

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: P1306156 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-70-7F-VHE-A**

Issue Date: 2/3/2026

**Test Information**

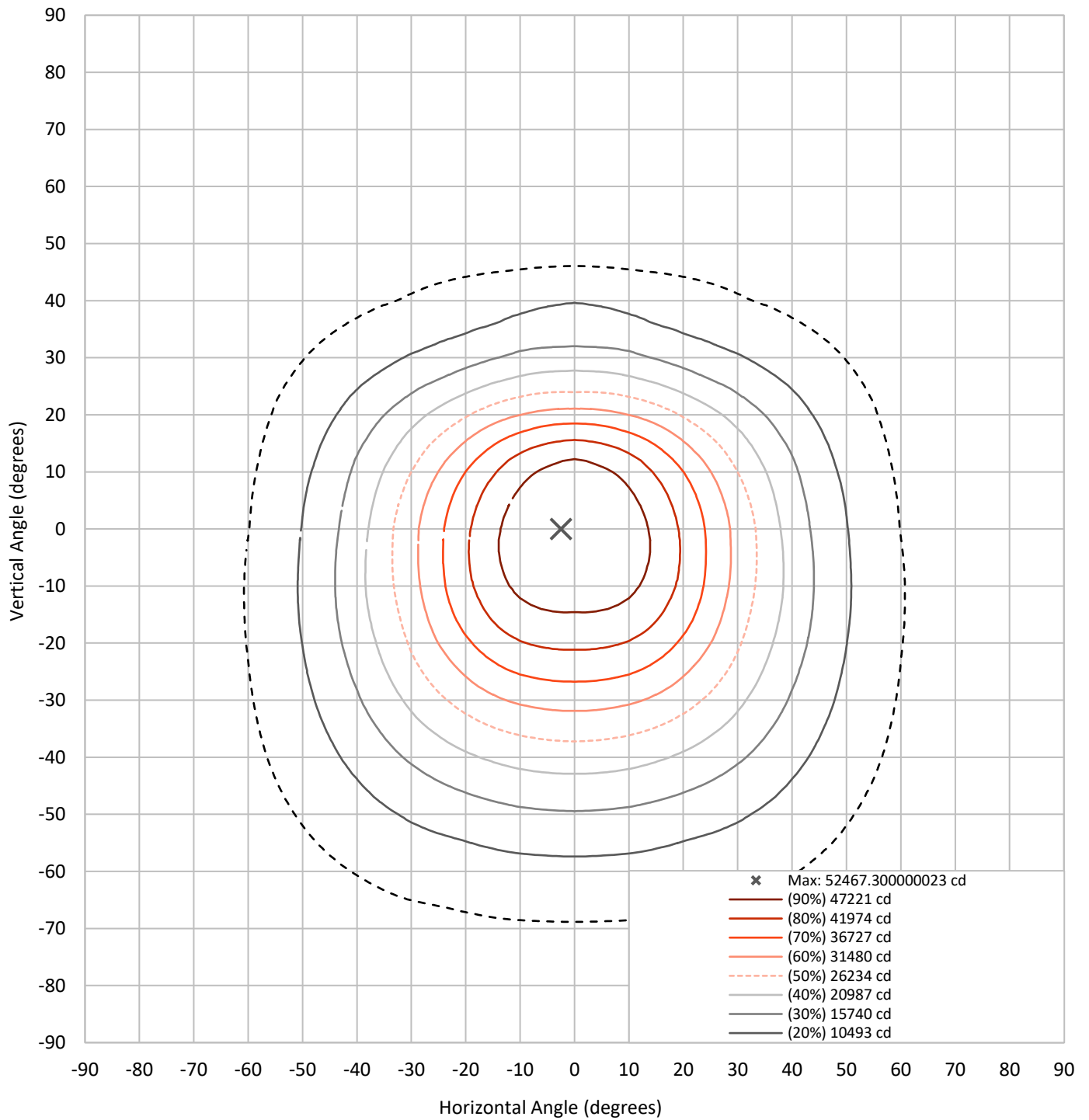
Test Method: LM-79-08  
Report Number: P1306156 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-530N-40-70-7F-VHE-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	69800.8 lumens	Max Intensity:	52467.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	126.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	66.6°H x 61.2°V	Field Angle (10%):	119.6°H x 114.9°V
Beam Lumens:	37898.4 lumens	Field Lumens:	65409.6 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
Input Watts (W):	554		
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





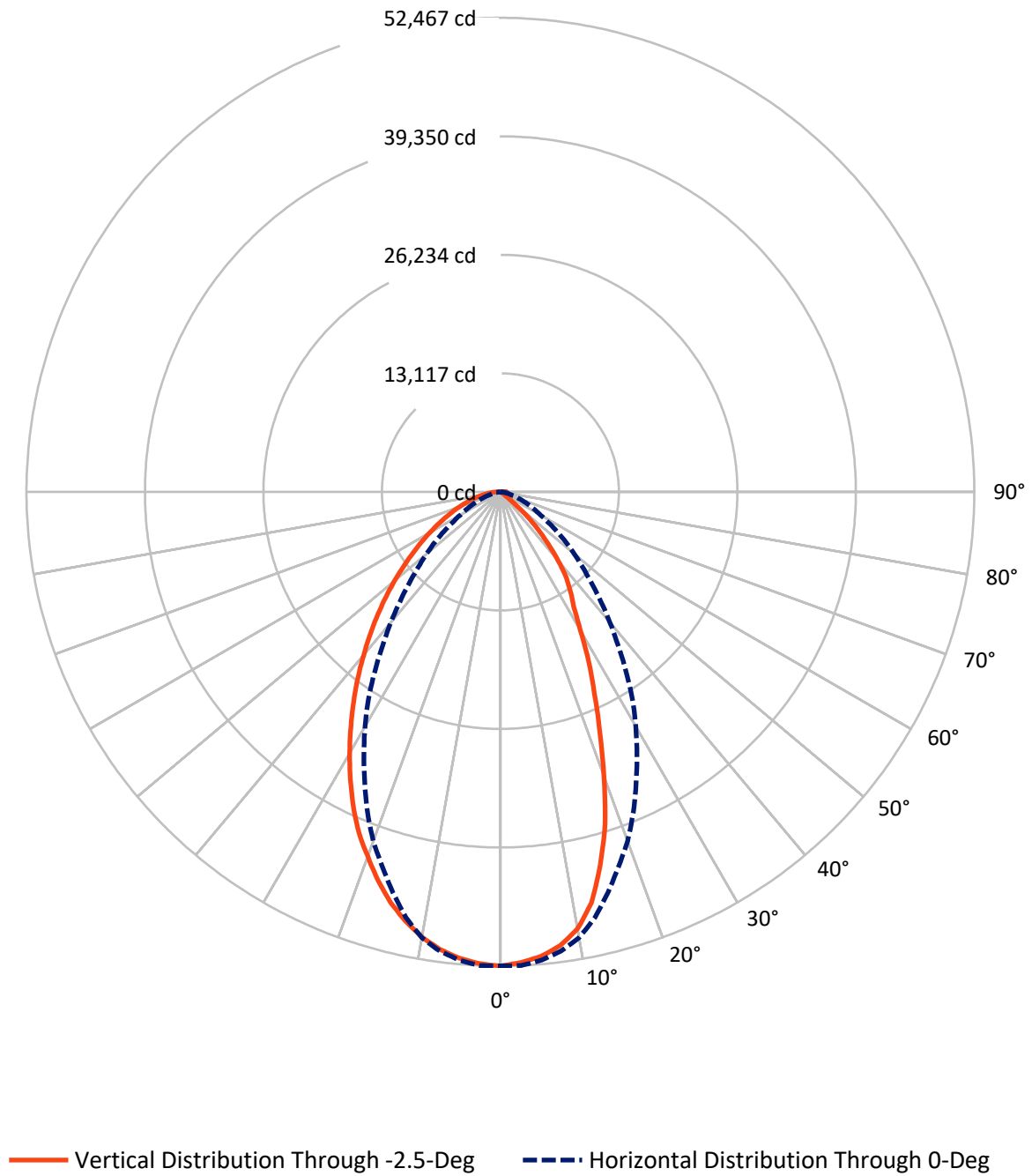
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### Lumen Table

90																			
80	1.2	5.7		12.9		16.3		17.7		16.3		12.9		5.7		1.2			
70																			
60	4.2	2.8	4.0	4.5	3.4	2.1	1.4	1.2	1.2	1.4	2.1	3.4	4.5	4.0	2.8	4.2			
50		5.8	7.4	7.5	8.4	10.9	15.0	16.8	16.8	15.0	10.9	8.4	7.5	7.4	5.8				
40	10.8	11.3	21.1	41.7	72.8	112.7	150.9	177.9	177.9	150.9	112.7	72.8	41.7	21.1	11.3	10.8			
30		20.7	52.3	107.3	177.4	255.1	334.3	403.6	403.6	334.3	255.1	177.4	107.3	52.3	20.7				
20	19.1	30.5	83.9	177.5	311.0	473.3	640.4	747.8	747.8	640.4	473.3	311.0	177.5	83.9	30.5	19.1			
10		38.7	110.6	248.9	467.0	753.2	1051.9	1252.9	1252.9	1051.9	753.2	467.0	248.9	110.6	38.7				
0	24.2	45.0	129.8	298.6	575.9	938.6	1294.6	1527.5	1527.5	1294.6	938.6	575.9	298.6	129.8	45.0	24.2			
-10		49.0	141.2	321.8	614.5	985.0	1346.5	1547.0	1547.0	1346.5	985.0	614.5	321.8	141.2	49.0				
-20	25.5	50.0	141.6	318.2	589.0	929.4	1244.6	1405.6	1405.6	1244.6	929.4	589.0	318.2	141.6	50.0	25.5			
-30		47.7	130.6	285.3	514.8	785.7	1027.5	1151.6	1151.6	1027.5	785.7	514.8	285.3	130.6	47.7				
-40	21.3	42.6	112.8	236.2	410.0	602.2	763.0	850.9	850.9	763.0	602.2	410.0	236.2	112.8	42.6	21.3			
-50		35.5	90.0	179.6	298.6	420.7	520.9	578.0	578.0	520.9	420.7	298.6	179.6	90.0	35.5				
-60	13.7	27.4	66.1	124.8	198.3	268.3	326.9	359.9	359.9	326.9	268.3	198.3	124.8	66.1	27.4	13.7			
-70		18.9	43.2	78.1	119.7	156.2	188.1	204.4	204.4	188.1	156.2	119.7	78.1	43.2	18.9				
-80	6.1	50.3		140.8		229.7		267.7		229.7		140.8		50.3		6.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

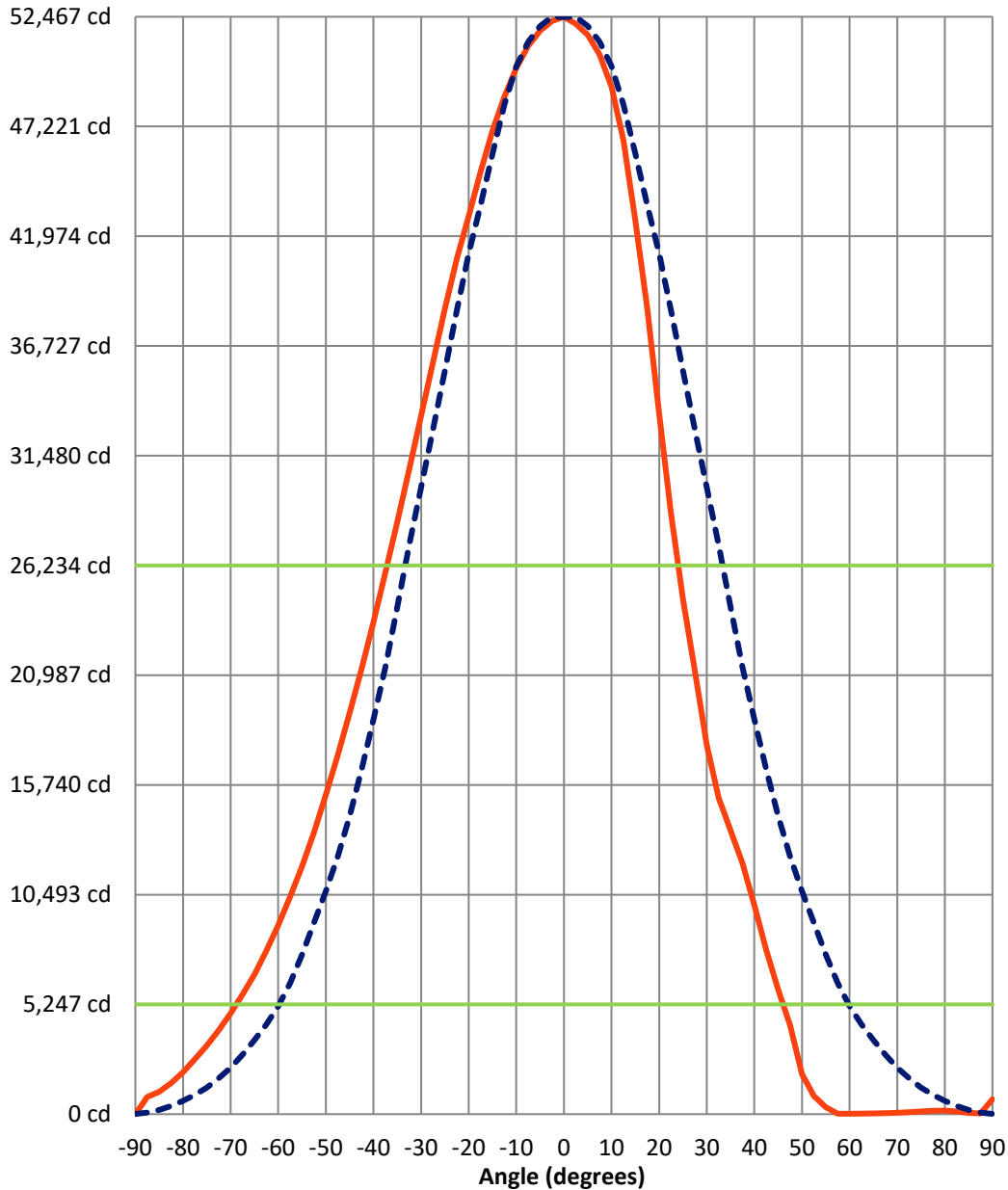
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 66.6°  
 V Angle: 61.2°  
 Lumens: 37898.4  
 Efficiency: 54.3%

**Field:**  
 H Angle: 119.6°  
 V Angle: 114.9°  
 Lumens: 65409.6  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 4391.1  
 Efficiency: 6.3%

— Vertical Distribution through -2.5-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°	11.4	40.0	68.5	106.1	143.6	181.2	218.7	246.0	273.4	300.7	328.0
87.5°	11.4	14.5	16.7	18.0	19.2	20.1	20.7	20.6	20.3	19.8	19.0
85°	11.4	16.8	20.2	23.0	25.3	27.0	28.3	28.6	28.5	27.8	26.7
82.5°	11.4	19.1	23.8	27.9	31.4	34.0	35.9	36.7	37.3	40.1	42.2
80°	11.4	21.3	27.3	32.9	37.4	41.0	44.4	50.1	55.0	59.0	62.3
77.5°	11.4	23.6	30.9	37.8	43.5	50.8	59.1	66.1	72.6	78.1	80.6
75°	11.4	25.8	34.5	42.7	51.1	65.9	74.1	82.2	90.6	96.2	93.5
72.5°	11.4	28.1	38.2	47.6	65.2	81.1	89.5	100.3	112.5	115.0	107.9
70°	11.4	30.3	41.8	53.8	79.5	96.6	106.6	124.6	135.3	135.5	138.5
67.5°	11.4	32.5	45.5	65.9	93.8	112.4	132.7	149.7	159.7	173.6	174.7
65°	11.4	34.7	49.2	77.9	108.3	133.1	159.5	175.6	199.7	213.4	216.3
62.5°	11.4	36.9	52.9	89.8	122.8	158.7	187.0	211.5	240.9	257.4	268.4
60°	11.4	39.0	56.7	101.8	137.5	184.7	215.4	252.0	283.5	313.1	323.8
57.5°	11.4	41.1	65.4	113.7	159.8	211.2	254.4	294.1	337.2	371.3	388.6
55°	11.4	43.2	74.0	125.5	182.6	238.0	295.4	339.1	395.2	434.7	461.0
52.5°	11.4	45.3	82.5	137.3	205.5	266.7	337.2	395.8	455.1	509.9	538.8
50°	11.4	47.4	90.8	149.0	228.4	303.4	379.7	455.0	520.6	589.1	636.7
47.5°	11.4	49.4	99.0	162.0	251.4	340.2	424.4	515.5	597.0	672.3	744.8
45°	11.4	51.3	107.0	179.4	274.3	377.1	477.8	577.2	679.6	779.8	861.6
42.5°	11.4	53.2	114.8	196.4	297.1	414.1	531.6	647.1	764.9	893.8	1018.6
40°	11.4	55.1	122.4	213.2	323.1	451.1	585.7	723.0	857.8	1013.1	1193.2
37.5°	11.4	56.9	129.8	229.6	351.8	488.1	639.9	799.9	961.7	1140.8	1380.1
35°	11.4	58.7	136.9	245.5	380.1	529.4	694.2	877.7	1064.6	1289.5	1588.7
32.5°	11.4	60.4	143.8	260.8	407.8	572.4	751.2	956.0	1166.3	1432.2	1772.4
30°	11.4	62.0	150.4	275.5	434.9	614.8	814.7	1036.1	1266.6	1568.6	1944.5
27.5°	11.4	63.6	156.7	289.5	459.6	656.2	877.5	1119.7	1371.4	1698.5	2105.0
25°	11.4	65.1	162.8	302.9	482.9	696.6	939.2	1201.0	1481.8	1831.0	2254.5
22.5°	11.4	66.5	168.5	315.5	505.0	734.0	999.6	1279.8	1586.3	1958.9	2411.6
20°	11.4	67.9	173.8	327.3	525.7	765.0	1058.4	1355.9	1684.6	2076.8	2559.8
17.5°	11.4	69.1	178.8	338.4	545.1	793.7	1104.5	1428.8	1776.7	2184.7	2698.5
15°	11.4	70.3	183.5	348.6	563.1	819.9	1140.3	1490.1	1862.3	2282.7	2827.1
12.5°	11.4	71.4	187.7	357.9	579.5	843.7	1172.0	1537.9	1937.8	2370.9	2945.1
10°	11.4	72.3	191.5	366.3	594.3	865.0	1199.5	1582.4	2005.6	2474.6	3065.4
7.5°	11.4	73.2	194.9	373.8	607.5	883.7	1222.9	1622.9	2068.4	2577.3	3202.4
5°	11.4	73.9	197.9	380.2	619.0	899.7	1242.1	1659.0	2125.6	2674.2	3327.7
2.5°	11.4	74.6	200.4	385.7	628.7	913.1	1257.1	1689.9	2176.2	2763.3	3440.5
0°	11.4	75.1	202.4	390.1	636.5	923.7	1268.1	1715.3	2219.6	2843.0	3539.9
-2.5°	11.4	76.6	205.5	396.0	646.9	940.9	1298.6	1757.4	2273.7	2898.9	3602.8
-5°	11.4	77.9	208.1	400.8	655.3	955.2	1324.7	1793.0	2319.5	2943.7	3651.3
-7.5°	11.4	79.1	210.2	404.4	661.7	966.4	1345.9	1821.8	2356.4	2977.4	3685.2
-10°	11.4	80.2	211.8	406.9	665.9	974.3	1361.8	1843.2	2384.1	3000.4	3704.5
-12.5°	11.4	81.2	212.9	408.1	668.0	978.9	1372.2	1857.2	2402.4	3013.3	3719.6
-15°	11.4	82.0	213.5	408.2	667.7	980.0	1376.6	1863.3	2408.6	3018.6	3723.3
-17.5°	11.4	82.6	213.5	406.9	665.2	977.4	1374.8	1858.9	2401.7	3010.6	3709.5
-20°	11.4	83.1	213.0	404.5	660.3	971.2	1367.2	1845.2	2384.1	2989.1	3677.8



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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°	11.4	83.5	212.0	400.7	653.0	961.2	1355.2	1824.2	2355.7	2953.8	3628.0
-25°	11.4	83.7	210.5	395.6	643.2	951.3	1337.8	1795.8	2316.2	2904.5	3559.9
-27.5°	11.4	83.8	208.4	389.3	631.0	939.1	1315.2	1760.1	2265.6	2844.9	3492.9
-30°	11.4	83.7	205.8	381.6	616.8	922.8	1287.3	1717.0	2212.4	2779.0	3410.2
-32.5°	11.4	83.4	202.6	372.6	603.8	902.4	1254.1	1676.0	2155.5	2699.8	3311.0
-35°	11.4	83.0	199.0	362.4	588.2	877.9	1223.2	1631.5	2090.2	2607.1	3195.2
-37.5°	11.4	82.5	194.8	350.9	570.1	851.6	1190.0	1580.9	2016.7	2501.2	3075.0
-40°	11.4	81.8	190.1	338.1	549.3	826.3	1151.6	1524.4	1935.2	2402.0	2948.6
-42.5°	11.4	80.9	185.0	324.9	530.0	797.5	1107.8	1462.0	1857.9	2303.7	2810.1
-45°	11.4	79.9	179.3	311.8	512.7	765.3	1058.8	1398.2	1779.6	2193.6	2663.6
-47.5°	11.4	78.7	173.2	297.4	493.3	729.6	1004.7	1334.3	1694.7	2072.0	2525.6
-50°	11.4	77.4	166.6	287.3	471.9	690.8	955.6	1264.1	1599.7	1963.0	2373.6
-52.5°	11.4	76.0	159.5	277.8	448.5	648.7	904.0	1187.9	1503.7	1844.5	2211.6
-55°	11.4	74.4	152.0	267.3	423.3	614.0	848.3	1107.5	1403.4	1716.8	2065.8
-57.5°	11.4	72.7	144.1	255.8	396.3	578.9	788.8	1035.8	1296.6	1590.3	1909.8
-60°	11.4	70.8	135.9	243.3	368.0	541.3	727.5	957.5	1187.5	1459.0	1749.1
-62.5°	11.4	68.8	131.6	229.9	348.5	501.4	677.4	874.0	1088.5	1320.6	1590.3
-65°	11.4	66.7	127.0	215.6	327.5	459.4	624.5	792.6	984.7	1194.6	1423.8
-67.5°	11.4	64.5	122.1	200.5	305.3	422.1	569.0	722.6	876.4	1068.0	1269.8
-70°	11.4	62.1	117.0	184.6	281.9	390.0	511.0	650.0	789.6	936.6	1118.2
-72.5°	11.4	59.7	111.6	174.7	257.4	356.4	464.9	574.9	700.4	831.9	968.9
-75°	11.4	57.1	106.0	166.0	231.8	321.3	418.9	511.6	608.7	724.8	845.7
-77.5°	11.4	54.4	100.2	156.8	216.3	284.9	371.3	451.5	534.3	621.5	719.4
-80°	11.4	51.7	94.2	147.3	202.6	259.9	322.2	389.9	460.2	533.9	611.1
-82.5°	11.4	48.9	88.0	137.4	188.5	241.0	295.0	338.3	384.5	444.6	507.2
-85°	11.4	46.0	81.6	127.2	173.9	221.5	270.1	308.1	346.1	384.6	423.5
-87.5°	11.4	43.0	75.1	116.8	158.9	201.5	244.7	277.3	310.0	342.9	376.1
-90°	11.4	12.3	13.1	13.1	13.1	13.1	13.1	12.7	12.3	11.8	11.4



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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°	352.1	376.2	400.2	424.3	448.0	471.7	495.3	519.0	541.0	563.1	585.1
87.5°	19.5	20.0	20.4	20.7	19.9	19.0	17.9	16.7	18.1	19.6	21.2
85°	27.6	28.5	30.9	32.8	34.0	35.8	37.9	40.5	45.3	50.1	54.7
82.5°	45.9	49.0	51.2	52.6	57.1	62.8	68.8	74.4	79.8	84.9	89.8
80°	66.4	69.6	70.2	71.0	77.0	84.4	92.2	100.3	106.9	112.9	118.5
77.5°	81.3	83.2	85.3	87.7	95.5	106.2	117.0	127.7	135.7	142.1	147.9
75°	93.1	96.5	104.2	109.1	117.7	130.2	142.8	155.0	162.9	167.3	170.2
72.5°	112.2	123.4	130.3	132.9	141.4	156.2	169.4	181.3	187.4	186.5	182.7
70°	141.5	152.0	161.0	164.4	168.1	182.5	193.3	201.7	205.5	198.0	183.4
67.5°	173.2	189.3	197.6	198.0	192.9	205.4	215.1	213.8	207.3	191.2	171.9
65°	213.9	229.3	236.6	233.6	219.7	222.6	221.9	216.1	201.2	179.0	155.9
62.5°	259.5	273.3	279.1	271.4	246.0	235.1	228.9	214.0	191.3	169.5	147.7
60°	317.5	320.6	324.3	310.4	278.6	248.5	236.7	221.8	197.5	167.6	149.7
57.5°	382.6	372.1	373.9	358.3	321.6	267.9	262.6	243.7	223.1	183.8	165.4
55°	457.6	429.0	433.5	419.3	385.6	325.6	305.2	302.5	273.7	242.8	208.7
52.5°	547.6	508.7	507.8	505.5	487.3	435.6	388.9	421.3	439.5	405.0	426.9
50°	648.8	629.4	600.1	634.1	644.9	617.5	576.4	667.1	776.3	826.2	825.0
47.5°	783.0	771.6	746.3	807.9	884.8	955.3	972.3	1136.0	1301.4	1484.2	1505.9
45°	941.2	970.3	955.9	1086.6	1251.4	1441.0	1581.9	1740.7	2117.2	2335.5	2659.1
42.5°	1116.8	1201.6	1278.9	1402.3	1791.0	2032.4	2244.8	2643.5	3018.0	3334.6	3668.9
40°	1342.7	1454.3	1623.1	1959.0	2378.1	2657.4	3023.1	3477.5	3856.7	4214.2	4556.4
37.5°	1587.7	1774.1	2002.7	2484.3	2961.1	3311.0	3758.9	4209.5	4640.6	5041.7	5520.2
35°	1846.7	2094.9	2455.0	2958.1	3458.5	3945.9	4438.8	4940.7	5432.7	5982.4	6520.5
32.5°	2128.5	2416.2	2870.6	3404.9	3965.0	4531.3	5103.9	5689.9	6315.3	6956.2	7527.0
30°	2382.8	2774.1	3257.7	3837.2	4469.3	5119.7	5787.9	6462.3	7230.1	7988.7	8673.5
27.5°	2577.1	3101.8	3642.0	4282.5	4975.1	5700.4	6474.5	7310.2	8204.1	9073.7	9886.7
25°	2763.5	3354.1	4010.5	4727.6	5497.0	6312.5	7178.5	8114.0	9211.0	10229.9	11244.0
22.5°	2958.8	3608.2	4316.5	5161.4	6005.0	6933.2	7894.0	8970.7	10183.0	11387.5	12619.9
20°	3166.5	3871.2	4618.6	5509.6	6480.4	7544.7	8567.4	9820.6	11169.2	12569.0	14072.1
17.5°	3369.0	4112.9	4911.4	5850.5	6902.7	8094.7	9216.8	10643.3	12137.8	13738.8	15438.9
15°	3564.1	4333.2	5178.4	6163.9	7311.2	8576.6	9888.9	11452.0	13123.4	14890.9	16676.2
12.5°	3749.6	4532.0	5419.2	6448.4	7692.6	9044.9	10490.5	12134.4	13965.1	15918.7	17864.9
10°	3923.0	4709.6	5633.0	6702.7	8042.4	9491.4	11026.0	12744.4	14647.9	16660.8	18831.4
7.5°	4054.4	4857.0	5821.6	6925.2	8356.0	9907.5	11494.6	13279.0	15224.9	17321.4	19654.8
5°	4155.1	4976.8	5996.1	7182.1	8657.3	10251.8	11880.1	13734.7	15697.9	17889.8	20365.7
2.5°	4231.6	5078.0	6145.6	7420.8	8927.1	10486.3	12131.5	14033.8	16123.4	18420.6	20943.4
0°	4287.4	5158.9	6267.1	7625.0	9146.0	10658.9	12317.1	14251.1	16469.1	18869.8	21370.1
-2.5°	4382.2	5302.4	6437.0	7786.7	9282.6	10827.9	12556.2	14553.6	16797.0	19153.2	21738.0
-5°	4458.1	5420.4	6574.3	7908.4	9371.7	10938.6	12721.0	14763.9	17011.6	19344.1	21927.9
-7.5°	4513.0	5509.7	6677.4	7989.1	9431.1	11028.0	12836.2	14868.6	17091.9	19458.0	21957.6
-10°	4545.5	5551.9	6709.8	8013.1	9463.1	11076.1	12880.4	14884.0	17067.9	19431.1	21876.3
-12.5°	4557.8	5551.0	6699.8	7993.6	9438.5	11053.1	12845.3	14811.3	16942.0	19258.5	21668.9
-15°	4549.7	5522.5	6653.2	7930.1	9355.4	10956.3	12730.4	14652.5	16708.4	18906.7	21249.3
-17.5°	4521.2	5466.4	6569.5	7822.3	9212.5	10783.5	12525.5	14358.8	16372.9	18500.6	20716.1
-20°	4472.3	5382.7	6448.3	7670.2	9017.4	10556.6	12236.0	14010.7	15945.4	18016.0	20118.9



REPORT NUMBER: P1306156 (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°	4403.2	5271.4	6306.7	7498.9	8830.2	10298.8	11890.4	13592.0	15400.8	17437.6	19441.7
-25°	4323.7	5173.1	6158.5	7312.2	8593.6	9996.8	11485.7	13112.7	14819.9	16726.2	18666.1
-27.5°	4233.1	5053.7	6000.7	7088.5	8303.3	9661.1	11084.7	12611.9	14228.5	15942.5	17802.5
-30°	4121.1	4918.0	5811.6	6843.6	8009.1	9295.6	10664.5	12045.1	13576.3	15192.4	16897.3
-32.5°	3988.2	4754.1	5623.0	6605.8	7689.0	8872.6	10174.2	11487.0	12899.8	14395.4	15975.5
-35°	3846.0	4587.6	5412.8	6334.9	7337.9	8447.1	9635.8	10884.5	12183.9	13589.3	14979.2
-37.5°	3703.0	4397.2	5167.4	6048.2	7008.9	7994.3	9063.4	10251.4	11469.0	12711.6	13988.0
-40°	3542.0	4183.5	4923.2	5744.4	6614.2	7528.6	8530.4	9590.8	10722.8	11843.8	12987.9
-42.5°	3366.7	3986.3	4664.4	5397.2	6211.2	7062.1	7960.9	8953.2	9939.9	10958.0	12014.4
-45°	3200.3	3770.8	4389.0	5070.1	5789.6	6576.4	7415.3	8282.7	9170.9	10070.6	11032.4
-47.5°	3021.4	3547.1	4129.3	4719.6	5380.8	6093.0	6847.3	7627.8	8397.1	9222.1	10044.1
-50°	2835.2	3337.1	3838.7	4387.4	4974.6	5613.8	6298.0	6971.0	7674.5	8388.8	9129.8
-52.5°	2648.4	3114.6	3569.0	4049.3	4580.4	5148.0	5744.2	6345.5	6970.7	7599.5	8234.5
-55°	2446.8	2879.3	3291.6	3725.4	4191.2	4699.7	5204.5	5745.5	6287.4	6862.8	7384.5
-57.5°	2256.0	2624.8	3006.5	3402.9	3819.7	4252.6	4700.8	5153.5	5646.6	6142.8	6589.9
-60°	2068.0	2380.0	2713.3	3075.7	3448.8	3832.2	4203.7	4607.7	5024.9	5431.2	5840.3
-62.5°	1872.9	2149.2	2434.2	2741.6	3081.1	3411.4	3746.8	4087.2	4427.0	4787.6	5133.4
-65°	1680.5	1916.1	2168.8	2435.3	2708.2	3006.6	3301.4	3588.9	3892.5	4187.5	4474.1
-67.5°	1479.4	1695.3	1911.6	2133.6	2377.7	2621.4	2866.5	3130.7	3387.0	3628.1	3871.1
-70°	1299.8	1473.5	1665.1	1861.0	2055.2	2255.1	2472.8	2691.1	2905.3	3110.8	3321.1
-72.5°	1121.3	1277.1	1433.6	1590.5	1759.4	1927.7	2097.7	2269.0	2448.1	2627.4	2801.7
-75°	962.2	1079.0	1215.0	1353.4	1485.3	1614.0	1745.6	1891.1	2034.4	2175.0	2314.3
-77.5°	817.1	915.7	1017.7	1122.7	1223.0	1330.9	1439.2	1547.8	1654.6	1759.2	1861.6
-80°	680.7	749.9	832.0	917.1	996.8	1075.3	1153.9	1232.3	1311.4	1394.3	1479.7
-82.5°	563.5	619.9	676.9	734.5	787.5	839.3	892.8	954.0	1016.6	1078.8	1140.2
-85°	456.3	488.6	532.4	576.7	619.0	660.7	701.9	742.4	784.0	825.1	865.5
-87.5°	404.4	432.6	460.7	488.6	515.5	542.2	568.7	594.9	621.7	648.4	675.1
-90°	11.4	11.4	11.4	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	607.1	614.1	621.0	628.0	634.9	651.2	667.6	683.9	700.2	703.9	707.5
87.5°	22.8	22.9	22.9	22.9	22.8	26.5	30.2	34.1	38.0	37.6	37.0
85°	59.3	60.2	60.6	60.6	60.3	65.3	70.4	75.4	80.1	76.9	73.2
82.5°	94.5	96.2	97.8	99.5	101.3	106.6	111.7	116.6	121.2	122.7	124.1
80°	123.7	126.9	129.3	131.2	132.6	137.1	141.8	146.4	150.7	155.3	159.9
77.5°	152.0	153.1	152.5	151.0	148.7	149.3	150.3	150.9	150.9	153.3	156.1
75°	171.7	169.4	162.7	155.0	146.3	141.0	137.1	132.9	128.7	127.9	128.2
72.5°	176.1	167.1	156.1	142.3	128.8	119.4	113.1	106.9	101.1	98.2	96.5
70°	166.7	149.6	134.7	120.0	105.7	95.1	88.7	82.9	77.6	74.2	71.8
67.5°	150.1	128.9	113.3	98.2	84.2	73.2	67.7	62.6	57.9	54.5	52.0
65°	133.3	110.8	95.7	81.2	67.1	56.2	51.9	47.7	43.6	40.6	38.9
62.5°	123.9	100.3	84.7	72.0	59.2	46.6	42.2	37.9	33.6	30.3	28.9
60°	127.2	100.4	81.5	69.7	56.4	42.0	36.4	32.5	28.1	24.2	22.8
57.5°	147.1	117.9	89.5	84.9	71.5	50.2	52.2	60.7	54.3	37.4	35.5
55°	225.1	217.8	142.6	184.6	214.6	202.2	188.8	250.0	279.8	281.3	309.0
52.5°	447.3	500.2	480.5	503.4	627.5	677.8	671.2	780.4	837.1	829.4	859.0
50°	942.0	1050.1	1183.2	1204.6	1412.8	1557.1	1591.9	1718.6	1859.1	1912.9	1973.4
47.5°	1838.4	2091.7	2220.2	2365.1	2604.7	2867.3	3070.7	3252.9	3450.3	3585.3	3748.2
45°	2994.6	3173.6	3397.2	3733.7	4099.5	4442.2	4764.1	5057.4	5250.8	5423.3	5606.4
42.5°	3945.8	4231.6	4606.7	5108.8	5629.2	5980.9	6245.7	6528.3	6830.5	7117.8	7382.7
40°	4919.8	5251.0	5846.1	6415.0	6803.4	7142.8	7505.3	7888.8	8283.9	8660.8	9035.6
37.5°	5963.6	6453.2	6974.3	7471.6	7882.4	8203.5	8700.2	9125.1	9521.0	10082.3	10597.1
35°	7074.3	7606.4	8054.2	8623.0	9082.3	9478.4	9998.1	10533.3	10875.9	11645.8	12312.3
32.5°	8179.4	8799.6	9396.6	9936.6	10506.7	11117.4	11623.2	12357.3	12915.8	13652.2	14376.1
30°	9330.9	10180.9	10926.1	11518.8	12295.4	13084.9	13794.6	14659.1	15482.3	16167.7	16935.0
27.5°	10783.8	11729.0	12637.8	13551.2	14380.8	15366.7	16496.4	17410.8	18464.7	19212.0	20014.4
25°	12325.3	13451.3	14660.0	15837.5	16925.7	18201.2	19481.9	20599.2	21691.5	22552.5	23410.0
22.5°	14001.6	15363.2	16801.8	18284.0	19755.2	21152.6	22527.4	23910.0	25169.0	26352.5	27176.8
20°	15704.0	17216.0	18963.0	20748.8	22442.9	24020.1	25672.1	27420.5	29020.4	30391.9	31407.5
17.5°	17239.7	19136.3	21057.8	23017.1	24927.6	26876.9	28926.6	30982.9	32877.2	34483.4	35831.8
15°	18623.2	20772.0	22996.5	25207.1	27404.1	29648.4	32043.5	34259.0	36382.2	38224.3	39800.7
12.5°	19987.4	22282.5	24667.0	27145.6	29750.2	32180.3	34618.8	37007.8	39232.9	41374.1	42953.4
10°	21194.8	23673.0	26225.8	28881.9	31579.5	34215.8	36786.1	39276.6	41462.7	43484.6	45395.2
7.5°	22178.7	24836.4	27561.0	30354.6	33131.1	35800.6	38418.4	40907.1	43126.1	45198.0	47151.8
5°	23027.2	25846.1	28658.0	31441.9	34235.6	37004.5	39647.5	42101.4	44412.6	46565.8	48523.8
2.5°	23719.7	26658.9	29508.1	32250.0	35032.4	37866.6	40576.3	42947.0	45363.0	47552.9	49480.2
0°	24239.3	27206.3	29964.5	32730.8	35547.8	38413.7	41139.2	43461.6	45921.1	48261.5	50094.3
-2.5°	24523.5	27316.4	30061.7	32837.1	35739.0	38687.0	41408.8	43911.9	46357.4	48551.2	50255.1
-5°	24622.2	27369.6	30105.1	32930.6	35807.3	38709.0	41421.4	43931.2	46279.6	48331.5	49885.7
-7.5°	24556.0	27276.3	29984.4	32782.2	35640.6	38507.6	41176.5	43577.2	45838.7	47782.3	49265.3
-10°	24355.9	26990.3	29699.3	32451.1	35315.6	38146.2	40761.6	42927.5	45086.7	46910.2	48312.4
-12.5°	24025.3	26547.6	29219.3	31910.1	34720.6	37441.4	39878.6	42035.2	43964.6	45811.5	47038.9
-15°	23556.3	25988.1	28542.4	31177.3	33840.0	36472.1	38848.5	40933.0	42720.4	44177.3	45469.9
-17.5°	22968.0	25314.4	27762.1	30287.0	32759.5	35263.7	37466.0	39554.9	41274.3	42571.2	43574.3
-20°	22243.9	24521.0	26861.8	29272.3	31569.6	33699.5	35822.5	37764.8	39464.3	40732.5	41696.5



REPORT NUMBER: P1306156 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-70-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21479.6	23627.9	25845.5	28019.1	30111.1	32113.3	34036.1	35818.8	37434.7	38633.9	39556.3
-25°	20609.9	22619.1	24669.5	26632.5	28543.2	30407.3	32150.1	33801.9	35212.6	36379.1	37235.6
-27.5°	19657.5	21528.3	23378.9	25204.6	26977.3	28588.7	30192.3	31683.4	32924.0	33996.7	34755.3
-30°	18616.7	20327.6	22062.0	23773.4	25306.9	26758.5	28183.3	29477.6	30614.7	31556.7	32237.0
-32.5°	17519.0	19082.1	20690.9	22238.3	23583.1	24892.7	26135.1	27269.7	28312.4	29144.7	29758.3
-35°	16384.2	17832.3	19277.0	20615.0	21868.4	23033.3	24103.8	25109.6	25973.4	26732.1	27333.5
-37.5°	15267.9	16572.3	17826.1	18994.3	20152.4	21220.8	22155.9	23038.3	23823.6	24456.4	24983.7
-40°	14173.2	15327.7	16395.2	17435.1	18469.9	19374.3	20223.4	20984.4	21679.4	22284.0	22752.4
-42.5°	13084.9	14079.1	15000.5	15936.3	16831.0	17615.4	18354.7	19014.0	19617.1	20158.8	20613.1
-45°	11992.7	12843.0	13663.0	14485.8	15228.7	15927.3	16569.9	17149.2	17688.0	18144.2	18516.6
-47.5°	10877.2	11631.5	12376.4	13089.3	13705.7	14309.3	14862.6	15382.9	15868.4	16278.7	16607.7
-50°	9812.0	10478.8	11145.8	11735.1	12253.3	12755.9	13224.1	13726.6	14176.0	14549.7	14821.7
-52.5°	8812.0	9414.9	9988.2	10470.9	10908.9	11301.4	11661.1	12127.8	12550.8	12917.9	13159.0
-55°	7901.3	8417.3	8908.8	9307.6	9673.4	10000.7	10327.1	10702.2	11043.7	11349.1	11550.6
-57.5°	7044.1	7481.4	7890.3	8226.1	8531.2	8804.9	9108.0	9421.6	9701.6	9942.7	10104.9
-60°	6231.4	6603.7	6942.8	7219.0	7472.5	7702.9	7991.4	8265.1	8507.2	8703.8	8824.9
-62.5°	5464.7	5798.6	6062.3	6284.4	6487.0	6681.0	6933.1	7169.5	7387.9	7562.2	7663.7
-65°	4762.8	5055.2	5251.1	5426.9	5586.5	5761.4	5975.7	6168.1	6338.6	6468.1	6556.3
-67.5°	4122.9	4354.2	4508.8	4648.4	4785.2	4934.8	5116.7	5284.6	5438.0	5544.7	5610.6
-70°	3526.8	3705.1	3830.4	3949.1	4063.3	4191.6	4340.6	4479.4	4607.5	4690.3	4742.9
-72.5°	2970.6	3106.6	3210.1	3312.3	3404.4	3514.3	3635.9	3749.7	3855.4	3917.7	3957.7
-75°	2451.8	2556.0	2640.8	2719.2	2791.2	2883.7	2982.1	3074.6	3160.6	3208.1	3238.8
-77.5°	1970.7	2050.5	2114.3	2172.8	2225.8	2299.1	2374.9	2446.0	2512.4	2554.7	2588.7
-80°	1563.3	1611.5	1650.7	1687.3	1721.0	1775.8	1831.4	1883.8	1932.8	1960.4	1982.3
-82.5°	1200.8	1230.1	1253.4	1273.9	1291.5	1329.8	1367.9	1403.9	1437.9	1455.8	1470.9
-85°	905.1	920.9	934.1	945.9	956.3	982.9	1009.2	1034.5	1059.0	1064.1	1067.8
-87.5°	701.8	710.3	718.5	726.3	733.9	753.6	773.2	792.7	812.0	815.3	818.4
-90°	8.2	7.8	7.4	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	711.2	714.8	712.4	709.9	712.4	714.8	711.2	707.5	703.9	700.2	683.9
87.5°	36.4	35.8	35.9	35.9	35.9	35.8	36.4	37.0	37.6	38.0	34.1
85°	69.3	65.1	62.0	58.8	62.0	65.1	69.3	73.2	76.9	80.1	75.4
82.5°	125.4	126.6	126.3	125.7	126.3	126.6	125.4	124.1	122.7	121.2	116.6
80°	164.5	168.9	170.4	171.4	170.4	168.9	164.5	159.9	155.3	150.7	146.4
77.5°	158.8	161.6	162.4	163.2	162.4	161.6	158.8	156.1	153.3	150.9	150.9
75°	128.7	129.5	129.1	128.9	129.1	129.5	128.7	128.2	127.9	128.7	132.9
72.5°	95.1	94.0	93.2	93.0	93.2	94.0	95.1	96.5	98.2	101.1	106.9
70°	69.7	67.8	66.4	65.3	66.4	67.8	69.7	71.8	74.2	77.6	82.9
67.5°	49.9	48.1	46.7	45.7	46.7	48.1	49.9	52.0	54.5	57.9	62.6
65°	37.5	36.4	35.3	34.3	35.3	36.4	37.5	38.9	40.6	43.6	47.7
62.5°	27.6	26.6	26.2	26.1	26.2	26.6	27.6	28.9	30.3	33.6	37.9
60°	21.4	20.2	19.7	19.6	19.7	20.2	21.4	22.8	24.2	28.1	32.5
57.5°	32.1	27.5	24.7	22.8	24.7	27.5	32.1	35.5	37.4	54.3	60.7
55°	323.7	324.6	331.1	337.8	331.1	324.6	323.7	309.0	281.3	279.8	250.0
52.5°	881.6	878.8	870.8	855.2	870.8	878.8	881.6	859.0	829.4	837.1	780.4
50°	2009.8	1981.4	1919.9	1832.8	1919.9	1981.4	2009.8	1973.4	1912.9	1859.1	1718.6
47.5°	3967.6	4131.8	4245.3	4295.6	4245.3	4131.8	3967.6	3748.2	3585.3	3450.3	3252.9
45°	5796.9	5894.3	5951.1	5996.2	5951.1	5894.3	5796.9	5606.4	5423.3	5250.8	5057.4
42.5°	7608.2	7762.5	7838.5	7825.7	7838.5	7762.5	7608.2	7382.7	7117.8	6830.5	6528.3
40°	9395.8	9718.7	9983.8	10174.2	9983.8	9718.7	9395.8	9035.6	8660.8	8283.9	7888.8
37.5°	11106.2	11587.2	11993.4	12287.7	11993.4	11587.2	11106.2	10597.1	10082.3	9521.0	9125.1
35°	12857.6	13281.7	13560.1	13681.5	13560.1	13281.7	12857.6	12312.3	11645.8	10875.9	10533.3
32.5°	14837.8	15073.4	15123.4	15249.9	15123.4	15073.4	14837.8	14376.1	13652.2	12915.8	12357.3
30°	17402.2	17647.1	17653.0	17812.2	17653.0	17647.1	17402.2	16935.0	16167.7	15482.3	14659.1
27.5°	20646.9	21059.4	21193.4	21334.2	21193.4	21059.4	20646.9	20014.4	19212.0	18464.7	17410.8
25°	24121.5	24506.1	24629.3	24582.0	24629.3	24506.1	24121.5	23410.0	22552.5	21691.5	20599.2
22.5°	28021.4	28520.0	28701.4	28609.9	28701.4	28520.0	28021.4	27176.8	26352.5	25169.0	23910.0
20°	32386.3	33105.9	33486.3	33657.9	33486.3	33105.9	32386.3	31407.5	30391.9	29202.4	27420.5
17.5°	36980.7	38041.1	38528.0	38671.5	38528.0	38041.1	36980.7	35831.8	34483.4	32877.2	30982.9
15°	41160.3	42086.2	42717.6	43042.2	42717.6	42086.2	41160.3	39800.7	38224.3	36382.2	34259.0
12.5°	44392.1	45572.2	46555.7	47083.1	46555.7	45572.2	44392.1	42953.4	41374.1	39232.9	37007.8
10°	47026.5	48218.0	49112.3	49545.9	49112.3	48218.0	47026.5	45395.2	43484.6	41462.7	39276.6
7.5°	48849.1	49956.4	50650.7	50934.8	50650.7	49956.4	48849.1	47151.8	45198.0	43126.1	40907.1
5°	50027.2	51085.9	51599.1	51783.5	51599.1	51085.9	50027.2	48523.8	46565.8	44412.6	42101.4
2.5°	50875.4	51713.1	52124.1	52150.7	52124.1	51713.1	50875.4	49480.2	47552.9	45363.0	42947.0
0°	51262.8	52016.8	52467.3	52459.1	52467.3	52016.8	51262.8	50094.3	48261.5	45921.1	43461.6
-2.5°	51281.6	51937.6	52257.7	52077.2	52257.7	51937.6	51281.6	50255.1	48551.2	46357.4	43911.9
-5°	50915.9	51557.9	51797.8	51742.6	51797.8	51557.9	50915.9	49885.7	48331.5	46279.6	43931.2
-7.5°	50259.2	50828.9	51073.8	51081.7	51073.8	50828.9	50259.2	49265.3	47782.3	45838.7	43577.2
-10°	49257.8	49733.8	50014.4	49934.3	50014.4	49733.8	49257.8	48312.4	46910.2	45086.7	42927.5
-12.5°	47933.2	48403.0	48640.9	48592.8	48640.9	48403.0	47933.2	47038.9	45811.5	43964.6	42035.2
-15°	46348.7	46795.2	47018.0	46996.6	47018.0	46795.2	46348.7	45469.9	44177.3	42720.4	40933.0
-17.5°	44386.9	44834.5	45062.6	45093.7	45062.6	44834.5	44386.9	43574.3	42571.2	41274.3	39554.9
-20°	42331.0	42725.7	42934.7	42937.7	42934.7	42725.7	42331.0	41696.5	40732.5	39464.3	37764.8



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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°	40199.8	40643.0	40891.1	40853.6	40891.1	40643.0	40199.8	39556.3	38633.9	37434.7	35818.8
-25°	37824.4	38268.6	38509.7	38500.2	38509.7	38268.6	37824.4	37235.6	36379.1	35212.6	33801.9
-27.5°	35288.5	35715.4	35948.2	35977.0	35948.2	35715.4	35288.5	34755.3	33996.7	32924.0	31683.4
-30°	32734.1	33155.0	33383.0	33401.6	33383.0	33155.0	32734.1	32237.0	31556.7	30614.7	29477.6
-32.5°	30231.0	30611.1	30821.7	30844.2	30821.7	30611.1	30231.0	29758.3	29144.7	28312.4	27269.7
-35°	27789.0	28123.0	28312.0	28373.3	28312.0	28123.0	27789.0	27333.5	26732.1	25973.4	25109.6
-37.5°	25412.3	25714.3	25896.8	26008.4	25896.8	25714.3	25412.3	24983.7	24456.4	23823.6	23038.3
-40°	23116.7	23381.2	23526.7	23529.3	23526.7	23381.2	23116.7	22752.4	22284.0	21679.4	20984.4
-42.5°	20949.5	21172.2	21283.5	21285.3	21283.5	21172.2	20949.5	20613.1	20158.8	19617.1	19014.0
-45°	18816.5	19034.3	19188.5	19286.0	19188.5	19034.3	18816.5	18516.6	18144.2	17688.0	17149.2
-47.5°	16858.7	17037.3	17159.6	17226.3	17159.6	17037.3	16858.7	16607.7	16278.7	15868.4	15382.9
-50°	15020.9	15163.6	15268.0	15329.9	15268.0	15163.6	15020.9	14821.7	14549.7	14176.0	13726.6
-52.5°	13322.6	13426.8	13464.3	13440.0	13464.3	13426.8	13322.6	13159.0	12917.9	12550.8	12127.8
-55°	11701.7	11805.6	11847.1	11832.4	11847.1	11805.6	11701.7	11550.6	11349.1	11043.7	10702.2
-57.5°	10232.6	10324.6	10398.4	10443.5	10398.4	10324.6	10232.6	10104.9	9942.7	9701.6	9421.6
-60°	8920.3	8988.4	9034.7	9053.0	9034.7	8988.4	8920.3	8824.9	8703.8	8507.2	8265.1
-62.5°	7734.9	7777.2	7810.2	7824.1	7810.2	7777.2	7734.9	7663.7	7562.2	7387.9	7169.5
-65°	6626.7	6678.4	6672.2	6635.9	6672.2	6678.4	6626.7	6556.3	6468.1	6338.6	6168.1
-67.5°	5660.4	5694.1	5723.0	5738.3	5723.0	5694.1	5660.4	5610.6	5544.7	5438.0	5284.6
-70°	4783.1	4810.7	4820.9	4817.8	4820.9	4810.7	4783.1	4742.9	4690.3	4607.5	4479.4
-72.5°	3987.9	4008.1	4012.0	4005.1	4012.0	4008.1	3987.9	3957.7	3917.7	3855.4	3749.7
-75°	3260.7	3274.1	3280.8	3280.4	3280.8	3274.1	3260.7	3238.8	3208.1	3160.6	3074.6
-77.5°	2617.0	2639.6	2630.0	2612.9	2630.0	2639.6	2617.0	2588.7	2554.7	2512.4	2446.0
-80°	2000.2	2014.0	2006.4	1994.4	2006.4	2014.0	2000.2	1982.3	1960.4	1932.8	1883.8
-82.5°	1484.0	1494.9	1482.5	1467.2	1482.5	1494.9	1484.0	1470.9	1455.8	1437.9	1403.9
-85°	1070.4	1072.0	1071.0	1069.0	1071.0	1072.0	1070.4	1067.8	1064.1	1059.0	1034.5
-87.5°	821.2	823.8	821.6	819.3	821.6	823.8	821.2	818.4	815.3	812.0	792.7
-90°	3.7	3.3	4.1	4.9	4.1	3.3	3.7	4.1	4.5	4.9	5.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	667.6	651.2	634.9	628.0	621.0	614.1	607.1	585.1	563.1	541.0	519.0
87.5°	30.2	26.5	22.8	22.9	22.9	22.9	22.8	21.2	19.6	18.1	16.7
85°	70.4	65.3	60.3	60.6	60.6	60.2	59.3	54.7	50.1	45.3	40.5
82.5°	111.7	106.6	101.3	99.5	97.8	96.2	94.5	89.8	84.9	79.8	74.4
80°	141.8	137.1	132.6	131.2	129.3	126.9	123.7	118.5	112.9	106.9	100.3
77.5°	150.3	149.3	148.7	151.0	152.5	153.1	152.0	147.9	142.1	135.7	127.7
75°	137.1	141.0	146.3	155.0	162.7	169.4	171.7	170.2	167.3	162.9	155.0
72.5°	113.1	119.4	128.8	142.3	156.1	167.1	176.1	182.7	186.5	187.4	181.3
70°	88.7	95.1	105.7	120.0	134.7	149.6	166.7	183.4	198.0	205.5	201.7
67.5°	67.7	73.2	84.2	98.2	113.3	128.9	150.1	171.9	191.2	207.3	213.8
65°	51.9	56.2	67.1	81.2	95.7	110.8	133.3	155.9	179.0	201.2	216.1
62.5°	42.2	46.6	59.2	72.0	84.7	100.3	123.9	147.7	169.5	191.3	214.0
60°	36.4	42.0	56.4	69.7	81.5	100.4	127.2	149.7	167.6	197.5	221.8
57.5°	52.2	50.2	71.5	84.9	89.5	117.9	147.1	165.4	183.8	223.1	243.7
55°	188.8	202.2	214.6	184.6	142.6	217.8	225.1	208.7	242.8	273.7	302.5
52.5°	671.2	677.8	627.5	503.4	480.5	500.2	447.3	426.9	405.0	439.5	421.3
50°	1591.9	1557.1	1412.8	1204.6	1183.2	1050.1	942.0	825.0	826.2	776.3	667.1
47.5°	3070.7	2867.3	2604.7	2365.1	2220.2	2091.7	1838.4	1505.9	1484.2	1301.4	1136.0
45°	4764.1	4442.2	4099.5	3733.7	3397.2	3173.6	2994.6	2659.1	2335.5	2117.2	1740.7
42.5°	6245.7	5980.9	5629.2	5108.8	4606.7	4231.6	3945.8	3668.9	3334.6	3018.0	2643.5
40°	7505.3	7142.8	6803.4	6415.0	5846.1	5251.0	4919.8	4556.4	4214.2	3856.7	3477.5
37.5°	8700.2	8203.5	7882.4	7471.6	6974.3	6453.2	5963.6	5520.2	5041.7	4640.6	4209.5
35°	9998.1	9478.4	9082.3	8623.0	8054.2	7606.4	7074.3	6520.5	5982.4	5432.7	4940.7
32.5°	11623.2	11117.4	10506.7	9936.6	9396.6	8799.6	8179.4	7527.0	6956.2	6315.3	5689.9
30°	13794.6	13084.9	12295.4	11518.8	10926.1	10180.9	9330.9	8673.5	7988.7	7230.1	6462.3
27.5°	16496.4	15366.7	14380.8	13551.2	12637.8	11729.0	10783.8	9886.7	9073.7	8204.1	7310.2
25°	19481.9	18201.2	16925.7	15837.5	14660.0	13451.3	12325.3	11244.0	10229.9	9211.0	8114.0
22.5°	22527.4	21152.6	19755.2	18284.0	16801.8	15363.2	14001.6	12619.9	11387.5	10183.0	8970.7
20°	25672.1	24020.1	22442.9	20748.8	18963.0	17216.0	15704.0	14072.1	12569.0	11169.2	9820.6
17.5°	28926.6	26876.9	24927.6	23017.1	21057.8	19136.3	17239.7	15438.9	13738.8	12137.8	10643.3
15°	32043.5	29648.4	27404.1	25207.1	22996.5	20772.0	18623.2	16676.2	14890.9	13123.4	11452.0
12.5°	34618.8	32180.3	29750.2	27145.6	24667.0	22282.5	19987.4	17864.9	15918.7	13965.1	12134.4
10°	36786.1	34215.8	31579.5	28881.9	26225.8	23673.0	21194.8	18831.4	16660.8	14647.9	12744.4
7.5°	38418.4	35800.6	33131.1	30354.6	27561.0	24836.4	22178.7	19654.8	17321.4	15224.9	13279.0
5°	39647.5	37004.5	34235.6	31441.9	28658.0	25846.1	23027.2	20365.7	17889.8	15697.9	13734.7
2.5°	40576.3	37866.6	35032.4	32250.0	29508.1	26658.9	23719.7	20943.4	18420.6	16123.4	14033.8
0°	41139.2	38413.7	35547.8	32730.8	29964.5	27206.3	24239.3	21370.1	18869.8	16469.1	14251.1
-2.5°	41408.8	38687.0	35739.0	32837.1	30061.7	27316.4	24523.5	21738.0	19153.2	16797.0	14553.6
-5°	41421.4	38709.0	35807.3	32930.6	30105.1	27369.6	24622.2	21927.9	19344.1	17011.6	14763.9
-7.5°	41176.5	38507.6	35640.6	32782.2	29984.4	27276.3	24556.0	21957.6	19458.0	17091.9	14868.6
-10°	40761.6	38146.2	35315.6	32451.1	29699.3	26990.3	24355.9	21876.3	19431.1	17067.9	14884.0
-12.5°	39878.6	37441.4	34720.6	31910.1	29219.3	26547.6	24025.3	21668.9	19258.5	16942.0	14811.3
-15°	38848.5	36472.1	33840.0	31177.3	28542.4	25988.1	23556.3	21249.3	18906.7	16708.4	14652.5
-17.5°	37466.0	35263.7	32759.5	30287.0	27762.1	25314.4	22968.0	20716.1	18500.6	16372.9	14358.8
-20°	35822.5	33699.5	31569.6	29272.3	26861.8	24521.0	22243.9	20118.9	18016.0	15945.4	14010.7



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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°	34036.1	32113.3	30111.1	28019.1	25845.5	23627.9	21479.6	19441.7	17437.6	15400.8	13592.0
-25°	32150.1	30407.3	28543.2	26632.5	24669.5	22619.1	20609.9	18666.1	16726.2	14819.9	13112.7
-27.5°	30192.3	28588.7	26977.3	25204.6	23378.9	21528.3	19657.5	17802.5	15942.5	14228.5	12611.9
-30°	28183.3	26758.5	25306.9	23773.4	22062.0	20327.6	18616.7	16897.3	15192.4	13576.3	12045.1
-32.5°	26135.1	24892.7	23583.1	22238.3	20690.9	19082.1	17519.0	15975.5	14395.4	12899.8	11487.0
-35°	24103.8	23033.3	21868.4	20615.0	19277.0	17832.3	16384.2	14979.2	13589.3	12183.9	10884.5
-37.5°	22155.9	21220.8	20152.4	18994.3	17826.1	16572.3	15267.9	13988.0	12711.6	11469.0	10251.4
-40°	20223.4	19374.3	18469.9	17435.1	16395.2	15327.7	14173.2	12987.9	11843.8	10722.8	9590.8
-42.5°	18354.7	17615.4	16831.0	15936.3	15000.5	14079.1	13084.9	12014.4	10958.0	9939.9	8953.2
-45°	16569.9	15927.3	15228.7	14485.8	13663.0	12843.0	11992.7	11032.4	10070.6	9170.9	8282.7
-47.5°	14862.6	14309.3	13705.7	13089.3	12376.4	11631.5	10877.2	10044.1	9222.1	8397.1	7627.8
-50°	13224.1	12755.9	12253.3	11735.1	11145.8	10478.8	9812.0	9129.8	8388.8	7674.5	6971.0
-52.5°	11661.1	11301.4	10908.9	10470.9	9988.2	9414.9	8812.0	8234.5	7599.5	6970.7	6345.5
-55°	10327.1	10000.7	9673.4	9307.6	8908.8	8417.3	7901.3	7384.5	6862.8	6287.4	5745.5
-57.5°	9108.0	8804.9	8531.2	8226.1	7890.3	7481.4	7044.1	6589.9	6142.8	5646.6	5153.5
-60°	7991.4	7702.9	7472.5	7219.0	6942.8	6603.7	6231.4	5840.3	5431.2	5024.9	4607.7
-62.5°	6933.1	6681.0	6487.0	6284.4	6062.3	5798.6	5464.7	5133.4	4787.6	4427.0	4087.2
-65°	5975.7	5761.4	5586.5	5426.9	5251.1	5055.2	4762.8	4474.1	4187.5	3892.5	3588.9
-67.5°	5116.7	4934.8	4785.2	4648.4	4508.8	4354.2	4122.9	3871.1	3628.1	3387.0	3130.7
-70°	4340.6	4191.6	4063.3	3949.1	3830.4	3705.1	3526.8	3321.1	3110.8	2905.3	2691.1
-72.5°	3635.9	3514.3	3404.4	3312.3	3210.1	3106.6	2970.6	2801.7	2627.4	2448.1	2269.0
-75°	2982.1	2883.7	2791.2	2719.2	2640.8	2556.0	2451.8	2314.3	2175.0	2034.4	1891.1
-77.5°	2374.9	2299.1	2225.8	2172.8	2114.3	2050.5	1970.7	1861.6	1759.2	1654.6	1547.8
-80°	1831.4	1775.8	1721.0	1687.3	1650.7	1611.5	1563.3	1479.7	1394.3	1311.4	1232.3
-82.5°	1367.9	1329.8	1291.5	1273.9	1253.4	1230.1	1200.8	1140.2	1078.8	1016.6	954.0
-85°	1009.2	982.9	956.3	945.9	934.1	920.9	905.1	865.5	825.1	784.0	742.4
-87.5°	773.2	753.6	733.9	726.3	718.5	710.3	701.8	675.1	648.4	621.7	594.9
-90°	5.7	6.1	6.5	6.9	7.4	7.8	8.2	8.6	9.0	9.4	9.8



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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°	495.3	471.7	448.0	424.3	400.2	376.2	352.1	328.0	300.7	273.4	246.0
87.5°	17.9	19.0	19.9	20.7	20.4	20.0	19.5	19.0	19.8	20.3	20.6
85°	37.9	35.8	34.0	32.8	30.9	28.5	27.6	26.7	27.8	28.5	28.6
82.5°	68.8	62.8	57.1	52.6	51.2	49.0	45.9	42.2	40.1	37.3	36.7
80°	92.2	84.4	77.0	71.0	70.2	69.6	66.4	62.3	59.0	55.0	50.1
77.5°	117.0	106.2	95.5	87.7	85.3	83.2	81.3	80.6	78.1	72.6	66.1
75°	142.8	130.2	117.7	109.1	104.2	96.5	93.1	93.5	96.2	90.6	82.2
72.5°	169.4	156.2	141.4	132.9	130.3	123.4	112.2	107.9	115.0	112.5	100.3
70°	193.3	182.5	168.1	164.4	161.0	152.0	141.5	138.5	135.5	135.3	124.6
67.5°	215.1	205.4	192.9	198.0	197.6	189.3	173.2	174.7	173.6	159.7	149.7
65°	221.9	222.6	219.7	233.6	236.6	229.3	213.9	216.3	213.4	199.7	175.6
62.5°	228.9	235.1	246.0	271.4	279.1	273.3	259.5	268.4	257.4	240.9	211.5
60°	236.7	248.5	278.6	310.4	324.3	320.6	317.5	323.8	313.1	283.5	252.0
57.5°	262.6	267.9	321.6	358.3	373.9	372.1	382.6	388.6	371.3	337.2	294.1
55°	305.2	325.6	385.6	419.3	433.5	429.0	457.6	461.0	434.7	395.2	339.1
52.5°	388.9	435.6	487.3	505.5	507.8	508.7	547.6	538.8	509.9	455.1	395.8
50°	576.4	617.5	644.9	634.1	600.1	629.4	648.8	636.7	589.1	520.6	455.0
47.5°	972.3	955.3	884.8	807.9	746.3	771.6	783.0	744.8	672.3	597.0	515.5
45°	1581.9	1441.0	1251.4	1086.6	955.9	970.3	941.2	861.6	779.8	679.6	577.2
42.5°	2244.8	2032.4	1791.0	1402.3	1278.9	1201.6	1116.8	1018.6	893.8	764.9	647.1
40°	3023.1	2657.4	2378.1	1959.0	1623.1	1454.3	1342.7	1193.2	1013.1	857.8	723.0
37.5°	3758.9	3311.0	2961.1	2484.3	2002.7	1774.1	1587.7	1380.1	1140.8	961.7	799.9
35°	4438.8	3945.9	3458.5	2958.1	2455.0	2094.9	1846.7	1588.7	1289.5	1064.6	877.7
32.5°	5103.9	4531.3	3965.0	3404.9	2870.6	2416.2	2128.5	1772.4	1432.2	1166.3	956.0
30°	5787.9	5119.7	4469.3	3837.2	3257.7	2774.1	2382.8	1944.5	1568.6	1266.6	1036.1
27.5°	6474.5	5700.4	4975.1	4282.5	3642.0	3101.8	2577.1	2105.0	1698.5	1371.4	1119.7
25°	7178.5	6312.5	5497.0	4727.6	4010.5	3354.1	2763.5	2254.5	1831.0	1481.8	1201.0
22.5°	7894.0	6933.2	6005.0	5161.4	4316.5	3608.2	2958.8	2411.6	1958.9	1586.3	1279.8
20°	8567.4	7544.7	6480.4	5509.6	4618.6	3871.2	3166.5	2559.8	2076.8	1684.6	1355.9
17.5°	9216.8	8094.7	6902.7	5850.5	4911.4	4112.9	3369.0	2698.5	2184.7	1776.7	1428.8
15°	9888.9	8576.6	7311.2	6163.9	5178.4	4333.2	3564.1	2827.1	2282.7	1862.3	1490.1
12.5°	10490.5	9044.9	7692.6	6448.4	5419.2	4532.0	3749.6	2945.1	2370.9	1937.8	1537.9
10°	11026.0	9491.4	8042.4	6702.7	5633.0	4709.6	3923.0	3065.4	2474.6	2005.6	1582.4
7.5°	11494.6	9907.5	8356.0	6925.2	5821.6	4857.0	4054.4	3202.4	2577.3	2068.4	1622.9
5°	11880.1	10251.8	8657.3	7182.1	5996.1	4976.8	4155.1	3327.7	2674.2	2125.6	1659.0
2.5°	12131.5	10486.3	8927.1	7420.8	6145.6	5078.0	4231.6	3440.5	2763.3	2176.2	1689.9
0°	12317.1	10658.9	9146.0	7625.0	6267.1	5158.9	4287.4	3539.9	2843.0	2219.6	1715.3
-2.5°	12556.2	10827.9	9282.6	7786.7	6437.0	5302.4	4382.2	3602.8	2898.9	2273.7	1757.4
-5°	12721.0	10938.6	9371.7	7908.4	6574.3	5420.4	4458.1	3651.3	2943.7	2319.5	1793.0
-7.5°	12836.2	11028.0	9431.1	7989.1	6677.4	5509.7	4513.0	3685.2	2977.4	2356.4	1821.8
-10°	12880.4	11076.1	9463.1	8013.1	6709.8	5551.9	4545.5	3704.5	3000.4	2384.1	1843.2
-12.5°	12845.3	11053.1	9438.5	7993.6	6699.8	5551.0	4557.8	3719.6	3013.3	2402.4	1857.2
-15°	12730.4	10956.3	9355.4	7930.1	6653.2	5522.5	4549.7	3723.3	3018.6	2408.6	1863.3
-17.5°	12525.5	10783.5	9212.5	7822.3	6569.5	5466.4	4521.2	3709.5	3010.6	2401.7	1858.9
-20°	12236.0	10556.6	9017.4	7670.2	6448.3	5382.7	4472.3	3677.8	2989.1	2384.1	1845.2



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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°	11890.4	10298.8	8830.2	7498.9	6306.7	5271.4	4403.2	3628.0	2953.8	2355.7	1824.2
-25°	11485.7	9996.8	8593.6	7312.2	6158.5	5173.1	4323.7	3559.9	2904.5	2316.2	1795.8
-27.5°	11084.7	9661.1	8303.3	7088.5	6000.7	5053.7	4233.1	3492.9	2844.9	2265.6	1760.1
-30°	10664.5	9295.6	8009.1	6843.6	5811.6	4918.0	4121.1	3410.2	2779.0	2212.4	1717.0
-32.5°	10174.2	8872.6	7689.0	6605.8	5623.0	4754.1	3988.2	3311.0	2699.8	2155.5	1676.0
-35°	9635.8	8447.1	7337.9	6334.9	5412.8	4587.6	3846.0	3195.2	2607.1	2090.2	1631.5
-37.5°	9063.4	7994.3	7008.9	6048.2	5167.4	4397.2	3703.0	3075.0	2501.2	2016.7	1580.9
-40°	8530.4	7528.6	6614.2	5744.4	4923.2	4183.5	3542.0	2948.6	2402.0	1935.2	1524.4
-42.5°	7960.9	7062.1	6211.2	5397.2	4664.4	3986.3	3366.7	2810.1	2303.7	1857.9	1462.0
-45°	7415.3	6576.4	5789.6	5070.1	4389.0	3770.8	3200.3	2663.6	2193.6	1779.6	1398.2
-47.5°	6847.3	6093.0	5380.8	4719.6	4129.3	3547.1	3021.4	2525.6	2072.0	1694.7	1334.3
-50°	6298.0	5613.8	4974.6	4387.4	3838.7	3337.1	2835.2	2373.6	1963.0	1599.7	1264.1
-52.5°	5744.2	5148.0	4580.4	4049.3	3569.0	3114.6	2648.4	2211.6	1844.5	1503.7	1187.9
-55°	5204.5	4699.7	4191.2	3725.4	3291.6	2879.3	2446.8	2065.8	1716.8	1403.4	1107.5
-57.5°	4700.8	4252.6	3819.7	3402.9	3006.5	2624.8	2256.0	1909.8	1590.3	1296.6	1035.8
-60°	4203.7	3832.2	3448.8	3075.7	2713.3	2380.0	2068.0	1749.1	1459.0	1187.5	957.5
-62.5°	3746.8	3411.4	3081.1	2741.6	2434.2	2149.2	1872.9	1590.3	1320.6	1088.5	874.0
-65°	3301.4	3006.6	2708.2	2435.3	2168.8	1916.1	1680.5	1423.8	1194.6	984.7	792.6
-67.5°	2866.5	2621.4	2377.7	2133.6	1911.6	1695.3	1479.4	1269.8	1068.0	876.4	722.6
-70°	2472.8	2255.1	2055.2	1861.0	1665.1	1473.5	1299.8	1118.2	936.6	789.6	650.0
-72.5°	2097.7	1927.7	1759.4	1590.5	1433.6	1277.1	1121.3	968.9	831.9	700.4	574.9
-75°	1745.6	1614.0	1485.3	1353.4	1215.0	1079.0	962.2	845.7	724.8	608.7	511.6
-77.5°	1439.2	1330.9	1223.0	1122.7	1017.7	915.7	817.1	719.4	621.5	534.3	451.5
-80°	1153.9	1075.3	996.8	917.1	832.0	749.9	680.7	611.1	533.9	460.2	389.9
-82.5°	892.8	839.3	787.5	734.5	676.9	619.9	563.5	507.2	444.6	384.5	338.3
-85°	701.9	660.7	619.0	576.7	532.4	488.6	456.3	423.5	384.6	346.1	308.1
-87.5°	568.7	542.2	515.5	488.6	460.7	432.6	404.4	376.1	342.9	310.0	277.3
-90°	10.2	10.6	11.0	11.4	11.4	11.4	11.4	11.4	11.8	12.3	12.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	218.7	181.2	143.6	106.1	68.5	40.0	11.4
87.5°	20.7	20.1	19.2	18.0	16.7	14.5	11.4
85°	28.3	27.0	25.3	23.0	20.2	16.8	11.4
82.5°	35.9	34.0	31.4	27.9	23.8	19.1	11.4
80°	44.4	41.0	37.4	32.9	27.3	21.3	11.4
77.5°	59.1	50.8	43.5	37.8	30.9	23.6	11.4
75°	74.1	65.9	51.1	42.7	34.5	25.8	11.4
72.5°	89.5	81.1	65.2	47.6	38.2	28.1	11.4
70°	106.6	96.6	79.5	53.8	41.8	30.3	11.4
67.5°	132.7	112.4	93.8	65.9	45.5	32.5	11.4
65°	159.5	133.1	108.3	77.9	49.2	34.7	11.4
62.5°	187.0	158.7	122.8	89.8	52.9	36.9	11.4
60°	215.4	184.7	137.5	101.8	56.7	39.0	11.4
57.5°	254.4	211.2	159.8	113.7	65.4	41.1	11.4
55°	295.4	238.0	182.6	125.5	74.0	43.2	11.4
52.5°	337.2	266.7	205.5	137.3	82.5	45.3	11.4
50°	379.7	303.4	228.4	149.0	90.8	47.4	11.4
47.5°	424.4	340.2	251.4	162.0	99.0	49.4	11.4
45°	477.8	377.1	274.3	179.4	107.0	51.3	11.4
42.5°	531.6	414.1	297.1	196.4	114.8	53.2	11.4
40°	585.7	451.1	323.1	213.2	122.4	55.1	11.4
37.5°	639.9	488.1	351.8	229.6	129.8	56.9	11.4
35°	694.2	529.4	380.1	245.5	136.9	58.7	11.4
32.5°	751.2	572.4	407.8	260.8	143.8	60.4	11.4
30°	814.7	614.8	434.9	275.5	150.4	62.0	11.4
27.5°	877.5	656.2	459.6	289.5	156.7	63.6	11.4
25°	939.2	696.6	482.9	302.9	162.8	65.1	11.4
22.5°	999.6	734.0	505.0	315.5	168.5	66.5	11.4
20°	1058.4	765.0	525.7	327.3	173.8	67.9	11.4
17.5°	1104.5	793.7	545.1	338.4	178.8	69.1	11.4
15°	1140.3	819.9	563.1	348.6	183.5	70.3	11.4
12.5°	1172.0	843.7	579.5	357.9	187.7	71.4	11.4
10°	1199.5	865.0	594.3	366.3	191.5	72.3	11.4
7.5°	1222.9	883.7	607.5	373.8	194.9	73.2	11.4
5°	1242.1	899.7	619.0	380.2	197.9	73.9	11.4
2.5°	1257.1	913.1	628.7	385.7	200.4	74.6	11.4
0°	1268.1	923.7	636.5	390.1	202.4	75.1	11.4
-2.5°	1298.6	940.9	646.9	396.0	205.5	76.6	11.4
-5°	1324.7	955.2	655.3	400.8	208.1	77.9	11.4
-7.5°	1345.9	966.4	661.7	404.4	210.2	79.1	11.4
-10°	1361.8	974.3	665.9	406.9	211.8	80.2	11.4
-12.5°	1372.2	978.9	668.0	408.1	212.9	81.2	11.4
-15°	1376.6	980.0	667.7	408.2	213.5	82.0	11.4
-17.5°	1374.8	977.4	665.2	406.9	213.5	82.6	11.4
-20°	1367.2	971.2	660.3	404.5	213.0	83.1	11.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1355.2	961.2	653.0	400.7	212.0	83.5	11.4
-25°	1337.8	951.3	643.2	395.6	210.5	83.7	11.4
-27.5°	1315.2	939.1	631.0	389.3	208.4	83.8	11.4
-30°	1287.3	922.8	616.8	381.6	205.8	83.7	11.4
-32.5°	1254.1	902.4	603.8	372.6	202.6	83.4	11.4
-35°	1223.2	877.9	588.2	362.4	199.0	83.0	11.4
-37.5°	1190.0	851.6	570.1	350.9	194.8	82.5	11.4
-40°	1151.6	826.3	549.3	338.1	190.1	81.8	11.4
-42.5°	1107.8	797.5	530.0	324.9	185.0	80.9	11.4
-45°	1058.8	765.3	512.7	311.8	179.3	79.9	11.4
-47.5°	1004.7	729.6	493.3	297.4	173.2	78.7	11.4
-50°	955.6	690.8	471.9	287.3	166.6	77.4	11.4
-52.5°	904.0	648.7	448.5	277.8	159.5	76.0	11.4
-55°	848.3	614.0	423.3	267.3	152.0	74.4	11.4
-57.5°	788.8	578.9	396.3	255.8	144.1	72.7	11.4
-60°	727.5	541.3	368.0	243.3	135.9	70.8	11.4
-62.5°	677.4	501.4	348.5	229.9	131.6	68.8	11.4
-65°	624.5	459.4	327.5	215.6	127.0	66.7	11.4
-67.5°	569.0	422.1	305.3	200.5	122.1	64.5	11.4
-70°	511.0	390.0	281.9	184.6	117.0	62.1	11.4
-72.5°	464.9	356.4	257.4	174.7	111.6	59.7	11.4
-75°	418.9	321.3	231.8	166.0	106.0	57.1	11.4
-77.5°	371.3	284.9	216.3	156.8	100.2	54.4	11.4
-80°	322.2	259.9	202.6	147.3	94.2	51.7	11.4
-82.5°	295.0	241.0	188.5	137.4	88.0	48.9	11.4
-85°	270.1	221.5	173.9	127.2	81.6	46.0	11.4
-87.5°	244.7	201.5	158.9	116.8	75.1	43.0	11.4
-90°	13.1	13.1	13.1	13.1	13.1	12.3	11.4

(END OF REPORT)