

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: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-940-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5C-940-U-NAT-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (80) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

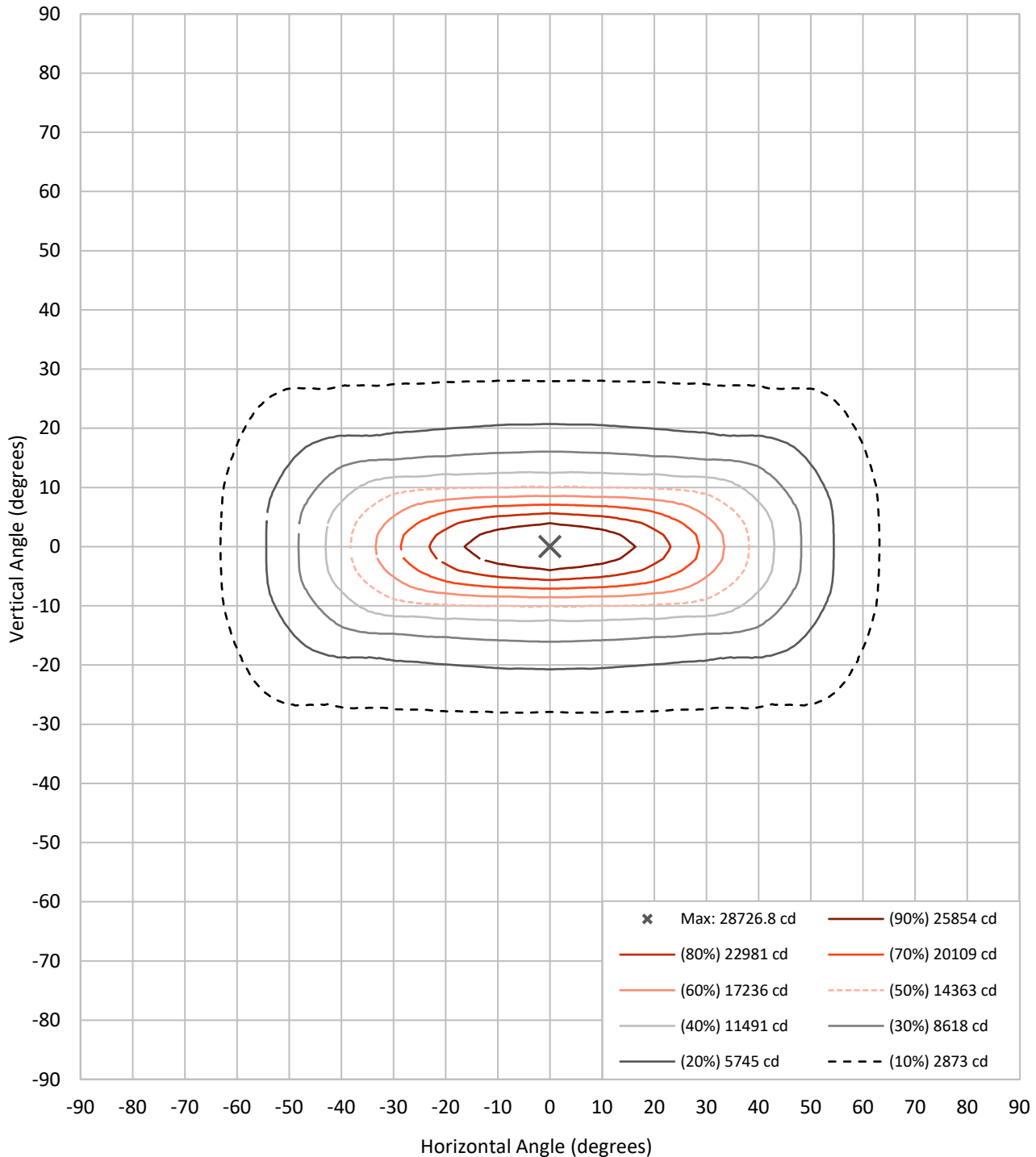
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	20573.6 lumens	Max Intensity:	28726.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	102.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	8231.4 lumens	Field Lumens:	16862.2 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 201
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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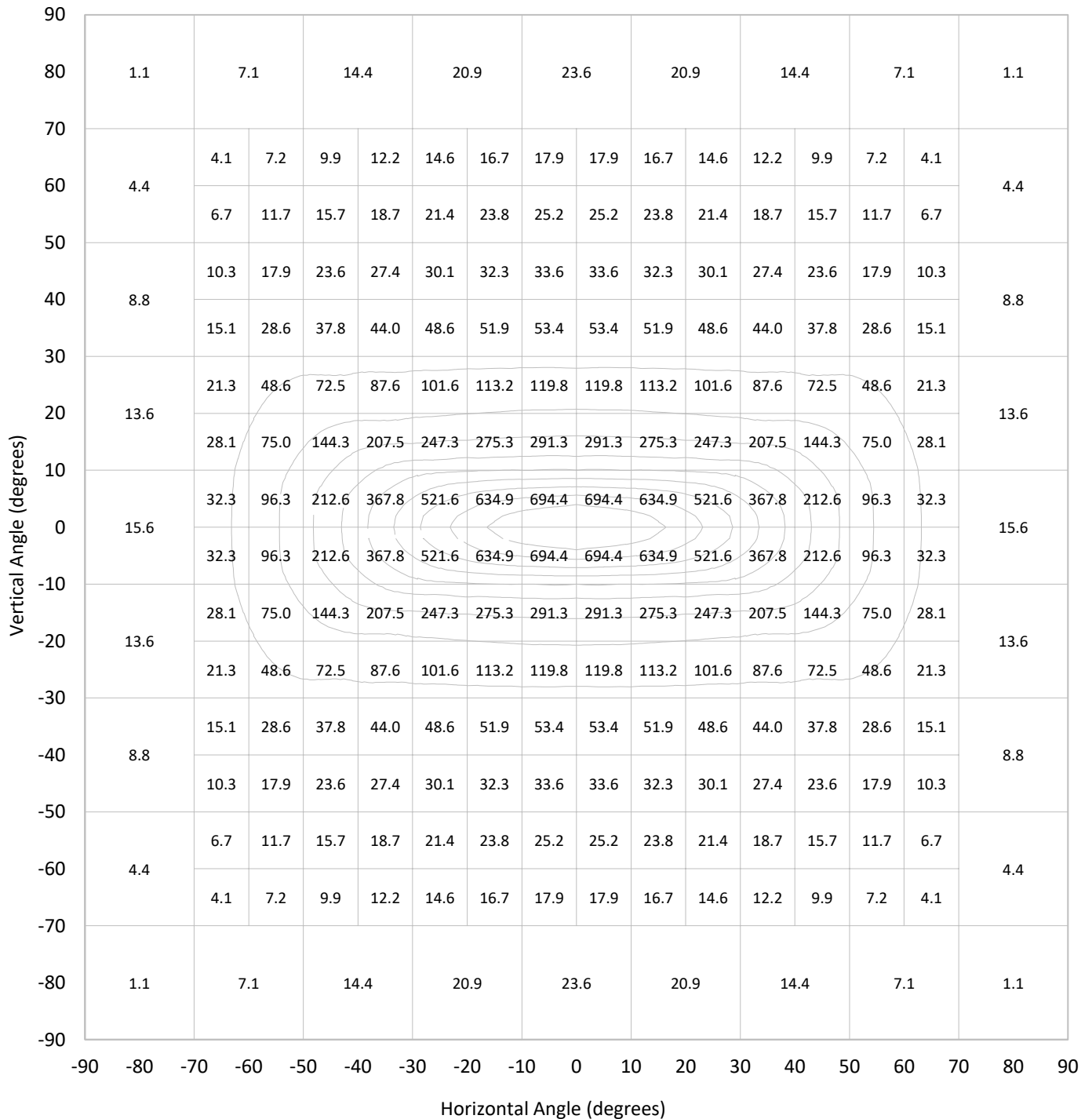
Iso-Candela Plot





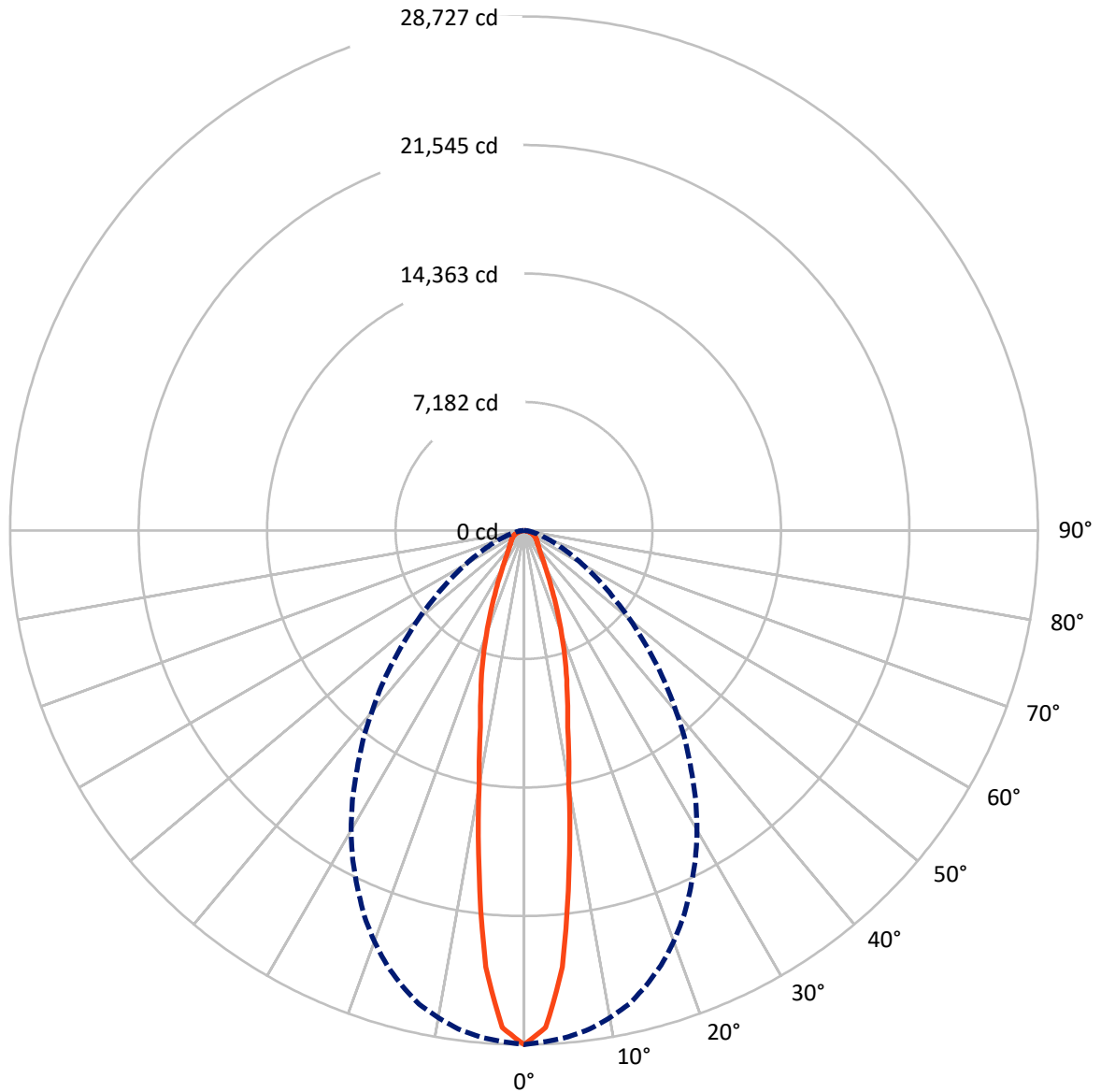
REPORT NUMBER: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)
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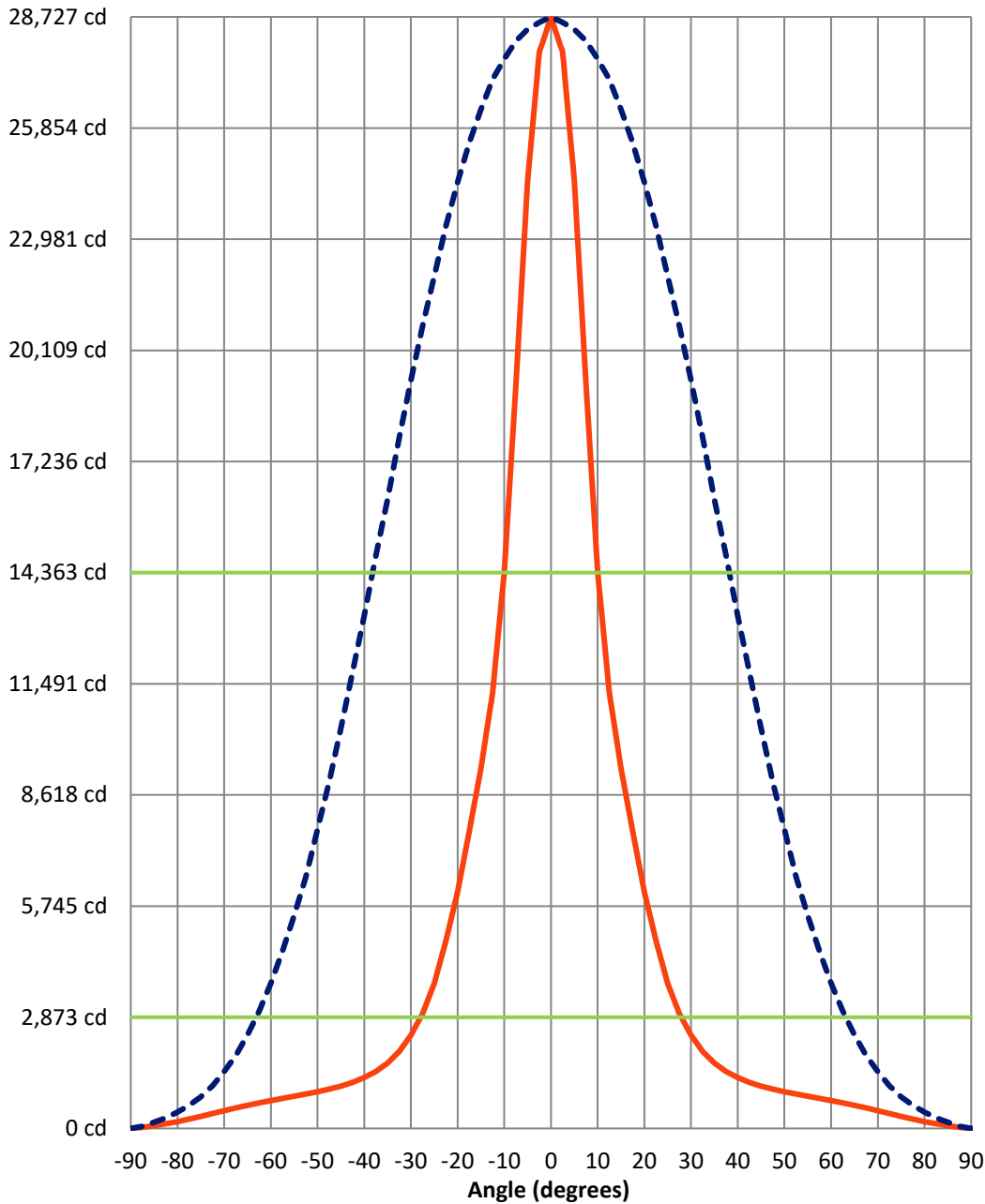
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 76.4°
 V Angle: 20°
 Lumens: 8231.4
 Efficiency: 40.0%

Field:
 H Angle: 126.3°
 V Angle: 55.8°
 Lumens: 16862.2
 Efficiency: 82.0%

Spill:
 Lumens: 3711.4
 Efficiency: 18.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.4	4.8	6.8	8.6	10.2	11.5	13.0	14.4	15.7	16.9
85°	0.0	4.8	9.5	13.6	17.2	20.3	22.9	26.0	28.9	31.5	33.9
82.5°	0.0	7.2	14.3	20.4	25.8	30.5	34.4	39.0	44.2	52.6	60.3
80°	0.0	9.5	19.0	27.2	34.4	40.6	47.2	59.9	71.8	82.6	92.3
77.5°	0.0	11.9	23.7	33.9	42.9	53.9	69.4	84.9	99.3	112.5	124.9
75°	0.0	14.2	28.3	40.6	52.7	73.0	91.5	109.7	127.2	144.8	159.8
72.5°	0.0	16.5	32.9	47.3	68.4	92.0	113.5	135.5	158.3	178.1	194.9
70°	0.0	18.7	37.4	54.9	84.0	110.9	135.9	164.0	189.4	211.6	233.3
67.5°	0.0	21.0	41.9	66.8	99.4	129.6	161.6	192.4	220.7	249.6	273.0
65°	0.0	23.2	46.3	78.5	114.7	150.0	187.1	220.8	256.7	288.0	315.5
62.5°	0.0	25.3	50.6	90.1	129.8	171.9	212.5	252.6	292.9	328.1	364.0
60°	0.0	27.4	54.7	101.5	144.6	193.6	237.7	285.7	329.3	373.6	412.8
57.5°	0.0	29.4	62.2	112.7	162.1	215.1	266.4	318.9	370.0	419.3	465.6
55°	0.0	31.4	69.5	123.6	179.5	236.3	295.2	351.9	411.7	466.7	521.3
52.5°	0.0	33.4	76.5	134.3	196.6	257.8	323.5	388.9	453.3	520.3	578.6
50°	0.0	35.2	83.4	144.8	213.3	281.3	351.5	426.6	497.3	574.9	646.6
47.5°	0.0	37.0	90.1	155.5	229.7	304.3	379.8	464.4	547.5	630.3	718.2
45°	0.0	38.7	96.5	167.5	245.7	326.8	412.5	502.4	598.9	697.9	792.4
42.5°	0.0	40.4	102.7	179.2	261.3	348.8	445.0	544.4	650.3	767.1	876.9
40°	0.0	42.0	108.6	190.1	277.4	370.1	477.2	588.9	705.2	837.7	965.8
37.5°	0.0	43.5	114.3	200.2	293.7	390.8	509.0	632.8	767.4	911.7	1057.5
35°	0.0	44.9	119.7	209.7	309.5	414.3	540.3	676.1	829.4	993.5	1157.0
32.5°	0.0	46.2	124.8	218.6	324.6	438.9	572.4	718.7	890.9	1076.5	1266.4
30°	0.0	47.5	129.6	226.8	338.9	462.6	606.7	762.5	951.8	1160.2	1378.3
27.5°	0.0	48.6	134.1	234.3	350.9	485.6	639.8	812.1	1015.5	1244.3	1492.2
25°	0.0	49.7	138.2	241.1	361.9	507.5	671.6	860.2	1084.2	1335.7	1607.8
22.5°	0.0	50.6	142.1	247.3	372.1	527.1	702.1	906.7	1151.6	1430.2	1734.2
20°	0.0	51.5	145.6	252.8	381.5	542.1	731.0	951.2	1217.3	1523.5	1859.6
17.5°	0.0	52.3	148.7	257.5	390.0	555.2	752.8	993.6	1280.7	1614.6	1982.8
15°	0.0	52.9	151.5	261.6	397.5	566.5	769.0	1026.9	1341.5	1702.9	2103.0
12.5°	0.0	53.5	153.9	265.0	404.1	576.0	782.9	1048.6	1385.0	1787.5	2218.9
10°	0.0	54.0	155.9	267.8	409.7	583.6	794.4	1066.6	1412.8	1827.4	2309.3
7.5°	0.0	54.3	157.6	269.8	414.3	589.5	803.5	1080.8	1435.3	1853.6	2350.2
5°	0.0	54.6	158.8	271.2	417.9	593.6	810.1	1091.2	1452.3	1871.8	2382.0
2.5°	0.0	54.7	159.7	271.9	420.3	595.9	814.2	1097.7	1463.6	1882.0	2404.0
0°	0.0	54.8	160.2	271.9	421.6	596.5	815.8	1100.3	1469.2	1884.5	2415.7
-2.5°	0.0	54.7	159.7	271.9	420.3	595.9	814.2	1097.7	1463.6	1882.0	2404.0
-5°	0.0	54.6	158.8	271.2	417.9	593.6	810.1	1091.2	1452.3	1871.8	2382.0
-7.5°	0.0	54.3	157.6	269.8	414.3	589.5	803.5	1080.8	1435.3	1853.6	2350.2
-10°	0.0	54.0	155.9	267.8	409.7	583.6	794.4	1066.6	1412.8	1827.4	2309.3
-12.5°	0.0	53.5	153.9	265.0	404.1	576.0	782.9	1048.6	1385.0	1787.5	2218.9
-15°	0.0	52.9	151.5	261.6	397.5	566.5	769.0	1026.9	1341.5	1702.9	2103.0
-17.5°	0.0	52.3	148.7	257.5	390.0	555.2	752.8	993.6	1280.7	1614.6	1982.8
-20°	0.0	51.5	145.6	252.8	381.5	542.1	731.0	951.2	1217.3	1523.5	1859.6



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 CATALOG NUMBER: GFLD-SA5C-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	50.6	142.1	247.3	372.1	527.1	702.1	906.7	1151.6	1430.2	1734.2
-25°	0.0	49.7	138.2	241.1	361.9	507.5	671.6	860.2	1084.2	1335.7	1607.8
-27.5°	0.0	48.6	134.1	234.3	350.9	485.6	639.8	812.1	1015.5	1244.3	1492.2
-30°	0.0	47.5	129.6	226.8	338.9	462.6	606.7	762.5	951.8	1160.2	1378.3
-32.5°	0.0	46.2	124.8	218.6	324.6	438.9	572.4	718.7	890.9	1076.5	1266.4
-35°	0.0	44.9	119.7	209.7	309.5	414.3	540.3	676.1	829.4	993.5	1157.0
-37.5°	0.0	43.5	114.3	200.2	293.7	390.8	509.0	632.8	767.4	911.7	1057.5
-40°	0.0	42.0	108.6	190.1	277.4	370.1	477.2	588.9	705.2	837.7	965.8
-42.5°	0.0	40.4	102.7	179.2	261.3	348.8	445.0	544.4	650.3	767.1	876.9
-45°	0.0	38.7	96.5	167.5	245.7	326.8	412.5	502.4	598.9	697.9	792.4
-47.5°	0.0	37.0	90.1	155.5	229.7	304.3	379.8	464.4	547.5	630.3	718.2
-50°	0.0	35.2	83.4	144.8	213.3	281.3	351.5	426.6	497.3	574.9	646.6
-52.5°	0.0	33.4	76.5	134.3	196.6	257.8	323.5	388.9	453.3	520.3	578.6
-55°	0.0	31.4	69.5	123.6	179.5	236.3	295.2	351.9	411.7	466.7	521.3
-57.5°	0.0	29.4	62.2	112.7	162.1	215.1	266.4	318.9	370.0	419.3	465.6
-60°	0.0	27.4	54.7	101.5	144.6	193.6	237.7	285.7	329.3	373.6	412.8
-62.5°	0.0	25.3	50.6	90.1	129.8	171.9	212.5	252.6	292.9	328.1	364.0
-65°	0.0	23.2	46.3	78.5	114.7	150.0	187.1	220.8	256.7	288.0	315.5
-67.5°	0.0	21.0	41.9	66.8	99.4	129.6	161.6	192.4	220.7	249.6	273.0
-70°	0.0	18.7	37.4	54.9	84.0	110.9	135.9	164.0	189.4	211.6	233.3
-72.5°	0.0	16.5	32.9	47.3	68.4	92.0	113.5	135.5	158.3	178.1	194.9
-75°	0.0	14.2	28.3	40.6	52.7	73.0	91.5	109.7	127.2	144.8	159.8
-77.5°	0.0	11.9	23.7	33.9	42.9	53.9	69.4	84.9	99.3	112.5	124.9
-80°	0.0	9.5	19.0	27.2	34.4	40.6	47.2	59.9	71.8	82.6	92.3
-82.5°	0.0	7.2	14.3	20.4	25.8	30.5	34.4	39.0	44.2	52.6	60.3
-85°	0.0	4.8	9.5	13.6	17.2	20.3	22.9	26.0	28.9	31.5	33.9
-87.5°	0.0	2.4	4.8	6.8	8.6	10.2	11.5	13.0	14.4	15.7	16.9
-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: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-940-U-NAT-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°	18.3	19.5	20.7	21.7	22.8	23.7	24.5	25.3	26.4	27.4	28.4
85°	36.5	39.0	43.1	46.6	49.8	52.5	54.8	56.8	58.8	60.5	61.8
82.5°	67.1	72.7	77.2	80.6	84.5	87.8	90.7	93.2	95.9	98.3	100.4
80°	100.3	106.6	113.2	119.0	124.6	128.8	131.4	132.5	135.9	140.2	144.6
77.5°	135.9	145.6	154.1	161.5	167.5	172.8	176.6	178.9	184.2	190.3	195.7
75°	172.9	184.7	196.5	206.9	215.1	221.1	225.6	229.3	235.6	243.7	250.6
72.5°	211.4	227.3	241.3	253.4	264.4	272.8	279.1	283.2	289.6	299.0	306.7
70°	252.0	270.2	289.2	304.7	316.4	326.4	334.6	340.3	346.0	355.6	362.7
67.5°	294.0	320.0	341.0	357.5	370.5	382.7	391.9	398.0	400.6	410.2	418.3
65°	343.5	371.3	394.7	413.2	426.2	441.2	451.6	456.7	458.3	468.9	478.8
62.5°	393.9	424.6	450.3	471.4	488.4	502.7	514.3	520.8	521.9	529.7	541.2
60°	447.7	479.2	509.7	535.2	553.4	568.0	580.6	587.6	588.9	592.1	605.2
57.5°	503.7	537.7	573.4	602.1	623.2	635.4	649.1	656.8	659.8	658.0	671.4
55°	564.7	600.1	640.3	673.7	696.4	707.4	720.2	731.2	735.0	732.5	740.5
52.5°	633.8	669.0	712.0	748.6	773.9	787.2	796.2	809.5	815.5	812.8	811.2
50°	706.5	750.7	786.3	828.1	858.6	876.1	876.3	892.7	900.6	898.2	887.3
47.5°	788.7	838.7	865.5	913.5	953.1	973.6	975.0	981.6	991.3	993.9	984.6
45°	877.5	938.5	967.3	1010.2	1054.6	1079.7	1087.3	1075.5	1093.0	1098.4	1092.6
42.5°	971.1	1048.8	1094.4	1111.8	1163.5	1198.3	1211.8	1203.5	1202.6	1214.8	1214.6
40°	1079.1	1168.4	1236.8	1254.9	1281.1	1329.2	1357.7	1356.1	1324.2	1346.9	1352.9
37.5°	1194.7	1310.7	1395.2	1432.9	1413.1	1477.2	1519.0	1535.8	1515.9	1493.6	1519.1
35°	1316.2	1462.8	1576.8	1641.0	1643.8	1642.3	1707.7	1742.7	1745.1	1704.2	1713.4
32.5°	1452.3	1624.3	1775.4	1879.1	1926.2	1897.1	1914.1	1987.7	2023.7	2008.1	1949.2
30°	1598.4	1809.5	1994.7	2141.0	2246.3	2277.3	2207.1	2264.6	2344.4	2376.3	2350.7
27.5°	1746.1	2006.0	2240.8	2443.7	2606.7	2710.1	2712.5	2623.9	2714.4	2791.3	2821.0
25°	1896.2	2202.6	2501.8	2776.7	3023.5	3201.2	3283.0	3292.5	3165.8	3280.9	3388.2
22.5°	2056.1	2404.8	2759.9	3131.4	3475.3	3736.2	3934.4	4053.9	4050.0	3929.2	4023.4
20°	2225.4	2625.0	3038.5	3479.1	3948.2	4306.8	4638.9	4893.0	5046.0	5096.8	4997.8
17.5°	2394.4	2847.1	3330.9	3855.7	4398.5	4895.6	5393.4	5798.9	6120.1	6383.8	6478.1
15°	2561.2	3068.7	3624.4	4234.9	4862.1	5484.3	6124.4	6745.3	7292.0	7774.5	8060.5
12.5°	2724.2	3287.2	3915.7	4612.3	5332.1	6081.1	6844.9	7601.4	8388.8	9170.4	9764.4
10°	2881.4	3500.0	4200.9	4983.2	5801.8	6677.8	7564.2	8461.9	9418.5	10340.3	11227.7
7.5°	2948.6	3639.2	4446.6	5342.4	6263.5	7265.2	8272.5	9314.7	10432.4	11508.0	12591.6
5°	2990.1	3694.4	4515.6	5449.0	6473.6	7648.5	8850.5	10141.5	11416.8	12655.2	13932.1
2.5°	3017.6	3732.1	4561.7	5491.0	6504.8	7711.5	8928.5	10269.0	11700.0	13131.8	14652.0
0°	3031.2	3752.1	4584.7	5503.8	6500.8	7731.9	8958.7	10341.5	11791.7	13248.3	14804.0
-2.5°	3017.6	3732.1	4561.7	5491.0	6504.8	7711.5	8928.5	10269.0	11700.0	13131.8	14652.0
-5°	2990.1	3694.4	4515.6	5449.0	6473.6	7648.5	8850.5	10141.5	11416.8	12655.2	13932.1
-7.5°	2948.6	3639.2	4446.6	5342.4	6263.5	7265.2	8272.5	9314.7	10432.4	11508.0	12591.6
-10°	2881.4	3500.0	4200.9	4983.2	5801.8	6677.8	7564.2	8461.9	9418.5	10340.3	11227.7
-12.5°	2724.2	3287.2	3915.7	4612.3	5332.1	6081.1	6844.9	7601.4	8388.8	9170.4	9764.4
-15°	2561.2	3068.7	3624.4	4234.9	4862.1	5484.3	6124.4	6745.3	7292.0	7774.5	8060.5
-17.5°	2394.4	2847.1	3330.9	3855.7	4398.5	4895.6	5393.4	5798.9	6120.1	6383.8	6478.1
-20°	2225.4	2625.0	3038.5	3479.1	3948.2	4306.8	4638.9	4893.0	5046.0	5096.8	4997.8



REPORT NUMBER: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2056.1	2404.8	2759.9	3131.4	3475.3	3736.2	3934.4	4053.9	4050.0	3929.2	4023.4
-25°	1896.2	2202.6	2501.8	2776.7	3023.5	3201.2	3283.0	3292.5	3165.8	3280.9	3388.2
-27.5°	1746.1	2006.0	2240.8	2443.7	2606.7	2710.1	2712.5	2623.9	2714.4	2791.3	2821.0
-30°	1598.4	1809.5	1994.7	2141.0	2246.3	2277.3	2207.1	2264.6	2344.4	2376.3	2350.7
-32.5°	1452.3	1624.3	1775.4	1879.1	1926.2	1897.1	1914.1	1987.7	2023.7	2008.1	1949.2
-35°	1316.2	1462.8	1576.8	1641.0	1643.8	1642.3	1707.7	1742.7	1745.1	1704.2	1713.4
-37.5°	1194.7	1310.7	1395.2	1432.9	1413.1	1477.2	1519.0	1535.8	1515.9	1493.6	1519.1
-40°	1079.1	1168.4	1236.8	1254.9	1281.1	1329.2	1357.7	1356.1	1324.2	1346.9	1352.9
-42.5°	971.1	1048.8	1094.4	1111.8	1163.5	1198.3	1211.8	1203.5	1202.6	1214.8	1214.6
-45°	877.5	938.5	967.3	1010.2	1054.6	1079.7	1087.3	1075.5	1093.0	1098.4	1092.6
-47.5°	788.7	838.7	865.5	913.5	953.1	973.6	975.0	981.6	991.3	993.9	984.6
-50°	706.5	750.7	786.3	828.1	858.6	876.1	876.3	892.7	900.6	898.2	887.3
-52.5°	633.8	669.0	712.0	748.6	773.9	787.2	796.2	809.5	815.5	812.8	811.2
-55°	564.7	600.1	640.3	673.7	696.4	707.4	720.2	731.2	735.0	732.5	740.5
-57.5°	503.7	537.7	573.4	602.1	623.2	635.4	649.1	656.8	659.8	658.0	671.4
-60°	447.7	479.2	509.7	535.2	553.4	568.0	580.6	587.6	588.9	592.1	605.2
-62.5°	393.9	424.6	450.3	471.4	488.4	502.7	514.3	520.8	521.9	529.7	541.2
-65°	343.5	371.3	394.7	413.2	426.2	441.2	451.6	456.7	458.3	468.9	478.8
-67.5°	294.0	320.0	341.0	357.5	370.5	382.7	391.9	398.0	400.6	410.2	418.3
-70°	252.0	270.2	289.2	304.7	316.4	326.4	334.6	340.3	346.0	355.6	362.7
-72.5°	211.4	227.3	241.3	253.4	264.4	272.8	279.1	283.2	289.6	299.0	306.7
-75°	172.9	184.7	196.5	206.9	215.1	221.1	225.6	229.3	235.6	243.7	250.6
-77.5°	135.9	145.6	154.1	161.5	167.5	172.8	176.6	178.9	184.2	190.3	195.7
-80°	100.3	106.6	113.2	119.0	124.6	128.8	131.4	132.5	135.9	140.2	144.6
-82.5°	67.1	72.7	77.2	80.6	84.5	87.8	90.7	93.2	95.9	98.3	100.4
-85°	36.5	39.0	43.1	46.6	49.8	52.5	54.8	56.8	58.8	60.5	61.8
-87.5°	18.3	19.5	20.7	21.7	22.8	23.7	24.5	25.3	26.4	27.4	28.4
-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):

	-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°	29.3	28.9	28.3	27.6	26.7	26.8	26.7	26.6	26.5	26.2	26.0
85°	62.8	63.9	65.1	66.2	67.2	68.3	69.3	70.0	70.6	70.6	70.3
82.5°	102.2	105.6	109.0	112.2	115.2	116.9	118.1	118.8	119.3	120.2	121.0
80°	148.3	153.3	158.0	161.8	165.0	167.3	169.2	170.7	171.8	173.0	173.9
77.5°	200.6	206.2	211.6	216.3	220.3	224.1	227.3	229.8	231.7	234.7	237.4
75°	256.3	262.6	269.2	275.2	280.4	285.9	291.4	296.5	300.9	304.7	307.5
72.5°	312.5	319.2	327.3	334.9	342.0	349.4	356.8	363.3	368.8	374.1	378.8
70°	368.1	374.3	384.8	394.9	404.4	413.3	422.2	430.1	437.1	443.9	450.1
67.5°	425.4	432.0	445.0	456.7	467.2	477.0	487.4	496.5	504.6	511.8	518.0
65°	486.6	492.4	506.5	519.3	530.4	539.6	550.7	560.8	569.7	577.6	584.3
62.5°	549.9	555.7	567.3	580.0	590.5	599.4	612.5	623.8	633.4	641.4	648.1
60°	614.2	619.2	628.1	642.0	653.8	663.5	675.0	686.0	695.4	703.3	710.3
57.5°	680.9	685.9	690.3	704.2	715.5	724.3	734.4	745.2	754.2	761.7	769.0
55°	749.8	753.7	752.3	765.2	775.8	783.1	790.6	802.0	811.0	817.6	824.2
52.5°	820.2	824.9	821.7	827.1	838.7	845.2	848.5	860.8	870.0	876.0	882.0
50°	898.7	902.4	899.5	896.4	907.7	914.5	916.3	926.3	934.6	939.2	943.5
47.5°	983.8	988.3	986.0	973.7	983.8	992.3	992.6	996.8	1005.5	1008.9	1011.5
45°	1076.3	1085.1	1083.2	1074.6	1073.3	1081.9	1081.1	1077.7	1087.7	1092.1	1093.5
42.5°	1197.7	1194.8	1197.6	1192.6	1177.3	1187.2	1188.4	1176.0	1188.5	1193.9	1190.7
40°	1346.3	1319.2	1334.1	1331.9	1317.6	1315.5	1323.2	1313.1	1315.0	1322.7	1316.8
37.5°	1523.1	1503.7	1495.6	1502.3	1498.2	1479.8	1494.4	1490.8	1479.3	1492.3	1486.6
35°	1740.7	1734.9	1691.2	1717.9	1723.4	1706.0	1711.0	1718.5	1693.5	1713.2	1711.1
32.5°	1995.2	2008.1	1998.7	1982.4	2007.2	2010.3	1981.6	2016.1	2002.2	2007.2	2020.7
30°	2283.4	2349.6	2381.8	2353.0	2368.5	2399.3	2385.2	2409.1	2420.6	2402.6	2436.6
27.5°	2786.9	2763.4	2840.6	2874.1	2838.3	2894.4	2935.1	2917.1	2976.7	2941.4	2991.8
25°	3426.8	3392.4	3413.0	3523.9	3548.5	3520.0	3634.9	3648.4	3695.8	3701.6	3736.7
22.5°	4178.6	4261.8	4252.1	4285.8	4425.1	4471.8	4514.2	4624.7	4599.5	4699.7	4717.1
20°	5019.1	5228.3	5372.3	5402.6	5462.2	5622.4	5695.8	5783.0	5841.6	5936.4	6016.6
17.5°	6441.1	6333.9	6616.5	6794.0	6887.4	6920.7	7113.7	7176.5	7321.5	7404.3	7486.5
15°	8266.8	8329.3	8201.7	8370.9	8656.8	8753.3	8642.4	8901.5	8974.3	9113.8	9138.5
12.5°	10218.2	10534.1	10689.0	10731.1	10581.7	10988.3	11151.2	10946.7	11178.6	11136.8	11327.6
10°	12080.2	12847.8	13307.2	13630.4	13826.8	13945.1	14062.7	14274.1	14277.8	14434.3	14342.9
7.5°	13608.9	14582.0	15511.7	16413.5	17134.8	17539.2	17856.8	18161.3	18567.7	18762.3	18888.8
5°	15104.4	16227.2	17339.5	18432.7	19422.7	20375.0	21308.5	22118.2	22547.3	23048.7	23495.8
2.5°	16071.7	17491.9	18912.5	20319.5	21463.4	22513.0	23484.5	24386.8	25178.4	25910.7	26529.0
0°	16260.5	17849.9	19331.8	20735.7	22023.6	23320.0	24452.0	25472.2	26334.3	27112.2	27637.0
-2.5°	16071.7	17491.9	18912.5	20319.5	21463.4	22513.0	23484.5	24386.8	25178.4	25910.7	26529.0
-5°	15104.4	16227.2	17339.5	18432.7	19422.7	20375.0	21308.5	22118.2	22547.3	23048.7	23495.8
-7.5°	13608.9	14582.0	15511.7	16413.5	17134.8	17539.2	17856.8	18161.3	18567.7	18762.3	18888.8
-10°	12080.2	12847.8	13307.2	13630.4	13826.8	13945.1	14062.7	14274.1	14277.8	14434.3	14342.9
-12.5°	10218.2	10534.1	10689.0	10731.1	10581.7	10988.3	11151.2	10946.7	11178.6	11136.8	11327.6
-15°	8266.8	8329.3	8201.7	8370.9	8656.8	8753.3	8642.4	8901.5	8974.3	9113.8	9138.5
-17.5°	6441.1	6333.9	6616.5	6794.0	6887.4	6920.7	7113.7	7176.5	7321.5	7404.3	7486.5
-20°	5019.1	5228.3	5372.3	5402.6	5462.2	5622.4	5695.8	5783.0	5841.6	5936.4	6016.6



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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°	4178.6	4261.8	4252.1	4285.8	4425.1	4471.8	4514.2	4624.7	4599.5	4699.7	4717.1
-25°	3426.8	3392.4	3413.0	3523.9	3548.5	3520.0	3634.9	3648.4	3695.8	3701.6	3736.7
-27.5°	2786.9	2763.4	2840.6	2874.1	2838.3	2894.4	2935.1	2917.1	2976.7	2941.4	2991.8
-30°	2283.4	2349.6	2381.8	2353.0	2368.5	2399.3	2385.2	2409.1	2420.6	2402.6	2436.6
-32.5°	1995.2	2008.1	1998.7	1982.4	2007.2	2010.3	1981.6	2016.1	2002.2	2007.2	2020.7
-35°	1740.7	1734.9	1691.2	1717.9	1723.4	1706.0	1711.0	1718.5	1693.5	1713.2	1711.1
-37.5°	1523.1	1503.7	1495.6	1502.3	1498.2	1479.8	1494.4	1490.8	1479.3	1492.3	1486.6
-40°	1346.3	1319.2	1334.1	1331.9	1317.6	1315.5	1323.2	1313.1	1315.0	1322.7	1316.8
-42.5°	1197.7	1194.8	1197.6	1192.6	1177.3	1187.2	1188.4	1176.0	1188.5	1193.9	1190.7
-45°	1076.3	1085.1	1083.2	1074.6	1073.3	1081.9	1081.1	1077.7	1087.7	1092.1	1093.5
-47.5°	983.8	988.3	986.0	973.7	983.8	992.3	992.6	996.8	1005.5	1008.9	1011.5
-50°	898.7	902.4	899.5	896.4	907.7	914.5	916.3	926.3	934.6	939.2	943.5
-52.5°	820.2	824.9	821.7	827.1	838.7	845.2	848.5	860.8	870.0	876.0	882.0
-55°	749.8	753.7	752.3	765.2	775.8	783.1	790.6	802.0	811.0	817.6	824.2
-57.5°	680.9	685.9	690.3	704.2	715.5	724.3	734.4	745.2	754.2	761.7	769.0
-60°	614.2	619.2	628.1	642.0	653.8	663.5	675.0	686.0	695.4	703.3	710.3
-62.5°	549.9	555.7	567.3	580.0	590.5	599.4	612.5	623.8	633.4	641.4	648.1
-65°	486.6	492.4	506.5	519.3	530.4	539.6	550.7	560.8	569.7	577.6	584.3
-67.5°	425.4	432.0	445.0	456.7	467.2	477.0	487.4	496.5	504.6	511.8	518.0
-70°	368.1	374.3	384.8	394.9	404.4	413.3	422.2	430.1	437.1	443.9	450.1
-72.5°	312.5	319.2	327.3	334.9	342.0	349.4	356.8	363.3	368.8	374.1	378.8
-75°	256.3	262.6	269.2	275.2	280.4	285.9	291.4	296.5	300.9	304.7	307.5
-77.5°	200.6	206.2	211.6	216.3	220.3	224.1	227.3	229.8	231.7	234.7	237.4
-80°	148.3	153.3	158.0	161.8	165.0	167.3	169.2	170.7	171.8	173.0	173.9
-82.5°	102.2	105.6	109.0	112.2	115.2	116.9	118.1	118.8	119.3	120.2	121.0
-85°	62.8	63.9	65.1	66.2	67.2	68.3	69.3	70.0	70.6	70.6	70.3
-87.5°	29.3	28.9	28.3	27.6	26.7	26.8	26.7	26.6	26.5	26.2	26.0
-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):

	-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	25.2	26.3	27.4	26.3	25.2	25.6	26.0	26.2	26.5	26.6
85°	69.9	69.3	70.6	71.7	70.6	69.3	69.9	70.3	70.6	70.6	70.0
82.5°	121.5	121.7	122.2	122.3	122.2	121.7	121.5	121.0	120.2	119.3	118.8
80°	174.3	174.2	173.7	172.8	173.7	174.2	174.3	173.9	173.0	171.8	170.7
77.5°	239.5	241.1	242.1	242.4	242.1	241.1	239.5	237.4	234.7	231.7	229.8
75°	309.4	310.4	310.6	309.9	310.6	310.4	309.4	307.5	304.7	300.9	296.5
72.5°	382.7	385.8	386.4	385.8	386.4	385.8	382.7	378.8	374.1	368.8	363.3
70°	455.1	459.1	459.1	457.4	459.1	459.1	455.1	450.1	443.9	437.1	430.1
67.5°	522.9	526.6	529.4	531.2	529.4	526.6	522.9	518.0	511.8	504.6	496.5
65°	589.7	593.7	595.8	596.5	595.8	593.7	589.7	584.3	577.6	569.7	560.8
62.5°	653.3	656.9	659.1	659.8	659.1	656.9	653.3	648.1	641.4	633.4	623.8
60°	715.9	719.8	720.5	718.8	720.5	719.8	715.9	710.3	703.3	695.4	686.0
57.5°	774.6	778.7	778.6	775.7	778.6	778.7	774.6	769.0	761.7	754.2	745.2
55°	829.0	831.9	833.1	832.6	833.1	831.9	829.0	824.2	817.6	811.0	802.0
52.5°	886.6	888.9	889.9	889.5	889.9	888.9	886.6	882.0	876.0	870.0	860.8
50°	946.6	946.9	946.8	946.5	946.8	946.9	946.6	943.5	939.2	934.6	926.3
47.5°	1015.2	1015.9	1016.0	1016.0	1016.0	1015.9	1015.2	1011.5	1008.9	1005.5	996.8
45°	1096.3	1094.0	1091.7	1091.9	1091.7	1094.0	1096.3	1093.5	1092.1	1087.7	1077.7
42.5°	1193.6	1191.2	1188.1	1188.9	1188.1	1191.2	1193.6	1190.7	1193.9	1188.5	1176.0
40°	1321.9	1321.3	1316.9	1315.3	1316.9	1321.3	1321.9	1316.8	1322.7	1315.0	1313.1
37.5°	1487.5	1485.1	1475.5	1471.3	1475.5	1485.1	1487.5	1486.6	1492.3	1479.3	1490.8
35°	1705.3	1702.0	1687.3	1688.4	1687.3	1702.0	1705.3	1711.1	1713.2	1693.5	1718.5
32.5°	2014.0	2015.1	1992.8	1987.8	1992.8	2015.1	2014.0	2020.7	2007.2	2002.2	2016.1
30°	2415.5	2424.3	2398.2	2409.4	2398.2	2424.3	2415.5	2436.6	2402.6	2420.6	2409.1
27.5°	2990.9	3007.7	2984.6	2965.9	2984.6	3007.7	2990.9	2991.8	2941.4	2976.7	2917.1
25°	3782.9	3795.4	3768.9	3745.8	3768.9	3795.4	3782.9	3736.7	3701.6	3695.8	3648.4
22.5°	4813.8	4813.0	4811.7	4848.2	4811.7	4813.0	4813.8	4717.1	4699.7	4599.5	4624.7
20°	6068.4	6038.0	6083.5	6113.0	6083.5	6038.0	6068.4	6016.6	5936.4	5841.6	5783.0
17.5°	7505.6	7562.6	7606.2	7679.2	7606.2	7562.6	7505.6	7486.5	7404.3	7321.5	7176.5
15°	9200.3	9286.3	9330.0	9306.5	9330.0	9286.3	9200.3	9138.5	9113.8	8974.3	8901.5
12.5°	11334.3	11437.0	11361.2	11266.9	11361.2	11437.0	11334.3	11327.6	11136.8	11178.6	10946.7
10°	14344.3	14565.2	14577.6	14392.9	14577.6	14565.2	14344.3	14342.9	14434.3	14277.8	14274.1
7.5°	18962.4	19069.7	19232.9	19241.2	19232.9	19069.7	18962.4	18888.8	18762.3	18567.7	18161.3
5°	23698.4	23984.5	24168.9	24487.8	24168.9	23984.5	23698.4	23495.8	23048.7	22547.3	22118.2
2.5°	26928.4	27298.2	27440.1	27801.4	27440.1	27298.2	26928.4	26529.0	25910.7	25178.4	24386.8
0°	28105.0	28404.3	28583.5	28726.8	28583.5	28404.3	28105.0	27637.0	27112.2	26334.3	25472.2
-2.5°	26928.4	27298.2	27440.1	27801.4	27440.1	27298.2	26928.4	26529.0	25910.7	25178.4	24386.8
-5°	23698.4	23984.5	24168.9	24487.8	24168.9	23984.5	23698.4	23495.8	23048.7	22547.3	22118.2
-7.5°	18962.4	19069.7	19232.9	19241.2	19232.9	19069.7	18962.4	18888.8	18762.3	18567.7	18161.3
-10°	14344.3	14565.2	14577.6	14392.9	14577.6	14565.2	14344.3	14342.9	14434.3	14277.8	14274.1
-12.5°	11334.3	11437.0	11361.2	11266.9	11361.2	11437.0	11334.3	11327.6	11136.8	11178.6	10946.7
-15°	9200.3	9286.3	9330.0	9306.5	9330.0	9286.3	9200.3	9138.5	9113.8	8974.3	8901.5
-17.5°	7505.6	7562.6	7606.2	7679.2	7606.2	7562.6	7505.6	7486.5	7404.3	7321.5	7176.5
-20°	6068.4	6038.0	6083.5	6113.0	6083.5	6038.0	6068.4	6016.6	5936.4	5841.6	5783.0



REPORT NUMBER: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4813.8	4813.0	4811.7	4848.2	4811.7	4813.0	4813.8	4717.1	4699.7	4599.5	4624.7
-25°	3782.9	3795.4	3768.9	3745.8	3768.9	3795.4	3782.9	3736.7	3701.6	3695.8	3648.4
-27.5°	2990.9	3007.7	2984.6	2965.9	2984.6	3007.7	2990.9	2991.8	2941.4	2976.7	2917.1
-30°	2415.5	2424.3	2398.2	2409.4	2398.2	2424.3	2415.5	2436.6	2402.6	2420.6	2409.1
-32.5°	2014.0	2015.1	1992.8	1987.8	1992.8	2015.1	2014.0	2020.7	2007.2	2002.2	2016.1
-35°	1705.3	1702.0	1687.3	1688.4	1687.3	1702.0	1705.3	1711.1	1713.2	1693.5	1718.5
-37.5°	1487.5	1485.1	1475.5	1471.3	1475.5	1485.1	1487.5	1486.6	1492.3	1479.3	1490.8
-40°	1321.9	1321.3	1316.9	1315.3	1316.9	1321.3	1321.9	1316.8	1322.7	1315.0	1313.1
-42.5°	1193.6	1191.2	1188.1	1188.9	1188.1	1191.2	1193.6	1190.7	1193.9	1188.5	1176.0
-45°	1096.3	1094.0	1091.7	1091.9	1091.7	1094.0	1096.3	1093.5	1092.1	1087.7	1077.7
-47.5°	1015.2	1015.9	1016.0	1016.0	1016.0	1015.9	1015.2	1011.5	1008.9	1005.5	996.8
-50°	946.6	946.9	946.8	946.5	946.8	946.9	946.6	943.5	939.2	934.6	926.3
-52.5°	886.6	888.9	889.9	889.5	889.9	888.9	886.6	882.0	876.0	870.0	860.8
-55°	829.0	831.9	833.1	832.6	833.1	831.9	829.0	824.2	817.6	811.0	802.0
-57.5°	774.6	778.7	778.6	775.7	778.6	778.7	774.6	769.0	761.7	754.2	745.2
-60°	715.9	719.8	720.5	718.8	720.5	719.8	715.9	710.3	703.3	695.4	686.0
-62.5°	653.3	656.9	659.1	659.8	659.1	656.9	653.3	648.1	641.4	633.4	623.8
-65°	589.7	593.7	595.8	596.5	595.8	593.7	589.7	584.3	577.6	569.7	560.8
-67.5°	522.9	526.6	529.4	531.2	529.4	526.6	522.9	518.0	511.8	504.6	496.5
-70°	455.1	459.1	459.1	457.4	459.1	459.1	455.1	450.1	443.9	437.1	430.1
-72.5°	382.7	385.8	386.4	385.8	386.4	385.8	382.7	378.8	374.1	368.8	363.3
-75°	309.4	310.4	310.6	309.9	310.6	310.4	309.4	307.5	304.7	300.9	296.5
-77.5°	239.5	241.1	242.1	242.4	242.1	241.1	239.5	237.4	234.7	231.7	229.8
-80°	174.3	174.2	173.7	172.8	173.7	174.2	174.3	173.9	173.0	171.8	170.7
-82.5°	121.5	121.7	122.2	122.3	122.2	121.7	121.5	121.0	120.2	119.3	118.8
-85°	69.9	69.3	70.6	71.7	70.6	69.3	69.9	70.3	70.6	70.6	70.0
-87.5°	25.6	25.2	26.3	27.4	26.3	25.2	25.6	26.0	26.2	26.5	26.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.7	26.8	26.7	27.6	28.3	28.9	29.3	28.4	27.4	26.4	25.3
85°	69.3	68.3	67.2	66.2	65.1	63.9	62.8	61.8	60.5	58.8	56.8
82.5°	118.1	116.9	115.2	112.2	109.0	105.6	102.2	100.4	98.3	95.9	93.2
80°	169.2	167.3	165.0	161.8	158.0	153.3	148.3	144.6	140.2	135.9	132.5
77.5°	227.3	224.1	220.3	216.3	211.6	206.2	200.6	195.7	190.3	184.2	178.9
75°	291.4	285.9	280.4	275.2	269.2	262.6	256.3	250.6	243.7	235.6	229.3
72.5°	356.8	349.4	342.0	334.9	327.3	319.2	312.5	306.7	299.0	289.6	283.2
70°	422.2	413.3	404.4	394.9	384.8	374.3	368.1	362.7	355.6	346.0	340.3
67.5°	487.4	477.0	467.2	456.7	445.0	432.0	425.4	418.3	410.2	400.6	398.0
65°	550.7	539.6	530.4	519.3	506.5	492.4	486.6	478.8	468.9	458.3	456.7
62.5°	612.5	599.4	590.5	580.0	567.3	555.7	549.9	541.2	529.7	521.9	520.8
60°	675.0	663.5	653.8	642.0	628.1	619.2	614.2	605.2	592.1	588.9	587.6
57.5°	734.4	724.3	715.5	704.2	690.3	685.9	680.9	671.4	658.0	659.8	656.8
55°	790.6	783.1	775.8	765.2	752.3	753.7	749.8	740.5	732.5	735.0	731.2
52.5°	848.5	845.2	838.7	827.1	821.7	824.9	820.2	811.2	812.8	815.5	809.5
50°	916.3	914.5	907.7	896.4	899.5	902.4	898.7	887.3	898.2	900.6	892.7
47.5°	992.6	992.3	983.8	973.7	986.0	988.3	983.8	984.6	993.9	991.3	981.6
45°	1081.1	1081.9	1073.3	1074.6	1083.2	1085.1	1076.3	1092.6	1098.4	1093.0	1075.5
42.5°	1188.4	1187.2	1177.3	1192.6	1197.6	1194.8	1197.7	1214.6	1214.8	1202.6	1203.5
40°	1323.2	1315.5	1317.6	1331.9	1334.1	1319.2	1346.3	1352.9	1346.9	1324.2	1356.1
37.5°	1494.4	1479.8	1498.2	1502.3	1495.6	1503.7	1523.1	1519.1	1493.6	1515.9	1535.8
35°	1711.0	1706.0	1723.4	1717.9	1691.2	1734.9	1740.7	1713.4	1704.2	1745.1	1742.7
32.5°	1981.6	2010.3	2007.2	1982.4	1998.7	2008.1	1995.2	1949.2	2008.1	2023.7	1987.7
30°	2385.2	2399.3	2368.5	2353.0	2381.8	2349.6	2283.4	2350.7	2376.3	2344.4	2264.6
27.5°	2935.1	2894.4	2838.3	2874.1	2840.6	2763.4	2786.9	2821.0	2791.3	2714.4	2623.9
25°	3634.9	3520.0	3548.5	3523.9	3413.0	3392.4	3426.8	3388.2	3280.9	3165.8	3292.5
22.5°	4514.2	4471.8	4425.1	4285.8	4252.1	4261.8	4178.6	4023.4	3929.2	4050.0	4053.9
20°	5695.8	5622.4	5462.2	5402.6	5372.3	5228.3	5019.1	4997.8	5096.8	5046.0	4893.0
17.5°	7113.7	6920.7	6887.4	6794.0	6616.5	6333.9	6441.1	6478.1	6383.8	6120.1	5798.9
15°	8642.4	8753.3	8656.8	8370.9	8201.7	8329.3	8266.8	8060.5	7774.5	7292.0	6745.3
12.5°	11151.2	10988.3	10581.7	10731.1	10689.0	10534.1	10218.2	9764.4	9170.4	8388.8	7601.4
10°	14062.7	13945.1	13826.8	13630.4	13307.2	12847.8	12080.2	11227.7	10340.3	9418.5	8461.9
7.5°	17856.8	17539.2	17134.8	16413.5	15511.7	14582.0	13608.9	12591.6	11508.0	10432.4	9314.7
5°	21308.5	20375.0	19422.7	18432.7	17339.5	16227.2	15104.4	13932.1	12655.2	11416.8	10141.5
2.5°	23484.5	22513.0	21463.4	20319.5	18912.5	17491.9	16071.7	14652.0	13131.8	11700.0	10269.0
0°	24452.0	23320.0	22023.6	20735.7	19331.8	17849.9	16260.5	14804.0	13248.3	11791.7	10341.5
-2.5°	23484.5	22513.0	21463.4	20319.5	18912.5	17491.9	16071.7	14652.0	13131.8	11700.0	10269.0
-5°	21308.5	20375.0	19422.7	18432.7	17339.5	16227.2	15104.4	13932.1	12655.2	11416.8	10141.5
-7.5°	17856.8	17539.2	17134.8	16413.5	15511.7	14582.0	13608.9	12591.6	11508.0	10432.4	9314.7
-10°	14062.7	13945.1	13826.8	13630.4	13307.2	12847.8	12080.2	11227.7	10340.3	9418.5	8461.9
-12.5°	11151.2	10988.3	10581.7	10731.1	10689.0	10534.1	10218.2	9764.4	9170.4	8388.8	7601.4
-15°	8642.4	8753.3	8656.8	8370.9	8201.7	8329.3	8266.8	8060.5	7774.5	7292.0	6745.3
-17.5°	7113.7	6920.7	6887.4	6794.0	6616.5	6333.9	6441.1	6478.1	6383.8	6120.1	5798.9
-20°	5695.8	5622.4	5462.2	5402.6	5372.3	5228.3	5019.1	4997.8	5096.8	5046.0	4893.0



REPORT NUMBER: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4514.2	4471.8	4425.1	4285.8	4252.1	4261.8	4178.6	4023.4	3929.2	4050.0	4053.9
-25°	3634.9	3520.0	3548.5	3523.9	3413.0	3392.4	3426.8	3388.2	3280.9	3165.8	3292.5
-27.5°	2935.1	2894.4	2838.3	2874.1	2840.6	2763.4	2786.9	2821.0	2791.3	2714.4	2623.9
-30°	2385.2	2399.3	2368.5	2353.0	2381.8	2349.6	2283.4	2350.7	2376.3	2344.4	2264.6
-32.5°	1981.6	2010.3	2007.2	1982.4	1998.7	2008.1	1995.2	1949.2	2008.1	2023.7	1987.7
-35°	1711.0	1706.0	1723.4	1717.9	1691.2	1734.9	1740.7	1713.4	1704.2	1745.1	1742.7
-37.5°	1494.4	1479.8	1498.2	1502.3	1495.6	1503.7	1523.1	1519.1	1493.6	1515.9	1535.8
-40°	1323.2	1315.5	1317.6	1331.9	1334.1	1319.2	1346.3	1352.9	1346.9	1324.2	1356.1
-42.5°	1188.4	1187.2	1177.3	1192.6	1197.6	1194.8	1197.7	1214.6	1214.8	1202.6	1203.5
-45°	1081.1	1081.9	1073.3	1074.6	1083.2	1085.1	1076.3	1092.6	1098.4	1093.0	1075.5
-47.5°	992.6	992.3	983.8	973.7	986.0	988.3	983.8	984.6	993.9	991.3	981.6
-50°	916.3	914.5	907.7	896.4	899.5	902.4	898.7	887.3	898.2	900.6	892.7
-52.5°	848.5	845.2	838.7	827.1	821.7	824.9	820.2	811.2	812.8	815.5	809.5
-55°	790.6	783.1	775.8	765.2	752.3	753.7	749.8	740.5	732.5	735.0	731.2
-57.5°	734.4	724.3	715.5	704.2	690.3	685.9	680.9	671.4	658.0	659.8	656.8
-60°	675.0	663.5	653.8	642.0	628.1	619.2	614.2	605.2	592.1	588.9	587.6
-62.5°	612.5	599.4	590.5	580.0	567.3	555.7	549.9	541.2	529.7	521.9	520.8
-65°	550.7	539.6	530.4	519.3	506.5	492.4	486.6	478.8	468.9	458.3	456.7
-67.5°	487.4	477.0	467.2	456.7	445.0	432.0	425.4	418.3	410.2	400.6	398.0
-70°	422.2	413.3	404.4	394.9	384.8	374.3	368.1	362.7	355.6	346.0	340.3
-72.5°	356.8	349.4	342.0	334.9	327.3	319.2	312.5	306.7	299.0	289.6	283.2
-75°	291.4	285.9	280.4	275.2	269.2	262.6	256.3	250.6	243.7	235.6	229.3
-77.5°	227.3	224.1	220.3	216.3	211.6	206.2	200.6	195.7	190.3	184.2	178.9
-80°	169.2	167.3	165.0	161.8	158.0	153.3	148.3	144.6	140.2	135.9	132.5
-82.5°	118.1	116.9	115.2	112.2	109.0	105.6	102.2	100.4	98.3	95.9	93.2
-85°	69.3	68.3	67.2	66.2	65.1	63.9	62.8	61.8	60.5	58.8	56.8
-87.5°	26.7	26.8	26.7	27.6	28.3	28.9	29.3	28.4	27.4	26.4	25.3
-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: P559062 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.5	23.7	22.8	21.7	20.7	19.5	18.3	16.9	15.7	14.4	13.0
85°	54.8	52.5	49.8	46.6	43.1	39.0	36.5	33.9	31.5	28.9	26.0
82.5°	90.7	87.8	84.5	80.6	77.2	72.7	67.1	60.3	52.6	44.2	39.0
80°	131.4	128.8	124.6	119.0	113.2	106.6	100.3	92.3	82.6	71.8	59.9
77.5°	176.6	172.8	167.5	161.5	154.1	145.6	135.9	124.9	112.5	99.3	84.9
75°	225.6	221.1	215.1	206.9	196.5	184.7	172.9	159.8	144.8	127.2	109.7
72.5°	279.1	272.8	264.4	253.4	241.3	227.3	211.4	194.9	178.1	158.3	135.5
70°	334.6	326.4	316.4	304.7	289.2	270.2	252.0	233.3	211.6	189.4	164.0
67.5°	391.9	382.7	370.5	357.5	341.0	320.0	294.0	273.0	249.6	220.7	192.4
65°	451.6	441.2	426.2	413.2	394.7	371.3	343.5	315.5	288.0	256.7	220.8
62.5°	514.3	502.7	488.4	471.4	450.3	424.6	393.9	364.0	328.1	292.9	252.6
60°	580.6	568.0	553.4	535.2	509.7	479.2	447.7	412.8	373.6	329.3	285.7
57.5°	649.1	635.4	623.2	602.1	573.4	537.7	503.7	465.6	419.3	370.0	318.9
55°	720.2	707.4	696.4	673.7	640.3	600.1	564.7	521.3	466.7	411.7	351.9
52.5°	796.2	787.2	773.9	748.6	712.0	669.0	633.8	578.6	520.3	453.3	388.9
50°	876.3	876.1	858.6	828.1	786.3	750.7	706.5	646.6	574.9	497.3	426.6
47.5°	975.0	973.6	953.1	913.5	865.5	838.7	788.7	718.2	630.3	547.5	464.4
45°	1087.3	1079.7	1054.6	1010.2	967.3	938.5	877.5	792.4	697.9	598.9	502.4
42.5°	1211.8	1198.3	1163.5	1111.8	1094.4	1048.8	971.1	876.9	767.1	650.3	544.4
40°	1357.7	1329.2	1281.1	1254.9	1236.8	1168.4	1079.1	965.8	837.7	705.2	588.9
37.5°	1519.0	1477.2	1413.1	1432.9	1395.2	1310.7	1194.7	1057.5	911.7	767.4	632.8
35°	1707.7	1642.3	1643.8	1641.0	1576.8	1462.8	1316.2	1157.0	993.5	829.4	676.1
32.5°	1914.1	1897.1	1926.2	1879.1	1775.4	1624.3	1452.3	1266.4	1076.5	890.9	718.7
30°	2207.1	2277.3	2246.3	2141.0	1994.7	1809.5	1598.4	1378.3	1160.2	951.8	762.5
27.5°	2712.5	2710.1	2606.7	2443.7	2240.8	2006.0	1746.1	1492.2	1244.3	1015.5	812.1
25°	3283.0	3201.2	3023.5	2776.7	2501.8	2202.6	1896.2	1607.8	1335.7	1084.2	860.2
22.5°	3934.4	3736.2	3475.3	3131.4	2759.9	2404.8	2056.1	1734.2	1430.2	1151.6	906.7
20°	4638.9	4306.8	3948.2	3479.1	3038.5	2625.0	2225.4	1859.6	1523.5	1217.3	951.2
17.5°	5393.4	4895.6	4398.5	3855.7	3330.9	2847.1	2394.4	1982.8	1614.6	1280.7	993.6
15°	6124.4	5484.3	4862.1	4234.9	3624.4	3068.7	2561.2	2103.0	1702.9	1341.5	1026.9
12.5°	6844.9	6081.1	5332.1	4612.3	3915.7	3287.2	2724.2	2218.9	1787.5	1385.0	1048.6
10°	7564.2	6677.8	5801.8	4983.2	4200.9	3500.0	2881.4	2309.3	1827.4	1412.8	1066.6
7.5°	8272.5	7265.2	6263.5	5342.4	4446.6	3639.2	2948.6	2350.2	1853.6	1435.3	1080.8
5°	8850.5	7648.5	6473.6	5449.0	4515.6	3694.4	2990.1	2382.0	1871.8	1452.3	1091.2
2.5°	8928.5	7711.5	6504.8	5491.0	4561.7	3732.1	3017.6	2404.0	1882.0	1463.6	1097.7
0°	8958.7	7731.9	6500.8	5503.8	4584.7	3752.1	3031.2	2415.7	1884.5	1469.2	1100.3
-2.5°	8928.5	7711.5	6504.8	5491.0	4561.7	3732.1	3017.6	2404.0	1882.0	1463.6	1097.7
-5°	8850.5	7648.5	6473.6	5449.0	4515.6	3694.4	2990.1	2382.0	1871.8	1452.3	1091.2
-7.5°	8272.5	7265.2	6263.5	5342.4	4446.6	3639.2	2948.6	2350.2	1853.6	1435.3	1080.8
-10°	7564.2	6677.8	5801.8	4983.2	4200.9	3500.0	2881.4	2309.3	1827.4	1412.8	1066.6
-12.5°	6844.9	6081.1	5332.1	4612.3	3915.7	3287.2	2724.2	2218.9	1787.5	1385.0	1048.6
-15°	6124.4	5484.3	4862.1	4234.9	3624.4	3068.7	2561.2	2103.0	1702.9	1341.5	1026.9
-17.5°	5393.4	4895.6	4398.5	3855.7	3330.9	2847.1	2394.4	1982.8	1614.6	1280.7	993.6
-20°	4638.9	4306.8	3948.2	3479.1	3038.5	2625.0	2225.4	1859.6	1523.5	1217.3	951.2



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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°	3934.4	3736.2	3475.3	3131.4	2759.9	2404.8	2056.1	1734.2	1430.2	1151.6	906.7
-25°	3283.0	3201.2	3023.5	2776.7	2501.8	2202.6	1896.2	1607.8	1335.7	1084.2	860.2
-27.5°	2712.5	2710.1	2606.7	2443.7	2240.8	2006.0	1746.1	1492.2	1244.3	1015.5	812.1
-30°	2207.1	2277.3	2246.3	2141.0	1994.7	1809.5	1598.4	1378.3	1160.2	951.8	762.5
-32.5°	1914.1	1897.1	1926.2	1879.1	1775.4	1624.3	1452.3	1266.4	1076.5	890.9	718.7
-35°	1707.7	1642.3	1643.8	1641.0	1576.8	1462.8	1316.2	1157.0	993.5	829.4	676.1
-37.5°	1519.0	1477.2	1413.1	1432.9	1395.2	1310.7	1194.7	1057.5	911.7	767.4	632.8
-40°	1357.7	1329.2	1281.1	1254.9	1236.8	1168.4	1079.1	965.8	837.7	705.2	588.9
-42.5°	1211.8	1198.3	1163.5	1111.8	1094.4	1048.8	971.1	876.9	767.1	650.3	544.4
-45°	1087.3	1079.7	1054.6	1010.2	967.3	938.5	877.5	792.4	697.9	598.9	502.4
-47.5°	975.0	973.6	953.1	913.5	865.5	838.7	788.7	718.2	630.3	547.5	464.4
-50°	876.3	876.1	858.6	828.1	786.3	750.7	706.5	646.6	574.9	497.3	426.6
-52.5°	796.2	787.2	773.9	748.6	712.0	669.0	633.8	578.6	520.3	453.3	388.9
-55°	720.2	707.4	696.4	673.7	640.3	600.1	564.7	521.3	466.7	411.7	351.9
-57.5°	649.1	635.4	623.2	602.1	573.4	537.7	503.7	465.6	419.3	370.0	318.9
-60°	580.6	568.0	553.4	535.2	509.7	479.2	447.7	412.8	373.6	329.3	285.7
-62.5°	514.3	502.7	488.4	471.4	450.3	424.6	393.9	364.0	328.1	292.9	252.6
-65°	451.6	441.2	426.2	413.2	394.7	371.3	343.5	315.5	288.0	256.7	220.8
-67.5°	391.9	382.7	370.5	357.5	341.0	320.0	294.0	273.0	249.6	220.7	192.4
-70°	334.6	326.4	316.4	304.7	289.2	270.2	252.0	233.3	211.6	189.4	164.0
-72.5°	279.1	272.8	264.4	253.4	241.3	227.3	211.4	194.9	178.1	158.3	135.5
-75°	225.6	221.1	215.1	206.9	196.5	184.7	172.9	159.8	144.8	127.2	109.7
-77.5°	176.6	172.8	167.5	161.5	154.1	145.6	135.9	124.9	112.5	99.3	84.9
-80°	131.4	128.8	124.6	119.0	113.2	106.6	100.3	92.3	82.6	71.8	59.9
-82.5°	90.7	87.8	84.5	80.6	77.2	72.7	67.1	60.3	52.6	44.2	39.0
-85°	54.8	52.5	49.8	46.6	43.1	39.0	36.5	33.9	31.5	28.9	26.0
-87.5°	24.5	23.7	22.8	21.7	20.7	19.5	18.3	16.9	15.7	14.4	13.0
-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°	11.5	10.2	8.6	6.8	4.8	2.4	0.0
85°	22.9	20.3	17.2	13.6	9.5	4.8	0.0
82.5°	34.4	30.5	25.8	20.4	14.3	7.2	0.0
80°	47.2	40.6	34.4	27.2	19.0	9.5	0.0
77.5°	69.4	53.9	42.9	33.9	23.7	11.9	0.0
75°	91.5	73.0	52.7	40.6	28.3	14.2	0.0
72.5°	113.5	92.0	68.4	47.3	32.9	16.5	0.0
70°	135.9	110.9	84.0	54.9	37.4	18.7	0.0
67.5°	161.6	129.6	99.4	66.8	41.9	21.0	0.0
65°	187.1	150.0	114.7	78.5	46.3	23.2	0.0
62.5°	212.5	171.9	129.8	90.1	50.6	25.3	0.0
60°	237.7	193.6	144.6	101.5	54.7	27.4	0.0
57.5°	266.4	215.1	162.1	112.7	62.2	29.4	0.0
55°	295.2	236.3	179.5	123.6	69.5	31.4	0.0
52.5°	323.5	257.8	196.6	134.3	76.5	33.4	0.0
50°	351.5	281.3	213.3	144.8	83.4	35.2	0.0
47.5°	379.8	304.3	229.7	155.5	90.1	37.0	0.0
45°	412.5	326.8	245.7	167.5	96.5	38.7	0.0
42.5°	445.0	348.8	261.3	179.2	102.7	40.4	0.0
40°	477.2	370.1	277.4	190.1	108.6	42.0	0.0
37.5°	509.0	390.8	293.7	200.2	114.3	43.5	0.0
35°	540.3	414.3	309.5	209.7	119.7	44.9	0.0
32.5°	572.4	438.9	324.6	218.6	124.8	46.2	0.0
30°	606.7	462.6	338.9	226.8	129.6	47.5	0.0
27.5°	639.8	485.6	350.9	234.3	134.1	48.6	0.0
25°	671.6	507.5	361.9	241.1	138.2	49.7	0.0
22.5°	702.1	527.1	372.1	247.3	142.1	50.6	0.0
20°	731.0	542.1	381.5	252.8	145.6	51.5	0.0
17.5°	752.8	555.2	390.0	257.5	148.7	52.3	0.0
15°	769.0	566.5	397.5	261.6	151.5	52.9	0.0
12.5°	782.9	576.0	404.1	265.0	153.9	53.5	0.0
10°	794.4	583.6	409.7	267.8	155.9	54.0	0.0
7.5°	803.5	589.5	414.3	269.8	157.6	54.3	0.0
5°	810.1	593.6	417.9	271.2	158.8	54.6	0.0
2.5°	814.2	595.9	420.3	271.9	159.7	54.7	0.0
0°	815.8	596.5	421.6	271.9	160.2	54.8	0.0
-2.5°	814.2	595.9	420.3	271.9	159.7	54.7	0.0
-5°	810.1	593.6	417.9	271.2	158.8	54.6	0.0
-7.5°	803.5	589.5	414.3	269.8	157.6	54.3	0.0
-10°	794.4	583.6	409.7	267.8	155.9	54.0	0.0
-12.5°	782.9	576.0	404.1	265.0	153.9	53.5	0.0
-15°	769.0	566.5	397.5	261.6	151.5	52.9	0.0
-17.5°	752.8	555.2	390.0	257.5	148.7	52.3	0.0
-20°	731.0	542.1	381.5	252.8	145.6	51.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	702.1	527.1	372.1	247.3	142.1	50.6	0.0
-25°	671.6	507.5	361.9	241.1	138.2	49.7	0.0
-27.5°	639.8	485.6	350.9	234.3	134.1	48.6	0.0
-30°	606.7	462.6	338.9	226.8	129.6	47.5	0.0
-32.5°	572.4	438.9	324.6	218.6	124.8	46.2	0.0
-35°	540.3	414.3	309.5	209.7	119.7	44.9	0.0
-37.5°	509.0	390.8	293.7	200.2	114.3	43.5	0.0
-40°	477.2	370.1	277.4	190.1	108.6	42.0	0.0
-42.5°	445.0	348.8	261.3	179.2	102.7	40.4	0.0
-45°	412.5	326.8	245.7	167.5	96.5	38.7	0.0
-47.5°	379.8	304.3	229.7	155.5	90.1	37.0	0.0
-50°	351.5	281.3	213.3	144.8	83.4	35.2	0.0
-52.5°	323.5	257.8	196.6	134.3	76.5	33.4	0.0
-55°	295.2	236.3	179.5	123.6	69.5	31.4	0.0
-57.5°	266.4	215.1	162.1	112.7	62.2	29.4	0.0
-60°	237.7	193.6	144.6	101.5	54.7	27.4	0.0
-62.5°	212.5	171.9	129.8	90.1	50.6	25.3	0.0
-65°	187.1	150.0	114.7	78.5	46.3	23.2	0.0
-67.5°	161.6	129.6	99.4	66.8	41.9	21.0	0.0
-70°	135.9	110.9	84.0	54.9	37.4	18.7	0.0
-72.5°	113.5	92.0	68.4	47.3	32.9	16.5	0.0
-75°	91.5	73.0	52.7	40.6	28.3	14.2	0.0
-77.5°	69.4	53.9	42.9	33.9	23.7	11.9	0.0
-80°	47.2	40.6	34.4	27.2	19.0	9.5	0.0
-82.5°	34.4	30.5	25.8	20.4	14.3	7.2	0.0
-85°	22.9	20.3	17.2	13.6	9.5	4.8	0.0
-87.5°	11.5	10.2	8.6	6.8	4.8	2.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)