

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: P1306028 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-4S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

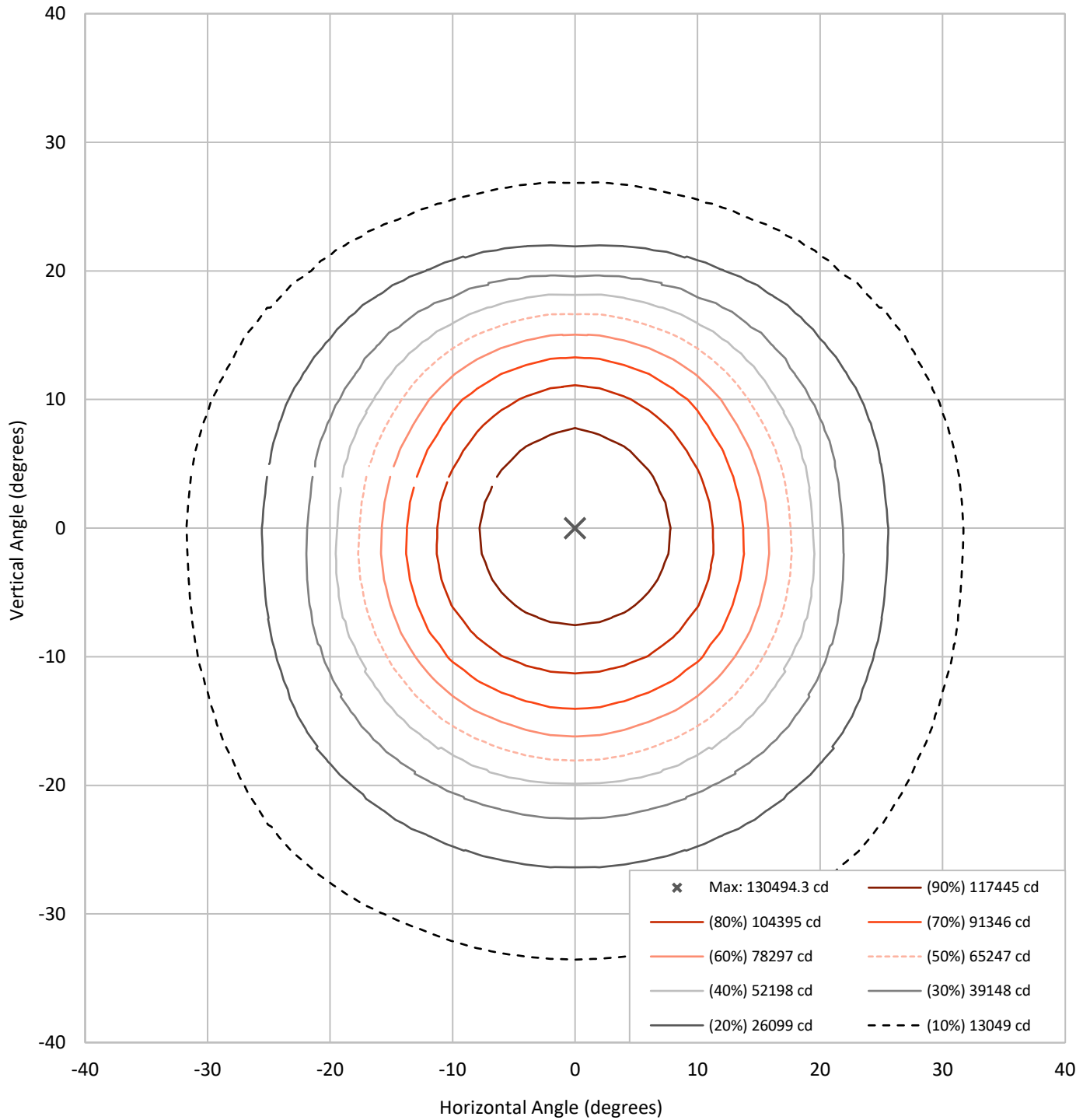
Test Method: LM-79-08  
Report Number: P1306028 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320N-40-80-4S-VHE-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	54131.6 lumens	Max Intensity:	130494.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	162.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	29054.1 lumens	Field Lumens:	47279.6 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%
Input Watts (W):	334		
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





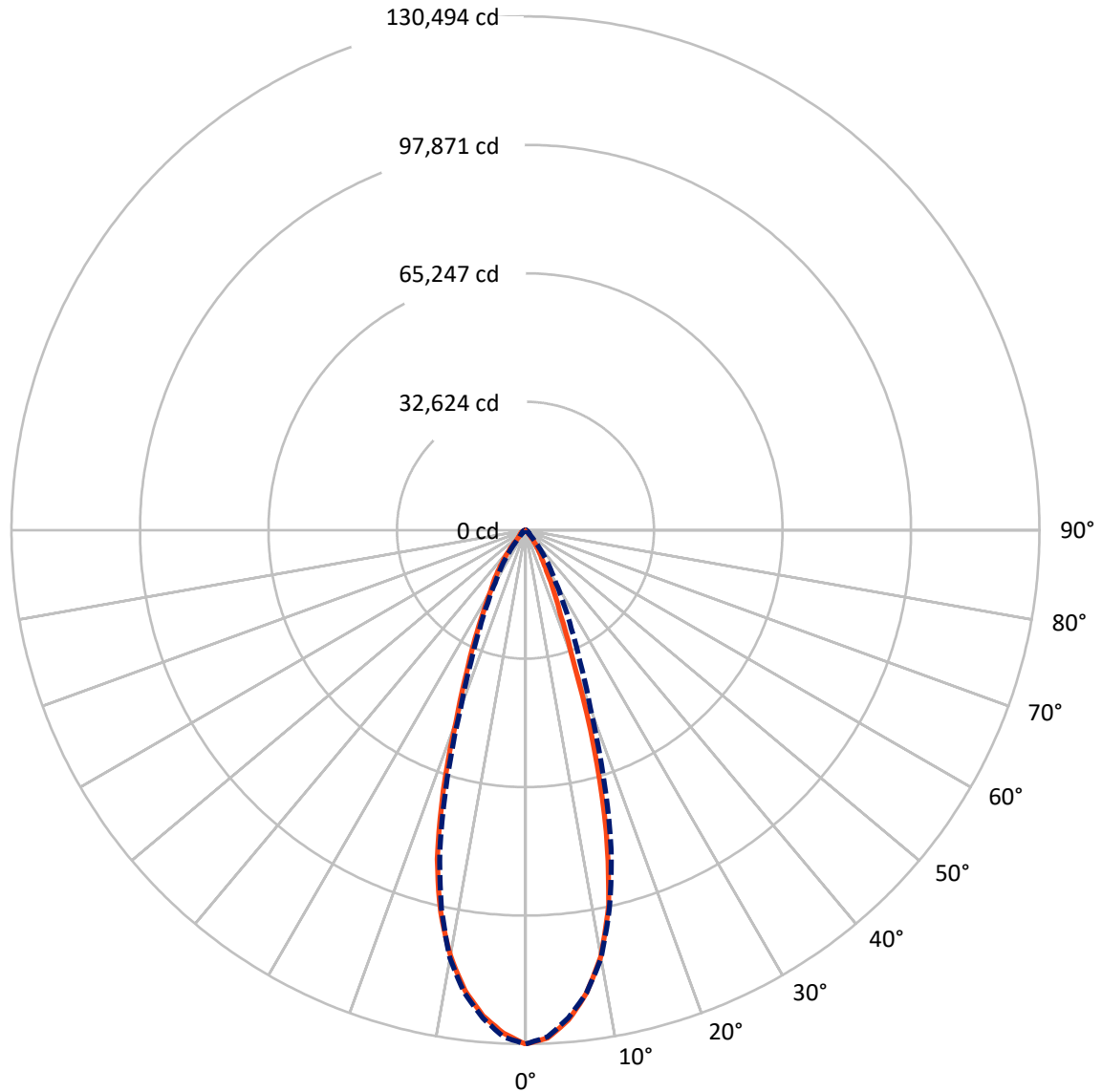
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### Lumen Table

90	0.2	0.6		1.0		1.4		1.6		1.4		1.0		0.6		0.2
80	0.2	0.1	0.1	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.3	0.1	0.1	0.2
70	0.2	0.3	0.4	0.7	0.7	0.5	0.7	0.8	0.8	0.7	0.5	0.7	0.7	0.4	0.3	0.2
60		0.7	1.5	3.1	5.7	9.0	13.1	17.0	17.0	13.1	9.0	5.7	3.1	1.5	0.7	
50	0.5	1.6	5.2	9.8	16.2	37.4	83.5	135.4	135.4	83.5	37.4	16.2	9.8	5.2	1.6	0.5
40		2.8	8.6	16.6	52.2	160.7	350.7	531.8	531.8	350.7	160.7	52.2	16.6	8.6	2.8	
30	1.2	3.8	11.3	26.6	136.0	450.9	1204.9	2141.0	2141.0	1204.9	450.9	136.0	26.6	11.3	3.8	1.2
20		4.7	13.2	36.9	212.8	740.2	2190.7	3507.9	3507.9	2190.7	740.2	212.8	36.9	13.2	4.7	
10	1.8	5.3	14.7	41.3	228.1	777.4	2296.6	3535.7	3535.7	2296.6	777.4	228.1	41.3	14.7	5.3	1.8
0		5.4	15.5	38.0	182.1	574.2	1445.7	2375.1	2375.1	1445.7	574.2	182.1	38.0	15.5	5.4	
-10	2.0	5.1	15.5	32.6	100.2	318.9	626.1	904.2	904.2	626.1	318.9	100.2	32.6	15.5	5.1	2.0
-20		4.3	13.9	27.3	48.1	118.3	238.4	329.6	329.6	238.4	118.3	48.1	27.3	13.9	4.3	
-30	1.9	3.4	10.4	21.8	34.4	47.7	65.1	83.4	83.4	65.1	47.7	34.4	21.8	10.4	3.4	1.9
-40		2.5	6.5	14.2	24.5	33.0	39.9	44.7	44.7	39.9	33.0	24.5	14.2	6.5	2.5	
-50	1.6	1.9	3.8	7.2	12.3	17.4	22.1	25.3	25.3	22.1	17.4	12.3	7.2	3.8	1.9	1.6
-60		1.2	6.9		15.5		25.0		30.7		25.0		15.5		6.9	
-70	1.2	6.9		15.5		25.0		30.7		25.0		15.5		6.9		1.2
-80	1.2	6.9		15.5		25.0		30.7		25.0		15.5		6.9		1.2
-90	1.2	6.9		15.5		25.0		30.7		25.0		15.5		6.9		1.2

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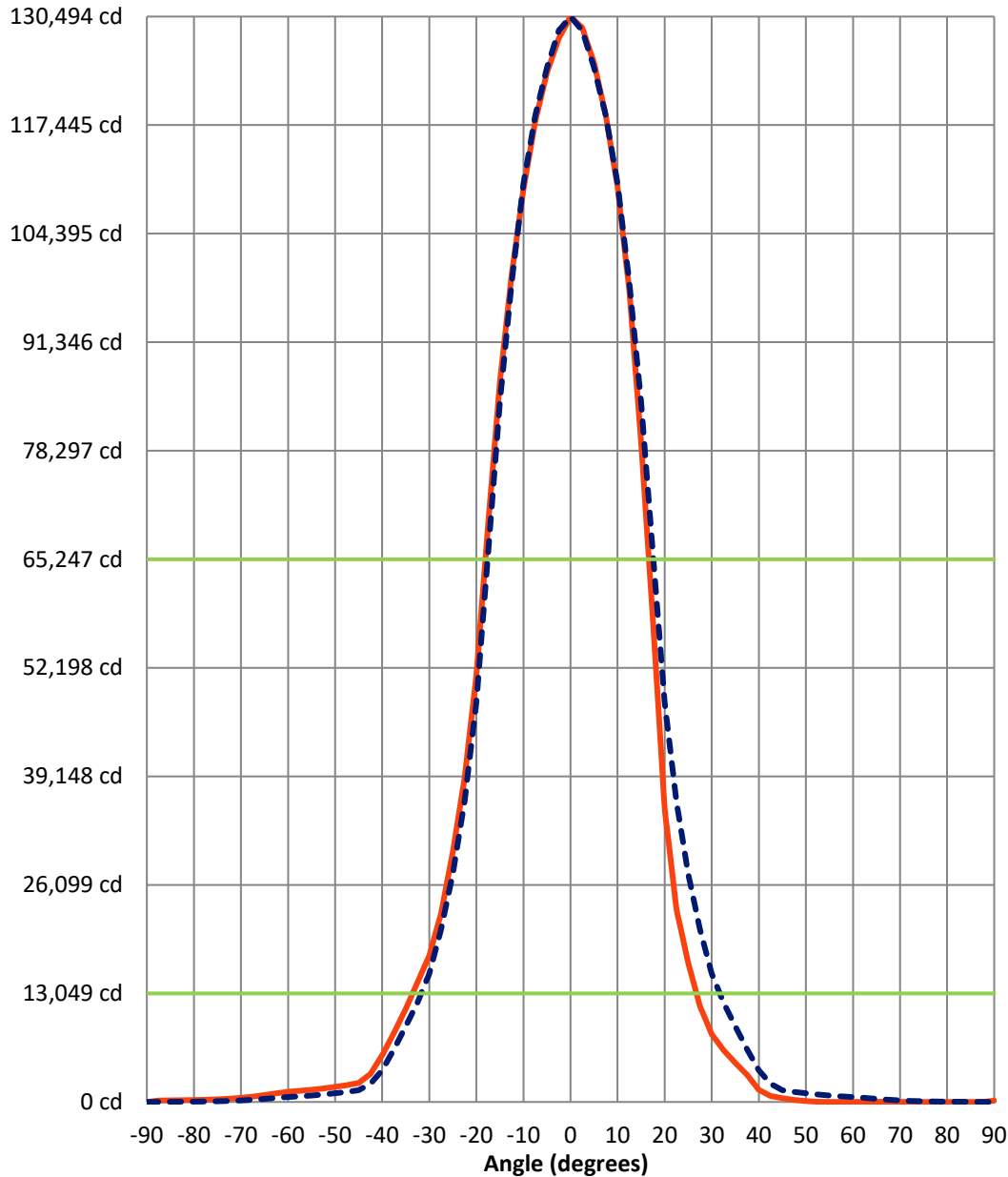
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 35.2°  
V Angle: 34.7°  
Lumens: 29054.1  
Efficiency: 53.7%

**Field:**  
H Angle: 63.4°  
V Angle: 60.3°  
Lumens: 47279.6  
Efficiency: 87.3%

**Spill:**  
Lumens: 6852  
Efficiency: 12.7%

— 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°	5.8	10.9	16.1	26.4	36.8	46.1	55.5	63.0	70.4	75.3	80.1
87.5°	5.8	5.3	4.6	4.7	4.7	4.7	4.7	4.4	4.1	4.1	4.2
85°	5.8	5.4	4.7	4.8	5.0	4.9	4.9	4.6	4.3	4.4	4.4
82.5°	5.8	5.5	4.9	5.0	5.2	5.2	5.1	4.8	4.6	4.6	4.7
80°	5.8	5.6	5.0	5.2	5.4	5.4	5.3	5.1	5.0	5.0	5.0
77.5°	5.8	5.7	5.1	5.3	5.6	5.6	5.6	5.5	5.5	5.5	5.3
75°	5.8	5.9	5.3	5.5	5.8	5.9	6.0	5.9	5.9	5.7	5.3
72.5°	5.8	6.0	5.4	5.7	6.1	6.2	6.3	6.3	6.2	5.9	5.5
70°	5.8	6.1	5.6	5.8	6.3	6.5	6.7	6.7	6.5	6.2	6.0
67.5°	5.8	6.2	5.7	6.1	6.6	6.8	7.1	7.0	6.9	6.7	6.6
65°	5.8	6.4	5.9	6.4	6.9	7.2	7.6	7.4	7.6	7.2	7.3
62.5°	5.8	6.5	6.1	6.6	7.1	7.8	8.1	8.2	8.5	8.0	8.7
60°	5.8	6.6	6.3	6.9	7.4	8.4	8.7	9.4	9.5	10.2	10.4
57.5°	5.8	6.8	6.7	7.2	8.1	9.0	9.9	10.6	11.8	12.7	14.1
55°	5.8	6.9	7.1	7.4	8.8	9.7	11.2	12.0	14.7	16.0	18.9
52.5°	5.8	7.0	7.5	7.7	9.6	10.5	12.7	14.9	17.8	21.6	24.1
50°	5.8	7.2	7.9	8.0	10.3	12.0	14.2	18.0	21.8	27.6	31.3
47.5°	5.8	7.3	8.3	8.4	11.2	13.5	15.9	21.3	27.7	34.0	39.3
45°	5.8	7.4	8.8	9.1	12.0	15.1	18.9	24.6	33.9	41.9	47.9
42.5°	5.8	7.6	9.3	9.7	12.9	16.8	21.9	29.4	40.5	50.2	61.8
40°	5.8	7.7	9.8	10.7	14.0	18.5	25.0	35.3	47.7	58.9	77.9
37.5°	5.8	7.9	10.3	11.8	15.4	20.3	28.3	41.3	55.9	70.3	95.3
35°	5.8	8.0	10.9	12.9	16.8	22.7	31.6	47.4	64.6	86.4	116.4
32.5°	5.8	8.2	11.4	14.1	18.1	25.3	35.4	53.5	73.6	102.9	140.4
30°	5.8	8.3	12.0	15.2	19.5	27.9	40.3	59.7	82.8	119.7	163.4
27.5°	5.8	8.4	12.6	16.4	21.4	30.5	45.1	66.5	92.9	136.7	185.1
25°	5.8	8.6	13.2	17.6	23.3	33.0	49.8	73.0	104.6	154.5	205.8
22.5°	5.8	8.7	13.8	18.8	25.2	35.6	54.3	79.1	115.6	168.3	227.0
20°	5.8	8.8	14.3	19.9	27.0	38.5	58.6	84.9	125.7	181.2	244.1
17.5°	5.8	9.0	14.9	21.1	28.8	41.4	63.0	90.4	135.1	193.2	260.1
15°	5.8	9.1	15.5	22.2	30.5	44.1	67.4	95.9	143.6	204.1	275.1
12.5°	5.8	9.2	16.1	23.3	32.2	46.8	71.6	101.4	152.1	214.0	289.1
10°	5.8	9.3	16.7	24.4	33.8	49.3	75.5	106.6	160.6	226.8	304.4
7.5°	5.8	9.4	17.2	25.5	35.3	51.8	79.0	111.4	168.3	239.5	324.1
5°	5.8	9.5	17.7	26.5	36.7	54.0	82.3	115.8	175.1	251.2	342.7
2.5°	5.8	9.6	18.2	27.5	38.1	56.1	85.2	119.8	181.0	261.8	359.8
0°	5.8	9.7	18.7	28.4	39.4	58.1	87.8	123.3	185.9	271.1	375.1
-2.5°	5.8	10.0	19.4	29.6	41.2	60.4	90.8	127.5	192.4	278.8	382.8
-5°	5.8	10.4	20.1	30.7	43.0	62.6	93.5	131.2	197.9	284.8	388.3
-7.5°	5.8	10.7	20.7	31.8	44.6	64.6	95.8	134.4	202.1	289.3	391.9
-10°	5.8	11.0	21.3	32.8	46.1	66.3	97.7	136.9	205.1	292.1	393.4
-12.5°	5.8	11.3	21.9	33.8	47.5	67.9	99.2	138.8	206.6	293.2	395.1
-15°	5.8	11.6	22.4	34.6	48.8	69.2	100.2	140.0	206.4	291.9	395.0
-17.5°	5.8	11.9	22.9	35.4	50.0	70.4	100.9	140.9	204.4	288.6	391.7
-20°	5.8	12.2	23.3	36.1	51.0	71.3	101.4	141.3	201.1	283.4	384.9



REPORT NUMBER: P1306028 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-4S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.8	12.4	23.7	36.7	51.8	72.0	101.9	141.0	196.6	276.2	374.9
-25°	5.8	12.6	24.1	37.2	52.6	72.8	101.9	140.2	190.9	266.9	364.4
-27.5°	5.8	12.8	24.4	37.7	53.1	73.6	101.5	138.8	184.0	258.9	355.5
-30°	5.8	13.0	24.6	38.0	53.6	74.1	100.6	136.8	179.8	251.5	343.8
-32.5°	5.8	13.2	24.8	38.2	54.3	74.3	99.2	135.0	177.5	242.2	329.0
-35°	5.8	13.3	24.9	38.4	54.8	74.3	98.7	132.9	174.1	230.9	311.3
-37.5°	5.8	13.4	25.0	38.4	55.2	74.3	98.4	130.2	169.7	217.7	294.4
-40°	5.8	13.5	25.1	38.4	55.5	74.6	97.8	126.8	164.4	209.3	277.9
-42.5°	5.8	13.6	25.1	38.3	55.6	74.7	96.8	122.7	159.1	202.3	259.5
-45°	5.8	13.7	25.0	38.4	55.8	74.6	95.3	119.2	153.5	194.0	240.7
-47.5°	5.8	13.7	24.9	38.4	55.7	74.4	93.5	117.1	147.1	184.4	229.7
-50°	5.8	13.7	24.8	38.4	55.5	73.9	92.6	114.6	139.7	175.8	217.3
-52.5°	5.8	13.7	24.6	38.3	55.1	73.2	91.6	111.8	134.8	166.2	202.9
-55°	5.8	13.6	24.3	38.2	54.6	72.3	90.3	108.8	130.8	155.6	189.1
-57.5°	5.8	13.6	24.0	37.9	53.9	71.2	88.9	107.0	126.2	148.8	174.3
-60°	5.8	13.5	23.6	37.5	53.0	69.9	87.2	104.8	121.6	142.8	161.1
-62.5°	5.8	13.4	23.3	37.1	52.3	68.4	85.2	102.2	118.4	135.8	152.8
-65°	5.8	13.2	22.9	36.5	51.4	66.8	83.0	99.2	114.8	130.2	144.1
-67.5°	5.8	13.1	22.4	35.8	50.4	65.0	80.6	96.0	110.9	125.0	137.2
-70°	5.8	12.9	21.9	35.1	49.3	63.3	78.0	92.5	106.7	119.5	131.0
-72.5°	5.8	12.7	21.3	34.3	48.1	61.4	75.3	88.8	102.3	113.9	124.6
-75°	5.8	12.5	20.7	33.4	46.7	59.3	72.4	85.0	97.6	108.1	117.9
-77.5°	5.8	12.3	20.0	32.4	45.3	57.0	69.4	81.0	92.8	102.1	111.0
-80°	5.8	12.0	19.3	31.3	43.8	54.9	66.1	76.8	87.7	96.1	104.2
-82.5°	5.8	11.8	18.5	30.2	42.2	52.9	63.6	72.9	82.5	89.9	97.2
-85°	5.8	11.5	17.7	29.0	40.5	50.7	61.0	69.7	78.5	84.7	90.8
-87.5°	5.8	11.2	16.9	27.8	38.7	48.5	58.3	66.4	74.5	80.0	85.5
-90°	5.8	5.2	4.5	4.5	4.5	4.5	4.5	4.2	3.9	3.9	3.9



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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°	83.7	87.2	90.4	93.6	97.5	101.4	105.3	109.1	113.3	117.5	121.7
87.5°	3.9	3.6	3.6	3.6	3.3	3.0	2.8	2.6	2.6	2.6	2.5
85°	4.2	3.9	3.9	3.9	3.6	3.4	3.1	2.9	2.9	2.9	2.8
82.5°	4.5	4.2	4.1	3.9	3.8	3.9	3.6	3.3	3.3	3.2	3.0
80°	4.8	4.5	4.3	4.1	4.0	3.9	3.8	3.8	3.6	3.3	3.3
77.5°	4.9	4.6	4.4	4.4	4.3	4.0	3.9	3.9	3.8	3.8	3.6
75°	5.0	4.6	4.6	4.6	4.3	4.0	3.9	4.0	4.1	4.0	3.8
72.5°	5.2	5.0	4.9	4.7	4.5	4.3	4.3	4.4	4.8	5.2	5.5
70°	5.8	5.5	5.4	5.2	5.0	4.9	5.5	6.6	7.6	8.1	9.1
67.5°	6.4	6.2	6.1	5.9	5.9	6.4	7.1	9.5	11.6	13.0	14.6
65°	7.0	6.9	7.0	7.0	7.1	9.1	11.2	13.6	17.2	19.2	19.3
62.5°	7.8	8.9	8.5	9.0	10.9	13.0	16.2	20.5	25.0	26.9	25.7
60°	11.1	11.7	11.9	13.4	15.2	17.5	21.9	27.1	32.4	35.6	30.8
57.5°	15.4	16.0	17.3	18.1	20.2	21.5	26.8	33.0	36.5	38.5	33.1
55°	20.6	21.6	23.4	23.8	25.6	26.1	30.6	34.8	37.7	38.4	32.5
52.5°	27.3	28.5	31.1	31.5	31.6	32.1	32.7	37.5	39.8	39.1	33.8
50°	34.6	38.5	39.9	41.4	39.5	40.3	38.2	43.7	48.3	47.1	48.7
47.5°	45.2	50.2	52.2	54.9	53.5	57.9	56.3	66.8	70.4	91.3	95.9
45°	58.0	66.9	69.6	75.8	82.0	87.1	104.0	105.3	149.4	167.7	202.3
42.5°	73.4	87.3	98.6	100.9	130.8	146.7	170.2	208.6	247.2	282.6	306.1
40°	96.3	110.6	134.8	162.9	194.7	229.1	260.2	304.9	342.3	370.1	386.7
37.5°	122.3	149.6	182.5	233.3	276.2	311.3	346.7	385.3	420.5	444.9	476.8
35°	150.9	190.7	251.7	304.5	350.6	383.6	418.2	459.1	492.4	531.8	571.1
32.5°	185.5	232.6	309.1	366.1	403.6	442.6	482.6	525.6	573.2	621.8	672.1
30°	219.8	279.8	354.5	413.8	450.1	495.6	544.1	594.5	657.0	718.2	786.1
27.5°	246.8	320.3	391.4	452.7	494.9	548.8	608.0	673.8	748.0	822.9	913.2
25°	270.9	350.4	428.6	493.5	547.2	606.9	676.4	755.4	843.7	949.0	1233.0
22.5°	294.4	379.8	469.6	537.2	597.6	665.0	748.9	841.1	945.0	1084.9	1587.3
20°	318.5	413.0	508.9	573.6	643.7	719.2	817.4	924.4	1053.3	1383.7	2124.7
17.5°	343.3	447.3	542.3	605.5	679.3	771.5	885.6	1006.3	1163.4	1663.5	2797.8
15°	367.5	479.7	569.1	633.8	715.1	822.3	949.9	1097.8	1358.4	2054.0	3472.2
12.5°	390.7	508.7	589.0	658.0	750.5	870.3	1009.5	1175.5	1587.5	2580.9	4207.8
10°	412.4	534.4	606.3	681.2	785.0	915.4	1062.9	1243.9	1787.6	3002.1	4790.1
7.5°	436.0	556.4	622.0	703.2	816.8	956.6	1106.9	1296.5	1936.6	3325.0	5222.7
5°	457.3	574.3	640.1	729.0	848.5	993.9	1144.5	1340.6	2038.3	3529.7	5522.9
2.5°	476.0	588.6	656.9	753.5	878.2	1026.5	1178.7	1384.7	2129.1	3702.7	5902.8
0°	491.9	599.7	672.0	775.3	903.8	1053.6	1206.6	1420.2	2189.8	3819.2	6343.3
-2.5°	501.6	616.4	697.2	798.2	925.0	1072.8	1231.8	1458.2	2251.2	4071.0	6511.1
-5°	508.6	629.8	719.8	818.2	942.1	1086.9	1250.2	1485.1	2277.7	4140.3	6462.2
-7.5°	512.7	639.6	739.2	835.8	957.4	1103.2	1279.4	1521.1	2289.7	3969.5	6185.3
-10°	514.8	647.8	751.9	850.3	971.7	1118.2	1302.1	1544.3	2240.5	3739.2	5866.7
-12.5°	520.4	654.8	762.0	861.1	981.1	1129.0	1319.7	1561.8	2128.4	3422.6	5428.8
-15°	521.8	658.3	770.4	868.4	991.0	1144.8	1333.1	1564.8	1966.7	3013.6	4869.7
-17.5°	518.9	658.5	776.3	874.2	995.9	1150.9	1337.4	1556.2	1845.8	2716.3	4307.1
-20°	511.4	650.8	778.1	874.8	994.1	1153.4	1339.5	1552.5	1816.3	2412.4	3625.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	499.1	638.6	771.8	873.9	1000.5	1154.4	1333.3	1529.6	1752.4	2045.8	2945.8
-25°	486.0	621.4	755.4	876.9	1001.8	1149.1	1307.3	1487.4	1693.2	1922.7	2461.3
-27.5°	471.7	601.2	738.6	873.0	995.7	1128.9	1275.8	1444.7	1614.1	1799.5	2028.9
-30°	454.5	579.3	716.1	858.9	981.2	1105.7	1241.2	1377.6	1529.5	1696.4	1890.7
-32.5°	433.9	553.5	688.3	829.3	962.0	1078.8	1192.0	1314.6	1450.1	1597.3	1758.0
-35°	411.5	527.4	655.5	793.3	938.7	1045.9	1144.3	1250.3	1370.4	1504.8	1654.1
-37.5°	388.9	497.3	617.2	751.5	892.9	1005.1	1093.8	1192.7	1298.4	1413.6	1552.4
-40°	363.1	462.6	577.2	704.1	829.5	950.8	1048.2	1137.9	1230.8	1336.1	1449.5
-42.5°	335.3	428.8	533.5	648.4	762.3	877.9	1000.0	1088.1	1171.2	1260.7	1360.1
-45°	312.2	391.5	486.1	588.4	691.0	803.0	920.8	1038.6	1114.5	1191.9	1276.5
-47.5°	285.3	353.6	440.2	525.4	620.1	725.6	837.2	946.5	1054.2	1129.5	1200.8
-50°	259.7	321.5	387.7	466.1	550.4	647.9	750.1	850.0	951.0	1053.0	1134.3
-52.5°	242.1	287.2	344.6	406.5	484.5	570.7	660.3	749.3	844.2	941.5	1035.2
-55°	223.1	261.7	302.6	355.2	419.4	496.2	570.7	650.5	732.0	821.7	913.0
-57.5°	205.0	237.0	269.0	309.0	363.1	421.7	487.0	552.5	626.4	701.6	779.7
-60°	187.0	213.3	240.5	272.4	309.6	359.1	406.4	463.5	524.8	586.6	656.1
-62.5°	169.9	191.3	213.9	240.8	272.0	301.2	340.3	384.5	428.8	483.5	539.8
-65°	159.7	171.6	189.5	212.8	237.1	262.9	288.3	315.4	353.9	394.7	434.7
-67.5°	149.0	160.0	171.1	185.5	206.8	226.9	247.4	271.2	295.7	322.2	351.3
-70°	140.9	148.6	158.5	169.9	180.9	193.1	211.3	230.3	249.1	269.7	292.6
-72.5°	133.4	140.5	147.9	155.9	165.6	174.9	184.4	194.7	209.6	227.7	244.6
-75°	125.7	132.3	139.0	146.0	153.3	160.4	167.9	177.1	187.3	198.4	208.8
-77.5°	117.9	124.0	130.1	136.2	142.8	149.6	156.1	162.7	170.7	179.3	187.5
-80°	110.2	115.6	121.4	127.0	132.7	138.7	144.4	149.9	156.9	164.3	171.5
-82.5°	102.7	107.8	112.7	117.7	122.7	127.6	132.7	137.9	144.3	150.8	156.9
-85°	95.4	100.0	104.1	108.2	112.9	117.4	121.8	126.2	132.0	137.8	143.1
-87.5°	89.6	93.6	97.1	100.6	104.7	108.8	112.6	116.3	121.3	126.3	130.9
-90°	3.6	3.2	3.2	3.2	2.9	2.6	2.6	2.6	2.6	2.6	2.3



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	125.9	128.8	131.7	133.7	135.6	138.5	141.4	145.6	149.8	153.4	156.9
87.5°	2.5	2.2	1.9	1.9	1.8	1.9	1.9	1.6	1.3	1.3	1.3
85°	2.6	2.5	2.4	2.4	2.5	2.2	1.9	1.9	1.9	1.9	1.9
82.5°	2.9	2.8	2.6	2.6	2.6	2.5	2.5	2.2	1.9	1.9	1.9
80°	3.2	3.0	2.9	2.8	2.6	2.6	2.6	2.3	1.9	1.9	1.9
77.5°	3.3	3.3	3.2	3.0	2.7	2.6	2.6	2.3	1.9	1.9	1.9
75°	3.8	3.8	3.7	3.6	3.5	3.6	3.8	3.7	3.5	3.4	3.1
72.5°	5.8	5.9	5.7	6.1	6.4	6.7	6.8	7.0	7.3	7.8	8.3
70°	10.3	11.1	11.1	11.1	11.1	10.8	10.4	10.3	10.3	10.5	10.7
67.5°	15.5	16.2	16.4	16.6	15.1	14.2	13.8	13.8	14.4	15.6	17.2
65°	19.8	18.6	17.5	16.3	16.5	16.4	15.7	15.3	15.8	16.5	17.3
62.5°	23.5	18.7	15.6	14.0	14.3	14.8	13.4	12.3	11.9	11.8	11.8
60°	25.3	17.6	12.4	10.5	9.4	8.8	7.9	6.7	6.4	6.3	6.5
57.5°	25.5	16.8	9.9	7.8	6.0	4.6	3.9	3.4	3.4	3.3	3.2
55°	24.7	16.9	9.6	8.8	8.1	7.4	6.4	6.2	5.9	5.8	6.2
52.5°	25.6	23.7	19.4	18.9	23.0	23.1	19.9	24.5	27.6	30.0	31.1
50°	50.7	48.6	61.5	61.5	74.4	85.6	82.4	88.9	100.1	109.8	115.8
47.5°	118.3	127.6	146.9	164.2	183.6	208.2	219.2	226.9	236.7	249.9	258.7
45°	220.4	243.5	268.5	296.5	329.0	357.9	374.7	390.8	401.5	413.3	427.1
42.5°	327.4	354.9	392.0	425.3	460.6	494.3	520.8	544.2	589.9	655.0	706.7
40°	418.9	450.2	493.2	537.7	579.3	621.9	739.1	839.0	963.5	1149.4	1314.1
37.5°	509.8	546.0	593.9	648.5	773.9	900.8	1156.9	1433.5	1673.1	1941.8	2213.2
35°	608.8	656.3	720.5	904.1	1136.2	1474.7	1841.8	2252.6	2601.2	2976.5	3526.2
32.5°	725.7	808.7	1016.2	1350.0	1766.2	2246.9	2702.3	3218.7	3654.2	4343.6	5183.2
30°	876.4	1136.8	1535.1	1995.9	2557.6	3166.1	3737.1	4573.4	5550.5	6415.4	7129.7
27.5°	1240.0	1742.9	2299.0	2883.0	3586.3	4323.7	5520.9	6603.4	7654.6	8588.6	9673.6
25°	1782.9	2589.6	3540.1	4323.0	5278.7	6611.2	7965.1	9157.2	10755.0	12160.2	13736.6
22.5°	2550.7	3699.4	4923.7	6066.8	7534.5	9203.5	11025.0	13221.5	15441.1	17906.5	20099.8
20°	3300.1	4753.5	6303.9	7949.5	9829.2	11915.8	14893.4	18458.1	21878.3	25762.5	29037.8
17.5°	4298.2	6055.1	7888.8	9980.5	12397.1	15607.5	20002.3	24876.6	30165.5	35965.6	41329.2
15°	5313.1	7205.9	9336.5	12013.6	15431.9	19795.1	25401.8	32037.2	39771.7	48298.2	58664.2
12.5°	6144.8	8214.6	10705.9	14079.7	18550.4	24385.5	31178.5	39166.0	49769.8	62630.1	74673.3
10°	6855.4	9337.2	12485.4	16478.2	21737.0	28324.2	36041.1	45930.0	60213.9	75112.0	88328.5
7.5°	7587.4	10523.4	13857.5	18186.7	24165.8	31643.0	41145.5	54059.2	69775.1	85055.7	97175.7
5°	8277.9	11332.3	14723.3	19348.5	25814.5	33845.0	44626.6	60355.5	77457.9	92424.2	103810.9
2.5°	8818.7	11739.2	15179.2	20213.8	26705.7	35041.8	46808.9	64249.1	82189.5	96939.5	108615.7
0°	9099.3	11959.8	15432.3	20755.0	27445.0	36140.1	48059.9	65967.3	84114.2	98478.0	110379.1
-2.5°	9037.2	11853.3	15275.6	20337.4	27276.1	36338.8	49100.1	66862.7	84445.7	99002.8	110218.9
-5°	8906.6	11685.5	15060.6	19824.2	26671.2	35839.3	47970.6	64301.0	81282.2	96214.5	107118.3
-7.5°	8663.2	11404.6	14631.8	19073.5	25668.5	34350.4	45297.7	59488.2	75778.8	90740.0	101295.8
-10°	8305.2	10970.6	14016.3	18056.0	23978.9	31953.0	41260.2	52342.0	67581.1	81569.0	93297.8
-12.5°	7796.4	10356.7	13162.5	16633.9	21938.1	28965.4	36989.1	46196.7	57088.3	70578.6	81572.6
-15°	7148.8	9556.8	12163.9	15439.3	19874.5	25632.4	32397.3	39540.3	47888.3	57200.4	67916.6
-17.5°	6354.1	8616.0	11043.9	13867.6	17454.5	22285.4	27636.8	33210.3	39236.1	46088.9	52384.7
-20°	5406.5	7475.5	9763.4	12389.9	15463.3	18952.8	22842.8	27348.6	32019.4	36910.4	41237.7



REPORT NUMBER: P1306028 (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°	4444.3	6331.7	8511.9	10808.4	13479.7	16143.3	18756.1	22106.3	25713.2	29254.1	32475.1
-25°	3477.4	5143.6	7170.7	9324.7	11468.8	13644.5	15765.9	17846.2	20441.7	22720.9	25085.0
-27.5°	2762.0	4008.5	5710.6	7590.4	9458.7	11274.1	13108.3	14846.0	16482.8	17859.3	19453.1
-30°	2172.2	3013.5	4328.4	5807.7	7442.4	9041.9	10622.5	12090.4	13379.4	14512.7	15619.5
-32.5°	1963.9	2307.5	3088.9	4213.0	5502.7	6905.9	8227.1	9487.9	10550.6	11603.8	12595.5
-35°	1816.7	2005.9	2261.3	2963.5	3803.4	4920.2	5955.8	7002.2	7894.6	8946.5	9759.8
-37.5°	1696.0	1841.8	2003.3	2168.9	2679.7	3238.8	3984.4	4768.8	5458.3	6340.6	7058.6
-40°	1579.2	1708.2	1834.5	1960.4	2096.2	2221.0	2664.8	3069.3	3537.0	4140.6	4657.0
-42.5°	1466.4	1579.9	1689.2	1791.5	1886.5	1968.4	2057.7	2143.3	2395.9	2703.5	2939.8
-45°	1364.9	1461.5	1553.0	1639.5	1711.8	1777.5	1846.3	1917.9	2011.8	2097.1	2167.6
-47.5°	1278.8	1355.1	1430.1	1500.6	1556.1	1612.1	1666.9	1728.7	1801.8	1873.5	1933.4
-50°	1200.8	1266.9	1323.8	1373.7	1419.9	1467.2	1510.9	1565.8	1624.7	1683.9	1733.5
-52.5°	1126.2	1184.9	1232.5	1270.5	1305.6	1344.3	1381.8	1425.6	1473.4	1523.3	1562.6
-55°	1000.7	1075.4	1144.4	1180.1	1207.7	1239.5	1271.3	1306.8	1347.1	1389.0	1420.3
-57.5°	862.0	935.7	1000.8	1047.1	1092.8	1139.6	1174.6	1202.3	1238.8	1274.6	1301.5
-60°	722.7	784.5	842.0	888.8	936.5	983.3	1022.7	1058.9	1104.0	1145.0	1178.4
-62.5°	593.1	647.2	691.5	729.4	770.1	810.8	848.2	883.9	924.9	961.7	993.0
-65°	475.2	520.6	553.4	583.2	615.5	649.2	678.9	708.5	741.4	770.9	796.6
-67.5°	384.3	414.3	434.8	453.8	479.5	505.6	528.9	552.5	577.6	600.0	619.4
-70°	314.6	333.3	346.0	360.5	378.8	395.5	410.8	428.1	446.6	463.7	479.1
-72.5°	260.8	273.7	283.1	294.7	306.3	317.0	326.6	339.0	352.5	365.7	378.3
-75°	218.5	226.9	235.9	244.2	252.2	259.9	267.0	277.0	287.3	297.3	306.8
-77.5°	196.1	202.3	207.3	211.9	216.3	221.3	226.2	234.6	243.7	251.4	258.6
-80°	178.7	183.5	187.7	191.2	194.5	198.6	202.7	209.5	216.6	223.1	229.4
-82.5°	163.0	167.2	171.0	174.3	177.4	181.0	184.4	190.4	196.6	202.0	207.4
-85°	148.4	152.0	155.5	158.4	161.3	164.5	167.7	172.9	178.2	183.1	187.9
-87.5°	135.4	138.6	141.7	143.9	146.1	149.2	152.3	156.9	161.6	165.9	170.2
-90°	1.9	1.9	1.9	1.6	1.3	1.3	1.3	1.3	1.3	1.0	0.6



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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°	158.8	160.7	161.1	161.4	161.1	160.7	158.8	156.9	153.4	149.8	145.6
87.5°	0.9	0.6	0.9	1.3	0.9	0.6	0.9	1.3	1.3	1.3	1.6
85°	1.9	1.9	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	1.9	1.9	1.9	2.2
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3
77.5°	1.6	1.3	1.6	1.9	1.6	1.3	1.6	1.9	1.9	1.9	2.3
75°	2.9	2.6	2.3	1.9	2.3	2.6	2.9	3.1	3.4	3.5	3.7
72.5°	8.6	8.8	9.3	9.7	9.3	8.8	8.6	8.3	7.8	7.3	7.0
70°	10.4	9.8	9.7	9.7	9.7	9.8	10.4	10.7	10.5	10.3	10.3
67.5°	18.5	19.5	19.9	20.0	19.9	19.5	18.5	17.2	15.6	14.4	13.8
65°	18.0	18.6	18.7	18.7	18.7	18.6	18.0	17.3	16.5	15.8	15.3
62.5°	12.1	12.4	12.6	12.9	12.6	12.4	12.1	11.8	11.8	11.9	12.3
60°	6.7	7.2	7.4	7.7	7.4	7.2	6.7	6.5	6.3	6.4	6.7
57.5°	3.2	3.3	3.5	3.9	3.5	3.3	3.2	3.2	3.3	3.4	3.4
55°	6.5	6.9	7.0	7.1	7.0	6.9	6.5	6.2	5.8	5.9	6.2
52.5°	30.6	29.2	28.0	27.1	28.0	29.2	30.6	31.1	30.0	27.6	24.5
50°	118.3	115.4	112.2	109.1	112.2	115.4	118.3	115.8	109.8	100.1	88.9
47.5°	264.0	261.6	256.7	250.5	256.7	261.6	264.0	258.7	249.9	236.7	226.9
45°	446.1	459.0	464.8	461.6	464.8	459.0	446.1	427.1	413.3	401.5	390.8
42.5°	724.3	735.6	736.7	719.8	736.7	735.6	724.3	706.7	655.0	589.9	544.2
40°	1433.3	1532.6	1566.6	1464.1	1566.6	1532.6	1433.3	1314.1	1149.4	963.5	839.0
37.5°	2540.3	2930.5	3256.0	3268.5	3256.0	2930.5	2540.3	2213.2	1941.8	1673.1	1433.5
35°	4116.9	4518.4	4712.5	4704.2	4712.5	4518.4	4116.9	3526.2	2976.5	2601.2	2252.6
32.5°	5786.4	6090.5	6285.0	6238.1	6285.0	6090.5	5786.4	5183.2	4343.6	3654.2	3218.7
30°	7639.8	7922.0	8148.6	8145.1	8148.6	7922.0	7639.8	7129.7	6415.4	5550.5	4573.4
27.5°	10556.7	11138.3	11600.4	11522.1	11600.4	11138.3	10556.7	9673.6	8588.6	7654.6	6603.4
25°	15066.3	16130.0	16882.0	16727.3	16882.0	16130.0	15066.3	13736.6	12160.2	10755.0	9157.2
22.5°	21728.1	23092.7	23663.2	23210.7	23663.2	23092.7	21728.1	20099.8	17906.5	15441.1	13221.5
20°	32158.1	34688.0	36260.7	35322.8	36260.7	34688.0	32158.1	29037.8	25762.5	21878.3	18458.1
17.5°	48271.3	53759.5	58096.0	57976.4	58096.0	53759.5	48271.3	41329.2	35965.6	30165.5	24876.6
15°	67689.2	73935.9	78745.9	79302.1	78745.9	73935.9	67689.2	58664.2	48298.2	39771.7	32037.2
12.5°	85076.0	91428.9	96135.9	97490.3	96135.9	91428.9	85076.0	74673.3	62630.1	49769.8	39166.0
10°	97467.5	103807.3	108363.2	109969.8	108363.2	103807.3	97467.5	88328.5	75112.0	60213.9	45930.0
7.5°	106557.7	113435.9	116850.9	118596.5	116850.9	113435.9	106557.7	97175.7	85055.7	69775.1	54059.2
5°	113098.7	119491.1	122794.9	124910.1	122794.9	119491.1	113098.7	103810.9	92424.2	77457.9	60355.5
2.5°	117222.1	123257.0	127224.5	129121.8	127224.5	123257.0	117222.1	108615.7	96939.5	82189.5	64249.1
0°	118552.9	124346.5	128793.6	130494.3	128793.6	124346.5	118552.9	110379.1	98478.0	84114.2	65967.3
-2.5°	117933.9	123609.3	127156.0	127843.6	127156.0	123609.3	117933.9	110218.9	99002.8	84445.7	66862.7
-5°	114712.5	119943.2	123218.3	123756.5	123218.3	119943.2	114712.5	107118.3	96214.5	81282.2	64301.0
-7.5°	109158.8	114376.7	117083.8	117880.9	117083.8	114376.7	109158.8	101295.8	90740.0	75778.8	59488.2
-10°	101106.5	106147.6	109040.8	109727.0	109040.8	106147.6	101106.5	93297.8	81569.0	67581.1	52342.0
-12.5°	90118.9	95496.8	98734.9	99448.3	98734.9	95496.8	90118.9	81572.6	70578.6	57088.3	46196.7
-15°	75871.3	81403.2	85536.9	86537.0	85536.9	81403.2	75871.3	67916.6	57200.4	47888.3	39540.3
-17.5°	59448.1	64983.8	68698.3	69407.5	68698.3	64983.8	59448.1	52384.7	46088.9	39236.1	33210.3
-20°	45303.4	48863.6	50960.1	51325.2	50960.1	48863.6	45303.4	41237.7	36910.4	32019.4	27348.6



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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°	35107.4	37500.3	38776.6	38956.7	38776.6	37500.3	35107.4	32475.1	29254.1	25713.2	22106.3
-25°	27204.9	28943.4	29894.1	30052.4	29894.1	28943.4	27204.9	25085.0	22720.9	20441.7	17846.2
-27.5°	20888.7	21968.7	22853.3	22669.1	22853.3	21968.7	20888.7	19453.1	17859.3	16482.8	14846.0
-30°	16528.9	17221.6	17744.1	17607.2	17744.1	17221.6	16528.9	15619.5	14512.7	13379.4	12090.4
-32.5°	13377.9	13920.6	14287.9	14385.8	14287.9	13920.6	13377.9	12595.5	11603.8	10550.6	9487.9
-35°	10398.0	10841.4	11095.9	11194.8	11095.9	10841.4	10398.0	9759.8	8946.5	7894.6	7002.2
-37.5°	7591.6	7980.5	8223.4	8307.8	8223.4	7980.5	7591.6	7058.6	6340.6	5458.3	4768.8
-40°	5052.4	5352.1	5551.0	5628.1	5551.0	5352.1	5052.4	4657.0	4140.6	3537.0	3069.3
-42.5°	3123.8	3264.2	3353.0	3380.8	3353.0	3264.2	3123.8	2939.8	2703.5	2395.9	2143.3
-45°	2222.0	2260.8	2283.0	2287.2	2283.0	2260.8	2222.0	2167.6	2097.1	2011.8	1917.9
-47.5°	1980.2	2010.7	2026.4	2027.1	2026.4	2010.7	1980.2	1933.4	1873.5	1801.8	1728.7
-50°	1774.4	1802.7	1817.0	1817.9	1817.0	1802.7	1774.4	1733.5	1683.9	1624.7	1565.8
-52.5°	1594.9	1617.5	1627.9	1628.1	1627.9	1617.5	1594.9	1562.6	1523.3	1473.4	1425.6
-55°	1445.9	1463.4	1469.9	1468.7	1469.9	1463.4	1445.9	1420.3	1389.0	1347.1	1306.8
-57.5°	1324.0	1341.1	1346.5	1344.7	1346.5	1341.1	1324.0	1301.5	1274.6	1238.8	1202.3
-60°	1204.4	1222.8	1229.7	1229.2	1229.7	1222.8	1204.4	1178.4	1145.0	1104.0	1058.9
-62.5°	1015.3	1029.5	1037.1	1039.4	1037.1	1029.5	1015.3	993.0	961.7	924.9	883.9
-65°	814.2	825.4	831.5	833.4	831.5	825.4	814.2	796.6	770.9	741.4	708.5
-67.5°	632.0	640.1	644.0	644.9	644.0	640.1	632.0	619.4	600.0	577.6	552.5
-70°	488.7	495.4	498.5	499.7	498.5	495.4	488.7	479.1	463.7	446.6	428.1
-72.5°	385.5	390.8	393.0	393.8	393.0	390.8	385.5	378.3	365.7	352.5	339.0
-75°	311.3	314.4	315.7	316.3	315.7	314.4	311.3	306.8	297.3	287.3	277.0
-77.5°	262.5	265.9	267.1	267.9	267.1	265.9	262.5	258.6	251.4	243.7	234.6
-80°	232.2	234.6	235.6	236.3	235.6	234.6	232.2	229.4	223.1	216.6	209.5
-82.5°	210.8	214.0	214.2	214.3	214.2	214.0	210.8	207.4	202.0	196.6	190.4
-85°	190.4	192.8	193.3	193.7	193.3	192.8	190.4	187.9	183.1	178.2	172.9
-87.5°	172.5	174.8	174.9	174.9	174.9	174.8	172.5	170.2	165.9	161.6	156.9
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.3	1.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	141.4	138.5	135.6	133.7	131.7	128.8	125.9	121.7	117.5	113.3	109.1
87.5°	1.9	1.9	1.8	1.9	1.9	2.2	2.5	2.5	2.6	2.6	2.6
85°	1.9	2.2	2.5	2.4	2.4	2.5	2.6	2.8	2.9	2.9	2.9
82.5°	2.5	2.5	2.6	2.6	2.6	2.8	2.9	3.0	3.2	3.3	3.3
80°	2.6	2.6	2.6	2.8	2.9	3.0	3.2	3.3	3.3	3.6	3.8
77.5°	2.6	2.6	2.7	3.0	3.2	3.3	3.3	3.6	3.8	3.8	3.9
75°	3.8	3.6	3.5	3.6	3.7	3.8	3.8	3.8	4.0	4.1	4.0
72.5°	6.8	6.7	6.4	6.1	5.7	5.9	5.8	5.5	5.2	4.8	4.4
70°	10.4	10.8	11.1	11.1	11.1	11.1	10.3	9.1	8.1	7.6	6.6
67.5°	13.8	14.2	15.1	16.6	16.4	16.2	15.5	14.6	13.0	11.6	9.5
65°	15.7	16.4	16.5	16.3	17.5	18.6	19.8	19.3	19.2	17.2	13.6
62.5°	13.4	14.8	14.3	14.0	15.6	18.7	23.5	25.7	26.9	25.0	20.5
60°	7.9	8.8	9.4	10.5	12.4	17.6	25.3	30.8	35.6	32.4	27.1
57.5°	3.9	4.6	6.0	7.8	9.9	16.8	25.5	33.1	38.5	36.5	33.0
55°	6.4	7.4	8.1	8.8	9.6	16.9	24.7	32.5	38.4	37.7	34.8
52.5°	19.9	23.1	23.0	18.9	19.4	23.7	25.6	33.8	39.1	39.8	37.5
50°	82.4	85.6	74.4	61.5	61.5	48.6	50.7	48.7	47.1	48.3	43.7
47.5°	219.2	208.2	183.6	164.2	146.9	127.6	118.3	95.9	91.3	70.4	66.8
45°	374.7	357.9	329.0	296.5	268.5	243.5	220.4	202.3	167.7	149.4	105.3
42.5°	520.8	494.3	460.6	425.3	392.0	354.9	327.4	306.1	282.6	247.2	208.6
40°	739.1	621.9	579.3	537.7	493.2	450.2	418.9	386.7	370.1	342.3	304.9
37.5°	1156.9	900.8	773.9	648.5	593.9	546.0	509.8	476.8	444.9	420.5	385.3
35°	1841.8	1474.7	1136.2	904.1	720.5	656.3	608.8	571.1	531.8	492.4	459.1
32.5°	2702.3	2246.9	1766.2	1350.0	1016.2	808.7	725.7	672.1	621.8	573.2	525.6
30°	3737.1	3166.1	2557.6	1995.9	1535.1	1136.8	876.4	786.1	718.2	657.0	594.5
27.5°	5520.9	4323.7	3586.3	2883.0	2299.0	1742.9	1240.0	913.2	822.9	748.0	673.8
25°	7965.1	6611.2	5278.7	4323.0	3540.1	2589.6	1782.9	1233.0	949.0	843.7	755.4
22.5°	11025.0	9203.5	7534.5	6066.8	4923.7	3699.4	2550.7	1587.3	1084.9	945.0	841.1
20°	14893.4	11915.8	9829.2	7949.5	6303.9	4753.5	3300.1	2124.7	1383.7	1053.3	924.4
17.5°	20002.3	15607.5	12397.1	9980.5	7888.8	6055.1	4298.2	2797.8	1663.5	1163.4	1006.3
15°	25401.8	19795.1	15431.9	12013.6	9336.5	7205.9	5313.1	3472.2	2054.0	1358.4	1097.8
12.5°	31178.5	24385.5	18550.4	14079.7	10705.9	8214.6	6144.8	4207.8	2580.9	1587.5	1175.5
10°	36041.1	28324.2	21737.0	16478.2	12485.4	9337.2	6855.4	4790.1	3002.1	1787.6	1243.9
7.5°	41145.5	31643.0	24165.8	18186.7	13857.5	10523.4	7587.4	5222.7	3325.0	1936.6	1296.5
5°	44626.6	33845.0	25814.5	19348.5	14723.3	11332.3	8277.9	5522.9	3529.7	2038.3	1340.6
2.5°	46808.9	35041.8	26705.7	20213.8	15179.2	11739.2	8818.7	5902.8	3702.7	2129.1	1384.7
0°	48059.9	36140.1	27445.0	20755.0	15432.3	11959.8	9099.3	6343.3	3819.2	2189.8	1420.2
-2.5°	49100.1	36338.8	27276.1	20337.4	15275.6	11853.3	9037.2	6511.1	4071.0	2251.2	1458.2
-5°	47970.6	35839.3	26671.2	19824.2	15060.6	11685.5	8906.6	6462.2	4140.3	2277.7	1485.1
-7.5°	45297.7	34350.4	25668.5	19073.5	14631.8	11404.6	8663.2	6185.3	3969.5	2289.7	1521.1
-10°	41260.2	31953.0	23978.9	18056.0	14016.3	10970.6	8305.2	5866.7	3739.2	2240.5	1544.3
-12.5°	36989.1	28965.4	21938.1	16633.9	13162.5	10356.7	7796.4	5428.8	3422.6	2128.4	1561.8
-15°	32397.3	25632.4	19874.5	15439.3	12163.9	9556.8	7148.8	4869.7	3013.6	1966.7	1564.8
-17.5°	27636.8	22285.4	17454.5	13867.6	11043.9	8616.0	6354.1	4307.1	2716.3	1845.8	1556.2
-20°	22842.8	18952.8	15463.3	12389.9	9763.4	7475.5	5406.5	3625.0	2412.4	1816.3	1552.5



REPORT NUMBER: P1306028 (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°	18756.1	16143.3	13479.7	10808.4	8511.9	6331.7	4444.3	2945.8	2045.8	1752.4	1529.6
-25°	15765.9	13644.5	11468.8	9324.7	7170.7	5143.6	3477.4	2461.3	1922.7	1693.2	1487.4
-27.5°	13108.3	11274.1	9458.7	7590.4	5710.6	4008.5	2762.0	2028.9	1799.5	1614.1	1444.7
-30°	10622.5	9041.9	7442.4	5807.7	4328.4	3013.5	2172.2	1890.7	1696.4	1529.5	1377.6
-32.5°	8227.1	6905.9	5502.7	4213.0	3088.9	2307.5	1963.9	1758.0	1597.3	1450.1	1314.6
-35°	5955.8	4920.2	3803.4	2963.5	2261.3	2005.9	1816.7	1654.1	1504.8	1370.4	1250.3
-37.5°	3984.4	3238.8	2679.7	2168.9	2003.3	1841.8	1696.0	1552.4	1413.6	1298.4	1192.7
-40°	2664.8	2221.0	2096.2	1960.4	1834.5	1708.2	1579.2	1449.5	1336.1	1230.8	1137.9
-42.5°	2057.7	1968.4	1886.5	1791.5	1689.2	1579.9	1466.4	1360.1	1260.7	1171.2	1088.1
-45°	1846.3	1777.5	1711.8	1639.5	1553.0	1461.5	1364.9	1276.5	1191.9	1114.5	1038.6
-47.5°	1666.9	1612.1	1556.1	1500.6	1430.1	1355.1	1278.8	1200.8	1129.5	1054.2	946.5
-50°	1510.9	1467.2	1419.9	1373.7	1323.8	1266.9	1200.8	1134.3	1053.0	951.0	850.0
-52.5°	1381.8	1344.3	1305.6	1270.5	1232.5	1184.9	1126.2	1035.2	941.5	844.2	749.3
-55°	1271.3	1239.5	1207.7	1180.1	1144.4	1075.4	1000.7	913.0	821.7	732.0	650.5
-57.5°	1174.6	1139.6	1092.8	1047.1	1000.8	935.7	862.0	779.7	701.6	626.4	552.5
-60°	1022.7	983.3	936.5	888.8	842.0	784.5	722.7	656.1	586.6	524.8	463.5
-62.5°	848.2	810.8	770.1	729.4	691.5	647.2	593.1	539.8	483.5	428.8	384.5
-65°	678.9	649.2	615.5	583.2	553.4	520.6	475.2	434.7	394.7	353.9	315.4
-67.5°	528.9	505.6	479.5	453.8	434.8	414.3	384.3	351.3	322.2	295.7	271.2
-70°	410.8	395.5	378.8	360.5	346.0	333.3	314.6	292.6	269.7	249.1	230.3
-72.5°	326.6	317.0	306.3	294.7	283.1	273.7	260.8	244.6	227.7	209.6	194.7
-75°	267.0	259.9	252.2	244.2	235.9	226.9	218.5	208.8	198.4	187.3	177.1
-77.5°	226.2	221.3	216.3	211.9	207.3	202.3	196.1	187.5	179.3	170.7	162.7
-80°	202.7	198.6	194.5	191.2	187.7	183.5	178.7	171.5	164.3	156.9	149.9
-82.5°	184.4	181.0	177.4	174.3	171.0	167.2	163.0	156.9	150.8	144.3	137.9
-85°	167.7	164.5	161.3	158.4	155.5	152.0	148.4	143.1	137.8	132.0	126.2
-87.5°	152.3	149.2	146.1	143.9	141.7	138.6	135.4	130.9	126.3	121.3	116.3
-90°	1.3	1.3	1.3	1.6	1.9	1.9	1.9	2.3	2.6	2.6	2.6



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	105.3	101.4	97.5	93.6	90.4	87.2	83.7	80.1	75.3	70.4	63.0
87.5°	2.8	3.0	3.3	3.6	3.6	3.6	3.9	4.2	4.1	4.1	4.4
85°	3.1	3.4	3.6	3.9	3.9	3.9	4.2	4.4	4.4	4.3	4.6
82.5°	3.6	3.9	3.8	3.9	4.1	4.2	4.5	4.7	4.6	4.6	4.8
80°	3.8	3.9	4.0	4.1	4.3	4.5	4.8	5.0	5.0	5.0	5.1
77.5°	3.9	4.0	4.3	4.4	4.4	4.6	4.9	5.3	5.5	5.5	5.5
75°	3.9	4.0	4.3	4.6	4.6	4.6	5.0	5.3	5.7	5.9	5.9
72.5°	4.3	4.3	4.5	4.7	4.9	5.0	5.2	5.5	5.9	6.2	6.3
70°	5.5	4.9	5.0	5.2	5.4	5.5	5.8	6.0	6.2	6.5	6.7
67.5°	7.1	6.4	5.9	5.9	6.1	6.2	6.4	6.6	6.7	6.9	7.0
65°	11.2	9.1	7.1	7.0	7.0	6.9	7.0	7.3	7.2	7.6	7.4
62.5°	16.2	13.0	10.9	9.0	8.5	8.9	7.8	8.7	8.0	8.5	8.2
60°	21.9	17.5	15.2	13.4	11.9	11.7	11.1	10.4	10.2	9.5	9.4
57.5°	26.8	21.5	20.2	18.1	17.3	16.0	15.4	14.1	12.7	11.8	10.6
55°	30.6	26.1	25.6	23.8	23.4	21.6	20.6	18.9	16.0	14.7	12.0
52.5°	32.7	32.1	31.6	31.5	31.1	28.5	27.3	24.1	21.6	17.8	14.9
50°	38.2	40.3	39.5	41.4	39.9	38.5	34.6	31.3	27.6	21.8	18.0
47.5°	56.3	57.9	53.5	54.9	52.2	50.2	45.2	39.3	34.0	27.7	21.3
45°	104.0	87.1	82.0	75.8	69.6	66.9	58.0	47.9	41.9	33.9	24.6
42.5°	170.2	146.7	130.8	100.9	98.6	87.3	73.4	61.8	50.2	40.5	29.4
40°	260.2	229.1	194.7	162.9	134.8	110.6	96.3	77.9	58.9	47.7	35.3
37.5°	346.7	311.3	276.2	233.3	182.5	149.6	122.3	95.3	70.3	55.9	41.3
35°	418.2	383.6	350.6	304.5	251.7	190.7	150.9	116.4	86.4	64.6	47.4
32.5°	482.6	442.6	403.6	366.1	309.1	232.6	185.5	140.4	102.9	73.6	53.5
30°	544.1	495.6	450.1	413.8	354.5	279.8	219.8	163.4	119.7	82.8	59.7
27.5°	608.0	548.8	494.9	452.7	391.4	320.3	246.8	185.1	136.7	92.9	66.5
25°	676.4	606.9	547.2	493.5	428.6	350.4	270.9	205.8	154.5	104.6	73.0
22.5°	748.9	665.0	597.6	537.2	469.6	379.8	294.4	227.0	168.3	115.6	79.1
20°	817.4	719.2	643.7	573.6	508.9	413.0	318.5	244.1	181.2	125.7	84.9
17.5°	885.6	771.5	679.3	605.5	542.3	447.3	343.3	260.1	193.2	135.1	90.4
15°	949.9	822.3	715.1	633.8	569.1	479.7	367.5	275.1	204.1	143.6	95.9
12.5°	1009.5	870.3	750.5	658.0	589.0	508.7	390.7	289.1	214.0	152.1	101.4
10°	1062.9	915.4	785.0	681.2	606.3	534.4	412.4	304.4	226.8	160.6	106.6
7.5°	1106.9	956.6	816.8	703.2	622.0	556.4	436.0	324.1	239.5	168.3	111.4
5°	1144.5	993.9	848.5	729.0	640.1	574.3	457.3	342.7	251.2	175.1	115.8
2.5°	1178.7	1026.5	878.2	753.5	656.9	588.6	476.0	359.8	261.8	181.0	119.8
0°	1206.6	1053.6	903.8	775.3	672.0	599.7	491.9	375.1	271.1	185.9	123.3
-2.5°	1231.8	1072.8	925.0	798.2	697.2	616.4	501.6	382.8	278.8	192.4	127.5
-5°	1250.2	1086.9	942.1	818.2	719.8	629.8	508.6	388.3	284.8	197.9	131.2
-7.5°	1279.4	1103.2	957.4	835.8	739.2	639.6	512.7	391.9	289.3	202.1	134.4
-10°	1302.1	1118.2	971.7	850.3	751.9	647.8	514.8	393.4	292.1	205.1	136.9
-12.5°	1319.7	1129.0	981.1	861.1	762.0	654.8	520.4	395.1	293.2	206.6	138.8
-15°	1333.1	1144.8	991.0	868.4	770.4	658.3	521.8	395.0	291.9	206.4	140.0
-17.5°	1337.4	1150.9	995.9	874.2	776.3	658.5	518.9	391.7	288.6	204.4	140.9
-20°	1339.5	1153.4	994.1	874.8	778.1	650.8	511.4	384.9	283.4	201.1	141.3



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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°	1333.3	1154.4	1000.5	873.9	771.8	638.6	499.1	374.9	276.2	196.6	141.0
-25°	1307.3	1149.1	1001.8	876.9	755.4	621.4	486.0	364.4	266.9	190.9	140.2
-27.5°	1275.8	1128.9	995.7	873.0	738.6	601.2	471.7	355.5	258.9	184.0	138.8
-30°	1241.2	1105.7	981.2	858.9	716.1	579.3	454.5	343.8	251.5	179.8	136.8
-32.5°	1192.0	1078.8	962.0	829.3	688.3	553.5	433.9	329.0	242.2	177.5	135.0
-35°	1144.3	1045.9	938.7	793.3	655.5	527.4	411.5	311.3	230.9	174.1	132.9
-37.5°	1093.8	1005.1	892.9	751.5	617.2	497.3	388.9	294.4	217.7	169.7	130.2
-40°	1048.2	950.8	829.5	704.1	577.2	462.6	363.1	277.9	209.3	164.4	126.8
-42.5°	1000.0	877.9	762.3	648.4	533.5	428.8	335.3	259.5	202.3	159.1	122.7
-45°	920.8	803.0	691.0	588.4	486.1	391.5	312.2	240.7	194.0	153.5	119.2
-47.5°	837.2	725.6	620.1	525.4	440.2	353.6	285.3	229.7	184.4	147.1	117.1
-50°	750.1	647.9	550.4	466.1	387.7	321.5	259.7	217.3	175.8	139.7	114.6
-52.5°	660.3	570.7	484.5	406.5	344.6	287.2	242.1	202.9	166.2	134.8	111.8
-55°	570.7	496.2	419.4	355.2	302.6	261.7	223.1	189.1	155.6	130.8	108.8
-57.5°	487.0	421.7	363.1	309.0	269.0	237.0	205.0	174.3	148.8	126.2	107.0
-60°	406.4	359.1	309.6	272.4	240.5	213.3	187.0	161.1	142.8	121.6	104.8
-62.5°	340.3	301.2	272.0	240.8	213.9	191.3	169.9	152.8	135.8	118.4	102.2
-65°	288.3	262.9	237.1	212.8	189.5	171.6	159.7	144.1	130.2	114.8	99.2
-67.5°	247.4	226.9	206.8	185.5	171.1	160.0	149.0	137.2	125.0	110.9	96.0
-70°	211.3	193.1	180.9	169.9	158.5	148.6	140.9	131.0	119.5	106.7	92.5
-72.5°	184.4	174.9	165.6	155.9	147.9	140.5	133.4	124.6	113.9	102.3	88.8
-75°	167.9	160.4	153.3	146.0	139.0	132.3	125.7	117.9	108.1	97.6	85.0
-77.5°	156.1	149.6	142.8	136.2	130.1	124.0	117.9	111.0	102.1	92.8	81.0
-80°	144.4	138.7	132.7	127.0	121.4	115.6	110.2	104.2	96.1	87.7	76.8
-82.5°	132.7	127.6	122.7	117.7	112.7	107.8	102.7	97.2	89.9	82.5	72.9
-85°	121.8	117.4	112.9	108.2	104.1	100.0	95.4	90.8	84.7	78.5	69.7
-87.5°	112.6	108.8	104.7	100.6	97.1	93.6	89.6	85.5	80.0	74.5	66.4
-90°	2.6	2.6	2.9	3.2	3.2	3.2	3.6	3.9	3.9	3.9	4.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	55.5	46.1	36.8	26.4	16.1	10.9	5.8
87.5°	4.7	4.7	4.7	4.7	4.6	5.3	5.8
85°	4.9	4.9	5.0	4.8	4.7	5.4	5.8
82.5°	5.1	5.2	5.2	5.0	4.9	5.5	5.8
80°	5.3	5.4	5.4	5.2	5.0	5.6	5.8
77.5°	5.6	5.6	5.6	5.3	5.1	5.7	5.8
75°	6.0	5.9	5.8	5.5	5.3	5.9	5.8
72.5°	6.3	6.2	6.1	5.7	5.4	6.0	5.8
70°	6.7	6.5	6.3	5.8	5.6	6.1	5.8
67.5°	7.1	6.8	6.6	6.1	5.7	6.2	5.8
65°	7.6	7.2	6.9	6.4	5.9	6.4	5.8
62.5°	8.1	7.8	7.1	6.6	6.1	6.5	5.8
60°	8.7	8.4	7.4	6.9	6.3	6.6	5.8
57.5°	9.9	9.0	8.1	7.2	6.7	6.8	5.8
55°	11.2	9.7	8.8	7.4	7.1	6.9	5.8
52.5°	12.7	10.5	9.6	7.7	7.5	7.0	5.8
50°	14.2	12.0	10.3	8.0	7.9	7.2	5.8
47.5°	15.9	13.5	11.2	8.4	8.3	7.3	5.8
45°	18.9	15.1	12.0	9.1	8.8	7.4	5.8
42.5°	21.9	16.8	12.9	9.7	9.3	7.6	5.8
40°	25.0	18.5	14.0	10.7	9.8	7.7	5.8
37.5°	28.3	20.3	15.4	11.8	10.3	7.9	5.8
35°	31.6	22.7	16.8	12.9	10.9	8.0	5.8
32.5°	35.4	25.3	18.1	14.1	11.4	8.2	5.8
30°	40.3	27.9	19.5	15.2	12.0	8.3	5.8
27.5°	45.1	30.5	21.4	16.4	12.6	8.4	5.8
25°	49.8	33.0	23.3	17.6	13.2	8.6	5.8
22.5°	54.3	35.6	25.2	18.8	13.8	8.7	5.8
20°	58.6	38.5	27.0	19.9	14.3	8.8	5.8
17.5°	63.0	41.4	28.8	21.1	14.9	9.0	5.8
15°	67.4	44.1	30.5	22.2	15.5	9.1	5.8
12.5°	71.6	46.8	32.2	23.3	16.1	9.2	5.8
10°	75.5	49.3	33.8	24.4	16.7	9.3	5.8
7.5°	79.0	51.8	35.3	25.5	17.2	9.4	5.8
5°	82.3	54.0	36.7	26.5	17.7	9.5	5.8
2.5°	85.2	56.1	38.1	27.5	18.2	9.6	5.8
0°	87.8	58.1	39.4	28.4	18.7	9.7	5.8
-2.5°	90.8	60.4	41.2	29.6	19.4	10.0	5.8
-5°	93.5	62.6	43.0	30.7	20.1	10.4	5.8
-7.5°	95.8	64.6	44.6	31.8	20.7	10.7	5.8
-10°	97.7	66.3	46.1	32.8	21.3	11.0	5.8
-12.5°	99.2	67.9	47.5	33.8	21.9	11.3	5.8
-15°	100.2	69.2	48.8	34.6	22.4	11.6	5.8
-17.5°	100.9	70.4	50.0	35.4	22.9	11.9	5.8
-20°	101.4	71.3	51.0	36.1	23.3	12.2	5.8



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	101.9	72.0	51.8	36.7	23.7	12.4	5.8
-25°	101.9	72.8	52.6	37.2	24.1	12.6	5.8
-27.5°	101.5	73.6	53.1	37.7	24.4	12.8	5.8
-30°	100.6	74.1	53.6	38.0	24.6	13.0	5.8
-32.5°	99.2	74.3	54.3	38.2	24.8	13.2	5.8
-35°	98.7	74.3	54.8	38.4	24.9	13.3	5.8
-37.5°	98.4	74.3	55.2	38.4	25.0	13.4	5.8
-40°	97.8	74.6	55.5	38.4	25.1	13.5	5.8
-42.5°	96.8	74.7	55.6	38.3	25.1	13.6	5.8
-45°	95.3	74.6	55.8	38.4	25.0	13.7	5.8
-47.5°	93.5	74.4	55.7	38.4	24.9	13.7	5.8
-50°	92.6	73.9	55.5	38.4	24.8	13.7	5.8
-52.5°	91.6	73.2	55.1	38.3	24.6	13.7	5.8
-55°	90.3	72.3	54.6	38.2	24.3	13.6	5.8
-57.5°	88.9	71.2	53.9	37.9	24.0	13.6	5.8
-60°	87.2	69.9	53.0	37.5	23.6	13.5	5.8
-62.5°	85.2	68.4	52.3	37.1	23.3	13.4	5.8
-65°	83.0	66.8	51.4	36.5	22.9	13.2	5.8
-67.5°	80.6	65.0	50.4	35.8	22.4	13.1	5.8
-70°	78.0	63.3	49.3	35.1	21.9	12.9	5.8
-72.5°	75.3	61.4	48.1	34.3	21.3	12.7	5.8
-75°	72.4	59.3	46.7	33.4	20.7	12.5	5.8
-77.5°	69.4	57.0	45.3	32.4	20.0	12.3	5.8
-80°	66.1	54.9	43.8	31.3	19.3	12.0	5.8
-82.5°	63.6	52.9	42.2	30.2	18.5	11.8	5.8
-85°	61.0	50.7	40.5	29.0	17.7	11.5	5.8
-87.5°	58.3	48.5	38.7	27.8	16.9	11.2	5.8
-90°	4.5	4.5	4.5	4.5	4.5	5.2	5.8

(END OF REPORT)