

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: EPHESUS

Report Number: P413598 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-0640L-57-80-2S-VHE**

Issue Date: 10/30/2020

Test Information

Test Method: LM-79-08
Report Number: P413598 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-0640L-57-80-2S-VHE
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

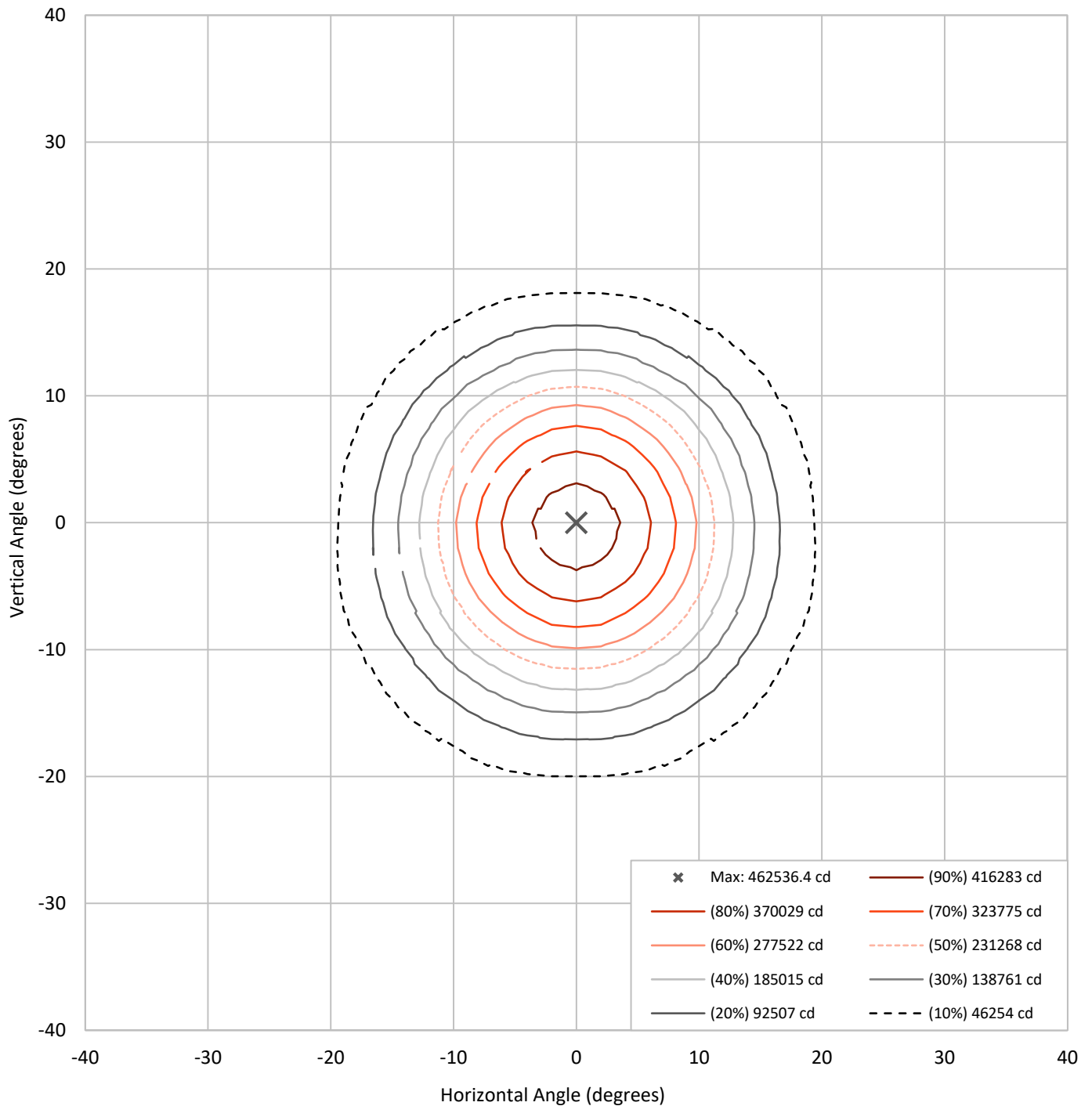
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	80844.5 lumens	Max Intensity:	462536.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	121.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	37777.3 lumens	Field Lumens:	67299.5 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%

Input Watts (W): 667
Input Voltage (V): NR
Input Current (A_{in}): 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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CATALOG NUMBER: EPH-08-0640L-57-80-2S-VHE

Iso-Candela Plot





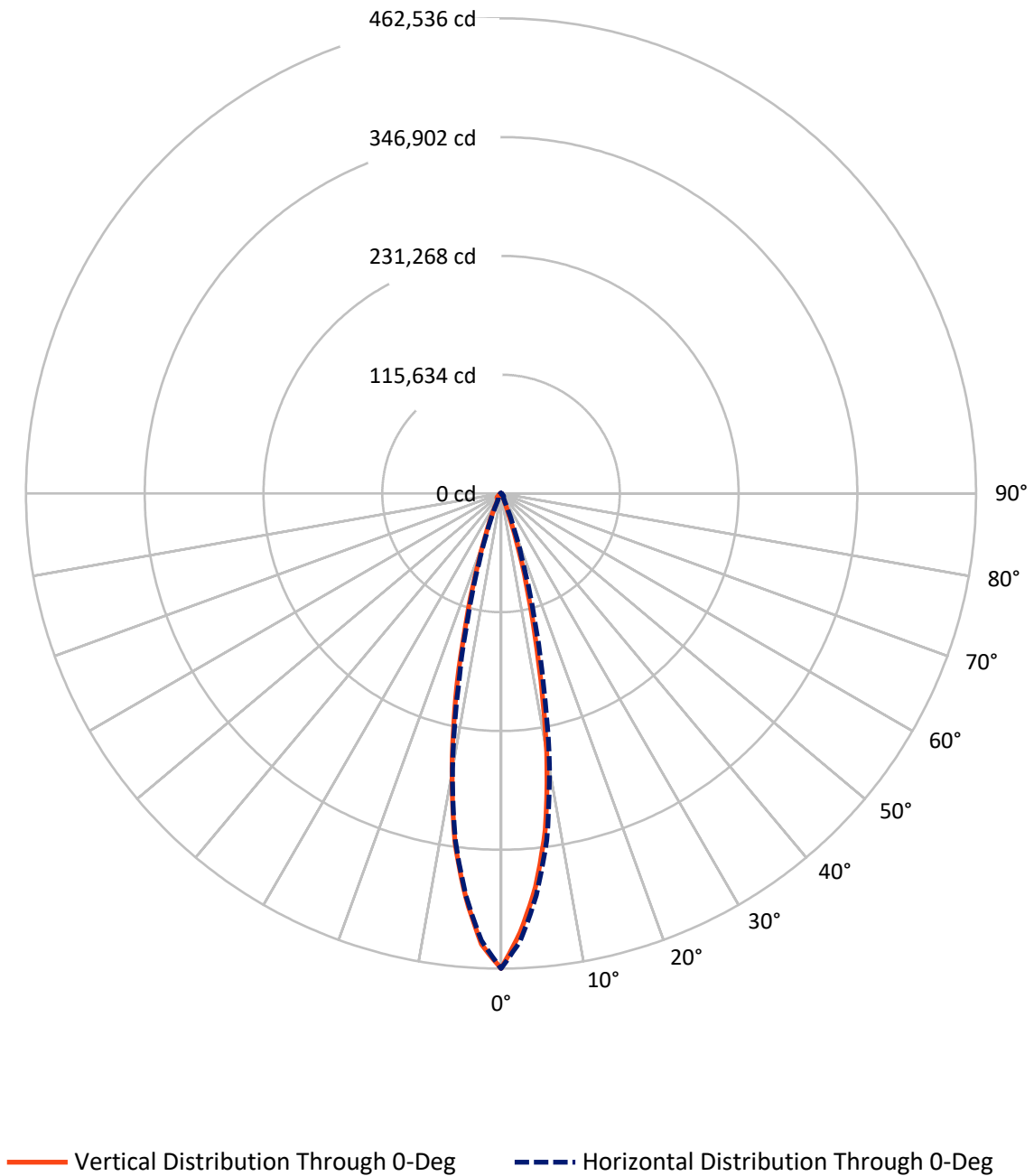
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Lumen Table

90	0.2	0.6	1.2	1.7	2.1	1.7	1.2	0.6	0.2										
80	0.2	0.6	1.2	1.7	2.1	1.7	1.2	0.6	0.2										
70	0.2	0.1	0.2	0.6	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.6	0.2	0.1	0.2			
60		0.3	0.7	0.9	0.8	0.7	0.8	0.9	0.9	0.8	0.7	0.8	0.9	0.7	0.3				
50	0.6	1.0	2.4	4.8	8.5	13.9	21.3	25.1	25.1	21.3	13.9	8.5	4.8	2.4	1.0	0.6			
40		2.5	8.0	15.4	30.1	52.4	63.7	70.6	70.6	63.7	52.4	30.1	15.4	8.0	2.5				
30	1.6	4.3	13.2	28.1	68.7	79.9	110.2	201.4	201.4	110.2	79.9	68.7	28.1	13.2	4.3	1.6			
20		5.8	17.2	49.2	96.9	142.3	902.7	2911.6	2911.6	902.7	142.3	96.9	49.2	17.2	5.8				
10	2.3	7.0	19.8	64.3	110.9	318.2	3198.0	9613.7	9613.7	3198.0	318.2	110.9	64.3	19.8	7.0	2.3			
0		7.6	21.9	67.9	122.1	364.9	3482.8	9997.9	9997.9	3482.8	364.9	122.1	67.9	21.9	7.6				
-10	2.5	7.7	22.8	65.5	128.4	208.8	1276.4	3739.3	3739.3	1276.4	208.8	128.4	65.5	22.8	7.7	2.5			
-20		7.1	22.4	50.0	121.1	166.0	230.7	461.4	461.4	230.7	166.0	121.1	50.0	22.4	7.1				
-30	2.1	6.1	19.6	39.1	84.7	149.1	174.7	183.2	183.2	174.7	149.1	84.7	39.1	19.6	6.1	2.1			
-40		4.6	14.8	31.7	50.5	77.6	118.1	148.2	148.2	118.1	77.6	50.5	31.7	14.8	4.6				
-50	1.7	3.0	9.4	20.7	35.4	47.9	57.1	63.1	63.1	57.1	47.9	35.4	20.7	9.4	3.0	1.7			
-60		2.1	4.8	10.4	18.0	25.4	31.9	35.9	35.9	31.9	25.4	18.0	10.4	4.8	2.1				
-70	1.2	7.4	18.0	30.0	36.7	30.0	18.0	7.4	1.2							1.2			
-80		7.4	18.0	30.0	36.7	30.0	18.0	7.4	1.2										
-90	1.2	7.4	18.0	30.0	36.7	30.0	18.0	7.4	1.2										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

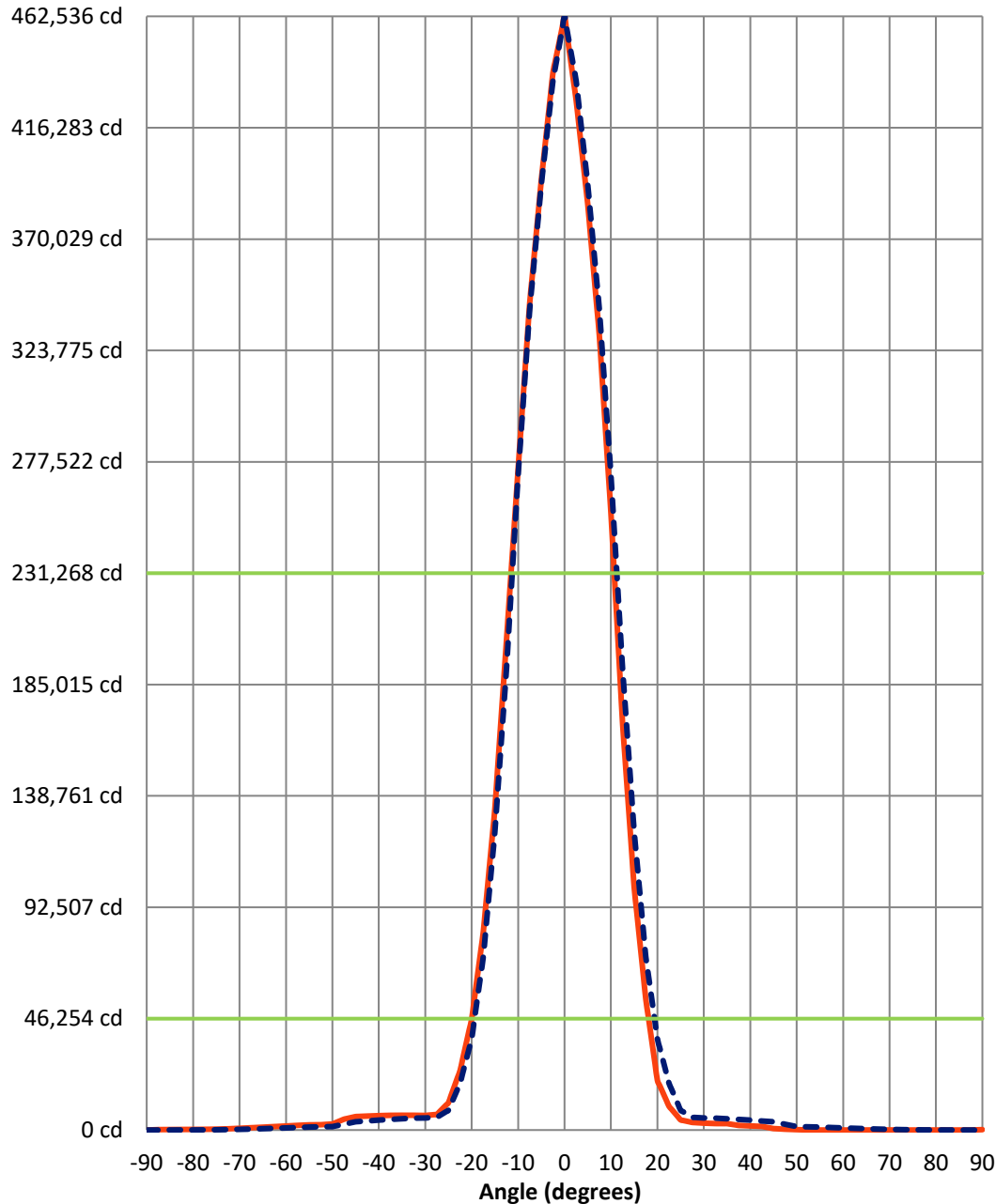
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 37777.3
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 67299.5
 Efficiency: 83.2%

Spill:
 Lumens: 13545
 Efficiency: 16.8%

— 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°	4.7	9.9	15.1	25.9	36.8	46.2	55.7	62.8	69.9	75.6	81.2
87.5°	4.7	4.8	4.9	4.9	4.9	4.9	5.0	4.9	4.7	4.7	4.7
85°	4.7	4.9	5.0	5.1	5.0	5.1	5.2	5.0	4.7	4.7	4.7
82.5°	4.7	5.1	5.2	5.3	5.2	5.3	5.5	5.2	4.8	4.9	5.0
80°	4.7	5.2	5.4	5.5	5.4	5.6	5.7	5.5	5.4	5.5	5.4
77.5°	4.7	5.3	5.5	5.7	5.6	5.8	6.0	5.9	6.1	6.1	5.9
75°	4.7	5.4	5.7	5.9	5.8	6.1	6.2	6.3	6.6	6.5	6.3
72.5°	4.7	5.6	5.9	6.1	6.2	6.4	6.5	6.7	7.0	6.9	6.7
70°	4.7	5.7	6.1	6.3	6.5	6.8	6.8	7.2	7.4	7.4	7.3
67.5°	4.7	5.8	6.3	6.5	6.8	7.1	7.4	7.7	7.9	8.0	7.9
65°	4.7	5.9	6.5	6.8	7.2	7.6	8.0	8.2	8.8	8.7	8.7
62.5°	4.7	6.1	6.7	7.0	7.5	8.1	8.6	9.2	9.9	9.7	10.2
60°	4.7	6.2	6.9	7.3	7.8	8.7	9.2	10.5	11.1	11.7	11.9
57.5°	4.7	6.3	7.1	7.5	8.4	9.3	10.7	12.0	13.4	14.1	15.8
55°	4.7	6.4	7.4	7.8	9.1	9.9	12.5	13.7	16.2	17.5	21.2
52.5°	4.7	6.6	7.7	8.0	9.8	10.7	14.3	16.7	19.2	24.1	27.1
50°	4.7	6.7	8.0	8.2	10.6	12.7	16.4	19.9	23.5	31.3	38.8
47.5°	4.7	6.8	8.4	8.5	11.4	14.7	18.6	23.2	30.8	39.0	52.7
45°	4.7	6.9	8.7	9.2	12.2	16.9	21.6	26.7	38.8	53.0	67.9
42.5°	4.7	7.0	9.1	9.9	13.1	19.1	24.7	32.6	47.3	68.0	92.4
40°	4.7	7.1	9.5	10.8	14.5	21.3	27.9	40.4	58.3	84.1	120.1
37.5°	4.7	7.3	10.0	11.9	16.2	23.7	31.5	48.4	73.9	104.8	149.8
35°	4.7	7.4	10.4	13.1	18.0	26.4	35.1	56.7	90.3	132.5	183.0
32.5°	4.7	7.5	10.9	14.3	19.8	29.3	39.8	65.3	107.4	160.7	218.4
30°	4.7	7.6	11.3	15.5	21.6	32.1	46.8	75.2	125.2	189.2	252.0
27.5°	4.7	7.7	11.8	16.8	23.9	35.0	53.7	88.3	143.4	217.9	283.8
25°	4.7	7.8	12.3	18.0	26.2	37.9	60.5	100.7	162.5	245.1	314.1
22.5°	4.7	7.9	12.8	19.3	28.4	40.8	67.2	112.4	180.1	263.5	346.9
20°	4.7	8.0	13.3	20.6	30.5	43.8	73.6	123.3	196.2	280.6	372.4
17.5°	4.7	8.1	13.8	21.9	32.6	46.7	79.5	133.4	210.8	296.3	396.5
15°	4.7	8.1	14.3	23.2	34.6	49.5	84.9	142.3	223.8	310.6	419.7
12.5°	4.7	8.2	14.8	24.5	36.4	52.2	89.7	149.8	236.0	323.3	441.6
10°	4.7	8.3	15.3	25.7	38.2	54.7	94.1	156.6	247.7	339.2	464.3
7.5°	4.7	8.3	15.8	26.9	39.9	57.1	98.0	162.4	258.2	354.5	490.0
5°	4.7	8.4	16.2	28.1	41.5	59.3	101.4	167.4	267.4	368.6	513.7
2.5°	4.7	8.5	16.6	29.2	43.0	61.3	104.3	171.5	275.1	381.1	534.9
0°	4.7	8.5	17.0	30.2	44.4	63.2	106.7	174.6	281.3	391.8	553.2
-2.5°	4.7	8.9	17.9	31.5	46.3	65.8	110.1	181.0	289.9	403.1	562.8
-5°	4.7	9.2	18.8	32.8	48.2	68.3	113.0	186.3	296.7	412.3	569.2
-7.5°	4.7	9.6	19.6	34.0	49.9	70.5	115.3	190.4	301.6	419.2	572.7
-10°	4.7	9.9	20.3	35.0	51.4	72.5	117.1	193.3	304.6	423.9	573.3
-12.5°	4.7	10.2	21.1	36.0	52.8	74.3	118.2	194.8	305.5	425.7	572.6
-15°	4.7	10.5	21.7	37.0	54.1	75.9	118.8	194.8	303.3	422.3	568.6
-17.5°	4.7	10.8	22.4	37.8	55.3	77.2	118.8	192.8	297.7	416.4	560.2
-20°	4.7	11.1	22.9	38.5	56.2	78.3	118.3	189.1	290.2	408.0	547.1



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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°	4.7	11.4	23.5	39.2	57.1	79.1	117.4	184.2	280.8	396.9	529.6
-25°	4.7	11.6	23.9	39.7	57.7	79.8	115.8	178.0	269.5	383.3	512.5
-27.5°	4.7	11.8	24.3	40.2	58.2	80.3	113.5	170.6	256.4	372.1	500.5
-30°	4.7	12.0	24.6	40.5	58.6	80.5	110.5	162.0	245.9	359.6	485.5
-32.5°	4.7	12.2	24.9	40.8	59.0	80.5	106.8	156.5	237.1	344.2	467.2
-35°	4.7	12.3	25.1	41.0	59.3	80.3	105.3	151.9	226.1	326.2	445.6
-37.5°	4.7	12.5	25.2	41.0	59.4	80.0	104.7	146.6	212.9	305.5	422.2
-40°	4.7	12.6	25.3	41.0	59.4	79.9	103.8	140.0	197.5	286.6	396.0
-42.5°	4.7	12.7	25.2	41.0	59.4	79.7	102.5	132.2	185.9	266.5	366.2
-45°	4.7	12.7	25.2	40.9	59.3	79.3	100.9	126.2	175.5	243.7	334.0
-47.5°	4.7	12.7	25.0	40.8	59.1	78.7	98.9	123.8	163.5	218.6	305.2
-50°	4.7	12.8	24.8	40.6	58.7	77.8	97.6	121.0	149.9	202.9	273.3
-52.5°	4.7	12.7	24.5	40.3	58.2	76.8	96.2	117.6	142.8	185.8	239.4
-55°	4.7	12.7	24.1	39.9	57.5	75.8	94.6	114.1	138.3	167.1	216.7
-57.5°	4.7	12.6	23.7	39.3	56.7	74.5	92.7	111.8	133.3	158.1	192.7
-60°	4.7	12.5	23.2	38.7	55.7	73.0	90.6	109.2	128.2	151.5	173.1
-62.5°	4.7	12.4	22.8	37.9	54.6	71.3	88.3	106.2	124.5	144.1	164.2
-65°	4.7	12.3	22.4	37.1	53.4	69.4	85.8	102.8	120.3	138.0	154.8
-67.5°	4.7	12.1	21.9	36.1	52.0	67.4	83.0	99.3	115.8	132.1	147.0
-70°	4.7	11.9	21.3	35.1	50.5	65.2	80.0	95.6	111.4	125.8	139.7
-72.5°	4.7	11.7	20.7	34.2	48.8	62.8	76.9	91.6	106.7	119.9	132.3
-75°	4.7	11.5	20.0	33.2	47.0	60.3	73.7	87.4	101.8	113.7	125.1
-77.5°	4.7	11.3	19.3	32.2	45.5	57.6	70.3	83.1	96.4	107.2	117.7
-80°	4.7	11.0	18.5	31.1	43.9	55.3	66.7	78.5	90.7	100.3	109.7
-82.5°	4.7	10.8	17.7	29.9	42.3	53.2	64.0	74.2	84.9	93.1	101.4
-85°	4.7	10.5	16.9	28.7	40.6	51.0	61.3	70.5	80.0	86.9	93.8
-87.5°	4.7	10.2	16.0	27.3	38.7	48.7	58.6	66.7	75.0	81.3	87.5
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



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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°	85.5	89.7	93.5	97.2	101.5	105.7	110.5	115.2	119.9	124.6	128.4
87.5°	4.5	4.3	4.3	4.3	4.1	3.8	3.8	3.8	3.3	2.8	2.8
85°	4.7	4.7	4.7	4.7	4.4	4.1	4.0	3.8	3.5	3.3	3.4
82.5°	5.1	5.2	5.0	4.7	4.6	4.6	4.3	3.9	4.0	4.1	4.0
80°	5.5	5.7	5.3	5.0	4.9	4.7	4.6	4.6	4.6	4.7	4.4
77.5°	5.9	5.8	5.6	5.6	5.3	5.0	5.1	5.2	5.1	4.8	4.7
75°	6.1	5.8	5.8	5.8	5.6	5.6	5.7	5.7	5.5	5.4	5.2
72.5°	6.5	6.3	6.2	5.9	5.9	5.8	5.7	5.7	6.6	7.9	8.9
70°	7.0	6.8	6.7	6.5	6.3	6.3	7.5	9.6	11.9	13.7	16.2
67.5°	7.6	7.5	7.3	7.2	7.7	8.8	10.5	16.7	23.0	25.3	26.4
65°	8.4	8.3	8.3	8.8	9.3	14.1	20.4	27.7	35.6	37.0	35.5
62.5°	9.5	10.5	10.3	11.9	16.1	22.0	29.9	38.3	47.2	45.1	37.6
60°	13.0	13.7	15.2	18.8	23.7	30.3	39.1	42.6	46.4	47.0	36.5
57.5°	17.6	19.5	23.1	26.9	33.4	37.0	38.4	38.5	43.8	44.1	33.5
55°	24.4	27.8	33.2	37.7	41.8	37.8	37.8	41.3	43.1	39.8	29.8
52.5°	35.1	38.7	47.1	50.5	48.3	44.9	44.0	47.1	45.4	40.5	34.5
50°	47.0	57.1	62.7	65.5	60.2	59.5	54.7	57.5	59.2	56.6	59.2
47.5°	66.2	78.5	83.0	87.1	82.8	87.4	82.8	96.3	96.6	129.9	133.7
45°	89.5	106.1	111.4	120.9	128.3	132.6	158.8	160.6	231.2	258.9	318.5
42.5°	116.8	138.4	157.2	161.9	206.4	227.7	264.9	333.1	398.2	454.3	486.1
40°	151.8	174.9	214.1	258.0	308.6	358.4	413.9	493.8	562.7	592.9	608.9
37.5°	190.2	234.5	286.8	360.2	435.3	492.6	558.4	633.6	679.4	695.4	699.1
35°	231.4	295.2	382.8	459.9	540.4	617.2	678.7	750.6	765.9	778.7	849.5
32.5°	281.6	355.9	459.2	545.8	627.3	715.2	777.5	819.9	844.4	891.2	1121.9
30°	331.8	419.0	521.3	613.2	708.3	791.9	851.2	892.5	920.4	1141.1	1620.2
27.5°	373.1	473.3	574.9	681.8	786.8	870.7	927.6	965.2	1128.1	1493.8	2231.6
25°	410.6	516.0	628.6	757.5	868.0	945.6	1004.0	1041.2	1405.5	2152.5	2664.1
22.5°	445.8	557.3	689.3	837.5	948.7	1014.7	1070.8	1272.6	1824.5	2819.8	3095.0
20°	480.2	606.8	755.2	905.3	1024.4	1073.4	1132.2	1532.1	2363.3	3076.7	3378.2
17.5°	515.8	657.7	817.4	957.4	1063.9	1125.6	1219.9	1783.7	2818.2	3301.6	3519.6
15°	551.4	705.6	868.0	1003.2	1102.8	1176.8	1420.6	2144.2	3100.0	3548.7	3754.1
12.5°	586.3	747.6	906.0	1042.5	1143.5	1225.3	1604.2	2517.0	3354.7	3791.4	4063.2
10°	619.9	783.9	938.6	1080.6	1183.4	1272.4	1789.6	2881.4	3584.6	3949.7	4177.6
7.5°	649.2	813.5	966.8	1117.0	1220.6	1318.6	1993.0	3123.1	3682.5	4050.2	4235.4
5°	674.3	836.9	995.3	1157.6	1259.3	1361.2	2177.7	3282.5	3719.7	4112.2	4296.0
2.5°	695.4	855.8	1019.9	1195.7	1297.3	1397.2	2307.1	3383.6	3745.0	4136.0	4355.4
0°	712.7	870.4	1040.3	1229.1	1332.0	1429.2	2403.4	3432.3	3753.3	4127.1	4411.2
-2.5°	723.9	891.7	1078.0	1261.3	1360.4	1456.0	2399.4	3461.0	3763.6	4174.8	4627.0
-5°	731.4	908.3	1109.7	1288.6	1386.1	1479.6	2358.4	3440.1	3786.3	4247.2	4768.0
-7.5°	735.2	919.4	1134.0	1310.5	1410.4	1506.0	2307.6	3391.6	3902.6	4396.2	4856.5
-10°	736.4	926.0	1138.9	1321.1	1432.9	1532.0	2224.0	3289.9	3994.5	4458.6	4882.1
-12.5°	741.3	929.2	1136.3	1325.4	1452.1	1555.7	2120.8	3222.6	4118.0	4497.1	4872.8
-15°	740.8	928.0	1128.7	1324.1	1475.5	1587.5	1983.4	3063.6	4193.3	4505.7	4847.7
-17.5°	734.6	922.7	1117.1	1319.6	1497.8	1611.3	1789.8	2736.5	3978.2	4467.6	4818.1
-20°	722.3	911.1	1100.8	1305.3	1510.2	1633.3	1766.7	2450.2	3535.6	4366.6	4762.2



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	704.6	894.2	1080.8	1281.4	1504.3	1658.2	1782.7	2171.6	3098.4	4216.9	4671.7
-25°	683.9	870.5	1057.7	1268.4	1495.6	1682.1	1786.1	1912.8	2718.1	3721.0	4515.6
-27.5°	661.0	841.3	1032.3	1240.9	1482.1	1677.8	1784.7	1904.3	2313.1	3111.1	4267.1
-30°	634.5	808.4	997.2	1201.0	1434.3	1632.6	1780.5	1879.3	2004.3	2632.8	3618.6
-32.5°	605.1	771.3	955.5	1155.8	1372.9	1582.2	1755.9	1859.4	1969.0	2184.2	2978.8
-35°	576.4	735.5	909.4	1103.7	1310.2	1513.7	1691.4	1838.5	1930.4	2051.4	2414.2
-37.5°	549.6	695.3	859.0	1046.9	1246.5	1428.7	1620.9	1780.2	1906.1	1993.9	2140.6
-40°	518.7	650.3	807.3	983.2	1162.6	1336.0	1518.7	1697.9	1852.6	1968.2	2055.7
-42.5°	484.0	609.8	751.8	908.0	1073.8	1238.8	1411.6	1589.2	1759.0	1911.3	2019.7
-45°	446.3	564.5	692.3	834.1	981.2	1138.5	1303.1	1471.1	1639.6	1807.6	1941.3
-47.5°	402.7	514.7	635.9	755.2	890.9	1035.4	1188.4	1346.3	1502.2	1664.3	1818.2
-50°	357.4	460.9	571.6	681.7	799.4	930.0	1070.1	1217.6	1365.5	1515.2	1663.5
-52.5°	316.3	402.2	504.2	608.0	712.0	823.7	950.5	1085.1	1224.5	1365.7	1495.5
-55°	272.4	349.7	433.5	530.7	628.3	725.4	828.4	950.3	1076.7	1207.6	1324.0
-57.5°	238.6	296.8	369.1	449.4	540.2	632.2	722.5	814.0	927.0	1043.4	1141.2
-60°	210.6	252.6	307.9	375.8	448.1	533.1	618.1	703.0	790.4	873.8	964.1
-62.5°	184.9	219.1	258.1	305.5	368.3	433.9	509.4	587.6	667.6	739.5	805.9
-65°	173.8	190.2	219.5	254.9	290.9	346.9	407.4	469.0	538.4	602.0	661.9
-67.5°	162.1	177.3	192.5	211.2	243.5	276.6	310.0	364.4	418.8	468.0	516.8
-70°	152.7	164.4	177.9	191.5	205.5	224.5	254.2	285.0	315.8	349.8	391.1
-72.5°	143.6	154.1	164.8	175.4	187.8	200.9	214.6	228.5	249.9	276.0	299.6
-75°	134.7	143.4	153.1	162.8	172.7	182.7	193.7	206.6	219.3	232.0	244.0
-77.5°	126.2	134.2	142.2	150.4	159.0	167.9	177.6	187.7	198.2	208.6	217.8
-80°	117.2	124.7	131.6	138.6	146.3	154.0	162.1	170.4	179.6	189.2	197.5
-82.5°	107.6	113.8	120.1	126.3	133.3	140.4	147.3	154.3	161.9	169.7	176.5
-85°	98.4	102.8	108.2	113.6	119.9	126.1	132.0	138.0	144.6	151.1	156.5
-87.5°	91.9	96.3	100.5	104.7	109.7	114.8	119.7	124.5	129.9	135.4	139.6
-90°	4.3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.3	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	132.2	135.0	137.8	139.3	140.7	143.5	146.3	150.6	154.8	159.6	164.3
87.5°	2.8	2.8	2.8	2.7	2.7	2.3	1.9	1.9	1.9	1.9	1.9
85°	3.4	3.5	3.5	3.2	2.8	2.7	2.7	2.7	2.7	2.3	1.9
82.5°	3.8	3.8	3.8	3.6	3.5	3.2	2.8	2.8	2.8	2.8	2.8
80°	4.1	4.0	3.8	3.8	3.8	3.7	3.6	3.2	2.8	3.2	3.7
77.5°	4.7	4.4	4.2	4.0	3.9	3.6	3.2	2.9	2.8	2.9	2.9
75°	4.9	5.0	5.6	5.8	5.6	5.1	4.3	4.2	4.3	4.1	3.8
72.5°	9.6	10.1	10.4	11.3	11.8	12.3	13.4	15.2	17.3	19.3	21.3
70°	19.3	22.0	22.6	22.7	22.6	23.3	24.3	25.4	26.9	28.2	29.2
67.5°	29.7	32.1	32.4	32.9	32.1	30.8	29.5	29.4	31.1	33.1	35.3
65°	36.2	33.8	32.1	31.7	31.1	29.6	27.1	25.3	24.8	24.5	24.5
62.5°	32.6	27.8	26.2	25.9	24.4	22.6	19.3	16.5	15.1	14.3	14.4
60°	28.3	22.7	19.3	17.8	15.5	13.2	11.2	9.1	8.5	8.2	8.4
57.5°	23.2	17.3	13.3	12.7	11.0	8.7	7.2	5.7	5.4	5.4	5.8
55°	21.3	18.2	15.2	14.2	12.2	11.2	9.6	7.6	7.1	7.6	8.4
52.5°	27.7	26.0	24.5	24.6	27.1	25.2	18.7	26.3	30.6	30.6	29.2
50°	60.6	54.5	77.8	74.9	93.6	106.0	96.3	108.1	125.0	136.9	145.2
47.5°	173.0	179.4	207.2	231.4	250.8	272.6	294.7	308.1	311.5	333.5	348.7
45°	348.4	369.3	400.3	416.0	446.6	482.8	508.2	519.7	586.4	669.4	723.0
42.5°	505.7	521.8	546.1	601.4	657.5	781.6	924.0	929.0	1057.6	1171.5	1288.1
40°	615.6	646.0	732.7	863.9	1166.7	1402.9	1571.0	1735.8	1763.3	1709.8	1739.0
37.5°	758.0	866.4	1086.2	1440.1	1702.1	1939.4	2034.8	2047.2	2080.5	2101.5	2068.3
35°	1026.3	1387.8	1570.0	1870.8	2061.4	2107.7	2136.5	2165.0	2192.3	2210.9	2231.2
32.5°	1614.0	2061.7	2085.8	2163.1	2198.7	2239.8	2270.4	2288.2	2300.6	2316.9	2372.2
30°	2245.7	2350.0	2358.6	2352.5	2364.7	2392.4	2412.3	2445.0	2477.5	2514.9	2637.5
27.5°	2540.7	2620.5	2595.6	2553.0	2531.9	2553.9	2608.4	2659.2	2753.7	2853.1	3029.0
25°	2867.2	2920.1	2889.7	2814.1	2766.7	2798.0	2879.9	2976.6	3157.3	3316.5	3640.2
22.5°	3216.9	3315.2	3283.4	3260.9	3161.0	3176.0	3240.6	3459.0	3910.9	4626.2	6111.5
20°	3488.0	3608.3	3623.5	3624.0	3603.0	3609.2	3759.3	4463.6	5784.6	9935.9	13615.9
17.5°	3689.1	3759.6	3844.3	3879.0	3920.2	4040.3	4841.1	7277.6	12982.5	20617.7	26464.3
15°	3949.6	4039.9	4131.6	4189.7	4282.7	4943.3	6991.3	14474.2	24848.4	37807.3	54371.1
12.5°	4158.2	4269.5	4342.3	4388.4	4602.8	6340.6	13466.0	24238.5	40424.7	60533.6	90364.5
10°	4273.7	4360.4	4459.7	4619.2	5493.7	9197.2	18989.9	34061.3	58942.9	95164.3	134896.3
7.5°	4331.2	4443.4	4609.5	4851.7	6502.3	13426.3	26418.5	48077.5	82062.4	127165.1	182525.6
5°	4398.1	4605.5	4803.3	5080.5	7285.5	16479.8	32323.5	60031.8	102220.0	157394.4	225764.9
2.5°	4506.2	4818.2	4945.6	5212.0	7757.4	18445.5	35844.8	69381.7	117272.1	182062.5	258824.6
0°	4676.5	4936.1	5012.5	5280.6	8232.5	19417.7	37913.2	71945.6	123977.0	191669.0	271845.3
-2.5°	4869.0	5031.1	5115.9	5414.7	8470.9	20409.5	39540.5	73668.3	122380.3	188468.9	266953.6
-5°	4994.6	5123.3	5205.5	5497.5	8444.9	19417.7	37722.2	68603.3	113044.5	172155.4	242326.3
-7.5°	5080.1	5214.1	5300.1	5567.7	7945.6	16780.9	33318.1	59135.2	96068.3	144547.0	205156.9
-10°	5163.6	5309.9	5422.5	5634.0	7032.4	12810.4	26151.0	44613.1	75131.5	113703.6	159019.8
-12.5°	5238.9	5419.7	5564.6	5661.9	6174.7	9743.8	19217.8	34124.2	54078.9	82872.4	116033.6
-15°	5277.0	5493.3	5655.5	5762.8	6060.2	7704.5	12444.5	22580.5	37755.7	55615.7	77193.8
-17.5°	5211.4	5534.0	5690.1	5808.2	5906.0	6328.6	8778.2	13860.8	23339.0	35038.7	45579.5
-20°	5107.0	5538.4	5715.2	5874.3	5985.4	6100.5	6412.6	8827.0	12682.9	19860.7	26886.0



REPORT NUMBER: P413598 (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°	5018.7	5419.8	5788.8	5960.7	6088.6	6097.0	6106.6	6397.3	7902.8	10321.2	14037.6
-25°	4957.4	5337.1	5766.4	6032.6	6121.2	6124.4	6076.0	6022.1	6192.8	6364.4	7722.3
-27.5°	4853.8	5265.7	5669.1	5993.9	6125.2	6120.7	6083.9	6047.9	5988.8	5950.2	6096.7
-30°	4727.1	5141.0	5516.6	5843.2	6037.7	6097.5	6072.5	6045.7	6027.4	6014.6	5988.3
-32.5°	4051.9	4987.8	5304.3	5600.5	5878.2	5999.8	6054.0	6041.4	6025.0	6017.9	6022.6
-35°	3309.7	4275.9	5097.7	5308.8	5549.8	5791.8	5962.5	6001.2	6018.3	6015.3	6022.8
-37.5°	2537.7	3408.2	4215.6	4890.5	5180.5	5432.1	5680.3	5844.7	5943.4	5960.5	5983.7
-40°	2187.1	2433.3	3198.1	3876.4	4440.7	4960.2	5223.1	5507.2	5728.9	5818.1	5865.0
-42.5°	2094.5	2192.3	2292.7	2790.2	3374.4	3869.7	4360.4	4848.1	5252.8	5481.8	5630.8
-45°	2054.1	2108.6	2166.6	2246.7	2318.4	2736.7	3187.2	3662.5	4194.4	4591.8	4961.9
-47.5°	1936.4	2046.2	2101.7	2135.6	2160.9	2216.1	2265.5	2399.4	2842.1	3190.3	3576.5
-50°	1780.9	1892.6	1983.1	2063.6	2091.1	2103.8	2118.6	2163.2	2233.9	2285.3	2363.1
-52.5°	1600.9	1705.6	1806.5	1892.6	1954.2	2007.2	2057.8	2093.0	2121.6	2151.3	2179.5
-55°	1428.7	1517.9	1604.4	1685.3	1758.7	1819.9	1880.1	1937.4	1991.1	2041.7	2088.8
-57.5°	1240.0	1329.0	1408.6	1481.2	1543.7	1594.7	1654.2	1717.3	1776.4	1828.9	1880.0
-60°	1049.4	1130.5	1206.5	1275.2	1332.5	1377.5	1435.3	1491.9	1545.9	1594.8	1637.7
-62.5°	870.2	939.5	1005.0	1065.6	1119.9	1168.2	1216.7	1265.1	1316.2	1362.0	1402.3
-65°	718.8	774.1	820.6	863.8	900.3	944.1	990.6	1034.1	1079.1	1121.4	1160.1
-67.5°	566.7	613.6	652.6	690.0	720.5	751.2	785.9	818.9	850.7	883.6	915.8
-70°	427.7	460.7	485.3	510.9	540.9	569.0	596.9	624.9	651.4	680.3	710.2
-72.5°	319.2	335.2	351.4	372.2	390.1	410.4	430.5	452.0	473.8	494.9	514.5
-75°	255.5	265.7	278.0	288.1	295.8	305.7	316.8	330.4	344.0	357.6	370.4
-77.5°	227.3	234.3	239.9	244.3	248.1	253.1	258.2	267.7	278.0	289.3	300.8
-80°	205.5	210.0	213.9	217.1	219.9	224.1	228.4	236.6	245.4	253.9	262.1
-82.5°	183.3	187.1	190.3	193.1	195.7	199.7	203.6	210.2	216.9	225.2	233.5
-85°	161.8	165.1	168.2	170.8	173.2	176.3	179.4	185.5	191.7	198.3	204.9
-87.5°	143.7	146.5	149.2	151.3	153.5	156.1	158.7	163.6	168.5	173.8	179.2
-90°	2.8	2.8	2.8	2.4	1.9	1.9	1.9	1.9	1.9	1.4	0.9



REPORT NUMBER: P413598 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	164.8	165.2	165.2	165.2	165.2	165.2	164.8	164.3	159.6	154.8	150.6
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.7	2.7
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.2	2.8	3.2
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.9
75°	3.3	2.8	2.8	2.8	2.8	2.8	3.3	3.8	4.1	4.3	4.2
72.5°	23.1	24.8	25.8	26.4	25.8	24.8	23.1	21.3	19.3	17.3	15.2
70°	29.8	30.0	30.2	30.2	30.2	30.0	29.8	29.2	28.2	26.9	25.4
67.5°	36.6	37.4	37.7	37.8	37.7	37.4	36.6	35.3	33.1	31.1	29.4
65°	23.4	21.7	20.1	18.9	20.1	21.7	23.4	24.5	24.5	24.8	25.3
62.5°	14.1	13.6	13.3	13.2	13.3	13.6	14.1	14.4	14.3	15.1	16.5
60°	8.4	8.6	8.2	7.6	8.2	8.6	8.4	8.4	8.2	8.5	9.1
57.5°	6.1	6.5	7.0	7.6	7.0	6.5	6.1	5.8	5.4	5.4	5.7
55°	9.1	10.0	10.7	11.3	10.7	10.0	9.1	8.4	7.6	7.1	7.6
52.5°	26.4	23.7	22.8	23.6	22.8	23.7	26.4	29.2	30.6	30.6	26.3
50°	149.4	152.4	156.1	160.5	156.1	152.4	149.4	145.2	136.9	125.0	108.1
47.5°	353.0	346.2	340.0	337.9	340.0	346.2	353.0	348.7	333.5	311.5	308.1
45°	669.2	619.9	594.9	609.8	594.9	619.9	669.2	723.0	669.4	586.4	519.7
42.5°	1350.6	1423.5	1480.5	1507.5	1480.5	1423.5	1350.6	1288.1	1171.5	1057.6	929.0
40°	1693.2	1665.8	1680.6	1702.9	1680.6	1665.8	1693.2	1739.0	1709.8	1763.3	1735.8
37.5°	2084.5	2093.6	2027.7	1920.1	2027.7	2093.6	2084.5	2068.3	2101.5	2080.5	2047.2
35°	2274.2	2391.6	2611.2	2663.9	2611.2	2391.6	2274.2	2231.2	2210.9	2192.3	2165.0
32.5°	2511.8	2633.6	2670.9	2685.6	2670.9	2633.6	2511.8	2372.2	2316.9	2300.6	2288.2
30°	2795.7	2850.6	2836.8	2857.4	2836.8	2850.6	2795.7	2637.5	2514.9	2477.5	2445.0
27.5°	3106.6	3138.9	3128.4	3155.7	3128.4	3138.9	3106.6	3029.0	2853.1	2753.7	2659.2
25°	3909.5	4163.1	4149.9	4209.2	4149.9	4163.1	3909.5	3640.2	3316.5	3157.3	2976.6
22.5°	7919.7	8816.4	9353.4	9873.1	9353.4	8816.4	7919.7	6111.5	4626.2	3910.9	3459.0
20°	17695.5	20279.8	20842.3	20637.3	20842.3	20279.8	17695.5	13615.9	9935.9	5784.6	4463.6
17.5°	37984.0	48294.9	53831.3	54447.0	53831.3	48294.9	37984.0	26464.3	20617.7	12982.5	7277.6
15°	71483.5	89504.6	99736.7	100811.7	99736.7	89504.6	71483.5	54371.1	37807.3	24848.4	14474.2
12.5°	116858.2	145557.0	166625.3	168975.8	166625.3	145557.0	116858.2	90364.5	60533.6	40424.7	24238.5
10°	179011.1	217811.7	248493.8	255968.4	248493.8	217811.7	179011.1	134896.3	95164.3	58942.9	34061.3
7.5°	241046.0	285325.4	321436.1	329932.3	321436.1	285325.4	241046.0	182525.6	127165.1	82062.4	48077.5
5°	289540.7	346195.2	375012.2	384533.2	375012.2	346195.2	289540.7	225764.9	157394.4	102220.0	60031.8
2.5°	326505.6	380001.1	413831.4	427711.5	413831.4	380001.1	326505.6	258824.6	182062.5	117272.1	69381.7
0°	340774.9	392665.6	435746.7	462536.4	435746.7	392665.6	340774.9	271845.3	191669.0	123977.0	71945.6
-2.5°	335181.6	385143.3	421757.0	439135.1	421757.0	385143.3	335181.6	266953.6	188468.9	122380.3	73668.3
-5°	306905.4	357325.9	385634.7	394601.7	385634.7	357325.9	306905.4	242326.3	172155.4	113044.5	68603.3
-7.5°	259521.0	303902.2	337468.8	343485.6	337468.8	303902.2	259521.0	205156.9	144547.0	96068.3	59135.2
-10°	205686.1	244105.8	269712.6	274556.4	269712.6	244105.8	205686.1	159019.8	113703.6	75131.5	44613.1
-12.5°	145800.7	179548.4	199794.0	203529.8	199794.0	179548.4	145800.7	116033.6	82872.4	54078.9	34124.2
-15°	99078.9	120099.7	132370.4	133609.4	132370.4	120099.7	99078.9	77193.8	55615.7	37755.7	22580.5
-17.5°	61993.7	74497.5	82145.3	82216.2	82145.3	74497.5	61993.7	45579.5	35038.7	23339.0	13860.8
-20°	35890.7	41857.4	46136.2	46118.3	46136.2	41857.4	35890.7	26886.0	19860.7	12682.9	8827.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18699.6	22245.8	24825.8	24707.8	24825.8	22245.8	18699.6	14037.6	10321.2	7902.8	6397.3
-25°	9182.3	10540.0	11443.6	11373.1	11443.6	10540.0	9182.3	7722.3	6364.4	6192.8	6022.1
-27.5°	6222.8	6372.2	6475.3	6486.1	6475.3	6372.2	6222.8	6096.7	5950.2	5988.8	6047.9
-30°	5978.2	6012.3	6048.3	6057.5	6048.3	6012.3	5978.2	5988.3	6014.6	6027.4	6045.7
-32.5°	6037.2	6063.9	6103.4	6128.3	6103.4	6063.9	6037.2	6022.6	6017.9	6025.0	6041.4
-35°	6041.5	6072.5	6118.2	6138.7	6118.2	6072.5	6041.5	6022.8	6015.3	6018.3	6001.2
-37.5°	6013.4	6051.3	6090.5	6108.5	6090.5	6051.3	6013.4	5983.7	5960.5	5943.4	5844.7
-40°	5906.7	5945.4	5974.1	5976.4	5974.1	5945.4	5906.7	5865.0	5818.1	5728.9	5507.2
-42.5°	5730.1	5778.0	5800.0	5796.1	5800.0	5778.0	5730.1	5630.8	5481.8	5252.8	4848.1
-45°	5313.0	5482.7	5566.1	5586.5	5566.1	5482.7	5313.0	4961.9	4591.8	4194.4	3662.5
-47.5°	4024.2	4273.1	4432.6	4496.2	4432.6	4273.1	4024.2	3576.5	3190.3	2842.1	2399.4
-50°	2464.8	2487.9	2503.1	2511.0	2503.1	2487.9	2464.8	2363.1	2285.3	2233.9	2163.2
-52.5°	2202.9	2209.6	2213.1	2213.6	2213.1	2209.6	2202.9	2179.5	2151.3	2121.6	2093.0
-55°	2122.8	2136.1	2144.5	2146.6	2144.5	2136.1	2122.8	2088.8	2041.7	1991.1	1937.4
-57.5°	1913.8	1921.4	1929.9	1935.2	1929.9	1921.4	1913.8	1880.0	1828.9	1776.4	1717.3
-60°	1663.4	1670.4	1671.8	1667.1	1671.8	1670.4	1663.4	1637.7	1594.8	1545.9	1491.9
-62.5°	1424.3	1430.8	1437.2	1439.6	1437.2	1430.8	1424.3	1402.3	1362.0	1316.2	1265.1
-65°	1178.1	1181.3	1182.8	1180.0	1182.8	1181.3	1178.1	1160.1	1121.4	1079.1	1034.1
-67.5°	930.9	937.3	946.3	952.5	946.3	937.3	930.9	915.8	883.6	850.7	818.9
-70°	717.1	714.2	720.3	725.0	720.3	714.2	717.1	710.2	680.3	651.4	624.9
-72.5°	517.1	513.9	511.8	507.9	511.8	513.9	517.1	514.5	494.9	473.8	452.0
-75°	369.7	366.0	365.5	364.4	365.5	366.0	369.7	370.4	357.6	344.0	330.4
-77.5°	301.0	299.6	297.7	295.5	297.7	299.6	301.0	300.8	289.3	278.0	267.7
-80°	262.9	263.0	261.9	260.5	261.9	263.0	262.9	262.1	253.9	245.4	236.6
-82.5°	233.9	233.8	233.1	232.2	233.1	233.8	233.9	233.5	225.2	216.9	210.2
-85°	205.4	205.6	204.8	203.9	204.8	205.6	205.4	204.9	198.3	191.7	185.5
-87.5°	179.7	180.2	179.8	179.4	179.8	180.2	179.7	179.2	173.8	168.5	163.6
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	146.3	143.5	140.7	139.3	137.8	135.0	132.2	128.4	124.6	119.9	115.2
87.5°	1.9	2.3	2.7	2.7	2.8	2.8	2.8	2.8	2.8	3.3	3.8
85°	2.7	2.7	2.8	3.2	3.5	3.5	3.4	3.4	3.3	3.5	3.8
82.5°	2.8	3.2	3.5	3.6	3.8	3.8	3.8	4.0	4.1	4.0	3.9
80°	3.6	3.7	3.8	3.8	3.8	4.0	4.1	4.4	4.7	4.6	4.6
77.5°	3.2	3.6	3.9	4.0	4.2	4.4	4.7	4.7	4.8	5.1	5.2
75°	4.3	5.1	5.6	5.8	5.6	5.0	4.9	5.2	5.4	5.5	5.7
72.5°	13.4	12.3	11.8	11.3	10.4	10.1	9.6	8.9	7.9	6.6	5.7
70°	24.3	23.3	22.6	22.7	22.6	22.0	19.3	16.2	13.7	11.9	9.6
67.5°	29.5	30.8	32.1	32.9	32.4	32.1	29.7	26.4	25.3	23.0	16.7
65°	27.1	29.6	31.1	31.7	32.1	33.8	36.2	35.5	37.0	35.6	27.7
62.5°	19.3	22.6	24.4	25.9	26.2	27.8	32.6	37.6	45.1	47.2	38.3
60°	11.2	13.2	15.5	17.8	19.3	22.7	28.3	36.5	47.0	46.4	42.6
57.5°	7.2	8.7	11.0	12.7	13.3	17.3	23.2	33.5	44.1	43.8	38.5
55°	9.6	11.2	12.2	14.2	15.2	18.2	21.3	29.8	39.8	43.1	41.3
52.5°	18.7	25.2	27.1	24.6	24.5	26.0	27.7	34.5	40.5	45.4	47.1
50°	96.3	106.0	93.6	74.9	77.8	54.5	60.6	59.2	56.6	59.2	57.5
47.5°	294.7	272.6	250.8	231.4	207.2	179.4	173.0	133.7	129.9	96.6	96.3
45°	508.2	482.8	446.6	416.0	400.3	369.3	348.4	318.5	258.9	231.2	160.6
42.5°	924.0	781.6	657.5	601.4	546.1	521.8	505.7	486.1	454.3	398.2	333.1
40°	1571.0	1402.9	1166.7	863.9	732.7	646.0	615.6	608.9	592.9	562.7	493.8
37.5°	2034.8	1939.4	1702.1	1440.1	1086.2	866.4	758.0	699.1	695.4	679.4	633.6
35°	2136.5	2107.7	2061.4	1870.8	1570.0	1387.8	1026.3	849.5	778.7	765.9	750.6
32.5°	2270.4	2239.8	2198.7	2163.1	2085.8	2061.7	1614.0	1121.9	891.2	844.4	819.9
30°	2412.3	2392.4	2364.7	2352.5	2358.6	2350.0	2245.7	1620.2	1141.1	920.4	892.5
27.5°	2608.4	2553.9	2531.9	2553.0	2595.6	2620.5	2540.7	2231.6	1493.8	1128.1	965.2
25°	2879.9	2798.0	2766.7	2814.1	2889.7	2920.1	2867.2	2664.1	2152.5	1405.5	1041.2
22.5°	3240.6	3176.0	3161.0	3260.9	3283.4	3315.2	3216.9	3095.0	2819.8	1824.5	1272.6
20°	3759.3	3609.2	3603.0	3624.0	3623.5	3608.3	3488.0	3378.2	3076.7	2363.3	1532.1
17.5°	4841.1	4040.3	3920.2	3879.0	3844.3	3759.6	3689.1	3519.6	3301.6	2818.2	1783.7
15°	6991.3	4943.3	4282.7	4189.7	4131.6	4039.9	3949.6	3754.1	3548.7	3100.0	2144.2
12.5°	13466.0	6340.6	4602.8	4388.4	4342.3	4269.5	4158.2	4063.2	3791.4	3354.7	2517.0
10°	18989.9	9197.2	5493.7	4619.2	4459.7	4360.4	4273.7	4177.6	3949.7	3584.6	2881.4
7.5°	26418.5	13426.3	6502.3	4851.7	4609.5	4443.4	4331.2	4235.4	4050.2	3682.5	3123.1
5°	32323.5	16479.8	7285.5	5080.5	4803.3	4605.5	4398.1	4296.0	4112.2	3719.7	3282.5
2.5°	35844.8	18445.5	7757.4	5212.0	4945.6	4818.2	4506.2	4355.4	4136.0	3745.0	3383.6
0°	37913.2	19417.7	8232.5	5280.6	5012.5	4936.1	4676.5	4411.2	4127.1	3753.3	3432.3
-2.5°	39540.5	20409.5	8470.9	5414.7	5115.9	5031.1	4869.0	4627.0	4174.8	3763.6	3461.0
-5°	37722.2	19417.7	8444.9	5497.5	5205.5	5123.3	4994.6	4768.0	4247.2	3786.3	3440.1
-7.5°	33318.1	16780.9	7945.6	5567.7	5300.1	5214.1	5080.1	4856.5	4396.2	3902.6	3391.6
-10°	26151.0	12810.4	7032.4	5634.0	5422.5	5309.9	5163.6	4882.1	4458.6	3994.5	3289.9
-12.5°	19217.8	9743.8	6174.7	5661.9	5564.6	5419.7	5238.9	4872.8	4497.1	4118.0	3222.6
-15°	12444.5	7704.5	6060.2	5762.8	5655.5	5493.3	5277.0	4847.7	4505.7	4193.3	3063.6
-17.5°	8778.2	6328.6	5906.0	5808.2	5690.1	5534.0	5211.4	4818.1	4467.6	3978.2	2736.5
-20°	6412.6	6100.5	5985.4	5874.3	5715.2	5538.4	5107.0	4762.2	4366.6	3535.6	2450.2



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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°	6106.6	6097.0	6088.6	5960.7	5788.8	5419.8	5018.7	4671.7	4216.9	3098.4	2171.6
-25°	6076.0	6124.4	6121.2	6032.6	5766.4	5337.1	4957.4	4515.6	3721.0	2718.1	1912.8
-27.5°	6083.9	6120.7	6125.2	5993.9	5669.1	5265.7	4853.8	4267.1	3111.1	2313.1	1904.3
-30°	6072.5	6097.5	6037.7	5843.2	5516.6	5141.0	4727.1	3618.6	2632.8	2004.3	1879.3
-32.5°	6054.0	5999.8	5878.2	5600.5	5304.3	4987.8	4051.9	2978.8	2184.2	1969.0	1859.4
-35°	5962.5	5791.8	5549.8	5308.8	5097.7	4275.9	3309.7	2414.2	2051.4	1930.4	1838.5
-37.5°	5680.3	5432.1	5180.5	4890.5	4215.6	3408.2	2537.7	2140.6	1993.9	1906.1	1780.2
-40°	5223.1	4960.2	4440.7	3876.4	3198.1	2433.3	2187.1	2055.7	1968.2	1852.6	1697.9
-42.5°	4360.4	3869.7	3374.4	2790.2	2292.7	2192.3	2094.5	2019.7	1911.3	1759.0	1589.2
-45°	3187.2	2736.7	2318.4	2246.7	2166.6	2108.6	2054.1	1941.3	1807.6	1639.6	1471.1
-47.5°	2265.5	2216.1	2160.9	2135.6	2101.7	2046.2	1936.4	1818.2	1664.3	1502.2	1346.3
-50°	2118.6	2103.8	2091.1	2063.6	1983.1	1892.6	1780.9	1663.5	1515.2	1365.5	1217.6
-52.5°	2057.8	2007.2	1954.2	1892.6	1806.5	1705.6	1600.9	1495.5	1365.7	1224.5	1085.1
-55°	1880.1	1819.9	1758.7	1685.3	1604.4	1517.9	1428.7	1324.0	1207.6	1076.7	950.3
-57.5°	1654.2	1594.7	1543.7	1481.2	1408.6	1329.0	1240.0	1141.2	1043.4	927.0	814.0
-60°	1435.3	1377.5	1332.5	1275.2	1206.5	1130.5	1049.4	964.1	873.8	790.4	703.0
-62.5°	1216.7	1168.2	1119.9	1065.6	1005.0	939.5	870.2	805.9	739.5	667.6	587.6
-65°	990.6	944.1	900.3	863.8	820.6	774.1	718.8	661.9	602.0	538.4	469.0
-67.5°	785.9	751.2	720.5	690.0	652.6	613.6	566.7	516.8	468.0	418.8	364.4
-70°	596.9	569.0	540.9	510.9	485.3	460.7	427.7	391.1	349.8	315.8	285.0
-72.5°	430.5	410.4	390.1	372.2	351.4	335.2	319.2	299.6	276.0	249.9	228.5
-75°	316.8	305.7	295.8	288.1	278.0	265.7	255.5	244.0	232.0	219.3	206.6
-77.5°	258.2	253.1	248.1	244.3	239.9	234.3	227.3	217.8	208.6	198.2	187.7
-80°	228.4	224.1	219.9	217.1	213.9	210.0	205.5	197.5	189.2	179.6	170.4
-82.5°	203.6	199.7	195.7	193.1	190.3	187.1	183.3	176.5	169.7	161.9	154.3
-85°	179.4	176.3	173.2	170.8	168.2	165.1	161.8	156.5	151.1	144.6	138.0
-87.5°	158.7	156.1	153.5	151.3	149.2	146.5	143.7	139.6	135.4	129.9	124.5
-90°	1.9	1.9	1.9	2.4	2.8	2.8	2.8	2.8	2.8	3.3	3.8



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	110.5	105.7	101.5	97.2	93.5	89.7	85.5	81.2	75.6	69.9	62.8
87.5°	3.8	3.8	4.1	4.3	4.3	4.3	4.5	4.7	4.7	4.7	4.9
85°	4.0	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.0
82.5°	4.3	4.6	4.6	4.7	5.0	5.2	5.1	5.0	4.9	4.8	5.2
80°	4.6	4.7	4.9	5.0	5.3	5.7	5.5	5.4	5.5	5.4	5.5
77.5°	5.1	5.0	5.3	5.6	5.6	5.8	5.9	5.9	6.1	6.1	5.9
75°	5.7	5.6	5.6	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.3
72.5°	5.7	5.8	5.9	5.9	6.2	6.3	6.5	6.7	6.9	7.0	6.7
70°	7.5	6.3	6.3	6.5	6.7	6.8	7.0	7.3	7.4	7.4	7.2
67.5°	10.5	8.8	7.7	7.2	7.3	7.5	7.6	7.9	8.0	7.9	7.7
65°	20.4	14.1	9.3	8.8	8.3	8.3	8.4	8.7	8.7	8.8	8.2
62.5°	29.9	22.0	16.1	11.9	10.3	10.5	9.5	10.2	9.7	9.9	9.2
60°	39.1	30.3	23.7	18.8	15.2	13.7	13.0	11.9	11.7	11.1	10.5
57.5°	38.4	37.0	33.4	26.9	23.1	19.5	17.6	15.8	14.1	13.4	12.0
55°	37.8	37.8	41.8	37.7	33.2	27.8	24.4	21.2	17.5	16.2	13.7
52.5°	44.0	44.9	48.3	50.5	47.1	38.7	35.1	27.1	24.1	19.2	16.7
50°	54.7	59.5	60.2	65.5	62.7	57.1	47.0	38.8	31.3	23.5	19.9
47.5°	82.8	87.4	82.8	87.1	83.0	78.5	66.2	52.7	39.0	30.8	23.2
45°	158.8	132.6	128.3	120.9	111.4	106.1	89.5	67.9	53.0	38.8	26.7
42.5°	264.9	227.7	206.4	161.9	157.2	138.4	116.8	92.4	68.0	47.3	32.6
40°	413.9	358.4	308.6	258.0	214.1	174.9	151.8	120.1	84.1	58.3	40.4
37.5°	558.4	492.6	435.3	360.2	286.8	234.5	190.2	149.8	104.8	73.9	48.4
35°	678.7	617.2	540.4	459.9	382.8	295.2	231.4	183.0	132.5	90.3	56.7
32.5°	777.5	715.2	627.3	545.8	459.2	355.9	281.6	218.4	160.7	107.4	65.3
30°	851.2	791.9	708.3	613.2	521.3	419.0	331.8	252.0	189.2	125.2	75.2
27.5°	927.6	870.7	786.8	681.8	574.9	473.3	373.1	283.8	217.9	143.4	88.3
25°	1004.0	945.6	868.0	757.5	628.6	516.0	410.6	314.1	245.1	162.5	100.7
22.5°	1070.8	1014.7	948.7	837.5	689.3	557.3	445.8	346.9	263.5	180.1	112.4
20°	1132.2	1073.4	1024.4	905.3	755.2	606.8	480.2	372.4	280.6	196.2	123.3
17.5°	1219.9	1125.6	1063.9	957.4	817.4	657.7	515.8	396.5	296.3	210.8	133.4
15°	1420.6	1176.8	1102.8	1003.2	868.0	705.6	551.4	419.7	310.6	223.8	142.3
12.5°	1604.2	1225.3	1143.5	1042.5	906.0	747.6	586.3	441.6	323.3	236.0	149.8
10°	1789.6	1272.4	1183.4	1080.6	938.6	783.9	619.9	464.3	339.2	247.7	156.6
7.5°	1993.0	1318.6	1220.6	1117.0	966.8	813.5	649.2	490.0	354.5	258.2	162.4
5°	2177.7	1361.2	1259.3	1157.6	995.3	836.9	674.3	513.7	368.6	267.4	167.4
2.5°	2307.1	1397.2	1297.3	1195.7	1019.9	855.8	695.4	534.9	381.1	275.1	171.5
0°	2403.4	1429.2	1332.0	1229.1	1040.3	870.4	712.7	553.2	391.8	281.3	174.6
-2.5°	2399.4	1456.0	1360.4	1261.3	1078.0	891.7	723.9	562.8	403.1	289.9	181.0
-5°	2358.4	1479.6	1386.1	1288.6	1109.7	908.3	731.4	569.2	412.3	296.7	186.3
-7.5°	2307.6	1506.0	1410.4	1310.5	1134.0	919.4	735.2	572.7	419.2	301.6	190.4
-10°	2224.0	1532.0	1432.9	1321.1	1138.9	926.0	736.4	573.3	423.9	304.6	193.3
-12.5°	2120.8	1555.7	1452.1	1325.4	1136.3	929.2	741.3	572.6	425.7	305.5	194.8
-15°	1983.4	1587.5	1475.5	1324.1	1128.7	928.0	740.8	568.6	422.3	303.3	194.8
-17.5°	1789.8	1611.3	1497.8	1319.6	1117.1	922.7	734.6	560.2	416.4	297.7	192.8
-20°	1766.7	1633.3	1510.2	1305.3	1100.8	911.1	722.3	547.1	408.0	290.2	189.1



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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°	1782.7	1658.2	1504.3	1281.4	1080.8	894.2	704.6	529.6	396.9	280.8	184.2
-25°	1786.1	1682.1	1495.6	1268.4	1057.7	870.5	683.9	512.5	383.3	269.5	178.0
-27.5°	1784.7	1677.8	1482.1	1240.9	1032.3	841.3	661.0	500.5	372.1	256.4	170.6
-30°	1780.5	1632.6	1434.3	1201.0	997.2	808.4	634.5	485.5	359.6	245.9	162.0
-32.5°	1755.9	1582.2	1372.9	1155.8	955.5	771.3	605.1	467.2	344.2	237.1	156.5
-35°	1691.4	1513.7	1310.2	1103.7	909.4	735.5	576.4	445.6	326.2	226.1	151.9
-37.5°	1620.9	1428.7	1246.5	1046.9	859.0	695.3	549.6	422.2	305.5	212.9	146.6
-40°	1518.7	1336.0	1162.6	983.2	807.3	650.3	518.7	396.0	286.6	197.5	140.0
-42.5°	1411.6	1238.8	1073.8	908.0	751.8	609.8	484.0	366.2	266.5	185.9	132.2
-45°	1303.1	1138.5	981.2	834.1	692.3	564.5	446.3	334.0	243.7	175.5	126.2
-47.5°	1188.4	1035.4	890.9	755.2	635.9	514.7	402.7	305.2	218.6	163.5	123.8
-50°	1070.1	930.0	799.4	681.7	571.6	460.9	357.4	273.3	202.9	149.9	121.0
-52.5°	950.5	823.7	712.0	608.0	504.2	402.2	316.3	239.4	185.8	142.8	117.6
-55°	828.4	725.4	628.3	530.7	433.5	349.7	272.4	216.7	167.1	138.3	114.1
-57.5°	722.5	632.2	540.2	449.4	369.1	296.8	238.6	192.7	158.1	133.3	111.8
-60°	618.1	533.1	448.1	375.8	307.9	252.6	210.6	173.1	151.5	128.2	109.2
-62.5°	509.4	433.9	368.3	305.5	258.1	219.1	184.9	164.2	144.1	124.5	106.2
-65°	407.4	346.9	290.9	254.9	219.5	190.2	173.8	154.8	138.0	120.3	102.8
-67.5°	310.0	276.6	243.5	211.2	192.5	177.3	162.1	147.0	132.1	115.8	99.3
-70°	254.2	224.5	205.5	191.5	177.9	164.4	152.7	139.7	125.8	111.4	95.6
-72.5°	214.6	200.9	187.8	175.4	164.8	154.1	143.6	132.3	119.9	106.7	91.6
-75°	193.7	182.7	172.7	162.8	153.1	143.4	134.7	125.1	113.7	101.8	87.4
-77.5°	177.6	167.9	159.0	150.4	142.2	134.2	126.2	117.7	107.2	96.4	83.1
-80°	162.1	154.0	146.3	138.6	131.6	124.7	117.2	109.7	100.3	90.7	78.5
-82.5°	147.3	140.4	133.3	126.3	120.1	113.8	107.6	101.4	93.1	84.9	74.2
-85°	132.0	126.1	119.9	113.6	108.2	102.8	98.4	93.8	86.9	80.0	70.5
-87.5°	119.7	114.8	109.7	104.7	100.5	96.3	91.9	87.5	81.3	75.0	66.7
-90°	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.7	4.7	4.7	4.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	55.7	46.2	36.8	25.9	15.1	9.9	4.7
87.5°	5.0	4.9	4.9	4.9	4.9	4.8	4.7
85°	5.2	5.1	5.0	5.1	5.0	4.9	4.7
82.5°	5.5	5.3	5.2	5.3	5.2	5.1	4.7
80°	5.7	5.6	5.4	5.5	5.4	5.2	4.7
77.5°	6.0	5.8	5.6	5.7	5.5	5.3	4.7
75°	6.2	6.1	5.8	5.9	5.7	5.4	4.7
72.5°	6.5	6.4	6.2	6.1	5.9	5.6	4.7
70°	6.8	6.8	6.5	6.3	6.1	5.7	4.7
67.5°	7.4	7.1	6.8	6.5	6.3	5.8	4.7
65°	8.0	7.6	7.2	6.8	6.5	5.9	4.7
62.5°	8.6	8.1	7.5	7.0	6.7	6.1	4.7
60°	9.2	8.7	7.8	7.3	6.9	6.2	4.7
57.5°	10.7	9.3	8.4	7.5	7.1	6.3	4.7
55°	12.5	9.9	9.1	7.8	7.4	6.4	4.7
52.5°	14.3	10.7	9.8	8.0	7.7	6.6	4.7
50°	16.4	12.7	10.6	8.2	8.0	6.7	4.7
47.5°	18.6	14.7	11.4	8.5	8.4	6.8	4.7
45°	21.6	16.9	12.2	9.2	8.7	6.9	4.7
42.5°	24.7	19.1	13.1	9.9	9.1	7.0	4.7
40°	27.9	21.3	14.5	10.8	9.5	7.1	4.7
37.5°	31.5	23.7	16.2	11.9	10.0	7.3	4.7
35°	35.1	26.4	18.0	13.1	10.4	7.4	4.7
32.5°	39.8	29.3	19.8	14.3	10.9	7.5	4.7
30°	46.8	32.1	21.6	15.5	11.3	7.6	4.7
27.5°	53.7	35.0	23.9	16.8	11.8	7.7	4.7
25°	60.5	37.9	26.2	18.0	12.3	7.8	4.7
22.5°	67.2	40.8	28.4	19.3	12.8	7.9	4.7
20°	73.6	43.8	30.5	20.6	13.3	8.0	4.7
17.5°	79.5	46.7	32.6	21.9	13.8	8.1	4.7
15°	84.9	49.5	34.6	23.2	14.3	8.1	4.7
12.5°	89.7	52.2	36.4	24.5	14.8	8.2	4.7
10°	94.1	54.7	38.2	25.7	15.3	8.3	4.7
7.5°	98.0	57.1	39.9	26.9	15.8	8.3	4.7
5°	101.4	59.3	41.5	28.1	16.2	8.4	4.7
2.5°	104.3	61.3	43.0	29.2	16.6	8.5	4.7
0°	106.7	63.2	44.4	30.2	17.0	8.5	4.7
-2.5°	110.1	65.8	46.3	31.5	17.9	8.9	4.7
-5°	113.0	68.3	48.2	32.8	18.8	9.2	4.7
-7.5°	115.3	70.5	49.9	34.0	19.6	9.6	4.7
-10°	117.1	72.5	51.4	35.0	20.3	9.9	4.7
-12.5°	118.2	74.3	52.8	36.0	21.1	10.2	4.7
-15°	118.8	75.9	54.1	37.0	21.7	10.5	4.7
-17.5°	118.8	77.2	55.3	37.8	22.4	10.8	4.7
-20°	118.3	78.3	56.2	38.5	22.9	11.1	4.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	117.4	79.1	57.1	39.2	23.5	11.4	4.7
-25°	115.8	79.8	57.7	39.7	23.9	11.6	4.7
-27.5°	113.5	80.3	58.2	40.2	24.3	11.8	4.7
-30°	110.5	80.5	58.6	40.5	24.6	12.0	4.7
-32.5°	106.8	80.5	59.0	40.8	24.9	12.2	4.7
-35°	105.3	80.3	59.3	41.0	25.1	12.3	4.7
-37.5°	104.7	80.0	59.4	41.0	25.2	12.5	4.7
-40°	103.8	79.9	59.4	41.0	25.3	12.6	4.7
-42.5°	102.5	79.7	59.4	41.0	25.2	12.7	4.7
-45°	100.9	79.3	59.3	40.9	25.2	12.7	4.7
-47.5°	98.9	78.7	59.1	40.8	25.0	12.7	4.7
-50°	97.6	77.8	58.7	40.6	24.8	12.8	4.7
-52.5°	96.2	76.8	58.2	40.3	24.5	12.7	4.7
-55°	94.6	75.8	57.5	39.9	24.1	12.7	4.7
-57.5°	92.7	74.5	56.7	39.3	23.7	12.6	4.7
-60°	90.6	73.0	55.7	38.7	23.2	12.5	4.7
-62.5°	88.3	71.3	54.6	37.9	22.8	12.4	4.7
-65°	85.8	69.4	53.4	37.1	22.4	12.3	4.7
-67.5°	83.0	67.4	52.0	36.1	21.9	12.1	4.7
-70°	80.0	65.2	50.5	35.1	21.3	11.9	4.7
-72.5°	76.9	62.8	48.8	34.2	20.7	11.7	4.7
-75°	73.7	60.3	47.0	33.2	20.0	11.5	4.7
-77.5°	70.3	57.6	45.5	32.2	19.3	11.3	4.7
-80°	66.7	55.3	43.9	31.1	18.5	11.0	4.7
-82.5°	64.0	53.2	42.3	29.9	17.7	10.8	4.7
-85°	61.3	51.0	40.6	28.7	16.9	10.5	4.7
-87.5°	58.6	48.7	38.7	27.3	16.0	10.2	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)