

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: P699993 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-4R-S**

Issue Date: 8/10/2023

**Test Information**

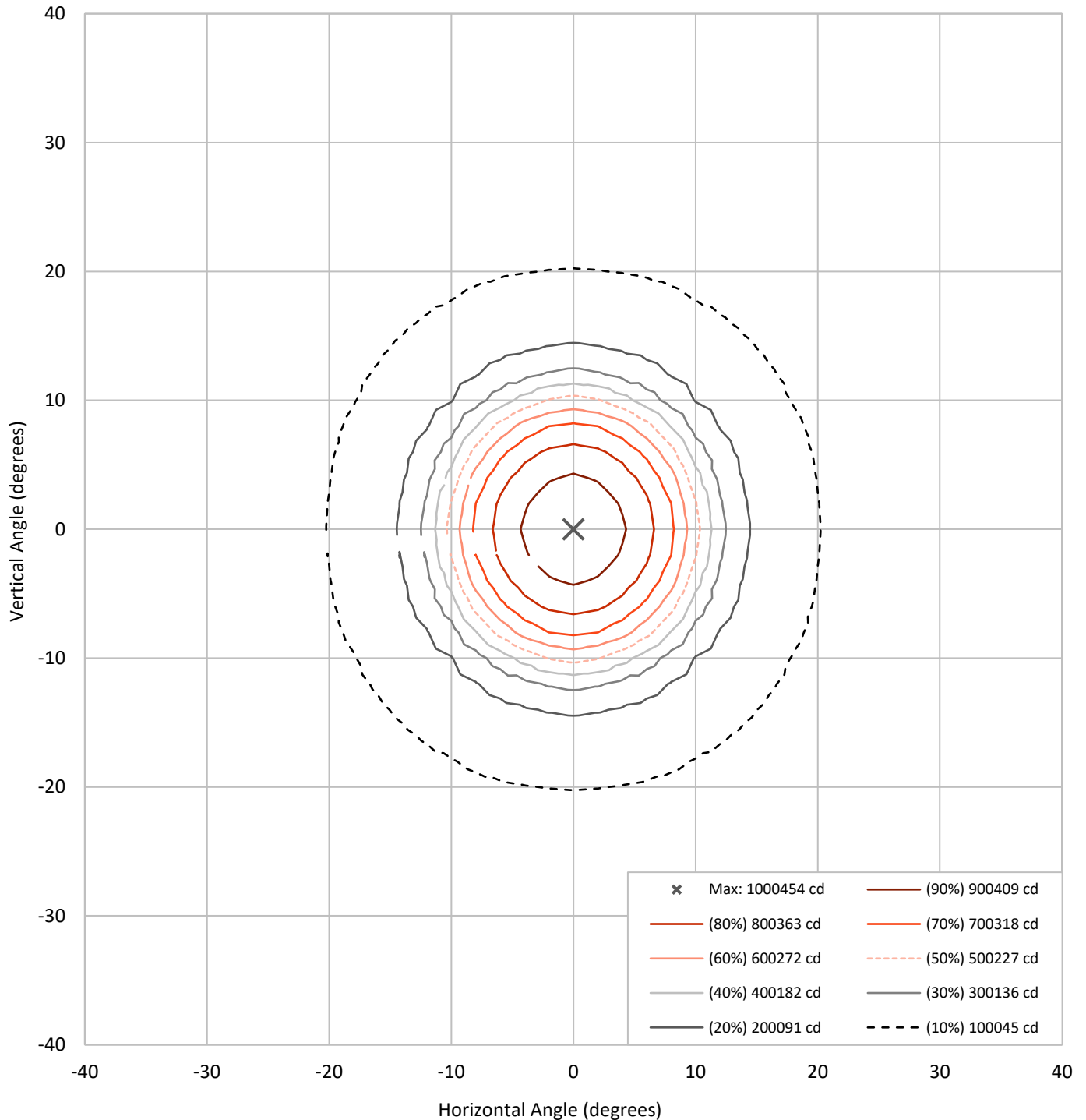
Test Method: LM-79-08  
Report Number: P699993 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200R-57-70-4R-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 70 CRI LEDS AND 4R BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	194678.6 lumens	Max Intensity:	1000454 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	156.4 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	20.7°H x 20.7°V	Field Angle (10%):	40.5°H x 40.5°V
Beam Lumens:	74737 lumens	Field Lumens:	131913.8 lumens
Beam Efficiency:	38.4%	Field Efficiency:	67.8%
Input Watts (W):	1244.6		
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





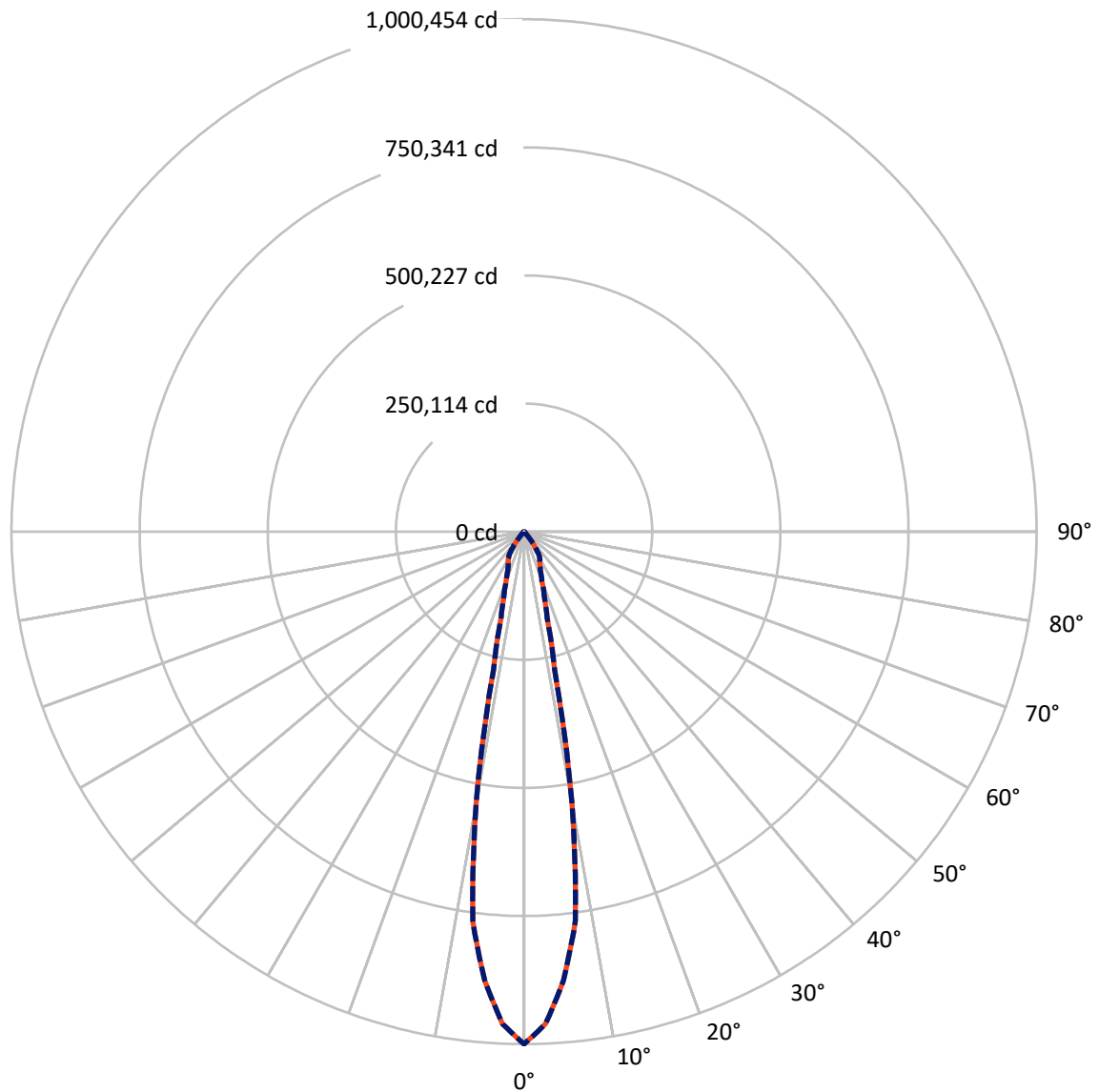
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### Lumen Table

90	0.3	1.5		3.3		5.1		5.9		5.1		3.3		1.5		0.3
80	0.3	1.5		3.3		5.1		5.9		5.1		3.3		1.5		0.3
70	0.6	0.6	1.2	2.0	3.0	4.4	5.6	6.3	6.3	5.6	4.4	3.0	2.0	1.2	0.6	0.6
60		0.9	1.9	4.0	7.6	12.9	17.7	20.3	20.3	17.7	12.9	7.6	4.0	1.9	0.9	
50	1.0	1.2	3.2	8.5	17.7	32.5	74.5	124.8	124.8	74.5	32.5	17.7	8.5	3.2	1.2	1.0
40		1.6	5.4	15.3	47.5	282.1	798.9	1168.4	1168.4	798.9	282.1	47.5	15.3	5.4	1.6	
30	1.3	2.1	8.3	25.6	257.7	1137.5	1848.0	2234.1	2234.1	1848.0	1137.5	257.7	25.6	8.3	2.1	1.3
20		2.5	10.7	56.0	686.7	1736.5	2900.1	5579.4	5579.4	2900.1	1736.5	686.7	56.0	10.7	2.5	
10	1.4	2.8	11.9	91.7	972.3	2038.2	5432.8	20948.0	20948.0	5432.8	2038.2	972.3	91.7	11.9	2.8	1.4
0		2.8	11.9	91.7	972.3	2038.2	5432.8	20948.0	20948.0	5432.8	2038.2	972.3	91.7	11.9	2.8	
-10	1.3	2.5	10.7	56.0	686.7	1736.5	2900.1	5579.4	5579.4	2900.1	1736.5	686.7	56.0	10.7	2.5	1.3
-20		2.1	8.3	25.6	257.7	1137.5	1848.0	2234.1	2234.1	1848.0	1137.5	257.7	25.6	8.3	2.1	
-30	1.0	1.6	5.4	15.3	47.5	282.1	798.9	1168.4	1168.4	798.9	282.1	47.5	15.3	5.4	1.6	1.0
-40		1.2	3.2	8.5	17.7	32.5	74.5	124.8	124.8	74.5	32.5	17.7	8.5	3.2	1.2	
-50	0.6	0.9	1.9	4.0	7.6	12.9	17.7	20.3	20.3	17.7	12.9	7.6	4.0	1.9	0.9	0.6
-60		0.6	1.2	2.0	3.0	4.4	5.6	6.3	6.3	5.6	4.4	3.0	2.0	1.2	0.6	
-70	0.3	1.5		3.3		5.1		5.9		5.1		3.3		1.5		0.3
-80		1.5		3.3		5.1		5.9		5.1		3.3		1.5		
-90	0.3	1.5		3.3		5.1		5.9		5.1		3.3		1.5		0.3

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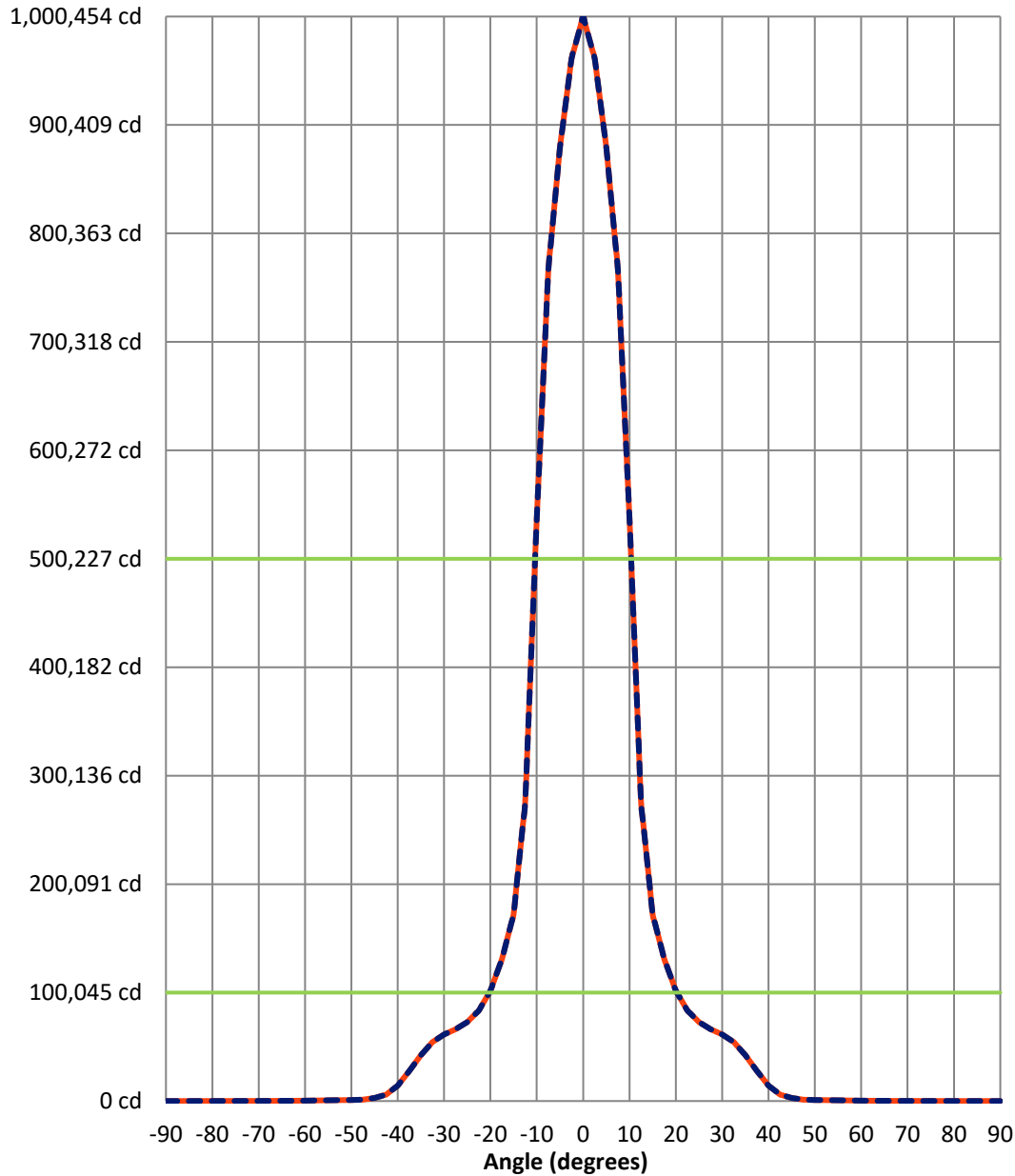
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 20.7°  
 V Angle: 20.7°  
 Lumens: 74737  
 Efficiency: 38.4%

**Field:**  
 H Angle: 40.5°  
 V Angle: 40.5°  
 Lumens: 131913.8  
 Efficiency: 67.8%

**Spill:**  
 Lumens: 62764.8  
 Efficiency: 32.2%

- 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°	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	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	6.9
85°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	9.9	11.2	12.5	13.8
82.5°	0.0	2.1	4.3	6.4	8.5	10.6	12.7	14.8	16.6	17.4	18.3
80°	0.0	2.8	5.7	8.5	11.3	14.1	16.6	17.8	19.0	20.2	21.3
77.5°	0.0	3.5	7.1	10.6	14.1	16.9	18.4	19.9	21.4	22.9	24.5
75°	0.0	4.2	8.5	12.7	16.6	18.4	20.3	22.1	23.9	26.1	28.4
72.5°	0.0	4.9	9.9	14.8	17.8	19.9	22.1	24.3	27.0	29.6	32.2
70°	0.0	5.6	11.2	16.6	19.0	21.4	23.9	27.0	30.0	33.0	36.6
67.5°	0.0	6.3	12.5	17.4	20.2	22.9	26.1	29.6	33.0	37.1	41.1
65°	0.0	6.9	13.8	18.3	21.3	24.5	28.4	32.2	36.6	41.1	45.6
62.5°	0.0	7.6	15.1	19.2	22.4	26.3	30.5	35.1	40.1	45.1	50.4
60°	0.0	8.2	16.4	20.0	23.5	28.1	32.7	38.1	43.5	49.3	55.0
57.5°	0.0	8.8	16.9	20.8	24.9	29.8	35.1	41.0	47.1	53.4	60.4
55°	0.0	9.4	17.5	21.6	26.3	31.5	37.6	43.9	50.7	57.6	66.0
52.5°	0.0	10.0	18.0	22.3	27.6	33.2	40.0	46.9	54.1	62.5	71.4
50°	0.0	10.5	18.4	23.1	28.8	35.1	42.3	49.8	57.7	67.3	77.6
47.5°	0.0	11.1	18.9	23.8	30.1	37.0	44.5	52.7	61.8	71.9	83.8
45°	0.0	11.6	19.4	24.7	31.2	38.8	46.9	55.4	65.8	77.2	89.7
42.5°	0.0	12.1	19.8	25.5	32.4	40.5	49.1	58.4	69.6	82.3	96.4
40°	0.0	12.6	20.2	26.3	33.6	42.1	51.3	61.6	73.4	87.1	103.1
37.5°	0.0	13.0	20.6	27.1	34.8	43.7	53.3	64.6	77.5	92.1	109.4
35°	0.0	13.4	21.0	27.8	36.0	45.2	55.2	67.4	81.4	97.5	115.8
32.5°	0.0	13.8	21.3	28.5	37.1	46.7	57.2	70.1	85.1	102.5	122.5
30°	0.0	14.2	21.7	29.1	38.1	48.2	59.3	72.7	88.5	107.3	128.8
27.5°	0.0	14.5	22.0	29.7	39.0	49.5	61.3	75.5	92.0	111.7	134.6
25°	0.0	14.9	22.2	30.3	39.9	50.7	63.1	78.0	95.5	116.2	140.4
22.5°	0.0	15.2	22.5	30.8	40.7	51.8	64.8	80.4	98.8	120.6	152.9
20°	0.0	15.4	22.7	31.2	41.4	52.7	66.3	82.5	101.8	124.6	164.2
17.5°	0.0	15.6	22.9	31.6	42.1	53.6	67.6	84.3	104.4	128.1	174.2
15°	0.0	15.8	23.1	31.9	42.6	54.4	68.8	86.0	106.7	131.2	183.0
12.5°	0.0	16.0	23.3	32.2	43.1	55.0	69.7	87.3	108.6	133.8	190.5
10°	0.0	16.2	23.4	32.5	43.5	55.6	70.6	88.5	110.2	136.0	196.6
7.5°	0.0	16.3	23.5	32.7	43.8	56.0	71.2	89.4	111.5	137.6	201.4
5°	0.0	16.3	23.5	32.8	44.0	56.3	71.6	90.0	112.4	138.8	204.8
2.5°	0.0	16.4	23.6	32.9	44.2	56.4	71.9	90.4	112.9	139.6	206.9
0°	0.0	16.4	23.6	32.9	44.2	56.4	71.9	90.4	112.9	139.6	206.9
-2.5°	0.0	16.4	23.6	32.9	44.2	56.4	71.9	90.4	112.9	139.6	206.9
-5°	0.0	16.3	23.5	32.8	44.0	56.3	71.6	90.0	112.4	138.8	204.8
-7.5°	0.0	16.3	23.5	32.7	43.8	56.0	71.2	89.4	111.5	137.6	201.4
-10°	0.0	16.2	23.4	32.5	43.5	55.6	70.6	88.5	110.2	136.0	196.6
-12.5°	0.0	16.0	23.3	32.2	43.1	55.0	69.7	87.3	108.6	133.8	190.5
-15°	0.0	15.8	23.1	31.9	42.6	54.4	68.8	86.0	106.7	131.2	183.0
-17.5°	0.0	15.6	22.9	31.6	42.1	53.6	67.6	84.3	104.4	128.1	174.2
-20°	0.0	15.4	22.7	31.2	41.4	52.7	66.3	82.5	101.8	124.6	164.2



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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	15.2	22.5	30.8	40.7	51.8	64.8	80.4	98.8	120.6	152.9
-25°	0.0	14.9	22.2	30.3	39.9	50.7	63.1	78.0	95.5	116.2	140.4
-27.5°	0.0	14.5	22.0	29.7	39.0	49.5	61.3	75.5	92.0	111.7	134.6
-30°	0.0	14.2	21.7	29.1	38.1	48.2	59.3	72.7	88.5	107.3	128.8
-32.5°	0.0	13.8	21.3	28.5	37.1	46.7	57.2	70.1	85.1	102.5	122.5
-35°	0.0	13.4	21.0	27.8	36.0	45.2	55.2	67.4	81.4	97.5	115.8
-37.5°	0.0	13.0	20.6	27.1	34.8	43.7	53.3	64.6	77.5	92.1	109.4
-40°	0.0	12.6	20.2	26.3	33.6	42.1	51.3	61.6	73.4	87.1	103.1
-42.5°	0.0	12.1	19.8	25.5	32.4	40.5	49.1	58.4	69.6	82.3	96.4
-45°	0.0	11.6	19.4	24.7	31.2	38.8	46.9	55.4	65.8	77.2	89.7
-47.5°	0.0	11.1	18.9	23.8	30.1	37.0	44.5	52.7	61.8	71.9	83.8
-50°	0.0	10.5	18.4	23.1	28.8	35.1	42.3	49.8	57.7	67.3	77.6
-52.5°	0.0	10.0	18.0	22.3	27.6	33.2	40.0	46.9	54.1	62.5	71.4
-55°	0.0	9.4	17.5	21.6	26.3	31.5	37.6	43.9	50.7	57.6	66.0
-57.5°	0.0	8.8	16.9	20.8	24.9	29.8	35.1	41.0	47.1	53.4	60.4
-60°	0.0	8.2	16.4	20.0	23.5	28.1	32.7	38.1	43.5	49.3	55.0
-62.5°	0.0	7.6	15.1	19.2	22.4	26.3	30.5	35.1	40.1	45.1	50.4
-65°	0.0	6.9	13.8	18.3	21.3	24.5	28.4	32.2	36.6	41.1	45.6
-67.5°	0.0	6.3	12.5	17.4	20.2	22.9	26.1	29.6	33.0	37.1	41.1
-70°	0.0	5.6	11.2	16.6	19.0	21.4	23.9	27.0	30.0	33.0	36.6
-72.5°	0.0	4.9	9.9	14.8	17.8	19.9	22.1	24.3	27.0	29.6	32.2
-75°	0.0	4.2	8.5	12.7	16.6	18.4	20.3	22.1	23.9	26.1	28.4
-77.5°	0.0	3.5	7.1	10.6	14.1	16.9	18.4	19.9	21.4	22.9	24.5
-80°	0.0	2.8	5.7	8.5	11.3	14.1	16.6	17.8	19.0	20.2	21.3
-82.5°	0.0	2.1	4.3	6.4	8.5	10.6	12.7	14.8	16.6	17.4	18.3
-85°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	9.9	11.2	12.5	13.8
-87.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	6.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	8.2	8.8	9.4	10.0	10.5	11.1	11.6	12.1	12.6	13.0
85°	15.1	16.4	16.9	17.5	18.0	18.4	18.9	19.4	19.8	20.2	20.6
82.5°	19.2	20.0	20.8	21.6	22.3	23.1	23.8	24.7	25.5	26.3	27.1
80°	22.4	23.5	24.9	26.3	27.6	28.8	30.1	31.2	32.4	33.6	34.8
77.5°	26.3	28.1	29.8	31.5	33.2	35.1	37.0	38.8	40.5	42.1	43.7
75°	30.5	32.7	35.1	37.6	40.0	42.3	44.5	46.9	49.1	51.3	53.3
72.5°	35.1	38.1	41.0	43.9	46.9	49.8	52.7	55.4	58.4	61.6	64.6
70°	40.1	43.5	47.1	50.7	54.1	57.7	61.8	65.8	69.6	73.4	77.5
67.5°	45.1	49.3	53.4	57.6	62.5	67.3	71.9	77.2	82.3	87.1	92.1
65°	50.4	55.0	60.4	66.0	71.4	77.6	83.8	89.7	96.4	103.1	109.4
62.5°	55.6	61.8	68.1	74.6	81.8	88.8	96.6	104.6	112.2	120.7	129.0
60°	61.8	68.8	76.3	84.3	92.5	101.8	110.8	120.6	130.5	140.4	163.4
57.5°	68.1	76.3	85.2	94.6	104.9	115.3	126.8	138.0	162.5	188.8	212.8
55°	74.6	84.3	94.6	105.9	117.8	130.6	147.9	178.5	208.0	231.7	254.4
52.5°	81.8	92.5	104.9	117.8	131.8	154.3	188.2	218.8	245.4	275.6	316.9
50°	88.8	101.8	115.3	130.6	154.3	191.4	224.3	253.7	294.4	340.6	404.6
47.5°	96.6	110.8	126.8	147.9	188.2	224.3	256.4	303.8	355.0	439.0	523.3
45°	104.6	120.6	138.0	178.5	218.8	253.7	303.8	359.8	456.3	550.7	645.5
42.5°	112.2	130.5	162.5	208.0	245.4	294.4	355.0	456.3	560.0	664.4	750.2
40°	120.7	140.4	188.8	231.7	275.6	340.6	439.0	550.7	664.4	757.3	835.9
37.5°	129.0	163.4	212.8	254.4	316.9	404.6	523.3	645.5	750.2	835.9	899.9
35°	136.9	185.3	232.8	284.3	356.4	480.0	608.2	729.1	821.5	894.3	1016.8
32.5°	151.2	206.0	251.7	318.9	420.3	552.9	689.3	793.0	877.6	975.3	1229.6
30°	168.8	222.5	273.0	351.5	483.0	624.2	750.8	850.2	926.7	1166.1	1864.5
27.5°	185.3	237.7	301.0	399.3	542.4	691.1	803.8	893.4	1061.7	1492.5	2695.2
25°	200.5	251.7	326.9	449.4	599.9	741.4	850.0	933.7	1219.4	2221.8	4059.7
22.5°	213.3	264.7	350.7	495.5	652.7	783.5	884.5	1054.1	1574.0	2929.1	5482.5
20°	223.8	284.3	381.8	537.6	700.6	821.8	915.9	1177.7	2149.3	4143.0	8263.6
17.5°	233.1	301.7	415.8	576.9	734.1	852.1	956.2	1288.8	2667.0	5238.1	11471.2
15°	241.3	316.9	445.6	611.2	761.7	874.9	1046.3	1665.1	3369.8	6681.4	14366.7
12.5°	248.2	329.9	471.0	640.6	785.3	894.4	1123.5	2026.7	4138.4	8944.0	18361.9
10°	254.0	340.6	491.9	664.8	804.8	910.5	1187.3	2326.2	4775.8	10824.0	21689.0
7.5°	258.4	349.0	508.3	683.7	820.1	923.1	1237.4	2561.4	5277.2	12304.8	24314.7
5°	261.6	355.0	520.0	697.3	831.0	932.2	1273.4	2730.7	5638.3	13372.9	26211.3
2.5°	263.6	358.6	527.0	705.5	837.6	937.7	1295.1	2832.8	5856.2	14018.0	27357.9
0°	264.2	359.8	529.4	708.2	839.8	939.5	1302.4	2866.9	5929.1	14233.7	27741.6
-2.5°	263.6	358.6	527.0	705.5	837.6	937.7	1295.1	2832.8	5856.2	14018.0	27357.9
-5°	261.6	355.0	520.0	697.3	831.0	932.2	1273.4	2730.7	5638.3	13372.9	26211.3
-7.5°	258.4	349.0	508.3	683.7	820.1	923.1	1237.4	2561.4	5277.2	12304.8	24314.7
-10°	254.0	340.6	491.9	664.8	804.8	910.5	1187.3	2326.2	4775.8	10824.0	21689.0
-12.5°	248.2	329.9	471.0	640.6	785.3	894.4	1123.5	2026.7	4138.4	8944.0	18361.9
-15°	241.3	316.9	445.6	611.2	761.7	874.9	1046.3	1665.1	3369.8	6681.4	14366.7
-17.5°	233.1	301.7	415.8	576.9	734.1	852.1	956.2	1288.8	2667.0	5238.1	11471.2
-20°	223.8	284.3	381.8	537.6	700.6	821.8	915.9	1177.7	2149.3	4143.0	8263.6



REPORT NUMBER: P699993 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4R-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	213.3	264.7	350.7	495.5	652.7	783.5	884.5	1054.1	1574.0	2929.1	5482.5
-25°	200.5	251.7	326.9	449.4	599.9	741.4	850.0	933.7	1219.4	2221.8	4059.7
-27.5°	185.3	237.7	301.0	399.3	542.4	691.1	803.8	893.4	1061.7	1492.5	2695.2
-30°	168.8	222.5	273.0	351.5	483.0	624.2	750.8	850.2	926.7	1166.1	1864.5
-32.5°	151.2	206.0	251.7	318.9	420.3	552.9	689.3	793.0	877.6	975.3	1229.6
-35°	136.9	185.3	232.8	284.3	356.4	480.0	608.2	729.1	821.5	894.3	1016.8
-37.5°	129.0	163.4	212.8	254.4	316.9	404.6	523.3	645.5	750.2	835.9	899.9
-40°	120.7	140.4	188.8	231.7	275.6	340.6	439.0	550.7	664.4	757.3	835.9
-42.5°	112.2	130.5	162.5	208.0	245.4	294.4	355.0	456.3	560.0	664.4	750.2
-45°	104.6	120.6	138.0	178.5	218.8	253.7	303.8	359.8	456.3	550.7	645.5
-47.5°	96.6	110.8	126.8	147.9	188.2	224.3	256.4	303.8	355.0	439.0	523.3
-50°	88.8	101.8	115.3	130.6	154.3	191.4	224.3	253.7	294.4	340.6	404.6
-52.5°	81.8	92.5	104.9	117.8	131.8	154.3	188.2	218.8	245.4	275.6	316.9
-55°	74.6	84.3	94.6	105.9	117.8	130.6	147.9	178.5	208.0	231.7	254.4
-57.5°	68.1	76.3	85.2	94.6	104.9	115.3	126.8	138.0	162.5	188.8	212.8
-60°	61.8	68.8	76.3	84.3	92.5	101.8	110.8	120.6	130.5	140.4	163.4
-62.5°	55.6	61.8	68.1	74.6	81.8	88.8	96.6	104.6	112.2	120.7	129.0
-65°	50.4	55.0	60.4	66.0	71.4	77.6	83.8	89.7	96.4	103.1	109.4
-67.5°	45.1	49.3	53.4	57.6	62.5	67.3	71.9	77.2	82.3	87.1	92.1
-70°	40.1	43.5	47.1	50.7	54.1	57.7	61.8	65.8	69.6	73.4	77.5
-72.5°	35.1	38.1	41.0	43.9	46.9	49.8	52.7	55.4	58.4	61.6	64.6
-75°	30.5	32.7	35.1	37.6	40.0	42.3	44.5	46.9	49.1	51.3	53.3
-77.5°	26.3	28.1	29.8	31.5	33.2	35.1	37.0	38.8	40.5	42.1	43.7
-80°	22.4	23.5	24.9	26.3	27.6	28.8	30.1	31.2	32.4	33.6	34.8
-82.5°	19.2	20.0	20.8	21.6	22.3	23.1	23.8	24.7	25.5	26.3	27.1
-85°	15.1	16.4	16.9	17.5	18.0	18.4	18.9	19.4	19.8	20.2	20.6
-87.5°	7.6	8.2	8.8	9.4	10.0	10.5	11.1	11.6	12.1	12.6	13.0
-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: P699993 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4R-S

**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°	13.4	13.8	14.2	14.5	14.9	15.2	15.4	15.6	15.8	16.0	16.2
85°	21.0	21.3	21.7	22.0	22.2	22.5	22.7	22.9	23.1	23.3	23.4
82.5°	27.8	28.5	29.1	29.7	30.3	30.8	31.2	31.6	31.9	32.2	32.5
80°	36.0	37.1	38.1	39.0	39.9	40.7	41.4	42.1	42.6	43.1	43.5
77.5°	45.2	46.7	48.2	49.5	50.7	51.8	52.7	53.6	54.4	55.0	55.6
75°	55.2	57.2	59.3	61.3	63.1	64.8	66.3	67.6	68.8	69.7	70.6
72.5°	67.4	70.1	72.7	75.5	78.0	80.4	82.5	84.3	86.0	87.3	88.5
70°	81.4	85.1	88.5	92.0	95.5	98.8	101.8	104.4	106.7	108.6	110.2
67.5°	97.5	102.5	107.3	111.7	116.2	120.6	124.6	128.1	131.2	133.8	136.0
65°	115.8	122.5	128.8	134.6	140.4	152.9	164.2	174.2	183.0	190.5	196.6
62.5°	136.9	151.2	168.8	185.3	200.5	213.3	223.8	233.1	241.3	248.2	254.0
60°	185.3	206.0	222.5	237.7	251.7	264.7	284.3	301.7	316.9	329.9	340.6
57.5°	232.8	251.7	273.0	301.0	326.9	350.7	381.8	415.8	445.6	471.0	491.9
55°	284.3	318.9	351.5	399.3	449.4	495.5	537.6	576.9	611.2	640.6	664.8
52.5°	356.4	420.3	483.0	542.4	599.9	652.7	700.6	734.1	761.7	785.3	804.8
50°	480.0	552.9	624.2	691.1	741.4	783.5	821.8	852.1	874.9	894.4	910.5
47.5°	608.2	689.3	750.8	803.8	850.0	884.5	915.9	956.2	1046.3	1123.5	1187.3
45°	729.1	793.0	850.2	893.4	933.7	1054.1	1177.7	1288.8	1665.1	2026.7	2326.2
42.5°	821.5	877.6	926.7	1061.7	1219.4	1574.0	2149.3	2667.0	3369.8	4138.4	4775.8
40°	894.3	975.3	1166.1	1492.5	2221.8	2929.1	4143.0	5238.1	6681.4	8944.0	10824.0
37.5°	1016.8	1229.6	1864.5	2695.2	4059.7	5482.5	8263.6	11471.2	14366.7	18361.9	21689.0
35°	1250.9	2052.5	3095.5	4829.0	7379.4	11518.8	16025.1	21658.6	26669.4	31267.0	35176.5
32.5°	2052.5	3285.2	5218.4	9004.6	13739.3	20645.4	27322.6	33851.6	39709.6	44378.9	47919.6
30°	3095.5	5218.4	9551.2	15261.3	23473.6	31472.0	39217.2	45625.8	50899.9	55043.4	57281.6
27.5°	4829.0	9004.6	15261.3	24426.1	33597.7	42478.5	49388.7	55181.7	58492.3	61396.3	63106.3
25°	7379.4	13739.3	23473.6	33597.7	43401.3	51306.7	56908.4	60877.0	63541.0	65748.8	68097.0
22.5°	11518.8	20645.4	31472.0	42478.5	51306.7	57492.2	61887.6	64868.7	68050.3	71315.3	74898.2
20°	16025.1	27322.6	39217.2	49388.7	56908.4	61887.6	65319.0	69328.7	73630.2	79441.6	85174.2
17.5°	21658.6	33851.6	45625.8	55181.7	60877.0	64868.7	69328.7	74741.0	81797.1	91610.3	101248.7
15°	26669.4	39709.6	50899.9	58492.3	63541.0	68050.3	73630.2	81797.1	93817.8	108452.8	125653.9
12.5°	31267.0	44378.9	55043.4	61396.3	65748.8	71315.3	79441.6	91610.3	108452.8	129831.6	156473.4
10°	35176.5	47919.6	57281.6	63106.3	68097.0	74898.2	85174.2	101248.7	125653.9	156473.4	195700.3
7.5°	38268.8	50727.9	59063.0	64469.9	70131.3	78561.4	92237.7	113605.6	143729.6	184141.0	277271.5
5°	40506.4	52764.6	60358.4	65464.9	71622.4	81262.1	97485.4	123138.3	159185.0	220878.8	396100.7
2.5°	41861.0	53999.3	61145.3	66070.8	72533.2	82918.9	100723.6	129068.8	168916.1	257794.0	499775.2
0°	42314.5	54413.1	61409.2	66274.3	72839.7	83477.6	101818.9	131083.8	172245.0	275595.5	537723.0
-2.5°	41861.0	53999.3	61145.3	66070.8	72533.2	82918.9	100723.6	129068.8	168916.1	257794.0	499775.2
-5°	40506.4	52764.6	60358.4	65464.9	71622.4	81262.1	97485.4	123138.3	159185.0	220878.8	396100.7
-7.5°	38268.8	50727.9	59063.0	64469.9	70131.3	78561.4	92237.7	113605.6	143729.6	184141.0	277271.5
-10°	35176.5	47919.6	57281.6	63106.3	68097.0	74898.2	85174.2	101248.7	125653.9	156473.4	195700.3
-12.5°	31267.0	44378.9	55043.4	61396.3	65748.8	71315.3	79441.6	91610.3	108452.8	129831.6	156473.4
-15°	26669.4	39709.6	50899.9	58492.3	63541.0	68050.3	73630.2	81797.1	93817.8	108452.8	125653.9
-17.5°	21658.6	33851.6	45625.8	55181.7	60877.0	64868.7	69328.7	74741.0	81797.1	91610.3	101248.7
-20°	16025.1	27322.6	39217.2	49388.7	56908.4	61887.6	65319.0	69328.7	73630.2	79441.6	85174.2



REPORT NUMBER: P699993 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4R-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11518.8	20645.4	31472.0	42478.5	51306.7	57492.2	61887.6	64868.7	68050.3	71315.3	74898.2
-25°	7379.4	13739.3	23473.6	33597.7	43401.3	51306.7	56908.4	60877.0	63541.0	65748.8	68097.0
-27.5°	4829.0	9004.6	15261.3	24426.1	33597.7	42478.5	49388.7	55181.7	58492.3	61396.3	63106.3
-30°	3095.5	5218.4	9551.2	15261.3	23473.6	31472.0	39217.2	45625.8	50899.9	55043.4	57281.6
-32.5°	2052.5	3285.2	5218.4	9004.6	13739.3	20645.4	27322.6	33851.6	39709.6	44378.9	47919.6
-35°	1250.9	2052.5	3095.5	4829.0	7379.4	11518.8	16025.1	21658.6	26669.4	31267.0	35176.5
-37.5°	1016.8	1229.6	1864.5	2695.2	4059.7	5482.5	8263.6	11471.2	14366.7	18361.9	21689.0
-40°	894.3	975.3	1166.1	1492.5	2221.8	2929.1	4143.0	5238.1	6681.4	8944.0	10824.0
-42.5°	821.5	877.6	926.7	1061.7	1219.4	1574.0	2149.3	2667.0	3369.8	4138.4	4775.8
-45°	729.1	793.0	850.2	893.4	933.7	1054.1	1177.7	1288.8	1665.1	2026.7	2326.2
-47.5°	608.2	689.3	750.8	803.8	850.0	884.5	915.9	956.2	1046.3	1123.5	1187.3
-50°	480.0	552.9	624.2	691.1	741.4	783.5	821.8	852.1	874.9	894.4	910.5
-52.5°	356.4	420.3	483.0	542.4	599.9	652.7	700.6	734.1	761.7	785.3	804.8
-55°	284.3	318.9	351.5	399.3	449.4	495.5	537.6	576.9	611.2	640.6	664.8
-57.5°	232.8	251.7	273.0	301.0	326.9	350.7	381.8	415.8	445.6	471.0	491.9
-60°	185.3	206.0	222.5	237.7	251.7	264.7	284.3	301.7	316.9	329.9	340.6
-62.5°	136.9	151.2	168.8	185.3	200.5	213.3	223.8	233.1	241.3	248.2	254.0
-65°	115.8	122.5	128.8	134.6	140.4	152.9	164.2	174.2	183.0	190.5	196.6
-67.5°	97.5	102.5	107.3	111.7	116.2	120.6	124.6	128.1	131.2	133.8	136.0
-70°	81.4	85.1	88.5	92.0	95.5	98.8	101.8	104.4	106.7	108.6	110.2
-72.5°	67.4	70.1	72.7	75.5	78.0	80.4	82.5	84.3	86.0	87.3	88.5
-75°	55.2	57.2	59.3	61.3	63.1	64.8	66.3	67.6	68.8	69.7	70.6
-77.5°	45.2	46.7	48.2	49.5	50.7	51.8	52.7	53.6	54.4	55.0	55.6
-80°	36.0	37.1	38.1	39.0	39.9	40.7	41.4	42.1	42.6	43.1	43.5
-82.5°	27.8	28.5	29.1	29.7	30.3	30.8	31.2	31.6	31.9	32.2	32.5
-85°	21.0	21.3	21.7	22.0	22.2	22.5	22.7	22.9	23.1	23.3	23.4
-87.5°	13.4	13.8	14.2	14.5	14.9	15.2	15.4	15.6	15.8	16.0	16.2
-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: P699993 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4R-S

**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°	16.3	16.3	16.4	16.4	16.4	16.3	16.3	16.2	16.0	15.8	15.6
85°	23.5	23.5	23.6	23.6	23.6	23.5	23.5	23.4	23.3	23.1	22.9
82.5°	32.7	32.8	32.9	32.9	32.9	32.8	32.7	32.5	32.2	31.9	31.6
80°	43.8	44.0	44.2	44.2	44.2	44.0	43.8	43.5	43.1	42.6	42.1
77.5°	56.0	56.3	56.4	56.5	56.4	56.3	56.0	55.6	55.0	54.4	53.6
75°	71.2	71.6	71.9	72.0	71.9	71.6	71.2	70.6	69.7	68.8	67.6
72.5°	89.4	90.0	90.4	90.5	90.4	90.0	89.4	88.5	87.3	86.0	84.3
70°	111.5	112.4	112.9	113.1	112.9	112.4	111.5	110.2	108.6	106.7	104.4
67.5°	137.6	138.8	139.6	139.8	139.6	138.8	137.6	136.0	133.8	131.2	128.1
65°	201.4	204.8	206.9	207.6	206.9	204.8	201.4	196.6	190.5	183.0	174.2
62.5°	258.4	261.6	263.6	264.2	263.6	261.6	258.4	254.0	248.2	241.3	233.1
60°	349.0	355.0	358.6	359.8	358.6	355.0	349.0	340.6	329.9	316.9	301.7
57.5°	508.3	520.0	527.0	529.4	527.0	520.0	508.3	491.9	471.0	445.6	415.8
55°	683.7	697.3	705.5	708.2	705.5	697.3	683.7	664.8	640.6	611.2	576.9
52.5°	820.1	831.0	837.6	839.8	837.6	831.0	820.1	804.8	785.3	761.7	734.1
50°	923.1	932.2	937.7	939.5	937.7	932.2	923.1	910.5	894.4	874.9	852.1
47.5°	1237.4	1273.4	1295.1	1302.4	1295.1	1273.4	1237.4	1187.3	1123.5	1046.3	956.2
45°	2561.4	2730.7	2832.8	2866.9	2832.8	2730.7	2561.4	2326.2	2026.7	1665.1	1288.8
42.5°	5277.2	5638.3	5856.2	5929.1	5856.2	5638.3	5277.2	4775.8	4138.4	3369.8	2667.0
40°	12304.8	13372.9	14018.0	14233.7	14018.0	13372.9	12304.8	10824.0	8944.0	6681.4	5238.1
37.5°	24314.7	26211.3	27357.9	27741.6	27357.9	26211.3	24314.7	21689.0	18361.9	14366.7	11471.2
35°	38268.8	40506.4	41861.0	42314.5	41861.0	40506.4	38268.8	35176.5	31267.0	26669.4	21658.6
32.5°	50727.9	52764.6	53999.3	54413.1	53999.3	52764.6	50727.9	47919.6	44378.9	39709.6	33851.6
30°	59063.0	60358.4	61145.3	61409.2	61145.3	60358.4	59063.0	57281.6	55043.4	50899.9	45625.8
27.5°	64469.9	65464.9	66070.8	66274.3	66070.8	65464.9	64469.9	63106.3	61396.3	58492.3	55181.7
25°	70131.3	71622.4	72533.2	72839.7	72533.2	71622.4	70131.3	68097.0	65748.8	63541.0	60877.0
22.5°	78561.4	81262.1	82918.9	83477.6	82918.9	81262.1	78561.4	74898.2	71315.3	68050.3	64868.7
20°	92237.7	97485.4	100723.6	101818.9	100723.6	97485.4	92237.7	85174.2	79441.6	73630.2	69328.7
17.5°	113605.6	123138.3	129068.8	131083.8	129068.8	123138.3	113605.6	101248.7	91610.3	81797.1	74741.0
15°	143729.6	159185.0	168916.1	172245.0	168916.1	159185.0	143729.6	125653.9	108452.8	93817.8	81797.1
12.5°	184141.0	220878.8	257794.0	275595.5	257794.0	220878.8	184141.0	156473.4	129831.6	108452.8	91610.3
10°	277271.5	396100.7	499775.2	537723.0	499775.2	396100.7	277271.5	195700.3	156473.4	125653.9	101248.7
7.5°	464062.6	656533.7	744269.5	766955.6	744269.5	656533.7	464062.6	277271.5	184141.0	143729.6	113605.6
5°	656533.7	791328.2	856449.3	879718.2	856449.3	791328.2	656533.7	396100.7	220878.8	159185.0	123138.3
2.5°	744269.5	856449.3	930701.3	961611.3	930701.3	856449.3	744269.5	499775.2	257794.0	168916.1	129068.8
0°	766955.6	879718.2	961611.3	#####	961611.3	879718.2	766955.6	537723.0	275595.5	172245.0	131083.8
-2.5°	744269.5	856449.3	930701.3	961611.3	930701.3	856449.3	744269.5	499775.2	257794.0	168916.1	129068.8
-5°	656533.7	791328.2	856449.3	879718.2	856449.3	791328.2	656533.7	396100.7	220878.8	159185.0	123138.3
-7.5°	464062.6	656533.7	744269.5	766955.6	744269.5	656533.7	464062.6	277271.5	184141.0	143729.6	113605.6
-10°	277271.5	396100.7	499775.2	537723.0	499775.2	396100.7	277271.5	195700.3	156473.4	125653.9	101248.7
-12.5°	184141.0	220878.8	257794.0	275595.5	257794.0	220878.8	184141.0	156473.4	129831.6	108452.8	91610.3
-15°	143729.6	159185.0	168916.1	172245.0	168916.1	159185.0	143729.6	125653.9	108452.8	93817.8	81797.1
-17.5°	113605.6	123138.3	129068.8	131083.8	129068.8	123138.3	113605.6	101248.7	91610.3	81797.1	74741.0
-20°	92237.7	97485.4	100723.6	101818.9	100723.6	97485.4	92237.7	85174.2	79441.6	73630.2	69328.7



REPORT NUMBER: P699993 (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°	78561.4	81262.1	82918.9	83477.6	82918.9	81262.1	78561.4	74898.2	71315.3	68050.3	64868.7
-25°	70131.3	71622.4	72533.2	72839.7	72533.2	71622.4	70131.3	68097.0	65748.8	63541.0	60877.0
-27.5°	64469.9	65464.9	66070.8	66274.3	66070.8	65464.9	64469.9	63106.3	61396.3	58492.3	55181.7
-30°	59063.0	60358.4	61145.3	61409.2	61145.3	60358.4	59063.0	57281.6	55043.4	50899.9	45625.8
-32.5°	50727.9	52764.6	53999.3	54413.1	53999.3	52764.6	50727.9	47919.6	44378.9	39709.6	33851.6
-35°	38268.8	40506.4	41861.0	42314.5	41861.0	40506.4	38268.8	35176.5	31267.0	26669.4	21658.6
-37.5°	24314.7	26211.3	27357.9	27741.6	27357.9	26211.3	24314.7	21689.0	18361.9	14366.7	11471.2
-40°	12304.8	13372.9	14018.0	14233.7	14018.0	13372.9	12304.8	10824.0	8944.0	6681.4	5238.1
-42.5°	5277.2	5638.3	5856.2	5929.1	5856.2	5638.3	5277.2	4775.8	4138.4	3369.8	2667.0
-45°	2561.4	2730.7	2832.8	2866.9	2832.8	2730.7	2561.4	2326.2	2026.7	1665.1	1288.8
-47.5°	1237.4	1273.4	1295.1	1302.4	1295.1	1273.4	1237.4	1187.3	1123.5	1046.3	956.2
-50°	923.1	932.2	937.7	939.5	937.7	932.2	923.1	910.5	894.4	874.9	852.1
-52.5°	820.1	831.0	837.6	839.8	837.6	831.0	820.1	804.8	785.3	761.7	734.1
-55°	683.7	697.3	705.5	708.2	705.5	697.3	683.7	664.8	640.6	611.2	576.9
-57.5°	508.3	520.0	527.0	529.4	527.0	520.0	508.3	491.9	471.0	445.6	415.8
-60°	349.0	355.0	358.6	359.8	358.6	355.0	349.0	340.6	329.9	316.9	301.7
-62.5°	258.4	261.6	263.6	264.2	263.6	261.6	258.4	254.0	248.2	241.3	233.1
-65°	201.4	204.8	206.9	207.6	206.9	204.8	201.4	196.6	190.5	183.0	174.2
-67.5°	137.6	138.8	139.6	139.8	139.6	138.8	137.6	136.0	133.8	131.2	128.1
-70°	111.5	112.4	112.9	113.1	112.9	112.4	111.5	110.2	108.6	106.7	104.4
-72.5°	89.4	90.0	90.4	90.5	90.4	90.0	89.4	88.5	87.3	86.0	84.3
-75°	71.2	71.6	71.9	72.0	71.9	71.6	71.2	70.6	69.7	68.8	67.6
-77.5°	56.0	56.3	56.4	56.5	56.4	56.3	56.0	55.6	55.0	54.4	53.6
-80°	43.8	44.0	44.2	44.2	44.2	44.0	43.8	43.5	43.1	42.6	42.1
-82.5°	32.7	32.8	32.9	32.9	32.9	32.8	32.7	32.5	32.2	31.9	31.6
-85°	23.5	23.5	23.6	23.6	23.6	23.5	23.5	23.4	23.3	23.1	22.9
-87.5°	16.3	16.3	16.4	16.4	16.4	16.3	16.3	16.2	16.0	15.8	15.6
-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°	15.4	15.2	14.9	14.5	14.2	13.8	13.4	13.0	12.6	12.1	11.6
85°	22.7	22.5	22.2	22.0	21.7	21.3	21.0	20.6	20.2	19.8	19.4
82.5°	31.2	30.8	30.3	29.7	29.1	28.5	27.8	27.1	26.3	25.5	24.7
80°	41.4	40.7	39.9	39.0	38.1	37.1	36.0	34.8	33.6	32.4	31.2
77.5°	52.7	51.8	50.7	49.5	48.2	46.7	45.2	43.7	42.1	40.5	38.8
75°	66.3	64.8	63.1	61.3	59.3	57.2	55.2	53.3	51.3	49.1	46.9
72.5°	82.5	80.4	78.0	75.5	72.7	70.1	67.4	64.6	61.6	58.4	55.4
70°	101.8	98.8	95.5	92.0	88.5	85.1	81.4	77.5	73.4	69.6	65.8
67.5°	124.6	120.6	116.2	111.7	107.3	102.5	97.5	92.1	87.1	82.3	77.2
65°	164.2	152.9	140.4	134.6	128.8	122.5	115.8	109.4	103.1	96.4	89.7
62.5°	223.8	213.3	200.5	185.3	168.8	151.2	136.9	129.0	120.7	112.2	104.6
60°	284.3	264.7	251.7	237.7	222.5	206.0	185.3	163.4	140.4	130.5	120.6
57.5°	381.8	350.7	326.9	301.0	273.0	251.7	232.8	212.8	188.8	162.5	138.0
55°	537.6	495.5	449.4	399.3	351.5	318.9	284.3	254.4	231.7	208.0	178.5
52.5°	700.6	652.7	599.9	542.4	483.0	420.3	356.4	316.9	275.6	245.4	218.8
50°	821.8	783.5	741.4	691.1	624.2	552.9	480.0	404.6	340.6	294.4	253.7
47.5°	915.9	884.5	850.0	803.8	750.8	689.3	608.2	523.3	439.0	355.0	303.8
45°	1177.7	1054.1	933.7	893.4	850.2	793.0	729.1	645.5	550.7	456.3	359.8
42.5°	2149.3	1574.0	1219.4	1061.7	926.7	877.6	821.5	750.2	664.4	560.0	456.3
40°	4143.0	2929.1	2221.8	1492.5	1166.1	975.3	894.3	835.9	757.3	664.4	550.7
37.5°	8263.6	5482.5	4059.7	2695.2	1864.5	1229.6	1016.8	899.9	835.9	750.2	645.5
35°	16025.1	11518.8	7379.4	4829.0	3095.5	2052.5	1250.9	1016.8	894.3	821.5	729.1
32.5°	27322.6	20645.4	13739.3	9004.6	5218.4	3285.2	2052.5	1229.6	975.3	877.6	793.0
30°	39217.2	31472.0	23473.6	15261.3	9551.2	5218.4	3095.5	1864.5	1166.1	926.7	850.2
27.5°	49388.7	42478.5	33597.7	24426.1	15261.3	9004.6	4829.0	2695.2	1492.5	1061.7	893.4
25°	56908.4	51306.7	43401.3	33597.7	23473.6	13739.3	7379.4	4059.7	2221.8	1219.4	933.7
22.5°	61887.6	57492.2	51306.7	42478.5	31472.0	20645.4	11518.8	5482.5	2929.1	1574.0	1054.1
20°	65319.0	61887.6	56908.4	49388.7	39217.2	27322.6	16025.1	8263.6	4143.0	2149.3	1177.7
17.5°	69328.7	64868.7	60877.0	55181.7	45625.8	33851.6	21658.6	11471.2	5238.1	2667.0	1288.8
15°	73630.2	68050.3	63541.0	58492.3	50899.9	39709.6	26669.4	14366.7	6681.4	3369.8	1665.1
12.5°	79441.6	71315.3	65748.8	61396.3	55043.4	44378.9	31267.0	18361.9	8944.0	4138.4	2026.7
10°	85174.2	74898.2	68097.0	63106.3	57281.6	47919.6	35176.5	21689.0	10824.0	4775.8	2326.2
7.5°	92237.7	78561.4	70131.3	64469.9	59063.0	50727.9	38268.8	24314.7	12304.8	5277.2	2561.4
5°	97485.4	81262.1	71622.4	65464.9	60358.4	52764.6	40506.4	26211.3	13372.9	5638.3	2730.7
2.5°	100723.6	82918.9	72533.2	66070.8	61145.3	53999.3	41861.0	27357.9	14018.0	5856.2	2832.8
0°	101818.9	83477.6	72839.7	66274.3	61409.2	54413.1	42314.5	27741.6	14233.7	5929.1	2866.9
-2.5°	100723.6	82918.9	72533.2	66070.8	61145.3	53999.3	41861.0	27357.9	14018.0	5856.2	2832.8
-5°	97485.4	81262.1	71622.4	65464.9	60358.4	52764.6	40506.4	26211.3	13372.9	5638.3	2730.7
-7.5°	92237.7	78561.4	70131.3	64469.9	59063.0	50727.9	38268.8	24314.7	12304.8	5277.2	2561.4
-10°	85174.2	74898.2	68097.0	63106.3	57281.6	47919.6	35176.5	21689.0	10824.0	4775.8	2326.2
-12.5°	79441.6	71315.3	65748.8	61396.3	55043.4	44378.9	31267.0	18361.9	8944.0	4138.4	2026.7
-15°	73630.2	68050.3	63541.0	58492.3	50899.9	39709.6	26669.4	14366.7	6681.4	3369.8	1665.1
-17.5°	69328.7	64868.7	60877.0	55181.7	45625.8	33851.6	21658.6	11471.2	5238.1	2667.0	1288.8
-20°	65319.0	61887.6	56908.4	49388.7	39217.2	27322.6	16025.1	8263.6	4143.0	2149.3	1177.7



REPORT NUMBER: P699993 (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°	61887.6	57492.2	51306.7	42478.5	31472.0	20645.4	11518.8	5482.5	2929.1	1574.0	1054.1
-25°	56908.4	51306.7	43401.3	33597.7	23473.6	13739.3	7379.4	4059.7	2221.8	1219.4	933.7
-27.5°	49388.7	42478.5	33597.7	24426.1	15261.3	9004.6	4829.0	2695.2	1492.5	1061.7	893.4
-30°	39217.2	31472.0	23473.6	15261.3	9551.2	5218.4	3095.5	1864.5	1166.1	926.7	850.2
-32.5°	27322.6	20645.4	13739.3	9004.6	5218.4	3285.2	2052.5	1229.6	975.3	877.6	793.0
-35°	16025.1	11518.8	7379.4	4829.0	3095.5	2052.5	1250.9	1016.8	894.3	821.5	729.1
-37.5°	8263.6	5482.5	4059.7	2695.2	1864.5	1229.6	1016.8	899.9	835.9	750.2	645.5
-40°	4143.0	2929.1	2221.8	1492.5	1166.1	975.3	894.3	835.9	757.3	664.4	550.7
-42.5°	2149.3	1574.0	1219.4	1061.7	926.7	877.6	821.5	750.2	664.4	560.0	456.3
-45°	1177.7	1054.1	933.7	893.4	850.2	793.0	729.1	645.5	550.7	456.3	359.8
-47.5°	915.9	884.5	850.0	803.8	750.8	689.3	608.2	523.3	439.0	355.0	303.8
-50°	821.8	783.5	741.4	691.1	624.2	552.9	480.0	404.6	340.6	294.4	253.7
-52.5°	700.6	652.7	599.9	542.4	483.0	420.3	356.4	316.9	275.6	245.4	218.8
-55°	537.6	495.5	449.4	399.3	351.5	318.9	284.3	254.4	231.7	208.0	178.5
-57.5°	381.8	350.7	326.9	301.0	273.0	251.7	232.8	212.8	188.8	162.5	138.0
-60°	284.3	264.7	251.7	237.7	222.5	206.0	185.3	163.4	140.4	130.5	120.6
-62.5°	223.8	213.3	200.5	185.3	168.8	151.2	136.9	129.0	120.7	112.2	104.6
-65°	164.2	152.9	140.4	134.6	128.8	122.5	115.8	109.4	103.1	96.4	89.7
-67.5°	124.6	120.6	116.2	111.7	107.3	102.5	97.5	92.1	87.1	82.3	77.2
-70°	101.8	98.8	95.5	92.0	88.5	85.1	81.4	77.5	73.4	69.6	65.8
-72.5°	82.5	80.4	78.0	75.5	72.7	70.1	67.4	64.6	61.6	58.4	55.4
-75°	66.3	64.8	63.1	61.3	59.3	57.2	55.2	53.3	51.3	49.1	46.9
-77.5°	52.7	51.8	50.7	49.5	48.2	46.7	45.2	43.7	42.1	40.5	38.8
-80°	41.4	40.7	39.9	39.0	38.1	37.1	36.0	34.8	33.6	32.4	31.2
-82.5°	31.2	30.8	30.3	29.7	29.1	28.5	27.8	27.1	26.3	25.5	24.7
-85°	22.7	22.5	22.2	22.0	21.7	21.3	21.0	20.6	20.2	19.8	19.4
-87.5°	15.4	15.2	14.9	14.5	14.2	13.8	13.4	13.0	12.6	12.1	11.6
-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: P699993 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4R-S

**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°	11.1	10.5	10.0	9.4	8.8	8.2	7.6	6.9	6.3	5.6	4.9
85°	18.9	18.4	18.0	17.5	16.9	16.4	15.1	13.8	12.5	11.2	9.9
82.5°	23.8	23.1	22.3	21.6	20.8	20.0	19.2	18.3	17.4	16.6	14.8
80°	30.1	28.8	27.6	26.3	24.9	23.5	22.4	21.3	20.2	19.0	17.8
77.5°	37.0	35.1	33.2	31.5	29.8	28.1	26.3	24.5	22.9	21.4	19.9
75°	44.5	42.3	40.0	37.6	35.1	32.7	30.5	28.4	26.1	23.9	22.1
72.5°	52.7	49.8	46.9	43.9	41.0	38.1	35.1	32.2	29.6	27.0	24.3
70°	61.8	57.7	54.1	50.7	47.1	43.5	40.1	36.6	33.0	30.0	27.0
67.5°	71.9	67.3	62.5	57.6	53.4	49.3	45.1	41.1	37.1	33.0	29.6
65°	83.8	77.6	71.4	66.0	60.4	55.0	50.4	45.6	41.1	36.6	32.2
62.5°	96.6	88.8	81.8	74.6	68.1	61.8	55.6	50.4	45.1	40.1	35.1
60°	110.8	101.8	92.5	84.3	76.3	68.8	61.8	55.0	49.3	43.5	38.1
57.5°	126.8	115.3	104.9	94.6	85.2	76.3	68.1	60.4	53.4	47.1	41.0
55°	147.9	130.6	117.8	105.9	94.6	84.3	74.6	66.0	57.6	50.7	43.9
52.5°	188.2	154.3	131.8	117.8	104.9	92.5	81.8	71.4	62.5	54.1	46.9
50°	224.3	191.4	154.3	130.6	115.3	101.8	88.8	77.6	67.3	57.7	49.8
47.5°	256.4	224.3	188.2	147.9	126.8	110.8	96.6	83.8	71.9	61.8	52.7
45°	303.8	253.7	218.8	178.5	138.0	120.6	104.6	89.7	77.2	65.8	55.4
42.5°	355.0	294.4	245.4	208.0	162.5	130.5	112.2	96.4	82.3	69.6	58.4
40°	439.0	340.6	275.6	231.7	188.8	140.4	120.7	103.1	87.1	73.4	61.6
37.5°	523.3	404.6	316.9	254.4	212.8	163.4	129.0	109.4	92.1	77.5	64.6
35°	608.2	480.0	356.4	284.3	232.8	185.3	136.9	115.8	97.5	81.4	67.4
32.5°	689.3	552.9	420.3	318.9	251.7	206.0	151.2	122.5	102.5	85.1	70.1
30°	750.8	624.2	483.0	351.5	273.0	222.5	168.8	128.8	107.3	88.5	72.7
27.5°	803.8	691.1	542.4	399.3	301.0	237.7	185.3	134.6	111.7	92.0	75.5
25°	850.0	741.4	599.9	449.4	326.9	251.7	200.5	140.4	116.2	95.5	78.0
22.5°	884.5	783.5	652.7	495.5	350.7	264.7	213.3	152.9	120.6	98.8	80.4
20°	915.9	821.8	700.6	537.6	381.8	284.3	223.8	164.2	124.6	101.8	82.5
17.5°	956.2	852.1	734.1	576.9	415.8	301.7	233.1	174.2	128.1	104.4	84.3
15°	1046.3	874.9	761.7	611.2	445.6	316.9	241.3	183.0	131.2	106.7	86.0
12.5°	1123.5	894.4	785.3	640.6	471.0	329.9	248.2	190.5	133.8	108.6	87.3
10°	1187.3	910.5	804.8	664.8	491.9	340.6	254.0	196.6	136.0	110.2	88.5
7.5°	1237.4	923.1	820.1	683.7	508.3	349.0	258.4	201.4	137.6	111.5	89.4
5°	1273.4	932.2	831.0	697.3	520.0	355.0	261.6	204.8	138.8	112.4	90.0
2.5°	1295.1	937.7	837.6	705.5	527.0	358.6	263.6	206.9	139.6	112.9	90.4
0°	1302.4	939.5	839.8	708.2	529.4	359.8	264.2	207.6	139.8	113.1	90.5
-2.5°	1295.1	937.7	837.6	705.5	527.0	358.6	263.6	206.9	139.6	112.9	90.4
-5°	1273.4	932.2	831.0	697.3	520.0	355.0	261.6	204.8	138.8	112.4	90.0
-7.5°	1237.4	923.1	820.1	683.7	508.3	349.0	258.4	201.4	137.6	111.5	89.4
-10°	1187.3	910.5	804.8	664.8	491.9	340.6	254.0	196.6	136.0	110.2	88.5
-12.5°	1123.5	894.4	785.3	640.6	471.0	329.9	248.2	190.5	133.8	108.6	87.3
-15°	1046.3	874.9	761.7	611.2	445.6	316.9	241.3	183.0	131.2	106.7	86.0
-17.5°	956.2	852.1	734.1	576.9	415.8	301.7	233.1	174.2	128.1	104.4	84.3
-20°	915.9	821.8	700.6	537.6	381.8	284.3	223.8	164.2	124.6	101.8	82.5



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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°	884.5	783.5	652.7	495.5	350.7	264.7	213.3	152.9	120.6	98.8	80.4
-25°	850.0	741.4	599.9	449.4	326.9	251.7	200.5	140.4	116.2	95.5	78.0
-27.5°	803.8	691.1	542.4	399.3	301.0	237.7	185.3	134.6	111.7	92.0	75.5
-30°	750.8	624.2	483.0	351.5	273.0	222.5	168.8	128.8	107.3	88.5	72.7
-32.5°	689.3	552.9	420.3	318.9	251.7	206.0	151.2	122.5	102.5	85.1	70.1
-35°	608.2	480.0	356.4	284.3	232.8	185.3	136.9	115.8	97.5	81.4	67.4
-37.5°	523.3	404.6	316.9	254.4	212.8	163.4	129.0	109.4	92.1	77.5	64.6
-40°	439.0	340.6	275.6	231.7	188.8	140.4	120.7	103.1	87.1	73.4	61.6
-42.5°	355.0	294.4	245.4	208.0	162.5	130.5	112.2	96.4	82.3	69.6	58.4
-45°	303.8	253.7	218.8	178.5	138.0	120.6	104.6	89.7	77.2	65.8	55.4
-47.5°	256.4	224.3	188.2	147.9	126.8	110.8	96.6	83.8	71.9	61.8	52.7
-50°	224.3	191.4	154.3	130.6	115.3	101.8	88.8	77.6	67.3	57.7	49.8
-52.5°	188.2	154.3	131.8	117.8	104.9	92.5	81.8	71.4	62.5	54.1	46.9
-55°	147.9	130.6	117.8	105.9	94.6	84.3	74.6	66.0	57.6	50.7	43.9
-57.5°	126.8	115.3	104.9	94.6	85.2	76.3	68.1	60.4	53.4	47.1	41.0
-60°	110.8	101.8	92.5	84.3	76.3	68.8	61.8	55.0	49.3	43.5	38.1
-62.5°	96.6	88.8	81.8	74.6	68.1	61.8	55.6	50.4	45.1	40.1	35.1
-65°	83.8	77.6	71.4	66.0	60.4	55.0	50.4	45.6	41.1	36.6	32.2
-67.5°	71.9	67.3	62.5	57.6	53.4	49.3	45.1	41.1	37.1	33.0	29.6
-70°	61.8	57.7	54.1	50.7	47.1	43.5	40.1	36.6	33.0	30.0	27.0
-72.5°	52.7	49.8	46.9	43.9	41.0	38.1	35.1	32.2	29.6	27.0	24.3
-75°	44.5	42.3	40.0	37.6	35.1	32.7	30.5	28.4	26.1	23.9	22.1
-77.5°	37.0	35.1	33.2	31.5	29.8	28.1	26.3	24.5	22.9	21.4	19.9
-80°	30.1	28.8	27.6	26.3	24.9	23.5	22.4	21.3	20.2	19.0	17.8
-82.5°	23.8	23.1	22.3	21.6	20.8	20.0	19.2	18.3	17.4	16.6	14.8
-85°	18.9	18.4	18.0	17.5	16.9	16.4	15.1	13.8	12.5	11.2	9.9
-87.5°	11.1	10.5	10.0	9.4	8.8	8.2	7.6	6.9	6.3	5.6	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
85°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
82.5°	12.7	10.6	8.5	6.4	4.3	2.1	0.0
80°	16.6	14.1	11.3	8.5	5.7	2.8	0.0
77.5°	18.4	16.9	14.1	10.6	7.1	3.5	0.0
75°	20.3	18.4	16.6	12.7	8.5	4.2	0.0
72.5°	22.1	19.9	17.8	14.8	9.9	4.9	0.0
70°	23.9	21.4	19.0	16.6	11.2	5.6	0.0
67.5°	26.1	22.9	20.2	17.4	12.5	6.3	0.0
65°	28.4	24.5	21.3	18.3	13.8	6.9	0.0
62.5°	30.5	26.3	22.4	19.2	15.1	7.6	0.0
60°	32.7	28.1	23.5	20.0	16.4	8.2	0.0
57.5°	35.1	29.8	24.9	20.8	16.9	8.8	0.0
55°	37.6	31.5	26.3	21.6	17.5	9.4	0.0
52.5°	40.0	33.2	27.6	22.3	18.0	10.0	0.0
50°	42.3	35.1	28.8	23.1	18.4	10.5	0.0
47.5°	44.5	37.0	30.1	23.8	18.9	11.1	0.0
45°	46.9	38.8	31.2	24.7	19.4	11.6	0.0
42.5°	49.1	40.5	32.4	25.5	19.8	12.1	0.0
40°	51.3	42.1	33.6	26.3	20.2	12.6	0.0
37.5°	53.3	43.7	34.8	27.1	20.6	13.0	0.0
35°	55.2	45.2	36.0	27.8	21.0	13.4	0.0
32.5°	57.2	46.7	37.1	28.5	21.3	13.8	0.0
30°	59.3	48.2	38.1	29.1	21.7	14.2	0.0
27.5°	61.3	49.5	39.0	29.7	22.0	14.5	0.0
25°	63.1	50.7	39.9	30.3	22.2	14.9	0.0
22.5°	64.8	51.8	40.7	30.8	22.5	15.2	0.0
20°	66.3	52.7	41.4	31.2	22.7	15.4	0.0
17.5°	67.6	53.6	42.1	31.6	22.9	15.6	0.0
15°	68.8	54.4	42.6	31.9	23.1	15.8	0.0
12.5°	69.7	55.0	43.1	32.2	23.3	16.0	0.0
10°	70.6	55.6	43.5	32.5	23.4	16.2	0.0
7.5°	71.2	56.0	43.8	32.7	23.5	16.3	0.0
5°	71.6	56.3	44.0	32.8	23.5	16.3	0.0
2.5°	71.9	56.4	44.2	32.9	23.6	16.4	0.0
0°	72.0	56.5	44.2	32.9	23.6	16.4	0.0
-2.5°	71.9	56.4	44.2	32.9	23.6	16.4	0.0
-5°	71.6	56.3	44.0	32.8	23.5	16.3	0.0
-7.5°	71.2	56.0	43.8	32.7	23.5	16.3	0.0
-10°	70.6	55.6	43.5	32.5	23.4	16.2	0.0
-12.5°	69.7	55.0	43.1	32.2	23.3	16.0	0.0
-15°	68.8	54.4	42.6	31.9	23.1	15.8	0.0
-17.5°	67.6	53.6	42.1	31.6	22.9	15.6	0.0
-20°	66.3	52.7	41.4	31.2	22.7	15.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	64.8	51.8	40.7	30.8	22.5	15.2	0.0
-25°	63.1	50.7	39.9	30.3	22.2	14.9	0.0
-27.5°	61.3	49.5	39.0	29.7	22.0	14.5	0.0
-30°	59.3	48.2	38.1	29.1	21.7	14.2	0.0
-32.5°	57.2	46.7	37.1	28.5	21.3	13.8	0.0
-35°	55.2	45.2	36.0	27.8	21.0	13.4	0.0
-37.5°	53.3	43.7	34.8	27.1	20.6	13.0	0.0
-40°	51.3	42.1	33.6	26.3	20.2	12.6	0.0
-42.5°	49.1	40.5	32.4	25.5	19.8	12.1	0.0
-45°	46.9	38.8	31.2	24.7	19.4	11.6	0.0
-47.5°	44.5	37.0	30.1	23.8	18.9	11.1	0.0
-50°	42.3	35.1	28.8	23.1	18.4	10.5	0.0
-52.5°	40.0	33.2	27.6	22.3	18.0	10.0	0.0
-55°	37.6	31.5	26.3	21.6	17.5	9.4	0.0
-57.5°	35.1	29.8	24.9	20.8	16.9	8.8	0.0
-60°	32.7	28.1	23.5	20.0	16.4	8.2	0.0
-62.5°	30.5	26.3	22.4	19.2	15.1	7.6	0.0
-65°	28.4	24.5	21.3	18.3	13.8	6.9	0.0
-67.5°	26.1	22.9	20.2	17.4	12.5	6.3	0.0
-70°	23.9	21.4	19.0	16.6	11.2	5.6	0.0
-72.5°	22.1	19.9	17.8	14.8	9.9	4.9	0.0
-75°	20.3	18.4	16.6	12.7	8.5	4.2	0.0
-77.5°	18.4	16.9	14.1	10.6	7.1	3.5	0.0
-80°	16.6	14.1	11.3	8.5	5.7	2.8	0.0
-82.5°	12.7	10.6	8.5	6.4	4.3	2.1	0.0
-85°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
-87.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)