

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: P1305961 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-3S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

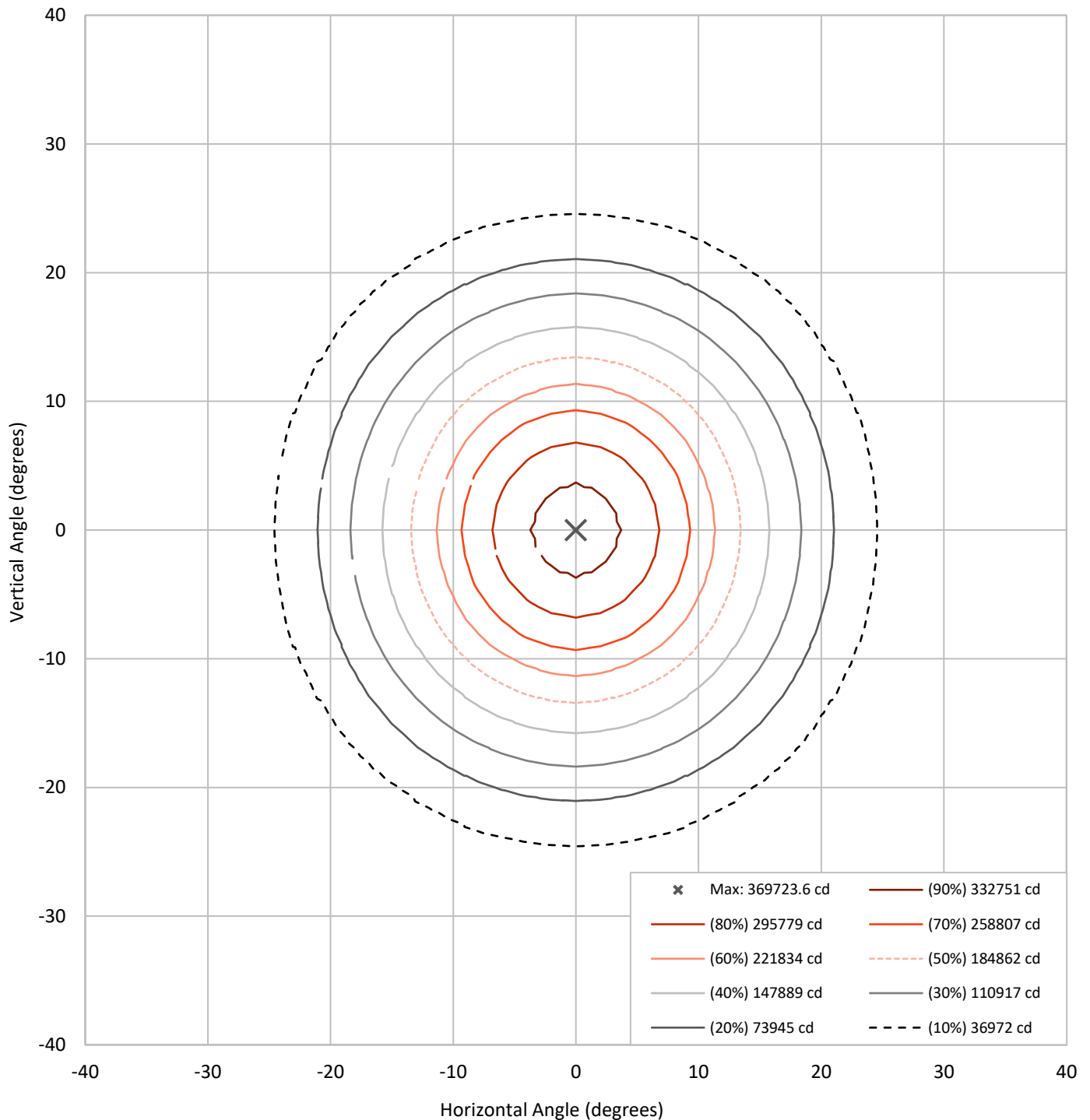
Test Method: LM-79-08  
Report Number: P1305961 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680N-40-80-3S-HEG-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 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:	99857.4 lumens	Max Intensity:	369723.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.1 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:	43296.6 lumens	Field Lumens:	82891.5 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%
Input Watts (W):	688		
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





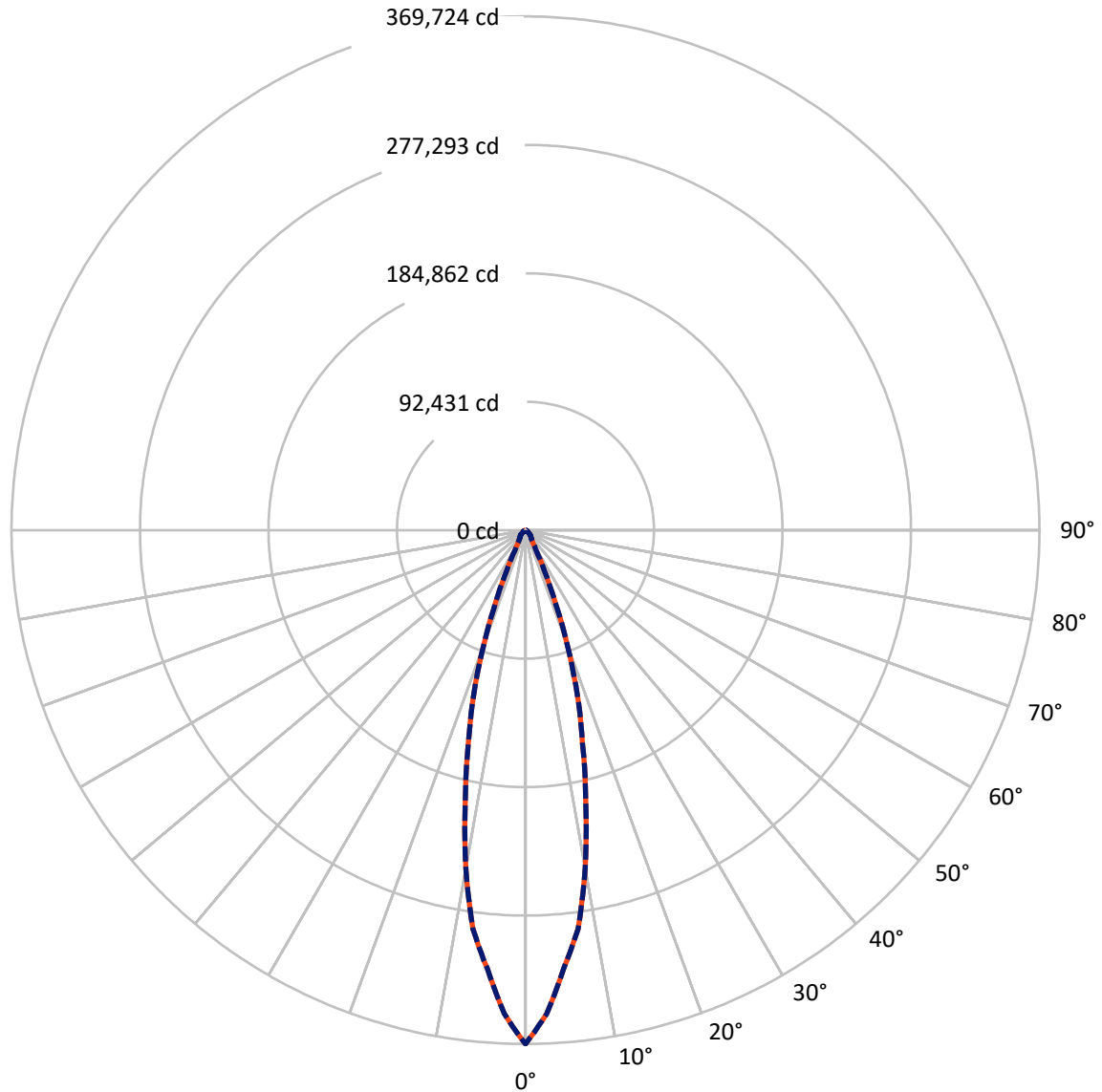
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### Lumen Table

90	0.1	0.9	3.4	9.0	12.0	9.0	3.4	0.9	0.1							
80	0.1	0.9	3.4	9.0	12.0	9.0	3.4	0.9	0.1							
70	0.4	0.5	2.2	6.6	13.0	19.8	25.4	28.4	28.4	25.4	19.8	13.0	6.6	2.2	0.5	0.4
60		1.7	7.7	18.2	31.2	44.6	55.2	61.0	61.0	55.2	44.6	31.2	18.2	7.7	1.7	
50	1.2	4.1	14.9	31.6	52.3	82.3	117.9	138.3	138.3	117.9	82.3	52.3	31.6	14.9	4.1	1.2
40		6.9	22.1	45.3	92.3	152.0	195.6	229.7	229.7	195.6	152.0	92.3	45.3	22.1	6.9	
30	2.7	9.5	28.5	64.8	137.6	217.9	503.8	1036.1	1036.1	503.8	217.9	137.6	64.8	28.5	9.5	2.7
20		11.4	33.2	87.2	166.4	475.5	2203.9	4413.4	4413.4	2203.9	475.5	166.4	87.2	33.2	11.4	
10	3.4	12.4	35.5	99.1	189.9	953.7	4292.6	8465.8	8465.8	4292.6	953.7	189.9	99.1	35.5	12.4	3.4
0		12.4	35.5	99.1	189.9	953.7	4292.6	8465.8	8465.8	4292.6	953.7	189.9	99.1	35.5	12.4	
-10	2.7	11.4	33.2	87.2	166.4	475.5	2203.9	4413.4	4413.4	2203.9	475.5	166.4	87.2	33.2	11.4	2.7
-20		9.5	28.5	64.8	137.6	217.9	503.8	1036.1	1036.1	503.8	217.9	137.6	64.8	28.5	9.5	
-30	1.2	6.9	22.1	45.3	92.3	152.0	195.6	229.7	229.7	195.6	152.0	92.3	45.3	22.1	6.9	1.2
-40		4.1	14.9	31.6	52.3	82.3	117.9	138.3	138.3	117.9	82.3	52.3	31.6	14.9	4.1	
-50	0.4	1.7	7.7	18.2	31.2	44.6	55.2	61.0	61.0	55.2	44.6	31.2	18.2	7.7	1.7	0.4
-60		0.5	2.2	6.6	13.0	19.8	25.4	28.4	28.4	25.4	19.8	13.0	6.6	2.2	0.5	
-70	0.1	0.9	3.4	9.0	12.0	9.0	3.4	0.9	0.1							
-80		0.1	0.9	3.4	9.0	12.0	9.0	3.4	0.9	0.1						
-90	0.1	0.9	3.4	9.0	12.0	9.0	3.4	0.9	0.1							

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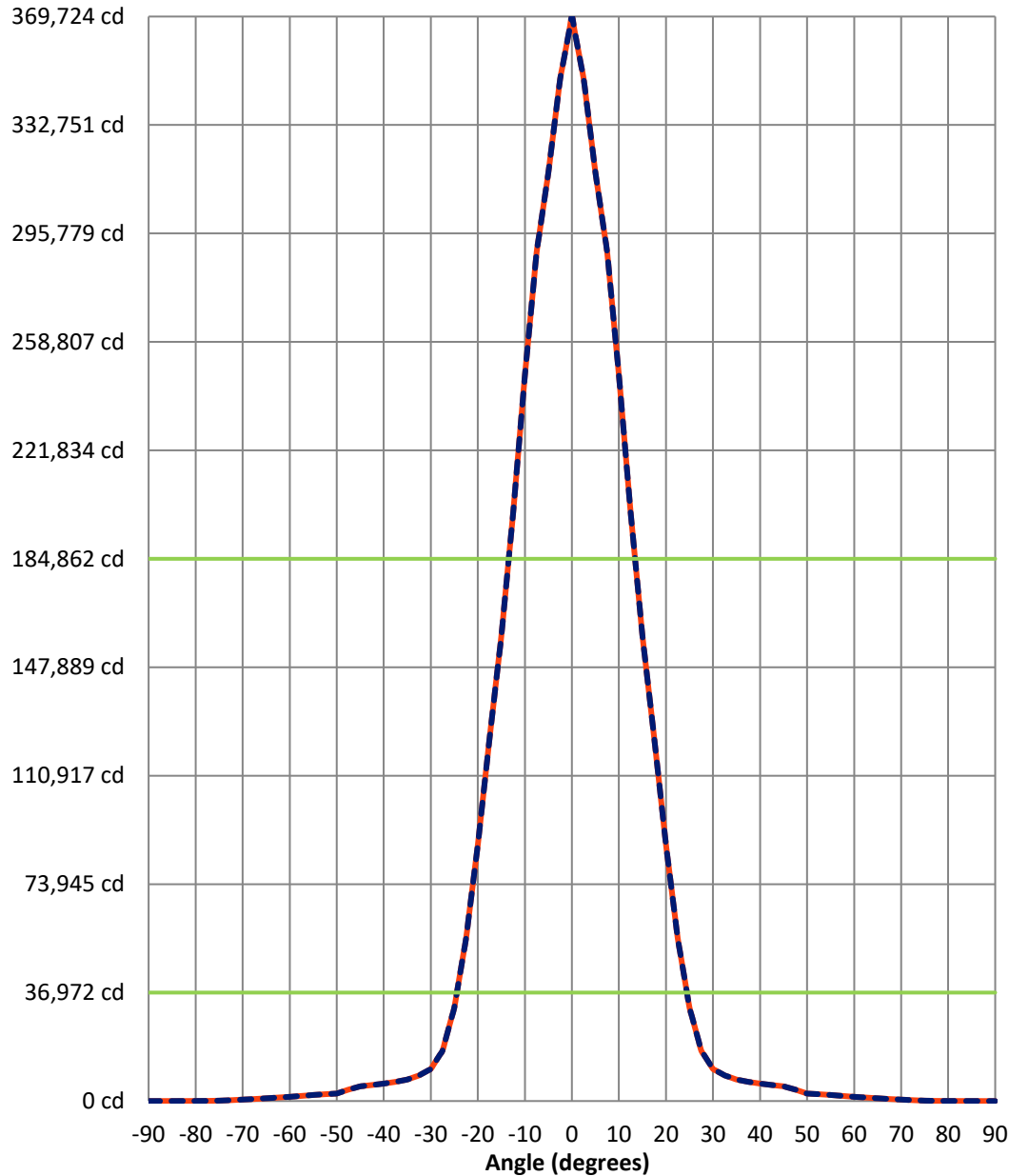
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 26.9°  
 V Angle: 26.9°  
 Lumens: 43296.6  
 Efficiency: 43.4%

**Field:**  
 H Angle: 48.9°  
 V Angle: 48.9°  
 Lumens: 82891.5  
 Efficiency: 83.0%

**Spill:**  
 Lumens: 16966  
 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	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.8
85°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.7
82.5°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	6.8	7.4	8.1
80°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	7.7	8.5	9.4	10.2
77.5°	0.0	1.4	2.9	4.3	5.8	7.1	8.2	9.2	10.3	11.3	12.6
75°	0.0	1.7	3.5	5.2	6.9	8.2	9.4	10.7	12.1	14.1	16.1
72.5°	0.0	2.0	4.0	6.0	7.7	9.2	10.7	12.4	14.8	17.2	19.5
70°	0.0	2.3	4.6	6.8	8.5	10.3	12.1	14.8	17.6	20.3	24.0
67.5°	0.0	2.6	5.1	7.4	9.4	11.3	14.1	17.2	20.3	24.5	28.7
65°	0.0	2.8	5.7	8.1	10.2	12.6	16.1	19.5	24.0	28.7	34.6
62.5°	0.0	3.1	6.2	8.6	11.0	14.3	18.1	22.5	27.6	33.6	43.7
60°	0.0	3.3	6.7	9.2	11.8	15.9	20.0	25.6	31.2	41.6	52.6
57.5°	0.0	3.6	7.1	9.8	13.0	17.4	22.5	28.6	37.4	49.4	75.6
55°	0.0	3.8	7.4	10.4	14.2	19.0	25.1	31.6	44.2	61.2	104.7
52.5°	0.0	4.1	7.8	10.9	15.4	20.5	27.5	37.1	50.9	86.8	133.1
50°	0.0	4.3	8.2	11.4	16.5	22.5	29.9	42.7	61.9	111.6	184.8
47.5°	0.0	4.5	8.5	12.0	17.6	24.5	32.6	48.1	83.2	135.6	237.6
45°	0.0	4.7	8.8	12.8	18.7	26.3	37.0	53.3	103.7	180.8	288.5
42.5°	0.0	4.9	9.1	13.6	19.7	28.1	41.3	65.4	123.4	224.7	348.5
40°	0.0	5.1	9.4	14.3	20.9	29.8	45.4	81.8	148.2	266.8	407.8
37.5°	0.0	5.3	9.7	15.0	22.2	31.4	49.3	97.4	183.6	309.8	464.3
35°	0.0	5.5	10.0	15.6	23.4	33.9	53.0	112.2	217.2	357.7	517.4
32.5°	0.0	5.7	10.2	16.2	24.5	36.8	58.9	126.1	248.8	403.0	566.7
30°	0.0	5.8	10.4	16.8	25.6	39.5	70.0	142.2	278.4	445.3	612.9
27.5°	0.0	5.9	10.6	17.3	26.6	41.9	80.3	166.1	308.6	484.7	655.9
25°	0.0	6.1	10.8	17.8	27.5	44.2	89.8	188.1	340.7	520.5	696.1
22.5°	0.0	6.2	11.0	18.3	28.3	46.3	98.5	208.2	370.0	552.8	742.0
20°	0.0	6.3	11.2	18.7	29.1	48.2	106.3	226.4	396.3	582.0	783.4
17.5°	0.0	6.4	11.3	19.0	29.7	49.9	113.2	242.4	419.8	608.0	820.2
15°	0.0	6.5	11.5	19.3	30.3	51.3	119.2	256.5	440.2	630.6	852.4
12.5°	0.0	6.5	11.6	19.6	30.8	52.6	124.4	268.4	457.6	649.8	879.8
10°	0.0	6.6	11.6	19.8	31.2	53.6	128.6	278.2	471.9	665.7	902.3
7.5°	0.0	6.6	11.7	20.0	31.5	54.4	131.9	285.8	483.0	678.0	919.9
5°	0.0	6.7	11.8	20.1	31.7	54.9	134.2	291.3	491.0	686.9	932.5
2.5°	0.0	6.7	11.8	20.2	31.9	55.3	135.6	294.6	495.8	692.2	940.1
0°	0.0	6.7	11.8	20.2	31.9	55.4	136.1	295.7	497.4	694.0	942.6
-2.5°	0.0	6.7	11.8	20.2	31.9	55.3	135.6	294.6	495.8	692.2	940.1
-5°	0.0	6.7	11.8	20.1	31.7	54.9	134.2	291.3	491.0	686.9	932.5
-7.5°	0.0	6.6	11.7	20.0	31.5	54.4	131.9	285.8	483.0	678.0	919.9
-10°	0.0	6.6	11.6	19.8	31.2	53.6	128.6	278.2	471.9	665.7	902.3
-12.5°	0.0	6.5	11.6	19.6	30.8	52.6	124.4	268.4	457.6	649.8	879.8
-15°	0.0	6.5	11.5	19.3	30.3	51.3	119.2	256.5	440.2	630.6	852.4
-17.5°	0.0	6.4	11.3	19.0	29.7	49.9	113.2	242.4	419.8	608.0	820.2
-20°	0.0	6.3	11.2	18.7	29.1	48.2	106.3	226.4	396.3	582.0	783.4



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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	6.2	11.0	18.3	28.3	46.3	98.5	208.2	370.0	552.8	742.0
-25°	0.0	6.1	10.8	17.8	27.5	44.2	89.8	188.1	340.7	520.5	696.1
-27.5°	0.0	5.9	10.6	17.3	26.6	41.9	80.3	166.1	308.6	484.7	655.9
-30°	0.0	5.8	10.4	16.8	25.6	39.5	70.0	142.2	278.4	445.3	612.9
-32.5°	0.0	5.7	10.2	16.2	24.5	36.8	58.9	126.1	248.8	403.0	566.7
-35°	0.0	5.5	10.0	15.6	23.4	33.9	53.0	112.2	217.2	357.7	517.4
-37.5°	0.0	5.3	9.7	15.0	22.2	31.4	49.3	97.4	183.6	309.8	464.3
-40°	0.0	5.1	9.4	14.3	20.9	29.8	45.4	81.8	148.2	266.8	407.8
-42.5°	0.0	4.9	9.1	13.6	19.7	28.1	41.3	65.4	123.4	224.7	348.5
-45°	0.0	4.7	8.8	12.8	18.7	26.3	37.0	53.3	103.7	180.8	288.5
-47.5°	0.0	4.5	8.5	12.0	17.6	24.5	32.6	48.1	83.2	135.6	237.6
-50°	0.0	4.3	8.2	11.4	16.5	22.5	29.9	42.7	61.9	111.6	184.8
-52.5°	0.0	4.1	7.8	10.9	15.4	20.5	27.5	37.1	50.9	86.8	133.1
-55°	0.0	3.8	7.4	10.4	14.2	19.0	25.1	31.6	44.2	61.2	104.7
-57.5°	0.0	3.6	7.1	9.8	13.0	17.4	22.5	28.6	37.4	49.4	75.6
-60°	0.0	3.3	6.7	9.2	11.8	15.9	20.0	25.6	31.2	41.6	52.6
-62.5°	0.0	3.1	6.2	8.6	11.0	14.3	18.1	22.5	27.6	33.6	43.7
-65°	0.0	2.8	5.7	8.1	10.2	12.6	16.1	19.5	24.0	28.7	34.6
-67.5°	0.0	2.6	5.1	7.4	9.4	11.3	14.1	17.2	20.3	24.5	28.7
-70°	0.0	2.3	4.6	6.8	8.5	10.3	12.1	14.8	17.6	20.3	24.0
-72.5°	0.0	2.0	4.0	6.0	7.7	9.2	10.7	12.4	14.8	17.2	19.5
-75°	0.0	1.7	3.5	5.2	6.9	8.2	9.4	10.7	12.1	14.1	16.1
-77.5°	0.0	1.4	2.9	4.3	5.8	7.1	8.2	9.2	10.3	11.3	12.6
-80°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	7.7	8.5	9.4	10.2
-82.5°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	6.8	7.4	8.1
-85°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.7
-87.5°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	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



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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°	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7	4.9	5.1	5.3
85°	6.2	6.7	7.1	7.4	7.8	8.2	8.5	8.8	9.1	9.4	9.7
82.5°	8.6	9.2	9.8	10.4	10.9	11.4	12.0	12.8	13.6	14.3	15.0
80°	11.0	11.8	13.0	14.2	15.4	16.5	17.6	18.7	19.7	20.9	22.2
77.5°	14.3	15.9	17.4	19.0	20.5	22.5	24.5	26.3	28.1	29.8	31.4
75°	18.1	20.0	22.5	25.1	27.5	29.9	32.6	37.0	41.3	45.4	49.3
72.5°	22.5	25.6	28.6	31.6	37.1	42.7	48.1	53.3	65.4	81.8	97.4
70°	27.6	31.2	37.4	44.2	50.9	61.9	83.2	103.7	123.4	148.2	183.6
67.5°	33.6	41.6	49.4	61.2	86.8	111.6	135.6	180.8	224.7	266.8	309.8
65°	43.7	52.6	75.6	104.7	133.1	184.8	237.6	288.5	348.5	407.8	464.3
62.5°	53.6	82.8	115.6	159.0	220.7	280.8	350.3	421.3	489.6	553.6	614.5
60°	82.8	119.2	173.4	242.4	313.5	396.3	476.6	552.8	625.7	696.1	780.6
57.5°	115.6	173.4	249.7	332.0	424.1	513.5	598.4	680.6	777.2	873.5	966.0
55°	159.0	242.4	332.0	433.5	531.7	626.0	723.8	835.9	944.3	1050.7	1152.6
52.5°	220.7	313.5	424.1	531.7	635.2	747.3	871.5	993.0	1112.0	1225.7	1332.7
50°	280.8	396.3	513.5	626.0	747.3	883.4	1017.6	1149.1	1274.3	1393.9	1524.3
47.5°	350.3	476.6	598.4	723.8	871.5	1017.6	1161.5	1298.8	1431.0	1586.1	1738.3
45°	421.3	552.8	680.6	835.9	993.0	1149.1	1298.8	1443.4	1617.3	1787.2	1956.5
42.5°	489.6	625.7	777.2	944.3	1112.0	1274.3	1431.0	1617.3	1803.8	1990.2	2153.1
40°	553.6	696.1	873.5	1050.7	1225.7	1393.9	1586.1	1787.2	1990.2	2167.4	2326.1
37.5°	614.5	780.6	966.0	1152.6	1332.7	1524.3	1738.3	1956.5	2153.1	2326.1	2466.5
35°	672.4	860.9	1055.5	1248.2	1434.7	1660.2	1889.8	2110.5	2297.0	2454.2	2840.9
32.5°	735.7	936.8	1140.2	1337.7	1552.5	1791.1	2034.6	2239.4	2417.4	2686.8	3631.1
30°	800.5	1009.5	1219.2	1422.1	1665.6	1918.5	2154.3	2356.9	2525.8	3395.3	4300.6
27.5°	860.9	1077.4	1291.5	1514.6	1772.5	2037.9	2261.3	2452.3	3007.8	4036.6	4890.4
25°	916.7	1140.2	1358.5	1605.0	1875.0	2135.4	2356.4	2541.3	3593.4	4554.4	5189.7
22.5°	968.2	1197.6	1419.9	1688.0	1969.3	2220.4	2432.6	2979.6	4094.4	5021.5	5401.3
20°	1015.2	1248.2	1483.1	1763.8	2054.8	2297.6	2501.9	3438.6	4502.8	5202.1	5603.7
17.5°	1057.1	1293.3	1544.4	1833.9	2120.6	2361.1	2615.9	3850.9	4870.4	5364.9	5790.6
15°	1093.7	1332.7	1598.1	1895.3	2176.4	2411.4	2950.5	4159.1	5087.1	5511.5	5957.4
12.5°	1124.9	1366.2	1643.9	1947.7	2224.0	2454.5	3237.3	4415.8	5201.4	5643.4	6132.9
10°	1150.5	1393.9	1681.6	1990.9	2263.3	2490.0	3474.3	4628.5	5296.2	5752.9	6278.9
7.5°	1170.5	1415.5	1711.1	2024.7	2294.1	2517.9	3660.3	4795.4	5370.7	5839.2	6394.2
5°	1184.9	1431.0	1732.2	2048.9	2316.2	2537.9	3794.1	4915.6	5424.5	5901.4	6477.5
2.5°	1193.5	1440.3	1745.0	2063.5	2329.5	2550.0	3874.7	4988.1	5456.9	5939.0	6527.9
0°	<b>1196.4</b>	<b>1443.4</b>	<b>1749.2</b>	<b>2068.4</b>	<b>2333.9</b>	<b>2554.0</b>	<b>3901.6</b>	<b>5012.3</b>	<b>5467.7</b>	<b>5951.6</b>	<b>6544.7</b>
-2.5°	1193.5	1440.3	1745.0	2063.5	2329.5	2550.0	3874.7	4988.1	5456.9	5939.0	6527.9
-5°	1184.9	1431.0	1732.2	2048.9	2316.2	2537.9	3794.1	4915.6	5424.5	5901.4	6477.5
-7.5°	1170.5	1415.5	1711.1	2024.7	2294.1	2517.9	3660.3	4795.4	5370.7	5839.2	6394.2
-10°	1150.5	1393.9	1681.6	1990.9	2263.3	2490.0	3474.3	4628.5	5296.2	5752.9	6278.9
-12.5°	1124.9	1366.2	1643.9	1947.7	2224.0	2454.5	3237.3	4415.8	5201.4	5643.4	6132.9
-15°	1093.7	1332.7	1598.1	1895.3	2176.4	2411.4	2950.5	4159.1	5087.1	5511.5	5957.4
-17.5°	1057.1	1293.3	1544.4	1833.9	2120.6	2361.1	2615.9	3850.9	4870.4	5364.9	5790.6
-20°	1015.2	1248.2	1483.1	1763.8	2054.8	2297.6	2501.9	3438.6	4502.8	5202.1	5603.7



REPORT NUMBER: P1305961 (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°	968.2	1197.6	1419.9	1688.0	1969.3	2220.4	2432.6	2979.6	4094.4	5021.5	5401.3
-25°	916.7	1140.2	1358.5	1605.0	1875.0	2135.4	2356.4	2541.3	3593.4	4554.4	5189.7
-27.5°	860.9	1077.4	1291.5	1514.6	1772.5	2037.9	2261.3	2452.3	3007.8	4036.6	4890.4
-30°	800.5	1009.5	1219.2	1422.1	1665.6	1918.5	2154.3	2356.9	2525.8	3395.3	4300.6
-32.5°	735.7	936.8	1140.2	1337.7	1552.5	1791.1	2034.6	2239.4	2417.4	2686.8	3631.1
-35°	672.4	860.9	1055.5	1248.2	1434.7	1660.2	1889.8	2110.5	2297.0	2454.2	2840.9
-37.5°	614.5	780.6	966.0	1152.6	1332.7	1524.3	1738.3	1956.5	2153.1	2326.1	2466.5
-40°	553.6	696.1	873.5	1050.7	1225.7	1393.9	1586.1	1787.2	1990.2	2167.4	2326.1
-42.5°	489.6	625.7	777.2	944.3	1112.0	1274.3	1431.0	1617.3	1803.8	1990.2	2153.1
-45°	421.3	552.8	680.6	835.9	993.0	1149.1	1298.8	1443.4	1617.3	1787.2	1956.5
-47.5°	350.3	476.6	598.4	723.8	871.5	1017.6	1161.5	1298.8	1431.0	1586.1	1738.3
-50°	280.8	396.3	513.5	626.0	747.3	883.4	1017.6	1149.1	1274.3	1393.9	1524.3
-52.5°	220.7	313.5	424.1	531.7	635.2	747.3	871.5	993.0	1112.0	1225.7	1332.7
-55°	159.0	242.4	332.0	433.5	531.7	626.0	723.8	835.9	944.3	1050.7	1152.6
-57.5°	115.6	173.4	249.7	332.0	424.1	513.5	598.4	680.6	777.2	873.5	966.0
-60°	82.8	119.2	173.4	242.4	313.5	396.3	476.6	552.8	625.7	696.1	780.6
-62.5°	53.6	82.8	115.6	159.0	220.7	280.8	350.3	421.3	489.6	553.6	614.5
-65°	43.7	52.6	75.6	104.7	133.1	184.8	237.6	288.5	348.5	407.8	464.3
-67.5°	33.6	41.6	49.4	61.2	86.8	111.6	135.6	180.8	224.7	266.8	309.8
-70°	27.6	31.2	37.4	44.2	50.9	61.9	83.2	103.7	123.4	148.2	183.6
-72.5°	22.5	25.6	28.6	31.6	37.1	42.7	48.1	53.3	65.4	81.8	97.4
-75°	18.1	20.0	22.5	25.1	27.5	29.9	32.6	37.0	41.3	45.4	49.3
-77.5°	14.3	15.9	17.4	19.0	20.5	22.5	24.5	26.3	28.1	29.8	31.4
-80°	11.0	11.8	13.0	14.2	15.4	16.5	17.6	18.7	19.7	20.9	22.2
-82.5°	8.6	9.2	9.8	10.4	10.9	11.4	12.0	12.8	13.6	14.3	15.0
-85°	6.2	6.7	7.1	7.4	7.8	8.2	8.5	8.8	9.1	9.4	9.7
-87.5°	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7	4.9	5.1	5.3
-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°	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.5	6.6
85°	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.3	11.5	11.6	11.6
82.5°	15.6	16.2	16.8	17.3	17.8	18.3	18.7	19.0	19.3	19.6	19.8
80°	23.4	24.5	25.6	26.6	27.5	28.3	29.1	29.7	30.3	30.8	31.2
77.5°	33.9	36.8	39.5	41.9	44.2	46.3	48.2	49.9	51.3	52.6	53.6
75°	53.0	58.9	70.0	80.3	89.8	98.5	106.3	113.2	119.2	124.4	128.6
72.5°	112.2	126.1	142.2	166.1	188.1	208.2	226.4	242.4	256.5	268.4	278.2
70°	217.2	248.8	278.4	308.6	340.7	370.0	396.3	419.8	440.2	457.6	471.9
67.5°	357.7	403.0	445.3	484.7	520.5	552.8	582.0	608.0	630.6	649.8	665.7
65°	517.4	566.7	612.9	655.9	696.1	742.0	783.4	820.2	852.4	879.8	902.3
62.5°	672.4	735.7	800.5	860.9	916.7	968.2	1015.2	1057.1	1093.7	1124.9	1150.5
60°	860.9	936.8	1009.5	1077.4	1140.2	1197.6	1248.2	1293.3	1332.7	1366.2	1393.9
57.5°	1055.5	1140.2	1219.2	1291.5	1358.5	1419.9	1483.1	1544.4	1598.1	1643.9	1681.6
55°	1248.2	1337.7	1422.1	1514.6	1605.0	1688.0	1763.8	1833.9	1895.3	1947.7	1990.9
52.5°	1434.7	1552.5	1665.6	1772.5	1875.0	1969.3	2054.8	2120.6	2176.4	2224.0	2263.3
50°	1660.2	1791.1	1918.5	2037.9	2135.4	2220.4	2297.6	2361.1	2411.4	2454.5	2490.0
47.5°	1889.8	2034.6	2154.3	2261.3	2356.4	2432.6	2501.9	2615.9	2950.5	3237.3	3474.3
45°	2110.5	2239.4	2356.9	2452.3	2541.3	2979.6	3438.6	3850.9	4159.1	4415.8	4628.5
42.5°	2297.0	2417.4	2525.8	3007.8	3593.4	4094.4	4502.8	4870.4	5087.1	5201.4	5296.2
40°	2454.2	2686.8	3395.3	4036.6	4554.4	5021.5	5202.1	5364.9	5511.5	5643.4	5752.9
37.5°	2840.9	3631.1	4300.6	4890.4	5189.7	5401.3	5603.7	5790.6	5957.4	6132.9	6278.9
35°	3710.3	4434.2	5046.3	5304.1	5552.2	5793.4	6030.3	6277.6	6497.6	6735.4	6946.8
32.5°	4434.2	5074.5	5362.0	5646.9	5922.8	6233.1	6526.3	6875.1	7191.9	7572.5	7983.6
30°	5046.3	5362.0	5678.8	5996.7	6357.3	6746.4	7165.3	7717.3	8329.6	8935.2	9637.2
27.5°	5304.1	5646.9	5996.7	6399.1	6861.4	7351.8	8154.1	8978.6	10017.0	10927.8	13118.2
25°	5552.2	5922.8	6357.3	6861.4	7459.0	8376.8	9520.2	10765.0	13678.2	16522.4	21273.6
22.5°	5793.4	6233.1	6746.4	7351.8	8376.8	9703.3	11548.2	15388.6	21169.3	28467.6	36446.6
20°	6030.3	6526.3	7165.3	8154.1	9520.2	11548.2	15968.7	24027.0	33630.6	46536.7	58450.4
17.5°	6277.6	6875.1	7717.3	8978.6	10765.0	15388.6	24027.0	36097.5	51767.8	69643.2	86405.3
15°	6497.6	7191.9	8329.6	10017.0	13678.2	21169.3	33630.6	51767.8	73482.3	95642.4	117022.5
12.5°	6735.4	7572.5	8935.2	10927.8	16522.4	28467.6	46536.7	69643.2	95642.4	122215.2	145222.1
10°	6946.8	7983.6	9637.2	13118.2	21273.6	36446.6	58450.4	86405.3	117022.5	145222.1	172668.1
7.5°	7114.0	8309.6	10196.0	14874.8	25820.8	44582.0	70734.3	102047.1	134455.5	165708.8	200801.9
5°	7235.0	8546.1	10602.3	16156.7	29153.9	50579.7	79860.6	113895.7	147513.0	183945.6	224086.0
2.5°	7308.3	8689.5	10849.1	16937.2	31190.0	54259.2	85492.0	121267.0	155734.3	196183.6	241175.9
0°	7332.8	8737.5	10931.9	17199.4	31875.0	55499.9	87396.8	123771.6	158546.8	200404.5	247326.4
-2.5°	7308.3	8689.5	10849.1	16937.2	31190.0	54259.2	85492.0	121267.0	155734.3	196183.6	241175.9
-5°	7235.0	8546.1	10602.3	16156.7	29153.9	50579.7	79860.6	113895.7	147513.0	183945.6	224086.0
-7.5°	7114.0	8309.6	10196.0	14874.8	25820.8	44582.0	70734.3	102047.1	134455.5	165708.8	200801.9
-10°	6946.8	7983.6	9637.2	13118.2	21273.6	36446.6	58450.4	86405.3	117022.5	145222.1	172668.1
-12.5°	6735.4	7572.5	8935.2	10927.8	16522.4	28467.6	46536.7	69643.2	95642.4	122215.2	145222.1
-15°	6497.6	7191.9	8329.6	10017.0	13678.2	21169.3	33630.6	51767.8	73482.3	95642.4	117022.5
-17.5°	6277.6	6875.1	7717.3	8978.6	10765.0	15388.6	24027.0	36097.5	51767.8	69643.2	86405.3
-20°	6030.3	6526.3	7165.3	8154.1	9520.2	11548.2	15968.7	24027.0	33630.6	46536.7	58450.4



REPORT NUMBER: P1305961 (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°	5793.4	6233.1	6746.4	7351.8	8376.8	9703.3	11548.2	15388.6	21169.3	28467.6	36446.6
-25°	5552.2	5922.8	6357.3	6861.4	7459.0	8376.8	9520.2	10765.0	13678.2	16522.4	21273.6
-27.5°	5304.1	5646.9	5996.7	6399.1	6861.4	7351.8	8154.1	8978.6	10017.0	10927.8	13118.2
-30°	5046.3	5362.0	5678.8	5996.7	6357.3	6746.4	7165.3	7717.3	8329.6	8935.2	9637.2
-32.5°	4434.2	5074.5	5362.0	5646.9	5922.8	6233.1	6526.3	6875.1	7191.9	7572.5	7983.6
-35°	3710.3	4434.2	5046.3	5304.1	5552.2	5793.4	6030.3	6277.6	6497.6	6735.4	6946.8
-37.5°	2840.9	3631.1	4300.6	4890.4	5189.7	5401.3	5603.7	5790.6	5957.4	6132.9	6278.9
-40°	2454.2	2686.8	3395.3	4036.6	4554.4	5021.5	5202.1	5364.9	5511.5	5643.4	5752.9
-42.5°	2297.0	2417.4	2525.8	3007.8	3593.4	4094.4	4502.8	4870.4	5087.1	5201.4	5296.2
-45°	2110.5	2239.4	2356.9	2452.3	2541.3	2979.6	3438.6	3850.9	4159.1	4415.8	4628.5
-47.5°	1889.8	2034.6	2154.3	2261.3	2356.4	2432.6	2501.9	2615.9	2950.5	3237.3	3474.3
-50°	1660.2	1791.1	1918.5	2037.9	2135.4	2220.4	2297.6	2361.1	2411.4	2454.5	2490.0
-52.5°	1434.7	1552.5	1665.6	1772.5	1875.0	1969.3	2054.8	2120.6	2176.4	2224.0	2263.3
-55°	1248.2	1337.7	1422.1	1514.6	1605.0	1688.0	1763.8	1833.9	1895.3	1947.7	1990.9
-57.5°	1055.5	1140.2	1219.2	1291.5	1358.5	1419.9	1483.1	1544.4	1598.1	1643.9	1681.6
-60°	860.9	936.8	1009.5	1077.4	1140.2	1197.6	1248.2	1293.3	1332.7	1366.2	1393.9
-62.5°	672.4	735.7	800.5	860.9	916.7	968.2	1015.2	1057.1	1093.7	1124.9	1150.5
-65°	517.4	566.7	612.9	655.9	696.1	742.0	783.4	820.2	852.4	879.8	902.3
-67.5°	357.7	403.0	445.3	484.7	520.5	552.8	582.0	608.0	630.6	649.8	665.7
-70°	217.2	248.8	278.4	308.6	340.7	370.0	396.3	419.8	440.2	457.6	471.9
-72.5°	112.2	126.1	142.2	166.1	188.1	208.2	226.4	242.4	256.5	268.4	278.2
-75°	53.0	58.9	70.0	80.3	89.8	98.5	106.3	113.2	119.2	124.4	128.6
-77.5°	33.9	36.8	39.5	41.9	44.2	46.3	48.2	49.9	51.3	52.6	53.6
-80°	23.4	24.5	25.6	26.6	27.5	28.3	29.1	29.7	30.3	30.8	31.2
-82.5°	15.6	16.2	16.8	17.3	17.8	18.3	18.7	19.0	19.3	19.6	19.8
-85°	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.3	11.5	11.6	11.6
-87.5°	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.5	6.6
-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: P1305961 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680N-40-80-3S-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°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.4
85°	11.7	11.8	11.8	11.8	11.8	11.8	11.7	11.6	11.6	11.5	11.3
82.5°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.8	19.6	19.3	19.0
80°	31.5	31.7	31.9	31.9	31.9	31.7	31.5	31.2	30.8	30.3	29.7
77.5°	54.4	54.9	55.3	55.4	55.3	54.9	54.4	53.6	52.6	51.3	49.9
75°	131.9	134.2	135.6	136.1	135.6	134.2	131.9	128.6	124.4	119.2	113.2
72.5°	285.8	291.3	294.6	295.7	294.6	291.3	285.8	278.2	268.4	256.5	242.4
70°	483.0	491.0	495.8	497.4	495.8	491.0	483.0	471.9	457.6	440.2	419.8
67.5°	678.0	686.9	692.2	694.0	692.2	686.9	678.0	665.7	649.8	630.6	608.0
65°	919.9	932.5	940.1	942.6	940.1	932.5	919.9	902.3	879.8	852.4	820.2
62.5°	1170.5	1184.9	1193.5	1196.4	1193.5	1184.9	1170.5	1150.5	1124.9	1093.7	1057.1
60°	1415.5	1431.0	1440.3	1443.4	1440.3	1431.0	1415.5	1393.9	1366.2	1332.7	1293.3
57.5°	1711.1	1732.2	1745.0	1749.2	1745.0	1732.2	1711.1	1681.6	1643.9	1598.1	1544.4
55°	2024.7	2048.9	2063.5	2068.4	2063.5	2048.9	2024.7	1990.9	1947.7	1895.3	1833.9
52.5°	2294.1	2316.2	2329.5	2333.9	2329.5	2316.2	2294.1	2263.3	2224.0	2176.4	2120.6
50°	2517.9	2537.9	2550.0	2554.0	2550.0	2537.9	2517.9	2490.0	2454.5	2411.4	2361.1
47.5°	3660.3	3794.1	3874.7	3901.6	3874.7	3794.1	3660.3	3474.3	3237.3	2950.5	2615.9
45°	4795.4	4915.6	4988.1	5012.3	4988.1	4915.6	4795.4	4628.5	4415.8	4159.1	3850.9
42.5°	5370.7	5424.5	5456.9	5467.7	5456.9	5424.5	5370.7	5296.2	5201.4	5087.1	4870.4
40°	5839.2	5901.4	5939.0	5951.6	5939.0	5901.4	5839.2	5752.9	5643.4	5511.5	5364.9
37.5°	6394.2	6477.5	6527.9	6544.7	6527.9	6477.5	6394.2	6278.9	6132.9	5957.4	5790.6
35°	7114.0	7235.0	7308.3	7332.8	7308.3	7235.0	7114.0	6946.8	6735.4	6497.6	6277.6
32.5°	8309.6	8546.1	8689.5	8737.5	8689.5	8546.1	8309.6	7983.6	7572.5	7191.9	6875.1
30°	10196.0	10602.3	10849.1	10931.9	10849.1	10602.3	10196.0	9637.2	8935.2	8329.6	7717.3
27.5°	14874.8	16156.7	16937.2	17199.4	16937.2	16156.7	14874.8	13118.2	10927.8	10017.0	8978.6
25°	25820.8	29153.9	31190.0	31875.0	31190.0	29153.9	25820.8	21273.6	16522.4	13678.2	10765.0
22.5°	44582.0	50579.7	54259.2	55499.9	54259.2	50579.7	44582.0	36446.6	28467.6	21169.3	15388.6
20°	70734.3	79860.6	85492.0	87396.8	85492.0	79860.6	70734.3	58450.4	46536.7	33630.6	24027.0
17.5°	102047.1	113895.7	121267.0	123771.6	121267.0	113895.7	102047.1	86405.3	69643.2	51767.8	36097.5
15°	134455.5	147513.0	155734.3	158546.8	155734.3	147513.0	134455.5	117022.5	95642.4	73482.3	51767.8
12.5°	165708.8	183945.6	196183.6	200404.5	196183.6	183945.6	165708.8	145222.1	122215.2	95642.4	69643.2
10°	200801.9	224086.0	241175.9	247326.4	241175.9	224086.0	200801.9	172668.1	145222.1	117022.5	86405.3
7.5°	235387.6	266820.6	284207.7	289369.8	284207.7	266820.6	235387.6	200801.9	165708.8	134455.5	102047.1
5°	266820.6	294915.6	310997.4	316561.0	310997.4	294915.6	266820.6	224086.0	183945.6	147513.0	113895.7
2.5°	284207.7	310997.4	333320.3	348468.0	333320.3	310997.4	284207.7	241175.9	196183.6	155734.3	121267.0
0°	289369.8	316561.0	348468.0	369723.6	348468.0	316561.0	289369.8	247326.4	200404.5	158546.8	123771.6
-2.5°	284207.7	310997.4	333320.3	348468.0	333320.3	310997.4	284207.7	241175.9	196183.6	155734.3	121267.0
-5°	266820.6	294915.6	310997.4	316561.0	310997.4	294915.6	266820.6	224086.0	183945.6	147513.0	113895.7
-7.5°	235387.6	266820.6	284207.7	289369.8	284207.7	266820.6	235387.6	200801.9	165708.8	134455.5	102047.1
-10°	200801.9	224086.0	241175.9	247326.4	241175.9	224086.0	200801.9	172668.1	145222.1	117022.5	86405.3
-12.5°	165708.8	183945.6	196183.6	200404.5	196183.6	183945.6	165708.8	145222.1	122215.2	95642.4	69643.2
-15°	134455.5	147513.0	155734.3	158546.8	155734.3	147513.0	134455.5	117022.5	95642.4	73482.3	51767.8
-17.5°	102047.1	113895.7	121267.0	123771.6	121267.0	113895.7	102047.1	86405.3	69643.2	51767.8	36097.5
-20°	70734.3	79860.6	85492.0	87396.8	85492.0	79860.6	70734.3	58450.4	46536.7	33630.6	24027.0



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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°	44582.0	50579.7	54259.2	55499.9	54259.2	50579.7	44582.0	36446.6	28467.6	21169.3	15388.6
-25°	25820.8	29153.9	31190.0	31875.0	31190.0	29153.9	25820.8	21273.6	16522.4	13678.2	10765.0
-27.5°	14874.8	16156.7	16937.2	17199.4	16937.2	16156.7	14874.8	13118.2	10927.8	10017.0	8978.6
-30°	10196.0	10602.3	10849.1	10931.9	10849.1	10602.3	10196.0	9637.2	8935.2	8329.6	7717.3
-32.5°	8309.6	8546.1	8689.5	8737.5	8689.5	8546.1	8309.6	7983.6	7572.5	7191.9	6875.1
-35°	7114.0	7235.0	7308.3	7332.8	7308.3	7235.0	7114.0	6946.8	6735.4	6497.6	6277.6
-37.5°	6394.2	6477.5	6527.9	6544.7	6527.9	6477.5	6394.2	6278.9	6132.9	5957.4	5790.6
-40°	5839.2	5901.4	5939.0	5951.6	5939.0	5901.4	5839.2	5752.9	5643.4	5511.5	5364.9
-42.5°	5370.7	5424.5	5456.9	5467.7	5456.9	5424.5	5370.7	5296.2	5201.4	5087.1	4870.4
-45°	4795.4	4915.6	4988.1	5012.3	4988.1	4915.6	4795.4	4628.5	4415.8	4159.1	3850.9
-47.5°	3660.3	3794.1	3874.7	3901.6	3874.7	3794.1	3660.3	3474.3	3237.3	2950.5	2615.9
-50°	2517.9	2537.9	2550.0	2554.0	2550.0	2537.9	2517.9	2490.0	2454.5	2411.4	2361.1
-52.5°	2294.1	2316.2	2329.5	2333.9	2329.5	2316.2	2294.1	2263.3	2224.0	2176.4	2120.6
-55°	2024.7	2048.9	2063.5	2068.4	2063.5	2048.9	2024.7	1990.9	1947.7	1895.3	1833.9
-57.5°	1711.1	1732.2	1745.0	1749.2	1745.0	1732.2	1711.1	1681.6	1643.9	1598.1	1544.4
-60°	1415.5	1431.0	1440.3	1443.4	1440.3	1431.0	1415.5	1393.9	1366.2	1332.7	1293.3
-62.5°	1170.5	1184.9	1193.5	1196.4	1193.5	1184.9	1170.5	1150.5	1124.9	1093.7	1057.1
-65°	919.9	932.5	940.1	942.6	940.1	932.5	919.9	902.3	879.8	852.4	820.2
-67.5°	678.0	686.9	692.2	694.0	692.2	686.9	678.0	665.7	649.8	630.6	608.0
-70°	483.0	491.0	495.8	497.4	495.8	491.0	483.0	471.9	457.6	440.2	419.8
-72.5°	285.8	291.3	294.6	295.7	294.6	291.3	285.8	278.2	268.4	256.5	242.4
-75°	131.9	134.2	135.6	136.1	135.6	134.2	131.9	128.6	124.4	119.2	113.2
-77.5°	54.4	54.9	55.3	55.4	55.3	54.9	54.4	53.6	52.6	51.3	49.9
-80°	31.5	31.7	31.9	31.9	31.9	31.7	31.5	31.2	30.8	30.3	29.7
-82.5°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.8	19.6	19.3	19.0
-85°	11.7	11.8	11.8	11.8	11.8	11.8	11.7	11.6	11.6	11.5	11.3
-87.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.4
-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°	6.3	6.2	6.1	5.9	5.8	5.7	5.5	5.3	5.1	4.9	4.7
85°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7	9.4	9.1	8.8
82.5°	18.7	18.3	17.8	17.3	16.8	16.2	15.6	15.0	14.3	13.6	12.8
80°	29.1	28.3	27.5	26.6	25.6	24.5	23.4	22.2	20.9	19.7	18.7
77.5°	48.2	46.3	44.2	41.9	39.5	36.8	33.9	31.4	29.8	28.1	26.3
75°	106.3	98.5	89.8	80.3	70.0	58.9	53.0	49.3	45.4	41.3	37.0
72.5°	226.4	208.2	188.1	166.1	142.2	126.1	112.2	97.4	81.8	65.4	53.3
70°	396.3	370.0	340.7	308.6	278.4	248.8	217.2	183.6	148.2	123.4	103.7
67.5°	582.0	552.8	520.5	484.7	445.3	403.0	357.7	309.8	266.8	224.7	180.8
65°	783.4	742.0	696.1	655.9	612.9	566.7	517.4	464.3	407.8	348.5	288.5
62.5°	1015.2	968.2	916.7	860.9	800.5	735.7	672.4	614.5	553.6	489.6	421.3
60°	1248.2	1197.6	1140.2	1077.4	1009.5	936.8	860.9	780.6	696.1	625.7	552.8
57.5°	1483.1	1419.9	1358.5	1291.5	1219.2	1140.2	1055.5	966.0	873.5	777.2	680.6
55°	1763.8	1688.0	1605.0	1514.6	1422.1	1337.7	1248.2	1152.6	1050.7	944.3	835.9
52.5°	2054.8	1969.3	1875.0	1772.5	1665.6	1552.5	1434.7	1332.7	1225.7	1112.0	993.0
50°	2297.6	2220.4	2135.4	2037.9	1918.5	1791.1	1660.2	1524.3	1393.9	1274.3	1149.1
47.5°	2501.9	2432.6	2356.4	2261.3	2154.3	2034.6	1889.8	1738.3	1586.1	1431.0	1298.8
45°	3438.6	2979.6	2541.3	2452.3	2356.9	2239.4	2110.5	1956.5	1787.2	1617.3	1443.4
42.5°	4502.8	4094.4	3593.4	3007.8	2525.8	2417.4	2297.0	2153.1	1990.2	1803.8	1617.3
40°	5202.1	5021.5	4554.4	4036.6	3395.3	2686.8	2454.2	2326.1	2167.4	1990.2	1787.2
37.5°	5603.7	5401.3	5189.7	4890.4	4300.6	3631.1	2840.9	2466.5	2326.1	2153.1	1956.5
35°	6030.3	5793.4	5552.2	5304.1	5046.3	4434.2	3710.3	2840.9	2454.2	2297.0	2110.5
32.5°	6526.3	6233.1	5922.8	5646.9	5362.0	5074.5	4434.2	3631.1	2686.8	2417.4	2239.4
30°	7165.3	6746.4	6357.3	5996.7	5678.8	5362.0	5046.3	4300.6	3395.3	2525.8	2356.9
27.5°	8154.1	7351.8	6861.4	6399.1	5996.7	5646.9	5304.1	4890.4	4036.6	3007.8	2452.3
25°	9520.2	8376.8	7459.0	6861.4	6357.3	5922.8	5552.2	5189.7	4554.4	3593.4	2541.3
22.5°	11548.2	9703.3	8376.8	7351.8	6746.4	6233.1	5793.4	5401.3	5021.5	4094.4	2979.6
20°	15968.7	11548.2	9520.2	8154.1	7165.3	6526.3	6030.3	5603.7	5202.1	4502.8	3438.6
17.5°	24027.0	15388.6	10765.0	8978.6	7717.3	6875.1	6277.6	5790.6	5364.9	4870.4	3850.9
15°	33630.6	21169.3	13678.2	10017.0	8329.6	7191.9	6497.6	5957.4	5511.5	5087.1	4159.1
12.5°	46536.7	28467.6	16522.4	10927.8	8935.2	7572.5	6735.4	6132.9	5643.4	5201.4	4415.8
10°	58450.4	36446.6	21273.6	13118.2	9637.2	7983.6	6946.8	6278.9	5752.9	5296.2	4628.5
7.5°	70734.3	44582.0	25820.8	14874.8	10196.0	8309.6	7114.0	6394.2	5839.2	5370.7	4795.4
5°	79860.6	50579.7	29153.9	16156.7	10602.3	8546.1	7235.0	6477.5	5901.4	5424.5	4915.6
2.5°	85492.0	54259.2	31190.0	16937.2	10849.1	8689.5	7308.3	6527.9	5939.0	5456.9	4988.1
0°	87396.8	55499.9	31875.0	17199.4	10931.9	8737.5	7332.8	6544.7	5951.6	5467.7	5012.3
-2.5°	85492.0	54259.2	31190.0	16937.2	10849.1	8689.5	7308.3	6527.9	5939.0	5456.9	4988.1
-5°	79860.6	50579.7	29153.9	16156.7	10602.3	8546.1	7235.0	6477.5	5901.4	5424.5	4915.6
-7.5°	70734.3	44582.0	25820.8	14874.8	10196.0	8309.6	7114.0	6394.2	5839.2	5370.7	4795.4
-10°	58450.4	36446.6	21273.6	13118.2	9637.2	7983.6	6946.8	6278.9	5752.9	5296.2	4628.5
-12.5°	46536.7	28467.6	16522.4	10927.8	8935.2	7572.5	6735.4	6132.9	5643.4	5201.4	4415.8
-15°	33630.6	21169.3	13678.2	10017.0	8329.6	7191.9	6497.6	5957.4	5511.5	5087.1	4159.1
-17.5°	24027.0	15388.6	10765.0	8978.6	7717.3	6875.1	6277.6	5790.6	5364.9	4870.4	3850.9
-20°	15968.7	11548.2	9520.2	8154.1	7165.3	6526.3	6030.3	5603.7	5202.1	4502.8	3438.6



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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°	11548.2	9703.3	8376.8	7351.8	6746.4	6233.1	5793.4	5401.3	5021.5	4094.4	2979.6
-25°	9520.2	8376.8	7459.0	6861.4	6357.3	5922.8	5552.2	5189.7	4554.4	3593.4	2541.3
-27.5°	8154.1	7351.8	6861.4	6399.1	5996.7	5646.9	5304.1	4890.4	4036.6	3007.8	2452.3
-30°	7165.3	6746.4	6357.3	5996.7	5678.8	5362.0	5046.3	4300.6	3395.3	2525.8	2356.9
-32.5°	6526.3	6233.1	5922.8	5646.9	5362.0	5074.5	4434.2	3631.1	2686.8	2417.4	2239.4
-35°	6030.3	5793.4	5552.2	5304.1	5046.3	4434.2	3710.3	2840.9	2454.2	2297.0	2110.5
-37.5°	5603.7	5401.3	5189.7	4890.4	4300.6	3631.1	2840.9	2466.5	2326.1	2153.1	1956.5
-40°	5202.1	5021.5	4554.4	4036.6	3395.3	2686.8	2454.2	2326.1	2167.4	1990.2	1787.2
-42.5°	4502.8	4094.4	3593.4	3007.8	2525.8	2417.4	2297.0	2153.1	1990.2	1803.8	1617.3
-45°	3438.6	2979.6	2541.3	2452.3	2356.9	2239.4	2110.5	1956.5	1787.2	1617.3	1443.4
-47.5°	2501.9	2432.6	2356.4	2261.3	2154.3	2034.6	1889.8	1738.3	1586.1	1431.0	1298.8
-50°	2297.6	2220.4	2135.4	2037.9	1918.5	1791.1	1660.2	1524.3	1393.9	1274.3	1149.1
-52.5°	2054.8	1969.3	1875.0	1772.5	1665.6	1552.5	1434.7	1332.7	1225.7	1112.0	993.0
-55°	1763.8	1688.0	1605.0	1514.6	1422.1	1337.7	1248.2	1152.6	1050.7	944.3	835.9
-57.5°	1483.1	1419.9	1358.5	1291.5	1219.2	1140.2	1055.5	966.0	873.5	777.2	680.6
-60°	1248.2	1197.6	1140.2	1077.4	1009.5	936.8	860.9	780.6	696.1	625.7	552.8
-62.5°	1015.2	968.2	916.7	860.9	800.5	735.7	672.4	614.5	553.6	489.6	421.3
-65°	783.4	742.0	696.1	655.9	612.9	566.7	517.4	464.3	407.8	348.5	288.5
-67.5°	582.0	552.8	520.5	484.7	445.3	403.0	357.7	309.8	266.8	224.7	180.8
-70°	396.3	370.0	340.7	308.6	278.4	248.8	217.2	183.6	148.2	123.4	103.7
-72.5°	226.4	208.2	188.1	166.1	142.2	126.1	112.2	97.4	81.8	65.4	53.3
-75°	106.3	98.5	89.8	80.3	70.0	58.9	53.0	49.3	45.4	41.3	37.0
-77.5°	48.2	46.3	44.2	41.9	39.5	36.8	33.9	31.4	29.8	28.1	26.3
-80°	29.1	28.3	27.5	26.6	25.6	24.5	23.4	22.2	20.9	19.7	18.7
-82.5°	18.7	18.3	17.8	17.3	16.8	16.2	15.6	15.0	14.3	13.6	12.8
-85°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7	9.4	9.1	8.8
-87.5°	6.3	6.2	6.1	5.9	5.8	5.7	5.5	5.3	5.1	4.9	4.7
-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: P1305961 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680N-40-80-3S-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°	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.8	2.6	2.3	2.0
85°	8.5	8.2	7.8	7.4	7.1	6.7	6.2	5.7	5.1	4.6	4.0
82.5°	12.0	11.4	10.9	10.4	9.8	9.2	8.6	8.1	7.4	6.8	6.0
80°	17.6	16.5	15.4	14.2	13.0	11.8	11.0	10.2	9.4	8.5	7.7
77.5°	24.5	22.5	20.5	19.0	17.4	15.9	14.3	12.6	11.3	10.3	9.2
75°	32.6	29.9	27.5	25.1	22.5	20.0	18.1	16.1	14.1	12.1	10.7
72.5°	48.1	42.7	37.1	31.6	28.6	25.6	22.5	19.5	17.2	14.8	12.4
70°	83.2	61.9	50.9	44.2	37.4	31.2	27.6	24.0	20.3	17.6	14.8
67.5°	135.6	111.6	86.8	61.2	49.4	41.6	33.6	28.7	24.5	20.3	17.2
65°	237.6	184.8	133.1	104.7	75.6	52.6	43.7	34.6	28.7	24.0	19.5
62.5°	350.3	280.8	220.7	159.0	115.6	82.8	53.6	43.7	33.6	27.6	22.5
60°	476.6	396.3	313.5	242.4	173.4	119.2	82.8	52.6	41.6	31.2	25.6
57.5°	598.4	513.5	424.1	332.0	249.7	173.4	115.6	75.6	49.4	37.4	28.6
55°	723.8	626.0	531.7	433.5	332.0	242.4	159.0	104.7	61.2	44.2	31.6
52.5°	871.5	747.3	635.2	531.7	424.1	313.5	220.7	133.1	86.8	50.9	37.1
50°	1017.6	883.4	747.3	626.0	513.5	396.3	280.8	184.8	111.6	61.9	42.7
47.5°	1161.5	1017.6	871.5	723.8	598.4	476.6	350.3	237.6	135.6	83.2	48.1
45°	1298.8	1149.1	993.0	835.9	680.6	552.8	421.3	288.5	180.8	103.7	53.3
42.5°	1431.0	1274.3	1112.0	944.3	777.2	625.7	489.6	348.5	224.7	123.4	65.4
40°	1586.1	1393.9	1225.7	1050.7	873.5	696.1	553.6	407.8	266.8	148.2	81.8
37.5°	1738.3	1524.3	1332.7	1152.6	966.0	780.6	614.5	464.3	309.8	183.6	97.4
35°	1889.8	1660.2	1434.7	1248.2	1055.5	860.9	672.4	517.4	357.7	217.2	112.2
32.5°	2034.6	1791.1	1552.5	1337.7	1140.2	936.8	735.7	566.7	403.0	248.8	126.1
30°	2154.3	1918.5	1665.6	1422.1	1219.2	1009.5	800.5	612.9	445.3	278.4	142.2
27.5°	2261.3	2037.9	1772.5	1514.6	1291.5	1077.4	860.9	655.9	484.7	308.6	166.1
25°	2356.4	2135.4	1875.0	1605.0	1358.5	1140.2	916.7	696.1	520.5	340.7	188.1
22.5°	2432.6	2220.4	1969.3	1688.0	1419.9	1197.6	968.2	742.0	552.8	370.0	208.2
20°	2501.9	2297.6	2054.8	1763.8	1483.1	1248.2	1015.2	783.4	582.0	396.3	226.4
17.5°	2615.9	2361.1	2120.6	1833.9	1544.4	1293.3	1057.1	820.2	608.0	419.8	242.4
15°	2950.5	2411.4	2176.4	1895.3	1598.1	1332.7	1093.7	852.4	630.6	440.2	256.5
12.5°	3237.3	2454.5	2224.0	1947.7	1643.9	1366.2	1124.9	879.8	649.8	457.6	268.4
10°	3474.3	2490.0	2263.3	1990.9	1681.6	1393.9	1150.5	902.3	665.7	471.9	278.2
7.5°	3660.3	2517.9	2294.1	2024.7	1711.1	1415.5	1170.5	919.9	678.0	483.0	285.8
5°	3794.1	2537.9	2316.2	2048.9	1732.2	1431.0	1184.9	932.5	686.9	491.0	291.3
2.5°	3874.7	2550.0	2329.5	2063.5	1745.0	1440.3	1193.5	940.1	692.2	495.8	294.6
0°	3901.6	2554.0	2333.9	2068.4	1749.2	1443.4	1196.4	942.6	694.0	497.4	295.7
-2.5°	3874.7	2550.0	2329.5	2063.5	1745.0	1440.3	1193.5	940.1	692.2	495.8	294.6
-5°	3794.1	2537.9	2316.2	2048.9	1732.2	1431.0	1184.9	932.5	686.9	491.0	291.3
-7.5°	3660.3	2517.9	2294.1	2024.7	1711.1	1415.5	1170.5	919.9	678.0	483.0	285.8
-10°	3474.3	2490.0	2263.3	1990.9	1681.6	1393.9	1150.5	902.3	665.7	471.9	278.2
-12.5°	3237.3	2454.5	2224.0	1947.7	1643.9	1366.2	1124.9	879.8	649.8	457.6	268.4
-15°	2950.5	2411.4	2176.4	1895.3	1598.1	1332.7	1093.7	852.4	630.6	440.2	256.5
-17.5°	2615.9	2361.1	2120.6	1833.9	1544.4	1293.3	1057.1	820.2	608.0	419.8	242.4
-20°	2501.9	2297.6	2054.8	1763.8	1483.1	1248.2	1015.2	783.4	582.0	396.3	226.4



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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°	2432.6	2220.4	1969.3	1688.0	1419.9	1197.6	968.2	742.0	552.8	370.0	208.2
-25°	2356.4	2135.4	1875.0	1605.0	1358.5	1140.2	916.7	696.1	520.5	340.7	188.1
-27.5°	2261.3	2037.9	1772.5	1514.6	1291.5	1077.4	860.9	655.9	484.7	308.6	166.1
-30°	2154.3	1918.5	1665.6	1422.1	1219.2	1009.5	800.5	612.9	445.3	278.4	142.2
-32.5°	2034.6	1791.1	1552.5	1337.7	1140.2	936.8	735.7	566.7	403.0	248.8	126.1
-35°	1889.8	1660.2	1434.7	1248.2	1055.5	860.9	672.4	517.4	357.7	217.2	112.2
-37.5°	1738.3	1524.3	1332.7	1152.6	966.0	780.6	614.5	464.3	309.8	183.6	97.4
-40°	1586.1	1393.9	1225.7	1050.7	873.5	696.1	553.6	407.8	266.8	148.2	81.8
-42.5°	1431.0	1274.3	1112.0	944.3	777.2	625.7	489.6	348.5	224.7	123.4	65.4
-45°	1298.8	1149.1	993.0	835.9	680.6	552.8	421.3	288.5	180.8	103.7	53.3
-47.5°	1161.5	1017.6	871.5	723.8	598.4	476.6	350.3	237.6	135.6	83.2	48.1
-50°	1017.6	883.4	747.3	626.0	513.5	396.3	280.8	184.8	111.6	61.9	42.7
-52.5°	871.5	747.3	635.2	531.7	424.1	313.5	220.7	133.1	86.8	50.9	37.1
-55°	723.8	626.0	531.7	433.5	332.0	242.4	159.0	104.7	61.2	44.2	31.6
-57.5°	598.4	513.5	424.1	332.0	249.7	173.4	115.6	75.6	49.4	37.4	28.6
-60°	476.6	396.3	313.5	242.4	173.4	119.2	82.8	52.6	41.6	31.2	25.6
-62.5°	350.3	280.8	220.7	159.0	115.6	82.8	53.6	43.7	33.6	27.6	22.5
-65°	237.6	184.8	133.1	104.7	75.6	52.6	43.7	34.6	28.7	24.0	19.5
-67.5°	135.6	111.6	86.8	61.2	49.4	41.6	33.6	28.7	24.5	20.3	17.2
-70°	83.2	61.9	50.9	44.2	37.4	31.2	27.6	24.0	20.3	17.6	14.8
-72.5°	48.1	42.7	37.1	31.6	28.6	25.6	22.5	19.5	17.2	14.8	12.4
-75°	32.6	29.9	27.5	25.1	22.5	20.0	18.1	16.1	14.1	12.1	10.7
-77.5°	24.5	22.5	20.5	19.0	17.4	15.9	14.3	12.6	11.3	10.3	9.2
-80°	17.6	16.5	15.4	14.2	13.0	11.8	11.0	10.2	9.4	8.5	7.7
-82.5°	12.0	11.4	10.9	10.4	9.8	9.2	8.6	8.1	7.4	6.8	6.0
-85°	8.5	8.2	7.8	7.4	7.1	6.7	6.2	5.7	5.1	4.6	4.0
-87.5°	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.8	2.6	2.3	2.0
-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°	1.7	1.4	1.2	0.9	0.6	0.3	0.0
85°	3.5	2.9	2.3	1.7	1.2	0.6	0.0
82.5°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
80°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
77.5°	8.2	7.1	5.8	4.3	2.9	1.4	0.0
75°	9.4	8.2	6.9	5.2	3.5	1.7	0.0
72.5°	10.7	9.2	7.7	6.0	4.0	2.0	0.0
70°	12.1	10.3	8.5	6.8	4.6	2.3	0.0
67.5°	14.1	11.3	9.4	7.4	5.1	2.6	0.0
65°	16.1	12.6	10.2	8.1	5.7	2.8	0.0
62.5°	18.1	14.3	11.0	8.6	6.2	3.1	0.0
60°	20.0	15.9	11.8	9.2	6.7	3.3	0.0
57.5°	22.5	17.4	13.0	9.8	7.1	3.6	0.0
55°	25.1	19.0	14.2	10.4	7.4	3.8	0.0
52.5°	27.5	20.5	15.4	10.9	7.8	4.1	0.0
50°	29.9	22.5	16.5	11.4	8.2	4.3	0.0
47.5°	32.6	24.5	17.6	12.0	8.5	4.5	0.0
45°	37.0	26.3	18.7	12.8	8.8	4.7	0.0
42.5°	41.3	28.1	19.7	13.6	9.1	4.9	0.0
40°	45.4	29.8	20.9	14.3	9.4	5.1	0.0
37.5°	49.3	31.4	22.2	15.0	9.7	5.3	0.0
35°	53.0	33.9	23.4	15.6	10.0	5.5	0.0
32.5°	58.9	36.8	24.5	16.2	10.2	5.7	0.0
30°	70.0	39.5	25.6	16.8	10.4	5.8	0.0
27.5°	80.3	41.9	26.6	17.3	10.6	5.9	0.0
25°	89.8	44.2	27.5	17.8	10.8	6.1	0.0
22.5°	98.5	46.3	28.3	18.3	11.0	6.2	0.0
20°	106.3	48.2	29.1	18.7	11.2	6.3	0.0
17.5°	113.2	49.9	29.7	19.0	11.3	6.4	0.0
15°	119.2	51.3	30.3	19.3	11.5	6.5	0.0
12.5°	124.4	52.6	30.8	19.6	11.6	6.5	0.0
10°	128.6	53.6	31.2	19.8	11.6	6.6	0.0
7.5°	131.9	54.4	31.5	20.0	11.7	6.6	0.0
5°	134.2	54.9	31.7	20.1	11.8	6.7	0.0
2.5°	135.6	55.3	31.9	20.2	11.8	6.7	0.0
0°	136.1	55.4	31.9	20.2	11.8	6.7	0.0
-2.5°	135.6	55.3	31.9	20.2	11.8	6.7	0.0
-5°	134.2	54.9	31.7	20.1	11.8	6.7	0.0
-7.5°	131.9	54.4	31.5	20.0	11.7	6.6	0.0
-10°	128.6	53.6	31.2	19.8	11.6	6.6	0.0
-12.5°	124.4	52.6	30.8	19.6	11.6	6.5	0.0
-15°	119.2	51.3	30.3	19.3	11.5	6.5	0.0
-17.5°	113.2	49.9	29.7	19.0	11.3	6.4	0.0
-20°	106.3	48.2	29.1	18.7	11.2	6.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	98.5	46.3	28.3	18.3	11.0	6.2	0.0
-25°	89.8	44.2	27.5	17.8	10.8	6.1	0.0
-27.5°	80.3	41.9	26.6	17.3	10.6	5.9	0.0
-30°	70.0	39.5	25.6	16.8	10.4	5.8	0.0
-32.5°	58.9	36.8	24.5	16.2	10.2	5.7	0.0
-35°	53.0	33.9	23.4	15.6	10.0	5.5	0.0
-37.5°	49.3	31.4	22.2	15.0	9.7	5.3	0.0
-40°	45.4	29.8	20.9	14.3	9.4	5.1	0.0
-42.5°	41.3	28.1	19.7	13.6	9.1	4.9	0.0
-45°	37.0	26.3	18.7	12.8	8.8	4.7	0.0
-47.5°	32.6	24.5	17.6	12.0	8.5	4.5	0.0
-50°	29.9	22.5	16.5	11.4	8.2	4.3	0.0
-52.5°	27.5	20.5	15.4	10.9	7.8	4.1	0.0
-55°	25.1	19.0	14.2	10.4	7.4	3.8	0.0
-57.5°	22.5	17.4	13.0	9.8	7.1	3.6	0.0
-60°	20.0	15.9	11.8	9.2	6.7	3.3	0.0
-62.5°	18.1	14.3	11.0	8.6	6.2	3.1	0.0
-65°	16.1	12.6	10.2	8.1	5.7	2.8	0.0
-67.5°	14.1	11.3	9.4	7.4	5.1	2.6	0.0
-70°	12.1	10.3	8.5	6.8	4.6	2.3	0.0
-72.5°	10.7	9.2	7.7	6.0	4.0	2.0	0.0
-75°	9.4	8.2	6.9	5.2	3.5	1.7	0.0
-77.5°	8.2	7.1	5.8	4.3	2.9	1.4	0.0
-80°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
-82.5°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
-85°	3.5	2.9	2.3	1.7	1.2	0.6	0.0
-87.5°	1.7	1.4	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)