

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: P1305872 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-57-80-4S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

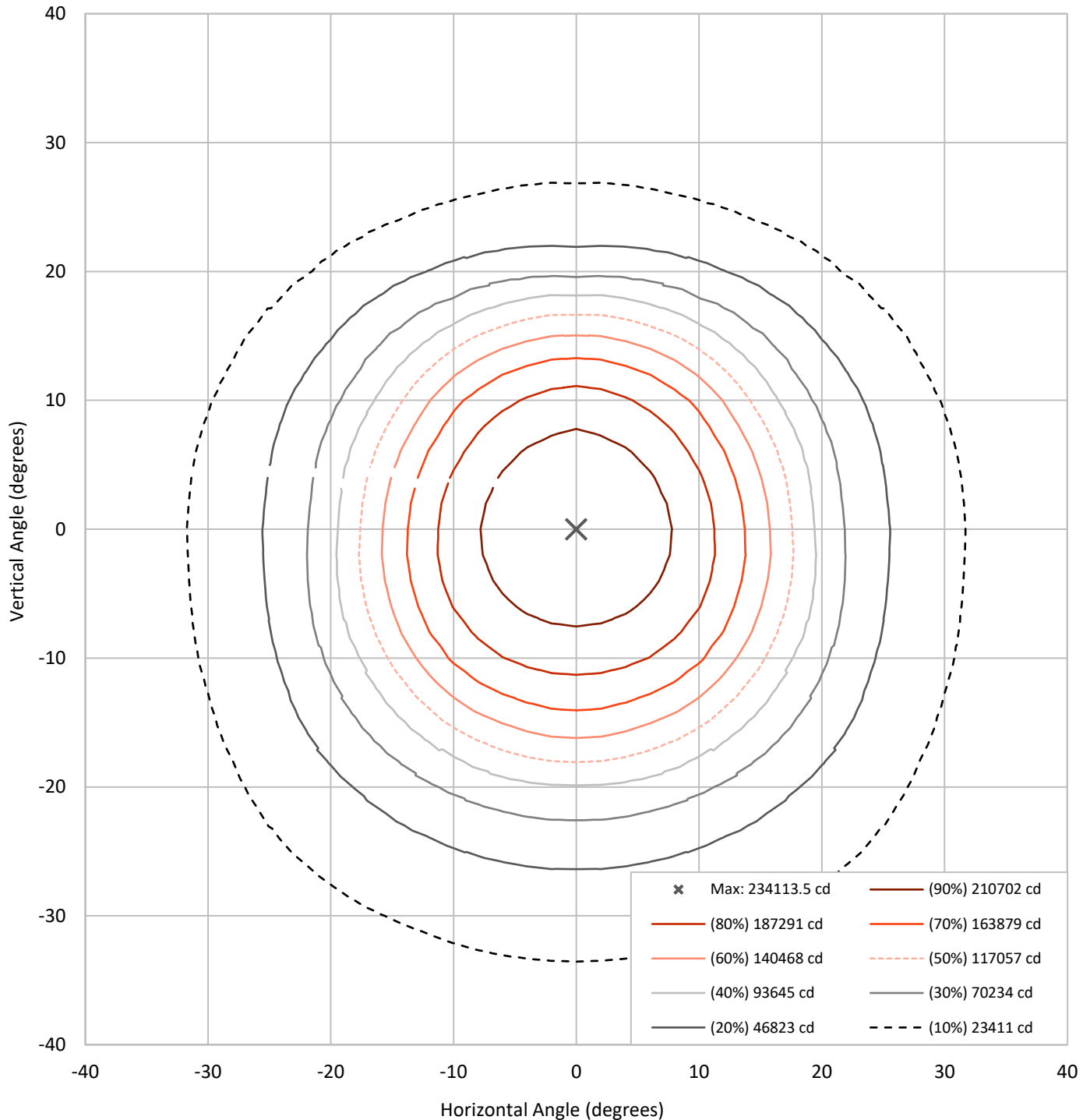
Test Method: LM-79-08  
Report Number: P1305872 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680R-57-80-4S-VHE-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	97115 lumens	Max Intensity:	234113.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	52124.5 lumens	Field Lumens:	84822.1 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%
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





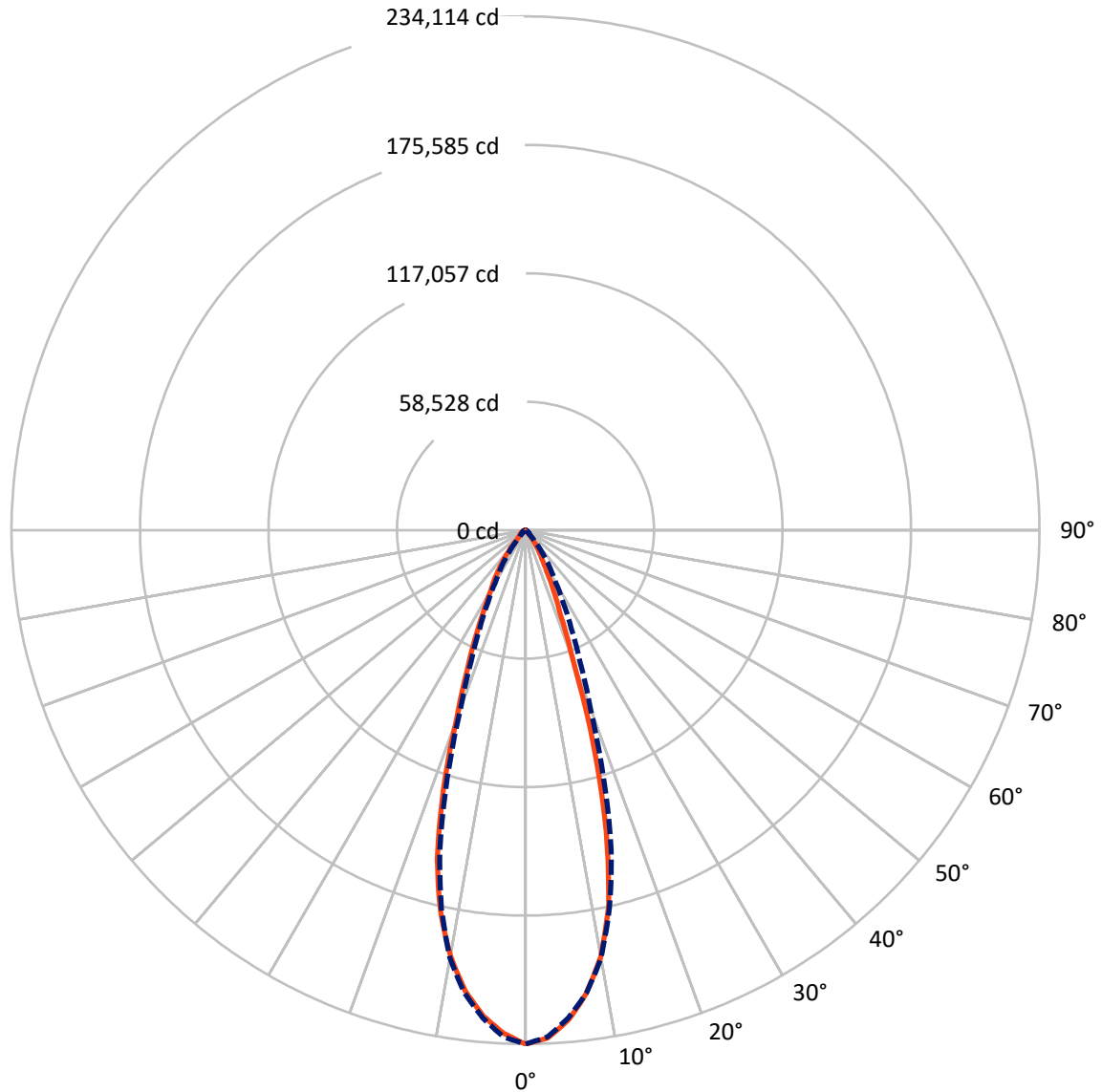
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### Lumen Table

90	0.3	1.1		1.8		2.5		2.9		2.5		1.8		1.1		0.3			
80	0.3	1.1		1.8		2.5		2.9		2.5		1.8		1.1		0.3			
70	0.3	0.2	0.3	0.6	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.8	0.6	0.3	0.2	0.3			
60		0.5	0.8	1.3	1.3	1.0	1.2	1.4	1.4	1.2	1.0	1.3	1.3	0.8	0.5				
50	1.0	1.2	2.7	5.6	10.1	16.1	23.6	30.4	30.4	23.6	16.1	10.1	5.6	2.7	1.2	1.0			
40		2.9	9.2	17.6	29.0	67.1	149.9	242.8	242.8	149.9	67.1	29.0	17.6	9.2	2.9				
30	2.1	5.1	15.4	29.9	93.7	288.3	629.1	954.0	954.0	629.1	288.3	93.7	29.9	15.4	5.1	2.1			
20		6.9	20.2	47.8	244.0	809.0	2161.6	3841.0	3841.0	2161.6	809.0	244.0	47.8	20.2	6.9				
10	3.1	8.5	23.7	66.2	381.8	1327.9	3930.2	6293.4	6293.4	3930.2	1327.9	381.8	66.2	23.7	8.5	3.1			
0		9.5	26.3	74.1	409.2	1394.6	4120.2	6343.2	6343.2	4120.2	1394.6	409.2	74.1	26.3	9.5				
-10	3.6	9.7	27.8	68.2	326.6	1030.2	2593.6	4261.0	4261.0	2593.6	1030.2	326.6	68.2	27.8	9.7	3.6			
-20		9.1	27.7	58.4	179.7	572.2	1123.3	1622.2	1622.2	1123.3	572.2	179.7	58.4	27.7	9.1				
-30	3.4	7.7	25.0	48.9	86.3	212.3	427.7	591.3	591.3	427.7	212.3	86.3	48.9	25.0	7.7	3.4			
-40		6.0	18.7	39.2	61.7	85.6	116.9	149.6	149.6	116.9	85.6	61.7	39.2	18.7	6.0				
-50	2.9	4.5	11.7	25.5	43.9	59.2	71.5	80.2	80.2	71.5	59.2	43.9	25.5	11.7	4.5	2.9			
-60		3.4	6.9	12.9	22.0	31.2	39.7	45.4	45.4	39.7	31.2	22.0	12.9	6.9	3.4				
-70	2.1	12.3		27.7		44.9		55.1		44.9		27.7		12.3		2.1			
-80		12.3		27.7		44.9		55.1		44.9		27.7		12.3					
-90	2.1	12.3		27.7		44.9		55.1		44.9		27.7		12.3		2.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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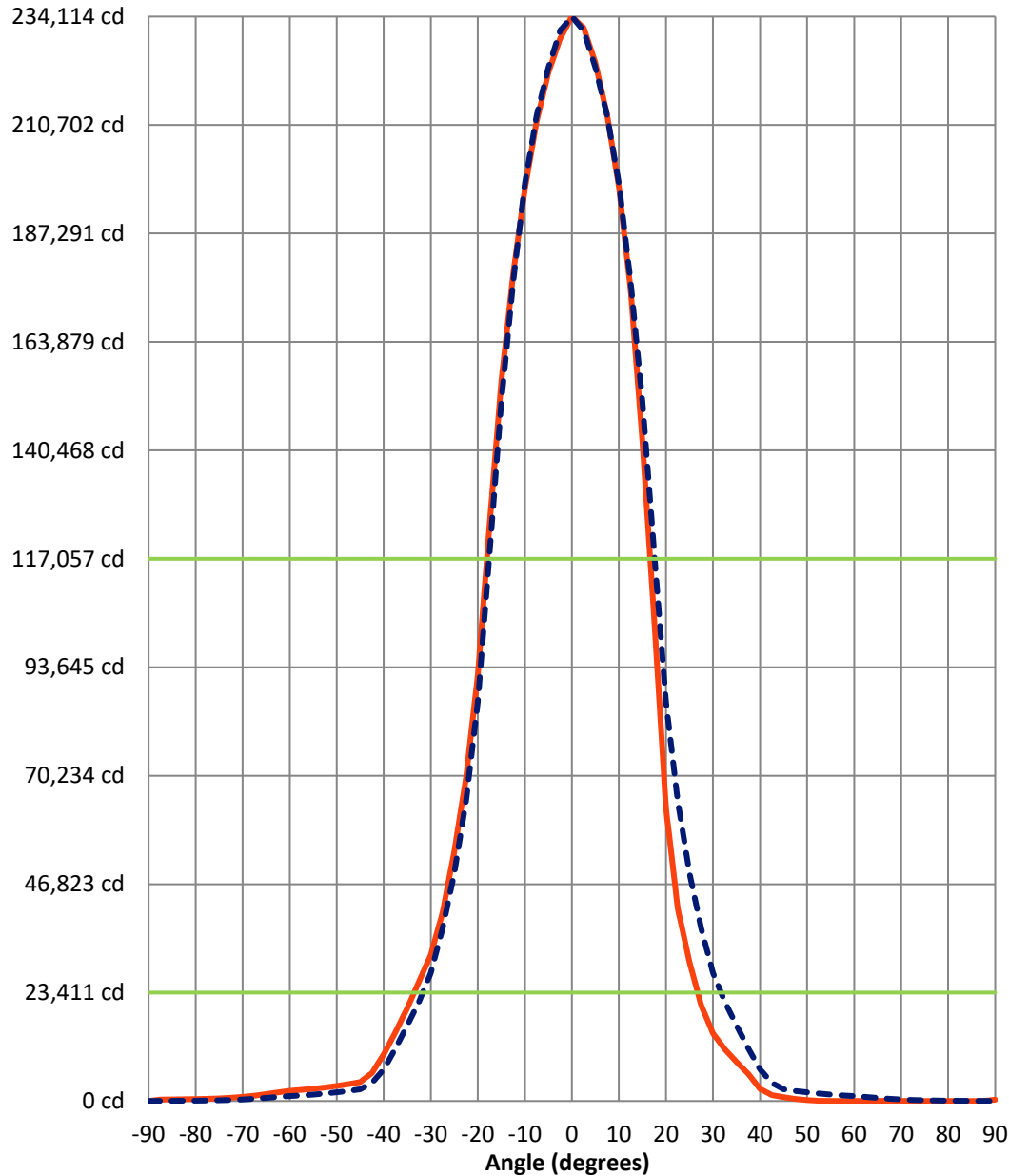
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 35.2°  
V Angle: 34.7°  
Lumens: 52124.5  
Efficiency: 53.7%

**Field:**  
H Angle: 63.4°  
V Angle: 60.3°  
Lumens: 84822.1  
Efficiency: 87.3%

**Spill:**  
Lumens: 12292.8  
Efficiency: 12.7%

— 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°	10.4	19.7	29.0	47.5	66.0	82.8	99.6	112.9	126.2	134.9	143.6
87.5°	10.4	9.5	8.3	8.4	8.5	8.5	8.4	7.9	7.3	7.4	7.4
85°	10.4	9.7	8.5	8.7	8.9	8.9	8.7	8.2	7.7	7.8	7.9
82.5°	10.4	9.9	8.7	9.0	9.3	9.2	9.1	8.6	8.2	8.4	8.4
80°	10.4	10.1	9.0	9.3	9.7	9.6	9.4	9.2	9.0	9.1	9.0
77.5°	10.4	10.3	9.2	9.6	10.1	10.1	10.0	9.9	9.8	9.8	9.4
75°	10.4	10.5	9.4	9.9	10.5	10.6	10.6	10.6	10.6	10.2	9.6
72.5°	10.4	10.7	9.7	10.2	10.9	11.1	11.3	11.3	11.1	10.6	9.8
70°	10.4	11.0	10.0	10.5	11.3	11.6	11.9	12.0	11.7	11.0	10.7
67.5°	10.4	11.2	10.3	10.9	11.8	12.1	12.7	12.6	12.3	12.0	11.7
65°	10.4	11.4	10.6	11.4	12.3	12.9	13.6	13.3	13.7	13.0	13.2
62.5°	10.4	11.6	11.0	11.9	12.8	13.9	14.5	14.8	15.3	14.5	15.7
60°	10.4	11.9	11.3	12.4	13.3	15.0	15.6	16.8	17.1	18.3	18.7
57.5°	10.4	12.1	12.0	12.9	14.5	16.2	17.8	19.0	21.3	22.8	25.3
55°	10.4	12.4	12.7	13.4	15.8	17.4	20.2	21.6	26.4	28.8	33.9
52.5°	10.4	12.6	13.4	13.9	17.1	18.9	22.7	26.7	31.9	38.8	43.3
50°	10.4	12.9	14.1	14.4	18.6	21.5	25.4	32.3	39.0	49.6	56.1
47.5°	10.4	13.1	14.9	15.1	20.0	24.2	28.6	38.2	49.7	61.1	70.6
45°	10.4	13.4	15.8	16.3	21.6	27.1	33.8	44.2	60.9	75.2	86.0
42.5°	10.4	13.6	16.7	17.4	23.1	30.1	39.2	52.8	72.7	90.1	110.9
40°	10.4	13.9	17.6	19.2	25.2	33.2	44.9	63.4	85.5	105.7	139.7
37.5°	10.4	14.1	18.5	21.2	27.6	36.4	50.8	74.1	100.4	126.0	171.0
35°	10.4	14.4	19.5	23.2	30.1	40.7	56.7	85.0	115.9	154.9	208.8
32.5°	10.4	14.6	20.5	25.3	32.6	45.4	63.6	95.9	132.0	184.6	252.0
30°	10.4	14.9	21.5	27.4	35.1	50.1	72.4	107.1	148.5	214.8	293.1
27.5°	10.4	15.1	22.6	29.5	38.4	54.7	81.0	119.3	166.7	245.4	332.2
25°	10.4	15.4	23.6	31.6	41.9	59.1	89.4	131.0	187.7	277.3	369.3
22.5°	10.4	15.6	24.7	33.7	45.2	63.8	97.4	142.0	207.3	302.0	407.2
20°	10.4	15.8	25.8	35.8	48.5	69.1	105.1	152.5	225.6	325.1	437.9
17.5°	10.4	16.1	26.8	37.9	51.6	74.2	113.1	162.3	242.3	346.6	466.6
15°	10.4	16.3	27.9	39.9	54.7	79.2	121.0	172.1	257.6	366.2	493.6
12.5°	10.4	16.5	28.9	41.9	57.7	83.9	128.5	182.0	272.9	384.0	518.7
10°	10.4	16.7	29.9	43.9	60.5	88.5	135.4	191.3	288.1	407.0	546.2
7.5°	10.4	16.9	30.9	45.8	63.2	92.8	141.8	200.0	301.9	429.6	581.5
5°	10.4	17.1	31.9	47.6	65.8	96.9	147.6	207.8	314.1	450.7	614.8
2.5°	10.4	17.2	32.8	49.3	68.3	100.7	152.9	214.9	324.7	469.7	645.5
0°	10.4	17.4	33.6	51.0	70.6	104.2	157.5	221.2	333.6	486.4	672.9
-2.5°	10.4	18.0	34.9	53.2	73.9	108.4	162.9	228.8	345.3	500.1	686.7
-5°	10.4	18.6	36.1	55.2	77.0	112.3	167.7	235.4	355.0	511.0	696.7
-7.5°	10.4	19.2	37.3	57.1	80.0	115.8	171.8	241.1	362.6	519.0	703.0
-10°	10.4	19.8	38.3	58.9	82.7	118.9	175.2	245.6	367.9	524.0	705.8
-12.5°	10.4	20.3	39.3	60.6	85.3	121.7	177.9	249.0	370.7	525.9	708.9
-15°	10.4	20.9	40.3	62.2	87.6	124.1	179.8	251.3	370.2	523.6	708.8
-17.5°	10.4	21.4	41.1	63.5	89.6	126.2	181.0	252.7	366.6	517.8	702.8
-20°	10.4	21.8	41.9	64.8	91.5	127.8	181.9	253.4	360.8	508.5	690.6



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 CATALOG NUMBER: EPH-08-680R-57-80-4S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.4	22.2	42.6	65.9	93.0	129.0	182.7	253.1	352.7	495.5	672.7
-25°	10.4	22.6	43.2	66.8	94.3	130.6	182.8	251.6	342.5	478.8	653.9
-27.5°	10.4	23.0	43.7	67.6	95.3	131.9	182.0	249.0	330.1	464.5	637.8
-30°	10.4	23.3	44.2	68.2	96.1	132.8	180.4	245.3	322.7	451.3	616.8
-32.5°	10.4	23.6	44.5	68.6	97.4	133.3	178.0	242.1	318.4	434.6	590.4
-35°	10.4	23.9	44.8	68.9	98.4	133.3	177.0	238.4	312.3	414.3	558.6
-37.5°	10.4	24.1	44.9	68.9	99.1	133.3	176.5	233.6	304.4	390.6	528.3
-40°	10.4	24.3	45.0	68.8	99.5	133.9	175.4	227.5	294.8	375.4	498.6
-42.5°	10.4	24.4	45.0	68.8	99.9	134.1	173.6	220.1	285.4	362.8	465.5
-45°	10.4	24.5	44.9	68.9	100.1	133.9	171.0	213.8	275.4	347.9	431.8
-47.5°	10.4	24.6	44.7	68.9	100.0	133.5	167.8	210.0	263.8	330.7	412.1
-50°	10.4	24.6	44.4	68.9	99.6	132.6	166.1	205.6	250.6	315.4	389.7
-52.5°	10.4	24.5	44.1	68.8	98.9	131.4	164.3	200.5	241.9	298.1	363.9
-55°	10.4	24.5	43.6	68.5	97.9	129.8	162.1	195.1	234.6	279.1	339.2
-57.5°	10.4	24.3	43.1	68.0	96.7	127.8	159.5	192.0	226.5	266.9	312.7
-60°	10.4	24.2	42.4	67.3	95.1	125.5	156.4	188.0	218.2	256.1	289.1
-62.5°	10.4	24.0	41.8	66.5	93.8	122.8	153.0	183.3	212.4	243.7	274.1
-65°	10.4	23.8	41.1	65.5	92.3	119.8	149.0	178.0	206.0	233.7	258.5
-67.5°	10.4	23.5	40.2	64.3	90.5	116.7	144.7	172.2	198.9	224.2	246.2
-70°	10.4	23.2	39.3	62.9	88.5	113.6	139.9	166.0	191.5	214.3	235.0
-72.5°	10.4	22.9	38.3	61.5	86.2	110.1	135.1	159.3	183.6	204.3	223.4
-75°	10.4	22.5	37.1	59.9	83.7	106.3	130.0	152.5	175.2	194.0	211.5
-77.5°	10.4	22.1	35.9	58.1	81.2	102.3	124.5	145.3	166.5	183.3	199.2
-80°	10.4	21.7	34.7	56.2	78.5	98.5	118.6	137.9	157.4	172.4	186.8
-82.5°	10.4	21.2	33.3	54.2	75.6	94.9	114.0	130.9	148.0	161.3	174.4
-85°	10.4	20.7	31.9	52.1	72.6	91.0	109.4	125.1	140.8	151.9	162.9
-87.5°	10.4	20.2	30.5	49.9	69.4	87.0	104.6	119.1	133.6	143.5	153.3
-90°	10.4	9.3	8.1	8.1	8.1	8.1	8.1	7.5	6.9	6.9	6.9



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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°	150.0	156.4	162.2	167.9	174.9	181.8	188.8	195.7	203.3	210.8	218.3
87.5°	6.9	6.4	6.4	6.4	5.9	5.4	5.0	4.6	4.6	4.6	4.5
85°	7.4	6.9	6.9	6.9	6.5	6.1	5.6	5.1	5.2	5.2	5.0
82.5°	8.0	7.5	7.3	6.9	6.8	6.8	6.4	6.0	5.9	5.8	5.5
80°	8.6	8.2	7.7	7.3	7.2	7.0	6.8	6.7	6.4	6.0	5.9
77.5°	8.8	8.2	8.0	7.9	7.7	7.1	6.9	6.9	6.8	6.7	6.5
75°	8.9	8.3	8.3	8.2	7.7	7.1	6.9	7.2	7.2	7.0	6.8
72.5°	9.3	9.0	8.7	8.4	8.1	7.8	7.7	8.0	8.7	9.2	9.8
70°	10.4	9.9	9.6	9.3	8.9	8.9	9.8	11.8	13.7	14.4	16.3
67.5°	11.4	11.1	10.8	10.5	10.6	11.5	12.8	17.1	20.8	23.4	26.2
65°	12.6	12.4	12.5	12.6	12.7	16.2	20.1	24.3	30.8	34.5	34.6
62.5°	14.1	15.9	15.2	16.2	19.5	23.2	29.1	36.7	44.9	48.2	46.1
60°	20.0	20.9	21.4	23.9	27.2	31.3	39.4	48.6	58.1	63.9	55.3
57.5°	27.6	28.8	31.0	32.5	36.1	38.5	48.0	59.2	65.4	69.1	59.4
55°	37.0	38.8	42.1	42.7	45.8	46.8	54.8	62.5	67.7	68.8	58.4
52.5°	49.1	51.1	55.7	56.5	56.6	57.6	58.7	67.2	71.4	70.2	60.6
50°	62.0	69.2	71.7	74.3	70.9	72.3	68.4	78.3	86.6	84.4	87.3
47.5°	81.1	90.1	93.7	98.5	96.0	103.9	101.0	119.8	126.3	163.8	172.1
45°	104.1	120.0	124.9	135.9	147.1	156.4	186.5	188.9	267.9	300.9	363.0
42.5°	131.8	156.6	176.8	180.9	234.8	263.3	305.3	374.2	443.5	507.0	549.2
40°	172.8	198.5	241.8	292.3	349.4	411.0	466.9	547.0	614.1	664.0	693.8
37.5°	219.5	268.5	327.5	418.5	495.7	558.5	622.0	691.2	754.4	798.2	855.4
35°	270.7	342.1	451.5	546.3	629.1	688.2	750.3	823.7	883.3	954.0	1024.5
32.5°	332.9	417.3	554.5	656.9	724.2	794.1	865.7	942.9	1028.3	1115.4	1205.7
30°	394.4	502.0	636.0	742.4	807.5	889.1	976.1	1066.5	1178.6	1288.4	1410.4
27.5°	442.8	574.7	702.2	812.1	887.9	984.6	1090.7	1208.8	1341.9	1476.3	1638.3
25°	486.1	628.7	768.8	885.3	981.7	1088.8	1213.5	1355.3	1513.7	1702.6	2212.1
22.5°	528.2	681.3	842.4	963.8	1072.2	1193.1	1343.5	1509.0	1695.5	1946.4	2847.7
20°	571.5	740.9	912.9	1029.1	1154.7	1290.3	1466.5	1658.5	1889.7	2482.5	3811.9
17.5°	615.9	802.5	972.9	1086.3	1218.7	1384.0	1588.9	1805.5	2087.3	2984.5	5019.4
15°	659.3	860.5	1021.0	1137.0	1282.9	1475.3	1704.2	1969.5	2437.1	3685.0	6229.3
12.5°	700.9	912.5	1056.7	1180.5	1346.4	1561.4	1811.1	2108.9	2848.1	4630.4	7549.0
10°	739.9	958.7	1087.8	1222.1	1408.3	1642.3	1906.9	2231.6	3207.0	5385.9	8593.8
7.5°	782.1	998.2	1115.9	1261.6	1465.4	1716.2	1985.8	2326.0	3474.4	5965.2	9369.8
5°	820.5	1030.4	1148.4	1307.9	1522.1	1783.0	2053.4	2405.1	3656.9	6332.4	9908.4
2.5°	853.9	1056.0	1178.5	1351.8	1575.5	1841.5	2114.6	2484.2	3819.7	6642.8	10589.9
0°	882.5	1076.0	1205.7	1391.0	1621.5	1890.2	2164.6	2548.0	3928.5	6851.8	11380.3
-2.5°	900.0	1105.8	1250.9	1432.1	1659.5	1924.7	2209.9	2616.1	4038.8	7303.7	11681.3
-5°	912.5	1129.9	1291.4	1468.1	1690.2	1949.9	2243.0	2664.3	4086.3	7427.9	11593.6
-7.5°	919.9	1147.4	1326.2	1499.6	1717.7	1979.2	2295.3	2728.9	4107.8	7121.6	11096.8
-10°	923.7	1162.1	1348.9	1525.5	1743.2	2006.1	2336.0	2770.6	4019.5	6708.3	10525.2
-12.5°	933.6	1174.7	1367.0	1544.8	1760.2	2025.5	2367.7	2801.9	3818.5	6140.4	9739.6
-15°	936.2	1181.1	1382.1	1558.0	1777.8	2053.9	2391.7	2807.3	3528.3	5406.5	8736.5
-17.5°	931.0	1181.4	1392.7	1568.4	1786.7	2064.8	2399.3	2791.9	3311.4	4873.2	7727.2
-20°	917.4	1167.6	1395.9	1569.3	1783.3	2069.2	2403.1	2785.3	3258.5	4328.0	6503.4



REPORT NUMBER: P1305872 (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°	895.4	1145.7	1384.6	1567.7	1795.0	2071.1	2392.0	2744.1	3143.8	3670.4	5285.0
-25°	871.8	1114.8	1355.2	1573.2	1797.1	2061.4	2345.3	2668.5	3037.6	3449.4	4415.7
-27.5°	846.3	1078.6	1325.1	1566.2	1786.2	2025.3	2288.9	2591.8	2895.8	3228.4	3640.0
-30°	815.5	1039.3	1284.8	1540.9	1760.2	1983.7	2226.7	2471.6	2744.1	3043.5	3392.1
-32.5°	778.5	993.1	1234.8	1487.8	1726.0	1935.3	2138.6	2358.5	2601.6	2865.6	3153.9
-35°	738.3	946.2	1176.1	1423.2	1684.1	1876.3	2053.0	2243.1	2458.5	2699.7	2967.5
-37.5°	697.6	892.1	1107.3	1348.2	1601.9	1803.2	1962.3	2139.8	2329.4	2535.9	2785.0
-40°	651.4	829.8	1035.6	1263.2	1488.2	1705.7	1880.6	2041.5	2208.1	2397.1	2600.5
-42.5°	601.6	769.2	957.0	1163.3	1367.6	1575.0	1794.0	1952.1	2101.2	2261.7	2440.0
-45°	560.0	702.2	872.0	1055.5	1239.8	1440.6	1651.9	1863.2	1999.4	2138.3	2290.2
-47.5°	511.8	634.4	789.6	942.5	1112.5	1301.8	1502.0	1698.0	1891.3	2026.4	2154.3
-50°	465.9	576.8	695.5	836.1	987.5	1162.4	1345.8	1525.0	1706.2	1889.2	2035.0
-52.5°	434.3	515.2	618.2	729.3	869.3	1023.8	1184.6	1344.3	1514.5	1689.1	1857.2
-55°	400.1	469.5	542.8	637.3	752.5	890.2	1023.9	1167.0	1313.2	1474.2	1638.0
-57.5°	367.6	425.1	482.7	554.4	651.4	756.5	873.8	991.3	1123.9	1258.7	1398.9
-60°	335.5	382.6	431.5	488.7	555.5	644.2	729.1	831.5	941.5	1052.5	1177.1
-62.5°	304.7	343.1	383.8	432.1	488.0	540.4	610.5	689.8	769.2	867.5	968.5
-65°	286.5	307.9	339.9	381.8	425.3	471.7	517.2	565.8	634.9	708.2	779.9
-67.5°	267.3	287.0	306.9	332.8	371.0	407.1	443.7	486.5	530.5	578.0	630.2
-70°	252.9	266.6	284.3	304.7	324.6	346.5	379.1	413.1	446.9	483.9	524.9
-72.5°	239.3	252.0	265.3	279.7	297.1	313.8	330.9	349.3	376.0	408.5	438.9
-75°	225.5	237.3	249.4	262.0	275.1	287.7	301.2	317.7	336.1	356.0	374.6
-77.5°	211.5	222.5	233.5	244.4	256.2	268.5	280.1	291.9	306.3	321.7	336.3
-80°	197.6	207.5	217.7	227.8	238.2	248.8	259.1	269.0	281.4	294.7	307.7
-82.5°	184.2	193.4	202.2	211.0	220.1	228.9	238.1	247.5	258.8	270.4	281.5
-85°	171.1	179.2	186.7	194.1	202.4	210.7	218.6	226.5	236.8	247.2	256.8
-87.5°	160.6	167.9	174.2	180.5	187.8	195.2	202.0	208.8	217.7	226.6	234.8
-90°	6.4	5.8	5.8	5.8	5.2	4.6	4.6	4.6	4.6	4.6	4.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	225.8	231.1	236.3	239.8	243.2	248.4	253.6	261.2	268.7	275.1	281.4
87.5°	4.4	4.0	3.5	3.4	3.4	3.4	3.4	2.9	2.3	2.3	2.3
85°	4.6	4.4	4.3	4.4	4.4	4.0	3.5	3.4	3.4	3.4	3.5
82.5°	5.2	4.9	4.6	4.6	4.6	4.5	4.4	4.0	3.5	3.5	3.5
80°	5.8	5.5	5.2	5.0	4.7	4.6	4.6	4.1	3.5	3.5	3.5
77.5°	6.0	5.9	5.8	5.3	4.7	4.6	4.6	4.1	3.6	3.5	3.5
75°	6.8	6.7	6.7	6.5	6.3	6.5	6.8	6.7	6.3	6.0	5.7
72.5°	10.4	10.5	10.3	10.9	11.5	12.0	12.3	12.6	13.1	14.0	15.0
70°	18.4	19.9	19.9	19.9	19.9	19.3	18.6	18.4	18.5	18.9	19.2
67.5°	27.8	29.0	29.5	29.8	27.1	25.4	24.7	24.8	25.9	28.0	31.0
65°	35.5	33.3	31.4	29.4	29.6	29.5	28.1	27.5	28.4	29.7	31.1
62.5°	42.2	33.5	28.0	25.3	25.7	26.6	24.0	22.1	21.5	21.1	21.2
60°	45.4	31.6	22.2	18.9	16.9	15.9	14.1	12.1	11.5	11.3	11.6
57.5°	45.9	30.1	17.7	14.0	10.7	8.2	6.9	6.1	6.1	5.8	5.7
55°	44.4	30.4	17.2	15.7	14.4	13.2	11.5	11.2	10.6	10.5	11.1
52.5°	46.0	42.6	34.9	33.8	41.3	41.5	35.7	44.0	49.5	53.9	55.9
50°	90.9	87.3	110.3	110.3	133.6	153.5	147.8	159.4	179.5	197.0	207.8
47.5°	212.4	229.1	263.6	294.5	329.5	373.6	393.2	407.1	424.7	448.3	464.1
45°	395.5	436.9	481.7	531.9	590.3	642.1	672.2	701.2	720.4	741.4	766.2
42.5°	587.3	636.7	703.2	763.0	826.3	886.8	934.4	976.4	1058.2	1174.9	1267.8
40°	751.5	807.6	884.8	964.7	1039.3	1115.7	1326.0	1505.3	1728.6	2062.1	2357.5
37.5°	914.6	979.5	1065.5	1163.5	1388.4	1616.2	2075.5	2571.7	3001.6	3483.7	3970.5
35°	1092.2	1177.5	1292.6	1622.0	2038.4	2645.6	3304.3	4041.2	4666.7	5339.9	6326.1
32.5°	1301.9	1450.9	1823.2	2421.9	3168.6	4031.1	4848.2	5774.5	6555.8	7792.6	9298.8
30°	1572.4	2039.4	2754.1	3580.8	4588.5	5680.1	6704.5	8204.9	9957.8	11509.6	12791.0
27.5°	2224.6	3126.8	4124.6	5172.3	6434.1	7756.9	9904.9	11846.8	13732.8	15408.3	17354.9
25°	3198.6	4645.9	6351.1	7755.7	9470.3	11861.0	14289.9	16428.6	19295.0	21816.1	24644.2
22.5°	4576.1	6637.0	8833.4	10884.1	13517.2	16511.5	19779.4	23720.1	27702.0	32125.1	36060.0
20°	5920.7	8528.0	11309.6	14261.8	17634.0	21377.7	26719.5	33114.8	39250.8	46219.3	52095.4
17.5°	7711.2	10863.2	14152.8	17905.4	22241.1	28000.7	35885.2	44629.9	54118.4	64524.1	74146.8
15°	9531.9	12927.6	16750.1	21553.0	27685.6	35513.4	45572.1	57476.4	71352.6	86649.5	105246.6
12.5°	11024.1	14737.3	19207.0	25259.7	33280.5	43749.0	55935.9	70265.9	89289.6	112361.6	133967.9
10°	12299.0	16751.5	22399.5	29562.8	38997.2	50815.2	64659.6	82400.9	108026.9	134754.9	158465.8
7.5°	13612.3	18879.5	24861.2	32627.8	43354.8	56769.3	73817.2	96985.0	125180.3	152594.4	174338.4
5°	14850.9	20330.7	26414.4	34712.3	46312.6	60719.7	80062.5	108281.0	138963.6	165813.9	186242.2
2.5°	15821.2	21060.6	27232.4	36264.7	47911.6	62866.7	83977.5	115266.1	147452.2	173914.4	194862.1
0°	16324.6	21456.5	27686.3	37235.5	49237.7	64837.3	86221.9	118348.7	150905.2	176674.7	198025.8
-2.5°	16213.2	21265.4	27405.3	36486.3	48934.6	65193.7	88088.2	119955.2	151499.9	177616.2	197738.3
-5°	15978.9	20964.4	27019.5	35565.6	47849.4	64297.5	86061.8	115359.3	145824.5	172613.9	192175.9
-7.5°	15542.3	20460.5	26250.1	34218.9	46050.6	61626.4	81266.6	106725.0	135951.2	162792.2	181729.8
-10°	14900.0	19681.9	25146.0	32393.4	43019.3	57325.4	74022.9	93904.2	121244.1	146339.0	167381.1
-12.5°	13987.1	18580.5	23614.1	29841.9	39358.0	51965.5	66360.4	82879.3	102419.4	126621.6	146345.4
-15°	12825.3	17145.4	21822.7	27698.9	35655.8	45985.8	58122.5	70937.3	85914.2	102620.6	121846.0
-17.5°	11399.6	15457.7	19813.3	24879.2	31314.3	39981.2	49581.9	59581.1	70391.7	82685.9	93980.9
-20°	9699.6	13411.4	17516.1	22228.1	27742.0	34002.3	40981.3	49064.9	57444.5	66219.1	73982.7



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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°	7973.3	11359.4	15270.8	19390.9	24183.4	28961.9	33649.4	39659.8	46130.9	52483.4	58262.1
-25°	6238.6	9227.9	12864.7	16729.1	20575.7	24478.9	28284.8	32017.0	36673.6	40762.5	45003.8
-27.5°	4955.2	7191.4	10245.1	13617.5	16969.4	20226.3	23516.9	26634.4	29571.1	32040.4	34899.9
-30°	3897.0	5406.4	7765.5	10419.3	13352.1	16221.7	19057.3	21690.8	24003.3	26036.5	28022.2
-32.5°	3523.4	4139.7	5541.6	7558.3	9872.0	12389.6	14759.7	17021.8	18928.3	20817.8	22597.0
-35°	3259.3	3598.7	4057.0	5316.7	6823.5	8827.0	10684.9	12562.2	14163.3	16050.4	17509.5
-37.5°	3042.8	3304.2	3593.9	3891.1	4807.4	5810.5	7148.2	8555.4	9792.3	11375.3	12663.5
-40°	2833.3	3064.7	3291.1	3517.0	3760.7	3984.6	4780.8	5506.4	6345.5	7428.4	8354.9
-42.5°	2630.7	2834.4	3030.6	3214.1	3384.4	3531.4	3691.6	3845.2	4298.3	4850.2	5274.1
-45°	2448.8	2622.1	2786.2	2941.5	3071.2	3188.8	3312.2	3440.8	3609.3	3762.4	3888.8
-47.5°	2294.2	2431.2	2565.7	2692.2	2791.8	2892.2	2990.4	3101.4	3232.6	3361.1	3468.6
-50°	2154.3	2272.8	2374.9	2464.6	2547.4	2632.4	2710.6	2809.1	2914.8	3021.0	3110.0
-52.5°	2020.4	2125.8	2211.1	2279.3	2342.5	2411.7	2479.0	2557.7	2643.4	2732.8	2803.5
-55°	1795.2	1929.2	2053.2	2117.2	2166.7	2223.8	2280.9	2344.5	2416.9	2492.0	2548.1
-57.5°	1546.5	1678.7	1795.4	1878.5	1960.6	2044.4	2107.2	2157.1	2222.5	2286.6	2335.0
-60°	1296.6	1407.5	1510.6	1594.6	1680.2	1764.1	1834.7	1899.7	1980.6	2054.3	2114.1
-62.5°	1064.1	1161.0	1240.6	1308.6	1381.5	1454.5	1521.7	1585.8	1659.4	1725.4	1781.5
-65°	852.7	934.0	992.9	1046.3	1104.3	1164.7	1218.0	1271.1	1330.2	1383.1	1429.1
-67.5°	689.4	743.4	780.1	814.2	860.2	907.2	948.9	991.2	1036.3	1076.3	1111.2
-70°	564.4	598.1	620.7	646.8	679.6	709.7	737.1	767.9	801.2	831.8	859.6
-72.5°	467.9	491.0	508.0	528.8	549.6	568.7	586.0	608.2	632.4	656.1	678.6
-75°	391.9	406.9	423.1	438.1	452.4	466.3	479.1	496.9	515.5	533.3	550.4
-77.5°	351.7	362.8	371.9	380.2	388.0	397.0	405.8	420.9	437.2	450.9	463.9
-80°	320.5	329.2	336.7	343.1	349.0	356.2	363.6	375.9	388.7	400.3	411.5
-82.5°	292.5	299.9	306.8	312.7	318.3	324.6	330.8	341.6	352.7	362.5	372.2
-85°	266.3	272.8	278.9	284.2	289.3	295.1	300.8	310.2	319.7	328.4	337.1
-87.5°	242.8	248.6	254.3	258.2	262.1	267.7	273.2	281.6	289.9	297.7	305.4
-90°	3.5	3.5	3.5	2.9	2.3	2.3	2.3	2.3	2.3	1.8	1.2



REPORT NUMBER: P1305872 (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°
90°	284.9	288.4	289.0	289.5	289.0	288.4	284.9	281.4	275.1	268.7	261.2
87.5°	1.7	1.2	1.7	2.3	1.7	1.2	1.7	2.3	2.3	2.3	2.9
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.1
77.5°	3.0	2.4	2.9	3.5	2.9	2.4	3.0	3.5	3.5	3.6	4.1
75°	5.1	4.6	4.1	3.5	4.1	4.6	5.1	5.7	6.0	6.3	6.7
72.5°	15.5	15.9	16.7	17.4	16.7	15.9	15.5	15.0	14.0	13.1	12.6
70°	18.6	17.5	17.4	17.4	17.4	17.5	18.6	19.2	18.9	18.5	18.4
67.5°	33.2	35.1	35.7	35.9	35.7	35.1	33.2	31.0	28.0	25.9	24.8
65°	32.3	33.5	33.6	33.6	33.6	33.5	32.3	31.1	29.7	28.4	27.5
62.5°	21.6	22.2	22.6	23.2	22.6	22.2	21.6	21.2	21.1	21.5	22.1
60°	12.1	12.8	13.3	13.9	13.3	12.8	12.1	11.6	11.3	11.5	12.1
57.5°	5.6	6.0	6.3	6.9	6.3	6.0	5.6	5.7	5.8	6.1	6.1
55°	11.6	12.3	12.6	12.7	12.6	12.3	11.6	11.1	10.5	10.6	11.2
52.5°	54.9	52.3	50.2	48.6	50.2	52.3	54.9	55.9	53.9	49.5	44.0
50°	212.2	207.1	201.2	195.7	201.2	207.1	212.2	207.8	197.0	179.5	159.4
47.5°	473.5	469.3	460.6	449.4	460.6	469.3	473.5	464.1	448.3	424.7	407.1
45°	800.3	823.5	833.8	828.1	833.8	823.5	800.3	766.2	741.4	720.4	701.2
42.5°	1299.4	1319.8	1321.7	1291.4	1321.7	1319.8	1299.4	1267.8	1174.9	1058.2	976.4
40°	2571.3	2749.5	2810.7	2626.8	2810.7	2749.5	2571.3	2357.5	2062.1	1728.6	1505.3
37.5°	4557.3	5257.4	5841.4	5863.9	5841.4	5257.4	4557.3	3970.5	3483.7	3001.6	2571.7
35°	7385.9	8106.2	8454.5	8439.7	8454.5	8106.2	7385.9	6326.1	5339.9	4666.7	4041.2
32.5°	10381.1	10926.7	11275.5	11191.5	11275.5	10926.7	10381.1	9298.8	7792.6	6555.8	5774.5
30°	13706.2	14212.5	14619.0	14612.8	14619.0	14212.5	13706.2	12791.0	11509.6	9957.8	8204.9
27.5°	18939.4	19982.7	20811.8	20671.2	20811.8	19982.7	18939.4	17354.9	15408.3	13732.8	11846.8
25°	27029.8	28938.1	30287.2	30009.6	30287.2	28938.1	27029.8	24644.2	21816.1	19295.0	16428.6
22.5°	38981.4	41429.4	42453.0	41641.2	42453.0	41429.4	38981.4	36060.0	32125.1	27702.0	23720.1
20°	57693.3	62232.0	65053.7	63371.0	65053.7	62232.0	57693.3	52095.4	46219.3	39250.8	33114.8
17.5°	86601.2	96447.4	104227.2	104012.8	104227.2	96447.4	86601.2	74146.8	64524.1	54118.4	44629.9
15°	121438.0	132645.0	141274.3	142272.1	141274.3	132645.0	121438.0	105246.6	86649.5	71352.6	57476.4
12.5°	152630.8	164028.3	172472.8	174902.7	172472.8	164028.3	152630.8	133967.9	112361.6	89289.6	70265.9
10°	174861.7	186235.6	194409.3	197291.5	194409.3	186235.6	174861.7	158465.8	134754.9	108026.9	82400.9
7.5°	191170.1	203509.8	209636.7	212768.3	209636.7	203509.8	191170.1	174338.4	152594.4	125180.3	96985.0
5°	202905.0	214373.3	220300.5	224095.3	220300.5	214373.3	202905.0	186242.2	165813.9	138963.6	108281.0
2.5°	210302.5	221129.6	228247.5	231651.3	228247.5	221129.6	210302.5	194862.1	173914.4	147452.2	115266.1
0°	212690.1	223084.2	231062.4	234113.5	231062.4	223084.2	212690.1	198025.8	176674.7	150905.2	118348.7
-2.5°	211579.6	221761.5	228124.5	229358.0	228124.5	221761.5	211579.6	197738.3	177616.2	151499.9	119955.2
-5°	205800.2	215184.5	221060.1	222025.6	221060.1	215184.5	205800.2	192175.9	172613.9	145824.5	115359.3
-7.5°	195836.6	205197.8	210054.4	211484.4	210054.4	205197.8	195836.6	181729.8	162792.2	135951.2	106725.0
-10°	181390.3	190434.4	195624.9	196856.0	195624.9	190434.4	181390.3	167381.1	146339.0	121244.1	93904.2
-12.5°	161678.1	171326.3	177135.6	178415.5	177135.6	171326.3	161678.1	146345.4	126621.6	102419.4	82879.3
-15°	136117.2	146041.5	153457.7	155251.8	153457.7	146041.5	136117.2	121846.0	102620.6	85914.2	70937.3
-17.5°	106653.0	116584.3	123248.4	124520.7	123248.4	116584.3	106653.0	93980.9	82685.9	70391.7	59581.1
-20°	81276.7	87663.8	91425.0	92080.0	91425.0	87663.8	81276.7	73982.7	66219.1	57444.5	49064.9



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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°	62984.5	67277.4	69567.2	69890.4	69567.2	67277.4	62984.5	58262.1	52483.4	46130.9	39659.8
-25°	48807.0	51926.1	53631.7	53915.6	53631.7	51926.1	48807.0	45003.8	40762.5	36673.6	32017.0
-27.5°	37475.4	39413.0	40999.9	40669.5	40999.9	39413.0	37475.4	34899.9	32040.4	29571.1	26634.4
-30°	29653.7	30896.5	31833.8	31588.2	31833.8	30896.5	29653.7	28022.2	26036.5	24003.3	21690.8
-32.5°	24000.7	24974.4	25633.3	25808.9	25633.3	24974.4	24000.7	22597.0	20817.8	18928.3	17021.8
-35°	18654.5	19450.1	19906.7	20084.0	19906.7	19450.1	18654.5	17509.5	16050.4	14163.3	12562.2
-37.5°	13619.7	14317.5	14753.2	14904.6	14753.2	14317.5	13619.7	12663.5	11375.3	9792.3	8555.4
-40°	9064.3	9602.0	9958.9	10097.0	9958.9	9602.0	9064.3	8354.9	7428.4	6345.5	5506.4
-42.5°	5604.4	5856.1	6015.5	6065.4	6015.5	5856.1	5604.4	5274.1	4850.2	4298.3	3845.2
-45°	3986.5	4056.0	4095.8	4103.4	4095.8	4056.0	3986.5	3888.8	3762.4	3609.3	3440.8
-47.5°	3552.6	3607.4	3635.5	3636.7	3635.5	3607.4	3552.6	3468.6	3361.1	3232.6	3101.4
-50°	3183.3	3234.1	3259.7	3261.4	3259.7	3234.1	3183.3	3110.0	3021.0	2914.8	2809.1
-52.5°	2861.3	2901.8	2920.5	2920.9	2920.5	2901.8	2861.3	2803.5	2732.8	2643.4	2557.7
-55°	2594.1	2625.5	2637.1	2634.9	2637.1	2625.5	2594.1	2548.1	2492.0	2416.9	2344.5
-57.5°	2375.3	2406.1	2415.8	2412.5	2415.8	2406.1	2375.3	2335.0	2286.6	2222.5	2157.1
-60°	2160.8	2193.7	2206.2	2205.2	2206.2	2193.7	2160.8	2114.1	2054.3	1980.6	1899.7
-62.5°	1821.6	1846.9	1860.5	1864.7	1860.5	1846.9	1821.6	1781.5	1725.4	1659.4	1585.8
-65°	1460.7	1480.9	1491.8	1495.2	1491.8	1480.9	1460.7	1429.1	1383.1	1330.2	1271.1
-67.5°	1133.8	1148.3	1155.3	1157.0	1155.3	1148.3	1133.8	1111.2	1076.3	1036.3	991.2
-70°	876.9	888.8	894.3	896.4	894.3	888.8	876.9	859.6	831.8	801.2	767.9
-72.5°	691.6	701.0	704.9	706.5	704.9	701.0	691.6	678.6	656.1	632.4	608.2
-75°	558.5	564.1	566.4	567.5	566.4	564.1	558.5	550.4	533.3	515.5	496.9
-77.5°	471.0	477.0	479.1	480.6	479.1	477.0	471.0	463.9	450.9	437.2	420.9
-80°	416.6	420.9	422.6	423.9	422.6	420.9	416.6	411.5	400.3	388.7	375.9
-82.5°	378.2	384.0	384.4	384.5	384.4	384.0	378.2	372.2	362.5	352.7	341.6
-85°	341.6	346.0	346.8	347.5	346.8	346.0	341.6	337.1	328.4	319.7	310.2
-87.5°	309.6	313.8	313.9	313.9	313.9	313.8	309.6	305.4	297.7	289.9	281.6
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	2.3	2.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	253.6	248.4	243.2	239.8	236.3	231.1	225.8	218.3	210.8	203.3	195.7
87.5°	3.4	3.4	3.4	3.4	3.5	4.0	4.4	4.5	4.6	4.6	4.6
85°	3.5	4.0	4.4	4.4	4.3	4.4	4.6	5.0	5.2	5.2	5.1
82.5°	4.4	4.5	4.6	4.6	4.6	4.9	5.2	5.5	5.8	5.9	6.0
80°	4.6	4.6	4.7	5.0	5.2	5.5	5.8	5.9	6.0	6.4	6.7
77.5°	4.6	4.6	4.7	5.3	5.8	5.9	6.0	6.5	6.7	6.8	6.9
75°	6.8	6.5	6.3	6.5	6.7	6.7	6.8	6.8	7.0	7.2	7.2
72.5°	12.3	12.0	11.5	10.9	10.3	10.5	10.4	9.8	9.2	8.7	8.0
70°	18.6	19.3	19.9	19.9	19.9	19.9	18.4	16.3	14.4	13.7	11.8
67.5°	24.7	25.4	27.1	29.8	29.5	29.0	27.8	26.2	23.4	20.8	17.1
65°	28.1	29.5	29.6	29.4	31.4	33.3	35.5	34.6	34.5	30.8	24.3
62.5°	24.0	26.6	25.7	25.3	28.0	33.5	42.2	46.1	48.2	44.9	36.7
60°	14.1	15.9	16.9	18.9	22.2	31.6	45.4	55.3	63.9	58.1	48.6
57.5°	6.9	8.2	10.7	14.0	17.7	30.1	45.9	59.4	69.1	65.4	59.2
55°	11.5	13.2	14.4	15.7	17.2	30.4	44.4	58.4	68.8	67.7	62.5
52.5°	35.7	41.5	41.3	33.8	34.9	42.6	46.0	60.6	70.2	71.4	67.2
50°	147.8	153.5	133.6	110.3	110.3	87.3	90.9	87.3	84.4	86.6	78.3
47.5°	393.2	373.6	329.5	294.5	263.6	229.1	212.4	172.1	163.8	126.3	119.8
45°	672.2	642.1	590.3	531.9	481.7	436.9	395.5	363.0	300.9	267.9	188.9
42.5°	934.4	886.8	826.3	763.0	703.2	636.7	587.3	549.2	507.0	443.5	374.2
40°	1326.0	1115.7	1039.3	964.7	884.8	807.6	751.5	693.8	664.0	614.1	547.0
37.5°	2075.5	1616.2	1388.4	1163.5	1065.5	979.5	914.6	855.4	798.2	754.4	691.2
35°	3304.3	2645.6	2038.4	1622.0	1292.6	1177.5	1092.2	1024.5	954.0	883.3	823.7
32.5°	4848.2	4031.1	3168.6	2421.9	1823.2	1450.9	1301.9	1205.7	1115.4	1028.3	942.9
30°	6704.5	5680.1	4588.5	3580.8	2754.1	2039.4	1572.4	1410.4	1288.4	1178.6	1066.5
27.5°	9904.9	7756.9	6434.1	5172.3	4124.6	3126.8	2224.6	1638.3	1476.3	1341.9	1208.8
25°	14289.9	11861.0	9470.3	7755.7	6351.1	4645.9	3198.6	2212.1	1702.6	1513.7	1355.3
22.5°	19779.4	16511.5	13517.2	10884.1	8833.4	6637.0	4576.1	2847.7	1946.4	1695.5	1509.0
20°	26719.5	21377.7	17634.0	14261.8	11309.6	8528.0	5920.7	3811.9	2482.5	1889.7	1658.5
17.5°	35885.2	28000.7	22241.1	17905.4	14152.8	10863.2	7711.2	5019.4	2984.5	2087.3	1805.5
15°	45572.1	35513.4	27685.6	21553.0	16750.1	12927.6	9531.9	6229.3	3685.0	2437.1	1969.5
12.5°	55935.9	43749.0	33280.5	25259.7	19207.0	14737.3	11024.1	7549.0	4630.4	2848.1	2108.9
10°	64659.6	50815.2	38997.2	29562.8	22399.5	16751.5	12299.0	8593.8	5385.9	3207.0	2231.6
7.5°	73817.2	56769.3	43354.8	32627.8	24861.2	18879.5	13612.3	9369.8	5965.2	3474.4	2326.0
5°	80062.5	60719.7	46312.6	34712.3	26414.4	20330.7	14850.9	9908.4	6332.4	3656.9	2405.1
2.5°	83977.5	62866.7	47911.6	36264.7	27232.4	21060.6	15821.2	10589.9	6642.8	3819.7	2484.2
0°	86221.9	64837.3	49237.7	37235.5	27686.3	21456.5	16324.6	11380.3	6851.8	3928.5	2548.0
-2.5°	88088.2	65193.7	48934.6	36486.3	27405.3	21265.4	16213.2	11681.3	7303.7	4038.8	2616.1
-5°	86061.8	64297.5	47849.4	35565.6	27019.5	20964.4	15978.9	11593.6	7427.9	4086.3	2664.3
-7.5°	81266.6	61626.4	46050.6	34218.9	26250.1	20460.5	15542.3	11096.8	7121.6	4107.8	2728.9
-10°	74022.9	57325.4	43019.3	32393.4	25146.0	19681.9	14900.0	10525.2	6708.3	4019.5	2770.6
-12.5°	66360.4	51965.5	39358.0	29841.9	23614.1	18580.5	13987.1	9739.6	6140.4	3818.5	2801.9
-15°	58122.5	45985.8	35655.8	27698.9	21822.7	17145.4	12825.3	8736.5	5406.5	3528.3	2807.3
-17.5°	49581.9	39981.2	31314.3	24879.2	19813.3	15457.7	11399.6	7727.2	4873.2	3311.4	2791.9
-20°	40981.3	34002.3	27742.0	22228.1	17516.1	13411.4	9699.6	6503.4	4328.0	3258.5	2785.3



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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°	33649.4	28961.9	24183.4	19390.9	15270.8	11359.4	7973.3	5285.0	3670.4	3143.8	2744.1
-25°	28284.8	24478.9	20575.7	16729.1	12864.7	9227.9	6238.6	4415.7	3449.4	3037.6	2668.5
-27.5°	23516.9	20226.3	16969.4	13617.5	10245.1	7191.4	4955.2	3640.0	3228.4	2895.8	2591.8
-30°	19057.3	16221.7	13352.1	10419.3	7765.5	5406.4	3897.0	3392.1	3043.5	2744.1	2471.6
-32.5°	14759.7	12389.6	9872.0	7558.3	5541.6	4139.7	3523.4	3153.9	2865.6	2601.6	2358.5
-35°	10684.9	8827.0	6823.5	5316.7	4057.0	3598.7	3259.3	2967.5	2699.7	2458.5	2243.1
-37.5°	7148.2	5810.5	4807.4	3891.1	3593.9	3304.2	3042.8	2785.0	2535.9	2329.4	2139.8
-40°	4780.8	3984.6	3760.7	3517.0	3291.1	3064.7	2833.3	2600.5	2397.1	2208.1	2041.5
-42.5°	3691.6	3531.4	3384.4	3214.1	3030.6	2834.4	2630.7	2440.0	2261.7	2101.2	1952.1
-45°	3312.2	3188.8	3071.2	2941.5	2786.2	2622.1	2448.8	2290.2	2138.3	1999.4	1863.2
-47.5°	2990.4	2892.2	2791.8	2692.2	2565.7	2431.2	2294.2	2154.3	2026.4	1891.3	1698.0
-50°	2710.6	2632.4	2547.4	2464.6	2374.9	2272.8	2154.3	2035.0	1889.2	1706.2	1525.0
-52.5°	2479.0	2411.7	2342.5	2279.3	2211.1	2125.8	2020.4	1857.2	1689.1	1514.5	1344.3
-55°	2280.9	2223.8	2166.7	2117.2	2053.2	1929.2	1795.2	1638.0	1474.2	1313.2	1167.0
-57.5°	2107.2	2044.4	1960.6	1878.5	1795.4	1678.7	1546.5	1398.9	1258.7	1123.9	991.3
-60°	1834.7	1764.1	1680.2	1594.6	1510.6	1407.5	1296.6	1177.1	1052.5	941.5	831.5
-62.5°	1521.7	1454.5	1381.5	1308.6	1240.6	1161.0	1064.1	968.5	867.5	769.2	689.8
-65°	1218.0	1164.7	1104.3	1046.3	992.9	934.0	852.7	779.9	708.2	634.9	565.8
-67.5°	948.9	907.2	860.2	814.2	780.1	743.4	689.4	630.2	578.0	530.5	486.5
-70°	737.1	709.7	679.6	646.8	620.7	598.1	564.4	524.9	483.9	446.9	413.1
-72.5°	586.0	568.7	549.6	528.8	508.0	491.0	467.9	438.9	408.5	376.0	349.3
-75°	479.1	466.3	452.4	438.1	423.1	406.9	391.9	374.6	356.0	336.1	317.7
-77.5°	405.8	397.0	388.0	380.2	371.9	362.8	351.7	336.3	321.7	306.3	291.9
-80°	363.6	356.2	349.0	343.1	336.7	329.2	320.5	307.7	294.7	281.4	269.0
-82.5°	330.8	324.6	318.3	312.7	306.8	299.9	292.5	281.5	270.4	258.8	247.5
-85°	300.8	295.1	289.3	284.2	278.9	272.8	266.3	256.8	247.2	236.8	226.5
-87.5°	273.2	267.7	262.1	258.2	254.3	248.6	242.8	234.8	226.6	217.7	208.8
-90°	2.3	2.3	2.3	2.9	3.5	3.5	3.5	4.1	4.6	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	188.8	181.8	174.9	167.9	162.2	156.4	150.0	143.6	134.9	126.2	112.9
87.5°	5.0	5.4	5.9	6.4	6.4	6.4	6.9	7.4	7.4	7.3	7.9
85°	5.6	6.1	6.5	6.9	6.9	6.9	7.4	7.9	7.8	7.7	8.2
82.5°	6.4	6.8	6.8	6.9	7.3	7.5	8.0	8.4	8.4	8.2	8.6
80°	6.8	7.0	7.2	7.3	7.7	8.2	8.6	9.0	9.1	9.0	9.2
77.5°	6.9	7.1	7.7	7.9	8.0	8.2	8.8	9.4	9.8	9.8	9.9
75°	6.9	7.1	7.7	8.2	8.3	8.3	8.9	9.6	10.2	10.6	10.6
72.5°	7.7	7.8	8.1	8.4	8.7	9.0	9.3	9.8	10.6	11.1	11.3
70°	9.8	8.9	8.9	9.3	9.6	9.9	10.4	10.7	11.0	11.7	12.0
67.5°	12.8	11.5	10.6	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6
65°	20.1	16.2	12.7	12.6	12.5	12.4	12.6	13.2	13.0	13.7	13.3
62.5°	29.1	23.2	19.5	16.2	15.2	15.9	14.1	15.7	14.5	15.3	14.8
60°	39.4	31.3	27.2	23.9	21.4	20.9	20.0	18.7	18.3	17.1	16.8
57.5°	48.0	38.5	36.1	32.5	31.0	28.8	27.6	25.3	22.8	21.3	19.0
55°	54.8	46.8	45.8	42.7	42.1	38.8	37.0	33.9	28.8	26.4	21.6
52.5°	58.7	57.6	56.6	56.5	55.7	51.1	49.1	43.3	38.8	31.9	26.7
50°	68.4	72.3	70.9	74.3	71.7	69.2	62.0	56.1	49.6	39.0	32.3
47.5°	101.0	103.9	96.0	98.5	93.7	90.1	81.1	70.6	61.1	49.7	38.2
45°	186.5	156.4	147.1	135.9	124.9	120.0	104.1	86.0	75.2	60.9	44.2
42.5°	305.3	263.3	234.8	180.9	176.8	156.6	131.8	110.9	90.1	72.7	52.8
40°	466.9	411.0	349.4	292.3	241.8	198.5	172.8	139.7	105.7	85.5	63.4
37.5°	622.0	558.5	495.7	418.5	327.5	268.5	219.5	171.0	126.0	100.4	74.1
35°	750.3	688.2	629.1	546.3	451.5	342.1	270.7	208.8	154.9	115.9	85.0
32.5°	865.7	794.1	724.2	656.9	554.5	417.3	332.9	252.0	184.6	132.0	95.9
30°	976.1	889.1	807.5	742.4	636.0	502.0	394.4	293.1	214.8	148.5	107.1
27.5°	1090.7	984.6	887.9	812.1	702.2	574.7	442.8	332.2	245.4	166.7	119.3
25°	1213.5	1088.8	981.7	885.3	768.8	628.7	486.1	369.3	277.3	187.7	131.0
22.5°	1343.5	1193.1	1072.2	963.8	842.4	681.3	528.2	407.2	302.0	207.3	142.0
20°	1466.5	1290.3	1154.7	1029.1	912.9	740.9	571.5	437.9	325.1	225.6	152.5
17.5°	1588.9	1384.0	1218.7	1086.3	972.9	802.5	615.9	466.6	346.6	242.3	162.3
15°	1704.2	1475.3	1282.9	1137.0	1021.0	860.5	659.3	493.6	366.2	257.6	172.1
12.5°	1811.1	1561.4	1346.4	1180.5	1056.7	912.5	700.9	518.7	384.0	272.9	182.0
10°	1906.9	1642.3	1408.3	1222.1	1087.8	958.7	739.9	546.2	407.0	288.1	191.3
7.5°	1985.8	1716.2	1465.4	1261.6	1115.9	998.2	782.1	581.5	429.6	301.9	200.0
5°	2053.4	1783.0	1522.1	1307.9	1148.4	1030.4	820.5	614.8	450.7	314.1	207.8
2.5°	2114.6	1841.5	1575.5	1351.8	1178.5	1056.0	853.9	645.5	469.7	324.7	214.9
0°	2164.6	1890.2	1621.5	1391.0	1205.7	1076.0	882.5	672.9	486.4	333.6	221.2
-2.5°	2209.9	1924.7	1659.5	1432.1	1250.9	1105.8	900.0	686.7	500.1	345.3	228.8
-5°	2243.0	1949.9	1690.2	1468.1	1291.4	1129.9	912.5	696.7	511.0	355.0	235.4
-7.5°	2295.3	1979.2	1717.7	1499.6	1326.2	1147.4	919.9	703.0	519.0	362.6	241.1
-10°	2336.0	2006.1	1743.2	1525.5	1348.9	1162.1	923.7	705.8	524.0	367.9	245.6
-12.5°	2367.7	2025.5	1760.2	1544.8	1367.0	1174.7	933.6	708.9	525.9	370.7	249.0
-15°	2391.7	2053.9	1777.8	1558.0	1382.1	1181.1	936.2	708.8	523.6	370.2	251.3
-17.5°	2399.3	2064.8	1786.7	1568.4	1392.7	1181.4	931.0	702.8	517.8	366.6	252.7
-20°	2403.1	2069.2	1783.3	1569.3	1395.9	1167.6	917.4	690.6	508.5	360.8	253.4



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2392.0	2071.1	1795.0	1567.7	1384.6	1145.7	895.4	672.7	495.5	352.7	253.1
-25°	2345.3	2061.4	1797.1	1573.2	1355.2	1114.8	871.8	653.9	478.8	342.5	251.6
-27.5°	2288.9	2025.3	1786.2	1566.2	1325.1	1078.6	846.3	637.8	464.5	330.1	249.0
-30°	2226.7	1983.7	1760.2	1540.9	1284.8	1039.3	815.5	616.8	451.3	322.7	245.3
-32.5°	2138.6	1935.3	1726.0	1487.8	1234.8	993.1	778.5	590.4	434.6	318.4	242.1
-35°	2053.0	1876.3	1684.1	1423.2	1176.1	946.2	738.3	558.6	414.3	312.3	238.4
-37.5°	1962.3	1803.2	1601.9	1348.2	1107.3	892.1	697.6	528.3	390.6	304.4	233.6
-40°	1880.6	1705.7	1488.2	1263.2	1035.6	829.8	651.4	498.6	375.4	294.8	227.5
-42.5°	1794.0	1575.0	1367.6	1163.3	957.0	769.2	601.6	465.5	362.8	285.4	220.1
-45°	1651.9	1440.6	1239.8	1055.5	872.0	702.2	560.0	431.8	347.9	275.4	213.8
-47.5°	1502.0	1301.8	1112.5	942.5	789.6	634.4	511.8	412.1	330.7	263.8	210.0
-50°	1345.8	1162.4	987.5	836.1	695.5	576.8	465.9	389.7	315.4	250.6	205.6
-52.5°	1184.6	1023.8	869.3	729.3	618.2	515.2	434.3	363.9	298.1	241.9	200.5
-55°	1023.9	890.2	752.5	637.3	542.8	469.5	400.1	339.2	279.1	234.6	195.1
-57.5°	873.8	756.5	651.4	554.4	482.7	425.1	367.6	312.7	266.9	226.5	192.0
-60°	729.1	644.2	555.5	488.7	431.5	382.6	335.5	289.1	256.1	218.2	188.0
-62.5°	610.5	540.4	488.0	432.1	383.8	343.1	304.7	274.1	243.7	212.4	183.3
-65°	517.2	471.7	425.3	381.8	339.9	307.9	286.5	258.5	233.7	206.0	178.0
-67.5°	443.7	407.1	371.0	332.8	306.9	287.0	267.3	246.2	224.2	198.9	172.2
-70°	379.1	346.5	324.6	304.7	284.3	266.6	252.9	235.0	214.3	191.5	166.0
-72.5°	330.9	313.8	297.1	279.7	265.3	252.0	239.3	223.4	204.3	183.6	159.3
-75°	301.2	287.7	275.1	262.0	249.4	237.3	225.5	211.5	194.0	175.2	152.5
-77.5°	280.1	268.5	256.2	244.4	233.5	222.5	211.5	199.2	183.3	166.5	145.3
-80°	259.1	248.8	238.2	227.8	217.7	207.5	197.6	186.8	172.4	157.4	137.9
-82.5°	238.1	228.9	220.1	211.0	202.2	193.4	184.2	174.4	161.3	148.0	130.9
-85°	218.6	210.7	202.4	194.1	186.7	179.2	171.1	162.9	151.9	140.8	125.1
-87.5°	202.0	195.2	187.8	180.5	174.2	167.9	160.6	153.3	143.5	133.6	119.1
-90°	4.6	4.6	5.2	5.8	5.8	5.8	6.4	6.9	6.9	6.9	7.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	99.6	82.8	66.0	47.5	29.0	19.7	10.4
87.5°	8.4	8.5	8.5	8.4	8.3	9.5	10.4
85°	8.7	8.9	8.9	8.7	8.5	9.7	10.4
82.5°	9.1	9.2	9.3	9.0	8.7	9.9	10.4
80°	9.4	9.6	9.7	9.3	9.0	10.1	10.4
77.5°	10.0	10.1	10.1	9.6	9.2	10.3	10.4
75°	10.6	10.6	10.5	9.9	9.4	10.5	10.4
72.5°	11.3	11.1	10.9	10.2	9.7	10.7	10.4
70°	11.9	11.6	11.3	10.5	10.0	11.0	10.4
67.5°	12.7	12.1	11.8	10.9	10.3	11.2	10.4
65°	13.6	12.9	12.3	11.4	10.6	11.4	10.4
62.5°	14.5	13.9	12.8	11.9	11.0	11.6	10.4
60°	15.6	15.0	13.3	12.4	11.3	11.9	10.4
57.5°	17.8	16.2	14.5	12.9	12.0	12.1	10.4
55°	20.2	17.4	15.8	13.4	12.7	12.4	10.4
52.5°	22.7	18.9	17.1	13.9	13.4	12.6	10.4
50°	25.4	21.5	18.6	14.4	14.1	12.9	10.4
47.5°	28.6	24.2	20.0	15.1	14.9	13.1	10.4
45°	33.8	27.1	21.6	16.3	15.8	13.4	10.4
42.5°	39.2	30.1	23.1	17.4	16.7	13.6	10.4
40°	44.9	33.2	25.2	19.2	17.6	13.9	10.4
37.5°	50.8	36.4	27.6	21.2	18.5	14.1	10.4
35°	56.7	40.7	30.1	23.2	19.5	14.4	10.4
32.5°	63.6	45.4	32.6	25.3	20.5	14.6	10.4
30°	72.4	50.1	35.1	27.4	21.5	14.9	10.4
27.5°	81.0	54.7	38.4	29.5	22.6	15.1	10.4
25°	89.4	59.1	41.9	31.6	23.6	15.4	10.4
22.5°	97.4	63.8	45.2	33.7	24.7	15.6	10.4
20°	105.1	69.1	48.5	35.8	25.8	15.8	10.4
17.5°	113.1	74.2	51.6	37.9	26.8	16.1	10.4
15°	121.0	79.2	54.7	39.9	27.9	16.3	10.4
12.5°	128.5	83.9	57.7	41.9	28.9	16.5	10.4
10°	135.4	88.5	60.5	43.9	29.9	16.7	10.4
7.5°	141.8	92.8	63.2	45.8	30.9	16.9	10.4
5°	147.6	96.9	65.8	47.6	31.9	17.1	10.4
2.5°	152.9	100.7	68.3	49.3	32.8	17.2	10.4
0°	157.5	104.2	70.6	51.0	33.6	17.4	10.4
-2.5°	162.9	108.4	73.9	53.2	34.9	18.0	10.4
-5°	167.7	112.3	77.0	55.2	36.1	18.6	10.4
-7.5°	171.8	115.8	80.0	57.1	37.3	19.2	10.4
-10°	175.2	118.9	82.7	58.9	38.3	19.8	10.4
-12.5°	177.9	121.7	85.3	60.6	39.3	20.3	10.4
-15°	179.8	124.1	87.6	62.2	40.3	20.9	10.4
-17.5°	181.0	126.2	89.6	63.5	41.1	21.4	10.4
-20°	181.9	127.8	91.5	64.8	41.9	21.8	10.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	182.7	129.0	93.0	65.9	42.6	22.2	10.4
-25°	182.8	130.6	94.3	66.8	43.2	22.6	10.4
-27.5°	182.0	131.9	95.3	67.6	43.7	23.0	10.4
-30°	180.4	132.8	96.1	68.2	44.2	23.3	10.4
-32.5°	178.0	133.3	97.4	68.6	44.5	23.6	10.4
-35°	177.0	133.3	98.4	68.9	44.8	23.9	10.4
-37.5°	176.5	133.3	99.1	68.9	44.9	24.1	10.4
-40°	175.4	133.9	99.5	68.8	45.0	24.3	10.4
-42.5°	173.6	134.1	99.9	68.8	45.0	24.4	10.4
-45°	171.0	133.9	100.1	68.9	44.9	24.5	10.4
-47.5°	167.8	133.5	100.0	68.9	44.7	24.6	10.4
-50°	166.1	132.6	99.6	68.9	44.4	24.6	10.4
-52.5°	164.3	131.4	98.9	68.8	44.1	24.5	10.4
-55°	162.1	129.8	97.9	68.5	43.6	24.5	10.4
-57.5°	159.5	127.8	96.7	68.0	43.1	24.3	10.4
-60°	156.4	125.5	95.1	67.3	42.4	24.2	10.4
-62.5°	153.0	122.8	93.8	66.5	41.8	24.0	10.4
-65°	149.0	119.8	92.3	65.5	41.1	23.8	10.4
-67.5°	144.7	116.7	90.5	64.3	40.2	23.5	10.4
-70°	139.9	113.6	88.5	62.9	39.3	23.2	10.4
-72.5°	135.1	110.1	86.2	61.5	38.3	22.9	10.4
-75°	130.0	106.3	83.7	59.9	37.1	22.5	10.4
-77.5°	124.5	102.3	81.2	58.1	35.9	22.1	10.4
-80°	118.6	98.5	78.5	56.2	34.7	21.7	10.4
-82.5°	114.0	94.9	75.6	54.2	33.3	21.2	10.4
-85°	109.4	91.0	72.6	52.1	31.9	20.7	10.4
-87.5°	104.6	87.0	69.4	49.9	30.5	20.2	10.4
-90°	8.1	8.1	8.1	8.1	8.1	9.3	10.4

(END OF REPORT)