

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-735-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-735-U-VWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N98
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

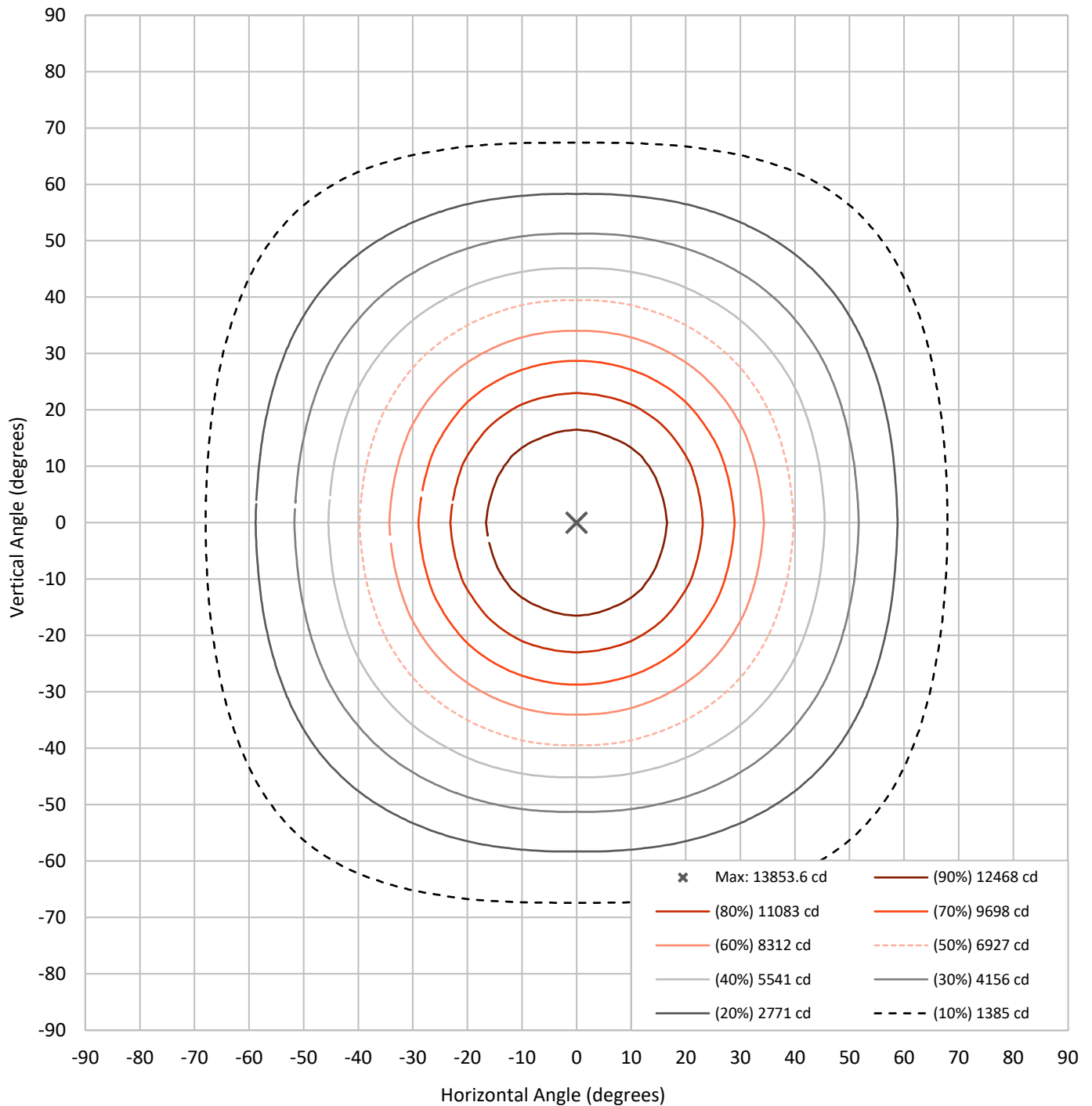
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	25039.2 lumens	Max Intensity:	13853.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	14685.6 lumens	Field Lumens:	23870.6 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	168.2		
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: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





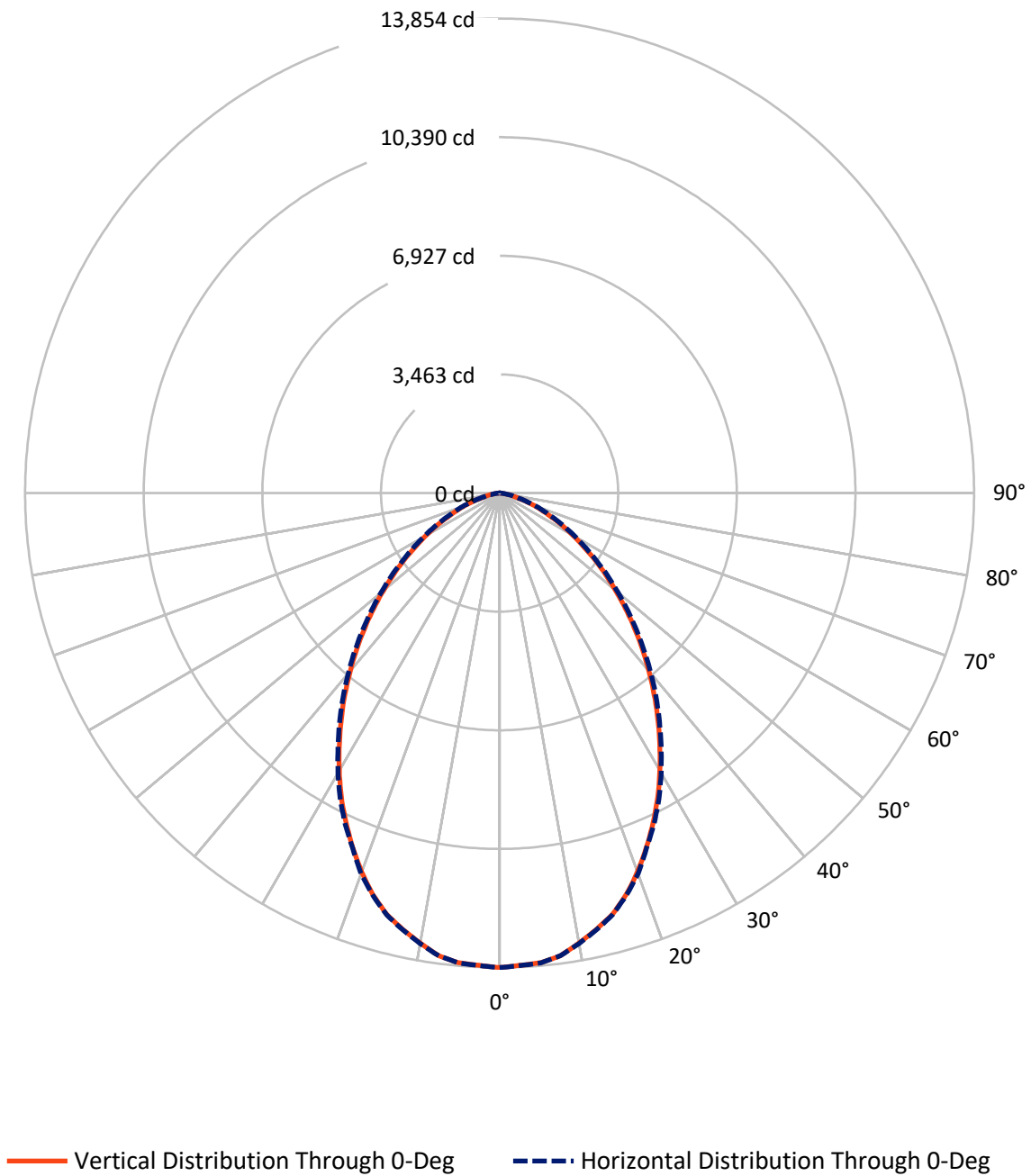
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Lumen Table

90																			
80	0.8	10.3	27.9	47.4	44.7	47.4	27.9	10.3	0.8										
70																			
60	4.6	6.4	13.0	22.1	32.3	41.7	48.8	52.2	52.2	48.8	41.7	32.3	22.1	13.0	6.4	4.6			
50		9.6	21.0	37.6	56.9	77.3	94.1	102.8	102.8	94.1	77.3	56.9	37.6	21.0	9.6				
40	8.2	12.9	30.4	56.2	89.1	123.5	152.3	168.0	168.0	152.3	123.5	89.1	56.2	30.4	12.9	8.2			
30		16.4	40.3	77.4	124.7	174.8	217.6	241.9	241.9	217.6	174.8	124.7	77.4	40.3	16.4				
20	10.5	19.6	49.6	97.3	158.7	225.3	283.4	316.8	316.8	283.4	225.3	158.7	97.3	49.6	19.6	10.5			
10		22.1	56.8	112.2	185.3	266.3	337.7	378.4	378.4	337.7	266.3	185.3	112.2	56.8	22.1				
0	11.4	23.4	60.8	120.7	200.1	289.0	367.1	409.8	409.8	367.1	289.0	200.1	120.7	60.8	23.4	11.4			
-10		23.4	60.8	120.7	200.1	289.0	367.1	409.8	409.8	367.1	289.0	200.1	120.7	60.8	23.4				
-20	10.5	22.1	56.8	112.2	185.3	266.3	337.7	378.4	378.4	337.7	266.3	185.3	112.2	56.8	22.1	10.5			
-30		19.6	49.6	97.3	158.7	225.3	283.4	316.8	316.8	283.4	225.3	158.7	97.3	49.6	19.6				
-40	8.2	16.4	40.3	77.4	124.7	174.8	217.6	241.9	241.9	217.6	174.8	124.7	77.4	40.3	16.4	8.2			
-50		12.9	30.4	56.2	89.1	123.5	152.3	168.0	168.0	152.3	123.5	89.1	56.2	30.4	12.9				
-60	4.6	9.6	21.0	37.6	56.9	77.3	94.1	102.8	102.8	94.1	77.3	56.9	37.6	21.0	9.6	4.6			
-70		6.4	13.0	22.1	32.3	41.7	48.8	52.2	52.2	48.8	41.7	32.3	22.1	13.0	6.4				
-80	0.8	10.3	27.9	47.4	44.7	47.4	27.9	10.3	0.8										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

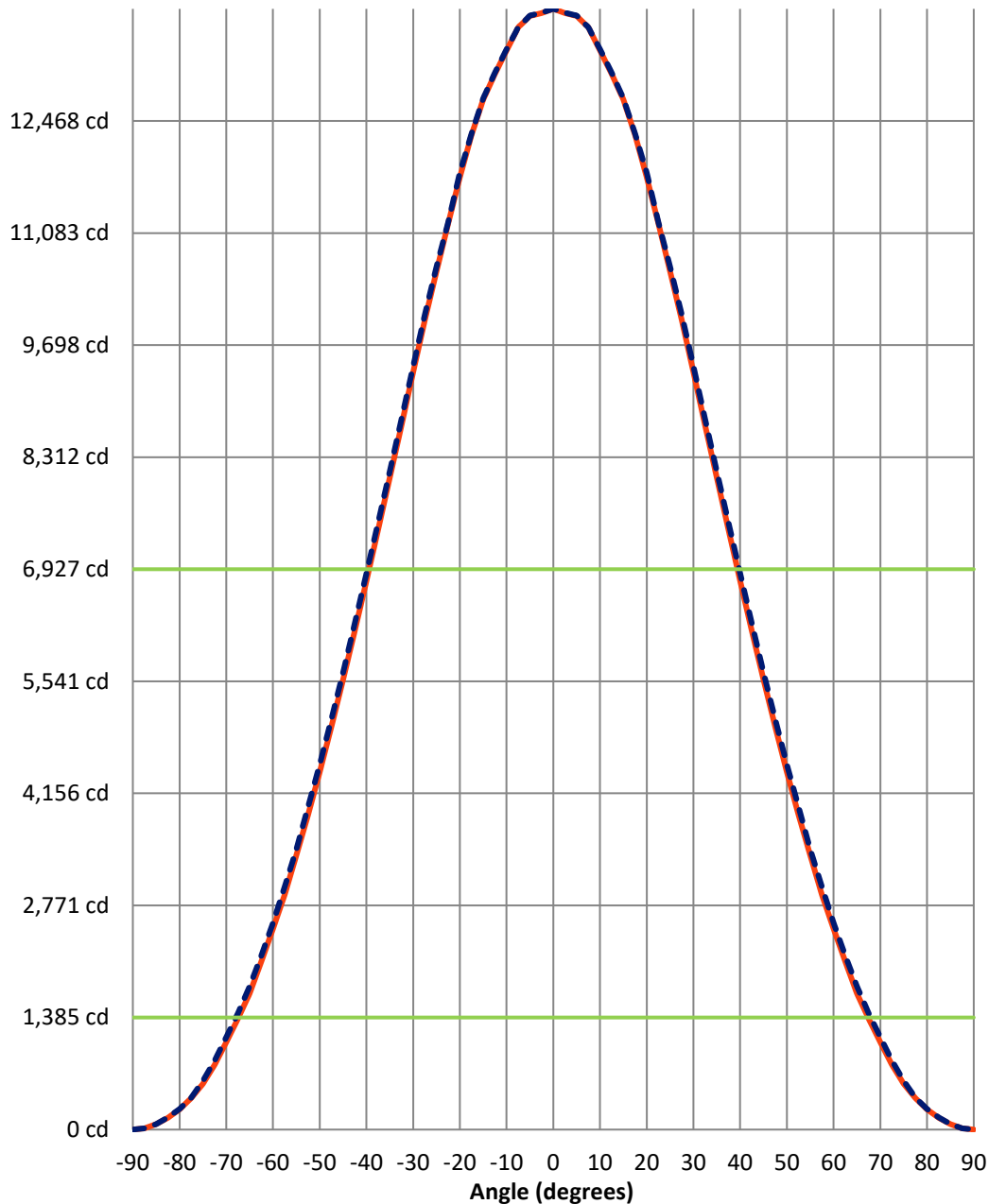
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 14685.6
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 23870.6
 Efficiency: 95.3%

Spill:
 Lumens: 1168.6
 Efficiency: 4.7%

- 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	0.8	1.8	2.7	3.6	4.5	5.4	6.3	7.1	8.0	8.8
85°	0.0	1.6	3.6	5.4	7.2	9.0	10.8	12.5	14.2	15.9	17.6
82.5°	0.0	2.4	5.4	8.1	10.8	13.5	16.1	18.7	23.4	36.8	49.7
80°	0.0	3.2	7.2	10.8	14.4	17.9	24.2	43.1	61.2	78.7	95.4
77.5°	0.0	3.9	8.9	13.5	17.9	28.1	52.7	76.5	98.9	120.3	147.0
75°	0.0	4.7	10.7	16.1	23.3	48.6	80.6	109.7	137.7	176.1	216.9
72.5°	0.0	5.4	12.4	18.7	37.2	68.5	107.5	145.4	189.3	236.1	285.6
70°	0.0	6.2	14.0	22.4	50.6	87.6	134.5	188.2	239.8	294.9	359.4
67.5°	0.0	6.9	15.6	30.7	63.5	106.0	166.8	229.9	289.3	358.9	432.7
65°	0.0	7.6	17.2	38.7	75.7	126.6	197.8	270.6	342.7	420.9	501.4
62.5°	0.0	8.3	18.6	46.2	87.4	149.2	227.1	313.1	394.3	480.2	562.8
60°	0.0	8.9	20.1	53.4	98.3	170.5	254.8	355.2	444.0	535.7	623.4
57.5°	0.0	9.6	24.1	60.2	112.9	190.5	284.0	394.5	493.0	590.3	680.8
55°	0.0	10.2	28.1	66.5	126.8	209.2	311.6	428.5	541.1	642.9	735.9
52.5°	0.0	10.8	31.9	72.3	139.8	226.9	337.2	463.8	588.2	691.4	789.6
50°	0.0	11.3	35.5	77.6	151.7	245.6	360.6	497.3	632.9	738.5	851.2
47.5°	0.0	11.8	39.0	83.2	162.6	262.8	382.6	528.4	673.3	784.0	911.4
45°	0.0	12.3	42.3	90.4	172.3	278.3	407.0	557.1	704.8	835.5	969.2
42.5°	0.0	12.8	45.4	96.9	181.0	292.0	429.4	583.5	735.0	884.8	1037.1
40°	0.0	13.2	48.3	103.6	189.7	304.1	449.7	608.6	766.3	931.0	1103.3
37.5°	0.0	13.6	51.0	110.2	198.3	314.3	467.8	632.3	801.4	974.8	1165.3
35°	0.0	14.0	53.6	116.3	205.7	326.2	483.9	654.6	835.7	1025.3	1227.9
32.5°	0.0	14.3	55.9	122.0	211.9	338.0	498.7	675.5	868.9	1073.8	1294.1
30°	0.0	14.6	58.1	127.2	216.8	348.2	514.2	696.4	901.0	1120.2	1356.1
27.5°	0.0	14.9	60.0	131.9	224.2	356.6	528.0	720.7	934.0	1164.2	1413.5
25°	0.0	15.1	61.7	136.1	231.2	363.2	540.2	743.3	968.5	1209.0	1466.6
22.5°	0.0	15.3	63.3	139.8	237.3	369.9	550.6	763.9	1000.2	1251.4	1523.2
20°	0.0	15.5	64.6	143.0	242.6	379.1	559.3	782.5	1029.0	1289.3	1573.9
17.5°	0.0	15.6	65.7	145.7	247.0	386.6	570.0	798.9	1054.6	1322.5	1618.7
15°	0.0	15.7	66.6	147.9	250.6	392.5	581.2	814.5	1076.9	1351.0	1657.2
12.5°	0.0	15.8	67.2	149.6	253.3	396.7	590.4	829.2	1097.0	1374.7	1689.5
10°	0.0	15.8	67.7	150.8	255.2	399.3	597.3	840.5	1114.4	1396.9	1716.7
7.5°	0.0	15.8	68.0	151.5	256.2	400.3	602.0	848.4	1127.8	1414.8	1740.2
5°	0.0	15.8	68.0	151.7	256.5	399.9	604.5	852.9	1137.0	1427.8	1757.1
2.5°	0.0	15.7	67.9	151.4	255.8	397.9	604.6	854.0	1141.9	1435.6	1767.2
0°	0.0	15.6	67.5	150.6	254.4	394.6	602.3	851.6	1142.3	1438.3	1770.6
-2.5°	0.0	15.7	67.9	151.4	255.8	397.9	604.6	854.0	1141.9	1435.6	1767.2
-5°	0.0	15.8	68.0	151.7	256.5	399.9	604.5	852.9	1137.0	1427.8	1757.1
-7.5°	0.0	15.8	68.0	151.5	256.2	400.3	602.0	848.4	1127.8	1414.8	1740.2
-10°	0.0	15.8	67.7	150.8	255.2	399.3	597.3	840.5	1114.4	1396.9	1716.7
-12.5°	0.0	15.8	67.2	149.6	253.3	396.7	590.4	829.2	1097.0	1374.7	1689.5
-15°	0.0	15.7	66.6	147.9	250.6	392.5	581.2	814.5	1076.9	1351.0	1657.2
-17.5°	0.0	15.6	65.7	145.7	247.0	386.6	570.0	798.9	1054.6	1322.5	1618.7
-20°	0.0	15.5	64.6	143.0	242.6	379.1	559.3	782.5	1029.0	1289.3	1573.9

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CATALOG NUMBER: GFLD-SA4C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.3	63.3	139.8	237.3	369.9	550.6	763.9	1000.2	1251.4	1523.2
-25°	0.0	15.1	61.7	136.1	231.2	363.2	540.2	743.3	968.5	1209.0	1466.6
-27.5°	0.0	14.9	60.0	131.9	224.2	356.6	528.0	720.7	934.0	1164.2	1413.5
-30°	0.0	14.6	58.1	127.2	216.8	348.2	514.2	696.4	901.0	1120.2	1356.1
-32.5°	0.0	14.3	55.9	122.0	211.9	338.0	498.7	675.5	868.9	1073.8	1294.1
-35°	0.0	14.0	53.6	116.3	205.7	326.2	483.9	654.6	835.7	1025.3	1227.9
-37.5°	0.0	13.6	51.0	110.2	198.3	314.3	467.8	632.3	801.4	974.8	1165.3
-40°	0.0	13.2	48.3	103.6	189.7	304.1	449.7	608.6	766.3	931.0	1103.3
-42.5°	0.0	12.8	45.4	96.9	181.0	292.0	429.4	583.5	735.0	884.8	1037.1
-45°	0.0	12.3	42.3	90.4	172.3	278.3	407.0	557.1	704.8	835.5	969.2
-47.5°	0.0	11.8	39.0	83.2	162.6	262.8	382.6	528.4	673.3	784.0	911.4
-50°	0.0	11.3	35.5	77.6	151.7	245.6	360.6	497.3	632.9	738.5	851.2
-52.5°	0.0	10.8	31.9	72.3	139.8	226.9	337.2	463.8	588.2	691.4	789.6
-55°	0.0	10.2	28.1	66.5	126.8	209.2	311.6	428.5	541.1	642.9	735.9
-57.5°	0.0	9.6	24.1	60.2	112.9	190.5	284.0	394.5	493.0	590.3	680.8
-60°	0.0	8.9	20.1	53.4	98.3	170.5	254.8	355.2	444.0	535.7	623.4
-62.5°	0.0	8.3	18.6	46.2	87.4	149.2	227.1	313.1	394.3	480.2	562.8
-65°	0.0	7.6	17.2	38.7	75.7	126.6	197.8	270.6	342.7	420.9	501.4
-67.5°	0.0	6.9	15.6	30.7	63.5	106.0	166.8	229.9	289.3	358.9	432.7
-70°	0.0	6.2	14.0	22.4	50.6	87.6	134.5	188.2	239.8	294.9	359.4
-72.5°	0.0	5.4	12.4	18.7	37.2	68.5	107.5	145.4	189.3	236.1	285.6
-75°	0.0	4.7	10.7	16.1	23.3	48.6	80.6	109.7	137.7	176.1	216.9
-77.5°	0.0	3.9	8.9	13.5	17.9	28.1	52.7	76.5	98.9	120.3	147.0
-80°	0.0	3.2	7.2	10.8	14.4	17.9	24.2	43.1	61.2	78.7	95.4
-82.5°	0.0	2.4	5.4	8.1	10.8	13.5	16.1	18.7	23.4	36.8	49.7
-85°	0.0	1.6	3.6	5.4	7.2	9.0	10.8	12.5	14.2	15.9	17.6
-87.5°	0.0	0.8	1.8	2.7	3.6	4.5	5.4	6.3	7.1	8.0	8.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	10.2	11.7	13.3	14.9	15.0	15.0	14.9	14.7	15.3	15.9	16.5
85°	20.3	23.3	32.4	41.1	45.4	47.9	49.1	48.9	56.9	66.1	76.1
82.5°	63.2	76.2	88.6	100.4	103.5	103.6	102.6	102.9	121.6	143.0	164.9
80°	112.5	129.0	150.9	170.3	178.8	183.1	185.1	184.8	208.4	239.9	273.0
77.5°	178.5	206.3	230.4	251.0	262.1	271.9	279.9	286.0	316.4	356.2	395.7
75°	253.6	284.2	314.5	340.9	359.4	373.1	385.8	406.4	446.2	492.6	533.0
72.5°	333.0	371.9	405.7	434.4	460.3	487.9	518.7	552.4	594.4	640.8	683.0
70°	417.7	460.5	495.9	530.4	565.7	607.0	653.2	698.7	745.5	796.7	846.0
67.5°	500.5	541.8	583.5	627.1	679.9	735.2	789.8	852.6	916.7	973.6	1024.4
65°	572.5	621.0	673.1	732.2	797.5	867.6	940.6	1015.8	1097.3	1165.5	1227.7
62.5°	641.3	699.5	762.8	836.5	919.8	1002.9	1095.9	1190.1	1281.7	1362.2	1436.5
60°	704.6	775.1	855.2	945.6	1042.8	1153.2	1259.2	1366.3	1466.8	1557.8	1651.8
57.5°	766.2	855.0	951.1	1059.6	1182.5	1306.5	1431.1	1546.3	1660.1	1771.0	1877.3
55°	831.4	938.4	1052.8	1185.9	1324.4	1471.1	1605.3	1733.9	1859.3	1993.9	2121.9
52.5°	903.2	1022.7	1165.9	1314.8	1474.9	1632.3	1779.7	1926.2	2077.7	2230.1	2396.7
50°	972.5	1121.5	1278.3	1451.5	1624.5	1793.2	1962.2	2130.9	2312.4	2499.3	2688.1
47.5°	1053.4	1216.0	1401.3	1587.0	1776.0	1963.7	2152.0	2356.0	2562.2	2779.0	2987.8
45°	1135.3	1318.1	1517.7	1727.8	1932.1	2139.9	2360.2	2585.6	2827.4	3065.8	3317.0
42.5°	1212.9	1419.5	1639.6	1866.4	2093.8	2326.0	2568.2	2831.5	3095.7	3370.7	3646.7
40°	1298.9	1516.0	1758.6	2008.6	2255.2	2512.6	2789.4	3074.5	3373.6	3675.9	3975.6
37.5°	1381.6	1620.2	1875.3	2144.3	2421.1	2704.0	3004.4	3328.2	3652.4	3977.7	4308.4
35°	1459.0	1719.0	1995.3	2280.9	2574.5	2896.2	3232.1	3577.7	3929.0	4280.8	4636.5
32.5°	1538.6	1812.2	2110.0	2415.6	2739.1	3084.1	3452.0	3826.5	4200.7	4576.4	4965.7
30°	1618.4	1909.9	2221.1	2543.0	2896.9	3272.8	3668.2	4064.9	4460.7	4874.1	5289.0
27.5°	1693.8	2002.6	2330.2	2674.7	3048.0	3447.5	3867.5	4292.3	4719.1	5158.7	5601.2
25°	1763.3	2090.4	2431.5	2801.4	3197.1	3615.6	4053.2	4496.5	4964.5	5434.9	5897.0
22.5°	1831.0	2171.0	2525.3	2918.2	3332.2	3771.7	4227.3	4695.5	5184.6	5689.7	6167.9
20°	1896.1	2247.8	2616.6	3024.0	3453.2	3912.3	4385.6	4875.8	5389.0	5907.6	6422.0
17.5°	1954.0	2316.1	2701.6	3122.9	3568.7	4040.8	4528.2	5034.6	5570.6	6108.2	6653.2
15°	2004.4	2375.5	2775.2	3209.2	3670.8	4157.5	4660.6	5181.4	5731.2	6291.0	6857.5
12.5°	2047.0	2425.8	2837.1	3282.5	3757.4	4257.7	4774.4	5313.5	5878.1	6453.5	7036.5
10°	2081.6	2466.8	2887.3	3342.5	3828.1	4340.5	4868.0	5422.4	6003.9	6591.8	7187.1
7.5°	2111.1	2501.0	2927.1	3388.7	3882.6	4405.3	4941.0	5507.3	6104.1	6699.7	7308.0
5°	2132.5	2528.6	2963.7	3427.5	3930.0	4455.9	4996.3	5567.8	6177.4	6776.5	7395.7
2.5°	2145.4	2546.6	2988.5	3452.6	3967.2	4493.9	5045.4	5621.2	6231.1	6837.4	7461.7
0°	2149.7	2554.7	3001.3	3463.4	3987.8	4512.3	5073.1	5649.4	6257.0	6874.9	7503.2
-2.5°	2145.4	2546.6	2988.5	3452.6	3967.2	4493.9	5045.4	5621.2	6231.1	6837.4	7461.7
-5°	2132.5	2528.6	2963.7	3427.5	3930.0	4455.9	4996.3	5567.8	6177.4	6776.5	7395.7
-7.5°	2111.1	2501.0	2927.1	3388.7	3882.6	4405.3	4941.0	5507.3	6104.1	6699.7	7308.0
-10°	2081.6	2466.8	2887.3	3342.5	3828.1	4340.5	4868.0	5422.4	6003.9	6591.8	7187.1
-12.5°	2047.0	2425.8	2837.1	3282.5	3757.4	4257.7	4774.4	5313.5	5878.1	6453.5	7036.5
-15°	2004.4	2375.5	2775.2	3209.2	3670.8	4157.5	4660.6	5181.4	5731.2	6291.0	6857.5
-17.5°	1954.0	2316.1	2701.6	3122.9	3568.7	4040.8	4528.2	5034.6	5570.6	6108.2	6653.2
-20°	1896.1	2247.8	2616.6	3024.0	3453.2	3912.3	4385.6	4875.8	5389.0	5907.6	6422.0



REPORT NUMBER: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1831.0	2171.0	2525.3	2918.2	3332.2	3771.7	4227.3	4695.5	5184.6	5689.7	6167.9
-25°	1763.3	2090.4	2431.5	2801.4	3197.1	3615.6	4053.2	4496.5	4964.5	5434.9	5897.0
-27.5°	1693.8	2002.6	2330.2	2674.7	3048.0	3447.5	3867.5	4292.3	4719.1	5158.7	5601.2
-30°	1618.4	1909.9	2221.1	2543.0	2896.9	3272.8	3668.2	4064.9	4460.7	4874.1	5289.0
-32.5°	1538.6	1812.2	2110.0	2415.6	2739.1	3084.1	3452.0	3826.5	4200.7	4576.4	4965.7
-35°	1459.0	1719.0	1995.3	2280.9	2574.5	2896.2	3232.1	3577.7	3929.0	4280.8	4636.5
-37.5°	1381.6	1620.2	1875.3	2144.3	2421.1	2704.0	3004.4	3328.2	3652.4	3977.7	4308.4
-40°	1298.9	1516.0	1758.6	2008.6	2255.2	2512.6	2789.4	3074.5	3373.6	3675.9	3975.6
-42.5°	1212.9	1419.5	1639.6	1866.4	2093.8	2326.0	2568.2	2831.5	3095.7	3370.7	3646.7
-45°	1135.3	1318.1	1517.7	1727.8	1932.1	2139.9	2360.2	2585.6	2827.4	3065.8	3317.0
-47.5°	1053.4	1216.0	1401.3	1587.0	1776.0	1963.7	2152.0	2356.0	2562.2	2779.0	2987.8
-50°	972.5	1121.5	1278.3	1451.5	1624.5	1793.2	1962.2	2130.9	2312.4	2499.3	2688.1
-52.5°	903.2	1022.7	1165.9	1314.8	1474.9	1632.3	1779.7	1926.2	2077.7	2230.1	2396.7
-55°	831.4	938.4	1052.8	1185.9	1324.4	1471.1	1605.3	1733.9	1859.3	1993.9	2121.9
-57.5°	766.2	855.0	951.1	1059.6	1182.5	1306.5	1431.1	1546.3	1660.1	1771.0	1877.3
-60°	704.6	775.1	855.2	945.6	1042.8	1153.2	1259.2	1366.3	1466.8	1557.8	1651.8
-62.5°	641.3	699.5	762.8	836.5	919.8	1002.9	1095.9	1190.1	1281.7	1362.2	1436.5
-65°	572.5	621.0	673.1	732.2	797.5	867.6	940.6	1015.8	1097.3	1165.5	1227.7
-67.5°	500.5	541.8	583.5	627.1	679.9	735.2	789.8	852.6	916.7	973.6	1024.4
-70°	417.7	460.5	495.9	530.4	565.7	607.0	653.2	698.7	745.5	796.7	846.0
-72.5°	333.0	371.9	405.7	434.4	460.3	487.9	518.7	552.4	594.4	640.8	683.0
-75°	253.6	284.2	314.5	340.9	359.4	373.1	385.8	406.4	446.2	492.6	533.0
-77.5°	178.5	206.3	230.4	251.0	262.1	271.9	279.9	286.0	316.4	356.2	395.7
-80°	112.5	129.0	150.9	170.3	178.8	183.1	185.1	184.8	208.4	239.9	273.0
-82.5°	63.2	76.2	88.6	100.4	103.5	103.6	102.6	102.9	121.6	143.0	164.9
-85°	20.3	23.3	32.4	41.1	45.4	47.9	49.1	48.9	56.9	66.1	76.1
-87.5°	10.2	11.7	13.3	14.9	15.0	15.0	14.9	14.7	15.3	15.9	16.5
-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: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-VWR-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°	17.0	17.5	18.0	18.4	18.9	19.2	19.5	19.8	20.1	19.0	17.9
85°	86.7	92.9	98.6	104.1	109.3	114.2	118.9	123.2	127.2	116.2	104.0
82.5°	187.3	202.3	216.6	230.9	244.9	248.5	249.6	249.1	247.1	227.8	206.4
80°	305.8	331.2	355.2	379.0	402.5	405.1	402.4	397.6	390.8	365.4	336.6
77.5°	435.0	467.1	495.2	520.8	544.2	548.6	548.0	546.8	544.9	519.0	487.6
75°	567.6	599.0	629.2	654.9	676.3	686.2	691.0	694.4	696.2	677.6	653.3
72.5°	721.3	753.9	780.5	805.5	826.6	841.9	852.8	861.1	866.8	861.2	851.2
70°	888.0	923.0	952.4	980.6	1009.2	1032.2	1049.5	1062.1	1070.1	1075.3	1079.0
67.5°	1075.7	1122.7	1163.7	1198.6	1233.3	1265.8	1292.5	1314.3	1331.1	1345.4	1356.4
65°	1287.2	1347.3	1400.5	1449.4	1494.2	1541.3	1580.0	1612.4	1638.5	1660.1	1677.4
62.5°	1509.6	1583.2	1651.6	1717.9	1782.8	1846.8	1895.9	1940.6	1980.3	2014.5	2041.7
60°	1740.7	1824.4	1916.1	2003.6	2084.1	2157.7	2230.8	2294.1	2348.3	2393.2	2429.5
57.5°	1989.2	2097.4	2204.6	2313.3	2416.0	2512.1	2602.1	2681.5	2748.6	2803.6	2849.8
55°	2257.5	2392.9	2517.2	2654.3	2786.8	2907.5	3013.7	3107.0	3187.7	3255.3	3312.7
52.5°	2552.5	2717.0	2878.5	3034.6	3185.0	3324.9	3452.1	3560.8	3657.4	3740.3	3806.5
50°	2875.4	3063.6	3250.8	3424.3	3597.2	3758.4	3904.2	4030.3	4142.8	4240.2	4316.8
47.5°	3213.0	3427.3	3636.3	3835.0	4026.2	4205.5	4363.3	4507.0	4647.3	4761.7	4852.2
45°	3563.6	3803.9	4034.5	4261.7	4472.3	4673.2	4867.9	5046.9	5190.9	5316.9	5422.8
42.5°	3918.4	4186.5	4444.8	4692.6	4924.2	5156.5	5375.5	5571.2	5735.4	5878.7	5999.0
40°	4277.9	4571.4	4855.9	5126.1	5390.9	5644.2	5881.1	6087.5	6272.6	6442.8	6584.6
37.5°	4635.6	4958.5	5273.7	5576.3	5867.9	6142.3	6398.3	6631.5	6840.4	7034.3	7191.7
35°	4994.8	5349.1	5694.1	6027.2	6345.7	6648.5	6928.7	7194.1	7440.4	7636.7	7797.8
32.5°	5352.6	5733.5	6109.1	6475.8	6824.3	7150.8	7454.4	7747.7	8001.0	8216.8	8402.0
30°	5698.9	6111.6	6520.5	6918.1	7294.6	7648.4	7984.6	8294.7	8567.1	8803.1	9010.8
27.5°	6038.7	6482.1	6920.8	7345.6	7752.6	8137.0	8503.9	8840.2	9137.5	9394.0	9613.0
25°	6359.9	6836.4	7304.1	7754.4	8189.2	8613.2	9009.4	9376.4	9693.9	9975.6	10200.6
22.5°	6666.8	7174.9	7666.3	8140.0	8605.1	9062.2	9496.0	9879.1	10215.6	10510.0	10759.1
20°	6952.6	7497.1	7999.8	8500.8	8990.8	9478.9	9944.5	10348.8	10704.9	11018.4	11292.9
17.5°	7219.8	7778.3	8307.6	8841.1	9357.5	9869.5	10342.6	10776.0	11160.1	11492.9	11780.5
15°	7446.0	8010.0	8588.2	9157.7	9702.3	10220.7	10693.4	11146.0	11572.5	11932.5	12224.1
12.5°	7629.1	8215.7	8818.9	9423.5	9999.4	10517.1	11012.0	11471.2	11919.1	12323.5	12591.5
10°	7785.3	8389.3	9011.9	9628.5	10212.2	10759.9	11297.9	11783.4	12223.7	12585.7	12885.0
7.5°	7920.3	8542.5	9174.8	9792.4	10374.1	10940.1	11493.9	12009.5	12454.0	12795.1	13062.0
5°	8019.8	8656.8	9301.3	9924.6	10514.4	11082.3	11638.6	12147.7	12581.6	12928.7	13219.8
2.5°	8091.0	8734.0	9383.2	10007.3	10610.2	11179.5	11749.8	12264.6	12684.7	13002.7	13281.5
0°	8136.6	8780.5	9434.8	10073.4	10665.4	11215.8	11828.5	12311.4	12747.6	13064.3	13355.1
-2.5°	8091.0	8734.0	9383.2	10007.3	10610.2	11179.5	11749.8	12264.6	12684.7	13002.7	13281.5
-5°	8019.8	8656.8	9301.3	9924.6	10514.4	11082.3	11638.6	12147.7	12581.6	12928.7	13219.8
-7.5°	7920.3	8542.5	9174.8	9792.4	10374.1	10940.1	11493.9	12009.5	12454.0	12795.1	13062.0
-10°	7785.3	8389.3	9011.9	9628.5	10212.2	10759.9	11297.9	11783.4	12223.7	12585.7	12885.0
-12.5°	7629.1	8215.7	8818.9	9423.5	9999.4	10517.1	11012.0	11471.2	11919.1	12323.5	12591.5
-15°	7446.0	8010.0	8588.2	9157.7	9702.3	10220.7	10693.4	11146.0	11572.5	11932.5	12224.1
-17.5°	7219.8	7778.3	8307.6	8841.1	9357.5	9869.5	10342.6	10776.0	11160.1	11492.9	11780.5
-20°	6952.6	7497.1	7999.8	8500.8	8990.8	9478.9	9944.5	10348.8	10704.9	11018.4	11292.9



REPORT NUMBER: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6666.8	7174.9	7666.3	8140.0	8605.1	9062.2	9496.0	9879.1	10215.6	10510.0	10759.1
-25°	6359.9	6836.4	7304.1	7754.4	8189.2	8613.2	9009.4	9376.4	9693.9	9975.6	10200.6
-27.5°	6038.7	6482.1	6920.8	7345.6	7752.6	8137.0	8503.9	8840.2	9137.5	9394.0	9613.0
-30°	5698.9	6111.6	6520.5	6918.1	7294.6	7648.4	7984.6	8294.7	8567.1	8803.1	9010.8
-32.5°	5352.6	5733.5	6109.1	6475.8	6824.3	7150.8	7454.4	7747.7	8001.0	8216.8	8402.0
-35°	4994.8	5349.1	5694.1	6027.2	6345.7	6648.5	6928.7	7194.1	7440.4	7636.7	7797.8
-37.5°	4635.6	4958.5	5273.7	5576.3	5867.9	6142.3	6398.3	6631.5	6840.4	7034.3	7191.7
-40°	4277.9	4571.4	4855.9	5126.1	5390.9	5644.2	5881.1	6087.5	6272.6	6442.8	6584.6
-42.5°	3918.4	4186.5	4444.8	4692.6	4924.2	5156.5	5375.5	5571.2	5735.4	5878.7	5999.0
-45°	3563.6	3803.9	4034.5	4261.7	4472.3	4673.2	4867.9	5046.9	5190.9	5316.9	5422.8
-47.5°	3213.0	3427.3	3636.3	3835.0	4026.2	4205.5	4363.3	4507.0	4647.3	4761.7	4852.2
-50°	2875.4	3063.6	3250.8	3424.3	3597.2	3758.4	3904.2	4030.3	4142.8	4240.2	4316.8
-52.5°	2552.5	2717.0	2878.5	3034.6	3185.0	3324.9	3452.1	3560.8	3657.4	3740.3	3806.5
-55°	2257.5	2392.9	2517.2	2654.3	2786.8	2907.5	3013.7	3107.0	3187.7	3255.3	3312.7
-57.5°	1989.2	2097.4	2204.6	2313.3	2416.0	2512.1	2602.1	2681.5	2748.6	2803.6	2849.8
-60°	1740.7	1824.4	1916.1	2003.6	2084.1	2157.7	2230.8	2294.1	2348.3	2393.2	2429.5
-62.5°	1509.6	1583.2	1651.6	1717.9	1782.8	1846.8	1895.9	1940.6	1980.3	2014.5	2041.7
-65°	1287.2	1347.3	1400.5	1449.4	1494.2	1541.3	1580.0	1612.4	1638.5	1660.1	1677.4
-67.5°	1075.7	1122.7	1163.7	1198.6	1233.3	1265.8	1292.5	1314.3	1331.1	1345.4	1356.4
-70°	888.0	923.0	952.4	980.6	1009.2	1032.2	1049.5	1062.1	1070.1	1075.3	1079.0
-72.5°	721.3	753.9	780.5	805.5	826.6	841.9	852.8	861.1	866.8	861.2	851.2
-75°	567.6	599.0	629.2	654.9	676.3	686.2	691.0	694.4	696.2	677.6	653.3
-77.5°	435.0	467.1	495.2	520.8	544.2	548.6	548.0	546.8	544.9	519.0	487.6
-80°	305.8	331.2	355.2	379.0	402.5	405.1	402.4	397.6	390.8	365.4	336.6
-82.5°	187.3	202.3	216.6	230.9	244.9	248.5	249.6	249.1	247.1	227.8	206.4
-85°	86.7	92.9	98.6	104.1	109.3	114.2	118.9	123.2	127.2	116.2	104.0
-87.5°	17.0	17.5	18.0	18.4	18.9	19.2	19.5	19.8	20.1	19.0	17.9
-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: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-VWR-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°	16.8	15.5	15.6	15.6	15.6	15.5	16.8	17.9	19.0	20.1	19.8
85°	91.0	77.5	72.6	67.5	72.6	77.5	91.0	104.0	116.2	127.2	123.2
82.5°	183.9	160.5	153.0	145.4	153.0	160.5	183.9	206.4	227.8	247.1	249.1
80°	306.2	274.5	262.0	249.2	262.0	274.5	306.2	336.6	365.4	390.8	397.6
77.5°	454.5	419.6	404.7	389.4	404.7	419.6	454.5	487.6	519.0	544.9	546.8
75°	627.5	600.3	583.7	566.0	583.7	600.3	627.5	653.3	677.6	696.2	694.4
72.5°	839.8	826.4	814.4	799.6	814.4	826.4	839.8	851.2	861.2	866.8	861.1
70°	1080.2	1078.5	1080.7	1080.0	1080.7	1078.5	1080.2	1079.0	1075.3	1070.1	1062.1
67.5°	1362.0	1362.4	1368.2	1370.8	1368.2	1362.4	1362.0	1356.4	1345.4	1331.1	1314.3
65°	1688.0	1692.0	1690.5	1682.4	1690.5	1692.0	1688.0	1677.4	1660.1	1638.5	1612.4
62.5°	2061.1	2072.3	2078.4	2077.0	2078.4	2072.3	2061.1	2041.7	2014.5	1980.3	1940.6
60°	2456.5	2474.1	2482.9	2482.0	2482.9	2474.1	2456.5	2429.5	2393.2	2348.3	2294.1
57.5°	2884.2	2906.8	2912.0	2902.6	2912.0	2906.8	2884.2	2849.8	2803.6	2748.6	2681.5
55°	3356.0	3384.9	3396.0	3390.7	3396.0	3384.9	3356.0	3312.7	3255.3	3187.7	3107.0
52.5°	3854.9	3886.1	3897.1	3889.2	3897.1	3886.1	3854.9	3806.5	3740.3	3657.4	3560.8
50°	4373.1	4410.9	4426.1	4418.8	4426.1	4410.9	4373.1	4316.8	4240.2	4142.8	4030.3
47.5°	4923.1	4973.4	4992.9	4979.6	4992.9	4973.4	4923.1	4852.2	4761.7	4647.3	4507.0
45°	5501.9	5554.0	5574.2	5561.2	5574.2	5554.0	5501.9	5422.8	5316.9	5190.9	5046.9
42.5°	6091.0	6158.7	6187.3	6163.5	6187.3	6158.7	6091.0	5999.0	5878.7	5735.4	5571.2
40°	6690.5	6763.9	6797.8	6781.4	6797.8	6763.9	6690.5	6584.6	6442.8	6272.6	6087.5
37.5°	7305.4	7378.5	7414.5	7414.9	7414.5	7378.5	7305.4	7191.7	7034.3	6840.4	6631.5
35°	7922.6	8011.1	8061.2	8058.8	8061.2	8011.1	7922.6	7797.8	7636.7	7440.4	7194.1
32.5°	8548.4	8644.2	8695.4	8702.6	8695.4	8644.2	8548.4	8402.0	8216.8	8001.0	7747.7
30°	9173.1	9278.5	9337.8	9362.1	9337.8	9278.5	9173.1	9010.8	8803.1	8567.1	8294.7
27.5°	9779.0	9908.7	9998.1	10005.9	9998.1	9908.7	9779.0	9613.0	9394.0	9137.5	8840.2
25°	10365.8	10497.8	10589.6	10608.3	10589.6	10497.8	10365.8	10200.6	9975.6	9693.9	9376.4
22.5°	10944.2	11082.1	11166.8	11200.2	11166.8	11082.1	10944.2	10759.1	10510.0	10215.6	9879.1
20°	11496.3	11645.8	11735.6	11771.4	11735.6	11645.8	11496.3	11292.9	11018.4	10704.9	10348.8
17.5°	11995.7	12153.7	12264.6	12295.8	12264.6	12153.7	11995.7	11780.5	11492.9	11160.1	10776.0
15°	12435.3	12585.1	12690.4	12732.0	12690.4	12585.1	12435.3	12224.1	11932.5	11572.5	11146.0
12.5°	12793.0	12927.1	13009.6	13048.7	13009.6	12927.1	12793.0	12591.5	12323.5	11919.1	11471.2
10°	13072.5	13207.0	13285.8	13339.5	13285.8	13207.0	13072.5	12885.0	12585.7	12223.7	11783.4
7.5°	13315.2	13452.9	13549.3	13625.1	13549.3	13452.9	13315.2	13062.0	12795.1	12454.0	12009.5
5°	13449.0	13679.2	13713.7	13765.3	13713.7	13679.2	13449.0	13219.8	12928.7	12581.6	12147.7
2.5°	13551.2	13714.3	13812.5	13801.7	13812.5	13714.3	13551.2	13281.5	13002.7	12684.7	12264.6
0°	13625.1	13770.5	13806.8	13853.6	13806.8	13770.5	13625.1	13355.1	13064.3	12747.6	12311.4
-2.5°	13551.2	13714.3	13812.5	13801.7	13812.5	13714.3	13551.2	13281.5	13002.7	12684.7	12264.6
-5°	13449.0	13679.2	13713.7	13765.3	13713.7	13679.2	13449.0	13219.8	12928.7	12581.6	12147.7
-7.5°	13315.2	13452.9	13549.3	13625.1	13549.3	13452.9	13315.2	13062.0	12795.1	12454.0	12009.5
-10°	13072.5	13207.0	13285.8	13339.5	13285.8	13207.0	13072.5	12885.0	12585.7	12223.7	11783.4
-12.5°	12793.0	12927.1	13009.6	13048.7	13009.6	12927.1	12793.0	12591.5	12323.5	11919.1	11471.2
-15°	12435.3	12585.1	12690.4	12732.0	12690.4	12585.1	12435.3	12224.1	11932.5	11572.5	11146.0
-17.5°	11995.7	12153.7	12264.6	12295.8	12264.6	12153.7	11995.7	11780.5	11492.9	11160.1	10776.0
-20°	11496.3	11645.8	11735.6	11771.4	11735.6	11645.8	11496.3	11292.9	11018.4	10704.9	10348.8



REPORT NUMBER: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10944.2	11082.1	11166.8	11200.2	11166.8	11082.1	10944.2	10759.1	10510.0	10215.6	9879.1
-25°	10365.8	10497.8	10589.6	10608.3	10589.6	10497.8	10365.8	10200.6	9975.6	9693.9	9376.4
-27.5°	9779.0	9908.7	9998.1	10005.9	9998.1	9908.7	9779.0	9613.0	9394.0	9137.5	8840.2
-30°	9173.1	9278.5	9337.8	9362.1	9337.8	9278.5	9173.1	9010.8	8803.1	8567.1	8294.7
-32.5°	8548.4	8644.2	8695.4	8702.6	8695.4	8644.2	8548.4	8402.0	8216.8	8001.0	7747.7
-35°	7922.6	8011.1	8061.2	8058.8	8061.2	8011.1	7922.6	7797.8	7636.7	7440.4	7194.1
-37.5°	7305.4	7378.5	7414.5	7414.9	7414.5	7378.5	7305.4	7191.7	7034.3	6840.4	6631.5
-40°	6690.5	6763.9	6797.8	6781.4	6797.8	6763.9	6690.5	6584.6	6442.8	6272.6	6087.5
-42.5°	6091.0	6158.7	6187.3	6163.5	6187.3	6158.7	6091.0	5999.0	5878.7	5735.4	5571.2
-45°	5501.9	5554.0	5574.2	5561.2	5574.2	5554.0	5501.9	5422.8	5316.9	5190.9	5046.9
-47.5°	4923.1	4973.4	4992.9	4979.6	4992.9	4973.4	4923.1	4852.2	4761.7	4647.3	4507.0
-50°	4373.1	4410.9	4426.1	4418.8	4426.1	4410.9	4373.1	4316.8	4240.2	4142.8	4030.3
-52.5°	3854.9	3886.1	3897.1	3889.2	3897.1	3886.1	3854.9	3806.5	3740.3	3657.4	3560.8
-55°	3356.0	3384.9	3396.0	3390.7	3396.0	3384.9	3356.0	3312.7	3255.3	3187.7	3107.0
-57.5°	2884.2	2906.8	2912.0	2902.6	2912.0	2906.8	2884.2	2849.8	2803.6	2748.6	2681.5
-60°	2456.5	2474.1	2482.9	2482.0	2482.9	2474.1	2456.5	2429.5	2393.2	2348.3	2294.1
-62.5°	2061.1	2072.3	2078.4	2077.0	2078.4	2072.3	2061.1	2041.7	2014.5	1980.3	1940.6
-65°	1688.0	1692.0	1690.5	1682.4	1690.5	1692.0	1688.0	1677.4	1660.1	1638.5	1612.4
-67.5°	1362.0	1362.4	1368.2	1370.8	1368.2	1362.4	1362.0	1356.4	1345.4	1331.1	1314.3
-70°	1080.2	1078.5	1080.7	1080.0	1080.7	1078.5	1080.2	1079.0	1075.3	1070.1	1062.1
-72.5°	839.8	826.4	814.4	799.6	814.4	826.4	839.8	851.2	861.2	866.8	861.1
-75°	627.5	600.3	583.7	566.0	583.7	600.3	627.5	653.3	677.6	696.2	694.4
-77.5°	454.5	419.6	404.7	389.4	404.7	419.6	454.5	487.6	519.0	544.9	546.8
-80°	306.2	274.5	262.0	249.2	262.0	274.5	306.2	336.6	365.4	390.8	397.6
-82.5°	183.9	160.5	153.0	145.4	153.0	160.5	183.9	206.4	227.8	247.1	249.1
-85°	91.0	77.5	72.6	67.5	72.6	77.5	91.0	104.0	116.2	127.2	123.2
-87.5°	16.8	15.5	15.6	15.6	15.6	15.5	16.8	17.9	19.0	20.1	19.8
-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: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-VWR-XX

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°	19.5	19.2	18.9	18.4	18.0	17.5	17.0	16.5	15.9	15.3	14.7
85°	118.9	114.2	109.3	104.1	98.6	92.9	86.7	76.1	66.1	56.9	48.9
82.5°	249.6	248.5	244.9	230.9	216.6	202.3	187.3	164.9	143.0	121.6	102.9
80°	402.4	405.1	402.5	379.0	355.2	331.2	305.8	273.0	239.9	208.4	184.8
77.5°	548.0	548.6	544.2	520.8	495.2	467.1	435.0	395.7	356.2	316.4	286.0
75°	691.0	686.2	676.3	654.9	629.2	599.0	567.6	533.0	492.6	446.2	406.4
72.5°	852.8	841.9	826.6	805.5	780.5	753.9	721.3	683.0	640.8	594.4	552.4
70°	1049.5	1032.2	1009.2	980.6	952.4	923.0	888.0	846.0	796.7	745.5	698.7
67.5°	1292.5	1265.8	1233.3	1198.6	1163.7	1122.7	1075.7	1024.4	973.6	916.7	852.6
65°	1580.0	1541.3	1494.2	1449.4	1400.5	1347.3	1287.2	1227.7	1165.5	1097.3	1015.8
62.5°	1895.9	1846.8	1782.8	1717.9	1651.6	1583.2	1509.6	1436.5	1362.2	1281.7	1190.1
60°	2230.8	2157.7	2084.1	2003.6	1916.1	1824.4	1740.7	1651.8	1557.8	1466.8	1366.3
57.5°	2602.1	2512.1	2416.0	2313.3	2204.6	2097.4	1989.2	1877.3	1771.0	1660.1	1546.3
55°	3013.7	2907.5	2786.8	2654.3	2517.2	2392.9	2257.5	2121.9	1993.9	1859.3	1733.9
52.5°	3452.1	3324.9	3185.0	3034.6	2878.5	2717.0	2552.5	2396.7	2230.1	2077.7	1926.2
50°	3904.2	3758.4	3597.2	3424.3	3250.8	3063.6	2875.4	2688.1	2499.3	2312.4	2130.9
47.5°	4363.3	4205.5	4026.2	3835.0	3636.3	3427.3	3213.0	2987.8	2779.0	2562.2	2356.0
45°	4867.9	4673.2	4472.3	4261.7	4034.5	3803.9	3563.6	3317.0	3065.8	2827.4	2585.6
42.5°	5375.5	5156.5	4924.2	4692.6	4444.8	4186.5	3918.4	3646.7	3370.7	3095.7	2831.5
40°	5881.1	5644.2	5390.9	5126.1	4855.9	4571.4	4277.9	3975.6	3675.9	3373.6	3074.5
37.5°	6398.3	6142.3	5867.9	5576.3	5273.7	4958.5	4635.6	4308.4	3977.7	3652.4	3328.2
35°	6928.7	6648.5	6345.7	6027.2	5694.1	5349.1	4994.8	4636.5	4280.8	3929.0	3577.7
32.5°	7454.4	7150.8	6824.3	6475.8	6109.1	5733.5	5352.6	4965.7	4576.4	4200.7	3826.5
30°	7984.6	7648.4	7294.6	6918.1	6520.5	6111.6	5698.9	5289.0	4874.1	4460.7	4064.9
27.5°	8503.9	8137.0	7752.6	7345.6	6920.8	6482.1	6038.7	5601.2	5158.7	4719.1	4292.3
25°	9009.4	8613.2	8189.2	7754.4	7304.1	6836.4	6359.9	5897.0	5434.9	4964.5	4496.5
22.5°	9496.0	9062.2	8605.1	8140.0	7666.3	7174.9	6666.8	6167.9	5689.7	5184.6	4695.5
20°	9944.5	9478.9	8990.8	8500.8	7999.8	7497.1	6952.6	6422.0	5907.6	5389.0	4875.8
17.5°	10342.6	9869.5	9357.5	8841.1	8307.6	7778.3	7219.8	6653.2	6108.2	5570.6	5034.6
15°	10693.4	10220.7	9702.3	9157.7	8588.2	8010.0	7446.0	6857.5	6291.0	5731.2	5181.4
12.5°	11012.0	10517.1	9999.4	9423.5	8818.9	8215.7	7629.1	7036.5	6453.5	5878.1	5313.5
10°	11297.9	10759.9	10212.2	9628.5	9011.9	8389.3	7785.3	7187.1	6591.8	6003.9	5422.4
7.5°	11493.9	10940.1	10374.1	9792.4	9174.8	8542.5	7920.3	7308.0	6699.7	6104.1	5507.3
5°	11638.6	11082.3	10514.4	9924.6	9301.3	8656.8	8019.8	7395.7	6776.5	6177.4	5567.8
2.5°	11749.8	11179.5	10610.2	10007.3	9383.2	8734.0	8091.0	7461.7	6837.4	6231.1	5621.2
0°	11828.5	11215.8	10665.4	10073.4	9434.8	8780.5	8136.6	7503.2	6874.9	6257.0	5649.4
-2.5°	11749.8	11179.5	10610.2	10007.3	9383.2	8734.0	8091.0	7461.7	6837.4	6231.1	5621.2
-5°	11638.6	11082.3	10514.4	9924.6	9301.3	8656.8	8019.8	7395.7	6776.5	6177.4	5567.8
-7.5°	11493.9	10940.1	10374.1	9792.4	9174.8	8542.5	7920.3	7308.0	6699.7	6104.1	5507.3
-10°	11297.9	10759.9	10212.2	9628.5	9011.9	8389.3	7785.3	7187.1	6591.8	6003.9	5422.4
-12.5°	11012.0	10517.1	9999.4	9423.5	8818.9	8215.7	7629.1	7036.5	6453.5	5878.1	5313.5
-15°	10693.4	10220.7	9702.3	9157.7	8588.2	8010.0	7446.0	6857.5	6291.0	5731.2	5181.4
-17.5°	10342.6	9869.5	9357.5	8841.1	8307.6	7778.3	7219.8	6653.2	6108.2	5570.6	5034.6
-20°	9944.5	9478.9	8990.8	8500.8	7999.8	7497.1	6952.6	6422.0	5907.6	5389.0	4875.8



REPORT NUMBER: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9496.0	9062.2	8605.1	8140.0	7666.3	7174.9	6666.8	6167.9	5689.7	5184.6	4695.5
-25°	9009.4	8613.2	8189.2	7754.4	7304.1	6836.4	6359.9	5897.0	5434.9	4964.5	4496.5
-27.5°	8503.9	8137.0	7752.6	7345.6	6920.8	6482.1	6038.7	5601.2	5158.7	4719.1	4292.3
-30°	7984.6	7648.4	7294.6	6918.1	6520.5	6111.6	5698.9	5289.0	4874.1	4460.7	4064.9
-32.5°	7454.4	7150.8	6824.3	6475.8	6109.1	5733.5	5352.6	4965.7	4576.4	4200.7	3826.5
-35°	6928.7	6648.5	6345.7	6027.2	5694.1	5349.1	4994.8	4636.5	4280.8	3929.0	3577.7
-37.5°	6398.3	6142.3	5867.9	5576.3	5273.7	4958.5	4635.6	4308.4	3977.7	3652.4	3328.2
-40°	5881.1	5644.2	5390.9	5126.1	4855.9	4571.4	4277.9	3975.6	3675.9	3373.6	3074.5
-42.5°	5375.5	5156.5	4924.2	4692.6	4444.8	4186.5	3918.4	3646.7	3370.7	3095.7	2831.5
-45°	4867.9	4673.2	4472.3	4261.7	4034.5	3803.9	3563.6	3317.0	3065.8	2827.4	2585.6
-47.5°	4363.3	4205.5	4026.2	3835.0	3636.3	3427.3	3213.0	2987.8	2779.0	2562.2	2356.0
-50°	3904.2	3758.4	3597.2	3424.3	3250.8	3063.6	2875.4	2688.1	2499.3	2312.4	2130.9
-52.5°	3452.1	3324.9	3185.0	3034.6	2878.5	2717.0	2552.5	2396.7	2230.1	2077.7	1926.2
-55°	3013.7	2907.5	2786.8	2654.3	2517.2	2392.9	2257.5	2121.9	1993.9	1859.3	1733.9
-57.5°	2602.1	2512.1	2416.0	2313.3	2204.6	2097.4	1989.2	1877.3	1771.0	1660.1	1546.3
-60°	2230.8	2157.7	2084.1	2003.6	1916.1	1824.4	1740.7	1651.8	1557.8	1466.8	1366.3
-62.5°	1895.9	1846.8	1782.8	1717.9	1651.6	1583.2	1509.6	1436.5	1362.2	1281.7	1190.1
-65°	1580.0	1541.3	1494.2	1449.4	1400.5	1347.3	1287.2	1227.7	1165.5	1097.3	1015.8
-67.5°	1292.5	1265.8	1233.3	1198.6	1163.7	1122.7	1075.7	1024.4	973.6	916.7	852.6
-70°	1049.5	1032.2	1009.2	980.6	952.4	923.0	888.0	846.0	796.7	745.5	698.7
-72.5°	852.8	841.9	826.6	805.5	780.5	753.9	721.3	683.0	640.8	594.4	552.4
-75°	691.0	686.2	676.3	654.9	629.2	599.0	567.6	533.0	492.6	446.2	406.4
-77.5°	548.0	548.6	544.2	520.8	495.2	467.1	435.0	395.7	356.2	316.4	286.0
-80°	402.4	405.1	402.5	379.0	355.2	331.2	305.8	273.0	239.9	208.4	184.8
-82.5°	249.6	248.5	244.9	230.9	216.6	202.3	187.3	164.9	143.0	121.6	102.9
-85°	118.9	114.2	109.3	104.1	98.6	92.9	86.7	76.1	66.1	56.9	48.9
-87.5°	19.5	19.2	18.9	18.4	18.0	17.5	17.0	16.5	15.9	15.3	14.7
-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: P627401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-VWR-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°	14.9	15.0	15.0	14.9	13.3	11.7	10.2	8.8	8.0	7.1	6.3
85°	49.1	47.9	45.4	41.1	32.4	23.3	20.3	17.6	15.9	14.2	12.5
82.5°	102.6	103.6	103.5	100.4	88.6	76.2	63.2	49.7	36.8	23.4	18.7
80°	185.1	183.1	178.8	170.3	150.9	129.0	112.5	95.4	78.7	61.2	43.1
77.5°	279.9	271.9	262.1	251.0	230.4	206.3	178.5	147.0	120.3	98.9	76.5
75°	385.8	373.1	359.4	340.9	314.5	284.2	253.6	216.9	176.1	137.7	109.7
72.5°	518.7	487.9	460.3	434.4	405.7	371.9	333.0	285.6	236.1	189.3	145.4
70°	653.2	607.0	565.7	530.4	495.9	460.5	417.7	359.4	294.9	239.8	188.2
67.5°	789.8	735.2	679.9	627.1	583.5	541.8	500.5	432.7	358.9	289.3	229.9
65°	940.6	867.6	797.5	732.2	673.1	621.0	572.5	501.4	420.9	342.7	270.6
62.5°	1095.9	1002.9	919.8	836.5	762.8	699.5	641.3	562.8	480.2	394.3	313.1
60°	1259.2	1153.2	1042.8	945.6	855.2	775.1	704.6	623.4	535.7	444.0	355.2
57.5°	1431.1	1306.5	1182.5	1059.6	951.1	855.0	766.2	680.8	590.3	493.0	394.5
55°	1605.3	1471.1	1324.4	1185.9	1052.8	938.4	831.4	735.9	642.9	541.1	428.5
52.5°	1779.7	1632.3	1474.9	1314.8	1165.9	1022.7	903.2	789.6	691.4	588.2	463.8
50°	1962.2	1793.2	1624.5	1451.5	1278.3	1121.5	972.5	851.2	738.5	632.9	497.3
47.5°	2152.0	1963.7	1776.0	1587.0	1401.3	1216.0	1053.4	911.4	784.0	673.3	528.4
45°	2360.2	2139.9	1932.1	1727.8	1517.7	1318.1	1135.3	969.2	835.5	704.8	557.1
42.5°	2568.2	2326.0	2093.8	1866.4	1639.6	1419.5	1212.9	1037.1	884.8	735.0	583.5
40°	2789.4	2512.6	2255.2	2008.6	1758.6	1516.0	1298.9	1103.3	931.0	766.3	608.6
37.5°	3004.4	2704.0	2421.1	2144.3	1875.3	1620.2	1381.6	1165.3	974.8	801.4	632.3
35°	3232.1	2896.2	2574.5	2280.9	1995.3	1719.0	1459.0	1227.9	1025.3	835.7	654.6
32.5°	3452.0	3084.1	2739.1	2415.6	2110.0	1812.2	1538.6	1294.1	1073.8	868.9	675.5
30°	3668.2	3272.8	2896.9	2543.0	2221.1	1909.9	1618.4	1356.1	1120.2	901.0	696.4
27.5°	3867.5	3447.5	3048.0	2674.7	2330.2	2002.6	1693.8	1413.5	1164.2	934.0	720.7
25°	4053.2	3615.6	3197.1	2801.4	2431.5	2090.4	1763.3	1466.6	1209.0	968.5	743.3
22.5°	4227.3	3771.7	3332.2	2918.2	2525.3	2171.0	1831.0	1523.2	1251.4	1000.2	763.9
20°	4385.6	3912.3	3453.2	3024.0	2616.6	2247.8	1896.1	1573.9	1289.3	1029.0	782.5
17.5°	4528.2	4040.8	3568.7	3122.9	2701.6	2316.1	1954.0	1618.7	1322.5	1054.6	798.9
15°	4660.6	4157.5	3670.8	3209.2	2775.2	2375.5	2004.4	1657.2	1351.0	1076.9	814.5
12.5°	4774.4	4257.7	3757.4	3282.5	2837.1	2425.8	2047.0	1689.5	1374.7	1097.0	829.2
10°	4868.0	4340.5	3828.1	3342.5	2887.3	2466.8	2081.6	1716.7	1396.9	1114.4	840.5
7.5°	4941.0	4405.3	3882.6	3388.7	2927.1	2501.0	2111.1	1740.2	1414.8	1127.8	848.4
5°	4996.3	4455.9	3930.0	3427.5	2963.7	2528.6	2132.5	1757.1	1427.8	1137.0	852.9
2.5°	5045.4	4493.9	3967.2	3452.6	2988.5	2546.6	2145.4	1767.2	1435.6	1141.9	854.0
0°	5073.1	4512.3	3987.8	3463.4	3001.3	2554.7	2149.7	1770.6	1438.3	1142.3	851.6
-2.5°	5045.4	4493.9	3967.2	3452.6	2988.5	2546.6	2145.4	1767.2	1435.6	1141.9	854.0
-5°	4996.3	4455.9	3930.0	3427.5	2963.7	2528.6	2132.5	1757.1	1427.8	1137.0	852.9
-7.5°	4941.0	4405.3	3882.6	3388.7	2927.1	2501.0	2111.1	1740.2	1414.8	1127.8	848.4
-10°	4868.0	4340.5	3828.1	3342.5	2887.3	2466.8	2081.6	1716.7	1396.9	1114.4	840.5
-12.5°	4774.4	4257.7	3757.4	3282.5	2837.1	2425.8	2047.0	1689.5	1374.7	1097.0	829.2
-15°	4660.6	4157.5	3670.8	3209.2	2775.2	2375.5	2004.4	1657.2	1351.0	1076.9	814.5
-17.5°	4528.2	4040.8	3568.7	3122.9	2701.6	2316.1	1954.0	1618.7	1322.5	1054.6	798.9
-20°	4385.6	3912.3	3453.2	3024.0	2616.6	2247.8	1896.1	1573.9	1289.3	1029.0	782.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4227.3	3771.7	3332.2	2918.2	2525.3	2171.0	1831.0	1523.2	1251.4	1000.2	763.9
-25°	4053.2	3615.6	3197.1	2801.4	2431.5	2090.4	1763.3	1466.6	1209.0	968.5	743.3
-27.5°	3867.5	3447.5	3048.0	2674.7	2330.2	2002.6	1693.8	1413.5	1164.2	934.0	720.7
-30°	3668.2	3272.8	2896.9	2543.0	2221.1	1909.9	1618.4	1356.1	1120.2	901.0	696.4
-32.5°	3452.0	3084.1	2739.1	2415.6	2110.0	1812.2	1538.6	1294.1	1073.8	868.9	675.5
-35°	3232.1	2896.2	2574.5	2280.9	1995.3	1719.0	1459.0	1227.9	1025.3	835.7	654.6
-37.5°	3004.4	2704.0	2421.1	2144.3	1875.3	1620.2	1381.6	1165.3	974.8	801.4	632.3
-40°	2789.4	2512.6	2255.2	2008.6	1758.6	1516.0	1298.9	1103.3	931.0	766.3	608.6
-42.5°	2568.2	2326.0	2093.8	1866.4	1639.6	1419.5	1212.9	1037.1	884.8	735.0	583.5
-45°	2360.2	2139.9	1932.1	1727.8	1517.7	1318.1	1135.3	969.2	835.5	704.8	557.1
-47.5°	2152.0	1963.7	1776.0	1587.0	1401.3	1216.0	1053.4	911.4	784.0	673.3	528.4
-50°	1962.2	1793.2	1624.5	1451.5	1278.3	1121.5	972.5	851.2	738.5	632.9	497.3
-52.5°	1779.7	1632.3	1474.9	1314.8	1165.9	1022.7	903.2	789.6	691.4	588.2	463.8
-55°	1605.3	1471.1	1324.4	1185.9	1052.8	938.4	831.4	735.9	642.9	541.1	428.5
-57.5°	1431.1	1306.5	1182.5	1059.6	951.1	855.0	766.2	680.8	590.3	493.0	394.5
-60°	1259.2	1153.2	1042.8	945.6	855.2	775.1	704.6	623.4	535.7	444.0	355.2
-62.5°	1095.9	1002.9	919.8	836.5	762.8	699.5	641.3	562.8	480.2	394.3	313.1
-65°	940.6	867.6	797.5	732.2	673.1	621.0	572.5	501.4	420.9	342.7	270.6
-67.5°	789.8	735.2	679.9	627.1	583.5	541.8	500.5	432.7	358.9	289.3	229.9
-70°	653.2	607.0	565.7	530.4	495.9	460.5	417.7	359.4	294.9	239.8	188.2
-72.5°	518.7	487.9	460.3	434.4	405.7	371.9	333.0	285.6	236.1	189.3	145.4
-75°	385.8	373.1	359.4	340.9	314.5	284.2	253.6	216.9	176.1	137.7	109.7
-77.5°	279.9	271.9	262.1	251.0	230.4	206.3	178.5	147.0	120.3	98.9	76.5
-80°	185.1	183.1	178.8	170.3	150.9	129.0	112.5	95.4	78.7	61.2	43.1
-82.5°	102.6	103.6	103.5	100.4	88.6	76.2	63.2	49.7	36.8	23.4	18.7
-85°	49.1	47.9	45.4	41.1	32.4	23.3	20.3	17.6	15.9	14.2	12.5
-87.5°	14.9	15.0	15.0	14.9	13.3	11.7	10.2	8.8	8.0	7.1	6.3
-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°	5.4	4.5	3.6	2.7	1.8	0.8	0.0
85°	10.8	9.0	7.2	5.4	3.6	1.6	0.0
82.5°	16.1	13.5	10.8	8.1	5.4	2.4	0.0
80°	24.2	17.9	14.4	10.8	7.2	3.2	0.0
77.5°	52.7	28.1	17.9	13.5	8.9	3.9	0.0
75°	80.6	48.6	23.3	16.1	10.7	4.7	0.0
72.5°	107.5	68.5	37.2	18.7	12.4	5.4	0.0
70°	134.5	87.6	50.6	22.4	14.0	6.2	0.0
67.5°	166.8	106.0	63.5	30.7	15.6	6.9	0.0
65°	197.8	126.6	75.7	38.7	17.2	7.6	0.0
62.5°	227.1	149.2	87.4	46.2	18.6	8.3	0.0
60°	254.8	170.5	98.3	53.4	20.1	8.9	0.0
57.5°	284.0	190.5	112.9	60.2	24.1	9.6	0.0
55°	311.6	209.2	126.8	66.5	28.1	10.2	0.0
52.5°	337.2	226.9	139.8	72.3	31.9	10.8	0.0
50°	360.6	245.6	151.7	77.6	35.5	11.3	0.0
47.5°	382.6	262.8	162.6	83.2	39.0	11.8	0.0
45°	407.0	278.3	172.3	90.4	42.3	12.3	0.0
42.5°	429.4	292.0	181.0	96.9	45.4	12.8	0.0
40°	449.7	304.1	189.7	103.6	48.3	13.2	0.0
37.5°	467.8	314.3	198.3	110.2	51.0	13.6	0.0
35°	483.9	326.2	205.7	116.3	53.6	14.0	0.0
32.5°	498.7	338.0	211.9	122.0	55.9	14.3	0.0
30°	514.2	348.2	216.8	127.2	58.1	14.6	0.0
27.5°	528.0	356.6	224.2	131.9	60.0	14.9	0.0
25°	540.2	363.2	231.2	136.1	61.7	15.1	0.0
22.5°	550.6	369.9	237.3	139.8	63.3	15.3	0.0
20°	559.3	379.1	242.6	143.0	64.6	15.5	0.0
17.5°	570.0	386.6	247.0	145.7	65.7	15.6	0.0
15°	581.2	392.5	250.6	147.9	66.6	15.7	0.0
12.5°	590.4	396.7	253.3	149.6	67.2	15.8	0.0
10°	597.3	399.3	255.2	150.8	67.7	15.8	0.0
7.5°	602.0	400.3	256.2	151.5	68.0	15.8	0.0
5°	604.5	399.9	256.5	151.7	68.0	15.8	0.0
2.5°	604.6	397.9	255.8	151.4	67.9	15.7	0.0
0°	602.3	394.6	254.4	150.6	67.5	15.6	0.0
-2.5°	604.6	397.9	255.8	151.4	67.9	15.7	0.0
-5°	604.5	399.9	256.5	151.7	68.0	15.8	0.0
-7.5°	602.0	400.3	256.2	151.5	68.0	15.8	0.0
-10°	597.3	399.3	255.2	150.8	67.7	15.8	0.0
-12.5°	590.4	396.7	253.3	149.6	67.2	15.8	0.0
-15°	581.2	392.5	250.6	147.9	66.6	15.7	0.0
-17.5°	570.0	386.6	247.0	145.7	65.7	15.6	0.0
-20°	559.3	379.1	242.6	143.0	64.6	15.5	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	550.6	369.9	237.3	139.8	63.3	15.3	0.0
-25°	540.2	363.2	231.2	136.1	61.7	15.1	0.0
-27.5°	528.0	356.6	224.2	131.9	60.0	14.9	0.0
-30°	514.2	348.2	216.8	127.2	58.1	14.6	0.0
-32.5°	498.7	338.0	211.9	122.0	55.9	14.3	0.0
-35°	483.9	326.2	205.7	116.3	53.6	14.0	0.0
-37.5°	467.8	314.3	198.3	110.2	51.0	13.6	0.0
-40°	449.7	304.1	189.7	103.6	48.3	13.2	0.0
-42.5°	429.4	292.0	181.0	96.9	45.4	12.8	0.0
-45°	407.0	278.3	172.3	90.4	42.3	12.3	0.0
-47.5°	382.6	262.8	162.6	83.2	39.0	11.8	0.0
-50°	360.6	245.6	151.7	77.6	35.5	11.3	0.0
-52.5°	337.2	226.9	139.8	72.3	31.9	10.8	0.0
-55°	311.6	209.2	126.8	66.5	28.1	10.2	0.0
-57.5°	284.0	190.5	112.9	60.2	24.1	9.6	0.0
-60°	254.8	170.5	98.3	53.4	20.1	8.9	0.0
-62.5°	227.1	149.2	87.4	46.2	18.6	8.3	0.0
-65°	197.8	126.6	75.7	38.7	17.2	7.6	0.0
-67.5°	166.8	106.0	63.5	30.7	15.6	6.9	0.0
-70°	134.5	87.6	50.6	22.4	14.0	6.2	0.0
-72.5°	107.5	68.5	37.2	18.7	12.4	5.4	0.0
-75°	80.6	48.6	23.3	16.1	10.7	4.7	0.0
-77.5°	52.7	28.1	17.9	13.5	8.9	3.9	0.0
-80°	24.2	17.9	14.4	10.8	7.2	3.2	0.0
-82.5°	16.1	13.5	10.8	8.1	5.4	2.4	0.0
-85°	10.8	9.0	7.2	5.4	3.6	1.6	0.0
-87.5°	5.4	4.5	3.6	2.7	1.8	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)