

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: P626791 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626791 (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-SA1E-730-U-VWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N21
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

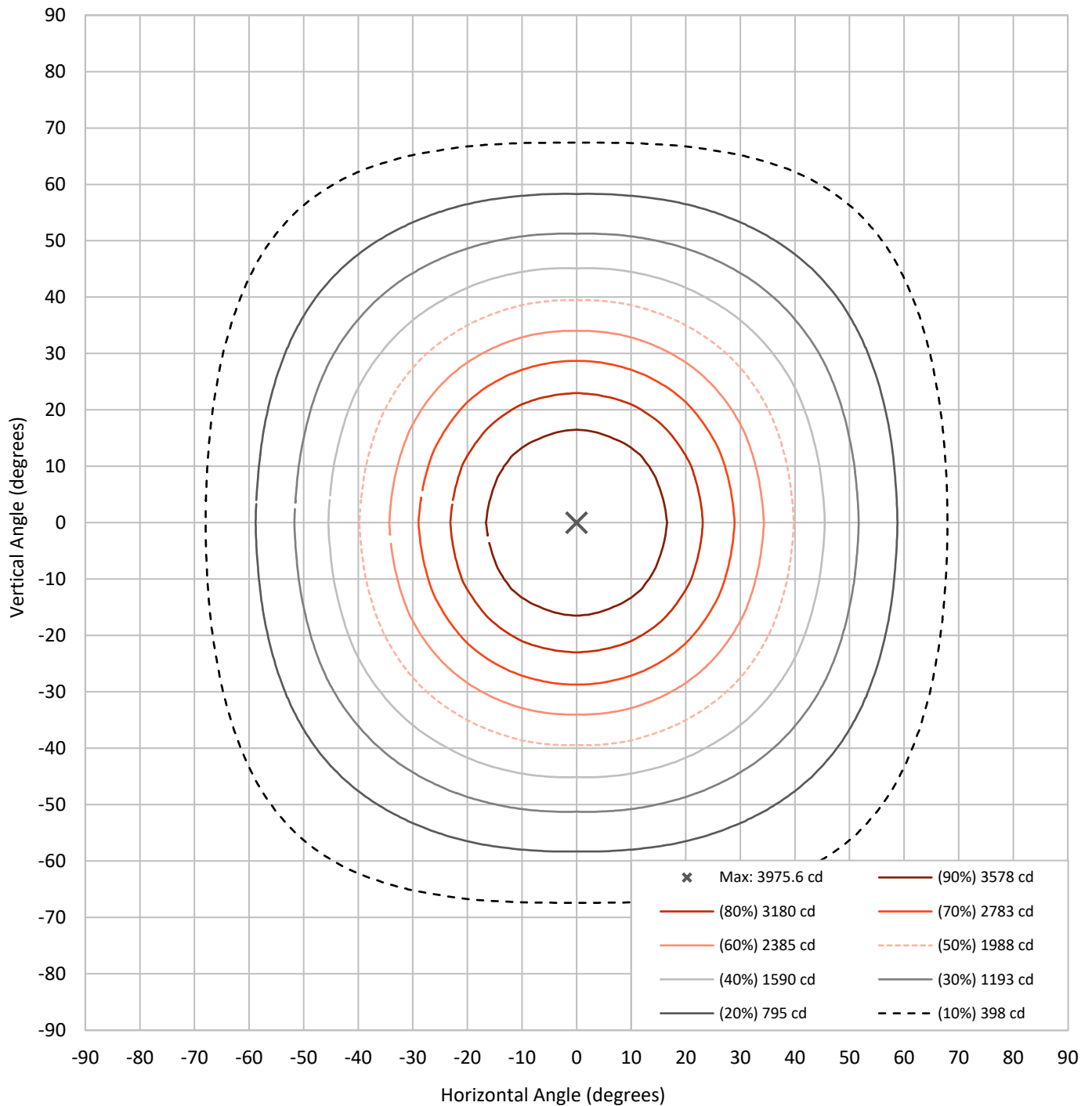
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7185.6 lumens	Max Intensity:	3975.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.5 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' 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:	4214.4 lumens	Field Lumens:	6850.2 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	66.2		
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		



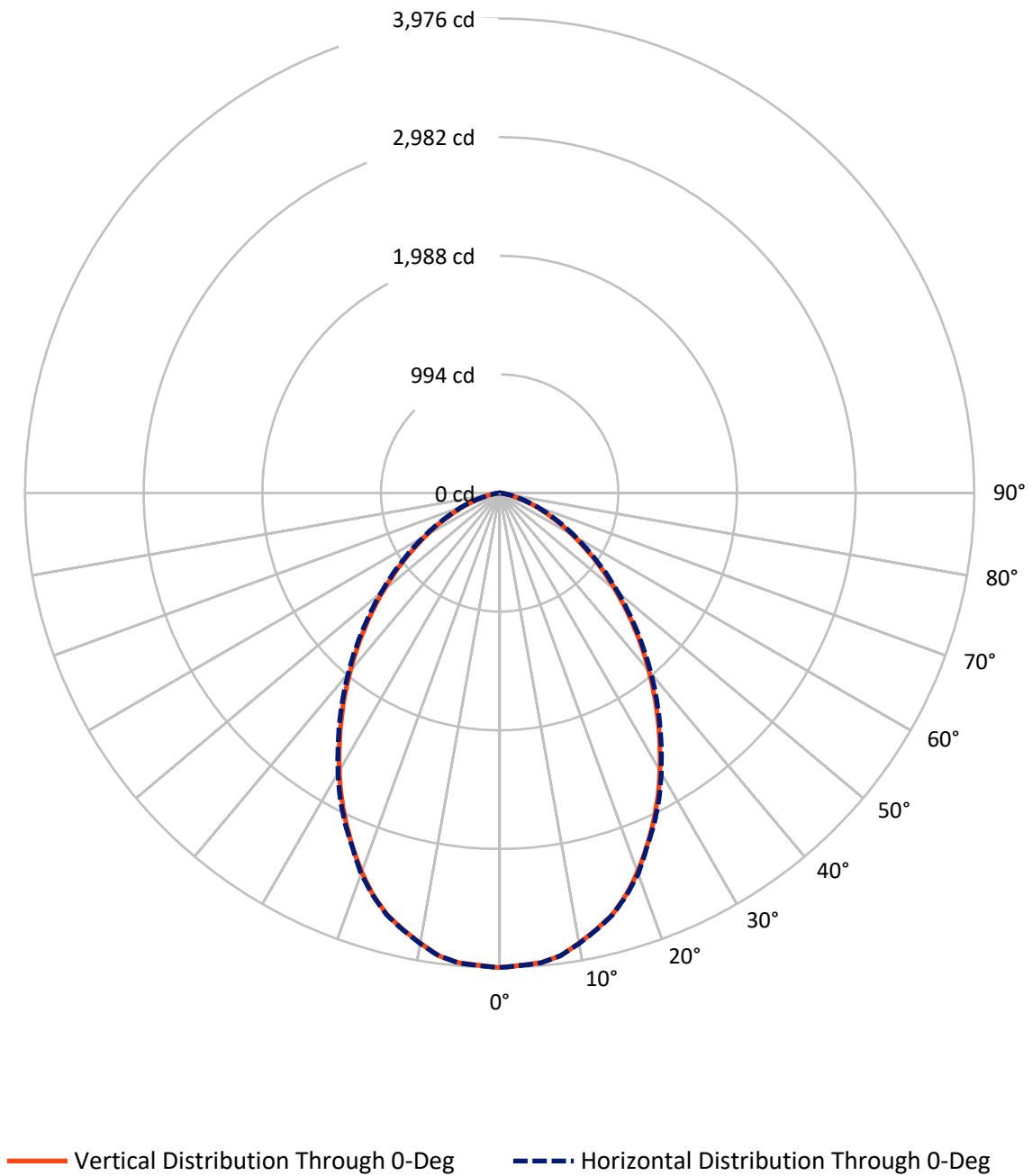
REPORT NUMBER: P626791 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



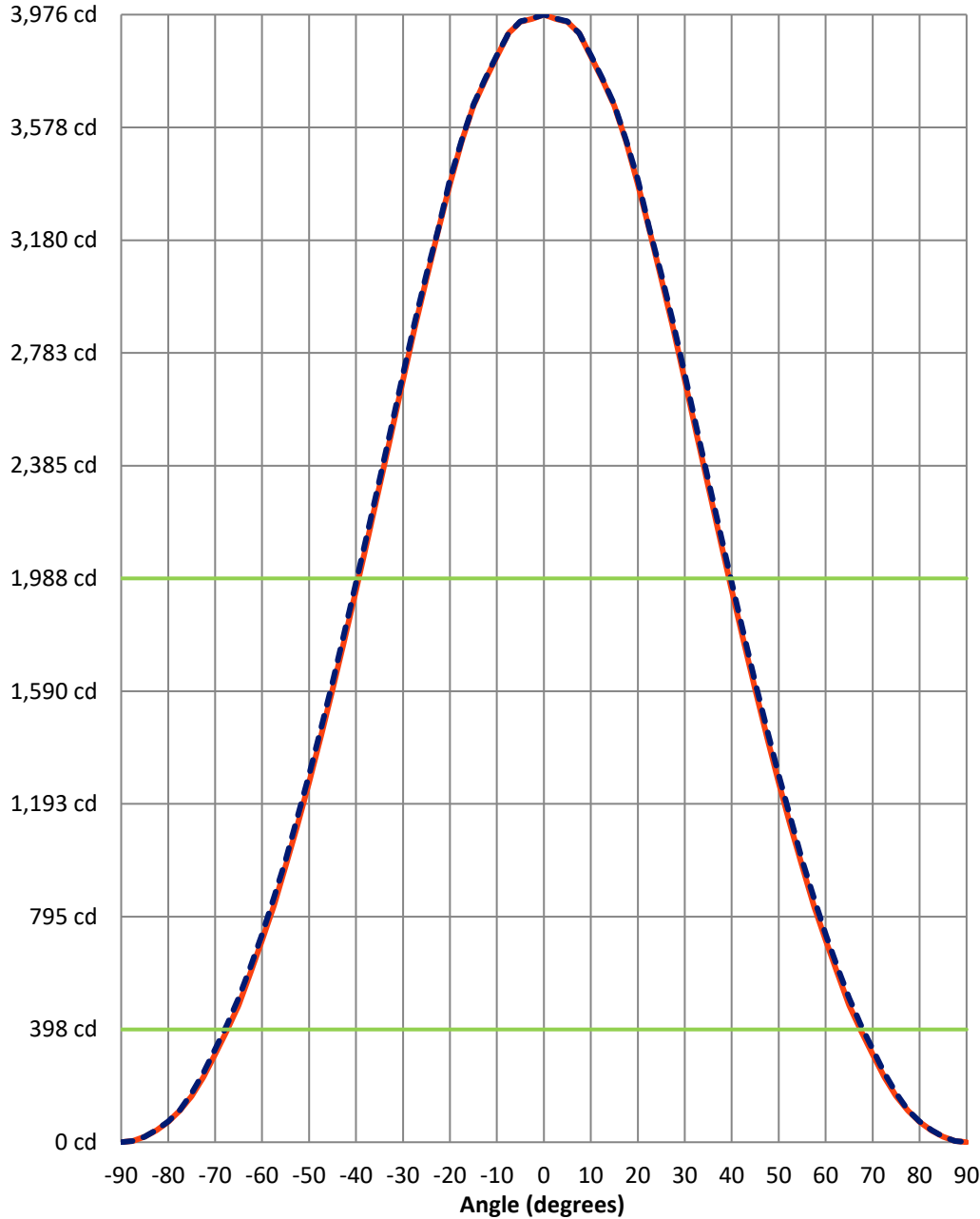
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 4214.4
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 6850.2
 Efficiency: 95.3%

Spill:
 Lumens: 335.4
 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	0.2	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
82.5°	0.0	0.7	1.6	2.3	3.1	3.9	4.6	5.4	6.8	10.6	14.3
80°	0.0	0.9	2.1	3.1	4.1	5.2	7.0	12.4	17.6	22.6	27.4
77.5°	0.0	1.1	2.6	3.9	5.2	8.1	15.1	22.0	28.4	34.6	42.2
75°	0.0	1.4	3.1	4.6	6.7	14.0	23.1	31.5	39.5	50.5	62.3
72.5°	0.0	1.6	3.6	5.4	10.7	19.7	30.8	41.7	54.3	67.7	81.9
70°	0.0	1.8	4.0	6.5	14.5	25.2	38.6	54.0	68.8	84.6	103.1
67.5°	0.0	2.0	4.5	8.8	18.2	30.4	47.9	66.0	83.0	103.0	124.2
65°	0.0	2.2	4.9	11.1	21.8	36.3	56.8	77.7	98.4	120.8	143.9
62.5°	0.0	2.4	5.4	13.3	25.1	42.8	65.2	89.9	113.2	137.8	161.5
60°	0.0	2.6	5.8	15.4	28.2	48.9	73.2	102.0	127.4	153.8	178.9
57.5°	0.0	2.8	7.0	17.3	32.4	54.7	81.5	113.3	141.5	169.4	195.4
55°	0.0	2.9	8.1	19.1	36.4	60.0	89.5	123.0	155.3	184.5	211.2
52.5°	0.0	3.1	9.2	20.8	40.1	65.1	96.8	133.1	168.8	198.4	226.6
50°	0.0	3.3	10.2	22.3	43.5	70.5	103.5	142.7	181.6	211.9	244.3
47.5°	0.0	3.4	11.2	23.9	46.7	75.4	109.8	151.6	193.2	225.0	261.6
45°	0.0	3.6	12.2	26.0	49.5	79.9	116.8	159.9	202.2	239.8	278.1
42.5°	0.0	3.7	13.1	27.8	51.9	83.8	123.2	167.4	210.9	253.9	297.6
40°	0.0	3.8	13.9	29.8	54.4	87.3	129.1	174.6	219.9	267.2	316.6
37.5°	0.0	3.9	14.7	31.7	56.9	90.2	134.3	181.4	230.0	279.8	334.4
35°	0.0	4.0	15.4	33.4	59.0	93.6	138.9	187.8	239.8	294.3	352.4
32.5°	0.0	4.1	16.1	35.0	60.8	97.0	143.1	193.8	249.4	308.2	371.4
30°	0.0	4.2	16.7	36.5	62.2	99.9	147.6	199.8	258.6	321.5	389.2
27.5°	0.0	4.3	17.3	37.9	64.4	102.3	151.5	206.8	268.1	334.1	405.6
25°	0.0	4.4	17.8	39.1	66.4	104.3	155.0	213.3	277.9	346.9	420.9
22.5°	0.0	4.4	18.2	40.1	68.1	106.2	158.0	219.2	287.0	359.1	437.1
20°	0.0	4.5	18.6	41.1	69.6	108.8	160.5	224.6	295.3	370.0	451.7
17.5°	0.0	4.5	18.9	41.8	70.9	111.0	163.6	229.2	302.6	379.5	464.5
15°	0.0	4.5	19.1	42.5	71.9	112.6	166.8	233.7	309.0	387.7	475.6
12.5°	0.0	4.6	19.3	42.9	72.7	113.8	169.4	237.9	314.8	394.5	484.8
10°	0.0	4.6	19.5	43.3	73.2	114.6	171.4	241.2	319.8	400.9	492.7
7.5°	0.0	4.6	19.5	43.5	73.5	114.9	172.8	243.5	323.7	406.1	499.4
5°	0.0	4.5	19.5	43.5	73.6	114.7	173.5	244.8	326.3	409.8	504.2
2.5°	0.0	4.5	19.5	43.4	73.4	114.2	173.5	245.1	327.7	412.0	507.1
0°	0.0	4.5	19.4	43.2	73.0	113.2	172.9	244.4	327.8	412.8	508.1
-2.5°	0.0	4.5	19.5	43.4	73.4	114.2	173.5	245.1	327.7	412.0	507.1
-5°	0.0	4.5	19.5	43.5	73.6	114.7	173.5	244.8	326.3	409.8	504.2
-7.5°	0.0	4.6	19.5	43.5	73.5	114.9	172.8	243.5	323.7	406.1	499.4
-10°	0.0	4.6	19.5	43.3	73.2	114.6	171.4	241.2	319.8	400.9	492.7
-12.5°	0.0	4.6	19.3	42.9	72.7	113.8	169.4	237.9	314.8	394.5	484.8
-15°	0.0	4.5	19.1	42.5	71.9	112.6	166.8	233.7	309.0	387.7	475.6
-17.5°	0.0	4.5	18.9	41.8	70.9	111.0	163.6	229.2	302.6	379.5	464.5
-20°	0.0	4.5	18.6	41.1	69.6	108.8	160.5	224.6	295.3	370.0	451.7

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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	4.4	18.2	40.1	68.1	106.2	158.0	219.2	287.0	359.1	437.1
-25°	0.0	4.4	17.8	39.1	66.4	104.3	155.0	213.3	277.9	346.9	420.9
-27.5°	0.0	4.3	17.3	37.9	64.4	102.3	151.5	206.8	268.1	334.1	405.6
-30°	0.0	4.2	16.7	36.5	62.2	99.9	147.6	199.8	258.6	321.5	389.2
-32.5°	0.0	4.1	16.1	35.0	60.8	97.0	143.1	193.8	249.4	308.2	371.4
-35°	0.0	4.0	15.4	33.4	59.0	93.6	138.9	187.8	239.8	294.3	352.4
-37.5°	0.0	3.9	14.7	31.7	56.9	90.2	134.3	181.4	230.0	279.8	334.4
-40°	0.0	3.8	13.9	29.8	54.4	87.3	129.1	174.6	219.9	267.2	316.6
-42.5°	0.0	3.7	13.1	27.8	51.9	83.8	123.2	167.4	210.9	253.9	297.6
-45°	0.0	3.6	12.2	26.0	49.5	79.9	116.8	159.9	202.2	239.8	278.1
-47.5°	0.0	3.4	11.2	23.9	46.7	75.4	109.8	151.6	193.2	225.0	261.6
-50°	0.0	3.3	10.2	22.3	43.5	70.5	103.5	142.7	181.6	211.9	244.3
-52.5°	0.0	3.1	9.2	20.8	40.1	65.1	96.8	133.1	168.8	198.4	226.6
-55°	0.0	2.9	8.1	19.1	36.4	60.0	89.5	123.0	155.3	184.5	211.2
-57.5°	0.0	2.8	7.0	17.3	32.4	54.7	81.5	113.3	141.5	169.4	195.4
-60°	0.0	2.6	5.8	15.4	28.2	48.9	73.2	102.0	127.4	153.8	178.9
-62.5°	0.0	2.4	5.4	13.3	25.1	42.8	65.2	89.9	113.2	137.8	161.5
-65°	0.0	2.2	4.9	11.1	21.8	36.3	56.8	77.7	98.4	120.8	143.9
-67.5°	0.0	2.0	4.5	8.8	18.2	30.4	47.9	66.0	83.0	103.0	124.2
-70°	0.0	1.8	4.0	6.5	14.5	25.2	38.6	54.0	68.8	84.6	103.1
-72.5°	0.0	1.6	3.6	5.4	10.7	19.7	30.8	41.7	54.3	67.7	81.9
-75°	0.0	1.4	3.1	4.6	6.7	14.0	23.1	31.5	39.5	50.5	62.3
-77.5°	0.0	1.1	2.6	3.9	5.2	8.1	15.1	22.0	28.4	34.6	42.2
-80°	0.0	0.9	2.1	3.1	4.1	5.2	7.0	12.4	17.6	22.6	27.4
-82.5°	0.0	0.7	1.6	2.3	3.1	3.9	4.6	5.4	6.8	10.6	14.3
-85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-87.5°	0.0	0.2	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
-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: P626791 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-U-VWR-XX

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°	2.9	3.4	3.8	4.3	4.3	4.3	4.3	4.2	4.4	4.6	4.8
85°	5.9	6.7	9.3	11.8	13.0	13.8	14.1	14.0	16.3	19.0	21.9
82.5°	18.2	21.9	25.5	28.9	29.7	29.7	29.4	29.5	34.9	41.0	47.3
80°	32.3	37.1	43.3	48.9	51.3	52.6	53.1	53.0	59.8	68.8	78.4
77.5°	51.2	59.2	66.1	72.1	75.2	78.0	80.3	82.1	90.8	102.2	113.5
75°	72.8	81.5	90.2	97.8	103.1	107.1	110.7	116.6	128.0	141.3	152.9
72.5°	95.5	106.7	116.4	124.7	132.1	140.0	148.8	158.5	170.6	183.9	196.0
70°	119.9	132.2	142.3	152.2	162.4	174.2	187.5	200.5	213.9	228.6	242.7
67.5°	143.7	155.5	167.5	180.0	195.2	211.0	226.7	244.7	263.0	279.4	293.9
65°	164.3	178.2	193.2	210.2	228.9	249.0	269.9	291.5	314.9	334.4	352.3
62.5°	184.1	200.8	219.0	240.1	264.0	287.8	314.5	341.5	367.8	390.9	412.2
60°	202.2	222.5	245.5	271.4	299.3	331.0	361.4	392.1	420.9	447.0	474.0
57.5°	219.9	245.4	273.0	304.1	339.4	375.0	410.7	443.7	476.4	508.3	538.8
55°	238.6	269.3	302.1	340.3	380.1	422.2	460.7	497.6	533.6	572.2	608.9
52.5°	259.2	293.5	334.6	377.3	423.3	468.4	510.8	552.8	596.2	639.9	687.8
50°	279.1	321.8	366.8	416.6	466.2	514.6	563.1	611.5	663.6	717.2	771.4
47.5°	302.3	348.9	402.1	455.5	509.7	563.6	617.6	676.1	735.3	797.5	857.4
45°	325.8	378.2	435.6	495.9	554.5	614.1	677.3	742.0	811.4	879.8	951.9
42.5°	348.1	407.4	470.6	535.7	600.9	667.5	737.0	812.6	888.4	967.3	1046.5
40°	372.7	435.1	504.7	576.4	647.2	721.1	800.5	882.3	968.2	1054.9	1140.9
37.5°	396.5	465.0	538.2	615.4	694.8	776.0	862.2	955.1	1048.2	1141.5	1236.4
35°	418.7	493.3	572.6	654.6	738.8	831.1	927.5	1026.7	1127.5	1228.5	1330.5
32.5°	441.6	520.1	605.5	693.2	786.1	885.0	990.6	1098.1	1205.5	1313.3	1425.0
30°	464.5	548.1	637.4	729.8	831.3	939.2	1052.7	1166.6	1280.1	1398.7	1517.8
27.5°	486.1	574.7	668.7	767.6	874.7	989.3	1109.9	1231.8	1354.3	1480.4	1607.4
25°	506.0	599.9	697.8	803.9	917.5	1037.6	1163.2	1290.4	1424.7	1559.7	1692.3
22.5°	525.5	623.0	724.7	837.4	956.3	1082.4	1213.1	1347.5	1487.8	1632.8	1770.0
20°	544.1	645.1	750.9	867.8	991.0	1122.7	1258.5	1399.3	1546.5	1695.3	1842.9
17.5°	560.8	664.7	775.3	896.2	1024.1	1159.6	1299.5	1444.8	1598.6	1752.9	1909.3
15°	575.2	681.7	796.4	920.9	1053.4	1193.1	1337.5	1486.9	1644.7	1805.3	1967.9
12.5°	587.4	696.2	814.2	942.0	1078.3	1221.8	1370.1	1524.8	1686.9	1852.0	2019.3
10°	597.4	707.9	828.6	959.2	1098.6	1245.6	1397.0	1556.1	1722.9	1891.7	2062.5
7.5°	605.8	717.7	840.0	972.5	1114.2	1264.2	1417.9	1580.4	1751.7	1922.6	2097.2
5°	612.0	725.7	850.5	983.6	1127.8	1278.7	1433.8	1597.8	1772.7	1944.7	2122.4
2.5°	615.7	730.8	857.6	990.8	1138.5	1289.6	1447.9	1613.1	1788.1	1962.2	2141.3
0°	616.9	733.1	861.3	993.9	1144.4	1294.9	1455.8	1621.2	1795.6	1972.9	2153.2
-2.5°	615.7	730.8	857.6	990.8	1138.5	1289.6	1447.9	1613.1	1788.1	1962.2	2141.3
-5°	612.0	725.7	850.5	983.6	1127.8	1278.7	1433.8	1597.8	1772.7	1944.7	2122.4
-7.5°	605.8	717.7	840.0	972.5	1114.2	1264.2	1417.9	1580.4	1751.7	1922.6	2097.2
-10°	597.4	707.9	828.6	959.2	1098.6	1245.6	1397.0	1556.1	1722.9	1891.7	2062.5
-12.5°	587.4	696.2	814.2	942.0	1078.3	1221.8	1370.1	1524.8	1686.9	1852.0	2019.3
-15°	575.2	681.7	796.4	920.9	1053.4	1193.1	1337.5	1486.9	1644.7	1805.3	1967.9
-17.5°	560.8	664.7	775.3	896.2	1024.1	1159.6	1299.5	1444.8	1598.6	1752.9	1909.3
-20°	544.1	645.1	750.9	867.8	991.0	1122.7	1258.5	1399.3	1546.5	1695.3	1842.9

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	525.5	623.0	724.7	837.4	956.3	1082.4	1213.1	1347.5	1487.8	1632.8	1770.0
-25°	506.0	599.9	697.8	803.9	917.5	1037.6	1163.2	1290.4	1424.7	1559.7	1692.3
-27.5°	486.1	574.7	668.7	767.6	874.7	989.3	1109.9	1231.8	1354.3	1480.4	1607.4
-30°	464.5	548.1	637.4	729.8	831.3	939.2	1052.7	1166.6	1280.1	1398.7	1517.8
-32.5°	441.6	520.1	605.5	693.2	786.1	885.0	990.6	1098.1	1205.5	1313.3	1425.0
-35°	418.7	493.3	572.6	654.6	738.8	831.1	927.5	1026.7	1127.5	1228.5	1330.5
-37.5°	396.5	465.0	538.2	615.4	694.8	776.0	862.2	955.1	1048.2	1141.5	1236.4
-40°	372.7	435.1	504.7	576.4	647.2	721.1	800.5	882.3	968.2	1054.9	1140.9
-42.5°	348.1	407.4	470.6	535.7	600.9	667.5	737.0	812.6	888.4	967.3	1046.5
-45°	325.8	378.2	435.6	495.9	554.5	614.1	677.3	742.0	811.4	879.8	951.9
-47.5°	302.3	348.9	402.1	455.5	509.7	563.6	617.6	676.1	735.3	797.5	857.4
-50°	279.1	321.8	366.8	416.6	466.2	514.6	563.1	611.5	663.6	717.2	771.4
-52.5°	259.2	293.5	334.6	377.3	423.3	468.4	510.8	552.8	596.2	639.9	687.8
-55°	238.6	269.3	302.1	340.3	380.1	422.2	460.7	497.6	533.6	572.2	608.9
-57.5°	219.9	245.4	273.0	304.1	339.4	375.0	410.7	443.7	476.4	508.3	538.8
-60°	202.2	222.5	245.5	271.4	299.3	331.0	361.4	392.1	420.9	447.0	474.0
-62.5°	184.1	200.8	219.0	240.1	264.0	287.8	314.5	341.5	367.8	390.9	412.2
-65°	164.3	178.2	193.2	210.2	228.9	249.0	269.9	291.5	314.9	334.4	352.3
-67.5°	143.7	155.5	167.5	180.0	195.2	211.0	226.7	244.7	263.0	279.4	293.9
-70°	119.9	132.2	142.3	152.2	162.4	174.2	187.5	200.5	213.9	228.6	242.7
-72.5°	95.5	106.7	116.4	124.7	132.1	140.0	148.8	158.5	170.6	183.9	196.0
-75°	72.8	81.5	90.2	97.8	103.1	107.1	110.7	116.6	128.0	141.3	152.9
-77.5°	51.2	59.2	66.1	72.1	75.2	78.0	80.3	82.1	90.8	102.2	113.5
-80°	32.3	37.1	43.3	48.9	51.3	52.6	53.1	53.0	59.8	68.8	78.4
-82.5°	18.2	21.9	25.5	28.9	29.7	29.7	29.4	29.5	34.9	41.0	47.3
-85°	5.9	6.7	9.3	11.8	13.0	13.8	14.1	14.0	16.3	19.0	21.9
-87.5°	2.9	3.4	3.8	4.3	4.3	4.3	4.3	4.2	4.4	4.6	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626791 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-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°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.5	5.2
85°	24.9	26.7	28.3	29.9	31.4	32.8	34.1	35.3	36.5	33.3	29.8
82.5°	53.8	58.1	62.2	66.2	70.3	71.3	71.6	71.5	70.9	65.4	59.2
80°	87.8	95.0	101.9	108.8	115.5	116.2	115.5	114.1	112.1	104.8	96.6
77.5°	124.9	134.0	142.1	149.5	156.2	157.4	157.2	156.9	156.4	148.9	139.9
75°	162.9	171.9	180.5	187.9	194.0	196.9	198.3	199.2	199.8	194.5	187.5
72.5°	207.0	216.3	224.0	231.1	237.2	241.6	244.7	247.1	248.8	247.1	244.3
70°	254.8	264.8	273.3	281.4	289.6	296.2	301.2	304.8	307.1	308.6	309.7
67.5°	308.7	322.2	333.9	343.9	353.9	363.2	370.9	377.2	382.0	386.1	389.3
65°	369.4	386.6	401.9	415.9	428.8	442.3	453.4	462.7	470.2	476.4	481.4
62.5°	433.2	454.4	473.9	493.0	511.6	529.9	544.1	556.9	568.3	578.2	585.9
60°	499.5	523.5	549.8	575.0	598.1	619.2	640.2	658.3	673.9	686.8	697.2
57.5°	570.8	601.9	632.7	663.9	693.3	720.9	746.7	769.5	788.8	804.6	817.8
55°	647.8	686.7	722.3	761.7	799.7	834.4	864.9	891.6	914.8	934.2	950.7
52.5°	732.5	779.7	826.1	870.8	914.0	954.2	990.7	1021.9	1049.6	1073.4	1092.4
50°	825.2	879.2	932.9	982.7	1032.3	1078.6	1120.4	1156.6	1188.9	1216.9	1238.8
47.5°	922.1	983.6	1043.5	1100.5	1155.4	1206.8	1252.2	1293.4	1333.7	1366.5	1392.4
45°	1022.7	1091.6	1157.8	1223.0	1283.4	1341.1	1396.9	1448.3	1489.6	1525.8	1556.2
42.5°	1124.5	1201.4	1275.5	1346.6	1413.1	1479.8	1542.6	1598.8	1646.0	1687.1	1721.6
40°	1227.6	1311.9	1393.5	1471.0	1547.1	1619.8	1687.7	1747.0	1800.1	1849.0	1889.7
37.5°	1330.3	1422.9	1513.4	1600.3	1683.9	1762.7	1836.1	1903.1	1963.0	2018.7	2063.9
35°	1433.3	1535.0	1634.0	1729.6	1821.0	1908.0	1988.4	2064.5	2135.2	2191.5	2237.8
32.5°	1536.0	1645.3	1753.1	1858.4	1958.4	2052.1	2139.2	2223.4	2296.1	2358.0	2411.2
30°	1635.4	1753.9	1871.2	1985.3	2093.3	2194.9	2291.3	2380.3	2458.5	2526.2	2585.8
27.5°	1733.0	1860.2	1986.1	2108.0	2224.8	2335.1	2440.4	2536.9	2622.2	2695.8	2758.7
25°	1825.1	1961.8	2096.1	2225.3	2350.1	2471.8	2585.5	2690.8	2781.9	2862.8	2927.3
22.5°	1913.2	2059.0	2200.0	2336.0	2469.5	2600.6	2725.1	2835.1	2931.6	3016.1	3087.6
20°	1995.2	2151.5	2295.7	2439.5	2580.1	2720.2	2853.8	2969.9	3072.0	3162.0	3240.8
17.5°	2071.9	2232.2	2384.1	2537.2	2685.4	2832.2	2968.0	3092.4	3202.7	3298.2	3380.7
15°	2136.8	2298.7	2464.6	2628.0	2784.3	2933.0	3068.7	3198.6	3321.0	3424.3	3508.0
12.5°	2189.4	2357.7	2530.8	2704.3	2869.5	3018.1	3160.1	3291.9	3420.5	3536.5	3613.4
10°	2234.2	2407.5	2586.2	2763.1	2930.6	3087.8	3242.2	3381.5	3507.8	3611.8	3697.7
7.5°	2272.9	2451.5	2632.9	2810.2	2977.1	3139.5	3298.5	3446.4	3573.9	3671.9	3748.4
5°	2301.5	2484.3	2669.2	2848.1	3017.4	3180.3	3340.0	3486.1	3610.6	3710.2	3793.8
2.5°	2321.9	2506.4	2692.7	2871.9	3044.8	3208.3	3371.9	3519.6	3640.2	3731.5	3811.4
0°	2335.0	2519.8	2707.5	2890.8	3060.7	3218.6	3394.5	3533.1	3658.2	3749.1	3832.6
-2.5°	2321.9	2506.4	2692.7	2871.9	3044.8	3208.3	3371.9	3519.6	3640.2	3731.5	3811.4
-5°	2301.5	2484.3	2669.2	2848.1	3017.4	3180.3	3340.0	3486.1	3610.6	3710.2	3793.8
-7.5°	2272.9	2451.5	2632.9	2810.2	2977.1	3139.5	3298.5	3446.4	3573.9	3671.9	3748.4
-10°	2234.2	2407.5	2586.2	2763.1	2930.6	3087.8	3242.2	3381.5	3507.8	3611.8	3697.7
-12.5°	2189.4	2357.7	2530.8	2704.3	2869.5	3018.1	3160.1	3291.9	3420.5	3536.5	3613.4
-15°	2136.8	2298.7	2464.6	2628.0	2784.3	2933.0	3068.7	3198.6	3321.0	3424.3	3508.0
-17.5°	2071.9	2232.2	2384.1	2537.2	2685.4	2832.2	2968.0	3092.4	3202.7	3298.2	3380.7
-20°	1995.2	2151.5	2295.7	2439.5	2580.1	2720.2	2853.8	2969.9	3072.0	3162.0	3240.8



REPORT NUMBER: P626791 (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°
-22.5°	1913.2	2059.0	2200.0	2336.0	2469.5	2600.6	2725.1	2835.1	2931.6	3016.1	3087.6
-25°	1825.1	1961.8	2096.1	2225.3	2350.1	2471.8	2585.5	2690.8	2781.9	2862.8	2927.3
-27.5°	1733.0	1860.2	1986.1	2108.0	2224.8	2335.1	2440.4	2536.9	2622.2	2695.8	2758.7
-30°	1635.4	1753.9	1871.2	1985.3	2093.3	2194.9	2291.3	2380.3	2458.5	2526.2	2585.8
-32.5°	1536.0	1645.3	1753.1	1858.4	1958.4	2052.1	2139.2	2223.4	2296.1	2358.0	2411.2
-35°	1433.3	1535.0	1634.0	1729.6	1821.0	1908.0	1988.4	2064.5	2135.2	2191.5	2237.8
-37.5°	1330.3	1422.9	1513.4	1600.3	1683.9	1762.7	1836.1	1903.1	1963.0	2018.7	2063.9
-40°	1227.6	1311.9	1393.5	1471.0	1547.1	1619.8	1687.7	1747.0	1800.1	1849.0	1889.7
-42.5°	1124.5	1201.4	1275.5	1346.6	1413.1	1479.8	1542.6	1598.8	1646.0	1687.1	1721.6
-45°	1022.7	1091.6	1157.8	1223.0	1283.4	1341.1	1396.9	1448.3	1489.6	1525.8	1556.2
-47.5°	922.1	983.6	1043.5	1100.5	1155.4	1206.8	1252.2	1293.4	1333.7	1366.5	1392.4
-50°	825.2	879.2	932.9	982.7	1032.3	1078.6	1120.4	1156.6	1188.9	1216.9	1238.8
-52.5°	732.5	779.7	826.1	870.8	914.0	954.2	990.7	1021.9	1049.6	1073.4	1092.4
-55°	647.8	686.7	722.3	761.7	799.7	834.4	864.9	891.6	914.8	934.2	950.7
-57.5°	570.8	601.9	632.7	663.9	693.3	720.9	746.7	769.5	788.8	804.6	817.8
-60°	499.5	523.5	549.8	575.0	598.1	619.2	640.2	658.3	673.9	686.8	697.2
-62.5°	433.2	454.4	473.9	493.0	511.6	529.9	544.1	556.9	568.3	578.2	585.9
-65°	369.4	386.6	401.9	415.9	428.8	442.3	453.4	462.7	470.2	476.4	481.4
-67.5°	308.7	322.2	333.9	343.9	353.9	363.2	370.9	377.2	382.0	386.1	389.3
-70°	254.8	264.8	273.3	281.4	289.6	296.2	301.2	304.8	307.1	308.6	309.7
-72.5°	207.0	216.3	224.0	231.1	237.2	241.6	244.7	247.1	248.8	247.1	244.3
-75°	162.9	171.9	180.5	187.9	194.0	196.9	198.3	199.2	199.8	194.5	187.5
-77.5°	124.9	134.0	142.1	149.5	156.2	157.4	157.2	156.9	156.4	148.9	139.9
-80°	87.8	95.0	101.9	108.8	115.5	116.2	115.5	114.1	112.1	104.8	96.6
-82.5°	53.8	58.1	62.2	66.2	70.3	71.3	71.6	71.5	70.9	65.4	59.2
-85°	24.9	26.7	28.3	29.9	31.4	32.8	34.1	35.3	36.5	33.3	29.8
-87.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.5	5.2
-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: P626791 (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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	4.5	4.5	4.5	4.5	4.5	4.8	5.2	5.5	5.8	5.7
85°	26.1	22.3	20.9	19.4	20.9	22.3	26.1	29.8	33.3	36.5	35.3
82.5°	52.8	46.0	43.9	41.7	43.9	46.0	52.8	59.2	65.4	70.9	71.5
80°	87.9	78.8	75.2	71.5	75.2	78.8	87.9	96.6	104.8	112.1	114.1
77.5°	130.4	120.4	116.2	111.8	116.2	120.4	130.4	139.9	148.9	156.4	156.9
75°	180.1	172.3	167.5	162.4	167.5	172.3	180.1	187.5	194.5	199.8	199.2
72.5°	241.0	237.1	233.7	229.5	233.7	237.1	241.0	244.3	247.1	248.8	247.1
70°	310.0	309.5	310.1	309.9	310.1	309.5	310.0	309.7	308.6	307.1	304.8
67.5°	390.9	391.0	392.7	393.4	392.7	391.0	390.9	389.3	386.1	382.0	377.2
65°	484.5	485.6	485.2	482.8	485.2	485.6	484.5	481.4	476.4	470.2	462.7
62.5°	591.5	594.7	596.4	596.0	596.4	594.7	591.5	585.9	578.2	568.3	556.9
60°	705.0	710.0	712.6	712.3	712.6	710.0	705.0	697.2	686.8	673.9	658.3
57.5°	827.7	834.1	835.7	833.0	835.7	834.1	827.7	817.8	804.6	788.8	769.5
55°	963.1	971.4	974.5	973.0	974.5	971.4	963.1	950.7	934.2	914.8	891.6
52.5°	1106.3	1115.2	1118.4	1116.1	1118.4	1115.2	1106.3	1092.4	1073.4	1049.6	1021.9
50°	1255.0	1265.8	1270.1	1268.1	1270.1	1265.8	1255.0	1238.8	1216.9	1188.9	1156.6
47.5°	1412.8	1427.2	1432.8	1429.0	1432.8	1427.2	1412.8	1392.4	1366.5	1333.7	1293.4
45°	1578.9	1593.8	1599.6	1595.9	1599.6	1593.8	1578.9	1556.2	1525.8	1489.6	1448.3
42.5°	1748.0	1767.4	1775.6	1768.8	1775.6	1767.4	1748.0	1721.6	1687.1	1646.0	1598.8
40°	1920.0	1941.1	1950.8	1946.1	1950.8	1941.1	1920.0	1889.7	1849.0	1800.1	1747.0
37.5°	2096.5	2117.4	2127.7	2127.9	2127.7	2117.4	2096.5	2063.9	2018.7	1963.0	1903.1
35°	2273.6	2299.0	2313.4	2312.7	2313.4	2299.0	2273.6	2237.8	2191.5	2135.2	2064.5
32.5°	2453.2	2480.7	2495.4	2497.4	2495.4	2480.7	2453.2	2411.2	2358.0	2296.1	2223.4
30°	2632.4	2662.7	2679.7	2686.7	2679.7	2662.7	2632.4	2585.8	2526.2	2458.5	2380.3
27.5°	2806.3	2843.5	2869.2	2871.4	2869.2	2843.5	2806.3	2758.7	2695.8	2622.2	2536.9
25°	2974.7	3012.6	3039.0	3044.3	3039.0	3012.6	2974.7	2927.3	2862.8	2781.9	2690.8
22.5°	3140.7	3180.3	3204.6	3214.2	3204.6	3180.3	3140.7	3087.6	3016.1	2931.6	2835.1
20°	3299.1	3342.1	3367.8	3378.1	3367.8	3342.1	3299.1	3240.8	3162.0	3072.0	2969.9
17.5°	3442.4	3487.8	3519.7	3528.6	3519.7	3487.8	3442.4	3380.7	3298.2	3202.7	3092.4
15°	3568.6	3611.6	3641.9	3653.8	3641.9	3611.6	3568.6	3508.0	3424.3	3321.0	3198.6
12.5°	3671.3	3709.7	3733.4	3744.7	3733.4	3709.7	3671.3	3613.4	3536.5	3420.5	3291.9
10°	3751.5	3790.1	3812.6	3828.1	3812.6	3790.1	3751.5	3697.7	3611.8	3507.8	3381.5
7.5°	3821.1	3860.7	3888.3	3910.1	3888.3	3860.7	3821.1	3748.4	3671.9	3573.9	3446.4
5°	3859.5	3925.6	3935.5	3950.3	3935.5	3925.6	3859.5	3793.8	3710.2	3610.6	3486.1
2.5°	3888.8	3935.7	3963.8	3960.7	3963.8	3935.7	3888.8	3811.4	3731.5	3640.2	3519.6
0°	3910.1	3951.8	3962.2	3975.6	3962.2	3951.8	3910.1	3832.6	3749.1	3658.2	3533.1
-2.5°	3888.8	3935.7	3963.8	3960.7	3963.8	3935.7	3888.8	3811.4	3731.5	3640.2	3519.6
-5°	3859.5	3925.6	3935.5	3950.3	3935.5	3925.6	3859.5	3793.8	3710.2	3610.6	3486.1
-7.5°	3821.1	3860.7	3888.3	3910.1	3888.3	3860.7	3821.1	3748.4	3671.9	3573.9	3446.4
-10°	3751.5	3790.1	3812.6	3828.1	3812.6	3790.1	3751.5	3697.7	3611.8	3507.8	3381.5
-12.5°	3671.3	3709.7	3733.4	3744.7	3733.4	3709.7	3671.3	3613.4	3536.5	3420.5	3291.9
-15°	3568.6	3611.6	3641.9	3653.8	3641.9	3611.6	3568.6	3508.0	3424.3	3321.0	3198.6
-17.5°	3442.4	3487.8	3519.7	3528.6	3519.7	3487.8	3442.4	3380.7	3298.2	3202.7	3092.4
-20°	3299.1	3342.1	3367.8	3378.1	3367.8	3342.1	3299.1	3240.8	3162.0	3072.0	2969.9



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 CATALOG NUMBER: GFLD-SA1E-730-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°	3140.7	3180.3	3204.6	3214.2	3204.6	3180.3	3140.7	3087.6	3016.1	2931.6	2835.1
-25°	2974.7	3012.6	3039.0	3044.3	3039.0	3012.6	2974.7	2927.3	2862.8	2781.9	2690.8
-27.5°	2806.3	2843.5	2869.2	2871.4	2869.2	2843.5	2806.3	2758.7	2695.8	2622.2	2536.9
-30°	2632.4	2662.7	2679.7	2686.7	2679.7	2662.7	2632.4	2585.8	2526.2	2458.5	2380.3
-32.5°	2453.2	2480.7	2495.4	2497.4	2495.4	2480.7	2453.2	2411.2	2358.0	2296.1	2223.4
-35°	2273.6	2299.0	2313.4	2312.7	2313.4	2299.0	2273.6	2237.8	2191.5	2135.2	2064.5
-37.5°	2096.5	2117.4	2127.7	2127.9	2127.7	2117.4	2096.5	2063.9	2018.7	1963.0	1903.1
-40°	1920.0	1941.1	1950.8	1946.1	1950.8	1941.1	1920.0	1889.7	1849.0	1800.1	1747.0
-42.5°	1748.0	1767.4	1775.6	1768.8	1775.6	1767.4	1748.0	1721.6	1687.1	1646.0	1598.8
-45°	1578.9	1593.8	1599.6	1595.9	1599.6	1593.8	1578.9	1556.2	1525.8	1489.6	1448.3
-47.5°	1412.8	1427.2	1432.8	1429.0	1432.8	1427.2	1412.8	1392.4	1366.5	1333.7	1293.4
-50°	1255.0	1265.8	1270.1	1268.1	1270.1	1265.8	1255.0	1238.8	1216.9	1188.9	1156.6
-52.5°	1106.3	1115.2	1118.4	1116.1	1118.4	1115.2	1106.3	1092.4	1073.4	1049.6	1021.9
-55°	963.1	971.4	974.5	973.0	974.5	971.4	963.1	950.7	934.2	914.8	891.6
-57.5°	827.7	834.1	835.7	833.0	835.7	834.1	827.7	817.8	804.6	788.8	769.5
-60°	705.0	710.0	712.6	712.3	712.6	710.0	705.0	697.2	686.8	673.9	658.3
-62.5°	591.5	594.7	596.4	596.0	596.4	594.7	591.5	585.9	578.2	568.3	556.9
-65°	484.5	485.6	485.2	482.8	485.2	485.6	484.5	481.4	476.4	470.2	462.7
-67.5°	390.9	391.0	392.7	393.4	392.7	391.0	390.9	389.3	386.1	382.0	377.2
-70°	310.0	309.5	310.1	309.9	310.1	309.5	310.0	309.7	308.6	307.1	304.8
-72.5°	241.0	237.1	233.7	229.5	233.7	237.1	241.0	244.3	247.1	248.8	247.1
-75°	180.1	172.3	167.5	162.4	167.5	172.3	180.1	187.5	194.5	199.8	199.2
-77.5°	130.4	120.4	116.2	111.8	116.2	120.4	130.4	139.9	148.9	156.4	156.9
-80°	87.9	78.8	75.2	71.5	75.2	78.8	87.9	96.6	104.8	112.1	114.1
-82.5°	52.8	46.0	43.9	41.7	43.9	46.0	52.8	59.2	65.4	70.9	71.5
-85°	26.1	22.3	20.9	19.4	20.9	22.3	26.1	29.8	33.3	36.5	35.3
-87.5°	4.8	4.5	4.5	4.5	4.5	4.5	4.8	5.2	5.5	5.8	5.7
-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: P626791 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-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°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
85°	34.1	32.8	31.4	29.9	28.3	26.7	24.9	21.9	19.0	16.3	14.0
82.5°	71.6	71.3	70.3	66.2	62.2	58.1	53.8	47.3	41.0	34.9	29.5
80°	115.5	116.2	115.5	108.8	101.9	95.0	87.8	78.4	68.8	59.8	53.0
77.5°	157.2	157.4	156.2	149.5	142.1	134.0	124.9	113.5	102.2	90.8	82.1
75°	198.3	196.9	194.0	187.9	180.5	171.9	162.9	152.9	141.3	128.0	116.6
72.5°	244.7	241.6	237.2	231.1	224.0	216.3	207.0	196.0	183.9	170.6	158.5
70°	301.2	296.2	289.6	281.4	273.3	264.8	254.8	242.7	228.6	213.9	200.5
67.5°	370.9	363.2	353.9	343.9	333.9	322.2	308.7	293.9	279.4	263.0	244.7
65°	453.4	442.3	428.8	415.9	401.9	386.6	369.4	352.3	334.4	314.9	291.5
62.5°	544.1	529.9	511.6	493.0	473.9	454.4	433.2	412.2	390.9	367.8	341.5
60°	640.2	619.2	598.1	575.0	549.8	523.5	499.5	474.0	447.0	420.9	392.1
57.5°	746.7	720.9	693.3	663.9	632.7	601.9	570.8	538.8	508.3	476.4	443.7
55°	864.9	834.4	799.7	761.7	722.3	686.7	647.8	608.9	572.2	533.6	497.6
52.5°	990.7	954.2	914.0	870.8	826.1	779.7	732.5	687.8	639.9	596.2	552.8
50°	1120.4	1078.6	1032.3	982.7	932.9	879.2	825.2	771.4	717.2	663.6	611.5
47.5°	1252.2	1206.8	1155.4	1100.5	1043.5	983.6	922.1	857.4	797.5	735.3	676.1
45°	1396.9	1341.1	1283.4	1223.0	1157.8	1091.6	1022.7	951.9	879.8	811.4	742.0
42.5°	1542.6	1479.8	1413.1	1346.6	1275.5	1201.4	1124.5	1046.5	967.3	888.4	812.6
40°	1687.7	1619.8	1547.1	1471.0	1393.5	1311.9	1227.6	1140.9	1054.9	968.2	882.3
37.5°	1836.1	1762.7	1683.9	1600.3	1513.4	1422.9	1330.3	1236.4	1141.5	1048.2	955.1
35°	1988.4	1908.0	1821.0	1729.6	1634.0	1535.0	1433.3	1330.5	1228.5	1127.5	1026.7
32.5°	2139.2	2052.1	1958.4	1858.4	1753.1	1645.3	1536.0	1425.0	1313.3	1205.5	1098.1
30°	2291.3	2194.9	2093.3	1985.3	1871.2	1753.9	1635.4	1517.8	1398.7	1280.1	1166.6
27.5°	2440.4	2335.1	2224.8	2108.0	1986.1	1860.2	1733.0	1607.4	1480.4	1354.3	1231.8
25°	2585.5	2471.8	2350.1	2225.3	2096.1	1961.8	1825.1	1692.3	1559.7	1424.7	1290.4
22.5°	2725.1	2600.6	2469.5	2336.0	2200.0	2059.0	1913.2	1770.0	1632.8	1487.8	1347.5
20°	2853.8	2720.2	2580.1	2439.5	2295.7	2151.5	1995.2	1842.9	1695.3	1546.5	1399.3
17.5°	2968.0	2832.2	2685.4	2537.2	2384.1	2232.2	2071.9	1909.3	1752.9	1598.6	1444.8
15°	3068.7	2933.0	2784.3	2628.0	2464.6	2298.7	2136.8	1967.9	1805.3	1644.7	1486.9
12.5°	3160.1	3018.1	2869.5	2704.3	2530.8	2357.7	2189.4	2019.3	1852.0	1686.9	1524.8
10°	3242.2	3087.8	2930.6	2763.1	2586.2	2407.5	2234.2	2062.5	1891.7	1722.9	1556.1
7.5°	3298.5	3139.5	2977.1	2810.2	2632.9	2451.5	2272.9	2097.2	1922.6	1751.7	1580.4
5°	3340.0	3180.3	3017.4	2848.1	2669.2	2484.3	2301.5	2122.4	1944.7	1772.7	1597.8
2.5°	3371.9	3208.3	3044.8	2871.9	2692.7	2506.4	2321.9	2141.3	1962.2	1788.1	1613.1
0°	3394.5	3218.6	3060.7	2890.8	2707.5	2519.8	2335.0	2153.2	1972.9	1795.6	1621.2
-2.5°	3371.9	3208.3	3044.8	2871.9	2692.7	2506.4	2321.9	2141.3	1962.2	1788.1	1613.1
-5°	3340.0	3180.3	3017.4	2848.1	2669.2	2484.3	2301.5	2122.4	1944.7	1772.7	1597.8
-7.5°	3298.5	3139.5	2977.1	2810.2	2632.9	2451.5	2272.9	2097.2	1922.6	1751.7	1580.4
-10°	3242.2	3087.8	2930.6	2763.1	2586.2	2407.5	2234.2	2062.5	1891.7	1722.9	1556.1
-12.5°	3160.1	3018.1	2869.5	2704.3	2530.8	2357.7	2189.4	2019.3	1852.0	1686.9	1524.8
-15°	3068.7	2933.0	2784.3	2628.0	2464.6	2298.7	2136.8	1967.9	1805.3	1644.7	1486.9
-17.5°	2968.0	2832.2	2685.4	2537.2	2384.1	2232.2	2071.9	1909.3	1752.9	1598.6	1444.8
-20°	2853.8	2720.2	2580.1	2439.5	2295.7	2151.5	1995.2	1842.9	1695.3	1546.5	1399.3



REPORT NUMBER: P626791 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2725.1	2600.6	2469.5	2336.0	2200.0	2059.0	1913.2	1770.0	1632.8	1487.8	1347.5
-25°	2585.5	2471.8	2350.1	2225.3	2096.1	1961.8	1825.1	1692.3	1559.7	1424.7	1290.4
-27.5°	2440.4	2335.1	2224.8	2108.0	1986.1	1860.2	1733.0	1607.4	1480.4	1354.3	1231.8
-30°	2291.3	2194.9	2093.3	1985.3	1871.2	1753.9	1635.4	1517.8	1398.7	1280.1	1166.6
-32.5°	2139.2	2052.1	1958.4	1858.4	1753.1	1645.3	1536.0	1425.0	1313.3	1205.5	1098.1
-35°	1988.4	1908.0	1821.0	1729.6	1634.0	1535.0	1433.3	1330.5	1228.5	1127.5	1026.7
-37.5°	1836.1	1762.7	1683.9	1600.3	1513.4	1422.9	1330.3	1236.4	1141.5	1048.2	955.1
-40°	1687.7	1619.8	1547.1	1471.0	1393.5	1311.9	1227.6	1140.9	1054.9	968.2	882.3
-42.5°	1542.6	1479.8	1413.1	1346.6	1275.5	1201.4	1124.5	1046.5	967.3	888.4	812.6
-45°	1396.9	1341.1	1283.4	1223.0	1157.8	1091.6	1022.7	951.9	879.8	811.4	742.0
-47.5°	1252.2	1206.8	1155.4	1100.5	1043.5	983.6	922.1	857.4	797.5	735.3	676.1
-50°	1120.4	1078.6	1032.3	982.7	932.9	879.2	825.2	771.4	717.2	663.6	611.5
-52.5°	990.7	954.2	914.0	870.8	826.1	779.7	732.5	687.8	639.9	596.2	552.8
-55°	864.9	834.4	799.7	761.7	722.3	686.7	647.8	608.9	572.2	533.6	497.6
-57.5°	746.7	720.9	693.3	663.9	632.7	601.9	570.8	538.8	508.3	476.4	443.7
-60°	640.2	619.2	598.1	575.0	549.8	523.5	499.5	474.0	447.0	420.9	392.1
-62.5°	544.1	529.9	511.6	493.0	473.9	454.4	433.2	412.2	390.9	367.8	341.5
-65°	453.4	442.3	428.8	415.9	401.9	386.6	369.4	352.3	334.4	314.9	291.5
-67.5°	370.9	363.2	353.9	343.9	333.9	322.2	308.7	293.9	279.4	263.0	244.7
-70°	301.2	296.2	289.6	281.4	273.3	264.8	254.8	242.7	228.6	213.9	200.5
-72.5°	244.7	241.6	237.2	231.1	224.0	216.3	207.0	196.0	183.9	170.6	158.5
-75°	198.3	196.9	194.0	187.9	180.5	171.9	162.9	152.9	141.3	128.0	116.6
-77.5°	157.2	157.4	156.2	149.5	142.1	134.0	124.9	113.5	102.2	90.8	82.1
-80°	115.5	116.2	115.5	108.8	101.9	95.0	87.8	78.4	68.8	59.8	53.0
-82.5°	71.6	71.3	70.3	66.2	62.2	58.1	53.8	47.3	41.0	34.9	29.5
-85°	34.1	32.8	31.4	29.9	28.3	26.7	24.9	21.9	19.0	16.3	14.0
-87.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
-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: P626791 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-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°	4.3	4.3	4.3	4.3	3.8	3.4	2.9	2.5	2.3	2.1	1.8
85°	14.1	13.8	13.0	11.8	9.3	6.7	5.9	5.1	4.6	4.1	3.6
82.5°	29.4	29.7	29.7	28.9	25.5	21.9	18.2	14.3	10.6	6.8	5.4
80°	53.1	52.6	51.3	48.9	43.3	37.1	32.3	27.4	22.6	17.6	12.4
77.5°	80.3	78.0	75.2	72.1	66.1	59.2	51.2	42.2	34.6	28.4	22.0
75°	110.7	107.1	103.1	97.8	90.2	81.5	72.8	62.3	50.5	39.5	31.5
72.5°	148.8	140.0	132.1	124.7	116.4	106.7	95.5	81.9	67.7	54.3	41.7
70°	187.5	174.2	162.4	152.2	142.3	132.2	119.9	103.1	84.6	68.8	54.0
67.5°	226.7	211.0	195.2	180.0	167.5	155.5	143.7	124.2	103.0	83.0	66.0
65°	269.9	249.0	228.9	210.2	193.2	178.2	164.3	143.9	120.8	98.4	77.7
62.5°	314.5	287.8	264.0	240.1	219.0	200.8	184.1	161.5	137.8	113.2	89.9
60°	361.4	331.0	299.3	271.4	245.5	222.5	202.2	178.9	153.8	127.4	102.0
57.5°	410.7	375.0	339.4	304.1	273.0	245.4	219.9	195.4	169.4	141.5	113.3
55°	460.7	422.2	380.1	340.3	302.1	269.3	238.6	211.2	184.5	155.3	123.0
52.5°	510.8	468.4	423.3	377.3	334.6	293.5	259.2	226.6	198.4	168.8	133.1
50°	563.1	514.6	466.2	416.6	366.8	321.8	279.1	244.3	211.9	181.6	142.7
47.5°	617.6	563.6	509.7	455.5	402.1	348.9	302.3	261.6	225.0	193.2	151.6
45°	677.3	614.1	554.5	495.9	435.6	378.2	325.8	278.1	239.8	202.2	159.9
42.5°	737.0	667.5	600.9	535.7	470.6	407.4	348.1	297.6	253.9	210.9	167.4
40°	800.5	721.1	647.2	576.4	504.7	435.1	372.7	316.6	267.2	219.9	174.6
37.5°	862.2	776.0	694.8	615.4	538.2	465.0	396.5	334.4	279.8	230.0	181.4
35°	927.5	831.1	738.8	654.6	572.6	493.3	418.7	352.4	294.3	239.8	187.8
32.5°	990.6	885.0	786.1	693.2	605.5	520.1	441.6	371.4	308.2	249.4	193.8
30°	1052.7	939.2	831.3	729.8	637.4	548.1	464.5	389.2	321.5	258.6	199.8
27.5°	1109.9	989.3	874.7	767.6	668.7	574.7	486.1	405.6	334.1	268.1	206.8
25°	1163.2	1037.6	917.5	803.9	697.8	599.9	506.0	420.9	346.9	277.9	213.3
22.5°	1213.1	1082.4	956.3	837.4	724.7	623.0	525.5	437.1	359.1	287.0	219.2
20°	1258.5	1122.7	991.0	867.8	750.9	645.1	544.1	451.7	370.0	295.3	224.6
17.5°	1299.5	1159.6	1024.1	896.2	775.3	664.7	560.8	464.5	379.5	302.6	229.2
15°	1337.5	1193.1	1053.4	920.9	796.4	681.7	575.2	475.6	387.7	309.0	233.7
12.5°	1370.1	1221.8	1078.3	942.0	814.2	696.2	587.4	484.8	394.5	314.8	237.9
10°	1397.0	1245.6	1098.6	959.2	828.6	707.9	597.4	492.7	400.9	319.8	241.2
7.5°	1417.9	1264.2	1114.2	972.5	840.0	717.7	605.8	499.4	406.1	323.7	243.5
5°	1433.8	1278.7	1127.8	983.6	850.5	725.7	612.0	504.2	409.8	326.3	244.8
2.5°	1447.9	1289.6	1138.5	990.8	857.6	730.8	615.7	507.1	412.0	327.7	245.1
0°	1455.8	1294.9	1144.4	993.9	861.3	733.1	616.9	508.1	412.8	327.8	244.4
-2.5°	1447.9	1289.6	1138.5	990.8	857.6	730.8	615.7	507.1	412.0	327.7	245.1
-5°	1433.8	1278.7	1127.8	983.6	850.5	725.7	612.0	504.2	409.8	326.3	244.8
-7.5°	1417.9	1264.2	1114.2	972.5	840.0	717.7	605.8	499.4	406.1	323.7	243.5
-10°	1397.0	1245.6	1098.6	959.2	828.6	707.9	597.4	492.7	400.9	319.8	241.2
-12.5°	1370.1	1221.8	1078.3	942.0	814.2	696.2	587.4	484.8	394.5	314.8	237.9
-15°	1337.5	1193.1	1053.4	920.9	796.4	681.7	575.2	475.6	387.7	309.0	233.7
-17.5°	1299.5	1159.6	1024.1	896.2	775.3	664.7	560.8	464.5	379.5	302.6	229.2
-20°	1258.5	1122.7	991.0	867.8	750.9	645.1	544.1	451.7	370.0	295.3	224.6



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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°	1213.1	1082.4	956.3	837.4	724.7	623.0	525.5	437.1	359.1	287.0	219.2
-25°	1163.2	1037.6	917.5	803.9	697.8	599.9	506.0	420.9	346.9	277.9	213.3
-27.5°	1109.9	989.3	874.7	767.6	668.7	574.7	486.1	405.6	334.1	268.1	206.8
-30°	1052.7	939.2	831.3	729.8	637.4	548.1	464.5	389.2	321.5	258.6	199.8
-32.5°	990.6	885.0	786.1	693.2	605.5	520.1	441.6	371.4	308.2	249.4	193.8
-35°	927.5	831.1	738.8	654.6	572.6	493.3	418.7	352.4	294.3	239.8	187.8
-37.5°	862.2	776.0	694.8	615.4	538.2	465.0	396.5	334.4	279.8	230.0	181.4
-40°	800.5	721.1	647.2	576.4	504.7	435.1	372.7	316.6	267.2	219.9	174.6
-42.5°	737.0	667.5	600.9	535.7	470.6	407.4	348.1	297.6	253.9	210.9	167.4
-45°	677.3	614.1	554.5	495.9	435.6	378.2	325.8	278.1	239.8	202.2	159.9
-47.5°	617.6	563.6	509.7	455.5	402.1	348.9	302.3	261.6	225.0	193.2	151.6
-50°	563.1	514.6	466.2	416.6	366.8	321.8	279.1	244.3	211.9	181.6	142.7
-52.5°	510.8	468.4	423.3	377.3	334.6	293.5	259.2	226.6	198.4	168.8	133.1
-55°	460.7	422.2	380.1	340.3	302.1	269.3	238.6	211.2	184.5	155.3	123.0
-57.5°	410.7	375.0	339.4	304.1	273.0	245.4	219.9	195.4	169.4	141.5	113.3
-60°	361.4	331.0	299.3	271.4	245.5	222.5	202.2	178.9	153.8	127.4	102.0
-62.5°	314.5	287.8	264.0	240.1	219.0	200.8	184.1	161.5	137.8	113.2	89.9
-65°	269.9	249.0	228.9	210.2	193.2	178.2	164.3	143.9	120.8	98.4	77.7
-67.5°	226.7	211.0	195.2	180.0	167.5	155.5	143.7	124.2	103.0	83.0	66.0
-70°	187.5	174.2	162.4	152.2	142.3	132.2	119.9	103.1	84.6	68.8	54.0
-72.5°	148.8	140.0	132.1	124.7	116.4	106.7	95.5	81.9	67.7	54.3	41.7
-75°	110.7	107.1	103.1	97.8	90.2	81.5	72.8	62.3	50.5	39.5	31.5
-77.5°	80.3	78.0	75.2	72.1	66.1	59.2	51.2	42.2	34.6	28.4	22.0
-80°	53.1	52.6	51.3	48.9	43.3	37.1	32.3	27.4	22.6	17.6	12.4
-82.5°	29.4	29.7	29.7	28.9	25.5	21.9	18.2	14.3	10.6	6.8	5.4
-85°	14.1	13.8	13.0	11.8	9.3	6.7	5.9	5.1	4.6	4.1	3.6
-87.5°	4.3	4.3	4.3	4.3	3.8	3.4	2.9	2.5	2.3	2.1	1.8
-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):

	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°	1.6	1.3	1.0	0.8	0.5	0.2	0.0
85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
82.5°	4.6	3.9	3.1	2.3	1.6	0.7	0.0
80°	7.0	5.2	4.1	3.1	2.1	0.9	0.0
77.5°	15.1	8.1	5.2	3.9	2.6	1.1	0.0
75°	23.1	14.0	6.7	4.6	3.1	1.4	0.0
72.5°	30.8	19.7	10.7	5.4	3.6	1.6	0.0
70°	38.6	25.2	14.5	6.5	4.0	1.8	0.0
67.5°	47.9	30.4	18.2	8.8	4.5	2.0	0.0
65°	56.8	36.3	21.8	11.1	4.9	2.2	0.0
62.5°	65.2	42.8	25.1	13.3	5.4	2.4	0.0
60°	73.2	48.9	28.2	15.4	5.8	2.6	0.0
57.5°	81.5	54.7	32.4	17.3	7.0	2.8	0.0
55°	89.5	60.0	36.4	19.1	8.1	2.9	0.0
52.5°	96.8	65.1	40.1	20.8	9.2	3.1	0.0
50°	103.5	70.5	43.5	22.3	10.2	3.3	0.0
47.5°	109.8	75.4	46.7	23.9	11.2	3.4	0.0
45°	116.8	79.9	49.5	26.0	12.2	3.6	0.0
42.5°	123.2	83.8	51.9	27.8	13.1	3.7	0.0
40°	129.1	87.3	54.4	29.8	13.9	3.8	0.0
37.5°	134.3	90.2	56.9	31.7	14.7	3.9	0.0
35°	138.9	93.6	59.0	33.4	15.4	4.0	0.0
32.5°	143.1	97.0	60.8	35.0	16.1	4.1	0.0
30°	147.6	99.9	62.2	36.5	16.7	4.2	0.0
27.5°	151.5	102.3	64.4	37.9	17.3	4.3	0.0
25°	155.0	104.3	66.4	39.1	17.8	4.4	0.0
22.5°	158.0	106.2	68.1	40.1	18.2	4.4	0.0
20°	160.5	108.8	69.6	41.1	18.6	4.5	0.0
17.5°	163.6	111.0	70.9	41.8	18.9	4.5	0.0
15°	166.8	112.6	71.9	42.5	19.1	4.5	0.0
12.5°	169.4	113.8	72.7	42.9	19.3	4.6	0.0
10°	171.4	114.6	73.2	43.3	19.5	4.6	0.0
7.5°	172.8	114.9	73.5	43.5	19.5	4.6	0.0
5°	173.5	114.7	73.6	43.5	19.5	4.5	0.0
2.5°	173.5	114.2	73.4	43.4	19.5	4.5	0.0
0°	172.9	113.2	73.0	43.2	19.4	4.5	0.0
-2.5°	173.5	114.2	73.4	43.4	19.5	4.5	0.0
-5°	173.5	114.7	73.6	43.5	19.5	4.5	0.0
-7.5°	172.8	114.9	73.5	43.5	19.5	4.6	0.0
-10°	171.4	114.6	73.2	43.3	19.5	4.6	0.0
-12.5°	169.4	113.8	72.7	42.9	19.3	4.6	0.0
-15°	166.8	112.6	71.9	42.5	19.1	4.5	0.0
-17.5°	163.6	111.0	70.9	41.8	18.9	4.5	0.0
-20°	160.5	108.8	69.6	41.1	18.6	4.5	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	158.0	106.2	68.1	40.1	18.2	4.4	0.0
-25°	155.0	104.3	66.4	39.1	17.8	4.4	0.0
-27.5°	151.5	102.3	64.4	37.9	17.3	4.3	0.0
-30°	147.6	99.9	62.2	36.5	16.7	4.2	0.0
-32.5°	143.1	97.0	60.8	35.0	16.1	4.1	0.0
-35°	138.9	93.6	59.0	33.4	15.4	4.0	0.0
-37.5°	134.3	90.2	56.9	31.7	14.7	3.9	0.0
-40°	129.1	87.3	54.4	29.8	13.9	3.8	0.0
-42.5°	123.2	83.8	51.9	27.8	13.1	3.7	0.0
-45°	116.8	79.9	49.5	26.0	12.2	3.6	0.0
-47.5°	109.8	75.4	46.7	23.9	11.2	3.4	0.0
-50°	103.5	70.5	43.5	22.3	10.2	3.3	0.0
-52.5°	96.8	65.1	40.1	20.8	9.2	3.1	0.0
-55°	89.5	60.0	36.4	19.1	8.1	2.9	0.0
-57.5°	81.5	54.7	32.4	17.3	7.0	2.8	0.0
-60°	73.2	48.9	28.2	15.4	5.8	2.6	0.0
-62.5°	65.2	42.8	25.1	13.3	5.4	2.4	0.0
-65°	56.8	36.3	21.8	11.1	4.9	2.2	0.0
-67.5°	47.9	30.4	18.2	8.8	4.5	2.0	0.0
-70°	38.6	25.2	14.5	6.5	4.0	1.8	0.0
-72.5°	30.8	19.7	10.7	5.4	3.6	1.6	0.0
-75°	23.1	14.0	6.7	4.6	3.1	1.4	0.0
-77.5°	15.1	8.1	5.2	3.9	2.6	1.1	0.0
-80°	7.0	5.2	4.1	3.1	2.1	0.9	0.0
-82.5°	4.6	3.9	3.1	2.3	1.6	0.7	0.0
-85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-87.5°	1.6	1.3	1.0	0.8	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)