

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: P1306408 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-57-80-3S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1306408 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680N-57-80-3S-VHE-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

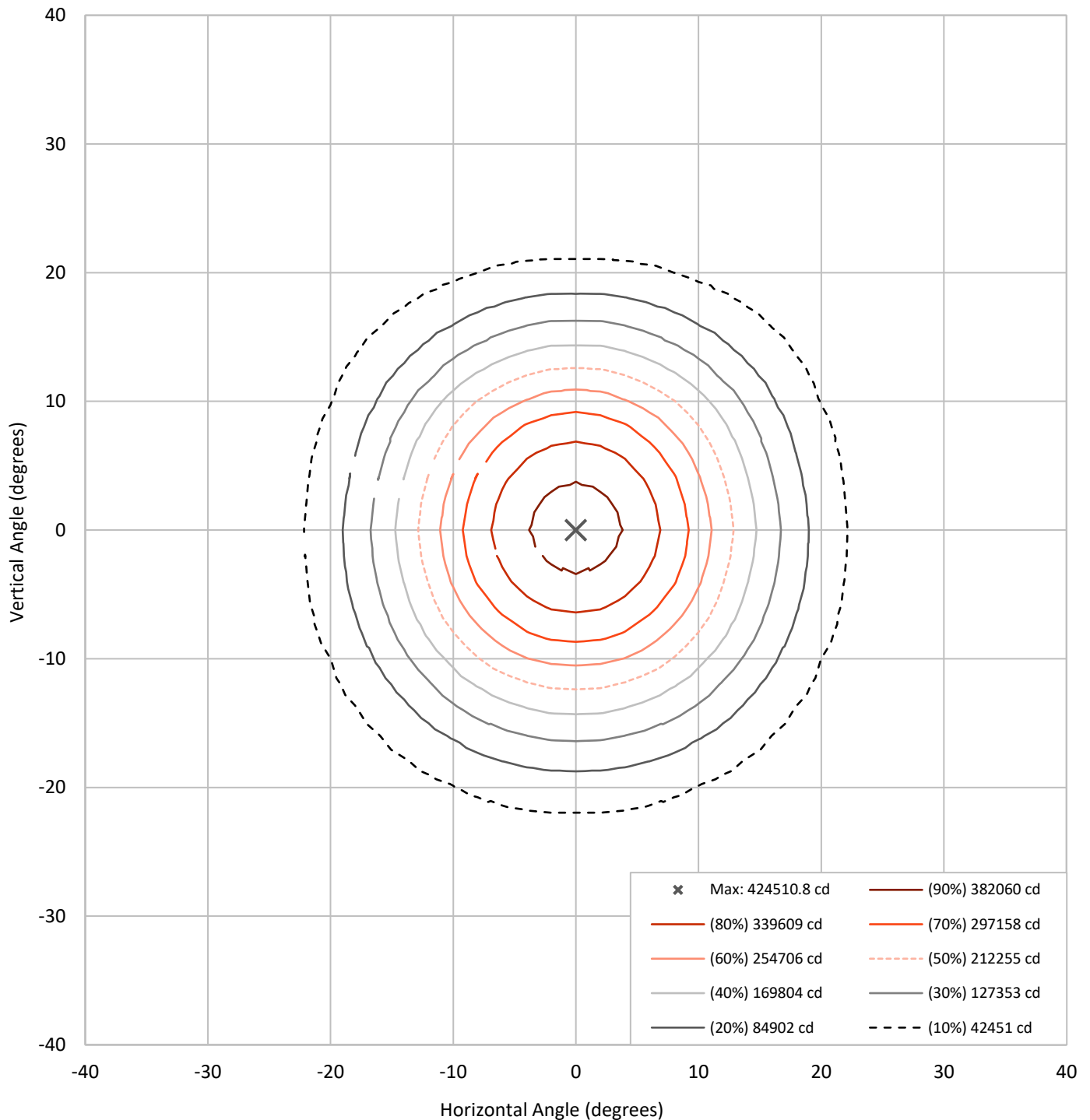
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	95375 lumens	Max Intensity:	424510.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	138.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	45632.9 lumens	Field Lumens:	79960.1 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%

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





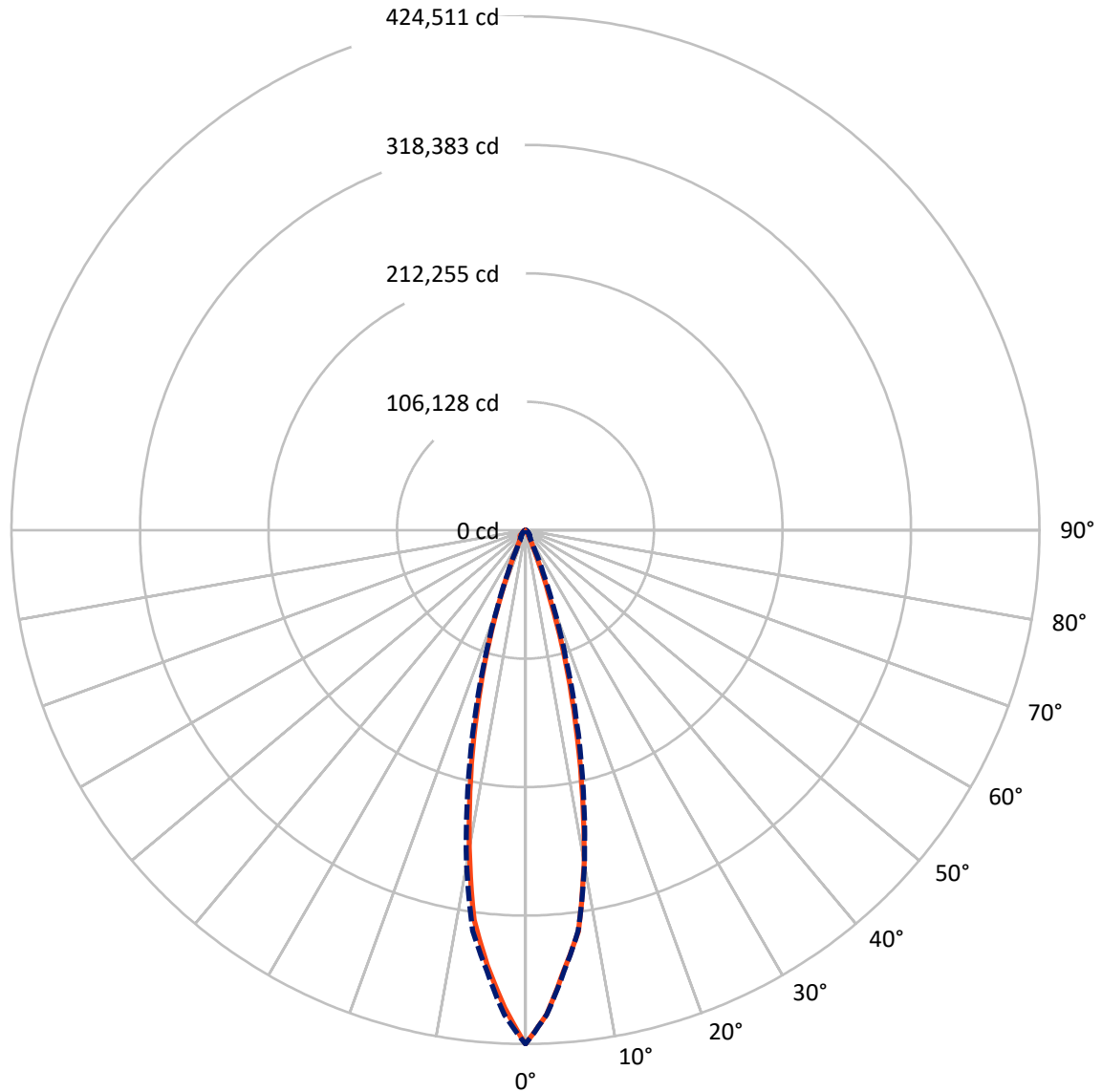
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### Lumen Table

90	0.2	0.7		1.5		2.2		2.7		2.2		1.5		0.7		0.2			
80	0.2	0.7		1.5		2.2		2.7		2.2		1.5		0.7		0.2			
70	0.3	0.1	0.3	0.7	0.9	0.7	0.6	0.6	0.6	0.6	0.7	0.9	0.7	0.3	0.1	0.3			
60		0.4	0.9	1.2	1.1	1.1	1.4	1.6	1.6	1.4	1.1	1.1	1.2	0.9	0.4				
50	0.9	1.3	3.2	6.7	12.3	21.0	29.9	33.9	33.9	29.9	21.0	12.3	6.7	3.2	1.3	0.9			
40		3.3	10.1	20.9	39.3	65.2	78.8	92.5	92.5	78.8	65.2	39.3	20.9	10.1	3.3				
30	2.2	5.5	17.0	37.4	83.6	107.6	232.4	508.2	508.2	232.4	107.6	83.6	37.4	17.0	5.5	2.2			
20		7.3	22.4	60.7	120.0	290.2	1748.1	4226.2	4226.2	1748.1	290.2	120.0	60.7	22.4	7.3				
10	3.2	8.8	25.9	77.3	145.4	644.2	4245.8	9670.6	9670.6	4245.8	644.2	145.4	77.3	25.9	8.8	3.2			
0		9.7	28.5	81.8	161.1	663.9	4271.5	9570.2	9570.2	4271.5	663.9	161.1	81.8	28.5	9.7				
-10	3.5	9.8	29.5	79.0	160.5	355.9	1822.7	4265.6	4265.6	1822.7	355.9	160.5	79.0	29.5	9.8	3.5			
-20		9.1	28.1	62.5	144.4	218.0	377.8	718.5	718.5	377.8	218.0	144.4	62.5	28.1	9.1				
-30	3.0	7.7	24.0	50.0	99.8	174.4	215.3	238.9	238.9	215.3	174.4	99.8	50.0	24.0	7.7	3.0			
-40		6.0	18.3	38.8	63.2	93.2	136.6	170.2	170.2	136.6	93.2	63.2	38.8	18.3	6.0				
-50	2.4	4.0	11.9	25.3	42.5	57.9	70.3	78.0	78.0	70.3	57.9	42.5	25.3	11.9	4.0	2.4			
-60		2.9	6.3	13.1	22.1	30.5	38.5	43.4	43.4	38.5	30.5	22.1	13.1	6.3	2.9				
-70	1.7	10.4		24.2		39.4		48.3		39.4		24.2		10.4		1.7			
-80		10.4		24.2		39.4		48.3		39.4		24.2		10.4					
-90	1.7	10.4		24.2		39.4		48.3		39.4		24.2		10.4		1.7			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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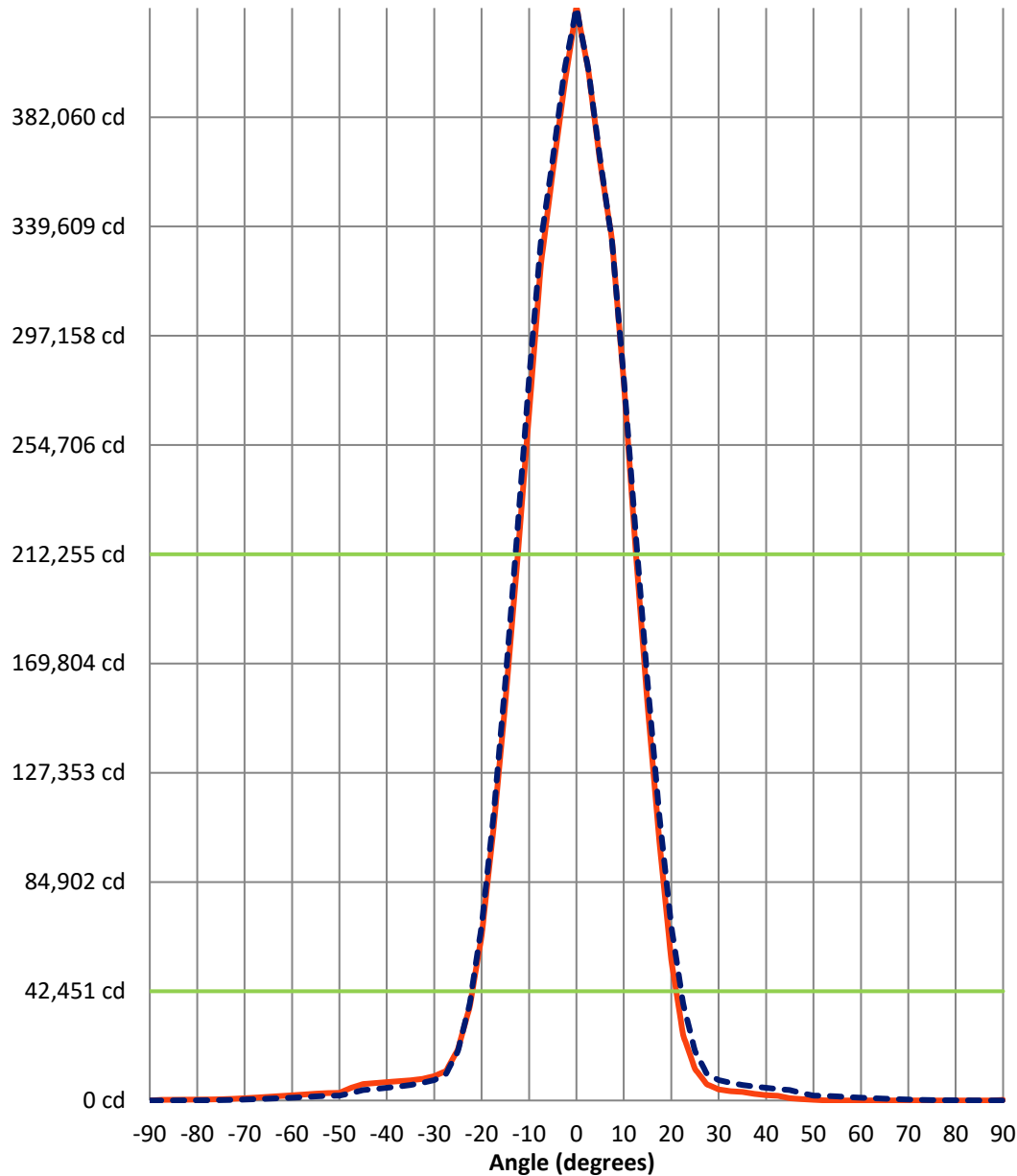
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 25.7°  
V Angle: 24.9°  
Lumens: 45632.9  
Efficiency: 47.8%

**Field:**  
H Angle: 44.2°  
V Angle: 43°  
Lumens: 79960.1  
Efficiency: 83.8%

**Spill:**  
Lumens: 15414.8  
Efficiency: 16.2%

— 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°	3.4	14.2	25.0	40.3	55.7	68.7	81.8	91.5	101.1	109.1	117.1
87.5°	3.4	3.7	3.6	3.7	3.8	3.8	3.7	3.3	3.1	2.9	2.8
85°	3.4	3.9	3.8	4.0	4.2	4.1	4.0	3.8	3.8	3.6	3.2
82.5°	3.4	4.2	4.0	4.3	4.6	4.5	4.3	4.3	4.5	4.2	3.7
80°	3.4	4.5	4.2	4.6	5.0	4.9	4.6	4.9	5.0	4.6	4.2
77.5°	3.4	4.8	4.5	4.9	5.4	5.4	5.3	5.4	5.4	5.1	4.8
75°	3.4	5.1	4.7	5.2	5.8	6.0	5.9	6.0	5.9	5.8	5.4
72.5°	3.4	5.3	5.0	5.5	6.4	6.7	6.6	6.7	6.9	6.6	6.1
70°	3.4	5.6	5.3	5.8	7.1	7.4	7.4	7.9	7.9	7.5	7.6
67.5°	3.4	5.9	5.6	6.5	7.7	8.1	8.8	9.1	9.0	9.5	9.5
65°	3.4	6.2	6.0	7.2	8.5	9.2	10.2	10.4	11.4	11.6	11.5
62.5°	3.4	6.5	6.3	7.9	9.2	10.7	11.8	12.6	13.9	13.9	14.0
60°	3.4	6.8	6.8	8.6	10.0	12.3	13.4	15.3	16.6	17.0	16.7
57.5°	3.4	7.1	7.5	9.3	11.5	13.9	15.9	18.1	20.2	20.5	22.6
55°	3.4	7.4	8.3	10.0	13.0	15.5	18.6	21.1	24.3	25.6	30.5
52.5°	3.4	7.7	9.1	10.8	14.7	17.4	21.3	25.2	28.8	35.3	39.1
50°	3.4	8.0	9.9	11.5	16.3	19.9	24.1	29.7	35.1	45.8	55.1
47.5°	3.4	8.3	10.8	12.4	18.0	22.6	27.0	34.4	45.7	57.2	74.2
45°	3.4	8.6	11.7	13.7	19.7	25.3	31.3	39.3	56.9	76.7	95.4
42.5°	3.4	9.0	12.5	15.0	21.5	28.2	35.6	47.3	68.5	97.8	127.8
40°	3.4	9.3	13.4	16.7	23.5	31.1	40.3	57.8	83.2	120.2	164.3
37.5°	3.4	9.6	14.3	18.6	25.8	34.1	45.4	68.5	103.8	147.0	203.5
35°	3.4	9.9	15.3	20.5	28.1	37.9	50.7	79.4	125.2	181.4	247.3
32.5°	3.4	10.2	16.2	22.4	30.4	42.0	57.3	90.8	147.4	216.1	290.8
30°	3.4	10.5	17.1	24.3	32.7	46.2	66.7	104.1	170.3	250.8	331.4
27.5°	3.4	10.8	18.1	26.1	35.7	50.4	76.0	121.4	193.5	285.5	369.2
25°	3.4	11.1	19.0	28.0	38.6	54.5	85.2	137.8	217.0	317.9	404.4
22.5°	3.4	11.4	19.9	29.9	41.5	58.7	94.1	153.2	238.4	339.9	442.7
20°	3.4	11.7	20.9	31.7	44.4	63.1	102.7	167.5	257.8	360.4	473.7
17.5°	3.4	12.0	21.8	33.5	47.1	67.2	110.8	180.8	275.2	379.1	502.7
15°	3.4	12.3	22.6	35.2	49.8	71.1	118.1	192.8	290.6	396.2	530.2
12.5°	3.4	12.5	23.5	36.9	52.4	74.8	125.0	203.4	306.2	411.5	555.9
10°	3.4	12.8	24.3	38.5	54.9	78.3	131.2	213.0	322.3	434.2	584.0
7.5°	3.4	13.0	25.1	40.1	57.3	81.5	136.9	221.5	337.0	457.2	619.0
5°	3.4	13.2	25.9	41.6	59.5	84.5	141.9	228.8	350.3	478.7	651.5
2.5°	3.4	13.4	26.6	43.0	61.6	87.3	146.3	234.9	361.9	498.4	680.9
0°	3.4	13.6	27.3	44.3	63.6	89.8	150.0	239.8	371.6	515.9	706.9
-2.5°	3.4	14.2	28.5	46.3	66.4	93.6	154.8	247.9	382.5	527.8	719.0
-5°	3.4	14.7	29.7	48.1	69.1	97.1	158.9	254.7	391.2	537.1	727.2
-7.5°	3.4	15.2	30.8	49.9	71.6	100.3	162.2	260.0	397.7	543.7	731.6
-10°	3.4	15.7	31.8	51.5	73.9	103.2	164.8	263.7	401.6	547.8	732.2
-12.5°	3.4	16.2	32.8	53.1	76.1	105.8	166.5	265.6	403.1	549.0	730.6
-15°	3.4	16.6	33.7	54.4	78.0	108.1	167.5	265.8	400.7	545.6	724.9
-17.5°	3.4	17.0	34.5	55.7	79.8	110.1	167.6	263.4	394.2	539.1	714.2
-20°	3.4	17.4	35.3	56.8	81.3	111.7	167.0	259.0	385.4	529.6	698.2



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 CATALOG NUMBER: EPH-08-680N-57-80-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.4	17.8	36.0	57.8	82.6	113.0	165.7	252.9	374.2	517.0	677.3
-25°	3.4	18.1	36.6	58.6	83.7	114.2	163.5	245.2	360.7	501.2	655.3
-27.5°	3.4	18.4	37.1	59.3	84.5	115.1	160.5	236.0	345.0	486.9	639.6
-30°	3.4	18.6	37.6	59.9	85.2	115.7	156.6	225.2	332.2	471.1	620.6
-32.5°	3.4	18.8	37.9	60.2	86.1	115.9	151.8	218.2	321.2	452.7	597.9
-35°	3.4	19.0	38.2	60.5	86.7	115.9	150.1	212.1	307.4	431.8	571.5
-37.5°	3.4	19.2	38.4	60.5	87.1	115.8	149.6	205.3	290.8	408.5	543.7
-40°	3.4	19.3	38.5	60.5	87.2	116.0	148.7	197.1	271.2	385.6	512.3
-42.5°	3.4	19.4	38.5	60.3	87.3	115.9	147.4	187.5	256.6	358.2	475.9
-45°	3.4	19.4	38.5	60.2	87.2	115.6	145.6	180.2	243.9	327.8	435.9
-47.5°	3.4	19.4	38.3	60.0	86.8	115.0	143.2	177.3	229.4	295.0	398.6
-50°	3.4	19.4	38.1	59.8	86.2	114.1	141.6	173.8	212.3	275.5	358.4
-52.5°	3.4	19.3	37.8	59.6	85.4	112.9	139.8	169.6	202.9	254.5	316.8
-55°	3.4	19.2	37.3	59.2	84.3	111.2	137.6	165.0	196.7	232.0	290.4
-57.5°	3.4	19.0	36.9	58.6	83.0	109.3	135.0	161.9	189.9	220.8	262.7
-60°	3.4	18.8	36.3	57.9	81.5	107.0	132.1	158.0	183.1	212.4	239.7
-62.5°	3.4	18.6	35.7	57.1	80.2	104.5	129.0	153.6	177.6	203.1	228.3
-65°	3.4	18.4	35.1	56.1	78.8	101.7	125.6	148.8	171.7	194.8	216.2
-67.5°	3.4	18.1	34.4	55.0	77.1	99.0	121.9	143.9	165.2	186.6	206.0
-70°	3.4	17.8	33.6	53.7	75.3	96.2	117.9	138.7	158.9	178.1	196.6
-72.5°	3.4	17.4	32.8	52.4	73.3	93.1	113.7	133.2	152.3	169.8	186.8
-75°	3.4	17.0	31.8	51.0	71.0	89.8	109.3	127.2	145.3	161.1	176.5
-77.5°	3.4	16.6	30.8	49.5	68.8	86.3	104.5	121.0	137.7	152.0	165.8
-80°	3.4	16.2	29.8	47.9	66.5	82.9	99.5	114.5	129.8	142.5	155.0
-82.5°	3.4	15.7	28.7	46.2	64.0	79.6	95.2	108.3	121.5	132.9	144.1
-85°	3.4	15.2	27.5	44.3	61.4	76.1	90.9	102.8	114.8	124.5	134.1
-87.5°	3.4	14.7	26.3	42.4	58.6	72.5	86.4	97.2	108.0	116.9	125.7
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.3	2.3	2.3



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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°	123.4	129.6	135.3	140.9	146.0	151.1	158.0	164.8	169.9	175.0	180.1
87.5°	2.8	2.8	2.9	2.9	2.6	2.3	2.3	2.3	2.1	2.0	2.1
85°	3.3	3.4	3.4	3.4	3.0	2.6	2.7	2.8	2.8	2.9	2.6
82.5°	3.8	3.9	3.8	3.4	3.3	3.3	3.4	3.4	3.4	3.4	3.1
80°	4.3	4.5	4.1	3.8	3.9	4.0	3.8	3.5	3.4	3.5	3.6
77.5°	4.7	4.6	4.4	4.4	4.5	4.7	4.7	4.7	4.7	4.4	4.5
75°	5.1	4.7	4.8	4.7	4.7	5.3	5.7	5.7	5.5	5.3	5.4
72.5°	6.0	6.0	5.7	5.1	5.2	5.7	5.7	5.7	7.1	9.4	11.3
70°	7.5	7.3	6.9	6.5	6.3	6.7	8.6	11.7	15.2	18.4	21.5
67.5°	9.0	8.8	8.3	8.2	9.4	11.3	13.7	21.7	30.1	33.0	33.5
65°	10.7	10.4	10.5	11.8	13.4	19.1	26.5	36.1	44.1	43.6	40.2
62.5°	12.6	14.1	14.2	16.9	22.5	29.4	37.9	46.2	53.3	49.9	41.6
60°	18.0	19.0	21.6	26.8	32.6	39.4	48.2	50.9	52.7	51.4	40.4
57.5°	24.8	27.7	33.1	37.9	44.8	47.9	48.6	48.1	51.2	49.1	38.0
55°	34.7	39.8	47.0	52.0	56.0	50.0	49.4	52.5	52.1	47.7	36.9
52.5°	49.6	54.9	65.0	68.6	65.4	60.7	59.0	61.9	59.7	53.7	46.5
50°	65.7	78.5	85.2	88.1	82.3	81.7	75.7	79.5	82.7	79.8	89.8
47.5°	90.3	105.7	110.6	115.9	113.1	123.6	118.2	137.8	139.1	196.3	213.4
45°	120.0	140.7	146.4	160.1	175.2	193.3	224.8	233.1	327.1	384.4	452.0
42.5°	155.7	181.7	205.2	213.1	280.5	317.2	364.3	451.8	539.2	611.2	661.5
40°	201.7	228.2	277.8	337.0	408.8	471.1	561.1	662.3	745.7	800.9	826.8
37.5°	252.4	304.2	369.2	465.0	552.3	631.5	746.4	847.8	921.7	972.7	979.3
35°	306.8	380.4	486.9	583.9	674.0	781.3	895.4	1011.9	1072.5	1094.5	1188.4
32.5°	370.3	454.7	580.7	686.1	787.6	909.2	1030.5	1131.1	1184.7	1246.8	1564.7
30°	430.3	532.5	658.0	770.0	895.7	1034.2	1150.2	1245.1	1282.1	1608.7	2122.8
27.5°	478.2	600.2	726.1	861.2	1005.6	1163.9	1280.9	1342.5	1554.3	2037.5	2780.8
25°	522.8	654.1	794.8	963.6	1127.8	1284.7	1403.7	1443.2	1883.6	2703.1	3257.1
22.5°	566.5	706.7	870.7	1071.9	1240.1	1386.6	1486.1	1724.6	2355.8	3393.6	3681.3
20°	610.2	768.9	953.1	1153.8	1339.2	1476.0	1552.4	2021.4	2929.2	3658.9	3982.6
17.5°	652.3	831.6	1028.7	1222.6	1409.7	1548.3	1647.1	2271.8	3383.3	3897.0	4215.6
15°	693.3	885.1	1087.0	1287.3	1478.1	1611.6	1879.8	2639.1	3665.4	4185.0	4521.4
12.5°	732.6	930.9	1130.1	1343.4	1544.3	1673.1	2121.2	3084.2	3959.8	4468.8	4832.4
10°	769.7	969.3	1167.5	1394.6	1605.9	1726.6	2347.7	3500.1	4229.1	4670.8	5000.4
7.5°	807.1	1004.0	1201.3	1440.8	1663.9	1775.4	2539.3	3727.7	4334.9	4804.1	5118.8
5°	840.1	1036.1	1241.3	1497.9	1720.2	1820.3	2701.1	3880.8	4368.4	4870.8	5204.1
2.5°	868.3	1062.7	1276.4	1551.1	1770.8	1861.0	2811.3	3997.5	4408.8	4918.2	5310.1
0°	<b>892.1</b>	<b>1084.2</b>	<b>1305.8</b>	<b>1596.7</b>	<b>1813.8</b>	<b>1897.9</b>	<b>2884.3</b>	<b>4060.5</b>	<b>4434.4</b>	<b>4939.0</b>	<b>5427.7</b>
-2.5°	909.5	1112.8	1352.8	1635.4	1849.1	1936.4	2907.3	4087.5	4471.6	5053.7	5691.5
-5°	922.3	1135.7	1392.1	1666.2	1877.8	1971.9	2890.9	4062.3	4516.1	5159.5	5859.2
-7.5°	930.4	1152.3	1422.4	1689.1	1901.7	2011.9	2841.6	4033.4	4655.3	5292.4	5943.6
-10°	934.1	1160.8	1427.0	1697.8	1920.9	2052.0	2757.3	3935.5	4755.9	5343.1	5950.6
-12.5°	937.4	1162.6	1421.4	1696.3	1932.8	2088.6	2651.3	3817.9	4848.7	5362.1	5907.5
-15°	934.5	1159.0	1408.8	1685.7	1948.1	2135.0	2515.8	3599.8	4890.0	5342.1	5826.5
-17.5°	925.0	1150.2	1391.5	1672.1	1957.8	2178.1	2338.1	3263.7	4667.7	5280.5	5764.9
-20°	908.9	1134.1	1366.8	1646.0	1952.5	2196.8	2333.6	3017.8	4202.0	5159.3	5673.3



REPORT NUMBER: P1306408 (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°	887.7	1111.2	1337.2	1611.5	1921.7	2189.1	2366.2	2746.7	3674.1	4981.8	5535.3
-25°	862.8	1082.3	1306.8	1574.2	1878.9	2174.5	2384.1	2497.0	3237.9	4380.2	5316.0
-27.5°	834.0	1047.8	1272.2	1524.5	1822.9	2130.7	2355.0	2503.9	2883.2	3692.4	4982.9
-30°	800.1	1008.0	1227.5	1466.8	1754.3	2048.1	2305.2	2494.8	2605.7	3223.0	4260.5
-32.5°	761.6	962.2	1176.5	1411.5	1676.9	1959.2	2231.1	2436.2	2588.1	2790.2	3580.4
-35°	724.9	915.4	1120.0	1349.2	1593.8	1859.1	2114.2	2356.2	2546.7	2676.9	2998.1
-37.5°	692.5	864.3	1060.9	1281.6	1517.1	1744.1	1987.9	2237.3	2455.6	2635.7	2749.4
-40°	655.5	809.3	999.9	1208.6	1418.4	1628.0	1855.6	2093.8	2334.3	2532.0	2705.4
-42.5°	613.9	762.9	933.6	1123.5	1316.3	1514.3	1717.0	1942.5	2169.3	2394.7	2577.5
-45°	567.9	711.2	862.9	1033.5	1208.4	1395.2	1587.3	1782.2	1996.7	2209.4	2409.4
-47.5°	516.0	653.7	798.3	937.7	1100.0	1271.4	1450.8	1634.7	1818.2	2013.6	2206.8
-50°	461.9	589.8	723.2	850.8	989.7	1145.6	1310.3	1481.5	1654.7	1818.5	1988.5
-52.5°	411.8	520.1	642.1	764.6	886.4	1019.0	1167.8	1322.5	1482.7	1642.3	1786.0
-55°	357.7	455.0	556.5	672.0	788.5	903.2	1024.0	1163.9	1300.0	1446.8	1588.0
-57.5°	317.2	388.8	477.8	573.8	682.9	793.9	900.8	1006.2	1124.8	1247.5	1372.1
-60°	285.0	335.2	403.2	485.0	570.9	673.4	778.5	875.8	965.3	1056.7	1169.6
-62.5°	255.1	296.4	343.7	400.6	475.3	551.4	641.9	734.6	821.7	905.3	989.3
-65°	240.6	262.3	298.0	340.5	383.2	448.1	517.4	588.4	668.2	744.9	823.0
-67.5°	225.4	245.9	265.7	288.9	327.3	365.2	402.6	465.1	527.6	584.0	640.8
-70°	213.7	229.7	247.6	264.8	282.2	304.5	338.6	373.5	407.3	444.8	492.4
-72.5°	202.1	216.5	230.9	244.9	260.6	276.6	292.9	310.0	334.8	363.7	389.8
-75°	190.3	202.9	215.5	228.1	241.1	254.3	268.1	283.2	298.6	314.1	328.0
-77.5°	178.3	190.1	200.9	211.5	222.6	234.4	246.7	259.0	271.6	284.5	295.3
-80°	166.1	177.1	186.6	195.9	205.4	215.2	225.7	236.3	246.9	257.7	267.2
-82.5°	153.6	163.0	171.5	179.8	188.0	196.2	205.3	214.5	223.8	233.0	241.0
-85°	141.5	148.7	156.0	163.2	170.4	177.5	185.6	193.8	201.5	209.3	216.1
-87.5°	132.5	139.2	145.3	151.3	157.0	162.7	169.8	176.7	182.8	188.9	194.5
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.7	1.1	1.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	185.2	188.7	192.1	194.9	197.7	201.7	205.7	211.4	217.1	223.9	230.7
87.5°	2.1	2.1	2.1	1.6	1.1	1.1	1.1	1.1	1.1	1.7	2.3
85°	2.3	2.3	2.3	2.6	3.0	3.0	3.1	3.2	3.2	3.3	3.4
82.5°	2.8	2.9	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.9	4.4
80°	3.7	3.8	3.9	4.0	4.1	3.8	3.4	3.4	3.4	3.9	4.5
77.5°	4.6	4.7	4.5	4.3	4.0	3.7	3.4	3.4	3.4	3.5	3.5
75°	5.6	5.7	6.0	6.4	6.9	7.0	6.6	6.7	7.0	6.9	6.6
72.5°	12.5	12.9	12.9	14.4	15.8	16.3	16.7	17.8	19.1	20.8	22.8
70°	24.4	26.9	28.0	28.0	26.9	26.2	25.7	25.5	26.0	27.2	28.7
67.5°	35.2	36.3	35.8	35.3	33.2	30.7	27.8	26.3	26.9	28.2	30.0
65°	39.8	36.7	34.4	33.6	31.6	28.5	24.1	21.1	20.5	20.0	19.9
62.5°	35.8	30.2	27.5	26.0	23.2	20.6	16.6	13.4	12.3	11.5	11.4
60°	31.2	24.2	19.9	17.9	15.0	11.6	9.6	7.3	6.6	6.1	6.2
57.5°	27.1	20.1	15.1	14.2	11.5	9.1	7.3	5.4	4.8	4.5	4.7
55°	27.9	24.4	20.4	18.3	15.2	13.8	12.2	11.0	10.0	10.2	10.9
52.5°	39.4	42.4	37.3	36.0	44.7	44.9	37.1	49.1	56.5	62.1	63.6
50°	101.7	101.1	134.3	128.7	159.3	184.5	185.5	200.8	229.8	249.7	260.5
47.5°	270.2	300.6	339.3	380.0	411.8	451.5	491.7	521.7	529.0	529.8	535.1
45°	508.7	552.1	610.3	653.1	713.3	750.3	781.1	809.0	873.5	932.7	1001.7
42.5°	710.4	757.7	818.2	905.0	968.3	1137.5	1396.4	1460.0	1469.2	1521.9	1598.5
40°	869.6	931.7	1065.9	1256.1	1661.6	2025.2	2090.8	2145.4	2169.5	2140.3	2192.3
37.5°	1062.4	1207.8	1509.9	2030.3	2222.5	2321.5	2391.2	2433.0	2483.8	2530.8	2556.3
35°	1382.4	1787.7	2052.4	2330.4	2456.1	2506.2	2557.4	2608.9	2648.9	2700.9	2742.4
32.5°	2039.3	2490.5	2517.1	2585.7	2651.3	2716.5	2764.2	2813.4	2855.9	2923.3	3064.6
30°	2701.0	2799.4	2823.5	2829.7	2889.4	2967.6	3009.1	3108.2	3242.0	3395.4	3721.9
27.5°	3053.3	3120.9	3135.0	3141.8	3169.6	3262.1	3433.6	3568.9	3890.0	4279.7	5118.8
25°	3482.2	3530.4	3581.4	3579.2	3621.5	3785.4	4120.7	4406.3	5491.0	6506.1	8693.1
22.5°	3891.5	4037.0	4109.6	4206.8	4350.4	4648.6	5236.8	6889.2	9652.0	13177.6	17566.8
20°	4175.8	4371.7	4566.9	4838.1	5185.2	5804.0	7641.7	12586.3	18491.3	27059.5	34246.1
17.5°	4462.7	4684.0	5029.2	5447.6	6030.6	8108.3	13496.0	21891.7	34018.0	49229.5	62576.0
15°	4836.9	5099.4	5561.6	6159.0	7787.9	12223.1	21210.6	36487.4	54921.7	76304.7	98735.4
12.5°	5091.6	5453.4	6002.9	6774.4	9448.1	17754.7	32225.5	53168.2	78540.0	105483.3	141238.2
10°	5279.8	5712.5	6458.9	8058.4	12906.5	23860.5	41249.8	67386.0	102170.0	143233.5	184111.9
7.5°	5437.9	6020.6	6957.6	8973.2	15890.5	29700.7	51866.7	83634.0	124789.4	174268.9	221807.1
5°	5580.0	6352.5	7437.6	9959.2	18564.1	33929.2	58927.1	95768.3	143426.7	197466.5	249951.9
2.5°	5767.9	6663.2	7748.9	10230.5	19634.3	36272.2	64521.6	105566.6	156733.5	213579.7	270684.0
0°	6028.8	6865.3	7939.2	10404.1	19301.4	37740.2	67950.3	110484.0	162564.9	220347.4	280240.3
-2.5°	6234.0	6981.7	8050.1	10264.2	19138.6	37049.8	66402.9	107617.6	156855.8	212690.4	272434.4
-5°	6366.6	7065.2	8098.7	10316.6	18728.0	34411.0	61832.5	100107.2	145229.7	195631.2	250876.4
-7.5°	6444.2	7095.7	8048.3	9987.6	16862.6	30816.1	53697.4	86264.0	126742.5	173381.2	219037.7
-10°	6490.7	7075.9	7942.8	9522.2	14183.8	25043.6	42392.9	69993.8	105066.2	142647.2	179992.5
-12.5°	6508.1	7034.1	7794.2	8855.7	11372.1	19606.1	33746.3	53334.8	79369.3	110197.1	143104.5
-15°	6474.0	6973.4	7650.7	8569.7	10243.9	14697.7	23547.6	36870.1	56275.3	79812.3	103658.6
-17.5°	6346.8	6910.7	7437.9	8143.5	9129.0	11229.4	16615.7	25166.8	37000.6	52558.3	66316.3
-20°	6178.4	6792.4	7243.8	7867.4	8641.2	9602.5	11329.9	16548.7	23184.2	32191.1	41170.6



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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°	6028.4	6590.2	7157.7	7585.8	8191.8	8823.7	9603.7	11096.6	14430.9	18927.6	24620.0
-25°	5890.0	6404.2	6986.7	7449.6	7791.4	8238.1	8726.8	9249.8	10382.5	11444.3	14190.5
-27.5°	5695.1	6227.9	6732.9	7227.1	7556.5	7759.2	8092.3	8417.3	8891.6	9313.4	10119.9
-30°	5468.5	5989.7	6470.3	6919.2	7256.7	7469.9	7635.1	7858.6	8109.6	8365.0	8711.5
-32.5°	4660.8	5709.9	6157.3	6562.6	6910.8	7161.4	7336.3	7483.1	7628.0	7791.4	7974.0
-35°	3776.0	4812.1	5821.7	6137.8	6466.8	6798.6	7057.9	7196.4	7322.5	7437.0	7548.7
-37.5°	3070.0	3801.1	4707.2	5568.4	5968.2	6303.3	6614.9	6856.9	7033.7	7141.1	7241.6
-40°	2793.8	2978.9	3675.8	4385.1	5067.0	5686.3	6003.1	6360.8	6651.6	6809.3	6918.6
-42.5°	2727.7	2812.7	2877.7	3327.1	3869.6	4391.7	4969.5	5543.0	5993.1	6293.1	6516.2
-45°	2582.9	2705.4	2802.4	2842.5	2867.0	3247.7	3695.1	4133.1	4638.5	5160.6	5634.5
-47.5°	2378.0	2537.1	2646.7	2732.5	2783.9	2800.0	2831.4	2929.6	3296.6	3682.5	4049.8
-50°	2149.3	2295.1	2426.6	2545.9	2616.9	2674.5	2729.6	2782.4	2827.2	2883.6	2934.5
-52.5°	1919.0	2052.7	2170.9	2275.6	2369.7	2460.5	2547.9	2613.2	2677.0	2745.4	2801.1
-55°	1714.0	1822.4	1921.3	2013.3	2098.2	2174.9	2253.9	2338.3	2425.6	2510.9	2577.2
-57.5°	1494.7	1598.4	1692.2	1770.1	1838.4	1895.6	1968.2	2047.2	2129.3	2205.4	2263.1
-60°	1273.6	1365.2	1451.0	1526.5	1591.4	1644.7	1711.7	1778.6	1851.8	1916.9	1968.3
-62.5°	1063.6	1140.8	1213.7	1279.7	1338.7	1392.8	1452.2	1511.9	1580.7	1641.3	1690.4
-65°	889.0	948.9	998.8	1045.6	1082.1	1128.9	1186.4	1241.5	1301.4	1353.9	1397.6
-67.5°	700.0	755.2	801.0	841.8	873.8	907.3	949.9	993.8	1040.3	1082.0	1118.7
-70°	534.8	572.0	601.6	632.1	665.0	696.9	731.0	768.6	807.6	842.0	872.2
-72.5°	412.6	431.0	448.2	473.1	495.1	517.4	538.9	565.9	594.8	620.9	644.6
-75°	340.9	352.2	365.5	377.2	387.4	399.3	411.2	428.7	447.7	465.7	482.6
-77.5°	305.8	314.1	320.7	326.2	330.9	338.1	345.8	358.8	372.8	388.0	403.2
-80°	276.1	282.4	288.0	292.8	297.1	303.1	309.2	320.6	332.6	345.5	358.2
-82.5°	248.6	253.6	258.1	262.5	266.7	271.8	276.8	286.8	297.1	307.8	318.5
-85°	222.8	227.0	230.9	234.5	238.0	242.3	246.6	255.2	263.8	272.9	281.9
-87.5°	200.1	203.9	207.7	211.0	214.2	217.9	221.7	229.2	236.8	244.4	251.9
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P1306408 (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°	231.3	231.8	232.4	233.0	232.4	231.8	231.3	230.7	223.9	217.1	211.4
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.7	1.1	1.1
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.2
82.5°	3.9	3.4	3.9	4.5	3.9	3.4	3.9	4.4	3.9	3.4	3.4
80°	4.0	3.4	3.9	4.5	3.9	3.4	4.0	4.5	3.9	3.4	3.4
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.4
75°	5.6	4.6	4.0	3.4	4.0	4.6	5.6	6.6	6.9	7.0	6.7
72.5°	23.4	23.4	23.8	23.9	23.8	23.4	23.4	22.8	20.8	19.1	17.8
70°	29.6	30.4	30.6	30.7	30.6	30.4	29.6	28.7	27.2	26.0	25.5
67.5°	30.2	29.6	29.0	28.4	29.0	29.6	30.2	30.0	28.2	26.9	26.3
65°	18.9	17.6	15.6	13.6	15.6	17.6	18.9	19.9	20.0	20.5	21.1
62.5°	11.0	10.5	10.3	10.2	10.3	10.5	11.0	11.4	11.5	12.3	13.4
60°	6.5	6.8	6.8	6.8	6.8	6.8	6.5	6.2	6.1	6.6	7.3
57.5°	4.9	5.5	6.2	6.8	6.2	5.5	4.9	4.7	4.5	4.8	5.4
55°	11.6	12.9	13.5	13.6	13.5	12.9	11.6	10.9	10.2	10.0	11.0
52.5°	61.4	58.3	55.6	53.4	55.6	58.3	61.4	63.6	62.1	56.5	49.1
50°	265.3	272.2	275.4	275.0	275.4	272.2	265.3	260.5	249.7	229.8	200.8
47.5°	546.4	550.2	547.1	538.7	547.1	550.2	546.4	535.1	529.8	529.0	521.7
45°	1086.2	1039.1	955.6	881.9	955.6	1039.1	1086.2	1001.7	932.7	873.5	809.0
42.5°	1700.4	1756.7	1798.9	1818.3	1798.9	1756.7	1700.4	1598.5	1521.9	1469.2	1460.0
40°	2133.8	2073.7	2061.5	2070.6	2061.5	2073.7	2133.8	2192.3	2140.3	2169.5	2145.4
37.5°	2562.7	2617.4	2658.0	2592.2	2658.0	2617.4	2562.7	2556.3	2530.8	2483.8	2433.0
35°	2839.1	3033.5	3261.8	3330.9	3261.8	3033.5	2839.1	2742.4	2700.9	2648.9	2608.9
32.5°	3301.2	3506.5	3595.4	3617.3	3595.4	3506.5	3301.2	3064.6	2923.3	2855.9	2813.4
30°	4036.5	4241.6	4278.5	4308.3	4278.5	4241.6	4036.5	3721.9	3395.4	3242.0	3108.2
27.5°	5675.6	6134.3	6243.2	6319.8	6243.2	6134.3	5675.6	5118.8	4279.7	3890.0	3568.9
25°	10419.6	11612.9	12392.4	12316.8	12392.4	11612.9	10419.6	8693.1	6506.1	5491.0	4406.3
22.5°	21964.5	24307.0	25556.9	25534.8	25556.9	24307.0	21964.5	17566.8	13177.6	9652.0	6889.2
20°	44484.7	51415.9	55167.6	54740.2	55167.6	51415.9	44484.7	34246.1	27059.5	18491.3	12586.3
17.5°	77567.0	90954.3	100306.9	100690.1	100306.9	90954.3	77567.0	62576.0	49229.5	34018.0	21891.7
15°	119941.7	139805.1	153827.4	153825.7	153827.4	139805.1	119941.7	98735.4	76304.7	54921.7	36487.4
12.5°	171514.1	195257.5	211301.2	213707.2	211301.2	195257.5	171514.1	141238.2	105483.3	78540.0	53168.2
10°	221010.1	247904.1	272158.8	278836.8	272158.8	247904.1	221010.1	184111.9	143233.5	102170.0	67386.0
7.5°	262904.5	305210.8	327304.4	334263.0	327304.4	305210.8	262904.5	221807.1	174268.9	124789.4	83634.0
5°	304026.3	340646.1	359195.5	364565.6	359195.5	340646.1	304026.3	249951.9	197466.5	143426.7	95768.3
2.5°	325657.8	359271.0	385342.6	400462.5	385342.6	359271.0	325657.8	270684.0	213579.7	156733.5	105566.6
0°	333796.4	365731.6	400696.1	424510.8	400696.1	365731.6	333796.4	280240.3	220347.4	162564.9	110484.0
-2.5°	325656.0	356557.2	382323.7	394868.4	382323.7	356557.2	325656.0	272434.4	212690.4	156855.8	107617.6
-5°	300979.6	337326.3	356086.4	360835.8	356086.4	337326.3	300979.6	250876.4	195631.2	145229.7	100107.2
-7.5°	261567.9	296524.3	319525.3	324706.0	319525.3	296524.3	261567.9	219037.7	173381.2	126742.5	86264.0
-10°	217691.2	247549.9	263067.1	266904.2	263067.1	247549.9	217691.2	179992.5	142647.2	105066.2	69993.8
-12.5°	169150.9	191047.9	206887.6	209037.6	206887.6	191047.9	169150.9	143104.5	110197.1	79369.3	53334.8
-15°	125906.7	140388.3	153158.4	154625.7	153158.4	140388.3	125906.7	103658.6	79812.3	56275.3	36870.1
-17.5°	84351.0	96340.5	103485.7	105547.3	103485.7	96340.5	84351.0	66316.3	52558.3	37000.6	25166.8
-20°	50540.2	59119.6	63881.3	64060.2	63881.3	59119.6	50540.2	41170.6	32191.1	23184.2	16548.7



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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°	29321.0	34094.6	36614.0	36565.1	36614.0	34094.6	29321.0	24620.0	18927.6	14430.9	11096.6
-25°	16910.0	19000.1	19834.3	19863.9	19834.3	19000.1	16910.0	14190.5	11444.3	10382.5	9249.8
-27.5°	10767.3	11247.1	11439.3	11470.1	11439.3	11247.1	10767.3	10119.9	9313.4	8891.6	8417.3
-30°	9027.5	9308.2	9437.2	9473.4	9437.2	9308.2	9027.5	8711.5	8365.0	8109.6	7858.6
-32.5°	8145.5	8300.2	8404.5	8389.2	8404.5	8300.2	8145.5	7974.0	7791.4	7628.0	7483.1
-35°	7658.0	7753.7	7812.3	7840.3	7812.3	7753.7	7658.0	7548.7	7437.0	7322.5	7196.4
-37.5°	7341.8	7427.3	7482.8	7499.4	7482.8	7427.3	7341.8	7241.6	7141.1	7033.7	6856.9
-40°	7012.7	7084.0	7129.6	7146.0	7129.6	7084.0	7012.7	6918.6	6809.3	6651.6	6360.8
-42.5°	6657.6	6734.2	6770.6	6770.9	6770.6	6734.2	6657.6	6516.2	6293.1	5993.1	5543.0
-45°	6023.4	6258.9	6376.9	6382.3	6376.9	6258.9	6023.4	5634.5	5160.6	4638.5	4133.1
-47.5°	4384.0	4616.8	4803.9	4942.4	4803.9	4616.8	4384.0	4049.8	3682.5	3296.6	2929.6
-50°	2979.1	2994.4	2995.4	2982.0	2995.4	2994.4	2979.1	2934.5	2883.6	2827.2	2782.4
-52.5°	2844.6	2860.5	2872.2	2878.6	2872.2	2860.5	2844.6	2801.1	2745.4	2677.0	2613.2
-55°	2626.2	2646.4	2654.6	2651.3	2654.6	2646.4	2626.2	2577.2	2510.9	2425.6	2338.3
-57.5°	2301.8	2315.1	2321.3	2319.5	2321.3	2315.1	2301.8	2263.1	2205.4	2129.3	2047.2
-60°	1999.8	2009.6	2015.3	2014.9	2015.3	2009.6	1999.8	1968.3	1916.9	1851.8	1778.6
-62.5°	1718.1	1726.9	1733.3	1734.2	1733.3	1726.9	1718.1	1690.4	1641.3	1580.7	1511.9
-65°	1419.6	1426.3	1430.5	1429.6	1430.5	1426.3	1419.6	1397.6	1353.9	1301.4	1241.5
-67.5°	1134.8	1139.5	1143.4	1143.3	1143.4	1139.5	1134.8	1118.7	1082.0	1040.3	993.8
-70°	881.8	882.3	884.2	883.0	884.2	882.3	881.8	872.2	842.0	807.6	768.6
-72.5°	650.0	649.4	649.1	646.6	649.1	649.4	650.0	644.6	620.9	594.8	565.9
-75°	484.2	482.5	480.9	478.4	480.9	482.5	484.2	482.6	465.7	447.7	428.7
-77.5°	404.9	404.9	402.2	398.9	402.2	404.9	404.9	403.2	388.0	372.8	358.8
-80°	358.9	358.5	357.3	355.7	357.3	358.5	358.9	358.2	345.5	332.6	320.6
-82.5°	319.5	320.1	319.8	319.3	319.8	320.1	319.5	318.5	307.8	297.1	286.8
-85°	283.0	283.9	283.5	283.0	283.5	283.9	283.0	281.9	272.9	263.8	255.2
-87.5°	252.7	253.3	253.4	253.4	253.4	253.3	252.7	251.9	244.4	236.8	229.2
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	205.7	201.7	197.7	194.9	192.1	188.7	185.2	180.1	175.0	169.9	164.8
87.5°	1.1	1.1	1.1	1.6	2.1	2.1	2.1	2.1	2.0	2.1	2.3
85°	3.1	3.0	3.0	2.6	2.3	2.3	2.3	2.6	2.9	2.8	2.8
82.5°	3.4	3.4	3.4	3.2	3.0	2.9	2.8	3.1	3.4	3.4	3.4
80°	3.4	3.8	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.5
77.5°	3.4	3.7	4.0	4.3	4.5	4.7	4.6	4.5	4.4	4.7	4.7
75°	6.6	7.0	6.9	6.4	6.0	5.7	5.6	5.4	5.3	5.5	5.7
72.5°	16.7	16.3	15.8	14.4	12.9	12.9	12.5	11.3	9.4	7.1	5.7
70°	25.7	26.2	26.9	28.0	28.0	26.9	24.4	21.5	18.4	15.2	11.7
67.5°	27.8	30.7	33.2	35.3	35.8	36.3	35.2	33.5	33.0	30.1	21.7
65°	24.1	28.5	31.6	33.6	34.4	36.7	39.8	40.2	43.6	44.1	36.1
62.5°	16.6	20.6	23.2	26.0	27.5	30.2	35.8	41.6	49.9	53.3	46.2
60°	9.6	11.6	15.0	17.9	19.9	24.2	31.2	40.4	51.4	52.7	50.9
57.5°	7.3	9.1	11.5	14.2	15.1	20.1	27.1	38.0	49.1	51.2	48.1
55°	12.2	13.8	15.2	18.3	20.4	24.4	27.9	36.9	47.7	52.1	52.5
52.5°	37.1	44.9	44.7	36.0	37.3	42.4	39.4	46.5	53.7	59.7	61.9
50°	185.5	184.5	159.3	128.7	134.3	101.1	101.7	89.8	79.8	82.7	79.5
47.5°	491.7	451.5	411.8	380.0	339.3	300.6	270.2	213.4	196.3	139.1	137.8
45°	781.1	750.3	713.3	653.1	610.3	552.1	508.7	452.0	384.4	327.1	233.1
42.5°	1396.4	1137.5	968.3	905.0	818.2	757.7	710.4	661.5	611.2	539.2	451.8
40°	2090.8	2025.2	1661.6	1256.1	1065.9	931.7	869.6	826.8	800.9	745.7	662.3
37.5°	2391.2	2321.5	2222.5	2030.3	1509.9	1207.8	1062.4	979.3	972.7	921.7	847.8
35°	2557.4	2506.2	2456.1	2330.4	2052.4	1787.7	1382.4	1188.4	1094.5	1072.5	1011.9
32.5°	2764.2	2716.5	2651.3	2585.7	2517.1	2490.5	2039.3	1564.7	1246.8	1184.7	1131.1
30°	3009.1	2967.6	2889.4	2829.7	2823.5	2799.4	2701.0	2122.8	1608.7	1282.1	1245.1
27.5°	3433.6	3262.1	3169.6	3141.8	3135.0	3120.9	3053.3	2780.8	2037.5	1554.3	1342.5
25°	4120.7	3785.4	3621.5	3579.2	3581.4	3530.4	3482.2	3257.1	2703.1	1883.6	1443.2
22.5°	5236.8	4648.6	4350.4	4206.8	4109.6	4037.0	3891.5	3681.3	3393.6	2355.8	1724.6
20°	7641.7	5804.0	5185.2	4838.1	4566.9	4371.7	4175.8	3982.6	3658.9	2929.2	2021.4
17.5°	13496.0	8108.3	6030.6	5447.6	5029.2	4684.0	4462.7	4215.6	3897.0	3383.3	2271.8
15°	21210.6	12223.1	7787.9	6159.0	5561.6	5099.4	4836.9	4521.4	4185.0	3665.4	2639.1
12.5°	32225.5	17754.7	9448.1	6774.4	6002.9	5453.4	5091.6	4832.4	4468.8	3959.8	3084.2
10°	41249.8	23860.5	12906.5	8058.4	6458.9	5712.5	5279.8	5000.4	4670.8	4229.1	3500.1
7.5°	51866.7	29700.7	15890.5	8973.2	6957.6	6020.6	5437.9	5118.8	4804.1	4334.9	3727.7
5°	58927.1	33929.2	18564.1	9959.2	7437.6	6352.5	5580.0	5204.1	4870.8	4368.4	3880.8
2.5°	64521.6	36272.2	19634.3	10230.5	7748.9	6663.2	5767.9	5310.1	4918.2	4408.8	3997.5
0°	67950.3	37740.2	19301.4	10404.1	7939.2	6865.3	6028.8	5427.7	4939.0	4434.4	4060.5
-2.5°	66402.9	37049.8	19138.6	10264.2	8050.1	6981.7	6234.0	5691.5	5053.7	4471.6	4087.5
-5°	61832.5	34411.0	18728.0	10316.6	8098.7	7065.2	6366.6	5859.2	5159.5	4516.1	4062.3
-7.5°	53697.4	30816.1	16862.6	9987.6	8048.3	7095.7	6444.2	5943.6	5292.4	4655.3	4033.4
-10°	42392.9	25043.6	14183.8	9522.2	7942.8	7075.9	6490.7	5950.6	5343.1	4755.9	3935.5
-12.5°	33746.3	19606.1	11372.1	8855.7	7794.2	7034.1	6508.1	5907.5	5362.1	4848.7	3817.9
-15°	23547.6	14697.7	10243.9	8569.7	7650.7	6973.4	6474.0	5826.5	5342.1	4890.0	3599.8
-17.5°	16615.7	11229.4	9129.0	8143.5	7437.9	6910.7	6346.8	5764.9	5280.5	4667.7	3263.7
-20°	11329.9	9602.5	8641.2	7867.4	7243.8	6792.4	6178.4	5673.3	5159.3	4202.0	3017.8



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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°	9603.7	8823.7	8191.8	7585.8	7157.7	6590.2	6028.4	5535.3	4981.8	3674.1	2746.7
-25°	8726.8	8238.1	7791.4	7449.6	6986.7	6404.2	5890.0	5316.0	4380.2	3237.9	2497.0
-27.5°	8092.3	7759.2	7556.5	7227.1	6732.9	6227.9	5695.1	4982.9	3692.4	2883.2	2503.9
-30°	7635.1	7469.9	7256.7	6919.2	6470.3	5989.7	5468.5	4260.5	3223.0	2605.7	2494.8
-32.5°	7336.3	7161.4	6910.8	6562.6	6157.3	5709.9	4660.8	3580.4	2790.2	2588.1	2436.2
-35°	7057.9	6798.6	6466.8	6137.8	5821.7	4812.1	3776.0	2998.1	2676.9	2546.7	2356.2
-37.5°	6614.9	6303.3	5968.2	5568.4	4707.2	3801.1	3070.0	2749.4	2635.7	2455.6	2237.3
-40°	6003.1	5686.3	5067.0	4385.1	3675.8	2978.9	2793.8	2705.4	2532.0	2334.3	2093.8
-42.5°	4969.5	4391.7	3869.6	3327.1	2877.7	2812.7	2727.7	2577.5	2394.7	2169.3	1942.5
-45°	3695.1	3247.7	2867.0	2842.5	2802.4	2705.4	2582.9	2409.4	2209.4	1996.7	1782.2
-47.5°	2831.4	2800.0	2783.9	2732.5	2646.7	2537.1	2378.0	2206.8	2013.6	1818.2	1634.7
-50°	2729.6	2674.5	2616.9	2545.9	2426.6	2295.1	2149.3	1988.5	1818.5	1654.7	1481.5
-52.5°	2547.9	2460.5	2369.7	2275.6	2170.9	2052.7	1919.0	1786.0	1642.3	1482.7	1322.5
-55°	2253.9	2174.9	2098.2	2013.3	1921.3	1822.4	1714.0	1588.0	1446.8	1300.0	1163.9
-57.5°	1968.2	1895.6	1838.4	1770.1	1692.2	1598.4	1494.7	1372.1	1247.5	1124.8	1006.2
-60°	1711.7	1644.7	1591.4	1526.5	1451.0	1365.2	1273.6	1169.6	1056.7	965.3	875.8
-62.5°	1452.2	1392.8	1338.7	1279.7	1213.7	1140.8	1063.6	989.3	905.3	821.7	734.6
-65°	1186.4	1128.9	1082.1	1045.6	998.8	948.9	889.0	823.0	744.9	668.2	588.4
-67.5°	949.9	907.3	873.8	841.8	801.0	755.2	700.0	640.8	584.0	527.6	465.1
-70°	731.0	696.9	665.0	632.1	601.6	572.0	534.8	492.4	444.8	407.3	373.5
-72.5°	538.9	517.4	495.1	473.1	448.2	431.0	412.6	389.8	363.7	334.8	310.0
-75°	411.2	399.3	387.4	377.2	365.5	352.2	340.9	328.0	314.1	298.6	283.2
-77.5°	345.8	338.1	330.9	326.2	320.7	314.1	305.8	295.3	284.5	271.6	259.0
-80°	309.2	303.1	297.1	292.8	288.0	282.4	276.1	267.2	257.7	246.9	236.3
-82.5°	276.8	271.8	266.7	262.5	258.1	253.6	248.6	241.0	233.0	223.8	214.5
-85°	246.6	242.3	238.0	234.5	230.9	227.0	222.8	216.1	209.3	201.5	193.8
-87.5°	221.7	217.9	214.2	211.0	207.7	203.9	200.1	194.5	188.9	182.8	176.7
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	2.3



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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°	158.0	151.1	146.0	140.9	135.3	129.6	123.4	117.1	109.1	101.1	91.5
87.5°	2.3	2.3	2.6	2.9	2.9	2.8	2.8	2.8	2.9	3.1	3.3
85°	2.7	2.6	3.0	3.4	3.4	3.4	3.3	3.2	3.6	3.8	3.8
82.5°	3.4	3.3	3.3	3.4	3.8	3.9	3.8	3.7	4.2	4.5	4.3
80°	3.8	4.0	3.9	3.8	4.1	4.5	4.3	4.2	4.6	5.0	4.9
77.5°	4.7	4.7	4.5	4.4	4.4	4.6	4.7	4.8	5.1	5.4	5.4
75°	5.7	5.3	4.7	4.7	4.8	4.7	5.1	5.4	5.8	5.9	6.0
72.5°	5.7	5.7	5.2	5.1	5.7	6.0	6.0	6.1	6.6	6.9	6.7
70°	8.6	6.7	6.3	6.5	6.9	7.3	7.5	7.6	7.5	7.9	7.9
67.5°	13.7	11.3	9.4	8.2	8.3	8.8	9.0	9.5	9.5	9.0	9.1
65°	26.5	19.1	13.4	11.8	10.5	10.4	10.7	11.5	11.6	11.4	10.4
62.5°	37.9	29.4	22.5	16.9	14.2	14.1	12.6	14.0	13.9	13.9	12.6
60°	48.2	39.4	32.6	26.8	21.6	19.0	18.0	16.7	17.0	16.6	15.3
57.5°	48.6	47.9	44.8	37.9	33.1	27.7	24.8	22.6	20.5	20.2	18.1
55°	49.4	50.0	56.0	52.0	47.0	39.8	34.7	30.5	25.6	24.3	21.1
52.5°	59.0	60.7	65.4	68.6	65.0	54.9	49.6	39.1	35.3	28.8	25.2
50°	75.7	81.7	82.3	88.1	85.2	78.5	65.7	55.1	45.8	35.1	29.7
47.5°	118.2	123.6	113.1	115.9	110.6	105.7	90.3	74.2	57.2	45.7	34.4
45°	224.8	193.3	175.2	160.1	146.4	140.7	120.0	95.4	76.7	56.9	39.3
42.5°	364.3	317.2	280.5	213.1	205.2	181.7	155.7	127.8	97.8	68.5	47.3
40°	561.1	471.1	408.8	337.0	277.8	228.2	201.7	164.3	120.2	83.2	57.8
37.5°	746.4	631.5	552.3	465.0	369.2	304.2	252.4	203.5	147.0	103.8	68.5
35°	895.4	781.3	674.0	583.9	486.9	380.4	306.8	247.3	181.4	125.2	79.4
32.5°	1030.5	909.2	787.6	686.1	580.7	454.7	370.3	290.8	216.1	147.4	90.8
30°	1150.2	1034.2	895.7	770.0	658.0	532.5	430.3	331.4	250.8	170.3	104.1
27.5°	1280.9	1163.9	1005.6	861.2	726.1	600.2	478.2	369.2	285.5	193.5	121.4
25°	1403.7	1284.7	1127.8	963.6	794.8	654.1	522.8	404.4	317.9	217.0	137.8
22.5°	1486.1	1386.6	1240.1	1071.9	870.7	706.7	566.5	442.7	339.9	238.4	153.2
20°	1552.4	1476.0	1339.2	1153.8	953.1	768.9	610.2	473.7	360.4	257.8	167.5
17.5°	1647.1	1548.3	1409.7	1222.6	1028.7	831.6	652.3	502.7	379.1	275.2	180.8
15°	1879.8	1611.6	1478.1	1287.3	1087.0	885.1	693.3	530.2	396.2	290.6	192.8
12.5°	2121.2	1673.1	1544.3	1343.4	1130.1	930.9	732.6	555.9	411.5	306.2	203.4
10°	2347.7	1726.6	1605.9	1394.6	1167.5	969.3	769.7	584.0	434.2	322.3	213.0
7.5°	2539.3	1775.4	1663.9	1440.8	1201.3	1004.0	807.1	619.0	457.2	337.0	221.5
5°	2701.1	1820.3	1720.2	1497.9	1241.3	1036.1	840.1	651.5	478.7	350.3	228.8
2.5°	2811.3	1861.0	1770.8	1551.1	1276.4	1062.7	868.3	680.9	498.4	361.9	234.9
0°	2884.3	1897.9	1813.8	1596.7	1305.8	1084.2	892.1	706.9	515.9	371.6	239.8
-2.5°	2907.3	1936.4	1849.1	1635.4	1352.8	1112.8	909.5	719.0	527.8	382.5	247.9
-5°	2890.9	1971.9	1877.8	1666.2	1392.1	1135.7	922.3	727.2	537.1	391.2	254.7
-7.5°	2841.6	2011.9	1901.7	1689.1	1422.4	1152.3	930.4	731.6	543.7	397.7	260.0
-10°	2757.3	2052.0	1920.9	1697.8	1427.0	1160.8	934.1	732.2	547.8	401.6	263.7
-12.5°	2651.3	2088.6	1932.8	1696.3	1421.4	1162.6	937.4	730.6	549.0	403.1	265.6
-15°	2515.8	2135.0	1948.1	1685.7	1408.8	1159.0	934.5	724.9	545.6	400.7	265.8
-17.5°	2338.1	2178.1	1957.8	1672.1	1391.5	1150.2	925.0	714.2	539.1	394.2	263.4
-20°	2333.6	2196.8	1952.5	1646.0	1366.8	1134.1	908.9	698.2	529.6	385.4	259.0



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2366.2	2189.1	1921.7	1611.5	1337.2	1111.2	887.7	677.3	517.0	374.2	252.9
-25°	2384.1	2174.5	1878.9	1574.2	1306.8	1082.3	862.8	655.3	501.2	360.7	245.2
-27.5°	2355.0	2130.7	1822.9	1524.5	1272.2	1047.8	834.0	639.6	486.9	345.0	236.0
-30°	2305.2	2048.1	1754.3	1466.8	1227.5	1008.0	800.1	620.6	471.1	332.2	225.2
-32.5°	2231.1	1959.2	1676.9	1411.5	1176.5	962.2	761.6	597.9	452.7	321.2	218.2
-35°	2114.2	1859.1	1593.8	1349.2	1120.0	915.4	724.9	571.5	431.8	307.4	212.1
-37.5°	1987.9	1744.1	1517.1	1281.6	1060.9	864.3	692.5	543.7	408.5	290.8	205.3
-40°	1855.6	1628.0	1418.4	1208.6	999.9	809.3	655.5	512.3	385.6	271.2	197.1
-42.5°	1717.0	1514.3	1316.3	1123.5	933.6	762.9	613.9	475.9	358.2	256.6	187.5
-45°	1587.3	1395.2	1208.4	1033.5	862.9	711.2	567.9	435.9	327.8	243.9	180.2
-47.5°	1450.8	1271.4	1100.0	937.7	798.3	653.7	516.0	398.6	295.0	229.4	177.3
-50°	1310.3	1145.6	989.7	850.8	723.2	589.8	461.9	358.4	275.5	212.3	173.8
-52.5°	1167.8	1019.0	886.4	764.6	642.1	520.1	411.8	316.8	254.5	202.9	169.6
-55°	1024.0	903.2	788.5	672.0	556.5	455.0	357.7	290.4	232.0	196.7	165.0
-57.5°	900.8	793.9	682.9	573.8	477.8	388.8	317.2	262.7	220.8	189.9	161.9
-60°	778.5	673.4	570.9	485.0	403.2	335.2	285.0	239.7	212.4	183.1	158.0
-62.5°	641.9	551.4	475.3	400.6	343.7	296.4	255.1	228.3	203.1	177.6	153.6
-65°	517.4	448.1	383.2	340.5	298.0	262.3	240.6	216.2	194.8	171.7	148.8
-67.5°	402.6	365.2	327.3	288.9	265.7	245.9	225.4	206.0	186.6	165.2	143.9
-70°	338.6	304.5	282.2	264.8	247.6	229.7	213.7	196.6	178.1	158.9	138.7
-72.5°	292.9	276.6	260.6	244.9	230.9	216.5	202.1	186.8	169.8	152.3	133.2
-75°	268.1	254.3	241.1	228.1	215.5	202.9	190.3	176.5	161.1	145.3	127.2
-77.5°	246.7	234.4	222.6	211.5	200.9	190.1	178.3	165.8	152.0	137.7	121.0
-80°	225.7	215.2	205.4	195.9	186.6	177.1	166.1	155.0	142.5	129.8	114.5
-82.5°	205.3	196.2	188.0	179.8	171.5	163.0	153.6	144.1	132.9	121.5	108.3
-85°	185.6	177.5	170.4	163.2	156.0	148.7	141.5	134.1	124.5	114.8	102.8
-87.5°	169.8	162.7	157.0	151.3	145.3	139.2	132.5	125.7	116.9	108.0	97.2
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	81.8	68.7	55.7	40.3	25.0	14.2	3.4
87.5°	3.7	3.8	3.8	3.7	3.6	3.7	3.4
85°	4.0	4.1	4.2	4.0	3.8	3.9	3.4
82.5°	4.3	4.5	4.6	4.3	4.0	4.2	3.4
80°	4.6	4.9	5.0	4.6	4.2	4.5	3.4
77.5°	5.3	5.4	5.4	4.9	4.5	4.8	3.4
75°	5.9	6.0	5.8	5.2	4.7	5.1	3.4
72.5°	6.6	6.7	6.4	5.5	5.0	5.3	3.4
70°	7.4	7.4	7.1	5.8	5.3	5.6	3.4
67.5°	8.8	8.1	7.7	6.5	5.6	5.9	3.4
65°	10.2	9.2	8.5	7.2	6.0	6.2	3.4
62.5°	11.8	10.7	9.2	7.9	6.3	6.5	3.4
60°	13.4	12.3	10.0	8.6	6.8	6.8	3.4
57.5°	15.9	13.9	11.5	9.3	7.5	7.1	3.4
55°	18.6	15.5	13.0	10.0	8.3	7.4	3.4
52.5°	21.3	17.4	14.7	10.8	9.1	7.7	3.4
50°	24.1	19.9	16.3	11.5	9.9	8.0	3.4
47.5°	27.0	22.6	18.0	12.4	10.8	8.3	3.4
45°	31.3	25.3	19.7	13.7	11.7	8.6	3.4
42.5°	35.6	28.2	21.5	15.0	12.5	9.0	3.4
40°	40.3	31.1	23.5	16.7	13.4	9.3	3.4
37.5°	45.4	34.1	25.8	18.6	14.3	9.6	3.4
35°	50.7	37.9	28.1	20.5	15.3	9.9	3.4
32.5°	57.3	42.0	30.4	22.4	16.2	10.2	3.4
30°	66.7	46.2	32.7	24.3	17.1	10.5	3.4
27.5°	76.0	50.4	35.7	26.1	18.1	10.8	3.4
25°	85.2	54.5	38.6	28.0	19.0	11.1	3.4
22.5°	94.1	58.7	41.5	29.9	19.9	11.4	3.4
20°	102.7	63.1	44.4	31.7	20.9	11.7	3.4
17.5°	110.8	67.2	47.1	33.5	21.8	12.0	3.4
15°	118.1	71.1	49.8	35.2	22.6	12.3	3.4
12.5°	125.0	74.8	52.4	36.9	23.5	12.5	3.4
10°	131.2	78.3	54.9	38.5	24.3	12.8	3.4
7.5°	136.9	81.5	57.3	40.1	25.1	13.0	3.4
5°	141.9	84.5	59.5	41.6	25.9	13.2	3.4
2.5°	146.3	87.3	61.6	43.0	26.6	13.4	3.4
0°	150.0	89.8	63.6	44.3	27.3	13.6	3.4
-2.5°	154.8	93.6	66.4	46.3	28.5	14.2	3.4
-5°	158.9	97.1	69.1	48.1	29.7	14.7	3.4
-7.5°	162.2	100.3	71.6	49.9	30.8	15.2	3.4
-10°	164.8	103.2	73.9	51.5	31.8	15.7	3.4
-12.5°	166.5	105.8	76.1	53.1	32.8	16.2	3.4
-15°	167.5	108.1	78.0	54.4	33.7	16.6	3.4
-17.5°	167.6	110.1	79.8	55.7	34.5	17.0	3.4
-20°	167.0	111.7	81.3	56.8	35.3	17.4	3.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	165.7	113.0	82.6	57.8	36.0	17.8	3.4
-25°	163.5	114.2	83.7	58.6	36.6	18.1	3.4
-27.5°	160.5	115.1	84.5	59.3	37.1	18.4	3.4
-30°	156.6	115.7	85.2	59.9	37.6	18.6	3.4
-32.5°	151.8	115.9	86.1	60.2	37.9	18.8	3.4
-35°	150.1	115.9	86.7	60.5	38.2	19.0	3.4
-37.5°	149.6	115.8	87.1	60.5	38.4	19.2	3.4
-40°	148.7	116.0	87.2	60.5	38.5	19.3	3.4
-42.5°	147.4	115.9	87.3	60.3	38.5	19.4	3.4
-45°	145.6	115.6	87.2	60.2	38.5	19.4	3.4
-47.5°	143.2	115.0	86.8	60.0	38.3	19.4	3.4
-50°	141.6	114.1	86.2	59.8	38.1	19.4	3.4
-52.5°	139.8	112.9	85.4	59.6	37.8	19.3	3.4
-55°	137.6	111.2	84.3	59.2	37.3	19.2	3.4
-57.5°	135.0	109.3	83.0	58.6	36.9	19.0	3.4
-60°	132.1	107.0	81.5	57.9	36.3	18.8	3.4
-62.5°	129.0	104.5	80.2	57.1	35.7	18.6	3.4
-65°	125.6	101.7	78.8	56.1	35.1	18.4	3.4
-67.5°	121.9	99.0	77.1	55.0	34.4	18.1	3.4
-70°	117.9	96.2	75.3	53.7	33.6	17.8	3.4
-72.5°	113.7	93.1	73.3	52.4	32.8	17.4	3.4
-75°	109.3	89.8	71.0	51.0	31.8	17.0	3.4
-77.5°	104.5	86.3	68.8	49.5	30.8	16.6	3.4
-80°	99.5	82.9	66.5	47.9	29.8	16.2	3.4
-82.5°	95.2	79.6	64.0	46.2	28.7	15.7	3.4
-85°	90.9	76.1	61.4	44.3	27.5	15.2	3.4
-87.5°	86.4	72.5	58.6	42.4	26.3	14.7	3.4
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)