

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: P1306518 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-80-3R-A**

Issue Date: 2/3/2026

**Test Information**

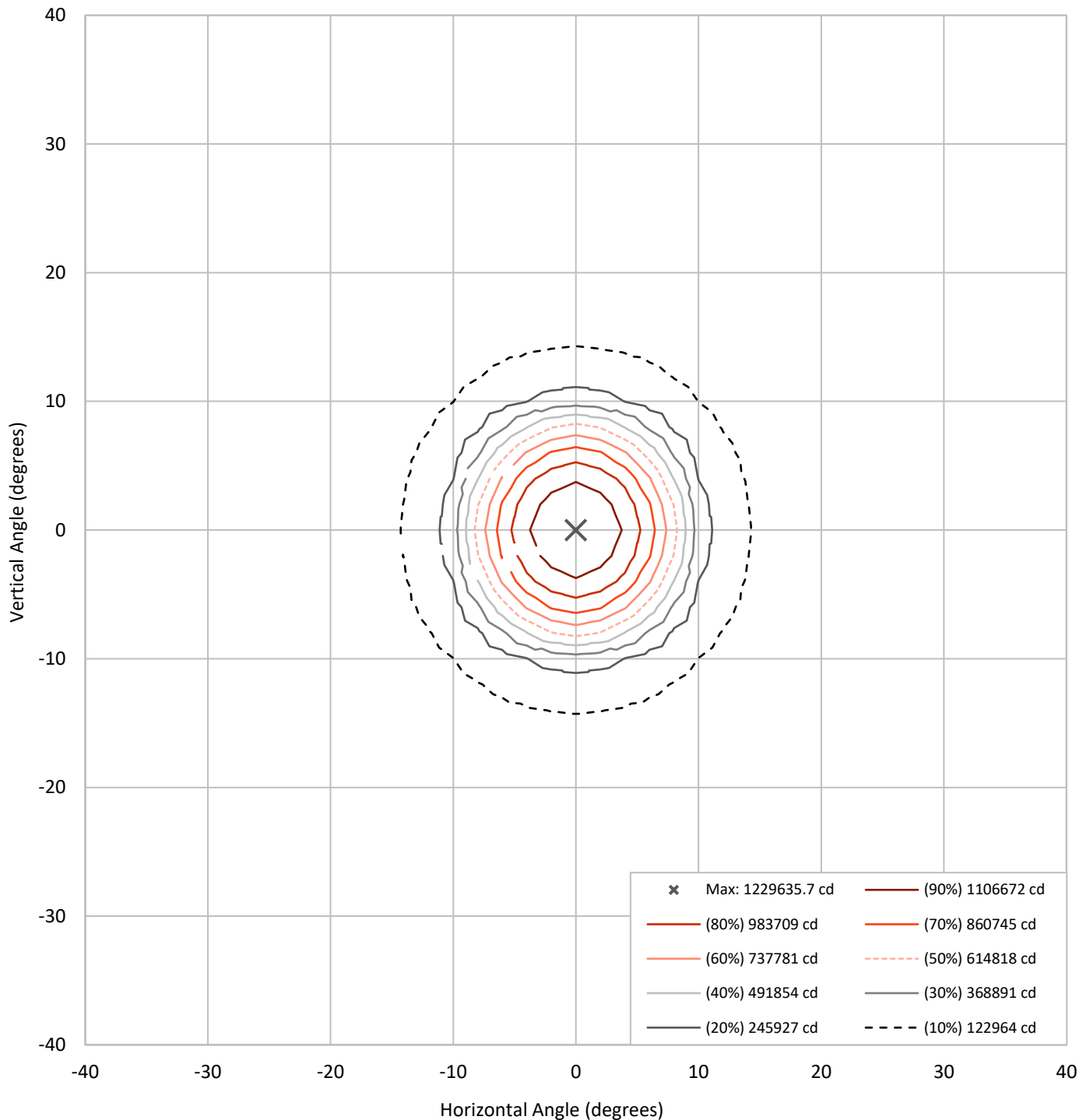
Test Method: LM-79-08  
Report Number: P1306518 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200R-40-80-3R-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 4000K, 80 CRI LEDS AND 3R BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	156133.6 lumens	Max Intensity:	1229635.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	121.0 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	16.5°H x 16.5°V	Field Angle (10%):	28.4°H x 28.4°V
Beam Lumens:	57093.1 lumens	Field Lumens:	92811.2 lumens
Beam Efficiency:	36.6%	Field Efficiency:	59.4%
Input Watts (W):	1290		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





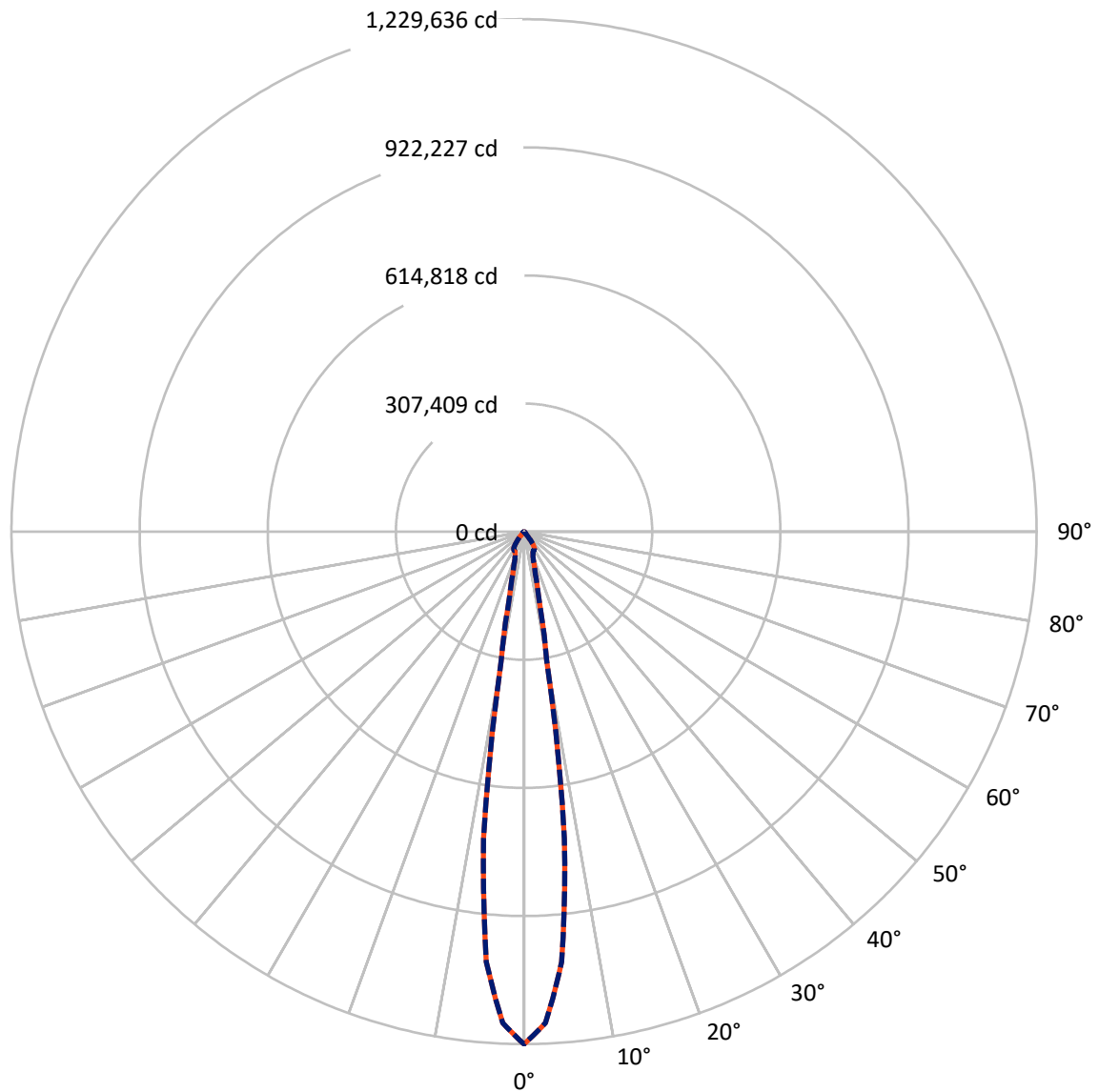
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### Lumen Table

90	0.1	0.8		1.9		3.1		3.6		3.1		1.9		0.8		0.1
80	0.1	0.8		1.9		3.1		3.6		3.1		1.9		0.8		0.1
70	0.3	0.4	0.7	1.3	2.0	2.9	3.8	4.2	4.2	3.8	2.9	2.0	1.3	0.7	0.4	0.3
60		0.6	1.3	2.7	5.2	9.6	14.2	16.9	16.9	14.2	9.6	5.2	2.7	1.3	0.6	
50	0.6	0.8	2.2	6.0	14.8	24.1	49.4	82.1	82.1	49.4	24.1	14.8	6.0	2.2	0.8	0.6
40		1.1	3.7	12.8	31.8	203.5	649.7	969.3	969.3	649.7	203.5	31.8	12.8	3.7	1.1	
30	0.8	1.4	6.2	18.9	186.0	947.8	1436.2	1593.3	1593.3	1436.2	947.8	186.0	18.9	6.2	1.4	0.8
20		1.7	8.7	37.0	559.4	1348.5	1839.1	3313.1	3313.1	1839.1	1348.5	559.4	37.0	8.7	1.7	
10	0.9	1.9	9.9	60.4	807.3	1451.3	3225.8	20052.6	20052.6	3225.8	1451.3	807.3	60.4	9.9	1.9	0.9
0		1.9	9.9	60.4	807.3	1451.3	3225.8	20052.6	20052.6	3225.8	1451.3	807.3	60.4	9.9	1.9	
-10	0.8	1.7	8.7	37.0	559.4	1348.5	1839.1	3313.1	3313.1	1839.1	1348.5	559.4	37.0	8.7	1.7	0.8
-20		1.4	6.2	18.9	186.0	947.8	1436.2	1593.3	1593.3	1436.2	947.8	186.0	18.9	6.2	1.4	
-30	0.6	1.1	3.7	12.8	31.8	203.5	649.7	969.3	969.3	649.7	203.5	31.8	12.8	3.7	1.1	0.6
-40		0.8	2.2	6.0	14.8	24.1	49.4	82.1	82.1	49.4	24.1	14.8	6.0	2.2	0.8	
-50	0.3	0.6	1.3	2.7	5.2	9.6	14.2	16.9	16.9	14.2	9.6	5.2	2.7	1.3	0.6	0.3
-60		0.4	0.7	1.3	2.0	2.9	3.8	4.2	4.2	3.8	2.9	2.0	1.3	0.7	0.4	
-70	0.1	0.8		1.9		3.1		3.6		3.1		1.9		0.8		0.1
-80		0.8		1.9		3.1		3.6		3.1		1.9		0.8		
-90	0.1	0.8		1.9		3.1		3.6		3.1		1.9		0.8		0.1

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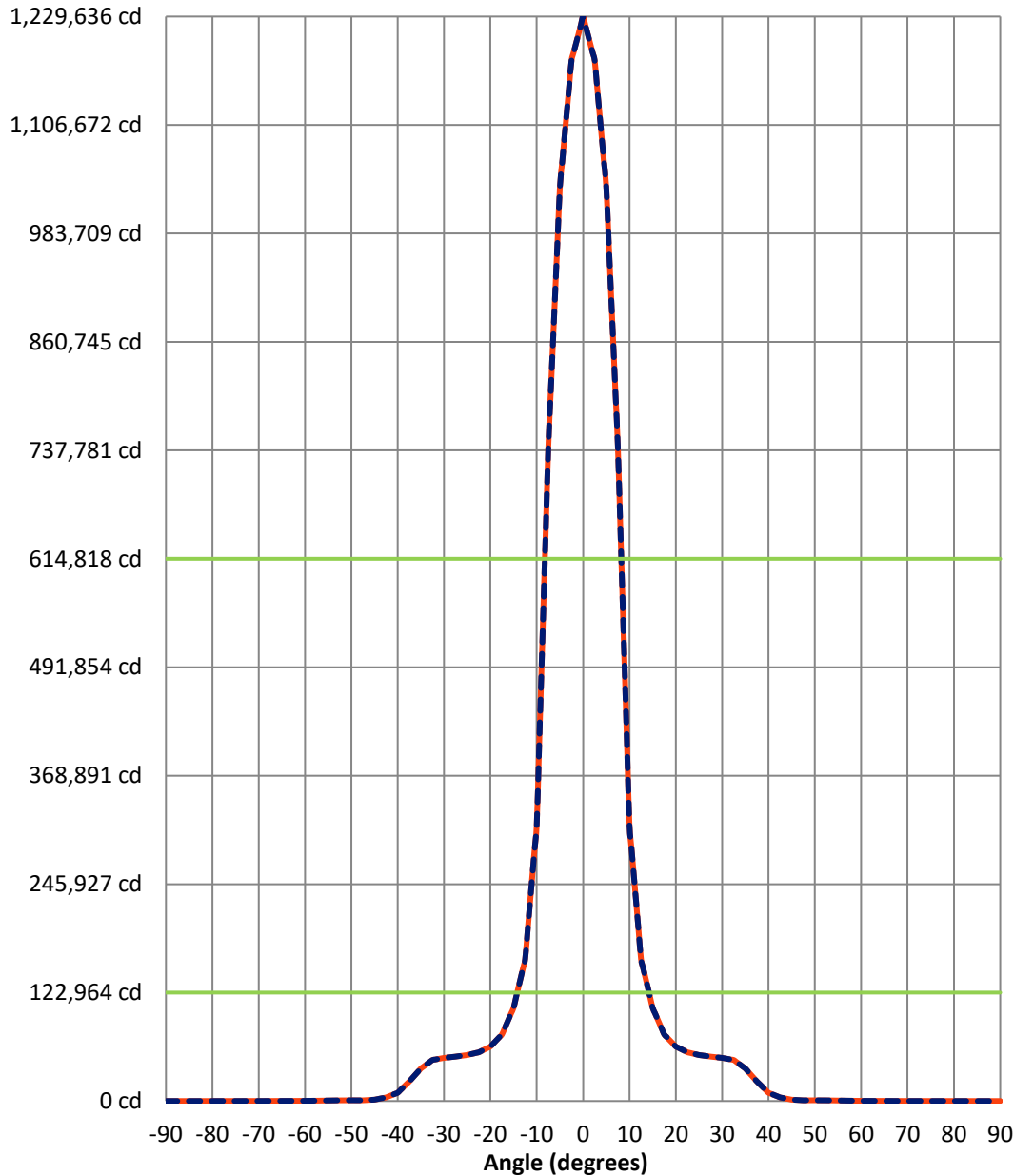
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 16.5°  
 V Angle: 16.5°  
 Lumens: 57093.1  
 Efficiency: 36.6%

**Field:**  
 H Angle: 28.4°  
 V Angle: 28.4°  
 Lumens: 92811.2  
 Efficiency: 59.4%

**Spill:**  
 Lumens: 63322.4  
 Efficiency: 40.6%

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

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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.0	3.4	3.8
85°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.1	6.8	7.5
82.5°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.0	8.9	8.9	8.9
80°	0.0	1.5	3.1	4.6	6.2	7.7	8.9	8.9	8.9	8.9	8.9
77.5°	0.0	1.9	3.8	5.8	7.7	8.9	8.9	8.9	8.9	8.9	9.8
75°	0.0	2.3	4.6	6.9	8.9	8.9	8.9	8.9	9.2	11.3	13.5
72.5°	0.0	2.7	5.3	8.0	8.9	8.9	8.9	9.6	12.1	14.6	17.1
70°	0.0	3.0	6.1	8.9	8.9	8.9	9.2	12.1	15.0	17.9	20.7
67.5°	0.0	3.4	6.8	8.9	8.9	8.9	11.3	14.6	17.9	21.1	24.2
65°	0.0	3.8	7.5	8.9	8.9	9.8	13.5	17.1	20.7	24.2	27.7
62.5°	0.0	4.1	8.2	8.9	8.9	11.5	15.5	19.5	23.4	27.3	31.2
60°	0.0	4.4	8.9	8.9	8.9	13.2	17.6	21.9	26.2	30.4	34.5
57.5°	0.0	4.8	8.9	8.9	10.2	14.9	19.6	24.2	28.8	33.3	37.8
55°	0.0	5.1	8.9	8.9	11.4	16.5	21.5	26.5	31.4	36.2	41.0
52.5°	0.0	5.4	8.9	8.9	12.7	18.1	23.4	28.7	33.9	39.1	44.2
50°	0.0	5.7	8.9	8.9	13.9	19.6	25.2	30.8	36.3	41.8	49.9
47.5°	0.0	6.0	8.9	9.1	15.1	21.0	27.0	32.8	38.7	44.4	55.8
45°	0.0	6.3	8.9	10.0	16.2	22.4	28.6	34.8	40.9	49.5	61.5
42.5°	0.0	6.6	8.9	10.8	17.3	23.8	30.3	36.7	43.1	54.4	64.7
40°	0.0	6.8	8.9	11.5	18.3	25.1	31.8	38.5	45.8	59.1	67.3
37.5°	0.0	7.1	8.9	12.3	19.3	26.3	33.3	40.2	49.8	62.9	69.8
35°	0.0	7.3	8.9	13.0	20.2	27.5	34.7	41.9	53.5	65.1	74.0
32.5°	0.0	7.5	8.9	13.6	21.1	28.5	36.0	43.4	57.1	67.1	80.7
30°	0.0	7.7	8.9	14.2	21.9	29.6	37.2	45.2	60.4	69.0	87.0
27.5°	0.0	7.9	8.9	14.8	22.6	30.5	38.3	47.8	62.9	70.7	92.8
25°	0.0	8.1	8.9	15.3	23.3	31.4	39.4	50.3	64.3	74.4	98.4
22.5°	0.0	8.2	8.9	15.8	24.0	32.2	40.4	52.5	65.6	78.8	106.6
20°	0.0	8.4	8.9	16.2	24.5	32.9	41.2	54.6	66.8	82.8	114.0
17.5°	0.0	8.5	8.9	16.6	25.0	33.5	42.0	56.4	67.8	86.3	120.6
15°	0.0	8.6	8.9	16.9	25.5	34.1	42.6	57.9	68.7	89.4	126.4
12.5°	0.0	8.7	8.9	17.2	25.8	34.5	43.2	59.3	69.5	92.0	131.3
10°	0.0	8.8	8.9	17.4	26.2	34.9	43.7	60.3	70.2	94.2	135.3
7.5°	0.0	8.8	8.9	17.6	26.4	35.2	44.0	61.2	70.7	95.8	138.4
5°	0.0	8.9	8.9	17.7	26.6	35.4	44.3	61.8	71.0	97.0	140.7
2.5°	0.0	8.9	8.9	17.8	26.7	35.6	44.4	62.2	71.2	97.8	142.0
0°	0.0	8.9	8.9	17.8	26.7	35.6	44.4	62.2	71.2	97.8	142.0
-2.5°	0.0	8.9	8.9	17.8	26.7	35.6	44.4	62.2	71.2	97.8	142.0
-5°	0.0	8.9	8.9	17.7	26.6	35.4	44.3	61.8	71.0	97.0	140.7
-7.5°	0.0	8.8	8.9	17.6	26.4	35.2	44.0	61.2	70.7	95.8	138.4
-10°	0.0	8.8	8.9	17.4	26.2	34.9	43.7	60.3	70.2	94.2	135.3
-12.5°	0.0	8.7	8.9	17.2	25.8	34.5	43.2	59.3	69.5	92.0	131.3
-15°	0.0	8.6	8.9	16.9	25.5	34.1	42.6	57.9	68.7	89.4	126.4
-17.5°	0.0	8.5	8.9	16.6	25.0	33.5	42.0	56.4	67.8	86.3	120.6
-20°	0.0	8.4	8.9	16.2	24.5	32.9	41.2	54.6	66.8	82.8	114.0



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.2	8.9	15.8	24.0	32.2	40.4	52.5	65.6	78.8	106.6
-25°	0.0	8.1	8.9	15.3	23.3	31.4	39.4	50.3	64.3	74.4	98.4
-27.5°	0.0	7.9	8.9	14.8	22.6	30.5	38.3	47.8	62.9	70.7	92.8
-30°	0.0	7.7	8.9	14.2	21.9	29.6	37.2	45.2	60.4	69.0	87.0
-32.5°	0.0	7.5	8.9	13.6	21.1	28.5	36.0	43.4	57.1	67.1	80.7
-35°	0.0	7.3	8.9	13.0	20.2	27.5	34.7	41.9	53.5	65.1	74.0
-37.5°	0.0	7.1	8.9	12.3	19.3	26.3	33.3	40.2	49.8	62.9	69.8
-40°	0.0	6.8	8.9	11.5	18.3	25.1	31.8	38.5	45.8	59.1	67.3
-42.5°	0.0	6.6	8.9	10.8	17.3	23.8	30.3	36.7	43.1	54.4	64.7
-45°	0.0	6.3	8.9	10.0	16.2	22.4	28.6	34.8	40.9	49.5	61.5
-47.5°	0.0	6.0	8.9	9.1	15.1	21.0	27.0	32.8	38.7	44.4	55.8
-50°	0.0	5.7	8.9	8.9	13.9	19.6	25.2	30.8	36.3	41.8	49.9
-52.5°	0.0	5.4	8.9	8.9	12.7	18.1	23.4	28.7	33.9	39.1	44.2
-55°	0.0	5.1	8.9	8.9	11.4	16.5	21.5	26.5	31.4	36.2	41.0
-57.5°	0.0	4.8	8.9	8.9	10.2	14.9	19.6	24.2	28.8	33.3	37.8
-60°	0.0	4.4	8.9	8.9	8.9	13.2	17.6	21.9	26.2	30.4	34.5
-62.5°	0.0	4.1	8.2	8.9	8.9	11.5	15.5	19.5	23.4	27.3	31.2
-65°	0.0	3.8	7.5	8.9	8.9	9.8	13.5	17.1	20.7	24.2	27.7
-67.5°	0.0	3.4	6.8	8.9	8.9	8.9	11.3	14.6	17.9	21.1	24.2
-70°	0.0	3.0	6.1	8.9	8.9	8.9	9.2	12.1	15.0	17.9	20.7
-72.5°	0.0	2.7	5.3	8.0	8.9	8.9	8.9	9.6	12.1	14.6	17.1
-75°	0.0	2.3	4.6	6.9	8.9	8.9	8.9	8.9	9.2	11.3	13.5
-77.5°	0.0	1.9	3.8	5.8	7.7	8.9	8.9	8.9	8.9	8.9	9.8
-80°	0.0	1.5	3.1	4.6	6.2	7.7	8.9	8.9	8.9	8.9	8.9
-82.5°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.0	8.9	8.9	8.9
-85°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.1	6.8	7.5
-87.5°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.8	7.1
85°	8.2	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82.5°	8.9	8.9	8.9	8.9	8.9	8.9	9.1	10.0	10.8	11.5	12.3
80°	8.9	8.9	10.2	11.4	12.7	13.9	15.1	16.2	17.3	18.3	19.3
77.5°	11.5	13.2	14.9	16.5	18.1	19.6	21.0	22.4	23.8	25.1	26.3
75°	15.5	17.6	19.6	21.5	23.4	25.2	27.0	28.6	30.3	31.8	33.3
72.5°	19.5	21.9	24.2	26.5	28.7	30.8	32.8	34.8	36.7	38.5	40.2
70°	23.4	26.2	28.8	31.4	33.9	36.3	38.7	40.9	43.1	45.8	49.8
67.5°	27.3	30.4	33.3	36.2	39.1	41.8	44.4	49.5	54.4	59.1	62.9
65°	31.2	34.5	37.8	41.0	44.2	49.9	55.8	61.5	64.7	67.3	69.8
62.5°	34.9	38.6	42.2	47.0	53.9	60.6	64.7	67.9	71.0	78.9	87.2
60°	38.6	42.6	48.7	56.4	63.1	66.8	70.4	78.8	88.7	98.4	113.5
57.5°	42.2	48.7	57.2	63.9	68.0	73.5	85.0	96.2	112.9	130.1	145.0
55°	47.0	56.4	63.9	68.4	76.0	88.8	103.3	123.4	142.7	153.9	164.6
52.5°	53.9	63.1	68.0	76.0	90.0	107.5	129.8	147.8	160.3	177.7	208.5
50°	60.6	66.8	73.5	88.8	107.5	131.9	150.4	164.2	191.7	226.2	278.2
47.5°	64.7	70.4	85.0	103.3	129.8	150.4	165.5	198.8	236.9	307.0	377.9
45°	67.9	78.8	96.2	123.4	147.8	164.2	198.8	240.5	321.5	407.4	516.0
42.5°	71.0	88.7	112.9	142.7	160.3	191.7	236.9	321.5	418.0	537.6	644.6
40°	78.9	98.4	130.1	153.9	177.7	226.2	307.0	407.4	537.6	654.2	760.8
37.5°	87.2	113.5	145.0	164.6	208.5	278.2	377.9	516.0	644.6	760.8	808.9
35°	95.1	127.9	154.4	184.2	238.0	341.5	473.2	616.0	741.2	804.9	833.4
32.5°	105.5	141.5	163.3	210.0	291.4	409.9	566.1	702.6	793.0	835.4	823.0
30°	117.1	149.5	175.8	234.3	344.0	491.6	645.4	773.4	828.1	826.1	1088.2
27.5°	127.9	156.7	196.7	273.7	397.9	568.3	717.3	804.3	831.2	910.3	1485.5
25°	137.9	163.3	216.0	315.8	463.7	632.8	773.3	833.1	823.5	1259.1	2566.8
22.5°	145.2	169.6	233.7	354.5	524.2	689.8	797.9	831.6	949.3	1619.7	3758.6
20°	150.1	184.2	259.0	392.4	579.1	741.7	820.4	825.5	1224.4	2636.5	5612.4
17.5°	154.5	197.2	287.6	437.4	622.9	774.8	836.4	820.1	1472.0	3553.9	7645.5
15°	158.4	208.5	312.6	476.7	660.3	791.1	832.0	992.8	1988.8	4609.6	9522.6
12.5°	161.7	218.2	333.9	510.3	692.2	805.0	828.2	1165.8	2632.7	6043.7	13310.7
10°	164.4	226.2	351.5	538.1	718.6	816.5	825.0	1309.0	3166.7	7235.3	16465.3
7.5°	166.5	232.4	365.2	559.7	739.3	825.5	822.6	1421.5	3586.6	8173.9	18954.8
5°	168.0	236.9	375.1	575.3	754.1	832.0	820.8	1502.5	3889.1	8850.9	20753.1
2.5°	168.9	239.6	381.0	584.7	763.0	835.9	819.8	1551.3	4071.7	9259.8	21840.3
0°	169.2	240.5	383.0	587.8	766.0	837.2	819.4	1567.6	4132.7	9396.5	22204.1
-2.5°	168.9	239.6	381.0	584.7	763.0	835.9	819.8	1551.3	4071.7	9259.8	21840.3
-5°	168.0	236.9	375.1	575.3	754.1	832.0	820.8	1502.5	3889.1	8850.9	20753.1
-7.5°	166.5	232.4	365.2	559.7	739.3	825.5	822.6	1421.5	3586.6	8173.9	18954.8
-10°	164.4	226.2	351.5	538.1	718.6	816.5	825.0	1309.0	3166.7	7235.3	16465.3
-12.5°	161.7	218.2	333.9	510.3	692.2	805.0	828.2	1165.8	2632.7	6043.7	13310.7
-15°	158.4	208.5	312.6	476.7	660.3	791.1	832.0	992.8	1988.8	4609.6	9522.6
-17.5°	154.5	197.2	287.6	437.4	622.9	774.8	836.4	820.1	1472.0	3553.9	7645.5
-20°	150.1	184.2	259.0	392.4	579.1	741.7	820.4	825.5	1224.4	2636.5	5612.4



REPORT NUMBER: P1306518 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3R-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	145.2	169.6	233.7	354.5	524.2	689.8	797.9	831.6	949.3	1619.7	3758.6
-25°	137.9	163.3	216.0	315.8	463.7	632.8	773.3	833.1	823.5	1259.1	2566.8
-27.5°	127.9	156.7	196.7	273.7	397.9	568.3	717.3	804.3	831.2	910.3	1485.5
-30°	117.1	149.5	175.8	234.3	344.0	491.6	645.4	773.4	828.1	826.1	1088.2
-32.5°	105.5	141.5	163.3	210.0	291.4	409.9	566.1	702.6	793.0	835.4	823.0
-35°	95.1	127.9	154.4	184.2	238.0	341.5	473.2	616.0	741.2	804.9	833.4
-37.5°	87.2	113.5	145.0	164.6	208.5	278.2	377.9	516.0	644.6	760.8	808.9
-40°	78.9	98.4	130.1	153.9	177.7	226.2	307.0	407.4	537.6	654.2	760.8
-42.5°	71.0	88.7	112.9	142.7	160.3	191.7	236.9	321.5	418.0	537.6	644.6
-45°	67.9	78.8	96.2	123.4	147.8	164.2	198.8	240.5	321.5	407.4	516.0
-47.5°	64.7	70.4	85.0	103.3	129.8	150.4	165.5	198.8	236.9	307.0	377.9
-50°	60.6	66.8	73.5	88.8	107.5	131.9	150.4	164.2	191.7	226.2	278.2
-52.5°	53.9	63.1	68.0	76.0	90.0	107.5	129.8	147.8	160.3	177.7	208.5
-55°	47.0	56.4	63.9	68.4	76.0	88.8	103.3	123.4	142.7	153.9	164.6
-57.5°	42.2	48.7	57.2	63.9	68.0	73.5	85.0	96.2	112.9	130.1	145.0
-60°	38.6	42.6	48.7	56.4	63.1	66.8	70.4	78.8	88.7	98.4	113.5
-62.5°	34.9	38.6	42.2	47.0	53.9	60.6	64.7	67.9	71.0	78.9	87.2
-65°	31.2	34.5	37.8	41.0	44.2	49.9	55.8	61.5	64.7	67.3	69.8
-67.5°	27.3	30.4	33.3	36.2	39.1	41.8	44.4	49.5	54.4	59.1	62.9
-70°	23.4	26.2	28.8	31.4	33.9	36.3	38.7	40.9	43.1	45.8	49.8
-72.5°	19.5	21.9	24.2	26.5	28.7	30.8	32.8	34.8	36.7	38.5	40.2
-75°	15.5	17.6	19.6	21.5	23.4	25.2	27.0	28.6	30.3	31.8	33.3
-77.5°	11.5	13.2	14.9	16.5	18.1	19.6	21.0	22.4	23.8	25.1	26.3
-80°	8.9	8.9	10.2	11.4	12.7	13.9	15.1	16.2	17.3	18.3	19.3
-82.5°	8.9	8.9	8.9	8.9	8.9	8.9	9.1	10.0	10.8	11.5	12.3
-85°	8.2	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-87.5°	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.8	7.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306518 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3R-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.6	8.7	8.8
85°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82.5°	13.0	13.6	14.2	14.8	15.3	15.8	16.2	16.6	16.9	17.2	17.4
80°	20.2	21.1	21.9	22.6	23.3	24.0	24.5	25.0	25.5	25.8	26.2
77.5°	27.5	28.5	29.6	30.5	31.4	32.2	32.9	33.5	34.1	34.5	34.9
75°	34.7	36.0	37.2	38.3	39.4	40.4	41.2	42.0	42.6	43.2	43.7
72.5°	41.9	43.4	45.2	47.8	50.3	52.5	54.6	56.4	57.9	59.3	60.3
70°	53.5	57.1	60.4	62.9	64.3	65.6	66.8	67.8	68.7	69.5	70.2
67.5°	65.1	67.1	69.0	70.7	74.4	78.8	82.8	86.3	89.4	92.0	94.2
65°	74.0	80.7	87.0	92.8	98.4	106.6	114.0	120.6	126.4	131.3	135.3
62.5°	95.1	105.5	117.1	127.9	137.9	145.2	150.1	154.5	158.4	161.7	164.4
60°	127.9	141.5	149.5	156.7	163.3	169.6	184.2	197.2	208.5	218.2	226.2
57.5°	154.4	163.3	175.8	196.7	216.0	233.7	259.0	287.6	312.6	333.9	351.5
55°	184.2	210.0	234.3	273.7	315.8	354.5	392.4	437.4	476.7	510.3	538.1
52.5°	238.0	291.4	344.0	397.9	463.7	524.2	579.1	622.9	660.3	692.2	718.6
50°	341.5	409.9	491.6	568.3	632.8	689.8	741.7	774.8	791.1	805.0	816.5
47.5°	473.2	566.1	645.4	717.3	773.3	797.9	820.4	836.4	832.0	828.2	825.0
45°	616.0	702.6	773.4	804.3	833.1	831.6	825.5	820.1	992.8	1165.8	1309.0
42.5°	741.2	793.0	828.1	831.2	823.5	949.3	1224.4	1472.0	1988.8	2632.7	3166.7
40°	804.9	835.4	826.1	910.3	1259.1	1619.7	2636.5	3553.9	4609.6	6043.7	7235.3
37.5°	833.4	823.0	1088.2	1485.5	2566.8	3758.6	5612.4	7645.5	9522.6	13310.7	16465.3
35°	821.9	1178.1	1759.1	3211.2	5052.0	7675.7	11095.0	16436.5	21187.5	25750.7	29683.6
32.5°	1178.1	1918.0	3537.4	6082.1	9083.1	15475.8	21806.8	28350.7	34243.9	38519.4	41357.9
30°	1759.1	3537.4	6428.5	10370.9	18157.4	25956.9	33748.5	39519.0	43747.2	46776.3	47531.4
27.5°	3211.2	6082.1	10370.9	19060.5	28095.3	36995.9	42535.7	46823.0	47939.9	48919.5	49439.6
25°	5052.0	9083.1	18157.4	28095.3	37735.6	44073.3	47405.5	48744.4	49571.7	50242.7	50896.9
22.5°	7675.7	15475.8	25956.9	36995.9	44073.3	47602.5	49069.3	49975.2	50884.3	51770.1	52780.0
20°	11095.0	21806.8	33748.5	42535.7	47405.5	49069.3	50112.1	51231.1	52412.7	54096.2	55869.3
17.5°	16436.5	28350.7	39519.0	46823.0	48744.4	49975.2	51231.1	52734.5	54778.6	58160.2	61591.1
15°	21187.5	34243.9	43747.2	47939.9	49571.7	50884.3	52412.7	54778.6	58946.0	64909.3	72986.9
12.5°	25750.7	38519.4	46776.3	48919.5	50242.7	51770.1	54096.2	58160.2	64909.3	74948.8	94183.0
10°	29683.6	41357.9	47531.4	49439.6	50896.9	52780.0	55869.3	61591.1	72986.9	94183.0	122183.7
7.5°	32794.4	43609.3	48132.4	49854.0	51448.9	53841.2	58383.6	67329.0	84824.0	114092.6	161584.7
5°	35045.5	45242.1	48569.4	50156.4	51853.4	54623.6	60251.5	71805.6	96174.5	136493.4	215124.3
2.5°	36408.1	46232.0	48834.9	50340.6	52100.6	55103.6	61404.1	74590.5	103321.0	153910.7	286242.7
0°	36864.4	46563.7	48923.9	50402.4	52183.7	55265.4	61794.0	75536.8	105765.8	160924.4	313859.5
-2.5°	36408.1	46232.0	48834.9	50340.6	52100.6	55103.6	61404.1	74590.5	103321.0	153910.7	286242.7
-5°	35045.5	45242.1	48569.4	50156.4	51853.4	54623.6	60251.5	71805.6	96174.5	136493.4	215124.3
-7.5°	32794.4	43609.3	48132.4	49854.0	51448.9	53841.2	58383.6	67329.0	84824.0	114092.6	161584.7
-10°	29683.6	41357.9	47531.4	49439.6	50896.9	52780.0	55869.3	61591.1	72986.9	94183.0	122183.7
-12.5°	25750.7	38519.4	46776.3	48919.5	50242.7	51770.1	54096.2	58160.2	64909.3	74948.8	94183.0
-15°	21187.5	34243.9	43747.2	47939.9	49571.7	50884.3	52412.7	54778.6	58946.0	64909.3	72986.9
-17.5°	16436.5	28350.7	39519.0	46823.0	48744.4	49975.2	51231.1	52734.5	54778.6	58160.2	61591.1
-20°	11095.0	21806.8	33748.5	42535.7	47405.5	49069.3	50112.1	51231.1	52412.7	54096.2	55869.3



REPORT NUMBER: P1306518 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3R-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7675.7	15475.8	25956.9	36995.9	44073.3	47602.5	49069.3	49975.2	50884.3	51770.1	52780.0
-25°	5052.0	9083.1	18157.4	28095.3	37735.6	44073.3	47405.5	48744.4	49571.7	50242.7	50896.9
-27.5°	3211.2	6082.1	10370.9	19060.5	28095.3	36995.9	42535.7	46823.0	47939.9	48919.5	49439.6
-30°	1759.1	3537.4	6428.5	10370.9	18157.4	25956.9	33748.5	39519.0	43747.2	46776.3	47531.4
-32.5°	1178.1	1918.0	3537.4	6082.1	9083.1	15475.8	21806.8	28350.7	34243.9	38519.4	41357.9
-35°	821.9	1178.1	1759.1	3211.2	5052.0	7675.7	11095.0	16436.5	21187.5	25750.7	29683.6
-37.5°	833.4	823.0	1088.2	1485.5	2566.8	3758.6	5612.4	7645.5	9522.6	13310.7	16465.3
-40°	804.9	835.4	826.1	910.3	1259.1	1619.7	2636.5	3553.9	4609.6	6043.7	7235.3
-42.5°	741.2	793.0	828.1	831.2	823.5	949.3	1224.4	1472.0	1988.8	2632.7	3166.7
-45°	616.0	702.6	773.4	804.3	833.1	831.6	825.5	820.1	992.8	1165.8	1309.0
-47.5°	473.2	566.1	645.4	717.3	773.3	797.9	820.4	836.4	832.0	828.2	825.0
-50°	341.5	409.9	491.6	568.3	632.8	689.8	741.7	774.8	791.1	805.0	816.5
-52.5°	238.0	291.4	344.0	397.9	463.7	524.2	579.1	622.9	660.3	692.2	718.6
-55°	184.2	210.0	234.3	273.7	315.8	354.5	392.4	437.4	476.7	510.3	538.1
-57.5°	154.4	163.3	175.8	196.7	216.0	233.7	259.0	287.6	312.6	333.9	351.5
-60°	127.9	141.5	149.5	156.7	163.3	169.6	184.2	197.2	208.5	218.2	226.2
-62.5°	95.1	105.5	117.1	127.9	137.9	145.2	150.1	154.5	158.4	161.7	164.4
-65°	74.0	80.7	87.0	92.8	98.4	106.6	114.0	120.6	126.4	131.3	135.3
-67.5°	65.1	67.1	69.0	70.7	74.4	78.8	82.8	86.3	89.4	92.0	94.2
-70°	53.5	57.1	60.4	62.9	64.3	65.6	66.8	67.8	68.7	69.5	70.2
-72.5°	41.9	43.4	45.2	47.8	50.3	52.5	54.6	56.4	57.9	59.3	60.3
-75°	34.7	36.0	37.2	38.3	39.4	40.4	41.2	42.0	42.6	43.2	43.7
-77.5°	27.5	28.5	29.6	30.5	31.4	32.2	32.9	33.5	34.1	34.5	34.9
-80°	20.2	21.1	21.9	22.6	23.3	24.0	24.5	25.0	25.5	25.8	26.2
-82.5°	13.0	13.6	14.2	14.8	15.3	15.8	16.2	16.6	16.9	17.2	17.4
-85°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-87.5°	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.6	8.7	8.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306518 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3R-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
85°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82.5°	17.6	17.7	17.8	17.8	17.8	17.7	17.6	17.4	17.2	16.9	16.6
80°	26.4	26.6	26.7	26.7	26.7	26.6	26.4	26.2	25.8	25.5	25.0
77.5°	35.2	35.4	35.6	35.6	35.6	35.4	35.2	34.9	34.5	34.1	33.5
75°	44.0	44.3	44.4	44.5	44.4	44.3	44.0	43.7	43.2	42.6	42.0
72.5°	61.2	61.8	62.2	62.3	62.2	61.8	61.2	60.3	59.3	57.9	56.4
70°	70.7	71.0	71.2	71.3	71.2	71.0	70.7	70.2	69.5	68.7	67.8
67.5°	95.8	97.0	97.8	98.0	97.8	97.0	95.8	94.2	92.0	89.4	86.3
65°	138.4	140.7	142.0	142.5	142.0	140.7	138.4	135.3	131.3	126.4	120.6
62.5°	166.5	168.0	168.9	169.2	168.9	168.0	166.5	164.4	161.7	158.4	154.5
60°	232.4	236.9	239.6	240.5	239.6	236.9	232.4	226.2	218.2	208.5	197.2
57.5°	365.2	375.1	381.0	383.0	381.0	375.1	365.2	351.5	333.9	312.6	287.6
55°	559.7	575.3	584.7	587.8	584.7	575.3	559.7	538.1	510.3	476.7	437.4
52.5°	739.3	754.1	763.0	766.0	763.0	754.1	739.3	718.6	692.2	660.3	622.9
50°	825.5	832.0	835.9	837.2	835.9	832.0	825.5	816.5	805.0	791.1	774.8
47.5°	822.6	820.8	819.8	819.4	819.8	820.8	822.6	825.0	828.2	832.0	836.4
45°	1421.5	1502.5	1551.3	1567.6	1551.3	1502.5	1421.5	1309.0	1165.8	992.8	820.1
42.5°	3586.6	3889.1	4071.7	4132.7	4071.7	3889.1	3586.6	3166.7	2632.7	1988.8	1472.0
40°	8173.9	8850.9	9259.8	9396.5	9259.8	8850.9	8173.9	7235.3	6043.7	4609.6	3553.9
37.5°	18954.8	20753.1	21840.3	22204.1	21840.3	20753.1	18954.8	16465.3	13310.7	9522.6	7645.5
35°	32794.4	35045.5	36408.1	36864.4	36408.1	35045.5	32794.4	29683.6	25750.7	21187.5	16436.5
32.5°	43609.3	45242.1	46232.0	46563.7	46232.0	45242.1	43609.3	41357.9	38519.4	34243.9	28350.7
30°	48132.4	48569.4	48834.9	48923.9	48834.9	48569.4	48132.4	47531.4	46776.3	43747.2	39519.0
27.5°	49854.0	50156.4	50340.6	50402.4	50340.6	50156.4	49854.0	49439.6	48919.5	47939.9	46823.0
25°	51448.9	51853.4	52100.6	52183.7	52100.6	51853.4	51448.9	50896.9	50242.7	49571.7	48744.4
22.5°	53841.2	54623.6	55103.6	55265.4	55103.6	54623.6	53841.2	52780.0	51770.1	50884.3	49975.2
20°	58383.6	60251.5	61404.1	61794.0	61404.1	60251.5	58383.6	55869.3	54096.2	52412.7	51231.1
17.5°	67329.0	71805.6	74590.5	75536.8	74590.5	71805.6	67329.0	61591.1	58160.2	54778.6	52734.5
15°	84824.0	96174.5	103321.0	105765.8	103321.0	96174.5	84824.0	72986.9	64909.3	58946.0	54778.6
12.5°	114092.6	136493.4	153910.7	160924.4	153910.7	136493.4	114092.6	94183.0	74948.8	64909.3	58160.2
10°	161584.7	215124.3	286242.7	313859.5	286242.7	215124.3	161584.7	122183.7	94183.0	72986.9	61591.1
7.5°	260252.6	465177.7	673540.5	742440.5	673540.5	465177.7	260252.6	161584.7	114092.6	84824.0	67329.0
5°	465177.7	816462.6	984473.9	#####	984473.9	816462.6	465177.7	215124.3	136493.4	96174.5	71805.6
2.5°	673540.5	984473.9	#####	#####	#####	984473.9	673540.5	286242.7	153910.7	103321.0	74590.5
0°	742440.5	#####	#####	#####	#####	#####	742440.5	313859.5	160924.4	105765.8	75536.8
-2.5°	673540.5	984473.9	#####	#####	#####	984473.9	673540.5	286242.7	153910.7	103321.0	74590.5
-5°	465177.7	816462.6	984473.9	#####	984473.9	816462.6	465177.7	215124.3	136493.4	96174.5	71805.6
-7.5°	260252.6	465177.7	673540.5	742440.5	673540.5	465177.7	260252.6	161584.7	114092.6	84824.0	67329.0
-10°	161584.7	215124.3	286242.7	313859.5	286242.7	215124.3	161584.7	122183.7	94183.0	72986.9	61591.1
-12.5°	114092.6	136493.4	153910.7	160924.4	153910.7	136493.4	114092.6	94183.0	74948.8	64909.3	58160.2
-15°	84824.0	96174.5	103321.0	105765.8	103321.0	96174.5	84824.0	72986.9	64909.3	58946.0	54778.6
-17.5°	67329.0	71805.6	74590.5	75536.8	74590.5	71805.6	67329.0	61591.1	58160.2	54778.6	52734.5
-20°	58383.6	60251.5	61404.1	61794.0	61404.1	60251.5	58383.6	55869.3	54096.2	52412.7	51231.1



REPORT NUMBER: P1306518 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	53841.2	54623.6	55103.6	55265.4	55103.6	54623.6	53841.2	52780.0	51770.1	50884.3	49975.2
-25°	51448.9	51853.4	52100.6	52183.7	52100.6	51853.4	51448.9	50896.9	50242.7	49571.7	48744.4
-27.5°	49854.0	50156.4	50340.6	50402.4	50340.6	50156.4	49854.0	49439.6	48919.5	47939.9	46823.0
-30°	48132.4	48569.4	48834.9	48923.9	48834.9	48569.4	48132.4	47531.4	46776.3	43747.2	39519.0
-32.5°	43609.3	45242.1	46232.0	46563.7	46232.0	45242.1	43609.3	41357.9	38519.4	34243.9	28350.7
-35°	32794.4	35045.5	36408.1	36864.4	36408.1	35045.5	32794.4	29683.6	25750.7	21187.5	16436.5
-37.5°	18954.8	20753.1	21840.3	22204.1	21840.3	20753.1	18954.8	16465.3	13310.7	9522.6	7645.5
-40°	8173.9	8850.9	9259.8	9396.5	9259.8	8850.9	8173.9	7235.3	6043.7	4609.6	3553.9
-42.5°	3586.6	3889.1	4071.7	4132.7	4071.7	3889.1	3586.6	3166.7	2632.7	1988.8	1472.0
-45°	1421.5	1502.5	1551.3	1567.6	1551.3	1502.5	1421.5	1309.0	1165.8	992.8	820.1
-47.5°	822.6	820.8	819.8	819.4	819.8	820.8	822.6	825.0	828.2	832.0	836.4
-50°	825.5	832.0	835.9	837.2	835.9	832.0	825.5	816.5	805.0	791.1	774.8
-52.5°	739.3	754.1	763.0	766.0	763.0	754.1	739.3	718.6	692.2	660.3	622.9
-55°	559.7	575.3	584.7	587.8	584.7	575.3	559.7	538.1	510.3	476.7	437.4
-57.5°	365.2	375.1	381.0	383.0	381.0	375.1	365.2	351.5	333.9	312.6	287.6
-60°	232.4	236.9	239.6	240.5	239.6	236.9	232.4	226.2	218.2	208.5	197.2
-62.5°	166.5	168.0	168.9	169.2	168.9	168.0	166.5	164.4	161.7	158.4	154.5
-65°	138.4	140.7	142.0	142.5	142.0	140.7	138.4	135.3	131.3	126.4	120.6
-67.5°	95.8	97.0	97.8	98.0	97.8	97.0	95.8	94.2	92.0	89.4	86.3
-70°	70.7	71.0	71.2	71.3	71.2	71.0	70.7	70.2	69.5	68.7	67.8
-72.5°	61.2	61.8	62.2	62.3	62.2	61.8	61.2	60.3	59.3	57.9	56.4
-75°	44.0	44.3	44.4	44.5	44.4	44.3	44.0	43.7	43.2	42.6	42.0
-77.5°	35.2	35.4	35.6	35.6	35.6	35.4	35.2	34.9	34.5	34.1	33.5
-80°	26.4	26.6	26.7	26.7	26.7	26.6	26.4	26.2	25.8	25.5	25.0
-82.5°	17.6	17.7	17.8	17.8	17.8	17.7	17.6	17.4	17.2	16.9	16.6
-85°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-87.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3
85°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82.5°	16.2	15.8	15.3	14.8	14.2	13.6	13.0	12.3	11.5	10.8	10.0
80°	24.5	24.0	23.3	22.6	21.9	21.1	20.2	19.3	18.3	17.3	16.2
77.5°	32.9	32.2	31.4	30.5	29.6	28.5	27.5	26.3	25.1	23.8	22.4
75°	41.2	40.4	39.4	38.3	37.2	36.0	34.7	33.3	31.8	30.3	28.6
72.5°	54.6	52.5	50.3	47.8	45.2	43.4	41.9	40.2	38.5	36.7	34.8
70°	66.8	65.6	64.3	62.9	60.4	57.1	53.5	49.8	45.8	43.1	40.9
67.5°	82.8	78.8	74.4	70.7	69.0	67.1	65.1	62.9	59.1	54.4	49.5
65°	114.0	106.6	98.4	92.8	87.0	80.7	74.0	69.8	67.3	64.7	61.5
62.5°	150.1	145.2	137.9	127.9	117.1	105.5	95.1	87.2	78.9	71.0	67.9
60°	184.2	169.6	163.3	156.7	149.5	141.5	127.9	113.5	98.4	88.7	78.8
57.5°	259.0	233.7	216.0	196.7	175.8	163.3	154.4	145.0	130.1	112.9	96.2
55°	392.4	354.5	315.8	273.7	234.3	210.0	184.2	164.6	153.9	142.7	123.4
52.5°	579.1	524.2	463.7	397.9	344.0	291.4	238.0	208.5	177.7	160.3	147.8
50°	741.7	689.8	632.8	568.3	491.6	409.9	341.5	278.2	226.2	191.7	164.2
47.5°	820.4	797.9	773.3	717.3	645.4	566.1	473.2	377.9	307.0	236.9	198.8
45°	825.5	831.6	833.1	804.3	773.4	702.6	616.0	516.0	407.4	321.5	240.5
42.5°	1224.4	949.3	823.5	831.2	828.1	793.0	741.2	644.6	537.6	418.0	321.5
40°	2636.5	1619.7	1259.1	910.3	826.1	835.4	804.9	760.8	654.2	537.6	407.4
37.5°	5612.4	3758.6	2566.8	1485.5	1088.2	823.0	833.4	808.9	760.8	644.6	516.0
35°	11095.0	7675.7	5052.0	3211.2	1759.1	1178.1	821.9	833.4	804.9	741.2	616.0
32.5°	21806.8	15475.8	9083.1	6082.1	3537.4	1918.0	1178.1	823.0	835.4	793.0	702.6
30°	33748.5	25956.9	18157.4	10370.9	6428.5	3537.4	1759.1	1088.2	826.1	828.1	773.4
27.5°	42535.7	36995.9	28095.3	19060.5	10370.9	6082.1	3211.2	1485.5	910.3	831.2	804.3
25°	47405.5	44073.3	37735.6	28095.3	18157.4	9083.1	5052.0	2566.8	1259.1	823.5	833.1
22.5°	49069.3	47602.5	44073.3	36995.9	25956.9	15475.8	7675.7	3758.6	1619.7	949.3	831.6
20°	50112.1	49069.3	47405.5	42535.7	33748.5	21806.8	11095.0	5612.4	2636.5	1224.4	825.5
17.5°	51231.1	49975.2	48744.4	46823.0	39519.0	28350.7	16436.5	7645.5	3553.9	1472.0	820.1
15°	52412.7	50884.3	49571.7	47939.9	43747.2	34243.9	21187.5	9522.6	4609.6	1988.8	992.8
12.5°	54096.2	51770.1	50242.7	48919.5	46776.3	38519.4	25750.7	13310.7	6043.7	2632.7	1165.8
10°	55869.3	52780.0	50896.9	49439.6	47531.4	41357.9	29683.6	16465.3	7235.3	3166.7	1309.0
7.5°	58383.6	53841.2	51448.9	49854.0	48132.4	43609.3	32794.4	18954.8	8173.9	3586.6	1421.5
5°	60251.5	54623.6	51853.4	50156.4	48569.4	45242.1	35045.5	20753.1	8850.9	3889.1	1502.5
2.5°	61404.1	55103.6	52100.6	50340.6	48834.9	46232.0	36408.1	21840.3	9259.8	4071.7	1551.3
0°	<b>61794.0</b>	<b>55265.4</b>	<b>52183.7</b>	<b>50402.4</b>	<b>48923.9</b>	<b>46563.7</b>	<b>36864.4</b>	<b>22204.1</b>	<b>9396.5</b>	<b>4132.7</b>	<b>1567.6</b>
-2.5°	61404.1	55103.6	52100.6	50340.6	48834.9	46232.0	36408.1	21840.3	9259.8	4071.7	1551.3
-5°	60251.5	54623.6	51853.4	50156.4	48569.4	45242.1	35045.5	20753.1	8850.9	3889.1	1502.5
-7.5°	58383.6	53841.2	51448.9	49854.0	48132.4	43609.3	32794.4	18954.8	8173.9	3586.6	1421.5
-10°	55869.3	52780.0	50896.9	49439.6	47531.4	41357.9	29683.6	16465.3	7235.3	3166.7	1309.0
-12.5°	54096.2	51770.1	50242.7	48919.5	46776.3	38519.4	25750.7	13310.7	6043.7	2632.7	1165.8
-15°	52412.7	50884.3	49571.7	47939.9	43747.2	34243.9	21187.5	9522.6	4609.6	1988.8	992.8
-17.5°	51231.1	49975.2	48744.4	46823.0	39519.0	28350.7	16436.5	7645.5	3553.9	1472.0	820.1
-20°	50112.1	49069.3	47405.5	42535.7	33748.5	21806.8	11095.0	5612.4	2636.5	1224.4	825.5



REPORT NUMBER: P1306518 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	49069.3	47602.5	44073.3	36995.9	25956.9	15475.8	7675.7	3758.6	1619.7	949.3	831.6
-25°	47405.5	44073.3	37735.6	28095.3	18157.4	9083.1	5052.0	2566.8	1259.1	823.5	833.1
-27.5°	42535.7	36995.9	28095.3	19060.5	10370.9	6082.1	3211.2	1485.5	910.3	831.2	804.3
-30°	33748.5	25956.9	18157.4	10370.9	6428.5	3537.4	1759.1	1088.2	826.1	828.1	773.4
-32.5°	21806.8	15475.8	9083.1	6082.1	3537.4	1918.0	1178.1	823.0	835.4	793.0	702.6
-35°	11095.0	7675.7	5052.0	3211.2	1759.1	1178.1	821.9	833.4	804.9	741.2	616.0
-37.5°	5612.4	3758.6	2566.8	1485.5	1088.2	823.0	833.4	808.9	760.8	644.6	516.0
-40°	2636.5	1619.7	1259.1	910.3	826.1	835.4	804.9	760.8	654.2	537.6	407.4
-42.5°	1224.4	949.3	823.5	831.2	828.1	793.0	741.2	644.6	537.6	418.0	321.5
-45°	825.5	831.6	833.1	804.3	773.4	702.6	616.0	516.0	407.4	321.5	240.5
-47.5°	820.4	797.9	773.3	717.3	645.4	566.1	473.2	377.9	307.0	236.9	198.8
-50°	741.7	689.8	632.8	568.3	491.6	409.9	341.5	278.2	226.2	191.7	164.2
-52.5°	579.1	524.2	463.7	397.9	344.0	291.4	238.0	208.5	177.7	160.3	147.8
-55°	392.4	354.5	315.8	273.7	234.3	210.0	184.2	164.6	153.9	142.7	123.4
-57.5°	259.0	233.7	216.0	196.7	175.8	163.3	154.4	145.0	130.1	112.9	96.2
-60°	184.2	169.6	163.3	156.7	149.5	141.5	127.9	113.5	98.4	88.7	78.8
-62.5°	150.1	145.2	137.9	127.9	117.1	105.5	95.1	87.2	78.9	71.0	67.9
-65°	114.0	106.6	98.4	92.8	87.0	80.7	74.0	69.8	67.3	64.7	61.5
-67.5°	82.8	78.8	74.4	70.7	69.0	67.1	65.1	62.9	59.1	54.4	49.5
-70°	66.8	65.6	64.3	62.9	60.4	57.1	53.5	49.8	45.8	43.1	40.9
-72.5°	54.6	52.5	50.3	47.8	45.2	43.4	41.9	40.2	38.5	36.7	34.8
-75°	41.2	40.4	39.4	38.3	37.2	36.0	34.7	33.3	31.8	30.3	28.6
-77.5°	32.9	32.2	31.4	30.5	29.6	28.5	27.5	26.3	25.1	23.8	22.4
-80°	24.5	24.0	23.3	22.6	21.9	21.1	20.2	19.3	18.3	17.3	16.2
-82.5°	16.2	15.8	15.3	14.8	14.2	13.6	13.0	12.3	11.5	10.8	10.0
-85°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-87.5°	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.0	5.7	5.4	5.1	4.8	4.4	4.1	3.8	3.4	3.0	2.7
85°	8.9	8.9	8.9	8.9	8.9	8.9	8.2	7.5	6.8	6.1	5.3
82.5°	9.1	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.0
80°	15.1	13.9	12.7	11.4	10.2	8.9	8.9	8.9	8.9	8.9	8.9
77.5°	21.0	19.6	18.1	16.5	14.9	13.2	11.5	9.8	8.9	8.9	8.9
75°	27.0	25.2	23.4	21.5	19.6	17.6	15.5	13.5	11.3	9.2	8.9
72.5°	32.8	30.8	28.7	26.5	24.2	21.9	19.5	17.1	14.6	12.1	9.6
70°	38.7	36.3	33.9	31.4	28.8	26.2	23.4	20.7	17.9	15.0	12.1
67.5°	44.4	41.8	39.1	36.2	33.3	30.4	27.3	24.2	21.1	17.9	14.6
65°	55.8	49.9	44.2	41.0	37.8	34.5	31.2	27.7	24.2	20.7	17.1
62.5°	64.7	60.6	53.9	47.0	42.2	38.6	34.9	31.2	27.3	23.4	19.5
60°	70.4	66.8	63.1	56.4	48.7	42.6	38.6	34.5	30.4	26.2	21.9
57.5°	85.0	73.5	68.0	63.9	57.2	48.7	42.2	37.8	33.3	28.8	24.2
55°	103.3	88.8	76.0	68.4	63.9	56.4	47.0	41.0	36.2	31.4	26.5
52.5°	129.8	107.5	90.0	76.0	68.0	63.1	53.9	44.2	39.1	33.9	28.7
50°	150.4	131.9	107.5	88.8	73.5	66.8	60.6	49.9	41.8	36.3	30.8
47.5°	165.5	150.4	129.8	103.3	85.0	70.4	64.7	55.8	44.4	38.7	32.8
45°	198.8	164.2	147.8	123.4	96.2	78.8	67.9	61.5	49.5	40.9	34.8
42.5°	236.9	191.7	160.3	142.7	112.9	88.7	71.0	64.7	54.4	43.1	36.7
40°	307.0	226.2	177.7	153.9	130.1	98.4	78.9	67.3	59.1	45.8	38.5
37.5°	377.9	278.2	208.5	164.6	145.0	113.5	87.2	69.8	62.9	49.8	40.2
35°	473.2	341.5	238.0	184.2	154.4	127.9	95.1	74.0	65.1	53.5	41.9
32.5°	566.1	409.9	291.4	210.0	163.3	141.5	105.5	80.7	67.1	57.1	43.4
30°	645.4	491.6	344.0	234.3	175.8	149.5	117.1	87.0	69.0	60.4	45.2
27.5°	717.3	568.3	397.9	273.7	196.7	156.7	127.9	92.8	70.7	62.9	47.8
25°	773.3	632.8	463.7	315.8	216.0	163.3	137.9	98.4	74.4	64.3	50.3
22.5°	797.9	689.8	524.2	354.5	233.7	169.6	145.2	106.6	78.8	65.6	52.5
20°	820.4	741.7	579.1	392.4	259.0	184.2	150.1	114.0	82.8	66.8	54.6
17.5°	836.4	774.8	622.9	437.4	287.6	197.2	154.5	120.6	86.3	67.8	56.4
15°	832.0	791.1	660.3	476.7	312.6	208.5	158.4	126.4	89.4	68.7	57.9
12.5°	828.2	805.0	692.2	510.3	333.9	218.2	161.7	131.3	92.0	69.5	59.3
10°	825.0	816.5	718.6	538.1	351.5	226.2	164.4	135.3	94.2	70.2	60.3
7.5°	822.6	825.5	739.3	559.7	365.2	232.4	166.5	138.4	95.8	70.7	61.2
5°	820.8	832.0	754.1	575.3	375.1	236.9	168.0	140.7	97.0	71.0	61.8
2.5°	819.8	835.9	763.0	584.7	381.0	239.6	168.9	142.0	97.8	71.2	62.2
0°	819.4	837.2	766.0	587.8	383.0	240.5	169.2	142.5	98.0	71.3	62.3
-2.5°	819.8	835.9	763.0	584.7	381.0	239.6	168.9	142.0	97.8	71.2	62.2
-5°	820.8	832.0	754.1	575.3	375.1	236.9	168.0	140.7	97.0	71.0	61.8
-7.5°	822.6	825.5	739.3	559.7	365.2	232.4	166.5	138.4	95.8	70.7	61.2
-10°	825.0	816.5	718.6	538.1	351.5	226.2	164.4	135.3	94.2	70.2	60.3
-12.5°	828.2	805.0	692.2	510.3	333.9	218.2	161.7	131.3	92.0	69.5	59.3
-15°	832.0	791.1	660.3	476.7	312.6	208.5	158.4	126.4	89.4	68.7	57.9
-17.5°	836.4	774.8	622.9	437.4	287.6	197.2	154.5	120.6	86.3	67.8	56.4
-20°	820.4	741.7	579.1	392.4	259.0	184.2	150.1	114.0	82.8	66.8	54.6



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	797.9	689.8	524.2	354.5	233.7	169.6	145.2	106.6	78.8	65.6	52.5
-25°	773.3	632.8	463.7	315.8	216.0	163.3	137.9	98.4	74.4	64.3	50.3
-27.5°	717.3	568.3	397.9	273.7	196.7	156.7	127.9	92.8	70.7	62.9	47.8
-30°	645.4	491.6	344.0	234.3	175.8	149.5	117.1	87.0	69.0	60.4	45.2
-32.5°	566.1	409.9	291.4	210.0	163.3	141.5	105.5	80.7	67.1	57.1	43.4
-35°	473.2	341.5	238.0	184.2	154.4	127.9	95.1	74.0	65.1	53.5	41.9
-37.5°	377.9	278.2	208.5	164.6	145.0	113.5	87.2	69.8	62.9	49.8	40.2
-40°	307.0	226.2	177.7	153.9	130.1	98.4	78.9	67.3	59.1	45.8	38.5
-42.5°	236.9	191.7	160.3	142.7	112.9	88.7	71.0	64.7	54.4	43.1	36.7
-45°	198.8	164.2	147.8	123.4	96.2	78.8	67.9	61.5	49.5	40.9	34.8
-47.5°	165.5	150.4	129.8	103.3	85.0	70.4	64.7	55.8	44.4	38.7	32.8
-50°	150.4	131.9	107.5	88.8	73.5	66.8	60.6	49.9	41.8	36.3	30.8
-52.5°	129.8	107.5	90.0	76.0	68.0	63.1	53.9	44.2	39.1	33.9	28.7
-55°	103.3	88.8	76.0	68.4	63.9	56.4	47.0	41.0	36.2	31.4	26.5
-57.5°	85.0	73.5	68.0	63.9	57.2	48.7	42.2	37.8	33.3	28.8	24.2
-60°	70.4	66.8	63.1	56.4	48.7	42.6	38.6	34.5	30.4	26.2	21.9
-62.5°	64.7	60.6	53.9	47.0	42.2	38.6	34.9	31.2	27.3	23.4	19.5
-65°	55.8	49.9	44.2	41.0	37.8	34.5	31.2	27.7	24.2	20.7	17.1
-67.5°	44.4	41.8	39.1	36.2	33.3	30.4	27.3	24.2	21.1	17.9	14.6
-70°	38.7	36.3	33.9	31.4	28.8	26.2	23.4	20.7	17.9	15.0	12.1
-72.5°	32.8	30.8	28.7	26.5	24.2	21.9	19.5	17.1	14.6	12.1	9.6
-75°	27.0	25.2	23.4	21.5	19.6	17.6	15.5	13.5	11.3	9.2	8.9
-77.5°	21.0	19.6	18.1	16.5	14.9	13.2	11.5	9.8	8.9	8.9	8.9
-80°	15.1	13.9	12.7	11.4	10.2	8.9	8.9	8.9	8.9	8.9	8.9
-82.5°	9.1	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.0
-85°	8.9	8.9	8.9	8.9	8.9	8.9	8.2	7.5	6.8	6.1	5.3
-87.5°	6.0	5.7	5.4	5.1	4.8	4.4	4.1	3.8	3.4	3.0	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	1.9	1.5	1.2	0.8	0.4	0.0
85°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
82.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
80°	8.9	7.7	6.2	4.6	3.1	1.5	0.0
77.5°	8.9	8.9	7.7	5.8	3.8	1.9	0.0
75°	8.9	8.9	8.9	6.9	4.6	2.3	0.0
72.5°	8.9	8.9	8.9	8.0	5.3	2.7	0.0
70°	9.2	8.9	8.9	8.9	6.1	3.0	0.0
67.5°	11.3	8.9	8.9	8.9	6.8	3.4	0.0
65°	13.5	9.8	8.9	8.9	7.5	3.8	0.0
62.5°	15.5	11.5	8.9	8.9	8.2	4.1	0.0
60°	17.6	13.2	8.9	8.9	8.9	4.4	0.0
57.5°	19.6	14.9	10.2	8.9	8.9	4.8	0.0
55°	21.5	16.5	11.4	8.9	8.9	5.1	0.0
52.5°	23.4	18.1	12.7	8.9	8.9	5.4	0.0
50°	25.2	19.6	13.9	8.9	8.9	5.7	0.0
47.5°	27.0	21.0	15.1	9.1	8.9	6.0	0.0
45°	28.6	22.4	16.2	10.0	8.9	6.3	0.0
42.5°	30.3	23.8	17.3	10.8	8.9	6.6	0.0
40°	31.8	25.1	18.3	11.5	8.9	6.8	0.0
37.5°	33.3	26.3	19.3	12.3	8.9	7.1	0.0
35°	34.7	27.5	20.2	13.0	8.9	7.3	0.0
32.5°	36.0	28.5	21.1	13.6	8.9	7.5	0.0
30°	37.2	29.6	21.9	14.2	8.9	7.7	0.0
27.5°	38.3	30.5	22.6	14.8	8.9	7.9	0.0
25°	39.4	31.4	23.3	15.3	8.9	8.1	0.0
22.5°	40.4	32.2	24.0	15.8	8.9	8.2	0.0
20°	41.2	32.9	24.5	16.2	8.9	8.4	0.0
17.5°	42.0	33.5	25.0	16.6	8.9	8.5	0.0
15°	42.6	34.1	25.5	16.9	8.9	8.6	0.0
12.5°	43.2	34.5	25.8	17.2	8.9	8.7	0.0
10°	43.7	34.9	26.2	17.4	8.9	8.8	0.0
7.5°	44.0	35.2	26.4	17.6	8.9	8.8	0.0
5°	44.3	35.4	26.6	17.7	8.9	8.9	0.0
2.5°	44.4	35.6	26.7	17.8	8.9	8.9	0.0
0°	44.5	35.6	26.7	17.8	8.9	8.9	0.0
-2.5°	44.4	35.6	26.7	17.8	8.9	8.9	0.0
-5°	44.3	35.4	26.6	17.7	8.9	8.9	0.0
-7.5°	44.0	35.2	26.4	17.6	8.9	8.8	0.0
-10°	43.7	34.9	26.2	17.4	8.9	8.8	0.0
-12.5°	43.2	34.5	25.8	17.2	8.9	8.7	0.0
-15°	42.6	34.1	25.5	16.9	8.9	8.6	0.0
-17.5°	42.0	33.5	25.0	16.6	8.9	8.5	0.0
-20°	41.2	32.9	24.5	16.2	8.9	8.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	40.4	32.2	24.0	15.8	8.9	8.2	0.0
-25°	39.4	31.4	23.3	15.3	8.9	8.1	0.0
-27.5°	38.3	30.5	22.6	14.8	8.9	7.9	0.0
-30°	37.2	29.6	21.9	14.2	8.9	7.7	0.0
-32.5°	36.0	28.5	21.1	13.6	8.9	7.5	0.0
-35°	34.7	27.5	20.2	13.0	8.9	7.3	0.0
-37.5°	33.3	26.3	19.3	12.3	8.9	7.1	0.0
-40°	31.8	25.1	18.3	11.5	8.9	6.8	0.0
-42.5°	30.3	23.8	17.3	10.8	8.9	6.6	0.0
-45°	28.6	22.4	16.2	10.0	8.9	6.3	0.0
-47.5°	27.0	21.0	15.1	9.1	8.9	6.0	0.0
-50°	25.2	19.6	13.9	8.9	8.9	5.7	0.0
-52.5°	23.4	18.1	12.7	8.9	8.9	5.4	0.0
-55°	21.5	16.5	11.4	8.9	8.9	5.1	0.0
-57.5°	19.6	14.9	10.2	8.9	8.9	4.8	0.0
-60°	17.6	13.2	8.9	8.9	8.9	4.4	0.0
-62.5°	15.5	11.5	8.9	8.9	8.2	4.1	0.0
-65°	13.5	9.8	8.9	8.9	7.5	3.8	0.0
-67.5°	11.3	8.9	8.9	8.9	6.8	3.4	0.0
-70°	9.2	8.9	8.9	8.9	6.1	3.0	0.0
-72.5°	8.9	8.9	8.9	8.0	5.3	2.7	0.0
-75°	8.9	8.9	8.9	6.9	4.6	2.3	0.0
-77.5°	8.9	8.9	7.7	5.8	3.8	1.9	0.0
-80°	8.9	7.7	6.2	4.6	3.1	1.5	0.0
-82.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
-85°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
-87.5°	2.3	1.9	1.5	1.2	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)