.2	226.1	217.7	206.6	193.1	180.1	166.7	151.2	135.4	117.2
67.5°	280.1	273.4	264.8	255.4	243.7	228.6	210.0	195.0	178.4	157.7	137.5
65°	322.7	315.3	304.6	295.2	282.0	265.3	245.4	225.4	205.8	183.5	157.8
62.5°	367.5	359.2	349.0	336.9	321.8	303.4	281.5	260.1	234.4	209.3	180.5
60°	414.9	405.9	395.4	382.4	364.2	342.4	319.9	295.0	267.0	235.3	204.2
57.5°	463.9	454.0	445.3	430.2	409.7	384.2	360.0	332.7	299.6	264.4	227.8
55°	514.7	505.5	497.6	481.4	457.5	428.8	403.5	372.5	333.5	294.2	251.4
52.5°	568.9	562.5	553.0	534.9	508.7	478.1	452.9	413.4	371.8	323.9	277.9
50°	626.1	626.0	613.6	591.8	561.8	536.4	504.8	462.0	410.7	355.3	304.8
47.5°	696.7	695.7	681.1	652.7	618.4	599.2	563.6	513.2	450.3	391.2	331.8
45°	776.9	771.5	753.6	721.8	691.2	670.6	627.0	566.2	498.6	427.9	359.0
42.5°	865.9	856.2	831.3	794.4	782.0	749.4	693.9	626.6	548.1	464.6	389.0
40°	970.1	949.7	915.3	896.7	883.8	834.9	771.1	690.1	598.6	503.8	420.8
37.5°	1085.3	1055.5	1009.7	1023.8	996.9	936.5	853.6	755.7	651.4	548.3	452.2
35°	1220.1	1173.5	1174.5	1172.5	1126.7	1045.2	940.5	826.7	709.9	592.6	483.1
32.5°	1367.7	1355.5	1376.3	1342.6	1268.5	1160.6	1037.7	904.9	769.2	636.6	513.5
30°	1577.0	1627.2	1605.0	1529.8	1425.2	1292.9	1142.1	984.9	829.0	680.1	544.8
27.5°	1938.2	1936.4	1862.6	1746.0	1601.1	1433.3	1247.6	1066.2	889.1	725.6	580.2
25°	2345.8	2287.3	2160.3	1984.0	1787.5	1573.8	1354.9	1148.9	954.4	774.7	614.6
22.5°	2811.3	2669.6	2483.2	2237.5	1972.0	1718.3	1469.2	1239.2	1022.0	822.9	647.8
20°	3314.7	3077.3	2821.1	2485.9	2171.0	1875.6	1590.1	1328.7	1088.6	869.8	679.7
17.5°	3853.8	3498.1	3142.8	2755.0	2380.0	2034.3	1710.8	1416.8	1153.7	915.1	709.9
15°	4376.1	3918.7	3474.1	3026.0	2589.8	2192.6	1830.1	1502.6	1216.8	958.5	733.8
12.5°	4890.9	4345.2	3810.0	3295.7	2797.9	2348.8	1946.5	1585.5	1277.3	989.6	749.3
10°	5404.9	4771.5	4145.5	3560.7	3001.7	2500.9	2058.8	1650.1	1305.8	1009.5	762.1
7.5°	5911.0	5191.2	4475.4	3817.4	3177.3	2600.3	2106.9	1679.3	1324.5	1025.6	772.3
5°	6324.0	5465.1	4625.6	3893.5	3226.6	2639.7	2136.5	1702.0	1337.5	1037.7	779.7
2.5°	6379.8	5510.1	4647.9	3923.6	3259.6	2666.7	2156.2	1717.7	1344.7	1045.8	784.3
0°	6401.3	5524.7	4645.1	3932.7	3276.0	2681.0	2165.9	1726.1	1346.5	1049.8	786.2
-2.5°	6379.8	5510.1	4647.9	3923.6	3259.6	2666.7	2156.2	1717.7	1344.7	1045.8	784.3
-5°	6324.0	5465.1	4625.6	3893.5	3226.6	2639.7	2136.5	1702.0	1337.5	1037.7	779.7
-7.5°	5911.0	5191.2	4475.4	3817.4	3177.3	2600.3	2106.9	1679.3	1324.5	1025.6	772.3
-10°	5404.9	4771.5	4145.5	3560.7	3001.7	2500.9	2058.8	1650.1	1305.8	1009.5	762.1
-12.5°	4890.9	4345.2	3810.0	3295.7	2797.9	2348.8	1946.5	1585.5	1277.3	989.6	749.3
-15°	4376.1	3918.7	3474.1	3026.0	2589.8	2192.6	1830.1	1502.6	1216.8	958.5	733.8
-17.5°	3853.8	3498.1	3142.8	2755.0	2380.0	2034.3	1710.8	1416.8	1153.7	915.1	709.9
-20°	3314.7	3077.3	2821.1	2485.9	2171.0	1875.6	1590.1	1328.7	1088.6	869.8	679.7



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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°	2811.3	2669.6	2483.2	2237.5	1972.0	1718.3	1469.2	1239.2	1022.0	822.9	647.8
-25°	2345.8	2287.3	2160.3	1984.0	1787.5	1573.8	1354.9	1148.9	954.4	774.7	614.6
-27.5°	1938.2	1936.4	1862.6	1746.0	1601.1	1433.3	1247.6	1066.2	889.1	725.6	580.2
-30°	1577.0	1627.2	1605.0	1529.8	1425.2	1292.9	1142.1	984.9	829.0	680.1	544.8
-32.5°	1367.7	1355.5	1376.3	1342.6	1268.5	1160.6	1037.7	904.9	769.2	636.6	513.5
-35°	1220.1	1173.5	1174.5	1172.5	1126.7	1045.2	940.5	826.7	709.9	592.6	483.1
-37.5°	1085.3	1055.5	1009.7	1023.8	996.9	936.5	853.6	755.7	651.4	548.3	452.2
-40°	970.1	949.7	915.3	896.7	883.8	834.9	771.1	690.1	598.6	503.8	420.8
-42.5°	865.9	856.2	831.3	794.4	782.0	749.4	693.9	626.6	548.1	464.6	389.0
-45°	776.9	771.5	753.6	721.8	691.2	670.6	627.0	566.2	498.6	427.9	359.0
-47.5°	696.7	695.7	681.1	652.7	618.4	599.2	563.6	513.2	450.3	391.2	331.8
-50°	626.1	626.0	613.6	591.8	561.8	536.4	504.8	462.0	410.7	355.3	304.8
-52.5°	568.9	562.5	553.0	534.9	508.7	478.1	452.9	413.4	371.8	323.9	277.9
-55°	514.7	505.5	497.6	481.4	457.5	428.8	403.5	372.5	333.5	294.2	251.4
-57.5°	463.9	454.0	445.3	430.2	409.7	384.2	360.0	332.7	299.6	264.4	227.8
-60°	414.9	405.9	395.4	382.4	364.2	342.4	319.9	295.0	267.0	235.3	204.2
-62.5°	367.5	359.2	349.0	336.9	321.8	303.4	281.5	260.1	234.4	209.3	180.5
-65°	322.7	315.3	304.6	295.2	282.0	265.3	245.4	225.4	205.8	183.5	157.8
-67.5°	280.1	273.4	264.8	255.4	243.7	228.6	210.0	195.0	178.4	157.7	137.5
-70°	239.0	233.2	226.1	217.7	206.6	193.1	180.1	166.7	151.2	135.4	117.2
-72.5°	199.4	194.9	188.9	181.0	172.4	162.4	151.1	139.3	127.3	113.1	96.8
-75°	161.2	158.0	153.7	147.8	140.4	132.0	123.6	114.2	103.5	90.9	78.4
-77.5°	126.2	123.5	119.7	115.4	110.2	104.1	97.1	89.3	80.3	71.0	60.6
-80°	93.9	92.1	89.1	85.0	80.9	76.2	71.6	65.9	59.0	51.3	42.8
-82.5°	64.9	62.8	60.4	57.6	55.2	52.0	47.9	43.1	37.6	31.5	27.8
-85°	39.2	37.5	35.6	33.3	30.8	27.8	26.1	24.2	22.5	20.6	18.5
-87.5°	17.5	16.9	16.3	15.5	14.8	13.9	13.0	12.1	11.2	10.3	9.3
-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°	8.2	7.3	6.1	4.9	3.4	1.7	0.0
85°	16.4	14.5	12.3	9.7	6.8	3.4	0.0
82.5°	24.5	21.7	18.4	14.6	10.2	5.1	0.0
80°	33.6	29.0	24.5	19.4	13.6	6.8	0.0
77.5°	49.5	38.5	30.7	24.2	16.9	8.5	0.0
75°	65.4	52.1	37.7	29.0	20.3	10.1	0.0
72.5°	81.1	65.7	48.9	33.8	23.5	11.8	0.0
70°	97.2	79.2	60.0	39.3	26.8	13.4	0.0
67.5°	115.5	92.6	71.1	47.8	30.0	15.0	0.0
65°	133.7	107.2	82.0	56.2	33.1	16.6	0.0
62.5°	151.8	122.8	92.7	64.4	36.2	18.1	0.0
60°	169.9	138.3	103.4	72.6	39.2	19.6	0.0
57.5°	190.3	153.7	115.9	80.5	44.5	21.1	0.0
55°	210.9	168.9	128.3	88.4	49.7	22.5	0.0
52.5°	231.2	184.2	140.5	96.0	54.7	23.9	0.0
50°	251.1	201.0	152.4	103.5	59.6	25.2	0.0
47.5°	271.3	217.4	164.2	111.1	64.4	26.5	0.0
45°	294.8	233.5	175.6	119.7	69.0	27.7	0.0
42.5°	318.0	249.2	186.7	128.1	73.4	28.9	0.0
40°	341.0	264.4	198.2	135.9	77.7	30.0	0.0
37.5°	363.7	279.2	209.9	143.1	81.7	31.1	0.0
35°	386.1	296.0	221.1	149.9	85.6	32.1	0.0
32.5°	409.0	313.5	231.9	156.2	89.2	33.1	0.0
30°	433.5	330.6	242.2	162.1	92.6	33.9	0.0
27.5°	457.1	346.9	250.7	167.4	95.8	34.8	0.0
25°	479.9	362.6	258.6	172.3	98.8	35.5	0.0
22.5°	501.6	376.7	265.9	176.7	101.5	36.2	0.0
20°	522.3	387.3	272.5	180.6	104.0	36.8	0.0
17.5°	537.9	396.7	278.6	184.0	106.3	37.4	0.0
15°	549.5	404.8	284.0	187.0	108.3	37.9	0.0
12.5°	559.4	411.6	288.7	189.4	110.0	38.3	0.0
10°	567.6	417.1	292.7	191.3	111.4	38.6	0.0
7.5°	574.1	421.3	296.0	192.8	112.6	38.9	0.0
5°	578.9	424.2	298.5	193.8	113.5	39.1	0.0
2.5°	581.8	425.9	300.3	194.3	114.2	39.2	0.0
0°	582.9	426.3	301.2	194.3	114.5	39.2	0.0
-2.5°	581.8	425.9	300.3	194.3	114.2	39.2	0.0
-5°	578.9	424.2	298.5	193.8	113.5	39.1	0.0
-7.5°	574.1	421.3	296.0	192.8	112.6	38.9	0.0
-10°	567.6	417.1	292.7	191.3	111.4	38.6	0.0
-12.5°	559.4	411.6	288.7	189.4	110.0	38.3	0.0
-15°	549.5	404.8	284.0	187.0	108.3	37.9	0.0
-17.5°	537.9	396.7	278.6	184.0	106.3	37.4	0.0
-20°	522.3	387.3	272.5	180.6	104.0	36.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	501.6	376.7	265.9	176.7	101.5	36.2	0.0
-25°	479.9	362.6	258.6	172.3	98.8	35.5	0.0
-27.5°	457.1	346.9	250.7	167.4	95.8	34.8	0.0
-30°	433.5	330.6	242.2	162.1	92.6	33.9	0.0
-32.5°	409.0	313.5	231.9	156.2	89.2	33.1	0.0
-35°	386.1	296.0	221.1	149.9	85.6	32.1	0.0
-37.5°	363.7	279.2	209.9	143.1	81.7	31.1	0.0
-40°	341.0	264.4	198.2	135.9	77.7	30.0	0.0
-42.5°	318.0	249.2	186.7	128.1	73.4	28.9	0.0
-45°	294.8	233.5	175.6	119.7	69.0	27.7	0.0
-47.5°	271.3	217.4	164.2	111.1	64.4	26.5	0.0
-50°	251.1	201.0	152.4	103.5	59.6	25.2	0.0
-52.5°	231.2	184.2	140.5	96.0	54.7	23.9	0.0
-55°	210.9	168.9	128.3	88.4	49.7	22.5	0.0
-57.5°	190.3	153.7	115.9	80.5	44.5	21.1	0.0
-60°	169.9	138.3	103.4	72.6	39.2	19.6	0.0
-62.5°	151.8	122.8	92.7	64.4	36.2	18.1	0.0
-65°	133.7	107.2	82.0	56.2	33.1	16.6	0.0
-67.5°	115.5	92.6	71.1	47.8	30.0	15.0	0.0
-70°	97.2	79.2	60.0	39.3	26.8	13.4	0.0
-72.5°	81.1	65.7	48.9	33.8	23.5	11.8	0.0
-75°	65.4	52.1	37.7	29.0	20.3	10.1	0.0
-77.5°	49.5	38.5	30.7	24.2	16.9	8.5	0.0
-80°	33.6	29.0	24.5	19.4	13.6	6.8	0.0
-82.5°	24.5	21.7	18.4	14.6	10.2	5.1	0.0
-85°	16.4	14.5	12.3	9.7	6.8	3.4	0.0
-87.5°	8.2	7.3	6.1	4.9	3.4	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)