

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: P1305373 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/3/2026

**Test Information**

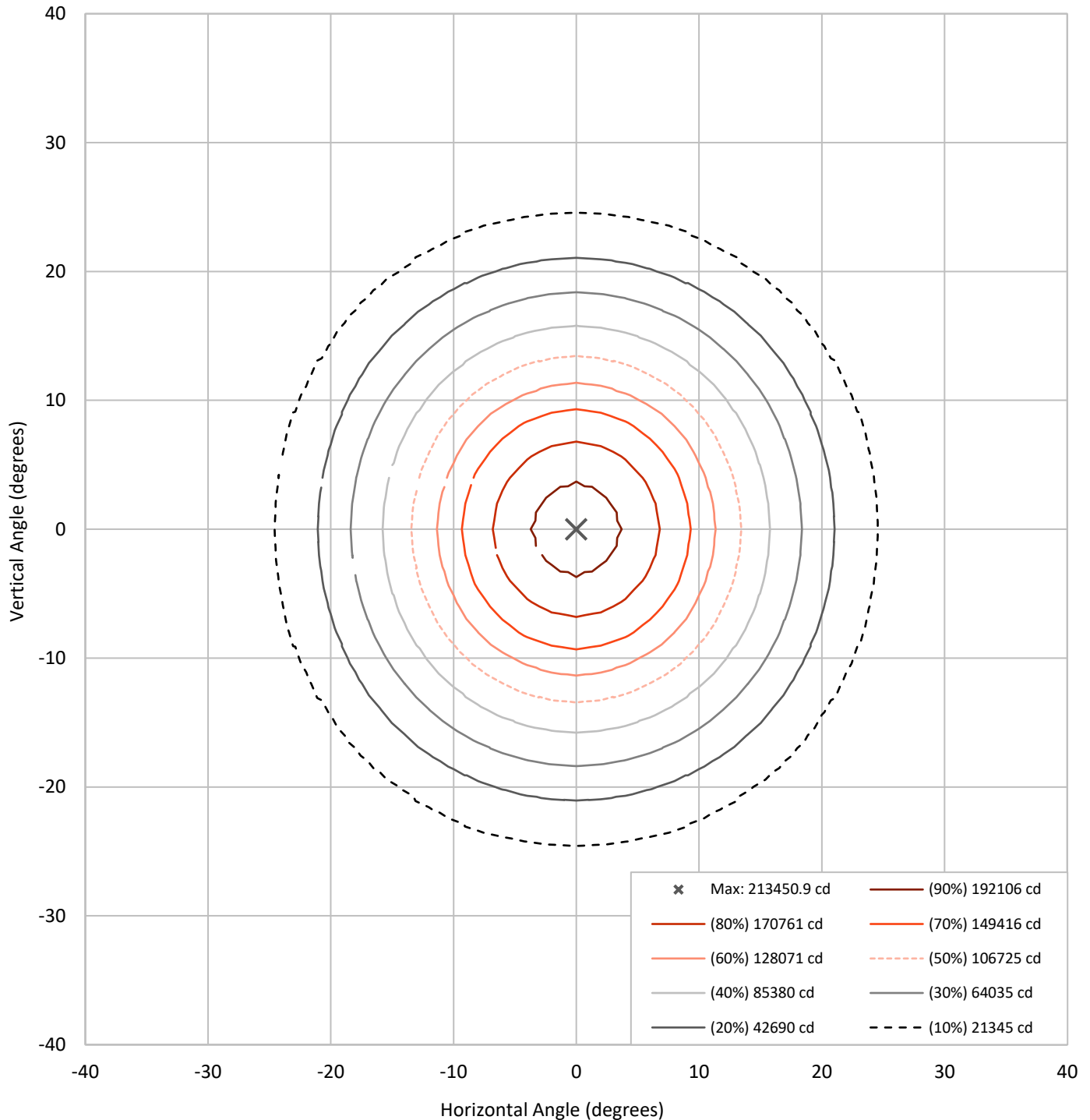
Test Method: LM-79-08  
Report Number: P1305373 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320L-57-80-3S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	57650.2 lumens	Max Intensity:	213450.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	172.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	24996.3 lumens	Field Lumens:	47855.4 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%
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





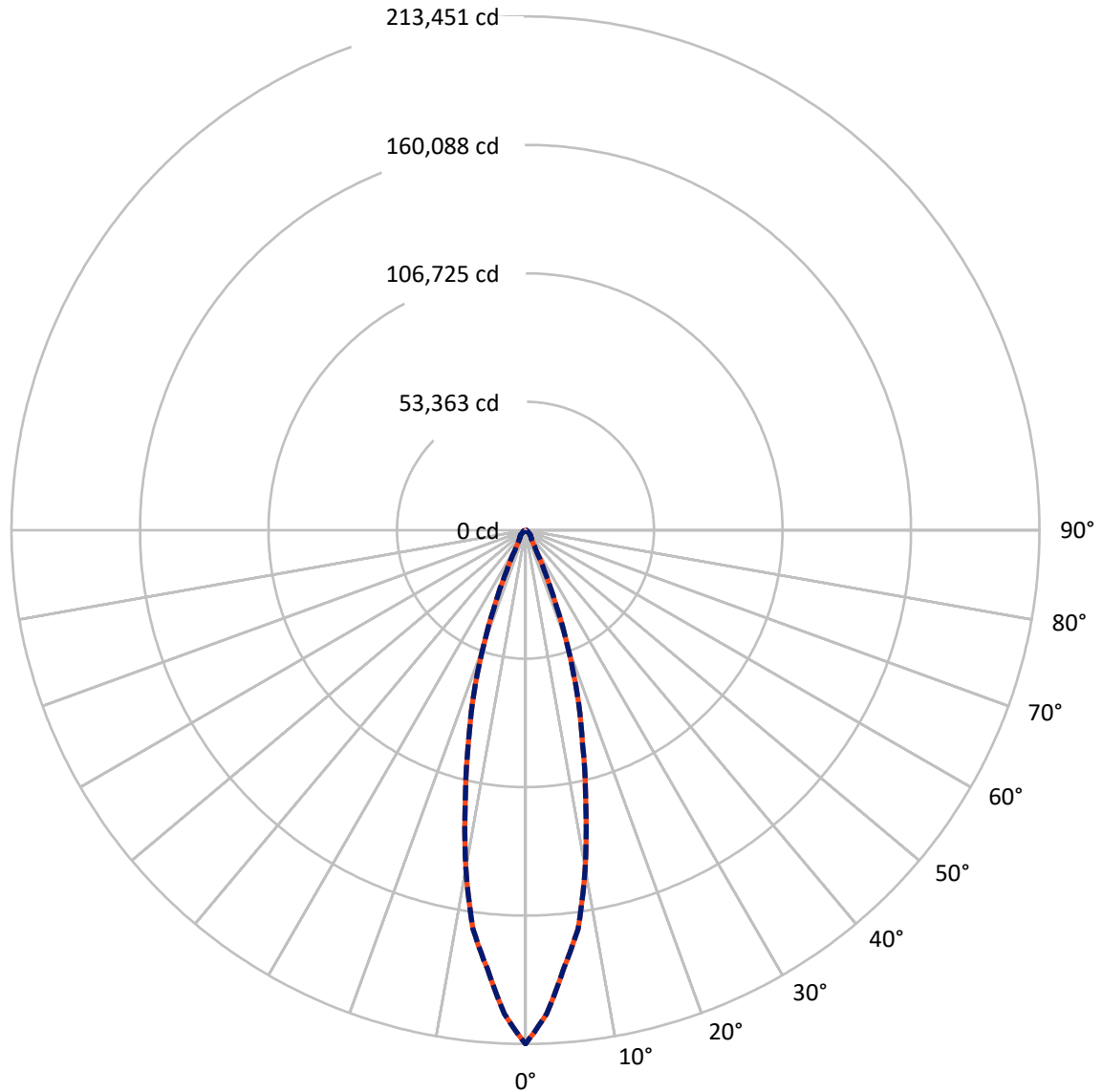
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### Lumen Table

90	0.1	0.5		2.0		5.2		6.9		5.2		2.0		0.5		0.1			
80	0.1	0.5		2.0		5.2		6.9		5.2		2.0		0.5		0.1			
70	0.2	0.3	1.3	3.8	7.5	11.4	14.6	16.4	16.4	14.6	11.4	7.5	3.8	1.3	0.3	0.2			
60		1.0	4.5	10.5	18.0	25.7	31.9	35.2	35.2	31.9	25.7	18.0	10.5	4.5	1.0				
50	0.7	2.4	8.6	18.2	30.2	47.5	68.0	79.8	79.8	68.0	47.5	30.2	18.2	8.6	2.4	0.7			
40		4.0	12.7	26.1	53.3	87.8	112.9	132.6	132.6	112.9	87.8	53.3	26.1	12.7	4.0				
30	1.5	5.5	16.5	37.4	79.5	125.8	290.8	598.2	598.2	290.8	125.8	79.5	37.4	16.5	5.5	1.5			
20		6.6	19.2	50.4	96.1	274.5	1272.4	2547.9	2547.9	1272.4	274.5	96.1	50.4	19.2	6.6				
10	1.9	7.2	20.5	57.2	109.6	550.6	2478.2	4887.5	4887.5	2478.2	550.6	109.6	57.2	20.5	7.2	1.9			
0		7.2	20.5	57.2	109.6	550.6	2478.2	4887.5	4887.5	2478.2	550.6	109.6	57.2	20.5	7.2				
-10	1.5	6.6	19.2	50.4	96.1	274.5	1272.4	2547.9	2547.9	1272.4	274.5	96.1	50.4	19.2	6.6	1.5			
-20		5.5	16.5	37.4	79.5	125.8	290.8	598.2	598.2	290.8	125.8	79.5	37.4	16.5	5.5				
-30	0.7	4.0	12.7	26.1	53.3	87.8	112.9	132.6	132.6	112.9	87.8	53.3	26.1	12.7	4.0	0.7			
-40		2.4	8.6	18.2	30.2	47.5	68.0	79.8	79.8	68.0	47.5	30.2	18.2	8.6	2.4				
-50	0.2	1.0	4.5	10.5	18.0	25.7	31.9	35.2	35.2	31.9	25.7	18.0	10.5	4.5	1.0	0.2			
-60		0.3	1.3	3.8	7.5	11.4	14.6	16.4	16.4	14.6	11.4	7.5	3.8	1.3	0.3				
-70	0.1	0.5		2.0		5.2		6.9		5.2		2.0		0.5		0.1			
-80		0.5		2.0		5.2		6.9		5.2		2.0		0.5					
-90	0.1	0.5		2.0		5.2		6.9		5.2		2.0		0.5		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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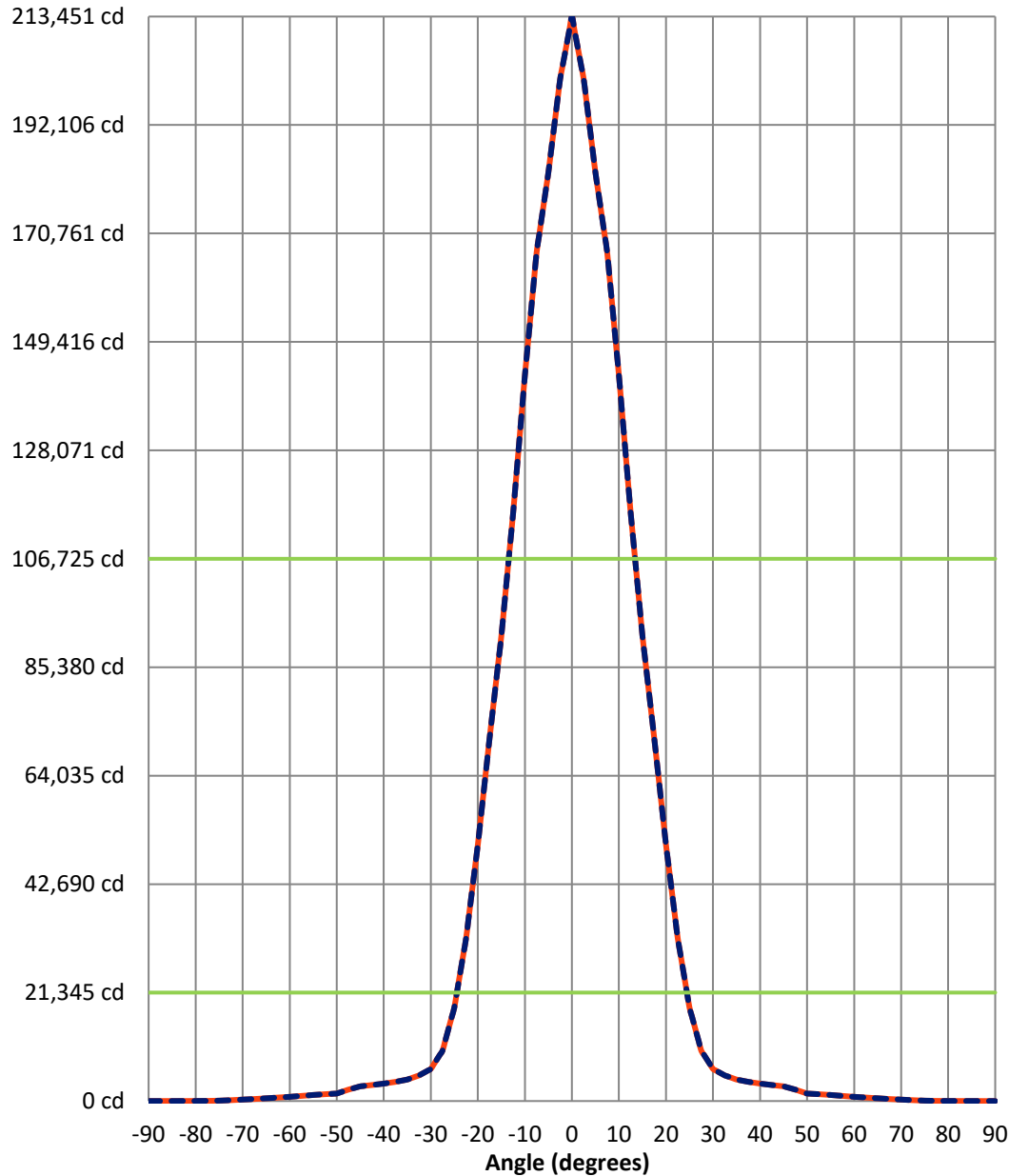
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 26.9°  
 V Angle: 26.9°  
 Lumens: 24996.3  
 Efficiency: 43.4%

**Field:**  
 H Angle: 48.9°  
 V Angle: 48.9°  
 Lumens: 47855.4  
 Efficiency: 83.0%

**Spill:**  
 Lumens: 9794.8  
 Efficiency: 17.0%

- 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.6
85°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.3	2.7	3.0	3.3
82.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.3	4.7
80°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.5	4.9	5.4	5.9
77.5°	0.0	0.8	1.7	2.5	3.4	4.1	4.7	5.3	5.9	6.5	7.3
75°	0.0	1.0	2.0	3.0	4.0	4.7	5.5	6.2	7.0	8.1	9.3
72.5°	0.0	1.2	2.3	3.5	4.5	5.3	6.2	7.2	8.5	9.9	11.2
70°	0.0	1.3	2.7	4.0	4.9	5.9	7.0	8.5	10.1	11.7	13.8
67.5°	0.0	1.5	3.0	4.3	5.4	6.5	8.1	9.9	11.7	14.1	16.5
65°	0.0	1.6	3.3	4.7	5.9	7.3	9.3	11.2	13.8	16.5	20.0
62.5°	0.0	1.8	3.6	5.0	6.3	8.2	10.4	12.9	15.9	19.4	25.2
60°	0.0	1.9	3.9	5.3	6.8	9.1	11.5	14.7	18.0	24.0	30.4
57.5°	0.0	2.1	4.1	5.7	7.5	10.0	12.9	16.5	21.6	28.5	43.6
55°	0.0	2.2	4.3	6.0	8.2	10.9	14.4	18.2	25.5	35.3	60.5
52.5°	0.0	2.4	4.5	6.3	8.9	11.8	15.9	21.4	29.4	50.1	76.9
50°	0.0	2.5	4.7	6.6	9.5	13.0	17.2	24.6	35.7	64.4	106.7
47.5°	0.0	2.6	4.9	6.9	10.1	14.1	18.8	27.8	48.0	78.3	137.2
45°	0.0	2.8	5.1	7.4	10.7	15.1	21.4	30.8	59.9	104.4	166.6
42.5°	0.0	2.9	5.3	7.8	11.3	16.2	23.8	37.8	71.2	129.7	201.2
40°	0.0	3.0	5.4	8.2	12.0	17.2	26.2	47.2	85.6	154.0	235.4
37.5°	0.0	3.1	5.6	8.6	12.7	18.1	28.5	56.3	106.0	178.8	268.0
35°	0.0	3.2	5.7	9.0	13.4	19.6	30.6	64.8	125.4	206.5	298.6
32.5°	0.0	3.3	5.9	9.3	14.1	21.2	34.0	72.8	143.6	232.6	327.1
30°	0.0	3.4	6.0	9.7	14.7	22.8	40.4	82.1	160.7	257.0	353.8
27.5°	0.0	3.5	6.1	10.0	15.3	24.2	46.4	95.9	178.2	279.8	378.6
25°	0.0	3.5	6.3	10.2	15.8	25.5	51.9	108.6	196.7	300.4	401.8
22.5°	0.0	3.6	6.4	10.5	16.3	26.7	56.9	120.2	213.5	319.1	428.3
20°	0.0	3.7	6.4	10.7	16.7	27.8	61.4	130.7	228.8	335.9	452.2
17.5°	0.0	3.7	6.5	10.9	17.1	28.8	65.4	140.0	242.3	350.9	473.5
15°	0.0	3.8	6.6	11.1	17.5	29.6	68.9	148.1	254.1	364.0	492.1
12.5°	0.0	3.8	6.7	11.3	17.7	30.4	71.8	154.9	264.1	375.1	507.9
10°	0.0	3.8	6.7	11.4	18.0	31.0	74.3	160.6	272.4	384.3	520.9
7.5°	0.0	3.9	6.8	11.5	18.2	31.4	76.2	165.0	278.8	391.4	531.1
5°	0.0	3.9	6.8	11.5	18.3	31.7	77.5	168.2	283.4	396.5	538.4
2.5°	0.0	3.9	6.8	11.6	18.4	31.9	78.3	170.1	286.2	399.6	542.7
0°	0.0	3.9	6.8	11.6	18.4	32.0	78.6	170.7	287.1	400.6	544.2
-2.5°	0.0	3.9	6.8	11.6	18.4	31.9	78.3	170.1	286.2	399.6	542.7
-5°	0.0	3.9	6.8	11.5	18.3	31.7	77.5	168.2	283.4	396.5	538.4
-7.5°	0.0	3.9	6.8	11.5	18.2	31.4	76.2	165.0	278.8	391.4	531.1
-10°	0.0	3.8	6.7	11.4	18.0	31.0	74.3	160.6	272.4	384.3	520.9
-12.5°	0.0	3.8	6.7	11.3	17.7	30.4	71.8	154.9	264.1	375.1	507.9
-15°	0.0	3.8	6.6	11.1	17.5	29.6	68.9	148.1	254.1	364.0	492.1
-17.5°	0.0	3.7	6.5	10.9	17.1	28.8	65.4	140.0	242.3	350.9	473.5
-20°	0.0	3.7	6.4	10.7	16.7	27.8	61.4	130.7	228.8	335.9	452.2



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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°	0.0	3.6	6.4	10.5	16.3	26.7	56.9	120.2	213.5	319.1	428.3
-25°	0.0	3.5	6.3	10.2	15.8	25.5	51.9	108.6	196.7	300.4	401.8
-27.5°	0.0	3.5	6.1	10.0	15.3	24.2	46.4	95.9	178.2	279.8	378.6
-30°	0.0	3.4	6.0	9.7	14.7	22.8	40.4	82.1	160.7	257.0	353.8
-32.5°	0.0	3.3	5.9	9.3	14.1	21.2	34.0	72.8	143.6	232.6	327.1
-35°	0.0	3.2	5.7	9.0	13.4	19.6	30.6	64.8	125.4	206.5	298.6
-37.5°	0.0	3.1	5.6	8.6	12.7	18.1	28.5	56.3	106.0	178.8	268.0
-40°	0.0	3.0	5.4	8.2	12.0	17.2	26.2	47.2	85.6	154.0	235.4
-42.5°	0.0	2.9	5.3	7.8	11.3	16.2	23.8	37.8	71.2	129.7	201.2
-45°	0.0	2.8	5.1	7.4	10.7	15.1	21.4	30.8	59.9	104.4	166.6
-47.5°	0.0	2.6	4.9	6.9	10.1	14.1	18.8	27.8	48.0	78.3	137.2
-50°	0.0	2.5	4.7	6.6	9.5	13.0	17.2	24.6	35.7	64.4	106.7
-52.5°	0.0	2.4	4.5	6.3	8.9	11.8	15.9	21.4	29.4	50.1	76.9
-55°	0.0	2.2	4.3	6.0	8.2	10.9	14.4	18.2	25.5	35.3	60.5
-57.5°	0.0	2.1	4.1	5.7	7.5	10.0	12.9	16.5	21.6	28.5	43.6
-60°	0.0	1.9	3.9	5.3	6.8	9.1	11.5	14.7	18.0	24.0	30.4
-62.5°	0.0	1.8	3.6	5.0	6.3	8.2	10.4	12.9	15.9	19.4	25.2
-65°	0.0	1.6	3.3	4.7	5.9	7.3	9.3	11.2	13.8	16.5	20.0
-67.5°	0.0	1.5	3.0	4.3	5.4	6.5	8.1	9.9	11.7	14.1	16.5
-70°	0.0	1.3	2.7	4.0	4.9	5.9	7.0	8.5	10.1	11.7	13.8
-72.5°	0.0	1.2	2.3	3.5	4.5	5.3	6.2	7.2	8.5	9.9	11.2
-75°	0.0	1.0	2.0	3.0	4.0	4.7	5.5	6.2	7.0	8.1	9.3
-77.5°	0.0	0.8	1.7	2.5	3.4	4.1	4.7	5.3	5.9	6.5	7.3
-80°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.5	4.9	5.4	5.9
-82.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.3	4.7
-85°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.3	2.7	3.0	3.3
-87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.6
-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):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1
85°	3.6	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6
82.5°	5.0	5.3	5.7	6.0	6.3	6.6	6.9	7.4	7.8	8.2	8.6
80°	6.3	6.8	7.5	8.2	8.9	9.5	10.1	10.7	11.3	12.0	12.7
77.5°	8.2	9.1	10.0	10.9	11.8	13.0	14.1	15.1	16.2	17.2	18.1
75°	10.4	11.5	12.9	14.4	15.9	17.2	18.8	21.4	23.8	26.2	28.5
72.5°	12.9	14.7	16.5	18.2	21.4	24.6	27.8	30.8	37.8	47.2	56.3
70°	15.9	18.0	21.6	25.5	29.4	35.7	48.0	59.9	71.2	85.6	106.0
67.5°	19.4	24.0	28.5	35.3	50.1	64.4	78.3	104.4	129.7	154.0	178.8
65°	25.2	30.4	43.6	60.5	76.9	106.7	137.2	166.6	201.2	235.4	268.0
62.5°	31.0	47.8	66.8	91.8	127.4	162.1	202.2	243.2	282.6	319.6	354.7
60°	47.8	68.9	100.1	140.0	181.0	228.8	275.1	319.1	361.2	401.8	450.6
57.5°	66.8	100.1	144.2	191.6	244.8	296.4	345.4	392.8	448.7	504.3	557.7
55°	91.8	140.0	191.6	250.2	306.9	361.3	417.8	482.6	545.2	606.6	665.4
52.5°	127.4	181.0	244.8	306.9	366.6	431.4	503.1	573.3	642.0	707.6	769.4
50°	162.1	228.8	296.4	361.3	431.4	510.0	587.5	663.4	735.7	804.7	880.0
47.5°	202.2	275.1	345.4	417.8	503.1	587.5	670.6	749.8	826.1	915.7	1003.5
45°	243.2	319.1	392.8	482.6	573.3	663.4	749.8	833.3	933.7	1031.8	1129.6
42.5°	282.6	361.2	448.7	545.2	642.0	735.7	826.1	933.7	1041.3	1149.0	1243.1
40°	319.6	401.8	504.3	606.6	707.6	804.7	915.7	1031.8	1149.0	1251.3	1342.9
37.5°	354.7	450.6	557.7	665.4	769.4	880.0	1003.5	1129.6	1243.1	1342.9	1424.0
35°	388.1	497.0	609.4	720.6	828.3	958.4	1091.0	1218.5	1326.1	1416.9	1640.2
32.5°	424.7	540.9	658.2	772.3	896.3	1034.0	1174.7	1292.9	1395.6	1551.2	2096.3
30°	462.1	582.8	703.9	821.0	961.6	1107.6	1243.7	1360.7	1458.2	1960.2	2482.9
27.5°	497.0	622.0	745.6	874.4	1023.2	1176.6	1305.5	1415.8	1736.5	2330.4	2823.3
25°	529.2	658.2	784.3	926.6	1082.5	1232.9	1360.4	1467.2	2074.6	2629.3	2996.1
22.5°	559.0	691.4	819.7	974.5	1136.9	1281.9	1404.4	1720.2	2363.8	2899.0	3118.3
20°	586.1	720.6	856.2	1018.3	1186.3	1326.5	1444.4	1985.2	2599.6	3003.3	3235.1
17.5°	610.3	746.6	891.6	1058.7	1224.3	1363.1	1510.2	2223.2	2811.8	3097.3	3343.1
15°	631.4	769.4	922.6	1094.2	1256.5	1392.2	1703.4	2401.1	2936.9	3181.9	3439.4
12.5°	649.4	788.7	949.0	1124.5	1284.0	1417.0	1869.0	2549.4	3002.9	3258.0	3540.6
10°	664.2	804.7	970.8	1149.4	1306.7	1437.6	2005.8	2672.1	3057.6	3321.3	3625.0
7.5°	675.8	817.2	987.8	1168.9	1324.4	1453.7	2113.2	2768.5	3100.6	3371.1	3691.5
5°	684.1	826.1	1000.0	1182.9	1337.2	1465.2	2190.4	2837.9	3131.6	3407.0	3739.6
2.5°	689.0	831.5	1007.3	1191.4	1344.8	1472.2	2237.0	2879.7	3150.3	3428.7	3768.7
0°	690.7	833.3	1009.8	1194.2	1347.4	1474.5	2252.5	2893.7	3156.6	3436.0	3778.4
-2.5°	689.0	831.5	1007.3	1191.4	1344.8	1472.2	2237.0	2879.7	3150.3	3428.7	3768.7
-5°	684.1	826.1	1000.0	1182.9	1337.2	1465.2	2190.4	2837.9	3131.6	3407.0	3739.6
-7.5°	675.8	817.2	987.8	1168.9	1324.4	1453.7	2113.2	2768.5	3100.6	3371.1	3691.5
-10°	664.2	804.7	970.8	1149.4	1306.7	1437.6	2005.8	2672.1	3057.6	3321.3	3625.0
-12.5°	649.4	788.7	949.0	1124.5	1284.0	1417.0	1869.0	2549.4	3002.9	3258.0	3540.6
-15°	631.4	769.4	922.6	1094.2	1256.5	1392.2	1703.4	2401.1	2936.9	3181.9	3439.4
-17.5°	610.3	746.6	891.6	1058.7	1224.3	1363.1	1510.2	2223.2	2811.8	3097.3	3343.1
-20°	586.1	720.6	856.2	1018.3	1186.3	1326.5	1444.4	1985.2	2599.6	3003.3	3235.1



REPORT NUMBER: P1305373 (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°	559.0	691.4	819.7	974.5	1136.9	1281.9	1404.4	1720.2	2363.8	2899.0	3118.3
-25°	529.2	658.2	784.3	926.6	1082.5	1232.9	1360.4	1467.2	2074.6	2629.3	2996.1
-27.5°	497.0	622.0	745.6	874.4	1023.2	1176.6	1305.5	1415.8	1736.5	2330.4	2823.3
-30°	462.1	582.8	703.9	821.0	961.6	1107.6	1243.7	1360.7	1458.2	1960.2	2482.9
-32.5°	424.7	540.9	658.2	772.3	896.3	1034.0	1174.7	1292.9	1395.6	1551.2	2096.3
-35°	388.1	497.0	609.4	720.6	828.3	958.4	1091.0	1218.5	1326.1	1416.9	1640.2
-37.5°	354.7	450.6	557.7	665.4	769.4	880.0	1003.5	1129.6	1243.1	1342.9	1424.0
-40°	319.6	401.8	504.3	606.6	707.6	804.7	915.7	1031.8	1149.0	1251.3	1342.9
-42.5°	282.6	361.2	448.7	545.2	642.0	735.7	826.1	933.7	1041.3	1149.0	1243.1
-45°	243.2	319.1	392.8	482.6	573.3	663.4	749.8	833.3	933.7	1031.8	1129.6
-47.5°	202.2	275.1	345.4	417.8	503.1	587.5	670.6	749.8	826.1	915.7	1003.5
-50°	162.1	228.8	296.4	361.3	431.4	510.0	587.5	663.4	735.7	804.7	880.0
-52.5°	127.4	181.0	244.8	306.9	366.6	431.4	503.1	573.3	642.0	707.6	769.4
-55°	91.8	140.0	191.6	250.2	306.9	361.3	417.8	482.6	545.2	606.6	665.4
-57.5°	66.8	100.1	144.2	191.6	244.8	296.4	345.4	392.8	448.7	504.3	557.7
-60°	47.8	68.9	100.1	140.0	181.0	228.8	275.1	319.1	361.2	401.8	450.6
-62.5°	31.0	47.8	66.8	91.8	127.4	162.1	202.2	243.2	282.6	319.6	354.7
-65°	25.2	30.4	43.6	60.5	76.9	106.7	137.2	166.6	201.2	235.4	268.0
-67.5°	19.4	24.0	28.5	35.3	50.1	64.4	78.3	104.4	129.7	154.0	178.8
-70°	15.9	18.0	21.6	25.5	29.4	35.7	48.0	59.9	71.2	85.6	106.0
-72.5°	12.9	14.7	16.5	18.2	21.4	24.6	27.8	30.8	37.8	47.2	56.3
-75°	10.4	11.5	12.9	14.4	15.9	17.2	18.8	21.4	23.8	26.2	28.5
-77.5°	8.2	9.1	10.0	10.9	11.8	13.0	14.1	15.1	16.2	17.2	18.1
-80°	6.3	6.8	7.5	8.2	8.9	9.5	10.1	10.7	11.3	12.0	12.7
-82.5°	5.0	5.3	5.7	6.0	6.3	6.6	6.9	7.4	7.8	8.2	8.6
-85°	3.6	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6
-87.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1
-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):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.8
85°	5.7	5.9	6.0	6.1	6.3	6.4	6.4	6.5	6.6	6.7	6.7
82.5°	9.0	9.3	9.7	10.0	10.2	10.5	10.7	10.9	11.1	11.3	11.4
80°	13.4	14.1	14.7	15.3	15.8	16.3	16.7	17.1	17.5	17.7	18.0
77.5°	19.6	21.2	22.8	24.2	25.5	26.7	27.8	28.8	29.6	30.4	31.0
75°	30.6	34.0	40.4	46.4	51.9	56.9	61.4	65.4	68.9	71.8	74.3
72.5°	64.8	72.8	82.1	95.9	108.6	120.2	130.7	140.0	148.1	154.9	160.6
70°	125.4	143.6	160.7	178.2	196.7	213.5	228.8	242.3	254.1	264.1	272.4
67.5°	206.5	232.6	257.0	279.8	300.4	319.1	335.9	350.9	364.0	375.1	384.3
65°	298.6	327.1	353.8	378.6	401.8	428.3	452.2	473.5	492.1	507.9	520.9
62.5°	388.1	424.7	462.1	497.0	529.2	559.0	586.1	610.3	631.4	649.4	664.2
60°	497.0	540.9	582.8	622.0	658.2	691.4	720.6	746.6	769.4	788.7	804.7
57.5°	609.4	658.2	703.9	745.6	784.3	819.7	856.2	891.6	922.6	949.0	970.8
55°	720.6	772.3	821.0	874.4	926.6	974.5	1018.3	1058.7	1094.2	1124.5	1149.4
52.5°	828.3	896.3	961.6	1023.2	1082.5	1136.9	1186.3	1224.3	1256.5	1284.0	1306.7
50°	958.4	1034.0	1107.6	1176.6	1232.9	1281.9	1326.5	1363.1	1392.2	1417.0	1437.6
47.5°	1091.0	1174.7	1243.7	1305.5	1360.4	1404.4	1444.4	1510.2	1703.4	1869.0	2005.8
45°	1218.5	1292.9	1360.7	1415.8	1467.2	1720.2	1985.2	2223.2	2401.1	2549.4	2672.1
42.5°	1326.1	1395.6	1458.2	1736.5	2074.6	2363.8	2599.6	2811.8	2936.9	3002.9	3057.6
40°	1416.9	1551.2	1960.2	2330.4	2629.3	2899.0	3003.3	3097.3	3181.9	3258.0	3321.3
37.5°	1640.2	2096.3	2482.9	2823.3	2996.1	3118.3	3235.1	3343.1	3439.4	3540.6	3625.0
35°	2142.0	2559.9	2913.3	3062.1	3205.4	3344.7	3481.4	3624.2	3751.2	3888.5	4010.5
32.5°	2559.9	2929.6	3095.6	3260.1	3419.4	3598.5	3767.8	3969.2	4152.1	4371.8	4609.1
30°	2913.3	3095.6	3278.5	3462.0	3670.2	3894.9	4136.7	4455.4	4808.9	5158.5	5563.9
27.5°	3062.1	3260.1	3462.0	3694.4	3961.2	4244.4	4707.6	5183.6	5783.1	6309.0	7573.5
25°	3205.4	3419.4	3670.2	3961.2	4306.2	4836.2	5496.3	6214.9	7896.8	9538.8	12281.8
22.5°	3344.7	3598.5	3894.9	4244.4	4836.2	5602.0	6667.1	8884.3	12221.6	16435.1	21041.6
20°	3481.4	3767.8	4136.7	4707.6	5496.3	6667.1	9219.2	13871.4	19415.9	26866.8	33744.9
17.5°	3624.2	3969.2	4455.4	5183.6	6214.9	8884.3	13871.4	20840.0	29886.9	40206.8	49884.0
15°	3751.2	4152.1	4808.9	5783.1	7896.8	12221.6	19415.9	29886.9	42423.2	55216.8	67560.1
12.5°	3888.5	4371.8	5158.5	6309.0	9538.8	16435.1	26866.8	40206.8	55216.8	70558.0	83840.5
10°	4010.5	4609.1	5563.9	7573.5	12281.8	21041.6	33744.9	49884.0	67560.1	83840.5	99685.7
7.5°	4107.1	4797.4	5886.4	8587.6	14907.1	25738.3	40836.7	58914.4	77624.6	95668.0	115928.1
5°	4176.9	4933.9	6121.0	9327.7	16831.3	29200.9	46105.5	65754.9	85163.1	106196.5	129370.6
2.5°	4219.2	5016.7	6263.5	9778.3	18006.8	31325.2	49356.7	70010.5	89909.5	113261.8	139237.1
0°	4233.4	5044.4	6311.3	9929.7	18402.3	32041.5	50456.4	71456.5	91533.2	115698.7	142787.9
-2.5°	4219.2	5016.7	6263.5	9778.3	18006.8	31325.2	49356.7	70010.5	89909.5	113261.8	139237.1
-5°	4176.9	4933.9	6121.0	9327.7	16831.3	29200.9	46105.5	65754.9	85163.1	106196.5	129370.6
-7.5°	4107.1	4797.4	5886.4	8587.6	14907.1	25738.3	40836.7	58914.4	77624.6	95668.0	115928.1
-10°	4010.5	4609.1	5563.9	7573.5	12281.8	21041.6	33744.9	49884.0	67560.1	83840.5	99685.7
-12.5°	3888.5	4371.8	5158.5	6309.0	9538.8	16435.1	26866.8	40206.8	55216.8	70558.0	83840.5
-15°	3751.2	4152.1	4808.9	5783.1	7896.8	12221.6	19415.9	29886.9	42423.2	55216.8	67560.1
-17.5°	3624.2	3969.2	4455.4	5183.6	6214.9	8884.3	13871.4	20840.0	29886.9	40206.8	49884.0
-20°	3481.4	3767.8	4136.7	4707.6	5496.3	6667.1	9219.2	13871.4	19415.9	26866.8	33744.9



REPORT NUMBER: P1305373 (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°	3344.7	3598.5	3894.9	4244.4	4836.2	5602.0	6667.1	8884.3	12221.6	16435.1	21041.6
-25°	3205.4	3419.4	3670.2	3961.2	4306.2	4836.2	5496.3	6214.9	7896.8	9538.8	12281.8
-27.5°	3062.1	3260.1	3462.0	3694.4	3961.2	4244.4	4707.6	5183.6	5783.1	6309.0	7573.5
-30°	2913.3	3095.6	3278.5	3462.0	3670.2	3894.9	4136.7	4455.4	4808.9	5158.5	5563.9
-32.5°	2559.9	2929.6	3095.6	3260.1	3419.4	3598.5	3767.8	3969.2	4152.1	4371.8	4609.1
-35°	2142.0	2559.9	2913.3	3062.1	3205.4	3344.7	3481.4	3624.2	3751.2	3888.5	4010.5
-37.5°	1640.2	2096.3	2482.9	2823.3	2996.1	3118.3	3235.1	3343.1	3439.4	3540.6	3625.0
-40°	1416.9	1551.2	1960.2	2330.4	2629.3	2899.0	3003.3	3097.3	3181.9	3258.0	3321.3
-42.5°	1326.1	1395.6	1458.2	1736.5	2074.6	2363.8	2599.6	2811.8	2936.9	3002.9	3057.6
-45°	1218.5	1292.9	1360.7	1415.8	1467.2	1720.2	1985.2	2223.2	2401.1	2549.4	2672.1
-47.5°	1091.0	1174.7	1243.7	1305.5	1360.4	1404.4	1444.4	1510.2	1703.4	1869.0	2005.8
-50°	958.4	1034.0	1107.6	1176.6	1232.9	1281.9	1326.5	1363.1	1392.2	1417.0	1437.6
-52.5°	828.3	896.3	961.6	1023.2	1082.5	1136.9	1186.3	1224.3	1256.5	1284.0	1306.7
-55°	720.6	772.3	821.0	874.4	926.6	974.5	1018.3	1058.7	1094.2	1124.5	1149.4
-57.5°	609.4	658.2	703.9	745.6	784.3	819.7	856.2	891.6	922.6	949.0	970.8
-60°	497.0	540.9	582.8	622.0	658.2	691.4	720.6	746.6	769.4	788.7	804.7
-62.5°	388.1	424.7	462.1	497.0	529.2	559.0	586.1	610.3	631.4	649.4	664.2
-65°	298.6	327.1	353.8	378.6	401.8	428.3	452.2	473.5	492.1	507.9	520.9
-67.5°	206.5	232.6	257.0	279.8	300.4	319.1	335.9	350.9	364.0	375.1	384.3
-70°	125.4	143.6	160.7	178.2	196.7	213.5	228.8	242.3	254.1	264.1	272.4
-72.5°	64.8	72.8	82.1	95.9	108.6	120.2	130.7	140.0	148.1	154.9	160.6
-75°	30.6	34.0	40.4	46.4	51.9	56.9	61.4	65.4	68.9	71.8	74.3
-77.5°	19.6	21.2	22.8	24.2	25.5	26.7	27.8	28.8	29.6	30.4	31.0
-80°	13.4	14.1	14.7	15.3	15.8	16.3	16.7	17.1	17.5	17.7	18.0
-82.5°	9.0	9.3	9.7	10.0	10.2	10.5	10.7	10.9	11.1	11.3	11.4
-85°	5.7	5.9	6.0	6.1	6.3	6.4	6.4	6.5	6.6	6.7	6.7
-87.5°	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305373 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-80-3S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.5
82.5°	11.5	11.5	11.6	11.6	11.6	11.5	11.5	11.4	11.3	11.1	10.9
80°	18.2	18.3	18.4	18.4	18.4	18.3	18.2	18.0	17.7	17.5	17.1
77.5°	31.4	31.7	31.9	32.0	31.9	31.7	31.4	31.0	30.4	29.6	28.8
75°	76.2	77.5	78.3	78.6	78.3	77.5	76.2	74.3	71.8	68.9	65.4
72.5°	165.0	168.2	170.1	170.7	170.1	168.2	165.0	160.6	154.9	148.1	140.0
70°	278.8	283.4	286.2	287.1	286.2	283.4	278.8	272.4	264.1	254.1	242.3
67.5°	391.4	396.5	399.6	400.6	399.6	396.5	391.4	384.3	375.1	364.0	350.9
65°	531.1	538.4	542.7	544.2	542.7	538.4	531.1	520.9	507.9	492.1	473.5
62.5°	675.8	684.1	689.0	690.7	689.0	684.1	675.8	664.2	649.4	631.4	610.3
60°	817.2	826.1	831.5	833.3	831.5	826.1	817.2	804.7	788.7	769.4	746.6
57.5°	987.8	1000.0	1007.3	1009.8	1007.3	1000.0	987.8	970.8	949.0	922.6	891.6
55°	1168.9	1182.9	1191.4	1194.2	1191.4	1182.9	1168.9	1149.4	1124.5	1094.2	1058.7
52.5°	1324.4	1337.2	1344.8	1347.4	1344.8	1337.2	1324.4	1306.7	1284.0	1256.5	1224.3
50°	1453.7	1465.2	1472.2	1474.5	1472.2	1465.2	1453.7	1437.6	1417.0	1392.2	1363.1
47.5°	2113.2	2190.4	2237.0	2252.5	2237.0	2190.4	2113.2	2005.8	1869.0	1703.4	1510.2
45°	2768.5	2837.9	2879.7	2893.7	2879.7	2837.9	2768.5	2672.1	2549.4	2401.1	2223.2
42.5°	3100.6	3131.6	3150.3	3156.6	3150.3	3131.6	3100.6	3057.6	3002.9	2936.9	2811.8
40°	3371.1	3407.0	3428.7	3436.0	3428.7	3407.0	3371.1	3321.3	3258.0	3181.9	3097.3
37.5°	3691.5	3739.6	3768.7	3778.4	3768.7	3739.6	3691.5	3625.0	3540.6	3439.4	3343.1
35°	4107.1	4176.9	4219.2	4233.4	4219.2	4176.9	4107.1	4010.5	3888.5	3751.2	3624.2
32.5°	4797.4	4933.9	5016.7	5044.4	5016.7	4933.9	4797.4	4609.1	4371.8	4152.1	3969.2
30°	5886.4	6121.0	6263.5	6311.3	6263.5	6121.0	5886.4	5563.9	5158.5	4808.9	4455.4
27.5°	8587.6	9327.7	9778.3	9929.7	9778.3	9327.7	8587.6	7573.5	6309.0	5783.1	5183.6
25°	14907.1	16831.3	18006.8	18402.3	18006.8	16831.3	14907.1	12281.8	9538.8	7896.8	6214.9
22.5°	25738.3	29200.9	31325.2	32041.5	31325.2	29200.9	25738.3	21041.6	16435.1	12221.6	8884.3
20°	40836.7	46105.5	49356.7	50456.4	49356.7	46105.5	40836.7	33744.9	26866.8	19415.9	13871.4
17.5°	58914.4	65754.9	70010.5	71456.5	70010.5	65754.9	58914.4	49884.0	40206.8	29886.9	20840.0
15°	77624.6	85163.1	89909.5	91533.2	89909.5	85163.1	77624.6	67560.1	55216.8	42423.2	29886.9
12.5°	95668.0	106196.5	113261.8	115698.7	113261.8	106196.5	95668.0	83840.5	70558.0	55216.8	40206.8
10°	115928.1	129370.6	139237.1	142787.9	139237.1	129370.6	115928.1	99685.7	83840.5	67560.1	49884.0
7.5°	135895.4	154042.4	164080.4	167060.7	164080.4	154042.4	135895.4	115928.1	95668.0	77624.6	58914.4
5°	154042.4	170262.4	179546.8	182758.8	179546.8	170262.4	154042.4	129370.6	106196.5	85163.1	65754.9
2.5°	164080.4	179546.8	192434.4	201179.6	192434.4	179546.8	164080.4	139237.1	113261.8	89909.5	70010.5
0°	167060.7	182758.8	201179.6	213450.9	201179.6	182758.8	167060.7	142787.9	115698.7	91533.2	71456.5
-2.5°	164080.4	179546.8	192434.4	201179.6	192434.4	179546.8	164080.4	139237.1	113261.8	89909.5	70010.5
-5°	154042.4	170262.4	179546.8	182758.8	179546.8	170262.4	154042.4	129370.6	106196.5	85163.1	65754.9
-7.5°	135895.4	154042.4	164080.4	167060.7	164080.4	154042.4	135895.4	115928.1	95668.0	77624.6	58914.4
-10°	115928.1	129370.6	139237.1	142787.9	139237.1	129370.6	115928.1	99685.7	83840.5	67560.1	49884.0
-12.5°	95668.0	106196.5	113261.8	115698.7	113261.8	106196.5	95668.0	83840.5	70558.0	55216.8	40206.8
-15°	77624.6	85163.1	89909.5	91533.2	89909.5	85163.1	77624.6	67560.1	55216.8	42423.2	29886.9
-17.5°	58914.4	65754.9	70010.5	71456.5	70010.5	65754.9	58914.4	49884.0	40206.8	29886.9	20840.0
-20°	40836.7	46105.5	49356.7	50456.4	49356.7	46105.5	40836.7	33744.9	26866.8	19415.9	13871.4



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	25738.3	29200.9	31325.2	32041.5	31325.2	29200.9	25738.3	21041.6	16435.1	12221.6	8884.3
-25°	14907.1	16831.3	18006.8	18402.3	18006.8	16831.3	14907.1	12281.8	9538.8	7896.8	6214.9
-27.5°	8587.6	9327.7	9778.3	9929.7	9778.3	9327.7	8587.6	7573.5	6309.0	5783.1	5183.6
-30°	5886.4	6121.0	6263.5	6311.3	6263.5	6121.0	5886.4	5563.9	5158.5	4808.9	4455.4
-32.5°	4797.4	4933.9	5016.7	5044.4	5016.7	4933.9	4797.4	4609.1	4371.8	4152.1	3969.2
-35°	4107.1	4176.9	4219.2	4233.4	4219.2	4176.9	4107.1	4010.5	3888.5	3751.2	3624.2
-37.5°	3691.5	3739.6	3768.7	3778.4	3768.7	3739.6	3691.5	3625.0	3540.6	3439.4	3343.1
-40°	3371.1	3407.0	3428.7	3436.0	3428.7	3407.0	3371.1	3321.3	3258.0	3181.9	3097.3
-42.5°	3100.6	3131.6	3150.3	3156.6	3150.3	3131.6	3100.6	3057.6	3002.9	2936.9	2811.8
-45°	2768.5	2837.9	2879.7	2893.7	2879.7	2837.9	2768.5	2672.1	2549.4	2401.1	2223.2
-47.5°	2113.2	2190.4	2237.0	2252.5	2237.0	2190.4	2113.2	2005.8	1869.0	1703.4	1510.2
-50°	1453.7	1465.2	1472.2	1474.5	1472.2	1465.2	1453.7	1437.6	1417.0	1392.2	1363.1
-52.5°	1324.4	1337.2	1344.8	1347.4	1344.8	1337.2	1324.4	1306.7	1284.0	1256.5	1224.3
-55°	1168.9	1182.9	1191.4	1194.2	1191.4	1182.9	1168.9	1149.4	1124.5	1094.2	1058.7
-57.5°	987.8	1000.0	1007.3	1009.8	1007.3	1000.0	987.8	970.8	949.0	922.6	891.6
-60°	817.2	826.1	831.5	833.3	831.5	826.1	817.2	804.7	788.7	769.4	746.6
-62.5°	675.8	684.1	689.0	690.7	689.0	684.1	675.8	664.2	649.4	631.4	610.3
-65°	531.1	538.4	542.7	544.2	542.7	538.4	531.1	520.9	507.9	492.1	473.5
-67.5°	391.4	396.5	399.6	400.6	399.6	396.5	391.4	384.3	375.1	364.0	350.9
-70°	278.8	283.4	286.2	287.1	286.2	283.4	278.8	272.4	264.1	254.1	242.3
-72.5°	165.0	168.2	170.1	170.7	170.1	168.2	165.0	160.6	154.9	148.1	140.0
-75°	76.2	77.5	78.3	78.6	78.3	77.5	76.2	74.3	71.8	68.9	65.4
-77.5°	31.4	31.7	31.9	32.0	31.9	31.7	31.4	31.0	30.4	29.6	28.8
-80°	18.2	18.3	18.4	18.4	18.4	18.3	18.2	18.0	17.7	17.5	17.1
-82.5°	11.5	11.5	11.6	11.6	11.6	11.5	11.5	11.4	11.3	11.1	10.9
-85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.5
-87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
85°	6.4	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.4	5.3	5.1
82.5°	10.7	10.5	10.2	10.0	9.7	9.3	9.0	8.6	8.2	7.8	7.4
80°	16.7	16.3	15.8	15.3	14.7	14.1	13.4	12.7	12.0	11.3	10.7
77.5°	27.8	26.7	25.5	24.2	22.8	21.2	19.6	18.1	17.2	16.2	15.1
75°	61.4	56.9	51.9	46.4	40.4	34.0	30.6	28.5	26.2	23.8	21.4
72.5°	130.7	120.2	108.6	95.9	82.1	72.8	64.8	56.3	47.2	37.8	30.8
70°	228.8	213.5	196.7	178.2	160.7	143.6	125.4	106.0	85.6	71.2	59.9
67.5°	335.9	319.1	300.4	279.8	257.0	232.6	206.5	178.8	154.0	129.7	104.4
65°	452.2	428.3	401.8	378.6	353.8	327.1	298.6	268.0	235.4	201.2	166.6
62.5°	586.1	559.0	529.2	497.0	462.1	424.7	388.1	354.7	319.6	282.6	243.2
60°	720.6	691.4	658.2	622.0	582.8	540.9	497.0	450.6	401.8	361.2	319.1
57.5°	856.2	819.7	784.3	745.6	703.9	658.2	609.4	557.7	504.3	448.7	392.8
55°	1018.3	974.5	926.6	874.4	821.0	772.3	720.6	665.4	606.6	545.2	482.6
52.5°	1186.3	1136.9	1082.5	1023.2	961.6	896.3	828.3	769.4	707.6	642.0	573.3
50°	1326.5	1281.9	1232.9	1176.6	1107.6	1034.0	958.4	880.0	804.7	735.7	663.4
47.5°	1444.4	1404.4	1360.4	1305.5	1243.7	1174.7	1091.0	1003.5	915.7	826.1	749.8
45°	1985.2	1720.2	1467.2	1415.8	1360.7	1292.9	1218.5	1129.6	1031.8	933.7	833.3
42.5°	2599.6	2363.8	2074.6	1736.5	1458.2	1395.6	1326.1	1243.1	1149.0	1041.3	933.7
40°	3003.3	2899.0	2629.3	2330.4	1960.2	1551.2	1416.9	1342.9	1251.3	1149.0	1031.8
37.5°	3235.1	3118.3	2996.1	2823.3	2482.9	2096.3	1640.2	1424.0	1342.9	1243.1	1129.6
35°	3481.4	3344.7	3205.4	3062.1	2913.3	2559.9	2142.0	1640.2	1416.9	1326.1	1218.5
32.5°	3767.8	3598.5	3419.4	3260.1	3095.6	2929.6	2559.9	2096.3	1551.2	1395.6	1292.9
30°	4136.7	3894.9	3670.2	3462.0	3278.5	3095.6	2913.3	2482.9	1960.2	1458.2	1360.7
27.5°	4707.6	4244.4	3961.2	3694.4	3462.0	3260.1	3062.1	2823.3	2330.4	1736.5	1415.8
25°	5496.3	4836.2	4306.2	3961.2	3670.2	3419.4	3205.4	2996.1	2629.3	2074.6	1467.2
22.5°	6667.1	5602.0	4836.2	4244.4	3894.9	3598.5	3344.7	3118.3	2899.0	2363.8	1720.2
20°	9219.2	6667.1	5496.3	4707.6	4136.7	3767.8	3481.4	3235.1	3003.3	2599.6	1985.2
17.5°	13871.4	8884.3	6214.9	5183.6	4455.4	3969.2	3624.2	3343.1	3097.3	2811.8	2223.2
15°	19415.9	12221.6	7896.8	5783.1	4808.9	4152.1	3751.2	3439.4	3181.9	2936.9	2401.1
12.5°	26866.8	16435.1	9538.8	6309.0	5158.5	4371.8	3888.5	3540.6	3258.0	3002.9	2549.4
10°	33744.9	21041.6	12281.8	7573.5	5563.9	4609.1	4010.5	3625.0	3321.3	3057.6	2672.1
7.5°	40836.7	25738.3	14907.1	8587.6	5886.4	4797.4	4107.1	3691.5	3371.1	3100.6	2768.5
5°	46105.5	29200.9	16831.3	9327.7	6121.0	4933.9	4176.9	3739.6	3407.0	3131.6	2837.9
2.5°	49356.7	31325.2	18006.8	9778.3	6263.5	5016.7	4219.2	3768.7	3428.7	3150.3	2879.7
0°	50456.4	32041.5	18402.3	9929.7	6311.3	5044.4	4233.4	3778.4	3436.0	3156.6	2893.7
-2.5°	49356.7	31325.2	18006.8	9778.3	6263.5	5016.7	4219.2	3768.7	3428.7	3150.3	2879.7
-5°	46105.5	29200.9	16831.3	9327.7	6121.0	4933.9	4176.9	3739.6	3407.0	3131.6	2837.9
-7.5°	40836.7	25738.3	14907.1	8587.6	5886.4	4797.4	4107.1	3691.5	3371.1	3100.6	2768.5
-10°	33744.9	21041.6	12281.8	7573.5	5563.9	4609.1	4010.5	3625.0	3321.3	3057.6	2672.1
-12.5°	26866.8	16435.1	9538.8	6309.0	5158.5	4371.8	3888.5	3540.6	3258.0	3002.9	2549.4
-15°	19415.9	12221.6	7896.8	5783.1	4808.9	4152.1	3751.2	3439.4	3181.9	2936.9	2401.1
-17.5°	13871.4	8884.3	6214.9	5183.6	4455.4	3969.2	3624.2	3343.1	3097.3	2811.8	2223.2
-20°	9219.2	6667.1	5496.3	4707.6	4136.7	3767.8	3481.4	3235.1	3003.3	2599.6	1985.2



REPORT NUMBER: P1305373 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-80-3S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6667.1	5602.0	4836.2	4244.4	3894.9	3598.5	3344.7	3118.3	2899.0	2363.8	1720.2
-25°	5496.3	4836.2	4306.2	3961.2	3670.2	3419.4	3205.4	2996.1	2629.3	2074.6	1467.2
-27.5°	4707.6	4244.4	3961.2	3694.4	3462.0	3260.1	3062.1	2823.3	2330.4	1736.5	1415.8
-30°	4136.7	3894.9	3670.2	3462.0	3278.5	3095.6	2913.3	2482.9	1960.2	1458.2	1360.7
-32.5°	3767.8	3598.5	3419.4	3260.1	3095.6	2929.6	2559.9	2096.3	1551.2	1395.6	1292.9
-35°	3481.4	3344.7	3205.4	3062.1	2913.3	2559.9	2142.0	1640.2	1416.9	1326.1	1218.5
-37.5°	3235.1	3118.3	2996.1	2823.3	2482.9	2096.3	1640.2	1424.0	1342.9	1243.1	1129.6
-40°	3003.3	2899.0	2629.3	2330.4	1960.2	1551.2	1416.9	1342.9	1251.3	1149.0	1031.8
-42.5°	2599.6	2363.8	2074.6	1736.5	1458.2	1395.6	1326.1	1243.1	1149.0	1041.3	933.7
-45°	1985.2	1720.2	1467.2	1415.8	1360.7	1292.9	1218.5	1129.6	1031.8	933.7	833.3
-47.5°	1444.4	1404.4	1360.4	1305.5	1243.7	1174.7	1091.0	1003.5	915.7	826.1	749.8
-50°	1326.5	1281.9	1232.9	1176.6	1107.6	1034.0	958.4	880.0	804.7	735.7	663.4
-52.5°	1186.3	1136.9	1082.5	1023.2	961.6	896.3	828.3	769.4	707.6	642.0	573.3
-55°	1018.3	974.5	926.6	874.4	821.0	772.3	720.6	665.4	606.6	545.2	482.6
-57.5°	856.2	819.7	784.3	745.6	703.9	658.2	609.4	557.7	504.3	448.7	392.8
-60°	720.6	691.4	658.2	622.0	582.8	540.9	497.0	450.6	401.8	361.2	319.1
-62.5°	586.1	559.0	529.2	497.0	462.1	424.7	388.1	354.7	319.6	282.6	243.2
-65°	452.2	428.3	401.8	378.6	353.8	327.1	298.6	268.0	235.4	201.2	166.6
-67.5°	335.9	319.1	300.4	279.8	257.0	232.6	206.5	178.8	154.0	129.7	104.4
-70°	228.8	213.5	196.7	178.2	160.7	143.6	125.4	106.0	85.6	71.2	59.9
-72.5°	130.7	120.2	108.6	95.9	82.1	72.8	64.8	56.3	47.2	37.8	30.8
-75°	61.4	56.9	51.9	46.4	40.4	34.0	30.6	28.5	26.2	23.8	21.4
-77.5°	27.8	26.7	25.5	24.2	22.8	21.2	19.6	18.1	17.2	16.2	15.1
-80°	16.7	16.3	15.8	15.3	14.7	14.1	13.4	12.7	12.0	11.3	10.7
-82.5°	10.7	10.5	10.2	10.0	9.7	9.3	9.0	8.6	8.2	7.8	7.4
-85°	6.4	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.4	5.3	5.1
-87.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305373 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-80-3S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
85°	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.3	3.0	2.7	2.3
82.5°	6.9	6.6	6.3	6.0	5.7	5.3	5.0	4.7	4.3	4.0	3.5
80°	10.1	9.5	8.9	8.2	7.5	6.8	6.3	5.9	5.4	4.9	4.5
77.5°	14.1	13.0	11.8	10.9	10.0	9.1	8.2	7.3	6.5	5.9	5.3
75°	18.8	17.2	15.9	14.4	12.9	11.5	10.4	9.3	8.1	7.0	6.2
72.5°	27.8	24.6	21.4	18.2	16.5	14.7	12.9	11.2	9.9	8.5	7.2
70°	48.0	35.7	29.4	25.5	21.6	18.0	15.9	13.8	11.7	10.1	8.5
67.5°	78.3	64.4	50.1	35.3	28.5	24.0	19.4	16.5	14.1	11.7	9.9
65°	137.2	106.7	76.9	60.5	43.6	30.4	25.2	20.0	16.5	13.8	11.2
62.5°	202.2	162.1	127.4	91.8	66.8	47.8	31.0	25.2	19.4	15.9	12.9
60°	275.1	228.8	181.0	140.0	100.1	68.9	47.8	30.4	24.0	18.0	14.7
57.5°	345.4	296.4	244.8	191.6	144.2	100.1	66.8	43.6	28.5	21.6	16.5
55°	417.8	361.3	306.9	250.2	191.6	140.0	91.8	60.5	35.3	25.5	18.2
52.5°	503.1	431.4	366.6	306.9	244.8	181.0	127.4	76.9	50.1	29.4	21.4
50°	587.5	510.0	431.4	361.3	296.4	228.8	162.1	106.7	64.4	35.7	24.6
47.5°	670.6	587.5	503.1	417.8	345.4	275.1	202.2	137.2	78.3	48.0	27.8
45°	749.8	663.4	573.3	482.6	392.8	319.1	243.2	166.6	104.4	59.9	30.8
42.5°	826.1	735.7	642.0	545.2	448.7	361.2	282.6	201.2	129.7	71.2	37.8
40°	915.7	804.7	707.6	606.6	504.3	401.8	319.6	235.4	154.0	85.6	47.2
37.5°	1003.5	880.0	769.4	665.4	557.7	450.6	354.7	268.0	178.8	106.0	56.3
35°	1091.0	958.4	828.3	720.6	609.4	497.0	388.1	298.6	206.5	125.4	64.8
32.5°	1174.7	1034.0	896.3	772.3	658.2	540.9	424.7	327.1	232.6	143.6	72.8
30°	1243.7	1107.6	961.6	821.0	703.9	582.8	462.1	353.8	257.0	160.7	82.1
27.5°	1305.5	1176.6	1023.2	874.4	745.6	622.0	497.0	378.6	279.8	178.2	95.9
25°	1360.4	1232.9	1082.5	926.6	784.3	658.2	529.2	401.8	300.4	196.7	108.6
22.5°	1404.4	1281.9	1136.9	974.5	819.7	691.4	559.0	428.3	319.1	213.5	120.2
20°	1444.4	1326.5	1186.3	1018.3	856.2	720.6	586.1	452.2	335.9	228.8	130.7
17.5°	1510.2	1363.1	1224.3	1058.7	891.6	746.6	610.3	473.5	350.9	242.3	140.0
15°	1703.4	1392.2	1256.5	1094.2	922.6	769.4	631.4	492.1	364.0	254.1	148.1
12.5°	1869.0	1417.0	1284.0	1124.5	949.0	788.7	649.4	507.9	375.1	264.1	154.9
10°	2005.8	1437.6	1306.7	1149.4	970.8	804.7	664.2	520.9	384.3	272.4	160.6
7.5°	2113.2	1453.7	1324.4	1168.9	987.8	817.2	675.8	531.1	391.4	278.8	165.0
5°	2190.4	1465.2	1337.2	1182.9	1000.0	826.1	684.1	538.4	396.5	283.4	168.2
2.5°	2237.0	1472.2	1344.8	1191.4	1007.3	831.5	689.0	542.7	399.6	286.2	170.1
0°	2252.5	1474.5	1347.4	1194.2	1009.8	833.3	690.7	544.2	400.6	287.1	170.7
-2.5°	2237.0	1472.2	1344.8	1191.4	1007.3	831.5	689.0	542.7	399.6	286.2	170.1
-5°	2190.4	1465.2	1337.2	1182.9	1000.0	826.1	684.1	538.4	396.5	283.4	168.2
-7.5°	2113.2	1453.7	1324.4	1168.9	987.8	817.2	675.8	531.1	391.4	278.8	165.0
-10°	2005.8	1437.6	1306.7	1149.4	970.8	804.7	664.2	520.9	384.3	272.4	160.6
-12.5°	1869.0	1417.0	1284.0	1124.5	949.0	788.7	649.4	507.9	375.1	264.1	154.9
-15°	1703.4	1392.2	1256.5	1094.2	922.6	769.4	631.4	492.1	364.0	254.1	148.1
-17.5°	1510.2	1363.1	1224.3	1058.7	891.6	746.6	610.3	473.5	350.9	242.3	140.0
-20°	1444.4	1326.5	1186.3	1018.3	856.2	720.6	586.1	452.2	335.9	228.8	130.7



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1404.4	1281.9	1136.9	974.5	819.7	691.4	559.0	428.3	319.1	213.5	120.2
-25°	1360.4	1232.9	1082.5	926.6	784.3	658.2	529.2	401.8	300.4	196.7	108.6
-27.5°	1305.5	1176.6	1023.2	874.4	745.6	622.0	497.0	378.6	279.8	178.2	95.9
-30°	1243.7	1107.6	961.6	821.0	703.9	582.8	462.1	353.8	257.0	160.7	82.1
-32.5°	1174.7	1034.0	896.3	772.3	658.2	540.9	424.7	327.1	232.6	143.6	72.8
-35°	1091.0	958.4	828.3	720.6	609.4	497.0	388.1	298.6	206.5	125.4	64.8
-37.5°	1003.5	880.0	769.4	665.4	557.7	450.6	354.7	268.0	178.8	106.0	56.3
-40°	915.7	804.7	707.6	606.6	504.3	401.8	319.6	235.4	154.0	85.6	47.2
-42.5°	826.1	735.7	642.0	545.2	448.7	361.2	282.6	201.2	129.7	71.2	37.8
-45°	749.8	663.4	573.3	482.6	392.8	319.1	243.2	166.6	104.4	59.9	30.8
-47.5°	670.6	587.5	503.1	417.8	345.4	275.1	202.2	137.2	78.3	48.0	27.8
-50°	587.5	510.0	431.4	361.3	296.4	228.8	162.1	106.7	64.4	35.7	24.6
-52.5°	503.1	431.4	366.6	306.9	244.8	181.0	127.4	76.9	50.1	29.4	21.4
-55°	417.8	361.3	306.9	250.2	191.6	140.0	91.8	60.5	35.3	25.5	18.2
-57.5°	345.4	296.4	244.8	191.6	144.2	100.1	66.8	43.6	28.5	21.6	16.5
-60°	275.1	228.8	181.0	140.0	100.1	68.9	47.8	30.4	24.0	18.0	14.7
-62.5°	202.2	162.1	127.4	91.8	66.8	47.8	31.0	25.2	19.4	15.9	12.9
-65°	137.2	106.7	76.9	60.5	43.6	30.4	25.2	20.0	16.5	13.8	11.2
-67.5°	78.3	64.4	50.1	35.3	28.5	24.0	19.4	16.5	14.1	11.7	9.9
-70°	48.0	35.7	29.4	25.5	21.6	18.0	15.9	13.8	11.7	10.1	8.5
-72.5°	27.8	24.6	21.4	18.2	16.5	14.7	12.9	11.2	9.9	8.5	7.2
-75°	18.8	17.2	15.9	14.4	12.9	11.5	10.4	9.3	8.1	7.0	6.2
-77.5°	14.1	13.0	11.8	10.9	10.0	9.1	8.2	7.3	6.5	5.9	5.3
-80°	10.1	9.5	8.9	8.2	7.5	6.8	6.3	5.9	5.4	4.9	4.5
-82.5°	6.9	6.6	6.3	6.0	5.7	5.3	5.0	4.7	4.3	4.0	3.5
-85°	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.3	3.0	2.7	2.3
-87.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
-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):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
82.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
80°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
77.5°	4.7	4.1	3.4	2.5	1.7	0.8	0.0
75°	5.5	4.7	4.0	3.0	2.0	1.0	0.0
72.5°	6.2	5.3	4.5	3.5	2.3	1.2	0.0
70°	7.0	5.9	4.9	4.0	2.7	1.3	0.0
67.5°	8.1	6.5	5.4	4.3	3.0	1.5	0.0
65°	9.3	7.3	5.9	4.7	3.3	1.6	0.0
62.5°	10.4	8.2	6.3	5.0	3.6	1.8	0.0
60°	11.5	9.1	6.8	5.3	3.9	1.9	0.0
57.5°	12.9	10.0	7.5	5.7	4.1	2.1	0.0
55°	14.4	10.9	8.2	6.0	4.3	2.2	0.0
52.5°	15.9	11.8	8.9	6.3	4.5	2.4	0.0
50°	17.2	13.0	9.5	6.6	4.7	2.5	0.0
47.5°	18.8	14.1	10.1	6.9	4.9	2.6	0.0
45°	21.4	15.1	10.7	7.4	5.1	2.8	0.0
42.5°	23.8	16.2	11.3	7.8	5.3	2.9	0.0
40°	26.2	17.2	12.0	8.2	5.4	3.0	0.0
37.5°	28.5	18.1	12.7	8.6	5.6	3.1	0.0
35°	30.6	19.6	13.4	9.0	5.7	3.2	0.0
32.5°	34.0	21.2	14.1	9.3	5.9	3.3	0.0
30°	40.4	22.8	14.7	9.7	6.0	3.4	0.0
27.5°	46.4	24.2	15.3	10.0	6.1	3.5	0.0
25°	51.9	25.5	15.8	10.2	6.3	3.5	0.0
22.5°	56.9	26.7	16.3	10.5	6.4	3.6	0.0
20°	61.4	27.8	16.7	10.7	6.4	3.7	0.0
17.5°	65.4	28.8	17.1	10.9	6.5	3.7	0.0
15°	68.9	29.6	17.5	11.1	6.6	3.8	0.0
12.5°	71.8	30.4	17.7	11.3	6.7	3.8	0.0
10°	74.3	31.0	18.0	11.4	6.7	3.8	0.0
7.5°	76.2	31.4	18.2	11.5	6.8	3.9	0.0
5°	77.5	31.7	18.3	11.5	6.8	3.9	0.0
2.5°	78.3	31.9	18.4	11.6	6.8	3.9	0.0
0°	78.6	32.0	18.4	11.6	6.8	3.9	0.0
-2.5°	78.3	31.9	18.4	11.6	6.8	3.9	0.0
-5°	77.5	31.7	18.3	11.5	6.8	3.9	0.0
-7.5°	76.2	31.4	18.2	11.5	6.8	3.9	0.0
-10°	74.3	31.0	18.0	11.4	6.7	3.8	0.0
-12.5°	71.8	30.4	17.7	11.3	6.7	3.8	0.0
-15°	68.9	29.6	17.5	11.1	6.6	3.8	0.0
-17.5°	65.4	28.8	17.1	10.9	6.5	3.7	0.0
-20°	61.4	27.8	16.7	10.7	6.4	3.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	56.9	26.7	16.3	10.5	6.4	3.6	0.0
-25°	51.9	25.5	15.8	10.2	6.3	3.5	0.0
-27.5°	46.4	24.2	15.3	10.0	6.1	3.5	0.0
-30°	40.4	22.8	14.7	9.7	6.0	3.4	0.0
-32.5°	34.0	21.2	14.1	9.3	5.9	3.3	0.0
-35°	30.6	19.6	13.4	9.0	5.7	3.2	0.0
-37.5°	28.5	18.1	12.7	8.6	5.6	3.1	0.0
-40°	26.2	17.2	12.0	8.2	5.4	3.0	0.0
-42.5°	23.8	16.2	11.3	7.8	5.3	2.9	0.0
-45°	21.4	15.1	10.7	7.4	5.1	2.8	0.0
-47.5°	18.8	14.1	10.1	6.9	4.9	2.6	0.0
-50°	17.2	13.0	9.5	6.6	4.7	2.5	0.0
-52.5°	15.9	11.8	8.9	6.3	4.5	2.4	0.0
-55°	14.4	10.9	8.2	6.0	4.3	2.2	0.0
-57.5°	12.9	10.0	7.5	5.7	4.1	2.1	0.0
-60°	11.5	9.1	6.8	5.3	3.9	1.9	0.0
-62.5°	10.4	8.2	6.3	5.0	3.6	1.8	0.0
-65°	9.3	7.3	5.9	4.7	3.3	1.6	0.0
-67.5°	8.1	6.5	5.4	4.3	3.0	1.5	0.0
-70°	7.0	5.9	4.9	4.0	2.7	1.3	0.0
-72.5°	6.2	5.3	4.5	3.5	2.3	1.2	0.0
-75°	5.5	4.7	4.0	3.0	2.0	1.0	0.0
-77.5°	4.7	4.1	3.4	2.5	1.7	0.8	0.0
-80°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
-82.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-85°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
-87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)