

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: P1306020 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-2S-VHE-A**

Issue Date: 2/3/2026

Test Information

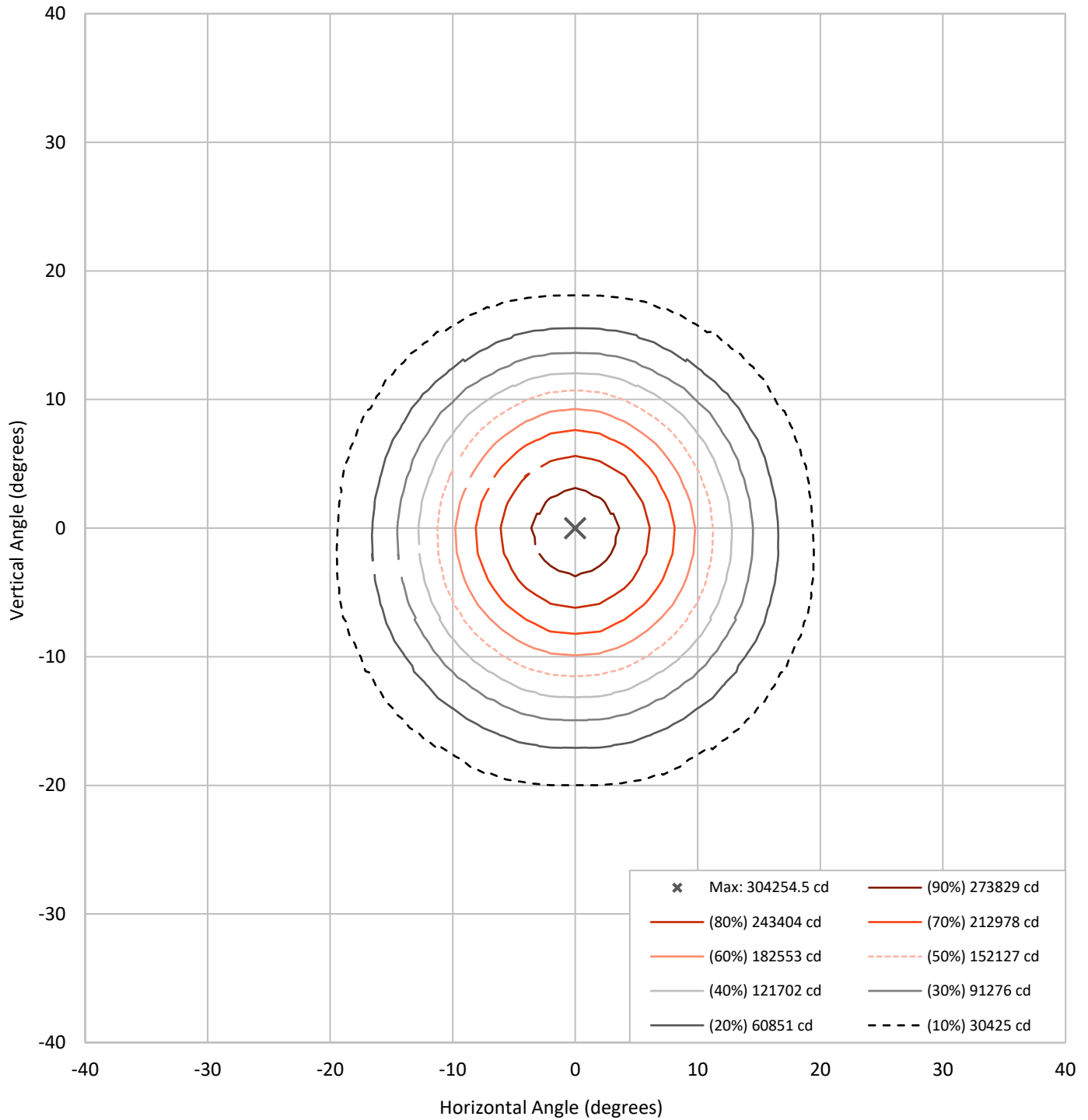
Test Method: LM-79-08
Report Number: P1306020 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-40-80-2S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	53179.2 lumens	Max Intensity:	304254.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	156.4 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:	24849.8 lumens	Field Lumens:	44269.3 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%
Input Watts (W):	340		
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





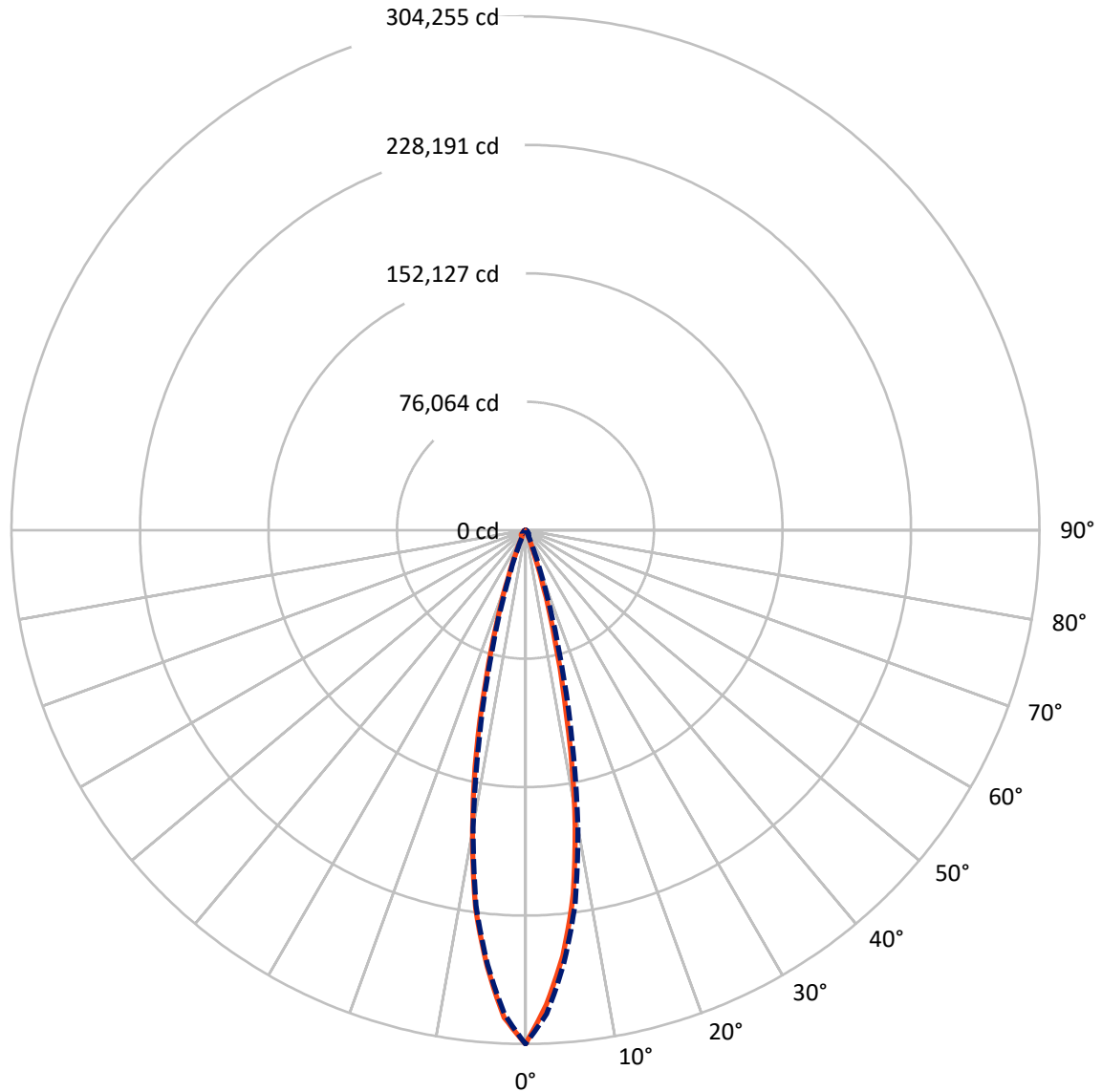
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Lumen Table

90	0.1	0.4		0.8		1.1		1.4		1.1		0.8		0.4		0.1			
80	0.1	0.4		0.8		1.1		1.4		1.1		0.8		0.4		0.1			
70	0.1	0.1	0.1	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.1	0.1	0.1			
60		0.2	0.4	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.6	0.4	0.2				
50	0.4	0.6	1.6	3.2	5.6	9.2	14.0	16.5	16.5	14.0	9.2	5.6	3.2	1.6	0.6	0.4			
40		1.6	5.2	10.1	19.8	34.5	41.9	46.4	46.4	41.9	34.5	19.8	10.1	5.2	1.6				
30	1.1	2.8	8.7	18.5	45.2	52.6	72.5	132.5	132.5	72.5	52.6	45.2	18.5	8.7	2.8	1.1			
20		3.8	11.3	32.4	63.7	93.6	593.8	1915.2	1915.2	593.8	93.6	63.7	32.4	11.3	3.8				
10	1.5	4.6	13.0	42.3	73.0	209.3	2103.6	6323.9	6323.9	2103.6	209.3	73.0	42.3	13.0	4.6	1.5			
0		5.0	14.4	44.7	80.3	240.0	2291.0	6576.6	6576.6	2291.0	240.0	80.3	44.7	14.4	5.0				
-10	1.7	5.1	15.0	43.1	84.5	137.4	839.6	2459.7	2459.7	839.6	137.4	84.5	43.1	15.0	5.1	1.7			
-20		4.7	14.7	32.9	79.7	109.2	151.7	303.5	303.5	151.7	109.2	79.7	32.9	14.7	4.7				
-30	1.4	4.0	12.9	25.7	55.7	98.1	114.9	120.5	120.5	114.9	98.1	55.7	25.7	12.9	4.0	1.4			
-40		3.0	9.8	20.8	33.2	51.1	77.7	97.5	97.5	77.7	51.1	33.2	20.8	9.8	3.0				
-50	1.1	2.0	6.2	13.6	23.3	31.5	37.6	41.5	41.5	37.6	31.5	23.3	13.6	6.2	2.0	1.1			
-60		1.3	3.1	6.8	11.9	16.7	21.0	23.6	23.6	21.0	16.7	11.9	6.8	3.1	1.3				
-70	0.8	4.9		11.8		19.7		24.1		19.7		11.8		4.9		0.8			
-80		4.9		11.8		19.7		24.1		19.7		11.8		4.9					
-90	0.8	4.9		11.8		19.7		24.1		19.7		11.8		4.9		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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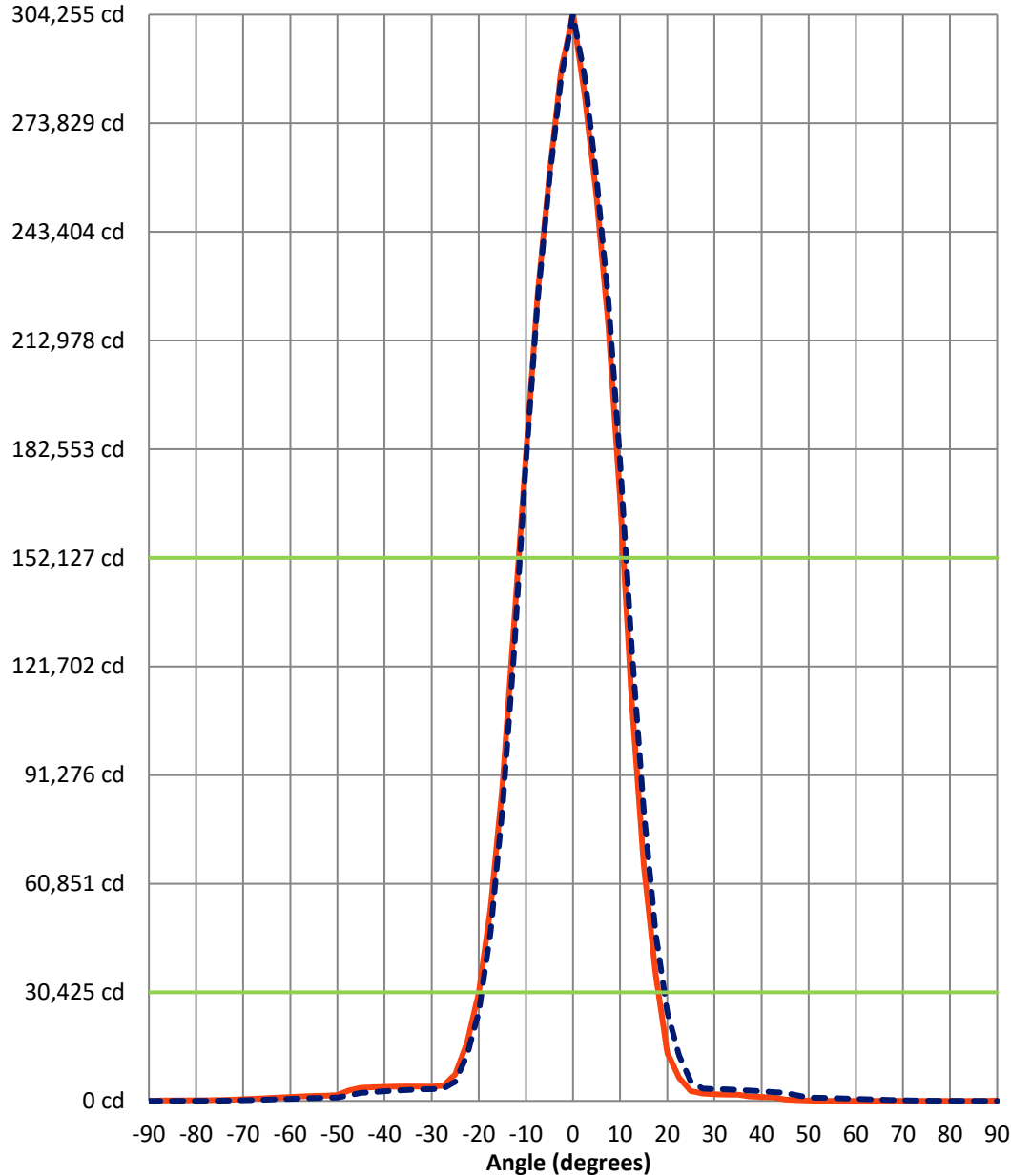
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 24849.8
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 44269.3
 Efficiency: 83.2%

Spill:
 Lumens: 8909.9
 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°	3.1	6.5	9.9	17.0	24.2	30.4	36.6	41.3	46.0	49.7	53.4
87.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.1	3.1	3.1
85°	3.1	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.1	3.1	3.1
82.5°	3.1	3.3	3.4	3.5	3.4	3.5	3.6	3.4	3.1	3.2	3.3
80°	3.1	3.4	3.5	3.6	3.5	3.6	3.7	3.6	3.6	3.6	3.5
77.5°	3.1	3.5	3.6	3.7	3.6	3.8	3.9	3.9	4.0	4.0	3.8
75°	3.1	3.6	3.7	3.8	3.8	4.0	4.1	4.1	4.3	4.3	4.1
72.5°	3.1	3.7	3.9	3.9	4.0	4.2	4.2	4.4	4.6	4.5	4.4
70°	3.1	3.7	4.0	4.1	4.2	4.4	4.5	4.7	4.9	4.8	4.8
67.5°	3.1	3.8	4.1	4.3	4.5	4.7	4.8	5.0	5.2	5.3	5.2
65°	3.1	3.9	4.2	4.4	4.7	5.0	5.2	5.4	5.8	5.7	5.7
62.5°	3.1	4.0	4.3	4.6	4.9	5.3	5.6	6.1	6.5	6.4	6.7
60°	3.1	4.1	4.5	4.8	5.1	5.7	6.0	6.9	7.3	7.7	7.8
57.5°	3.1	4.1	4.6	4.9	5.5	6.1	7.0	7.9	8.8	9.2	10.4
55°	3.1	4.2	4.8	5.1	6.0	6.5	8.2	9.1	10.6	11.5	13.9
52.5°	3.1	4.3	5.0	5.3	6.4	7.0	9.4	11.0	12.6	15.8	17.8
50°	3.1	4.4	5.3	5.4	6.9	8.3	10.7	13.1	15.4	20.5	25.5
47.5°	3.1	4.5	5.5	5.6	7.5	9.7	12.2	15.3	20.2	25.6	34.7
45°	3.1	4.5	5.7	6.1	8.0	11.1	14.2	17.5	25.5	34.8	44.7
42.5°	3.1	4.6	6.0	6.5	8.6	12.5	16.2	21.4	31.1	44.7	60.8
40°	3.1	4.7	6.3	7.1	9.5	14.0	18.4	26.5	38.3	55.3	79.0
37.5°	3.1	4.8	6.6	7.8	10.6	15.5	20.7	31.8	48.6	68.9	98.5
35°	3.1	4.8	6.8	8.6	11.8	17.3	23.1	37.3	59.4	87.2	120.4
32.5°	3.1	4.9	7.2	9.4	13.0	19.2	26.1	43.0	70.6	105.7	143.6
30°	3.1	5.0	7.5	10.2	14.1	21.1	30.8	49.5	82.3	124.5	165.7
27.5°	3.1	5.1	7.8	11.0	15.7	23.0	35.3	58.1	94.3	143.3	186.7
25°	3.1	5.1	8.1	11.9	17.2	24.8	39.8	66.3	106.9	161.2	206.6
22.5°	3.1	5.2	8.4	12.7	18.6	26.8	44.2	73.9	118.5	173.3	228.1
20°	3.1	5.2	8.8	13.6	20.0	28.8	48.4	81.1	129.1	184.6	244.9
17.5°	3.1	5.3	9.1	14.4	21.4	30.7	52.3	87.7	138.7	194.9	260.8
15°	3.1	5.4	9.4	15.3	22.7	32.6	55.8	93.6	147.2	204.3	276.1
12.5°	3.1	5.4	9.8	16.1	23.9	34.3	59.0	98.6	155.3	212.6	290.5
10°	3.1	5.5	10.1	16.9	25.1	36.0	61.9	103.0	163.0	223.0	305.4
7.5°	3.1	5.5	10.4	17.7	26.2	37.6	64.5	106.9	169.9	233.1	322.3
5°	3.1	5.5	10.7	18.5	27.3	39.0	66.7	110.2	175.9	242.4	337.9
2.5°	3.1	5.6	10.9	19.2	28.3	40.4	68.6	112.8	181.0	250.6	351.9
0°	3.1	5.6	11.2	19.9	29.2	41.6	70.2	114.9	185.0	257.7	363.9
-2.5°	3.1	5.8	11.8	20.8	30.5	43.3	72.4	119.1	190.7	265.1	370.2
-5°	3.1	6.1	12.3	21.6	31.7	44.9	74.3	122.6	195.1	271.2	374.4
-7.5°	3.1	6.3	12.9	22.4	32.8	46.4	75.9	125.3	198.4	275.8	376.7
-10°	3.1	6.5	13.4	23.1	33.8	47.7	77.0	127.1	200.3	278.8	377.1
-12.5°	3.1	6.7	13.9	23.7	34.8	48.9	77.8	128.1	201.0	280.0	376.6
-15°	3.1	6.9	14.3	24.3	35.6	49.9	78.2	128.1	199.5	277.8	374.0
-17.5°	3.1	7.1	14.7	24.9	36.4	50.8	78.2	126.8	195.8	273.9	368.5
-20°	3.1	7.3	15.1	25.3	37.0	51.4	77.8	124.4	190.9	268.4	359.9



REPORT NUMBER: P1306020 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.1	7.5	15.4	25.7	37.5	52.0	77.2	121.2	184.7	261.1	348.4
-25°	3.1	7.6	15.7	26.1	38.0	52.4	76.2	117.1	177.3	252.2	337.2
-27.5°	3.1	7.8	16.0	26.4	38.3	52.8	74.7	112.3	168.7	244.8	329.3
-30°	3.1	7.9	16.2	26.6	38.5	53.0	72.7	106.6	161.8	236.5	319.4
-32.5°	3.1	8.0	16.4	26.8	38.8	53.0	70.2	103.0	156.0	226.5	307.3
-35°	3.1	8.1	16.5	26.9	39.0	52.8	69.2	99.9	148.7	214.6	293.2
-37.5°	3.1	8.2	16.6	26.9	39.1	52.6	68.9	96.4	140.1	200.9	277.7
-40°	3.1	8.3	16.6	26.9	39.0	52.6	68.3	92.1	129.9	188.5	260.5
-42.5°	3.1	8.3	16.6	26.9	39.0	52.5	67.5	86.9	122.3	175.3	240.9
-45°	3.1	8.4	16.5	26.9	39.0	52.2	66.4	83.0	115.4	160.3	219.7
-47.5°	3.1	8.4	16.4	26.8	38.8	51.7	65.1	81.4	107.5	143.8	200.7
-50°	3.1	8.4	16.3	26.6	38.6	51.2	64.2	79.5	98.6	133.5	179.8
-52.5°	3.1	8.4	16.1	26.5	38.3	50.5	63.3	77.4	93.9	122.1	157.5
-55°	3.1	8.4	15.9	26.2	37.8	49.8	62.2	75.0	90.9	109.9	142.5
-57.5°	3.1	8.3	15.6	25.9	37.3	49.0	60.9	73.5	87.6	103.9	126.7
-60°	3.1	8.2	15.3	25.5	36.7	48.0	59.5	71.8	84.3	99.6	113.8
-62.5°	3.1	8.2	15.0	25.0	36.0	46.9	58.1	69.8	81.8	94.8	108.0
-65°	3.1	8.1	14.7	24.4	35.1	45.7	56.4	67.6	79.1	90.7	101.8
-67.5°	3.1	8.0	14.4	23.8	34.2	44.3	54.6	65.3	76.2	86.8	96.7
-70°	3.1	7.9	14.0	23.1	33.2	42.9	52.6	62.8	73.3	82.7	91.9
-72.5°	3.1	7.7	13.6	22.5	32.2	41.3	50.6	60.2	70.2	78.8	87.0
-75°	3.1	7.6	13.2	21.9	31.0	39.7	48.5	57.5	66.9	74.8	82.3
-77.5°	3.1	7.4	12.7	21.2	30.0	37.9	46.2	54.6	63.4	70.5	77.4
-80°	3.1	7.3	12.2	20.5	28.9	36.4	43.9	51.7	59.7	65.9	72.1
-82.5°	3.1	7.1	11.6	19.7	27.9	35.0	42.1	48.8	55.8	61.2	66.6
-85°	3.1	6.9	11.1	18.8	26.7	33.5	40.3	46.4	52.6	57.2	61.6
-87.5°	3.1	6.7	10.5	18.0	25.5	32.0	38.5	43.9	49.3	53.5	57.6
-90°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1



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 CATALOG NUMBER: EPH-08-320N-40-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	56.2	59.0	61.5	64.0	66.8	69.5	72.7	75.8	78.9	82.0	84.5
87.5°	2.9	2.8	2.8	2.8	2.7	2.5	2.5	2.5	2.2	1.9	1.9
85°	3.1	3.1	3.1	3.1	2.9	2.7	2.6	2.5	2.3	2.2	2.3
82.5°	3.3	3.4	3.3	3.1	3.1	3.1	2.8	2.6	2.6	2.7	2.6
80°	3.6	3.7	3.5	3.3	3.2	3.1	3.0	3.0	3.1	3.1	2.9
77.5°	3.8	3.7	3.6	3.6	3.5	3.3	3.3	3.4	3.4	3.2	3.1
75°	4.0	3.8	3.8	3.7	3.6	3.6	3.7	3.7	3.6	3.5	3.4
72.5°	4.3	4.1	4.0	3.8	3.8	3.8	3.7	3.7	4.3	5.2	5.8
70°	4.6	4.5	4.4	4.2	4.1	4.1	4.9	6.3	7.8	9.1	10.7
67.5°	5.0	4.9	4.8	4.7	5.0	5.8	6.9	11.0	15.1	16.6	17.4
65°	5.6	5.5	5.4	5.8	6.2	9.3	13.4	18.3	23.4	24.3	23.4
62.5°	6.2	6.9	6.7	7.8	10.6	14.5	19.7	25.2	31.0	29.7	24.8
60°	8.6	9.0	9.9	12.4	15.6	19.9	25.7	28.0	30.5	31.0	24.0
57.5°	11.6	12.9	15.2	17.7	22.0	24.4	25.2	25.2	28.8	29.0	22.0
55°	16.1	18.3	21.8	24.8	27.5	24.9	24.8	27.1	28.4	26.2	19.6
52.5°	23.1	25.5	31.0	33.3	31.8	29.6	29.0	31.0	29.9	26.7	22.7
50°	31.0	37.6	41.2	43.1	39.6	39.2	36.0	37.8	38.9	37.2	38.9
47.5°	43.6	51.6	54.6	57.3	54.4	57.5	54.5	63.4	63.5	85.4	88.0
45°	58.9	69.8	73.3	79.6	84.4	87.2	104.5	105.7	152.1	170.4	209.5
42.5°	76.9	91.1	103.4	106.5	135.8	149.8	174.2	219.1	261.9	298.8	319.7
40°	99.9	115.0	140.9	169.8	203.0	235.7	272.2	324.8	370.1	390.0	400.6
37.5°	125.1	154.2	188.6	236.9	286.3	324.0	367.3	416.8	446.9	457.5	459.9
35°	152.2	194.2	251.8	302.5	355.5	406.0	446.5	493.7	503.9	512.2	558.8
32.5°	185.2	234.1	302.1	359.0	412.6	470.5	511.4	539.3	555.5	586.2	738.0
30°	218.3	275.6	342.9	403.4	465.9	520.9	559.9	587.0	605.5	750.6	1065.8
27.5°	245.5	311.3	378.2	448.5	517.6	572.7	610.2	634.9	742.1	982.7	1467.9
25°	270.1	339.4	413.5	498.3	571.0	622.0	660.4	684.9	924.6	1415.9	1752.4
22.5°	293.3	366.5	453.4	550.9	624.1	667.4	704.4	837.1	1200.2	1854.9	2035.9
20°	315.9	399.1	496.8	595.5	673.9	706.0	744.8	1007.8	1554.6	2023.9	2222.1
17.5°	339.3	432.6	537.6	629.7	699.8	740.4	802.5	1173.4	1853.8	2171.8	2315.2
15°	362.7	464.1	570.9	659.9	725.4	774.1	934.5	1410.5	2039.2	2334.4	2469.4
12.5°	385.7	491.8	596.0	685.8	752.2	806.0	1055.2	1655.7	2206.7	2494.0	2672.8
10°	407.8	515.7	617.4	710.8	778.4	837.0	1177.2	1895.4	2358.0	2598.1	2748.0
7.5°	427.1	535.2	635.9	734.7	802.9	867.4	1311.0	2054.4	2422.3	2664.2	2786.1
5°	443.5	550.6	654.7	761.4	828.4	895.4	1432.5	2159.3	2446.8	2705.0	2825.9
2.5°	457.4	562.9	670.9	786.5	853.4	919.1	1517.6	2225.7	2463.5	2720.6	2865.0
0°	468.8	572.5	684.3	808.5	876.2	940.1	1580.9	2257.8	2468.9	2714.8	2901.7
-2.5°	476.2	586.5	709.1	829.7	894.9	957.7	1578.3	2276.7	2475.7	2746.2	3043.6
-5°	481.1	597.5	729.9	847.6	911.8	973.2	1551.3	2262.9	2490.6	2793.8	3136.4
-7.5°	483.6	604.8	745.9	862.1	927.8	990.6	1518.0	2231.0	2567.1	2891.9	3194.5
-10°	484.4	609.2	749.2	869.0	942.6	1007.7	1463.0	2164.1	2627.5	2932.9	3211.4
-12.5°	487.6	611.2	747.5	871.9	955.2	1023.3	1395.0	2119.8	2708.8	2958.2	3205.3
-15°	487.3	610.5	742.5	871.0	970.6	1044.2	1304.7	2015.2	2758.3	2963.9	3188.8
-17.5°	483.2	607.0	734.8	868.0	985.3	1059.9	1177.3	1800.1	2616.8	2938.7	3169.3
-20°	475.1	599.4	724.1	858.6	993.5	1074.4	1162.1	1611.7	2325.7	2872.3	3132.5



REPORT NUMBER: P1306020 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	463.5	588.2	711.0	842.9	989.6	1090.8	1172.6	1428.5	2038.1	2773.8	3073.0
-25°	449.9	572.6	695.8	834.3	983.8	1106.5	1174.9	1258.2	1788.0	2447.7	2970.4
-27.5°	434.8	553.4	679.1	816.3	974.9	1103.6	1174.0	1252.6	1521.6	2046.5	2806.9
-30°	417.4	531.8	656.0	790.0	943.5	1073.9	1171.2	1236.2	1318.4	1731.9	2380.3
-32.5°	398.1	507.4	628.5	760.3	903.1	1040.7	1155.0	1223.1	1295.2	1436.8	1959.4
-35°	379.1	483.8	598.2	726.0	861.8	995.7	1112.6	1209.3	1269.9	1349.5	1588.0
-37.5°	361.6	457.4	565.0	688.6	820.0	939.8	1066.2	1171.0	1253.9	1311.6	1408.1
-40°	341.2	427.8	531.0	646.7	764.7	878.8	999.0	1116.9	1218.7	1294.7	1352.2
-42.5°	318.3	401.1	494.5	597.2	706.3	814.9	928.5	1045.4	1157.1	1257.3	1328.6
-45°	293.6	371.3	455.3	548.6	645.4	748.9	857.1	967.7	1078.6	1189.1	1277.0
-47.5°	264.9	338.5	418.2	496.7	586.0	681.0	781.7	885.6	988.1	1094.8	1196.0
-50°	235.1	303.1	375.9	448.4	525.8	611.7	703.9	800.9	898.2	996.6	1094.2
-52.5°	208.0	264.6	331.7	399.9	468.4	541.8	625.2	713.7	805.5	898.4	983.7
-55°	179.1	230.0	285.1	349.1	413.3	477.2	545.0	625.1	708.2	794.3	870.9
-57.5°	156.9	195.2	242.7	295.6	355.4	415.9	475.3	535.5	609.7	686.3	750.7
-60°	138.5	166.1	202.5	247.2	294.7	350.6	406.5	462.4	519.9	574.8	634.2
-62.5°	121.6	144.1	169.8	200.9	242.2	285.4	335.0	386.5	439.1	486.4	530.1
-65°	114.3	125.1	144.3	167.7	191.3	228.2	268.0	308.5	354.2	396.0	435.4
-67.5°	106.6	116.6	126.6	138.9	160.2	182.0	203.9	239.7	275.5	307.9	340.0
-70°	100.4	108.1	117.0	126.0	135.2	147.7	167.2	187.5	207.7	230.1	257.3
-72.5°	94.4	101.3	108.4	115.4	123.6	132.2	141.1	150.3	164.3	181.5	197.1
-75°	88.6	94.3	100.7	107.1	113.6	120.2	127.4	135.9	144.3	152.6	160.5
-77.5°	83.0	88.2	93.5	98.9	104.5	110.4	116.8	123.5	130.4	137.2	143.3
-80°	77.1	82.1	86.6	91.2	96.2	101.3	106.6	112.1	118.1	124.5	129.9
-82.5°	70.8	74.9	79.0	83.2	87.8	92.4	96.9	101.5	106.5	111.6	116.1
-85°	64.7	67.6	71.2	74.8	78.9	83.0	86.9	90.7	95.1	99.4	102.9
-87.5°	60.5	63.3	66.1	69.0	72.2	75.5	78.7	81.8	85.5	89.1	91.8
-90°	2.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.2	1.9	1.9



REPORT NUMBER: P1306020 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	86.9	88.8	90.7	91.6	92.5	94.4	96.2	99.0	101.8	104.9	108.0
87.5°	1.9	1.9	1.9	1.9	1.8	1.5	1.2	1.2	1.2	1.2	1.2
85°	2.3	2.3	2.3	2.1	1.9	1.8	1.8	1.8	1.9	1.5	1.2
82.5°	2.5	2.5	2.5	2.4	2.3	2.1	1.9	1.9	1.9	1.9	1.9
80°	2.7	2.6	2.5	2.5	2.5	2.4	2.4	2.2	1.9	2.2	2.4
77.5°	3.1	2.9	2.7	2.7	2.5	2.4	2.1	2.0	1.9	1.9	1.9
75°	3.2	3.3	3.7	3.8	3.7	3.4	2.8	2.8	2.8	2.7	2.5
72.5°	6.4	6.7	6.9	7.4	7.8	8.1	8.8	10.0	11.4	12.7	14.0
70°	12.7	14.5	14.9	14.9	14.9	15.3	15.9	16.7	17.7	18.5	19.2
67.5°	19.5	21.1	21.3	21.7	21.1	20.2	19.4	19.3	20.5	21.8	23.2
65°	23.8	22.3	21.1	20.9	20.5	19.4	17.8	16.6	16.3	16.1	16.1
62.5°	21.4	18.3	17.2	17.0	16.0	14.8	12.7	10.9	10.0	9.5	9.5
60°	18.6	15.0	12.7	11.7	10.2	8.7	7.4	6.0	5.6	5.4	5.5
57.5°	15.3	11.4	8.8	8.4	7.2	5.7	4.7	3.7	3.5	3.5	3.8
55°	14.0	11.9	10.0	9.3	8.0	7.3	6.3	5.0	4.7	5.0	5.5
52.5°	18.2	17.1	16.1	16.2	17.8	16.5	12.3	17.3	20.1	20.1	19.2
50°	39.9	35.9	51.2	49.2	61.5	69.7	63.3	71.1	82.2	90.0	95.5
47.5°	113.8	118.0	136.3	152.2	165.0	179.3	193.9	202.6	204.9	219.4	229.4
45°	229.2	242.9	263.3	273.7	293.8	317.6	334.3	341.8	385.7	440.3	475.6
42.5°	332.7	343.3	359.2	395.6	432.5	514.2	607.8	611.0	695.7	770.6	847.3
40°	405.0	425.0	482.0	568.2	767.4	922.8	1033.4	1141.8	1159.9	1124.7	1143.9
37.5°	498.6	570.0	714.5	947.2	1119.6	1275.7	1338.5	1346.7	1368.6	1382.3	1360.5
35°	675.1	912.8	1032.7	1230.6	1356.0	1386.4	1405.4	1424.2	1442.1	1454.3	1467.7
32.5°	1061.7	1356.1	1372.0	1422.9	1446.3	1473.3	1493.4	1505.1	1513.3	1524.0	1560.4
30°	1477.2	1545.8	1551.5	1547.5	1555.5	1573.6	1586.8	1608.3	1629.7	1654.3	1734.9
27.5°	1671.2	1723.8	1707.4	1679.4	1665.5	1679.9	1715.8	1749.2	1811.4	1876.7	1992.4
25°	1886.0	1920.9	1900.9	1851.1	1819.9	1840.5	1894.4	1958.0	2076.8	2181.6	2394.5
22.5°	2116.0	2180.8	2159.8	2145.0	2079.3	2089.2	2131.7	2275.3	2572.6	3043.1	4020.2
20°	2294.4	2373.5	2383.5	2383.9	2370.0	2374.1	2472.9	2936.1	3805.1	6535.8	8956.5
17.5°	2426.7	2473.0	2528.7	2551.6	2578.7	2657.7	3184.5	4787.2	8539.9	13562.3	17408.2
15°	2598.1	2657.4	2717.8	2755.9	2817.2	3251.7	4598.8	9521.1	16345.2	24869.5	35765.1
12.5°	2735.3	2808.5	2856.3	2886.6	3027.7	4170.8	8857.9	15944.0	26591.2	39818.8	59441.4
10°	2811.3	2868.3	2933.6	3038.5	3613.8	6049.9	12491.5	22405.4	38772.4	62598.7	88734.2
7.5°	2849.1	2922.9	3032.1	3191.4	4277.2	8831.7	17377.9	31625.2	53980.3	83648.7	120064.5
5°	2893.0	3029.5	3159.5	3342.0	4792.4	10840.3	21262.3	39488.7	67239.9	103533.4	148507.2
2.5°	2964.1	3169.3	3253.1	3428.4	5102.8	12133.4	23578.5	45639.0	77141.1	119760.0	170253.8
0°	3076.2	3246.9	3297.2	3473.6	5415.3	12772.9	24939.1	47325.5	81551.6	126079.1	178818.7
-2.5°	3202.9	3309.5	3365.2	3561.8	5572.2	13425.3	26009.6	48458.7	80501.2	123974.1	175600.9
-5°	3285.4	3370.1	3424.1	3616.2	5555.0	12772.9	24813.5	45127.0	74360.2	113243.1	159401.2
-7.5°	3341.6	3429.8	3486.4	3662.4	5226.6	11038.4	21916.5	38898.9	63193.4	95082.4	134951.3
-10°	3396.6	3492.9	3566.9	3706.0	4625.9	8426.6	17202.0	29346.4	49421.2	74793.8	104602.6
-12.5°	3446.1	3565.1	3660.4	3724.4	4061.7	6409.4	12641.4	22446.8	35572.9	54513.2	76326.4
-15°	3471.2	3613.5	3720.2	3790.8	3986.3	5068.0	8185.9	14853.4	24835.5	36583.8	50777.7
-17.5°	3428.0	3640.2	3742.9	3820.6	3884.9	4162.9	5774.3	9117.5	15352.3	23048.3	29982.0
-20°	3359.3	3643.2	3759.5	3864.1	3937.2	4012.9	4218.2	5806.4	8342.8	13064.3	17685.5



REPORT NUMBER: P1306020 (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°	3301.2	3565.2	3807.9	3920.9	4005.0	4010.6	4016.9	4208.1	5198.5	6789.2	9233.9
-25°	3261.0	3510.7	3793.1	3968.2	4026.5	4028.6	3996.8	3961.3	4073.6	4186.4	5079.7
-27.5°	3192.8	3463.8	3729.2	3942.8	4029.1	4026.1	4002.0	3978.3	3939.4	3914.0	4010.4
-30°	3109.5	3381.7	3628.8	3843.6	3971.6	4010.9	3994.5	3976.8	3964.8	3956.3	3939.1
-32.5°	2665.3	3280.9	3489.1	3684.0	3866.6	3946.7	3982.3	3974.0	3963.2	3958.6	3961.6
-35°	2177.1	2812.7	3353.2	3492.1	3650.7	3809.8	3922.1	3947.5	3958.8	3956.8	3961.8
-37.5°	1669.3	2241.9	2773.0	3216.9	3407.7	3573.3	3736.5	3844.6	3909.5	3920.8	3936.0
-40°	1438.7	1600.6	2103.7	2549.9	2921.1	3262.8	3435.7	3622.6	3768.4	3827.1	3857.9
-42.5°	1377.7	1442.1	1508.1	1835.4	2219.7	2545.5	2868.2	3189.0	3455.3	3605.9	3703.9
-45°	1351.2	1387.1	1425.2	1477.8	1525.0	1800.2	2096.5	2409.2	2759.1	3020.5	3263.9
-47.5°	1273.8	1346.0	1382.5	1404.8	1421.4	1457.8	1490.2	1578.3	1869.6	2098.6	2352.6
-50°	1171.5	1244.9	1304.5	1357.4	1375.5	1383.9	1393.6	1422.9	1469.4	1503.2	1554.4
-52.5°	1053.0	1122.0	1188.3	1245.0	1285.5	1320.4	1353.6	1376.7	1395.6	1415.1	1433.6
-55°	939.8	998.5	1055.4	1108.6	1156.9	1197.1	1236.7	1274.4	1309.7	1343.0	1374.0
-57.5°	815.6	874.2	926.6	974.3	1015.4	1049.0	1088.1	1129.6	1168.5	1203.0	1236.7
-60°	690.3	743.6	793.6	838.8	876.5	906.1	944.1	981.3	1016.9	1049.1	1077.3
-62.5°	572.5	618.0	661.1	700.9	736.6	768.4	800.3	832.2	865.8	895.9	922.5
-65°	472.8	509.2	539.8	568.2	592.2	621.0	651.6	680.2	709.8	737.7	763.1
-67.5°	372.8	403.6	429.3	453.9	473.9	494.1	516.9	538.7	559.6	581.2	602.4
-70°	281.3	303.0	319.2	336.1	355.8	374.3	392.6	411.1	428.5	447.5	467.1
-72.5°	210.0	220.5	231.2	244.9	256.6	270.0	283.2	297.3	311.7	325.5	338.4
-75°	168.1	174.8	182.8	189.5	194.6	201.1	208.4	217.3	226.3	235.2	243.7
-77.5°	149.5	154.1	157.8	160.7	163.2	166.5	169.9	176.1	182.8	190.3	197.9
-80°	135.2	138.1	140.7	142.8	144.6	147.4	150.2	155.6	161.4	167.0	172.4
-82.5°	120.6	123.1	125.2	127.0	128.7	131.3	133.9	138.3	142.7	148.1	153.6
-85°	106.4	108.6	110.7	112.3	113.9	115.9	118.0	122.0	126.1	130.5	134.8
-87.5°	94.5	96.4	98.2	99.6	100.9	102.7	104.4	107.6	110.8	114.3	117.8
-90°	1.9	1.9	1.9	1.6	1.2	1.2	1.2	1.2	1.2	0.9	0.6



REPORT NUMBER: P1306020 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	108.4	108.7	108.7	108.7	108.7	108.7	108.4	108.0	104.9	101.8	99.0
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.9	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	2.5	2.5	2.5	2.5	2.5	2.4	2.2	1.9	2.2
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0
75°	2.2	1.9	1.9	1.9	1.9	1.9	2.2	2.5	2.7	2.8	2.8
72.5°	15.2	16.3	17.0	17.4	17.0	16.3	15.2	14.0	12.7	11.4	10.0
70°	19.6	19.8	19.9	19.9	19.9	19.8	19.6	19.2	18.5	17.7	16.7
67.5°	24.1	24.6	24.8	24.8	24.8	24.6	24.1	23.2	21.8	20.5	19.3
65°	15.4	14.3	13.2	12.4	13.2	14.3	15.4	16.1	16.1	16.3	16.6
62.5°	9.3	8.9	8.8	8.7	8.8	8.9	9.3	9.5	9.5	10.0	10.9
60°	5.6	5.7	5.4	5.0	5.4	5.7	5.6	5.5	5.4	5.6	6.0
57.5°	4.0	4.3	4.6	5.0	4.6	4.3	4.0	3.8	3.5	3.5	3.7
55°	6.0	6.5	7.0	7.5	7.0	6.5	6.0	5.5	5.0	4.7	5.0
52.5°	17.4	15.6	15.0	15.5	15.0	15.6	17.4	19.2	20.1	20.1	17.3
50°	98.3	100.3	102.7	105.6	102.7	100.3	98.3	95.5	90.0	82.2	71.1
47.5°	232.2	227.8	223.7	222.3	223.7	227.8	232.2	229.4	219.4	204.9	202.6
45°	440.2	407.8	391.3	401.1	391.3	407.8	440.2	475.6	440.3	385.7	341.8
42.5°	888.4	936.4	973.9	991.7	973.9	936.4	888.4	847.3	770.6	695.7	611.0
40°	1113.9	1095.8	1105.5	1120.2	1105.5	1095.8	1113.9	1143.9	1124.7	1159.9	1141.8
37.5°	1371.2	1377.2	1333.8	1263.0	1333.8	1377.2	1371.2	1360.5	1382.3	1368.6	1346.7
35°	1496.0	1573.2	1717.6	1752.3	1717.6	1573.2	1496.0	1467.7	1454.3	1442.1	1424.2
32.5°	1652.3	1732.4	1756.9	1766.6	1756.9	1732.4	1652.3	1560.4	1524.0	1513.3	1505.1
30°	1839.0	1875.2	1866.1	1879.6	1866.1	1875.2	1839.0	1734.9	1654.3	1629.7	1608.3
27.5°	2043.6	2064.8	2057.8	2075.8	2057.8	2064.8	2043.6	1992.4	1876.7	1811.4	1749.2
25°	2571.7	2738.5	2729.8	2768.8	2729.8	2738.5	2571.7	2394.5	2181.6	2076.8	1958.0
22.5°	5209.6	5799.4	6152.6	6494.5	6152.6	5799.4	5209.6	4020.2	3043.1	2572.6	2275.3
20°	11640.0	13339.9	13709.9	13575.2	13709.9	13339.9	11640.0	8956.5	6535.8	3805.1	2936.1
17.5°	24985.7	31768.2	35410.0	35815.0	35410.0	31768.2	24985.7	17408.2	13562.3	8539.9	4787.2
15°	47021.6	58875.8	65606.4	66313.5	65606.4	58875.8	47021.6	35765.1	24869.5	16345.2	9521.1
12.5°	76868.9	95746.8	109605.4	111151.6	109605.4	95746.8	76868.9	59441.4	39818.8	26591.2	15944.0
10°	117752.8	143275.6	163458.2	168375.0	163458.2	143275.6	117752.8	88734.2	62598.7	38772.4	22405.4
7.5°	158559.0	187685.9	211439.4	217028.2	211439.4	187685.9	158559.0	120064.5	83648.7	53980.3	31625.2
5°	190458.7	227725.8	246681.5	252944.4	246681.5	227725.8	190458.7	148507.2	103533.4	67239.9	39488.7
2.5°	214774.1	249963.2	272216.6	281346.9	272216.6	249963.2	214774.1	170253.8	119760.0	77141.1	45639.0
0°	224160.3	258293.8	286632.4	304254.5	286632.4	258293.8	224160.3	178818.7	126079.1	81551.6	47325.5
-2.5°	220481.1	253345.7	277430.1	288861.3	277430.1	253345.7	220481.1	175600.9	123974.1	80501.2	48458.7
-5°	201881.1	235047.5	253668.9	259567.4	253668.9	235047.5	201881.1	159401.2	113243.1	74360.2	45127.0
-7.5°	170711.8	199905.7	221985.6	225943.4	221985.6	199905.7	170711.8	134951.3	95082.4	63193.4	38898.9
-10°	135299.5	160571.8	177415.9	180602.1	177415.9	160571.8	135299.5	104602.6	74793.8	49421.2	29346.4
-12.5°	95907.2	118106.2	131423.7	133881.0	131423.7	118106.2	95907.2	76326.4	54513.2	35572.9	22446.8
-15°	65173.7	79001.1	87072.7	87887.7	87072.7	79001.1	65173.7	50777.7	36583.8	24835.5	14853.4
-17.5°	40779.2	49004.1	54034.8	54081.5	54034.8	49004.1	40779.2	29982.0	23048.3	15352.3	9117.5
-20°	23608.8	27533.6	30348.2	30336.4	30348.2	27533.6	23608.8	17685.5	13064.3	8342.8	5806.4



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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°	12300.5	14633.2	16330.3	16252.7	16330.3	14633.2	12300.5	9233.9	6789.2	5198.5	4208.1
-25°	6040.1	6933.1	7527.6	7481.2	7527.6	6933.1	6040.1	5079.7	4186.4	4073.6	3961.3
-27.5°	4093.3	4191.6	4259.5	4266.5	4259.5	4191.6	4093.3	4010.4	3914.0	3939.4	3978.3
-30°	3932.4	3954.8	3978.6	3984.6	3978.6	3954.8	3932.4	3939.1	3956.3	3964.8	3976.8
-32.5°	3971.3	3988.8	4014.8	4031.2	4014.8	3988.8	3971.3	3961.6	3958.6	3963.2	3974.0
-35°	3974.1	3994.5	4024.5	4038.0	4024.5	3994.5	3974.1	3961.8	3956.8	3958.8	3947.5
-37.5°	3955.6	3980.5	4006.4	4018.2	4006.4	3980.5	3955.6	3936.0	3920.8	3909.5	3844.6
-40°	3885.4	3910.9	3929.7	3931.2	3929.7	3910.9	3885.4	3857.9	3827.1	3768.4	3622.6
-42.5°	3769.2	3800.7	3815.2	3812.6	3815.2	3800.7	3769.2	3703.9	3605.9	3455.3	3189.0
-45°	3494.9	3606.5	3661.4	3674.8	3661.4	3606.5	3494.9	3263.9	3020.5	2759.1	2409.2
-47.5°	2647.1	2810.8	2915.8	2957.6	2915.8	2810.8	2647.1	2352.6	2098.6	1869.6	1578.3
-50°	1621.3	1636.5	1646.5	1651.7	1646.5	1636.5	1621.3	1554.4	1503.2	1469.4	1422.9
-52.5°	1449.1	1453.4	1455.7	1456.1	1455.7	1453.4	1449.1	1433.6	1415.1	1395.6	1376.7
-55°	1396.4	1405.1	1410.6	1412.0	1410.6	1405.1	1396.4	1374.0	1343.0	1309.7	1274.4
-57.5°	1258.9	1263.9	1269.5	1272.9	1269.5	1263.9	1258.9	1236.7	1203.0	1168.5	1129.6
-60°	1094.2	1098.8	1099.7	1096.6	1099.7	1098.8	1094.2	1077.3	1049.1	1016.9	981.3
-62.5°	937.0	941.2	945.4	946.9	945.4	941.2	937.0	922.5	895.9	865.8	832.2
-65°	774.9	777.0	778.0	776.2	778.0	777.0	774.9	763.1	737.7	709.8	680.2
-67.5°	612.4	616.6	622.5	626.5	622.5	616.6	612.4	602.4	581.2	559.6	538.7
-70°	471.7	469.8	473.8	476.9	473.8	469.8	471.7	467.1	447.5	428.5	411.1
-72.5°	340.1	338.1	336.7	334.1	336.7	338.1	340.1	338.4	325.5	311.7	297.3
-75°	243.2	240.7	240.4	239.7	240.4	240.7	243.2	243.7	235.2	226.3	217.3
-77.5°	198.0	197.1	195.9	194.4	195.9	197.1	198.0	197.9	190.3	182.8	176.1
-80°	172.9	172.9	172.2	171.4	172.2	172.9	172.9	172.4	167.0	161.4	155.6
-82.5°	153.8	153.8	153.4	152.8	153.4	153.8	153.8	153.6	148.1	142.7	138.3
-85°	135.1	135.3	134.7	134.1	134.7	135.3	135.1	134.8	130.5	126.1	122.0
-87.5°	118.2	118.6	118.3	118.0	118.3	118.6	118.2	117.8	114.3	110.8	107.6
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	96.2	94.4	92.5	91.6	90.7	88.8	86.9	84.5	82.0	78.9	75.8
87.5°	1.2	1.5	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.2	2.5
85°	1.8	1.8	1.9	2.1	2.3	2.3	2.3	2.3	2.2	2.3	2.5
82.5°	1.9	2.1	2.3	2.4	2.5	2.5	2.5	2.6	2.7	2.6	2.6
80°	2.4	2.4	2.5	2.5	2.5	2.6	2.7	2.9	3.1	3.1	3.0
77.5°	2.1	2.4	2.5	2.7	2.7	2.9	3.1	3.1	3.2	3.4	3.4
75°	2.8	3.4	3.7	3.8	3.7	3.3	3.2	3.4	3.5	3.6	3.7
72.5°	8.8	8.1	7.8	7.4	6.9	6.7	6.4	5.8	5.2	4.3	3.7
70°	15.9	15.3	14.9	14.9	14.9	14.5	12.7	10.7	9.1	7.8	6.3
67.5°	19.4	20.2	21.1	21.7	21.3	21.1	19.5	17.4	16.6	15.1	11.0
65°	17.8	19.4	20.5	20.9	21.1	22.3	23.8	23.4	24.3	23.4	18.3
62.5°	12.7	14.8	16.0	17.0	17.2	18.3	21.4	24.8	29.7	31.0	25.2
60°	7.4	8.7	10.2	11.7	12.7	15.0	18.6	24.0	31.0	30.5	28.0
57.5°	4.7	5.7	7.2	8.4	8.8	11.4	15.3	22.0	29.0	28.8	25.2
55°	6.3	7.3	8.0	9.3	10.0	11.9	14.0	19.6	26.2	28.4	27.1
52.5°	12.3	16.5	17.8	16.2	16.1	17.1	18.2	22.7	26.7	29.9	31.0
50°	63.3	69.7	61.5	49.2	51.2	35.9	39.9	38.9	37.2	38.9	37.8
47.5°	193.9	179.3	165.0	152.2	136.3	118.0	113.8	88.0	85.4	63.5	63.4
45°	334.3	317.6	293.8	273.7	263.3	242.9	229.2	209.5	170.4	152.1	105.7
42.5°	607.8	514.2	432.5	395.6	359.2	343.3	332.7	319.7	298.8	261.9	219.1
40°	1033.4	922.8	767.4	568.2	482.0	425.0	405.0	400.6	390.0	370.1	324.8
37.5°	1338.5	1275.7	1119.6	947.2	714.5	570.0	498.6	459.9	457.5	446.9	416.8
35°	1405.4	1386.4	1356.0	1230.6	1032.7	912.8	675.1	558.8	512.2	503.9	493.7
32.5°	1493.4	1473.3	1446.3	1422.9	1372.0	1356.1	1061.7	738.0	586.2	555.5	539.3
30°	1586.8	1573.6	1555.5	1547.5	1551.5	1545.8	1477.2	1065.8	750.6	605.5	587.0
27.5°	1715.8	1679.9	1665.5	1679.4	1707.4	1723.8	1671.2	1467.9	982.7	742.1	634.9
25°	1894.4	1840.5	1819.9	1851.1	1900.9	1920.9	1886.0	1752.4	1415.9	924.6	684.9
22.5°	2131.7	2089.2	2079.3	2145.0	2159.8	2180.8	2116.0	2035.9	1854.9	1200.2	837.1
20°	2472.9	2374.1	2370.0	2383.9	2383.5	2373.5	2294.4	2222.1	2023.9	1554.6	1007.8
17.5°	3184.5	2657.7	2578.7	2551.6	2528.7	2473.0	2426.7	2315.2	2171.8	1853.8	1173.4
15°	4598.8	3251.7	2817.2	2755.9	2717.8	2657.4	2598.1	2469.4	2334.4	2039.2	1410.5
12.5°	8857.9	4170.8	3027.7	2886.6	2856.3	2808.5	2735.3	2672.8	2494.0	2206.7	1655.7
10°	12491.5	6049.9	3613.8	3038.5	2933.6	2868.3	2811.3	2748.0	2598.1	2358.0	1895.4
7.5°	17377.9	8831.7	4277.2	3191.4	3032.1	2922.9	2849.1	2786.1	2664.2	2422.3	2054.4
5°	21262.3	10840.3	4792.4	3342.0	3159.5	3029.5	2893.0	2825.9	2705.0	2446.8	2159.3
2.5°	23578.5	12133.4	5102.8	3428.4	3253.1	3169.3	2964.1	2865.0	2720.6	2463.5	2225.7
0°	24939.1	12772.9	5415.3	3473.6	3297.2	3246.9	3076.2	2901.7	2714.8	2468.9	2257.8
-2.5°	26009.6	13425.3	5572.2	3561.8	3365.2	3309.5	3202.9	3043.6	2746.2	2475.7	2276.7
-5°	24813.5	12772.9	5555.0	3616.2	3424.1	3370.1	3285.4	3136.4	2793.8	2490.6	2262.9
-7.5°	21916.5	11038.4	5226.6	3662.4	3486.4	3429.8	3341.6	3194.5	2891.9	2567.1	2231.0
-10°	17202.0	8426.6	4625.9	3706.0	3566.9	3492.9	3396.6	3211.4	2932.9	2627.5	2164.1
-12.5°	12641.4	6409.4	4061.7	3724.4	3660.4	3565.1	3446.1	3205.3	2958.2	2708.8	2119.8
-15°	8185.9	5068.0	3986.3	3790.8	3720.2	3613.5	3471.2	3188.8	2963.9	2758.3	2015.2
-17.5°	5774.3	4162.9	3884.9	3820.6	3742.9	3640.2	3428.0	3169.3	2938.7	2616.8	1800.1
-20°	4218.2	4012.9	3937.2	3864.1	3759.5	3643.2	3359.3	3132.5	2872.3	2325.7	1611.7



REPORT NUMBER: P1306020 (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°	4016.9	4010.6	4005.0	3920.9	3807.9	3565.2	3301.2	3073.0	2773.8	2038.1	1428.5
-25°	3996.8	4028.6	4026.5	3968.2	3793.1	3510.7	3261.0	2970.4	2447.7	1788.0	1258.2
-27.5°	4002.0	4026.1	4029.1	3942.8	3729.2	3463.8	3192.8	2806.9	2046.5	1521.6	1252.6
-30°	3994.5	4010.9	3971.6	3843.6	3628.8	3381.7	3109.5	2380.3	1731.9	1318.4	1236.2
-32.5°	3982.3	3946.7	3866.6	3684.0	3489.1	3280.9	2665.3	1959.4	1436.8	1295.2	1223.1
-35°	3922.1	3809.8	3650.7	3492.1	3353.2	2812.7	2177.1	1588.0	1349.5	1269.9	1209.3
-37.5°	3736.5	3573.3	3407.7	3216.9	2773.0	2241.9	1669.3	1408.1	1311.6	1253.9	1171.0
-40°	3435.7	3262.8	2921.1	2549.9	2103.7	1600.6	1438.7	1352.2	1294.7	1218.7	1116.9
-42.5°	2868.2	2545.5	2219.7	1835.4	1508.1	1442.1	1377.7	1328.6	1257.3	1157.1	1045.4
-45°	2096.5	1800.2	1525.0	1477.8	1425.2	1387.1	1351.2	1277.0	1189.1	1078.6	967.7
-47.5°	1490.2	1457.8	1421.4	1404.8	1382.5	1346.0	1273.8	1196.0	1094.8	988.1	885.6
-50°	1393.6	1383.9	1375.5	1357.4	1304.5	1244.9	1171.5	1094.2	996.6	898.2	800.9
-52.5°	1353.6	1320.4	1285.5	1245.0	1188.3	1122.0	1053.0	983.7	898.4	805.5	713.7
-55°	1236.7	1197.1	1156.9	1108.6	1055.4	998.5	939.8	870.9	794.3	708.2	625.1
-57.5°	1088.1	1049.0	1015.4	974.3	926.6	874.2	815.6	750.7	686.3	609.7	535.5
-60°	944.1	906.1	876.5	838.8	793.6	743.6	690.3	634.2	574.8	519.9	462.4
-62.5°	800.3	768.4	736.6	700.9	661.1	618.0	572.5	530.1	486.4	439.1	386.5
-65°	651.6	621.0	592.2	568.2	539.8	509.2	472.8	435.4	396.0	354.2	308.5
-67.5°	516.9	494.1	473.9	453.9	429.3	403.6	372.8	340.0	307.9	275.5	239.7
-70°	392.6	374.3	355.8	336.1	319.2	303.0	281.3	257.3	230.1	207.7	187.5
-72.5°	283.2	270.0	256.6	244.9	231.2	220.5	210.0	197.1	181.5	164.3	150.3
-75°	208.4	201.1	194.6	189.5	182.8	174.8	168.1	160.5	152.6	144.3	135.9
-77.5°	169.9	166.5	163.2	160.7	157.8	154.1	149.5	143.3	137.2	130.4	123.5
-80°	150.2	147.4	144.6	142.8	140.7	138.1	135.2	129.9	124.5	118.1	112.1
-82.5°	133.9	131.3	128.7	127.0	125.2	123.1	120.6	116.1	111.6	106.5	101.5
-85°	118.0	115.9	113.9	112.3	110.7	108.6	106.4	102.9	99.4	95.1	90.7
-87.5°	104.4	102.7	100.9	99.6	98.2	96.4	94.5	91.8	89.1	85.5	81.8
-90°	1.2	1.2	1.2	1.6	1.9	1.9	1.9	1.9	1.9	2.2	2.5



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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°	72.7	69.5	66.8	64.0	61.5	59.0	56.2	53.4	49.7	46.0	41.3
87.5°	2.5	2.5	2.7	2.8	2.8	2.8	2.9	3.1	3.1	3.1	3.2
85°	2.6	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.3
82.5°	2.8	3.1	3.1	3.1	3.3	3.4	3.3	3.3	3.2	3.1	3.4
80°	3.0	3.1	3.2	3.3	3.5	3.7	3.6	3.5	3.6	3.6	3.6
77.5°	3.3	3.3	3.5	3.6	3.6	3.7	3.8	3.8	4.0	4.0	3.9
75°	3.7	3.6	3.6	3.7	3.8	3.8	4.0	4.1	4.3	4.3	4.1
72.5°	3.7	3.8	3.8	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.4
70°	4.9	4.1	4.1	4.2	4.4	4.5	4.6	4.8	4.8	4.9	4.7
67.5°	6.9	5.8	5.0	4.7	4.8	4.9	5.0	5.2	5.3	5.2	5.0
65°	13.4	9.3	6.2	5.8	5.4	5.5	5.6	5.7	5.7	5.8	5.4
62.5°	19.7	14.5	10.6	7.8	6.7	6.9	6.2	6.7	6.4	6.5	6.1
60°	25.7	19.9	15.6	12.4	9.9	9.0	8.6	7.8	7.7	7.3	6.9
57.5°	25.2	24.4	22.0	17.7	15.2	12.9	11.6	10.4	9.2	8.8	7.9
55°	24.8	24.9	27.5	24.8	21.8	18.3	16.1	13.9	11.5	10.6	9.1
52.5°	29.0	29.6	31.8	33.3	31.0	25.5	23.1	17.8	15.8	12.6	11.0
50°	36.0	39.2	39.6	43.1	41.2	37.6	31.0	25.5	20.5	15.4	13.1
47.5°	54.5	57.5	54.4	57.3	54.6	51.6	43.6	34.7	25.6	20.2	15.3
45°	104.5	87.2	84.4	79.6	73.3	69.8	58.9	44.7	34.8	25.5	17.5
42.5°	174.2	149.8	135.8	106.5	103.4	91.1	76.9	60.8	44.7	31.1	21.4
40°	272.2	235.7	203.0	169.8	140.9	115.0	99.9	79.0	55.3	38.3	26.5
37.5°	367.3	324.0	286.3	236.9	188.6	154.2	125.1	98.5	68.9	48.6	31.8
35°	446.5	406.0	355.5	302.5	251.8	194.2	152.2	120.4	87.2	59.4	37.3
32.5°	511.4	470.5	412.6	359.0	302.1	234.1	185.2	143.6	105.7	70.6	43.0
30°	559.9	520.9	465.9	403.4	342.9	275.6	218.3	165.7	124.5	82.3	49.5
27.5°	610.2	572.7	517.6	448.5	378.2	311.3	245.5	186.7	143.3	94.3	58.1
25°	660.4	622.0	571.0	498.3	413.5	339.4	270.1	206.6	161.2	106.9	66.3
22.5°	704.4	667.4	624.1	550.9	453.4	366.5	293.3	228.1	173.3	118.5	73.9
20°	744.8	706.0	673.9	595.5	496.8	399.1	315.9	244.9	184.6	129.1	81.1
17.5°	802.5	740.4	699.8	629.7	537.6	432.6	339.3	260.8	194.9	138.7	87.7
15°	934.5	774.1	725.4	659.9	570.9	464.1	362.7	276.1	204.3	147.2	93.6
12.5°	1055.2	806.0	752.2	685.8	596.0	491.8	385.7	290.5	212.6	155.3	98.6
10°	1177.2	837.0	778.4	710.8	617.4	515.7	407.8	305.4	223.0	163.0	103.0
7.5°	1311.0	867.4	802.9	734.7	635.9	535.2	427.1	322.3	233.1	169.9	106.9
5°	1432.5	895.4	828.4	761.4	654.7	550.6	443.5	337.9	242.4	175.9	110.2
2.5°	1517.6	919.1	853.4	786.5	670.9	562.9	457.4	351.9	250.6	181.0	112.8
0°	1580.9	940.1	876.2	808.5	684.3	572.5	468.8	363.9	257.7	185.0	114.9
-2.5°	1578.3	957.7	894.9	829.7	709.1	586.5	476.2	370.2	265.1	190.7	119.1
-5°	1551.3	973.2	911.8	847.6	729.9	597.5	481.1	374.4	271.2	195.1	122.6
-7.5°	1518.0	990.6	927.8	862.1	745.9	604.8	483.6	376.7	275.8	198.4	125.3
-10°	1463.0	1007.7	942.6	869.0	749.2	609.2	484.4	377.1	278.8	200.3	127.1
-12.5°	1395.0	1023.3	955.2	871.9	747.5	611.2	487.6	376.6	280.0	201.0	128.1
-15°	1304.7	1044.2	970.6	871.0	742.5	610.5	487.3	374.0	277.8	199.5	128.1
-17.5°	1177.3	1059.9	985.3	868.0	734.8	607.0	483.2	368.5	273.9	195.8	126.8
-20°	1162.1	1074.4	993.5	858.6	724.1	599.4	475.1	359.9	268.4	190.9	124.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1172.6	1090.8	989.6	842.9	711.0	588.2	463.5	348.4	261.1	184.7	121.2
-25°	1174.9	1106.5	983.8	834.3	695.8	572.6	449.9	337.2	252.2	177.3	117.1
-27.5°	1174.0	1103.6	974.9	816.3	679.1	553.4	434.8	329.3	244.8	168.7	112.3
-30°	1171.2	1073.9	943.5	790.0	656.0	531.8	417.4	319.4	236.5	161.8	106.6
-32.5°	1155.0	1040.7	903.1	760.3	628.5	507.4	398.1	307.3	226.5	156.0	103.0
-35°	1112.6	995.7	861.8	726.0	598.2	483.8	379.1	293.2	214.6	148.7	99.9
-37.5°	1066.2	939.8	820.0	688.6	565.0	457.4	361.6	277.7	200.9	140.1	96.4
-40°	999.0	878.8	764.7	646.7	531.0	427.8	341.2	260.5	188.5	129.9	92.1
-42.5°	928.5	814.9	706.3	597.2	494.5	401.1	318.3	240.9	175.3	122.3	86.9
-45°	857.1	748.9	645.4	548.6	455.3	371.3	293.6	219.7	160.3	115.4	83.0
-47.5°	781.7	681.0	586.0	496.7	418.2	338.5	264.9	200.7	143.8	107.5	81.4
-50°	703.9	611.7	525.8	448.4	375.9	303.1	235.1	179.8	133.5	98.6	79.5
-52.5°	625.2	541.8	468.4	399.9	331.7	264.6	208.0	157.5	122.1	93.9	77.4
-55°	545.0	477.2	413.3	349.1	285.1	230.0	179.1	142.5	109.9	90.9	75.0
-57.5°	475.3	415.9	355.4	295.6	242.7	195.2	156.9	126.7	103.9	87.6	73.5
-60°	406.5	350.6	294.7	247.2	202.5	166.1	138.5	113.8	99.6	84.3	71.8
-62.5°	335.0	285.4	242.2	200.9	169.8	144.1	121.6	108.0	94.8	81.8	69.8
-65°	268.0	228.2	191.3	167.7	144.3	125.1	114.3	101.8	90.7	79.1	67.6
-67.5°	203.9	182.0	160.2	138.9	126.6	116.6	106.6	96.7	86.8	76.2	65.3
-70°	167.2	147.7	135.2	126.0	117.0	108.1	100.4	91.9	82.7	73.3	62.8
-72.5°	141.1	132.2	123.6	115.4	108.4	101.3	94.4	87.0	78.8	70.2	60.2
-75°	127.4	120.2	113.6	107.1	100.7	94.3	88.6	82.3	74.8	66.9	57.5
-77.5°	116.8	110.4	104.5	98.9	93.5	88.2	83.0	77.4	70.5	63.4	54.6
-80°	106.6	101.3	96.2	91.2	86.6	82.1	77.1	72.1	65.9	59.7	51.7
-82.5°	96.9	92.4	87.8	83.2	79.0	74.9	70.8	66.6	61.2	55.8	48.8
-85°	86.9	83.0	78.9	74.8	71.2	67.6	64.7	61.6	57.2	52.6	46.4
-87.5°	78.7	75.5	72.2	69.0	66.1	63.3	60.5	57.6	53.5	49.3	43.9
-90°	2.5	2.5	2.5	2.5	2.5	2.5	2.8	3.1	3.1	3.1	3.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	36.6	30.4	24.2	17.0	9.9	6.5	3.1
87.5°	3.3	3.2	3.2	3.2	3.2	3.2	3.1
85°	3.4	3.4	3.3	3.3	3.3	3.3	3.1
82.5°	3.6	3.5	3.4	3.5	3.4	3.3	3.1
80°	3.7	3.6	3.5	3.6	3.5	3.4	3.1
77.5°	3.9	3.8	3.6	3.7	3.6	3.5	3.1
75°	4.1	4.0	3.8	3.8	3.7	3.6	3.1
72.5°	4.2	4.2	4.0	3.9	3.9	3.7	3.1
70°	4.5	4.4	4.2	4.1	4.0	3.7	3.1
67.5°	4.8	4.7	4.5	4.3	4.1	3.8	3.1
65°	5.2	5.0	4.7	4.4	4.2	3.9	3.1
62.5°	5.6	5.3	4.9	4.6	4.3	4.0	3.1
60°	6.0	5.7	5.1	4.8	4.5	4.1	3.1
57.5°	7.0	6.1	5.5	4.9	4.6	4.1	3.1
55°	8.2	6.5	6.0	5.1	4.8	4.2	3.1
52.5°	9.4	7.0	6.4	5.3	5.0	4.3	3.1
50°	10.7	8.3	6.9	5.4	5.3	4.4	3.1
47.5°	12.2	9.7	7.5	5.6	5.5	4.5	3.1
45°	14.2	11.1	8.0	6.1	5.7	4.5	3.1
42.5°	16.2	12.5	8.6	6.5	6.0	4.6	3.1
40°	18.4	14.0	9.5	7.1	6.3	4.7	3.1
37.5°	20.7	15.5	10.6	7.8	6.6	4.8	3.1
35°	23.1	17.3	11.8	8.6	6.8	4.8	3.1
32.5°	26.1	19.2	13.0	9.4	7.2	4.9	3.1
30°	30.8	21.1	14.1	10.2	7.5	5.0	3.1
27.5°	35.3	23.0	15.7	11.0	7.8	5.1	3.1
25°	39.8	24.8	17.2	11.9	8.1	5.1	3.1
22.5°	44.2	26.8	18.6	12.7	8.4	5.2	3.1
20°	48.4	28.8	20.0	13.6	8.8	5.2	3.1
17.5°	52.3	30.7	21.4	14.4	9.1	5.3	3.1
15°	55.8	32.6	22.7	15.3	9.4	5.4	3.1
12.5°	59.0	34.3	23.9	16.1	9.8	5.4	3.1
10°	61.9	36.0	25.1	16.9	10.1	5.5	3.1
7.5°	64.5	37.6	26.2	17.7	10.4	5.5	3.1
5°	66.7	39.0	27.3	18.5	10.7	5.5	3.1
2.5°	68.6	40.4	28.3	19.2	10.9	5.6	3.1
0°	70.2	41.6	29.2	19.9	11.2	5.6	3.1
-2.5°	72.4	43.3	30.5	20.8	11.8	5.8	3.1
-5°	74.3	44.9	31.7	21.6	12.3	6.1	3.1
-7.5°	75.9	46.4	32.8	22.4	12.9	6.3	3.1
-10°	77.0	47.7	33.8	23.1	13.4	6.5	3.1
-12.5°	77.8	48.9	34.8	23.7	13.9	6.7	3.1
-15°	78.2	49.9	35.6	24.3	14.3	6.9	3.1
-17.5°	78.2	50.8	36.4	24.9	14.7	7.1	3.1
-20°	77.8	51.4	37.0	25.3	15.1	7.3	3.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	77.2	52.0	37.5	25.7	15.4	7.5	3.1
-25°	76.2	52.4	38.0	26.1	15.7	7.6	3.1
-27.5°	74.7	52.8	38.3	26.4	16.0	7.8	3.1
-30°	72.7	53.0	38.5	26.6	16.2	7.9	3.1
-32.5°	70.2	53.0	38.8	26.8	16.4	8.0	3.1
-35°	69.2	52.8	39.0	26.9	16.5	8.1	3.1
-37.5°	68.9	52.6	39.1	26.9	16.6	8.2	3.1
-40°	68.3	52.6	39.0	26.9	16.6	8.3	3.1
-42.5°	67.5	52.5	39.0	26.9	16.6	8.3	3.1
-45°	66.4	52.2	39.0	26.9	16.5	8.4	3.1
-47.5°	65.1	51.7	38.8	26.8	16.4	8.4	3.1
-50°	64.2	51.2	38.6	26.6	16.3	8.4	3.1
-52.5°	63.3	50.5	38.3	26.5	16.1	8.4	3.1
-55°	62.2	49.8	37.8	26.2	15.9	8.4	3.1
-57.5°	60.9	49.0	37.3	25.9	15.6	8.3	3.1
-60°	59.5	48.0	36.7	25.5	15.3	8.2	3.1
-62.5°	58.1	46.9	36.0	25.0	15.0	8.2	3.1
-65°	56.4	45.7	35.1	24.4	14.7	8.1	3.1
-67.5°	54.6	44.3	34.2	23.8	14.4	8.0	3.1
-70°	52.6	42.9	33.2	23.1	14.0	7.9	3.1
-72.5°	50.6	41.3	32.2	22.5	13.6	7.7	3.1
-75°	48.5	39.7	31.0	21.9	13.2	7.6	3.1
-77.5°	46.2	37.9	30.0	21.2	12.7	7.4	3.1
-80°	43.9	36.4	28.9	20.5	12.2	7.3	3.1
-82.5°	42.1	35.0	27.9	19.7	11.6	7.1	3.1
-85°	40.3	33.5	26.7	18.8	11.1	6.9	3.1
-87.5°	38.5	32.0	25.5	18.0	10.5	6.7	3.1
-90°	3.1	3.1	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)