

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: P558886 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-930-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558886 (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-SA4B-930-U-NAT-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

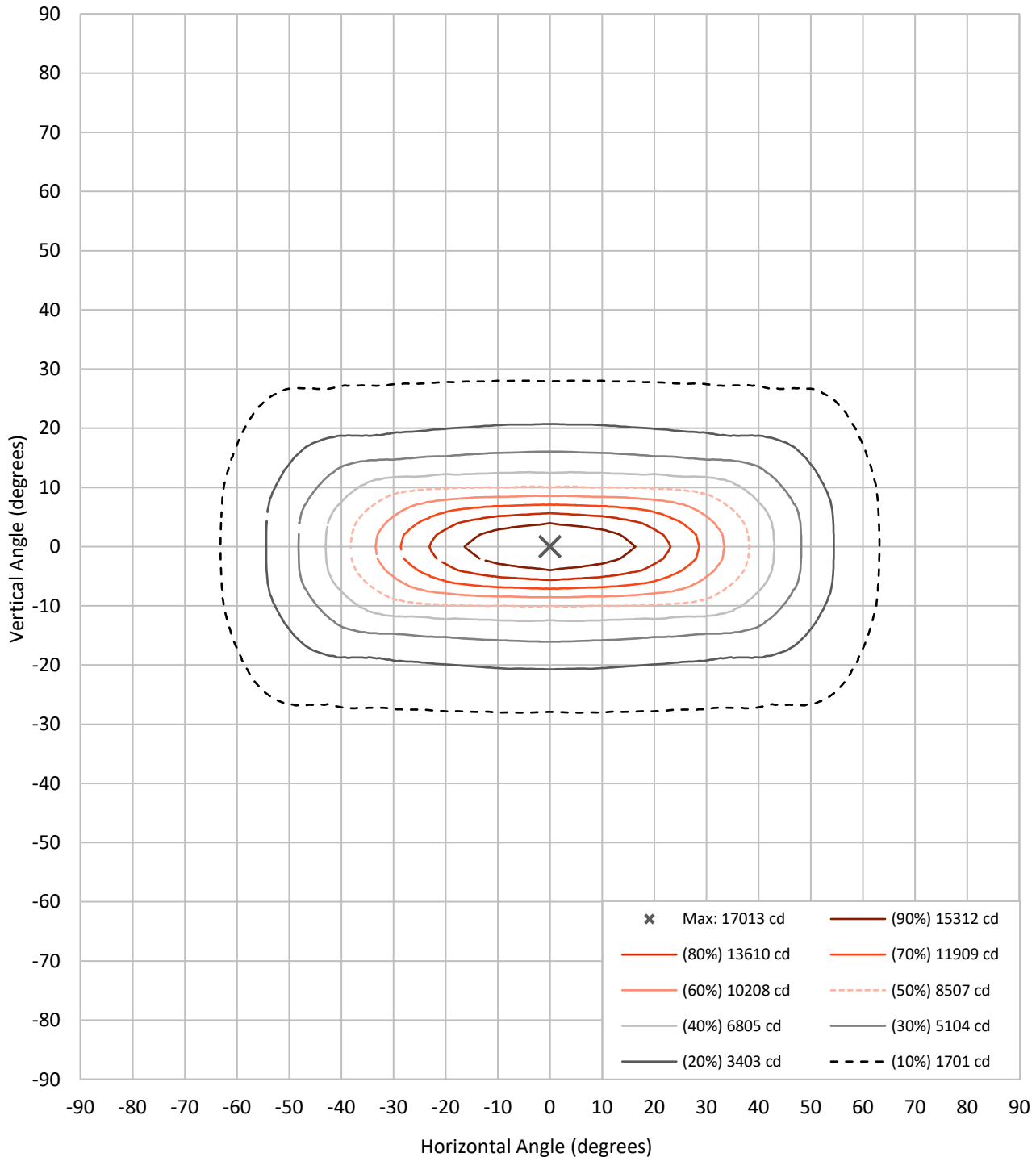
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	12184.4 lumens	Max Intensity:	17013 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	4874.9 lumens	Field Lumens:	9986.4 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 126
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Candela Plot





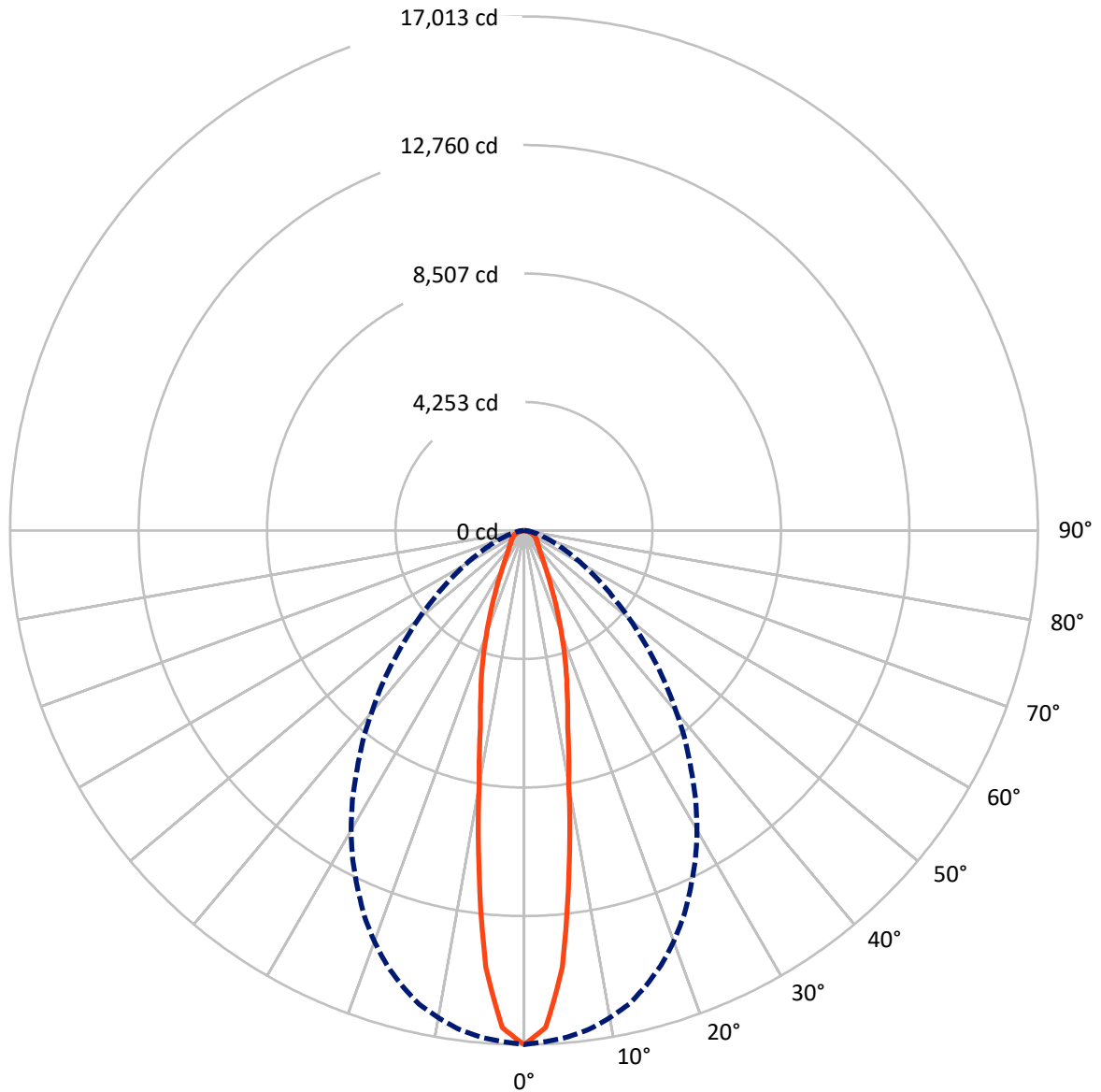
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Lumen Table

90																			
80	0.6	4.2		8.5		12.4		14.0		12.4		8.5		4.2		0.6			
70																			
60	2.6	2.4	4.3	5.8	7.2	8.6	9.9	10.6	10.6	9.9	8.6	7.2	5.8	4.3	2.4	2.6			
50		4.0	6.9	9.3	11.1	12.7	14.1	14.9	14.9	14.1	12.7	11.1	9.3	6.9	4.0				
40	5.2	6.1	10.6	14.0	16.2	17.8	19.2	19.9	19.9	19.2	17.8	16.2	14.0	10.6	6.1	5.2			
30		9.0	16.9	22.4	26.1	28.8	30.8	31.7	31.7	30.8	28.8	26.1	22.4	16.9	9.0				
20	8.0	12.6	28.8	42.9	51.9	60.2	67.0	70.9	70.9	67.0	60.2	51.9	42.9	28.8	12.6	8.0			
10		16.7	44.4	85.5	122.9	146.5	163.1	172.5	172.5	163.1	146.5	122.9	85.5	44.4	16.7				
0	9.2	19.1	57.0	125.9	217.8	308.9	376.0	411.2	411.2	376.0	308.9	217.8	125.9	57.0	19.1	9.2			
-10		19.1	57.0	125.9	217.8	308.9	376.0	411.2	411.2	376.0	308.9	217.8	125.9	57.0	19.1				
-20	8.0	16.7	44.4	85.5	122.9	146.5	163.1	172.5	172.5	163.1	146.5	122.9	85.5	44.4	16.7	8.0			
-30		12.6	28.8	42.9	51.9	60.2	67.0	70.9	70.9	67.0	60.2	51.9	42.9	28.8	12.6				
-40	5.2	9.0	16.9	22.4	26.1	28.8	30.8	31.7	31.7	30.8	28.8	26.1	22.4	16.9	9.0	5.2			
-50		6.1	10.6	14.0	16.2	17.8	19.2	19.9	19.9	19.2	17.8	16.2	14.0	10.6	6.1				
-60	2.6	4.0	6.9	9.3	11.1	12.7	14.1	14.9	14.9	14.1	12.7	11.1	9.3	6.9	4.0	2.6			
-70		2.4	4.3	5.8	7.2	8.6	9.9	10.6	10.6	9.9	8.6	7.2	5.8	4.3	2.4				
-80	0.6	4.2		8.5		12.4		14.0		12.4		8.5		4.2		0.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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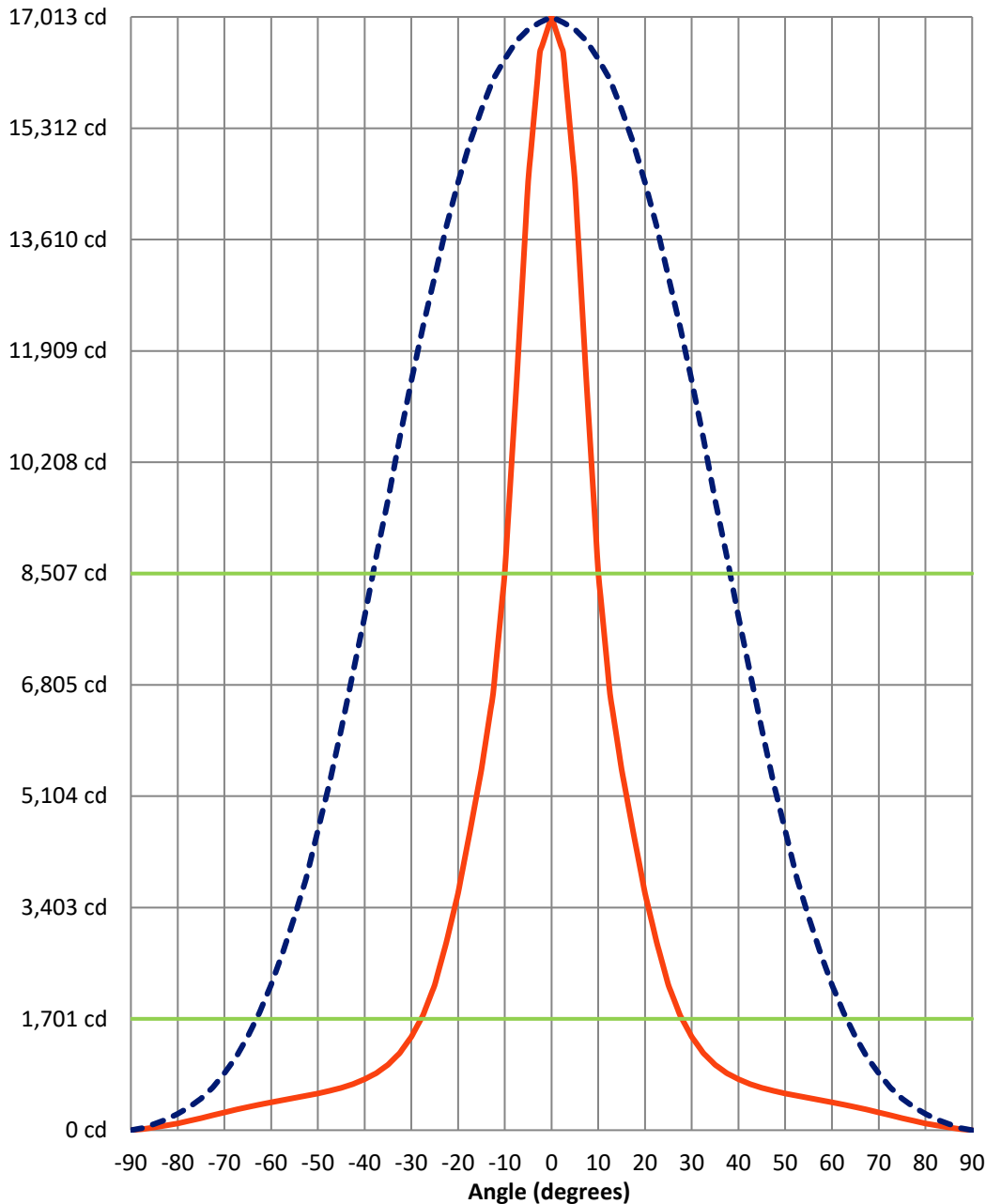
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 76.4°
V Angle: 20°
Lumens: 4874.9
Efficiency: 40.0%

Field:
H Angle: 126.3°
V Angle: 55.8°
Lumens: 9986.4
Efficiency: 82.0%

Spill:
Lumens: 2198
Efficiency: 18.0%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.4	2.8	4.0	5.1	6.0	6.8	7.7	8.5	9.3	10.0
85°	0.0	2.8	5.7	8.1	10.2	12.0	13.6	15.4	17.1	18.6	20.0
82.5°	0.0	4.2	8.5	12.1	15.3	18.0	20.3	23.0	26.1	31.1	35.7
80°	0.0	5.6	11.3	16.1	20.4	24.0	27.9	35.5	42.5	48.9	54.7
77.5°	0.0	7.0	14.1	20.1	25.4	31.9	41.1	50.3	58.8	66.6	74.0
75°	0.0	8.4	16.8	24.1	31.2	43.2	54.2	65.0	75.3	85.8	94.7
72.5°	0.0	9.8	19.5	28.0	40.5	54.5	67.2	80.2	93.7	105.5	115.4
70°	0.0	11.1	22.2	32.5	49.8	65.6	80.5	97.1	112.2	125.3	138.2
67.5°	0.0	12.4	24.8	39.6	58.9	76.7	95.7	113.9	130.7	147.8	161.6
65°	0.0	13.7	27.4	46.5	67.9	88.8	110.8	130.7	152.0	170.6	186.8
62.5°	0.0	15.0	30.0	53.4	76.8	101.8	125.8	149.5	173.5	194.3	215.6
60°	0.0	16.2	32.5	60.1	85.6	114.6	140.8	169.2	195.0	221.3	244.5
57.5°	0.0	17.5	36.9	66.7	96.0	127.4	157.7	188.9	219.1	248.3	275.7
55°	0.0	18.6	41.2	73.2	106.3	139.9	174.8	208.4	243.8	276.4	308.8
52.5°	0.0	19.8	45.4	79.5	116.4	152.6	191.6	230.3	268.5	308.1	342.7
50°	0.0	20.9	49.4	85.7	126.3	166.6	208.2	252.7	294.5	340.4	383.0
47.5°	0.0	22.0	53.4	92.0	136.0	180.2	224.9	275.1	324.2	373.3	425.4
45°	0.0	23.0	57.2	99.2	145.5	193.6	244.3	297.5	354.6	413.3	469.3
42.5°	0.0	24.0	60.8	106.1	154.7	206.6	263.6	322.4	385.1	454.3	519.3
40°	0.0	24.9	64.4	112.6	164.3	219.2	282.6	348.7	417.6	496.1	572.0
37.5°	0.0	25.8	67.7	118.6	174.0	231.4	301.4	374.7	454.5	539.9	626.3
35°	0.0	26.6	70.9	124.2	183.3	245.3	320.0	400.4	491.2	588.4	685.2
32.5°	0.0	27.4	73.9	129.4	192.2	259.9	338.9	425.6	527.6	637.5	750.0
30°	0.0	28.1	76.8	134.3	200.7	274.0	359.2	451.5	563.7	687.1	816.3
27.5°	0.0	28.8	79.4	138.7	207.8	287.5	378.9	480.9	601.4	736.9	883.7
25°	0.0	29.5	81.9	142.8	214.3	300.5	397.7	509.4	642.1	791.0	952.2
22.5°	0.0	30.0	84.1	146.4	220.4	312.1	415.8	537.0	682.0	847.0	1027.1
20°	0.0	30.5	86.2	149.7	225.9	321.0	432.9	563.4	720.9	902.2	1101.3
17.5°	0.0	31.0	88.1	152.5	230.9	328.8	445.8	588.5	758.5	956.2	1174.3
15°	0.0	31.4	89.7	154.9	235.4	335.5	455.4	608.2	794.5	1008.5	1245.4
12.5°	0.0	31.7	91.1	156.9	239.3	341.1	463.7	621.1	820.2	1058.6	1314.1
10°	0.0	32.0	92.4	158.5	242.7	345.6	470.5	631.7	836.7	1082.2	1367.6
7.5°	0.0	32.2	93.3	159.8	245.4	349.1	475.9	640.1	850.0	1097.8	1391.9
5°	0.0	32.4	94.1	160.6	247.5	351.5	479.8	646.3	860.1	1108.6	1410.7
2.5°	0.0	32.5	94.6	161.0	248.9	352.9	482.2	650.1	866.8	1114.6	1423.7
0°	0.0	32.5	94.9	161.0	249.7	353.3	483.1	651.7	870.1	1116.1	1430.7
-2.5°	0.0	32.5	94.6	161.0	248.9	352.9	482.2	650.1	866.8	1114.6	1423.7
-5°	0.0	32.4	94.1	160.6	247.5	351.5	479.8	646.3	860.1	1108.6	1410.7
-7.5°	0.0	32.2	93.3	159.8	245.4	349.1	475.9	640.1	850.0	1097.8	1391.9
-10°	0.0	32.0	92.4	158.5	242.7	345.6	470.5	631.7	836.7	1082.2	1367.6
-12.5°	0.0	31.7	91.1	156.9	239.3	341.1	463.7	621.1	820.2	1058.6	1314.1
-15°	0.0	31.4	89.7	154.9	235.4	335.5	455.4	608.2	794.5	1008.5	1245.4
-17.5°	0.0	31.0	88.1	152.5	230.9	328.8	445.8	588.5	758.5	956.2	1174.3
-20°	0.0	30.5	86.2	149.7	225.9	321.0	432.9	563.4	720.9	902.2	1101.3



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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	30.0	84.1	146.4	220.4	312.1	415.8	537.0	682.0	847.0	1027.1
-25°	0.0	29.5	81.9	142.8	214.3	300.5	397.7	509.4	642.1	791.0	952.2
-27.5°	0.0	28.8	79.4	138.7	207.8	287.5	378.9	480.9	601.4	736.9	883.7
-30°	0.0	28.1	76.8	134.3	200.7	274.0	359.2	451.5	563.7	687.1	816.3
-32.5°	0.0	27.4	73.9	129.4	192.2	259.9	338.9	425.6	527.6	637.5	750.0
-35°	0.0	26.6	70.9	124.2	183.3	245.3	320.0	400.4	491.2	588.4	685.2
-37.5°	0.0	25.8	67.7	118.6	174.0	231.4	301.4	374.7	454.5	539.9	626.3
-40°	0.0	24.9	64.4	112.6	164.3	219.2	282.6	348.7	417.6	496.1	572.0
-42.5°	0.0	24.0	60.8	106.1	154.7	206.6	263.6	322.4	385.1	454.3	519.3
-45°	0.0	23.0	57.2	99.2	145.5	193.6	244.3	297.5	354.6	413.3	469.3
-47.5°	0.0	22.0	53.4	92.0	136.0	180.2	224.9	275.1	324.2	373.3	425.4
-50°	0.0	20.9	49.4	85.7	126.3	166.6	208.2	252.7	294.5	340.4	383.0
-52.5°	0.0	19.8	45.4	79.5	116.4	152.6	191.6	230.3	268.5	308.1	342.7
-55°	0.0	18.6	41.2	73.2	106.3	139.9	174.8	208.4	243.8	276.4	308.8
-57.5°	0.0	17.5	36.9	66.7	96.0	127.4	157.7	188.9	219.1	248.3	275.7
-60°	0.0	16.2	32.5	60.1	85.6	114.6	140.8	169.2	195.0	221.3	244.5
-62.5°	0.0	15.0	30.0	53.4	76.8	101.8	125.8	149.5	173.5	194.3	215.6
-65°	0.0	13.7	27.4	46.5	67.9	88.8	110.8	130.7	152.0	170.6	186.8
-67.5°	0.0	12.4	24.8	39.6	58.9	76.7	95.7	113.9	130.7	147.8	161.6
-70°	0.0	11.1	22.2	32.5	49.8	65.6	80.5	97.1	112.2	125.3	138.2
-72.5°	0.0	9.8	19.5	28.0	40.5	54.5	67.2	80.2	93.7	105.5	115.4
-75°	0.0	8.4	16.8	24.1	31.2	43.2	54.2	65.0	75.3	85.8	94.7
-77.5°	0.0	7.0	14.1	20.1	25.4	31.9	41.1	50.3	58.8	66.6	74.0
-80°	0.0	5.6	11.3	16.1	20.4	24.0	27.9	35.5	42.5	48.9	54.7
-82.5°	0.0	4.2	8.5	12.1	15.3	18.0	20.3	23.0	26.1	31.1	35.7
-85°	0.0	2.8	5.7	8.1	10.2	12.0	13.6	15.4	17.1	18.6	20.0
-87.5°	0.0	1.4	2.8	4.0	5.1	6.0	6.8	7.7	8.5	9.3	10.0
-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):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.8	11.5	12.2	12.9	13.5	14.0	14.5	15.0	15.6	16.2	16.8
85°	21.6	23.1	25.6	27.6	29.5	31.1	32.5	33.6	34.8	35.8	36.6
82.5°	39.7	43.1	45.7	47.7	50.0	52.0	53.7	55.2	56.8	58.2	59.5
80°	59.4	63.2	67.1	70.4	73.8	76.3	77.8	78.5	80.5	83.0	85.6
77.5°	80.5	86.2	91.3	95.7	99.2	102.3	104.6	105.9	109.1	112.7	115.9
75°	102.4	109.4	116.4	122.5	127.4	131.0	133.6	135.8	139.5	144.3	148.4
72.5°	125.2	134.6	142.9	150.1	156.6	161.6	165.3	167.7	171.5	177.1	181.6
70°	149.2	160.0	171.3	180.5	187.4	193.3	198.1	201.5	204.9	210.6	214.8
67.5°	174.1	189.5	201.9	211.7	219.4	226.6	232.1	235.7	237.3	243.0	247.7
65°	203.4	219.9	233.7	244.7	252.4	261.3	267.4	270.5	271.5	277.7	283.6
62.5°	233.3	251.5	266.7	279.2	289.3	297.7	304.6	308.5	309.1	313.7	320.5
60°	265.2	283.8	301.9	317.0	327.7	336.4	343.9	348.0	348.8	350.7	358.4
57.5°	298.4	318.5	339.6	356.6	369.1	376.3	384.4	388.9	390.8	389.7	397.6
55°	334.5	355.5	379.3	399.0	412.4	418.9	426.5	433.1	435.3	433.8	438.5
52.5°	375.4	396.3	421.7	443.3	458.3	466.1	471.6	479.4	483.0	481.3	480.4
50°	418.5	444.6	465.6	490.4	508.5	518.8	519.0	528.7	533.4	531.9	525.5
47.5°	467.1	496.6	512.5	541.0	564.5	576.6	577.4	581.3	587.1	588.6	583.1
45°	519.7	555.8	572.8	598.3	624.6	639.4	643.9	636.9	647.3	650.5	647.1
42.5°	575.1	621.1	648.1	658.4	689.1	709.7	717.7	712.8	712.3	719.5	719.4
40°	639.1	691.9	732.5	743.2	758.7	787.2	804.0	803.1	784.3	797.7	801.2
37.5°	707.5	776.2	826.3	848.6	836.9	874.8	899.6	909.6	897.8	884.6	899.7
35°	779.5	866.3	933.8	971.8	973.5	972.6	1011.3	1032.1	1033.5	1009.3	1014.8
32.5°	860.1	962.0	1051.4	1112.9	1140.8	1123.5	1133.6	1177.2	1198.5	1189.3	1154.4
30°	946.6	1071.6	1181.3	1268.0	1330.3	1348.7	1307.1	1341.1	1388.4	1407.3	1392.2
27.5°	1034.1	1188.0	1327.1	1447.2	1543.8	1605.0	1606.4	1553.9	1607.6	1653.1	1670.6
25°	1123.0	1304.4	1481.6	1644.5	1790.6	1895.8	1944.2	1949.9	1874.9	1943.1	2006.6
22.5°	1217.7	1424.2	1634.5	1854.5	2058.2	2212.7	2330.1	2400.8	2398.6	2326.9	2382.8
20°	1317.9	1554.6	1799.5	2060.4	2338.2	2550.6	2747.4	2897.8	2988.4	3018.5	2959.9
17.5°	1418.0	1686.1	1972.7	2283.5	2604.9	2899.3	3194.2	3434.3	3624.5	3780.7	3836.6
15°	1516.8	1817.4	2146.5	2508.0	2879.4	3248.0	3627.1	3994.8	4318.5	4604.3	4773.7
12.5°	1613.4	1946.8	2319.0	2731.6	3157.9	3601.5	4053.8	4501.8	4968.2	5431.1	5782.8
10°	1706.5	2072.9	2487.9	2951.2	3436.0	3954.8	4479.8	5011.4	5578.0	6123.9	6649.4
7.5°	1746.3	2155.3	2633.4	3163.9	3709.4	4302.7	4899.3	5516.5	6178.5	6815.5	7457.2
5°	1770.8	2187.9	2674.3	3227.0	3833.9	4529.7	5241.6	6006.1	6761.5	7494.9	8251.1
2.5°	1787.2	2210.3	2701.6	3251.9	3852.4	4567.0	5287.8	6081.6	6929.2	7777.2	8677.4
0°	1795.2	2222.1	2715.2	3259.5	3850.0	4579.1	5305.6	6124.6	6983.5	7846.1	8767.4
-2.5°	1787.2	2210.3	2701.6	3251.9	3852.4	4567.0	5287.8	6081.6	6929.2	7777.2	8677.4
-5°	1770.8	2187.9	2674.3	3227.0	3833.9	4529.7	5241.6	6006.1	6761.5	7494.9	8251.1
-7.5°	1746.3	2155.3	2633.4	3163.9	3709.4	4302.7	4899.3	5516.5	6178.5	6815.5	7457.2
-10°	1706.5	2072.9	2487.9	2951.2	3436.0	3954.8	4479.8	5011.4	5578.0	6123.9	6649.4
-12.5°	1613.4	1946.8	2319.0	2731.6	3157.9	3601.5	4053.8	4501.8	4968.2	5431.1	5782.8
-15°	1516.8	1817.4	2146.5	2508.0	2879.4	3248.0	3627.1	3994.8	4318.5	4604.3	4773.7
-17.5°	1418.0	1686.1	1972.7	2283.5	2604.9	2899.3	3194.2	3434.3	3624.5	3780.7	3836.6
-20°	1317.9	1554.6	1799.5	2060.4	2338.2	2550.6	2747.4	2897.8	2988.4	3018.5	2959.9



REPORT NUMBER: P558886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-930-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°	1217.7	1424.2	1634.5	1854.5	2058.2	2212.7	2330.1	2400.8	2398.6	2326.9	2382.8
-25°	1123.0	1304.4	1481.6	1644.5	1790.6	1895.8	1944.2	1949.9	1874.9	1943.1	2006.6
-27.5°	1034.1	1188.0	1327.1	1447.2	1543.8	1605.0	1606.4	1553.9	1607.6	1653.1	1670.6
-30°	946.6	1071.6	1181.3	1268.0	1330.3	1348.7	1307.1	1341.1	1388.4	1407.3	1392.2
-32.5°	860.1	962.0	1051.4	1112.9	1140.8	1123.5	1133.6	1177.2	1198.5	1189.3	1154.4
-35°	779.5	866.3	933.8	971.8	973.5	972.6	1011.3	1032.1	1033.5	1009.3	1014.8
-37.5°	707.5	776.2	826.3	848.6	836.9	874.8	899.6	909.6	897.8	884.6	899.7
-40°	639.1	691.9	732.5	743.2	758.7	787.2	804.0	803.1	784.3	797.7	801.2
-42.5°	575.1	621.1	648.1	658.4	689.1	709.7	717.7	712.8	712.3	719.5	719.4
-45°	519.7	555.8	572.8	598.3	624.6	639.4	643.9	636.9	647.3	650.5	647.1
-47.5°	467.1	496.6	512.5	541.0	564.5	576.6	577.4	581.3	587.1	588.6	583.1
-50°	418.5	444.6	465.6	490.4	508.5	518.8	519.0	528.7	533.4	531.9	525.5
-52.5°	375.4	396.3	421.7	443.3	458.3	466.1	471.6	479.4	483.0	481.3	480.4
-55°	334.5	355.5	379.3	399.0	412.4	418.9	426.5	433.1	435.3	433.8	438.5
-57.5°	298.4	318.5	339.6	356.6	369.1	376.3	384.4	388.9	390.8	389.7	397.6
-60°	265.2	283.8	301.9	317.0	327.7	336.4	343.9	348.0	348.8	350.7	358.4
-62.5°	233.3	251.5	266.7	279.2	289.3	297.7	304.6	308.5	309.1	313.7	320.5
-65°	203.4	219.9	233.7	244.7	252.4	261.3	267.4	270.5	271.5	277.7	283.6
-67.5°	174.1	189.5	201.9	211.7	219.4	226.6	232.1	235.7	237.3	243.0	247.7
-70°	149.2	160.0	171.3	180.5	187.4	193.3	198.1	201.5	204.9	210.6	214.8
-72.5°	125.2	134.6	142.9	150.1	156.6	161.6	165.3	167.7	171.5	177.1	181.6
-75°	102.4	109.4	116.4	122.5	127.4	131.0	133.6	135.8	139.5	144.3	148.4
-77.5°	80.5	86.2	91.3	95.7	99.2	102.3	104.6	105.9	109.1	112.7	115.9
-80°	59.4	63.2	67.1	70.4	73.8	76.3	77.8	78.5	80.5	83.0	85.6
-82.5°	39.7	43.1	45.7	47.7	50.0	52.0	53.7	55.2	56.8	58.2	59.5
-85°	21.6	23.1	25.6	27.6	29.5	31.1	32.5	33.6	34.8	35.8	36.6
-87.5°	10.8	11.5	12.2	12.9	13.5	14.0	14.5	15.0	15.6	16.2	16.8
-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: P558886 (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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.4	17.1	16.8	16.3	15.9	15.9	15.8	15.8	15.6	15.5	15.4
85°	37.2	37.9	38.5	39.2	39.8	40.4	41.0	41.5	41.8	41.8	41.6
82.5°	60.5	62.5	64.6	66.5	68.2	69.2	69.9	70.4	70.7	71.2	71.7
80°	87.9	90.8	93.6	95.9	97.7	99.1	100.2	101.1	101.7	102.4	102.9
77.5°	118.9	122.2	125.4	128.1	130.5	132.7	134.6	136.2	137.3	139.0	140.6
75°	151.8	155.5	159.5	163.0	166.1	169.4	172.6	175.6	178.3	180.5	182.2
72.5°	185.1	189.0	193.8	198.3	202.5	206.9	211.3	215.1	218.5	221.6	224.3
70°	218.0	221.6	227.8	233.9	239.4	244.8	250.0	254.7	258.9	262.9	266.6
67.5°	251.9	255.8	263.5	270.5	276.7	282.5	288.6	294.1	298.8	303.1	306.7
65°	288.2	291.6	300.0	307.5	314.1	319.6	326.2	332.1	337.4	342.1	346.0
62.5°	325.7	329.1	336.0	343.5	349.7	355.0	362.7	369.4	375.1	379.8	383.8
60°	363.7	366.7	372.0	380.2	387.2	393.0	399.8	406.3	411.8	416.5	420.7
57.5°	403.2	406.2	408.8	417.0	423.8	429.0	435.0	441.4	446.7	451.1	455.5
55°	444.0	446.4	445.6	453.2	459.5	463.8	468.2	475.0	480.3	484.2	488.2
52.5°	485.8	488.5	486.6	489.8	496.7	500.6	502.4	509.8	515.3	518.8	522.4
50°	532.2	534.4	532.8	530.9	537.6	541.6	542.7	548.6	553.5	556.3	558.8
47.5°	582.6	585.3	584.0	576.7	582.6	587.7	587.8	590.3	595.5	597.5	599.1
45°	637.4	642.6	641.5	636.4	635.6	640.7	640.3	638.2	644.2	646.8	647.6
42.5°	709.3	707.6	709.2	706.3	697.2	703.1	703.8	696.4	703.9	707.1	705.2
40°	797.3	781.2	790.1	788.8	780.3	779.1	783.6	777.6	778.8	783.4	779.9
37.5°	902.0	890.5	885.7	889.7	887.2	876.4	885.1	882.9	876.1	883.8	880.4
35°	1030.9	1027.5	1001.6	1017.4	1020.6	1010.4	1013.3	1017.8	1002.9	1014.6	1013.4
32.5°	1181.6	1189.3	1183.7	1174.0	1188.8	1190.6	1173.6	1194.0	1185.8	1188.7	1196.8
30°	1352.3	1391.5	1410.6	1393.6	1402.7	1420.9	1412.6	1426.7	1433.5	1422.9	1443.0
27.5°	1650.5	1636.6	1682.3	1702.2	1680.9	1714.2	1738.3	1727.6	1762.9	1742.0	1771.8
25°	2029.5	2009.0	2021.3	2087.0	2101.6	2084.7	2152.7	2160.8	2188.8	2192.2	2213.0
22.5°	2474.7	2523.9	2518.2	2538.2	2620.7	2648.3	2673.5	2738.9	2724.0	2783.3	2793.6
20°	2972.5	3096.4	3181.7	3199.6	3234.9	3329.7	3373.2	3424.9	3459.6	3515.7	3563.3
17.5°	3814.7	3751.2	3918.5	4023.7	4078.9	4098.7	4213.0	4250.2	4336.0	4385.1	4433.7
15°	4895.9	4932.9	4857.3	4957.5	5126.8	5184.0	5118.3	5271.8	5314.9	5397.5	5412.1
12.5°	6051.6	6238.7	6330.4	6355.3	6266.8	6507.6	6604.1	6483.1	6620.4	6595.6	6708.6
10°	7154.3	7608.9	7881.0	8072.4	8188.7	8258.8	8328.4	8453.6	8455.8	8548.5	8494.4
7.5°	8059.7	8636.0	9186.6	9720.6	10147.8	10387.3	10575.4	10755.8	10996.5	11111.7	11186.6
5°	8945.4	9610.3	10269.1	10916.5	11502.8	12066.8	12619.6	13099.2	13353.3	13650.3	13915.0
2.5°	9518.2	10359.3	11200.6	12034.0	12711.3	13333.0	13908.3	14442.8	14911.5	15345.2	15711.4
0°	9630.1	10571.3	11449.0	12280.4	13043.2	13810.9	14481.3	15085.5	15596.1	16056.8	16367.6
-2.5°	9518.2	10359.3	11200.6	12034.0	12711.3	13333.0	13908.3	14442.8	14911.5	15345.2	15711.4
-5°	8945.4	9610.3	10269.1	10916.5	11502.8	12066.8	12619.6	13099.2	13353.3	13650.3	13915.0
-7.5°	8059.7	8636.0	9186.6	9720.6	10147.8	10387.3	10575.4	10755.8	10996.5	11111.7	11186.6
-10°	7154.3	7608.9	7881.0	8072.4	8188.7	8258.8	8328.4	8453.6	8455.8	8548.5	8494.4
-12.5°	6051.6	6238.7	6330.4	6355.3	6266.8	6507.6	6604.1	6483.1	6620.4	6595.6	6708.6
-15°	4895.9	4932.9	4857.3	4957.5	5126.8	5184.0	5118.3	5271.8	5314.9	5397.5	5412.1
-17.5°	3814.7	3751.2	3918.5	4023.7	4078.9	4098.7	4213.0	4250.2	4336.0	4385.1	4433.7
-20°	2972.5	3096.4	3181.7	3199.6	3234.9	3329.7	3373.2	3424.9	3459.6	3515.7	3563.3



REPORT NUMBER: P558886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2474.7	2523.9	2518.2	2538.2	2620.7	2648.3	2673.5	2738.9	2724.0	2783.3	2793.6
-25°	2029.5	2009.0	2021.3	2087.0	2101.6	2084.7	2152.7	2160.8	2188.8	2192.2	2213.0
-27.5°	1650.5	1636.6	1682.3	1702.2	1680.9	1714.2	1738.3	1727.6	1762.9	1742.0	1771.8
-30°	1352.3	1391.5	1410.6	1393.6	1402.7	1420.9	1412.6	1426.7	1433.5	1422.9	1443.0
-32.5°	1181.6	1189.3	1183.7	1174.0	1188.8	1190.6	1173.6	1194.0	1185.8	1188.7	1196.8
-35°	1030.9	1027.5	1001.6	1017.4	1020.6	1010.4	1013.3	1017.8	1002.9	1014.6	1013.4
-37.5°	902.0	890.5	885.7	889.7	887.2	876.4	885.1	882.9	876.1	883.8	880.4
-40°	797.3	781.2	790.1	788.8	780.3	779.1	783.6	777.6	778.8	783.4	779.9
-42.5°	709.3	707.6	709.2	706.3	697.2	703.1	703.8	696.4	703.9	707.1	705.2
-45°	637.4	642.6	641.5	636.4	635.6	640.7	640.3	638.2	644.2	646.8	647.6
-47.5°	582.6	585.3	584.0	576.7	582.6	587.7	587.8	590.3	595.5	597.5	599.1
-50°	532.2	534.4	532.8	530.9	537.6	541.6	542.7	548.6	553.5	556.3	558.8
-52.5°	485.8	488.5	486.6	489.8	496.7	500.6	502.4	509.8	515.3	518.8	522.4
-55°	444.0	446.4	445.6	453.2	459.5	463.8	468.2	475.0	480.3	484.2	488.2
-57.5°	403.2	406.2	408.8	417.0	423.8	429.0	435.0	441.4	446.7	451.1	455.5
-60°	363.7	366.7	372.0	380.2	387.2	393.0	399.8	406.3	411.8	416.5	420.7
-62.5°	325.7	329.1	336.0	343.5	349.7	355.0	362.7	369.4	375.1	379.8	383.8
-65°	288.2	291.6	300.0	307.5	314.1	319.6	326.2	332.1	337.4	342.1	346.0
-67.5°	251.9	255.8	263.5	270.5	276.7	282.5	288.6	294.1	298.8	303.1	306.7
-70°	218.0	221.6	227.8	233.9	239.4	244.8	250.0	254.7	258.9	262.9	266.6
-72.5°	185.1	189.0	193.8	198.3	202.5	206.9	211.3	215.1	218.5	221.6	224.3
-75°	151.8	155.5	159.5	163.0	166.1	169.4	172.6	175.6	178.3	180.5	182.2
-77.5°	118.9	122.2	125.4	128.1	130.5	132.7	134.6	136.2	137.3	139.0	140.6
-80°	87.9	90.8	93.6	95.9	97.7	99.1	100.2	101.1	101.7	102.4	102.9
-82.5°	60.5	62.5	64.6	66.5	68.2	69.2	69.9	70.4	70.7	71.2	71.7
-85°	37.2	37.9	38.5	39.2	39.8	40.4	41.0	41.5	41.8	41.8	41.6
-87.5°	17.4	17.1	16.8	16.3	15.9	15.9	15.8	15.8	15.6	15.5	15.4
-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: P558886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-930-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.2	14.9	15.6	16.2	15.6	14.9	15.2	15.4	15.5	15.6	15.8
85°	41.4	41.0	41.7	42.4	41.7	41.0	41.4	41.6	41.8	41.8	41.5
82.5°	71.9	72.0	72.3	72.4	72.3	72.0	71.9	71.7	71.2	70.7	70.4
80°	103.2	103.1	102.9	102.4	102.9	103.1	103.2	102.9	102.4	101.7	101.1
77.5°	141.9	142.8	143.4	143.6	143.4	142.8	141.9	140.6	139.0	137.3	136.2
75°	183.3	183.9	183.9	183.5	183.9	183.9	183.3	182.2	180.5	178.3	175.6
72.5°	226.6	228.4	228.8	228.5	228.8	228.4	226.6	224.3	221.6	218.5	215.1
70°	269.6	271.9	271.9	270.9	271.9	271.9	269.6	266.6	262.9	258.9	254.7
67.5°	309.7	311.8	313.5	314.6	313.5	311.8	309.7	306.7	303.1	298.8	294.1
65°	349.2	351.6	352.9	353.3	352.9	351.6	349.2	346.0	342.1	337.4	332.1
62.5°	386.8	389.0	390.3	390.7	390.3	389.0	386.8	383.8	379.8	375.1	369.4
60°	424.0	426.3	426.7	425.7	426.7	426.3	424.0	420.7	416.5	411.8	406.3
57.5°	458.8	461.3	461.2	459.4	461.2	461.3	458.8	455.5	451.1	446.7	441.4
55°	491.0	492.8	493.4	493.1	493.4	492.8	491.0	488.2	484.2	480.3	475.0
52.5°	525.1	526.5	527.1	526.8	527.1	526.5	525.1	522.4	518.8	515.3	509.8
50°	560.6	560.8	560.7	560.5	560.7	560.8	560.6	558.8	556.3	553.5	548.6
47.5°	601.3	601.7	601.8	601.7	601.8	601.7	601.3	599.1	597.5	595.5	590.3
45°	649.3	647.9	646.6	646.7	646.6	647.9	649.3	647.6	646.8	644.2	638.2
42.5°	706.9	705.4	703.6	704.1	703.6	705.4	706.9	705.2	707.1	703.9	696.4
40°	782.9	782.5	779.9	779.0	779.9	782.5	782.9	779.9	783.4	778.8	777.6
37.5°	880.9	879.5	873.8	871.4	873.8	879.5	880.9	880.4	883.8	876.1	882.9
35°	1009.9	1008.0	999.3	1000.0	999.3	1008.0	1009.9	1013.4	1014.6	1002.9	1017.8
32.5°	1192.8	1193.4	1180.2	1177.2	1180.2	1193.4	1192.8	1196.8	1188.7	1185.8	1194.0
30°	1430.5	1435.7	1420.3	1426.9	1420.3	1435.7	1430.5	1443.0	1422.9	1433.5	1426.7
27.5°	1771.3	1781.3	1767.6	1756.5	1767.6	1781.3	1771.3	1771.8	1742.0	1762.9	1727.6
25°	2240.4	2247.8	2232.1	2218.4	2232.1	2247.8	2240.4	2213.0	2192.2	2188.8	2160.8
22.5°	2850.9	2850.4	2849.6	2871.3	2849.6	2850.4	2850.9	2793.6	2783.3	2724.0	2738.9
20°	3593.9	3575.9	3602.9	3620.3	3602.9	3575.9	3593.9	3563.3	3515.7	3459.6	3424.9
17.5°	4445.0	4478.8	4504.7	4547.9	4504.7	4478.8	4445.0	4433.7	4385.1	4336.0	4250.2
15°	5448.7	5499.6	5525.5	5511.6	5525.5	5499.6	5448.7	5412.1	5397.5	5314.9	5271.8
12.5°	6712.6	6773.4	6728.5	6672.6	6728.5	6773.4	6712.6	6708.6	6595.6	6620.4	6483.1
10°	8495.2	8626.0	8633.4	8524.0	8633.4	8626.0	8495.2	8494.4	8548.5	8455.8	8453.6
7.5°	11230.1	11293.7	11390.4	11395.3	11390.4	11293.7	11230.1	11186.6	11111.7	10996.5	10755.8
5°	14035.0	14204.5	14313.7	14502.5	14313.7	14204.5	14035.0	13915.0	13650.3	13353.3	13099.2
2.5°	15948.0	16166.9	16251.0	16465.0	16251.0	16166.9	15948.0	15711.4	15345.2	14911.5	14442.8
0°	16644.8	16822.0	16928.1	17013.0	16928.1	16822.0	16644.8	16367.6	16056.8	15596.1	15085.5
-2.5°	15948.0	16166.9	16251.0	16465.0	16251.0	16166.9	15948.0	15711.4	15345.2	14911.5	14442.8
-5°	14035.0	14204.5	14313.7	14502.5	14313.7	14204.5	14035.0	13915.0	13650.3	13353.3	13099.2
-7.5°	11230.1	11293.7	11390.4	11395.3	11390.4	11293.7	11230.1	11186.6	11111.7	10996.5	10755.8
-10°	8495.2	8626.0	8633.4	8524.0	8633.4	8626.0	8495.2	8494.4	8548.5	8455.8	8453.6
-12.5°	6712.6	6773.4	6728.5	6672.6	6728.5	6773.4	6712.6	6708.6	6595.6	6620.4	6483.1
-15°	5448.7	5499.6	5525.5	5511.6	5525.5	5499.6	5448.7	5412.1	5397.5	5314.9	5271.8
-17.5°	4445.0	4478.8	4504.7	4547.9	4504.7	4478.8	4445.0	4433.7	4385.1	4336.0	4250.2
-20°	3593.9	3575.9	3602.9	3620.3	3602.9	3575.9	3593.9	3563.3	3515.7	3459.6	3424.9



REPORT NUMBER: P558886 (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°	2850.9	2850.4	2849.6	2871.3	2849.6	2850.4	2850.9	2793.6	2783.3	2724.0	2738.9
-25°	2240.4	2247.8	2232.1	2218.4	2232.1	2247.8	2240.4	2213.0	2192.2	2188.8	2160.8
-27.5°	1771.3	1781.3	1767.6	1756.5	1767.6	1781.3	1771.3	1771.8	1742.0	1762.9	1727.6
-30°	1430.5	1435.7	1420.3	1426.9	1420.3	1435.7	1430.5	1443.0	1422.9	1433.5	1426.7
-32.5°	1192.8	1193.4	1180.2	1177.2	1180.2	1193.4	1192.8	1196.8	1188.7	1185.8	1194.0
-35°	1009.9	1008.0	999.3	1000.0	999.3	1008.0	1009.9	1013.4	1014.6	1002.9	1017.8
-37.5°	880.9	879.5	873.8	871.4	873.8	879.5	880.9	880.4	883.8	876.1	882.9
-40°	782.9	782.5	779.9	779.0	779.9	782.5	782.9	779.9	783.4	778.8	777.6
-42.5°	706.9	705.4	703.6	704.1	703.6	705.4	706.9	705.2	707.1	703.9	696.4
-45°	649.3	647.9	646.6	646.7	646.6	647.9	649.3	647.6	646.8	644.2	638.2
-47.5°	601.3	601.7	601.8	601.7	601.8	601.7	601.3	599.1	597.5	595.5	590.3
-50°	560.6	560.8	560.7	560.5	560.7	560.8	560.6	558.8	556.3	553.5	548.6
-52.5°	525.1	526.5	527.1	526.8	527.1	526.5	525.1	522.4	518.8	515.3	509.8
-55°	491.0	492.8	493.4	493.1	493.4	492.8	491.0	488.2	484.2	480.3	475.0
-57.5°	458.8	461.3	461.2	459.4	461.2	461.3	458.8	455.5	451.1	446.7	441.4
-60°	424.0	426.3	426.7	425.7	426.7	426.3	424.0	420.7	416.5	411.8	406.3
-62.5°	386.8	389.0	390.3	390.7	390.3	389.0	386.8	383.8	379.8	375.1	369.4
-65°	349.2	351.6	352.9	353.3	352.9	351.6	349.2	346.0	342.1	337.4	332.1
-67.5°	309.7	311.8	313.5	314.6	313.5	311.8	309.7	306.7	303.1	298.8	294.1
-70°	269.6	271.9	271.9	270.9	271.9	271.9	269.6	266.6	262.9	258.9	254.7
-72.5°	226.6	228.4	228.8	228.5	228.8	228.4	226.6	224.3	221.6	218.5	215.1
-75°	183.3	183.9	183.9	183.5	183.9	183.9	183.3	182.2	180.5	178.3	175.6
-77.5°	141.9	142.8	143.4	143.6	143.4	142.8	141.9	140.6	139.0	137.3	136.2
-80°	103.2	103.1	102.9	102.4	102.9	103.1	103.2	102.9	102.4	101.7	101.1
-82.5°	71.9	72.0	72.3	72.4	72.3	72.0	71.9	71.7	71.2	70.7	70.4
-85°	41.4	41.0	41.7	42.4	41.7	41.0	41.4	41.6	41.8	41.8	41.5
-87.5°	15.2	14.9	15.6	16.2	15.6	14.9	15.2	15.4	15.5	15.6	15.8
-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: P558886 (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°	15.8	15.9	15.9	16.3	16.8	17.1	17.4	16.8	16.2	15.6	15.0
85°	41.0	40.4	39.8	39.2	38.5	37.9	37.2	36.6	35.8	34.8	33.6
82.5°	69.9	69.2	68.2	66.5	64.6	62.5	60.5	59.5	58.2	56.8	55.2
80°	100.2	99.1	97.7	95.9	93.6	90.8	87.9	85.6	83.0	80.5	78.5
77.5°	134.6	132.7	130.5	128.1	125.4	122.2	118.9	115.9	112.7	109.1	105.9
75°	172.6	169.4	166.1	163.0	159.5	155.5	151.8	148.4	144.3	139.5	135.8
72.5°	211.3	206.9	202.5	198.3	193.8	189.0	185.1	181.6	177.1	171.5	167.7
70°	250.0	244.8	239.4	233.9	227.8	221.6	218.0	214.8	210.6	204.9	201.5
67.5°	288.6	282.5	276.7	270.5	263.5	255.8	251.9	247.7	243.0	237.3	235.7
65°	326.2	319.6	314.1	307.5	300.0	291.6	288.2	283.6	277.7	271.5	270.5
62.5°	362.7	355.0	349.7	343.5	336.0	329.1	325.7	320.5	313.7	309.1	308.5
60°	399.8	393.0	387.2	380.2	372.0	366.7	363.7	358.4	350.7	348.8	348.0
57.5°	435.0	429.0	423.8	417.0	408.8	406.2	403.2	397.6	389.7	390.8	388.9
55°	468.2	463.8	459.5	453.2	445.6	446.4	444.0	438.5	433.8	435.3	433.1
52.5°	502.4	500.6	496.7	489.8	486.6	488.5	485.8	480.4	481.3	483.0	479.4
50°	542.7	541.6	537.6	530.9	532.8	534.4	532.2	525.5	531.9	533.4	528.7
47.5°	587.8	587.7	582.6	576.7	584.0	585.3	582.6	583.1	588.6	587.1	581.3
45°	640.3	640.7	635.6	636.4	641.5	642.6	637.4	647.1	650.5	647.3	636.9
42.5°	703.8	703.1	697.2	706.3	709.2	707.6	709.3	719.4	719.5	712.3	712.8
40°	783.6	779.1	780.3	788.8	790.1	781.2	797.3	801.2	797.7	784.3	803.1
37.5°	885.1	876.4	887.2	889.7	885.7	890.5	902.0	899.7	884.6	897.8	909.6
35°	1013.3	1010.4	1020.6	1017.4	1001.6	1027.5	1030.9	1014.8	1009.3	1033.5	1032.1
32.5°	1173.6	1190.6	1188.8	1174.0	1183.7	1189.3	1181.6	1154.4	1189.3	1198.5	1177.2
30°	1412.6	1420.9	1402.7	1393.6	1410.6	1391.5	1352.3	1392.2	1407.3	1388.4	1341.1
27.5°	1738.3	1714.2	1680.9	1702.2	1682.3	1636.6	1650.5	1670.6	1653.1	1607.6	1553.9
25°	2152.7	2084.7	2101.6	2087.0	2021.3	2009.0	2029.5	2006.6	1943.1	1874.9	1949.9
22.5°	2673.5	2648.3	2620.7	2538.2	2518.2	2523.9	2474.7	2382.8	2326.9	2398.6	2400.8
20°	3373.2	3329.7	3234.9	3199.6	3181.7	3096.4	2972.5	2959.9	3018.5	2988.4	2897.8
17.5°	4213.0	4098.7	4078.9	4023.7	3918.5	3751.2	3814.7	3836.6	3780.7	3624.5	3434.3
15°	5118.3	5184.0	5126.8	4957.5	4857.3	4932.9	4895.9	4773.7	4604.3	4318.5	3994.8
12.5°	6604.1	6507.6	6266.8	6355.3	6330.4	6238.7	6051.6	5782.8	5431.1	4968.2	4501.8
10°	8328.4	8258.8	8188.7	8072.4	7881.0	7608.9	7154.3	6649.4	6123.9	5578.0	5011.4
7.5°	10575.4	10387.3	10147.8	9720.6	9186.6	8636.0	8059.7	7457.2	6815.5	6178.5	5516.5
5°	12619.6	12066.8	11502.8	10916.5	10269.1	9610.3	8945.4	8251.1	7494.9	6761.5	6006.1
2.5°	13908.3	13333.0	12711.3	12034.0	11200.6	10359.3	9518.2	8677.4	7777.2	6929.2	6081.6
0°	14481.3	13810.9	13043.2	12280.4	11449.0	10571.3	9630.1	8767.4	7846.1	6983.5	6124.6
-2.5°	13908.3	13333.0	12711.3	12034.0	11200.6	10359.3	9518.2	8677.4	7777.2	6929.2	6081.6
-5°	12619.6	12066.8	11502.8	10916.5	10269.1	9610.3	8945.4	8251.1	7494.9	6761.5	6006.1
-7.5°	10575.4	10387.3	10147.8	9720.6	9186.6	8636.0	8059.7	7457.2	6815.5	6178.5	5516.5
-10°	8328.4	8258.8	8188.7	8072.4	7881.0	7608.9	7154.3	6649.4	6123.9	5578.0	5011.4
-12.5°	6604.1	6507.6	6266.8	6355.3	6330.4	6238.7	6051.6	5782.8	5431.1	4968.2	4501.8
-15°	5118.3	5184.0	5126.8	4957.5	4857.3	4932.9	4895.9	4773.7	4604.3	4318.5	3994.8
-17.5°	4213.0	4098.7	4078.9	4023.7	3918.5	3751.2	3814.7	3836.6	3780.7	3624.5	3434.3
-20°	3373.2	3329.7	3234.9	3199.6	3181.7	3096.4	2972.5	2959.9	3018.5	2988.4	2897.8



REPORT NUMBER: P558886 (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°	2673.5	2648.3	2620.7	2538.2	2518.2	2523.9	2474.7	2382.8	2326.9	2398.6	2400.8
-25°	2152.7	2084.7	2101.6	2087.0	2021.3	2009.0	2029.5	2006.6	1943.1	1874.9	1949.9
-27.5°	1738.3	1714.2	1680.9	1702.2	1682.3	1636.6	1650.5	1670.6	1653.1	1607.6	1553.9
-30°	1412.6	1420.9	1402.7	1393.6	1410.6	1391.5	1352.3	1392.2	1407.3	1388.4	1341.1
-32.5°	1173.6	1190.6	1188.8	1174.0	1183.7	1189.3	1181.6	1154.4	1189.3	1198.5	1177.2
-35°	1013.3	1010.4	1020.6	1017.4	1001.6	1027.5	1030.9	1014.8	1009.3	1033.5	1032.1
-37.5°	885.1	876.4	887.2	889.7	885.7	890.5	902.0	899.7	884.6	897.8	909.6
-40°	783.6	779.1	780.3	788.8	790.1	781.2	797.3	801.2	797.7	784.3	803.1
-42.5°	703.8	703.1	697.2	706.3	709.2	707.6	709.3	719.4	719.5	712.3	712.8
-45°	640.3	640.7	635.6	636.4	641.5	642.6	637.4	647.1	650.5	647.3	636.9
-47.5°	587.8	587.7	582.6	576.7	584.0	585.3	582.6	583.1	588.6	587.1	581.3
-50°	542.7	541.6	537.6	530.9	532.8	534.4	532.2	525.5	531.9	533.4	528.7
-52.5°	502.4	500.6	496.7	489.8	486.6	488.5	485.8	480.4	481.3	483.0	479.4
-55°	468.2	463.8	459.5	453.2	445.6	446.4	444.0	438.5	433.8	435.3	433.1
-57.5°	435.0	429.0	423.8	417.0	408.8	406.2	403.2	397.6	389.7	390.8	388.9
-60°	399.8	393.0	387.2	380.2	372.0	366.7	363.7	358.4	350.7	348.8	348.0
-62.5°	362.7	355.0	349.7	343.5	336.0	329.1	325.7	320.5	313.7	309.1	308.5
-65°	326.2	319.6	314.1	307.5	300.0	291.6	288.2	283.6	277.7	271.5	270.5
-67.5°	288.6	282.5	276.7	270.5	263.5	255.8	251.9	247.7	243.0	237.3	235.7
-70°	250.0	244.8	239.4	233.9	227.8	221.6	218.0	214.8	210.6	204.9	201.5
-72.5°	211.3	206.9	202.5	198.3	193.8	189.0	185.1	181.6	177.1	171.5	167.7
-75°	172.6	169.4	166.1	163.0	159.5	155.5	151.8	148.4	144.3	139.5	135.8
-77.5°	134.6	132.7	130.5	128.1	125.4	122.2	118.9	115.9	112.7	109.1	105.9
-80°	100.2	99.1	97.7	95.9	93.6	90.8	87.9	85.6	83.0	80.5	78.5
-82.5°	69.9	69.2	68.2	66.5	64.6	62.5	60.5	59.5	58.2	56.8	55.2
-85°	41.0	40.4	39.8	39.2	38.5	37.9	37.2	36.6	35.8	34.8	33.6
-87.5°	15.8	15.9	15.9	16.3	16.8	17.1	17.4	16.8	16.2	15.6	15.0
-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: P558886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-930-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°	14.5	14.0	13.5	12.9	12.2	11.5	10.8	10.0	9.3	8.5	7.7
85°	32.5	31.1	29.5	27.6	25.6	23.1	21.6	20.0	18.6	17.1	15.4
82.5°	53.7	52.0	50.0	47.7	45.7	43.1	39.7	35.7	31.1	26.1	23.0
80°	77.8	76.3	73.8	70.4	67.1	63.2	59.4	54.7	48.9	42.5	35.5
77.5°	104.6	102.3	99.2	95.7	91.3	86.2	80.5	74.0	66.6	58.8	50.3
75°	133.6	131.0	127.4	122.5	116.4	109.4	102.4	94.7	85.8	75.3	65.0
72.5°	165.3	161.6	156.6	150.1	142.9	134.6	125.2	115.4	105.5	93.7	80.2
70°	198.1	193.3	187.4	180.5	171.3	160.0	149.2	138.2	125.3	112.2	97.1
67.5°	232.1	226.6	219.4	211.7	201.9	189.5	174.1	161.6	147.8	130.7	113.9
65°	267.4	261.3	252.4	244.7	233.7	219.9	203.4	186.8	170.6	152.0	130.7
62.5°	304.6	297.7	289.3	279.2	266.7	251.5	233.3	215.6	194.3	173.5	149.5
60°	343.9	336.4	327.7	317.0	301.9	283.8	265.2	244.5	221.3	195.0	169.2
57.5°	384.4	376.3	369.1	356.6	339.6	318.5	298.4	275.7	248.3	219.1	188.9
55°	426.5	418.9	412.4	399.0	379.3	355.5	334.5	308.8	276.4	243.8	208.4
52.5°	471.6	466.1	458.3	443.3	421.7	396.3	375.4	342.7	308.1	268.5	230.3
50°	519.0	518.8	508.5	490.4	465.6	444.6	418.5	383.0	340.4	294.5	252.7
47.5°	577.4	576.6	564.5	541.0	512.5	496.6	467.1	425.4	373.3	324.2	275.1
45°	643.9	639.4	624.6	598.3	572.8	555.8	519.7	469.3	413.3	354.6	297.5
42.5°	717.7	709.7	689.1	658.4	648.1	621.1	575.1	519.3	454.3	385.1	322.4
40°	804.0	787.2	758.7	743.2	732.5	691.9	639.1	572.0	496.1	417.6	348.7
37.5°	899.6	874.8	836.9	848.6	826.3	776.2	707.5	626.3	539.9	454.5	374.7
35°	1011.3	972.6	973.5	971.8	933.8	866.3	779.5	685.2	588.4	491.2	400.4
32.5°	1133.6	1123.5	1140.8	1112.9	1051.4	962.0	860.1	750.0	637.5	527.6	425.6
30°	1307.1	1348.7	1330.3	1268.0	1181.3	1071.6	946.6	816.3	687.1	563.7	451.5
27.5°	1606.4	1605.0	1543.8	1447.2	1327.1	1188.0	1034.1	883.7	736.9	601.4	480.9
25°	1944.2	1895.8	1790.6	1644.5	1481.6	1304.4	1123.0	952.2	791.0	642.1	509.4
22.5°	2330.1	2212.7	2058.2	1854.5	1634.5	1424.2	1217.7	1027.1	847.0	682.0	537.0
20°	2747.4	2550.6	2338.2	2060.4	1799.5	1554.6	1317.9	1101.3	902.2	720.9	563.4
17.5°	3194.2	2899.3	2604.9	2283.5	1972.7	1686.1	1418.0	1174.3	956.2	758.5	588.5
15°	3627.1	3248.0	2879.4	2508.0	2146.5	1817.4	1516.8	1245.4	1008.5	794.5	608.2
12.5°	4053.8	3601.5	3157.9	2731.6	2319.0	1946.8	1613.4	1314.1	1058.6	820.2	621.1
10°	4479.8	3954.8	3436.0	2951.2	2487.9	2072.9	1706.5	1367.6	1082.2	836.7	631.7
7.5°	4899.3	4302.7	3709.4	3163.9	2633.4	2155.3	1746.3	1391.9	1097.8	850.0	640.1
5°	5241.6	4529.7	3833.9	3227.0	2674.3	2187.9	1770.8	1410.7	1108.6	860.1	646.3
2.5°	5287.8	4567.0	3852.4	3251.9	2701.6	2210.3	1787.2	1423.7	1114.6	866.8	650.1
0°	5305.6	4579.1	3850.0	3259.5	2715.2	2222.1	1795.2	1430.7	1116.1	870.1	651.7
-2.5°	5287.8	4567.0	3852.4	3251.9	2701.6	2210.3	1787.2	1423.7	1114.6	866.8	650.1
-5°	5241.6	4529.7	3833.9	3227.0	2674.3	2187.9	1770.8	1410.7	1108.6	860.1	646.3
-7.5°	4899.3	4302.7	3709.4	3163.9	2633.4	2155.3	1746.3	1391.9	1097.8	850.0	640.1
-10°	4479.8	3954.8	3436.0	2951.2	2487.9	2072.9	1706.5	1367.6	1082.2	836.7	631.7
-12.5°	4053.8	3601.5	3157.9	2731.6	2319.0	1946.8	1613.4	1314.1	1058.6	820.2	621.1
-15°	3627.1	3248.0	2879.4	2508.0	2146.5	1817.4	1516.8	1245.4	1008.5	794.5	608.2
-17.5°	3194.2	2899.3	2604.9	2283.5	1972.7	1686.1	1418.0	1174.3	956.2	758.5	588.5
-20°	2747.4	2550.6	2338.2	2060.4	1799.5	1554.6	1317.9	1101.3	902.2	720.9	563.4



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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°	2330.1	2212.7	2058.2	1854.5	1634.5	1424.2	1217.7	1027.1	847.0	682.0	537.0
-25°	1944.2	1895.8	1790.6	1644.5	1481.6	1304.4	1123.0	952.2	791.0	642.1	509.4
-27.5°	1606.4	1605.0	1543.8	1447.2	1327.1	1188.0	1034.1	883.7	736.9	601.4	480.9
-30°	1307.1	1348.7	1330.3	1268.0	1181.3	1071.6	946.6	816.3	687.1	563.7	451.5
-32.5°	1133.6	1123.5	1140.8	1112.9	1051.4	962.0	860.1	750.0	637.5	527.6	425.6
-35°	1011.3	972.6	973.5	971.8	933.8	866.3	779.5	685.2	588.4	491.2	400.4
-37.5°	899.6	874.8	836.9	848.6	826.3	776.2	707.5	626.3	539.9	454.5	374.7
-40°	804.0	787.2	758.7	743.2	732.5	691.9	639.1	572.0	496.1	417.6	348.7
-42.5°	717.7	709.7	689.1	658.4	648.1	621.1	575.1	519.3	454.3	385.1	322.4
-45°	643.9	639.4	624.6	598.3	572.8	555.8	519.7	469.3	413.3	354.6	297.5
-47.5°	577.4	576.6	564.5	541.0	512.5	496.6	467.1	425.4	373.3	324.2	275.1
-50°	519.0	518.8	508.5	490.4	465.6	444.6	418.5	383.0	340.4	294.5	252.7
-52.5°	471.6	466.1	458.3	443.3	421.7	396.3	375.4	342.7	308.1	268.5	230.3
-55°	426.5	418.9	412.4	399.0	379.3	355.5	334.5	308.8	276.4	243.8	208.4
-57.5°	384.4	376.3	369.1	356.6	339.6	318.5	298.4	275.7	248.3	219.1	188.9
-60°	343.9	336.4	327.7	317.0	301.9	283.8	265.2	244.5	221.3	195.0	169.2
-62.5°	304.6	297.7	289.3	279.2	266.7	251.5	233.3	215.6	194.3	173.5	149.5
-65°	267.4	261.3	252.4	244.7	233.7	219.9	203.4	186.8	170.6	152.0	130.7
-67.5°	232.1	226.6	219.4	211.7	201.9	189.5	174.1	161.6	147.8	130.7	113.9
-70°	198.1	193.3	187.4	180.5	171.3	160.0	149.2	138.2	125.3	112.2	97.1
-72.5°	165.3	161.6	156.6	150.1	142.9	134.6	125.2	115.4	105.5	93.7	80.2
-75°	133.6	131.0	127.4	122.5	116.4	109.4	102.4	94.7	85.8	75.3	65.0
-77.5°	104.6	102.3	99.2	95.7	91.3	86.2	80.5	74.0	66.6	58.8	50.3
-80°	77.8	76.3	73.8	70.4	67.1	63.2	59.4	54.7	48.9	42.5	35.5
-82.5°	53.7	52.0	50.0	47.7	45.7	43.1	39.7	35.7	31.1	26.1	23.0
-85°	32.5	31.1	29.5	27.6	25.6	23.1	21.6	20.0	18.6	17.1	15.4
-87.5°	14.5	14.0	13.5	12.9	12.2	11.5	10.8	10.0	9.3	8.5	7.7
-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°	6.8	6.0	5.1	4.0	2.8	1.4	0.0
85°	13.6	12.0	10.2	8.1	5.7	2.8	0.0
82.5°	20.3	18.0	15.3	12.1	8.5	4.2	0.0
80°	27.9	24.0	20.4	16.1	11.3	5.6	0.0
77.5°	41.1	31.9	25.4	20.1	14.1	7.0	0.0
75°	54.2	43.2	31.2	24.1	16.8	8.4	0.0
72.5°	67.2	54.5	40.5	28.0	19.5	9.8	0.0
70°	80.5	65.6	49.8	32.5	22.2	11.1	0.0
67.5°	95.7	76.7	58.9	39.6	24.8	12.4	0.0
65°	110.8	88.8	67.9	46.5	27.4	13.7	0.0
62.5°	125.8	101.8	76.8	53.4	30.0	15.0	0.0
60°	140.8	114.6	85.6	60.1	32.5	16.2	0.0
57.5°	157.7	127.4	96.0	66.7	36.9	17.5	0.0
55°	174.8	139.9	106.3	73.2	41.2	18.6	0.0
52.5°	191.6	152.6	116.4	79.5	45.4	19.8	0.0
50°	208.2	166.6	126.3	85.7	49.4	20.9	0.0
47.5°	224.9	180.2	136.0	92.0	53.4	22.0	0.0
45°	244.3	193.6	145.5	99.2	57.2	23.0	0.0
42.5°	263.6	206.6	154.7	106.1	60.8	24.0	0.0
40°	282.6	219.2	164.3	112.6	64.4	24.9	0.0
37.5°	301.4	231.4	174.0	118.6	67.7	25.8	0.0
35°	320.0	245.3	183.3	124.2	70.9	26.6	0.0
32.5°	338.9	259.9	192.2	129.4	73.9	27.4	0.0
30°	359.2	274.0	200.7	134.3	76.8	28.1	0.0
27.5°	378.9	287.5	207.8	138.7	79.4	28.8	0.0
25°	397.7	300.5	214.3	142.8	81.9	29.5	0.0
22.5°	415.8	312.1	220.4	146.4	84.1	30.0	0.0
20°	432.9	321.0	225.9	149.7	86.2	30.5	0.0
17.5°	445.8	328.8	230.9	152.5	88.1	31.0	0.0
15°	455.4	335.5	235.4	154.9	89.7	31.4	0.0
12.5°	463.7	341.1	239.3	156.9	91.1	31.7	0.0
10°	470.5	345.6	242.7	158.5	92.4	32.0	0.0
7.5°	475.9	349.1	245.4	159.8	93.3	32.2	0.0
5°	479.8	351.5	247.5	160.6	94.1	32.4	0.0
2.5°	482.2	352.9	248.9	161.0	94.6	32.5	0.0
0°	483.1	353.3	249.7	161.0	94.9	32.5	0.0
-2.5°	482.2	352.9	248.9	161.0	94.6	32.5	0.0
-5°	479.8	351.5	247.5	160.6	94.1	32.4	0.0
-7.5°	475.9	349.1	245.4	159.8	93.3	32.2	0.0
-10°	470.5	345.6	242.7	158.5	92.4	32.0	0.0
-12.5°	463.7	341.1	239.3	156.9	91.1	31.7	0.0
-15°	455.4	335.5	235.4	154.9	89.7	31.4	0.0
-17.5°	445.8	328.8	230.9	152.5	88.1	31.0	0.0
-20°	432.9	321.0	225.9	149.7	86.2	30.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	415.8	312.1	220.4	146.4	84.1	30.0	0.0
-25°	397.7	300.5	214.3	142.8	81.9	29.5	0.0
-27.5°	378.9	287.5	207.8	138.7	79.4	28.8	0.0
-30°	359.2	274.0	200.7	134.3	76.8	28.1	0.0
-32.5°	338.9	259.9	192.2	129.4	73.9	27.4	0.0
-35°	320.0	245.3	183.3	124.2	70.9	26.6	0.0
-37.5°	301.4	231.4	174.0	118.6	67.7	25.8	0.0
-40°	282.6	219.2	164.3	112.6	64.4	24.9	0.0
-42.5°	263.6	206.6	154.7	106.1	60.8	24.0	0.0
-45°	244.3	193.6	145.5	99.2	57.2	23.0	0.0
-47.5°	224.9	180.2	136.0	92.0	53.4	22.0	0.0
-50°	208.2	166.6	126.3	85.7	49.4	20.9	0.0
-52.5°	191.6	152.6	116.4	79.5	45.4	19.8	0.0
-55°	174.8	139.9	106.3	73.2	41.2	18.6	0.0
-57.5°	157.7	127.4	96.0	66.7	36.9	17.5	0.0
-60°	140.8	114.6	85.6	60.1	32.5	16.2	0.0
-62.5°	125.8	101.8	76.8	53.4	30.0	15.0	0.0
-65°	110.8	88.8	67.9	46.5	27.4	13.7	0.0
-67.5°	95.7	76.7	58.9	39.6	24.8	12.4	0.0
-70°	80.5	65.6	49.8	32.5	22.2	11.1	0.0
-72.5°	67.2	54.5	40.5	28.0	19.5	9.8	0.0
-75°	54.2	43.2	31.2	24.1	16.8	8.4	0.0
-77.5°	41.1	31.9	25.4	20.1	14.1	7.0	0.0
-80°	27.9	24.0	20.4	16.1	11.3	5.6	0.0
-82.5°	20.3	18.0	15.3	12.1	8.5	4.2	0.0
-85°	13.6	12.0	10.2	8.1	5.7	2.8	0.0
-87.5°	6.8	6.0	5.1	4.0	2.8	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)