

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: P1305422 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-80-4S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

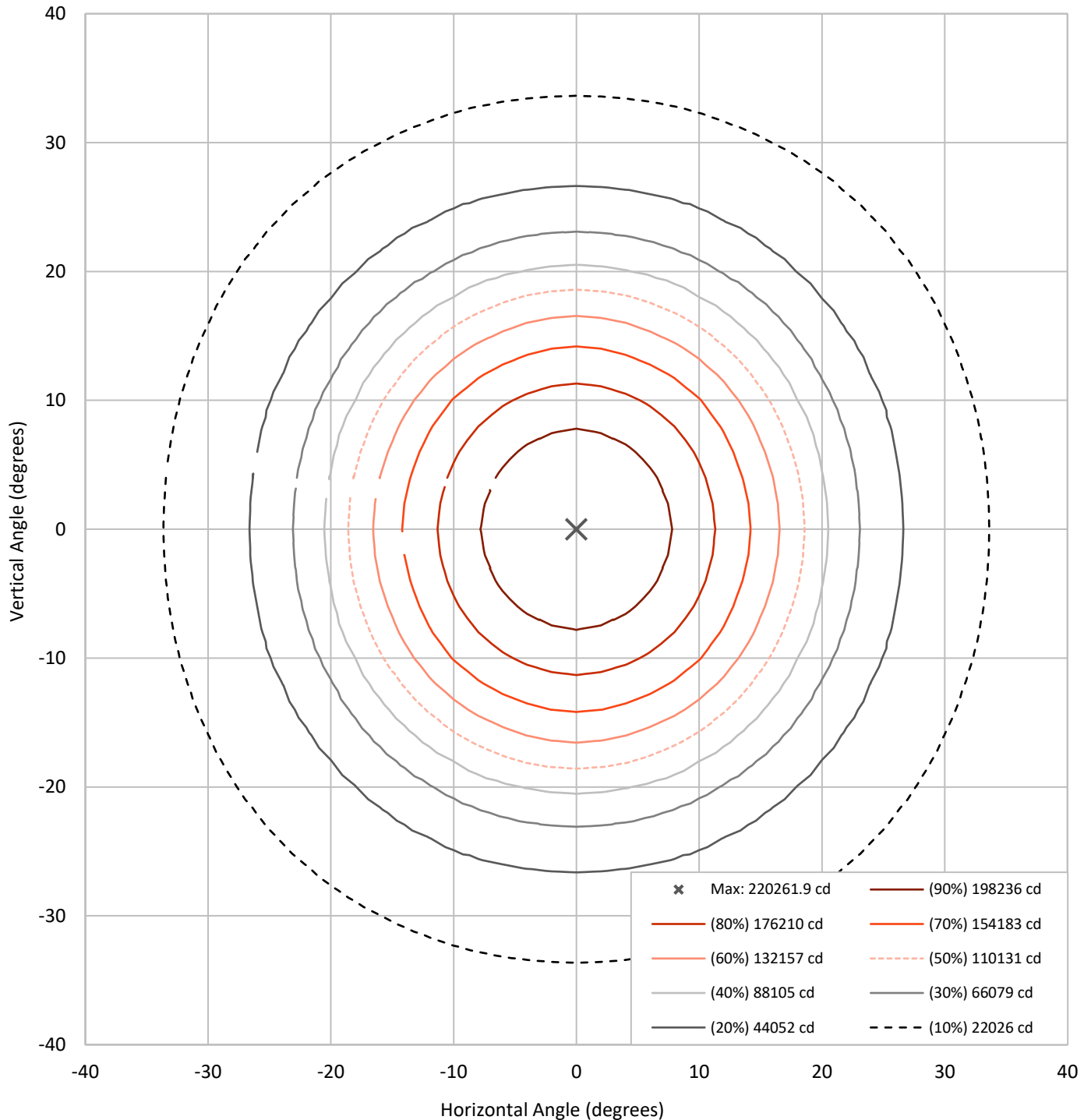
Test Method: LM-79-08  
Report Number: P1305422 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680R-40-80-4S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	101719.1 lumens	Max Intensity:	220261.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	147.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	52954 lumens	Field Lumens:	88953.8 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%
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





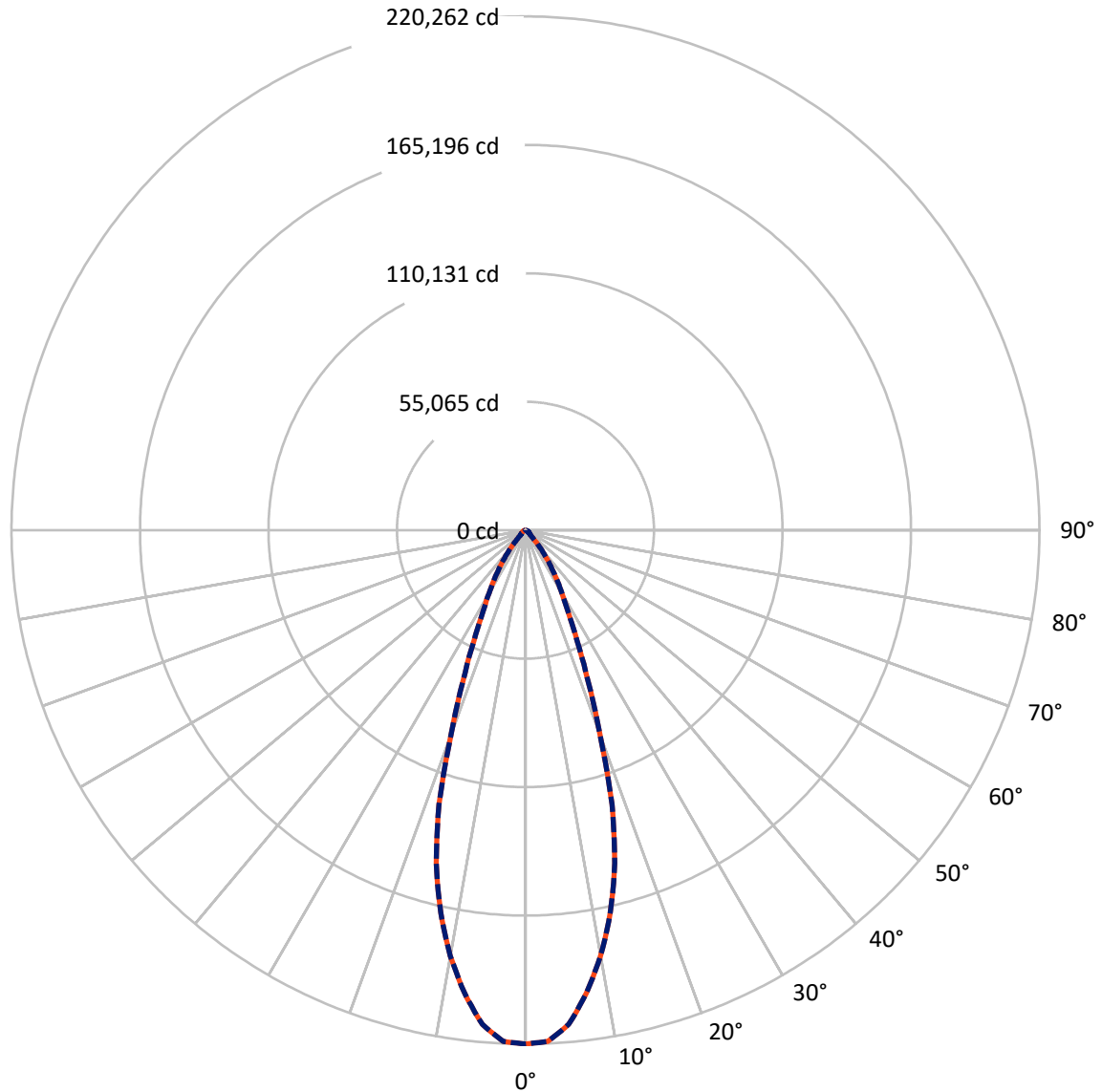
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### Lumen Table

90	0.1	0.8		3.0		7.2		9.4		7.2		3.0		0.8		0.1			
80	0.1	0.8		3.0		7.2		9.4		7.2		3.0		0.8		0.1			
70	0.4	0.5	1.8	5.1	10.6	17.2	23.0	26.2	26.2	23.0	17.2	10.6	5.1	1.8	0.5	0.4			
60		1.4	6.0	16.3	30.0	42.3	51.2	56.2	56.2	51.2	42.3	30.0	16.3	6.0	1.4				
50	1.0	3.1	13.4	30.5	47.4	65.8	94.5	124.7	124.7	94.5	65.8	47.4	30.5	13.4	3.1	1.0			
40		5.7	21.3	41.0	71.1	191.3	404.9	561.6	561.6	404.9	191.3	71.1	41.0	21.3	5.7				
30	2.1	8.3	27.0	51.6	174.2	544.4	1064.5	1583.0	1583.0	1064.5	544.4	174.2	51.6	27.0	8.3	2.1			
20		10.4	30.7	70.0	346.8	1002.3	2482.3	4074.9	4074.9	2482.3	1002.3	346.8	70.0	30.7	10.4				
10	2.6	11.5	32.6	90.2	466.7	1449.4	3959.7	5964.6	5964.6	3959.7	1449.4	466.7	90.2	32.6	11.5	2.6			
0		11.5	32.6	90.2	466.7	1449.4	3959.7	5964.6	5964.6	3959.7	1449.4	466.7	90.2	32.6	11.5				
-10	2.1	10.4	30.7	70.0	346.8	1002.3	2482.3	4074.9	4074.9	2482.3	1002.3	346.8	70.0	30.7	10.4	2.1			
-20		8.3	27.0	51.6	174.2	544.4	1064.5	1583.0	1583.0	1064.5	544.4	174.2	51.6	27.0	8.3				
-30	1.0	5.7	21.3	41.0	71.1	191.3	404.9	561.6	561.6	404.9	191.3	71.1	41.0	21.3	5.7	1.0			
-40		3.1	13.4	30.5	47.4	65.8	94.5	124.7	124.7	94.5	65.8	47.4	30.5	13.4	3.1				
-50	0.4	1.4	6.0	16.3	30.0	42.3	51.2	56.2	56.2	51.2	42.3	30.0	16.3	6.0	1.4	0.4			
-60		0.5	1.8	5.1	10.6	17.2	23.0	26.2	26.2	23.0	17.2	10.6	5.1	1.8	0.5				
-70	0.1	0.8		3.0		7.2		9.4		7.2		3.0		0.8		0.1			
-80		0.8		3.0		7.2		9.4		7.2		3.0		0.8					
-90	0.1	0.8		3.0		7.2		9.4		7.2		3.0		0.8		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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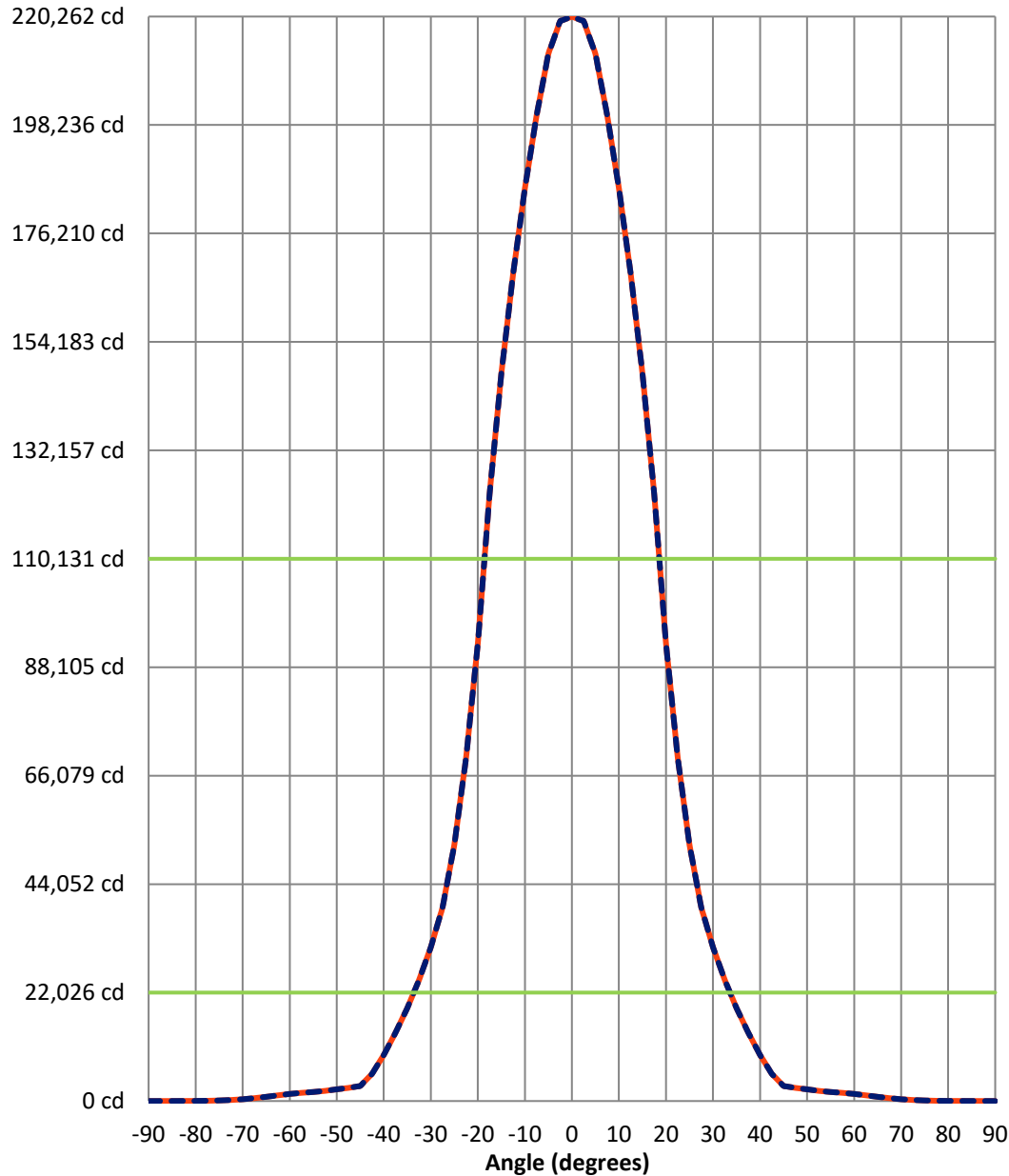
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 37.2°  
 V Angle: 37.2°  
 Lumens: 52954  
 Efficiency: 52.1%

**Field:**  
 H Angle: 67.2°  
 V Angle: 67.2°  
 Lumens: 88953.8  
 Efficiency: 87.5%

**Spill:**  
 Lumens: 12765.2  
 Efficiency: 12.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	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	0.4	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2
85°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
82.5°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.8	6.5
80°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.1	6.9	7.8	8.6
77.5°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.6	8.7	9.7	11.0
75°	0.0	1.3	2.6	3.9	5.3	6.6	7.8	9.1	10.5	12.5	14.5
72.5°	0.0	1.5	3.1	4.6	6.1	7.6	9.1	10.8	13.2	15.6	17.9
70°	0.0	1.7	3.5	5.2	6.9	8.7	10.5	13.2	16.0	18.7	21.4
67.5°	0.0	2.0	3.9	5.8	7.8	9.7	12.5	15.6	18.7	21.7	24.7
65°	0.0	2.2	4.3	6.5	8.6	11.0	14.5	17.9	21.4	24.7	30.2
62.5°	0.0	2.4	4.7	7.0	9.4	12.7	16.5	20.2	24.0	29.0	40.7
60°	0.0	2.5	5.1	7.6	10.2	14.3	18.4	22.5	26.6	38.3	50.9
57.5°	0.0	2.7	5.5	8.2	11.4	15.8	20.3	24.7	33.5	47.3	70.7
55°	0.0	2.9	5.8	8.8	12.6	17.4	22.1	26.9	41.3	58.9	94.6
52.5°	0.0	3.1	6.2	9.3	13.8	18.8	23.9	33.0	49.0	79.8	117.8
50°	0.0	3.3	6.6	9.8	14.9	20.3	25.7	39.5	59.5	100.1	148.1
47.5°	0.0	3.4	6.9	10.4	16.0	21.7	27.9	45.8	76.9	119.8	178.4
45°	0.0	3.6	7.2	11.2	17.1	23.0	33.0	51.8	93.7	145.8	207.6
42.5°	0.0	3.8	7.5	12.0	18.1	24.3	37.9	62.4	109.8	171.0	252.5
40°	0.0	3.9	7.8	12.7	19.1	25.5	42.7	75.8	127.1	195.1	298.2
37.5°	0.0	4.0	8.1	13.4	20.0	26.7	47.1	88.6	147.4	222.5	341.9
35°	0.0	4.2	8.4	14.0	20.9	29.4	51.4	100.7	166.7	259.6	390.2
32.5°	0.0	4.3	8.6	14.6	21.7	32.7	57.1	112.1	184.8	294.5	446.2
30°	0.0	4.4	8.8	15.2	22.5	35.8	66.1	123.7	201.8	327.2	498.8
27.5°	0.0	4.5	9.0	15.7	23.2	38.7	74.6	137.4	221.7	357.6	547.7
25°	0.0	4.6	9.2	16.2	23.9	41.3	82.3	150.0	246.4	393.6	593.3
22.5°	0.0	4.7	9.4	16.7	24.5	43.7	89.4	161.6	269.0	430.4	642.9
20°	0.0	4.8	9.6	17.1	25.0	45.9	95.8	171.9	289.4	463.6	687.8
17.5°	0.0	4.9	9.7	17.4	25.5	47.8	101.5	181.2	307.5	493.1	727.7
15°	0.0	4.9	9.9	17.7	25.9	49.5	106.4	189.2	323.2	518.9	762.5
12.5°	0.0	5.0	10.0	18.0	26.3	50.9	110.6	196.0	336.7	540.8	792.2
10°	0.0	5.0	10.0	18.2	26.6	52.1	114.0	201.7	347.7	558.8	816.6
7.5°	0.0	5.1	10.1	18.4	26.8	53.0	116.7	206.0	356.3	572.9	835.6
5°	0.0	5.1	10.2	18.5	27.0	53.7	118.7	209.2	362.5	582.9	849.3
2.5°	0.0	5.1	10.2	18.6	27.1	54.1	119.8	211.1	366.2	589.0	857.5
0°	0.0	5.1	10.2	18.6	27.1	54.2	120.2	211.7	367.4	591.0	860.2
-2.5°	0.0	5.1	10.2	18.6	27.1	54.1	119.8	211.1	366.2	589.0	857.5
-5°	0.0	5.1	10.2	18.5	27.0	53.7	118.7	209.2	362.5	582.9	849.3
-7.5°	0.0	5.1	10.1	18.4	26.8	53.0	116.7	206.0	356.3	572.9	835.6
-10°	0.0	5.0	10.0	18.2	26.6	52.1	114.0	201.7	347.7	558.8	816.6
-12.5°	0.0	5.0	10.0	18.0	26.3	50.9	110.6	196.0	336.7	540.8	792.2
-15°	0.0	4.9	9.9	17.7	25.9	49.5	106.4	189.2	323.2	518.9	762.5
-17.5°	0.0	4.9	9.7	17.4	25.5	47.8	101.5	181.2	307.5	493.1	727.7
-20°	0.0	4.8	9.6	17.1	25.0	45.9	95.8	171.9	289.4	463.6	687.8



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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	4.7	9.4	16.7	24.5	43.7	89.4	161.6	269.0	430.4	642.9
-25°	0.0	4.6	9.2	16.2	23.9	41.3	82.3	150.0	246.4	393.6	593.3
-27.5°	0.0	4.5	9.0	15.7	23.2	38.7	74.6	137.4	221.7	357.6	547.7
-30°	0.0	4.4	8.8	15.2	22.5	35.8	66.1	123.7	201.8	327.2	498.8
-32.5°	0.0	4.3	8.6	14.6	21.7	32.7	57.1	112.1	184.8	294.5	446.2
-35°	0.0	4.2	8.4	14.0	20.9	29.4	51.4	100.7	166.7	259.6	390.2
-37.5°	0.0	4.0	8.1	13.4	20.0	26.7	47.1	88.6	147.4	222.5	341.9
-40°	0.0	3.9	7.8	12.7	19.1	25.5	42.7	75.8	127.1	195.1	298.2
-42.5°	0.0	3.8	7.5	12.0	18.1	24.3	37.9	62.4	109.8	171.0	252.5
-45°	0.0	3.6	7.2	11.2	17.1	23.0	33.0	51.8	93.7	145.8	207.6
-47.5°	0.0	3.4	6.9	10.4	16.0	21.7	27.9	45.8	76.9	119.8	178.4
-50°	0.0	3.3	6.6	9.8	14.9	20.3	25.7	39.5	59.5	100.1	148.1
-52.5°	0.0	3.1	6.2	9.3	13.8	18.8	23.9	33.0	49.0	79.8	117.8
-55°	0.0	2.9	5.8	8.8	12.6	17.4	22.1	26.9	41.3	58.9	94.6
-57.5°	0.0	2.7	5.5	8.2	11.4	15.8	20.3	24.7	33.5	47.3	70.7
-60°	0.0	2.5	5.1	7.6	10.2	14.3	18.4	22.5	26.6	38.3	50.9
-62.5°	0.0	2.4	4.7	7.0	9.4	12.7	16.5	20.2	24.0	29.0	40.7
-65°	0.0	2.2	4.3	6.5	8.6	11.0	14.5	17.9	21.4	24.7	30.2
-67.5°	0.0	2.0	3.9	5.8	7.8	9.7	12.5	15.6	18.7	21.7	24.7
-70°	0.0	1.7	3.5	5.2	6.9	8.7	10.5	13.2	16.0	18.7	21.4
-72.5°	0.0	1.5	3.1	4.6	6.1	7.6	9.1	10.8	13.2	15.6	17.9
-75°	0.0	1.3	2.6	3.9	5.3	6.6	7.8	9.1	10.5	12.5	14.5
-77.5°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.6	8.7	9.7	11.0
-80°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.1	6.9	7.8	8.6
-82.5°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.8	6.5
-85°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
-87.5°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2
-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):**

	-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°	2.4	2.5	2.7	2.9	3.1	3.3	3.4	3.6	3.8	3.9	4.0
85°	4.7	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.5	7.8	8.1
82.5°	7.0	7.6	8.2	8.8	9.3	9.8	10.4	11.2	12.0	12.7	13.4
80°	9.4	10.2	11.4	12.6	13.8	14.9	16.0	17.1	18.1	19.1	20.0
77.5°	12.7	14.3	15.8	17.4	18.8	20.3	21.7	23.0	24.3	25.5	26.7
75°	16.5	18.4	20.3	22.1	23.9	25.7	27.9	33.0	37.9	42.7	47.1
72.5°	20.2	22.5	24.7	26.9	33.0	39.5	45.8	51.8	62.4	75.8	88.6
70°	24.0	26.6	33.5	41.3	49.0	59.5	76.9	93.7	109.8	127.1	147.4
67.5°	29.0	38.3	47.3	58.9	79.8	100.1	119.8	145.8	171.0	195.1	222.5
65°	40.7	50.9	70.7	94.6	117.8	148.1	178.4	207.6	252.5	298.2	341.9
62.5°	52.1	76.6	103.4	133.3	168.7	203.1	253.9	308.7	361.4	431.4	500.6
60°	76.6	106.4	141.6	181.2	225.5	289.4	351.4	430.4	513.3	593.3	684.7
57.5°	103.4	141.6	185.3	239.7	310.9	385.7	482.3	575.7	681.1	785.4	887.9
55°	133.3	181.2	239.7	318.0	406.5	513.6	623.2	744.7	862.2	987.8	1108.1
52.5°	168.7	225.5	310.9	406.5	524.1	648.7	783.2	919.7	1060.2	1194.1	1318.7
50°	203.1	289.4	385.7	513.6	648.7	796.1	948.7	1104.0	1250.7	1390.1	1506.0
47.5°	253.9	351.4	482.3	623.2	783.2	948.7	1118.7	1279.2	1433.3	1550.5	1660.0
45°	308.7	430.4	575.7	744.7	919.7	1104.0	1279.2	1447.8	1573.0	1688.3	1779.0
42.5°	361.4	513.3	681.1	862.2	1060.2	1250.7	1433.3	1573.0	1697.1	1797.0	1911.3
40°	431.4	593.3	785.4	987.8	1194.1	1390.1	1550.5	1688.3	1797.0	1923.5	2059.1
37.5°	500.6	684.7	887.9	1108.1	1318.7	1506.0	1660.0	1779.0	1911.3	2059.1	2258.6
35°	566.4	771.7	993.5	1220.3	1437.7	1603.8	1743.2	1874.9	2034.3	2240.7	2446.7
32.5°	636.2	853.9	1093.5	1324.6	1526.3	1690.3	1820.8	1985.0	2187.2	2414.0	2614.6
30°	706.3	939.2	1186.5	1422.9	1607.7	1758.6	1912.3	2099.2	2344.9	2564.5	2813.1
27.5°	771.7	1019.4	1270.8	1499.0	1680.4	1822.6	2003.8	2237.9	2482.2	2719.7	3021.7
25°	832.1	1093.5	1348.9	1564.1	1735.3	1896.2	2098.5	2367.3	2606.6	2902.8	4023.2
22.5°	890.4	1161.3	1420.4	1623.9	1785.8	1968.8	2209.3	2476.2	2740.2	3114.7	5166.3
20°	946.0	1220.3	1476.4	1675.7	1831.6	2034.8	2310.1	2573.7	2884.6	4090.1	6604.3
17.5°	995.4	1272.8	1520.5	1713.3	1883.5	2105.4	2398.9	2661.2	3014.6	4970.0	8086.9
15°	1038.6	1318.7	1559.1	1746.2	1931.2	2178.5	2470.0	2763.1	3468.8	5873.0	9408.4
12.5°	1075.4	1357.9	1592.1	1774.2	1971.9	2241.1	2530.9	2853.9	4086.4	6918.8	10748.1
10°	1105.7	1390.1	1619.2	1797.4	2005.4	2292.8	2581.3	2929.1	4598.6	7787.7	11863.8
7.5°	1129.3	1415.3	1640.5	1815.5	2031.7	2333.3	2620.8	2988.1	5001.4	8472.2	12744.3
5°	1146.3	1433.3	1655.7	1828.5	2050.6	2362.4	2649.2	3030.6	5291.6	8965.9	13380.2
2.5°	1156.5	1444.2	1664.8	1836.3	2062.0	2379.9	2666.3	3056.2	5466.7	9264.1	13764.7
0°	<b>1159.9</b>	<b>1447.8</b>	<b>1667.9</b>	<b>1838.9</b>	<b>2065.8</b>	<b>2385.8</b>	<b>2672.0</b>	<b>3064.8</b>	<b>5525.2</b>	<b>9363.8</b>	<b>13893.4</b>
-2.5°	1156.5	1444.2	1664.8	1836.3	2062.0	2379.9	2666.3	3056.2	5466.7	9264.1	13764.7
-5°	1146.3	1433.3	1655.7	1828.5	2050.6	2362.4	2649.2	3030.6	5291.6	8965.9	13380.2
-7.5°	1129.3	1415.3	1640.5	1815.5	2031.7	2333.3	2620.8	2988.1	5001.4	8472.2	12744.3
-10°	1105.7	1390.1	1619.2	1797.4	2005.4	2292.8	2581.3	2929.1	4598.6	7787.7	11863.8
-12.5°	1075.4	1357.9	1592.1	1774.2	1971.9	2241.1	2530.9	2853.9	4086.4	6918.8	10748.1
-15°	1038.6	1318.7	1559.1	1746.2	1931.2	2178.5	2470.0	2763.1	3468.8	5873.0	9408.4
-17.5°	995.4	1272.8	1520.5	1713.3	1883.5	2105.4	2398.9	2661.2	3014.6	4970.0	8086.9
-20°	946.0	1220.3	1476.4	1675.7	1831.6	2034.8	2310.1	2573.7	2884.6	4090.1	6604.3



REPORT NUMBER: P1305422 (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°	890.4	1161.3	1420.4	1623.9	1785.8	1968.8	2209.3	2476.2	2740.2	3114.7	5166.3
-25°	832.1	1093.5	1348.9	1564.1	1735.3	1896.2	2098.5	2367.3	2606.6	2902.8	4023.2
-27.5°	771.7	1019.4	1270.8	1499.0	1680.4	1822.6	2003.8	2237.9	2482.2	2719.7	3021.7
-30°	706.3	939.2	1186.5	1422.9	1607.7	1758.6	1912.3	2099.2	2344.9	2564.5	2813.1
-32.5°	636.2	853.9	1093.5	1324.6	1526.3	1690.3	1820.8	1985.0	2187.2	2414.0	2614.6
-35°	566.4	771.7	993.5	1220.3	1437.7	1603.8	1743.2	1874.9	2034.3	2240.7	2446.7
-37.5°	500.6	684.7	887.9	1108.1	1318.7	1506.0	1660.0	1779.0	1911.3	2059.1	2258.6
-40°	431.4	593.3	785.4	987.8	1194.1	1390.1	1550.5	1688.3	1797.0	1923.5	2059.1
-42.5°	361.4	513.3	681.1	862.2	1060.2	1250.7	1433.3	1573.0	1697.1	1797.0	1911.3
-45°	308.7	430.4	575.7	744.7	919.7	1104.0	1279.2	1447.8	1573.0	1688.3	1779.0
-47.5°	253.9	351.4	482.3	623.2	783.2	948.7	1118.7	1279.2	1433.3	1550.5	1660.0
-50°	203.1	289.4	385.7	513.6	648.7	796.1	948.7	1104.0	1250.7	1390.1	1506.0
-52.5°	168.7	225.5	310.9	406.5	524.1	648.7	783.2	919.7	1060.2	1194.1	1318.7
-55°	133.3	181.2	239.7	318.0	406.5	513.6	623.2	744.7	862.2	987.8	1108.1
-57.5°	103.4	141.6	185.3	239.7	310.9	385.7	482.3	575.7	681.1	785.4	887.9
-60°	76.6	106.4	141.6	181.2	225.5	289.4	351.4	430.4	513.3	593.3	684.7
-62.5°	52.1	76.6	103.4	133.3	168.7	203.1	253.9	308.7	361.4	431.4	500.6
-65°	40.7	50.9	70.7	94.6	117.8	148.1	178.4	207.6	252.5	298.2	341.9
-67.5°	29.0	38.3	47.3	58.9	79.8	100.1	119.8	145.8	171.0	195.1	222.5
-70°	24.0	26.6	33.5	41.3	49.0	59.5	76.9	93.7	109.8	127.1	147.4
-72.5°	20.2	22.5	24.7	26.9	33.0	39.5	45.8	51.8	62.4	75.8	88.6
-75°	16.5	18.4	20.3	22.1	23.9	25.7	27.9	33.0	37.9	42.7	47.1
-77.5°	12.7	14.3	15.8	17.4	18.8	20.3	21.7	23.0	24.3	25.5	26.7
-80°	9.4	10.2	11.4	12.6	13.8	14.9	16.0	17.1	18.1	19.1	20.0
-82.5°	7.0	7.6	8.2	8.8	9.3	9.8	10.4	11.2	12.0	12.7	13.4
-85°	4.7	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.5	7.8	8.1
-87.5°	2.4	2.5	2.7	2.9	3.1	3.3	3.4	3.6	3.8	3.9	4.0
-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):**

	-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°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0
85°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.0
82.5°	14.0	14.6	15.2	15.7	16.2	16.7	17.1	17.4	17.7	18.0	18.2
80°	20.9	21.7	22.5	23.2	23.9	24.5	25.0	25.5	25.9	26.3	26.6
77.5°	29.4	32.7	35.8	38.7	41.3	43.7	45.9	47.8	49.5	50.9	52.1
75°	51.4	57.1	66.1	74.6	82.3	89.4	95.8	101.5	106.4	110.6	114.0
72.5°	100.7	112.1	123.7	137.4	150.0	161.6	171.9	181.2	189.2	196.0	201.7
70°	166.7	184.8	201.8	221.7	246.4	269.0	289.4	307.5	323.2	336.7	347.7
67.5°	259.6	294.5	327.2	357.6	393.6	430.4	463.6	493.1	518.9	540.8	558.8
65°	390.2	446.2	498.8	547.7	593.3	642.9	687.8	727.7	762.5	792.2	816.6
62.5°	566.4	636.2	706.3	771.7	832.1	890.4	946.0	995.4	1038.6	1075.4	1105.7
60°	771.7	853.9	939.2	1019.4	1093.5	1161.3	1220.3	1272.8	1318.7	1357.9	1390.1
57.5°	993.5	1093.5	1186.5	1270.8	1348.9	1420.4	1476.4	1520.5	1559.1	1592.1	1619.2
55°	1220.3	1324.6	1422.9	1499.0	1564.1	1623.9	1675.7	1713.3	1746.2	1774.2	1797.4
52.5°	1437.7	1526.3	1607.7	1680.4	1735.3	1785.8	1831.6	1883.5	1931.2	1971.9	2005.4
50°	1603.8	1690.3	1758.6	1822.6	1896.2	1968.8	2034.8	2105.4	2178.5	2241.1	2292.8
47.5°	1743.2	1820.8	1912.3	2003.8	2098.5	2209.3	2310.1	2398.9	2470.0	2530.9	2581.3
45°	1874.9	1985.0	2099.2	2237.9	2367.3	2476.2	2573.7	2661.2	2763.1	2853.9	2929.1
42.5°	2034.3	2187.2	2344.9	2482.2	2606.6	2740.2	2884.6	3014.6	3468.8	4086.4	4598.6
40°	2240.7	2414.0	2564.5	2719.7	2902.8	3114.7	4090.1	4970.0	5873.0	6918.8	7787.7
37.5°	2446.7	2614.6	2813.1	3021.7	4023.2	5166.3	6604.3	8086.9	9408.4	10748.1	11863.8
35°	2631.4	2860.3	3248.5	4641.3	6195.6	8108.9	9964.5	11853.6	13533.8	15100.2	16438.4
32.5°	2860.3	3400.9	4954.2	6946.8	9135.3	11513.8	13752.9	15984.9	17990.1	19856.6	21528.6
30°	3248.5	4954.2	7199.4	9708.4	12462.2	15170.3	17821.6	20445.4	22935.9	25193.5	27319.2
27.5°	4641.3	6946.8	9708.4	12781.6	15898.0	18959.2	22222.3	25324.8	28469.1	31227.0	34065.7
25°	6195.6	9135.3	12462.2	15898.0	19395.0	23128.0	26964.7	30733.9	34789.6	38466.5	42871.5
22.5°	8108.9	11513.8	15170.3	18959.2	23128.0	27519.2	32036.1	37000.8	42781.2	49104.4	55480.9
20°	9964.5	13752.9	17821.6	22222.3	26964.7	32036.1	37750.7	45257.1	53371.6	63039.0	71900.0
17.5°	11853.6	15984.9	20445.4	25324.8	30733.9	37000.8	45257.1	55219.4	66957.4	80044.4	92241.3
15°	13533.8	17990.1	22935.9	28469.1	34789.6	42781.2	53371.6	66957.4	82837.9	99836.2	117658.3
12.5°	15100.2	19856.6	25193.5	31227.0	38466.5	49104.4	63039.0	80044.4	99836.2	121986.9	138376.9
10°	16438.4	21528.6	27319.2	34065.7	42871.5	55480.9	71900.0	92241.3	117658.3	138376.9	155263.3
7.5°	17496.9	22854.7	29011.0	36336.5	46811.2	61574.8	80838.3	105175.1	130801.5	151561.7	168164.4
5°	18262.9	23816.4	30241.3	37993.7	49698.9	66067.4	87479.1	115051.9	139988.8	160603.4	177365.6
2.5°	18726.5	24399.5	30988.6	39002.8	51463.0	68823.6	91576.8	121196.5	145773.3	166151.5	183259.3
0°	18881.8	24594.9	31239.3	39341.7	52056.5	69753.0	92962.8	123284.3	147752.2	167991.2	185343.1
-2.5°	18726.5	24399.5	30988.6	39002.8	51463.0	68823.6	91576.8	121196.5	145773.3	166151.5	183259.3
-5°	18262.9	23816.4	30241.3	37993.7	49698.9	66067.4	87479.1	115051.9	139988.8	160603.4	177365.6
-7.5°	17496.9	22854.7	29011.0	36336.5	46811.2	61574.8	80838.3	105175.1	130801.5	151561.7	168164.4
-10°	16438.4	21528.6	27319.2	34065.7	42871.5	55480.9	71900.0	92241.3	117658.3	138376.9	155263.3
-12.5°	15100.2	19856.6	25193.5	31227.0	38466.5	49104.4	63039.0	80044.4	99836.2	121986.9	138376.9
-15°	13533.8	17990.1	22935.9	28469.1	34789.6	42781.2	53371.6	66957.4	82837.9	99836.2	117658.3
-17.5°	11853.6	15984.9	20445.4	25324.8	30733.9	37000.8	45257.1	55219.4	66957.4	80044.4	92241.3
-20°	9964.5	13752.9	17821.6	22222.3	26964.7	32036.1	37750.7	45257.1	53371.6	63039.0	71900.0



REPORT NUMBER: P1305422 (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°	8108.9	11513.8	15170.3	18959.2	23128.0	27519.2	32036.1	37000.8	42781.2	49104.4	55480.9
-25°	6195.6	9135.3	12462.2	15898.0	19395.0	23128.0	26964.7	30733.9	34789.6	38466.5	42871.5
-27.5°	4641.3	6946.8	9708.4	12781.6	15898.0	18959.2	22222.3	25324.8	28469.1	31227.0	34065.7
-30°	3248.5	4954.2	7199.4	9708.4	12462.2	15170.3	17821.6	20445.4	22935.9	25193.5	27319.2
-32.5°	2860.3	3400.9	4954.2	6946.8	9135.3	11513.8	13752.9	15984.9	17990.1	19856.6	21528.6
-35°	2631.4	2860.3	3248.5	4641.3	6195.6	8108.9	9964.5	11853.6	13533.8	15100.2	16438.4
-37.5°	2446.7	2614.6	2813.1	3021.7	4023.2	5166.3	6604.3	8086.9	9408.4	10748.1	11863.8
-40°	2240.7	2414.0	2564.5	2719.7	2902.8	3114.7	4090.1	4970.0	5873.0	6918.8	7787.7
-42.5°	2034.3	2187.2	2344.9	2482.2	2606.6	2740.2	2884.6	3014.6	3468.8	4086.4	4598.6
-45°	1874.9	1985.0	2099.2	2237.9	2367.3	2476.2	2573.7	2661.2	2763.1	2853.9	2929.1
-47.5°	1743.2	1820.8	1912.3	2003.8	2098.5	2209.3	2310.1	2398.9	2470.0	2530.9	2581.3
-50°	1603.8	1690.3	1758.6	1822.6	1896.2	1968.8	2034.8	2105.4	2178.5	2241.1	2292.8
-52.5°	1437.7	1526.3	1607.7	1680.4	1735.3	1785.8	1831.6	1883.5	1931.2	1971.9	2005.4
-55°	1220.3	1324.6	1422.9	1499.0	1564.1	1623.9	1675.7	1713.3	1746.2	1774.2	1797.4
-57.5°	993.5	1093.5	1186.5	1270.8	1348.9	1420.4	1476.4	1520.5	1559.1	1592.1	1619.2
-60°	771.7	853.9	939.2	1019.4	1093.5	1161.3	1220.3	1272.8	1318.7	1357.9	1390.1
-62.5°	566.4	636.2	706.3	771.7	832.1	890.4	946.0	995.4	1038.6	1075.4	1105.7
-65°	390.2	446.2	498.8	547.7	593.3	642.9	687.8	727.7	762.5	792.2	816.6
-67.5°	259.6	294.5	327.2	357.6	393.6	430.4	463.6	493.1	518.9	540.8	558.8
-70°	166.7	184.8	201.8	221.7	246.4	269.0	289.4	307.5	323.2	336.7	347.7
-72.5°	100.7	112.1	123.7	137.4	150.0	161.6	171.9	181.2	189.2	196.0	201.7
-75°	51.4	57.1	66.1	74.6	82.3	89.4	95.8	101.5	106.4	110.6	114.0
-77.5°	29.4	32.7	35.8	38.7	41.3	43.7	45.9	47.8	49.5	50.9	52.1
-80°	20.9	21.7	22.5	23.2	23.9	24.5	25.0	25.5	25.9	26.3	26.6
-82.5°	14.0	14.6	15.2	15.7	16.2	16.7	17.1	17.4	17.7	18.0	18.2
-85°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.0
-87.5°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0
-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: P1305422 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-4S-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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9
85°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.7
82.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.2	18.0	17.7	17.4
80°	26.8	27.0	27.1	27.1	27.1	27.0	26.8	26.6	26.3	25.9	25.5
77.5°	53.0	53.7	54.1	54.2	54.1	53.7	53.0	52.1	50.9	49.5	47.8
75°	116.7	118.7	119.8	120.2	119.8	118.7	116.7	114.0	110.6	106.4	101.5
72.5°	206.0	209.2	211.1	211.7	211.1	209.2	206.0	201.7	196.0	189.2	181.2
70°	356.3	362.5	366.2	367.4	366.2	362.5	356.3	347.7	336.7	323.2	307.5
67.5°	572.9	582.9	589.0	591.0	589.0	582.9	572.9	558.8	540.8	518.9	493.1
65°	835.6	849.3	857.5	860.2	857.5	849.3	835.6	816.6	792.2	762.5	727.7
62.5°	1129.3	1146.3	1156.5	1159.9	1156.5	1146.3	1129.3	1105.7	1075.4	1038.6	995.4
60°	1415.3	1433.3	1444.2	1447.8	1444.2	1433.3	1415.3	1390.1	1357.9	1318.7	1272.8
57.5°	1640.5	1655.7	1664.8	1667.9	1664.8	1655.7	1640.5	1619.2	1592.1	1559.1	1520.5
55°	1815.5	1828.5	1836.3	1838.9	1836.3	1828.5	1815.5	1797.4	1774.2	1746.2	1713.3
52.5°	2031.7	2050.6	2062.0	2065.8	2062.0	2050.6	2031.7	2005.4	1971.9	1931.2	1883.5
50°	2333.3	2362.4	2379.9	2385.8	2379.9	2362.4	2333.3	2292.8	2241.1	2178.5	2105.4
47.5°	2620.8	2649.2	2666.3	2672.0	2666.3	2649.2	2620.8	2581.3	2530.9	2470.0	2398.9
45°	2988.1	3030.6	3056.2	3064.8	3056.2	3030.6	2988.1	2929.1	2853.9	2763.1	2661.2
42.5°	5001.4	5291.6	5466.7	5525.2	5466.7	5291.6	5001.4	4598.6	4086.4	3468.8	3014.6
40°	8472.2	8965.9	9264.1	9363.8	9264.1	8965.9	8472.2	7787.7	6918.8	5873.0	4970.0
37.5°	12744.3	13380.2	13764.7	13893.4	13764.7	13380.2	12744.3	11863.8	10748.1	9408.4	8086.9
35°	17496.9	18262.9	18726.5	18881.8	18726.5	18262.9	17496.9	16438.4	15100.2	13533.8	11853.6
32.5°	22854.7	23816.4	24399.5	24594.9	24399.5	23816.4	22854.7	21528.6	19856.6	17990.1	15984.9
30°	29011.0	30241.3	30988.6	31239.3	30988.6	30241.3	29011.0	27319.2	25193.5	22935.9	20445.4
27.5°	36336.5	37993.7	39002.8	39341.7	39002.8	37993.7	36336.5	34065.7	31227.0	28469.1	25324.8
25°	46811.2	49698.9	51463.0	52056.5	51463.0	49698.9	46811.2	42871.5	38466.5	34789.6	30733.9
22.5°	61574.8	66067.4	68823.6	69753.0	68823.6	66067.4	61574.8	55480.9	49104.4	42781.2	37000.8
20°	80838.3	87479.1	91576.8	92962.8	91576.8	87479.1	80838.3	71900.0	63039.0	53371.6	45257.1
17.5°	105175.1	115051.9	121196.5	123284.3	121196.5	115051.9	105175.1	92241.3	80044.4	66957.4	55219.4
15°	130801.5	139988.8	145773.3	147752.2	145773.3	139988.8	130801.5	117658.3	99836.2	82837.9	66957.4
12.5°	151561.7	160603.4	166151.5	167991.2	166151.5	160603.4	151561.7	138376.9	121986.9	99836.2	80044.4
10°	168164.4	177365.6	183259.3	185343.1	183259.3	177365.6	168164.4	155263.3	138376.9	117658.3	92241.3
7.5°	181298.3	191683.7	197974.0	200212.6	197974.0	191683.7	181298.3	168164.4	151561.7	130801.5	105175.1
5°	191683.7	202617.6	210062.9	212682.8	210062.9	202617.6	191683.7	177365.6	160603.4	139988.8	115051.9
2.5°	197974.0	210062.9	217255.0	219321.3	217255.0	210062.9	197974.0	183259.3	166151.5	145773.3	121196.5
0°	200212.6	212682.8	219321.3	220261.9	219321.3	212682.8	200212.6	185343.1	167991.2	147752.2	123284.3
-2.5°	197974.0	210062.9	217255.0	219321.3	217255.0	210062.9	197974.0	183259.3	166151.5	145773.3	121196.5
-5°	191683.7	202617.6	210062.9	212682.8	210062.9	202617.6	191683.7	177365.6	160603.4	139988.8	115051.9
-7.5°	181298.3	191683.7	197974.0	200212.6	197974.0	191683.7	181298.3	168164.4	151561.7	130801.5	105175.1
-10°	168164.4	177365.6	183259.3	185343.1	183259.3	177365.6	168164.4	155263.3	138376.9	117658.3	92241.3
-12.5°	151561.7	160603.4	166151.5	167991.2	166151.5	160603.4	151561.7	138376.9	121986.9	99836.2	80044.4
-15°	130801.5	139988.8	145773.3	147752.2	145773.3	139988.8	130801.5	117658.3	99836.2	82837.9	66957.4
-17.5°	105175.1	115051.9	121196.5	123284.3	121196.5	115051.9	105175.1	92241.3	80044.4	66957.4	55219.4
-20°	80838.3	87479.1	91576.8	92962.8	91576.8	87479.1	80838.3	71900.0	63039.0	53371.6	45257.1



REPORT NUMBER: P1305422 (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°	61574.8	66067.4	68823.6	69753.0	68823.6	66067.4	61574.8	55480.9	49104.4	42781.2	37000.8
-25°	46811.2	49698.9	51463.0	52056.5	51463.0	49698.9	46811.2	42871.5	38466.5	34789.6	30733.9
-27.5°	36336.5	37993.7	39002.8	39341.7	39002.8	37993.7	36336.5	34065.7	31227.0	28469.1	25324.8
-30°	29011.0	30241.3	30988.6	31239.3	30988.6	30241.3	29011.0	27319.2	25193.5	22935.9	20445.4
-32.5°	22854.7	23816.4	24399.5	24594.9	24399.5	23816.4	22854.7	21528.6	19856.6	17990.1	15984.9
-35°	17496.9	18262.9	18726.5	18881.8	18726.5	18262.9	17496.9	16438.4	15100.2	13533.8	11853.6
-37.5°	12744.3	13380.2	13764.7	13893.4	13764.7	13380.2	12744.3	11863.8	10748.1	9408.4	8086.9
-40°	8472.2	8965.9	9264.1	9363.8	9264.1	8965.9	8472.2	7787.7	6918.8	5873.0	4970.0
-42.5°	5001.4	5291.6	5466.7	5525.2	5466.7	5291.6	5001.4	4598.6	4086.4	3468.8	3014.6
-45°	2988.1	3030.6	3056.2	3064.8	3056.2	3030.6	2988.1	2929.1	2853.9	2763.1	2661.2
-47.5°	2620.8	2649.2	2666.3	2672.0	2666.3	2649.2	2620.8	2581.3	2530.9	2470.0	2398.9
-50°	2333.3	2362.4	2379.9	2385.8	2379.9	2362.4	2333.3	2292.8	2241.1	2178.5	2105.4
-52.5°	2031.7	2050.6	2062.0	2065.8	2062.0	2050.6	2031.7	2005.4	1971.9	1931.2	1883.5
-55°	1815.5	1828.5	1836.3	1838.9	1836.3	1828.5	1815.5	1797.4	1774.2	1746.2	1713.3
-57.5°	1640.5	1655.7	1664.8	1667.9	1664.8	1655.7	1640.5	1619.2	1592.1	1559.1	1520.5
-60°	1415.3	1433.3	1444.2	1447.8	1444.2	1433.3	1415.3	1390.1	1357.9	1318.7	1272.8
-62.5°	1129.3	1146.3	1156.5	1159.9	1156.5	1146.3	1129.3	1105.7	1075.4	1038.6	995.4
-65°	835.6	849.3	857.5	860.2	857.5	849.3	835.6	816.6	792.2	762.5	727.7
-67.5°	572.9	582.9	589.0	591.0	589.0	582.9	572.9	558.8	540.8	518.9	493.1
-70°	356.3	362.5	366.2	367.4	366.2	362.5	356.3	347.7	336.7	323.2	307.5
-72.5°	206.0	209.2	211.1	211.7	211.1	209.2	206.0	201.7	196.0	189.2	181.2
-75°	116.7	118.7	119.8	120.2	119.8	118.7	116.7	114.0	110.6	106.4	101.5
-77.5°	53.0	53.7	54.1	54.2	54.1	53.7	53.0	52.1	50.9	49.5	47.8
-80°	26.8	27.0	27.1	27.1	27.1	27.0	26.8	26.6	26.3	25.9	25.5
-82.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.2	18.0	17.7	17.4
-85°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.7
-87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	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):**

	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°	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6
85°	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.5	7.2
82.5°	17.1	16.7	16.2	15.7	15.2	14.6	14.0	13.4	12.7	12.0	11.2
80°	25.0	24.5	23.9	23.2	22.5	21.7	20.9	20.0	19.1	18.1	17.1
77.5°	45.9	43.7	41.3	38.7	35.8	32.7	29.4	26.7	25.5	24.3	23.0
75°	95.8	89.4	82.3	74.6	66.1	57.1	51.4	47.1	42.7	37.9	33.0
72.5°	171.9	161.6	150.0	137.4	123.7	112.1	100.7	88.6	75.8	62.4	51.8
70°	289.4	269.0	246.4	221.7	201.8	184.8	166.7	147.4	127.1	109.8	93.7
67.5°	463.6	430.4	393.6	357.6	327.2	294.5	259.6	222.5	195.1	171.0	145.8
65°	687.8	642.9	593.3	547.7	498.8	446.2	390.2	341.9	298.2	252.5	207.6
62.5°	946.0	890.4	832.1	771.7	706.3	636.2	566.4	500.6	431.4	361.4	308.7
60°	1220.3	1161.3	1093.5	1019.4	939.2	853.9	771.7	684.7	593.3	513.3	430.4
57.5°	1476.4	1420.4	1348.9	1270.8	1186.5	1093.5	993.5	887.9	785.4	681.1	575.7
55°	1675.7	1623.9	1564.1	1499.0	1422.9	1324.6	1220.3	1108.1	987.8	862.2	744.7
52.5°	1831.6	1785.8	1735.3	1680.4	1607.7	1526.3	1437.7	1318.7	1194.1	1060.2	919.7
50°	2034.8	1968.8	1896.2	1822.6	1758.6	1690.3	1603.8	1506.0	1390.1	1250.7	1104.0
47.5°	2310.1	2209.3	2098.5	2003.8	1912.3	1820.8	1743.2	1660.0	1550.5	1433.3	1279.2
45°	2573.7	2476.2	2367.3	2237.9	2099.2	1985.0	1874.9	1779.0	1688.3	1573.0	1447.8
42.5°	2884.6	2740.2	2606.6	2482.2	2344.9	2187.2	2034.3	1911.3	1797.0	1697.1	1573.0
40°	4090.1	3114.7	2902.8	2719.7	2564.5	2414.0	2240.7	2059.1	1923.5	1797.0	1688.3
37.5°	6604.3	5166.3	4023.2	3021.7	2813.1	2614.6	2446.7	2258.6	2059.1	1911.3	1779.0
35°	9964.5	8108.9	6195.6	4641.3	3248.5	2860.3	2631.4	2446.7	2240.7	2034.3	1874.9
32.5°	13752.9	11513.8	9135.3	6946.8	4954.2	3400.9	2860.3	2614.6	2414.0	2187.2	1985.0
30°	17821.6	15170.3	12462.2	9708.4	7199.4	4954.2	3248.5	2813.1	2564.5	2344.9	2099.2
27.5°	22222.3	18959.2	15898.0	12781.6	9708.4	6946.8	4641.3	3021.7	2719.7	2482.2	2237.9
25°	26964.7	23128.0	19395.0	15898.0	12462.2	9135.3	6195.6	4023.2	2902.8	2606.6	2367.3
22.5°	32036.1	27519.2	23128.0	18959.2	15170.3	11513.8	8108.9	5166.3	3114.7	2740.2	2476.2
20°	37750.7	32036.1	26964.7	22222.3	17821.6	13752.9	9964.5	6604.3	4090.1	2884.6	2573.7
17.5°	45257.1	37000.8	30733.9	25324.8	20445.4	15984.9	11853.6	8086.9	4970.0	3014.6	2661.2
15°	53371.6	42781.2	34789.6	28469.1	22935.9	17990.1	13533.8	9408.4	5873.0	3468.8	2763.1
12.5°	63039.0	49104.4	38466.5	31227.0	25193.5	19856.6	15100.2	10748.1	6918.8	4086.4	2853.9
10°	71900.0	55480.9	42871.5	34065.7	27319.2	21528.6	16438.4	11863.8	7787.7	4598.6	2929.1
7.5°	80838.3	61574.8	46811.2	36336.5	29011.0	22854.7	17496.9	12744.3	8472.2	5001.4	2988.1
5°	87479.1	66067.4	49698.9	37993.7	30241.3	23816.4	18262.9	13380.2	8965.9	5291.6	3030.6
2.5°	91576.8	68823.6	51463.0	39002.8	30988.6	24399.5	18726.5	13764.7	9264.1	5466.7	3056.2
0°	92962.8	69753.0	52056.5	39341.7	31239.3	24594.9	18881.8	13893.4	9363.8	5525.2	3064.8
-2.5°	91576.8	68823.6	51463.0	39002.8	30988.6	24399.5	18726.5	13764.7	9264.1	5466.7	3056.2
-5°	87479.1	66067.4	49698.9	37993.7	30241.3	23816.4	18262.9	13380.2	8965.9	5291.6	3030.6
-7.5°	80838.3	61574.8	46811.2	36336.5	29011.0	22854.7	17496.9	12744.3	8472.2	5001.4	2988.1
-10°	71900.0	55480.9	42871.5	34065.7	27319.2	21528.6	16438.4	11863.8	7787.7	4598.6	2929.1
-12.5°	63039.0	49104.4	38466.5	31227.0	25193.5	19856.6	15100.2	10748.1	6918.8	4086.4	2853.9
-15°	53371.6	42781.2	34789.6	28469.1	22935.9	17990.1	13533.8	9408.4	5873.0	3468.8	2763.1
-17.5°	45257.1	37000.8	30733.9	25324.8	20445.4	15984.9	11853.6	8086.9	4970.0	3014.6	2661.2
-20°	37750.7	32036.1	26964.7	22222.3	17821.6	13752.9	9964.5	6604.3	4090.1	2884.6	2573.7



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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°	32036.1	27519.2	23128.0	18959.2	15170.3	11513.8	8108.9	5166.3	3114.7	2740.2	2476.2
-25°	26964.7	23128.0	19395.0	15898.0	12462.2	9135.3	6195.6	4023.2	2902.8	2606.6	2367.3
-27.5°	22222.3	18959.2	15898.0	12781.6	9708.4	6946.8	4641.3	3021.7	2719.7	2482.2	2237.9
-30°	17821.6	15170.3	12462.2	9708.4	7199.4	4954.2	3248.5	2813.1	2564.5	2344.9	2099.2
-32.5°	13752.9	11513.8	9135.3	6946.8	4954.2	3400.9	2860.3	2614.6	2414.0	2187.2	1985.0
-35°	9964.5	8108.9	6195.6	4641.3	3248.5	2860.3	2631.4	2446.7	2240.7	2034.3	1874.9
-37.5°	6604.3	5166.3	4023.2	3021.7	2813.1	2614.6	2446.7	2258.6	2059.1	1911.3	1779.0
-40°	4090.1	3114.7	2902.8	2719.7	2564.5	2414.0	2240.7	2059.1	1923.5	1797.0	1688.3
-42.5°	2884.6	2740.2	2606.6	2482.2	2344.9	2187.2	2034.3	1911.3	1797.0	1697.1	1573.0
-45°	2573.7	2476.2	2367.3	2237.9	2099.2	1985.0	1874.9	1779.0	1688.3	1573.0	1447.8
-47.5°	2310.1	2209.3	2098.5	2003.8	1912.3	1820.8	1743.2	1660.0	1550.5	1433.3	1279.2
-50°	2034.8	1968.8	1896.2	1822.6	1758.6	1690.3	1603.8	1506.0	1390.1	1250.7	1104.0
-52.5°	1831.6	1785.8	1735.3	1680.4	1607.7	1526.3	1437.7	1318.7	1194.1	1060.2	919.7
-55°	1675.7	1623.9	1564.1	1499.0	1422.9	1324.6	1220.3	1108.1	987.8	862.2	744.7
-57.5°	1476.4	1420.4	1348.9	1270.8	1186.5	1093.5	993.5	887.9	785.4	681.1	575.7
-60°	1220.3	1161.3	1093.5	1019.4	939.2	853.9	771.7	684.7	593.3	513.3	430.4
-62.5°	946.0	890.4	832.1	771.7	706.3	636.2	566.4	500.6	431.4	361.4	308.7
-65°	687.8	642.9	593.3	547.7	498.8	446.2	390.2	341.9	298.2	252.5	207.6
-67.5°	463.6	430.4	393.6	357.6	327.2	294.5	259.6	222.5	195.1	171.0	145.8
-70°	289.4	269.0	246.4	221.7	201.8	184.8	166.7	147.4	127.1	109.8	93.7
-72.5°	171.9	161.6	150.0	137.4	123.7	112.1	100.7	88.6	75.8	62.4	51.8
-75°	95.8	89.4	82.3	74.6	66.1	57.1	51.4	47.1	42.7	37.9	33.0
-77.5°	45.9	43.7	41.3	38.7	35.8	32.7	29.4	26.7	25.5	24.3	23.0
-80°	25.0	24.5	23.9	23.2	22.5	21.7	20.9	20.0	19.1	18.1	17.1
-82.5°	17.1	16.7	16.2	15.7	15.2	14.6	14.0	13.4	12.7	12.0	11.2
-85°	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.5	7.2
-87.5°	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6
-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: P1305422 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-4S-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°	3.4	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0	1.7	1.5
85°	6.9	6.6	6.2	5.8	5.5	5.1	4.7	4.3	3.9	3.5	3.1
82.5°	10.4	9.8	9.3	8.8	8.2	7.6	7.0	6.5	5.8	5.2	4.6
80°	16.0	14.9	13.8	12.6	11.4	10.2	9.4	8.6	7.8	6.9	6.1
77.5°	21.7	20.3	18.8	17.4	15.8	14.3	12.7	11.0	9.7	8.7	7.6
75°	27.9	25.7	23.9	22.1	20.3	18.4	16.5	14.5	12.5	10.5	9.1
72.5°	45.8	39.5	33.0	26.9	24.7	22.5	20.2	17.9	15.6	13.2	10.8
70°	76.9	59.5	49.0	41.3	33.5	26.6	24.0	21.4	18.7	16.0	13.2
67.5°	119.8	100.1	79.8	58.9	47.3	38.3	29.0	24.7	21.7	18.7	15.6
65°	178.4	148.1	117.8	94.6	70.7	50.9	40.7	30.2	24.7	21.4	17.9
62.5°	253.9	203.1	168.7	133.3	103.4	76.6	52.1	40.7	29.0	24.0	20.2
60°	351.4	289.4	225.5	181.2	141.6	106.4	76.6	50.9	38.3	26.6	22.5
57.5°	482.3	385.7	310.9	239.7	185.3	141.6	103.4	70.7	47.3	33.5	24.7
55°	623.2	513.6	406.5	318.0	239.7	181.2	133.3	94.6	58.9	41.3	26.9
52.5°	783.2	648.7	524.1	406.5	310.9	225.5	168.7	117.8	79.8	49.0	33.0
50°	948.7	796.1	648.7	513.6	385.7	289.4	203.1	148.1	100.1	59.5	39.5
47.5°	1118.7	948.7	783.2	623.2	482.3	351.4	253.9	178.4	119.8	76.9	45.8
45°	1279.2	1104.0	919.7	744.7	575.7	430.4	308.7	207.6	145.8	93.7	51.8
42.5°	1433.3	1250.7	1060.2	862.2	681.1	513.3	361.4	252.5	171.0	109.8	62.4
40°	1550.5	1390.1	1194.1	987.8	785.4	593.3	431.4	298.2	195.1	127.1	75.8
37.5°	1660.0	1506.0	1318.7	1108.1	887.9	684.7	500.6	341.9	222.5	147.4	88.6
35°	1743.2	1603.8	1437.7	1220.3	993.5	771.7	566.4	390.2	259.6	166.7	100.7
32.5°	1820.8	1690.3	1526.3	1324.6	1093.5	853.9	636.2	446.2	294.5	184.8	112.1
30°	1912.3	1758.6	1607.7	1422.9	1186.5	939.2	706.3	498.8	327.2	201.8	123.7
27.5°	2003.8	1822.6	1680.4	1499.0	1270.8	1019.4	771.7	547.7	357.6	221.7	137.4
25°	2098.5	1896.2	1735.3	1564.1	1348.9	1093.5	832.1	593.3	393.6	246.4	150.0
22.5°	2209.3	1968.8	1785.8	1623.9	1420.4	1161.3	890.4	642.9	430.4	269.0	161.6
20°	2310.1	2034.8	1831.6	1675.7	1476.4	1220.3	946.0	687.8	463.6	289.4	171.9
17.5°	2398.9	2105.4	1883.5	1713.3	1520.5	1272.8	995.4	727.7	493.1	307.5	181.2
15°	2470.0	2178.5	1931.2	1746.2	1559.1	1318.7	1038.6	762.5	518.9	323.2	189.2
12.5°	2530.9	2241.1	1971.9	1774.2	1592.1	1357.9	1075.4	792.2	540.8	336.7	196.0
10°	2581.3	2292.8	2005.4	1797.4	1619.2	1390.1	1105.7	816.6	558.8	347.7	201.7
7.5°	2620.8	2333.3	2031.7	1815.5	1640.5	1415.3	1129.3	835.6	572.9	356.3	206.0
5°	2649.2	2362.4	2050.6	1828.5	1655.7	1433.3	1146.3	849.3	582.9	362.5	209.2
2.5°	2666.3	2379.9	2062.0	1836.3	1664.8	1444.2	1156.5	857.5	589.0	366.2	211.1
0°	2672.0	2385.8	2065.8	1838.9	1667.9	1447.8	1159.9	860.2	591.0	367.4	211.7
-2.5°	2666.3	2379.9	2062.0	1836.3	1664.8	1444.2	1156.5	857.5	589.0	366.2	211.1
-5°	2649.2	2362.4	2050.6	1828.5	1655.7	1433.3	1146.3	849.3	582.9	362.5	209.2
-7.5°	2620.8	2333.3	2031.7	1815.5	1640.5	1415.3	1129.3	835.6	572.9	356.3	206.0
-10°	2581.3	2292.8	2005.4	1797.4	1619.2	1390.1	1105.7	816.6	558.8	347.7	201.7
-12.5°	2530.9	2241.1	1971.9	1774.2	1592.1	1357.9	1075.4	792.2	540.8	336.7	196.0
-15°	2470.0	2178.5	1931.2	1746.2	1559.1	1318.7	1038.6	762.5	518.9	323.2	189.2
-17.5°	2398.9	2105.4	1883.5	1713.3	1520.5	1272.8	995.4	727.7	493.1	307.5	181.2
-20°	2310.1	2034.8	1831.6	1675.7	1476.4	1220.3	946.0	687.8	463.6	289.4	171.9



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2209.3	1968.8	1785.8	1623.9	1420.4	1161.3	890.4	642.9	430.4	269.0	161.6
-25°	2098.5	1896.2	1735.3	1564.1	1348.9	1093.5	832.1	593.3	393.6	246.4	150.0
-27.5°	2003.8	1822.6	1680.4	1499.0	1270.8	1019.4	771.7	547.7	357.6	221.7	137.4
-30°	1912.3	1758.6	1607.7	1422.9	1186.5	939.2	706.3	498.8	327.2	201.8	123.7
-32.5°	1820.8	1690.3	1526.3	1324.6	1093.5	853.9	636.2	446.2	294.5	184.8	112.1
-35°	1743.2	1603.8	1437.7	1220.3	993.5	771.7	566.4	390.2	259.6	166.7	100.7
-37.5°	1660.0	1506.0	1318.7	1108.1	887.9	684.7	500.6	341.9	222.5	147.4	88.6
-40°	1550.5	1390.1	1194.1	987.8	785.4	593.3	431.4	298.2	195.1	127.1	75.8
-42.5°	1433.3	1250.7	1060.2	862.2	681.1	513.3	361.4	252.5	171.0	109.8	62.4
-45°	1279.2	1104.0	919.7	744.7	575.7	430.4	308.7	207.6	145.8	93.7	51.8
-47.5°	1118.7	948.7	783.2	623.2	482.3	351.4	253.9	178.4	119.8	76.9	45.8
-50°	948.7	796.1	648.7	513.6	385.7	289.4	203.1	148.1	100.1	59.5	39.5
-52.5°	783.2	648.7	524.1	406.5	310.9	225.5	168.7	117.8	79.8	49.0	33.0
-55°	623.2	513.6	406.5	318.0	239.7	181.2	133.3	94.6	58.9	41.3	26.9
-57.5°	482.3	385.7	310.9	239.7	185.3	141.6	103.4	70.7	47.3	33.5	24.7
-60°	351.4	289.4	225.5	181.2	141.6	106.4	76.6	50.9	38.3	26.6	22.5
-62.5°	253.9	203.1	168.7	133.3	103.4	76.6	52.1	40.7	29.0	24.0	20.2
-65°	178.4	148.1	117.8	94.6	70.7	50.9	40.7	30.2	24.7	21.4	17.9
-67.5°	119.8	100.1	79.8	58.9	47.3	38.3	29.0	24.7	21.7	18.7	15.6
-70°	76.9	59.5	49.0	41.3	33.5	26.6	24.0	21.4	18.7	16.0	13.2
-72.5°	45.8	39.5	33.0	26.9	24.7	22.5	20.2	17.9	15.6	13.2	10.8
-75°	27.9	25.7	23.9	22.1	20.3	18.4	16.5	14.5	12.5	10.5	9.1
-77.5°	21.7	20.3	18.8	17.4	15.8	14.3	12.7	11.0	9.7	8.7	7.6
-80°	16.0	14.9	13.8	12.6	11.4	10.2	9.4	8.6	7.8	6.9	6.1
-82.5°	10.4	9.8	9.3	8.8	8.2	7.6	7.0	6.5	5.8	5.2	4.6
-85°	6.9	6.6	6.2	5.8	5.5	5.1	4.7	4.3	3.9	3.5	3.1
-87.5°	3.4	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0	1.7	1.5
-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°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
85°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
82.5°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
80°	5.3	4.4	3.5	2.6	1.8	0.9	0.0
77.5°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
75°	7.8	6.6	5.3	3.9	2.6	1.3	0.0
72.5°	9.1	7.6	6.1	4.6	3.1	1.5	0.0
70°	10.5	8.7	6.9	5.2	3.5	1.7	0.0
67.5°	12.5	9.7	7.8	5.8	3.9	2.0	0.0
65°	14.5	11.0	8.6	6.5	4.3	2.2	0.0
62.5°	16.5	12.7	9.4	7.0	4.7	2.4	0.0
60°	18.4	14.3	10.2	7.6	5.1	2.5	0.0
57.5°	20.3	15.8	11.4	8.2	5.5	2.7	0.0
55°	22.1	17.4	12.6	8.8	5.8	2.9	0.0
52.5°	23.9	18.8	13.8	9.3	6.2	3.1	0.0
50°	25.7	20.3	14.9	9.8	6.6	3.3	0.0
47.5°	27.9	21.7	16.0	10.4	6.9	3.4	0.0
45°	33.0	23.0	17.1	11.2	7.2	3.6	0.0
42.5°	37.9	24.3	18.1	12.0	7.5	3.8	0.0
40°	42.7	25.5	19.1	12.7	7.8	3.9	0.0
37.5°	47.1	26.7	20.0	13.4	8.1	4.0	0.0
35°	51.4	29.4	20.9	14.0	8.4	4.2	0.0
32.5°	57.1	32.7	21.7	14.6	8.6	4.3	0.0
30°	66.1	35.8	22.5	15.2	8.8	4.4	0.0
27.5°	74.6	38.7	23.2	15.7	9.0	4.5	0.0
25°	82.3	41.3	23.9	16.2	9.2	4.6	0.0
22.5°	89.4	43.7	24.5	16.7	9.4	4.7	0.0
20°	95.8	45.9	25.0	17.1	9.6	4.8	0.0
17.5°	101.5	47.8	25.5	17.4	9.7	4.9	0.0
15°	106.4	49.5	25.9	17.7	9.9	4.9	0.0
12.5°	110.6	50.9	26.3	18.0	10.0	5.0	0.0
10°	114.0	52.1	26.6	18.2	10.0	5.0	0.0
7.5°	116.7	53.0	26.8	18.4	10.1	5.1	0.0
5°	118.7	53.7	27.0	18.5	10.2	5.1	0.0
2.5°	119.8	54.1	27.1	18.6	10.2	5.1	0.0
0°	120.2	54.2	27.1	18.6	10.2	5.1	0.0
-2.5°	119.8	54.1	27.1	18.6	10.2	5.1	0.0
-5°	118.7	53.7	27.0	18.5	10.2	5.1	0.0
-7.5°	116.7	53.0	26.8	18.4	10.1	5.1	0.0
-10°	114.0	52.1	26.6	18.2	10.0	5.0	0.0
-12.5°	110.6	50.9	26.3	18.0	10.0	5.0	0.0
-15°	106.4	49.5	25.9	17.7	9.9	4.9	0.0
-17.5°	101.5	47.8	25.5	17.4	9.7	4.9	0.0
-20°	95.8	45.9	25.0	17.1	9.6	4.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	89.4	43.7	24.5	16.7	9.4	4.7	0.0
-25°	82.3	41.3	23.9	16.2	9.2	4.6	0.0
-27.5°	74.6	38.7	23.2	15.7	9.0	4.5	0.0
-30°	66.1	35.8	22.5	15.2	8.8	4.4	0.0
-32.5°	57.1	32.7	21.7	14.6	8.6	4.3	0.0
-35°	51.4	29.4	20.9	14.0	8.4	4.2	0.0
-37.5°	47.1	26.7	20.0	13.4	8.1	4.0	0.0
-40°	42.7	25.5	19.1	12.7	7.8	3.9	0.0
-42.5°	37.9	24.3	18.1	12.0	7.5	3.8	0.0
-45°	33.0	23.0	17.1	11.2	7.2	3.6	0.0
-47.5°	27.9	21.7	16.0	10.4	6.9	3.4	0.0
-50°	25.7	20.3	14.9	9.8	6.6	3.3	0.0
-52.5°	23.9	18.8	13.8	9.3	6.2	3.1	0.0
-55°	22.1	17.4	12.6	8.8	5.8	2.9	0.0
-57.5°	20.3	15.8	11.4	8.2	5.5	2.7	0.0
-60°	18.4	14.3	10.2	7.6	5.1	2.5	0.0
-62.5°	16.5	12.7	9.4	7.0	4.7	2.4	0.0
-65°	14.5	11.0	8.6	6.5	4.3	2.2	0.0
-67.5°	12.5	9.7	7.8	5.8	3.9	2.0	0.0
-70°	10.5	8.7	6.9	5.2	3.5	1.7	0.0
-72.5°	9.1	7.6	6.1	4.6	3.1	1.5	0.0
-75°	7.8	6.6	5.3	3.9	2.6	1.3	0.0
-77.5°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
-80°	5.3	4.4	3.5	2.6	1.8	0.9	0.0
-82.5°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-85°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
-87.5°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)