

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: P1305423 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-80-5S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305423 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-680R-40-80-5S-HEG-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

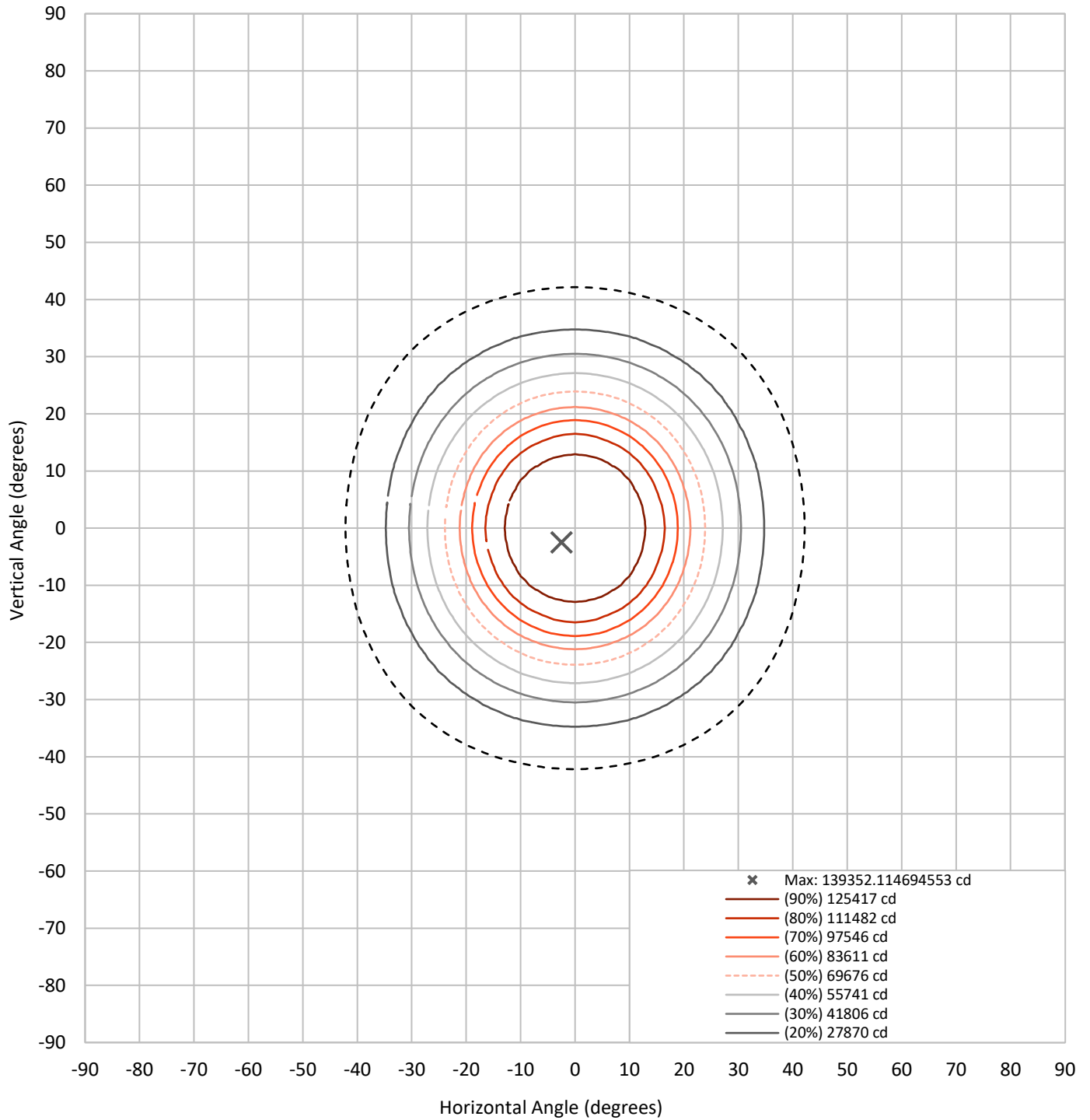
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	101858 lumens	Max Intensity:	139352.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	148.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	57142.3 lumens	Field Lumens:	94906.4 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

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





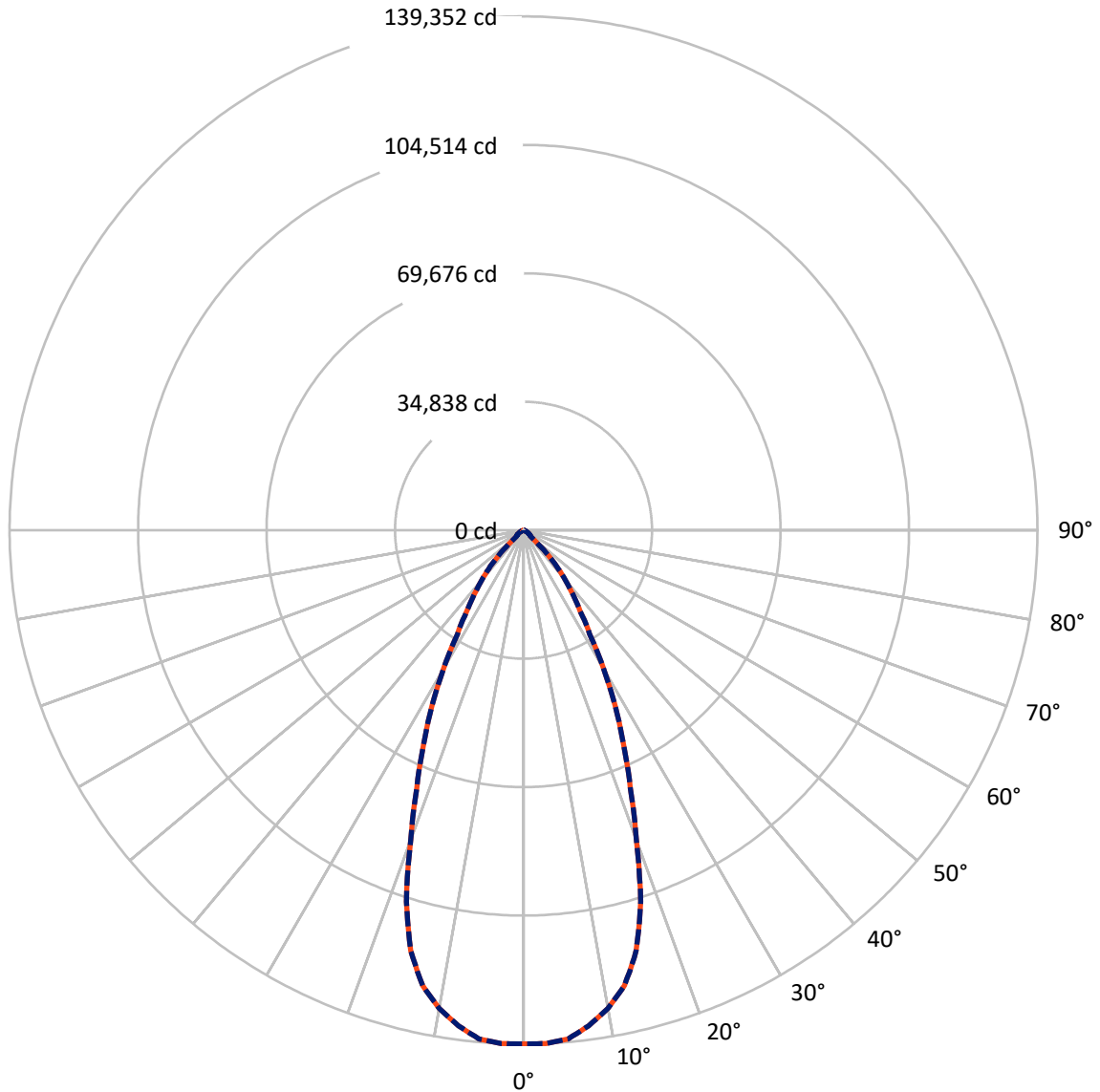
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### Lumen Table

90	0.1	1.0	3.2	6.9	8.8	6.9	3.2	1.0	0.1							
80	0.1	1.0	3.2	6.9	8.8	6.9	3.2	1.0	0.1							
70	0.4	0.5	1.7	4.4	9.0	14.7	19.9	22.8	22.8	19.9	14.7	9.0	4.4	1.7	0.5	0.4
60		1.3	5.2	14.0	27.4	41.8	52.7	58.6	58.6	52.7	41.8	27.4	14.0	5.2	1.3	
50	1.1	2.7	11.5	29.1	50.3	90.6	184.6	259.9	259.9	184.6	90.6	50.3	29.1	11.5	2.7	1.1
40		4.8	19.4	43.5	126.4	382.7	646.1	827.8	827.8	646.1	382.7	126.4	43.5	19.4	4.8	
30	1.9	7.1	26.8	71.6	347.7	791.1	1415.8	1900.2	1900.2	1415.8	791.1	347.7	71.6	26.8	7.1	1.9
20		9.0	31.7	138.4	551.5	1332.4	2475.9	3373.2	3373.2	2475.9	1332.4	551.5	138.4	31.7	9.0	
10	2.4	10.1	34.1	189.2	686.2	1736.0	3274.9	4087.9	4087.9	3274.9	1736.0	686.2	189.2	34.1	10.1	2.4
0		10.1	34.1	189.2	686.2	1736.0	3274.9	4087.9	4087.9	3274.9	1736.0	686.2	189.2	34.1	10.1	
-10	1.9	9.0	31.7	138.4	551.5	1332.4	2475.9	3373.2	3373.2	2475.9	1332.4	551.5	138.4	31.7	9.0	1.9
-20		7.1	26.8	71.6	347.7	791.1	1415.8	1900.2	1900.2	1415.8	791.1	347.7	71.6	26.8	7.1	
-30	1.1	4.8	19.4	43.5	126.4	382.7	646.1	827.8	827.8	646.1	382.7	126.4	43.5	19.4	4.8	1.1
-40		2.7	11.5	29.1	50.3	90.6	184.6	259.9	259.9	184.6	90.6	50.3	29.1	11.5	2.7	
-50	0.4	1.3	5.2	14.0	27.4	41.8	52.7	58.6	58.6	52.7	41.8	27.4	14.0	5.2	1.3	0.4
-60		0.5	1.7	4.4	9.0	14.7	19.9	22.8	22.8	19.9	14.7	9.0	4.4	1.7	0.5	
-70	0.1	1.0	3.2	6.9	8.8	6.9	3.2	1.0	0.1							
-80		0.1	1.0	3.2	6.9	8.8	6.9	3.2	1.0	0.1						
-90	0.1	1.0	3.2	6.9	8.8	6.9	3.2	1.0	0.1							

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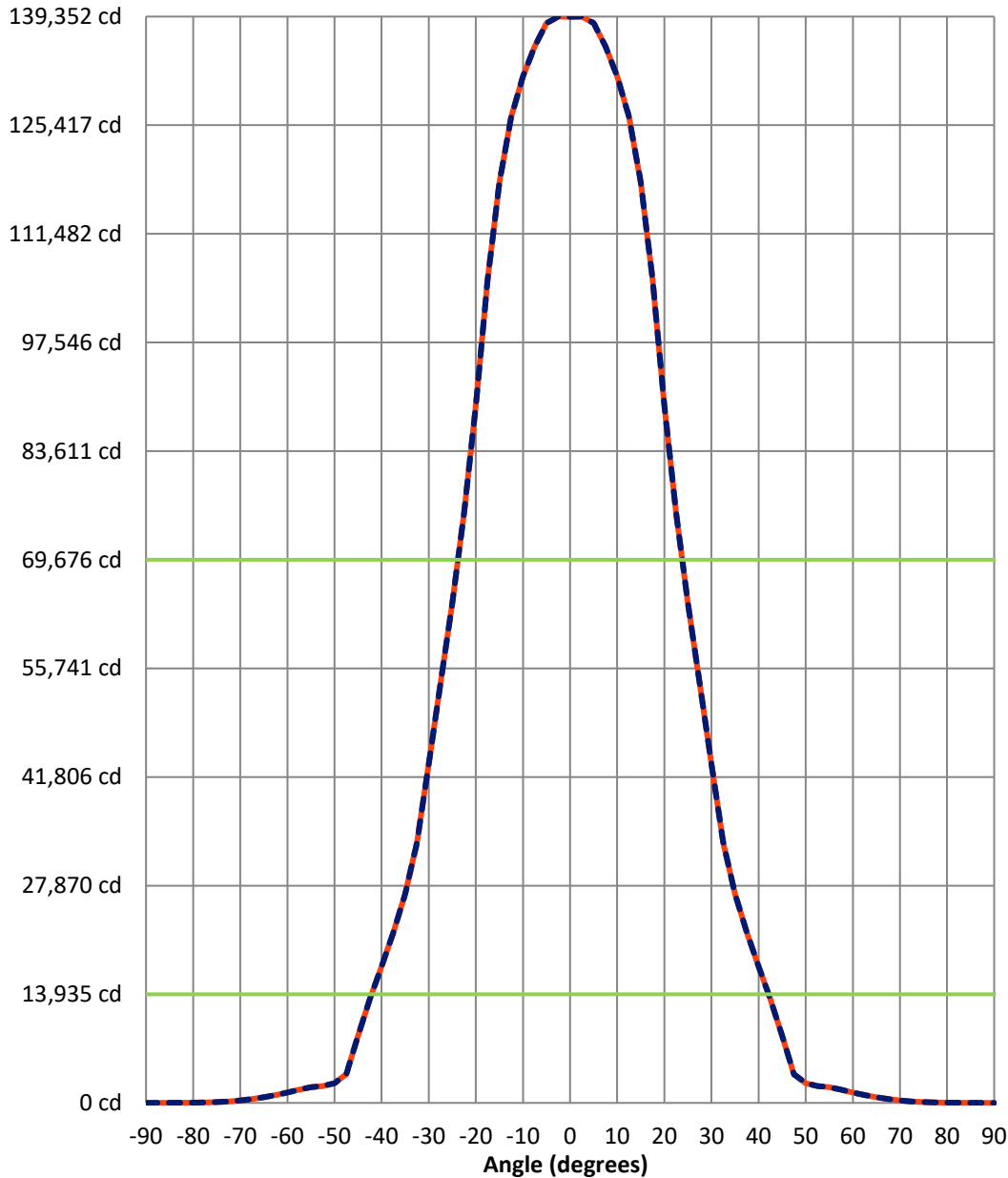
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg    - - - Horizontal Distribution Through -2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
H Angle: 47.6°  
V Angle: 47.6°  
Lumens: 57142.3  
Efficiency: 56.1%

**Field:**  
H Angle: 84.3°  
V Angle: 84.3°  
Lumens: 94906.4  
Efficiency: 93.2%

**Spill:**  
Lumens: 6951.6  
Efficiency: 6.8%

— Vertical Distribution through -2.5-Deg  
- - Horizontal Distribution through -2.5-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	1.5	1.8	2.0	2.3	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
80°	0.0	1.2	2.4	3.5	4.7	5.9	7.0	8.1	9.2	10.3	11.4
77.5°	0.0	1.5	2.9	4.4	5.9	7.3	8.7	10.1	11.5	12.8	14.3
75°	0.0	1.8	3.5	5.3	7.0	8.7	10.4	12.1	13.8	15.8	17.9
72.5°	0.0	2.0	4.1	6.1	8.1	10.1	12.1	14.1	16.6	19.0	21.3
70°	0.0	2.3	4.6	7.0	9.2	11.5	13.8	16.6	19.3	22.1	25.8
67.5°	0.0	2.6	5.2	7.8	10.3	12.8	15.8	19.0	22.1	26.3	30.5
65°	0.0	2.9	5.7	8.6	11.4	14.3	17.9	21.3	25.8	30.5	36.9
62.5°	0.0	3.1	6.3	9.4	12.4	16.0	19.8	24.3	29.5	35.7	47.4
60°	0.0	3.4	6.8	10.1	13.4	17.6	21.8	27.4	33.1	45.0	57.6
57.5°	0.0	3.7	7.3	10.9	14.7	19.2	24.3	30.5	40.2	54.0	73.1
55°	0.0	3.9	7.8	11.6	15.9	20.7	26.9	33.5	48.0	64.4	90.9
52.5°	0.0	4.1	8.3	12.3	17.1	22.3	29.4	39.7	55.7	79.9	108.1
50°	0.0	4.4	8.7	13.0	18.3	24.3	31.8	46.2	64.8	95.0	131.6
47.5°	0.0	4.6	9.1	13.7	19.4	26.3	34.6	52.5	77.8	109.6	155.1
45°	0.0	4.8	9.6	14.5	20.5	28.2	39.7	58.5	90.2	129.8	177.8
42.5°	0.0	5.0	10.0	15.3	21.5	29.9	44.6	67.0	102.2	149.4	216.4
40°	0.0	5.2	10.4	16.0	22.7	31.6	49.4	76.9	115.3	168.1	256.2
37.5°	0.0	5.4	10.7	16.7	24.0	33.3	53.8	86.4	131.1	190.4	294.1
35°	0.0	5.6	11.1	17.4	25.2	36.1	58.1	95.4	146.0	222.6	335.1
32.5°	0.0	5.7	11.4	18.0	26.3	39.4	63.0	103.9	160.1	252.9	381.3
30°	0.0	5.9	11.7	18.6	27.4	42.5	69.8	112.6	173.3	281.4	424.6
27.5°	0.0	6.0	12.0	19.1	28.4	45.4	76.0	123.3	189.7	307.8	464.9
25°	0.0	6.2	12.2	19.6	29.3	48.0	81.8	133.1	211.2	337.9	502.5
22.5°	0.0	6.3	12.5	20.0	30.2	50.4	87.1	142.0	230.8	368.3	545.0
20°	0.0	6.4	12.7	20.5	30.9	52.6	91.8	150.1	248.5	395.6	583.3
17.5°	0.0	6.5	12.9	20.8	31.6	54.5	96.0	157.3	264.2	419.9	617.4
15°	0.0	6.6	13.0	21.1	32.2	56.2	99.7	163.5	277.9	441.2	647.1
12.5°	0.0	6.6	13.2	21.4	32.7	57.6	102.8	168.8	289.6	459.2	672.5
10°	0.0	6.7	13.3	21.6	33.1	58.8	105.3	173.2	299.2	474.1	693.3
7.5°	0.0	6.7	13.4	21.8	33.4	59.7	107.3	176.6	306.6	485.6	709.6
5°	0.0	6.8	13.4	21.9	33.6	60.4	108.8	179.0	312.0	493.9	721.3
2.5°	0.0	6.8	13.5	22.0	33.8	60.8	109.6	180.5	315.2	498.9	728.3
0°	0.0	6.8	13.5	22.0	33.8	60.9	109.9	181.0	316.3	500.6	730.6
-2.5°	0.0	6.8	13.5	22.0	33.8	60.9	109.9	181.0	316.3	500.6	730.6
-5°	0.0	6.8	13.4	21.9	33.6	60.4	108.8	179.0	312.0	493.9	721.3
-7.5°	0.0	6.7	13.4	21.8	33.4	59.7	107.3	176.6	306.6	485.6	709.6
-10°	0.0	6.7	13.3	21.6	33.1	58.8	105.3	173.2	299.2	474.1	693.3
-12.5°	0.0	6.6	13.2	21.4	32.7	57.6	102.8	168.8	289.6	459.2	672.5
-15°	0.0	6.6	13.0	21.1	32.2	56.2	99.7	163.5	277.9	441.2	647.1
-17.5°	0.0	6.5	12.9	20.8	31.6	54.5	96.0	157.3	264.2	419.9	617.4
-20°	0.0	6.4	12.7	20.5	30.9	52.6	91.8	150.1	248.5	395.6	583.3



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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	6.3	12.5	20.0	30.2	50.4	87.1	142.0	230.8	368.3	545.0
-25°	0.0	6.2	12.2	19.6	29.3	48.0	81.8	133.1	211.2	337.9	502.5
-27.5°	0.0	6.0	12.0	19.1	28.4	45.4	76.0	123.3	189.7	307.8	464.9
-30°	0.0	5.9	11.7	18.6	27.4	42.5	69.8	112.6	173.3	281.4	424.6
-32.5°	0.0	5.7	11.4	18.0	26.3	39.4	63.0	103.9	160.1	252.9	381.3
-35°	0.0	5.6	11.1	17.4	25.2	36.1	58.1	95.4	146.0	222.6	335.1
-37.5°	0.0	5.4	10.7	16.7	24.0	33.3	53.8	86.4	131.1	190.4	294.1
-40°	0.0	5.2	10.4	16.0	22.7	31.6	49.4	76.9	115.3	168.1	256.2
-42.5°	0.0	5.0	10.0	15.3	21.5	29.9	44.6	67.0	102.2	149.4	216.4
-45°	0.0	4.8	9.6	14.5	20.5	28.2	39.7	58.5	90.2	129.8	177.8
-47.5°	0.0	4.6	9.1	13.7	19.4	26.3	34.6	52.5	77.8	109.6	155.1
-50°	0.0	4.4	8.7	13.0	18.3	24.3	31.8	46.2	64.8	95.0	131.6
-52.5°	0.0	4.1	8.3	12.3	17.1	22.3	29.4	39.7	55.7	79.9	108.1
-55°	0.0	3.9	7.8	11.6	15.9	20.7	26.9	33.5	48.0	64.4	90.9
-57.5°	0.0	3.7	7.3	10.9	14.7	19.2	24.3	30.5	40.2	54.0	73.1
-60°	0.0	3.4	6.8	10.1	13.4	17.6	21.8	27.4	33.1	45.0	57.6
-62.5°	0.0	3.1	6.3	9.4	12.4	16.0	19.8	24.3	29.5	35.7	47.4
-65°	0.0	2.9	5.7	8.6	11.4	14.3	17.9	21.3	25.8	30.5	36.9
-67.5°	0.0	2.6	5.2	7.8	10.3	12.8	15.8	19.0	22.1	26.3	30.5
-70°	0.0	2.3	4.6	7.0	9.2	11.5	13.8	16.6	19.3	22.1	25.8
-72.5°	0.0	2.0	4.1	6.1	8.1	10.1	12.1	14.1	16.6	19.0	21.3
-75°	0.0	1.8	3.5	5.3	7.0	8.7	10.4	12.1	13.8	15.8	17.9
-77.5°	0.0	1.5	2.9	4.4	5.9	7.3	8.7	10.1	11.5	12.8	14.3
-80°	0.0	1.2	2.4	3.5	4.7	5.9	7.0	8.1	9.2	10.3	11.4
-82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
-85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
-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):**

	-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	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
85°	6.3	6.8	7.3	7.8	8.3	8.7	9.1	9.6	10.0	10.4	10.7
82.5°	9.4	10.1	10.9	11.6	12.3	13.0	13.7	14.5	15.3	16.0	16.7
80°	12.4	13.4	14.7	15.9	17.1	18.3	19.4	20.5	21.5	22.7	24.0
77.5°	16.0	17.6	19.2	20.7	22.3	24.3	26.3	28.2	29.9	31.6	33.3
75°	19.8	21.8	24.3	26.9	29.4	31.8	34.6	39.7	44.6	49.4	53.8
72.5°	24.3	27.4	30.5	33.5	39.7	46.2	52.5	58.5	67.0	76.9	86.4
70°	29.5	33.1	40.2	48.0	55.7	64.8	77.8	90.2	102.2	115.3	131.1
67.5°	35.7	45.0	54.0	64.4	79.9	95.0	109.6	129.8	149.4	168.1	190.4
65°	47.4	57.6	73.1	90.9	108.1	131.6	155.1	177.8	216.4	256.2	294.1
62.5°	58.8	77.5	97.5	120.1	147.6	174.3	217.6	265.3	311.1	369.0	426.1
60°	77.5	99.7	126.5	157.3	193.0	248.5	302.4	368.3	436.6	502.5	580.7
57.5°	97.5	126.5	160.5	205.3	267.2	331.4	411.0	488.0	577.6	666.7	756.5
55°	120.1	157.3	205.3	273.4	348.5	436.8	528.1	631.9	732.5	850.1	962.8
52.5°	147.6	193.0	267.2	348.5	445.5	549.9	664.8	786.4	917.9	1049.9	1190.5
50°	174.3	248.5	331.4	436.8	549.9	675.8	813.5	959.0	1113.8	1271.0	1433.6
47.5°	217.6	302.4	411.0	528.1	664.8	813.5	972.7	1145.9	1319.8	1508.1	1691.5
45°	265.3	368.3	488.0	631.9	786.4	959.0	1145.9	1336.1	1545.7	1742.6	1911.3
42.5°	311.1	436.6	577.6	732.5	917.9	1113.8	1319.8	1545.7	1759.1	1944.8	2068.0
40°	369.0	502.5	666.7	850.1	1049.9	1271.0	1508.1	1742.6	1944.8	2075.6	2160.5
37.5°	426.1	580.7	756.5	962.8	1190.5	1433.6	1691.5	1911.3	2068.0	2160.5	2386.9
35°	480.3	655.0	855.5	1079.4	1324.7	1597.4	1844.8	2045.2	2145.0	2366.2	2785.9
32.5°	539.2	725.2	949.1	1197.2	1467.6	1746.4	1989.0	2114.2	2304.6	2650.2	3481.0
30°	599.1	804.6	1041.3	1308.0	1603.9	1873.3	2068.6	2203.2	2486.2	3273.6	5517.4
27.5°	655.0	879.7	1136.4	1421.9	1727.9	1992.3	2125.9	2363.0	2932.6	4327.3	8175.6
25°	706.6	949.1	1224.5	1530.9	1830.0	2058.5	2202.4	2512.1	3447.9	6660.9	10555.6
22.5°	758.9	1012.9	1305.2	1630.9	1923.9	2104.0	2330.0	2907.8	4588.0	8820.3	12739.3
20°	810.9	1079.4	1383.9	1719.3	2009.1	2145.3	2446.2	3311.7	6428.8	10683.4	14606.7
17.5°	857.2	1138.7	1457.9	1789.1	2050.6	2210.3	2587.9	3674.4	8085.3	12364.2	16230.6
15°	897.7	1190.5	1522.6	1850.2	2080.4	2294.6	2882.3	4879.4	9496.7	13805.7	17672.2
12.5°	932.2	1234.6	1577.7	1902.4	2105.9	2366.7	3134.5	6036.7	10676.4	14951.1	18966.8
10°	960.5	1271.0	1623.2	1945.5	2126.9	2426.2	3343.1	6994.9	11654.8	15902.9	20044.8
7.5°	982.7	1299.4	1658.7	1979.1	2143.4	2472.9	3506.7	7747.5	12424.2	16652.6	20895.6
5°	998.6	1319.8	1684.2	2003.3	2155.2	2506.5	3624.4	8289.2	12978.5	17193.3	21510.1
2.5°	1008.1	1332.0	1699.6	2017.8	2162.3	2526.7	3695.3	8615.8	13313.0	17519.9	21881.7
0°	1011.3	1336.1	1704.7	2022.7	2164.7	2533.4	3719.0	8724.9	13424.8	17629.1	22006.0
-2.5°	1008.1	1332.0	1699.6	2017.8	2162.3	2526.7	3695.3	8615.8	13313.0	17519.9	21881.7
-5°	998.6	1319.8	1684.2	2003.3	2155.2	2506.5	3624.4	8289.2	12978.5	17193.3	21510.1
-7.5°	982.7	1299.4	1658.7	1979.1	2143.4	2472.9	3506.7	7747.5	12424.2	16652.6	20895.6
-10°	960.5	1271.0	1623.2	1945.5	2126.9	2426.2	3343.1	6994.9	11654.8	15902.9	20044.8
-12.5°	932.2	1234.6	1577.7	1902.4	2105.9	2366.7	3134.5	6036.7	10676.4	14951.1	18966.8
-15°	897.7	1190.5	1522.6	1850.2	2080.4	2294.6	2882.3	4879.4	9496.7	13805.7	17672.2
-17.5°	857.2	1138.7	1457.9	1789.1	2050.6	2210.3	2587.9	3674.4	8085.3	12364.2	16230.6
-20°	810.9	1079.4	1383.9	1719.3	2009.1	2145.3	2446.2	3311.7	6428.8	10683.4	14606.7



REPORT NUMBER: P1305423 (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°	758.9	1012.9	1305.2	1630.9	1923.9	2104.0	2330.0	2907.8	4588.0	8820.3	12739.3
-25°	706.6	949.1	1224.5	1530.9	1830.0	2058.5	2202.4	2512.1	3447.9	6660.9	10555.6
-27.5°	655.0	879.7	1136.4	1421.9	1727.9	1992.3	2125.9	2363.0	2932.6	4327.3	8175.6
-30°	599.1	804.6	1041.3	1308.0	1603.9	1873.3	2068.6	2203.2	2486.2	3273.6	5517.4
-32.5°	539.2	725.2	949.1	1197.2	1467.6	1746.4	1989.0	2114.2	2304.6	2650.2	3481.0
-35°	480.3	655.0	855.5	1079.4	1324.7	1597.4	1844.8	2045.2	2145.0	2366.2	2785.9
-37.5°	426.1	580.7	756.5	962.8	1190.5	1433.6	1691.5	1911.3	2068.0	2160.5	2386.9
-40°	369.0	502.5	666.7	850.1	1049.9	1271.0	1508.1	1742.6	1944.8	2075.6	2160.5
-42.5°	311.1	436.6	577.6	732.5	917.9	1113.8	1319.8	1545.7	1759.1	1944.8	2068.0
-45°	265.3	368.3	488.0	631.9	786.4	959.0	1145.9	1336.1	1545.7	1742.6	1911.3
-47.5°	217.6	302.4	411.0	528.1	664.8	813.5	972.7	1145.9	1319.8	1508.1	1691.5
-50°	174.3	248.5	331.4	436.8	549.9	675.8	813.5	959.0	1113.8	1271.0	1433.6
-52.5°	147.6	193.0	267.2	348.5	445.5	549.9	664.8	786.4	917.9	1049.9	1190.5
-55°	120.1	157.3	205.3	273.4	348.5	436.8	528.1	631.9	732.5	850.1	962.8
-57.5°	97.5	126.5	160.5	205.3	267.2	331.4	411.0	488.0	577.6	666.7	756.5
-60°	77.5	99.7	126.5	157.3	193.0	248.5	302.4	368.3	436.6	502.5	580.7
-62.5°	58.8	77.5	97.5	120.1	147.6	174.3	217.6	265.3	311.1	369.0	426.1
-65°	47.4	57.6	73.1	90.9	108.1	131.6	155.1	177.8	216.4	256.2	294.1
-67.5°	35.7	45.0	54.0	64.4	79.9	95.0	109.6	129.8	149.4	168.1	190.4
-70°	29.5	33.1	40.2	48.0	55.7	64.8	77.8	90.2	102.2	115.3	131.1
-72.5°	24.3	27.4	30.5	33.5	39.7	46.2	52.5	58.5	67.0	76.9	86.4
-75°	19.8	21.8	24.3	26.9	29.4	31.8	34.6	39.7	44.6	49.4	53.8
-77.5°	16.0	17.6	19.2	20.7	22.3	24.3	26.3	28.2	29.9	31.6	33.3
-80°	12.4	13.4	14.7	15.9	17.1	18.3	19.4	20.5	21.5	22.7	24.0
-82.5°	9.4	10.1	10.9	11.6	12.3	13.0	13.7	14.5	15.3	16.0	16.7
-85°	6.3	6.8	7.3	7.8	8.3	8.7	9.1	9.6	10.0	10.4	10.7
-87.5°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
-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):**

	-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°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
85°	11.1	11.4	11.7	12.0	12.2	12.5	12.7	12.9	13.0	13.2	13.3
82.5°	17.4	18.0	18.6	19.1	19.6	20.0	20.5	20.8	21.1	21.4	21.6
80°	25.2	26.3	27.4	28.4	29.3	30.2	30.9	31.6	32.2	32.7	33.1
77.5°	36.1	39.4	42.5	45.4	48.0	50.4	52.6	54.5	56.2	57.6	58.8
75°	58.1	63.0	69.8	76.0	81.8	87.1	91.8	96.0	99.7	102.8	105.3
72.5°	95.4	103.9	112.6	123.3	133.1	142.0	150.1	157.3	163.5	168.8	173.2
70°	146.0	160.1	173.3	189.7	211.2	230.8	248.5	264.2	277.9	289.6	299.2
67.5°	222.6	252.9	281.4	307.8	337.9	368.3	395.6	419.9	441.2	459.2	474.1
65°	335.1	381.3	424.6	464.9	502.5	545.0	583.3	617.4	647.1	672.5	693.3
62.5°	480.3	539.2	599.1	655.0	706.6	758.9	810.9	857.2	897.7	932.2	960.5
60°	655.0	725.2	804.6	879.7	949.1	1012.9	1079.4	1138.7	1190.5	1234.6	1271.0
57.5°	855.5	949.1	1041.3	1136.4	1224.5	1305.2	1383.9	1457.9	1522.6	1577.7	1623.2
55°	1079.4	1197.2	1308.0	1421.9	1530.9	1630.9	1719.3	1789.1	1850.2	1902.4	1945.5
52.5°	1324.7	1467.6	1603.9	1727.9	1830.0	1923.9	2009.1	2050.6	2080.4	2105.9	2126.9
50°	1597.4	1746.4	1873.3	1992.3	2058.5	2104.0	2145.3	2210.3	2294.6	2366.7	2426.2
47.5°	1844.8	1989.0	2068.6	2125.9	2202.4	2330.0	2446.2	2587.9	2882.3	3134.5	3343.1
45°	2045.2	2114.2	2203.2	2363.0	2512.1	2907.8	3311.7	3674.4	4879.4	6036.7	6994.9
42.5°	2145.0	2304.6	2486.2	2932.6	3447.9	4588.0	6428.8	8085.3	9496.7	10676.4	11654.8
40°	2366.2	2650.2	3273.6	4327.3	6660.9	8820.3	10683.4	12364.2	13805.7	14951.1	15902.9
37.5°	2785.9	3481.0	5517.4	8175.6	10555.6	12739.3	14606.7	16230.6	17672.2	18966.8	20044.8
35°	3550.7	6119.2	9075.8	11736.3	14159.0	16254.6	18209.6	20035.0	21658.6	23207.2	24539.2
32.5°	6119.2	9367.0	12334.1	14981.8	17378.8	19706.7	21870.2	24087.8	26083.7	28106.8	30054.4
30°	9075.8	12334.1	15258.5	17962.1	20623.1	23277.0	25916.0	28792.7	31693.8	34547.3	37818.0
27.5°	11736.3	14981.8	17962.1	20931.7	24001.3	27061.5	30862.5	34749.3	39587.2	43830.7	47484.3
25°	14159.0	17378.8	20623.1	24001.3	27569.1	31917.5	37272.6	43071.9	48415.2	53143.6	57138.3
22.5°	16254.6	19706.7	23277.0	27061.5	31917.5	38125.7	44874.2	51258.8	57064.9	62204.5	66868.4
20°	18209.6	21870.2	25916.0	30862.5	37272.6	44874.2	52223.2	59077.3	65473.7	71866.0	77603.2
17.5°	20035.0	24087.8	28792.7	34749.3	43071.9	51258.8	59077.3	66695.5	74457.0	82525.9	89898.0
15°	21658.6	26083.7	31693.8	39587.2	48415.2	57064.9	65473.7	74457.0	84214.4	94056.3	103707.4
12.5°	23207.2	28106.8	34547.3	43830.7	53143.6	62204.5	71866.0	82525.9	94056.3	106051.4	114344.2
10°	24539.2	30054.4	37818.0	47484.3	57138.3	66868.4	77603.2	89898.0	103707.4	114344.2	122320.3
7.5°	25592.8	31599.1	40421.0	50404.5	60340.6	70897.9	83005.8	96947.4	110534.5	120713.1	127160.2
5°	26355.2	32719.4	42314.0	52535.6	62687.8	73868.5	87019.6	102295.9	115154.9	124417.9	130096.7
2.5°	26816.8	33398.6	43463.9	53833.3	64121.7	75691.0	89496.3	105623.4	118064.0	126470.4	131673.9
0°	26971.3	33626.2	43849.6	54269.1	64604.1	76305.5	90334.1	106754.0	119059.2	127100.9	132213.4
-2.5°	26816.8	33398.6	43463.9	53833.3	64121.7	75691.0	89496.3	105623.4	118064.0	126470.4	131673.9
-5°	26355.2	32719.4	42314.0	52535.6	62687.8	73868.5	87019.6	102295.9	115154.9	124417.9	130096.7
-7.5°	25592.8	31599.1	40421.0	50404.5	60340.6	70897.9	83005.8	96947.4	110534.5	120713.1	127160.2
-10°	24539.2	30054.4	37818.0	47484.3	57138.3	66868.4	77603.2	89898.0	103707.4	114344.2	122320.3
-12.5°	23207.2	28106.8	34547.3	43830.7	53143.6	62204.5	71866.0	82525.9	94056.3	106051.4	114344.2
-15°	21658.6	26083.7	31693.8	39587.2	48415.2	57064.9	65473.7	74457.0	84214.4	94056.3	103707.4
-17.5°	20035.0	24087.8	28792.7	34749.3	43071.9	51258.8	59077.3	66695.5	74457.0	82525.9	89898.0
-20°	18209.6	21870.2	25916.0	30862.5	37272.6	44874.2	52223.2	59077.3	65473.7	71866.0	77603.2



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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°	16254.6	19706.7	23277.0	27061.5	31917.5	38125.7	44874.2	51258.8	57064.9	62204.5	66868.4
-25°	14159.0	17378.8	20623.1	24001.3	27569.1	31917.5	37272.6	43071.9	48415.2	53143.6	57138.3
-27.5°	11736.3	14981.8	17962.1	20931.7	24001.3	27061.5	30862.5	34749.3	39587.2	43830.7	47484.3
-30°	9075.8	12334.1	15258.5	17962.1	20623.1	23277.0	25916.0	28792.7	31693.8	34547.3	37818.0
-32.5°	6119.2	9367.0	12334.1	14981.8	17378.8	19706.7	21870.2	24087.8	26083.7	28106.8	30054.4
-35°	3550.7	6119.2	9075.8	11736.3	14159.0	16254.6	18209.6	20035.0	21658.6	23207.2	24539.2
-37.5°	2785.9	3481.0	5517.4	8175.6	10555.6	12739.3	14606.7	16230.6	17672.2	18966.8	20044.8
-40°	2366.2	2650.2	3273.6	4327.3	6660.9	8820.3	10683.4	12364.2	13805.7	14951.1	15902.9
-42.5°	2145.0	2304.6	2486.2	2932.6	3447.9	4588.0	6428.8	8085.3	9496.7	10676.4	11654.8
-45°	2045.2	2114.2	2203.2	2363.0	2512.1	2907.8	3311.7	3674.4	4879.4	6036.7	6994.9
-47.5°	1844.8	1989.0	2068.6	2125.9	2202.4	2330.0	2446.2	2587.9	2882.3	3134.5	3343.1
-50°	1597.4	1746.4	1873.3	1992.3	2058.5	2104.0	2145.3	2210.3	2294.6	2366.7	2426.2
-52.5°	1324.7	1467.6	1603.9	1727.9	1830.0	1923.9	2009.1	2050.6	2080.4	2105.9	2126.9
-55°	1079.4	1197.2	1308.0	1421.9	1530.9	1630.9	1719.3	1789.1	1850.2	1902.4	1945.5
-57.5°	855.5	949.1	1041.3	1136.4	1224.5	1305.2	1383.9	1457.9	1522.6	1577.7	1623.2
-60°	655.0	725.2	804.6	879.7	949.1	1012.9	1079.4	1138.7	1190.5	1234.6	1271.0
-62.5°	480.3	539.2	599.1	655.0	706.6	758.9	810.9	857.2	897.7	932.2	960.5
-65°	335.1	381.3	424.6	464.9	502.5	545.0	583.3	617.4	647.1	672.5	693.3
-67.5°	222.6	252.9	281.4	307.8	337.9	368.3	395.6	419.9	441.2	459.2	474.1
-70°	146.0	160.1	173.3	189.7	211.2	230.8	248.5	264.2	277.9	289.6	299.2
-72.5°	95.4	103.9	112.6	123.3	133.1	142.0	150.1	157.3	163.5	168.8	173.2
-75°	58.1	63.0	69.8	76.0	81.8	87.1	91.8	96.0	99.7	102.8	105.3
-77.5°	36.1	39.4	42.5	45.4	48.0	50.4	52.6	54.5	56.2	57.6	58.8
-80°	25.2	26.3	27.4	28.4	29.3	30.2	30.9	31.6	32.2	32.7	33.1
-82.5°	17.4	18.0	18.6	19.1	19.6	20.0	20.5	20.8	21.1	21.4	21.6
-85°	11.1	11.4	11.7	12.0	12.2	12.5	12.7	12.9	13.0	13.2	13.3
-87.5°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-680R-40-80-5S-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°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
85°	13.4	13.4	13.5	13.5	13.5	13.4	13.4	13.3	13.2	13.0	12.9
82.5°	21.8	21.9	22.0	22.0	22.0	21.9	21.8	21.6	21.4	21.1	20.8
80°	33.4	33.6	33.8	33.8	33.8	33.6	33.4	33.1	32.7	32.2	31.6
77.5°	59.7	60.4	60.8	60.9	60.8	60.4	59.7	58.8	57.6	56.2	54.5
75°	107.3	108.8	109.6	109.9	109.6	108.8	107.3	105.3	102.8	99.7	96.0
72.5°	176.6	179.0	180.5	181.0	180.5	179.0	176.6	173.2	168.8	163.5	157.3
70°	306.6	312.0	315.2	316.3	315.2	312.0	306.6	299.2	289.6	277.9	264.2
67.5°	485.6	493.9	498.9	500.6	498.9	493.9	485.6	474.1	459.2	441.2	419.9
65°	709.6	721.3	728.3	730.6	728.3	721.3	709.6	693.3	672.5	647.1	617.4
62.5°	982.7	998.6	1008.1	1011.3	1008.1	998.6	982.7	960.5	932.2	897.7	857.2
60°	1299.4	1319.8	1332.0	1336.1	1332.0	1319.8	1299.4	1271.0	1234.6	1190.5	1138.7
57.5°	1658.7	1684.2	1699.6	1704.7	1699.6	1684.2	1658.7	1623.2	1577.7	1522.6	1457.9
55°	1979.1	2003.3	2017.8	2022.7	2017.8	2003.3	1979.1	1945.5	1902.4	1850.2	1789.1
52.5°	2143.4	2155.2	2162.3	2164.7	2162.3	2155.2	2143.4	2126.9	2105.9	2080.4	2050.6
50°	2472.9	2506.5	2526.7	2533.4	2526.7	2506.5	2472.9	2426.2	2366.7	2294.6	2210.3
47.5°	3506.7	3624.4	3695.3	3719.0	3695.3	3624.4	3506.7	3343.1	3134.5	2882.3	2587.9
45°	7747.5	8289.2	8615.8	8724.9	8615.8	8289.2	7747.5	6994.9	6036.7	4879.4	3674.4
42.5°	12424.2	12978.5	13313.0	13424.8	13313.0	12978.5	12424.2	11654.8	10676.4	9496.7	8085.3
40°	16652.6	17193.3	17519.9	17629.1	17519.9	17193.3	16652.6	15902.9	14951.1	13805.7	12364.2
37.5°	20895.6	21510.1	21881.7	22006.0	21881.7	21510.1	20895.6	20044.8	18966.8	17672.2	16230.6
35°	25592.8	26355.2	26816.8	26971.3	26816.8	26355.2	25592.8	24539.2	23207.2	21658.6	20035.0
32.5°	31599.1	32719.4	33398.6	33626.2	33398.6	32719.4	31599.1	30054.4	28106.8	26083.7	24087.8
30°	40421.0	42314.0	43463.9	43849.6	43463.9	42314.0	40421.0	37818.0	34547.3	31693.8	28792.7
27.5°	50404.5	52535.6	53833.3	54269.1	53833.3	52535.6	50404.5	47484.3	43830.7	39587.2	34749.3
25°	60340.6	62687.8	64121.7	64604.1	64121.7	62687.8	60340.6	57138.3	53143.6	48415.2	43071.9
22.5°	70897.9	73868.5	75691.0	76305.5	75691.0	73868.5	70897.9	66868.4	62204.5	57064.9	51258.8
20°	83005.8	87019.6	89496.3	90334.1	89496.3	87019.6	83005.8	77603.2	71866.0	65473.7	59077.3
17.5°	96947.4	102295.9	105623.4	106754.0	105623.4	102295.9	96947.4	89898.0	82525.9	74457.0	66695.5
15°	110534.5	115154.9	118064.0	119059.2	118064.0	115154.9	110534.5	103707.4	94056.3	84214.4	74457.0
12.5°	120713.1	124417.9	126470.4	127100.9	126470.4	124417.9	120713.1	114344.2	106051.4	94056.3	82525.9
10°	127160.2	130096.7	131673.9	132213.4	131673.9	130096.7	127160.2	122320.3	114344.2	103707.4	89898.0
7.5°	131166.2	133899.6	135541.5	136120.1	135541.5	133899.6	131166.2	127160.2	120713.1	110534.5	96947.4
5°	133899.6	136741.6	138504.8	139042.5	138504.8	136741.6	133899.6	130096.7	124417.9	115154.9	102295.9
2.5°	135541.5	138504.8	139352.1	139323.2	139352.1	138504.8	135541.5	131673.9	126470.4	118064.0	105623.4
0°	136120.1	139042.5	139323.2	138785.4	139323.2	139042.5	136120.1	132213.4	127100.9	119059.2	106754.0
-2.5°	135541.5	138504.8	139352.1	139323.2	139352.1	138504.8	135541.5	131673.9	126470.4	118064.0	105623.4
-5°	133899.6	136741.6	138504.8	139042.5	138504.8	136741.6	133899.6	130096.7	124417.9	115154.9	102295.9
-7.5°	131166.2	133899.6	135541.5	136120.1	135541.5	133899.6	131166.2	127160.2	120713.1	110534.5	96947.4
-10°	127160.2	130096.7	131673.9	132213.4	131673.9	130096.7	127160.2	122320.3	114344.2	103707.4	89898.0
-12.5°	120713.1	124417.9	126470.4	127100.9	126470.4	124417.9	120713.1	114344.2	106051.4	94056.3	82525.9
-15°	110534.5	115154.9	118064.0	119059.2	118064.0	115154.9	110534.5	103707.4	94056.3	84214.4	74457.0
-17.5°	96947.4	102295.9	105623.4	106754.0	105623.4	102295.9	96947.4	89898.0	82525.9	74457.0	66695.5
-20°	83005.8	87019.6	89496.3	90334.1	89496.3	87019.6	83005.8	77603.2	71866.0	65473.7	59077.3



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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°	70897.9	73868.5	75691.0	76305.5	75691.0	73868.5	70897.9	66868.4	62204.5	57064.9	51258.8
-25°	60340.6	62687.8	64121.7	64604.1	64121.7	62687.8	60340.6	57138.3	53143.6	48415.2	43071.9
-27.5°	50404.5	52535.6	53833.3	54269.1	53833.3	52535.6	50404.5	47484.3	43830.7	39587.2	34749.3
-30°	40421.0	42314.0	43463.9	43849.6	43463.9	42314.0	40421.0	37818.0	34547.3	31693.8	28792.7
-32.5°	31599.1	32719.4	33398.6	33626.2	33398.6	32719.4	31599.1	30054.4	28106.8	26083.7	24087.8
-35°	25592.8	26355.2	26816.8	26971.3	26816.8	26355.2	25592.8	24539.2	23207.2	21658.6	20035.0
-37.5°	20895.6	21510.1	21881.7	22006.0	21881.7	21510.1	20895.6	20044.8	18966.8	17672.2	16230.6
-40°	16652.6	17193.3	17519.9	17629.1	17519.9	17193.3	16652.6	15902.9	14951.1	13805.7	12364.2
-42.5°	12424.2	12978.5	13313.0	13424.8	13313.0	12978.5	12424.2	11654.8	10676.4	9496.7	8085.3
-45°	7747.5	8289.2	8615.8	8724.9	8615.8	8289.2	7747.5	6994.9	6036.7	4879.4	3674.4
-47.5°	3506.7	3624.4	3695.3	3719.0	3695.3	3624.4	3506.7	3343.1	3134.5	2882.3	2587.9
-50°	2472.9	2506.5	2526.7	2533.4	2526.7	2506.5	2472.9	2426.2	2366.7	2294.6	2210.3
-52.5°	2143.4	2155.2	2162.3	2164.7	2162.3	2155.2	2143.4	2126.9	2105.9	2080.4	2050.6
-55°	1979.1	2003.3	2017.8	2022.7	2017.8	2003.3	1979.1	1945.5	1902.4	1850.2	1789.1
-57.5°	1658.7	1684.2	1699.6	1704.7	1699.6	1684.2	1658.7	1623.2	1577.7	1522.6	1457.9
-60°	1299.4	1319.8	1332.0	1336.1	1332.0	1319.8	1299.4	1271.0	1234.6	1190.5	1138.7
-62.5°	982.7	998.6	1008.1	1011.3	1008.1	998.6	982.7	960.5	932.2	897.7	857.2
-65°	709.6	721.3	728.3	730.6	728.3	721.3	709.6	693.3	672.5	647.1	617.4
-67.5°	485.6	493.9	498.9	500.6	498.9	493.9	485.6	474.1	459.2	441.2	419.9
-70°	306.6	312.0	315.2	316.3	315.2	312.0	306.6	299.2	289.6	277.9	264.2
-72.5°	176.6	179.0	180.5	181.0	180.5	179.0	176.6	173.2	168.8	163.5	157.3
-75°	107.3	108.8	109.6	109.9	109.6	108.8	107.3	105.3	102.8	99.7	96.0
-77.5°	59.7	60.4	60.8	60.9	60.8	60.4	59.7	58.8	57.6	56.2	54.5
-80°	33.4	33.6	33.8	33.8	33.8	33.6	33.4	33.1	32.7	32.2	31.6
-82.5°	21.8	21.9	22.0	22.0	22.0	21.9	21.8	21.6	21.4	21.1	20.8
-85°	13.4	13.4	13.5	13.5	13.5	13.4	13.4	13.3	13.2	13.0	12.9
-87.5°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
-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):**

	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°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
85°	12.7	12.5	12.2	12.0	11.7	11.4	11.1	10.7	10.4	10.0	9.6
82.5°	20.5	20.0	19.6	19.1	18.6	18.0	17.4	16.7	16.0	15.3	14.5
80°	30.9	30.2	29.3	28.4	27.4	26.3	25.2	24.0	22.7	21.5	20.5
77.5°	52.6	50.4	48.0	45.4	42.5	39.4	36.1	33.3	31.6	29.9	28.2
75°	91.8	87.1	81.8	76.0	69.8	63.0	58.1	53.8	49.4	44.6	39.7
72.5°	150.1	142.0	133.1	123.3	112.6	103.9	95.4	86.4	76.9	67.0	58.5
70°	248.5	230.8	211.2	189.7	173.3	160.1	146.0	131.1	115.3	102.2	90.2
67.5°	395.6	368.3	337.9	307.8	281.4	252.9	222.6	190.4	168.1	149.4	129.8
65°	583.3	545.0	502.5	464.9	424.6	381.3	335.1	294.1	256.2	216.4	177.8
62.5°	810.9	758.9	706.6	655.0	599.1	539.2	480.3	426.1	369.0	311.1	265.3
60°	1079.4	1012.9	949.1	879.7	804.6	725.2	655.0	580.7	502.5	436.6	368.3
57.5°	1383.9	1305.2	1224.5	1136.4	1041.3	949.1	855.5	756.5	666.7	577.6	488.0
55°	1719.3	1630.9	1530.9	1421.9	1308.0	1197.2	1079.4	962.8	850.1	732.5	631.9
52.5°	2009.1	1923.9	1830.0	1727.9	1603.9	1467.6	1324.7	1190.5	1049.9	917.9	786.4
50°	2145.3	2104.0	2058.5	1992.3	1873.3	1746.4	1597.4	1433.6	1271.0	1113.8	959.0
47.5°	2446.2	2330.0	2202.4	2125.9	2068.6	1989.0	1844.8	1691.5	1508.1	1319.8	1145.9
45°	3311.7	2907.8	2512.1	2363.0	2203.2	2114.2	2045.2	1911.3	1742.6	1545.7	1336.1
42.5°	6428.8	4588.0	3447.9	2932.6	2486.2	2304.6	2145.0	2068.0	1944.8	1759.1	1545.7
40°	10683.4	8820.3	6660.9	4327.3	3273.6	2650.2	2366.2	2160.5	2075.6	1944.8	1742.6
37.5°	14606.7	12739.3	10555.6	8175.6	5517.4	3481.0	2785.9	2386.9	2160.5	2068.0	1911.3
35°	18209.6	16254.6	14159.0	11736.3	9075.8	6119.2	3550.7	2785.9	2366.2	2145.0	2045.2
32.5°	21870.2	19706.7	17378.8	14981.8	12334.1	9367.0	6119.2	3481.0	2650.2	2304.6	2114.2
30°	25916.0	23277.0	20623.1	17962.1	15258.5	12334.1	9075.8	5517.4	3273.6	2486.2	2203.2
27.5°	30862.5	27061.5	24001.3	20931.7	17962.1	14981.8	11736.3	8175.6	4327.3	2932.6	2363.0
25°	37272.6	31917.5	27569.1	24001.3	20623.1	17378.8	14159.0	10555.6	6660.9	3447.9	2512.1
22.5°	44874.2	38125.7	31917.5	27061.5	23277.0	19706.7	16254.6	12739.3	8820.3	4588.0	2907.8
20°	52223.2	44874.2	37272.6	30862.5	25916.0	21870.2	18209.6	14606.7	10683.4	6428.8	3311.7
17.5°	59077.3	51258.8	43071.9	34749.3	28792.7	24087.8	20035.0	16230.6	12364.2	8085.3	3674.4
15°	65473.7	57064.9	48415.2	39587.2	31693.8	26083.7	21658.6	17672.2	13805.7	9496.7	4879.4
12.5°	71866.0	62204.5	53143.6	43830.7	34547.3	28106.8	23207.2	18966.8	14951.1	10676.4	6036.7
10°	77603.2	66868.4	57138.3	47484.3	37818.0	30054.4	24539.2	20044.8	15902.9	11654.8	6994.9
7.5°	83005.8	70897.9	60340.6	50404.5	40421.0	31599.1	25592.8	20895.6	16652.6	12424.2	7747.5
5°	87019.6	73868.5	62687.8	52535.6	42314.0	32719.4	26355.2	21510.1	17193.3	12978.5	8289.2
2.5°	89496.3	75691.0	64121.7	53833.3	43463.9	33398.6	26816.8	21881.7	17519.9	13313.0	8615.8
0°	90334.1	76305.5	64604.1	54269.1	43849.6	33626.2	26971.3	22006.0	17629.1	13424.8	8724.9
-2.5°	89496.3	75691.0	64121.7	53833.3	43463.9	33398.6	26816.8	21881.7	17519.9	13313.0	8615.8
-5°	87019.6	73868.5	62687.8	52535.6	42314.0	32719.4	26355.2	21510.1	17193.3	12978.5	8289.2
-7.5°	83005.8	70897.9	60340.6	50404.5	40421.0	31599.1	25592.8	20895.6	16652.6	12424.2	7747.5
-10°	77603.2	66868.4	57138.3	47484.3	37818.0	30054.4	24539.2	20044.8	15902.9	11654.8	6994.9
-12.5°	71866.0	62204.5	53143.6	43830.7	34547.3	28106.8	23207.2	18966.8	14951.1	10676.4	6036.7
-15°	65473.7	57064.9	48415.2	39587.2	31693.8	26083.7	21658.6	17672.2	13805.7	9496.7	4879.4
-17.5°	59077.3	51258.8	43071.9	34749.3	28792.7	24087.8	20035.0	16230.6	12364.2	8085.3	3674.4
-20°	52223.2	44874.2	37272.6	30862.5	25916.0	21870.2	18209.6	14606.7	10683.4	6428.8	3311.7



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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°	44874.2	38125.7	31917.5	27061.5	23277.0	19706.7	16254.6	12739.3	8820.3	4588.0	2907.8
-25°	37272.6	31917.5	27569.1	24001.3	20623.1	17378.8	14159.0	10555.6	6660.9	3447.9	2512.1
-27.5°	30862.5	27061.5	24001.3	20931.7	17962.1	14981.8	11736.3	8175.6	4327.3	2932.6	2363.0
-30°	25916.0	23277.0	20623.1	17962.1	15258.5	12334.1	9075.8	5517.4	3273.6	2486.2	2203.2
-32.5°	21870.2	19706.7	17378.8	14981.8	12334.1	9367.0	6119.2	3481.0	2650.2	2304.6	2114.2
-35°	18209.6	16254.6	14159.0	11736.3	9075.8	6119.2	3550.7	2785.9	2366.2	2145.0	2045.2
-37.5°	14606.7	12739.3	10555.6	8175.6	5517.4	3481.0	2785.9	2386.9	2160.5	2068.0	1911.3
-40°	10683.4	8820.3	6660.9	4327.3	3273.6	2650.2	2366.2	2160.5	2075.6	1944.8	1742.6
-42.5°	6428.8	4588.0	3447.9	2932.6	2486.2	2304.6	2145.0	2068.0	1944.8	1759.1	1545.7
-45°	3311.7	2907.8	2512.1	2363.0	2203.2	2114.2	2045.2	1911.3	1742.6	1545.7	1336.1
-47.5°	2446.2	2330.0	2202.4	2125.9	2068.6	1989.0	1844.8	1691.5	1508.1	1319.8	1145.9
-50°	2145.3	2104.0	2058.5	1992.3	1873.3	1746.4	1597.4	1433.6	1271.0	1113.8	959.0
-52.5°	2009.1	1923.9	1830.0	1727.9	1603.9	1467.6	1324.7	1190.5	1049.9	917.9	786.4
-55°	1719.3	1630.9	1530.9	1421.9	1308.0	1197.2	1079.4	962.8	850.1	732.5	631.9
-57.5°	1383.9	1305.2	1224.5	1136.4	1041.3	949.1	855.5	756.5	666.7	577.6	488.0
-60°	1079.4	1012.9	949.1	879.7	804.6	725.2	655.0	580.7	502.5	436.6	368.3
-62.5°	810.9	758.9	706.6	655.0	599.1	539.2	480.3	426.1	369.0	311.1	265.3
-65°	583.3	545.0	502.5	464.9	424.6	381.3	335.1	294.1	256.2	216.4	177.8
-67.5°	395.6	368.3	337.9	307.8	281.4	252.9	222.6	190.4	168.1	149.4	129.8
-70°	248.5	230.8	211.2	189.7	173.3	160.1	146.0	131.1	115.3	102.2	90.2
-72.5°	150.1	142.0	133.1	123.3	112.6	103.9	95.4	86.4	76.9	67.0	58.5
-75°	91.8	87.1	81.8	76.0	69.8	63.0	58.1	53.8	49.4	44.6	39.7
-77.5°	52.6	50.4	48.0	45.4	42.5	39.4	36.1	33.3	31.6	29.9	28.2
-80°	30.9	30.2	29.3	28.4	27.4	26.3	25.2	24.0	22.7	21.5	20.5
-82.5°	20.5	20.0	19.6	19.1	18.6	18.0	17.4	16.7	16.0	15.3	14.5
-85°	12.7	12.5	12.2	12.0	11.7	11.4	11.1	10.7	10.4	10.0	9.6
-87.5°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
-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):**

	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°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
85°	9.1	8.7	8.3	7.8	7.3	6.8	6.3	5.7	5.2	4.6	4.1
82.5°	13.7	13.0	12.3	11.6	10.9	10.1	9.4	8.6	7.8	7.0	6.1
80°	19.4	18.3	17.1	15.9	14.7	13.4	12.4	11.4	10.3	9.2	8.1
77.5°	26.3	24.3	22.3	20.7	19.2	17.6	16.0	14.3	12.8	11.5	10.1
75°	34.6	31.8	29.4	26.9	24.3	21.8	19.8	17.9	15.8	13.8	12.1
72.5°	52.5	46.2	39.7	33.5	30.5	27.4	24.3	21.3	19.0	16.6	14.1
70°	77.8	64.8	55.7	48.0	40.2	33.1	29.5	25.8	22.1	19.3	16.6
67.5°	109.6	95.0	79.9	64.4	54.0	45.0	35.7	30.5	26.3	22.1	19.0
65°	155.1	131.6	108.1	90.9	73.1	57.6	47.4	36.9	30.5	25.8	21.3
62.5°	217.6	174.3	147.6	120.1	97.5	77.5	58.8	47.4	35.7	29.5	24.3
60°	302.4	248.5	193.0	157.3	126.5	99.7	77.5	57.6	45.0	33.1	27.4
57.5°	411.0	331.4	267.2	205.3	160.5	126.5	97.5	73.1	54.0	40.2	30.5
55°	528.1	436.8	348.5	273.4	205.3	157.3	120.1	90.9	64.4	48.0	33.5
52.5°	664.8	549.9	445.5	348.5	267.2	193.0	147.6	108.1	79.9	55.7	39.7
50°	813.5	675.8	549.9	436.8	331.4	248.5	174.3	131.6	95.0	64.8	46.2
47.5°	972.7	813.5	664.8	528.1	411.0	302.4	217.6	155.1	109.6	77.8	52.5
45°	1145.9	959.0	786.4	631.9	488.0	368.3	265.3	177.8	129.8	90.2	58.5
42.5°	1319.8	1113.8	917.9	732.5	577.6	436.6	311.1	216.4	149.4	102.2	67.0
40°	1508.1	1271.0	1049.9	850.1	666.7	502.5	369.0	256.2	168.1	115.3	76.9
37.5°	1691.5	1433.6	1190.5	962.8	756.5	580.7	426.1	294.1	190.4	131.1	86.4
35°	1844.8	1597.4	1324.7	1079.4	855.5	655.0	480.3	335.1	222.6	146.0	95.4
32.5°	1989.0	1746.4	1467.6	1197.2	949.1	725.2	539.2	381.3	252.9	160.1	103.9
30°	2068.6	1873.3	1603.9	1308.0	1041.3	804.6	599.1	424.6	281.4	173.3	112.6
27.5°	2125.9	1992.3	1727.9	1421.9	1136.4	879.7	655.0	464.9	307.8	189.7	123.3
25°	2202.4	2058.5	1830.0	1530.9	1224.5	949.1	706.6	502.5	337.9	211.2	133.1
22.5°	2330.0	2104.0	1923.9	1630.9	1305.2	1012.9	758.9	545.0	368.3	230.8	142.0
20°	2446.2	2145.3	2009.1	1719.3	1383.9	1079.4	810.9	583.3	395.6	248.5	150.1
17.5°	2587.9	2210.3	2050.6	1789.1	1457.9	1138.7	857.2	617.4	419.9	264.2	157.3
15°	2882.3	2294.6	2080.4	1850.2	1522.6	1190.5	897.7	647.1	441.2	277.9	163.5
12.5°	3134.5	2366.7	2105.9	1902.4	1577.7	1234.6	932.2	672.5	459.2	289.6	168.8
10°	3343.1	2426.2	2126.9	1945.5	1623.2	1271.0	960.5	693.3	474.1	299.2	173.2
7.5°	3506.7	2472.9	2143.4	1979.1	1658.7	1299.4	982.7	709.6	485.6	306.6	176.6
5°	3624.4	2506.5	2155.2	2003.3	1684.2	1319.8	998.6	721.3	493.9	312.0	179.0
2.5°	3695.3	2526.7	2162.3	2017.8	1699.6	1332.0	1008.1	728.3	498.9	315.2	180.5
0°	3719.0	2533.4	2164.7	2022.7	1704.7	1336.1	1011.3	730.6	500.6	316.3	181.0
-2.5°	3695.3	2526.7	2162.3	2017.8	1699.6	1332.0	1008.1	728.3	498.9	315.2	180.5
-5°	3624.4	2506.5	2155.2	2003.3	1684.2	1319.8	998.6	721.3	493.9	312.0	179.0
-7.5°	3506.7	2472.9	2143.4	1979.1	1658.7	1299.4	982.7	709.6	485.6	306.6	176.6
-10°	3343.1	2426.2	2126.9	1945.5	1623.2	1271.0	960.5	693.3	474.1	299.2	173.2
-12.5°	3134.5	2366.7	2105.9	1902.4	1577.7	1234.6	932.2	672.5	459.2	289.6	168.8
-15°	2882.3	2294.6	2080.4	1850.2	1522.6	1190.5	897.7	647.1	441.2	277.9	163.5
-17.5°	2587.9	2210.3	2050.6	1789.1	1457.9	1138.7	857.2	617.4	419.9	264.2	157.3
-20°	2446.2	2145.3	2009.1	1719.3	1383.9	1079.4	810.9	583.3	395.6	248.5	150.1



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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°	2330.0	2104.0	1923.9	1630.9	1305.2	1012.9	758.9	545.0	368.3	230.8	142.0
-25°	2202.4	2058.5	1830.0	1530.9	1224.5	949.1	706.6	502.5	337.9	211.2	133.1
-27.5°	2125.9	1992.3	1727.9	1421.9	1136.4	879.7	655.0	464.9	307.8	189.7	123.3
-30°	2068.6	1873.3	1603.9	1308.0	1041.3	804.6	599.1	424.6	281.4	173.3	112.6
-32.5°	1989.0	1746.4	1467.6	1197.2	949.1	725.2	539.2	381.3	252.9	160.1	103.9
-35°	1844.8	1597.4	1324.7	1079.4	855.5	655.0	480.3	335.1	222.6	146.0	95.4
-37.5°	1691.5	1433.6	1190.5	962.8	756.5	580.7	426.1	294.1	190.4	131.1	86.4
-40°	1508.1	1271.0	1049.9	850.1	666.7	502.5	369.0	256.2	168.1	115.3	76.9
-42.5°	1319.8	1113.8	917.9	732.5	577.6	436.6	311.1	216.4	149.4	102.2	67.0
-45°	1145.9	959.0	786.4	631.9	488.0	368.3	265.3	177.8	129.8	90.2	58.5
-47.5°	972.7	813.5	664.8	528.1	411.0	302.4	217.6	155.1	109.6	77.8	52.5
-50°	813.5	675.8	549.9	436.8	331.4	248.5	174.3	131.6	95.0	64.8	46.2
-52.5°	664.8	549.9	445.5	348.5	267.2	193.0	147.6	108.1	79.9	55.7	39.7
-55°	528.1	436.8	348.5	273.4	205.3	157.3	120.1	90.9	64.4	48.0	33.5
-57.5°	411.0	331.4	267.2	205.3	160.5	126.5	97.5	73.1	54.0	40.2	30.5
-60°	302.4	248.5	193.0	157.3	126.5	99.7	77.5	57.6	45.0	33.1	27.4
-62.5°	217.6	174.3	147.6	120.1	97.5	77.5	58.8	47.4	35.7	29.5	24.3
-65°	155.1	131.6	108.1	90.9	73.1	57.6	47.4	36.9	30.5	25.8	21.3
-67.5°	109.6	95.0	79.9	64.4	54.0	45.0	35.7	30.5	26.3	22.1	19.0
-70°	77.8	64.8	55.7	48.0	40.2	33.1	29.5	25.8	22.1	19.3	16.6
-72.5°	52.5	46.2	39.7	33.5	30.5	27.4	24.3	21.3	19.0	16.6	14.1
-75°	34.6	31.8	29.4	26.9	24.3	21.8	19.8	17.9	15.8	13.8	12.1
-77.5°	26.3	24.3	22.3	20.7	19.2	17.6	16.0	14.3	12.8	11.5	10.1
-80°	19.4	18.3	17.1	15.9	14.7	13.4	12.4	11.4	10.3	9.2	8.1
-82.5°	13.7	13.0	12.3	11.6	10.9	10.1	9.4	8.6	7.8	7.0	6.1
-85°	9.1	8.7	8.3	7.8	7.3	6.8	6.3	5.7	5.2	4.6	4.1
-87.5°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
80°	7.0	5.9	4.7	3.5	2.4	1.2	0.0
77.5°	8.7	7.3	5.9	4.4	2.9	1.5	0.0
75°	10.4	8.7	7.0	5.3	3.5	1.8	0.0
72.5°	12.1	10.1	8.1	6.1	4.1	2.0	0.0
70°	13.8	11.5	9.2	7.0	4.6	2.3	0.0
67.5°	15.8	12.8	10.3	7.8	5.2	2.6	0.0
65°	17.9	14.3	11.4	8.6	5.7	2.9	0.0
62.5°	19.8	16.0	12.4	9.4	6.3	3.1	0.0
60°	21.8	17.6	13.4	10.1	6.8	3.4	0.0
57.5°	24.3	19.2	14.7	10.9	7.3	3.7	0.0
55°	26.9	20.7	15.9	11.6	7.8	3.9	0.0
52.5°	29.4	22.3	17.1	12.3	8.3	4.1	0.0
50°	31.8	24.3	18.3	13.0	8.7	4.4	0.0
47.5°	34.6	26.3	19.4	13.7	9.1	4.6	0.0
45°	39.7	28.2	20.5	14.5	9.6	4.8	0.0
42.5°	44.6	29.9	21.5	15.3	10.0	5.0	0.0
40°	49.4	31.6	22.7	16.0	10.4	5.2	0.0
37.5°	53.8	33.3	24.0	16.7	10.7	5.4	0.0
35°	58.1	36.1	25.2	17.4	11.1	5.6	0.0
32.5°	63.0	39.4	26.3	18.0	11.4	5.7	0.0
30°	69.8	42.5	27.4	18.6	11.7	5.9	0.0
27.5°	76.0	45.4	28.4	19.1	12.0	6.0	0.0
25°	81.8	48.0	29.3	19.6	12.2	6.2	0.0
22.5°	87.1	50.4	30.2	20.0	12.5	6.3	0.0
20°	91.8	52.6	30.9	20.5	12.7	6.4	0.0
17.5°	96.0	54.5	31.6	20.8	12.9	6.5	0.0
15°	99.7	56.2	32.2	21.1	13.0	6.6	0.0
12.5°	102.8	57.6	32.7	21.4	13.2	6.6	0.0
10°	105.3	58.8	33.1	21.6	13.3	6.7	0.0
7.5°	107.3	59.7	33.4	21.8	13.4	6.7	0.0
5°	108.8	60.4	33.6	21.9	13.4	6.8	0.0
2.5°	109.6	60.8	33.8	22.0	13.5	6.8	0.0
0°	109.9	60.9	33.8	22.0	13.5	6.8	0.0
-2.5°	109.6	60.8	33.8	22.0	13.5	6.8	0.0
-5°	108.8	60.4	33.6	21.9	13.4	6.8	0.0
-7.5°	107.3	59.7	33.4	21.8	13.4	6.7	0.0
-10°	105.3	58.8	33.1	21.6	13.3	6.7	0.0
-12.5°	102.8	57.6	32.7	21.4	13.2	6.6	0.0
-15°	99.7	56.2	32.2	21.1	13.0	6.6	0.0
-17.5°	96.0	54.5	31.6	20.8	12.9	6.5	0.0
-20°	91.8	52.6	30.9	20.5	12.7	6.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	87.1	50.4	30.2	20.0	12.5	6.3	0.0
-25°	81.8	48.0	29.3	19.6	12.2	6.2	0.0
-27.5°	76.0	45.4	28.4	19.1	12.0	6.0	0.0
-30°	69.8	42.5	27.4	18.6	11.7	5.9	0.0
-32.5°	63.0	39.4	26.3	18.0	11.4	5.7	0.0
-35°	58.1	36.1	25.2	17.4	11.1	5.6	0.0
-37.5°	53.8	33.3	24.0	16.7	10.7	5.4	0.0
-40°	49.4	31.6	22.7	16.0	10.4	5.2	0.0
-42.5°	44.6	29.9	21.5	15.3	10.0	5.0	0.0
-45°	39.7	28.2	20.5	14.5	9.6	4.8	0.0
-47.5°	34.6	26.3	19.4	13.7	9.1	4.6	0.0
-50°	31.8	24.3	18.3	13.0	8.7	4.4	0.0
-52.5°	29.4	22.3	17.1	12.3	8.3	4.1	0.0
-55°	26.9	20.7	15.9	11.6	7.8	3.9	0.0
-57.5°	24.3	19.2	14.7	10.9	7.3	3.7	0.0
-60°	21.8	17.6	13.4	10.1	6.8	3.4	0.0
-62.5°	19.8	16.0	12.4	9.4	6.3	3.1	0.0
-65°	17.9	14.3	11.4	8.6	5.7	2.9	0.0
-67.5°	15.8	12.8	10.3	7.8	5.2	2.6	0.0
-70°	13.8	11.5	9.2	7.0	4.6	2.3	0.0
-72.5°	12.1	10.1	8.1	6.1	4.1	2.0	0.0
-75°	10.4	8.7	7.0	5.3	3.5	1.8	0.0
-77.5°	8.7	7.3	5.9	4.4	2.9	1.5	0.0
-80°	7.0	5.9	4.7	3.5	2.4	1.2	0.0
-82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	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)