

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: P1305597 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-2S-CV1-A**

Issue Date: 2/3/2026

**Test Information**

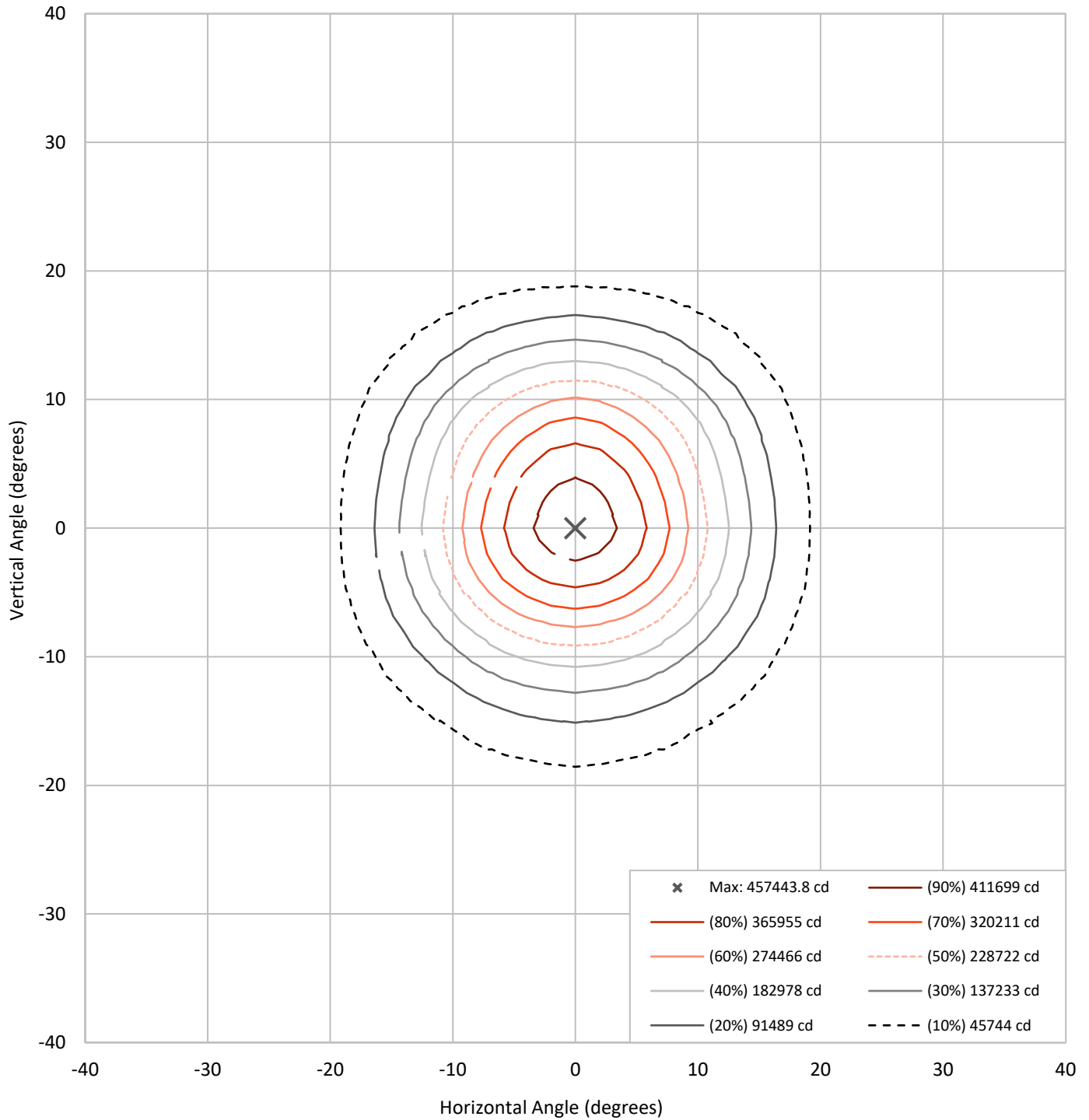
Test Method: LM-79-08  
Report Number: P1305597 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-640L-40-70-2S-CV1-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 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:	73969.1 lumens	Max Intensity:	457443.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.4 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:	34347.9 lumens	Field Lumens:	62531.8 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%
Input Watts (W):	670		
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





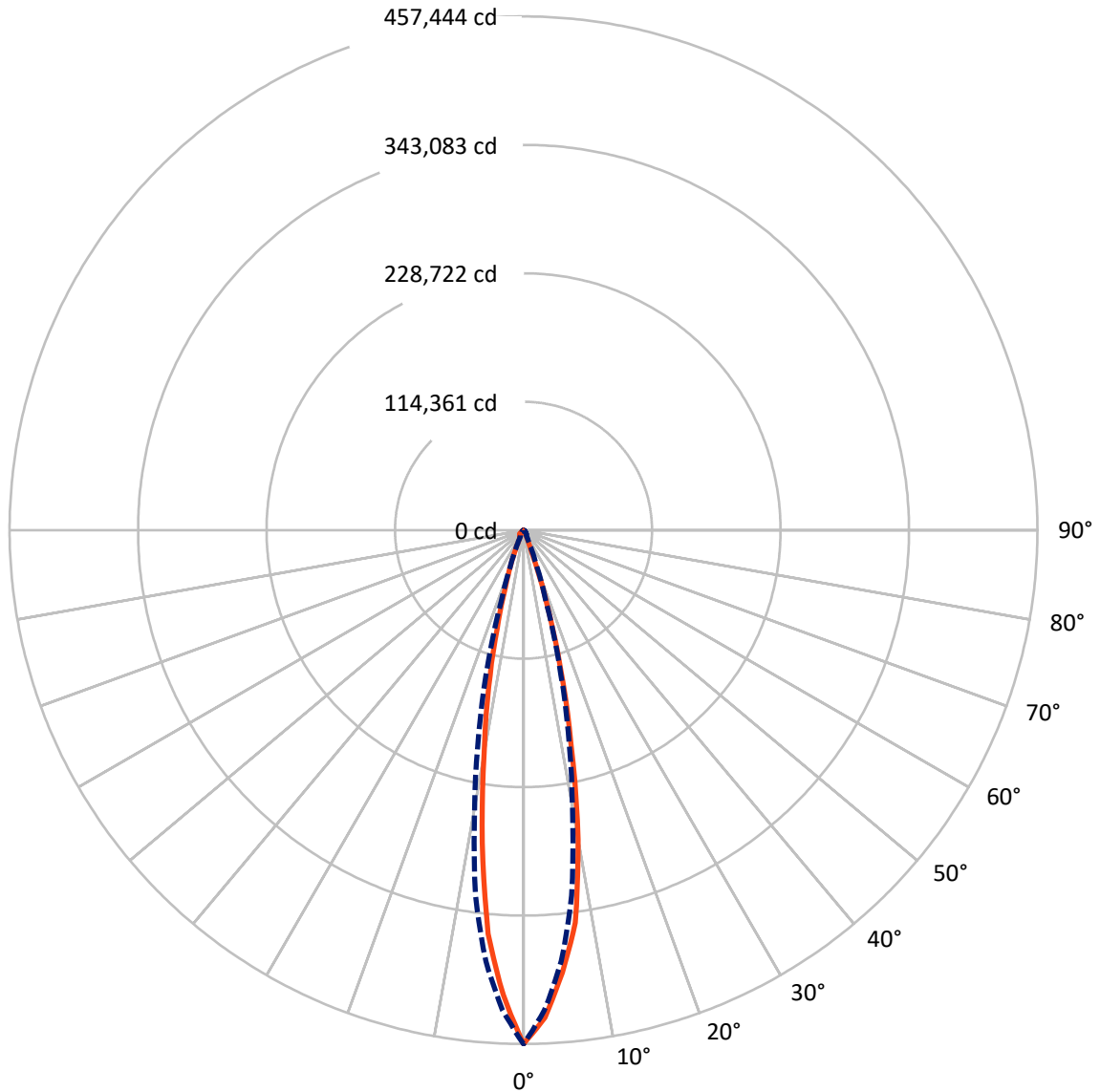
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### Lumen Table

90	0.1	0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1			
80	0.1	0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1			
70	0.1	0.1	0.2	0.6	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7	0.6	0.2	0.1	0.1			
60		0.1	0.4	0.6	0.4	0.3	0.2	0.2	0.2	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	1.7	1.1	1.1	1.7	1.0	0.6	0.4	0.4	0.2	0.2			
40		0.3	1.0	2.6	4.9	7.1	9.9	11.9	11.9	9.9	7.1	4.9	2.6	1.0	0.3				
30	0.2	0.5	4.7	14.9	35.4	53.7	92.9	176.2	176.2	92.9	53.7	35.4	14.9	4.7	0.5	0.2			
20		1.4	9.9	39.5	90.6	169.4	1106.7	3429.3	3429.3	1106.7	169.4	90.6	39.5	9.9	1.4				
10	0.3	2.2	12.9	53.1	107.6	339.4	3252.7	9748.4	9748.4	3252.7	339.4	107.6	53.1	12.9	2.2	0.3			
0		2.7	13.8	53.2	107.4	323.6	3059.2	8866.0	8866.0	3059.2	323.6	107.4	53.2	13.8	2.7				
-10	0.6	3.2	13.2	42.6	90.8	157.4	899.9	2605.8	2605.8	899.9	157.4	90.8	42.6	13.2	3.2	0.6			
-20		3.2	12.4	30.2	81.4	121.5	184.5	356.7	356.7	184.5	121.5	81.4	30.2	12.4	3.2				
-30	0.5	2.8	10.7	22.7	56.7	117.9	153.2	171.2	171.2	153.2	117.9	56.7	22.7	10.7	2.8	0.5			
-40		2.0	8.0	18.7	33.5	56.8	97.2	129.5	129.5	97.2	56.8	33.5	18.7	8.0	2.0				
-50	0.3	1.0	4.8	12.4	23.9	36.2	47.1	53.3	53.3	47.1	36.2	23.9	12.4	4.8	1.0	0.3			
-60		0.4	1.6	5.0	10.5	16.9	23.2	26.8	26.8	23.2	16.9	10.5	5.0	1.6	0.4				
-70	0.2	1.2		3.6		8.3		11.2		8.3		3.6		1.2		0.2			
-80		1.2		3.6		8.3		11.2		8.3		3.6		1.2					
-90	0.2	1.2		3.6		8.3		11.2		8.3		3.6		1.2		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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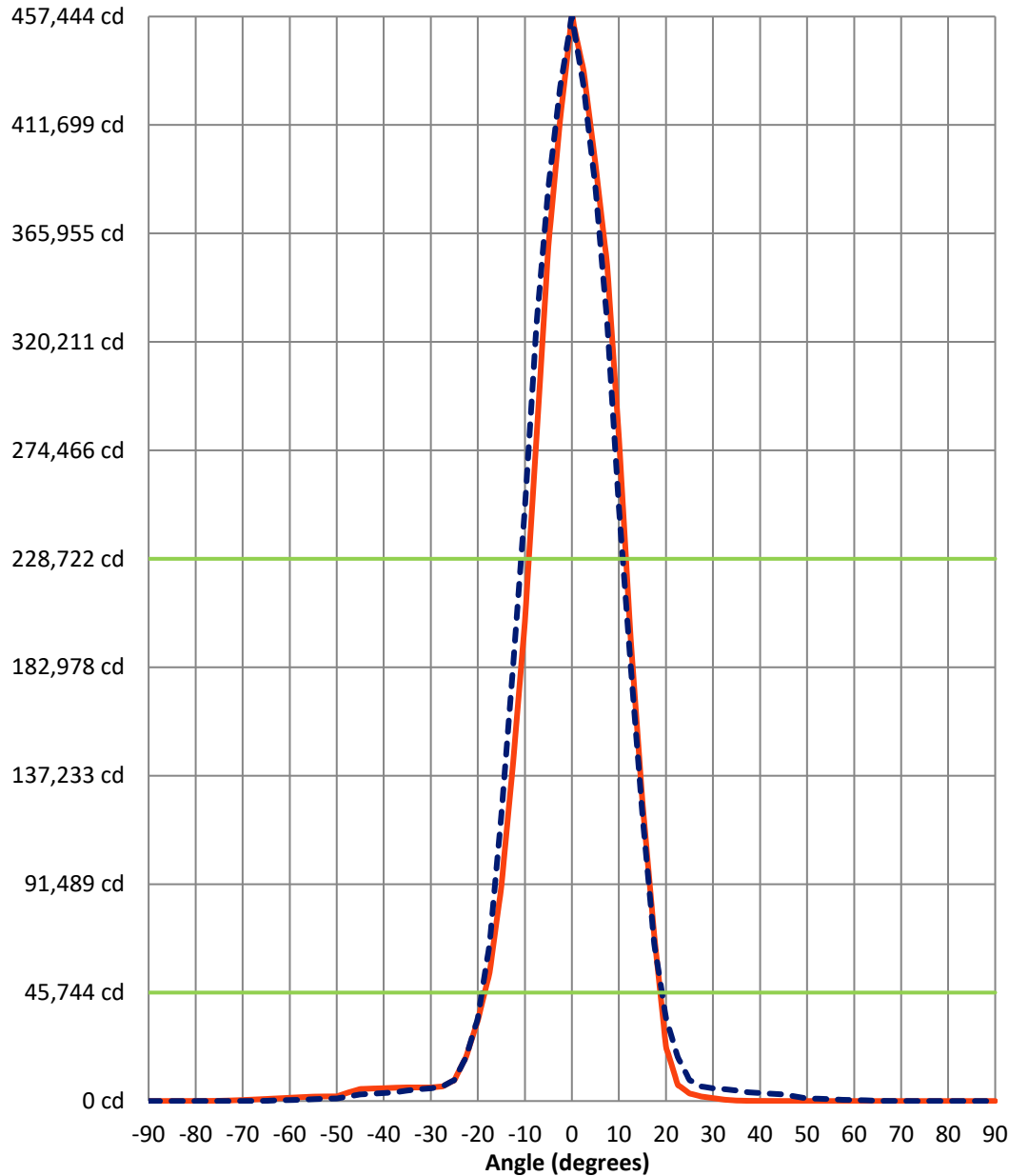
### Luminous Intensity Polar Plot



— 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: 34347.9  
 Efficiency: 46.4%

**Field:**  
 H Angle: 38.3°  
 V Angle: 37.3°  
 Lumens: 62531.8  
 Efficiency: 84.5%

**Spill:**  
 Lumens: 11437.2  
 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°	5.4	6.3	7.2	7.7	8.2	8.6	9.1	9.6	10.0	10.5	10.9
87.5°	5.4	5.4	5.4	5.0	4.7	4.3	4.1	4.0	3.9	3.8	3.6
85°	5.4	5.5	5.4	5.1	4.8	4.6	4.5	4.4	4.2	4.0	3.6
82.5°	5.4	5.5	5.4	5.1	5.0	4.9	5.0	4.8	4.5	4.3	4.1
80°	5.4	5.6	5.4	5.2	5.1	5.2	5.4	5.1	4.9	4.8	4.8
77.5°	5.4	5.6	5.4	5.3	5.3	5.4	5.4	5.2	5.2	5.3	5.4
75°	5.4	5.6	5.4	5.3	5.4	5.5	5.4	5.3	5.4	5.4	5.4
72.5°	5.4	5.7	5.4	5.4	5.6	5.7	5.5	5.4	5.4	5.4	5.4
70°	5.4	5.7	5.5	5.4	5.8	5.8	5.6	5.4	5.4	5.4	5.5
67.5°	5.4	5.8	5.5	5.6	5.9	6.0	5.6	5.4	5.4	5.7	5.6
65°	5.4	5.8	5.5	5.8	6.1	6.1	5.6	5.4	5.8	6.0	5.8
62.5°	5.4	5.9	5.6	6.0	6.3	6.1	5.7	5.7	6.2	6.3	5.9
60°	5.4	5.9	5.6	6.2	6.5	6.1	5.7	6.2	6.7	6.3	5.9
57.5°	5.4	6.0	5.8	6.3	6.6	6.2	6.2	6.7	6.8	6.4	6.5
55°	5.4	6.0	5.9	6.5	6.6	6.2	6.6	7.2	6.9	6.7	7.3
52.5°	5.4	6.1	6.1	6.7	6.7	6.4	7.1	7.4	7.0	7.4	8.0
50°	5.4	6.1	6.2	6.9	6.7	6.7	7.5	7.5	7.2	8.0	9.8
47.5°	5.4	6.2	6.3	7.1	6.8	7.1	7.9	7.6	7.8	8.7	11.6
45°	5.4	6.2	6.5	7.1	6.8	7.5	8.0	7.7	8.5	10.0	13.1
42.5°	5.4	6.3	6.6	7.2	6.9	7.8	8.1	8.1	9.2	11.1	15.0
40°	5.4	6.3	6.7	7.2	7.0	8.2	8.2	8.7	10.0	12.1	17.0
37.5°	5.4	6.4	6.7	7.3	7.3	8.5	8.3	9.3	11.1	13.5	18.9
35°	5.4	6.5	6.8	7.3	7.6	8.7	8.4	10.0	12.1	15.7	20.5
32.5°	5.4	6.5	6.9	7.4	7.8	8.8	8.6	10.7	13.1	17.9	22.7
30°	5.4	6.6	7.0	7.5	8.1	8.8	9.2	11.4	14.0	20.1	25.1
27.5°	5.4	6.6	7.0	7.6	8.3	8.9	9.7	12.2	15.3	22.4	27.6
25°	5.4	6.7	7.1	7.7	8.5	9.0	10.3	12.9	17.1	24.6	30.4
22.5°	5.4	6.7	7.1	7.8	8.6	9.1	10.8	13.7	18.9	26.7	35.3
20°	5.4	6.8	7.1	8.0	8.8	9.3	11.3	14.3	20.6	28.9	40.9
17.5°	5.4	6.9	7.1	8.1	8.9	9.4	11.8	14.9	22.3	31.1	47.0
15°	5.4	6.9	7.2	8.2	9.0	9.6	12.3	15.5	23.9	33.3	53.4
12.5°	5.4	7.0	7.2	8.4	9.0	9.8	12.8	16.1	25.2	35.4	60.0
10°	5.4	7.0	7.2	8.5	9.1	10.0	13.2	16.6	26.3	38.1	66.7
7.5°	5.4	7.1	7.2	8.7	9.1	10.3	13.6	17.0	27.2	41.0	73.4
5°	5.4	7.1	7.2	8.8	9.1	10.5	13.9	17.4	28.0	43.8	79.8
2.5°	5.4	7.2	7.2	9.0	9.1	10.7	14.2	17.8	28.6	46.5	85.5
0°	5.4	7.2	7.2	9.1	9.1	10.9	14.5	18.1	29.0	48.9	90.6
-2.5°	5.4	7.2	7.3	9.2	9.4	11.5	15.9	22.3	37.8	64.4	112.9
-5°	5.4	7.3	7.4	9.3	9.7	12.1	17.3	26.4	46.2	79.2	134.0
-7.5°	5.4	7.3	7.4	9.4	10.0	12.6	18.6	30.2	54.0	93.0	153.5
-10°	5.4	7.3	7.5	9.5	10.3	13.1	19.7	33.6	61.0	105.4	171.1
-12.5°	5.4	7.4	7.6	9.6	10.6	13.5	20.7	36.5	67.0	116.1	186.1
-15°	5.4	7.4	7.7	9.6	10.9	13.9	21.5	38.9	72.9	125.2	198.3
-17.5°	5.4	7.4	7.8	9.7	11.1	14.3	22.1	41.5	78.8	132.8	207.5
-20°	5.4	7.4	7.9	9.7	11.3	14.6	22.8	44.2	83.2	138.8	213.5



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.4	7.4	7.9	9.7	11.5	14.8	23.6	45.8	86.0	143.0	216.0
-25°	5.4	7.4	8.0	9.7	11.6	15.0	24.0	46.2	87.1	145.4	214.9
-27.5°	5.4	7.4	8.1	9.7	11.7	15.2	23.8	45.4	86.4	146.2	216.5
-30°	5.4	7.4	8.2	9.7	11.8	15.3	23.1	43.3	85.0	145.1	216.0
-32.5°	5.4	7.4	8.2	9.7	11.9	15.3	21.7	41.9	82.5	141.5	213.1
-35°	5.4	7.4	8.3	9.7	12.0	15.1	21.1	40.3	78.2	135.3	207.8
-37.5°	5.4	7.4	8.4	9.6	12.0	15.0	20.9	37.8	71.8	126.4	195.0
-40°	5.4	7.4	8.4	9.6	12.1	15.1	20.6	34.4	63.5	116.7	179.1
-42.5°	5.4	7.4	8.5	9.5	12.1	15.1	20.0	30.0	56.9	103.5	160.6
-45°	5.4	7.3	8.5	9.5	12.0	15.0	19.3	26.6	50.7	88.2	140.2
-47.5°	5.4	7.3	8.6	9.4	12.0	14.9	18.5	25.5	43.3	71.4	121.0
-50°	5.4	7.3	8.7	9.5	11.8	14.8	18.1	24.2	34.4	61.1	99.9
-52.5°	5.4	7.2	8.7	9.6	11.7	14.6	17.9	22.7	30.2	49.9	77.9
-55°	5.4	7.2	8.8	9.6	11.5	14.3	17.5	21.1	28.0	37.8	64.0
-57.5°	5.4	7.1	8.8	9.6	11.3	14.0	17.1	20.6	25.5	32.7	49.0
-60°	5.4	7.1	8.8	9.6	11.1	13.7	16.6	19.9	23.3	29.6	37.0
-62.5°	5.4	7.0	8.7	9.6	11.0	13.3	16.1	19.2	22.3	26.3	33.1
-65°	5.4	7.0	8.6	9.6	10.8	12.8	15.5	18.3	21.2	24.5	28.9
-67.5°	5.4	6.9	8.5	9.5	10.7	12.4	14.8	17.4	20.1	23.1	26.3
-70°	5.4	6.9	8.4	9.5	10.5	12.0	14.1	16.4	18.9	21.5	24.5
-72.5°	5.4	6.8	8.3	9.3	10.2	11.6	13.4	15.4	17.6	19.9	22.5
-75°	5.4	6.7	8.1	9.1	10.0	11.1	12.6	14.4	16.2	18.3	20.5
-77.5°	5.4	6.7	8.0	8.9	9.7	10.6	11.8	13.4	15.1	16.7	18.4
-80°	5.4	6.6	7.8	8.6	9.4	10.2	11.0	12.4	13.9	15.4	16.8
-82.5°	5.4	6.5	7.7	8.4	9.1	9.8	10.5	11.5	12.7	14.1	15.4
-85°	5.4	6.5	7.5	8.2	8.8	9.4	10.0	10.9	11.8	12.8	13.9
-87.5°	5.4	6.4	7.4	7.9	8.5	9.0	9.6	10.2	10.9	11.7	12.4
-90°	5.4	5.4	5.4	5.0	4.5	4.1	3.6	3.6	3.6	3.6	3.6



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.9	10.9	10.9	10.9	11.4	11.8	12.3	12.7	13.2	13.6	14.1
87.5°	3.4	3.2	3.0	2.8	2.6	2.4	2.1	1.8	1.8	1.8	1.8
85°	3.6	3.6	3.6	3.6	3.2	2.7	2.3	1.8	1.8	1.8	1.8
82.5°	4.1	4.1	3.9	3.6	3.2	2.7	2.3	2.1	2.1	2.1	2.0
80°	4.8	4.6	4.1	3.7	3.4	3.2	3.2	3.3	3.1	2.9	2.6
77.5°	5.1	4.6	4.2	3.7	3.7	4.0	4.3	4.5	4.5	4.3	4.1
75°	5.1	4.7	4.4	4.4	4.7	5.1	5.4	5.4	5.2	5.1	5.1
72.5°	5.2	5.0	5.1	5.4	5.4	5.4	5.4	5.4	6.9	8.9	10.3
70°	5.3	5.4	5.4	5.4	5.4	5.9	8.4	12.0	15.8	17.7	19.6
67.5°	5.4	5.4	5.4	5.6	7.0	9.7	13.8	21.6	29.9	31.9	31.6
65°	5.4	5.4	6.1	7.4	8.9	15.6	24.1	33.8	41.1	40.0	37.5
62.5°	5.4	6.1	7.4	10.1	15.4	23.4	31.1	38.1	45.1	43.9	37.8
60°	6.1	7.1	10.1	15.4	21.3	27.2	34.5	39.0	43.6	44.7	34.1
57.5°	7.0	9.2	14.2	19.8	24.8	29.1	31.8	35.8	37.4	36.3	26.6
55°	8.5	12.2	17.6	22.9	26.5	25.4	27.1	28.4	27.9	25.7	18.9
52.5°	11.1	15.1	20.4	24.8	25.3	22.9	21.4	21.6	20.0	17.0	14.7
50°	13.3	17.9	22.8	25.3	24.2	20.5	17.1	16.6	15.4	14.0	12.7
47.5°	15.7	20.6	24.6	25.9	22.3	19.1	15.8	14.7	13.9	14.3	13.5
45°	18.1	22.7	26.7	24.5	21.4	18.8	17.4	14.5	16.3	17.4	18.0
42.5°	20.4	24.6	26.3	23.3	21.6	21.6	21.3	20.6	21.6	26.1	28.7
40°	22.1	26.4	26.2	25.6	23.7	27.3	30.6	33.3	33.5	39.4	44.0
37.5°	23.6	27.0	28.5	32.1	30.4	37.0	42.7	65.3	66.2	54.8	74.3
35°	25.1	28.4	37.5	47.8	51.9	50.5	82.4	112.2	119.6	107.6	127.6
32.5°	26.6	30.5	49.7	73.8	95.7	97.2	133.8	181.2	206.1	214.5	225.6
30°	29.4	41.8	68.6	106.6	159.1	202.1	219.5	270.5	316.5	408.6	473.1
27.5°	34.6	56.6	100.1	165.2	245.7	326.8	354.6	390.1	510.7	673.9	835.3
25°	41.0	87.9	136.0	242.8	365.9	455.9	491.3	539.1	766.9	1082.3	1267.8
22.5°	57.4	128.1	190.3	332.1	499.2	581.7	627.9	799.6	1148.0	1566.9	1754.9
20°	86.8	176.1	256.3	406.8	633.0	706.5	758.4	1115.5	1622.7	2020.7	2315.5
17.5°	120.8	224.1	322.0	485.5	691.0	801.5	910.0	1464.2	2120.2	2470.1	2817.2
15°	158.2	271.9	378.9	555.5	743.4	858.6	1143.2	1858.9	2569.9	2911.3	3257.6
12.5°	197.8	319.0	427.7	617.0	795.2	911.7	1355.0	2140.3	2810.2	3259.3	3674.8
10°	238.4	364.9	469.4	670.2	845.4	960.9	1553.1	2379.4	2937.6	3337.1	3807.9
7.5°	265.7	394.9	501.8	715.1	893.0	1006.1	1732.6	2576.7	3024.0	3376.1	3794.5
5°	287.4	406.2	514.3	747.1	932.2	1041.8	1874.1	2732.6	3076.6	3382.2	3724.3
2.5°	304.6	413.9	524.0	771.9	963.5	1064.6	1920.9	2780.6	3087.0	3382.0	3690.7
0°	<b>317.0</b>	<b>418.4</b>	<b>530.7</b>	<b>789.7</b>	<b>989.0</b>	<b>1083.2</b>	<b>1930.9</b>	<b>2791.2</b>	<b>3079.2</b>	<b>3374.5</b>	<b>3704.2</b>
-2.5°	328.2	431.2	551.6	804.9	990.1	1085.3	1921.4	2778.8	3114.0	3456.2	3849.9
-5°	335.1	441.6	568.6	812.6	986.2	1084.0	1877.6	2729.3	3110.4	3457.6	3874.0
-7.5°	338.3	449.4	581.3	811.7	972.6	1069.2	1761.5	2570.8	2988.1	3315.2	3751.8
-10°	339.5	459.0	589.6	794.4	947.1	1044.6	1611.7	2382.7	2853.0	3159.4	3582.9
-12.5°	342.5	470.1	594.9	775.0	921.9	1016.5	1442.3	2169.0	2706.5	2992.2	3390.2
-15°	342.4	478.5	597.5	755.0	898.5	985.1	1257.3	1933.1	2597.5	2960.5	3285.7
-17.5°	339.2	484.5	597.8	735.8	878.1	950.5	1066.9	1724.8	2507.3	2947.4	3263.0
-20°	333.3	487.9	595.9	718.7	859.3	935.8	1030.7	1522.9	2267.6	2901.0	3254.0



REPORT NUMBER: P1305597 (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°	324.9	488.9	593.9	710.1	844.4	940.6	1021.9	1301.7	1950.9	2824.0	3193.3
-25°	320.4	474.5	591.4	699.9	828.7	946.2	1012.8	1097.8	1638.1	2436.3	3051.1
-27.5°	317.9	458.0	577.9	683.2	808.5	944.8	1013.6	1085.5	1373.4	1993.8	2831.4
-30°	310.5	430.7	559.6	661.3	784.8	918.1	1020.2	1076.7	1157.4	1638.6	2322.2
-32.5°	295.0	402.1	529.6	637.5	753.8	887.0	1013.3	1076.4	1145.4	1288.1	1839.8
-35°	278.5	379.6	495.1	607.9	715.6	845.0	968.4	1074.0	1133.7	1207.6	1454.3
-37.5°	265.5	354.3	459.8	571.7	678.0	794.3	918.7	1035.4	1124.7	1199.2	1293.2
-40°	249.2	326.2	427.6	532.6	636.4	744.0	860.4	977.9	1090.5	1203.5	1289.2
-42.5°	229.5	304.4	393.9	492.6	592.2	695.5	799.5	912.8	1044.2	1186.5	1296.4
-45°	206.1	278.9	358.7	450.1	543.7	643.0	743.6	846.0	984.6	1130.8	1268.6
-47.5°	179.8	249.7	325.7	404.4	492.8	585.4	683.2	790.4	912.0	1051.6	1201.7
-50°	152.0	216.9	287.8	360.9	439.7	525.3	615.7	723.9	838.3	960.6	1096.1
-52.5°	125.8	180.8	246.5	316.2	387.6	464.2	549.0	645.8	753.1	867.0	980.9
-55°	97.4	146.9	201.8	267.0	335.5	404.5	478.6	564.5	657.7	761.6	863.7
-57.5°	75.5	111.8	159.0	213.5	277.3	344.2	409.8	479.6	561.3	649.8	735.8
-60°	57.2	82.1	116.9	163.0	214.2	274.4	337.4	400.9	466.7	532.5	605.8
-62.5°	40.5	59.7	82.8	113.3	157.1	201.8	254.5	313.0	375.0	431.5	485.6
-65°	35.5	41.1	56.8	78.3	100.9	137.9	177.8	218.7	269.9	320.5	372.0
-67.5°	30.1	35.3	40.4	48.6	68.0	87.3	106.6	141.4	176.9	209.3	243.7
-70°	27.3	29.9	34.1	38.7	43.1	51.2	68.0	84.7	100.9	120.2	147.4
-72.5°	24.9	27.1	29.4	32.0	35.8	39.7	43.6	47.3	56.9	70.2	82.6
-75°	22.4	24.1	26.1	28.1	30.4	32.7	35.3	38.6	41.7	44.6	47.6
-77.5°	20.0	21.5	23.0	24.5	25.9	27.8	29.7	31.7	33.5	35.2	37.0
-80°	17.8	18.9	20.2	21.4	22.4	23.5	24.6	25.8	26.8	27.8	28.9
-82.5°	16.0	16.7	17.5	18.3	19.0	19.6	20.1	20.8	21.7	22.7	23.5
-85°	14.2	14.5	14.9	15.3	16.0	16.7	17.3	17.8	18.2	18.7	19.2
-87.5°	12.6	12.7	12.8	13.0	13.5	14.1	14.7	15.2	15.5	15.7	15.8
-90°	3.2	2.7	2.3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	14.5	14.5	14.5	14.5	14.5	15.0	15.4	15.9	16.3	16.3	16.3
87.5°	1.8	1.7	1.7	1.6	1.6	1.3	0.8	0.4	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	2.4	2.3	2.2	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	3.9	3.6	3.1	2.6	1.9	1.8	1.8	1.8	1.8	1.8	1.8
75°	5.2	5.1	5.0	4.5	3.7	3.5	3.6	3.5	3.3	3.3	3.4
72.5°	11.0	10.9	10.3	9.4	8.1	7.5	7.3	7.0	6.5	6.3	6.1
70°	20.0	19.4	18.2	16.2	13.5	11.6	10.6	9.3	7.8	7.1	7.1
67.5°	28.8	25.9	23.4	20.6	16.9	13.9	12.2	10.7	9.2	8.5	8.1
65°	33.3	26.6	22.2	18.7	16.1	13.6	11.7	10.0	8.5	7.6	7.4
62.5°	30.6	22.2	17.5	14.7	12.4	10.7	9.4	8.1	6.8	6.0	6.3
60°	25.0	17.1	13.1	11.5	10.2	9.2	8.0	6.9	6.0	5.5	6.0
57.5°	19.1	13.7	10.8	10.1	9.1	7.8	6.9	6.7	6.5	6.6	6.9
55°	14.3	12.1	10.9	9.6	8.5	7.6	7.3	7.5	7.5	7.2	7.2
52.5°	12.2	11.2	9.9	8.8	8.6	8.7	9.0	8.6	8.4	8.4	8.6
50°	11.9	10.9	10.0	9.1	9.4	9.5	9.2	9.5	10.0	10.2	10.4
47.5°	12.8	12.1	12.8	10.8	11.2	12.5	12.6	12.8	14.4	15.2	15.4
45°	16.9	20.6	20.6	19.0	18.3	26.4	27.0	22.6	36.8	35.3	24.9
42.5°	31.3	33.2	33.2	41.6	56.2	64.1	85.0	118.3	110.8	86.1	52.1
40°	51.7	49.1	59.9	76.9	94.0	114.1	142.8	199.4	189.8	151.9	167.0
37.5°	89.2	89.2	94.4	118.0	124.6	107.3	152.5	147.3	117.3	165.1	174.6
35°	163.2	179.5	152.3	188.9	193.9	178.4	187.1	206.7	178.9	214.0	229.1
32.5°	293.0	323.3	327.3	336.2	363.2	383.9	378.1	426.3	428.7	474.3	536.7
30°	468.3	531.1	596.2	606.3	639.9	694.5	721.9	819.1	922.0	989.4	1113.3
27.5°	823.2	838.7	969.5	1072.6	1031.6	1113.3	1317.8	1436.4	1633.1	1750.4	1875.0
25°	1322.2	1364.9	1549.2	1739.1	1764.4	1839.1	2136.2	2305.8	2508.6	2627.0	2884.0
22.5°	1955.4	2139.5	2342.4	2592.1	2694.6	2870.0	3158.9	3407.6	3830.0	4352.7	5478.9
20°	2660.8	2937.4	3210.2	3429.6	3640.8	3919.8	4271.2	5471.5	6893.7	11178.8	14135.4
17.5°	3264.4	3717.6	3978.2	4190.6	4455.7	4993.9	6389.1	9926.1	16746.8	26287.1	35020.0
15°	3733.9	4156.9	4576.1	4842.4	5256.7	6448.0	9286.6	17961.1	32094.7	48199.5	67687.7
12.5°	4106.0	4457.3	4809.4	5201.1	5966.9	8288.5	15510.5	28906.6	49459.4	75491.8	110041.0
10°	4307.0	4658.5	4998.3	5556.0	6973.4	11200.9	21322.2	38988.5	71246.1	111902.8	155933.4
7.5°	4305.5	4734.0	5154.3	5834.5	7999.2	14681.0	28168.3	52074.3	90229.3	141201.4	197886.8
5°	4303.2	4821.7	5261.9	6029.7	8640.8	17056.0	32417.7	59321.3	105686.5	163208.5	223904.7
2.5°	4345.0	4915.6	5331.5	6158.2	8938.1	18330.4	34774.9	65045.4	116493.0	175734.7	240593.4
0°	4443.2	4999.2	5372.4	6171.2	8902.6	18593.2	35049.1	66430.2	120652.1	183591.0	250147.1
-2.5°	4605.7	4987.2	5349.3	6119.0	8783.9	18050.9	34408.7	65222.2	115832.9	174848.8	239262.7
-5°	4507.9	4816.0	5136.2	5828.8	8201.4	16149.6	30994.7	58363.2	101590.3	154586.9	209766.4
-7.5°	4256.8	4569.0	4865.7	5463.0	7361.7	13327.2	25354.0	46884.6	80647.8	121921.3	165261.2
-10°	4027.9	4307.9	4587.2	5065.0	6290.1	9775.0	18143.0	33181.0	58882.2	89995.1	123115.7
-12.5°	3851.6	4086.9	4301.9	4622.2	5303.5	7249.9	13199.3	24360.3	39540.5	59348.6	83588.0
-15°	3696.5	3879.4	4037.6	4345.7	4852.2	5869.0	8224.6	14600.8	24059.5	36540.8	49776.3
-17.5°	3553.0	3728.4	3915.3	4150.1	4468.9	4957.1	6310.3	8992.2	14449.1	22602.3	30408.2
-20°	3479.7	3694.3	3854.9	4038.5	4309.2	4684.3	5159.8	6490.2	8739.4	13750.1	18825.5



REPORT NUMBER: P1305597 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-2S-CV1-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3421.7	3626.5	3809.8	4022.8	4300.7	4596.9	4853.5	5259.8	6321.0	7894.6	10514.7
-25°	3351.2	3553.0	3824.2	4134.3	4373.1	4597.0	4727.2	4811.9	5267.2	5717.1	6720.1
-27.5°	3217.4	3537.2	3935.4	4270.2	4527.1	4666.1	4771.0	4839.6	5112.6	5380.8	5672.6
-30°	3097.8	3588.0	4017.9	4407.3	4631.0	4800.7	4937.5	5061.1	5249.8	5477.0	5583.1
-32.5°	2673.2	3574.2	4052.4	4410.8	4640.7	4841.0	5051.7	5166.0	5332.2	5498.5	5632.6
-35°	2099.7	3015.4	4015.1	4220.3	4448.5	4709.6	4962.7	5125.4	5294.6	5465.9	5623.8
-37.5°	1572.9	2257.7	3068.5	3810.0	4116.1	4383.4	4694.1	4944.7	5166.1	5353.0	5532.9
-40°	1378.7	1564.5	2160.9	2749.8	3375.3	3949.4	4256.6	4592.1	4925.3	5156.0	5361.4
-42.5°	1376.6	1447.7	1508.6	1903.3	2384.5	2878.3	3400.7	3887.7	4429.8	4809.8	5098.1
-45°	1385.3	1440.8	1497.5	1554.7	1607.2	1970.4	2351.4	2737.7	3303.5	3865.2	4350.7
-47.5°	1319.4	1426.3	1494.3	1549.1	1601.1	1652.1	1701.9	1806.1	2167.8	2550.6	2900.5
-50°	1214.8	1325.0	1426.2	1527.7	1587.3	1637.7	1691.9	1751.5	1809.3	1868.1	1907.3
-52.5°	1086.6	1195.0	1300.3	1396.6	1483.4	1568.7	1653.9	1723.1	1784.9	1845.1	1875.1
-55°	963.9	1061.4	1157.4	1242.2	1326.8	1410.9	1495.7	1580.0	1663.8	1746.0	1788.1
-57.5°	827.7	922.5	1012.8	1084.2	1156.1	1227.8	1304.8	1384.0	1460.4	1530.4	1567.2
-60°	683.3	764.5	841.9	911.1	978.4	1043.2	1108.5	1174.6	1239.2	1296.2	1329.6
-62.5°	539.7	602.4	666.8	727.2	784.5	839.8	899.3	956.2	1010.0	1055.3	1086.9
-65°	422.5	469.4	510.6	552.4	594.9	643.4	692.5	739.0	782.4	818.4	845.3
-67.5°	286.9	329.9	367.8	403.3	435.9	469.0	504.2	538.0	570.0	596.5	617.4
-70°	173.5	197.7	219.3	243.2	271.6	299.5	327.4	353.1	376.5	395.7	410.9
-72.5°	94.3	104.5	115.5	132.8	148.6	164.5	180.1	194.4	207.4	218.9	228.9
-75°	50.7	55.1	63.1	70.2	76.6	83.0	89.2	94.9	100.0	104.2	107.7
-77.5°	39.1	41.3	43.2	44.9	46.4	47.8	49.2	50.5	51.7	53.0	54.1
-80°	30.1	31.6	33.0	34.4	35.7	36.6	37.4	38.0	38.6	39.3	40.1
-82.5°	24.2	24.8	25.5	26.2	26.9	27.6	28.4	29.1	29.8	30.1	30.4
-85°	19.7	20.0	20.3	20.5	20.7	20.9	21.2	21.3	21.5	21.5	21.6
-87.5°	16.0	16.0	16.1	16.1	16.1	16.6	17.1	17.6	18.0	18.1	18.1
-90°	1.8	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305597 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	15.9
87.5°	0.0	0.0	0.9	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.4
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	3.5	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.3	3.3	3.5
72.5°	5.8	5.4	5.4	5.4	5.4	5.4	5.8	6.1	6.3	6.5	7.0
70°	7.1	7.1	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.8	9.3
67.5°	7.7	7.3	6.4	5.4	6.4	7.3	7.7	8.1	8.5	9.2	10.7
65°	7.3	7.2	6.4	5.4	6.4	7.2	7.3	7.4	7.6	8.5	10.0
62.5°	6.6	7.1	6.4	5.4	6.4	7.1	6.6	6.3	6.0	6.8	8.1
60°	6.5	7.1	7.2	7.2	7.2	7.1	6.5	6.0	5.5	6.0	6.9
57.5°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	6.9	6.6	6.5	6.7
55°	7.2	7.2	7.9	9.1	7.9	7.2	7.2	7.2	7.2	7.5	7.5
52.5°	8.8	9.0	9.1	9.1	9.1	9.0	8.8	8.6	8.4	8.4	8.6
50°	10.6	10.8	10.9	10.9	10.9	10.8	10.6	10.4	10.2	10.0	9.5
47.5°	15.4	14.8	14.4	14.5	14.4	14.8	15.4	15.4	15.2	14.4	12.8
45°	25.3	25.2	25.2	25.4	25.2	25.2	25.3	24.9	35.3	36.8	22.6
42.5°	50.7	45.7	41.8	43.5	41.8	45.7	50.7	52.1	86.1	110.8	118.3
40°	149.1	102.4	59.3	59.8	59.3	102.4	149.1	167.0	151.9	189.8	199.4
37.5°	139.2	112.3	101.3	99.6	101.3	112.3	139.2	174.6	165.1	117.3	147.3
35°	229.8	228.4	218.4	217.4	218.4	228.4	229.8	229.1	214.0	178.9	206.7
32.5°	560.7	583.7	576.3	566.9	576.3	583.7	560.7	536.7	474.3	428.7	426.3
30°	1172.1	1223.1	1212.7	1240.8	1212.7	1223.1	1172.1	1113.3	989.4	922.0	819.1
27.5°	1944.0	1977.4	1942.9	1932.7	1942.9	1977.4	1944.0	1875.0	1750.4	1633.1	1436.4
25°	3059.6	3124.3	3154.1	3215.1	3154.1	3124.3	3059.6	2884.0	2627.0	2508.6	2305.8
22.5°	6879.1	7279.9	7074.0	6890.3	7074.0	7279.9	6879.1	5478.9	4352.7	3830.0	3407.6
20°	20188.2	23753.9	23491.1	23021.9	23491.1	23753.9	20188.2	14135.4	11178.8	6893.7	5471.5
17.5°	48679.8	59634.0	66455.8	70045.6	66455.8	59634.0	48679.8	35020.0	26287.1	16746.8	9926.1
15°	90816.0	109241.0	120059.2	126194.8	120059.2	109241.0	90816.0	67687.7	48199.5	32094.7	17961.1
12.5°	143256.1	172134.6	191292.8	194955.3	191292.8	172134.6	143256.1	110041.0	75491.8	49459.4	28906.6
10°	200999.7	237986.6	268490.4	279615.5	268490.4	237986.6	200999.7	155933.4	111902.8	71246.1	38988.5
7.5°	250314.6	297514.0	338018.8	352425.2	338018.8	297514.0	250314.6	197886.8	141201.4	90229.3	52074.3
5°	286174.4	348786.3	385449.8	395342.6	385449.8	348786.3	286174.4	223904.7	163208.5	105686.5	59321.3
2.5°	315364.4	374798.6	414107.0	434373.9	414107.0	374798.6	315364.4	240593.4	175734.7	116493.0	65045.4
0°	328198.7	385315.2	427709.1	457443.8	427709.1	385315.2	328198.7	250147.1	183591.0	120652.1	66430.2
-2.5°	312426.4	370835.9	400992.8	414025.5	400992.8	370835.9	312426.4	239262.7	174848.8	115832.9	65222.2
-5°	265627.8	320689.2	350999.2	360628.7	350999.2	320689.2	265627.8	209766.4	154586.9	101590.3	58363.2
-7.5°	207200.7	245347.3	271497.8	280611.8	271497.8	245347.3	207200.7	165261.2	121921.3	80647.8	46884.6
-10°	156017.6	183375.3	197389.0	202125.4	197389.0	183375.3	156017.6	123115.7	89995.1	58882.2	33181.0
-12.5°	107130.2	127725.1	136783.7	142734.8	136783.7	127725.1	107130.2	83588.0	59348.6	39540.5	24360.3
-15°	65898.7	79325.1	86457.9	90529.8	86457.9	79325.1	65898.7	49776.3	36540.8	24059.5	14600.8
-17.5°	40036.9	47335.1	52062.1	54203.8	52062.1	47335.1	40036.9	30408.2	22602.3	14449.1	8992.2
-20°	24855.9	29715.2	32475.3	34058.3	32475.3	29715.2	24855.9	18825.5	13750.1	8739.4	6490.2



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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°	13963.3	16629.6	18124.6	18645.7	18124.6	16629.6	13963.3	10514.7	7894.6	6321.0	5259.8
-25°	7764.8	8443.5	8740.4	8810.3	8740.4	8443.5	7764.8	6720.1	5717.1	5267.2	4811.9
-27.5°	5925.6	6070.3	6162.0	6189.3	6162.0	6070.3	5925.6	5672.6	5380.8	5112.6	4839.6
-30°	5684.0	5699.1	5724.3	5720.2	5724.3	5699.1	5684.0	5583.1	5477.0	5249.8	5061.1
-32.5°	5727.2	5732.7	5737.8	5729.2	5737.8	5732.7	5727.2	5632.6	5498.5	5332.2	5166.0
-35°	5710.1	5726.5	5739.3	5745.5	5739.3	5726.5	5710.1	5623.8	5465.9	5294.6	5125.4
-37.5°	5604.4	5627.0	5638.1	5627.8	5638.1	5627.0	5604.4	5532.9	5353.0	5166.1	4944.7
-40°	5410.7	5427.0	5428.1	5419.5	5428.1	5427.0	5410.7	5361.4	5156.0	4925.3	4592.1
-42.5°	5185.9	5243.1	5270.1	5270.9	5270.1	5243.1	5185.9	5098.1	4809.8	4429.8	3887.7
-45°	4658.5	4897.3	5039.0	5073.5	5039.0	4897.3	4658.5	4350.7	3865.2	3303.5	2737.7
-47.5°	3180.1	3417.4	3571.7	3629.9	3571.7	3417.4	3180.1	2900.5	2550.6	2167.8	1806.1
-50°	1935.8	1964.5	1977.1	1974.3	1977.1	1964.5	1935.8	1907.3	1868.1	1809.3	1751.5
-52.5°	1898.2	1920.9	1934.9	1941.7	1934.9	1920.9	1898.2	1875.1	1845.1	1784.9	1723.1
-55°	1822.7	1851.2	1865.8	1869.3	1865.8	1851.2	1822.7	1788.1	1746.0	1663.8	1580.0
-57.5°	1598.2	1623.0	1637.2	1642.9	1637.2	1623.0	1598.2	1567.2	1530.4	1460.4	1384.0
-60°	1356.6	1377.4	1386.5	1387.5	1386.5	1377.4	1356.6	1329.6	1296.2	1239.2	1174.6
-62.5°	1113.1	1133.8	1140.6	1139.3	1140.6	1133.8	1113.1	1086.9	1055.3	1010.0	956.2
-65°	867.8	885.8	889.3	885.7	889.3	885.8	867.8	845.3	818.4	782.4	739.0
-67.5°	634.9	648.9	653.0	652.1	653.0	648.9	634.9	617.4	596.5	570.0	538.0
-70°	423.1	432.1	431.8	427.5	431.8	432.1	423.1	410.9	395.7	376.5	353.1
-72.5°	237.4	244.3	249.8	253.6	249.8	244.3	237.4	228.9	218.9	207.4	194.4
-75°	110.6	112.7	115.5	117.7	115.5	112.7	110.6	107.7	104.2	100.0	94.9
-77.5°	55.1	55.9	57.0	58.0	57.0	55.9	55.1	54.1	53.0	51.7	50.5
-80°	40.8	41.5	41.7	41.7	41.7	41.5	40.8	40.1	39.3	38.6	38.0
-82.5°	30.6	30.7	30.8	30.8	30.8	30.7	30.6	30.4	30.1	29.8	29.1
-85°	21.6	21.7	22.6	23.5	22.6	21.7	21.6	21.6	21.5	21.5	21.3
-87.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.0	17.6
-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°	15.4	15.0	14.5	14.5	14.5	14.5	14.5	14.1	13.6	13.2	12.7
87.5°	0.8	1.3	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8
85°	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.1	2.1	2.1
80°	1.8	1.8	1.8	2.1	2.2	2.3	2.4	2.6	2.9	3.1	3.3
77.5°	1.8	1.8	1.9	2.6	3.1	3.6	3.9	4.1	4.3	4.5	4.5
75°	3.6	3.5	3.7	4.5	5.0	5.1	5.2	5.1	5.1	5.2	5.4
72.5°	7.3	7.5	8.1	9.4	10.3	10.9	11.0	10.3	8.9	6.9	5.4
70°	10.6	11.6	13.5	16.2	18.2	19.4	20.0	19.6	17.7	15.8	12.0
67.5°	12.2	13.9	16.9	20.6	23.4	25.9	28.8	31.6	31.9	29.9	21.6
65°	11.7	13.6	16.1	18.7	22.2	26.6	33.3	37.5	40.0	41.1	33.8
62.5°	9.4	10.7	12.4	14.7	17.5	22.2	30.6	37.8	43.9	45.1	38.1
60°	8.0	9.2	10.2	11.5	13.1	17.1	25.0	34.1	44.7	43.6	39.0
57.5°	6.9	7.8	9.1	10.1	10.8	13.7	19.1	26.6	36.3	37.4	35.8
55°	7.3	7.6	8.5	9.6	10.9	12.1	14.3	18.9	25.7	27.9	28.4
52.5°	9.0	8.7	8.6	8.8	9.9	11.2	12.2	14.7	17.0	20.0	21.6
50°	9.2	9.5	9.4	9.1	10.0	10.9	11.9	12.7	14.0	15.4	16.6
47.5°	12.6	12.5	11.2	10.8	12.8	12.1	12.8	13.5	14.3	13.9	14.7
45°	27.0	26.4	18.3	19.0	20.6	20.6	16.9	18.0	17.4	16.3	14.5
42.5°	85.0	64.1	56.2	41.6	33.2	33.2	31.3	28.7	26.1	21.6	20.6
40°	142.8	114.1	94.0	76.9	59.9	49.1	51.7	44.0	39.4	33.5	33.3
37.5°	152.5	107.3	124.6	118.0	94.4	89.2	89.2	74.3	54.8	66.2	65.3
35°	187.1	178.4	193.9	188.9	152.3	179.5	163.2	127.6	107.6	119.6	112.2
32.5°	378.1	383.9	363.2	336.2	327.3	323.3	293.0	225.6	214.5	206.1	181.2
30°	721.9	694.5	639.9	606.3	596.2	531.1	468.3	473.1	408.6	316.5	270.5
27.5°	1317.8	1113.3	1031.6	1072.6	969.5	838.7	823.2	835.3	673.9	510.7	390.1
25°	2136.2	1839.1	1764.4	1739.1	1549.2	1364.9	1322.2	1267.8	1082.3	766.9	539.1
22.5°	3158.9	2870.0	2694.6	2592.1	2342.4	2139.5	1955.4	1754.9	1566.9	1148.0	799.6
20°	4271.2	3919.8	3640.8	3429.6	3210.2	2937.4	2660.8	2315.5	2020.7	1622.7	1115.5
17.5°	6389.1	4993.9	4455.7	4190.6	3978.2	3717.6	3264.4	2817.2	2470.1	2120.2	1464.2
15°	9286.6	6448.0	5256.7	4842.4	4576.1	4156.9	3733.9	3257.6	2911.3	2569.9	1858.9
12.5°	15510.5	8288.5	5966.9	5201.1	4809.4	4457.3	4106.0	3674.8	3259.3	2810.2	2140.3
10°	21322.2	11200.9	6973.4	5556.0	4998.3	4658.5	4307.0	3807.9	3337.1	2937.6	2379.4
7.5°	28168.3	14681.0	7999.2	5834.5	5154.3	4734.0	4305.5	3794.5	3376.1	3024.0	2576.7
5°	32417.7	17056.0	8640.8	6029.7	5261.9	4821.7	4303.2	3724.3	3382.2	3076.6	2732.6
2.5°	34774.9	18330.4	8938.1	6158.2	5331.5	4915.6	4345.0	3690.7	3382.0	3087.0	2780.6
0°	<b>35049.1</b>	<b>18593.2</b>	<b>8902.6</b>	<b>6171.2</b>	<b>5372.4</b>	<b>4999.2</b>	<b>4443.2</b>	<b>3704.2</b>	<b>3374.5</b>	<b>3079.2</b>	<b>2791.2</b>
-2.5°	34408.7	18050.9	8783.9	6119.0	5349.3	4987.2	4605.7	3849.9	3456.2	3114.0	2778.8
-5°	30994.7	16149.6	8201.4	5828.8	5136.2	4816.0	4507.9	3874.0	3457.6	3110.4	2729.3
-7.5°	25354.0	13327.2	7361.7	5463.0	4865.7	4569.0	4256.8	3751.8	3315.2	2988.1	2570.8
-10°	18143.0	9775.0	6290.1	5065.0	4587.2	4307.9	4027.9	3582.9	3159.4	2853.0	2382.7
-12.5°	13199.3	7249.9	5303.5	4622.2	4301.9	4086.9	3851.6	3390.2	2992.2	2706.5	2169.0
-15°	8224.6	5869.0	4852.2	4345.7	4037.6	3879.4	3696.5	3285.7	2960.5	2597.5	1933.1
-17.5°	6310.3	4957.1	4468.9	4150.1	3915.3	3728.4	3553.0	3263.0	2947.4	2507.3	1724.8
-20°	5159.8	4684.3	4309.2	4038.5	3854.9	3694.3	3479.7	3254.0	2901.0	2267.6	1522.9



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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°	4853.5	4596.9	4300.7	4022.8	3809.8	3626.5	3421.7	3193.3	2824.0	1950.9	1301.7
-25°	4727.2	4597.0	4373.1	4134.3	3824.2	3553.0	3351.2	3051.1	2436.3	1638.1	1097.8
-27.5°	4771.0	4666.1	4527.1	4270.2	3935.4	3537.2	3217.4	2831.4	1993.8	1373.4	1085.5
-30°	4937.5	4800.7	4631.0	4407.3	4017.9	3588.0	3097.8	2322.2	1638.6	1157.4	1076.7
-32.5°	5051.7	4841.0	4640.7	4410.8	4052.4	3574.2	2673.2	1839.8	1288.1	1145.4	1076.4
-35°	4962.7	4709.6	4448.5	4220.3	4015.1	3015.4	2099.7	1454.3	1207.6	1133.7	1074.0
-37.5°	4694.1	4383.4	4116.1	3810.0	3068.5	2257.7	1572.9	1293.2	1199.2	1124.7	1035.4
-40°	4256.6	3949.4	3375.3	2749.8	2160.9	1564.5	1378.7	1289.2	1203.5	1090.5	977.9
-42.5°	3400.7	2878.3	2384.5	1903.3	1508.6	1447.7	1376.6	1296.4	1186.5	1044.2	912.8
-45°	2351.4	1970.4	1607.2	1554.7	1497.5	1440.8	1385.3	1268.6	1130.8	984.6	846.0
-47.5°	1701.9	1652.1	1601.1	1549.1	1494.3	1426.3	1319.4	1201.7	1051.6	912.0	790.4
-50°	1691.9	1637.7	1587.3	1527.7	1426.2	1325.0	1214.8	1096.1	960.6	838.3	723.9
-52.5°	1653.9	1568.7	1483.4	1396.6	1300.3	1195.0	1086.6	980.9	867.0	753.1	645.8
-55°	1495.7	1410.9	1326.8	1242.2	1157.4	1061.4	963.9	863.7	761.6	657.7	564.5
-57.5°	1304.8	1227.8	1156.1	1084.2	1012.8	922.5	827.7	735.8	649.8	561.3	479.6
-60°	1108.5	1043.2	978.4	911.1	841.9	764.5	683.3	605.8	532.5	466.7	400.9
-62.5°	899.3	839.8	784.5	727.2	666.8	602.4	539.7	485.6	431.5	375.0	313.0
-65°	692.5	643.4	594.9	552.4	510.6	469.4	422.5	372.0	320.5	269.9	218.7
-67.5°	504.2	469.0	435.9	403.3	367.8	329.9	286.9	243.7	209.3	176.9	141.4
-70°	327.4	299.5	271.6	243.2	219.3	197.7	173.5	147.4	120.2	100.9	84.7
-72.5°	180.1	164.5	148.6	132.8	115.5	104.5	94.3	82.6	70.2	56.9	47.3
-75°	89.2	83.0	76.6	70.2	63.1	55.1	50.7	47.6	44.6	41.7	38.6
-77.5°	49.2	47.8	46.4	44.9	43.2	41.3	39.1	37.0	35.2	33.5	31.7
-80°	37.4	36.6	35.7	34.4	33.0	31.6	30.1	28.9	27.8	26.8	25.8
-82.5°	28.4	27.6	26.9	26.2	25.5	24.8	24.2	23.5	22.7	21.7	20.8
-85°	21.2	20.9	20.7	20.5	20.3	20.0	19.7	19.2	18.7	18.2	17.8
-87.5°	17.1	16.6	16.1	16.1	16.1	16.0	16.0	15.8	15.7	15.5	15.2
-90°	0.0	0.0	0.0	0.5	0.9	1.4	1.8	1.8	1.8	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	12.3	11.8	11.4	10.9	10.9	10.9	10.9	10.9	10.5	10.0	9.6
87.5°	2.1	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	3.9	4.0
85°	2.3	2.7	3.2	3.6	3.6	3.6	3.6	3.6	4.0	4.2	4.4
82.5°	2.3	2.7	3.2	3.6	3.9	4.1	4.1	4.1	4.3	4.5	4.8
80°	3.2	3.2	3.4	3.7	4.1	4.6	4.8	4.8	4.8	4.9	5.1
77.5°	4.3	4.0	3.7	3.7	4.2	4.6	5.1	5.4	5.3	5.2	5.2
75°	5.4	5.1	4.7	4.4	4.4	4.7	5.1	5.4	5.4	5.4	5.3
72.5°	5.4	5.4	5.4	5.4	5.1	5.0	5.2	5.4	5.4	5.4	5.4
70°	8.4	5.9	5.4	5.4	5.4	5.4	5.3	5.5	5.4	5.4	5.4
67.5°	13.8	9.7	7.0	5.6	5.4	5.4	5.4	5.6	5.7	5.4	5.4
65°	24.1	15.6	8.9	7.4	6.1	5.4	5.4	5.8	6.0	5.8	5.4
62.5°	31.1	23.4	15.4	10.1	7.4	6.1	5.4	5.9	6.3	6.2	5.7
60°	34.5	27.2	21.3	15.4	10.1	7.1	6.1	5.9	6.3	6.7	6.2
57.5°	31.8	29.1	24.8	19.8	14.2	9.2	7.0	6.5	6.4	6.8	6.7
55°	27.1	25.4	26.5	22.9	17.6	12.2	8.5	7.3	6.7	6.9	7.2
52.5°	21.4	22.9	25.3	24.8	20.4	15.1	11.1	8.0	7.4	7.0	7.4
50°	17.1	20.5	24.2	25.3	22.8	17.9	13.3	9.8	8.0	7.2	7.5
47.5°	15.8	19.1	22.3	25.9	24.6	20.6	15.7	11.6	8.7	7.8	7.6
45°	17.4	18.8	21.4	24.5	26.7	22.7	18.1	13.1	10.0	8.5	7.7
42.5°	21.3	21.6	21.6	23.3	26.3	24.6	20.4	15.0	11.1	9.2	8.1
40°	30.6	27.3	23.7	25.6	26.2	26.4	22.1	17.0	12.1	10.0	8.7
37.5°	42.7	37.0	30.4	32.1	28.5	27.0	23.6	18.9	13.5	11.1	9.3
35°	82.4	50.5	51.9	47.8	37.5	28.4	25.1	20.5	15.7	12.1	10.0
32.5°	133.8	97.2	95.7	73.8	49.7	30.5	26.6	22.7	17.9	13.1	10.7
30°	219.5	202.1	159.1	106.6	68.6	41.8	29.4	25.1	20.1	14.0	11.4
27.5°	354.6	326.8	245.7	165.2	100.1	56.6	34.6	27.6	22.4	15.3	12.2
25°	491.3	455.9	365.9	242.8	136.0	87.9	41.0	30.4	24.6	17.1	12.9
22.5°	627.9	581.7	499.2	332.1	190.3	128.1	57.4	35.3	26.7	18.9	13.7
20°	758.4	706.5	633.0	406.8	256.3	176.1	86.8	40.9	28.9	20.6	14.3
17.5°	910.0	801.5	691.0	485.5	322.0	224.1	120.8	47.0	31.1	22.3	14.9
15°	1143.2	858.6	743.4	555.5	378.9	271.9	158.2	53.4	33.3	23.9	15.5
12.5°	1355.0	911.7	795.2	617.0	427.7	319.0	197.8	60.0	35.4	25.2	16.1
10°	1553.1	960.9	845.4	670.2	469.4	364.9	238.4	66.7	38.1	26.3	16.6
7.5°	1732.6	1006.1	893.0	715.1	501.8	394.9	265.7	73.4	41.0	27.2	17.0
5°	1874.1	1041.8	932.2	747.1	514.3	406.2	287.4	79.8	43.8	28.0	17.4
2.5°	1920.9	1064.6	963.5	771.9	524.0	413.9	304.6	85.5	46.5	28.6	17.8
0°	1930.9	1083.2	989.0	789.7	530.7	418.4	317.0	90.6	48.9	29.0	18.1
-2.5°	1921.4	1085.3	990.1	804.9	551.6	431.2	328.2	112.9	64.4	37.8	22.3
-5°	1877.6	1084.0	986.2	812.6	568.6	441.6	335.1	134.0	79.2	46.2	26.4
-7.5°	1761.5	1069.2	972.6	811.7	581.3	449.4	338.3	153.5	93.0	54.0	30.2
-10°	1611.7	1044.6	947.1	794.4	589.6	459.0	339.5	171.1	105.4	61.0	33.6
-12.5°	1442.3	1016.5	921.9	775.0	594.9	470.1	342.5	186.1	116.1	67.0	36.5
-15°	1257.3	985.1	898.5	755.0	597.5	478.5	342.4	198.3	125.2	72.9	38.9
-17.5°	1066.9	950.5	878.1	735.8	597.8	484.5	339.2	207.5	132.8	78.8	41.5
-20°	1030.7	935.8	859.3	718.7	595.9	487.9	333.3	213.5	138.8	83.2	44.2



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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°	1021.9	940.6	844.4	710.1	593.9	488.9	324.9	216.0	143.0	86.0	45.8
-25°	1012.8	946.2	828.7	699.9	591.4	474.5	320.4	214.9	145.4	87.1	46.2
-27.5°	1013.6	944.8	808.5	683.2	577.9	458.0	317.9	216.5	146.2	86.4	45.4
-30°	1020.2	918.1	784.8	661.3	559.6	430.7	310.5	216.0	145.1	85.0	43.3
-32.5°	1013.3	887.0	753.8	637.5	529.6	402.1	295.0	213.1	141.5	82.5	41.9
-35°	968.4	845.0	715.6	607.9	495.1	379.6	278.5	207.8	135.3	78.2	40.3
-37.5°	918.7	794.3	678.0	571.7	459.8	354.3	265.5	195.0	126.4	71.8	37.8
-40°	860.4	744.0	636.4	532.6	427.6	326.2	249.2	179.1	116.7	63.5	34.4
-42.5°	799.5	695.5	592.2	492.6	393.9	304.4	229.5	160.6	103.5	56.9	30.0
-45°	743.6	643.0	543.7	450.1	358.7	278.9	206.1	140.2	88.2	50.7	26.6
-47.5°	683.2	585.4	492.8	404.4	325.7	249.7	179.8	121.0	71.4	43.3	25.5
-50°	615.7	525.3	439.7	360.9	287.8	216.9	152.0	99.9	61.1	34.4	24.2
-52.5°	549.0	464.2	387.6	316.2	246.5	180.8	125.8	77.9	49.9	30.2	22.7
-55°	478.6	404.5	335.5	267.0	201.8	146.9	97.4	64.0	37.8	28.0	21.1
-57.5°	409.8	344.2	277.3	213.5	159.0	111.8	75.5	49.0	32.7	25.5	20.6
-60°	337.4	274.4	214.2	163.0	116.9	82.1	57.2	37.0	29.6	23.3	19.9
-62.5°	254.5	201.8	157.1	113.3	82.8	59.7	40.5	33.1	26.3	22.3	19.2
-65°	177.8	137.9	100.9	78.3	56.8	41.1	35.5	28.9	24.5	21.2	18.3
-67.5°	106.6	87.3	68.0	48.6	40.4	35.3	30.1	26.3	23.1	20.1	17.4
-70°	68.0	51.2	43.1	38.7	34.1	29.9	27.3	24.5	21.5	18.9	16.4
-72.5°	43.6	39.7	35.8	32.0	29.4	27.1	24.9	22.5	19.9	17.6	15.4
-75°	35.3	32.7	30.4	28.1	26.1	24.1	22.4	20.5	18.3	16.2	14.4
-77.5°	29.7	27.8	25.9	24.5	23.0	21.5	20.0	18.4	16.7	15.1	13.4
-80°	24.6	23.5	22.4	21.4	20.2	18.9	17.8	16.8	15.4	13.9	12.4
-82.5°	20.1	19.6	19.0	18.3	17.5	16.7	16.0	15.4	14.1	12.7	11.5
-85°	17.3	16.7	16.0	15.3	14.9	14.5	14.2	13.9	12.8	11.8	10.9
-87.5°	14.7	14.1	13.5	13.0	12.8	12.7	12.6	12.4	11.7	10.9	10.2
-90°	1.8	1.8	1.8	1.8	2.3	2.7	3.2	3.6	3.6	3.6	3.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.1	8.6	8.2	7.7	7.2	6.3	5.4
87.5°	4.1	4.3	4.7	5.0	5.4	5.4	5.4
85°	4.5	4.6	4.8	5.1	5.4	5.5	5.4
82.5°	5.0	4.9	5.0	5.1	5.4	5.5	5.4
80°	5.4	5.2	5.1	5.2	5.4	5.6	5.4
77.5°	5.4	5.4	5.3	5.3	5.4	5.6	5.4
75°	5.4	5.5	5.4	5.3	5.4	5.6	5.4
72.5°	5.5	5.7	5.6	5.4	5.4	5.7	5.4
70°	5.6	5.8	5.8	5.4	5.5	5.7	5.4
67.5°	5.6	6.0	5.9	5.6	5.5	5.8	5.4
65°	5.6	6.1	6.1	5.8	5.5	5.8	5.4
62.5°	5.7	6.1	6.3	6.0	5.6	5.9	5.4
60°	5.7	6.1	6.5	6.2	5.6	5.9	5.4
57.5°	6.2	6.2	6.6	6.3	5.8	6.0	5.4
55°	6.6	6.2	6.6	6.5	5.9	6.0	5.4
52.5°	7.1	6.4	6.7	6.7	6.1	6.1	5.4
50°	7.5	6.7	6.7	6.9	6.2	6.1	5.4
47.5°	7.9	7.1	6.8	7.1	6.3	6.2	5.4
45°	8.0	7.5	6.8	7.1	6.5	6.2	5.4
42.5°	8.1	7.8	6.9	7.2	6.6	6.3	5.4
40°	8.2	8.2	7.0	7.2	6.7	6.3	5.4
37.5°	8.3	8.5	7.3	7.3	6.7	6.4	5.4
35°	8.4	8.7	7.6	7.3	6.8	6.5	5.4
32.5°	8.6	8.8	7.8	7.4	6.9	6.5	5.4
30°	9.2	8.8	8.1	7.5	7.0	6.6	5.4
27.5°	9.7	8.9	8.3	7.6	7.0	6.6	5.4
25°	10.3	9.0	8.5	7.7	7.1	6.7	5.4
22.5°	10.8	9.1	8.6	7.8	7.1	6.7	5.4
20°	11.3	9.3	8.8	8.0	7.1	6.8	5.4
17.5°	11.8	9.4	8.9	8.1	7.1	6.9	5.4
15°	12.3	9.6	9.0	8.2	7.2	6.9	5.4
12.5°	12.8	9.8	9.0	8.4	7.2	7.0	5.4
10°	13.2	10.0	9.1	8.5	7.2	7.0	5.4
7.5°	13.6	10.3	9.1	8.7	7.2	7.1	5.4
5°	13.9	10.5	9.1	8.8	7.2	7.1	5.4
2.5°	14.2	10.7	9.1	9.0	7.2	7.2	5.4
0°	14.5	10.9	9.1	9.1	7.2	7.2	5.4
-2.5°	15.9	11.5	9.4	9.2	7.3	7.2	5.4
-5°	17.3	12.1	9.7	9.3	7.4	7.3	5.4
-7.5°	18.6	12.6	10.0	9.4	7.4	7.3	5.4
-10°	19.7	13.1	10.3	9.5	7.5	7.3	5.4
-12.5°	20.7	13.5	10.6	9.6	7.6	7.4	5.4
-15°	21.5	13.9	10.9	9.6	7.7	7.4	5.4
-17.5°	22.1	14.3	11.1	9.7	7.8	7.4	5.4
-20°	22.8	14.6	11.3	9.7	7.9	7.4	5.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.6	14.8	11.5	9.7	7.9	7.4	5.4
-25°	24.0	15.0	11.6	9.7	8.0	7.4	5.4
-27.5°	23.8	15.2	11.7	9.7	8.1	7.4	5.4
-30°	23.1	15.3	11.8	9.7	8.2	7.4	5.4
-32.5°	21.7	15.3	11.9	9.7	8.2	7.4	5.4
-35°	21.1	15.1	12.0	9.7	8.3	7.4	5.4
-37.5°	20.9	15.0	12.0	9.6	8.4	7.4	5.4
-40°	20.6	15.1	12.1	9.6	8.4	7.4	5.4
-42.5°	20.0	15.1	12.1	9.5	8.5	7.4	5.4
-45°	19.3	15.0	12.0	9.5	8.5	7.3	5.4
-47.5°	18.5	14.9	12.0	9.4	8.6	7.3	5.4
-50°	18.1	14.8	11.8	9.5	8.7	7.3	5.4
-52.5°	17.9	14.6	11.7	9.6	8.7	7.2	5.4
-55°	17.5	14.3	11.5	9.6	8.8	7.2	5.4
-57.5°	17.1	14.0	11.3	9.6	8.8	7.1	5.4
-60°	16.6	13.7	11.1	9.6	8.8	7.1	5.4
-62.5°	16.1	13.3	11.0	9.6	8.7	7.0	5.4
-65°	15.5	12.8	10.8	9.6	8.6	7.0	5.4
-67.5°	14.8	12.4	10.7	9.5	8.5	6.9	5.4
-70°	14.1	12.0	10.5	9.5	8.4	6.9	5.4
-72.5°	13.4	11.6	10.2	9.3	8.3	6.8	5.4
-75°	12.6	11.1	10.0	9.1	8.1	6.7	5.4
-77.5°	11.8	10.6	9.7	8.9	8.0	6.7	5.4
-80°	11.0	10.2	9.4	8.6	7.8	6.6	5.4
-82.5°	10.5	9.8	9.1	8.4	7.7	6.5	5.4
-85°	10.0	9.4	8.8	8.2	7.5	6.5	5.4
-87.5°	9.6	9.0	8.5	7.9	7.4	6.4	5.4
-90°	3.6	4.1	4.5	5.0	5.4	5.4	5.4

(END OF REPORT)