

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: P1305580 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-57-80-3S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

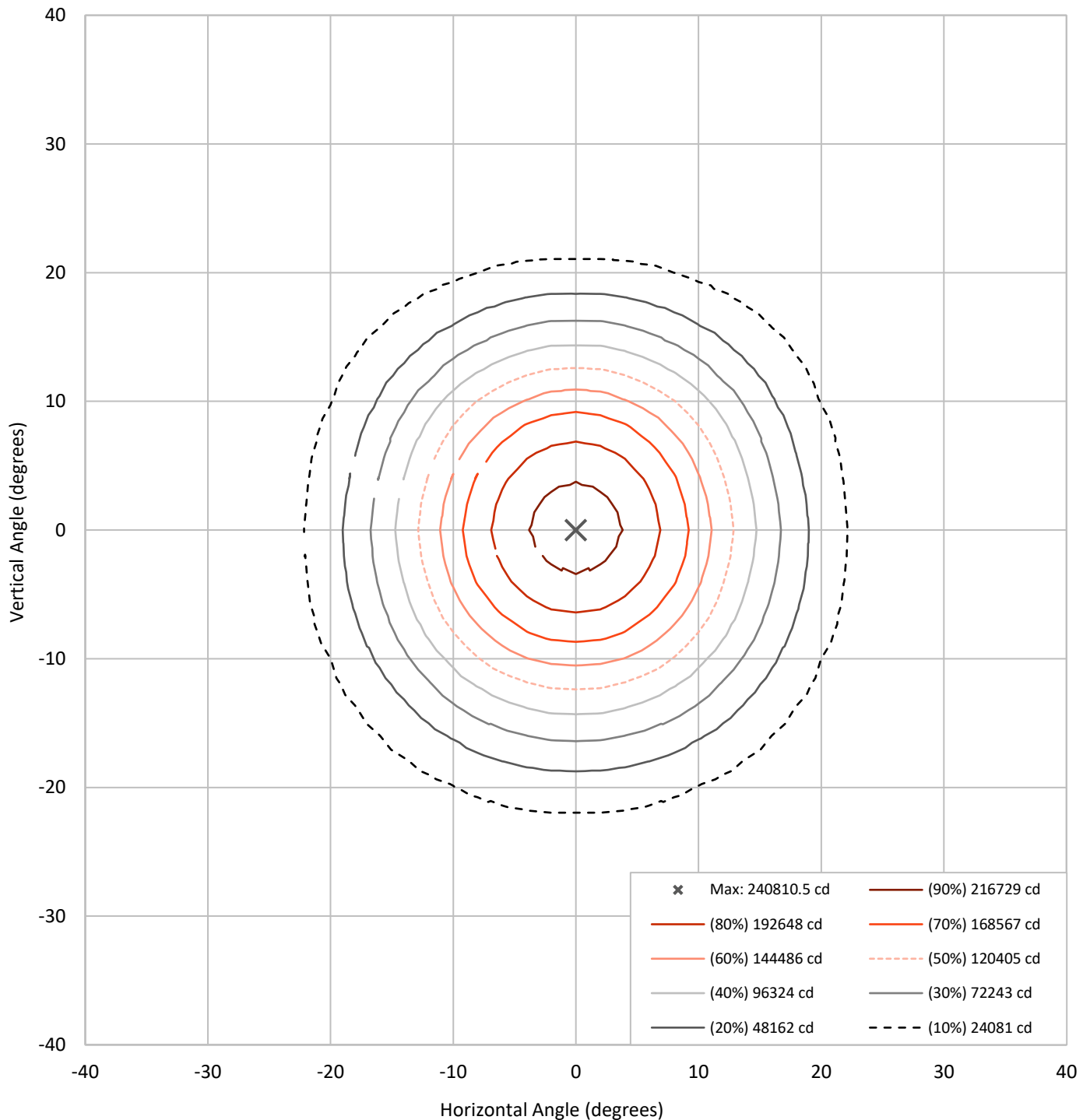
Test Method: LM-79-08  
Report Number: P1305580 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320L-57-80-3S-VHE-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S 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:	54103 lumens	Max Intensity:	240810.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	162.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	25886 lumens	Field Lumens:	45358.7 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%
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





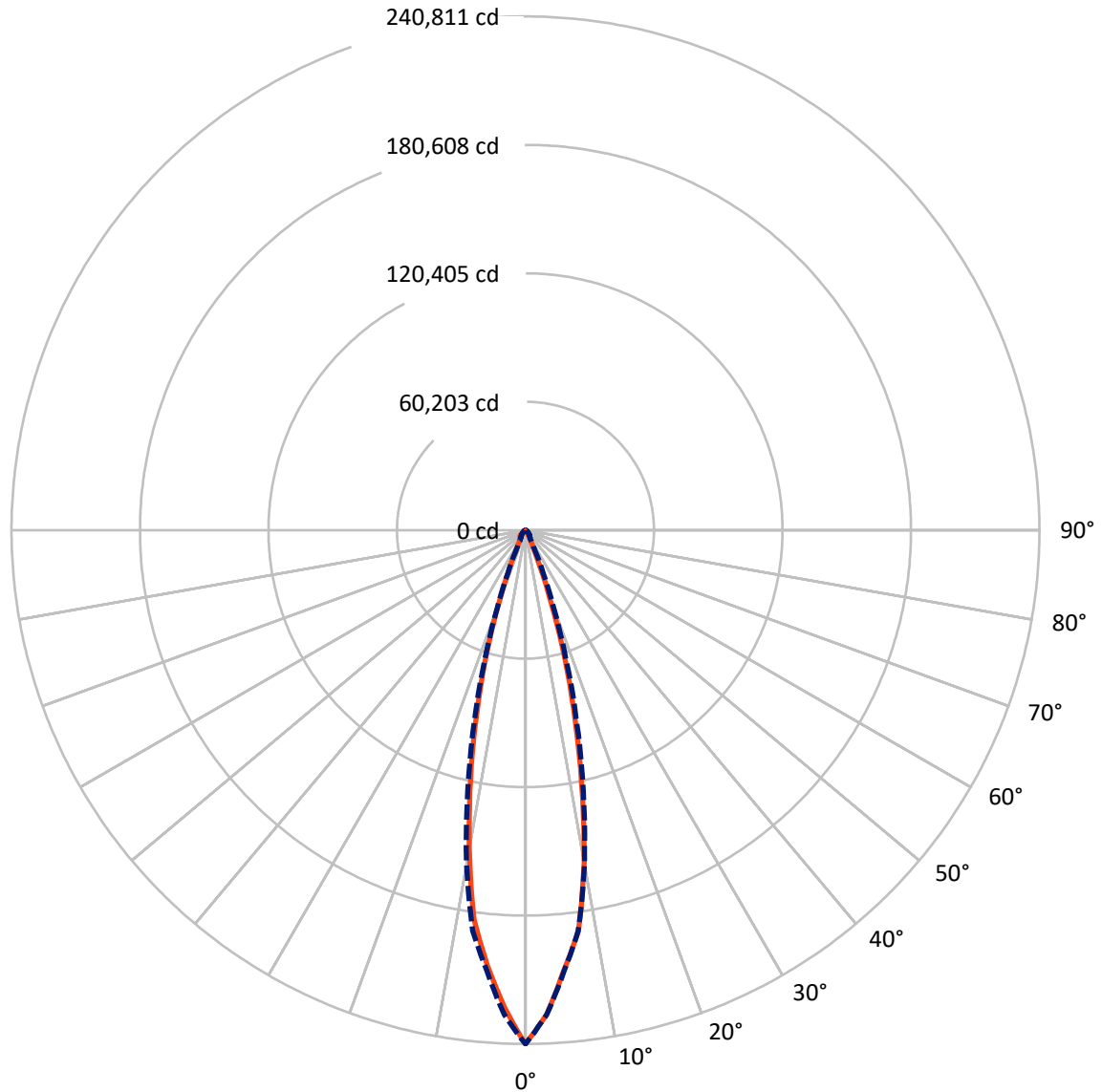
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### Lumen Table

90	0.1	0.4		0.8		1.3		1.5		1.3		0.8		0.4		0.1			
80	0.1	0.4		0.8		1.3		1.5		1.3		0.8		0.4		0.1			
70	0.2	0.1	0.1	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.1	0.1	0.2			
60		0.2	0.5	0.7	0.6	0.6	0.8	0.9	0.9	0.8	0.6	0.6	0.7	0.5	0.2				
50	0.5	0.8	1.8	3.8	7.0	11.9	17.0	19.2	19.2	17.0	11.9	7.0	3.8	1.8	0.8	0.5			
40		1.9	5.7	11.9	22.3	37.0	44.7	52.5	52.5	44.7	37.0	22.3	11.9	5.7	1.9				
30	1.2	3.1	9.6	21.2	47.4	61.0	131.8	288.3	288.3	131.8	61.0	47.4	21.2	9.6	3.1	1.2			
20		4.1	12.7	34.4	68.1	164.6	991.6	2397.4	2397.4	991.6	164.6	68.1	34.4	12.7	4.1				
10	1.8	5.0	14.7	43.9	82.5	365.4	2408.5	5485.8	5485.8	2408.5	365.4	82.5	43.9	14.7	5.0	1.8			
0		5.5	16.2	46.4	91.4	376.6	2423.1	5428.9	5428.9	2423.1	376.6	91.4	46.4	16.2	5.5				
-10	2.0	5.6	16.7	44.8	91.0	201.9	1034.0	2419.7	2419.7	1034.0	201.9	91.0	44.8	16.7	5.6	2.0			
-20		5.1	15.9	35.5	81.9	123.7	214.3	407.6	407.6	214.3	123.7	81.9	35.5	15.9	5.1				
-30	1.7	4.4	13.6	28.4	56.6	98.9	122.1	135.5	135.5	122.1	98.9	56.6	28.4	13.6	4.4	1.7			
-40		3.4	10.4	22.0	35.8	52.9	77.5	96.6	96.6	77.5	52.9	35.8	22.0	10.4	3.4				
-50	1.4	2.3	6.8	14.4	24.1	32.8	39.9	44.2	44.2	39.9	32.8	24.1	14.4	6.8	2.3	1.4			
-60		1.6	3.6	7.4	12.6	17.3	21.8	24.6	24.6	21.8	17.3	12.6	7.4	3.6	1.6				
-70	1.0	5.9		13.7		22.3		27.4		22.3		13.7		5.9		1.0			
-80		5.9		13.7		22.3		27.4		22.3		13.7		5.9					
-90	1.0	5.9		13.7		22.3		27.4		22.3		13.7		5.9		1.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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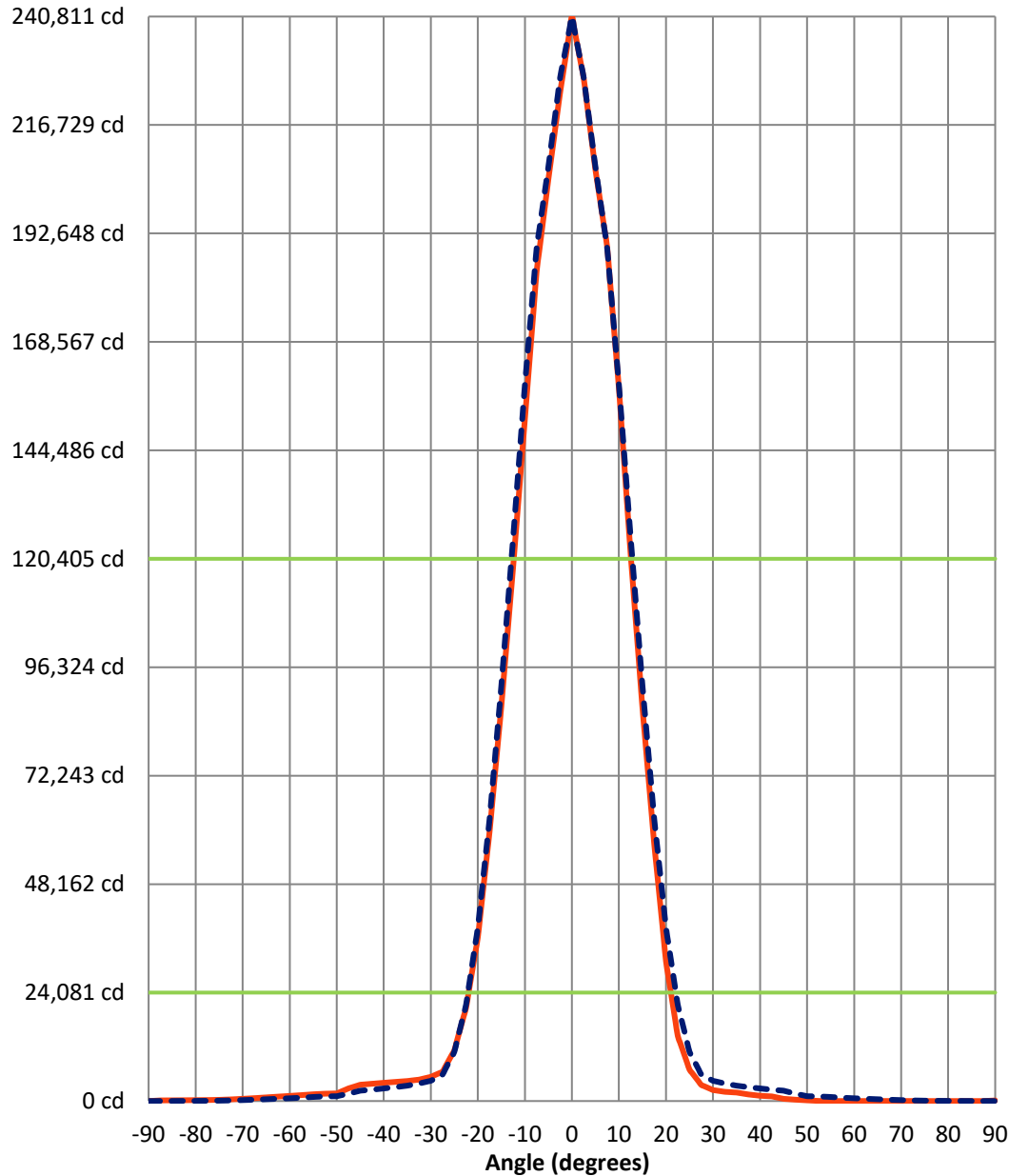
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 25.7°  
 V Angle: 24.9°  
 Lumens: 25886  
 Efficiency: 47.8%

**Field:**  
 H Angle: 44.2°  
 V Angle: 43°  
 Lumens: 45358.7  
 Efficiency: 83.8%

**Spill:**  
 Lumens: 8744.3  
 Efficiency: 16.2%

— 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°	1.9	8.0	14.2	22.9	31.6	39.0	46.4	51.9	57.4	61.9	66.4
87.5°	1.9	2.1	2.0	2.1	2.1	2.1	2.1	1.9	1.7	1.7	1.6
85°	1.9	2.2	2.1	2.2	2.4	2.3	2.3	2.2	2.2	2.0	1.8
82.5°	1.9	2.4	2.2	2.4	2.6	2.6	2.5	2.5	2.6	2.4	2.1
80°	1.9	2.5	2.4	2.6	2.8	2.8	2.7	2.8	2.8	2.6	2.4
77.5°	1.9	2.7	2.5	2.7	3.0	3.1	3.0	3.1	3.1	2.9	2.7
75°	1.9	2.8	2.7	2.9	3.3	3.4	3.4	3.4	3.3	3.3	3.1
72.5°	1.9	3.0	2.8	3.1	3.6	3.8	3.8	3.8	3.9	3.7	3.4
70°	1.9	3.2	3.0	3.3	4.0	4.2	4.2	4.5	4.4	4.2	4.3
67.5°	1.9	3.3	3.2	3.7	4.4	4.6	5.0	5.1	5.1	5.4	5.4
65°	1.9	3.5	3.4	4.1	4.8	5.2	5.8	5.9	6.4	6.6	6.6
62.5°	1.9	3.7	3.6	4.4	5.2	6.1	6.7	7.1	7.9	7.9	7.9
60°	1.9	3.8	3.8	4.9	5.7	7.0	7.6	8.6	9.4	9.6	9.4
57.5°	1.9	4.0	4.2	5.3	6.5	7.9	9.0	10.2	11.4	11.6	12.8
55°	1.9	4.2	4.7	5.7	7.4	8.9	10.5	11.9	13.8	14.5	17.3
52.5°	1.9	4.3	5.1	6.1	8.3	9.9	12.1	14.3	16.3	20.0	22.2
50°	1.9	4.5	5.6	6.5	9.3	11.3	13.6	16.8	19.9	26.0	31.2
47.5°	1.9	4.7	6.1	7.1	10.2	12.8	15.3	19.5	25.9	32.4	42.1
45°	1.9	4.9	6.6	7.8	11.2	14.4	17.7	22.3	32.3	43.5	54.1
42.5°	1.9	5.1	7.1	8.5	12.2	16.0	20.2	26.9	38.9	55.4	72.5
40°	1.9	5.2	7.6	9.5	13.4	17.7	22.9	32.8	47.2	68.2	93.2
37.5°	1.9	5.4	8.1	10.6	14.7	19.4	25.8	38.9	58.9	83.3	115.4
35°	1.9	5.6	8.7	11.6	16.0	21.5	28.8	45.0	71.0	102.9	140.3
32.5°	1.9	5.8	9.2	12.7	17.3	23.9	32.5	51.5	83.6	122.6	165.0
30°	1.9	5.9	9.7	13.8	18.6	26.3	37.9	59.0	96.6	142.3	188.0
27.5°	1.9	6.1	10.3	14.8	20.3	28.6	43.1	68.9	109.7	162.0	209.4
25°	1.9	6.3	10.8	15.9	22.0	31.0	48.3	78.2	123.1	180.4	229.4
22.5°	1.9	6.5	11.3	16.9	23.6	33.4	53.4	86.9	135.3	192.8	251.1
20°	1.9	6.6	11.8	18.0	25.2	35.8	58.3	95.1	146.3	204.4	268.7
17.5°	1.9	6.8	12.4	19.0	26.8	38.1	62.8	102.6	156.1	215.1	285.2
15°	1.9	6.9	12.9	20.0	28.3	40.3	67.0	109.4	164.8	224.7	300.8
12.5°	1.9	7.1	13.3	20.9	29.8	42.4	70.9	115.4	173.7	233.4	315.3
10°	1.9	7.2	13.8	21.8	31.2	44.4	74.4	120.8	182.8	246.4	331.2
7.5°	1.9	7.4	14.3	22.7	32.5	46.2	77.7	125.6	191.2	259.4	351.1
5°	1.9	7.5	14.7	23.6	33.8	47.9	80.5	129.8	198.7	271.6	369.5
2.5°	1.9	7.6	15.1	24.4	35.0	49.5	83.0	133.2	205.3	282.8	386.3
0°	1.9	7.7	15.5	25.1	36.1	50.9	85.1	136.0	210.8	292.7	401.0
-2.5°	1.9	8.0	16.2	26.2	37.7	53.0	87.8	140.6	217.0	299.4	407.9
-5°	1.9	8.3	16.8	27.3	39.2	55.0	90.1	144.5	222.0	304.7	412.5
-7.5°	1.9	8.6	17.5	28.3	40.6	56.9	92.0	147.5	225.6	308.5	415.0
-10°	1.9	8.9	18.1	29.2	42.0	58.5	93.5	149.6	227.9	310.8	415.3
-12.5°	1.9	9.2	18.6	30.1	43.2	60.0	94.5	150.7	228.7	311.4	414.4
-15°	1.9	9.4	19.1	30.9	44.3	61.3	95.0	150.7	227.3	309.5	411.2
-17.5°	1.9	9.7	19.6	31.6	45.2	62.4	95.1	149.4	223.6	305.8	405.1
-20°	1.9	9.9	20.0	32.2	46.1	63.4	94.7	146.9	218.6	300.4	396.1



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 CATALOG NUMBER: EPH-08-320L-57-80-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	1.9	10.1	20.4	32.8	46.8	64.1	94.0	143.5	212.3	293.3	384.2
-25°	1.9	10.3	20.8	33.2	47.5	64.8	92.8	139.1	204.7	284.3	371.8
-27.5°	1.9	10.4	21.1	33.6	47.9	65.3	91.0	133.9	195.7	276.2	362.8
-30°	1.9	10.6	21.3	33.9	48.3	65.6	88.8	127.7	188.5	267.2	352.0
-32.5°	1.9	10.7	21.5	34.2	48.8	65.8	86.1	123.7	182.2	256.8	339.1
-35°	1.9	10.8	21.7	34.3	49.1	65.7	85.1	120.3	174.4	245.0	324.2
-37.5°	1.9	10.9	21.8	34.3	49.4	65.7	84.9	116.5	164.9	231.7	308.4
-40°	1.9	10.9	21.8	34.3	49.5	65.8	84.4	111.8	153.8	218.7	290.6
-42.5°	1.9	11.0	21.9	34.2	49.5	65.8	83.6	106.4	145.6	203.2	269.9
-45°	1.9	11.0	21.8	34.2	49.4	65.6	82.6	102.3	138.4	185.9	247.2
-47.5°	1.9	11.0	21.7	34.0	49.2	65.2	81.3	100.6	130.2	167.3	226.1
-50°	1.9	11.0	21.6	33.9	48.9	64.7	80.3	98.6	120.5	156.3	203.3
-52.5°	1.9	10.9	21.4	33.8	48.4	64.0	79.3	96.3	115.1	144.4	179.7
-55°	1.9	10.9	21.2	33.6	47.8	63.1	78.1	93.7	111.6	131.6	164.7
-57.5°	1.9	10.8	20.9	33.3	47.1	62.0	76.6	91.9	107.8	125.2	149.0
-60°	1.9	10.7	20.6	32.9	46.3	60.7	74.9	89.6	103.9	120.5	136.0
-62.5°	1.9	10.6	20.3	32.4	45.6	59.3	73.2	87.1	100.8	115.3	129.6
-65°	1.9	10.4	19.9	31.9	44.7	57.7	71.2	84.4	97.4	110.5	122.7
-67.5°	1.9	10.3	19.5	31.2	43.8	56.2	69.1	81.6	93.7	105.9	116.9
-70°	1.9	10.1	19.1	30.5	42.8	54.6	66.9	78.7	90.2	101.1	111.5
-72.5°	1.9	9.9	18.6	29.8	41.6	52.8	64.5	75.5	86.4	96.3	106.0
-75°	1.9	9.7	18.1	29.0	40.4	51.0	62.0	72.2	82.5	91.4	100.1
-77.5°	1.9	9.4	17.5	28.1	39.1	49.0	59.3	68.6	78.1	86.2	94.1
-80°	1.9	9.2	16.9	27.2	37.8	47.1	56.4	64.9	73.6	80.9	88.0
-82.5°	1.9	8.9	16.3	26.2	36.3	45.2	54.0	61.4	69.0	75.4	81.8
-85°	1.9	8.6	15.6	25.2	34.8	43.2	51.6	58.3	65.2	70.6	76.0
-87.5°	1.9	8.4	14.9	24.1	33.3	41.1	49.0	55.2	61.3	66.3	71.3
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.3	1.3	1.3



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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°	70.0	73.5	76.7	79.9	82.8	85.7	89.6	93.5	96.4	99.3	102.2
87.5°	1.6	1.6	1.6	1.6	1.5	1.3	1.3	1.3	1.2	1.1	1.2
85°	1.9	1.9	1.9	1.9	1.7	1.5	1.5	1.5	1.6	1.6	1.5
82.5°	2.2	2.2	2.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.7
80°	2.5	2.6	2.3	2.1	2.2	2.3	2.2	2.0	1.9	1.9	2.0
77.5°	2.7	2.6	2.5	2.5	2.6	2.7	2.7	2.6	2.6	2.5	2.6
75°	2.9	2.7	2.8	2.7	2.7	3.0	3.2	3.2	3.1	3.0	3.0
72.5°	3.4	3.4	3.3	2.9	3.0	3.2	3.2	3.2	4.0	5.3	6.4
70°	4.2	4.2	4.0	3.7	3.6	3.8	4.8	6.7	8.7	10.5	12.2
67.5°	5.2	5.0	4.7	4.7	5.3	6.4	7.8	12.3	17.1	18.7	19.0
65°	6.1	5.9	6.0	6.7	7.6	10.8	15.0	20.4	25.0	24.7	22.8
62.5°	7.1	8.0	8.0	9.6	12.8	16.7	21.5	26.2	30.2	28.3	23.6
60°	10.2	10.8	12.3	15.2	18.5	22.4	27.4	28.9	29.9	29.1	22.9
57.5°	14.0	15.7	18.8	21.5	25.4	27.2	27.6	27.3	29.0	27.9	21.5
55°	19.6	22.5	26.6	29.4	31.8	28.4	28.0	29.8	29.6	27.1	20.9
52.5°	28.1	31.1	36.8	38.9	37.1	34.4	33.5	35.1	33.8	30.4	26.4
50°	37.2	44.5	48.3	49.9	46.7	46.3	43.0	45.0	46.9	45.2	50.9
47.5°	51.2	60.0	62.7	65.7	64.2	70.1	67.0	78.1	78.9	111.3	121.0
45°	68.0	79.8	83.0	90.8	99.4	109.7	127.5	132.2	185.5	218.0	256.4
42.5°	88.3	103.1	116.4	120.9	159.2	180.0	206.7	256.3	305.9	346.6	375.2
40°	114.4	129.5	157.6	191.2	232.0	267.3	318.3	375.7	423.0	454.3	469.1
37.5°	143.2	172.6	209.4	263.8	313.3	358.3	423.5	480.9	522.8	551.8	555.5
35°	174.1	215.8	276.2	331.2	382.4	443.2	507.9	574.0	608.4	620.9	674.1
32.5°	210.1	257.9	329.4	389.2	446.8	515.8	584.6	641.6	672.0	707.3	887.6
30°	244.1	302.1	373.2	436.8	508.1	586.7	652.5	706.3	727.3	912.6	1204.2
27.5°	271.3	340.4	411.9	488.5	570.4	660.3	726.6	761.5	881.7	1155.8	1577.5
25°	296.6	371.0	450.9	546.6	639.8	728.8	796.3	818.6	1068.5	1533.4	1847.6
22.5°	321.4	400.9	493.9	608.0	703.4	786.6	843.0	978.3	1336.4	1925.0	2088.3
20°	346.2	436.2	540.7	654.5	759.7	837.3	880.7	1146.7	1661.6	2075.6	2259.2
17.5°	370.0	471.8	583.6	693.6	799.7	878.3	934.4	1288.7	1919.3	2210.7	2391.4
15°	393.3	502.1	616.7	730.3	838.5	914.2	1066.4	1497.1	2079.3	2374.0	2564.9
12.5°	415.6	528.0	641.1	762.1	876.0	949.1	1203.3	1749.6	2246.3	2535.0	2741.3
10°	436.6	549.8	662.3	791.1	911.0	979.4	1331.8	1985.5	2399.0	2649.6	2836.5
7.5°	457.8	569.5	681.5	817.3	943.9	1007.1	1440.5	2114.6	2459.0	2725.2	2903.7
5°	476.6	587.7	704.2	849.7	975.8	1032.6	1532.3	2201.5	2478.0	2763.0	2952.1
2.5°	492.6	602.8	724.0	879.9	1004.5	1055.7	1594.8	2267.7	2501.0	2789.9	3012.2
0°	<b>506.1</b>	<b>615.0</b>	<b>740.7</b>	<b>905.8</b>	<b>1028.9</b>	<b>1076.6</b>	<b>1636.2</b>	<b>2303.4</b>	<b>2515.5</b>	<b>2801.7</b>	<b>3078.9</b>
-2.5°	515.9	631.2	767.4	927.7	1048.9	1098.4	1649.2	2318.7	2536.6	2866.8	3228.6
-5°	523.2	644.3	789.7	945.2	1065.2	1118.6	1639.9	2304.4	2561.8	2926.8	3323.7
-7.5°	527.8	653.7	806.9	958.2	1078.8	1141.3	1611.9	2288.0	2640.8	3002.2	3371.6
-10°	529.9	658.5	809.5	963.1	1089.7	1164.0	1564.1	2232.5	2697.9	3031.0	3375.6
-12.5°	531.7	659.5	806.3	962.2	1096.4	1184.8	1504.0	2165.8	2750.4	3041.7	3351.1
-15°	530.1	657.5	799.2	956.3	1105.1	1211.1	1427.1	2042.1	2773.9	3030.4	3305.2
-17.5°	524.7	652.5	789.4	948.6	1110.6	1235.6	1326.3	1851.4	2647.8	2995.4	3270.2
-20°	515.6	643.3	775.3	933.8	1107.6	1246.2	1323.8	1711.9	2383.6	2926.7	3218.3



REPORT NUMBER: P1305580 (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°	503.5	630.4	758.6	914.2	1090.1	1241.8	1342.3	1558.1	2084.2	2826.0	3140.0
-25°	489.4	614.0	741.3	893.0	1065.8	1233.5	1352.4	1416.4	1836.8	2484.7	3015.6
-27.5°	473.1	594.4	721.7	864.8	1034.0	1208.7	1335.9	1420.4	1635.5	2094.5	2826.6
-30°	453.8	571.8	696.3	832.1	995.1	1161.8	1307.7	1415.2	1478.1	1828.3	2416.8
-32.5°	432.0	545.8	667.4	800.7	951.2	1111.4	1265.6	1382.0	1468.2	1582.8	2031.0
-35°	411.2	519.2	635.3	765.4	904.2	1054.6	1199.3	1336.6	1444.7	1518.5	1700.7
-37.5°	392.8	490.3	601.8	727.0	860.6	989.4	1127.7	1269.1	1393.0	1495.1	1559.6
-40°	371.8	459.1	567.2	685.6	804.6	923.5	1052.6	1187.8	1324.2	1436.4	1534.7
-42.5°	348.2	432.8	529.6	637.4	746.7	859.0	974.0	1102.0	1230.6	1358.5	1462.2
-45°	322.1	403.4	489.5	586.3	685.5	791.4	900.4	1011.0	1132.7	1253.4	1366.8
-47.5°	292.7	370.8	452.8	531.9	624.0	721.2	823.0	927.3	1031.4	1142.3	1251.9
-50°	262.0	334.5	410.2	482.6	561.4	649.8	743.3	840.4	938.6	1031.6	1128.0
-52.5°	233.6	295.0	364.3	433.7	502.8	578.0	662.5	750.2	841.1	931.6	1013.1
-55°	202.9	258.1	315.7	381.2	447.3	512.4	580.9	660.3	737.5	820.7	900.9
-57.5°	180.0	220.5	271.0	325.5	387.4	450.3	511.0	570.8	638.1	707.7	778.4
-60°	161.7	190.2	228.7	275.2	323.9	382.0	441.6	496.8	547.6	599.4	663.5
-62.5°	144.7	168.1	195.0	227.3	269.6	312.8	364.1	416.7	466.1	513.5	561.2
-65°	136.5	148.8	169.1	193.2	217.4	254.2	293.5	333.7	379.0	422.5	466.8
-67.5°	127.9	139.5	150.7	163.9	185.7	207.1	228.4	263.9	299.3	331.3	363.5
-70°	121.2	130.3	140.4	150.2	160.1	172.7	192.0	211.9	231.1	252.3	279.3
-72.5°	114.7	122.8	131.0	138.9	147.8	156.9	166.1	175.8	189.9	206.3	221.1
-75°	108.0	115.1	122.2	129.4	136.7	144.3	152.1	160.6	169.4	178.2	186.1
-77.5°	101.2	107.8	113.9	119.9	126.2	132.9	139.9	146.9	154.1	161.4	167.5
-80°	94.2	100.5	105.9	111.1	116.5	122.0	128.0	134.1	140.1	146.2	151.6
-82.5°	87.1	92.5	97.3	102.0	106.7	111.3	116.4	121.7	126.9	132.2	136.7
-85°	80.3	84.4	88.5	92.6	96.7	100.7	105.3	109.9	114.3	118.7	122.6
-87.5°	75.1	79.0	82.4	85.8	89.1	92.4	96.3	100.2	103.7	107.2	110.3
-90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.0	0.6	0.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	105.1	107.0	108.9	110.6	112.2	114.5	116.7	119.9	123.1	127.0	130.9
87.5°	1.2	1.2	1.2	0.9	0.6	0.6	0.6	0.6	0.6	0.9	1.3
85°	1.3	1.3	1.3	1.4	1.6	1.7	1.7	1.8	1.8	1.9	1.9
82.5°	1.6	1.6	1.7	1.8	1.9	1.9	1.9	1.9	1.9	2.2	2.6
80°	2.1	2.2	2.2	2.3	2.3	2.2	1.9	1.9	1.9	2.2	2.6
77.5°	2.7	2.7	2.6	2.5	2.3	2.1	1.9	1.9	1.9	1.9	2.0
75°	3.1	3.2	3.4	3.6	3.9	3.9	3.7	3.8	4.0	3.9	3.8
72.5°	7.1	7.3	7.2	8.1	8.9	9.2	9.5	10.1	10.8	11.8	13.0
70°	13.8	15.3	15.8	15.9	15.2	14.9	14.6	14.5	14.8	15.4	16.3
67.5°	20.0	20.6	20.3	20.0	18.9	17.4	15.8	14.9	15.3	16.0	17.0
65°	22.6	20.8	19.5	19.0	17.9	16.1	13.7	12.0	11.7	11.4	11.3
62.5°	20.3	17.1	15.6	14.7	13.2	11.6	9.4	7.7	7.0	6.6	6.5
60°	17.7	13.7	11.3	10.1	8.5	6.5	5.4	4.2	3.8	3.5	3.5
57.5°	15.4	11.4	8.6	8.0	6.5	5.1	4.1	3.1	2.8	2.6	2.7
55°	15.8	13.8	11.6	10.4	8.6	7.9	6.9	6.2	5.7	5.8	6.2
52.5°	22.4	24.0	21.1	20.4	25.4	25.5	21.0	27.9	32.1	35.2	36.1
50°	57.7	57.3	76.2	73.0	90.4	104.6	105.2	113.9	130.4	141.6	147.7
47.5°	153.3	170.5	192.5	215.6	233.6	256.1	278.9	296.0	300.1	300.5	303.5
45°	288.6	313.2	346.2	370.5	404.6	425.7	443.1	458.9	495.4	529.1	568.3
42.5°	403.0	429.9	464.2	513.4	549.3	645.3	792.2	828.2	833.4	863.3	906.8
40°	493.3	528.6	604.7	712.6	942.6	1148.9	1186.0	1217.0	1230.7	1214.1	1243.7
37.5°	602.7	685.2	856.5	1151.7	1260.7	1316.9	1356.4	1380.1	1408.9	1435.6	1450.1
35°	784.2	1014.1	1164.3	1321.9	1393.3	1421.7	1450.7	1479.9	1502.6	1532.1	1555.7
32.5°	1156.8	1412.8	1427.8	1466.8	1503.9	1541.0	1568.1	1595.9	1620.1	1658.3	1738.5
30°	1532.2	1588.0	1601.6	1605.2	1639.1	1683.5	1706.9	1763.2	1839.0	1926.1	2111.3
27.5°	1732.0	1770.4	1778.4	1782.2	1798.0	1850.5	1947.8	2024.5	2206.7	2427.7	2903.7
25°	1975.3	2002.6	2031.6	2030.4	2054.4	2147.3	2337.5	2499.5	3114.9	3690.7	4931.2
22.5°	2207.5	2290.1	2331.2	2386.4	2467.8	2637.0	2970.6	3908.0	5475.2	7475.2	9965.0
20°	2368.8	2479.9	2590.6	2744.5	2941.4	3292.5	4334.9	7139.8	10489.4	15349.9	19426.7
17.5°	2531.6	2657.1	2852.9	3090.3	3421.0	4599.6	7655.8	12418.4	19297.2	27926.2	35497.2
15°	2743.8	2892.7	3154.9	3493.8	4417.8	6933.7	12032.1	20698.0	31155.2	43285.1	56009.2
12.5°	2888.3	3093.5	3405.2	3842.9	5359.6	10071.7	18280.5	30160.5	44553.1	59837.0	80119.6
10°	2995.1	3240.5	3663.9	4571.3	7321.5	13535.3	23399.6	38225.8	57957.6	81251.4	104440.4
7.5°	3084.7	3415.3	3946.8	5090.2	9014.1	16848.2	29422.2	47442.7	70788.7	98856.7	125823.6
5°	3165.3	3603.6	4219.1	5649.5	10530.7	19246.9	33427.4	54326.1	81361.0	112016.0	141789.2
2.5°	3271.9	3779.8	4395.7	5803.4	11137.8	20575.9	36600.9	59884.4	88909.6	121156.4	153549.8
0°	3420.0	3894.4	4503.6	5901.9	10949.0	21408.7	38545.9	62673.8	92217.5	124995.5	158970.8
-2.5°	3536.3	3960.4	4566.5	5822.5	10856.7	21017.0	37668.1	61047.8	88978.9	120652.0	154542.7
-5°	3611.6	4007.8	4594.1	5852.2	10623.7	19520.2	35075.5	56787.4	82383.9	110974.9	142313.6
-7.5°	3655.6	4025.2	4565.5	5665.6	9565.6	17480.9	30460.7	48934.6	71896.7	98353.3	124252.6
-10°	3681.9	4013.9	4505.7	5401.6	8046.0	14206.4	24048.0	39705.1	59600.5	80918.9	102103.6
-12.5°	3691.8	3990.2	4421.4	5023.5	6451.0	11121.9	19143.1	30255.0	45023.5	62511.1	81178.3
-15°	3672.4	3955.8	4339.9	4861.3	5811.0	8337.5	13357.7	20915.1	31923.0	45274.7	58802.0
-17.5°	3600.3	3920.2	4219.3	4619.6	5178.5	6370.0	9425.5	14276.3	20989.2	29814.6	37619.0
-20°	3504.8	3853.1	4109.2	4462.9	4901.8	5447.2	6427.1	9387.5	13151.6	18260.9	23354.7



REPORT NUMBER: P1305580 (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°	3419.7	3738.4	4060.3	4303.2	4646.9	5005.4	5447.9	6294.7	8186.1	10737.0	13966.1
-25°	3341.2	3632.9	3963.3	4225.9	4419.8	4673.2	4950.4	5247.1	5889.6	6492.0	8049.8
-27.5°	3230.7	3532.9	3819.4	4099.7	4286.5	4401.6	4590.5	4774.8	5043.9	5283.2	5740.7
-30°	3102.1	3397.7	3670.4	3925.1	4116.5	4237.5	4331.1	4457.9	4600.3	4745.2	4941.8
-32.5°	2643.9	3239.0	3492.8	3722.7	3920.3	4062.4	4161.7	4244.9	4327.1	4419.8	4523.4
-35°	2141.9	2729.7	3302.5	3481.7	3668.3	3856.6	4003.7	4082.3	4153.8	4218.8	4282.2
-37.5°	1741.5	2156.2	2670.2	3158.8	3385.6	3575.7	3752.4	3889.7	3990.0	4050.9	4107.9
-40°	1584.8	1689.9	2085.2	2487.5	2874.4	3225.6	3405.4	3608.3	3773.2	3862.7	3924.7
-42.5°	1547.3	1595.6	1632.5	1887.4	2195.1	2491.3	2819.0	3144.3	3399.6	3569.9	3696.4
-45°	1465.3	1534.7	1589.7	1612.5	1626.4	1842.3	2096.1	2344.6	2631.2	2927.4	3196.3
-47.5°	1349.0	1439.3	1501.4	1550.1	1579.2	1588.3	1606.2	1661.9	1870.0	2089.0	2297.4
-50°	1219.2	1302.0	1376.5	1444.2	1484.5	1517.1	1548.4	1578.4	1603.8	1635.8	1664.7
-52.5°	1088.6	1164.4	1231.4	1290.9	1344.3	1395.8	1445.3	1482.3	1518.5	1557.4	1589.0
-55°	972.3	1033.8	1089.9	1142.1	1190.3	1233.8	1278.6	1326.4	1375.9	1424.4	1462.0
-57.5°	847.9	906.7	959.9	1004.1	1042.9	1075.4	1116.5	1161.3	1207.9	1251.0	1283.8
-60°	722.5	774.4	823.1	865.9	902.7	933.0	971.0	1008.9	1050.5	1087.4	1116.5
-62.5°	603.3	647.2	688.5	725.9	759.3	790.0	823.7	857.6	896.7	931.1	958.9
-65°	504.3	538.3	566.6	593.2	613.8	640.4	673.0	704.2	738.3	768.0	792.8
-67.5°	397.1	428.5	454.4	477.5	495.7	514.7	538.8	563.7	590.1	613.8	634.6
-70°	303.4	324.5	341.3	358.6	377.2	395.3	414.7	436.0	458.1	477.7	494.8
-72.5°	234.0	244.5	254.3	268.4	280.9	293.5	305.7	321.0	337.4	352.2	365.6
-75°	193.4	199.8	207.3	214.0	219.8	226.5	233.3	243.2	254.0	264.2	273.7
-77.5°	173.5	178.1	181.9	185.0	187.8	191.8	196.2	203.5	211.5	220.1	228.7
-80°	156.6	160.2	163.4	166.1	168.6	171.9	175.4	181.9	188.7	195.9	203.2
-82.5°	141.0	143.9	146.4	148.9	151.3	154.2	157.0	162.7	168.5	174.6	180.6
-85°	126.4	128.8	131.0	133.1	135.0	137.5	139.9	144.8	149.7	154.8	159.9
-87.5°	113.5	115.7	117.9	119.7	121.5	123.7	125.8	130.0	134.3	138.6	142.9
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



REPORT NUMBER: P1305580 (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°	131.2	131.5	131.9	132.2	131.9	131.5	131.2	130.9	127.0	123.1	119.9
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.9	0.6	0.6
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
82.5°	2.2	1.9	2.2	2.6	2.2	1.9	2.2	2.6	2.2	1.9	1.9
80°	2.3	1.9	2.2	2.6	2.2	1.9	2.3	2.6	2.2	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9
75°	3.2	2.6	2.3	1.9	2.3	2.6	3.2	3.8	3.9	4.0	3.8
72.5°	13.2	13.2	13.4	13.5	13.4	13.2	13.2	13.0	11.8	10.8	10.1
70°	16.8	17.2	17.4	17.4	17.4	17.2	16.8	16.3	15.4	14.8	14.5
67.5°	17.2	16.9	16.5	16.1	16.5	16.9	17.2	17.0	16.0	15.3	14.9
65°	10.7	10.1	8.9	7.7	8.9	10.1	10.7	11.3	11.4	11.7	12.0
62.5°	6.2	6.0	5.8	5.8	5.8	6.0	6.2	6.5	6.6	7.0	7.7
60°	3.7	3.9	3.9	3.9	3.9	3.9	3.7	3.5	3.5	3.8	4.2
57.5°	2.8	3.1	3.5	3.9	3.5	3.1	2.8	2.7	2.6	2.8	3.1
55°	6.6	7.3	7.6	7.7	7.6	7.3	6.6	6.2	5.8	5.7	6.2
52.5°	34.8	33.1	31.5	30.3	31.5	33.1	34.8	36.1	35.2	32.1	27.9
50°	150.5	154.4	156.2	156.0	156.2	154.4	150.5	147.7	141.6	130.4	113.9
47.5°	309.9	312.1	310.4	305.6	310.4	312.1	309.9	303.5	300.5	300.1	296.0
45°	616.2	589.5	542.1	500.3	542.1	589.5	616.2	568.3	529.1	495.4	458.9
42.5°	964.5	996.5	1020.5	1031.5	1020.5	996.5	964.5	906.8	863.3	833.4	828.2
40°	1210.4	1176.3	1169.4	1174.6	1169.4	1176.3	1210.4	1243.7	1214.1	1230.7	1217.0
37.5°	1453.8	1484.8	1507.8	1470.5	1507.8	1484.8	1453.8	1450.1	1435.6	1408.9	1380.1
35°	1610.5	1720.8	1850.3	1889.5	1850.3	1720.8	1610.5	1555.7	1532.1	1502.6	1479.9
32.5°	1872.7	1989.1	2039.6	2052.0	2039.6	1989.1	1872.7	1738.5	1658.3	1620.1	1595.9
30°	2289.8	2406.1	2427.0	2443.9	2427.0	2406.1	2289.8	2111.3	1926.1	1839.0	1763.2
27.5°	3219.6	3479.8	3541.5	3585.0	3541.5	3479.8	3219.6	2903.7	2427.7	2206.7	2024.5
25°	5910.7	6587.6	7029.8	6986.9	7029.8	6587.6	5910.7	4931.2	3690.7	3114.9	2499.5
22.5°	12459.7	13788.5	14497.6	14485.0	14497.6	13788.5	12459.7	9965.0	7475.2	5475.2	3908.0
20°	25234.7	29166.5	31294.7	31052.3	31294.7	29166.5	25234.7	19426.7	15349.9	10489.4	7139.8
17.5°	44001.1	51595.2	56900.7	57118.1	56900.7	51595.2	44001.1	35497.2	27926.2	19297.2	12418.4
15°	68038.8	79306.7	87261.1	87260.1	87261.1	79306.7	68038.8	56009.2	43285.1	31155.2	20698.0
12.5°	97294.1	110762.9	119864.0	121228.8	119864.0	110762.9	97294.1	80119.6	59837.0	44553.1	30160.5
10°	125371.5	140627.6	154386.4	158174.6	154386.4	140627.6	125371.5	104440.4	81251.4	57957.6	38225.8
7.5°	149136.7	173135.7	185668.6	189616.0	185668.6	173135.7	149136.7	125823.6	98856.7	70788.7	47442.7
5°	172463.8	193236.9	203759.4	206805.6	203759.4	193236.9	172463.8	141789.2	112016.0	81361.0	54326.1
2.5°	184734.5	203802.1	218591.7	227168.7	218591.7	203802.1	184734.5	153549.8	121156.4	88909.6	59884.4
0°	189351.3	207467.1	227301.2	240810.5	227301.2	207467.1	189351.3	158970.8	124995.5	92217.5	62673.8
-2.5°	184733.5	202262.7	216879.1	223995.4	216879.1	202262.7	184733.5	154542.7	120652.0	88978.9	61047.8
-5°	170735.5	191353.7	201995.6	204689.8	201995.6	191353.7	170735.5	142313.6	110974.9	82383.9	56787.4
-7.5°	148378.5	168208.1	181255.8	184194.7	181255.8	168208.1	148378.5	124252.6	98353.3	71896.7	48934.6
-10°	123488.8	140426.6	149228.9	151405.6	149228.9	140426.6	123488.8	102103.6	80918.9	59600.5	39705.1
-12.5°	95953.5	108374.9	117360.3	118579.9	117360.3	108374.9	95953.5	81178.3	62511.1	45023.5	30255.0
-15°	71422.6	79637.5	86881.5	87713.9	86881.5	79637.5	71422.6	58802.0	45274.7	31923.0	20915.1
-17.5°	47849.4	54650.7	58703.9	59873.4	58703.9	54650.7	47849.4	37619.0	29814.6	20989.2	14276.3
-20°	28669.7	33536.5	36237.7	36339.2	36237.7	33536.5	28669.7	23354.7	18260.9	13151.6	9387.5



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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°	16632.7	19340.7	20769.9	20742.1	20769.9	19340.7	16632.7	13966.1	10737.0	8186.1	6294.7
-25°	9592.4	10778.1	11251.3	11268.1	11251.3	10778.1	9592.4	8049.8	6492.0	5889.6	5247.1
-27.5°	6107.9	6380.1	6489.1	6506.6	6489.1	6380.1	6107.9	5740.7	5283.2	5043.9	4774.8
-30°	5121.0	5280.2	5353.4	5373.9	5353.4	5280.2	5121.0	4941.8	4745.2	4600.3	4457.9
-32.5°	4620.7	4708.5	4767.5	4758.9	4767.5	4708.5	4620.7	4523.4	4419.8	4327.1	4244.9
-35°	4344.1	4398.4	4431.6	4447.6	4431.6	4398.4	4344.1	4282.2	4218.8	4153.8	4082.3
-37.5°	4164.7	4213.3	4244.7	4254.2	4244.7	4213.3	4164.7	4107.9	4050.9	3990.0	3889.7
-40°	3978.1	4018.5	4044.4	4053.7	4044.4	4018.5	3978.1	3924.7	3862.7	3773.2	3608.3
-42.5°	3776.7	3820.1	3840.8	3840.9	3840.8	3820.1	3776.7	3696.4	3569.9	3399.6	3144.3
-45°	3416.9	3550.5	3617.4	3620.4	3617.4	3550.5	3416.9	3196.3	2927.4	2631.2	2344.6
-47.5°	2486.9	2619.0	2725.1	2803.7	2725.1	2619.0	2486.9	2297.4	2089.0	1870.0	1661.9
-50°	1689.9	1698.6	1699.1	1691.6	1699.1	1698.6	1689.9	1664.7	1635.8	1603.8	1578.4
-52.5°	1613.6	1622.7	1629.3	1632.9	1629.3	1622.7	1613.6	1589.0	1557.4	1518.5	1482.3
-55°	1489.8	1501.2	1505.8	1504.0	1505.8	1501.2	1489.8	1462.0	1424.4	1375.9	1326.4
-57.5°	1305.8	1313.3	1316.8	1315.8	1316.8	1313.3	1305.8	1283.8	1251.0	1207.9	1161.3
-60°	1134.4	1140.0	1143.2	1143.0	1143.2	1140.0	1134.4	1116.5	1087.4	1050.5	1008.9
-62.5°	974.6	979.6	983.3	983.8	983.3	979.6	974.6	958.9	931.1	896.7	857.6
-65°	805.3	809.1	811.5	811.0	811.5	809.1	805.3	792.8	768.0	738.3	704.2
-67.5°	643.7	646.4	648.6	648.5	648.6	646.4	643.7	634.6	613.8	590.1	563.7
-70°	500.2	500.5	501.5	500.9	501.5	500.5	500.2	494.8	477.7	458.1	436.0
-72.5°	368.7	368.4	368.2	366.8	368.2	368.4	368.7	365.6	352.2	337.4	321.0
-75°	274.7	273.7	272.8	271.4	272.8	273.7	274.7	273.7	264.2	254.0	243.2
-77.5°	229.6	229.6	228.1	226.3	228.1	229.6	229.6	228.7	220.1	211.5	203.5
-80°	203.6	203.4	202.7	201.8	202.7	203.4	203.6	203.2	195.9	188.7	181.9
-82.5°	181.3	181.6	181.4	181.2	181.4	181.6	181.3	180.6	174.6	168.5	162.7
-85°	160.5	161.1	160.8	160.5	160.8	161.1	160.5	159.9	154.8	149.7	144.8
-87.5°	143.3	143.8	143.8	143.8	143.8	143.8	143.3	142.9	138.6	134.3	130.0
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	116.7	114.5	112.2	110.6	108.9	107.0	105.1	102.2	99.3	96.4	93.5
87.5°	0.6	0.6	0.6	0.9	1.2	1.2	1.2	1.2	1.1	1.2	1.3
85°	1.7	1.7	1.6	1.4	1.3	1.3	1.3	1.5	1.6	1.6	1.5
82.5°	1.9	1.9	1.9	1.8	1.7	1.6	1.6	1.7	1.9	1.9	1.9
80°	1.9	2.2	2.3	2.3	2.2	2.2	2.1	2.0	1.9	1.9	2.0
77.5°	1.9	2.1	2.3	2.5	2.6	2.7	2.7	2.6	2.5	2.6	2.6
75°	3.7	3.9	3.9	3.6	3.4	3.2	3.1	3.0	3.0	3.1	3.2
72.5°	9.5	9.2	8.9	8.1	7.2	7.3	7.1	6.4	5.3	4.0	3.2
70°	14.6	14.9	15.2	15.9	15.8	15.3	13.8	12.2	10.5	8.7	6.7
67.5°	15.8	17.4	18.9	20.0	20.3	20.6	20.0	19.0	18.7	17.1	12.3
65°	13.7	16.1	17.9	19.0	19.5	20.8	22.6	22.8	24.7	25.0	20.4
62.5°	9.4	11.6	13.2	14.7	15.6	17.1	20.3	23.6	28.3	30.2	26.2
60°	5.4	6.5	8.5	10.1	11.3	13.7	17.7	22.9	29.1	29.9	28.9
57.5°	4.1	5.1	6.5	8.0	8.6	11.4	15.4	21.5	27.9	29.0	27.3
55°	6.9	7.9	8.6	10.4	11.6	13.8	15.8	20.9	27.1	29.6	29.8
52.5°	21.0	25.5	25.4	20.4	21.1	24.0	22.4	26.4	30.4	33.8	35.1
50°	105.2	104.6	90.4	73.0	76.2	57.3	57.7	50.9	45.2	46.9	45.0
47.5°	278.9	256.1	233.6	215.6	192.5	170.5	153.3	121.0	111.3	78.9	78.1
45°	443.1	425.7	404.6	370.5	346.2	313.2	288.6	256.4	218.0	185.5	132.2
42.5°	792.2	645.3	549.3	513.4	464.2	429.9	403.0	375.2	346.6	305.9	256.3
40°	1186.0	1148.9	942.6	712.6	604.7	528.6	493.3	469.1	454.3	423.0	375.7
37.5°	1356.4	1316.9	1260.7	1151.7	856.5	685.2	602.7	555.5	551.8	522.8	480.9
35°	1450.7	1421.7	1393.3	1321.9	1164.3	1014.1	784.2	674.1	620.9	608.4	574.0
32.5°	1568.1	1541.0	1503.9	1466.8	1427.8	1412.8	1156.8	887.6	707.3	672.0	641.6
30°	1706.9	1683.5	1639.1	1605.2	1601.6	1588.0	1532.2	1204.2	912.6	727.3	706.3
27.5°	1947.8	1850.5	1798.0	1782.2	1778.4	1770.4	1732.0	1577.5	1155.8	881.7	761.5
25°	2337.5	2147.3	2054.4	2030.4	2031.6	2002.6	1975.3	1847.6	1533.4	1068.5	818.6
22.5°	2970.6	2637.0	2467.8	2386.4	2331.2	2290.1	2207.5	2088.3	1925.0	1336.4	978.3
20°	4334.9	3292.5	2941.4	2744.5	2590.6	2479.9	2368.8	2259.2	2075.6	1661.6	1146.7
17.5°	7655.8	4599.6	3421.0	3090.3	2852.9	2657.1	2531.6	2391.4	2210.7	1919.3	1288.7
15°	12032.1	6933.7	4417.8	3493.8	3154.9	2892.7	2743.8	2564.9	2374.0	2079.3	1497.1
12.5°	18280.5	10071.7	5359.6	3842.9	3405.2	3093.5	2888.3	2741.3	2535.0	2246.3	1749.6
10°	23399.6	13535.3	7321.5	4571.3	3663.9	3240.5	2995.1	2836.5	2649.6	2399.0	1985.5
7.5°	29422.2	16848.2	9014.1	5090.2	3946.8	3415.3	3084.7	2903.7	2725.2	2459.0	2114.6
5°	33427.4	19246.9	10530.7	5649.5	4219.1	3603.6	3165.3	2952.1	2763.0	2478.0	2201.5
2.5°	36600.9	20575.9	11137.8	5803.4	4395.7	3779.8	3271.9	3012.2	2789.9	2501.0	2267.7
0°	38545.9	21408.7	10949.0	5901.9	4503.6	3894.4	3420.0	3078.9	2801.7	2515.5	2303.4
-2.5°	37668.1	21017.0	10856.7	5822.5	4566.5	3960.4	3536.3	3228.6	2866.8	2536.6	2318.7
-5°	35075.5	19520.2	10623.7	5852.2	4594.1	4007.8	3611.6	3323.7	2926.8	2561.8	2304.4
-7.5°	30460.7	17480.9	9565.6	5665.6	4565.5	4025.2	3655.6	3371.6	3002.2	2640.8	2288.0
-10°	24048.0	14206.4	8046.0	5401.6	4505.7	4013.9	3681.9	3375.6	3031.0	2697.9	2232.5
-12.5°	19143.1	11121.9	6451.0	5023.5	4421.4	3990.2	3691.8	3351.1	3041.7	2750.4	2165.8
-15°	13357.7	8337.5	5811.0	4861.3	4339.9	3955.8	3672.4	3305.2	3030.4	2773.9	2042.1
-17.5°	9425.5	6370.0	5178.5	4619.6	4219.3	3920.2	3600.3	3270.2	2995.4	2647.8	1851.4
-20°	6427.1	5447.2	4901.8	4462.9	4109.2	3853.1	3504.8	3218.3	2926.7	2383.6	1711.9



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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°	5447.9	5005.4	4646.9	4303.2	4060.3	3738.4	3419.7	3140.0	2826.0	2084.2	1558.1
-25°	4950.4	4673.2	4419.8	4225.9	3963.3	3632.9	3341.2	3015.6	2484.7	1836.8	1416.4
-27.5°	4590.5	4401.6	4286.5	4099.7	3819.4	3532.9	3230.7	2826.6	2094.5	1635.5	1420.4
-30°	4331.1	4237.5	4116.5	3925.1	3670.4	3397.7	3102.1	2416.8	1828.3	1478.1	1415.2
-32.5°	4161.7	4062.4	3920.3	3722.7	3492.8	3239.0	2643.9	2031.0	1582.8	1468.2	1382.0
-35°	4003.7	3856.6	3668.3	3481.7	3302.5	2729.7	2141.9	1700.7	1518.5	1444.7	1336.6
-37.5°	3752.4	3575.7	3385.6	3158.8	2670.2	2156.2	1741.5	1559.6	1495.1	1393.0	1269.1
-40°	3405.4	3225.6	2874.4	2487.5	2085.2	1689.9	1584.8	1534.7	1436.4	1324.2	1187.8
-42.5°	2819.0	2491.3	2195.1	1887.4	1632.5	1595.6	1547.3	1462.2	1358.5	1230.6	1102.0
-45°	2096.1	1842.3	1626.4	1612.5	1589.7	1534.7	1465.3	1366.8	1253.4	1132.7	1011.0
-47.5°	1606.2	1588.3	1579.2	1550.1	1501.4	1439.3	1349.0	1251.9	1142.3	1031.4	927.3
-50°	1548.4	1517.1	1484.5	1444.2	1376.5	1302.0	1219.2	1128.0	1031.6	938.6	840.4
-52.5°	1445.3	1395.8	1344.3	1290.9	1231.4	1164.4	1088.6	1013.1	931.6	841.1	750.2
-55°	1278.6	1233.8	1190.3	1142.1	1089.9	1033.8	972.3	900.9	820.7	737.5	660.3
-57.5°	1116.5	1075.4	1042.9	1004.1	959.9	906.7	847.9	778.4	707.7	638.1	570.8
-60°	971.0	933.0	902.7	865.9	823.1	774.4	722.5	663.5	599.4	547.6	496.8
-62.5°	823.7	790.0	759.3	725.9	688.5	647.2	603.3	561.2	513.5	466.1	416.7
-65°	673.0	640.4	613.8	593.2	566.6	538.3	504.3	466.8	422.5	379.0	333.7
-67.5°	538.8	514.7	495.7	477.5	454.4	428.5	397.1	363.5	331.3	299.3	263.9
-70°	414.7	395.3	377.2	358.6	341.3	324.5	303.4	279.3	252.3	231.1	211.9
-72.5°	305.7	293.5	280.9	268.4	254.3	244.5	234.0	221.1	206.3	189.9	175.8
-75°	233.3	226.5	219.8	214.0	207.3	199.8	193.4	186.1	178.2	169.4	160.6
-77.5°	196.2	191.8	187.8	185.0	181.9	178.1	173.5	167.5	161.4	154.1	146.9
-80°	175.4	171.9	168.6	166.1	163.4	160.2	156.6	151.6	146.2	140.1	134.1
-82.5°	157.0	154.2	151.3	148.9	146.4	143.9	141.0	136.7	132.2	126.9	121.7
-85°	139.9	137.5	135.0	133.1	131.0	128.8	126.4	122.6	118.7	114.3	109.9
-87.5°	125.8	123.7	121.5	119.7	117.9	115.7	113.5	110.3	107.2	103.7	100.2
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	89.6	85.7	82.8	79.9	76.7	73.5	70.0	66.4	61.9	57.4	51.9
87.5°	1.3	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.9
85°	1.5	1.5	1.7	1.9	1.9	1.9	1.9	1.8	2.0	2.2	2.2
82.5°	1.9	1.9	1.9	1.9	2.1	2.2	2.2	2.1	2.4	2.6	2.5
80°	2.2	2.3	2.2	2.1	2.3	2.6	2.5	2.4	2.6	2.8	2.8
77.5°	2.7	2.7	2.6	2.5	2.5	2.6	2.7	2.7	2.9	3.1	3.1
75°	3.2	3.0	2.7	2.7	2.8	2.7	2.9	3.1	3.3	3.3	3.4
72.5°	3.2	3.2	3.0	2.9	3.3	3.4	3.4	3.4	3.7	3.9	3.8
70°	4.8	3.8	3.6	3.7	4.0	4.2	4.2	4.3	4.2	4.4	4.5
67.5°	7.8	6.4	5.3	4.7	4.7	5.0	5.2	5.4	5.4	5.1	5.1
65°	15.0	10.8	7.6	6.7	6.0	5.9	6.1	6.6	6.6	6.4	5.9
62.5°	21.5	16.7	12.8	9.6	8.0	8.0	7.1	7.9	7.9	7.9	7.1
60°	27.4	22.4	18.5	15.2	12.3	10.8	10.2	9.4	9.6	9.4	8.6
57.5°	27.6	27.2	25.4	21.5	18.8	15.7	14.0	12.8	11.6	11.4	10.2
55°	28.0	28.4	31.8	29.4	26.6	22.5	19.6	17.3	14.5	13.8	11.9
52.5°	33.5	34.4	37.1	38.9	36.8	31.1	28.1	22.2	20.0	16.3	14.3
50°	43.0	46.3	46.7	49.9	48.3	44.5	37.2	31.2	26.0	19.9	16.8
47.5°	67.0	70.1	64.2	65.7	62.7	60.0	51.2	42.1	32.4	25.9	19.5
45°	127.5	109.7	99.4	90.8	83.0	79.8	68.0	54.1	43.5	32.3	22.3
42.5°	206.7	180.0	159.2	120.9	116.4	103.1	88.3	72.5	55.4	38.9	26.9
40°	318.3	267.3	232.0	191.2	157.6	129.5	114.4	93.2	68.2	47.2	32.8
37.5°	423.5	358.3	313.3	263.8	209.4	172.6	143.2	115.4	83.3	58.9	38.9
35°	507.9	443.2	382.4	331.2	276.2	215.8	174.1	140.3	102.9	71.0	45.0
32.5°	584.6	515.8	446.8	389.2	329.4	257.9	210.1	165.0	122.6	83.6	51.5
30°	652.5	586.7	508.1	436.8	373.2	302.1	244.1	188.0	142.3	96.6	59.0
27.5°	726.6	660.3	570.4	488.5	411.9	340.4	271.3	209.4	162.0	109.7	68.9
25°	796.3	728.8	639.8	546.6	450.9	371.0	296.6	229.4	180.4	123.1	78.2
22.5°	843.0	786.6	703.4	608.0	493.9	400.9	321.4	251.1	192.8	135.3	86.9
20°	880.7	837.3	759.7	654.5	540.7	436.2	346.2	268.7	204.4	146.3	95.1
17.5°	934.4	878.3	799.7	693.6	583.6	471.8	370.0	285.2	215.1	156.1	102.6
15°	1066.4	914.2	838.5	730.3	616.7	502.1	393.3	300.8	224.7	164.8	109.4
12.5°	1203.3	949.1	876.0	762.1	641.1	528.0	415.6	315.3	233.4	173.7	115.4
10°	1331.8	979.4	911.0	791.1	662.3	549.8	436.6	331.2	246.4	182.8	120.8
7.5°	1440.5	1007.1	943.9	817.3	681.5	569.5	457.8	351.1	259.4	191.2	125.6
5°	1532.3	1032.6	975.8	849.7	704.2	587.7	476.6	369.5	271.6	198.7	129.8
2.5°	1594.8	1055.7	1004.5	879.9	724.0	602.8	492.6	386.3	282.8	205.3	133.2
0°	1636.2	1076.6	1028.9	905.8	740.7	615.0	506.1	401.0	292.7	210.8	136.0
-2.5°	1649.2	1098.4	1048.9	927.7	767.4	631.2	515.9	407.9	299.4	217.0	140.6
-5°	1639.9	1118.6	1065.2	945.2	789.7	644.3	523.2	412.5	304.7	222.0	144.5
-7.5°	1611.9	1141.3	1078.8	958.2	806.9	653.7	527.8	415.0	308.5	225.6	147.5
-10°	1564.1	1164.0	1089.7	963.1	809.5	658.5	529.9	415.3	310.8	227.9	149.6
-12.5°	1504.0	1184.8	1096.4	962.2	806.3	659.5	531.7	414.4	311.4	228.7	150.7
-15°	1427.1	1211.1	1105.1	956.3	799.2	657.5	530.1	411.2	309.5	227.3	150.7
-17.5°	1326.3	1235.6	1110.6	948.6	789.4	652.5	524.7	405.1	305.8	223.6	149.4
-20°	1323.8	1246.2	1107.6	933.8	775.3	643.3	515.6	396.1	300.4	218.6	146.9



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1342.3	1241.8	1090.1	914.2	758.6	630.4	503.5	384.2	293.3	212.3	143.5
-25°	1352.4	1233.5	1065.8	893.0	741.3	614.0	489.4	371.8	284.3	204.7	139.1
-27.5°	1335.9	1208.7	1034.0	864.8	721.7	594.4	473.1	362.8	276.2	195.7	133.9
-30°	1307.7	1161.8	995.1	832.1	696.3	571.8	453.8	352.0	267.2	188.5	127.7
-32.5°	1265.6	1111.4	951.2	800.7	667.4	545.8	432.0	339.1	256.8	182.2	123.7
-35°	1199.3	1054.6	904.2	765.4	635.3	519.2	411.2	324.2	245.0	174.4	120.3
-37.5°	1127.7	989.4	860.6	727.0	601.8	490.3	392.8	308.4	231.7	164.9	116.5
-40°	1052.6	923.5	804.6	685.6	567.2	459.1	371.8	290.6	218.7	153.8	111.8
-42.5°	974.0	859.0	746.7	637.4	529.6	432.8	348.2	269.9	203.2	145.6	106.4
-45°	900.4	791.4	685.5	586.3	489.5	403.4	322.1	247.2	185.9	138.4	102.3
-47.5°	823.0	721.2	624.0	531.9	452.8	370.8	292.7	226.1	167.3	130.2	100.6
-50°	743.3	649.8	561.4	482.6	410.2	334.5	262.0	203.3	156.3	120.5	98.6
-52.5°	662.5	578.0	502.8	433.7	364.3	295.0	233.6	179.7	144.4	115.1	96.3
-55°	580.9	512.4	447.3	381.2	315.7	258.1	202.9	164.7	131.6	111.6	93.7
-57.5°	511.0	450.3	387.4	325.5	271.0	220.5	180.0	149.0	125.2	107.8	91.9
-60°	441.6	382.0	323.9	275.2	228.7	190.2	161.7	136.0	120.5	103.9	89.6
-62.5°	364.1	312.8	269.6	227.3	195.0	168.1	144.7	129.6	115.3	100.8	87.1
-65°	293.5	254.2	217.4	193.2	169.1	148.8	136.5	122.7	110.5	97.4	84.4
-67.5°	228.4	207.1	185.7	163.9	150.7	139.5	127.9	116.9	105.9	93.7	81.6
-70°	192.0	172.7	160.1	150.2	140.4	130.3	121.2	111.5	101.1	90.2	78.7
-72.5°	166.1	156.9	147.8	138.9	131.0	122.8	114.7	106.0	96.3	86.4	75.5
-75°	152.1	144.3	136.7	129.4	122.2	115.1	108.0	100.1	91.4	82.5	72.2
-77.5°	139.9	132.9	126.2	119.9	113.9	107.8	101.2	94.1	86.2	78.1	68.6
-80°	128.0	122.0	116.5	111.1	105.9	100.5	94.2	88.0	80.9	73.6	64.9
-82.5°	116.4	111.3	106.7	102.0	97.3	92.5	87.1	81.8	75.4	69.0	61.4
-85°	105.3	100.7	96.7	92.6	88.5	84.4	80.3	76.0	70.6	65.2	58.3
-87.5°	96.3	92.4	89.1	85.8	82.4	79.0	75.1	71.3	66.3	61.3	55.2
-90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	46.4	39.0	31.6	22.9	14.2	8.0	1.9
87.5°	2.1	2.1	2.1	2.1	2.0	2.1	1.9
85°	2.3	2.3	2.4	2.2	2.1	2.2	1.9
82.5°	2.5	2.6	2.6	2.4	2.2	2.4	1.9
80°	2.7	2.8	2.8	2.6	2.4	2.5	1.9
77.5°	3.0	3.1	3.0	2.7	2.5	2.7	1.9
75°	3.4	3.4	3.3	2.9	2.7	2.8	1.9
72.5°	3.8	3.8	3.6	3.1	2.8	3.0	1.9
70°	4.2	4.2	4.0	3.3	3.0	3.2	1.9
67.5°	5.0	4.6	4.4	3.7	3.2	3.3	1.9
65°	5.8	5.2	4.8	4.1	3.4	3.5	1.9
62.5°	6.7	6.1	5.2	4.4	3.6	3.7	1.9
60°	7.6	7.0	5.7	4.9	3.8	3.8	1.9
57.5°	9.0	7.9	6.5	5.3	4.2	4.0	1.9
55°	10.5	8.9	7.4	5.7	4.7	4.2	1.9
52.5°	12.1	9.9	8.3	6.1	5.1	4.3	1.9
50°	13.6	11.3	9.3	6.5	5.6	4.5	1.9
47.5°	15.3	12.8	10.2	7.1	6.1	4.7	1.9
45°	17.7	14.4	11.2	7.8	6.6	4.9	1.9
42.5°	20.2	16.0	12.2	8.5	7.1	5.1	1.9
40°	22.9	17.7	13.4	9.5	7.6	5.2	1.9
37.5°	25.8	19.4	14.7	10.6	8.1	5.4	1.9
35°	28.8	21.5	16.0	11.6	8.7	5.6	1.9
32.5°	32.5	23.9	17.3	12.7	9.2	5.8	1.9
30°	37.9	26.3	18.6	13.8	9.7	5.9	1.9
27.5°	43.1	28.6	20.3	14.8	10.3	6.1	1.9
25°	48.3	31.0	22.0	15.9	10.8	6.3	1.9
22.5°	53.4	33.4	23.6	16.9	11.3	6.5	1.9
20°	58.3	35.8	25.2	18.0	11.8	6.6	1.9
17.5°	62.8	38.1	26.8	19.0	12.4	6.8	1.9
15°	67.0	40.3	28.3	20.0	12.9	6.9	1.9
12.5°	70.9	42.4	29.8	20.9	13.3	7.1	1.9
10°	74.4	44.4	31.2	21.8	13.8	7.2	1.9
7.5°	77.7	46.2	32.5	22.7	14.3	7.4	1.9
5°	80.5	47.9	33.8	23.6	14.7	7.5	1.9
2.5°	83.0	49.5	35.0	24.4	15.1	7.6	1.9
0°	85.1	50.9	36.1	25.1	15.5	7.7	1.9
-2.5°	87.8	53.0	37.7	26.2	16.2	8.0	1.9
-5°	90.1	55.0	39.2	27.3	16.8	8.3	1.9
-7.5°	92.0	56.9	40.6	28.3	17.5	8.6	1.9
-10°	93.5	58.5	42.0	29.2	18.1	8.9	1.9
-12.5°	94.5	60.0	43.2	30.1	18.6	9.2	1.9
-15°	95.0	61.3	44.3	30.9	19.1	9.4	1.9
-17.5°	95.1	62.4	45.2	31.6	19.6	9.7	1.9
-20°	94.7	63.4	46.1	32.2	20.0	9.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	94.0	64.1	46.8	32.8	20.4	10.1	1.9
-25°	92.8	64.8	47.5	33.2	20.8	10.3	1.9
-27.5°	91.0	65.3	47.9	33.6	21.1	10.4	1.9
-30°	88.8	65.6	48.3	33.9	21.3	10.6	1.9
-32.5°	86.1	65.8	48.8	34.2	21.5	10.7	1.9
-35°	85.1	65.7	49.1	34.3	21.7	10.8	1.9
-37.5°	84.9	65.7	49.4	34.3	21.8	10.9	1.9
-40°	84.4	65.8	49.5	34.3	21.8	10.9	1.9
-42.5°	83.6	65.8	49.5	34.2	21.9	11.0	1.9
-45°	82.6	65.6	49.4	34.2	21.8	11.0	1.9
-47.5°	81.3	65.2	49.2	34.0	21.7	11.0	1.9
-50°	80.3	64.7	48.9	33.9	21.6	11.0	1.9
-52.5°	79.3	64.0	48.4	33.8	21.4	10.9	1.9
-55°	78.1	63.1	47.8	33.6	21.2	10.9	1.9
-57.5°	76.6	62.0	47.1	33.3	20.9	10.8	1.9
-60°	74.9	60.7	46.3	32.9	20.6	10.7	1.9
-62.5°	73.2	59.3	45.6	32.4	20.3	10.6	1.9
-65°	71.2	57.7	44.7	31.9	19.9	10.4	1.9
-67.5°	69.1	56.2	43.8	31.2	19.5	10.3	1.9
-70°	66.9	54.6	42.8	30.5	19.1	10.1	1.9
-72.5°	64.5	52.8	41.6	29.8	18.6	9.9	1.9
-75°	62.0	51.0	40.4	29.0	18.1	9.7	1.9
-77.5°	59.3	49.0	39.1	28.1	17.5	9.4	1.9
-80°	56.4	47.1	37.8	27.2	16.9	9.2	1.9
-82.5°	54.0	45.2	36.3	26.2	16.3	8.9	1.9
-85°	51.6	43.2	34.8	25.2	15.6	8.6	1.9
-87.5°	49.0	41.1	33.3	24.1	14.9	8.4	1.9
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)