

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: P1306416 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-57-80-5S-VHE-A**

Issue Date: 2/3/2026

Test Information

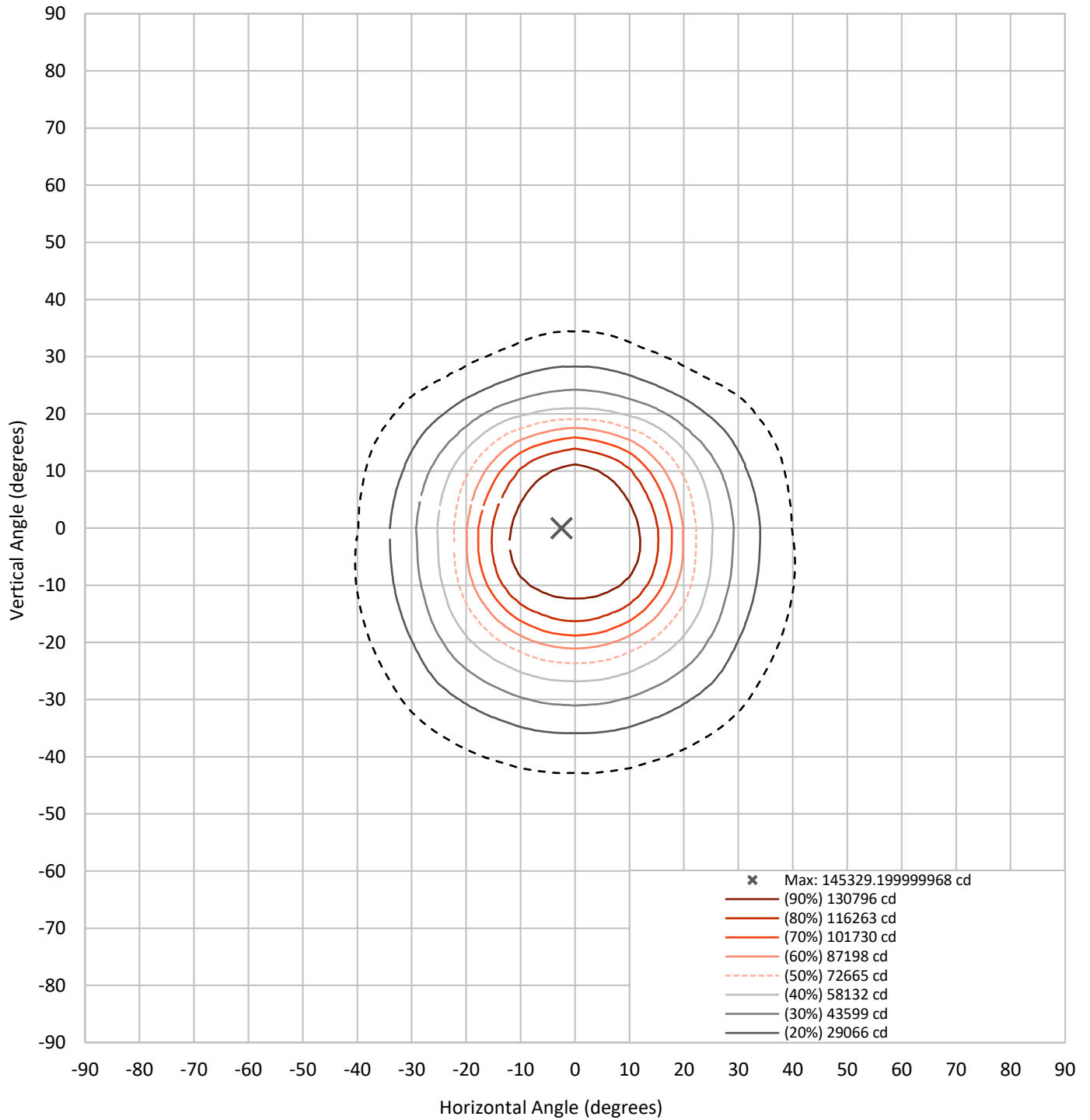
Test Method: LM-79-08
Report Number: P1306416 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-57-80-5S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	94629 lumens	Max Intensity:	145329.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	137.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	44.5°H x 42.5°V	Field Angle (10%):	79.6°H x 77.3°V
Beam Lumens:	51960.3 lumens	Field Lumens:	86952.5 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%
Input Watts (W):	688		
Input Voltage (V):	NR		
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





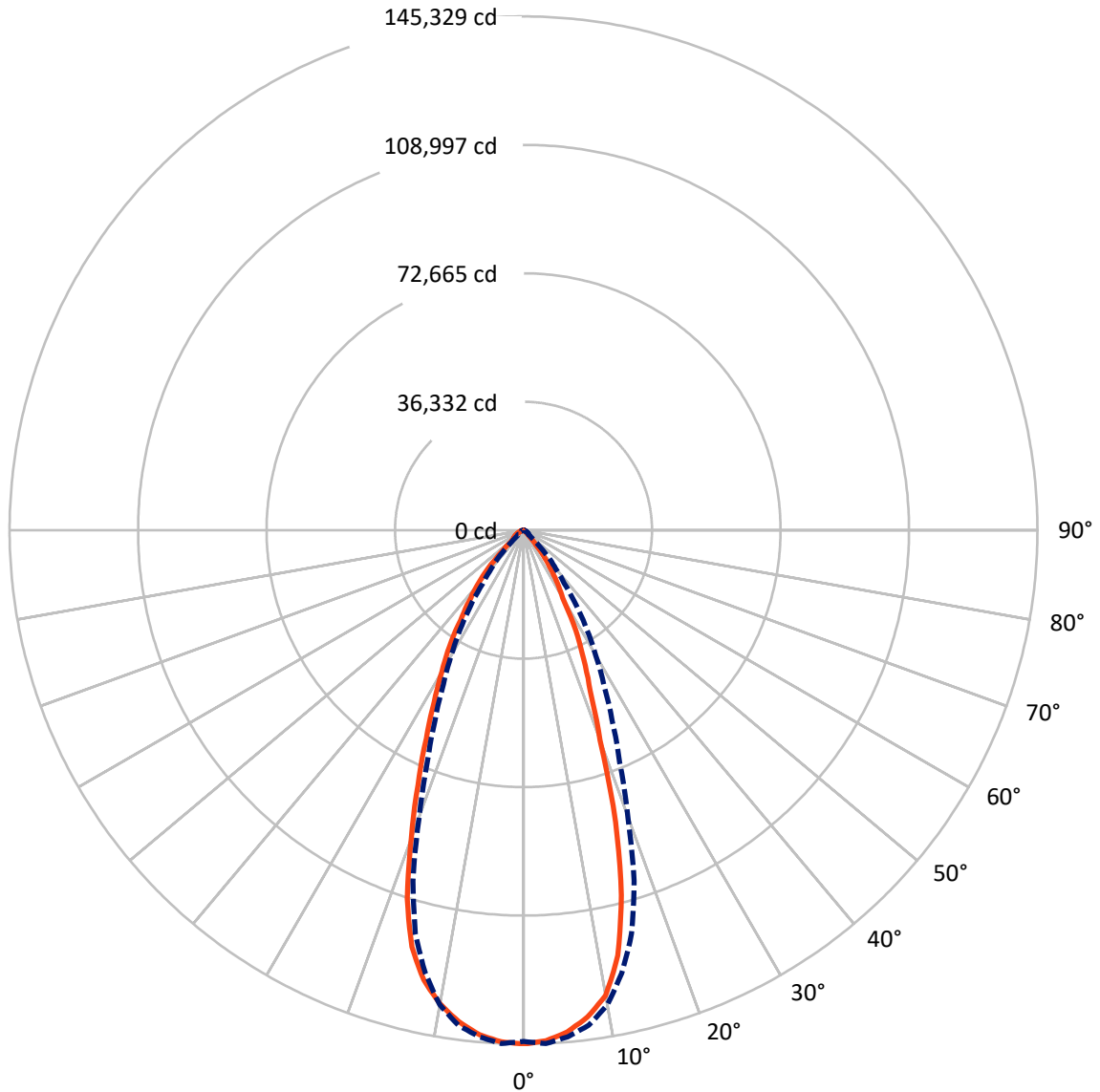
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Lumen Table

90	0.4	1.4	2.4	3.2	3.7	3.2	2.4	1.4	0.4										
80	0.4	1.4	2.4	3.2	3.7	3.2	2.4	1.4	0.4										
70	0.4	0.2	0.3	0.5	0.7	0.7	0.8	1.0	1.0	0.8	0.7	0.7	0.5	0.3	0.2	0.4			
60		0.5	0.8	1.3	1.4	1.0	1.2	1.4	1.4	1.2	1.0	1.4	1.3	0.8	0.5				
50	1.1	1.3	2.8	5.7	10.2	20.8	45.9	61.9	61.9	45.9	20.8	10.2	5.7	2.8	1.3	1.1			
40		2.9	9.4	19.2	48.6	144.4	267.5	394.2	394.2	267.5	144.4	48.6	19.2	9.4	2.9				
30	2.3	4.9	16.4	41.7	200.3	473.6	870.6	1195.3	1195.3	870.6	473.6	200.3	41.7	16.4	4.9	2.3			
20		6.7	21.8	94.2	437.5	1081.6	2104.5	3007.7	3007.7	2104.5	1081.6	437.5	94.2	21.8	6.7				
10	3.4	8.3	25.7	142.9	616.0	1570.6	3151.0	4179.9	4179.9	3151.0	1570.6	616.0	142.9	25.7	8.3	3.4			
0		9.3	28.7	152.4	663.7	1647.1	3342.8	4245.3	4245.3	3342.8	1647.1	663.7	152.4	28.7	9.3				
-10	4.1	9.6	30.2	125.6	565.1	1376.5	2593.0	3501.2	3501.2	2593.0	1376.5	565.1	125.6	30.2	9.6	4.1			
-20		9.1	30.1	78.0	366.5	911.4	1515.5	1964.6	1964.6	1515.5	911.4	366.5	78.0	30.1	9.1				
-30	4.1	8.2	26.4	56.2	149.1	443.3	746.0	947.7	947.7	746.0	443.3	149.1	56.2	26.4	8.2	4.1			
-40		6.9	19.5	42.5	72.0	117.6	220.1	308.5	308.5	220.1	117.6	72.0	42.5	19.5	6.9				
-50	3.7	5.6	13.0	26.6	47.1	66.0	81.2	92.8	92.8	81.2	66.0	47.1	26.6	13.0	5.6	3.7			
-60		4.5	8.6	15.0	24.4	33.4	42.5	48.9	48.9	42.5	33.4	24.4	15.0	8.6	4.5				
-70	2.7	16.6	36.6	57.5	70.5	57.5	36.6	16.6	2.7						2.7				
-80		16.6	36.6	57.5	70.5	57.5	36.6	16.6	2.7										
-90	2.7	16.6	36.6	57.5	70.5	57.5	36.6	16.6	2.7						2.7				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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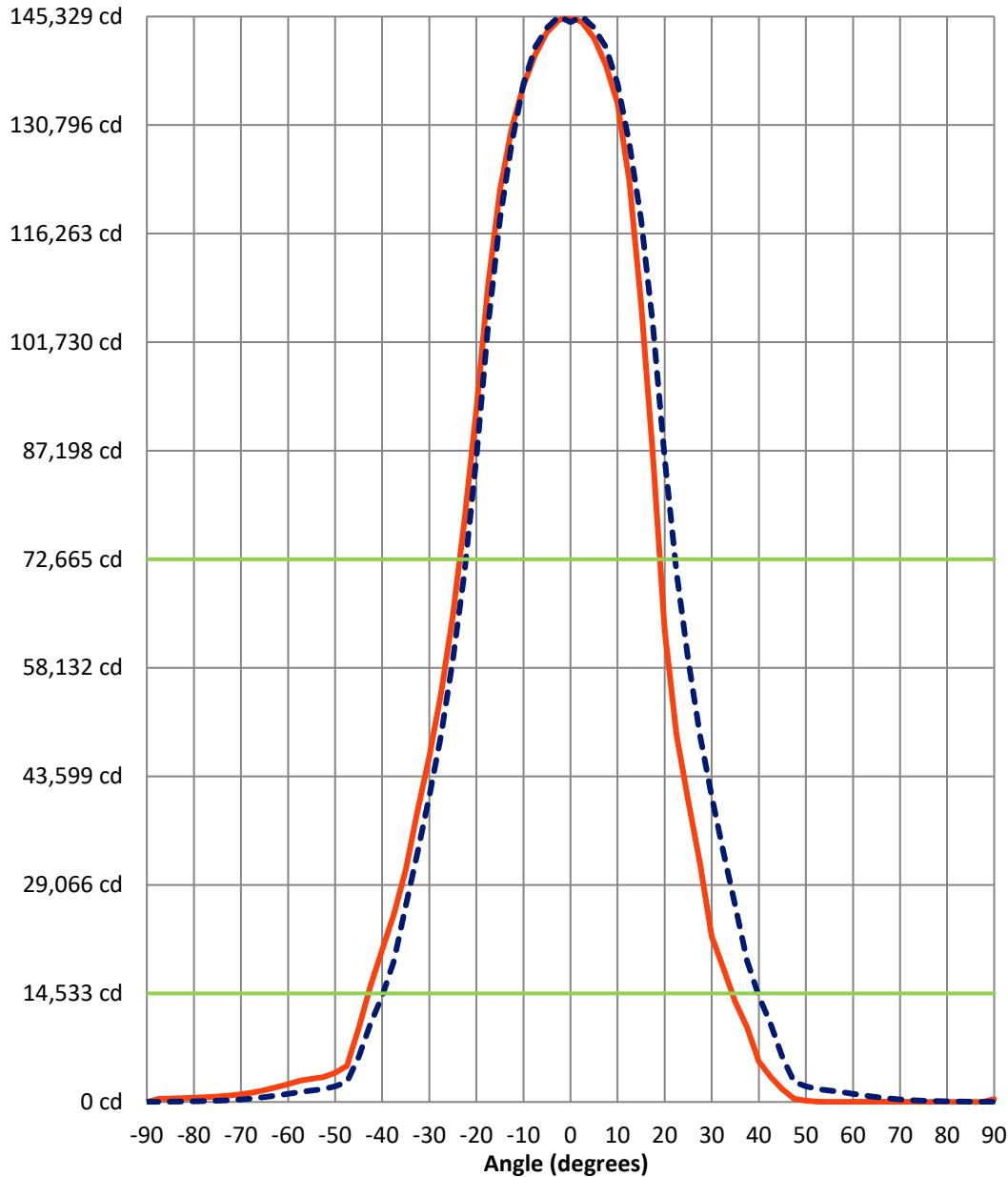
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
H Angle: 44.5°
V Angle: 42.5°
Lumens: 51960.3
Efficiency: 54.9%

Field:
H Angle: 79.6°
V Angle: 77.3°
Lumens: 86952.5
Efficiency: 91.9%

Spill:
Lumens: 7676.5
Efficiency: 8.1%

— Vertical Distribution through -2.5-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°	12.6	24.5	36.5	60.5	84.5	106.8	129.1	147.4	165.6	178.8	191.9
87.5°	12.6	11.7	10.6	10.7	10.7	10.8	10.9	10.4	9.9	9.8	9.6
85°	12.6	12.0	10.9	11.0	11.1	11.3	11.5	11.1	10.7	10.5	10.1
82.5°	12.6	12.2	11.2	11.4	11.5	11.8	12.1	11.8	11.5	11.1	10.6
80°	12.6	12.5	11.5	11.8	11.9	12.3	12.7	12.5	12.3	11.8	11.2
77.5°	12.6	12.7	11.9	12.2	12.3	12.9	13.3	13.2	13.1	12.6	11.8
75°	12.6	13.0	12.2	12.6	12.8	13.6	13.9	13.9	13.9	13.2	12.4
72.5°	12.6	13.2	12.6	12.9	13.6	14.4	14.6	14.6	14.4	13.7	13.0
70°	12.6	13.5	12.9	13.4	14.4	15.2	15.3	15.5	15.1	14.3	14.0
67.5°	12.6	13.8	13.3	14.0	15.2	16.0	16.3	16.4	15.8	15.6	15.3
65°	12.6	14.1	13.7	14.7	16.0	16.9	17.4	17.4	17.4	17.0	16.9
62.5°	12.6	14.3	14.2	15.4	16.8	17.9	18.4	18.9	19.1	18.8	19.7
60°	12.6	14.6	14.6	16.0	17.7	18.8	19.5	20.7	20.9	22.7	23.0
57.5°	12.6	14.9	15.4	16.7	18.8	19.8	21.7	22.6	25.7	27.5	29.2
55°	12.6	15.2	16.1	17.3	20.1	20.8	24.2	25.0	31.8	34.0	37.6
52.5°	12.6	15.4	17.0	18.0	21.4	22.1	26.9	31.4	38.7	44.3	47.0
50°	12.6	15.7	17.8	18.6	22.8	25.3	29.9	38.4	47.0	55.2	60.7
47.5°	12.6	16.0	18.8	19.4	24.4	28.6	33.5	45.6	57.7	66.8	76.1
45°	12.6	16.3	19.7	20.7	26.0	32.1	39.8	52.9	68.6	81.7	92.4
42.5°	12.6	16.6	20.7	22.0	27.7	35.8	46.1	61.7	79.9	97.1	116.9
40°	12.6	16.9	21.8	23.9	30.1	39.6	52.9	71.8	92.3	113.2	144.3
37.5°	12.6	17.1	22.9	26.2	33.2	43.6	60.1	82.1	106.8	132.3	173.1
35°	12.6	17.4	24.0	28.5	36.2	48.8	67.5	92.5	121.7	158.4	206.4
32.5°	12.6	17.7	25.1	30.9	39.3	54.7	75.4	103.4	137.0	184.9	244.3
30°	12.6	18.0	26.3	33.3	42.4	60.5	84.6	115.0	152.6	211.9	281.5
27.5°	12.6	18.2	27.5	35.8	46.5	66.2	93.5	127.6	170.1	239.2	317.9
25°	12.6	18.5	28.7	38.3	50.8	71.8	102.3	139.7	190.3	268.5	353.6
22.5°	12.6	18.7	29.9	40.8	54.9	77.5	110.8	151.3	209.4	293.7	391.4
20°	12.6	19.0	31.2	43.3	59.0	83.7	119.1	162.3	227.3	317.5	422.9
17.5°	12.6	19.2	32.4	45.8	62.9	89.7	127.3	172.8	244.0	340.0	452.8
15°	12.6	19.5	33.6	48.2	66.8	95.4	135.2	183.0	259.5	360.8	481.1
12.5°	12.6	19.7	34.7	50.7	70.5	100.8	142.7	193.0	275.0	380.1	507.6
10°	12.6	19.9	35.9	53.0	74.1	105.9	149.7	202.4	290.4	402.8	535.6
7.5°	12.6	20.1	37.0	55.3	77.5	110.8	156.2	211.1	304.7	424.8	569.1
5°	12.6	20.3	38.1	57.6	80.8	115.3	162.2	219.2	317.7	445.2	600.6
2.5°	12.6	20.4	39.1	59.7	83.9	119.5	167.6	226.5	329.2	463.6	629.6
0°	12.6	20.6	40.0	61.7	86.8	123.3	172.5	233.0	339.2	479.7	655.6
-2.5°	12.6	21.4	41.7	64.4	90.8	128.9	179.9	242.5	350.8	493.3	669.0
-5°	12.6	22.2	43.3	67.0	94.6	134.2	186.6	251.1	360.7	504.3	678.8
-7.5°	12.6	22.9	44.9	69.4	98.2	139.1	192.7	258.7	368.7	512.6	685.3
-10°	12.6	23.6	46.3	71.7	101.6	143.5	198.1	265.3	374.8	518.2	688.3
-12.5°	12.6	24.3	47.7	73.9	104.7	147.4	202.8	270.9	378.9	521.2	693.1
-15°	12.6	25.0	49.0	75.8	107.5	150.9	206.8	275.4	381.2	522.0	695.6
-17.5°	12.6	25.6	50.1	77.7	110.0	153.8	210.0	279.3	381.8	519.8	692.8
-20°	12.6	26.2	51.2	79.3	112.2	156.2	212.9	282.6	380.4	514.4	684.2



REPORT NUMBER: P1306416 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-57-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	12.6	26.8	52.1	80.8	114.1	158.1	215.8	284.8	377.0	505.9	670.5
-25°	12.6	27.3	53.0	82.0	115.7	160.3	217.9	286.1	371.6	494.2	658.5
-27.5°	12.6	27.8	53.7	83.1	117.0	162.4	219.2	286.2	364.3	486.3	649.7
-30°	12.6	28.2	54.3	84.0	118.0	163.9	219.6	285.4	361.2	480.0	636.0
-32.5°	12.6	28.6	54.8	84.7	120.0	165.0	219.1	284.7	360.9	470.4	617.0
-35°	12.6	29.0	55.2	85.2	121.7	165.5	219.2	283.6	358.9	457.5	592.7
-37.5°	12.6	29.3	55.4	85.6	123.0	166.0	219.1	281.9	355.0	441.3	570.7
-40°	12.6	29.5	55.6	85.7	124.0	167.2	218.4	279.0	349.4	431.4	549.5
-42.5°	12.6	29.7	55.6	85.9	124.9	168.1	217.2	274.9	343.9	423.3	524.6
-45°	12.6	29.9	55.5	86.4	125.6	168.5	215.3	271.0	337.8	412.8	498.5
-47.5°	12.6	30.0	55.2	86.6	125.8	168.5	212.7	267.7	330.3	400.2	483.9
-50°	12.6	30.0	54.9	86.6	125.6	168.1	211.7	263.6	320.7	388.8	466.6
-52.5°	12.6	30.0	54.4	86.5	125.1	167.2	210.6	258.5	312.5	375.2	445.7
-55°	12.6	29.9	53.8	86.1	124.1	165.7	208.8	252.9	304.5	359.7	424.8
-57.5°	12.6	29.8	53.0	85.5	122.7	163.7	206.6	250.0	295.4	347.4	401.9
-60°	12.6	29.7	52.2	84.6	120.9	161.2	203.7	246.0	286.3	335.4	380.1
-62.5°	12.6	29.5	51.5	83.5	119.2	158.3	199.9	241.2	280.4	321.5	362.7
-65°	12.6	29.2	50.7	82.1	117.2	154.9	195.5	235.6	273.8	310.7	344.2
-67.5°	12.6	28.9	49.7	80.6	114.8	151.2	190.6	228.8	266.4	300.4	329.9
-70°	12.6	28.6	48.6	78.8	112.1	147.1	185.1	221.5	257.4	289.4	316.9
-72.5°	12.6	28.2	47.4	77.1	109.2	142.6	178.7	213.5	247.7	276.9	303.2
-75°	12.6	27.8	46.1	75.2	105.9	137.6	171.5	204.2	237.3	264.0	288.7
-77.5°	12.6	27.3	44.7	73.2	102.8	132.1	163.8	194.1	225.0	250.1	273.7
-80°	12.6	26.8	43.2	71.0	99.6	127.2	155.5	183.4	211.9	234.3	256.2
-82.5°	12.6	26.3	41.6	68.6	96.1	122.5	149.2	173.4	198.4	218.0	237.5
-85°	12.6	25.7	40.0	66.0	92.5	117.5	142.8	165.0	187.6	204.1	220.3
-87.5°	12.6	25.2	38.3	63.3	88.6	112.3	136.1	156.3	176.8	191.5	206.2
-90°	12.6	11.5	10.3	10.3	10.3	10.3	10.3	9.7	9.1	9.1	9.1



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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°	199.9	207.9	215.3	222.7	231.9	241.0	250.7	260.4	270.7	281.0	290.7
87.5°	9.1	8.6	8.6	8.6	8.1	7.6	7.3	6.9	6.3	5.7	5.6
85°	9.6	9.1	9.2	9.1	8.7	8.3	7.9	7.4	6.9	6.4	6.4
82.5°	10.4	10.3	9.9	9.2	9.0	9.0	8.6	8.1	7.6	7.3	7.1
80°	11.1	11.4	10.5	9.6	9.4	9.2	8.6	8.1	8.0	8.0	7.6
77.5°	11.6	11.5	10.8	10.3	9.9	9.5	9.1	8.7	8.5	8.1	8.0
75°	12.0	11.6	11.2	10.6	10.2	10.1	10.0	9.6	9.4	9.4	9.4
72.5°	12.6	12.3	11.8	10.9	10.5	10.8	10.8	10.5	10.8	11.2	11.2
70°	13.6	13.2	12.4	11.6	11.2	11.6	12.1	12.9	13.8	14.0	15.1
67.5°	14.7	14.3	13.2	12.6	12.3	13.0	13.7	16.5	19.2	20.6	22.3
65°	16.4	15.6	14.5	14.4	13.7	16.5	18.9	21.8	27.2	29.9	29.7
62.5°	18.4	18.6	17.2	17.5	19.9	22.3	26.5	32.7	39.1	41.6	39.3
60°	23.3	22.6	22.7	24.3	26.8	29.8	36.2	43.9	51.3	55.2	49.3
57.5°	29.9	29.6	31.4	32.4	35.8	36.7	45.2	54.9	61.2	65.9	58.1
55°	39.1	39.4	42.7	43.8	46.3	46.2	53.5	62.6	69.0	71.3	63.1
52.5°	51.9	52.4	58.5	59.4	58.6	59.4	62.0	71.7	77.2	77.3	70.2
50°	65.9	73.2	77.0	79.5	75.1	77.8	75.3	86.1	94.2	93.4	96.0
47.5°	86.7	96.5	102.0	106.0	102.7	111.2	109.3	125.9	131.5	163.0	167.9
45°	111.4	127.1	134.4	143.2	153.1	163.4	189.9	190.0	264.2	293.4	370.4
42.5°	139.1	162.6	182.8	186.4	235.7	264.3	300.5	374.9	447.3	538.4	573.0
40°	175.8	201.9	243.0	289.5	344.2	406.5	473.9	564.2	659.3	706.4	712.4
37.5°	216.5	265.6	322.9	407.2	491.1	573.0	658.4	746.7	815.3	832.7	896.6
35°	260.2	332.1	439.2	535.9	633.6	746.7	822.7	904.1	945.2	1017.3	1140.3
32.5°	315.2	400.4	533.5	659.3	767.9	891.0	963.8	1026.1	1122.8	1247.7	1519.5
30°	372.6	477.5	612.0	757.4	891.1	994.3	1077.2	1155.3	1306.7	1608.8	2540.4
27.5°	420.4	543.7	685.2	847.2	999.7	1093.9	1187.8	1324.3	1594.8	2217.2	3984.1
25°	463.3	597.1	756.9	944.9	1094.3	1197.9	1320.3	1512.9	1937.3	3626.6	5890.9
22.5°	505.1	649.8	838.7	1047.7	1190.2	1300.2	1485.5	1833.4	2722.8	5097.7	7819.1
20°	548.4	717.1	927.5	1143.2	1282.0	1390.9	1629.8	2144.7	3965.3	6681.4	9520.5
17.5°	593.6	785.0	1014.0	1211.0	1340.9	1485.9	1782.1	2400.0	5002.5	8160.4	11338.5
15°	637.9	850.1	1088.0	1269.6	1394.9	1588.4	1986.5	3153.1	6099.3	9811.9	13282.3
12.5°	680.3	909.3	1145.3	1315.5	1448.1	1684.0	2154.5	3982.7	7418.0	11345.3	14972.2
10°	720.2	962.3	1193.6	1359.0	1505.9	1786.0	2316.2	4794.8	8572.5	12341.9	16015.2
7.5°	761.3	1006.5	1234.4	1400.4	1561.7	1882.1	2494.3	5425.8	9434.5	13108.4	16821.1
5°	798.4	1040.5	1273.6	1446.8	1619.2	1967.4	2638.3	5908.1	10081.2	13741.8	17538.8
2.5°	830.9	1067.1	1306.9	1490.4	1675.2	2038.8	2679.8	6042.2	10385.1	14082.5	18244.8
0°	858.8	1087.3	1333.9	1529.2	1725.7	2096.9	2690.7	6018.7	10460.3	14185.7	18932.2
-2.5°	874.6	1113.3	1382.2	1584.9	1770.8	2143.7	2747.7	6027.6	10523.8	14908.8	19816.1
-5°	885.7	1132.8	1421.8	1634.4	1810.8	2176.6	2779.4	5890.7	10437.8	15289.4	20074.5
-7.5°	891.9	1145.1	1451.0	1675.4	1847.1	2200.5	2797.2	5667.8	10442.7	15306.7	19749.6
-10°	895.2	1156.8	1464.7	1698.5	1878.3	2211.9	2788.6	5285.1	10028.1	14892.4	19214.2
-12.5°	906.0	1167.5	1469.6	1715.6	1903.2	2214.6	2801.3	4910.6	9250.5	14138.2	18448.8
-15°	910.1	1170.3	1466.8	1729.7	1943.3	2241.6	2801.8	4328.9	8241.0	13181.1	17486.4
-17.5°	907.3	1165.0	1458.5	1750.1	1980.4	2243.8	2738.1	3565.9	7087.9	11819.4	16219.3
-20°	897.4	1152.9	1440.2	1760.2	2001.6	2262.4	2719.5	3442.0	5957.9	10117.0	14680.6



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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°	883.1	1134.2	1414.1	1738.0	2025.8	2303.1	2694.1	3277.2	4629.1	8172.2	12775.8
-25°	866.0	1113.5	1386.1	1712.4	2037.1	2329.2	2615.0	3057.2	3848.9	6508.3	10418.2
-27.5°	848.1	1084.1	1356.3	1669.9	2030.3	2316.7	2568.5	2935.3	3494.7	4659.6	7961.7
-30°	825.4	1048.9	1312.4	1614.9	1970.2	2278.5	2540.2	2777.5	3159.6	3859.6	5841.7
-32.5°	797.6	1007.5	1263.5	1552.3	1879.5	2232.6	2474.7	2680.9	2971.9	3400.9	4214.2
-35°	766.3	971.0	1209.1	1473.2	1772.0	2117.6	2376.1	2594.3	2790.9	3121.1	3641.2
-37.5°	734.4	925.9	1139.1	1389.6	1674.1	1956.2	2261.3	2478.7	2676.8	2884.0	3254.4
-40°	697.0	869.9	1069.6	1301.2	1542.5	1798.5	2081.4	2353.8	2549.5	2765.5	2987.6
-42.5°	656.1	816.7	995.2	1196.0	1412.5	1642.7	1893.8	2166.7	2429.0	2635.4	2839.6
-45°	623.2	759.2	915.9	1094.7	1281.1	1486.0	1715.0	1953.9	2232.4	2499.8	2688.6
-47.5°	583.3	701.9	846.5	988.2	1156.9	1339.6	1535.3	1761.6	1995.2	2258.5	2516.7
-50°	545.2	654.0	765.1	893.0	1036.1	1196.7	1371.1	1570.4	1786.4	2002.1	2236.4
-52.5°	519.2	602.3	697.0	797.9	923.0	1060.6	1215.2	1384.4	1573.6	1762.1	1965.3
-55°	490.6	562.5	630.6	716.1	814.4	933.8	1067.9	1215.8	1360.2	1532.3	1704.7
-57.5°	462.6	522.3	576.9	642.6	724.7	812.4	934.3	1057.3	1182.7	1316.0	1461.8
-60°	434.3	483.2	531.0	584.0	643.9	721.6	806.3	909.2	1011.6	1118.1	1247.1
-62.5°	406.0	445.8	486.8	532.5	583.4	635.9	705.1	780.1	851.9	948.9	1051.7
-65°	383.3	410.7	444.6	484.8	525.8	573.8	622.1	669.0	732.0	805.6	880.1
-67.5°	358.8	384.6	409.5	437.7	474.8	514.4	554.3	596.4	639.1	689.6	744.0
-70°	341.0	359.2	381.3	404.7	429.0	457.7	493.2	528.1	564.2	606.3	649.6
-72.5°	324.1	340.9	357.5	373.8	395.7	419.4	443.0	466.4	496.4	532.3	566.8
-75°	306.9	322.3	337.4	352.3	368.8	386.5	405.0	426.2	449.4	474.3	498.3
-77.5°	289.3	302.9	316.7	330.4	345.5	361.2	377.3	393.5	411.8	431.1	449.7
-80°	270.4	283.2	295.5	307.7	321.3	335.3	349.7	364.2	380.3	397.0	412.5
-82.5°	249.6	260.9	272.4	283.7	296.4	308.9	321.7	334.4	348.6	363.1	376.3
-85°	229.7	238.4	248.6	258.6	270.1	281.5	292.9	304.3	317.4	330.4	341.9
-87.5°	214.8	223.2	231.5	239.7	249.5	259.2	269.1	278.9	290.4	301.9	311.9
-90°	8.6	8.0	8.0	8.0	7.5	6.9	6.9	6.9	6.3	5.7	5.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	300.4	306.7	312.9	318.1	323.2	330.1	336.9	346.1	355.2	364.4	373.5
87.5°	5.5	5.1	4.6	4.5	4.5	4.5	4.5	4.0	3.4	3.4	3.4
85°	6.5	6.4	6.3	5.9	5.5	5.5	5.6	5.5	5.5	5.1	4.6
82.5°	6.9	6.9	6.9	6.3	5.7	5.7	5.7	5.7	5.7	5.2	4.6
80°	7.3	7.1	6.9	6.7	6.5	6.2	5.8	5.3	4.8	4.7	4.6
77.5°	8.1	7.8	7.4	7.2	7.0	6.4	5.8	5.2	4.7	4.6	4.6
75°	9.2	8.8	8.6	8.2	7.6	7.3	7.2	6.9	6.5	6.6	6.7
72.5°	11.0	10.8	10.9	11.2	11.1	11.5	12.0	12.4	12.9	13.8	14.9
70°	16.5	17.6	18.1	18.4	18.4	18.1	18.1	18.4	19.0	19.5	20.0
67.5°	24.1	25.8	26.8	27.3	25.4	24.4	24.6	25.1	26.0	27.6	29.9
65°	31.4	30.9	30.0	29.5	29.7	29.8	29.7	30.0	31.6	33.9	36.8
62.5°	36.8	31.9	28.9	27.5	28.5	30.2	29.0	28.1	29.4	30.9	32.3
60°	42.1	32.9	26.3	24.3	24.0	24.7	22.7	20.9	21.5	22.0	22.7
57.5°	47.2	35.2	24.4	20.8	17.4	15.7	15.2	14.6	14.2	13.9	14.0
55°	51.6	38.3	23.9	21.2	18.8	18.3	16.8	16.0	15.3	15.0	15.4
52.5°	57.2	49.3	39.3	36.5	41.1	41.5	36.7	43.6	48.9	51.3	52.2
50°	93.7	83.9	100.7	99.1	118.8	132.7	127.8	143.3	166.4	180.9	186.9
47.5°	205.8	206.2	239.4	268.9	293.3	325.1	349.6	373.2	406.1	426.5	435.8
45°	390.5	423.7	458.4	508.9	557.5	616.4	687.4	743.2	967.2	1190.4	1393.3
42.5°	597.7	634.2	685.0	795.1	925.9	1228.7	1770.0	2072.3	2449.5	2860.1	3017.7
40°	770.2	823.1	962.7	1272.6	2027.4	2746.1	3535.6	4203.2	4794.1	5134.1	5418.2
37.5°	983.3	1109.6	1745.0	2622.3	3560.7	4461.5	5274.5	5980.0	6592.4	7089.0	7580.6
35°	1293.7	2132.9	3071.6	4212.2	5209.8	6044.3	6886.6	7695.0	8389.5	9131.3	10233.6
32.5°	2452.6	3549.4	4756.8	5779.1	6754.1	7807.1	8692.2	9985.7	10998.7	12351.2	14418.1
30°	3936.6	5313.1	6407.8	7430.5	8680.8	10097.5	11575.6	13554.0	15621.4	17778.0	19997.4
27.5°	5841.9	7232.2	8386.4	9750.5	11401.3	13286.7	16112.5	18901.3	21866.2	24563.0	26612.7
25°	8138.5	9610.9	11583.8	13563.1	15925.4	19147.5	22322.2	25739.1	28711.7	31358.3	34320.9
22.5°	10290.9	12704.6	15309.9	18297.8	22144.8	25778.8	29704.1	33161.9	36892.4	40664.5	43581.8
20°	12108.0	15252.5	18989.8	23297.2	27561.4	31677.8	36245.8	41757.5	47311.2	52272.8	55873.3
17.5°	14559.2	18541.5	23193.5	28313.5	32904.2	38005.6	44363.1	51524.5	59306.6	66192.1	71651.7
15°	17237.5	21887.6	27147.7	32512.5	38320.4	45156.0	53331.0	62476.8	71995.9	81650.9	90645.9
12.5°	19058.2	24506.2	30250.3	36629.2	43873.3	53038.3	62964.9	73103.6	83981.8	95995.0	106429.2
10°	20614.8	26658.8	33588.7	41008.6	49332.5	59184.7	69444.3	81758.9	95337.4	107167.5	118343.6
7.5°	22154.4	29256.5	36495.5	44221.1	53366.4	64067.2	76209.4	89453.4	103272.1	116130.6	125270.0
5°	23976.1	31344.3	38582.8	46743.6	56320.8	67451.6	80258.9	95467.5	110026.9	121846.5	130089.8
2.5°	25482.5	32596.8	40008.7	48085.8	57928.7	69550.2	83450.4	100351.6	115291.0	126342.6	133801.9
0°	26249.5	33398.9	40905.7	49113.8	59204.1	71062.3	86227.9	103982.6	118102.1	128311.6	136299.9
-2.5°	26342.9	33143.9	40512.4	48608.0	58469.6	70562.9	86110.2	104074.7	118833.8	129445.1	137326.5
-5°	26070.7	32808.0	40162.3	48262.9	57991.1	70587.9	86198.4	103472.5	117734.0	128725.6	136147.9
-7.5°	25414.2	32191.1	39559.1	47540.3	57115.7	69332.7	83892.2	99550.1	114219.3	126095.6	132942.7
-10°	24452.2	31111.0	38365.4	46005.6	55035.8	66331.1	79352.0	93686.9	108510.4	119865.6	127761.9
-12.5°	23235.7	29537.6	36472.4	43695.6	52221.3	62744.8	74351.5	86354.9	98780.9	111726.6	119951.1
-15°	21839.0	27597.5	34088.9	41350.9	49779.9	58550.0	67769.6	77549.0	88908.5	99497.7	109071.1
-17.5°	20513.8	25473.4	31530.1	38605.5	45783.1	53403.5	61304.9	69289.2	78398.3	86710.6	94146.6
-20°	18848.3	23071.3	28651.8	34938.6	41608.3	48211.2	54998.1	61466.7	68079.6	74845.4	80751.1



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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°	16885.3	20992.1	25648.1	31122.1	37525.2	43401.9	48837.6	53892.7	59193.3	63874.8	68735.0
-25°	14746.9	18695.5	22974.2	27964.3	32880.6	38208.2	42719.6	47018.6	51130.0	54806.1	58585.4
-27.5°	12120.8	16289.4	20507.0	24500.8	28557.7	32382.9	36589.3	40555.7	43984.5	47017.1	50012.5
-30°	9162.4	13586.9	17576.5	21002.5	24218.8	27409.2	30629.5	33957.8	37203.7	39965.2	42418.6
-32.5°	6760.2	10451.2	14138.9	17496.2	20311.1	22948.0	25452.3	28063.7	30333.9	32665.0	34933.8
-35°	4472.6	7081.4	10142.9	13555.9	16487.6	18705.9	20976.7	23058.6	24770.0	26577.2	28290.1
-37.5°	3764.1	4458.3	6506.3	9277.3	11992.6	14543.5	16808.0	18617.9	20193.1	21636.6	23115.9
-40°	3320.4	3716.4	4299.1	5305.8	7589.4	9833.4	12166.5	14090.3	15768.4	17152.1	18514.1
-42.5°	3029.1	3300.9	3591.2	3987.7	4378.5	5477.5	7392.6	9053.2	10627.1	12186.1	13589.3
-45°	2878.3	3030.8	3196.9	3412.4	3579.5	3877.4	4210.1	4522.6	5775.2	7128.9	8261.9
-47.5°	2697.3	2859.9	2984.0	3085.5	3166.8	3297.6	3435.9	3616.7	3906.7	4248.6	4509.6
-50°	2465.9	2663.3	2787.1	2888.9	2947.3	2997.8	3047.7	3161.0	3318.1	3504.6	3652.5
-52.5°	2166.8	2362.1	2537.4	2669.8	2734.3	2797.2	2859.9	2937.7	3027.1	3134.7	3211.9
-55°	1884.8	2048.0	2199.6	2323.1	2434.5	2535.9	2633.4	2715.9	2812.3	2914.7	2986.7
-57.5°	1617.2	1749.0	1873.4	1980.4	2076.7	2162.0	2261.7	2370.1	2493.4	2610.8	2693.4
-60°	1367.2	1471.9	1575.4	1662.3	1740.7	1810.6	1902.8	1993.6	2101.7	2197.9	2268.0
-62.5°	1143.4	1235.0	1311.5	1377.1	1436.2	1494.7	1572.2	1648.2	1737.1	1813.9	1872.1
-65°	950.0	1026.4	1080.3	1129.0	1171.7	1221.6	1281.6	1342.5	1412.4	1472.1	1519.8
-67.5°	800.9	852.7	886.5	916.5	952.1	991.7	1037.0	1085.7	1140.1	1185.2	1221.8
-70°	688.2	720.4	741.0	763.3	789.3	816.8	847.5	884.1	925.4	960.7	991.0
-72.5°	598.9	623.6	640.6	657.9	673.5	692.3	712.9	740.3	770.8	798.4	824.0
-75°	521.5	539.2	555.0	570.1	583.7	599.6	616.1	639.1	664.1	686.8	708.3
-77.5°	469.6	483.2	493.8	503.9	513.7	526.9	540.5	559.1	578.6	597.4	615.5
-80°	427.9	438.4	447.4	454.8	461.6	472.8	484.4	499.7	515.2	531.4	547.5
-82.5°	389.3	398.5	407.1	414.1	420.6	430.7	441.2	454.8	468.5	482.0	495.2
-85°	353.2	361.6	369.6	376.3	382.9	391.1	399.3	411.1	422.9	435.1	447.3
-87.5°	321.8	329.7	337.6	342.8	348.0	355.3	362.6	372.6	382.7	393.2	403.8
-90°	4.6	4.6	4.6	4.0	3.4	3.4	3.4	2.9	2.3	2.3	2.3



REPORT NUMBER: P1306416 (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°	378.1	382.6	384.9	387.2	384.9	382.6	378.1	373.5	364.4	355.2	346.1
87.5°	2.8	2.3	2.3	2.3	2.3	2.3	2.8	3.4	3.4	3.4	4.0
85°	4.0	3.4	4.0	4.6	4.0	3.4	4.0	4.6	5.1	5.5	5.5
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.2	5.7	5.7
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.8	5.3
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	5.2
75°	6.3	5.7	5.7	5.7	5.7	5.7	6.3	6.7	6.6	6.5	6.9
72.5°	15.4	15.7	16.4	17.1	16.4	15.7	15.4	14.9	13.8	12.9	12.4
70°	20.3	20.5	20.6	20.6	20.6	20.5	20.3	20.0	19.5	19.0	18.4
67.5°	31.1	31.6	32.9	34.3	32.9	31.6	31.1	29.9	27.6	26.0	25.1
65°	38.9	40.5	41.0	41.1	41.0	40.5	38.9	36.8	33.9	31.6	30.0
62.5°	33.7	35.2	35.5	35.4	35.5	35.2	33.7	32.3	30.9	29.4	28.1
60°	23.5	24.2	24.6	25.1	24.6	24.2	23.5	22.7	22.0	21.5	20.9
57.5°	14.2	14.9	14.9	14.8	14.9	14.9	14.2	14.0	13.9	14.2	14.6
55°	15.6	15.9	15.5	14.8	15.5	15.9	15.6	15.4	15.0	15.3	16.0
52.5°	50.9	48.3	45.8	43.4	45.8	48.3	50.9	52.2	51.3	48.9	43.6
50°	185.0	181.9	177.5	172.5	177.5	181.9	185.0	186.9	180.9	166.4	143.3
47.5°	444.1	445.0	440.7	432.8	440.7	445.0	444.1	435.8	426.5	406.1	373.2
45°	1570.2	1655.7	1701.7	1733.7	1701.7	1655.7	1570.2	1393.3	1190.4	967.2	743.2
42.5°	3155.4	3275.3	3366.4	3385.1	3366.4	3275.3	3155.4	3017.7	2860.1	2449.5	2072.3
40°	5755.1	5775.2	5441.3	4937.2	5441.3	5775.2	5755.1	5418.2	5134.1	4794.1	4203.2
37.5°	8166.5	9009.1	9988.1	10487.7	9988.1	9009.1	8166.5	7580.6	7089.0	6592.4	5980.0
35°	11720.8	12988.4	13399.6	13410.3	13399.6	12988.4	11720.8	10233.6	9131.3	8389.5	7695.0
32.5°	16282.1	17312.7	17863.0	17713.6	17863.0	17312.7	16282.1	14418.1	12351.2	10998.7	9985.7
30°	21290.7	22187.5	22194.6	21894.7	22194.6	22187.5	21290.7	19997.4	17778.0	15621.4	13554.0
27.5°	28734.2	30629.0	31962.5	32321.9	31962.5	30629.0	28734.2	26612.7	24563.0	21866.2	18901.3
25°	36990.5	39072.5	40352.7	40818.9	40352.7	39072.5	36990.5	34320.9	31358.3	28711.7	25739.1
22.5°	46297.0	48321.3	49245.2	49728.3	49245.2	48321.3	46297.0	43581.8	40664.5	36892.4	33161.9
20°	59305.4	62183.7	63268.7	63732.4	63268.7	62183.7	59305.4	55873.3	52272.8	47311.2	41757.5
17.5°	77324.5	83009.0	86563.3	88388.7	86563.3	83009.0	77324.5	71651.7	66192.1	59306.6	51524.5
15°	97303.0	103073.9	106869.1	109144.8	106869.1	103073.9	97303.0	90645.9	81650.9	71995.9	62476.8
12.5°	114442.1	119586.6	123252.2	125431.4	123252.2	119586.6	114442.1	106429.2	95995.0	83981.8	73103.6
10°	125437.3	129849.2	133652.2	135509.6	133652.2	129849.2	125437.3	118343.6	107167.5	95337.4	81758.9
7.5°	131651.6	136781.5	138843.0	140113.3	138843.0	136781.5	131651.6	125270.0	116130.6	103272.1	89453.4
5°	136467.7	140521.6	142424.7	143353.4	142424.7	140521.6	136467.7	130089.8	121846.5	110026.9	95467.5
2.5°	139682.7	143202.1	144547.9	145297.2	144547.9	143202.1	139682.7	133801.9	126342.6	115291.0	100351.6
0°	141225.7	143820.5	145329.2	144593.7	145329.2	143820.5	141225.7	136299.9	128311.6	118102.1	103982.6
-2.5°	141236.4	143702.9	144824.4	144278.5	144824.4	143702.9	141236.4	137326.5	129445.1	118833.8	104074.7
-5°	140028.1	141868.9	143234.8	142797.2	143234.8	141868.9	140028.1	136147.9	128725.6	117734.0	103472.5
-7.5°	136769.5	139215.9	140216.5	140265.2	140216.5	139215.9	136769.5	132942.7	126095.6	114219.3	99550.1
-10°	132286.8	134999.2	136064.4	136173.1	136064.4	134999.2	132286.8	127761.9	119865.6	108510.4	93686.9
-12.5°	125624.4	128806.2	130339.2	130612.4	130339.2	128806.2	125624.4	119951.1	111726.6	98780.9	86354.9
-15°	115281.8	119570.4	121991.1	122840.5	121991.1	119570.4	115281.8	109071.1	99497.7	88908.5	77549.0
-17.5°	101221.5	106345.6	109364.0	110428.5	109364.0	106345.6	101221.5	94146.6	86710.6	78398.3	69289.2
-20°	86555.4	90354.1	92681.0	93639.9	92681.0	90354.1	86555.4	80751.1	74845.4	68079.6	61466.7



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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°	73215.1	76277.8	78006.8	78774.7	78006.8	76277.8	73215.1	68735.0	63874.8	59193.3	53892.7
-25°	61644.9	64224.5	65111.2	65611.1	65111.2	64224.5	61644.9	58585.4	54806.1	51130.0	47018.6
-27.5°	52191.4	54237.7	54715.2	55156.6	54715.2	54237.7	52191.4	50012.5	47017.1	43984.5	40555.7
-30°	44225.5	46006.3	46249.7	46738.3	46249.7	46006.3	44225.5	42418.6	39965.2	37203.7	33957.8
-32.5°	36775.9	38361.6	38969.0	39062.4	38969.0	38361.6	36775.9	34933.8	32665.0	30333.9	28063.7
-35°	29642.4	30687.4	31100.9	31126.1	31100.9	30687.4	29642.4	28290.1	26577.2	24770.0	23058.6
-37.5°	24033.6	24699.9	25178.8	25046.9	25178.8	24699.9	24033.6	23115.9	21636.6	20193.1	18617.9
-40°	19277.3	19947.5	20385.2	20278.7	20385.2	19947.5	19277.3	18514.1	17152.1	15768.4	14090.3
-42.5°	14363.4	15100.5	15514.3	15399.8	15514.3	15100.5	14363.4	13589.3	12186.1	10627.1	9053.2
-45°	8907.8	9557.6	9862.4	9676.8	9862.4	9557.6	8907.8	8261.9	7128.9	5775.2	4522.6
-47.5°	4647.2	4795.1	4842.4	4776.2	4842.4	4795.1	4647.2	4509.6	4248.6	3906.7	3616.7
-50°	3767.9	3860.6	3900.6	3888.8	3900.6	3860.6	3767.9	3652.5	3504.6	3318.1	3161.0
-52.5°	3272.6	3315.5	3329.7	3321.2	3329.7	3315.5	3272.6	3211.9	3134.7	3027.1	2937.7
-55°	3047.5	3090.0	3104.7	3099.6	3104.7	3090.0	3047.5	2986.7	2914.7	2812.3	2715.9
-57.5°	2762.0	2814.2	2846.5	2863.2	2846.5	2814.2	2762.0	2693.4	2610.8	2493.4	2370.1
-60°	2324.4	2366.2	2378.2	2372.1	2378.2	2366.2	2324.4	2268.0	2197.9	2101.7	1993.6
-62.5°	1917.9	1952.3	1977.9	1995.2	1977.9	1952.3	1917.9	1872.1	1813.9	1737.1	1648.2
-65°	1554.9	1579.7	1584.9	1580.6	1584.9	1579.7	1554.9	1519.8	1472.1	1412.4	1342.5
-67.5°	1247.4	1265.8	1268.3	1264.3	1268.3	1265.8	1247.4	1221.8	1185.2	1140.1	1085.7
-70°	1011.4	1026.9	1029.0	1026.7	1029.0	1026.9	1011.4	991.0	960.7	925.4	884.1
-72.5°	838.9	850.2	858.8	865.7	858.8	850.2	838.9	824.0	798.4	770.8	740.3
-75°	719.1	727.2	729.3	729.8	729.3	727.2	719.1	708.3	686.8	664.1	639.1
-77.5°	625.1	633.3	639.1	644.1	639.1	633.3	625.1	615.5	597.4	578.6	559.1
-80°	554.7	560.9	565.6	569.9	565.6	560.9	554.7	547.5	531.4	515.2	499.7
-82.5°	502.2	508.7	512.6	516.2	512.6	508.7	502.2	495.2	482.0	468.5	454.8
-85°	452.6	457.6	461.3	464.8	461.3	457.6	452.6	447.3	435.1	422.9	411.1
-87.5°	408.6	413.3	415.7	418.0	415.7	413.3	408.6	403.8	393.2	382.7	372.6
-90°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.3	2.3	2.3	2.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	336.9	330.1	323.2	318.1	312.9	306.7	300.4	290.7	281.0	270.7	260.4
87.5°	4.5	4.5	4.5	4.5	4.6	5.1	5.5	5.6	5.7	6.3	6.9
85°	5.6	5.5	5.5	5.9	6.3	6.4	6.5	6.4	6.4	6.9	7.4
82.5°	5.7	5.7	5.7	6.3	6.9	6.9	6.9	7.1	7.3	7.6	8.1
80°	5.8	6.2	6.5	6.7	6.9	7.1	7.3	7.6	8.0	8.0	8.1
77.5°	5.8	6.4	7.0	7.2	7.4	7.8	8.1	8.0	8.1	8.5	8.7
75°	7.2	7.3	7.6	8.2	8.6	8.8	9.2	9.4	9.4	9.4	9.6
72.5°	12.0	11.5	11.1	11.2	10.9	10.8	11.0	11.2	11.2	10.8	10.5
70°	18.1	18.1	18.4	18.4	18.1	17.6	16.5	15.1	14.0	13.8	12.9
67.5°	24.6	24.4	25.4	27.3	26.8	25.8	24.1	22.3	20.6	19.2	16.5
65°	29.7	29.8	29.7	29.5	30.0	30.9	31.4	29.7	29.9	27.2	21.8
62.5°	29.0	30.2	28.5	27.5	28.9	31.9	36.8	39.3	41.6	39.1	32.7
60°	22.7	24.7	24.0	24.3	26.3	32.9	42.1	49.3	55.2	51.3	43.9
57.5°	15.2	15.7	17.4	20.8	24.4	35.2	47.2	58.1	65.9	61.2	54.9
55°	16.8	18.3	18.8	21.2	23.9	38.3	51.6	63.1	71.3	69.0	62.6
52.5°	36.7	41.5	41.1	36.5	39.3	49.3	57.2	70.2	77.3	77.2	71.7
50°	127.8	132.7	118.8	99.1	100.7	83.9	93.7	96.0	93.4	94.2	86.1
47.5°	349.6	325.1	293.3	268.9	239.4	206.2	205.8	167.9	163.0	131.5	125.9
45°	687.4	616.4	557.5	508.9	458.4	423.7	390.5	370.4	293.4	264.2	190.0
42.5°	1770.0	1228.7	925.9	795.1	685.0	634.2	597.7	573.0	538.4	447.3	374.9
40°	3535.6	2746.1	2027.4	1272.6	962.7	823.1	770.2	712.4	706.4	659.3	564.2
37.5°	5274.5	4461.5	3560.7	2622.3	1745.0	1109.6	983.3	896.6	832.7	815.3	746.7
35°	6886.6	6044.3	5209.8	4212.2	3071.6	2132.9	1293.7	1140.3	1017.3	945.2	904.1
32.5°	8692.2	7807.1	6754.1	5779.1	4756.8	3549.4	2452.6	1519.5	1247.7	1122.8	1026.1
30°	11575.6	10097.5	8680.8	7430.5	6407.8	5313.1	3936.6	2540.4	1608.8	1306.7	1155.3
27.5°	16112.5	13286.7	11401.3	9750.5	8386.4	7232.2	5841.9	3984.1	2217.2	1594.8	1324.3
25°	22322.2	19147.5	15925.4	13563.1	11583.8	9610.9	8138.5	5890.9	3626.6	1937.3	1512.9
22.5°	29704.1	25778.8	22144.8	18297.8	15309.9	12704.6	10290.9	7819.1	5097.7	2722.8	1833.4
20°	36245.8	31677.8	27561.4	23297.2	18989.8	15252.5	12108.0	9520.5	6681.4	3965.3	2144.7
17.5°	44363.1	38005.6	32904.2	28313.5	23193.5	18541.5	14559.2	11338.5	8160.4	5002.5	2400.0
15°	53331.0	45156.0	38320.4	32512.5	27147.7	21887.6	17237.5	13282.3	9811.9	6099.3	3153.1
12.5°	62964.9	53038.3	43873.3	36629.2	30250.3	24506.2	19058.2	14972.2	11345.3	7418.0	3982.7
10°	69444.3	59184.7	49332.5	41008.6	33588.7	26658.8	20614.8	16015.2	12341.9	8572.5	4794.8
7.5°	76209.4	64067.2	53366.4	44221.1	36495.5	29256.5	22154.4	16821.1	13108.4	9434.5	5425.8
5°	80258.9	67451.6	56320.8	46743.6	38582.8	31344.3	23976.1	17538.8	13741.8	10081.2	5908.1
2.5°	83450.4	69550.2	57928.7	48085.8	40008.7	32596.8	25482.5	18244.8	14082.5	10385.1	6042.2
0°	86227.9	71062.3	59204.1	49113.8	40905.7	33398.9	26249.5	18932.2	14185.7	10460.3	6018.7
-2.5°	86110.2	70562.9	58469.6	48608.0	40512.4	33143.9	26342.9	19816.1	14908.8	10523.8	6027.6
-5°	86198.4	70587.9	57991.1	48262.9	40162.3	32808.0	26070.7	20074.5	15289.4	10437.8	5890.7
-7.5°	83892.2	69332.7	57115.7	47540.3	39559.1	32191.1	25414.2	19749.6	15306.7	10442.7	5667.8
-10°	79352.0	66331.1	55035.8	46005.6	38365.4	31111.0	24452.2	19214.2	14892.4	10028.1	5285.1
-12.5°	74351.5	62744.8	52221.3	43695.6	36472.4	29537.6	23235.7	18448.8	14138.2	9250.5	4910.6
-15°	67769.6	58550.0	49779.9	41350.9	34088.9	27597.5	21839.0	17486.4	13181.1	8241.0	4328.9
-17.5°	61304.9	53403.5	45783.1	38605.5	31530.1	25473.4	20513.8	16219.3	11819.4	7087.9	3565.9
-20°	54998.1	48211.2	41608.3	34938.6	28651.8	23071.3	18848.3	14680.6	10117.0	5957.9	3442.0



REPORT NUMBER: P1306416 (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°	48837.6	43401.9	37525.2	31122.1	25648.1	20992.1	16885.3	12775.8	8172.2	4629.1	3277.2
-25°	42719.6	38208.2	32880.6	27964.3	22974.2	18695.5	14746.9	10418.2	6508.3	3848.9	3057.2
-27.5°	36589.3	32382.9	28557.7	24500.8	20507.0	16289.4	12120.8	7961.7	4659.6	3494.7	2935.3
-30°	30629.5	27409.2	24218.8	21002.5	17576.5	13586.9	9162.4	5841.7	3859.6	3159.6	2777.5
-32.5°	25452.3	22948.0	20311.1	17496.2	14138.9	10451.2	6760.2	4214.2	3400.9	2971.9	2680.9
-35°	20976.7	18705.9	16487.6	13555.9	10142.9	7081.4	4472.6	3641.2	3121.1	2790.9	2594.3
-37.5°	16808.0	14543.5	11992.6	9277.3	6506.3	4458.3	3764.1	3254.4	2884.0	2676.8	2478.7
-40°	12166.5	9833.4	7589.4	5305.8	4299.1	3716.4	3320.4	2987.6	2765.5	2549.5	2353.8
-42.5°	7392.6	5477.5	4378.5	3987.7	3591.2	3300.9	3029.1	2839.6	2635.4	2429.0	2166.7
-45°	4210.1	3877.4	3579.5	3412.4	3196.9	3030.8	2878.3	2688.6	2499.8	2232.4	1953.9
-47.5°	3435.9	3297.6	3166.8	3085.5	2984.0	2859.9	2697.3	2516.7	2258.5	1995.2	1761.6
-50°	3047.7	2997.8	2947.3	2888.9	2787.1	2663.3	2465.9	2236.4	2002.1	1786.4	1570.4
-52.5°	2859.9	2797.2	2734.3	2669.8	2537.4	2362.1	2166.8	1965.3	1762.1	1573.6	1384.4
-55°	2633.4	2535.9	2434.5	2323.1	2199.6	2048.0	1884.8	1704.7	1532.3	1360.2	1215.8
-57.5°	2261.7	2162.0	2076.7	1980.4	1873.4	1749.0	1617.2	1461.8	1316.0	1182.7	1057.3
-60°	1902.8	1810.6	1740.7	1662.3	1575.4	1471.9	1367.2	1247.1	1118.1	1011.6	909.2
-62.5°	1572.2	1494.7	1436.2	1377.1	1311.5	1235.0	1143.4	1051.7	948.9	851.9	780.1
-65°	1281.6	1221.6	1171.7	1129.0	1080.3	1026.4	950.0	880.1	805.6	732.0	669.0
-67.5°	1037.0	991.7	952.1	916.5	886.5	852.7	800.9	744.0	689.6	639.1	596.4
-70°	847.5	816.8	789.3	763.3	741.0	720.4	688.2	649.6	606.3	564.2	528.1
-72.5°	712.9	692.3	673.5	657.9	640.6	623.6	598.9	566.8	532.3	496.4	466.4
-75°	616.1	599.6	583.7	570.1	555.0	539.2	521.5	498.3	474.3	449.4	426.2
-77.5°	540.5	526.9	513.7	503.9	493.8	483.2	469.6	449.7	431.1	411.8	393.5
-80°	484.4	472.8	461.6	454.8	447.4	438.4	427.9	412.5	397.0	380.3	364.2
-82.5°	441.2	430.7	420.6	414.1	407.1	398.5	389.3	376.3	363.1	348.6	334.4
-85°	399.3	391.1	382.9	376.3	369.6	361.6	353.2	341.9	330.4	317.4	304.3
-87.5°	362.6	355.3	348.0	342.8	337.6	329.7	321.8	311.9	301.9	290.4	278.9
-90°	3.4	3.4	3.4	4.0	4.6	4.6	4.6	5.2	5.7	6.3	6.9



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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°	250.7	241.0	231.9	222.7	215.3	207.9	199.9	191.9	178.8	165.6	147.4
87.5°	7.3	7.6	8.1	8.6	8.6	8.6	9.1	9.6	9.8	9.9	10.4
85°	7.9	8.3	8.7	9.1	9.2	9.1	9.6	10.1	10.5	10.7	11.1
82.5°	8.6	9.0	9.0	9.2	9.9	10.3	10.4	10.6	11.1	11.5	11.8
80°	8.6	9.2	9.4	9.6	10.5	11.4	11.1	11.2	11.8	12.3	12.5
77.5°	9.1	9.5	9.9	10.3	10.8	11.5	11.6	11.8	12.6	13.1	13.2
75°	10.0	10.1	10.2	10.6	11.2	11.6	12.0	12.4	13.2	13.9	13.9
72.5°	10.8	10.8	10.5	10.9	11.8	12.3	12.6	13.0	13.7	14.4	14.6
70°	12.1	11.6	11.2	11.6	12.4	13.2	13.6	14.0	14.3	15.1	15.5
67.5°	13.7	13.0	12.3	12.6	13.2	14.3	14.7	15.3	15.6	15.8	16.4
65°	18.9	16.5	13.7	14.4	14.5	15.6	16.4	16.9	17.0	17.4	17.4
62.5°	26.5	22.3	19.9	17.5	17.2	18.6	18.4	19.7	18.8	19.1	18.9
60°	36.2	29.8	26.8	24.3	22.7	22.6	23.3	23.0	22.7	20.9	20.7
57.5°	45.2	36.7	35.8	32.4	31.4	29.6	29.9	29.2	27.5	25.7	22.6
55°	53.5	46.2	46.3	43.8	42.7	39.4	39.1	37.6	34.0	31.8	25.0
52.5°	62.0	59.4	58.6	59.4	58.5	52.4	51.9	47.0	44.3	38.7	31.4
50°	75.3	77.8	75.1	79.5	77.0	73.2	65.9	60.7	55.2	47.0	38.4
47.5°	109.3	111.2	102.7	106.0	102.0	96.5	86.7	76.1	66.8	57.7	45.6
45°	189.9	163.4	153.1	143.2	134.4	127.1	111.4	92.4	81.7	68.6	52.9
42.5°	300.5	264.3	235.7	186.4	182.8	162.6	139.1	116.9	97.1	79.9	61.7
40°	473.9	406.5	344.2	289.5	243.0	201.9	175.8	144.3	113.2	92.3	71.8
37.5°	658.4	573.0	491.1	407.2	322.9	265.6	216.5	173.1	132.3	106.8	82.1
35°	822.7	746.7	633.6	535.9	439.2	332.1	260.2	206.4	158.4	121.7	92.5
32.5°	963.8	891.0	767.9	659.3	533.5	400.4	315.2	244.3	184.9	137.0	103.4
30°	1077.2	994.3	891.1	757.4	612.0	477.5	372.6	281.5	211.9	152.6	115.0
27.5°	1187.8	1093.9	999.7	847.2	685.2	543.7	420.4	317.9	239.2	170.1	127.6
25°	1320.3	1197.9	1094.3	944.9	756.9	597.1	463.3	353.6	268.5	190.3	139.7
22.5°	1485.5	1300.2	1190.2	1047.7	838.7	649.8	505.1	391.4	293.7	209.4	151.3
20°	1629.8	1390.9	1282.0	1143.2	927.5	717.1	548.4	422.9	317.5	227.3	162.3
17.5°	1782.1	1485.9	1340.9	1211.0	1014.0	785.0	593.6	452.8	340.0	244.0	172.8
15°	1986.5	1588.4	1394.9	1269.6	1088.0	850.1	637.9	481.1	360.8	259.5	183.0
12.5°	2154.5	1684.0	1448.1	1315.5	1145.3	909.3	680.3	507.6	380.1	275.0	193.0
10°	2316.2	1786.0	1505.9	1359.0	1193.6	962.3	720.2	535.6	402.8	290.4	202.4
7.5°	2494.3	1882.1	1561.7	1400.4	1234.4	1006.5	761.3	569.1	424.8	304.7	211.1
5°	2638.3	1967.4	1619.2	1446.8	1273.6	1040.5	798.4	600.6	445.2	317.7	219.2
2.5°	2679.8	2038.8	1675.2	1490.4	1306.9	1067.1	830.9	629.6	463.6	329.2	226.5
0°	2690.7	2096.9	1725.7	1529.2	1333.9	1087.3	858.8	655.6	479.7	339.2	233.0
-2.5°	2747.7	2143.7	1770.8	1584.9	1382.2	1113.3	874.6	669.0	493.3	350.8	242.5
-5°	2779.4	2176.6	1810.8	1634.4	1421.8	1132.8	885.7	678.8	504.3	360.7	251.1
-7.5°	2797.2	2200.5	1847.1	1675.4	1451.0	1145.1	891.9	685.3	512.6	368.7	258.7
-10°	2788.6	2211.9	1878.3	1698.5	1464.7	1156.8	895.2	688.3	518.2	374.8	265.3
-12.5°	2801.3	2214.6	1903.2	1715.6	1469.6	1167.5	906.0	693.1	521.2	378.9	270.9
-15°	2801.8	2241.6	1943.3	1729.7	1466.8	1170.3	910.1	695.6	522.0	381.2	275.4
-17.5°	2738.1	2243.8	1980.4	1750.1	1458.5	1165.0	907.3	692.8	519.8	381.8	279.3
-20°	2719.5	2262.4	2001.6	1760.2	1440.2	1152.9	897.4	684.2	514.4	380.4	282.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2694.1	2303.1	2025.8	1738.0	1414.1	1134.2	883.1	670.5	505.9	377.0	284.8
-25°	2615.0	2329.2	2037.1	1712.4	1386.1	1113.5	866.0	658.5	494.2	371.6	286.1
-27.5°	2568.5	2316.7	2030.3	1669.9	1356.3	1084.1	848.1	649.7	486.3	364.3	286.2
-30°	2540.2	2278.5	1970.2	1614.9	1312.4	1048.9	825.4	636.0	480.0	361.2	285.4
-32.5°	2474.7	2232.6	1879.5	1552.3	1263.5	1007.5	797.6	617.0	470.4	360.9	284.7
-35°	2376.1	2117.6	1772.0	1473.2	1209.1	971.0	766.3	592.7	457.5	358.9	283.6
-37.5°	2261.3	1956.2	1674.1	1389.6	1139.1	925.9	734.4	570.7	441.3	355.0	281.9
-40°	2081.4	1798.5	1542.5	1301.2	1069.6	869.9	697.0	549.5	431.4	349.4	279.0
-42.5°	1893.8	1642.7	1412.5	1196.0	995.2	816.7	656.1	524.6	423.3	343.9	274.9
-45°	1715.0	1486.0	1281.1	1094.7	915.9	759.2	623.2	498.5	412.8	337.8	271.0
-47.5°	1535.3	1339.6	1156.9	988.2	846.5	701.9	583.3	483.9	400.2	330.3	267.7
-50°	1371.1	1196.7	1036.1	893.0	765.1	654.0	545.2	466.6	388.8	320.7	263.6
-52.5°	1215.2	1060.6	923.0	797.9	697.0	602.3	519.2	445.7	375.2	312.5	258.5
-55°	1067.9	933.8	814.4	716.1	630.6	562.5	490.6	424.8	359.7	304.5	252.9
-57.5°	934.3	812.4	724.7	642.6	576.9	522.3	462.6	401.9	347.4	295.4	250.0
-60°	806.3	721.6	643.9	584.0	531.0	483.2	434.3	380.1	335.4	286.3	246.0
-62.5°	705.1	635.9	583.4	532.5	486.8	445.8	406.0	362.7	321.5	280.4	241.2
-65°	622.1	573.8	525.8	484.8	444.6	410.7	383.3	344.2	310.7	273.8	235.6
-67.5°	554.3	514.4	474.8	437.7	409.5	384.6	358.8	329.9	300.4	266.4	228.8
-70°	493.2	457.7	429.0	404.7	381.3	359.2	341.0	316.9	289.4	257.4	221.5
-72.5°	443.0	419.4	395.7	373.8	357.5	340.9	324.1	303.2	276.9	247.7	213.5
-75°	405.0	386.5	368.8	352.3	337.4	322.3	306.9	288.7	264.0	237.3	204.2
-77.5°	377.3	361.2	345.5	330.4	316.7	302.9	289.3	273.7	250.1	225.0	194.1
-80°	349.7	335.3	321.3	307.7	295.5	283.2	270.4	256.2	234.3	211.9	183.4
-82.5°	321.7	308.9	296.4	283.7	272.4	260.9	249.6	237.5	218.0	198.4	173.4
-85°	292.9	281.5	270.1	258.6	248.6	238.4	229.7	220.3	204.1	187.6	165.0
-87.5°	269.1	259.2	249.5	239.7	231.5	223.2	214.8	206.2	191.5	176.8	156.3
-90°	6.9	6.9	7.5	8.0	8.0	8.0	8.6	9.1	9.1	9.1	9.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	129.1	106.8	84.5	60.5	36.5	24.5	12.6
87.5°	10.9	10.8	10.7	10.7	10.6	11.7	12.6
85°	11.5	11.3	11.1	11.0	10.9	12.0	12.6
82.5°	12.1	11.8	11.5	11.4	11.2	12.2	12.6
80°	12.7	12.3	11.9	11.8	11.5	12.5	12.6
77.5°	13.3	12.9	12.3	12.2	11.9	12.7	12.6
75°	13.9	13.6	12.8	12.6	12.2	13.0	12.6
72.5°	14.6	14.4	13.6	12.9	12.6	13.2	12.6
70°	15.3	15.2	14.4	13.4	12.9	13.5	12.6
67.5°	16.3	16.0	15.2	14.0	13.3	13.8	12.6
65°	17.4	16.9	16.0	14.7	13.7	14.1	12.6
62.5°	18.4	17.9	16.8	15.4	14.2	14.3	12.6
60°	19.5	18.8	17.7	16.0	14.6	14.6	12.6
57.5°	21.7	19.8	18.8	16.7	15.4	14.9	12.6
55°	24.2	20.8	20.1	17.3	16.1	15.2	12.6
52.5°	26.9	22.1	21.4	18.0	17.0	15.4	12.6
50°	29.9	25.3	22.8	18.6	17.8	15.7	12.6
47.5°	33.5	28.6	24.4	19.4	18.8	16.0	12.6
45°	39.8	32.1	26.0	20.7	19.7	16.3	12.6
42.5°	46.1	35.8	27.7	22.0	20.7	16.6	12.6
40°	52.9	39.6	30.1	23.9	21.8	16.9	12.6
37.5°	60.1	43.6	33.2	26.2	22.9	17.1	12.6
35°	67.5	48.8	36.2	28.5	24.0	17.4	12.6
32.5°	75.4	54.7	39.3	30.9	25.1	17.7	12.6
30°	84.6	60.5	42.4	33.3	26.3	18.0	12.6
27.5°	93.5	66.2	46.5	35.8	27.5	18.2	12.6
25°	102.3	71.8	50.8	38.3	28.7	18.5	12.6
22.5°	110.8	77.5	54.9	40.8	29.9	18.7	12.6
20°	119.1	83.7	59.0	43.3	31.2	19.0	12.6
17.5°	127.3	89.7	62.9	45.8	32.4	19.2	12.6
15°	135.2	95.4	66.8	48.2	33.6	19.5	12.6
12.5°	142.7	100.8	70.5	50.7	34.7	19.7	12.6
10°	149.7	105.9	74.1	53.0	35.9	19.9	12.6
7.5°	156.2	110.8	77.5	55.3	37.0	20.1	12.6
5°	162.2	115.3	80.8	57.6	38.1	20.3	12.6
2.5°	167.6	119.5	83.9	59.7	39.1	20.4	12.6
0°	172.5	123.3	86.8	61.7	40.0	20.6	12.6
-2.5°	179.9	128.9	90.8	64.4	41.7	21.4	12.6
-5°	186.6	134.2	94.6	67.0	43.3	22.2	12.6
-7.5°	192.7	139.1	98.2	69.4	44.9	22.9	12.6
-10°	198.1	143.5	101.6	71.7	46.3	23.6	12.6
-12.5°	202.8	147.4	104.7	73.9	47.7	24.3	12.6
-15°	206.8	150.9	107.5	75.8	49.0	25.0	12.6
-17.5°	210.0	153.8	110.0	77.7	50.1	25.6	12.6
-20°	212.9	156.2	112.2	79.3	51.2	26.2	12.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	215.8	158.1	114.1	80.8	52.1	26.8	12.6
-25°	217.9	160.3	115.7	82.0	53.0	27.3	12.6
-27.5°	219.2	162.4	117.0	83.1	53.7	27.8	12.6
-30°	219.6	163.9	118.0	84.0	54.3	28.2	12.6
-32.5°	219.1	165.0	120.0	84.7	54.8	28.6	12.6
-35°	219.2	165.5	121.7	85.2	55.2	29.0	12.6
-37.5°	219.1	166.0	123.0	85.6	55.4	29.3	12.6
-40°	218.4	167.2	124.0	85.7	55.6	29.5	12.6
-42.5°	217.2	168.1	124.9	85.9	55.6	29.7	12.6
-45°	215.3	168.5	125.6	86.4	55.5	29.9	12.6
-47.5°	212.7	168.5	125.8	86.6	55.2	30.0	12.6
-50°	211.7	168.1	125.6	86.6	54.9	30.0	12.6
-52.5°	210.6	167.2	125.1	86.5	54.4	30.0	12.6
-55°	208.8	165.7	124.1	86.1	53.8	29.9	12.6
-57.5°	206.6	163.7	122.7	85.5	53.0	29.8	12.6
-60°	203.7	161.2	120.9	84.6	52.2	29.7	12.6
-62.5°	199.9	158.3	119.2	83.5	51.5	29.5	12.6
-65°	195.5	154.9	117.2	82.1	50.7	29.2	12.6
-67.5°	190.6	151.2	114.8	80.6	49.7	28.9	12.6
-70°	185.1	147.1	112.1	78.8	48.6	28.6	12.6
-72.5°	178.7	142.6	109.2	77.1	47.4	28.2	12.6
-75°	171.5	137.6	105.9	75.2	46.1	27.8	12.6
-77.5°	163.8	132.1	102.8	73.2	44.7	27.3	12.6
-80°	155.5	127.2	99.6	71.0	43.2	26.8	12.6
-82.5°	149.2	122.5	96.1	68.6	41.6	26.3	12.6
-85°	142.8	117.5	92.5	66.0	40.0	25.7	12.6
-87.5°	136.1	112.3	88.6	63.3	38.3	25.2	12.6
-90°	10.3	10.3	10.3	10.3	10.3	11.5	12.6

(END OF REPORT)