

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: P1305443 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-57-80-1S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

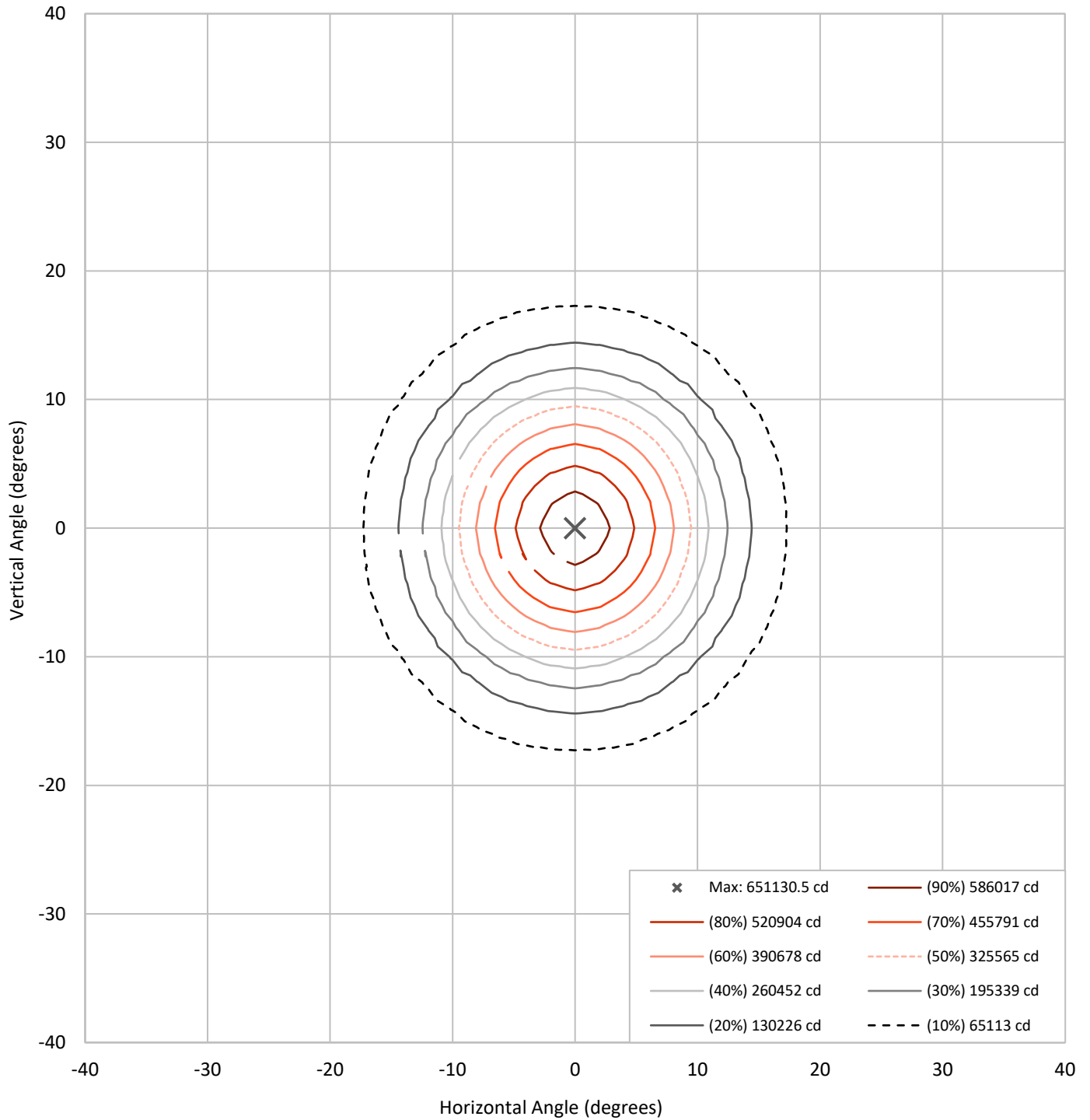
Test Method: LM-79-08  
Report Number: P1305443 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680R-57-80-1S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	88205.8 lumens	Max Intensity:	651130.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	122.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	38017.8 lumens	Field Lumens:	70037.1 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%
Input Watts (W):	718		
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





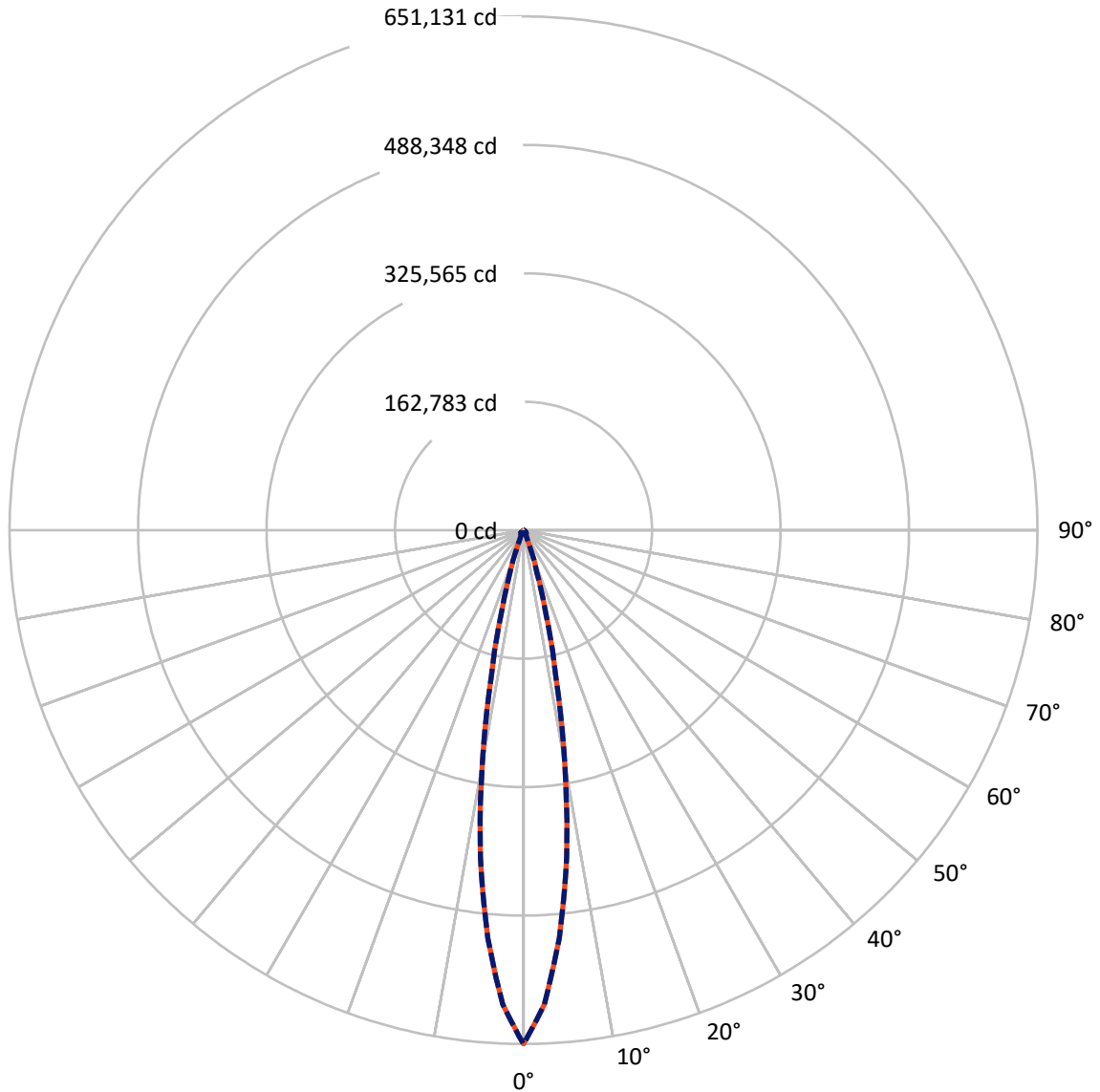
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### Lumen Table

90	0.1	0.8		3.1		7.6		10.1		7.6		3.1		0.8		0.1
80	0.1	0.8		3.1		7.6		10.1		7.6		3.1		0.8		0.1
70	0.4	0.5	1.8	5.5	11.1	17.2	22.3	25.1	25.1	22.3	17.2	11.1	5.5	1.8	0.5	0.4
60		1.4	6.5	16.0	27.5	37.2	43.5	46.9	46.9	43.5	37.2	27.5	16.0	6.5	1.4	
50	1.0	3.4	13.1	27.2	39.8	67.4	106.1	127.5	127.5	106.1	67.4	39.8	27.2	13.1	3.4	1.0
40		5.9	19.4	34.4	81.4	139.3	153.8	154.1	154.1	153.8	139.3	81.4	34.4	19.4	5.9	
30	2.2	8.3	23.7	53.2	126.0	139.5	153.3	265.8	265.8	153.3	139.5	126.0	53.2	23.7	8.3	2.2
20		10.1	26.0	78.8	130.4	144.0	842.3	3145.3	3145.3	842.3	144.0	130.4	78.8	26.0	10.1	
10	2.8	11.0	27.2	91.5	126.5	244.5	3069.1	112078.1	112078.1	3069.1	244.5	126.5	91.5	27.2	11.0	2.8
0		11.0	27.2	91.5	126.5	244.5	3069.1	112078.1	112078.1	3069.1	244.5	126.5	91.5	27.2	11.0	
-10	2.2	10.1	26.0	78.8	130.4	144.0	842.3	3145.3	3145.3	842.3	144.0	130.4	78.8	26.0	10.1	2.2
-20		8.3	23.7	53.2	126.0	139.5	153.3	265.8	265.8	153.3	139.5	126.0	53.2	23.7	8.3	
-30	1.0	5.9	19.4	34.4	81.4	139.3	153.8	154.1	154.1	153.8	139.3	81.4	34.4	19.4	5.9	1.0
-40		3.4	13.1	27.2	39.8	67.4	106.1	127.5	127.5	106.1	67.4	39.8	27.2	13.1	3.4	
-50	0.4	1.4	6.5	16.0	27.5	37.2	43.5	46.9	46.9	43.5	37.2	27.5	16.0	6.5	1.4	0.4
-60		0.5	1.8	5.5	11.1	17.2	22.3	25.1	25.1	22.3	17.2	11.1	5.5	1.8	0.5	
-70	0.1	0.8		3.1		7.6		10.1		7.6		3.1		0.8		0.1
-80		0.8		3.1		7.6		10.1		7.6		3.1		0.8		
-90	0.1	0.8		3.1		7.6		10.1		7.6		3.1		0.8		0.1

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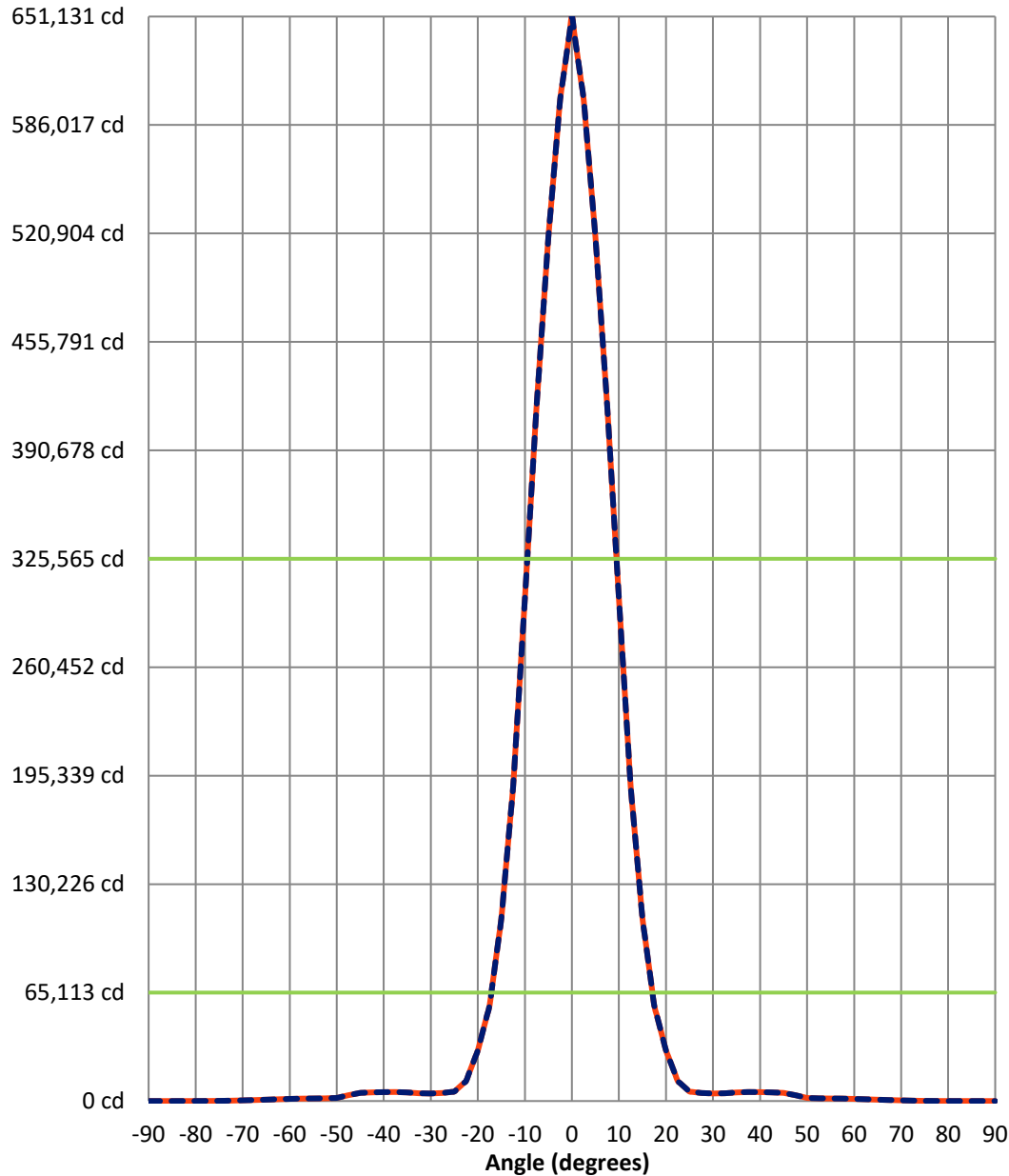
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 19°  
 V Angle: 19°  
 Lumens: 38017.8  
 Efficiency: 43.1%

**Field:**  
 H Angle: 34.3°  
 V Angle: 34.3°  
 Lumens: 70037.1  
 Efficiency: 79.4%

**Spill:**  
 Lumens: 18168.6  
 Efficiency: 20.6%

— 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	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.9	7.4
80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	7.1	7.9	8.7	9.4
77.5°	0.0	1.3	2.7	4.0	5.3	6.5	7.5	8.5	9.5	10.4	11.8
75°	0.0	1.6	3.2	4.8	6.3	7.5	8.7	9.9	11.2	13.5	15.7
72.5°	0.0	1.9	3.7	5.6	7.1	8.5	9.9	11.6	14.3	16.9	19.6
70°	0.0	2.1	4.2	6.3	7.9	9.5	11.2	14.3	17.4	20.4	23.8
67.5°	0.0	2.4	4.7	6.9	8.7	10.4	13.5	16.9	20.4	24.3	28.2
65°	0.0	2.6	5.2	7.4	9.4	11.8	15.7	19.6	23.8	28.2	33.4
62.5°	0.0	2.9	5.7	8.0	10.1	13.7	17.9	22.4	27.2	32.5	40.6
60°	0.0	3.1	6.2	8.5	10.9	15.5	20.1	25.3	30.5	38.9	47.6
57.5°	0.0	3.3	6.5	9.1	12.2	17.2	22.5	28.1	35.6	45.2	65.5
55°	0.0	3.6	6.9	9.6	13.6	18.9	24.8	30.9	41.0	54.4	88.1
52.5°	0.0	3.8	7.2	10.1	14.9	20.6	27.1	35.3	46.3	74.2	110.0
50°	0.0	4.0	7.5	10.5	16.2	22.5	29.4	39.8	54.9	93.3	151.3
47.5°	0.0	4.2	7.8	11.1	17.4	24.3	31.7	44.1	71.4	111.9	193.6
45°	0.0	4.4	8.1	12.0	18.6	26.0	35.3	48.2	87.2	148.1	234.4
42.5°	0.0	4.6	8.4	12.9	19.8	27.6	38.7	57.6	102.5	183.3	285.4
40°	0.0	4.7	8.7	13.7	20.9	29.2	41.9	70.3	122.0	216.9	336.3
37.5°	0.0	4.9	9.0	14.4	22.1	30.7	45.0	82.4	150.3	252.2	384.8
35°	0.0	5.1	9.2	15.2	23.3	32.8	48.0	93.8	177.2	293.3	432.6
32.5°	0.0	5.2	9.4	15.9	24.3	35.1	52.6	104.6	202.6	332.1	480.2
30°	0.0	5.4	9.6	16.5	25.3	37.2	61.2	117.2	226.3	368.5	525.0
27.5°	0.0	5.5	9.8	17.1	26.2	39.2	69.2	136.3	251.2	402.3	566.6
25°	0.0	5.6	10.0	17.6	27.1	41.0	76.5	154.0	278.7	435.5	605.3
22.5°	0.0	5.7	10.2	18.1	27.9	42.7	83.2	170.1	303.8	466.8	647.6
20°	0.0	5.8	10.3	18.6	28.5	44.2	89.2	184.6	326.5	495.1	685.8
17.5°	0.0	5.9	10.5	19.0	29.2	45.5	94.6	197.5	346.6	520.2	719.8
15°	0.0	6.0	10.6	19.3	29.7	46.7	99.3	208.7	364.1	542.1	749.4
12.5°	0.0	6.1	10.7	19.6	30.2	47.6	103.2	218.2	379.0	560.7	774.7
10°	0.0	6.1	10.8	19.9	30.5	48.5	106.5	226.1	391.3	576.0	795.4
7.5°	0.0	6.1	10.8	20.1	30.8	49.1	109.0	232.2	400.9	588.0	811.7
5°	0.0	6.2	10.9	20.2	31.0	49.5	110.8	236.6	407.7	596.5	823.3
2.5°	0.0	6.2	10.9	20.3	31.2	49.8	111.9	239.2	411.8	601.7	830.3
0°	0.0	6.2	10.9	20.3	31.2	49.9	112.3	240.1	413.2	603.4	832.6
-2.5°	0.0	6.2	10.9	20.3	31.2	49.8	111.9	239.2	411.8	601.7	830.3
-5°	0.0	6.2	10.9	20.2	31.0	49.5	110.8	236.6	407.7	596.5	823.3
-7.5°	0.0	6.1	10.8	20.1	30.8	49.1	109.0	232.2	400.9	588.0	811.7
-10°	0.0	6.1	10.8	19.9	30.5	48.5	106.5	226.1	391.3	576.0	795.4
-12.5°	0.0	6.1	10.7	19.6	30.2	47.6	103.2	218.2	379.0	560.7	774.7
-15°	0.0	6.0	10.6	19.3	29.7	46.7	99.3	208.7	364.1	542.1	749.4
-17.5°	0.0	5.9	10.5	19.0	29.2	45.5	94.6	197.5	346.6	520.2	719.8
-20°	0.0	5.8	10.3	18.6	28.5	44.2	89.2	184.6	326.5	495.1	685.8



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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	5.7	10.2	18.1	27.9	42.7	83.2	170.1	303.8	466.8	647.6
-25°	0.0	5.6	10.0	17.6	27.1	41.0	76.5	154.0	278.7	435.5	605.3
-27.5°	0.0	5.5	9.8	17.1	26.2	39.2	69.2	136.3	251.2	402.3	566.6
-30°	0.0	5.4	9.6	16.5	25.3	37.2	61.2	117.2	226.3	368.5	525.0
-32.5°	0.0	5.2	9.4	15.9	24.3	35.1	52.6	104.6	202.6	332.1	480.2
-35°	0.0	5.1	9.2	15.2	23.3	32.8	48.0	93.8	177.2	293.3	432.6
-37.5°	0.0	4.9	9.0	14.4	22.1	30.7	45.0	82.4	150.3	252.2	384.8
-40°	0.0	4.7	8.7	13.7	20.9	29.2	41.9	70.3	122.0	216.9	336.3
-42.5°	0.0	4.6	8.4	12.9	19.8	27.6	38.7	57.6	102.5	183.3	285.4
-45°	0.0	4.4	8.1	12.0	18.6	26.0	35.3	48.2	87.2	148.1	234.4
-47.5°	0.0	4.2	7.8	11.1	17.4	24.3	31.7	44.1	71.4	111.9	193.6
-50°	0.0	4.0	7.5	10.5	16.2	22.5	29.4	39.8	54.9	93.3	151.3
-52.5°	0.0	3.8	7.2	10.1	14.9	20.6	27.1	35.3	46.3	74.2	110.0
-55°	0.0	3.6	6.9	9.6	13.6	18.9	24.8	30.9	41.0	54.4	88.1
-57.5°	0.0	3.3	6.5	9.1	12.2	17.2	22.5	28.1	35.6	45.2	65.5
-60°	0.0	3.1	6.2	8.5	10.9	15.5	20.1	25.3	30.5	38.9	47.6
-62.5°	0.0	2.9	5.7	8.0	10.1	13.7	17.9	22.4	27.2	32.5	40.6
-65°	0.0	2.6	5.2	7.4	9.4	11.8	15.7	19.6	23.8	28.2	33.4
-67.5°	0.0	2.4	4.7	6.9	8.7	10.4	13.5	16.9	20.4	24.3	28.2
-70°	0.0	2.1	4.2	6.3	7.9	9.5	11.2	14.3	17.4	20.4	23.8
-72.5°	0.0	1.9	3.7	5.6	7.1	8.5	9.9	11.6	14.3	16.9	19.6
-75°	0.0	1.6	3.2	4.8	6.3	7.5	8.7	9.9	11.2	13.5	15.7
-77.5°	0.0	1.3	2.7	4.0	5.3	6.5	7.5	8.5	9.5	10.4	11.8
-80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	7.1	7.9	8.7	9.4
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.9	7.4
-85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-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°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
85°	5.7	6.2	6.5	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0
82.5°	8.0	8.5	9.1	9.6	10.1	10.5	11.1	12.0	12.9	13.7	14.4
80°	10.1	10.9	12.2	13.6	14.9	16.2	17.4	18.6	19.8	20.9	22.1
77.5°	13.7	15.5	17.2	18.9	20.6	22.5	24.3	26.0	27.6	29.2	30.7
75°	17.9	20.1	22.5	24.8	27.1	29.4	31.7	35.3	38.7	41.9	45.0
72.5°	22.4	25.3	28.1	30.9	35.3	39.8	44.1	48.2	57.6	70.3	82.4
70°	27.2	30.5	35.6	41.0	46.3	54.9	71.4	87.2	102.5	122.0	150.3
67.5°	32.5	38.9	45.2	54.4	74.2	93.3	111.9	148.1	183.3	216.9	252.2
65°	40.6	47.6	65.5	88.1	110.0	151.3	193.6	234.4	285.4	336.3	384.8
62.5°	48.5	71.1	96.4	130.6	180.1	228.1	287.0	347.9	406.5	467.6	526.5
60°	71.1	99.3	142.2	197.5	255.4	326.5	395.4	466.8	537.3	605.3	683.2
57.5°	96.4	142.2	203.3	271.2	350.3	428.7	510.9	590.4	680.1	768.9	854.5
55°	130.6	197.5	271.2	358.3	446.4	537.6	630.8	734.3	834.2	933.5	1028.7
52.5°	180.1	255.4	350.3	446.4	546.5	652.5	767.0	879.7	990.8	1095.7	1190.9
50°	228.1	326.5	428.7	537.6	652.5	778.0	902.6	1025.4	1139.0	1245.4	1340.2
47.5°	287.0	395.4	510.9	630.8	767.0	902.6	1037.0	1160.7	1278.4	1379.0	1474.4
45°	347.9	466.8	590.4	734.3	879.7	1025.4	1160.7	1289.5	1398.6	1488.7	1521.8
42.5°	406.5	537.3	680.1	834.2	990.8	1139.0	1278.4	1398.6	1492.0	1528.4	1570.6
40°	467.6	605.3	768.9	933.5	1095.7	1245.4	1379.0	1488.7	1528.4	1575.1	1625.4
37.5°	526.5	683.2	854.5	1028.7	1190.9	1340.2	1474.4	1521.8	1570.6	1625.4	1776.3
35°	582.5	757.3	938.0	1115.7	1281.8	1425.4	1508.8	1557.0	1616.2	1762.5	2223.5
32.5°	641.8	827.3	1017.1	1195.4	1357.9	1489.5	1537.1	1597.9	1721.4	2035.8	3185.3
30°	701.6	895.1	1089.9	1270.5	1428.9	1514.4	1570.9	1653.6	1842.7	2898.2	4013.6
27.5°	757.3	958.5	1154.3	1334.1	1485.8	1537.7	1604.9	1760.4	2426.5	3683.3	4751.3
25°	808.7	1017.1	1213.9	1390.9	1505.9	1565.0	1653.1	1860.0	3139.4	4331.0	5016.8
22.5°	856.5	1070.7	1268.6	1442.9	1524.3	1591.9	1738.3	2392.2	3755.7	4909.7	5151.6
20°	900.4	1115.7	1314.4	1484.2	1541.0	1616.4	1815.9	2951.0	4266.5	5024.7	5243.0
17.5°	939.5	1155.8	1352.9	1497.9	1560.3	1658.4	1949.6	3452.8	4726.3	5128.4	5310.4
15°	973.7	1190.9	1386.5	1509.9	1577.9	1714.7	2356.9	3836.5	4951.4	5209.7	5369.0
12.5°	1002.8	1220.8	1415.2	1520.1	1593.0	1762.8	2705.9	4157.7	5024.3	5257.3	5385.2
10°	1026.7	1245.4	1438.9	1528.5	1605.5	1802.6	2994.4	4423.7	5084.6	5296.8	5398.6
7.5°	1045.4	1264.6	1457.4	1535.2	1615.3	1833.8	3220.8	4632.6	5132.1	5327.9	5409.2
5°	1058.8	1278.4	1470.7	1539.9	1622.3	1856.2	3383.6	4782.9	5166.4	5350.4	5416.9
2.5°	1066.9	1286.7	1478.6	1542.7	1626.5	1869.7	3481.7	4873.5	5187.0	5364.0	5421.5
0°	1069.6	1289.5	1481.3	1543.7	1627.9	1874.2	3514.5	4903.8	5193.9	5368.5	5423.1
-2.5°	1066.9	1286.7	1478.6	1542.7	1626.5	1869.7	3481.7	4873.5	5187.0	5364.0	5421.5
-5°	1058.8	1278.4	1470.7	1539.9	1622.3	1856.2	3383.6	4782.9	5166.4	5350.4	5416.9
-7.5°	1045.4	1264.6	1457.4	1535.2	1615.3	1833.8	3220.8	4632.6	5132.1	5327.9	5409.2
-10°	1026.7	1245.4	1438.9	1528.5	1605.5	1802.6	2994.4	4423.7	5084.6	5296.8	5398.6
-12.5°	1002.8	1220.8	1415.2	1520.1	1593.0	1762.8	2705.9	4157.7	5024.3	5257.3	5385.2
-15°	973.7	1190.9	1386.5	1509.9	1577.9	1714.7	2356.9	3836.5	4951.4	5209.7	5369.0
-17.5°	939.5	1155.8	1352.9	1497.9	1560.3	1658.4	1949.6	3452.8	4726.3	5128.4	5310.4
-20°	900.4	1115.7	1314.4	1484.2	1541.0	1616.4	1815.9	2951.0	4266.5	5024.7	5243.0



REPORT NUMBER: P1305443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-57-80-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	856.5	1070.7	1268.6	1442.9	1524.3	1591.9	1738.3	2392.2	3755.7	4909.7	5151.6
-25°	808.7	1017.1	1213.9	1390.9	1505.9	1565.0	1653.1	1860.0	3139.4	4331.0	5016.8
-27.5°	757.3	958.5	1154.3	1334.1	1485.8	1537.7	1604.9	1760.4	2426.5	3683.3	4751.3
-30°	701.6	895.1	1089.9	1270.5	1428.9	1514.4	1570.9	1653.6	1842.7	2898.2	4013.6
-32.5°	641.8	827.3	1017.1	1195.4	1357.9	1489.5	1537.1	1597.9	1721.4	2035.8	3185.3
-35°	582.5	757.3	938.0	1115.7	1281.8	1425.4	1508.8	1557.0	1616.2	1762.5	2223.5
-37.5°	526.5	683.2	854.5	1028.7	1190.9	1340.2	1474.4	1521.8	1570.6	1625.4	1776.3
-40°	467.6	605.3	768.9	933.5	1095.7	1245.4	1379.0	1488.7	1528.4	1575.1	1625.4
-42.5°	406.5	537.3	680.1	834.2	990.8	1139.0	1278.4	1398.6	1492.0	1528.4	1570.6
-45°	347.9	466.8	590.4	734.3	879.7	1025.4	1160.7	1289.5	1398.6	1488.7	1521.8
-47.5°	287.0	395.4	510.9	630.8	767.0	902.6	1037.0	1160.7	1278.4	1379.0	1474.4
-50°	228.1	326.5	428.7	537.6	652.5	778.0	902.6	1025.4	1139.0	1245.4	1340.2
-52.5°	180.1	255.4	350.3	446.4	546.5	652.5	767.0	879.7	990.8	1095.7	1190.9
-55°	130.6	197.5	271.2	358.3	446.4	537.6	630.8	734.3	834.2	933.5	1028.7
-57.5°	96.4	142.2	203.3	271.2	350.3	428.7	510.9	590.4	680.1	768.9	854.5
-60°	71.1	99.3	142.2	197.5	255.4	326.5	395.4	466.8	537.3	605.3	683.2
-62.5°	48.5	71.1	96.4	130.6	180.1	228.1	287.0	347.9	406.5	467.6	526.5
-65°	40.6	47.6	65.5	88.1	110.0	151.3	193.6	234.4	285.4	336.3	384.8
-67.5°	32.5	38.9	45.2	54.4	74.2	93.3	111.9	148.1	183.3	216.9	252.2
-70°	27.2	30.5	35.6	41.0	46.3	54.9	71.4	87.2	102.5	122.0	150.3
-72.5°	22.4	25.3	28.1	30.9	35.3	39.8	44.1	48.2	57.6	70.3	82.4
-75°	17.9	20.1	22.5	24.8	27.1	29.4	31.7	35.3	38.7	41.9	45.0
-77.5°	13.7	15.5	17.2	18.9	20.6	22.5	24.3	26.0	27.6	29.2	30.7
-80°	10.1	10.9	12.2	13.6	14.9	16.2	17.4	18.6	19.8	20.9	22.1
-82.5°	8.0	8.5	9.1	9.6	10.1	10.5	11.1	12.0	12.9	13.7	14.4
-85°	5.7	6.2	6.5	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0
-87.5°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
-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°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
85°	9.2	9.4	9.6	9.8	10.0	10.2	10.3	10.5	10.6	10.7	10.8
82.5°	15.2	15.9	16.5	17.1	17.6	18.1	18.6	19.0	19.3	19.6	19.9
80°	23.3	24.3	25.3	26.2	27.1	27.9	28.5	29.2	29.7	30.2	30.5
77.5°	32.8	35.1	37.2	39.2	41.0	42.7	44.2	45.5	46.7	47.6	48.5
75°	48.0	52.6	61.2	69.2	76.5	83.2	89.2	94.6	99.3	103.2	106.5
72.5°	93.8	104.6	117.2	136.3	154.0	170.1	184.6	197.5	208.7	218.2	226.1
70°	177.2	202.6	226.3	251.2	278.7	303.8	326.5	346.6	364.1	379.0	391.3
67.5°	293.3	332.1	368.5	402.3	435.5	466.8	495.1	520.2	542.1	560.7	576.0
65°	432.6	480.2	525.0	566.6	605.3	647.6	685.8	719.8	749.4	774.7	795.4
62.5°	582.5	641.8	701.6	757.3	808.7	856.5	900.4	939.5	973.7	1002.8	1026.7
60°	757.3	827.3	895.1	958.5	1017.1	1070.7	1115.7	1155.8	1190.9	1220.8	1245.4
57.5°	938.0	1017.1	1089.9	1154.3	1213.9	1268.6	1314.4	1352.9	1386.5	1415.2	1438.9
55°	1115.7	1195.4	1270.5	1334.1	1390.9	1442.9	1484.2	1497.9	1509.9	1520.1	1528.5
52.5°	1281.8	1357.9	1428.9	1485.8	1505.9	1524.3	1541.0	1560.3	1577.9	1593.0	1605.5
50°	1425.4	1489.5	1514.4	1537.7	1565.0	1591.9	1616.4	1658.4	1714.7	1762.8	1802.6
47.5°	1508.8	1537.1	1570.9	1604.9	1653.1	1738.3	1815.9	1949.6	2356.9	2705.9	2994.4
45°	1557.0	1597.9	1653.6	1760.4	1860.0	2392.2	2951.0	3452.8	3836.5	4157.7	4423.7
42.5°	1616.2	1721.4	1842.7	2426.5	3139.4	3755.7	4266.5	4726.3	4951.4	5024.3	5084.6
40°	1762.5	2035.8	2898.2	3683.3	4331.0	4909.7	5024.7	5128.4	5209.7	5257.3	5296.8
37.5°	2223.5	3185.3	4013.6	4751.3	5016.8	5151.6	5243.0	5310.4	5369.0	5385.2	5398.6
35°	3281.6	4180.6	4925.5	5089.7	5224.4	5311.4	5375.7	5398.5	5418.8	5360.9	5291.8
32.5°	4180.6	4943.4	5126.6	5258.6	5358.1	5394.4	5421.4	5315.2	5211.8	5081.2	4936.1
30°	4925.5	5126.6	5270.1	5372.7	5405.8	5357.2	5220.5	5030.1	4813.9	4658.5	4618.1
27.5°	5089.7	5258.6	5372.7	5409.7	5319.7	5159.1	4875.8	4656.0	4596.3	4543.8	4651.3
25°	5224.4	5358.1	5405.8	5319.7	5121.3	4797.2	4624.9	4553.2	4678.9	4819.0	5081.0
22.5°	5311.4	5394.4	5357.2	5159.1	4797.2	4614.3	4574.0	4763.2	5075.1	5484.5	6906.4
20°	5375.7	5421.4	5220.5	4875.8	4624.9	4574.0	4791.8	5235.4	6148.3	9622.8	13734.2
17.5°	5398.5	5315.2	5030.1	4656.0	4553.2	4763.2	5235.4	6812.4	11031.1	20176.8	29825.3
15°	5418.8	5211.8	4813.9	4596.3	4678.9	5075.1	6148.3	11031.1	22386.7	36513.7	52376.0
12.5°	5360.9	5081.2	4658.5	4543.8	4819.0	5484.5	9622.8	20176.8	36513.7	56228.7	89622.8
10°	5291.8	4936.1	4618.1	4651.3	5081.0	6906.4	13734.2	29825.3	52376.0	89622.8	134961.1
7.5°	5237.2	4821.0	4586.0	4737.9	5336.1	9096.6	20804.9	41265.4	73440.9	122487.0	189506.2
5°	5197.7	4737.5	4562.6	4801.0	5523.0	10711.2	26058.1	50056.2	93065.9	155659.4	245053.3
2.5°	5173.8	4686.9	4548.4	4839.5	5637.3	11701.8	29299.6	55525.2	105422.4	179576.6	286609.9
0°	5165.8	4669.9	4543.6	4852.4	5675.7	12035.8	30396.0	57383.4	109649.4	188651.8	301453.9
-2.5°	5173.8	4686.9	4548.4	4839.5	5637.3	11701.8	29299.6	55525.2	105422.4	179576.6	286609.9
-5°	5197.7	4737.5	4562.6	4801.0	5523.0	10711.2	26058.1	50056.2	93065.9	155659.4	245053.3
-7.5°	5237.2	4821.0	4586.0	4737.9	5336.1	9096.6	20804.9	41265.4	73440.9	122487.0	189506.2
-10°	5291.8	4936.1	4618.1	4651.3	5081.0	6906.4	13734.2	29825.3	52376.0	89622.8	134961.1
-12.5°	5360.9	5081.2	4658.5	4543.8	4819.0	5484.5	9622.8	20176.8	36513.7	56228.7	89622.8
-15°	5418.8	5211.8	4813.9	4596.3	4678.9	5075.1	6148.3	11031.1	22386.7	36513.7	52376.0
-17.5°	5398.5	5315.2	5030.1	4656.0	4553.2	4763.2	5235.4	6812.4	11031.1	20176.8	29825.3
-20°	5375.7	5421.4	5220.5	4875.8	4624.9	4574.0	4791.8	5235.4	6148.3	9622.8	13734.2



REPORT NUMBER: P1305443 (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°	5311.4	5394.4	5357.2	5159.1	4797.2	4614.3	4574.0	4763.2	5075.1	5484.5	6906.4
-25°	5224.4	5358.1	5405.8	5319.7	5121.3	4797.2	4624.9	4553.2	4678.9	4819.0	5081.0
-27.5°	5089.7	5258.6	5372.7	5409.7	5319.7	5159.1	4875.8	4656.0	4596.3	4543.8	4651.3
-30°	4925.5	5126.6	5270.1	5372.7	5405.8	5357.2	5220.5	5030.1	4813.9	4658.5	4618.1
-32.5°	4180.6	4943.4	5126.6	5258.6	5358.1	5394.4	5421.4	5315.2	5211.8	5081.2	4936.1
-35°	3281.6	4180.6	4925.5	5089.7	5224.4	5311.4	5375.7	5398.5	5418.8	5360.9	5291.8
-37.5°	2223.5	3185.3	4013.6	4751.3	5016.8	5151.6	5243.0	5310.4	5369.0	5385.2	5398.6
-40°	1762.5	2035.8	2898.2	3683.3	4331.0	4909.7	5024.7	5128.4	5209.7	5257.3	5296.8
-42.5°	1616.2	1721.4	1842.7	2426.5	3139.4	3755.7	4266.5	4726.3	4951.4	5024.3	5084.6
-45°	1557.0	1597.9	1653.6	1760.4	1860.0	2392.2	2951.0	3452.8	3836.5	4157.7	4423.7
-47.5°	1508.8	1537.1	1570.9	1604.9	1653.1	1738.3	1815.9	1949.6	2356.9	2705.9	2994.4
-50°	1425.4	1489.5	1514.4	1537.7	1565.0	1591.9	1616.4	1658.4	1714.7	1762.8	1802.6
-52.5°	1281.8	1357.9	1428.9	1485.8	1505.9	1524.3	1541.0	1560.3	1577.9	1593.0	1605.5
-55°	1115.7	1195.4	1270.5	1334.1	1390.9	1442.9	1484.2	1497.9	1509.9	1520.1	1528.5
-57.5°	938.0	1017.1	1089.9	1154.3	1213.9	1268.6	1314.4	1352.9	1386.5	1415.2	1438.9
-60°	757.3	827.3	895.1	958.5	1017.1	1070.7	1115.7	1155.8	1190.9	1220.8	1245.4
-62.5°	582.5	641.8	701.6	757.3	808.7	856.5	900.4	939.5	973.7	1002.8	1026.7
-65°	432.6	480.2	525.0	566.6	605.3	647.6	685.8	719.8	749.4	774.7	795.4
-67.5°	293.3	332.1	368.5	402.3	435.5	466.8	495.1	520.2	542.1	560.7	576.0
-70°	177.2	202.6	226.3	251.2	278.7	303.8	326.5	346.6	364.1	379.0	391.3
-72.5°	93.8	104.6	117.2	136.3	154.0	170.1	184.6	197.5	208.7	218.2	226.1
-75°	48.0	52.6	61.2	69.2	76.5	83.2	89.2	94.6	99.3	103.2	106.5
-77.5°	32.8	35.1	37.2	39.2	41.0	42.7	44.2	45.5	46.7	47.6	48.5
-80°	23.3	24.3	25.3	26.2	27.1	27.9	28.5	29.2	29.7	30.2	30.5
-82.5°	15.2	15.9	16.5	17.1	17.6	18.1	18.6	19.0	19.3	19.6	19.9
-85°	9.2	9.4	9.6	9.8	10.0	10.2	10.3	10.5	10.6	10.7	10.8
-87.5°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
-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: P1305443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-57-80-1S-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°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
85°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.8	10.7	10.6	10.5
82.5°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	19.9	19.6	19.3	19.0
80°	30.8	31.0	31.2	31.2	31.2	31.0	30.8	30.5	30.2	29.7	29.2
77.5°	49.1	49.5	49.8	49.9	49.8	49.5	49.1	48.5	47.6	46.7	45.5
75°	109.0	110.8	111.9	112.3	111.9	110.8	109.0	106.5	103.2	99.3	94.6
72.5°	232.2	236.6	239.2	240.1	239.2	236.6	232.2	226.1	218.2	208.7	197.5
70°	400.9	407.7	411.8	413.2	411.8	407.7	400.9	391.3	379.0	364.1	346.6
67.5°	588.0	596.5	601.7	603.4	601.7	596.5	588.0	576.0	560.7	542.1	520.2
65°	811.7	823.3	830.3	832.6	830.3	823.3	811.7	795.4	774.7	749.4	719.8
62.5°	1045.4	1058.8	1066.9	1069.6	1066.9	1058.8	1045.4	1026.7	1002.8	973.7	939.5
60°	1264.6	1278.4	1286.7	1289.5	1286.7	1278.4	1264.6	1245.4	1220.8	1190.9	1155.8
57.5°	1457.4	1470.7	1478.6	1481.3	1478.6	1470.7	1457.4	1438.9	1415.2	1386.5	1352.9
55°	1535.2	1539.9	1542.7	1543.7	1542.7	1539.9	1535.2	1528.5	1520.1	1509.9	1497.9
52.5°	1615.3	1622.3	1626.5	1627.9	1626.5	1622.3	1615.3	1605.5	1593.0	1577.9	1560.3
50°	1833.8	1856.2	1869.7	1874.2	1869.7	1856.2	1833.8	1802.6	1762.8	1714.7	1658.4
47.5°	3220.8	3383.6	3481.7	3514.5	3481.7	3383.6	3220.8	2994.4	2705.9	2356.9	1949.6
45°	4632.6	4782.9	4873.5	4903.8	4873.5	4782.9	4632.6	4423.7	4157.7	3836.5	3452.8
42.5°	5132.1	5166.4	5187.0	5193.9	5187.0	5166.4	5132.1	5084.6	5024.3	4951.4	4726.3
40°	5327.9	5350.4	5364.0	5368.5	5364.0	5350.4	5327.9	5296.8	5257.3	5209.7	5128.4
37.5°	5409.2	5416.9	5421.5	5423.1	5421.5	5416.9	5409.2	5398.6	5385.2	5369.0	5310.4
35°	5237.2	5197.7	5173.8	5165.8	5173.8	5197.7	5237.2	5291.8	5360.9	5418.8	5398.5
32.5°	4821.0	4737.5	4686.9	4669.9	4686.9	4737.5	4821.0	4936.1	5081.2	5211.8	5315.2
30°	4586.0	4562.6	4548.4	4543.6	4548.4	4562.6	4586.0	4618.1	4658.5	4813.9	5030.1
27.5°	4737.9	4801.0	4839.5	4852.4	4839.5	4801.0	4737.9	4651.3	4543.8	4596.3	4656.0
25°	5336.1	5523.0	5637.3	5675.7	5637.3	5523.0	5336.1	5081.0	4819.0	4678.9	4553.2
22.5°	9096.6	10711.2	11701.8	12035.8	11701.8	10711.2	9096.6	6906.4	5484.5	5075.1	4763.2
20°	20804.9	26058.1	29299.6	30396.0	29299.6	26058.1	20804.9	13734.2	9622.8	6148.3	5235.4
17.5°	41265.4	50056.2	55525.2	57383.4	55525.2	50056.2	41265.4	29825.3	20176.8	11031.1	6812.4
15°	73440.9	93065.9	105422.4	109649.4	105422.4	93065.9	73440.9	52376.0	36513.7	22386.7	11031.1
12.5°	122487.0	155659.4	179576.6	188651.8	179576.6	155659.4	122487.0	89622.8	56228.7	36513.7	20176.8
10°	189506.2	245053.3	286609.9	301453.9	286609.9	245053.3	189506.2	134961.1	89622.8	52376.0	29825.3
7.5°	272640.2	347297.7	399756.3	417617.0	399756.3	347297.7	272640.2	189506.2	122487.0	73440.9	41265.4
5°	347297.7	436805.4	496673.8	518820.7	496673.8	436805.4	347297.7	245053.3	155659.4	93065.9	50056.2
2.5°	399756.3	496673.8	567712.1	601396.0	567712.1	496673.8	399756.3	286609.9	179576.6	105422.4	55525.2
0°	417617.0	518820.7	601396.0	651130.5	601396.0	518820.7	417617.0	301453.9	188651.8	109649.4	57383.4
-2.5°	399756.3	496673.8	567712.1	601396.0	567712.1	496673.8	399756.3	286609.9	179576.6	105422.4	55525.2
-5°	347297.7	436805.4	496673.8	518820.7	496673.8	436805.4	347297.7	245053.3	155659.4	93065.9	50056.2
-7.5°	272640.2	347297.7	399756.3	417617.0	399756.3	347297.7	272640.2	189506.2	122487.0	73440.9	41265.4
-10°	189506.2	245053.3	286609.9	301453.9	286609.9	245053.3	189506.2	134961.1	89622.8	52376.0	29825.3
-12.5°	122487.0	155659.4	179576.6	188651.8	179576.6	155659.4	122487.0	89622.8	56228.7	36513.7	20176.8
-15°	73440.9	93065.9	105422.4	109649.4	105422.4	93065.9	73440.9	52376.0	36513.7	22386.7	11031.1
-17.5°	41265.4	50056.2	55525.2	57383.4	55525.2	50056.2	41265.4	29825.3	20176.8	11031.1	6812.4
-20°	20804.9	26058.1	29299.6	30396.0	29299.6	26058.1	20804.9	13734.2	9622.8	6148.3	5235.4



REPORT NUMBER: P1305443 (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°
-22.5°	9096.6	10711.2	11701.8	12035.8	11701.8	10711.2	9096.6	6906.4	5484.5	5075.1	4763.2
-25°	5336.1	5523.0	5637.3	5675.7	5637.3	5523.0	5336.1	5081.0	4819.0	4678.9	4553.2
-27.5°	4737.9	4801.0	4839.5	4852.4	4839.5	4801.0	4737.9	4651.3	4543.8	4596.3	4656.0
-30°	4586.0	4562.6	4548.4	4543.6	4548.4	4562.6	4586.0	4618.1	4658.5	4813.9	5030.1
-32.5°	4821.0	4737.5	4686.9	4669.9	4686.9	4737.5	4821.0	4936.1	5081.2	5211.8	5315.2
-35°	5237.2	5197.7	5173.8	5165.8	5173.8	5197.7	5237.2	5291.8	5360.9	5418.8	5398.5
-37.5°	5409.2	5416.9	5421.5	5423.1	5421.5	5416.9	5409.2	5398.6	5385.2	5369.0	5310.4
-40°	5327.9	5350.4	5364.0	5368.5	5364.0	5350.4	5327.9	5296.8	5257.3	5209.7	5128.4
-42.5°	5132.1	5166.4	5187.0	5193.9	5187.0	5166.4	5132.1	5084.6	5024.3	4951.4	4726.3
-45°	4632.6	4782.9	4873.5	4903.8	4873.5	4782.9	4632.6	4423.7	4157.7	3836.5	3452.8
-47.5°	3220.8	3383.6	3481.7	3514.5	3481.7	3383.6	3220.8	2994.4	2705.9	2356.9	1949.6
-50°	1833.8	1856.2	1869.7	1874.2	1869.7	1856.2	1833.8	1802.6	1762.8	1714.7	1658.4
-52.5°	1615.3	1622.3	1626.5	1627.9	1626.5	1622.3	1615.3	1605.5	1593.0	1577.9	1560.3
-55°	1535.2	1539.9	1542.7	1543.7	1542.7	1539.9	1535.2	1528.5	1520.1	1509.9	1497.9
-57.5°	1457.4	1470.7	1478.6	1481.3	1478.6	1470.7	1457.4	1438.9	1415.2	1386.5	1352.9
-60°	1264.6	1278.4	1286.7	1289.5	1286.7	1278.4	1264.6	1245.4	1220.8	1190.9	1155.8
-62.5°	1045.4	1058.8	1066.9	1069.6	1066.9	1058.8	1045.4	1026.7	1002.8	973.7	939.5
-65°	811.7	823.3	830.3	832.6	830.3	823.3	811.7	795.4	774.7	749.4	719.8
-67.5°	588.0	596.5	601.7	603.4	601.7	596.5	588.0	576.0	560.7	542.1	520.2
-70°	400.9	407.7	411.8	413.2	411.8	407.7	400.9	391.3	379.0	364.1	346.6
-72.5°	232.2	236.6	239.2	240.1	239.2	236.6	232.2	226.1	218.2	208.7	197.5
-75°	109.0	110.8	111.9	112.3	111.9	110.8	109.0	106.5	103.2	99.3	94.6
-77.5°	49.1	49.5	49.8	49.9	49.8	49.5	49.1	48.5	47.6	46.7	45.5
-80°	30.8	31.0	31.2	31.2	31.2	31.0	30.8	30.5	30.2	29.7	29.2
-82.5°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	19.9	19.6	19.3	19.0
-85°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.8	10.7	10.6	10.5
-87.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
-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°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
85°	10.3	10.2	10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.4	8.1
82.5°	18.6	18.1	17.6	17.1	16.5	15.9	15.2	14.4	13.7	12.9	12.0
80°	28.5	27.9	27.1	26.2	25.3	24.3	23.3	22.1	20.9	19.8	18.6
77.5°	44.2	42.7	41.0	39.2	37.2	35.1	32.8	30.7	29.2	27.6	26.0
75°	89.2	83.2	76.5	69.2	61.2	52.6	48.0	45.0	41.9	38.7	35.3
72.5°	184.6	170.1	154.0	136.3	117.2	104.6	93.8	82.4	70.3	57.6	48.2
70°	326.5	303.8	278.7	251.2	226.3	202.6	177.2	150.3	122.0	102.5	87.2
67.5°	495.1	466.8	435.5	402.3	368.5	332.1	293.3	252.2	216.9	183.3	148.1
65°	685.8	647.6	605.3	566.6	525.0	480.2	432.6	384.8	336.3	285.4	234.4
62.5°	900.4	856.5	808.7	757.3	701.6	641.8	582.5	526.5	467.6	406.5	347.9
60°	1115.7	1070.7	1017.1	958.5	895.1	827.3	757.3	683.2	605.3	537.3	466.8
57.5°	1314.4	1268.6	1213.9	1154.3	1089.9	1017.1	938.0	854.5	768.9	680.1	590.4
55°	1484.2	1442.9	1390.9	1334.1	1270.5	1195.4	1115.7	1028.7	933.5	834.2	734.3
52.5°	1541.0	1524.3	1505.9	1485.8	1428.9	1357.9	1281.8	1190.9	1095.7	990.8	879.7
50°	1616.4	1591.9	1565.0	1537.7	1514.4	1489.5	1425.4	1340.2	1245.4	1139.0	1025.4
47.5°	1815.9	1738.3	1653.1	1604.9	1570.9	1537.1	1508.8	1474.4	1379.0	1278.4	1160.7
45°	2951.0	2392.2	1860.0	1760.4	1653.6	1597.9	1557.0	1521.8	1488.7	1398.6	1289.5
42.5°	4266.5	3755.7	3139.4	2426.5	1842.7	1721.4	1616.2	1570.6	1528.4	1492.0	1398.6
40°	5024.7	4909.7	4331.0	3683.3	2898.2	2035.8	1762.5	1625.4	1575.1	1528.4	1488.7
37.5°	5243.0	5151.6	5016.8	4751.3	4013.6	3185.3	2223.5	1776.3	1625.4	1570.6	1521.8
35°	5375.7	5311.4	5224.4	5089.7	4925.5	4180.6	3281.6	2223.5	1762.5	1616.2	1557.0
32.5°	5421.4	5394.4	5358.1	5258.6	5126.6	4943.4	4180.6	3185.3	2035.8	1721.4	1597.9
30°	5220.5	5357.2	5405.8	5372.7	5270.1	5126.6	4925.5	4013.6	2898.2	1842.7	1653.6
27.5°	4875.8	5159.1	5319.7	5409.7	5372.7	5258.6	5089.7	4751.3	3683.3	2426.5	1760.4
25°	4624.9	4797.2	5121.3	5319.7	5405.8	5358.1	5224.4	5016.8	4331.0	3139.4	1860.0
22.5°	4574.0	4614.3	4797.2	5159.1	5357.2	5394.4	5311.4	5151.6	4909.7	3755.7	2392.2
20°	4791.8	4574.0	4624.9	4875.8	5220.5	5421.4	5375.7	5243.0	5024.7	4266.5	2951.0
17.5°	5235.4	4763.2	4553.2	4656.0	5030.1	5315.2	5398.5	5310.4	5128.4	4726.3	3452.8
15°	6148.3	5075.1	4678.9	4596.3	4813.9	5211.8	5418.8	5369.0	5209.7	4951.4	3836.5
12.5°	9622.8	5484.5	4819.0	4543.8	4658.5	5081.2	5360.9	5385.2	5257.3	5024.3	4157.7
10°	13734.2	6906.4	5081.0	4651.3	4618.1	4936.1	5291.8	5398.6	5296.8	5084.6	4423.7
7.5°	20804.9	9096.6	5336.1	4737.9	4586.0	4821.0	5237.2	5409.2	5327.9	5132.1	4632.6
5°	26058.1	10711.2	5523.0	4801.0	4562.6	4737.5	5197.7	5416.9	5350.4	5166.4	4782.9
2.5°	29299.6	11701.8	5637.3	4839.5	4548.4	4686.9	5173.8	5421.5	5364.0	5187.0	4873.5
0°	30396.0	12035.8	5675.7	4852.4	4543.6	4669.9	5165.8	5423.1	5368.5	5193.9	4903.8
-2.5°	29299.6	11701.8	5637.3	4839.5	4548.4	4686.9	5173.8	5421.5	5364.0	5187.0	4873.5
-5°	26058.1	10711.2	5523.0	4801.0	4562.6	4737.5	5197.7	5416.9	5350.4	5166.4	4782.9
-7.5°	20804.9	9096.6	5336.1	4737.9	4586.0	4821.0	5237.2	5409.2	5327.9	5132.1	4632.6
-10°	13734.2	6906.4	5081.0	4651.3	4618.1	4936.1	5291.8	5398.6	5296.8	5084.6	4423.7
-12.5°	9622.8	5484.5	4819.0	4543.8	4658.5	5081.2	5360.9	5385.2	5257.3	5024.3	4157.7
-15°	6148.3	5075.1	4678.9	4596.3	4813.9	5211.8	5418.8	5369.0	5209.7	4951.4	3836.5
-17.5°	5235.4	4763.2	4553.2	4656.0	5030.1	5315.2	5398.5	5310.4	5128.4	4726.3	3452.8
-20°	4791.8	4574.0	4624.9	4875.8	5220.5	5421.4	5375.7	5243.0	5024.7	4266.5	2951.0



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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°	4574.0	4614.3	4797.2	5159.1	5357.2	5394.4	5311.4	5151.6	4909.7	3755.7	2392.2
-25°	4624.9	4797.2	5121.3	5319.7	5405.8	5358.1	5224.4	5016.8	4331.0	3139.4	1860.0
-27.5°	4875.8	5159.1	5319.7	5409.7	5372.7	5258.6	5089.7	4751.3	3683.3	2426.5	1760.4
-30°	5220.5	5357.2	5405.8	5372.7	5270.1	5126.6	4925.5	4013.6	2898.2	1842.7	1653.6
-32.5°	5421.4	5394.4	5358.1	5258.6	5126.6	4943.4	4180.6	3185.3	2035.8	1721.4	1597.9
-35°	5375.7	5311.4	5224.4	5089.7	4925.5	4180.6	3281.6	2223.5	1762.5	1616.2	1557.0
-37.5°	5243.0	5151.6	5016.8	4751.3	4013.6	3185.3	2223.5	1776.3	1625.4	1570.6	1521.8
-40°	5024.7	4909.7	4331.0	3683.3	2898.2	2035.8	1762.5	1625.4	1575.1	1528.4	1488.7
-42.5°	4266.5	3755.7	3139.4	2426.5	1842.7	1721.4	1616.2	1570.6	1528.4	1492.0	1398.6
-45°	2951.0	2392.2	1860.0	1760.4	1653.6	1597.9	1557.0	1521.8	1488.7	1398.6	1289.5
-47.5°	1815.9	1738.3	1653.1	1604.9	1570.9	1537.1	1508.8	1474.4	1379.0	1278.4	1160.7
-50°	1616.4	1591.9	1565.0	1537.7	1514.4	1489.5	1425.4	1340.2	1245.4	1139.0	1025.4
-52.5°	1541.0	1524.3	1505.9	1485.8	1428.9	1357.9	1281.8	1190.9	1095.7	990.8	879.7
-55°	1484.2	1442.9	1390.9	1334.1	1270.5	1195.4	1115.7	1028.7	933.5	834.2	734.3
-57.5°	1314.4	1268.6	1213.9	1154.3	1089.9	1017.1	938.0	854.5	768.9	680.1	590.4
-60°	1115.7	1070.7	1017.1	958.5	895.1	827.3	757.3	683.2	605.3	537.3	466.8
-62.5°	900.4	856.5	808.7	757.3	701.6	641.8	582.5	526.5	467.6	406.5	347.9
-65°	685.8	647.6	605.3	566.6	525.0	480.2	432.6	384.8	336.3	285.4	234.4
-67.5°	495.1	466.8	435.5	402.3	368.5	332.1	293.3	252.2	216.9	183.3	148.1
-70°	326.5	303.8	278.7	251.2	226.3	202.6	177.2	150.3	122.0	102.5	87.2
-72.5°	184.6	170.1	154.0	136.3	117.2	104.6	93.8	82.4	70.3	57.6	48.2
-75°	89.2	83.2	76.5	69.2	61.2	52.6	48.0	45.0	41.9	38.7	35.3
-77.5°	44.2	42.7	41.0	39.2	37.2	35.1	32.8	30.7	29.2	27.6	26.0
-80°	28.5	27.9	27.1	26.2	25.3	24.3	23.3	22.1	20.9	19.8	18.6
-82.5°	18.6	18.1	17.6	17.1	16.5	15.9	15.2	14.4	13.7	12.9	12.0
-85°	10.3	10.2	10.0	9.8	9.6	9.4	9.2	9.0	8.7	8.4	8.1
-87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
-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: P1305443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-57-80-1S-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°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
85°	7.8	7.5	7.2	6.9	6.5	6.2	5.7	5.2	4.7	4.2	3.7
82.5°	11.1	10.5	10.1	9.6	9.1	8.5	8.0	7.4	6.9	6.3	5.6
80°	17.4	16.2	14.9	13.6	12.2	10.9	10.1	9.4	8.7	7.9	7.1
77.5°	24.3	22.5	20.6	18.9	17.2	15.5	13.7	11.8	10.4	9.5	8.5
75°	31.7	29.4	27.1	24.8	22.5	20.1	17.9	15.7	13.5	11.2	9.9
72.5°	44.1	39.8	35.3	30.9	28.1	25.3	22.4	19.6	16.9	14.3	11.6
70°	71.4	54.9	46.3	41.0	35.6	30.5	27.2	23.8	20.4	17.4	14.3
67.5°	111.9	93.3	74.2	54.4	45.2	38.9	32.5	28.2	24.3	20.4	16.9
65°	193.6	151.3	110.0	88.1	65.5	47.6	40.6	33.4	28.2	23.8	19.6
62.5°	287.0	228.1	180.1	130.6	96.4	71.1	48.5	40.6	32.5	27.2	22.4
60°	395.4	326.5	255.4	197.5	142.2	99.3	71.1	47.6	38.9	30.5	25.3
57.5°	510.9	428.7	350.3	271.2	203.3	142.2	96.4	65.5	45.2	35.6	28.1
55°	630.8	537.6	446.4	358.3	271.2	197.5	130.6	88.1	54.4	41.0	30.9
52.5°	767.0	652.5	546.5	446.4	350.3	255.4	180.1	110.0	74.2	46.3	35.3
50°	902.6	778.0	652.5	537.6	428.7	326.5	228.1	151.3	93.3	54.9	39.8
47.5°	1037.0	902.6	767.0	630.8	510.9	395.4	287.0	193.6	111.9	71.4	44.1
45°	1160.7	1025.4	879.7	734.3	590.4	466.8	347.9	234.4	148.1	87.2	48.2
42.5°	1278.4	1139.0	990.8	834.2	680.1	537.3	406.5	285.4	183.3	102.5	57.6
40°	1379.0	1245.4	1095.7	933.5	768.9	605.3	467.6	336.3	216.9	122.0	70.3
37.5°	1474.4	1340.2	1190.9	1028.7	854.5	683.2	526.5	384.8	252.2	150.3	82.4
35°	1508.8	1425.4	1281.8	1115.7	938.0	757.3	582.5	432.6	293.3	177.2	93.8
32.5°	1537.1	1489.5	1357.9	1195.4	1017.1	827.3	641.8	480.2	332.1	202.6	104.6
30°	1570.9	1514.4	1428.9	1270.5	1089.9	895.1	701.6	525.0	368.5	226.3	117.2
27.5°	1604.9	1537.7	1485.8	1334.1	1154.3	958.5	757.3	566.6	402.3	251.2	136.3
25°	1653.1	1565.0	1505.9	1390.9	1213.9	1017.1	808.7	605.3	435.5	278.7	154.0
22.5°	1738.3	1591.9	1524.3	1442.9	1268.6	1070.7	856.5	647.6	466.8	303.8	170.1
20°	1815.9	1616.4	1541.0	1484.2	1314.4	1115.7	900.4	685.8	495.1	326.5	184.6
17.5°	1949.6	1658.4	1560.3	1497.9	1352.9	1155.8	939.5	719.8	520.2	346.6	197.5
15°	2356.9	1714.7	1577.9	1509.9	1386.5	1190.9	973.7	749.4	542.1	364.1	208.7
12.5°	2705.9	1762.8	1593.0	1520.1	1415.2	1220.8	1002.8	774.7	560.7	379.0	218.2
10°	2994.4	1802.6	1605.5	1528.5	1438.9	1245.4	1026.7	795.4	576.0	391.3	226.1
7.5°	3220.8	1833.8	1615.3	1535.2	1457.4	1264.6	1045.4	811.7	588.0	400.9	232.2
5°	3383.6	1856.2	1622.3	1539.9	1470.7	1278.4	1058.8	823.3	596.5	407.7	236.6
2.5°	3481.7	1869.7	1626.5	1542.7	1478.6	1286.7	1066.9	830.3	601.7	411.8	239.2
0°	3514.5	1874.2	1627.9	1543.7	1481.3	1289.5	1069.6	832.6	603.4	413.2	240.1
-2.5°	3481.7	1869.7	1626.5	1542.7	1478.6	1286.7	1066.9	830.3	601.7	411.8	239.2
-5°	3383.6	1856.2	1622.3	1539.9	1470.7	1278.4	1058.8	823.3	596.5	407.7	236.6
-7.5°	3220.8	1833.8	1615.3	1535.2	1457.4	1264.6	1045.4	811.7	588.0	400.9	232.2
-10°	2994.4	1802.6	1605.5	1528.5	1438.9	1245.4	1026.7	795.4	576.0	391.3	226.1
-12.5°	2705.9	1762.8	1593.0	1520.1	1415.2	1220.8	1002.8	774.7	560.7	379.0	218.2
-15°	2356.9	1714.7	1577.9	1509.9	1386.5	1190.9	973.7	749.4	542.1	364.1	208.7
-17.5°	1949.6	1658.4	1560.3	1497.9	1352.9	1155.8	939.5	719.8	520.2	346.6	197.5
-20°	1815.9	1616.4	1541.0	1484.2	1314.4	1115.7	900.4	685.8	495.1	326.5	184.6



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1738.3	1591.9	1524.3	1442.9	1268.6	1070.7	856.5	647.6	466.8	303.8	170.1
-25°	1653.1	1565.0	1505.9	1390.9	1213.9	1017.1	808.7	605.3	435.5	278.7	154.0
-27.5°	1604.9	1537.7	1485.8	1334.1	1154.3	958.5	757.3	566.6	402.3	251.2	136.3
-30°	1570.9	1514.4	1428.9	1270.5	1089.9	895.1	701.6	525.0	368.5	226.3	117.2
-32.5°	1537.1	1489.5	1357.9	1195.4	1017.1	827.3	641.8	480.2	332.1	202.6	104.6
-35°	1508.8	1425.4	1281.8	1115.7	938.0	757.3	582.5	432.6	293.3	177.2	93.8
-37.5°	1474.4	1340.2	1190.9	1028.7	854.5	683.2	526.5	384.8	252.2	150.3	82.4
-40°	1379.0	1245.4	1095.7	933.5	768.9	605.3	467.6	336.3	216.9	122.0	70.3
-42.5°	1278.4	1139.0	990.8	834.2	680.1	537.3	406.5	285.4	183.3	102.5	57.6
-45°	1160.7	1025.4	879.7	734.3	590.4	466.8	347.9	234.4	148.1	87.2	48.2
-47.5°	1037.0	902.6	767.0	630.8	510.9	395.4	287.0	193.6	111.9	71.4	44.1
-50°	902.6	778.0	652.5	537.6	428.7	326.5	228.1	151.3	93.3	54.9	39.8
-52.5°	767.0	652.5	546.5	446.4	350.3	255.4	180.1	110.0	74.2	46.3	35.3
-55°	630.8	537.6	446.4	358.3	271.2	197.5	130.6	88.1	54.4	41.0	30.9
-57.5°	510.9	428.7	350.3	271.2	203.3	142.2	96.4	65.5	45.2	35.6	28.1
-60°	395.4	326.5	255.4	197.5	142.2	99.3	71.1	47.6	38.9	30.5	25.3
-62.5°	287.0	228.1	180.1	130.6	96.4	71.1	48.5	40.6	32.5	27.2	22.4
-65°	193.6	151.3	110.0	88.1	65.5	47.6	40.6	33.4	28.2	23.8	19.6
-67.5°	111.9	93.3	74.2	54.4	45.2	38.9	32.5	28.2	24.3	20.4	16.9
-70°	71.4	54.9	46.3	41.0	35.6	30.5	27.2	23.8	20.4	17.4	14.3
-72.5°	44.1	39.8	35.3	30.9	28.1	25.3	22.4	19.6	16.9	14.3	11.6
-75°	31.7	29.4	27.1	24.8	22.5	20.1	17.9	15.7	13.5	11.2	9.9
-77.5°	24.3	22.5	20.6	18.9	17.2	15.5	13.7	11.8	10.4	9.5	8.5
-80°	17.4	16.2	14.9	13.6	12.2	10.9	10.1	9.4	8.7	7.9	7.1
-82.5°	11.1	10.5	10.1	9.6	9.1	8.5	8.0	7.4	6.9	6.3	5.6
-85°	7.8	7.5	7.2	6.9	6.5	6.2	5.7	5.2	4.7	4.2	3.7
-87.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
-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°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
77.5°	7.5	6.5	5.3	4.0	2.7	1.3	0.0
75°	8.7	7.5	6.3	4.8	3.2	1.6	0.0
72.5°	9.9	8.5	7.1	5.6	3.7	1.9	0.0
70°	11.2	9.5	7.9	6.3	4.2	2.1	0.0
67.5°	13.5	10.4	8.7	6.9	4.7	2.4	0.0
65°	15.7	11.8	9.4	7.4	5.2	2.6	0.0
62.5°	17.9	13.7	10.1	8.0	5.7	2.9	0.0
60°	20.1	15.5	10.9	8.5	6.2	3.1	0.0
57.5°	22.5	17.2	12.2	9.1	6.5	3.3	0.0
55°	24.8	18.9	13.6	9.6	6.9	3.6	0.0
52.5°	27.1	20.6	14.9	10.1	7.2	3.8	0.0
50°	29.4	22.5	16.2	10.5	7.5	4.0	0.0
47.5°	31.7	24.3	17.4	11.1	7.8	4.2	0.0
45°	35.3	26.0	18.6	12.0	8.1	4.4	0.0
42.5°	38.7	27.6	19.8	12.9	8.4	4.6	0.0
40°	41.9	29.2	20.9	13.7	8.7	4.7	0.0
37.5°	45.0	30.7	22.1	14.4	9.0	4.9	0.0
35°	48.0	32.8	23.3	15.2	9.2	5.1	0.0
32.5°	52.6	35.1	24.3	15.9	9.4	5.2	0.0
30°	61.2	37.2	25.3	16.5	9.6	5.4	0.0
27.5°	69.2	39.2	26.2	17.1	9.8	5.5	0.0
25°	76.5	41.0	27.1	17.6	10.0	5.6	0.0
22.5°	83.2	42.7	27.9	18.1	10.2	5.7	0.0
20°	89.2	44.2	28.5	18.6	10.3	5.8	0.0
17.5°	94.6	45.5	29.2	19.0	10.5	5.9	0.0
15°	99.3	46.7	29.7	19.3	10.6	6.0	0.0
12.5°	103.2	47.6	30.2	19.6	10.7	6.1	0.0
10°	106.5	48.5	30.5	19.9	10.8	6.1	0.0
7.5°	109.0	49.1	30.8	20.1	10.8	6.1	0.0
5°	110.8	49.5	31.0	20.2	10.9	6.2	0.0
2.5°	111.9	49.8	31.2	20.3	10.9	6.2	0.0
0°	112.3	49.9	31.2	20.3	10.9	6.2	0.0
-2.5°	111.9	49.8	31.2	20.3	10.9	6.2	0.0
-5°	110.8	49.5	31.0	20.2	10.9	6.2	0.0
-7.5°	109.0	49.1	30.8	20.1	10.8	6.1	0.0
-10°	106.5	48.5	30.5	19.9	10.8	6.1	0.0
-12.5°	103.2	47.6	30.2	19.6	10.7	6.1	0.0
-15°	99.3	46.7	29.7	19.3	10.6	6.0	0.0
-17.5°	94.6	45.5	29.2	19.0	10.5	5.9	0.0
-20°	89.2	44.2	28.5	18.6	10.3	5.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	83.2	42.7	27.9	18.1	10.2	5.7	0.0
-25°	76.5	41.0	27.1	17.6	10.0	5.6	0.0
-27.5°	69.2	39.2	26.2	17.1	9.8	5.5	0.0
-30°	61.2	37.2	25.3	16.5	9.6	5.4	0.0
-32.5°	52.6	35.1	24.3	15.9	9.4	5.2	0.0
-35°	48.0	32.8	23.3	15.2	9.2	5.1	0.0
-37.5°	45.0	30.7	22.1	14.4	9.0	4.9	0.0
-40°	41.9	29.2	20.9	13.7	8.7	4.7	0.0
-42.5°	38.7	27.6	19.8	12.9	8.4	4.6	0.0
-45°	35.3	26.0	18.6	12.0	8.1	4.4	0.0
-47.5°	31.7	24.3	17.4	11.1	7.8	4.2	0.0
-50°	29.4	22.5	16.2	10.5	7.5	4.0	0.0
-52.5°	27.1	20.6	14.9	10.1	7.2	3.8	0.0
-55°	24.8	18.9	13.6	9.6	6.9	3.6	0.0
-57.5°	22.5	17.2	12.2	9.1	6.5	3.3	0.0
-60°	20.1	15.5	10.9	8.5	6.2	3.1	0.0
-62.5°	17.9	13.7	10.1	8.0	5.7	2.9	0.0
-65°	15.7	11.8	9.4	7.4	5.2	2.6	0.0
-67.5°	13.5	10.4	8.7	6.9	4.7	2.4	0.0
-70°	11.2	9.5	7.9	6.3	4.2	2.1	0.0
-72.5°	9.9	8.5	7.1	5.6	3.7	1.9	0.0
-75°	8.7	7.5	6.3	4.8	3.2	1.6	0.0
-77.5°	7.5	6.5	5.3	4.0	2.7	1.3	0.0
-80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
-82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)