

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: P1306353 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-50-80-2S-CV1-A**

Issue Date: 2/3/2026

Test Information

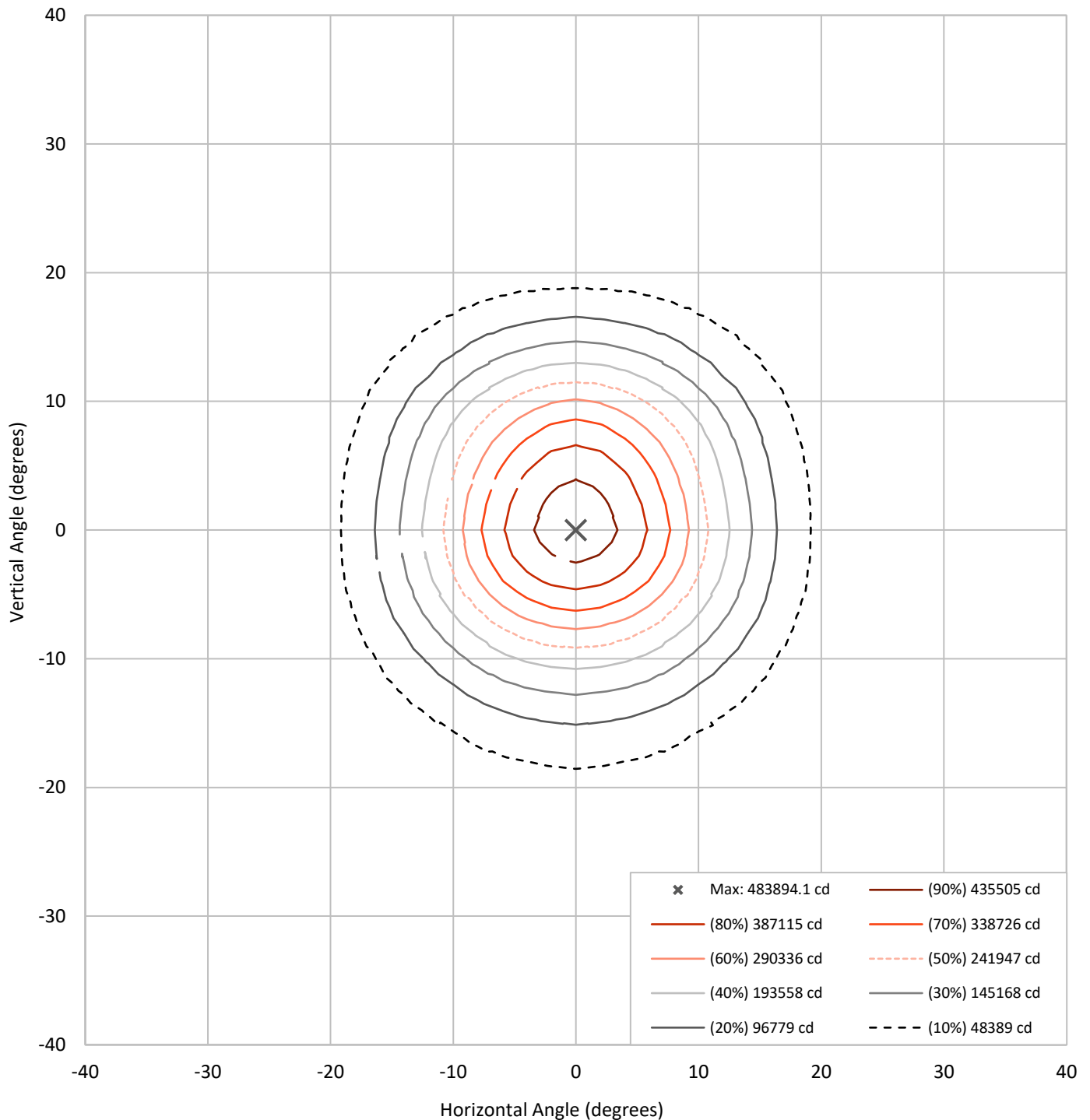
Test Method: LM-79-08
Report Number: P1306353 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-50-80-2S-CV1-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	78246.1 lumens	Max Intensity:	483894.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	36334 lumens	Field Lumens:	66147.5 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%
Input Watts (W):	711		
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





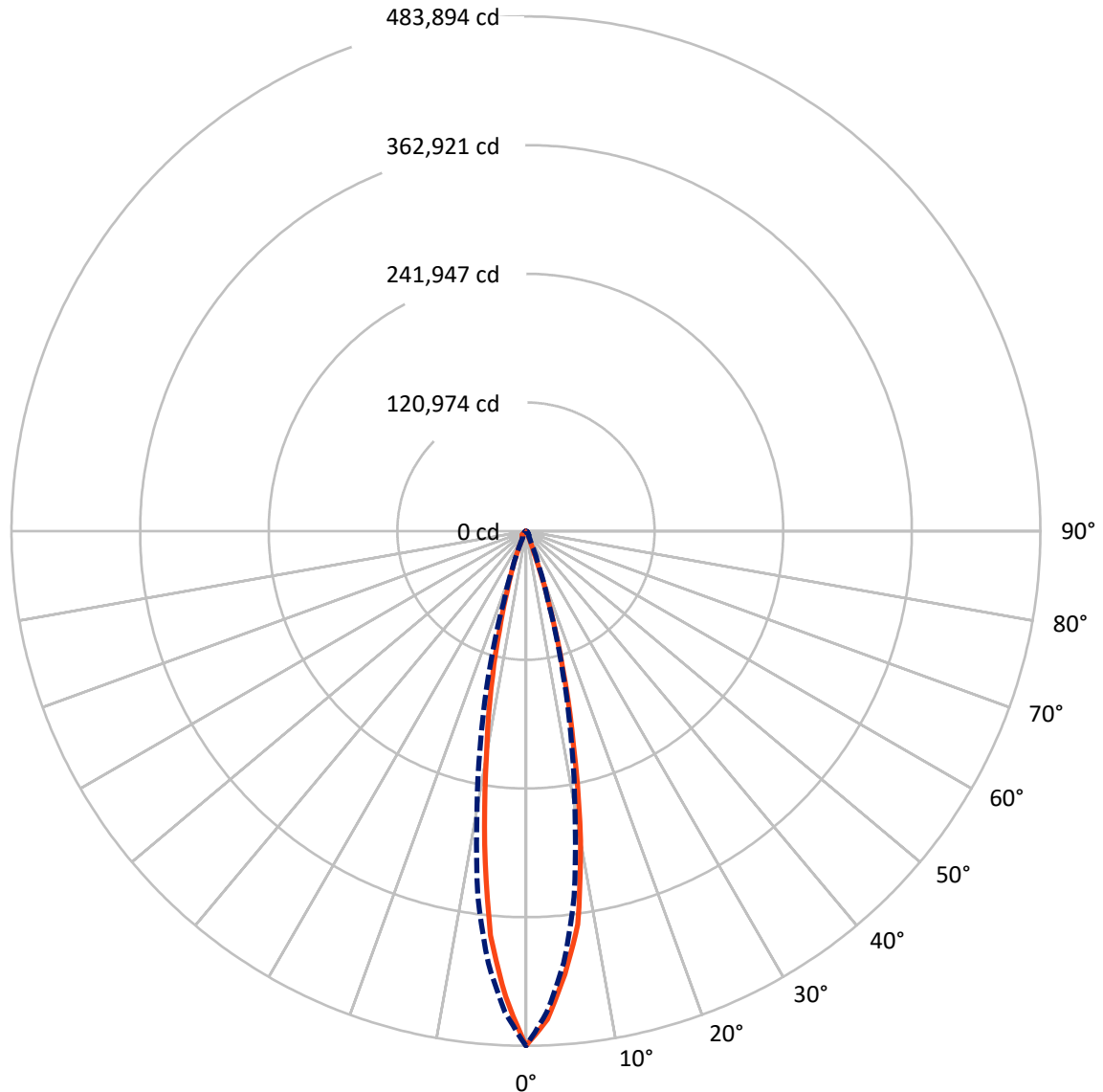
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Lumen Table

90	0.1	0.3		0.5		0.5		0.5		0.5		0.3		0.1					
80	0.1	0.3		0.5		0.5		0.5		0.5		0.3		0.1					
70	0.1	0.1	0.2	0.7	0.7	0.4	0.3	0.2	0.2	0.3	0.4	0.7	0.7	0.2	0.1				
60		0.1	0.4	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.4	0.1				
50	0.2	0.2	0.4	0.4	0.6	1.0	1.8	1.2	1.2	1.8	1.0	0.6	0.4	0.4	0.2				
40		0.3	1.0	2.7	5.2	7.5	10.4	12.6	12.6	10.4	7.5	5.2	2.7	1.0	0.3				
30	0.3	0.6	5.0	15.8	37.4	56.8	98.3	186.3	186.3	98.3	56.8	37.4	15.8	5.0	0.6				
20		1.4	10.5	41.8	95.8	179.2	1170.6	3627.6	3627.6	1170.6	179.2	95.8	41.8	10.5	1.4				
10	0.4	2.3	13.6	56.2	113.9	359.1	3440.7	10312.1	10312.1	3440.7	359.1	113.9	56.2	13.6	2.3				
0		2.8	14.6	56.3	113.6	342.3	3236.1	9378.6	9378.6	3236.1	342.3	113.6	56.3	14.6	2.8				
-10	0.6	3.3	14.0	45.0	96.0	166.5	951.9	2756.5	2756.5	951.9	166.5	96.0	45.0	14.0	3.3				
-20		3.4	13.1	32.0	86.1	128.5	195.2	377.3	377.3	195.2	128.5	86.1	32.0	13.1	3.4				
-30	0.5	3.0	11.3	24.0	60.0	124.7	162.0	181.1	181.1	162.0	124.7	60.0	24.0	11.3	3.0				
-40		2.1	8.5	19.7	35.5	60.1	102.8	137.0	137.0	102.8	60.1	35.5	19.7	8.5	2.1				
-50	0.3	1.0	5.0	13.1	25.3	38.3	49.8	56.4	56.4	49.8	38.3	25.3	13.1	5.0	1.0				
-60		0.4	1.7	5.3	11.1	17.8	24.5	28.4	28.4	24.5	17.8	11.1	5.3	1.7	0.4				
-70	0.2	1.3		3.8		8.8		11.8		8.8		3.8		1.3					
-80		1.3		3.8		8.8		11.8		8.8		3.8		1.3					
-90	0.2	1.3		3.8		8.8		11.8		8.8		3.8		1.3	0.2				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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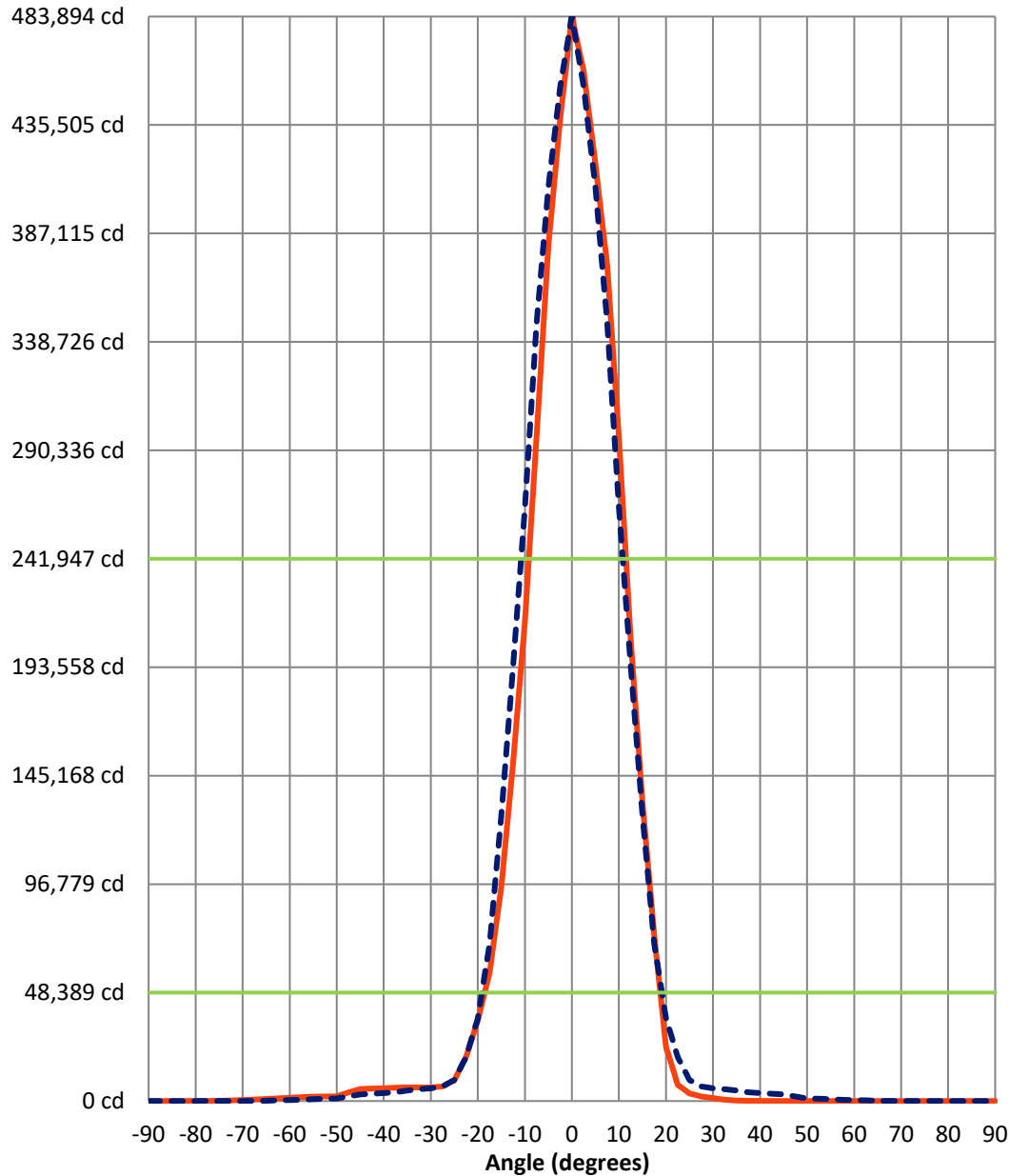
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.6°
 V Angle: 20.7°
 Lumens: 36334
 Efficiency: 46.4%

Field:
 H Angle: 38.3°
 V Angle: 37.3°
 Lumens: 66147.5
 Efficiency: 84.5%

Spill:
 Lumens: 12098.6
 Efficiency: 15.5%

— 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°	5.7	6.7	7.7	8.2	8.7	9.1	9.6	10.1	10.6	11.0	11.5
87.5°	5.7	5.7	5.7	5.3	4.9	4.6	4.3	4.2	4.1	4.0	3.8
85°	5.7	5.8	5.7	5.4	5.1	4.9	4.8	4.7	4.5	4.2	3.8
82.5°	5.7	5.8	5.7	5.4	5.3	5.2	5.3	5.1	4.8	4.5	4.3
80°	5.7	5.9	5.7	5.5	5.4	5.5	5.7	5.4	5.1	5.0	5.1
77.5°	5.7	5.9	5.7	5.5	5.6	5.7	5.7	5.5	5.4	5.6	5.7
75°	5.7	6.0	5.7	5.6	5.7	5.9	5.8	5.6	5.7	5.7	5.7
72.5°	5.7	6.0	5.8	5.7	5.9	6.0	5.8	5.7	5.7	5.7	5.7
70°	5.7	6.1	5.8	5.7	6.1	6.2	5.9	5.7	5.7	5.7	5.8
67.5°	5.7	6.1	5.8	5.9	6.3	6.3	5.9	5.7	5.7	6.0	5.9
65°	5.7	6.2	5.9	6.1	6.5	6.4	6.0	5.7	6.1	6.3	6.1
62.5°	5.7	6.2	5.9	6.3	6.7	6.5	6.0	6.1	6.6	6.7	6.2
60°	5.7	6.3	6.0	6.5	7.0	6.5	6.1	6.6	7.1	6.8	6.3
57.5°	5.7	6.3	6.1	6.8	7.0	6.6	6.5	7.2	7.3	6.8	6.9
55°	5.7	6.4	6.3	7.0	7.1	6.6	7.0	7.7	7.4	7.1	7.7
52.5°	5.7	6.4	6.5	7.2	7.1	6.8	7.5	7.9	7.5	7.8	8.5
50°	5.7	6.5	6.6	7.4	7.2	7.2	8.0	8.0	7.7	8.5	10.4
47.5°	5.7	6.6	6.7	7.6	7.2	7.5	8.4	8.1	8.3	9.2	12.2
45°	5.7	6.6	6.9	7.6	7.3	7.9	8.5	8.2	9.0	10.6	13.8
42.5°	5.7	6.7	7.0	7.7	7.3	8.3	8.6	8.6	9.7	11.7	15.9
40°	5.7	6.7	7.1	7.7	7.5	8.7	8.7	9.2	10.6	12.7	18.0
37.5°	5.7	6.8	7.2	7.8	7.8	9.0	8.8	9.9	11.7	14.3	20.0
35°	5.7	6.9	7.3	7.8	8.1	9.2	8.9	10.6	12.7	16.6	21.7
32.5°	5.7	6.9	7.4	7.9	8.3	9.3	9.1	11.3	13.8	18.9	24.0
30°	5.7	7.0	7.4	8.0	8.6	9.3	9.7	12.0	14.8	21.3	26.5
27.5°	5.7	7.1	7.5	8.1	8.8	9.4	10.3	12.9	16.1	23.7	29.2
25°	5.7	7.1	7.5	8.2	9.0	9.5	10.8	13.7	18.0	26.0	32.1
22.5°	5.7	7.2	7.6	8.3	9.1	9.6	11.4	14.4	19.9	28.2	37.4
20°	5.7	7.3	7.6	8.5	9.3	9.8	11.9	15.1	21.7	30.6	43.2
17.5°	5.7	7.3	7.6	8.6	9.4	9.9	12.5	15.8	23.5	32.9	49.7
15°	5.7	7.4	7.7	8.7	9.5	10.1	13.0	16.4	25.2	35.2	56.4
12.5°	5.7	7.4	7.7	8.9	9.5	10.4	13.5	17.0	26.6	37.5	63.4
10°	5.7	7.5	7.7	9.0	9.6	10.6	13.9	17.5	27.8	40.3	70.6
7.5°	5.7	7.6	7.7	9.2	9.6	10.8	14.3	18.0	28.8	43.4	77.7
5°	5.7	7.6	7.7	9.3	9.6	11.1	14.7	18.5	29.6	46.3	84.4
2.5°	5.7	7.7	7.7	9.5	9.6	11.3	15.0	18.9	30.2	49.1	90.5
0°	5.7	7.7	7.7	9.6	9.6	11.5	15.3	19.2	30.7	51.7	95.8
-2.5°	5.7	7.7	7.8	9.7	9.9	12.1	16.8	23.7	40.0	68.1	119.4
-5°	5.7	7.8	7.9	9.8	10.3	12.7	18.3	28.0	48.9	83.8	141.7
-7.5°	5.7	7.8	7.9	9.9	10.6	13.3	19.6	32.0	57.1	98.4	162.4
-10°	5.7	7.8	8.0	10.0	10.9	13.8	20.8	35.6	64.5	111.5	181.0
-12.5°	5.7	7.9	8.1	10.1	11.2	14.3	21.8	38.6	70.9	122.8	196.9
-15°	5.7	7.9	8.2	10.1	11.4	14.7	22.7	41.1	77.1	132.5	209.8
-17.5°	5.7	7.9	8.3	10.2	11.7	15.1	23.3	43.9	83.3	140.5	219.5
-20°	5.7	7.9	8.4	10.2	11.9	15.4	24.0	46.7	88.0	146.8	225.9



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 CATALOG NUMBER: EPH-08-680N-50-80-2S-CV1-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.7	7.9	8.4	10.3	12.1	15.6	24.9	48.4	91.0	151.3	228.5
-25°	5.7	7.9	8.5	10.3	12.2	15.8	25.3	48.8	92.1	153.8	227.3
-27.5°	5.7	7.9	8.6	10.3	12.3	16.0	25.1	48.0	91.3	154.6	229.0
-30°	5.7	7.9	8.7	10.3	12.4	16.1	24.4	45.7	89.9	153.5	228.5
-32.5°	5.7	7.9	8.7	10.2	12.5	16.1	22.9	44.3	87.3	149.7	225.4
-35°	5.7	7.9	8.8	10.2	12.7	16.0	22.3	42.7	82.7	143.1	219.8
-37.5°	5.7	7.9	8.9	10.2	12.7	15.9	22.1	40.0	75.9	133.6	206.2
-40°	5.7	7.9	8.9	10.1	12.8	15.9	21.8	36.3	67.1	123.5	189.4
-42.5°	5.7	7.8	9.0	10.0	12.8	15.9	21.2	31.7	60.2	109.4	169.9
-45°	5.7	7.8	9.0	10.0	12.7	15.9	20.5	28.1	53.7	93.3	148.3
-47.5°	5.7	7.8	9.1	10.0	12.6	15.8	19.5	27.0	45.8	75.6	128.0
-50°	5.7	7.7	9.2	10.0	12.5	15.6	19.2	25.7	36.4	64.7	105.6
-52.5°	5.7	7.7	9.2	10.1	12.4	15.4	18.9	24.1	31.9	52.8	82.4
-55°	5.7	7.6	9.3	10.1	12.2	15.1	18.6	22.4	29.6	40.0	67.6
-57.5°	5.7	7.6	9.3	10.2	11.9	14.8	18.1	21.8	27.0	34.6	51.8
-60°	5.7	7.5	9.3	10.2	11.7	14.4	17.6	21.1	24.7	31.3	39.2
-62.5°	5.7	7.5	9.2	10.2	11.6	14.0	17.0	20.3	23.6	27.8	35.0
-65°	5.7	7.4	9.1	10.1	11.4	13.5	16.4	19.4	22.5	25.9	30.5
-67.5°	5.7	7.4	9.0	10.1	11.3	13.1	15.7	18.4	21.3	24.4	27.9
-70°	5.7	7.3	8.9	10.0	11.0	12.7	14.9	17.4	20.0	22.8	25.9
-72.5°	5.7	7.2	8.8	9.8	10.8	12.2	14.2	16.3	18.6	21.1	23.9
-75°	5.7	7.2	8.6	9.6	10.5	11.7	13.3	15.2	17.2	19.4	21.8
-77.5°	5.7	7.1	8.5	9.4	10.2	11.2	12.5	14.2	15.9	17.7	19.6
-80°	5.7	7.0	8.3	9.1	9.9	10.7	11.6	13.1	14.7	16.3	17.8
-82.5°	5.7	6.9	8.2	8.9	9.6	10.3	11.0	12.2	13.4	14.8	16.3
-85°	5.7	6.9	8.0	8.7	9.3	9.9	10.6	11.5	12.5	13.5	14.7
-87.5°	5.7	6.8	7.9	8.4	9.0	9.5	10.1	10.8	11.5	12.3	13.1
-90°	5.7	5.7	5.7	5.2	4.8	4.3	3.8	3.8	3.8	3.8	3.8



REPORT NUMBER: P1306353 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-50-80-2S-CV1-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.5	11.5	11.5	11.5	12.0	12.5	12.9	13.4	13.9	14.4	14.8
87.5°	3.5	3.3	3.1	3.0	2.8	2.5	2.2	1.9	1.9	1.9	1.9
85°	3.8	3.8	3.8	3.8	3.3	2.9	2.4	1.9	1.9	1.9	1.9
82.5°	4.4	4.3	4.1	3.8	3.4	2.9	2.5	2.2	2.2	2.2	2.1
80°	5.1	4.8	4.4	3.9	3.6	3.4	3.4	3.5	3.3	3.0	2.8
77.5°	5.3	4.9	4.4	3.9	3.9	4.2	4.5	4.8	4.7	4.5	4.3
75°	5.4	4.9	4.7	4.7	5.0	5.4	5.7	5.7	5.5	5.4	5.4
72.5°	5.5	5.3	5.4	5.7	5.7	5.7	5.7	5.7	7.3	9.4	10.9
70°	5.6	5.7	5.7	5.7	5.7	6.3	8.9	12.8	16.7	18.8	20.7
67.5°	5.7	5.7	5.7	6.0	7.3	10.3	14.6	22.9	31.7	33.8	33.5
65°	5.7	5.7	6.4	7.8	9.4	16.5	25.5	35.9	43.6	42.4	39.6
62.5°	5.7	6.5	7.8	10.7	16.3	24.8	33.0	40.4	47.7	46.4	40.0
60°	6.5	7.5	10.7	16.4	22.6	28.8	36.5	41.3	46.1	47.3	36.1
57.5°	7.4	9.8	15.1	21.0	26.3	30.8	33.7	37.9	39.5	38.4	28.2
55°	9.0	12.9	18.7	24.3	28.1	26.9	28.7	30.0	29.5	27.3	20.0
52.5°	11.7	15.9	21.6	26.3	26.8	24.2	22.7	22.9	21.1	18.0	15.6
50°	14.1	18.9	24.2	26.8	25.6	21.7	18.1	17.5	16.3	14.8	13.4
47.5°	16.6	21.8	26.0	27.3	23.7	20.3	16.7	15.5	14.7	15.1	14.3
45°	19.2	24.1	28.2	25.9	22.6	19.9	18.4	15.2	17.2	18.4	19.0
42.5°	21.6	26.0	27.8	24.7	22.9	22.8	22.5	21.8	22.9	27.6	30.3
40°	23.4	27.8	27.7	27.1	25.1	28.8	32.4	35.2	35.4	41.6	46.5
37.5°	25.0	28.6	30.2	34.0	32.2	39.1	45.1	69.1	70.1	57.9	78.5
35°	26.5	30.0	39.7	50.6	54.9	53.4	87.2	118.7	126.5	113.8	135.0
32.5°	28.1	32.2	52.6	78.1	101.2	102.8	141.5	191.7	218.0	226.9	238.6
30°	31.1	44.2	72.6	112.8	168.3	213.7	232.2	286.1	334.8	432.2	500.4
27.5°	36.6	59.9	105.9	174.8	259.9	345.7	375.2	412.7	540.2	712.9	883.6
25°	43.4	93.0	143.9	256.8	387.1	482.3	519.8	570.2	811.2	1144.8	1341.1
22.5°	60.7	135.6	201.3	351.4	528.0	615.3	664.2	845.7	1214.4	1657.5	1856.4
20°	91.9	186.3	271.1	430.4	669.6	747.4	802.2	1180.0	1716.5	2137.5	2449.4
17.5°	127.8	237.1	340.6	513.6	730.9	848.0	962.6	1548.9	2242.8	2612.9	2980.1
15°	167.4	287.6	400.8	587.7	786.4	908.3	1209.2	1966.3	2718.5	3079.6	3446.0
12.5°	209.3	337.5	452.5	652.7	841.2	964.5	1433.3	2264.0	2972.7	3447.7	3887.3
10°	252.2	386.0	496.6	708.9	894.3	1016.5	1642.9	2517.0	3107.4	3530.0	4028.1
7.5°	281.1	417.8	530.9	756.4	944.7	1064.3	1832.8	2725.7	3198.9	3571.3	4013.9
5°	304.0	429.7	544.1	790.3	986.2	1102.1	1982.4	2890.6	3254.5	3577.7	3939.7
2.5°	322.2	437.8	554.3	816.6	1019.3	1126.1	2032.0	2941.4	3265.5	3577.5	3904.1
0°	335.3	442.6	561.4	835.4	1046.2	1145.8	2042.5	2952.6	3257.3	3569.6	3918.3
-2.5°	347.2	456.2	583.4	851.4	1047.4	1148.0	2032.4	2939.5	3294.1	3656.1	4072.5
-5°	354.4	467.1	601.5	859.6	1043.3	1146.7	1986.2	2887.2	3290.3	3657.6	4098.0
-7.5°	357.9	475.4	614.9	858.6	1028.9	1131.1	1863.4	2719.5	3160.9	3506.9	3968.7
-10°	359.1	485.6	623.6	840.4	1002.0	1105.0	1704.9	2520.5	3018.0	3342.1	3790.1
-12.5°	362.4	497.2	629.2	819.8	975.3	1075.3	1525.7	2294.4	2863.0	3165.3	3586.2
-15°	362.2	506.2	632.0	798.6	950.4	1042.2	1330.0	2044.9	2747.7	3131.7	3475.6
-17.5°	358.8	512.5	632.3	778.3	928.9	1005.5	1128.6	1824.5	2652.3	3117.8	3451.6
-20°	352.6	516.1	630.3	760.3	909.0	990.0	1090.3	1611.0	2398.7	3068.7	3442.1



REPORT NUMBER: P1306353 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	343.7	517.2	628.2	751.1	893.3	995.0	1081.0	1377.0	2063.7	2987.2	3377.9
-25°	338.9	502.0	625.6	740.4	876.6	1001.0	1071.3	1161.2	1732.8	2577.2	3227.6
-27.5°	336.3	484.5	611.3	722.7	855.3	999.4	1072.2	1148.3	1452.8	2109.1	2995.2
-30°	328.4	455.6	592.0	699.5	830.2	971.2	1079.2	1138.9	1224.3	1733.4	2456.5
-32.5°	312.0	425.3	560.2	674.3	797.3	938.3	1071.9	1138.6	1211.6	1362.6	1946.1
-35°	294.6	401.5	523.7	643.1	756.9	893.8	1024.4	1136.2	1199.3	1277.4	1538.3
-37.5°	280.9	374.7	486.4	604.8	717.2	840.2	971.8	1095.3	1189.8	1268.6	1367.9
-40°	263.6	345.0	452.3	563.3	673.2	787.0	910.1	1034.4	1153.6	1273.1	1363.7
-42.5°	242.8	322.0	416.7	521.0	626.4	735.7	845.6	965.5	1104.6	1255.1	1371.4
-45°	218.0	295.1	379.5	476.1	575.1	680.2	786.6	894.8	1041.5	1196.2	1341.9
-47.5°	190.2	264.1	344.6	427.8	521.3	619.2	722.8	836.0	964.7	1112.4	1271.2
-50°	160.7	229.4	304.5	381.7	465.1	555.6	651.3	765.8	886.8	1016.2	1159.6
-52.5°	133.0	191.2	260.7	334.4	410.0	491.1	580.8	683.2	796.7	917.1	1037.6
-55°	103.0	155.4	213.4	282.4	354.9	427.9	506.3	597.2	695.8	805.6	913.6
-57.5°	79.9	118.2	168.2	225.8	293.4	364.1	433.6	507.4	593.7	687.4	778.4
-60°	60.5	86.8	123.7	172.4	226.6	290.2	356.9	424.1	493.7	563.3	640.9
-62.5°	42.8	63.1	87.6	119.8	166.2	213.5	269.2	331.1	396.7	456.4	513.6
-65°	37.5	43.5	60.1	82.9	106.7	145.9	188.1	231.3	285.5	339.0	393.6
-67.5°	31.9	37.4	42.8	51.4	71.9	92.4	112.8	149.6	187.2	221.4	257.8
-70°	28.9	31.6	36.1	40.9	45.6	54.1	71.9	89.6	106.8	127.1	156.0
-72.5°	26.3	28.6	31.1	33.8	37.9	42.0	46.1	50.0	60.2	74.2	87.4
-75°	23.8	25.5	27.5	29.7	32.1	34.6	37.4	40.8	44.1	47.2	50.4
-77.5°	21.2	22.8	24.3	25.8	27.4	29.3	31.4	33.5	35.4	37.2	39.1
-80°	18.9	20.0	21.4	22.7	23.7	24.8	26.0	27.3	28.3	29.3	30.5
-82.5°	17.0	17.7	18.5	19.4	20.1	20.7	21.3	22.0	23.0	24.0	24.8
-85°	15.0	15.3	15.7	16.1	16.9	17.6	18.2	18.8	19.3	19.8	20.3
-87.5°	13.3	13.4	13.5	13.7	14.3	14.9	15.5	16.1	16.3	16.5	16.7
-90°	3.3	2.9	2.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	15.3	15.3	15.3	15.3	15.3	15.8	16.3	16.7	17.2	17.2	17.2
87.5°	1.9	1.8	1.8	1.7	1.7	1.3	0.9	0.5	0.0	0.0	0.0
85°	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	2.5	2.5	2.4	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	4.1	3.8	3.3	2.7	2.1	1.9	1.9	1.9	1.9	1.9	1.9
75°	5.5	5.4	5.2	4.7	3.9	3.7	3.8	3.7	3.5	3.5	3.6
72.5°	11.6	11.5	10.8	10.0	8.6	7.9	7.8	7.4	7.0	6.7	6.5
70°	21.2	20.5	19.3	17.1	14.3	12.3	11.2	9.9	8.3	7.6	7.6
67.5°	30.5	27.4	24.7	21.8	17.9	14.7	12.9	11.3	9.7	9.0	8.6
65°	35.3	28.2	23.5	19.8	17.0	14.3	12.4	10.6	9.0	8.1	7.9
62.5°	32.4	23.5	18.5	15.5	13.0	11.3	9.9	8.6	7.2	6.4	6.7
60°	26.4	18.1	13.9	12.2	10.8	9.7	8.4	7.3	6.3	5.8	6.4
57.5°	20.2	14.5	11.4	10.6	9.6	8.3	7.4	7.1	7.0	7.0	7.4
55°	15.1	12.8	11.5	10.2	9.0	8.1	7.8	8.0	8.0	7.7	7.7
52.5°	12.9	11.8	10.5	9.3	9.1	9.2	9.5	9.1	8.9	8.9	9.1
50°	12.6	11.5	10.6	9.6	9.9	10.0	9.7	10.0	10.6	10.8	10.9
47.5°	13.6	12.8	13.5	11.4	11.8	13.3	13.3	13.5	15.3	16.1	16.3
45°	17.8	21.8	21.8	20.1	19.4	28.0	28.6	23.9	38.9	37.4	26.3
42.5°	33.1	35.1	35.2	44.0	59.5	67.8	90.0	125.2	117.3	91.1	55.1
40°	54.7	52.0	63.4	81.4	99.4	120.8	151.1	210.9	200.8	160.7	176.6
37.5°	94.4	94.4	99.9	124.9	131.8	113.5	161.3	155.8	124.1	174.6	184.8
35°	172.6	189.9	161.2	199.9	205.1	188.7	197.8	218.7	189.1	226.3	242.3
32.5°	309.9	342.0	346.2	355.6	384.1	406.1	399.9	451.0	453.5	501.7	567.7
30°	495.4	561.8	630.6	641.3	676.9	734.6	763.7	866.5	975.4	1046.7	1177.7
27.5°	870.8	887.2	1025.6	1134.6	1091.2	1177.7	1394.0	1519.4	1727.6	1851.6	1983.4
25°	1398.7	1443.9	1638.8	1839.7	1866.4	1945.4	2259.7	2439.1	2653.6	2778.9	3050.7
22.5°	2068.4	2263.2	2477.9	2742.0	2850.4	3035.9	3341.5	3604.6	4051.5	4604.3	5795.7
20°	2814.7	3107.3	3395.8	3627.9	3851.4	4146.4	4518.2	5787.9	7292.4	11825.2	14952.8
17.5°	3453.2	3932.5	4208.3	4432.9	4713.4	5282.7	6758.5	10500.0	17715.2	27807.1	37044.8
15°	3949.8	4397.3	4840.8	5122.4	5560.7	6820.9	9823.6	18999.6	33950.5	50986.4	71601.6
12.5°	4343.4	4715.0	5087.5	5501.9	6311.9	8767.8	16407.3	30578.1	52319.2	79856.9	116403.9
10°	4556.0	4927.9	5287.3	5877.2	7376.5	11848.5	22555.1	41242.9	75365.6	118373.2	164949.8
7.5°	4554.5	5007.8	5452.3	6171.9	8461.7	15529.9	29797.0	55085.4	95446.6	149365.9	209329.0
5°	4552.0	5100.6	5566.2	6378.3	9140.4	18042.2	34292.1	62751.4	111797.5	172645.6	236851.3
2.5°	4596.2	5199.9	5639.9	6514.3	9454.9	19390.3	36785.7	68806.4	123228.9	185896.1	254505.0
0°	4700.1	5288.3	5683.0	6528.0	9417.4	19668.3	37075.7	70271.3	127628.5	194206.6	264611.1
-2.5°	4872.0	5275.6	5658.5	6472.8	9291.8	19094.6	36398.2	68993.4	122530.6	184958.8	253097.4
-5°	4768.5	5094.4	5433.2	6165.8	8675.6	17083.4	32786.8	61737.9	107464.5	163525.4	221895.5
-7.5°	4502.9	4833.2	5147.0	5778.8	7787.3	14097.7	26820.0	49595.5	85311.0	128971.0	174817.0
-10°	4260.7	4556.9	4852.4	5357.8	6653.8	10340.2	19192.0	35099.6	62286.9	95198.8	130234.5
-12.5°	4074.2	4323.1	4550.7	4889.4	5610.1	7669.1	13962.5	25768.9	41826.8	62780.3	88421.2
-15°	3910.2	4103.6	4271.1	4597.0	5132.7	6208.4	8700.1	15445.0	25450.7	38653.6	52654.4
-17.5°	3758.4	3943.9	4141.7	4390.1	4727.3	5243.7	6675.1	9512.2	15284.6	23909.2	32166.4
-20°	3680.8	3907.9	4077.8	4272.1	4558.4	4955.2	5458.1	6865.5	9244.7	14545.1	19914.1



REPORT NUMBER: P1306353 (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°	3619.5	3836.1	4030.1	4255.5	4549.4	4862.6	5134.1	5563.9	6686.4	8351.0	11122.6
-25°	3545.0	3758.5	4045.3	4373.4	4625.9	4862.7	5000.5	5090.1	5571.8	6047.6	7108.6
-27.5°	3403.4	3741.7	4162.9	4517.1	4788.9	4935.9	5046.8	5119.4	5408.2	5691.8	6000.6
-30°	3276.9	3795.5	4250.3	4662.2	4898.7	5078.2	5222.9	5353.8	5553.4	5793.6	5905.9
-32.5°	2827.8	3780.9	4286.7	4665.9	4909.0	5120.8	5343.8	5464.7	5640.5	5816.5	5958.3
-35°	2221.1	3189.7	4247.2	4464.4	4705.7	4981.9	5249.7	5421.8	5600.8	5782.0	5949.0
-37.5°	1663.8	2388.3	3245.9	4030.3	4354.1	4636.8	4965.6	5230.6	5464.9	5662.5	5852.8
-40°	1458.4	1654.9	2285.9	2908.9	3570.5	4177.8	4502.7	4857.6	5210.1	5454.2	5671.4
-42.5°	1456.1	1531.4	1595.9	2013.4	2522.5	3044.7	3597.4	4112.5	4686.0	5087.9	5392.9
-45°	1465.4	1524.0	1584.1	1644.6	1700.2	2084.4	2487.4	2896.0	3494.5	4088.7	4602.3
-47.5°	1395.8	1508.7	1580.7	1638.7	1693.6	1747.6	1800.3	1910.5	2293.1	2698.1	3068.2
-50°	1285.1	1401.6	1508.7	1616.1	1679.1	1732.4	1789.7	1852.7	1913.9	1976.1	2017.5
-52.5°	1149.4	1264.1	1375.5	1477.4	1569.2	1659.4	1749.6	1822.8	1888.1	1951.8	1983.6
-55°	1019.6	1122.8	1224.4	1314.0	1403.6	1492.5	1582.2	1671.4	1760.0	1847.0	1891.5
-57.5°	875.6	975.9	1071.4	1146.9	1222.9	1298.7	1380.2	1464.0	1544.8	1618.9	1657.9
-60°	722.9	808.7	890.5	963.8	1035.0	1103.6	1172.6	1242.5	1310.9	1371.1	1406.5
-62.5°	570.9	637.2	705.4	769.2	829.9	888.3	951.3	1011.6	1068.4	1116.4	1149.7
-65°	446.9	496.5	540.1	584.4	629.3	680.6	732.6	781.7	827.7	865.7	894.2
-67.5°	303.5	349.0	389.0	426.6	461.1	496.1	533.3	569.1	603.0	631.0	653.1
-70°	183.5	209.1	232.0	257.3	287.3	316.9	346.3	373.5	398.3	418.6	434.7
-72.5°	99.8	110.6	122.2	140.5	157.2	174.0	190.5	205.6	219.4	231.5	242.2
-75°	53.7	58.3	66.8	74.3	81.1	87.8	94.4	100.4	105.8	110.3	114.0
-77.5°	41.4	43.7	45.7	47.6	49.2	50.7	52.1	53.5	54.8	56.1	57.2
-80°	31.8	33.4	34.9	36.4	37.8	38.8	39.6	40.3	40.9	41.7	42.5
-82.5°	25.6	26.3	27.0	27.7	28.5	29.3	30.1	30.8	31.6	31.9	32.2
-85°	20.9	21.2	21.4	21.7	21.9	22.2	22.4	22.6	22.7	22.8	22.9
-87.5°	16.9	16.9	16.9	17.0	17.0	17.5	18.1	18.6	19.1	19.2	19.2
-90°	1.9	1.4	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306353 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-50-80-2S-CV1-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.7
87.5°	0.0	0.0	0.9	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.5
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	3.7	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.5	3.5	3.7
72.5°	6.1	5.7	5.7	5.7	5.7	5.7	6.1	6.5	6.7	7.0	7.4
70°	7.6	7.6	7.7	7.7	7.7	7.6	7.6	7.6	7.6	8.3	9.9
67.5°	8.2	7.8	6.8	5.7	6.8	7.8	8.2	8.6	9.0	9.7	11.3
65°	7.8	7.7	6.8	5.7	6.8	7.7	7.8	7.9	8.1	9.0	10.6
62.5°	7.1	7.6	6.8	5.7	6.8	7.6	7.1	6.7	6.4	7.2	8.6
60°	7.0	7.5	7.7	7.7	7.7	7.5	7.0	6.4	5.8	6.3	7.3
57.5°	7.6	7.7	7.7	7.7	7.7	7.7	7.6	7.4	7.0	7.0	7.1
55°	7.7	7.7	8.4	9.6	8.4	7.7	7.7	7.7	7.7	8.0	8.0
52.5°	9.3	9.5	9.6	9.6	9.6	9.5	9.3	9.1	8.9	8.9	9.1
50°	11.2	11.4	11.5	11.5	11.5	11.4	11.2	10.9	10.8	10.6	10.0
47.5°	16.3	15.6	15.2	15.3	15.2	15.6	16.3	16.3	16.1	15.3	13.5
45°	26.7	26.6	26.5	26.8	26.5	26.6	26.7	26.3	37.4	38.9	23.9
42.5°	53.6	48.3	44.2	46.0	44.2	48.3	53.6	55.1	91.1	117.3	125.2
40°	157.7	108.3	62.7	63.2	62.7	108.3	157.7	176.6	160.7	200.8	210.9
37.5°	147.3	118.9	107.2	105.4	107.2	118.9	147.3	184.8	174.6	124.1	155.8
35°	243.1	241.6	231.0	229.9	231.0	241.6	243.1	242.3	226.3	189.1	218.7
32.5°	593.1	617.5	609.6	599.7	609.6	617.5	593.1	567.7	501.7	453.5	451.0
30°	1239.8	1293.8	1282.9	1312.5	1282.9	1293.8	1239.8	1177.7	1046.7	975.4	866.5
27.5°	2056.4	2091.7	2055.2	2044.4	2055.2	2091.7	2056.4	1983.4	1851.6	1727.6	1519.4
25°	3236.5	3305.0	3336.6	3401.0	3336.6	3305.0	3236.5	3050.7	2778.9	2653.6	2439.1
22.5°	7276.9	7700.9	7483.1	7288.7	7483.1	7700.9	7276.9	5795.7	4604.3	4051.5	3604.6
20°	21355.5	25127.3	24849.3	24353.1	24849.3	25127.3	21355.5	14952.8	11825.2	7292.4	5787.9
17.5°	51494.5	63082.1	70298.4	74095.8	70298.4	63082.1	51494.5	37044.8	27807.1	17715.2	10500.0
15°	96067.2	115557.5	127001.2	133491.6	127001.2	115557.5	96067.2	71601.6	50986.4	33950.5	18999.6
12.5°	151539.4	182087.8	202353.8	206228.0	202353.8	182087.8	151539.4	116403.9	79856.9	52319.2	30578.1
10°	212621.9	251747.4	284015.0	295783.4	284015.0	251747.4	212621.9	164949.8	118373.2	75365.6	41242.9
7.5°	264788.3	314716.9	357563.7	372803.1	357563.7	314716.9	264788.3	209329.0	149365.9	95446.6	55085.4
5°	302721.6	368953.8	407737.3	418202.1	407737.3	368953.8	302721.6	236851.3	172645.6	111797.5	62751.4
2.5°	333599.4	396470.2	438051.5	459490.3	438051.5	396470.2	333599.4	254505.0	185896.1	123228.9	68806.4
0°	347175.9	407594.8	452440.1	483894.1	452440.1	407594.8	347175.9	264611.1	194206.6	127628.5	70271.3
-2.5°	330491.5	392278.4	424179.1	437965.3	424179.1	392278.4	330491.5	253097.4	184958.8	122530.6	68993.4
-5°	280986.9	339232.2	371294.6	381480.9	371294.6	339232.2	280986.9	221895.5	163525.4	107464.5	61737.9
-7.5°	219181.4	259533.8	287196.4	296837.3	287196.4	259533.8	219181.4	174817.0	128971.0	85311.0	49595.5
-10°	165038.9	193978.4	208802.3	213812.6	208802.3	193978.4	165038.9	130234.5	95198.8	62286.9	35099.6
-12.5°	113324.7	135110.4	144692.8	150988.0	144692.8	135110.4	113324.7	88421.2	62780.3	41826.8	25768.9
-15°	69709.1	83911.8	91457.1	95764.5	91457.1	83911.8	69709.1	52654.4	38653.6	25450.7	15445.0
-17.5°	42351.9	50072.2	55072.5	57338.0	55072.5	50072.2	42351.9	32166.4	23909.2	15284.6	9512.2
-20°	26293.2	31433.4	34353.1	36027.6	34353.1	31433.4	26293.2	19914.1	14545.1	9244.7	6865.5



REPORT NUMBER: P1306353 (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°	14770.7	17591.1	19172.6	19723.9	19172.6	17591.1	14770.7	11122.6	8351.0	6686.4	5563.9
-25°	8213.8	8931.7	9245.8	9319.7	9245.8	8931.7	8213.8	7108.6	6047.6	5571.8	5090.1
-27.5°	6268.2	6421.3	6518.3	6547.2	6518.3	6421.3	6268.2	6000.6	5691.8	5408.2	5119.4
-30°	6012.6	6028.6	6055.3	6050.9	6055.3	6028.6	6012.6	5905.9	5793.6	5553.4	5353.8
-32.5°	6058.3	6064.2	6069.6	6060.5	6069.6	6064.2	6058.3	5958.3	5816.5	5640.5	5464.7
-35°	6040.2	6057.6	6071.2	6077.7	6071.2	6057.6	6040.2	5949.0	5782.0	5600.8	5421.8
-37.5°	5928.5	5952.4	5964.2	5953.2	5964.2	5952.4	5928.5	5852.8	5662.5	5464.9	5230.6
-40°	5723.5	5740.8	5741.9	5732.8	5741.9	5740.8	5723.5	5671.4	5454.2	5210.1	4857.6
-42.5°	5485.8	5546.3	5574.9	5575.7	5574.9	5546.3	5485.8	5392.9	5087.9	4686.0	4112.5
-45°	4927.9	5180.4	5330.3	5366.9	5330.3	5180.4	4927.9	4602.3	4088.7	3494.5	2896.0
-47.5°	3364.0	3614.9	3778.1	3839.8	3778.1	3614.9	3364.0	3068.2	2698.1	2293.1	1910.5
-50°	2047.6	2078.0	2091.4	2088.5	2091.4	2078.0	2047.6	2017.5	1976.1	1913.9	1852.7
-52.5°	2007.9	2031.9	2046.8	2054.0	2046.8	2031.9	2007.9	1983.6	1951.8	1888.1	1822.8
-55°	1928.1	1958.2	1973.7	1977.4	1973.7	1958.2	1928.1	1891.5	1847.0	1760.0	1671.4
-57.5°	1690.6	1716.8	1731.9	1737.9	1731.9	1716.8	1690.6	1657.9	1618.9	1544.8	1464.0
-60°	1435.1	1457.0	1466.6	1467.7	1466.6	1457.0	1435.1	1406.5	1371.1	1310.9	1242.5
-62.5°	1177.4	1199.3	1206.5	1205.2	1206.5	1199.3	1177.4	1149.7	1116.4	1068.4	1011.6
-65°	918.0	937.0	940.7	937.0	940.7	937.0	918.0	894.2	865.7	827.7	781.7
-67.5°	671.6	686.4	690.8	689.8	690.8	686.4	671.6	653.1	631.0	603.0	569.1
-70°	447.5	457.1	456.8	452.2	456.8	457.1	447.5	434.7	418.6	398.3	373.5
-72.5°	251.1	258.4	264.2	268.2	264.2	258.4	251.1	242.2	231.5	219.4	205.6
-75°	117.0	119.2	122.2	124.5	122.2	119.2	117.0	114.0	110.3	105.8	100.4
-77.5°	58.2	59.1	60.2	61.3	60.2	59.1	58.2	57.2	56.1	54.8	53.5
-80°	43.2	43.9	44.1	44.1	44.1	43.9	43.2	42.5	41.7	40.9	40.3
-82.5°	32.4	32.5	32.6	32.6	32.6	32.5	32.4	32.2	31.9	31.6	30.8
-85°	22.9	23.0	23.9	24.9	23.9	23.0	22.9	22.9	22.8	22.7	22.6
-87.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.1	18.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.3	15.8	15.3	15.3	15.3	15.3	15.3	14.8	14.4	13.9	13.4
87.5°	0.9	1.3	1.7	1.7	1.8	1.8	1.9	1.9	1.9	1.9	1.9
85°	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.2	2.2	2.2
80°	1.9	1.9	1.9	2.2	2.4	2.5	2.5	2.8	3.0	3.3	3.5
77.5°	1.9	1.9	2.1	2.7	3.3	3.8	4.1	4.3	4.5	4.7	4.8
75°	3.8	3.7	3.9	4.7	5.2	5.4	5.5	5.4	5.4	5.5	5.7
72.5°	7.8	7.9	8.6	10.0	10.8	11.5	11.6	10.9	9.4	7.3	5.7
70°	11.2	12.3	14.3	17.1	19.3	20.5	21.2	20.7	18.8	16.7	12.8
67.5°	12.9	14.7	17.9	21.8	24.7	27.4	30.5	33.5	33.8	31.7	22.9
65°	12.4	14.3	17.0	19.8	23.5	28.2	35.3	39.6	42.4	43.6	35.9
62.5°	9.9	11.3	13.0	15.5	18.5	23.5	32.4	40.0	46.4	47.7	40.4
60°	8.4	9.7	10.8	12.2	13.9	18.1	26.4	36.1	47.3	46.1	41.3
57.5°	7.4	8.3	9.6	10.6	11.4	14.5	20.2	28.2	38.4	39.5	37.9
55°	7.8	8.1	9.0	10.2	11.5	12.8	15.1	20.0	27.3	29.5	30.0
52.5°	9.5	9.2	9.1	9.3	10.5	11.8	12.9	15.6	18.0	21.1	22.9
50°	9.7	10.0	9.9	9.6	10.6	11.5	12.6	13.4	14.8	16.3	17.5
47.5°	13.3	13.3	11.8	11.4	13.5	12.8	13.6	14.3	15.1	14.7	15.5
45°	28.6	28.0	19.4	20.1	21.8	21.8	17.8	19.0	18.4	17.2	15.2
42.5°	90.0	67.8	59.5	44.0	35.2	35.1	33.1	30.3	27.6	22.9	21.8
40°	151.1	120.8	99.4	81.4	63.4	52.0	54.7	46.5	41.6	35.4	35.2
37.5°	161.3	113.5	131.8	124.9	99.9	94.4	94.4	78.5	57.9	70.1	69.1
35°	197.8	188.7	205.1	199.9	161.2	189.9	172.6	135.0	113.8	126.5	118.7
32.5°	399.9	406.1	384.1	355.6	346.2	342.0	309.9	238.6	226.9	218.0	191.7
30°	763.7	734.6	676.9	641.3	630.6	561.8	495.4	500.4	432.2	334.8	286.1
27.5°	1394.0	1177.7	1091.2	1134.6	1025.6	887.2	870.8	883.6	712.9	540.2	412.7
25°	2259.7	1945.4	1866.4	1839.7	1638.8	1443.9	1398.7	1341.1	1144.8	811.2	570.2
22.5°	3341.5	3035.9	2850.4	2742.0	2477.9	2263.2	2068.4	1856.4	1657.5	1214.4	845.7
20°	4518.2	4146.4	3851.4	3627.9	3395.8	3107.3	2814.7	2449.4	2137.5	1716.5	1180.0
17.5°	6758.5	5282.7	4713.4	4432.9	4208.3	3932.5	3453.2	2980.1	2612.9	2242.8	1548.9
15°	9823.6	6820.9	5560.7	5122.4	4840.8	4397.3	3949.8	3446.0	3079.6	2718.5	1966.3
12.5°	16407.3	8767.8	6311.9	5501.9	5087.5	4715.0	4343.4	3887.3	3447.7	2972.7	2264.0
10°	22555.1	11848.5	7376.5	5877.2	5287.3	4927.9	4556.0	4028.1	3530.0	3107.4	2517.0
7.5°	29797.0	15529.9	8461.7	6171.9	5452.3	5007.8	4554.5	4013.9	3571.3	3198.9	2725.7
5°	34292.1	18042.2	9140.4	6378.3	5566.2	5100.6	4552.0	3939.7	3577.7	3254.5	2890.6
2.5°	36785.7	19390.3	9454.9	6514.3	5639.9	5199.9	4596.2	3904.1	3577.5	3265.5	2941.4
0°	37075.7	19668.3	9417.4	6528.0	5683.0	5288.3	4700.1	3918.3	3569.6	3257.3	2952.6
-2.5°	36398.2	19094.6	9291.8	6472.8	5658.5	5275.6	4872.0	4072.5	3656.1	3294.1	2939.5
-5°	32786.8	17083.4	8675.6	6165.8	5433.2	5094.4	4768.5	4098.0	3657.6	3290.3	2887.2
-7.5°	26820.0	14097.7	7787.3	5778.8	5147.0	4833.2	4502.9	3968.7	3506.9	3160.9	2719.5
-10°	19192.0	10340.2	6653.8	5357.8	4852.4	4556.9	4260.7	3790.1	3342.1	3018.0	2520.5
-12.5°	13962.5	7669.1	5610.1	4889.4	4550.7	4323.1	4074.2	3586.2	3165.3	2863.0	2294.4
-15°	8700.1	6208.4	5132.7	4597.0	4271.1	4103.6	3910.2	3475.6	3131.7	2747.7	2044.9
-17.5°	6675.1	5243.7	4727.3	4390.1	4141.7	3943.9	3758.4	3451.6	3117.8	2652.3	1824.5
-20°	5458.1	4955.2	4558.4	4272.1	4077.8	3907.9	3680.8	3442.1	3068.7	2398.7	1611.0



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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°	5134.1	4862.6	4549.4	4255.5	4030.1	3836.1	3619.5	3377.9	2987.2	2063.7	1377.0
-25°	5000.5	4862.7	4625.9	4373.4	4045.3	3758.5	3545.0	3227.6	2577.2	1732.8	1161.2
-27.5°	5046.8	4935.9	4788.9	4517.1	4162.9	3741.7	3403.4	2995.2	2109.1	1452.8	1148.3
-30°	5222.9	5078.2	4898.7	4662.2	4250.3	3795.5	3276.9	2456.5	1733.4	1224.3	1138.9
-32.5°	5343.8	5120.8	4909.0	4665.9	4286.7	3780.9	2827.8	1946.1	1362.6	1211.6	1138.6
-35°	5249.7	4981.9	4705.7	4464.4	4247.2	3189.7	2221.1	1538.3	1277.4	1199.3	1136.2
-37.5°	4965.6	4636.8	4354.1	4030.3	3245.9	2388.3	1663.8	1367.9	1268.6	1189.8	1095.3
-40°	4502.7	4177.8	3570.5	2908.9	2285.9	1654.9	1458.4	1363.7	1273.1	1153.6	1034.4
-42.5°	3597.4	3044.7	2522.5	2013.4	1595.9	1531.4	1456.1	1371.4	1255.1	1104.6	965.5
-45°	2487.4	2084.4	1700.2	1644.6	1584.1	1524.0	1465.4	1341.9	1196.2	1041.5	894.8
-47.5°	1800.3	1747.6	1693.6	1638.7	1580.7	1508.7	1395.8	1271.2	1112.4	964.7	836.0
-50°	1789.7	1732.4	1679.1	1616.1	1508.7	1401.6	1285.1	1159.6	1016.2	886.8	765.8
-52.5°	1749.6	1659.4	1569.2	1477.4	1375.5	1264.1	1149.4	1037.6	917.1	796.7	683.2
-55°	1582.2	1492.5	1403.6	1314.0	1224.4	1122.8	1019.6	913.6	805.6	695.8	597.2
-57.5°	1380.2	1298.7	1222.9	1146.9	1071.4	975.9	875.6	778.4	687.4	593.7	507.4
-60°	1172.6	1103.6	1035.0	963.8	890.5	808.7	722.9	640.9	563.3	493.7	424.1
-62.5°	951.3	888.3	829.9	769.2	705.4	637.2	570.9	513.6	456.4	396.7	331.1
-65°	732.6	680.6	629.3	584.4	540.1	496.5	446.9	393.6	339.0	285.5	231.3
-67.5°	533.3	496.1	461.1	426.6	389.0	349.0	303.5	257.8	221.4	187.2	149.6
-70°	346.3	316.9	287.3	257.3	232.0	209.1	183.5	156.0	127.1	106.8	89.6
-72.5°	190.5	174.0	157.2	140.5	122.2	110.6	99.8	87.4	74.2	60.2	50.0
-75°	94.4	87.8	81.1	74.3	66.8	58.3	53.7	50.4	47.2	44.1	40.8
-77.5°	52.1	50.7	49.2	47.6	45.7	43.7	41.4	39.1	37.2	35.4	33.5
-80°	39.6	38.8	37.8	36.4	34.9	33.4	31.8	30.5	29.3	28.3	27.3
-82.5°	30.1	29.3	28.5	27.7	27.0	26.3	25.6	24.8	24.0	23.0	22.0
-85°	22.4	22.2	21.9	21.7	21.4	21.2	20.9	20.3	19.8	19.3	18.8
-87.5°	18.1	17.5	17.0	17.0	16.9	16.9	16.9	16.7	16.5	16.3	16.1
-90°	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9	1.9	1.9	1.9



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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°	12.9	12.5	12.0	11.5	11.5	11.5	11.5	11.5	11.0	10.6	10.1
87.5°	2.2	2.5	2.8	3.0	3.1	3.3	3.5	3.8	4.0	4.1	4.2
85°	2.4	2.9	3.3	3.8	3.8	3.8	3.8	3.8	4.2	4.5	4.7
82.5°	2.5	2.9	3.4	3.8	4.1	4.3	4.4	4.3	4.5	4.8	5.1
80°	3.4	3.4	3.6	3.9	4.4	4.8	5.1	5.1	5.0	5.1	5.4
77.5°	4.5	4.2	3.9	3.9	4.4	4.9	5.3	5.7	5.6	5.4	5.5
75°	5.7	5.4	5.0	4.7	4.7	4.9	5.4	5.7	5.7	5.7	5.6
72.5°	5.7	5.7	5.7	5.7	5.4	5.3	5.5	5.7	5.7	5.7	5.7
70°	8.9	6.3	5.7	5.7	5.7	5.7	5.6	5.8	5.7	5.7	5.7
67.5°	14.6	10.3	7.3	6.0	5.7	5.7	5.7	5.9	6.0	5.7	5.7
65°	25.5	16.5	9.4	7.8	6.4	5.7	5.7	6.1	6.3	6.1	5.7
62.5°	33.0	24.8	16.3	10.7	7.8	6.5	5.7	6.2	6.7	6.6	6.1
60°	36.5	28.8	22.6	16.4	10.7	7.5	6.5	6.3	6.8	7.1	6.6
57.5°	33.7	30.8	26.3	21.0	15.1	9.8	7.4	6.9	6.8	7.3	7.2
55°	28.7	26.9	28.1	24.3	18.7	12.9	9.0	7.7	7.1	7.4	7.7
52.5°	22.7	24.2	26.8	26.3	21.6	15.9	11.7	8.5	7.8	7.5	7.9
50°	18.1	21.7	25.6	26.8	24.2	18.9	14.1	10.4	8.5	7.7	8.0
47.5°	16.7	20.3	23.7	27.3	26.0	21.8	16.6	12.2	9.2	8.3	8.1
45°	18.4	19.9	22.6	25.9	28.2	24.1	19.2	13.8	10.6	9.0	8.2
42.5°	22.5	22.8	22.9	24.7	27.8	26.0	21.6	15.9	11.7	9.7	8.6
40°	32.4	28.8	25.1	27.1	27.7	27.8	23.4	18.0	12.7	10.6	9.2
37.5°	45.1	39.1	32.2	34.0	30.2	28.6	25.0	20.0	14.3	11.7	9.9
35°	87.2	53.4	54.9	50.6	39.7	30.0	26.5	21.7	16.6	12.7	10.6
32.5°	141.5	102.8	101.2	78.1	52.6	32.2	28.1	24.0	18.9	13.8	11.3
30°	232.2	213.7	168.3	112.8	72.6	44.2	31.1	26.5	21.3	14.8	12.0
27.5°	375.2	345.7	259.9	174.8	105.9	59.9	36.6	29.2	23.7	16.1	12.9
25°	519.8	482.3	387.1	256.8	143.9	93.0	43.4	32.1	26.0	18.0	13.7
22.5°	664.2	615.3	528.0	351.4	201.3	135.6	60.7	37.4	28.2	19.9	14.4
20°	802.2	747.4	669.6	430.4	271.1	186.3	91.9	43.2	30.6	21.7	15.1
17.5°	962.6	848.0	730.9	513.6	340.6	237.1	127.8	49.7	32.9	23.5	15.8
15°	1209.2	908.3	786.4	587.7	400.8	287.6	167.4	56.4	35.2	25.2	16.4
12.5°	1433.3	964.5	841.2	652.7	452.5	337.5	209.3	63.4	37.5	26.6	17.0
10°	1642.9	1016.5	894.3	708.9	496.6	386.0	252.2	70.6	40.3	27.8	17.5
7.5°	1832.8	1064.3	944.7	756.4	530.9	417.8	281.1	77.7	43.4	28.8	18.0
5°	1982.4	1102.1	986.2	790.3	544.1	429.7	304.0	84.4	46.3	29.6	18.5
2.5°	2032.0	1126.1	1019.3	816.6	554.3	437.8	322.2	90.5	49.1	30.2	18.9
0°	2042.5	1145.8	1046.2	835.4	561.4	442.6	335.3	95.8	51.7	30.7	19.2
-2.5°	2032.4	1148.0	1047.4	851.4	583.4	456.2	347.2	119.4	68.1	40.0	23.7
-5°	1986.2	1146.7	1043.3	859.6	601.5	467.1	354.4	141.7	83.8	48.9	28.0
-7.5°	1863.4	1131.1	1028.9	858.6	614.9	475.4	357.9	162.4	98.4	57.1	32.0
-10°	1704.9	1105.0	1002.0	840.4	623.6	485.6	359.1	181.0	111.5	64.5	35.6
-12.5°	1525.7	1075.3	975.3	819.8	629.2	497.2	362.4	196.9	122.8	70.9	38.6
-15°	1330.0	1042.2	950.4	798.6	632.0	506.2	362.2	209.8	132.5	77.1	41.1
-17.5°	1128.6	1005.5	928.9	778.3	632.3	512.5	358.8	219.5	140.5	83.3	43.9
-20°	1090.3	990.0	909.0	760.3	630.3	516.1	352.6	225.9	146.8	88.0	46.7



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1081.0	995.0	893.3	751.1	628.2	517.2	343.7	228.5	151.3	91.0	48.4
-25°	1071.3	1001.0	876.6	740.4	625.6	502.0	338.9	227.3	153.8	92.1	48.8
-27.5°	1072.2	999.4	855.3	722.7	611.3	484.5	336.3	229.0	154.6	91.3	48.0
-30°	1079.2	971.2	830.2	699.5	592.0	455.6	328.4	228.5	153.5	89.9	45.7
-32.5°	1071.9	938.3	797.3	674.3	560.2	425.3	312.0	225.4	149.7	87.3	44.3
-35°	1024.4	893.8	756.9	643.1	523.7	401.5	294.6	219.8	143.1	82.7	42.7
-37.5°	971.8	840.2	717.2	604.8	486.4	374.7	280.9	206.2	133.6	75.9	40.0
-40°	910.1	787.0	673.2	563.3	452.3	345.0	263.6	189.4	123.5	67.1	36.3
-42.5°	845.6	735.7	626.4	521.0	416.7	322.0	242.8	169.9	109.4	60.2	31.7
-45°	786.6	680.2	575.1	476.1	379.5	295.1	218.0	148.3	93.3	53.7	28.1
-47.5°	722.8	619.2	521.3	427.8	344.6	264.1	190.2	128.0	75.6	45.8	27.0
-50°	651.3	555.6	465.1	381.7	304.5	229.4	160.7	105.6	64.7	36.4	25.7
-52.5°	580.8	491.1	410.0	334.4	260.7	191.2	133.0	82.4	52.8	31.9	24.1
-55°	506.3	427.9	354.9	282.4	213.4	155.4	103.0	67.6	40.0	29.6	22.4
-57.5°	433.6	364.1	293.4	225.8	168.2	118.2	79.9	51.8	34.6	27.0	21.8
-60°	356.9	290.2	226.6	172.4	123.7	86.8	60.5	39.2	31.3	24.7	21.1
-62.5°	269.2	213.5	166.2	119.8	87.6	63.1	42.8	35.0	27.8	23.6	20.3
-65°	188.1	145.9	106.7	82.9	60.1	43.5	37.5	30.5	25.9	22.5	19.4
-67.5°	112.8	92.4	71.9	51.4	42.8	37.4	31.9	27.9	24.4	21.3	18.4
-70°	71.9	54.1	45.6	40.9	36.1	31.6	28.9	25.9	22.8	20.0	17.4
-72.5°	46.1	42.0	37.9	33.8	31.1	28.6	26.3	23.9	21.1	18.6	16.3
-75°	37.4	34.6	32.1	29.7	27.5	25.5	23.8	21.8	19.4	17.2	15.2
-77.5°	31.4	29.3	27.4	25.8	24.3	22.8	21.2	19.6	17.7	15.9	14.2
-80°	26.0	24.8	23.7	22.7	21.4	20.0	18.9	17.8	16.3	14.7	13.1
-82.5°	21.3	20.7	20.1	19.4	18.5	17.7	17.0	16.3	14.8	13.4	12.2
-85°	18.2	17.6	16.9	16.1	15.7	15.3	15.0	14.7	13.5	12.5	11.5
-87.5°	15.5	14.9	14.3	13.7	13.5	13.4	13.3	13.1	12.3	11.5	10.8
-90°	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8	3.8	3.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.6	9.1	8.7	8.2	7.7	6.7	5.7
87.5°	4.3	4.6	4.9	5.3	5.7	5.7	5.7
85°	4.8	4.9	5.1	5.4	5.7	5.8	5.7
82.5°	5.3	5.2	5.3	5.4	5.7	5.8	5.7
80°	5.7	5.5	5.4	5.5	5.7	5.9	5.7
77.5°	5.7	5.7	5.6	5.5	5.7	5.9	5.7
75°	5.8	5.9	5.7	5.6	5.7	6.0	5.7
72.5°	5.8	6.0	5.9	5.7	5.8	6.0	5.7
70°	5.9	6.2	6.1	5.7	5.8	6.1	5.7
67.5°	5.9	6.3	6.3	5.9	5.8	6.1	5.7
65°	6.0	6.4	6.5	6.1	5.9	6.2	5.7
62.5°	6.0	6.5	6.7	6.3	5.9	6.2	5.7
60°	6.1	6.5	7.0	6.5	6.0	6.3	5.7
57.5°	6.5	6.6	7.0	6.8	6.1	6.3	5.7
55°	7.0	6.6	7.1	7.0	6.3	6.4	5.7
52.5°	7.5	6.8	7.1	7.2	6.5	6.4	5.7
50°	8.0	7.2	7.2	7.4	6.6	6.5	5.7
47.5°	8.4	7.5	7.2	7.6	6.7	6.6	5.7
45°	8.5	7.9	7.3	7.6	6.9	6.6	5.7
42.5°	8.6	8.3	7.3	7.7	7.0	6.7	5.7
40°	8.7	8.7	7.5	7.7	7.1	6.7	5.7
37.5°	8.8	9.0	7.8	7.8	7.2	6.8	5.7
35°	8.9	9.2	8.1	7.8	7.3	6.9	5.7
32.5°	9.1	9.3	8.3	7.9	7.4	6.9	5.7
30°	9.7	9.3	8.6	8.0	7.4	7.0	5.7
27.5°	10.3	9.4	8.8	8.1	7.5	7.1	5.7
25°	10.8	9.5	9.0	8.2	7.5	7.1	5.7
22.5°	11.4	9.6	9.1	8.3	7.6	7.2	5.7
20°	11.9	9.8	9.3	8.5	7.6	7.3	5.7
17.5°	12.5	9.9	9.4	8.6	7.6	7.3	5.7
15°	13.0	10.1	9.5	8.7	7.7	7.4	5.7
12.5°	13.5	10.4	9.5	8.9	7.7	7.4	5.7
10°	13.9	10.6	9.6	9.0	7.7	7.5	5.7
7.5°	14.3	10.8	9.6	9.2	7.7	7.6	5.7
5°	14.7	11.1	9.6	9.3	7.7	7.6	5.7
2.5°	15.0	11.3	9.6	9.5	7.7	7.7	5.7
0°	15.3	11.5	9.6	9.6	7.7	7.7	5.7
-2.5°	16.8	12.1	9.9	9.7	7.8	7.7	5.7
-5°	18.3	12.7	10.3	9.8	7.9	7.8	5.7
-7.5°	19.6	13.3	10.6	9.9	7.9	7.8	5.7
-10°	20.8	13.8	10.9	10.0	8.0	7.8	5.7
-12.5°	21.8	14.3	11.2	10.1	8.1	7.9	5.7
-15°	22.7	14.7	11.4	10.1	8.2	7.9	5.7
-17.5°	23.3	15.1	11.7	10.2	8.3	7.9	5.7
-20°	24.0	15.4	11.9	10.2	8.4	7.9	5.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.9	15.6	12.1	10.3	8.4	7.9	5.7
-25°	25.3	15.8	12.2	10.3	8.5	7.9	5.7
-27.5°	25.1	16.0	12.3	10.3	8.6	7.9	5.7
-30°	24.4	16.1	12.4	10.3	8.7	7.9	5.7
-32.5°	22.9	16.1	12.5	10.2	8.7	7.9	5.7
-35°	22.3	16.0	12.7	10.2	8.8	7.9	5.7
-37.5°	22.1	15.9	12.7	10.2	8.9	7.9	5.7
-40°	21.8	15.9	12.8	10.1	8.9	7.9	5.7
-42.5°	21.2	15.9	12.8	10.0	9.0	7.8	5.7
-45°	20.5	15.9	12.7	10.0	9.0	7.8	5.7
-47.5°	19.5	15.8	12.6	10.0	9.1	7.8	5.7
-50°	19.2	15.6	12.5	10.0	9.2	7.7	5.7
-52.5°	18.9	15.4	12.4	10.1	9.2	7.7	5.7
-55°	18.6	15.1	12.2	10.1	9.3	7.6	5.7
-57.5°	18.1	14.8	11.9	10.2	9.3	7.6	5.7
-60°	17.6	14.4	11.7	10.2	9.3	7.5	5.7
-62.5°	17.0	14.0	11.6	10.2	9.2	7.5	5.7
-65°	16.4	13.5	11.4	10.1	9.1	7.4	5.7
-67.5°	15.7	13.1	11.3	10.1	9.0	7.4	5.7
-70°	14.9	12.7	11.0	10.0	8.9	7.3	5.7
-72.5°	14.2	12.2	10.8	9.8	8.8	7.2	5.7
-75°	13.3	11.7	10.5	9.6	8.6	7.2	5.7
-77.5°	12.5	11.2	10.2	9.4	8.5	7.1	5.7
-80°	11.6	10.7	9.9	9.1	8.3	7.0	5.7
-82.5°	11.0	10.3	9.6	8.9	8.2	6.9	5.7
-85°	10.6	9.9	9.3	8.7	8.0	6.9	5.7
-87.5°	10.1	9.5	9.0	8.4	7.9	6.8	5.7
-90°	3.8	4.3	4.8	5.2	5.7	5.7	5.7

(END OF REPORT)