

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: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-930-U-WAF-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA4D-930-U-WAF-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

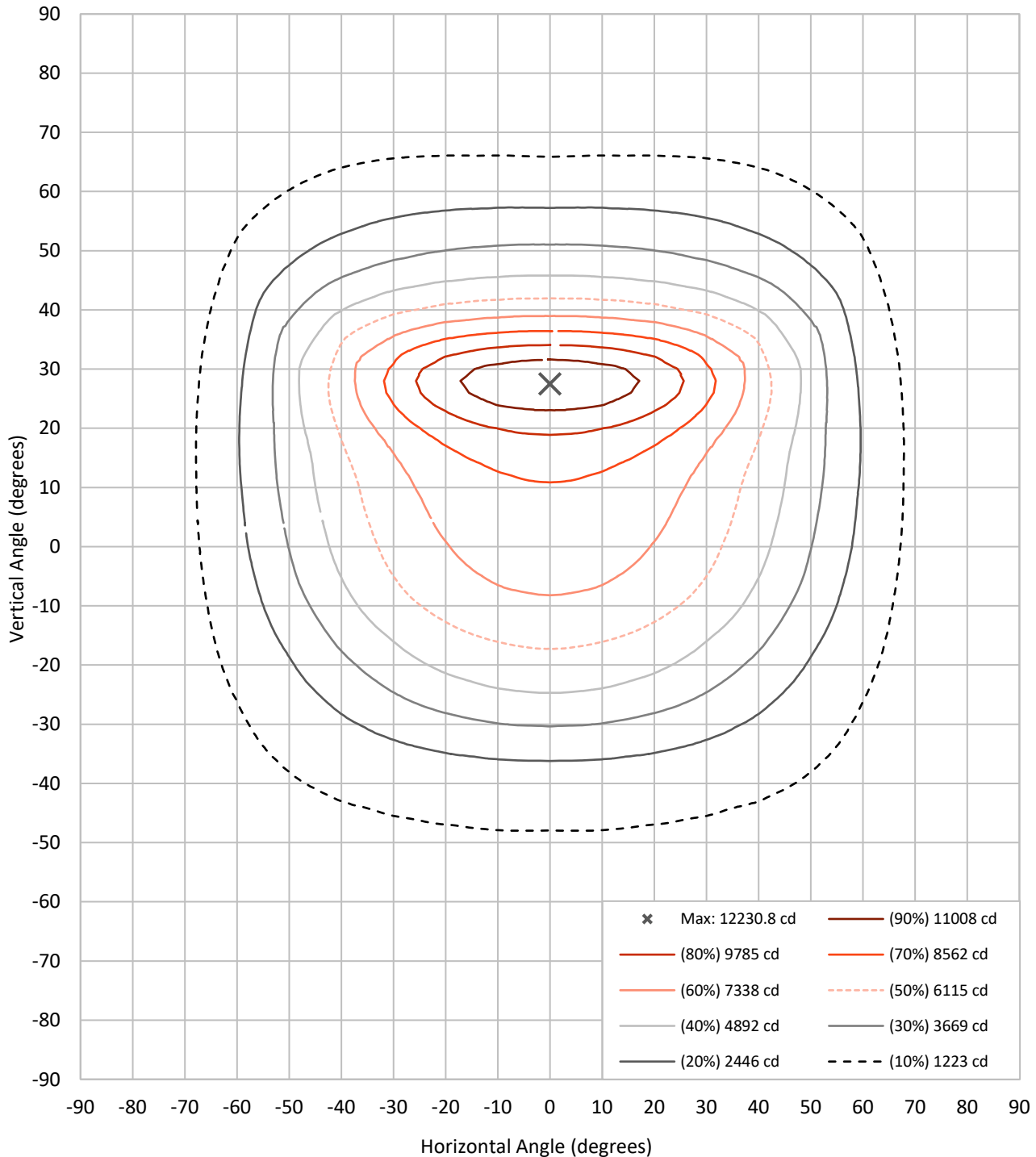
Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	17830.3 lumens	Max Intensity:	12230.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	82.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	9247.7 lumens	Field Lumens:	16494.6 lumens
Beam Efficiency:	51.9%	Field Efficiency:	92.5%

Input Watts (W): 217
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



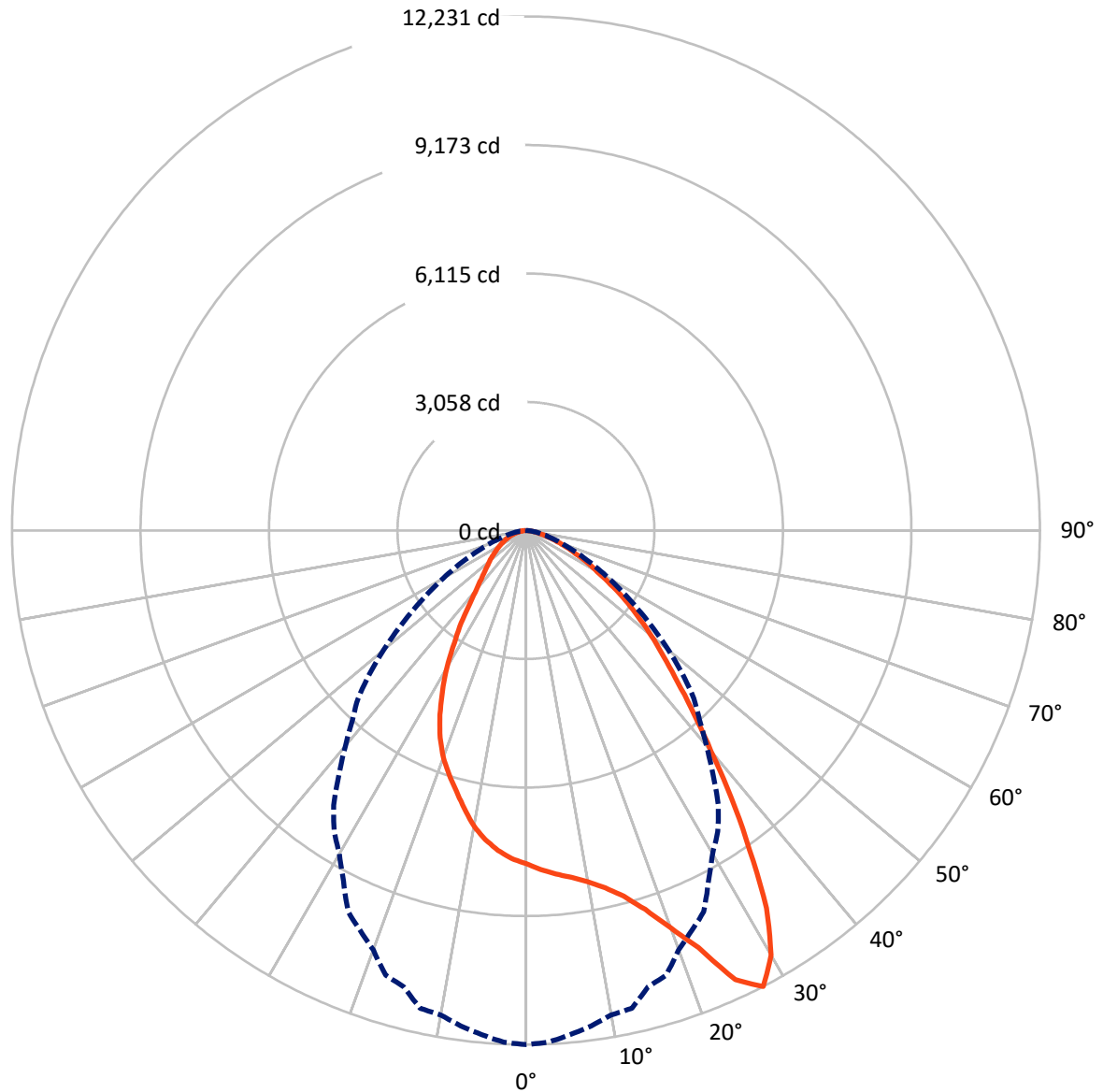
REPORT NUMBER: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



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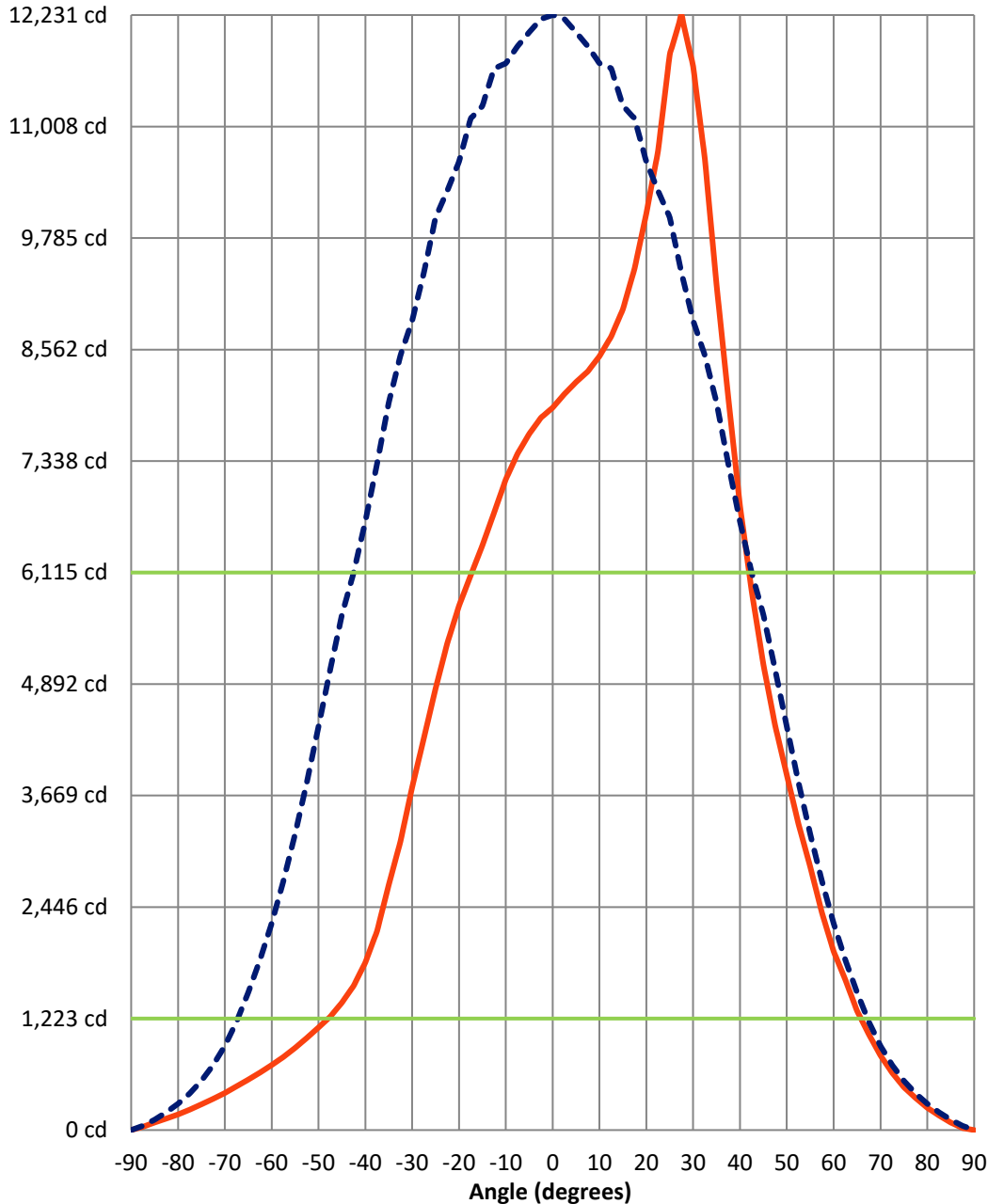
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 27.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 85°
 V Angle: 59.2°
 Lumens: 9247.7
 Efficiency: 51.9%

Field:
 H Angle: 134.5°
 V Angle: 113.8°
 Lumens: 16494.6
 Efficiency: 92.5%

Spill:
 Lumens: 1335.7
 Efficiency: 7.5%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 27.5-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	2.3	4.8	7.1	9.3	11.5	13.6	15.7	17.7	19.6	21.5
85°	0.0	4.7	9.5	14.1	18.6	23.0	27.3	31.4	35.4	39.2	42.9
82.5°	0.0	7.0	14.2	21.1	27.9	34.4	40.8	47.0	54.1	65.9	78.2
80°	0.0	9.3	18.9	28.1	37.1	45.8	55.5	71.0	87.1	103.9	121.3
77.5°	0.0	11.6	23.6	35.1	46.3	59.8	78.9	98.9	119.8	141.5	166.8
75°	0.0	13.9	28.2	42.0	56.3	78.4	101.9	126.5	152.9	186.4	220.6
72.5°	0.0	16.1	32.7	48.8	70.5	96.7	124.6	155.7	194.0	233.3	273.5
70°	0.0	18.3	37.2	56.1	84.5	114.7	147.6	190.4	234.3	279.5	332.3
67.5°	0.0	20.5	41.6	66.1	98.1	132.3	175.9	224.4	273.9	332.6	391.7
65°	0.0	22.6	46.0	75.8	111.5	151.9	203.3	257.6	319.8	384.6	453.3
62.5°	0.0	24.7	50.2	85.3	124.5	173.2	229.8	294.6	364.6	437.1	521.0
60°	0.0	26.8	54.3	94.5	137.1	193.7	255.4	332.4	408.2	495.0	586.5
57.5°	0.0	28.7	60.1	103.5	152.3	213.5	284.3	368.8	455.5	550.8	661.5
55°	0.0	30.7	65.8	112.2	167.0	232.4	312.3	402.6	502.4	607.3	738.1
52.5°	0.0	32.5	71.2	120.5	181.0	251.0	338.9	438.5	547.2	670.6	810.4
50°	0.0	34.3	76.5	128.5	194.4	271.3	363.9	472.7	592.4	729.9	896.9
47.5°	0.0	36.1	81.6	136.5	207.1	290.4	387.7	504.6	640.6	785.3	979.3
45°	0.0	37.7	86.5	145.4	219.0	308.3	412.6	533.9	682.6	852.1	1055.2
42.5°	0.0	39.3	91.1	153.8	230.1	324.8	435.5	564.7	721.1	913.7	1140.6
40°	0.0	40.8	95.5	161.8	241.4	340.0	456.4	595.5	760.0	969.2	1220.6
37.5°	0.0	42.3	99.7	169.3	252.8	353.8	475.3	623.5	802.0	1019.8	1292.2
35°	0.0	43.6	103.6	176.4	263.1	367.6	492.1	648.6	839.0	1073.7	1359.7
32.5°	0.0	44.9	107.3	183.0	272.4	380.5	508.3	670.8	870.9	1119.8	1419.9
30°	0.0	46.0	110.7	189.0	280.7	391.9	525.6	691.5	897.8	1158.2	1469.7
27.5°	0.0	47.1	113.9	194.6	288.6	401.6	540.6	712.9	922.9	1188.8	1509.3
25°	0.0	48.1	116.8	199.6	295.6	409.9	553.3	730.4	947.3	1216.9	1539.1
22.5°	0.0	49.0	119.4	204.1	301.6	417.1	563.6	744.0	965.6	1239.6	1564.5
20°	0.0	49.8	121.7	208.0	306.6	424.2	571.6	753.8	978.1	1254.4	1580.9
17.5°	0.0	50.5	123.7	211.4	310.7	430.1	578.8	760.0	984.9	1261.3	1588.5
15°	0.0	51.1	125.5	214.3	313.8	434.7	584.7	764.3	986.3	1260.9	1587.5
12.5°	0.0	51.7	126.9	216.6	316.0	438.1	588.3	767.4	986.3	1253.3	1578.1
10°	0.0	52.1	128.1	218.4	317.3	440.2	589.7	767.7	984.7	1249.5	1563.8
7.5°	0.0	52.4	129.0	219.6	317.7	441.1	589.0	765.0	978.9	1241.6	1547.8
5°	0.0	52.6	129.5	220.3	317.3	440.8	586.4	759.6	969.1	1228.4	1524.0
2.5°	0.0	52.7	129.8	220.5	316.2	439.2	581.9	751.7	955.7	1210.1	1493.2
0°	0.0	52.7	129.8	220.1	314.2	436.5	575.7	741.3	938.8	1187.1	1456.2
-2.5°	0.0	52.8	129.5	219.1	312.7	432.4	569.1	730.4	922.2	1161.6	1418.9
-5°	0.0	52.7	128.9	217.6	310.4	427.1	560.9	717.4	902.7	1131.9	1376.7
-7.5°	0.0	52.6	128.0	215.6	307.5	420.8	551.3	702.3	880.5	1098.6	1330.3
-10°	0.0	52.4	126.9	213.1	303.8	413.6	540.2	685.5	855.8	1062.1	1280.3
-12.5°	0.0	52.0	125.4	210.1	299.5	405.4	527.8	667.0	828.9	1023.1	1231.2
-15°	0.0	51.6	123.7	206.7	294.5	396.5	514.1	647.0	801.3	984.7	1181.0
-17.5°	0.0	51.1	121.8	202.9	288.8	386.7	499.3	627.0	773.8	944.2	1128.4
-20°	0.0	50.4	119.6	198.6	282.5	376.3	483.9	606.7	744.7	901.9	1073.5



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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	49.7	117.2	193.9	275.5	365.3	468.4	585.0	714.4	858.2	1017.0
-25°	0.0	48.8	114.5	188.8	268.0	354.3	452.1	561.9	683.0	813.3	959.1
-27.5°	0.0	47.9	111.6	183.3	259.8	342.8	434.9	537.7	650.7	769.9	904.2
-30°	0.0	46.8	108.5	177.4	251.1	330.5	416.9	512.4	619.5	730.2	849.4
-32.5°	0.0	45.7	105.2	171.2	242.1	317.6	398.2	488.7	588.4	690.4	794.9
-35°	0.0	44.5	101.7	164.7	232.6	304.1	380.8	465.4	556.4	650.6	740.9
-37.5°	0.0	43.2	98.0	157.9	222.7	290.5	363.6	441.5	523.6	611.0	696.4
-40°	0.0	41.7	94.1	150.7	212.4	277.3	345.7	417.3	490.0	572.4	654.1
-42.5°	0.0	40.2	90.0	143.3	202.1	263.8	327.2	392.7	459.8	535.1	611.2
-45°	0.0	38.7	85.8	135.7	191.8	249.8	308.2	368.9	431.4	497.7	567.9
-47.5°	0.0	37.0	81.4	127.7	181.3	235.4	288.6	346.2	403.0	460.4	526.5
-50°	0.0	35.2	76.9	120.6	170.3	220.7	270.7	323.0	374.9	428.9	485.4
-52.5°	0.0	33.4	72.2	113.6	159.0	205.6	252.9	299.4	347.8	396.9	445.0
-55°	0.0	31.5	67.4	106.4	147.4	191.1	234.7	275.7	320.7	364.4	409.2
-57.5°	0.0	29.6	62.5	99.0	135.5	176.3	216.3	254.6	293.3	333.3	372.9
-60°	0.0	27.6	57.5	91.4	123.5	161.3	197.7	233.3	266.2	302.4	337.2
-62.5°	0.0	25.5	53.2	83.7	113.2	145.9	179.5	211.6	241.8	271.2	303.1
-65°	0.0	23.3	48.8	75.7	102.8	130.3	161.0	189.8	217.1	243.0	268.7
-67.5°	0.0	21.2	44.2	67.7	92.2	115.9	142.3	168.4	192.1	215.4	237.2
-70°	0.0	18.9	39.6	59.5	81.4	102.6	123.3	146.8	168.2	187.5	206.9
-72.5°	0.0	16.6	34.9	52.1	70.5	89.1	107.0	125.1	144.2	161.6	177.0
-75°	0.0	14.3	30.0	44.8	59.4	75.5	90.9	105.8	120.2	135.6	149.3
-77.5°	0.0	12.0	25.1	37.5	49.4	61.7	74.7	87.3	99.3	110.5	121.7
-80°	0.0	9.6	20.2	30.1	39.7	49.0	58.4	68.8	78.6	87.8	96.4
-82.5°	0.0	7.2	15.2	22.6	29.8	36.8	43.7	50.7	57.8	65.1	71.9
-85°	0.0	4.8	10.1	15.1	19.9	24.6	29.2	33.9	38.5	43.1	47.6
-87.5°	0.0	2.4	5.1	7.5	10.0	12.3	14.6	17.0	19.3	21.6	23.8
-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: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	22.6	23.5	24.3	24.8	25.8	26.6	27.3	27.9	28.4	28.8	29.1
85°	45.2	47.1	52.7	58.0	63.5	68.5	73.0	76.9	80.1	82.7	84.7
82.5°	88.3	97.7	106.7	115.1	122.7	129.6	136.2	143.7	149.9	155.0	159.1
80°	135.4	148.3	164.0	178.6	191.8	203.9	215.0	224.9	232.7	240.4	247.9
77.5°	190.3	211.2	230.6	248.5	265.8	286.0	304.7	321.8	335.0	345.0	352.6
75°	249.4	274.1	302.4	330.5	356.8	381.0	404.5	433.2	456.6	474.1	488.2
72.5°	312.4	348.0	382.6	416.2	454.8	492.4	528.9	564.1	595.1	617.8	636.2
70°	380.5	421.8	469.6	517.9	564.4	611.6	661.9	707.7	745.6	772.4	797.9
67.5°	450.1	508.0	564.6	622.8	688.7	748.7	803.6	861.6	912.6	946.3	975.7
65°	530.2	595.1	670.7	747.8	820.2	895.1	964.5	1027.4	1091.8	1138.7	1177.2
62.5°	607.7	699.0	788.1	878.3	969.3	1050.8	1141.4	1222.3	1287.1	1354.1	1411.5
60°	699.7	808.1	917.4	1026.2	1128.0	1242.5	1341.9	1435.8	1522.5	1597.1	1667.8
57.5°	791.4	931.4	1060.7	1188.5	1323.0	1445.5	1562.4	1667.6	1771.1	1857.6	1942.4
55°	888.0	1068.2	1217.4	1375.2	1523.2	1661.6	1792.8	1924.7	2035.1	2154.2	2257.8
52.5°	995.1	1201.0	1393.8	1567.5	1734.4	1894.0	2051.0	2209.7	2364.7	2488.2	2605.3
50°	1095.3	1340.6	1572.5	1770.8	1962.6	2152.1	2348.3	2546.7	2717.5	2858.8	2980.7
47.5°	1205.6	1470.4	1765.0	1984.3	2214.5	2449.3	2687.5	2906.6	3092.7	3284.9	3419.6
45°	1313.0	1601.7	1921.4	2225.6	2492.0	2776.3	3038.7	3280.4	3550.1	3760.0	3940.0
42.5°	1411.0	1726.1	2081.9	2469.2	2802.2	3107.4	3391.4	3731.4	4041.2	4286.6	4511.1
40°	1511.9	1839.2	2227.9	2695.3	3111.5	3437.3	3783.0	4158.7	4562.0	4863.9	5132.3
37.5°	1604.2	1955.0	2361.4	2868.0	3416.1	3774.3	4156.5	4564.1	5023.9	5478.0	5800.6
35°	1685.8	2053.0	2493.9	3008.4	3569.6	4100.8	4505.1	4939.2	5442.4	6031.6	6472.2
32.5°	1759.8	2133.0	2599.0	3118.0	3687.3	4310.1	4823.0	5268.8	5773.6	6381.5	7129.7
30°	1820.1	2210.6	2677.4	3197.1	3768.1	4388.4	5039.8	5525.4	6004.5	6601.1	7297.5
27.5°	1865.9	2267.4	2731.3	3246.5	3811.3	4424.7	5051.3	5650.4	6114.2	6675.6	7308.8
25°	1901.0	2314.0	2759.8	3264.9	3817.6	4408.8	5011.7	5578.7	6099.2	6594.2	7162.5
22.5°	1930.1	2346.2	2791.1	3252.5	3788.8	4352.0	4919.1	5459.6	5963.5	6426.8	6915.7
20°	1952.0	2366.7	2806.9	3264.6	3740.5	4259.7	4802.1	5316.5	5803.3	6252.0	6649.8
17.5°	1961.9	2372.8	2806.9	3262.3	3732.3	4186.5	4658.7	5153.2	5631.7	6077.6	6470.6
15°	1960.1	2364.8	2791.5	3244.9	3707.9	4157.8	4592.9	5000.8	5446.4	5897.1	6288.7
12.5°	1947.1	2343.4	2761.1	3212.5	3668.1	4112.7	4539.9	4949.5	5349.0	5726.5	6100.9
10°	1923.4	2309.2	2716.5	3165.1	3613.1	4051.2	4472.9	4883.8	5279.2	5649.8	5998.4
7.5°	1899.2	2270.9	2662.8	3103.0	3543.0	3973.4	4391.2	4802.9	5190.7	5560.4	5912.5
5°	1867.2	2230.4	2621.8	3043.5	3467.7	3887.5	4296.5	4706.1	5083.5	5456.7	5810.2
2.5°	1826.5	2180.0	2570.2	2971.5	3383.4	3798.8	4193.9	4595.9	4983.0	5341.6	5689.9
0°	1777.9	2120.3	2507.9	2886.0	3284.9	3695.0	4075.0	4468.2	4870.9	5209.5	5550.0
-2.5°	1724.9	2048.8	2417.0	2793.2	3178.7	3581.0	3970.6	4343.4	4737.1	5079.4	5427.1
-5°	1665.6	1969.9	2316.6	2688.6	3060.1	3452.2	3849.1	4203.6	4579.7	4918.2	5260.2
-7.5°	1600.7	1884.7	2208.0	2571.1	2925.0	3294.8	3670.7	4011.8	4377.4	4712.2	5045.3
-10°	1532.2	1800.7	2102.4	2438.2	2771.9	3116.6	3469.7	3803.6	4155.2	4488.7	4809.2
-12.5°	1466.5	1717.8	1993.7	2299.0	2610.3	2928.9	3257.2	3579.6	3913.1	4248.2	4547.9
-15°	1397.8	1630.7	1881.3	2154.9	2441.7	2733.2	3034.8	3339.9	3652.8	3980.6	4257.5
-17.5°	1326.6	1540.3	1766.6	2007.7	2267.1	2531.0	2808.3	3102.8	3389.2	3687.8	3955.6
-20°	1253.8	1447.1	1650.9	1858.7	2089.1	2342.2	2601.6	2865.9	3126.2	3386.1	3637.6



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 CATALOG NUMBER: GFLD-SA4D-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1180.0	1352.0	1537.4	1720.2	1939.4	2168.0	2395.6	2625.0	2858.4	3082.3	3320.2
-25°	1108.7	1263.6	1427.5	1605.2	1793.3	1994.8	2190.4	2384.3	2591.3	2801.1	3005.9
-27.5°	1040.0	1176.7	1331.4	1489.9	1646.6	1825.9	1997.0	2161.4	2342.1	2527.2	2692.6
-30°	971.1	1100.9	1236.4	1377.0	1514.9	1664.6	1812.6	1956.7	2104.0	2262.5	2405.8
-32.5°	907.2	1025.7	1149.0	1272.3	1389.3	1505.4	1642.2	1770.2	1890.7	2003.7	2128.7
-35°	848.8	957.5	1064.6	1170.9	1267.4	1369.5	1483.8	1591.7	1688.3	1779.0	1874.7
-37.5°	793.8	890.5	980.7	1075.7	1161.4	1248.9	1333.0	1426.4	1504.8	1577.2	1655.7
-40°	738.5	825.0	906.3	985.6	1064.2	1137.2	1209.0	1272.5	1335.6	1405.3	1459.2
-42.5°	684.1	764.5	837.2	898.1	972.2	1035.1	1090.9	1143.5	1195.1	1249.5	1292.7
-45°	636.2	704.6	770.9	829.3	884.8	938.4	985.8	1027.1	1075.9	1113.6	1146.3
-47.5°	587.7	647.0	707.7	761.5	808.0	851.5	886.7	928.2	968.2	1000.6	1019.7
-50°	540.1	594.3	645.6	695.8	737.9	772.9	803.3	837.4	870.7	898.2	916.3
-52.5°	496.2	541.5	589.0	631.7	670.5	701.9	730.9	760.6	785.0	803.8	827.6
-55°	452.8	494.5	534.2	572.6	605.7	634.4	662.8	689.2	710.1	726.4	746.1
-57.5°	412.0	449.7	484.3	516.5	546.3	570.9	598.6	621.1	640.5	655.8	676.1
-60°	372.3	406.0	437.5	465.5	490.0	514.3	536.8	557.6	574.5	589.6	608.2
-62.5°	332.8	363.2	391.6	417.4	439.6	459.8	480.1	497.8	511.9	527.6	543.0
-65°	295.9	321.5	346.4	369.9	390.8	410.0	426.8	441.0	454.3	468.3	480.7
-67.5°	259.0	282.9	303.8	322.4	341.8	360.4	375.9	389.1	400.2	411.5	421.9
-70°	226.0	245.0	264.1	280.9	295.6	311.1	326.2	338.6	348.5	357.4	365.9
-72.5°	193.5	210.4	226.1	240.6	254.0	266.5	278.3	289.6	298.8	305.8	311.9
-75°	162.7	175.8	189.4	202.1	213.0	222.7	231.8	240.8	248.3	254.3	259.1
-77.5°	133.2	144.3	154.6	164.4	172.2	179.9	187.0	193.5	199.3	203.8	207.1
-80°	104.6	112.6	121.0	129.0	135.1	140.2	144.7	148.5	152.8	157.2	161.0
-82.5°	77.9	83.6	89.2	94.6	98.9	102.4	105.5	108.5	111.6	114.4	116.9
-85°	51.2	54.5	58.0	61.3	64.5	67.3	69.8	71.9	73.5	75.0	76.2
-87.5°	25.6	27.3	28.8	30.2	31.8	33.3	34.6	35.9	36.8	37.5	38.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-U-WAF-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°	29.2	29.3	29.3	29.2	29.0	27.8	26.6	25.2	23.7	24.4	25.0
85°	86.2	86.6	86.3	85.4	84.0	83.9	83.7	83.1	82.3	83.6	84.6
82.5°	162.3	163.5	163.7	162.9	161.3	162.0	162.3	162.0	161.0	162.1	162.9
80°	253.7	256.1	256.2	254.5	251.0	251.5	251.7	251.0	249.4	249.8	249.7
77.5°	361.4	367.0	368.9	368.1	364.7	363.6	361.2	356.2	349.0	348.9	349.1
75°	498.8	504.6	507.5	507.3	503.9	501.7	498.6	492.9	484.8	484.5	484.6
72.5°	650.4	658.8	662.5	665.9	665.9	664.6	660.6	652.1	639.6	638.2	639.7
70°	817.9	832.0	840.9	847.8	853.2	854.3	851.7	844.9	834.0	831.1	830.2
67.5°	1004.4	1026.9	1044.0	1055.3	1066.0	1073.7	1076.6	1073.5	1064.7	1061.8	1062.9
65°	1213.4	1248.2	1276.9	1298.4	1312.8	1323.0	1331.9	1337.2	1338.5	1341.6	1345.7
62.5°	1457.6	1500.3	1540.2	1567.4	1581.4	1591.3	1620.0	1636.5	1641.2	1642.3	1648.6
60°	1730.2	1784.2	1834.0	1874.0	1906.3	1930.8	1955.2	1971.3	1977.4	1978.6	1987.3
57.5°	2028.4	2096.1	2154.5	2216.5	2259.7	2284.6	2317.3	2350.9	2368.4	2373.4	2394.1
55°	2358.2	2450.7	2526.4	2592.6	2653.0	2706.0	2750.9	2785.5	2811.1	2826.5	2853.9
52.5°	2723.0	2831.7	2910.8	2988.6	3075.1	3136.1	3176.0	3240.0	3286.4	3311.9	3344.5
50°	3123.5	3244.6	3352.4	3433.9	3534.6	3617.9	3678.6	3739.3	3781.7	3806.0	3837.6
47.5°	3579.4	3728.5	3853.6	3929.2	4046.0	4144.1	4183.7	4229.5	4309.5	4347.9	4381.7
45°	4092.7	4282.9	4421.8	4540.1	4640.6	4750.6	4822.7	4874.8	4953.6	4993.1	5018.1
42.5°	4703.5	4915.1	5098.0	5240.1	5324.5	5467.3	5571.5	5600.8	5712.4	5788.1	5810.4
40°	5388.4	5623.0	5864.4	6026.3	6162.3	6307.3	6479.1	6574.7	6669.1	6743.3	6760.1
37.5°	6102.2	6416.2	6691.7	6900.8	7125.5	7339.4	7521.5	7620.8	7682.8	7824.7	7877.7
35°	6827.8	7151.9	7537.8	7862.7	8135.1	8399.2	8606.9	8770.5	8926.3	9054.1	9130.6
32.5°	7445.8	7794.4	8271.0	8757.4	9051.5	9337.5	9678.7	9865.9	10073.7	10242.1	10365.1
30°	7953.5	8285.1	8718.9	9329.3	9731.9	10021.8	10453.6	10712.5	10938.9	11224.3	11323.6
27.5°	7977.6	8495.8	8879.5	9405.1	10009.4	10303.6	10623.1	11093.6	11236.3	11643.3	11701.9
25°	7768.2	8312.3	8706.6	9145.3	9647.7	10005.6	10297.5	10688.7	10893.5	11155.2	11356.2
22.5°	7440.7	7920.2	8322.4	8694.4	9086.5	9412.4	9679.2	9954.2	10178.9	10382.0	10570.6
20°	7079.0	7534.1	7915.5	8235.5	8546.2	8848.3	9088.3	9319.2	9513.6	9687.9	9795.3
17.5°	6824.2	7151.7	7541.4	7869.2	8138.5	8375.7	8623.9	8817.2	8987.7	9144.6	9242.7
15°	6650.3	6961.7	7239.2	7540.0	7823.8	8049.8	8236.8	8436.2	8583.6	8718.6	8825.0
12.5°	6469.8	6790.6	7081.0	7331.5	7553.7	7800.6	8000.4	8157.3	8311.9	8417.9	8527.2
10°	6319.0	6619.2	6920.4	7184.9	7418.7	7622.2	7811.3	7987.3	8126.0	8245.0	8331.0
7.5°	6231.5	6525.9	6796.6	7050.4	7278.3	7495.1	7690.2	7851.5	7989.0	8112.1	8202.2
5°	6130.1	6421.4	6691.7	6951.0	7169.9	7378.2	7572.6	7738.5	7880.8	7990.5	8076.7
2.5°	6013.7	6301.1	6570.7	6834.3	7053.1	7254.1	7438.0	7599.8	7748.1	7852.6	7926.0
0°	5881.1	6169.0	6432.4	6680.7	6900.8	7117.2	7286.5	7450.2	7595.1	7698.5	7771.9
-2.5°	5747.5	6033.5	6306.2	6544.1	6762.6	6962.4	7142.6	7297.2	7435.5	7538.6	7603.0
-5°	5569.7	5854.1	6123.1	6362.9	6591.1	6791.7	6966.9	7124.1	7257.4	7369.7	7457.0
-7.5°	5354.5	5642.1	5910.9	6155.7	6382.8	6572.3	6740.6	6898.9	7041.2	7164.0	7271.5
-10°	5117.9	5402.3	5656.3	5885.5	6097.2	6289.8	6468.8	6625.3	6755.7	6875.9	6966.4
-12.5°	4842.4	5105.7	5354.1	5580.1	5787.0	5979.9	6150.1	6299.2	6430.5	6537.0	6618.6
-15°	4538.3	4788.3	5023.6	5254.5	5471.2	5661.2	5811.0	5968.0	6081.7	6185.1	6258.6
-17.5°	4213.0	4454.6	4702.2	4933.7	5133.7	5321.1	5485.9	5629.5	5748.8	5843.6	5926.5
-20°	3883.3	4129.4	4367.6	4588.3	4780.6	4954.4	5121.3	5259.2	5381.5	5484.6	5581.8



REPORT NUMBER: P558954 (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°	3552.2	3777.9	4001.5	4217.4	4399.3	4563.6	4709.7	4841.6	4949.6	5071.1	5156.9
-25°	3211.9	3409.8	3611.7	3802.4	3974.4	4135.9	4268.3	4383.9	4496.5	4613.9	4697.5
-27.5°	2870.2	3045.1	3209.1	3377.9	3528.6	3668.4	3791.3	3892.5	4001.8	4080.2	4172.1
-30°	2532.2	2690.8	2827.6	2945.1	3086.7	3206.7	3302.3	3402.9	3493.2	3568.1	3645.6
-32.5°	2246.0	2354.4	2463.6	2561.8	2656.1	2754.8	2831.8	2919.6	2981.4	3046.0	3108.6
-35°	1970.9	2054.4	2127.0	2218.8	2289.4	2343.2	2407.4	2471.8	2496.6	2566.7	2604.1
-37.5°	1721.8	1776.6	1844.3	1908.3	1960.7	2000.8	2058.0	2091.8	2109.5	2154.9	2179.2
-40°	1508.5	1543.2	1606.3	1650.0	1681.6	1710.7	1758.3	1780.2	1804.4	1827.0	1827.7
-42.5°	1321.0	1365.6	1408.4	1442.7	1462.6	1495.8	1518.2	1520.7	1552.1	1572.2	1575.3
-45°	1167.6	1212.9	1246.8	1272.0	1291.8	1320.4	1334.9	1343.0	1368.6	1382.2	1388.2
-47.5°	1049.7	1081.4	1110.7	1130.2	1156.3	1177.5	1188.0	1201.5	1221.2	1233.7	1242.6
-50°	946.1	971.2	993.5	1011.3	1037.3	1056.2	1066.3	1082.9	1097.6	1106.6	1113.6
-52.5°	854.9	877.3	892.9	910.2	931.7	948.4	961.3	977.7	989.9	997.9	1004.1
-55°	769.7	790.7	805.8	824.7	840.1	851.3	862.3	878.3	890.3	898.4	903.7
-57.5°	694.4	710.2	725.1	742.2	756.8	769.0	778.8	787.7	795.6	802.2	807.4
-60°	623.9	636.8	650.4	663.8	674.9	683.7	694.2	702.2	707.3	710.5	714.7
-62.5°	556.1	567.7	579.7	590.5	599.4	606.8	615.3	621.9	626.6	629.9	632.4
-65°	491.7	501.7	511.9	520.8	528.5	534.9	540.9	545.5	548.8	551.7	553.9
-67.5°	431.5	439.3	446.5	452.7	458.4	463.8	469.1	472.7	474.6	476.9	479.2
-70°	373.3	379.5	384.3	388.0	391.4	395.7	400.8	404.3	406.3	408.6	410.6
-72.5°	317.1	321.7	325.5	328.6	330.5	333.3	336.8	339.6	341.8	343.5	344.3
-75°	263.0	266.7	270.1	272.5	274.0	275.9	277.7	278.6	278.7	279.5	280.0
-77.5°	210.0	213.7	216.9	219.2	220.6	222.2	223.5	224.2	224.3	224.4	223.9
-80°	163.9	166.5	168.5	170.1	171.2	172.3	173.0	173.1	172.7	173.1	173.2
-82.5°	119.1	121.3	123.2	124.6	125.5	126.7	127.6	128.3	128.6	128.8	128.6
-85°	77.1	78.1	79.1	80.0	80.8	81.3	81.6	81.7	81.5	81.6	81.4
-87.5°	38.5	38.1	37.5	36.7	35.8	36.1	36.2	36.3	36.3	36.7	37.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-U-WAF-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°	25.6	26.2	24.4	22.6	24.4	26.2	25.6	25.0	24.4	23.7	25.2
85°	85.5	86.0	84.5	82.8	84.5	86.0	85.5	84.6	83.6	82.3	83.1
82.5°	163.1	162.8	161.6	159.9	161.6	162.8	163.1	162.9	162.1	161.0	162.0
80°	248.8	247.1	246.2	244.6	246.2	247.1	248.8	249.7	249.8	249.4	251.0
77.5°	348.2	346.4	349.4	351.8	349.4	346.4	348.2	349.1	348.9	349.0	356.2
75°	482.7	479.0	475.4	470.3	475.4	479.0	482.7	484.6	484.5	484.8	492.9
72.5°	639.0	636.1	633.2	628.4	633.2	636.1	639.0	639.7	638.2	639.6	652.1
70°	825.3	816.5	817.9	818.4	817.9	816.5	825.3	830.2	831.1	834.0	844.9
67.5°	1059.5	1051.6	1052.6	1051.7	1052.6	1051.6	1059.5	1062.9	1061.8	1064.7	1073.5
65°	1343.2	1334.3	1323.4	1307.5	1323.4	1334.3	1343.2	1345.7	1341.6	1338.5	1337.2
62.5°	1647.8	1639.9	1644.4	1648.1	1644.4	1639.9	1647.8	1648.6	1642.3	1641.2	1636.5
60°	1985.9	1974.9	1969.3	1960.4	1969.3	1974.9	1985.9	1987.3	1978.6	1977.4	1971.3
57.5°	2403.6	2401.6	2396.7	2383.7	2396.7	2401.6	2403.6	2394.1	2373.4	2368.4	2350.9
55°	2866.8	2864.1	2874.9	2887.9	2874.9	2864.1	2866.8	2853.9	2826.5	2811.1	2785.5
52.5°	3368.6	3377.0	3374.0	3356.4	3374.0	3377.0	3368.6	3344.5	3311.9	3286.4	3240.0
50°	3865.4	3874.9	3885.0	3894.4	3885.0	3874.9	3865.4	3837.6	3806.0	3781.7	3739.3
47.5°	4428.4	4453.5	4457.9	4440.0	4457.9	4453.5	4428.4	4381.7	4347.9	4309.5	4229.5
45°	5068.1	5083.2	5090.8	5106.0	5090.8	5083.2	5068.1	5018.1	4993.1	4953.6	4874.8
42.5°	5874.5	5892.0	5894.8	5911.2	5894.8	5892.0	5874.5	5810.4	5788.1	5712.4	5600.8
40°	6831.8	6860.2	6855.3	6848.2	6855.3	6860.2	6831.8	6760.1	6743.3	6669.1	6574.7
37.5°	7952.4	8000.5	8005.6	8035.3	8005.6	8000.5	7952.4	7877.7	7824.7	7682.8	7620.8
35°	9209.9	9266.6	9256.8	9271.4	9256.8	9266.6	9209.9	9130.6	9054.1	8926.3	8770.5
32.5°	10478.4	10563.5	10580.7	10652.3	10580.7	10563.5	10478.4	10365.1	10242.1	10073.7	9865.9
30°	11475.1	11594.4	11672.2	11666.3	11672.2	11594.4	11475.1	11323.6	11224.3	10938.9	10712.5
27.5°	11887.9	12042.5	12187.1	12230.8	12187.1	12042.5	11887.9	11701.9	11643.3	11236.3	11093.6
25°	11485.1	11598.0	11725.8	11794.3	11725.8	11598.0	11485.1	11356.2	11155.2	10893.5	10688.7
22.5°	10657.4	10730.9	10774.4	10738.8	10774.4	10730.9	10657.4	10570.6	10382.0	10178.9	9954.2
20°	9906.4	9999.3	10016.5	10054.0	10016.5	9999.3	9906.4	9795.3	9687.9	9513.6	9319.2
17.5°	9347.4	9408.2	9443.9	9452.0	9443.9	9408.2	9347.4	9242.7	9144.6	8987.7	8817.2
15°	8909.2	8958.0	8990.0	9004.2	8990.0	8958.0	8909.2	8825.0	8718.6	8583.6	8436.2
12.5°	8598.8	8658.2	8687.4	8705.1	8687.4	8658.2	8598.8	8527.2	8417.9	8311.9	8157.3
10°	8399.7	8457.1	8480.2	8488.7	8480.2	8457.1	8399.7	8331.0	8245.0	8126.0	7987.3
7.5°	8256.7	8293.5	8309.2	8321.3	8309.2	8293.5	8256.7	8202.2	8112.1	7989.0	7851.5
5°	8141.4	8170.7	8187.2	8204.6	8187.2	8170.7	8141.4	8076.7	7990.5	7880.8	7738.5
2.5°	7984.4	8026.3	8055.4	8072.9	8055.4	8026.3	7984.4	7926.0	7852.6	7748.1	7599.8
0°	7830.2	7869.8	7890.4	7924.3	7890.4	7869.8	7830.2	7771.9	7698.5	7595.1	7450.2
-2.5°	7660.7	7706.5	7760.8	7813.3	7760.8	7706.5	7660.7	7603.0	7538.6	7435.5	7297.2
-5°	7531.1	7591.5	7602.8	7636.5	7602.8	7591.5	7531.1	7457.0	7369.7	7257.4	7124.1
-7.5°	7335.5	7363.0	7409.9	7418.2	7409.9	7363.0	7335.5	7271.5	7164.0	7041.2	6898.9
-10°	7034.1	7078.8	7108.1	7137.9	7108.1	7078.8	7034.1	6966.4	6875.9	6755.7	6625.3
-12.5°	6679.8	6732.5	6779.6	6772.9	6779.6	6732.5	6679.8	6618.6	6537.0	6430.5	6299.2
-15°	6334.8	6385.7	6417.9	6413.6	6417.9	6385.7	6334.8	6258.6	6185.1	6081.7	5968.0
-17.5°	5992.3	6038.7	6085.4	6084.3	6085.4	6038.7	5992.3	5926.5	5843.6	5748.8	5629.5
-20°	5638.6	5678.3	5728.5	5749.5	5728.5	5678.3	5638.6	5581.8	5484.6	5381.5	5259.2



REPORT NUMBER: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-U-WAF-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5229.7	5280.5	5317.0	5339.3	5317.0	5280.5	5229.7	5156.9	5071.1	4949.6	4841.6
-25°	4753.0	4805.2	4832.9	4842.6	4832.9	4805.2	4753.0	4697.5	4613.9	4496.5	4383.9
-27.5°	4226.4	4284.9	4313.4	4298.9	4313.4	4284.9	4226.4	4172.1	4080.2	4001.8	3892.5
-30°	3686.3	3723.9	3728.3	3760.8	3728.3	3723.9	3686.3	3645.6	3568.1	3493.2	3402.9
-32.5°	3153.5	3178.6	3164.4	3166.3	3164.4	3178.6	3153.5	3108.6	3046.0	2981.4	2919.6
-35°	2627.4	2647.4	2651.4	2688.5	2651.4	2647.4	2627.4	2604.1	2566.7	2496.6	2471.8
-37.5°	2204.4	2212.4	2200.0	2182.4	2200.0	2212.4	2204.4	2179.2	2154.9	2109.5	2091.8
-40°	1845.6	1851.9	1847.3	1838.1	1847.3	1851.9	1845.6	1827.7	1827.0	1804.4	1780.2
-42.5°	1587.6	1587.6	1583.4	1582.2	1583.4	1587.6	1587.6	1575.3	1572.2	1552.1	1520.7
-45°	1396.9	1398.9	1398.6	1397.9	1398.6	1398.9	1396.9	1388.2	1382.2	1368.6	1343.0
-47.5°	1249.0	1249.4	1247.4	1243.6	1247.4	1249.4	1249.0	1242.6	1233.7	1221.2	1201.5
-50°	1118.0	1118.0	1120.6	1125.1	1120.6	1118.0	1118.0	1113.6	1106.6	1097.6	1082.9
-52.5°	1007.4	1007.1	1008.6	1010.3	1008.6	1007.1	1007.4	1004.1	997.9	989.9	977.7
-55°	906.2	905.6	904.3	901.2	904.3	905.6	906.2	903.7	898.4	890.3	878.3
-57.5°	809.4	808.3	805.8	801.5	805.8	808.3	809.4	807.4	802.2	795.6	787.7
-60°	717.1	717.6	716.3	713.0	716.3	717.6	717.1	714.7	710.5	707.3	702.2
-62.5°	633.0	631.7	631.5	630.3	631.5	631.7	633.0	632.4	629.9	626.6	621.9
-65°	554.3	553.0	553.4	553.1	553.4	553.0	554.3	553.9	551.7	548.8	545.5
-67.5°	480.1	479.7	480.1	479.7	480.1	479.7	480.1	479.2	476.9	474.6	472.7
-70°	411.8	412.0	409.9	406.4	409.9	412.0	411.8	410.6	408.6	406.3	404.3
-72.5°	344.1	342.9	343.0	342.4	343.0	342.9	344.1	344.3	343.5	341.8	339.6
-75°	279.9	279.1	280.9	282.2	280.9	279.1	279.9	280.0	279.5	278.7	278.6
-77.5°	222.8	221.2	222.7	223.9	222.7	221.2	222.8	223.9	224.4	224.3	224.2
-80°	173.0	172.4	172.0	171.2	172.0	172.4	173.0	173.2	173.1	172.7	173.1
-82.5°	128.1	127.4	126.9	126.1	126.9	127.4	128.1	128.6	128.8	128.6	128.3
-85°	81.1	80.6	81.8	82.8	81.8	80.6	81.1	81.4	81.6	81.5	81.7
-87.5°	37.3	37.5	36.6	35.7	36.6	37.5	37.3	37.0	36.7	36.3	36.3
-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: P558954 (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°	26.6	27.8	29.0	29.2	29.3	29.3	29.2	29.1	28.8	28.4	27.9
85°	83.7	83.9	84.0	85.4	86.3	86.6	86.2	84.7	82.7	80.1	76.9
82.5°	162.3	162.0	161.3	162.9	163.7	163.5	162.3	159.1	155.0	149.9	143.7
80°	251.7	251.5	251.0	254.5	256.2	256.1	253.7	247.9	240.4	232.7	224.9
77.5°	361.2	363.6	364.7	368.1	368.9	367.0	361.4	352.6	345.0	335.0	321.8
75°	498.6	501.7	503.9	507.3	507.5	504.6	498.8	488.2	474.1	456.6	433.2
72.5°	660.6	664.6	665.9	665.9	662.5	658.8	650.4	636.2	617.8	595.1	564.1
70°	851.7	854.3	853.2	847.8	840.9	832.0	817.9	797.9	772.4	745.6	707.7
67.5°	1076.6	1073.7	1066.0	1055.3	1044.0	1026.9	1004.4	975.7	946.3	912.6	861.6
65°	1331.9	1323.0	1312.8	1298.4	1276.9	1248.2	1213.4	1177.2	1138.7	1091.8	1027.4
62.5°	1620.0	1591.3	1581.4	1567.4	1540.2	1500.3	1457.6	1411.5	1354.1	1287.1	1222.3
60°	1955.2	1930.8	1906.3	1874.0	1834.0	1784.2	1730.2	1667.8	1597.1	1522.5	1435.8
57.5°	2317.3	2284.6	2259.7	2216.5	2154.5	2096.1	2028.4	1942.4	1857.6	1771.1	1667.6
55°	2750.9	2706.0	2653.0	2592.6	2526.4	2450.7	2358.2	2257.8	2154.2	2035.1	1924.7
52.5°	3176.0	3136.1	3075.1	2988.6	2910.8	2831.7	2723.0	2605.3	2488.2	2364.7	2209.7
50°	3678.6	3617.9	3534.6	3433.9	3352.4	3244.6	3123.5	2980.7	2858.8	2717.5	2546.7
47.5°	4183.7	4144.1	4046.0	3929.2	3853.6	3728.5	3579.4	3419.6	3284.9	3092.7	2906.6
45°	4822.7	4750.6	4640.6	4540.1	4421.8	4282.9	4092.7	3940.0	3760.0	3550.1	3280.4
42.5°	5571.5	5467.3	5324.5	5240.1	5098.0	4915.1	4703.5	4511.1	4286.6	4041.2	3731.4
40°	6479.1	6307.3	6162.3	6026.3	5864.4	5623.0	5388.4	5132.3	4863.9	4562.0	4158.7
37.5°	7521.5	7339.4	7125.5	6900.8	6691.7	6416.2	6102.2	5800.6	5478.0	5023.9	4564.1
35°	8606.9	8399.2	8135.1	7862.7	7537.8	7151.9	6827.8	6472.2	6031.6	5442.4	4939.2
32.5°	9678.7	9337.5	9051.5	8757.4	8271.0	7794.4	7445.8	7129.7	6381.5	5773.6	5268.8
30°	10453.6	10021.8	9731.9	9329.3	8718.9	8285.1	7953.5	7297.5	6601.1	6004.5	5525.4
27.5°	10623.1	10303.6	10009.4	9405.1	8879.5	8495.8	7977.6	7308.8	6675.6	6114.2	5650.4
25°	10297.5	10005.6	9647.7	9145.3	8706.6	8312.3	7768.2	7162.5	6594.2	6099.2	5578.7
22.5°	9679.2	9412.4	9086.5	8694.4	8322.4	7920.2	7440.7	6915.7	6426.8	5963.5	5459.6
20°	9088.3	8848.3	8546.2	8235.5	7915.5	7534.1	7079.0	6649.8	6252.0	5803.3	5316.5
17.5°	8623.9	8375.7	8138.5	7869.2	7541.4	7151.7	6824.2	6470.6	6077.6	5631.7	5153.2
15°	8236.8	8049.8	7823.8	7540.0	7239.2	6961.7	6650.3	6288.7	5897.1	5446.4	5000.8
12.5°	8000.4	7800.6	7553.7	7331.5	7081.0	6790.6	6469.8	6100.9	5726.5	5349.0	4949.5
10°	7811.3	7622.2	7418.7	7184.9	6920.4	6619.2	6319.0	5998.4	5649.8	5279.2	4883.8
7.5°	7690.2	7495.1	7278.3	7050.4	6796.6	6525.9	6231.5	5912.5	5560.4	5190.7	4802.9
5°	7572.6	7378.2	7169.9	6951.0	6691.7	6421.4	6130.1	5810.2	5456.7	5083.5	4706.1
2.5°	7438.0	7254.1	7053.1	6834.3	6570.7	6301.1	6013.7	5689.9	5341.6	4983.0	4595.9
0°	7286.5	7117.2	6900.8	6680.7	6432.4	6169.0	5881.1	5550.0	5209.5	4870.9	4468.2
-2.5°	7142.6	6962.4	6762.6	6544.1	6306.2	6033.5	5747.5	5427.1	5079.4	4737.1	4343.4
-5°	6966.9	6791.7	6591.1	6362.9	6123.1	5854.1	5569.7	5260.2	4918.2	4579.7	4203.6
-7.5°	6740.6	6572.3	6382.8	6155.7	5910.9	5642.1	5354.5	5045.3	4712.2	4377.4	4011.8
-10°	6468.8	6289.8	6097.2	5885.5	5656.3	5402.3	5117.9	4809.2	4488.7	4155.2	3803.6
-12.5°	6150.1	5979.9	5787.0	5580.1	5354.1	5105.7	4842.4	4547.9	4248.2	3913.1	3579.6
-15°	5811.0	5661.2	5471.2	5254.5	5023.6	4788.3	4538.3	4257.5	3980.6	3652.8	3339.9
-17.5°	5485.9	5321.1	5133.7	4933.7	4702.2	4454.6	4213.0	3955.6	3687.8	3389.2	3102.8
-20°	5121.3	4954.4	4780.6	4588.3	4367.6	4129.4	3883.3	3637.6	3386.1	3126.2	2865.9



REPORT NUMBER: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4709.7	4563.6	4399.3	4217.4	4001.5	3777.9	3552.2	3320.2	3082.3	2858.4	2625.0
-25°	4268.3	4135.9	3974.4	3802.4	3611.7	3409.8	3211.9	3005.9	2801.1	2591.3	2384.3
-27.5°	3791.3	3668.4	3528.6	3377.9	3209.1	3045.1	2870.2	2692.6	2527.2	2342.1	2161.4
-30°	3302.3	3206.7	3086.7	2945.1	2827.6	2690.8	2532.2	2405.8	2262.5	2104.0	1956.7
-32.5°	2831.8	2754.8	2656.1	2561.8	2463.6	2354.4	2246.0	2128.7	2003.7	1890.7	1770.2
-35°	2407.4	2343.2	2289.4	2218.8	2127.0	2054.4	1970.9	1874.7	1779.0	1688.3	1591.7
-37.5°	2058.0	2000.8	1960.7	1908.3	1844.3	1776.6	1721.8	1655.7	1577.2	1504.8	1426.4
-40°	1758.3	1710.7	1681.6	1650.0	1606.3	1543.2	1508.5	1459.2	1405.3	1335.6	1272.5
-42.5°	1518.2	1495.8	1462.6	1442.7	1408.4	1365.6	1321.0	1292.7	1249.5	1195.1	1143.5
-45°	1334.9	1320.4	1291.8	1272.0	1246.8	1212.9	1167.6	1146.3	1113.6	1075.9	1027.1
-47.5°	1188.0	1177.5	1156.3	1130.2	1110.7	1081.4	1049.7	1019.7	1000.6	968.2	928.2
-50°	1066.3	1056.2	1037.3	1011.3	993.5	971.2	946.1	916.3	898.2	870.7	837.4
-52.5°	961.3	948.4	931.7	910.2	892.9	877.3	854.9	827.6	803.8	785.0	760.6
-55°	862.3	851.3	840.1	824.7	805.8	790.7	769.7	746.1	726.4	710.1	689.2
-57.5°	778.8	769.0	756.8	742.2	725.1	710.2	694.4	676.1	655.8	640.5	621.1
-60°	694.2	683.7	674.9	663.8	650.4	636.8	623.9	608.2	589.6	574.5	557.6
-62.5°	615.3	606.8	599.4	590.5	579.7	567.7	556.1	543.0	527.6	511.9	497.8
-65°	540.9	534.9	528.5	520.8	511.9	501.7	491.7	480.7	468.3	454.3	441.0
-67.5°	469.1	463.8	458.4	452.7	446.5	439.3	431.5	421.9	411.5	400.2	389.1
-70°	400.8	395.7	391.4	388.0	384.3	379.5	373.3	365.9	357.4	348.5	338.6
-72.5°	336.8	333.3	330.5	328.6	325.5	321.7	317.1	311.9	305.8	298.8	289.6
-75°	277.7	275.9	274.0	272.5	270.1	266.7	263.0	259.1	254.3	248.3	240.8
-77.5°	223.5	222.2	220.6	219.2	216.9	213.7	210.0	207.1	203.8	199.3	193.5
-80°	173.0	172.3	171.2	170.1	168.5	166.5	163.9	161.0	157.2	152.8	148.5
-82.5°	127.6	126.7	125.5	124.6	123.2	121.3	119.1	116.9	114.4	111.6	108.5
-85°	81.6	81.3	80.8	80.0	79.1	78.1	77.1	76.2	75.0	73.5	71.9
-87.5°	36.2	36.1	35.8	36.7	37.5	38.1	38.5	38.0	37.5	36.8	35.9
-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: P558954 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-U-WAF-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°	27.3	26.6	25.8	24.8	24.3	23.5	22.6	21.5	19.6	17.7	15.7
85°	73.0	68.5	63.5	58.0	52.7	47.1	45.2	42.9	39.2	35.4	31.4
82.5°	136.2	129.6	122.7	115.1	106.7	97.7	88.3	78.2	65.9	54.1	47.0
80°	215.0	203.9	191.8	178.6	164.0	148.3	135.4	121.3	103.9	87.1	71.0
77.5°	304.7	286.0	265.8	248.5	230.6	211.2	190.3	166.8	141.5	119.8	98.9
75°	404.5	381.0	356.8	330.5	302.4	274.1	249.4	220.6	186.4	152.9	126.5
72.5°	528.9	492.4	454.8	416.2	382.6	348.0	312.4	273.5	233.3	194.0	155.7
70°	661.9	611.6	564.4	517.9	469.6	421.8	380.5	332.3	279.5	234.3	190.4
67.5°	803.6	748.7	688.7	622.8	564.6	508.0	450.1	391.7	332.6	273.9	224.4
65°	964.5	895.1	820.2	747.8	670.7	595.1	530.2	453.3	384.6	319.8	257.6
62.5°	1141.4	1050.8	969.3	878.3	788.1	699.0	607.7	521.0	437.1	364.6	294.6
60°	1341.9	1242.5	1128.0	1026.2	917.4	808.1	699.7	586.5	495.0	408.2	332.4
57.5°	1562.4	1445.5	1323.0	1188.5	1060.7	931.4	791.4	661.5	550.8	455.5	368.8
55°	1792.8	1661.6	1523.2	1375.2	1217.4	1068.2	888.0	738.1	607.3	502.4	402.6
52.5°	2051.0	1894.0	1734.4	1567.5	1393.8	1201.0	995.1	810.4	670.6	547.2	438.5
50°	2348.3	2152.1	1962.6	1770.8	1572.5	1340.6	1095.3	896.9	729.9	592.4	472.7
47.5°	2687.5	2449.3	2214.5	1984.3	1765.0	1470.4	1205.6	979.3	785.3	640.6	504.6
45°	3038.7	2776.3	2492.0	2225.6	1921.4	1601.7	1313.0	1055.2	852.1	682.6	533.9
42.5°	3391.4	3107.4	2802.2	2469.2	2081.9	1726.1	1411.0	1140.6	913.7	721.1	564.7
40°	3783.0	3437.3	3111.5	2695.3	2227.9	1839.2	1511.9	1220.6	969.2	760.0	595.5
37.5°	4156.5	3774.3	3416.1	2868.0	2361.4	1955.0	1604.2	1292.2	1019.8	802.0	623.5
35°	4505.1	4100.8	3569.6	3008.4	2493.9	2053.0	1685.8	1359.7	1073.7	839.0	648.6
32.5°	4823.0	4310.1	3687.3	3118.0	2599.0	2133.0	1759.8	1419.9	1119.8	870.9	670.8
30°	5039.8	4388.4	3768.1	3197.1	2677.4	2210.6	1820.1	1469.7	1158.2	897.8	691.5
27.5°	5051.3	4424.7	3811.3	3246.5	2731.3	2267.4	1865.9	1509.3	1188.8	922.9	712.9
25°	5011.7	4408.8	3817.6	3264.9	2759.8	2314.0	1901.0	1539.1	1216.9	947.3	730.4
22.5°	4919.1	4352.0	3788.8	3252.5	2791.1	2346.2	1930.1	1564.5	1239.6	965.6	744.0
20°	4802.1	4259.7	3740.5	3264.6	2806.9	2366.7	1952.0	1580.9	1254.4	978.1	753.8
17.5°	4658.7	4186.5	3732.3	3262.3	2806.9	2372.8	1961.9	1588.5	1261.3	984.9	760.0
15°	4592.9	4157.8	3707.9	3244.9	2791.5	2364.8	1960.1	1587.5	1260.9	986.3	764.3
12.5°	4539.9	4112.7	3668.1	3212.5	2761.1	2343.4	1947.1	1578.1	1253.3	986.3	767.4
10°	4472.9	4051.2	3613.1	3165.1	2716.5	2309.2	1923.4	1563.8	1249.5	984.7	767.7
7.5°	4391.2	3973.4	3543.0	3103.0	2662.8	2270.9	1899.2	1547.8	1241.6	978.9	765.0
5°	4296.5	3887.5	3467.7	3043.5	2621.8	2230.4	1867.2	1524.0	1228.4	969.1	759.6
2.5°	4193.9	3798.8	3383.4	2971.5	2570.2	2180.0	1826.5	1493.2	1210.1	955.7	751.7
0°	4075.0	3695.0	3284.9	2886.0	2507.9	2120.3	1777.9	1456.2	1187.1	938.8	741.3
-2.5°	3970.6	3581.0	3178.7	2793.2	2417.0	2048.8	1724.9	1418.9	1161.6	922.2	730.4
-5°	3849.1	3452.2	3060.1	2688.6	2316.6	1969.9	1665.6	1376.7	1131.9	902.7	717.4
-7.5°	3670.7	3294.8	2925.0	2571.1	2208.0	1884.7	1600.7	1330.3	1098.6	880.5	702.3
-10°	3469.7	3116.6	2771.9	2438.2	2102.4	1800.7	1532.2	1280.3	1062.1	855.8	685.5
-12.5°	3257.2	2928.9	2610.3	2299.0	1993.7	1717.8	1466.5	1231.2	1023.1	828.9	667.0
-15°	3034.8	2733.2	2441.7	2154.9	1881.3	1630.7	1397.8	1181.0	984.7	801.3	647.0
-17.5°	2808.3	2531.0	2267.1	2007.7	1766.6	1540.3	1326.6	1128.4	944.2	773.8	627.0
-20°	2601.6	2342.2	2089.1	1858.7	1650.9	1447.1	1253.8	1073.5	901.9	744.7	606.7



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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°	2395.6	2168.0	1939.4	1720.2	1537.4	1352.0	1180.0	1017.0	858.2	714.4	585.0
-25°	2190.4	1994.8	1793.3	1605.2	1427.5	1263.6	1108.7	959.1	813.3	683.0	561.9
-27.5°	1997.0	1825.9	1646.6	1489.9	1331.4	1176.7	1040.0	904.2	769.9	650.7	537.7
-30°	1812.6	1664.6	1514.9	1377.0	1236.4	1100.9	971.1	849.4	730.2	619.5	512.4
-32.5°	1642.2	1505.4	1389.3	1272.3	1149.0	1025.7	907.2	794.9	690.4	588.4	488.7
-35°	1483.8	1369.5	1267.4	1170.9	1064.6	957.5	848.8	740.9	650.6	556.4	465.4
-37.5°	1333.0	1248.9	1161.4	1075.7	980.7	890.5	793.8	696.4	611.0	523.6	441.5
-40°	1209.0	1137.2	1064.2	985.6	906.3	825.0	738.5	654.1	572.4	490.0	417.3
-42.5°	1090.9	1035.1	972.2	898.1	837.2	764.5	684.1	611.2	535.1	459.8	392.7
-45°	985.8	938.4	884.8	829.3	770.9	704.6	636.2	567.9	497.7	431.4	368.9
-47.5°	886.7	851.5	808.0	761.5	707.7	647.0	587.7	526.5	460.4	403.0	346.2
-50°	803.3	772.9	737.9	695.8	645.6	594.3	540.1	485.4	428.9	374.9	323.0
-52.5°	730.9	701.9	670.5	631.7	589.0	541.5	496.2	445.0	396.9	347.8	299.4
-55°	662.8	634.4	605.7	572.6	534.2	494.5	452.8	409.2	364.4	320.7	275.7
-57.5°	598.6	570.9	546.3	516.5	484.3	449.7	412.0	372.9	333.3	293.3	254.6
-60°	536.8	514.3	490.0	465.5	437.5	406.0	372.3	337.2	302.4	266.2	233.3
-62.5°	480.1	459.8	439.6	417.4	391.6	363.2	332.8	303.1	271.2	241.8	211.6
-65°	426.8	410.0	390.8	369.9	346.4	321.5	295.9	268.7	243.0	217.1	189.8
-67.5°	375.9	360.4	341.8	322.4	303.8	282.9	259.0	237.2	215.4	192.1	168.4
-70°	326.2	311.1	295.6	280.9	264.1	245.0	226.0	206.9	187.5	168.2	146.8
-72.5°	278.3	266.5	254.0	240.6	226.1	210.4	193.5	177.0	161.6	144.2	125.1
-75°	231.8	222.7	213.0	202.1	189.4	175.8	162.7	149.3	135.6	120.2	105.8
-77.5°	187.0	179.9	172.2	164.4	154.6	144.3	133.2	121.7	110.5	99.3	87.3
-80°	144.7	140.2	135.1	129.0	121.0	112.6	104.6	96.4	87.8	78.6	68.8
-82.5°	105.5	102.4	98.9	94.6	89.2	83.6	77.9	71.9	65.1	57.8	50.7
-85°	69.8	67.3	64.5	61.3	58.0	54.5	51.2	47.6	43.1	38.5	33.9
-87.5°	34.6	33.3	31.8	30.2	28.8	27.3	25.6	23.8	21.6	19.3	17.0
-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°	13.6	11.5	9.3	7.1	4.8	2.3	0.0
85°	27.3	23.0	18.6	14.1	9.5	4.7	0.0
82.5°	40.8	34.4	27.9	21.1	14.2	7.0	0.0
80°	55.5	45.8	37.1	28.1	18.9	9.3	0.0
77.5°	78.9	59.8	46.3	35.1	23.6	11.6	0.0
75°	101.9	78.4	56.3	42.0	28.2	13.9	0.0
72.5°	124.6	96.7	70.5	48.8	32.7	16.1	0.0
70°	147.6	114.7	84.5	56.1	37.2	18.3	0.0
67.5°	175.9	132.3	98.1	66.1	41.6	20.5	0.0
65°	203.3	151.9	111.5	75.8	46.0	22.6	0.0
62.5°	229.8	173.2	124.5	85.3	50.2	24.7	0.0
60°	255.4	193.7	137.1	94.5	54.3	26.8	0.0
57.5°	284.3	213.5	152.3	103.5	60.1	28.7	0.0
55°	312.3	232.4	167.0	112.2	65.8	30.7	0.0
52.5°	338.9	251.0	181.0	120.5	71.2	32.5	0.0
50°	363.9	271.3	194.4	128.5	76.5	34.3	0.0
47.5°	387.7	290.4	207.1	136.5	81.6	36.1	0.0
45°	412.6	308.3	219.0	145.4	86.5	37.7	0.0
42.5°	435.5	324.8	230.1	153.8	91.1	39.3	0.0
40°	456.4	340.0	241.4	161.8	95.5	40.8	0.0
37.5°	475.3	353.8	252.8	169.3	99.7	42.3	0.0
35°	492.1	367.6	263.1	176.4	103.6	43.6	0.0
32.5°	508.3	380.5	272.4	183.0	107.3	44.9	0.0
30°	525.6	391.9	280.7	189.0	110.7	46.0	0.0
27.5°	540.6	401.6	288.6	194.6	113.9	47.1	0.0
25°	553.3	409.9	295.6	199.6	116.8	48.1	0.0
22.5°	563.6	417.1	301.6	204.1	119.4	49.0	0.0
20°	571.6	424.2	306.6	208.0	121.7	49.8	0.0
17.5°	578.8	430.1	310.7	211.4	123.7	50.5	0.0
15°	584.7	434.7	313.8	214.3	125.5	51.1	0.0
12.5°	588.3	438.1	316.0	216.6	126.9	51.7	0.0
10°	589.7	440.2	317.3	218.4	128.1	52.1	0.0
7.5°	589.0	441.1	317.7	219.6	129.0	52.4	0.0
5°	586.4	440.8	317.3	220.3	129.5	52.6	0.0
2.5°	581.9	439.2	316.2	220.5	129.8	52.7	0.0
0°	575.7	436.5	314.2	220.1	129.8	52.7	0.0
-2.5°	569.1	432.4	312.7	219.1	129.5	52.8	0.0
-5°	560.9	427.1	310.4	217.6	128.9	52.7	0.0
-7.5°	551.3	420.8	307.5	215.6	128.0	52.6	0.0
-10°	540.2	413.6	303.8	213.1	126.9	52.4	0.0
-12.5°	527.8	405.4	299.5	210.1	125.4	52.0	0.0
-15°	514.1	396.5	294.5	206.7	123.7	51.6	0.0
-17.5°	499.3	386.7	288.8	202.9	121.8	51.1	0.0
-20°	483.9	376.3	282.5	198.6	119.6	50.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	468.4	365.3	275.5	193.9	117.2	49.7	0.0
-25°	452.1	354.3	268.0	188.8	114.5	48.8	0.0
-27.5°	434.9	342.8	259.8	183.3	111.6	47.9	0.0
-30°	416.9	330.5	251.1	177.4	108.5	46.8	0.0
-32.5°	398.2	317.6	242.1	171.2	105.2	45.7	0.0
-35°	380.8	304.1	232.6	164.7	101.7	44.5	0.0
-37.5°	363.6	290.5	222.7	157.9	98.0	43.2	0.0
-40°	345.7	277.3	212.4	150.7	94.1	41.7	0.0
-42.5°	327.2	263.8	202.1	143.3	90.0	40.2	0.0
-45°	308.2	249.8	191.8	135.7	85.8	38.7	0.0
-47.5°	288.6	235.4	181.3	127.7	81.4	37.0	0.0
-50°	270.7	220.7	170.3	120.6	76.9	35.2	0.0
-52.5°	252.9	205.6	159.0	113.6	72.2	33.4	0.0
-55°	234.7	191.1	147.4	106.4	67.4	31.5	0.0
-57.5°	216.3	176.3	135.5	99.0	62.5	29.6	0.0
-60°	197.7	161.3	123.5	91.4	57.5	27.6	0.0
-62.5°	179.5	145.9	113.2	83.7	53.2	25.5	0.0
-65°	161.0	130.3	102.8	75.7	48.8	23.3	0.0
-67.5°	142.3	115.9	92.2	67.7	44.2	21.2	0.0
-70°	123.3	102.6	81.4	59.5	39.6	18.9	0.0
-72.5°	107.0	89.1	70.5	52.1	34.9	16.6	0.0
-75°	90.9	75.5	59.4	44.8	30.0	14.3	0.0
-77.5°	74.7	61.7	49.4	37.5	25.1	12.0	0.0
-80°	58.4	49.0	39.7	30.1	20.2	9.6	0.0
-82.5°	43.7	36.8	29.8	22.6	15.2	7.2	0.0
-85°	29.2	24.6	19.9	15.1	10.1	4.8	0.0
-87.5°	14.6	12.3	10.0	7.5	5.1	2.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)