

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: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-70-5R-S**

Issue Date: 8/10/2023

**Test Information**

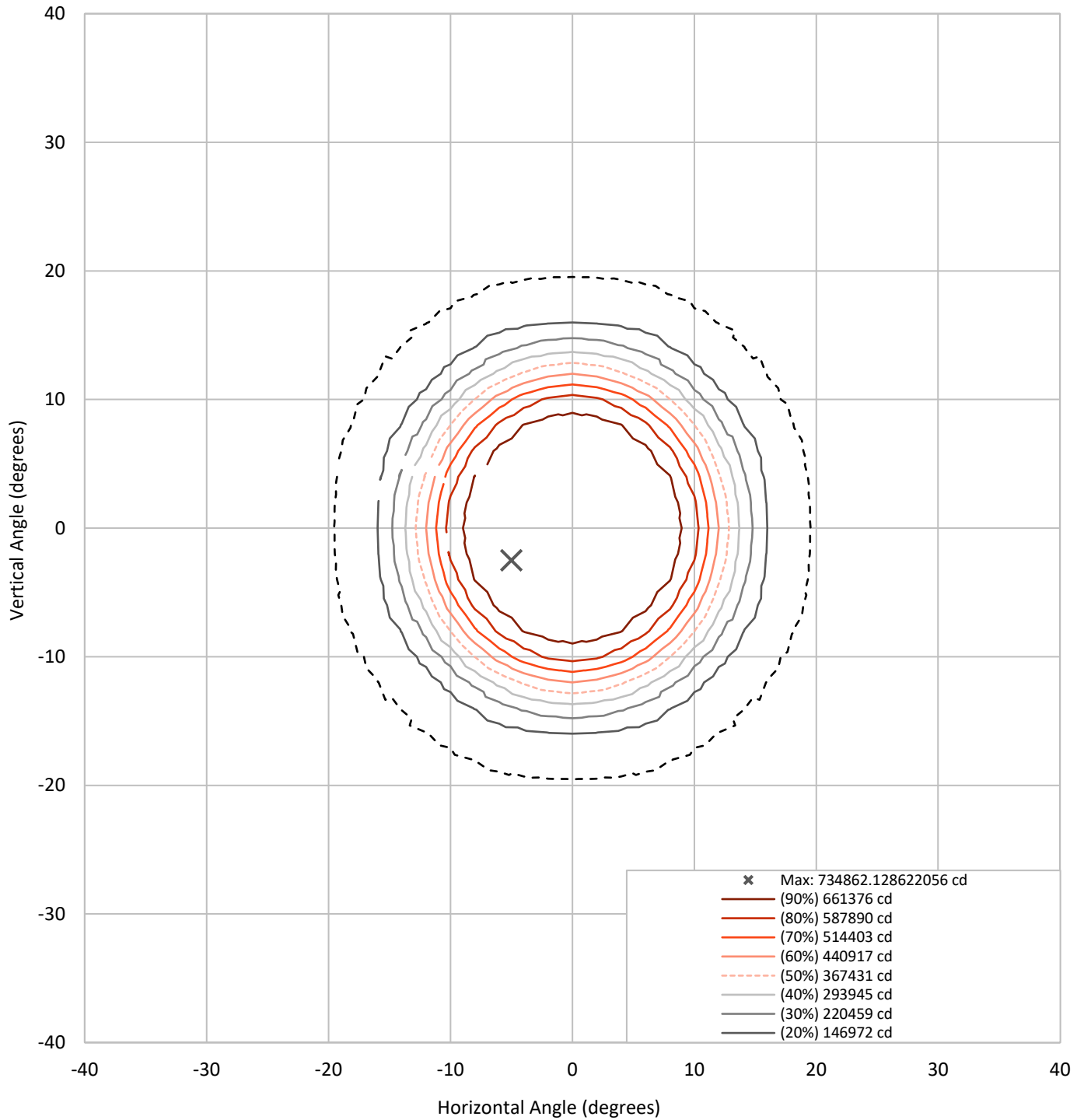
Test Method: LM-79-08  
Report Number: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200L-57-70-5R-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 70 CRI LEDS AND 5R BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	176752.8 lumens	Max Intensity:	734862.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	140.7 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	25.1°H x 23.6°V	Field Angle (10%):	38.9°H x 38.4°V
Beam Lumens:	94094.7 lumens	Field Lumens:	131051.5 lumens
Beam Efficiency:	53.2%	Field Efficiency:	74.1%
Input Watts (W):	1255.9		
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





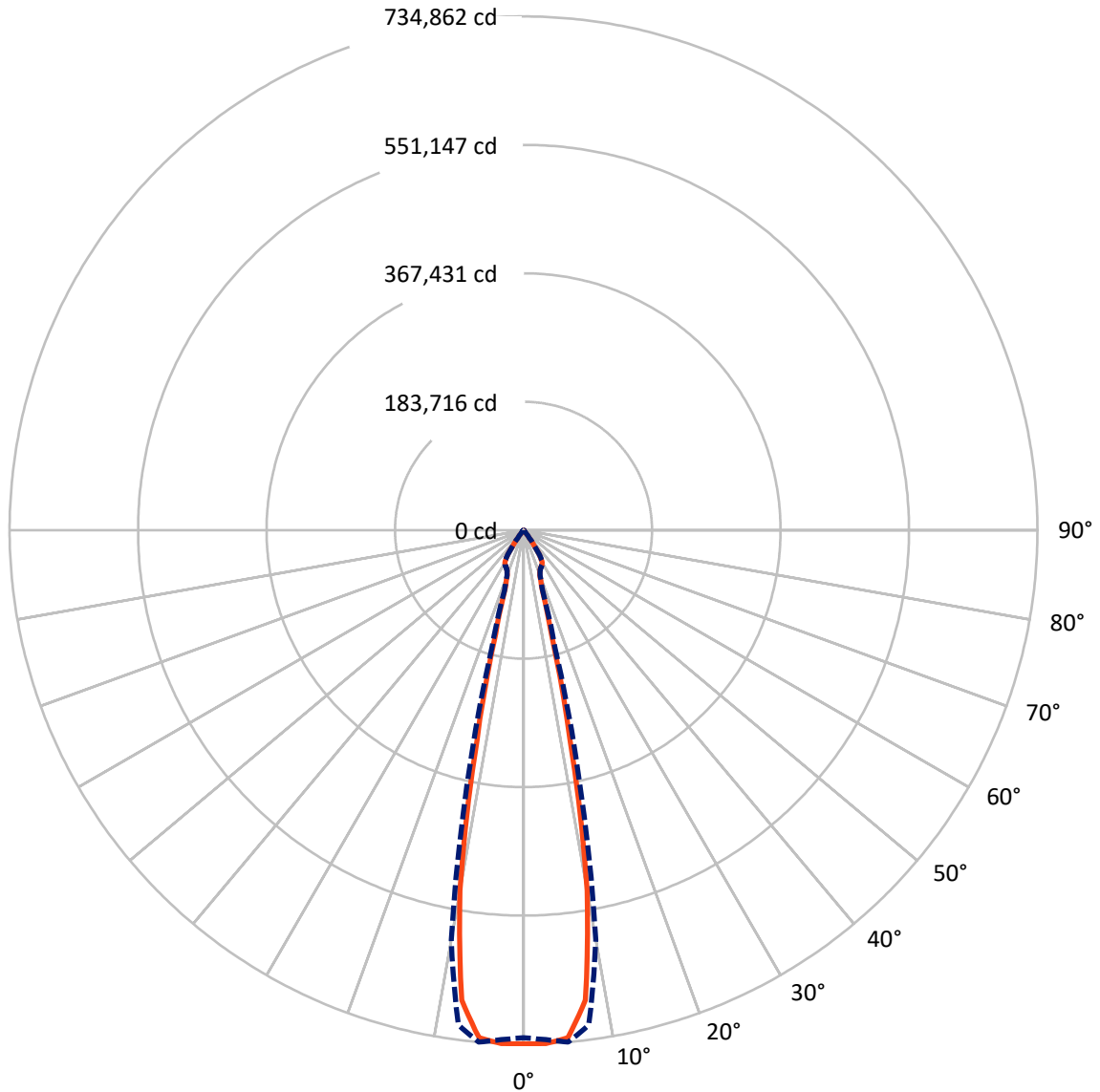
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### Lumen Table

90	0.1	0.9	2.3	3.9	4.6	3.9	2.3	0.9	0.1							
80	0.1	0.9	2.3	3.9	4.6	3.9	2.3	0.9	0.1							
70	0.4	0.4	1.0	1.7	2.5	3.3	4.0	4.4	4.4	4.0	3.3	2.5	1.7	1.0	0.4	0.4
60		0.7	1.6	2.9	4.7	7.8	12.0	14.7	14.7	12.0	7.8	4.7	2.9	1.6	0.7	
50	0.7	1.0	2.3	5.0	12.9	23.2	32.0	40.5	40.5	32.0	23.2	12.9	5.0	2.3	1.0	0.7
40		1.3	3.3	11.2	25.1	93.4	442.3	796.9	796.9	442.3	93.4	25.1	11.2	3.3	1.3	
30	1.0	1.6	5.1	18.2	85.3	798.4	1553.1	1788.4	1788.4	1553.1	798.4	85.3	18.2	5.1	1.6	1.0
20		1.8	7.3	23.6	383.0	1459.3	2226.9	6059.5	6059.5	2226.9	1459.3	383.0	23.6	7.3	1.8	
10	1.1	1.9	8.7	29.2	668.5	1629.1	5914.2	19960.5	19960.5	5914.2	1629.1	668.5	29.2	8.7	1.9	1.1
0		1.9	8.7	29.2	668.5	1629.1	5914.2	19960.5	19960.5	5914.2	1629.1	668.5	29.2	8.7	1.9	
-10	1.0	1.8	7.3	23.6	383.0	1459.3	2226.9	6059.5	6059.5	2226.9	1459.3	383.0	23.6	7.3	1.8	1.0
-20		1.6	5.1	18.2	85.3	798.4	1553.1	1788.4	1788.4	1553.1	798.4	85.3	18.2	5.1	1.6	
-30	0.7	1.3	3.3	11.2	25.1	93.4	442.3	796.9	796.9	442.3	93.4	25.1	11.2	3.3	1.3	0.7
-40		1.0	2.3	5.0	12.9	23.2	32.0	40.5	40.5	32.0	23.2	12.9	5.0	2.3	1.0	
-50	0.4	0.7	1.6	2.9	4.7	7.8	12.0	14.7	14.7	12.0	7.8	4.7	2.9	1.6	0.7	0.4
-60		0.4	1.0	1.7	2.5	3.3	4.0	4.4	4.4	4.0	3.3	2.5	1.7	1.0	0.4	
-70	0.1	0.9	2.3	3.9	4.6	3.9	2.3	0.9	0.1							
-80		0.1	0.9	2.3	3.9	4.6	3.9	2.3	0.9	0.1						
-90	0.1	0.9	2.3	3.9	4.6	3.9	2.3	0.9	0.1							

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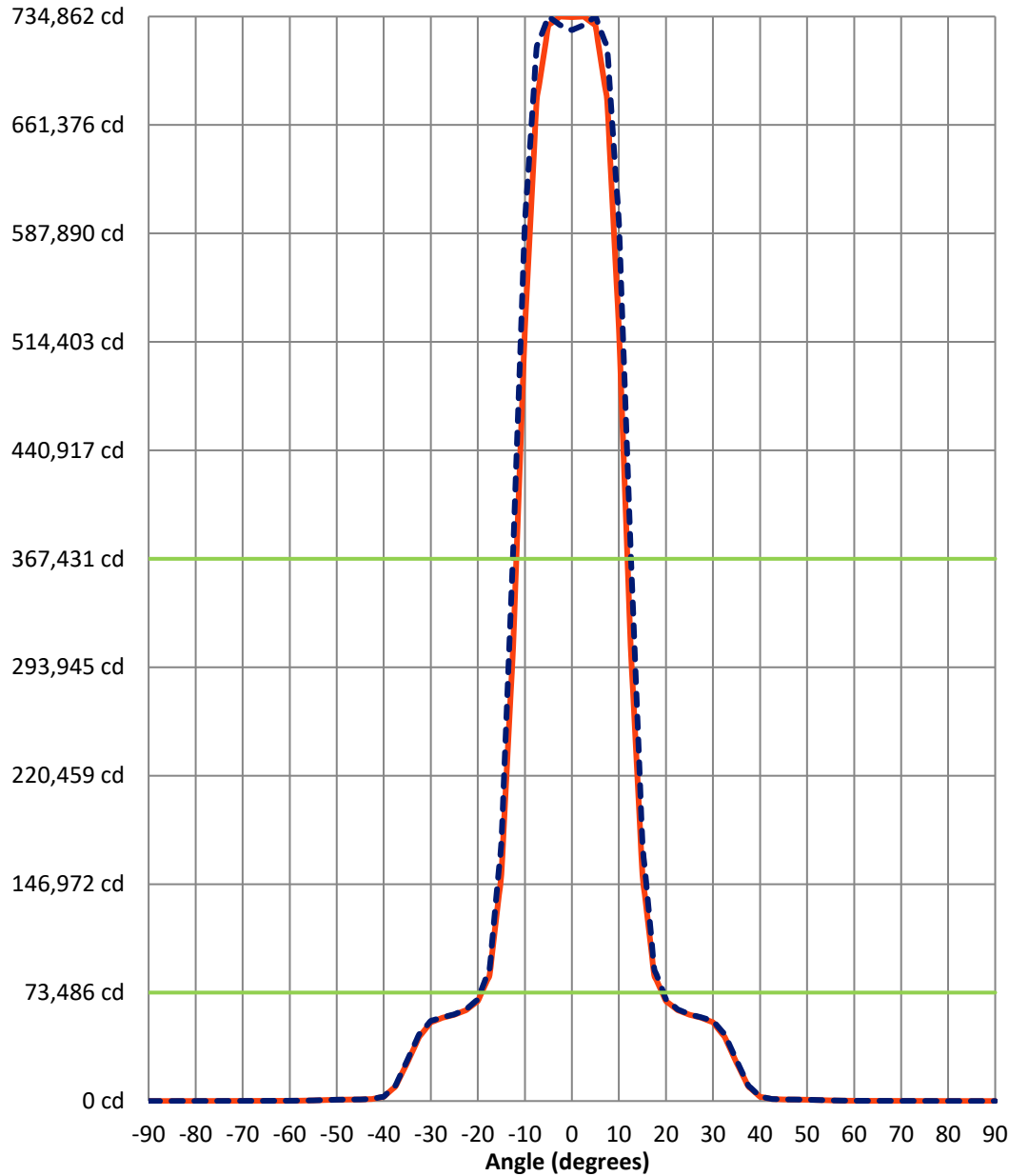
### Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg      - - - Horizontal Distribution Through -2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 25.1°  
 V Angle: 23.6°  
 Lumens: 94094.7  
 Efficiency: 53.2%

**Field:**  
 H Angle: 38.9°  
 V Angle: 38.4°  
 Lumens: 131051.5  
 Efficiency: 74.1%

**Spill:**  
 Lumens: 45701.3  
 Efficiency: 25.9%

— Vertical Distribution through -5-Deg  
 - - Horizontal Distribution through -2.5-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	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.9	7.6
80°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.2	9.1	10.1
77.5°	0.0	1.3	2.6	3.9	5.2	6.4	7.7	9.0	10.2	11.4	12.9
75°	0.0	1.6	3.1	4.6	6.2	7.7	9.2	10.7	12.3	14.5	16.6
72.5°	0.0	1.8	3.6	5.4	7.2	9.0	10.7	12.7	15.3	17.8	20.3
70°	0.0	2.1	4.1	6.1	8.2	10.2	12.3	15.3	18.2	21.1	24.6
67.5°	0.0	2.3	4.6	6.9	9.1	11.4	14.5	17.8	21.1	25.1	29.0
65°	0.0	2.5	5.1	7.6	10.1	12.9	16.6	20.3	24.6	29.0	33.5
62.5°	0.0	2.8	5.5	8.3	11.0	14.6	18.7	23.1	28.0	32.9	38.5
60°	0.0	3.0	6.0	9.0	12.0	16.4	20.8	26.0	31.3	37.4	43.4
57.5°	0.0	3.2	6.4	9.7	13.3	18.0	23.2	28.9	35.1	41.7	48.7
55°	0.0	3.4	6.9	10.3	14.6	19.7	25.6	31.7	38.8	46.1	54.2
52.5°	0.0	3.7	7.3	10.9	15.8	21.3	27.9	34.8	42.5	50.8	59.5
50°	0.0	3.9	7.7	11.6	17.1	23.2	30.1	38.0	46.2	55.4	66.7
47.5°	0.0	4.1	8.1	12.2	18.3	25.0	32.4	41.0	50.2	59.9	74.0
45°	0.0	4.2	8.5	13.1	19.4	26.7	34.8	43.8	54.0	66.2	81.0
42.5°	0.0	4.4	8.8	13.9	20.5	28.4	37.2	46.9	57.6	72.2	86.5
40°	0.0	4.6	9.2	14.7	21.6	30.0	39.5	49.9	61.7	78.0	91.4
37.5°	0.0	4.8	9.5	15.4	22.8	31.5	41.6	52.8	66.5	83.2	96.2
35°	0.0	4.9	9.8	16.1	24.0	33.1	43.6	55.6	71.2	87.2	100.9
32.5°	0.0	5.1	10.1	16.8	25.1	34.7	45.7	58.1	75.5	91.0	105.7
30°	0.0	5.2	10.4	17.4	26.1	36.2	47.7	60.8	79.6	94.6	110.2
27.5°	0.0	5.3	10.6	17.9	27.0	37.6	49.6	64.1	83.1	97.9	114.3
25°	0.0	5.4	10.9	18.5	27.8	38.8	51.4	67.2	85.8	101.2	118.2
22.5°	0.0	5.5	11.1	18.9	28.6	40.0	53.0	69.9	88.3	104.4	122.2
20°	0.0	5.6	11.3	19.4	29.3	41.0	54.5	72.4	90.5	107.2	125.9
17.5°	0.0	5.7	11.4	19.7	29.9	41.9	55.7	74.7	92.5	109.7	129.2
15°	0.0	5.8	11.6	20.1	30.5	42.8	56.9	76.6	94.2	111.9	132.0
12.5°	0.0	5.9	11.7	20.4	30.9	43.4	57.8	78.2	95.6	113.7	134.4
10°	0.0	5.9	11.8	20.6	31.3	44.0	58.6	79.6	96.8	115.3	136.4
7.5°	0.0	5.9	11.9	20.8	31.6	44.4	59.2	80.6	97.8	116.5	138.0
5°	0.0	6.0	12.0	20.9	31.8	44.7	59.6	81.4	98.5	117.3	139.1
2.5°	0.0	6.0	12.0	21.0	32.0	44.9	59.9	81.8	98.9	117.8	139.8
0°	0.0	6.0	12.0	21.0	32.0	45.0	60.0	82.0	99.0	118.0	140.0
-2.5°	0.0	6.0	12.0	21.0	32.0	45.0	60.0	82.0	99.0	118.0	140.0
-5°	0.0	6.0	12.0	20.9	31.8	44.7	59.6	81.4	98.5	117.3	139.1
-7.5°	0.0	5.9	11.9	20.8	31.6	44.4	59.2	80.6	97.8	116.5	138.0
-10°	0.0	5.9	11.8	20.6	31.3	44.0	58.6	79.6	96.8	115.3	136.4
-12.5°	0.0	5.9	11.7	20.4	30.9	43.4	57.8	78.2	95.6	113.7	134.4
-15°	0.0	5.8	11.6	20.1	30.5	42.8	56.9	76.6	94.2	111.9	132.0
-17.5°	0.0	5.7	11.4	19.7	29.9	41.9	55.7	74.7	92.5	109.7	129.2
-20°	0.0	5.6	11.3	19.4	29.3	41.0	54.5	72.4	90.5	107.2	125.9



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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	5.5	11.1	18.9	28.6	40.0	53.0	69.9	88.3	104.4	122.2
-25°	0.0	5.4	10.9	18.5	27.8	38.8	51.4	67.2	85.8	101.2	118.2
-27.5°	0.0	5.3	10.6	17.9	27.0	37.6	49.6	64.1	83.1	97.9	114.3
-30°	0.0	5.2	10.4	17.4	26.1	36.2	47.7	60.8	79.6	94.6	110.2
-32.5°	0.0	5.1	10.1	16.8	25.1	34.7	45.7	58.1	75.5	91.0	105.7
-35°	0.0	4.9	9.8	16.1	24.0	33.1	43.6	55.6	71.2	87.2	100.9
-37.5°	0.0	4.8	9.5	15.4	22.8	31.5	41.6	52.8	66.5	83.2	96.2
-40°	0.0	4.6	9.2	14.7	21.6	30.0	39.5	49.9	61.7	78.0	91.4
-42.5°	0.0	4.4	8.8	13.9	20.5	28.4	37.2	46.9	57.6	72.2	86.5
-45°	0.0	4.2	8.5	13.1	19.4	26.7	34.8	43.8	54.0	66.2	81.0
-47.5°	0.0	4.1	8.1	12.2	18.3	25.0	32.4	41.0	50.2	59.9	74.0
-50°	0.0	3.9	7.7	11.6	17.1	23.2	30.1	38.0	46.2	55.4	66.7
-52.5°	0.0	3.7	7.3	10.9	15.8	21.3	27.9	34.8	42.5	50.8	59.5
-55°	0.0	3.4	6.9	10.3	14.6	19.7	25.6	31.7	38.8	46.1	54.2
-57.5°	0.0	3.2	6.4	9.7	13.3	18.0	23.2	28.9	35.1	41.7	48.7
-60°	0.0	3.0	6.0	9.0	12.0	16.4	20.8	26.0	31.3	37.4	43.4
-62.5°	0.0	2.8	5.5	8.3	11.0	14.6	18.7	23.1	28.0	32.9	38.5
-65°	0.0	2.5	5.1	7.6	10.1	12.9	16.6	20.3	24.6	29.0	33.5
-67.5°	0.0	2.3	4.6	6.9	9.1	11.4	14.5	17.8	21.1	25.1	29.0
-70°	0.0	2.1	4.1	6.1	8.2	10.2	12.3	15.3	18.2	21.1	24.6
-72.5°	0.0	1.8	3.6	5.4	7.2	9.0	10.7	12.7	15.3	17.8	20.3
-75°	0.0	1.6	3.1	4.6	6.2	7.7	9.2	10.7	12.3	14.5	16.6
-77.5°	0.0	1.3	2.6	3.9	5.2	6.4	7.7	9.0	10.2	11.4	12.9
-80°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.2	9.1	10.1
-82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.9	7.6
-85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
-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):**

	-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°	2.8	3.0	3.2	3.4	3.7	3.9	4.1	4.2	4.4	4.6	4.8
85°	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.5	8.8	9.2	9.5
82.5°	8.3	9.0	9.7	10.3	10.9	11.6	12.2	13.1	13.9	14.7	15.4
80°	11.0	12.0	13.3	14.6	15.8	17.1	18.3	19.4	20.5	21.6	22.8
77.5°	14.6	16.4	18.0	19.7	21.3	23.2	25.0	26.7	28.4	30.0	31.5
75°	18.7	20.8	23.2	25.6	27.9	30.1	32.4	34.8	37.2	39.5	41.6
72.5°	23.1	26.0	28.9	31.7	34.8	38.0	41.0	43.8	46.9	49.9	52.8
70°	28.0	31.3	35.1	38.8	42.5	46.2	50.2	54.0	57.6	61.7	66.5
67.5°	32.9	37.4	41.7	46.1	50.8	55.4	59.9	66.2	72.2	78.0	83.2
65°	38.5	43.4	48.7	54.2	59.5	66.7	74.0	81.0	86.5	91.4	96.2
62.5°	44.0	50.1	56.2	63.1	71.7	79.9	86.6	92.6	98.3	104.4	110.3
60°	50.1	56.9	65.1	74.7	83.5	90.5	97.2	104.4	111.4	118.2	125.7
57.5°	56.2	65.1	75.7	85.1	92.8	100.6	108.8	116.7	125.4	133.9	142.7
55°	63.1	74.7	85.1	93.6	102.3	111.4	120.6	130.6	140.2	152.3	164.0
52.5°	71.7	83.5	92.8	102.3	112.3	122.7	133.7	145.8	159.4	173.5	190.0
50°	79.9	90.5	100.6	111.4	122.7	134.8	148.6	163.6	181.0	199.4	230.0
47.5°	86.6	97.2	108.8	120.6	133.7	148.6	165.0	184.8	205.1	247.6	290.9
45°	92.6	104.4	116.7	130.6	145.8	163.6	184.8	207.0	256.5	311.9	391.4
42.5°	98.3	111.4	125.4	140.2	159.4	181.0	205.1	256.5	319.7	407.3	524.4
40°	104.4	118.2	133.9	152.3	173.5	199.4	247.6	311.9	407.3	537.9	688.6
37.5°	110.3	125.7	142.7	164.0	190.0	230.0	290.9	391.4	524.4	688.6	823.2
35°	115.9	132.8	152.9	177.0	205.7	268.7	360.1	483.9	661.0	811.3	932.8
32.5°	121.7	139.5	162.6	190.7	238.0	313.7	428.1	606.3	776.1	918.9	1003.7
30°	127.4	147.6	172.5	203.7	270.2	373.6	525.5	718.0	880.0	982.5	1047.0
27.5°	132.8	155.4	183.6	227.2	304.9	429.7	627.1	809.5	947.7	1034.4	1075.2
25°	137.7	162.6	193.9	253.0	353.1	507.6	717.6	894.8	1000.3	1059.1	1217.3
22.5°	142.9	169.2	203.4	276.6	397.4	588.3	790.6	945.2	1037.2	1088.1	1380.0
20°	148.3	177.0	218.3	300.9	437.6	661.6	857.1	986.4	1056.7	1226.9	1897.4
17.5°	153.1	183.9	235.7	333.8	493.6	722.1	912.6	1023.5	1074.2	1352.0	2538.1
15°	157.3	190.0	251.0	362.6	546.5	770.3	942.6	1040.3	1138.5	1581.3	3166.2
12.5°	160.8	195.1	264.0	387.3	591.7	811.6	968.3	1052.5	1226.3	2033.3	5456.4
10°	163.8	199.4	274.8	407.6	629.0	845.7	989.6	1062.7	1299.2	2408.8	7363.5
7.5°	166.0	202.7	283.2	423.4	658.2	872.4	1006.3	1070.7	1356.5	2704.7	8868.6
5°	167.7	205.1	289.2	434.8	679.2	891.6	1018.3	1076.4	1397.8	2918.0	9955.8
2.5°	168.7	206.5	292.8	441.7	691.8	903.1	1025.6	1079.8	1422.7	3046.9	10613.1
0°	169.0	207.0	294.0	444.0	696.0	907.0	1028.0	1081.0	1431.0	3090.0	10833.0
-2.5°	168.7	206.5	292.8	441.7	691.8	903.1	1025.6	1079.8	1422.7	3046.9	10613.1
-5°	167.7	205.1	289.2	434.8	679.2	891.6	1018.3	1076.4	1397.8	2918.0	9955.8
-7.5°	166.0	202.7	283.2	423.4	658.2	872.4	1006.3	1070.7	1356.5	2704.7	8868.6
-10°	163.8	199.4	274.8	407.6	629.0	845.7	989.6	1062.7	1299.2	2408.8	7363.5
-12.5°	160.8	195.1	264.0	387.3	591.7	811.6	968.3	1052.5	1226.3	2033.3	5456.4
-15°	157.3	190.0	251.0	362.6	546.5	770.3	942.6	1040.3	1138.5	1581.3	3166.2
-17.5°	153.1	183.9	235.7	333.8	493.6	722.1	912.6	1023.5	1074.2	1352.0	2538.1
-20°	148.3	177.0	218.3	300.9	437.6	661.6	857.1	986.4	1056.7	1226.9	1897.4



REPORT NUMBER: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5R-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	142.9	169.2	203.4	276.6	397.4	588.3	790.6	945.2	1037.2	1088.1	1380.0
-25°	137.7	162.6	193.9	253.0	353.1	507.6	717.6	894.8	1000.3	1059.1	1217.3
-27.5°	132.8	155.4	183.6	227.2	304.9	429.7	627.1	809.5	947.7	1034.4	1075.2
-30°	127.4	147.6	172.5	203.7	270.2	373.6	525.5	718.0	880.0	982.5	1047.0
-32.5°	121.7	139.5	162.6	190.7	238.0	313.7	428.1	606.3	776.1	918.9	1003.7
-35°	115.9	132.8	152.9	177.0	205.7	268.7	360.1	483.9	661.0	811.3	932.8
-37.5°	110.3	125.7	142.7	164.0	190.0	230.0	290.9	391.4	524.4	688.6	823.2
-40°	104.4	118.2	133.9	152.3	173.5	199.4	247.6	311.9	407.3	537.9	688.6
-42.5°	98.3	111.4	125.4	140.2	159.4	181.0	205.1	256.5	319.7	407.3	524.4
-45°	92.6	104.4	116.7	130.6	145.8	163.6	184.8	207.0	256.5	311.9	391.4
-47.5°	86.6	97.2	108.8	120.6	133.7	148.6	165.0	184.8	205.1	247.6	290.9
-50°	79.9	90.5	100.6	111.4	122.7	134.8	148.6	163.6	181.0	199.4	230.0
-52.5°	71.7	83.5	92.8	102.3	112.3	122.7	133.7	145.8	159.4	173.5	190.0
-55°	63.1	74.7	85.1	93.6	102.3	111.4	120.6	130.6	140.2	152.3	164.0
-57.5°	56.2	65.1	75.7	85.1	92.8	100.6	108.8	116.7	125.4	133.9	142.7
-60°	50.1	56.9	65.1	74.7	83.5	90.5	97.2	104.4	111.4	118.2	125.7
-62.5°	44.0	50.1	56.2	63.1	71.7	79.9	86.6	92.6	98.3	104.4	110.3
-65°	38.5	43.4	48.7	54.2	59.5	66.7	74.0	81.0	86.5	91.4	96.2
-67.5°	32.9	37.4	41.7	46.1	50.8	55.4	59.9	66.2	72.2	78.0	83.2
-70°	28.0	31.3	35.1	38.8	42.5	46.2	50.2	54.0	57.6	61.7	66.5
-72.5°	23.1	26.0	28.9	31.7	34.8	38.0	41.0	43.8	46.9	49.9	52.8
-75°	18.7	20.8	23.2	25.6	27.9	30.1	32.4	34.8	37.2	39.5	41.6
-77.5°	14.6	16.4	18.0	19.7	21.3	23.2	25.0	26.7	28.4	30.0	31.5
-80°	11.0	12.0	13.3	14.6	15.8	17.1	18.3	19.4	20.5	21.6	22.8
-82.5°	8.3	9.0	9.7	10.3	10.9	11.6	12.2	13.1	13.9	14.7	15.4
-85°	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.5	8.8	9.2	9.5
-87.5°	2.8	3.0	3.2	3.4	3.7	3.9	4.1	4.2	4.4	4.6	4.8
-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: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5R-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°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
85°	9.8	10.1	10.4	10.6	10.9	11.1	11.3	11.4	11.6	11.7	11.8
82.5°	16.1	16.8	17.4	17.9	18.5	18.9	19.4	19.7	20.1	20.4	20.6
80°	24.0	25.1	26.1	27.0	27.8	28.6	29.3	29.9	30.5	30.9	31.3
77.5°	33.1	34.7	36.2	37.6	38.8	40.0	41.0	41.9	42.8	43.4	44.0
75°	43.6	45.7	47.7	49.6	51.4	53.0	54.5	55.7	56.9	57.8	58.6
72.5°	55.6	58.1	60.8	64.1	67.2	69.9	72.4	74.7	76.6	78.2	79.6
70°	71.2	75.5	79.6	83.1	85.8	88.3	90.5	92.5	94.2	95.6	96.8
67.5°	87.2	91.0	94.6	97.9	101.2	104.4	107.2	109.7	111.9	113.7	115.3
65°	100.9	105.7	110.2	114.3	118.2	122.2	125.9	129.2	132.0	134.4	136.4
62.5°	115.9	121.7	127.4	132.8	137.7	142.9	148.3	153.1	157.3	160.8	163.8
60°	132.8	139.5	147.6	155.4	162.6	169.2	177.0	183.9	190.0	195.1	199.4
57.5°	152.9	162.6	172.5	183.6	193.9	203.4	218.3	235.7	251.0	264.0	274.8
55°	177.0	190.7	203.7	227.2	253.0	276.6	300.9	333.8	362.6	387.3	407.6
52.5°	205.7	238.0	270.2	304.9	353.1	397.4	437.6	493.6	546.5	591.7	629.0
50°	268.7	313.7	373.6	429.7	507.6	588.3	661.6	722.1	770.3	811.6	845.7
47.5°	360.1	428.1	525.5	627.1	717.6	790.6	857.1	912.6	942.6	968.3	989.6
45°	483.9	606.3	718.0	809.5	894.8	945.2	986.4	1023.5	1040.3	1052.5	1062.7
42.5°	661.0	776.1	880.0	947.7	1000.3	1037.2	1056.7	1074.2	1138.5	1226.3	1299.2
40°	811.3	918.9	982.5	1034.4	1059.1	1088.1	1226.9	1352.0	1581.3	2033.3	2408.8
37.5°	932.8	1003.7	1047.0	1075.2	1217.3	1380.0	1897.4	2538.1	3166.2	5456.4	7363.5
35°	1010.8	1053.4	1107.1	1305.3	1720.7	2547.6	4116.9	7346.1	10218.4	15028.1	19680.2
32.5°	1053.4	1128.8	1349.8	2045.4	2991.2	6765.3	10592.8	18103.6	25074.4	31163.2	36289.9
30°	1107.1	1349.8	2154.6	3679.1	8386.5	15272.0	24488.4	32968.6	40605.3	46501.3	49374.5
27.5°	1305.3	2045.4	3679.1	8932.5	17801.5	28411.6	38417.1	46678.7	50928.7	54656.5	55417.9
25°	1720.7	2991.2	8386.5	17801.5	29747.7	41194.2	48895.3	53989.9	55608.6	56577.5	57382.2
22.5°	2547.6	6765.3	15272.0	28411.6	41194.2	49644.8	54883.0	56191.3	57367.5	58396.0	59539.1
20°	4116.9	10592.8	24488.4	38417.1	48895.3	54883.0	56388.9	57770.2	59130.7	61002.3	62962.8
17.5°	7346.1	18103.6	32968.6	46678.7	53989.9	56191.3	57770.2	59488.4	61761.0	65468.6	69221.2
15°	10218.4	25074.4	40605.3	50928.7	55608.6	57367.5	59130.7	61761.0	66328.1	74402.2	87260.2
12.5°	15028.1	31163.2	46501.3	54656.5	56577.5	58396.0	61002.3	65468.6	74402.2	90383.2	147453.6
10°	19680.2	36289.9	49374.5	55417.9	57382.2	59539.1	62962.8	69221.2	87260.2	147453.6	250906.2
7.5°	23359.8	40356.1	51661.2	56016.2	58023.0	60718.9	65712.8	78254.0	119278.2	217107.2	398717.0
5°	26022.6	43305.1	53324.1	56452.9	58492.7	61588.7	67756.0	85379.8	153448.8	307894.3	522919.4
2.5°	27634.4	45093.0	54334.3	56718.8	58779.6	62122.3	69016.8	89812.9	174963.5	372639.0	594909.7
0°	28174.1	45692.1	54673.1	56808.1	58876.1	62302.2	69443.2	91319.2	182323.5	396473.0	619547.6
-2.5°	27634.4	45093.0	54334.3	56718.8	58779.6	62122.3	69016.8	89812.9	174963.5	372639.0	594909.7
-5°	26022.6	43305.1	53324.1	56452.9	58492.7	61588.7	67756.0	85379.8	153448.8	307894.3	522919.4
-7.5°	23359.8	40356.1	51661.2	56016.2	58023.0	60718.9	65712.8	78254.0	119278.2	217107.2	398717.0
-10°	19680.2	36289.9	49374.5	55417.9	57382.2	59539.1	62962.8	69221.2	87260.2	147453.6	250906.2
-12.5°	15028.1	31163.2	46501.3	54656.5	56577.5	58396.0	61002.3	65468.6	74402.2	90383.2	147453.6
-15°	10218.4	25074.4	40605.3	50928.7	55608.6	57367.5	59130.7	61761.0	66328.1	74402.2	87260.2
-17.5°	7346.1	18103.6	32968.6	46678.7	53989.9	56191.3	57770.2	59488.4	61761.0	65468.6	69221.2
-20°	4116.9	10592.8	24488.4	38417.1	48895.3	54883.0	56388.9	57770.2	59130.7	61002.3	62962.8



REPORT NUMBER: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5R-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2547.6	6765.3	15272.0	28411.6	41194.2	49644.8	54883.0	56191.3	57367.5	58396.0	59539.1
-25°	1720.7	2991.2	8386.5	17801.5	29747.7	41194.2	48895.3	53989.9	55608.6	56577.5	57382.2
-27.5°	1305.3	2045.4	3679.1	8932.5	17801.5	28411.6	38417.1	46678.7	50928.7	54656.5	55417.9
-30°	1107.1	1349.8	2154.6	3679.1	8386.5	15272.0	24488.4	32968.6	40605.3	46501.3	49374.5
-32.5°	1053.4	1128.8	1349.8	2045.4	2991.2	6765.3	10592.8	18103.6	25074.4	31163.2	36289.9
-35°	1010.8	1053.4	1107.1	1305.3	1720.7	2547.6	4116.9	7346.1	10218.4	15028.1	19680.2
-37.5°	932.8	1003.7	1047.0	1075.2	1217.3	1380.0	1897.4	2538.1	3166.2	5456.4	7363.5
-40°	811.3	918.9	982.5	1034.4	1059.1	1088.1	1226.9	1352.0	1581.3	2033.3	2408.8
-42.5°	661.0	776.1	880.0	947.7	1000.3	1037.2	1056.7	1074.2	1138.5	1226.3	1299.2
-45°	483.9	606.3	718.0	809.5	894.8	945.2	986.4	1023.5	1040.3	1052.5	1062.7
-47.5°	360.1	428.1	525.5	627.1	717.6	790.6	857.1	912.6	942.6	968.3	989.6
-50°	268.7	313.7	373.6	429.7	507.6	588.3	661.6	722.1	770.3	811.6	845.7
-52.5°	205.7	238.0	270.2	304.9	353.1	397.4	437.6	493.6	546.5	591.7	629.0
-55°	177.0	190.7	203.7	227.2	253.0	276.6	300.9	333.8	362.6	387.3	407.6
-57.5°	152.9	162.6	172.5	183.6	193.9	203.4	218.3	235.7	251.0	264.0	274.8
-60°	132.8	139.5	147.6	155.4	162.6	169.2	177.0	183.9	190.0	195.1	199.4
-62.5°	115.9	121.7	127.4	132.8	137.7	142.9	148.3	153.1	157.3	160.8	163.8
-65°	100.9	105.7	110.2	114.3	118.2	122.2	125.9	129.2	132.0	134.4	136.4
-67.5°	87.2	91.0	94.6	97.9	101.2	104.4	107.2	109.7	111.9	113.7	115.3
-70°	71.2	75.5	79.6	83.1	85.8	88.3	90.5	92.5	94.2	95.6	96.8
-72.5°	55.6	58.1	60.8	64.1	67.2	69.9	72.4	74.7	76.6	78.2	79.6
-75°	43.6	45.7	47.7	49.6	51.4	53.0	54.5	55.7	56.9	57.8	58.6
-77.5°	33.1	34.7	36.2	37.6	38.8	40.0	41.0	41.9	42.8	43.4	44.0
-80°	24.0	25.1	26.1	27.0	27.8	28.6	29.3	29.9	30.5	30.9	31.3
-82.5°	16.1	16.8	17.4	17.9	18.5	18.9	19.4	19.7	20.1	20.4	20.6
-85°	9.8	10.1	10.4	10.6	10.9	11.1	11.3	11.4	11.6	11.7	11.8
-87.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
-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: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5R-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°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
85°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.4
82.5°	20.8	20.9	21.0	21.0	21.0	20.9	20.8	20.6	20.4	20.1	19.7
80°	31.6	31.8	32.0	32.0	32.0	31.8	31.6	31.3	30.9	30.5	29.9
77.5°	44.4	44.7	44.9	45.0	44.9	44.7	44.4	44.0	43.4	42.8	41.9
75°	59.2	59.6	59.9	60.0	59.9	59.6	59.2	58.6	57.8	56.9	55.7
72.5°	80.6	81.4	81.8	82.0	81.8	81.4	80.6	79.6	78.2	76.6	74.7
70°	97.8	98.5	98.9	99.0	98.9	98.5	97.8	96.8	95.6	94.2	92.5
67.5°	116.5	117.3	117.8	118.0	117.8	117.3	116.5	115.3	113.7	111.9	109.7
65°	138.0	139.1	139.8	140.0	139.8	139.1	138.0	136.4	134.4	132.0	129.2
62.5°	166.0	167.7	168.7	169.0	168.7	167.7	166.0	163.8	160.8	157.3	153.1
60°	202.7	205.1	206.5	207.0	206.5	205.1	202.7	199.4	195.1	190.0	183.9
57.5°	283.2	289.2	292.8	294.0	292.8	289.2	283.2	274.8	264.0	251.0	235.7
55°	423.4	434.8	441.7	444.0	441.7	434.8	423.4	407.6	387.3	362.6	333.8
52.5°	658.2	679.2	691.8	696.0	691.8	679.2	658.2	629.0	591.7	546.5	493.6
50°	872.4	891.6	903.1	907.0	903.1	891.6	872.4	845.7	811.6	770.3	722.1
47.5°	1006.3	1018.3	1025.6	1028.0	1025.6	1018.3	1006.3	989.6	968.3	942.6	912.6
45°	1070.7	1076.4	1079.8	1081.0	1079.8	1076.4	1070.7	1062.7	1052.5	1040.3	1023.5
42.5°	1356.5	1397.8	1422.7	1431.0	1422.7	1397.8	1356.5	1299.2	1226.3	1138.5	1074.2
40°	2704.7	2918.0	3046.9	3090.0	3046.9	2918.0	2704.7	2408.8	2033.3	1581.3	1352.0
37.5°	8868.6	9955.8	10613.1	10833.0	10613.1	9955.8	8868.6	7363.5	5456.4	3166.2	2538.1
35°	23359.8	26022.6	27634.4	28174.1	27634.4	26022.6	23359.8	19680.2	15028.1	10218.4	7346.1
32.5°	40356.1	43305.1	45093.0	45692.1	45093.0	43305.1	40356.1	36289.9	31163.2	25074.4	18103.6
30°	51661.2	53324.1	54334.3	54673.1	54334.3	53324.1	51661.2	49374.5	46501.3	40605.3	32968.6
27.5°	56016.2	56452.9	56718.8	56808.1	56718.8	56452.9	56016.2	55417.9	54656.5	50928.7	46678.7
25°	58023.0	58492.7	58779.6	58876.1	58779.6	58492.7	58023.0	57382.2	56577.5	55608.6	53989.9
22.5°	60718.9	61588.7	62122.3	62302.2	62122.3	61588.7	60718.9	59539.1	58396.0	57367.5	56191.3
20°	65712.8	67756.0	69016.8	69443.2	69016.8	67756.0	65712.8	62962.8	61002.3	59130.7	57770.2
17.5°	78254.0	85379.8	89812.9	91319.2	89812.9	85379.8	78254.0	69221.2	65468.6	61761.0	59488.4
15°	119278.2	153448.8	174963.5	182323.5	174963.5	153448.8	119278.2	87260.2	74402.2	66328.1	61761.0
12.5°	217107.2	307894.3	372639.0	396473.0	372639.0	307894.3	217107.2	147453.6	90383.2	74402.2	65468.6
10°	398717.0	522919.4	594909.7	619547.6	594909.7	522919.4	398717.0	250906.2	147453.6	87260.2	69221.2
7.5°	571723.0	677726.0	713776.6	721057.8	713776.6	677726.0	571723.0	398717.0	217107.2	119278.2	78254.0
5°	677726.0	728880.3	734862.1	734465.9	734862.1	728880.3	677726.0	522919.4	307894.3	153448.8	85379.8
2.5°	713776.6	734862.1	729068.1	725708.8	729068.1	734862.1	713776.6	594909.7	372639.0	174963.5	89812.9
0°	721057.8	734465.9	725708.8	723284.8	725708.8	734465.9	721057.8	619547.6	396473.0	182323.5	91319.2
-2.5°	713776.6	734862.1	729068.1	725708.8	729068.1	734862.1	713776.6	594909.7	372639.0	174963.5	89812.9
-5°	677726.0	728880.3	734862.1	734465.9	734862.1	728880.3	677726.0	522919.4	307894.3	153448.8	85379.8
-7.5°	571723.0	677726.0	713776.6	721057.8	713776.6	677726.0	571723.0	398717.0	217107.2	119278.2	78254.0
-10°	398717.0	522919.4	594909.7	619547.6	594909.7	522919.4	398717.0	250906.2	147453.6	87260.2	69221.2
-12.5°	217107.2	307894.3	372639.0	396473.0	372639.0	307894.3	217107.2	147453.6	90383.2	74402.2	65468.6
-15°	119278.2	153448.8	174963.5	182323.5	174963.5	153448.8	119278.2	87260.2	74402.2	66328.1	61761.0
-17.5°	78254.0	85379.8	89812.9	91319.2	89812.9	85379.8	78254.0	69221.2	65468.6	61761.0	59488.4
-20°	65712.8	67756.0	69016.8	69443.2	69016.8	67756.0	65712.8	62962.8	61002.3	59130.7	57770.2



REPORT NUMBER: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5R-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	60718.9	61588.7	62122.3	62302.2	62122.3	61588.7	60718.9	59539.1	58396.0	57367.5	56191.3
-25°	58023.0	58492.7	58779.6	58876.1	58779.6	58492.7	58023.0	57382.2	56577.5	55608.6	53989.9
-27.5°	56016.2	56452.9	56718.8	56808.1	56718.8	56452.9	56016.2	55417.9	54656.5	50928.7	46678.7
-30°	51661.2	53324.1	54334.3	54673.1	54334.3	53324.1	51661.2	49374.5	46501.3	40605.3	32968.6
-32.5°	40356.1	43305.1	45093.0	45692.1	45093.0	43305.1	40356.1	36289.9	31163.2	25074.4	18103.6
-35°	23359.8	26022.6	27634.4	28174.1	27634.4	26022.6	23359.8	19680.2	15028.1	10218.4	7346.1
-37.5°	8868.6	9955.8	10613.1	10833.0	10613.1	9955.8	8868.6	7363.5	5456.4	3166.2	2538.1
-40°	2704.7	2918.0	3046.9	3090.0	3046.9	2918.0	2704.7	2408.8	2033.3	1581.3	1352.0
-42.5°	1356.5	1397.8	1422.7	1431.0	1422.7	1397.8	1356.5	1299.2	1226.3	1138.5	1074.2
-45°	1070.7	1076.4	1079.8	1081.0	1079.8	1076.4	1070.7	1062.7	1052.5	1040.3	1023.5
-47.5°	1006.3	1018.3	1025.6	1028.0	1025.6	1018.3	1006.3	989.6	968.3	942.6	912.6
-50°	872.4	891.6	903.1	907.0	903.1	891.6	872.4	845.7	811.6	770.3	722.1
-52.5°	658.2	679.2	691.8	696.0	691.8	679.2	658.2	629.0	591.7	546.5	493.6
-55°	423.4	434.8	441.7	444.0	441.7	434.8	423.4	407.6	387.3	362.6	333.8
-57.5°	283.2	289.2	292.8	294.0	292.8	289.2	283.2	274.8	264.0	251.0	235.7
-60°	202.7	205.1	206.5	207.0	206.5	205.1	202.7	199.4	195.1	190.0	183.9
-62.5°	166.0	167.7	168.7	169.0	168.7	167.7	166.0	163.8	160.8	157.3	153.1
-65°	138.0	139.1	139.8	140.0	139.8	139.1	138.0	136.4	134.4	132.0	129.2
-67.5°	116.5	117.3	117.8	118.0	117.8	117.3	116.5	115.3	113.7	111.9	109.7
-70°	97.8	98.5	98.9	99.0	98.9	98.5	97.8	96.8	95.6	94.2	92.5
-72.5°	80.6	81.4	81.8	82.0	81.8	81.4	80.6	79.6	78.2	76.6	74.7
-75°	59.2	59.6	59.9	60.0	59.9	59.6	59.2	58.6	57.8	56.9	55.7
-77.5°	44.4	44.7	44.9	45.0	44.9	44.7	44.4	44.0	43.4	42.8	41.9
-80°	31.6	31.8	32.0	32.0	32.0	31.8	31.6	31.3	30.9	30.5	29.9
-82.5°	20.8	20.9	21.0	21.0	21.0	20.9	20.8	20.6	20.4	20.1	19.7
-85°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.4
-87.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
-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: P699918 (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°
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°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
85°	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.5	9.2	8.8	8.5
82.5°	19.4	18.9	18.5	17.9	17.4	16.8	16.1	15.4	14.7	13.9	13.1
80°	29.3	28.6	27.8	27.0	26.1	25.1	24.0	22.8	21.6	20.5	19.4
77.5°	41.0	40.0	38.8	37.6	36.2	34.7	33.1	31.5	30.0	28.4	26.7
75°	54.5	53.0	51.4	49.6	47.7	45.7	43.6	41.6	39.5	37.2	34.8
72.5°	72.4	69.9	67.2	64.1	60.8	58.1	55.6	52.8	49.9	46.9	43.8
70°	90.5	88.3	85.8	83.1	79.6	75.5	71.2	66.5	61.7	57.6	54.0
67.5°	107.2	104.4	101.2	97.9	94.6	91.0	87.2	83.2	78.0	72.2	66.2
65°	125.9	122.2	118.2	114.3	110.2	105.7	100.9	96.2	91.4	86.5	81.0
62.5°	148.3	142.9	137.7	132.8	127.4	121.7	115.9	110.3	104.4	98.3	92.6
60°	177.0	169.2	162.6	155.4	147.6	139.5	132.8	125.7	118.2	111.4	104.4
57.5°	218.3	203.4	193.9	183.6	172.5	162.6	152.9	142.7	133.9	125.4	116.7
55°	300.9	276.6	253.0	227.2	203.7	190.7	177.0	164.0	152.3	140.2	130.6
52.5°	437.6	397.4	353.1	304.9	270.2	238.0	205.7	190.0	173.5	159.4	145.8
50°	661.6	588.3	507.6	429.7	373.6	313.7	268.7	230.0	199.4	181.0	163.6
47.5°	857.1	790.6	717.6	627.1	525.5	428.1	360.1	290.9	247.6	205.1	184.8
45°	986.4	945.2	894.8	809.5	718.0	606.3	483.9	391.4	311.9	256.5	207.0
42.5°	1056.7	1037.2	1000.3	947.7	880.0	776.1	661.0	524.4	407.3	319.7	256.5
40°	1226.9	1088.1	1059.1	1034.4	982.5	918.9	811.3	688.6	537.9	407.3	311.9
37.5°	1897.4	1380.0	1217.3	1075.2	1047.0	1003.7	932.8	823.2	688.6	524.4	391.4
35°	4116.9	2547.6	1720.7	1305.3	1107.1	1053.4	1010.8	932.8	811.3	661.0	483.9
32.5°	10592.8	6765.3	2991.2	2045.4	1349.8	1128.8	1053.4	1003.7	918.9	776.1	606.3
30°	24488.4	15272.0	8386.5	3679.1	2154.6	1349.8	1107.1	1047.0	982.5	880.0	718.0
27.5°	38417.1	28411.6	17801.5	8932.5	3679.1	2045.4	1305.3	1075.2	1034.4	947.7	809.5
25°	48895.3	41194.2	29747.7	17801.5	8386.5	2991.2	1720.7	1217.3	1059.1	1000.3	894.8
22.5°	54883.0	49644.8	41194.2	28411.6	15272.0	6765.3	2547.6	1380.0	1088.1	1037.2	945.2
20°	56388.9	54883.0	48895.3	38417.1	24488.4	10592.8	4116.9	1897.4	1226.9	1056.7	986.4
17.5°	57770.2	56191.3	53989.9	46678.7	32968.6	18103.6	7346.1	2538.1	1352.0	1074.2	1023.5
15°	59130.7	57367.5	55608.6	50928.7	40605.3	25074.4	10218.4	3166.2	1581.3	1138.5	1040.3
12.5°	61002.3	58396.0	56577.5	54656.5	46501.3	31163.2	15028.1	5456.4	2033.3	1226.3	1052.5
10°	62962.8	59539.1	57382.2	55417.9	49374.5	36289.9	19680.2	7363.5	2408.8	1299.2	1062.7
7.5°	65712.8	60718.9	58023.0	56016.2	51661.2	40356.1	23359.8	8868.6	2704.7	1356.5	1070.7
5°	67756.0	61588.7	58492.7	56452.9	53324.1	43305.1	26022.6	9955.8	2918.0	1397.8	1076.4
2.5°	69016.8	62122.3	58779.6	56718.8	54334.3	45093.0	27634.4	10613.1	3046.9	1422.7	1079.8
0°	69443.2	62302.2	58876.1	56808.1	54673.1	45692.1	28174.1	10833.0	3090.0	1431.0	1081.0
-2.5°	69016.8	62122.3	58779.6	56718.8	54334.3	45093.0	27634.4	10613.1	3046.9	1422.7	1079.8
-5°	67756.0	61588.7	58492.7	56452.9	53324.1	43305.1	26022.6	9955.8	2918.0	1397.8	1076.4
-7.5°	65712.8	60718.9	58023.0	56016.2	51661.2	40356.1	23359.8	8868.6	2704.7	1356.5	1070.7
-10°	62962.8	59539.1	57382.2	55417.9	49374.5	36289.9	19680.2	7363.5	2408.8	1299.2	1062.7
-12.5°	61002.3	58396.0	56577.5	54656.5	46501.3	31163.2	15028.1	5456.4	2033.3	1226.3	1052.5
-15°	59130.7	57367.5	55608.6	50928.7	40605.3	25074.4	10218.4	3166.2	1581.3	1138.5	1040.3
-17.5°	57770.2	56191.3	53989.9	46678.7	32968.6	18103.6	7346.1	2538.1	1352.0	1074.2	1023.5
-20°	56388.9	54883.0	48895.3	38417.1	24488.4	10592.8	4116.9	1897.4	1226.9	1056.7	986.4



REPORT NUMBER: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5R-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	54883.0	49644.8	41194.2	28411.6	15272.0	6765.3	2547.6	1380.0	1088.1	1037.2	945.2
-25°	48895.3	41194.2	29747.7	17801.5	8386.5	2991.2	1720.7	1217.3	1059.1	1000.3	894.8
-27.5°	38417.1	28411.6	17801.5	8932.5	3679.1	2045.4	1305.3	1075.2	1034.4	947.7	809.5
-30°	24488.4	15272.0	8386.5	3679.1	2154.6	1349.8	1107.1	1047.0	982.5	880.0	718.0
-32.5°	10592.8	6765.3	2991.2	2045.4	1349.8	1128.8	1053.4	1003.7	918.9	776.1	606.3
-35°	4116.9	2547.6	1720.7	1305.3	1107.1	1053.4	1010.8	932.8	811.3	661.0	483.9
-37.5°	1897.4	1380.0	1217.3	1075.2	1047.0	1003.7	932.8	823.2	688.6	524.4	391.4
-40°	1226.9	1088.1	1059.1	1034.4	982.5	918.9	811.3	688.6	537.9	407.3	311.9
-42.5°	1056.7	1037.2	1000.3	947.7	880.0	776.1	661.0	524.4	407.3	319.7	256.5
-45°	986.4	945.2	894.8	809.5	718.0	606.3	483.9	391.4	311.9	256.5	207.0
-47.5°	857.1	790.6	717.6	627.1	525.5	428.1	360.1	290.9	247.6	205.1	184.8
-50°	661.6	588.3	507.6	429.7	373.6	313.7	268.7	230.0	199.4	181.0	163.6
-52.5°	437.6	397.4	353.1	304.9	270.2	238.0	205.7	190.0	173.5	159.4	145.8
-55°	300.9	276.6	253.0	227.2	203.7	190.7	177.0	164.0	152.3	140.2	130.6
-57.5°	218.3	203.4	193.9	183.6	172.5	162.6	152.9	142.7	133.9	125.4	116.7
-60°	177.0	169.2	162.6	155.4	147.6	139.5	132.8	125.7	118.2	111.4	104.4
-62.5°	148.3	142.9	137.7	132.8	127.4	121.7	115.9	110.3	104.4	98.3	92.6
-65°	125.9	122.2	118.2	114.3	110.2	105.7	100.9	96.2	91.4	86.5	81.0
-67.5°	107.2	104.4	101.2	97.9	94.6	91.0	87.2	83.2	78.0	72.2	66.2
-70°	90.5	88.3	85.8	83.1	79.6	75.5	71.2	66.5	61.7	57.6	54.0
-72.5°	72.4	69.9	67.2	64.1	60.8	58.1	55.6	52.8	49.9	46.9	43.8
-75°	54.5	53.0	51.4	49.6	47.7	45.7	43.6	41.6	39.5	37.2	34.8
-77.5°	41.0	40.0	38.8	37.6	36.2	34.7	33.1	31.5	30.0	28.4	26.7
-80°	29.3	28.6	27.8	27.0	26.1	25.1	24.0	22.8	21.6	20.5	19.4
-82.5°	19.4	18.9	18.5	17.9	17.4	16.8	16.1	15.4	14.7	13.9	13.1
-85°	11.3	11.1	10.9	10.6	10.4	10.1	9.8	9.5	9.2	8.8	8.5
-87.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
-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: P699918 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-5R-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°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8
85°	8.1	7.7	7.3	6.9	6.4	6.0	5.5	5.1	4.6	4.1	3.6
82.5°	12.2	11.6	10.9	10.3	9.7	9.0	8.3	7.6	6.9	6.1	5.4
80°	18.3	17.1	15.8	14.6	13.3	12.0	11.0	10.1	9.1	8.2	7.2
77.5°	25.0	23.2	21.3	19.7	18.0	16.4	14.6	12.9	11.4	10.2	9.0
75°	32.4	30.1	27.9	25.6	23.2	20.8	18.7	16.6	14.5	12.3	10.7
72.5°	41.0	38.0	34.8	31.7	28.9	26.0	23.1	20.3	17.8	15.3	12.7
70°	50.2	46.2	42.5	38.8	35.1	31.3	28.0	24.6	21.1	18.2	15.3
67.5°	59.9	55.4	50.8	46.1	41.7	37.4	32.9	29.0	25.1	21.1	17.8
65°	74.0	66.7	59.5	54.2	48.7	43.4	38.5	33.5	29.0	24.6	20.3
62.5°	86.6	79.9	71.7	63.1	56.2	50.1	44.0	38.5	32.9	28.0	23.1
60°	97.2	90.5	83.5	74.7	65.1	56.9	50.1	43.4	37.4	31.3	26.0
57.5°	108.8	100.6	92.8	85.1	75.7	65.1	56.2	48.7	41.7	35.1	28.9
55°	120.6	111.4	102.3	93.6	85.1	74.7	63.1	54.2	46.1	38.8	31.7
52.5°	133.7	122.7	112.3	102.3	92.8	83.5	71.7	59.5	50.8	42.5	34.8
50°	148.6	134.8	122.7	111.4	100.6	90.5	79.9	66.7	55.4	46.2	38.0
47.5°	165.0	148.6	133.7	120.6	108.8	97.2	86.6	74.0	59.9	50.2	41.0
45°	184.8	163.6	145.8	130.6	116.7	104.4	92.6	81.0	66.2	54.0	43.8
42.5°	205.1	181.0	159.4	140.2	125.4	111.4	98.3	86.5	72.2	57.6	46.9
40°	247.6	199.4	173.5	152.3	133.9	118.2	104.4	91.4	78.0	61.7	49.9
37.5°	290.9	230.0	190.0	164.0	142.7	125.7	110.3	96.2	83.2	66.5	52.8
35°	360.1	268.7	205.7	177.0	152.9	132.8	115.9	100.9	87.2	71.2	55.6
32.5°	428.1	313.7	238.0	190.7	162.6	139.5	121.7	105.7	91.0	75.5	58.1
30°	525.5	373.6	270.2	203.7	172.5	147.6	127.4	110.2	94.6	79.6	60.8
27.5°	627.1	429.7	304.9	227.2	183.6	155.4	132.8	114.3	97.9	83.1	64.1
25°	717.6	507.6	353.1	253.0	193.9	162.6	137.7	118.2	101.2	85.8	67.2
22.5°	790.6	588.3	397.4	276.6	203.4	169.2	142.9	122.2	104.4	88.3	69.9
20°	857.1	661.6	437.6	300.9	218.3	177.0	148.3	125.9	107.2	90.5	72.4
17.5°	912.6	722.1	493.6	333.8	235.7	183.9	153.1	129.2	109.7	92.5	74.7
15°	942.6	770.3	546.5	362.6	251.0	190.0	157.3	132.0	111.9	94.2	76.6
12.5°	968.3	811.6	591.7	387.3	264.0	195.1	160.8	134.4	113.7	95.6	78.2
10°	989.6	845.7	629.0	407.6	274.8	199.4	163.8	136.4	115.3	96.8	79.6
7.5°	1006.3	872.4	658.2	423.4	283.2	202.7	166.0	138.0	116.5	97.8	80.6
5°	1018.3	891.6	679.2	434.8	289.2	205.1	167.7	139.1	117.3	98.5	81.4
2.5°	1025.6	903.1	691.8	441.7	292.8	206.5	168.7	139.8	117.8	98.9	81.8
0°	1028.0	907.0	696.0	444.0	294.0	207.0	169.0	140.0	118.0	99.0	82.0
-2.5°	1025.6	903.1	691.8	441.7	292.8	206.5	168.7	139.8	117.8	98.9	81.8
-5°	1018.3	891.6	679.2	434.8	289.2	205.1	167.7	139.1	117.3	98.5	81.4
-7.5°	1006.3	872.4	658.2	423.4	283.2	202.7	166.0	138.0	116.5	97.8	80.6
-10°	989.6	845.7	629.0	407.6	274.8	199.4	163.8	136.4	115.3	96.8	79.6
-12.5°	968.3	811.6	591.7	387.3	264.0	195.1	160.8	134.4	113.7	95.6	78.2
-15°	942.6	770.3	546.5	362.6	251.0	190.0	157.3	132.0	111.9	94.2	76.6
-17.5°	912.6	722.1	493.6	333.8	235.7	183.9	153.1	129.2	109.7	92.5	74.7
-20°	857.1	661.6	437.6	300.9	218.3	177.0	148.3	125.9	107.2	90.5	72.4



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	790.6	588.3	397.4	276.6	203.4	169.2	142.9	122.2	104.4	88.3	69.9
-25°	717.6	507.6	353.1	253.0	193.9	162.6	137.7	118.2	101.2	85.8	67.2
-27.5°	627.1	429.7	304.9	227.2	183.6	155.4	132.8	114.3	97.9	83.1	64.1
-30°	525.5	373.6	270.2	203.7	172.5	147.6	127.4	110.2	94.6	79.6	60.8
-32.5°	428.1	313.7	238.0	190.7	162.6	139.5	121.7	105.7	91.0	75.5	58.1
-35°	360.1	268.7	205.7	177.0	152.9	132.8	115.9	100.9	87.2	71.2	55.6
-37.5°	290.9	230.0	190.0	164.0	142.7	125.7	110.3	96.2	83.2	66.5	52.8
-40°	247.6	199.4	173.5	152.3	133.9	118.2	104.4	91.4	78.0	61.7	49.9
-42.5°	205.1	181.0	159.4	140.2	125.4	111.4	98.3	86.5	72.2	57.6	46.9
-45°	184.8	163.6	145.8	130.6	116.7	104.4	92.6	81.0	66.2	54.0	43.8
-47.5°	165.0	148.6	133.7	120.6	108.8	97.2	86.6	74.0	59.9	50.2	41.0
-50°	148.6	134.8	122.7	111.4	100.6	90.5	79.9	66.7	55.4	46.2	38.0
-52.5°	133.7	122.7	112.3	102.3	92.8	83.5	71.7	59.5	50.8	42.5	34.8
-55°	120.6	111.4	102.3	93.6	85.1	74.7	63.1	54.2	46.1	38.8	31.7
-57.5°	108.8	100.6	92.8	85.1	75.7	65.1	56.2	48.7	41.7	35.1	28.9
-60°	97.2	90.5	83.5	74.7	65.1	56.9	50.1	43.4	37.4	31.3	26.0
-62.5°	86.6	79.9	71.7	63.1	56.2	50.1	44.0	38.5	32.9	28.0	23.1
-65°	74.0	66.7	59.5	54.2	48.7	43.4	38.5	33.5	29.0	24.6	20.3
-67.5°	59.9	55.4	50.8	46.1	41.7	37.4	32.9	29.0	25.1	21.1	17.8
-70°	50.2	46.2	42.5	38.8	35.1	31.3	28.0	24.6	21.1	18.2	15.3
-72.5°	41.0	38.0	34.8	31.7	28.9	26.0	23.1	20.3	17.8	15.3	12.7
-75°	32.4	30.1	27.9	25.6	23.2	20.8	18.7	16.6	14.5	12.3	10.7
-77.5°	25.0	23.2	21.3	19.7	18.0	16.4	14.6	12.9	11.4	10.2	9.0
-80°	18.3	17.1	15.8	14.6	13.3	12.0	11.0	10.1	9.1	8.2	7.2
-82.5°	12.2	11.6	10.9	10.3	9.7	9.0	8.3	7.6	6.9	6.1	5.4
-85°	8.1	7.7	7.3	6.9	6.4	6.0	5.5	5.1	4.6	4.1	3.6
-87.5°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8
-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):**

	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°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
80°	6.2	5.2	4.1	3.1	2.1	1.0	0.0
77.5°	7.7	6.4	5.2	3.9	2.6	1.3	0.0
75°	9.2	7.7	6.2	4.6	3.1	1.6	0.0
72.5°	10.7	9.0	7.2	5.4	3.6	1.8	0.0
70°	12.3	10.2	8.2	6.1	4.1	2.1	0.0
67.5°	14.5	11.4	9.1	6.9	4.6	2.3	0.0
65°	16.6	12.9	10.1	7.6	5.1	2.5	0.0
62.5°	18.7	14.6	11.0	8.3	5.5	2.8	0.0
60°	20.8	16.4	12.0	9.0	6.0	3.0	0.0
57.5°	23.2	18.0	13.3	9.7	6.4	3.2	0.0
55°	25.6	19.7	14.6	10.3	6.9	3.4	0.0
52.5°	27.9	21.3	15.8	10.9	7.3	3.7	0.0
50°	30.1	23.2	17.1	11.6	7.7	3.9	0.0
47.5°	32.4	25.0	18.3	12.2	8.1	4.1	0.0
45°	34.8	26.7	19.4	13.1	8.5	4.2	0.0
42.5°	37.2	28.4	20.5	13.9	8.8	4.4	0.0
40°	39.5	30.0	21.6	14.7	9.2	4.6	0.0
37.5°	41.6	31.5	22.8	15.4	9.5	4.8	0.0
35°	43.6	33.1	24.0	16.1	9.8	4.9	0.0
32.5°	45.7	34.7	25.1	16.8	10.1	5.1	0.0
30°	47.7	36.2	26.1	17.4	10.4	5.2	0.0
27.5°	49.6	37.6	27.0	17.9	10.6	5.3	0.0
25°	51.4	38.8	27.8	18.5	10.9	5.4	0.0
22.5°	53.0	40.0	28.6	18.9	11.1	5.5	0.0
20°	54.5	41.0	29.3	19.4	11.3	5.6	0.0
17.5°	55.7	41.9	29.9	19.7	11.4	5.7	0.0
15°	56.9	42.8	30.5	20.1	11.6	5.8	0.0
12.5°	57.8	43.4	30.9	20.4	11.7	5.9	0.0
10°	58.6	44.0	31.3	20.6	11.8	5.9	0.0
7.5°	59.2	44.4	31.6	20.8	11.9	5.9	0.0
5°	59.6	44.7	31.8	20.9	12.0	6.0	0.0
2.5°	59.9	44.9	32.0	21.0	12.0	6.0	0.0
0°	60.0	45.0	32.0	21.0	12.0	6.0	0.0
-2.5°	59.9	44.9	32.0	21.0	12.0	6.0	0.0
-5°	59.6	44.7	31.8	20.9	12.0	6.0	0.0
-7.5°	59.2	44.4	31.6	20.8	11.9	5.9	0.0
-10°	58.6	44.0	31.3	20.6	11.8	5.9	0.0
-12.5°	57.8	43.4	30.9	20.4	11.7	5.9	0.0
-15°	56.9	42.8	30.5	20.1	11.6	5.8	0.0
-17.5°	55.7	41.9	29.9	19.7	11.4	5.7	0.0
-20°	54.5	41.0	29.3	19.4	11.3	5.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.0	40.0	28.6	18.9	11.1	5.5	0.0
-25°	51.4	38.8	27.8	18.5	10.9	5.4	0.0
-27.5°	49.6	37.6	27.0	17.9	10.6	5.3	0.0
-30°	47.7	36.2	26.1	17.4	10.4	5.2	0.0
-32.5°	45.7	34.7	25.1	16.8	10.1	5.1	0.0
-35°	43.6	33.1	24.0	16.1	9.8	4.9	0.0
-37.5°	41.6	31.5	22.8	15.4	9.5	4.8	0.0
-40°	39.5	30.0	21.6	14.7	9.2	4.6	0.0
-42.5°	37.2	28.4	20.5	13.9	8.8	4.4	0.0
-45°	34.8	26.7	19.4	13.1	8.5	4.2	0.0
-47.5°	32.4	25.0	18.3	12.2	8.1	4.1	0.0
-50°	30.1	23.2	17.1	11.6	7.7	3.9	0.0
-52.5°	27.9	21.3	15.8	10.9	7.3	3.7	0.0
-55°	25.6	19.7	14.6	10.3	6.9	3.4	0.0
-57.5°	23.2	18.0	13.3	9.7	6.4	3.2	0.0
-60°	20.8	16.4	12.0	9.0	6.0	3.0	0.0
-62.5°	18.7	14.6	11.0	8.3	5.5	2.8	0.0
-65°	16.6	12.9	10.1	7.6	5.1	2.5	0.0
-67.5°	14.5	11.4	9.1	6.9	4.6	2.3	0.0
-70°	12.3	10.2	8.2	6.1	4.1	2.1	0.0
-72.5°	10.7	9.0	7.2	5.4	3.6	1.8	0.0
-75°	9.2	7.7	6.2	4.6	3.1	1.6	0.0
-77.5°	7.7	6.4	5.2	3.9	2.6	1.3	0.0
-80°	6.2	5.2	4.1	3.1	2.1	1.0	0.0
-82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
-85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-87.5°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)