

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: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-40-70-5S-A**

Issue Date: 2/3/2026

**Test Information**

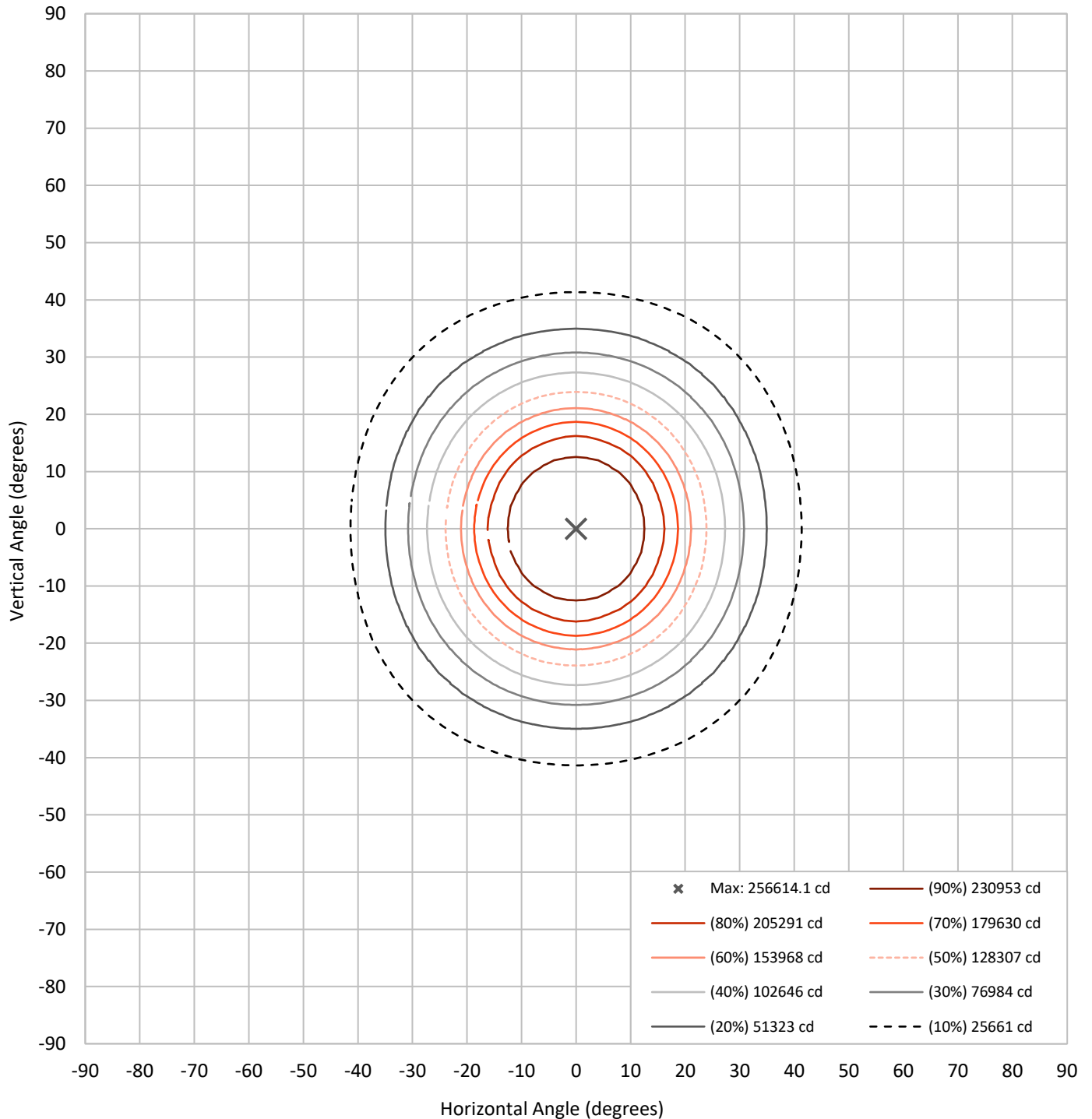
Test Method: LM-79-08  
Report Number: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200L-40-70-5S-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	187256.7 lumens	Max Intensity:	256614.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	153.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	47.8°H x 47.8°V	Field Angle (10%):	82.7°H x 82.7°V
Beam Lumens:	104374.1 lumens	Field Lumens:	172282.5 lumens
Beam Efficiency:	55.7%	Field Efficiency:	92.0%
Input Watts (W):	1223		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





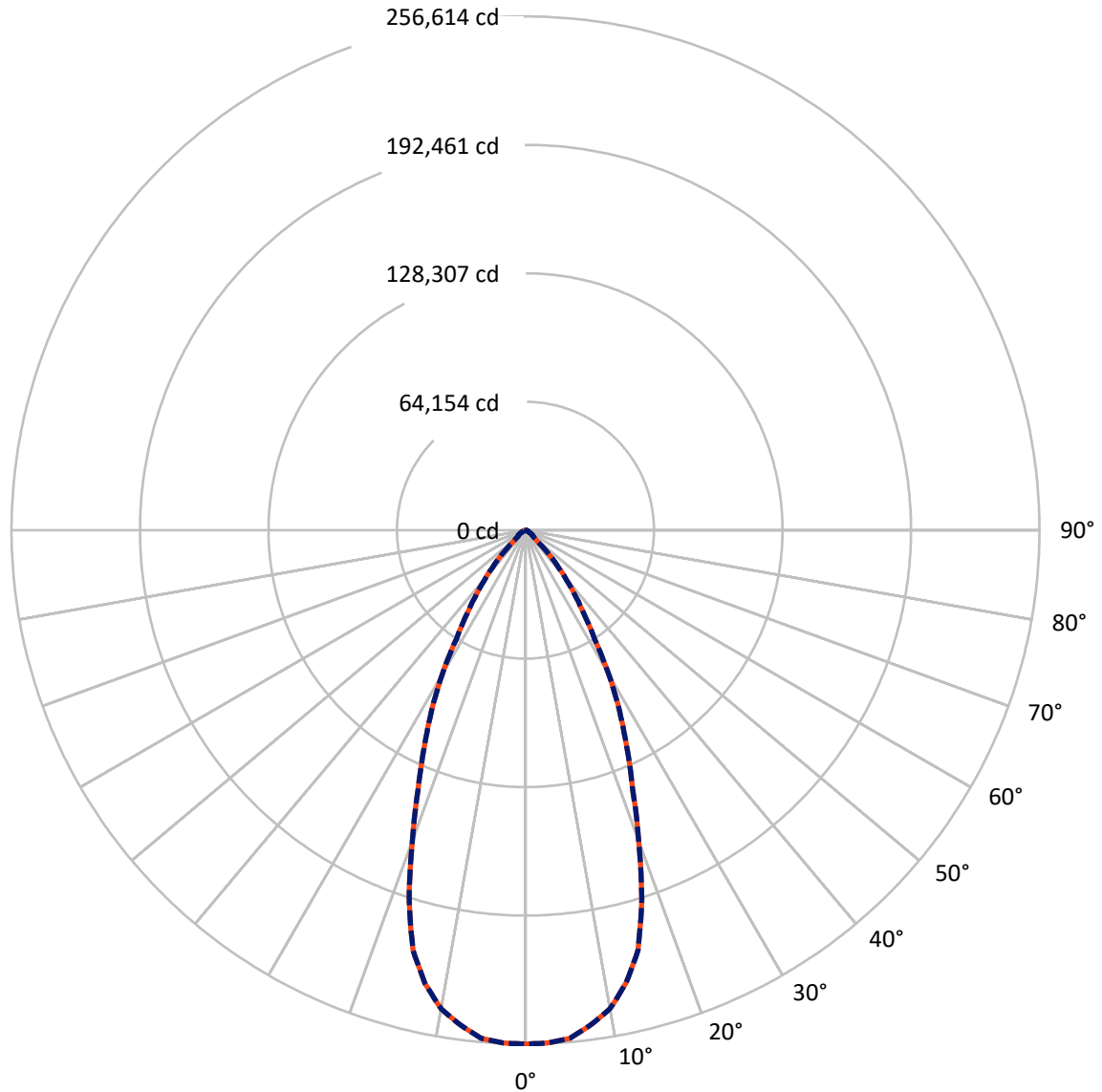
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### Lumen Table

90	0.2	1.7	6.6	15.2	19.5	15.2	6.6	1.7	0.2							
80	0.2	1.7	6.6	15.2	19.5	15.2	6.6	1.7	0.2							
70	0.8	1.1	3.9	10.1	20.0	31.6	42.0	47.9	47.9	42.0	31.6	20.0	10.1	3.9	1.1	0.8
60		2.9	11.6	29.7	56.4	85.7	108.9	121.7	121.7	108.9	85.7	56.4	29.7	11.6	2.9	
50	2.2	6.2	24.3	59.7	104.5	177.9	324.7	445.5	445.5	324.7	177.9	104.5	59.7	24.3	6.2	2.2
40		10.7	40.0	90.4	229.7	654.9	1171.1	1539.0	1539.0	1171.1	654.9	229.7	90.4	40.0	10.7	
30	4.4	15.2	55.0	140.2	595.3	1476.5	2653.8	3520.2	3520.2	2653.8	1476.5	595.3	140.2	55.0	15.2	4.4
20		19.0	65.5	242.6	1000.7	2497.1	4528.6	6145.5	6145.5	4528.6	2497.1	1000.7	242.6	65.5	19.0	
10	5.4	21.1	70.9	323.5	1276.8	3215.4	5966.5	7489.5	7489.5	5966.5	3215.4	1276.8	323.5	70.9	21.1	5.4
0		21.1	70.9	323.5	1276.8	3215.4	5966.5	7489.5	7489.5	5966.5	3215.4	1276.8	323.5	70.9	21.1	
-10	4.4	19.0	65.5	242.6	1000.7	2497.1	4528.6	6145.5	6145.5	4528.6	2497.1	1000.7	242.6	65.5	19.0	4.4
-20		15.2	55.0	140.2	595.3	1476.5	2653.8	3520.2	3520.2	2653.8	1476.5	595.3	140.2	55.0	15.2	
-30	2.2	10.7	40.0	90.4	229.7	654.9	1171.1	1539.0	1539.0	1171.1	654.9	229.7	90.4	40.0	10.7	2.2
-40		6.2	24.3	59.7	104.5	177.9	324.7	445.5	445.5	324.7	177.9	104.5	59.7	24.3	6.2	
-50	0.8	2.9	11.6	29.7	56.4	85.7	108.9	121.7	121.7	108.9	85.7	56.4	29.7	11.6	2.9	0.8
-60		1.1	3.9	10.1	20.0	31.6	42.0	47.9	47.9	42.0	31.6	20.0	10.1	3.9	1.1	
-70	0.2	1.7	6.6	15.2	19.5	15.2	6.6	1.7	0.2							
-80		0.2	1.7	6.6	15.2	19.5	15.2	6.6	1.7	0.2						
-90	0.2	1.7	6.6	15.2	19.5	15.2	6.6	1.7	0.2							

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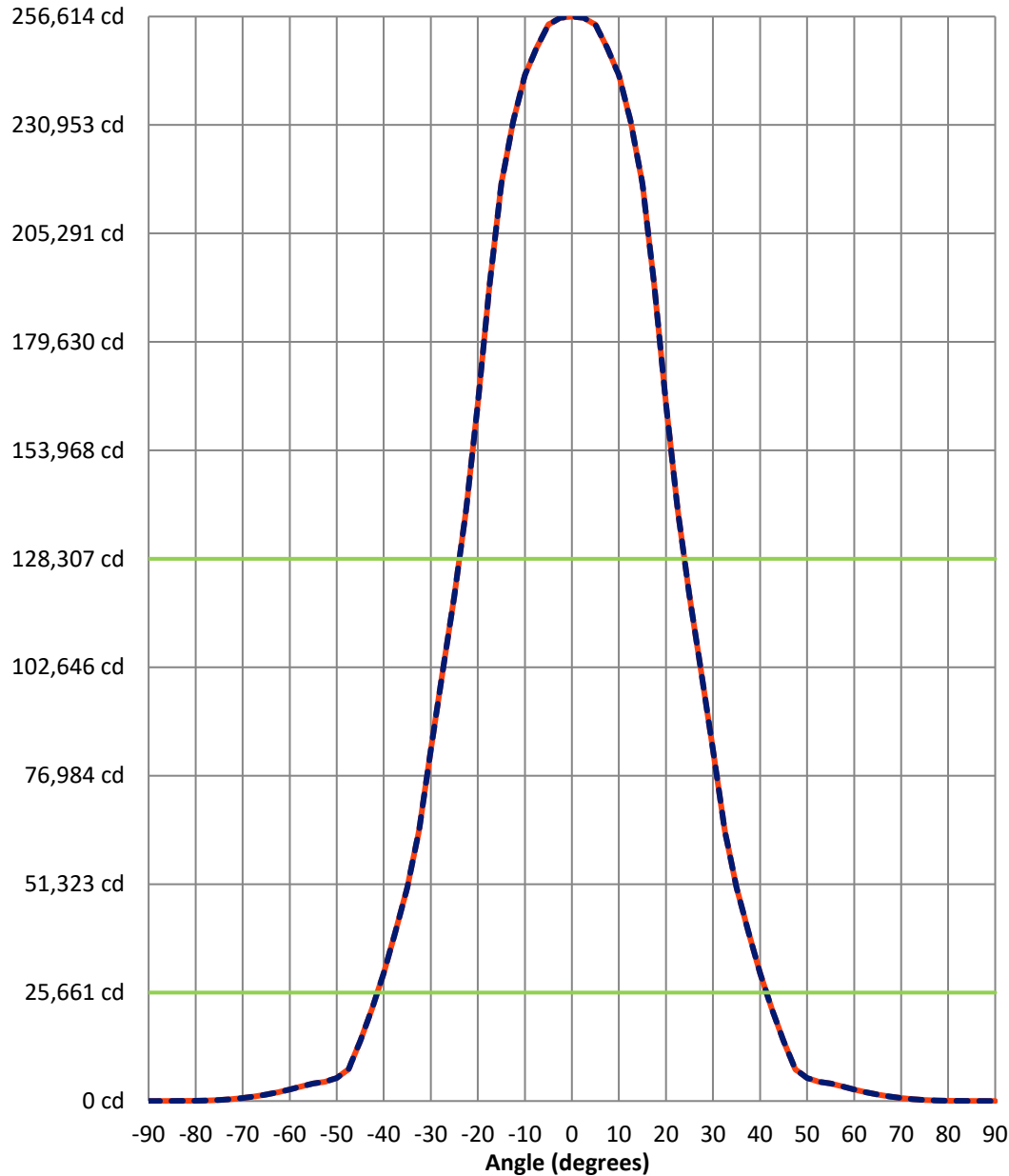
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 47.8°  
 V Angle: 47.8°  
 Lumens: 104374.1  
 Efficiency: 55.7%

**Field:**  
 H Angle: 82.7°  
 V Angle: 82.7°  
 Lumens: 172282.5  
 Efficiency: 92.0%

**Spill:**  
 Lumens: 14974.2  
 Efficiency: 8.0%

- 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	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.2	9.1	11.0
80°	0.0	1.2	2.4	3.5	4.7	5.9	7.3	9.9	12.5	15.0	17.5
77.5°	0.0	1.5	2.9	4.4	5.9	8.0	11.3	14.5	17.8	20.9	24.4
75°	0.0	1.8	3.5	5.3	7.3	11.3	15.2	19.1	23.1	27.8	32.5
72.5°	0.0	2.0	4.1	6.1	9.9	14.5	19.1	24.0	29.5	35.0	40.4
70°	0.0	2.3	4.6	7.2	12.5	17.8	23.1	29.5	35.9	42.2	49.6
67.5°	0.0	2.6	5.2	9.1	15.0	20.9	27.8	35.0	42.2	50.7	59.0
65°	0.0	2.9	5.7	11.0	17.5	24.4	32.5	40.4	49.6	59.0	72.6
62.5°	0.0	3.1	6.3	12.8	20.0	28.2	37.0	46.5	56.9	69.9	96.4
60°	0.0	3.4	6.8	14.6	22.4	32.0	41.5	52.8	64.1	90.9	119.7
57.5°	0.0	3.7	8.0	16.4	25.3	35.6	46.6	58.9	80.0	111.5	156.9
55°	0.0	3.9	9.1	18.1	28.1	39.1	51.8	64.9	97.9	135.7	200.0
52.5°	0.0	4.1	10.2	19.7	30.8	42.7	56.7	79.0	115.2	173.4	241.9
50°	0.0	4.4	11.3	21.3	33.5	46.7	61.5	93.7	136.6	210.1	304.5
47.5°	0.0	4.6	12.3	23.0	36.0	50.5	67.2	107.9	168.1	245.5	367.6
45°	0.0	4.8	13.3	24.8	38.5	54.3	78.9	121.6	198.4	299.7	428.4
42.5°	0.0	5.0	14.2	26.6	40.9	57.8	90.2	141.8	227.5	352.2	511.3
40°	0.0	5.2	15.1	28.3	43.4	61.2	100.9	166.1	260.7	402.4	594.6
37.5°	0.0	5.4	16.0	29.9	45.9	64.4	111.1	189.2	303.1	456.7	674.0
35°	0.0	5.6	16.8	31.4	48.4	70.7	120.7	211.0	343.2	524.2	757.5
32.5°	0.0	5.7	17.6	32.8	50.7	78.3	132.3	231.6	381.0	587.8	848.7
30°	0.0	5.9	18.3	34.1	52.8	85.3	148.7	253.5	416.4	647.3	934.2
27.5°	0.0	6.0	18.9	35.4	54.8	91.8	163.9	282.1	455.2	702.7	1013.7
25°	0.0	6.2	19.6	36.5	56.6	97.8	177.9	308.5	500.2	763.2	1087.9
22.5°	0.0	6.3	20.1	37.5	58.3	103.3	190.7	332.5	541.4	823.0	1171.6
20°	0.0	6.4	20.6	38.5	59.8	108.3	202.2	354.1	578.4	877.0	1247.2
17.5°	0.0	6.5	21.0	39.3	61.1	112.6	212.5	373.4	611.4	925.0	1314.4
15°	0.0	6.6	21.4	40.0	62.3	116.4	221.4	390.1	640.1	966.8	1373.1
12.5°	0.0	6.6	21.8	40.6	63.2	119.7	229.0	404.4	664.5	1002.4	1423.1
10°	0.0	6.7	22.0	41.1	64.1	122.3	235.2	416.1	684.6	1031.7	1464.2
7.5°	0.0	6.7	22.2	41.5	64.7	124.4	240.0	425.2	700.3	1054.6	1496.3
5°	0.0	6.8	22.4	41.8	65.1	125.9	243.5	431.8	711.5	1071.0	1519.3
2.5°	0.0	6.8	22.5	41.9	65.4	126.8	245.6	435.7	718.2	1080.8	1533.1
0°	0.0	6.8	22.5	42.0	65.5	127.1	246.3	437.0	720.5	1084.1	1537.7
-2.5°	0.0	6.8	22.5	41.9	65.4	126.8	245.6	435.7	718.2	1080.8	1533.1
-5°	0.0	6.8	22.4	41.8	65.1	125.9	243.5	431.8	711.5	1071.0	1519.3
-7.5°	0.0	6.7	22.2	41.5	64.7	124.4	240.0	425.2	700.3	1054.6	1496.3
-10°	0.0	6.7	22.0	41.1	64.1	122.3	235.2	416.1	684.6	1031.7	1464.2
-12.5°	0.0	6.6	21.8	40.6	63.2	119.7	229.0	404.4	664.5	1002.4	1423.1
-15°	0.0	6.6	21.4	40.0	62.3	116.4	221.4	390.1	640.1	966.8	1373.1
-17.5°	0.0	6.5	21.0	39.3	61.1	112.6	212.5	373.4	611.4	925.0	1314.4
-20°	0.0	6.4	20.6	38.5	59.8	108.3	202.2	354.1	578.4	877.0	1247.2



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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	6.3	20.1	37.5	58.3	103.3	190.7	332.5	541.4	823.0	1171.6
-25°	0.0	6.2	19.6	36.5	56.6	97.8	177.9	308.5	500.2	763.2	1087.9
-27.5°	0.0	6.0	18.9	35.4	54.8	91.8	163.9	282.1	455.2	702.7	1013.7
-30°	0.0	5.9	18.3	34.1	52.8	85.3	148.7	253.5	416.4	647.3	934.2
-32.5°	0.0	5.7	17.6	32.8	50.7	78.3	132.3	231.6	381.0	587.8	848.7
-35°	0.0	5.6	16.8	31.4	48.4	70.7	120.7	211.0	343.2	524.2	757.5
-37.5°	0.0	5.4	16.0	29.9	45.9	64.4	111.1	189.2	303.1	456.7	674.0
-40°	0.0	5.2	15.1	28.3	43.4	61.2	100.9	166.1	260.7	402.4	594.6
-42.5°	0.0	5.0	14.2	26.6	40.9	57.8	90.2	141.8	227.5	352.2	511.3
-45°	0.0	4.8	13.3	24.8	38.5	54.3	78.9	121.6	198.4	299.7	428.4
-47.5°	0.0	4.6	12.3	23.0	36.0	50.5	67.2	107.9	168.1	245.5	367.6
-50°	0.0	4.4	11.3	21.3	33.5	46.7	61.5	93.7	136.6	210.1	304.5
-52.5°	0.0	4.1	10.2	19.7	30.8	42.7	56.7	79.0	115.2	173.4	241.9
-55°	0.0	3.9	9.1	18.1	28.1	39.1	51.8	64.9	97.9	135.7	200.0
-57.5°	0.0	3.7	8.0	16.4	25.3	35.6	46.6	58.9	80.0	111.5	156.9
-60°	0.0	3.4	6.8	14.6	22.4	32.0	41.5	52.8	64.1	90.9	119.7
-62.5°	0.0	3.1	6.3	12.8	20.0	28.2	37.0	46.5	56.9	69.9	96.4
-65°	0.0	2.9	5.7	11.0	17.5	24.4	32.5	40.4	49.6	59.0	72.6
-67.5°	0.0	2.6	5.2	9.1	15.0	20.9	27.8	35.0	42.2	50.7	59.0
-70°	0.0	2.3	4.6	7.2	12.5	17.8	23.1	29.5	35.9	42.2	49.6
-72.5°	0.0	2.0	4.1	6.1	9.9	14.5	19.1	24.0	29.5	35.0	40.4
-75°	0.0	1.8	3.5	5.3	7.3	11.3	15.2	19.1	23.1	27.8	32.5
-77.5°	0.0	1.5	2.9	4.4	5.9	8.0	11.3	14.5	17.8	20.9	24.4
-80°	0.0	1.2	2.4	3.5	4.7	5.9	7.3	9.9	12.5	15.0	17.5
-82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.2	9.1	11.0
-85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
-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°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
85°	6.3	6.8	8.0	9.1	10.2	11.3	12.3	13.3	14.2	15.1	16.0
82.5°	12.8	14.6	16.4	18.1	19.7	21.3	23.0	24.8	26.6	28.3	29.9
80°	20.0	22.4	25.3	28.1	30.8	33.5	36.0	38.5	40.9	43.4	45.9
77.5°	28.2	32.0	35.6	39.1	42.7	46.7	50.5	54.3	57.8	61.2	64.4
75°	37.0	41.5	46.6	51.8	56.7	61.5	67.2	78.9	90.2	100.9	111.1
72.5°	46.5	52.8	58.9	64.9	79.0	93.7	107.9	121.6	141.8	166.1	189.2
70°	56.9	64.1	80.0	97.9	115.2	136.6	168.1	198.4	227.5	260.7	303.1
67.5°	69.9	90.9	111.5	135.7	173.4	210.1	245.5	299.7	352.2	402.4	456.7
65°	96.4	119.7	156.9	200.0	241.9	304.5	367.6	428.4	511.3	594.6	674.0
62.5°	122.4	167.6	216.0	273.6	347.4	419.1	513.8	613.5	709.6	824.5	937.1
60°	167.6	221.4	290.8	373.4	462.1	578.4	691.3	823.0	957.8	1087.9	1242.1
57.5°	216.0	290.8	382.0	488.0	617.5	750.2	907.3	1059.3	1236.0	1411.6	1587.8
55°	273.6	373.4	488.0	630.6	784.0	958.3	1138.4	1343.1	1541.4	1768.7	1986.5
52.5°	347.4	462.1	617.5	784.0	975.3	1181.3	1407.9	1645.5	1899.7	2157.6	2439.9
50°	419.1	578.4	750.2	958.3	1181.3	1429.7	1697.9	1979.1	2285.9	2601.5	2926.3
47.5°	513.8	691.3	907.3	1138.4	1407.9	1697.9	2005.7	2350.4	2699.4	3074.9	3440.1
45°	613.5	823.0	1059.3	1343.1	1645.5	1979.1	2350.4	2732.2	3149.7	3548.6	3914.7
42.5°	709.6	957.8	1236.0	1541.4	1899.7	2285.9	2699.4	3149.7	3584.4	3987.4	4285.3
40°	824.5	1087.9	1411.6	1768.7	2157.6	2601.5	3074.9	3548.6	3987.4	4307.0	4548.3
37.5°	937.1	1242.1	1587.8	1986.5	2439.9	2926.3	3440.1	3914.7	4285.3	4548.3	5102.8
35°	1044.1	1388.6	1779.0	2216.9	2709.2	3252.6	3770.4	4220.5	4504.1	5052.3	5900.4
32.5°	1160.2	1527.1	1960.0	2453.3	2994.2	3557.0	4083.5	4416.5	4901.9	5664.1	7111.5
30°	1278.4	1680.7	2140.3	2675.9	3265.7	3832.4	4287.1	4654.3	5345.4	6750.1	9926.2
27.5°	1388.6	1825.8	2331.3	2903.1	3516.7	4090.6	4449.8	5044.5	6156.1	8337.9	13473.5
25°	1490.4	1960.0	2508.1	3120.2	3738.4	4258.4	4652.2	5408.6	7053.8	11452.2	17175.6
22.5°	1592.4	2083.4	2670.2	3319.5	3942.1	4387.6	4963.9	6112.9	8685.8	14361.3	20716.9
20°	1692.9	2216.9	2827.5	3498.0	4127.0	4505.1	5247.6	6816.5	11142.3	17382.8	24211.1
17.5°	1782.5	2335.9	2974.8	3649.5	4235.9	4671.7	5555.5	7448.4	13353.1	20108.6	27484.7
15°	1860.7	2439.9	3103.6	3782.2	4320.6	4877.4	6068.4	9074.7	15458.3	22596.4	30400.8
12.5°	1927.3	2528.5	3213.5	3895.5	4393.1	5053.5	6507.8	10619.1	17371.4	24905.5	33312.3
10°	1982.1	2601.5	3304.0	3988.9	4452.8	5198.9	6871.2	11897.9	18958.1	26824.1	35736.9
7.5°	2024.9	2658.5	3374.8	4062.0	4499.6	5312.9	7156.3	12902.3	20205.9	28335.4	37650.3
5°	2055.6	2699.4	3425.6	4114.4	4533.2	5394.8	7361.3	13625.1	21104.8	29425.4	39032.5
2.5°	2074.0	2724.0	3456.2	4146.0	4553.4	5444.1	7484.8	14060.9	21647.3	30083.7	39868.1
0°	2080.2	2732.2	3466.4	4156.5	4560.2	5460.6	7526.1	14206.6	21828.6	30303.9	40147.7
-2.5°	2074.0	2724.0	3456.2	4146.0	4553.4	5444.1	7484.8	14060.9	21647.3	30083.7	39868.1
-5°	2055.6	2699.4	3425.6	4114.4	4533.2	5394.8	7361.3	13625.1	21104.8	29425.4	39032.5
-7.5°	2024.9	2658.5	3374.8	4062.0	4499.6	5312.9	7156.3	12902.3	20205.9	28335.4	37650.3
-10°	1982.1	2601.5	3304.0	3988.9	4452.8	5198.9	6871.2	11897.9	18958.1	26824.1	35736.9
-12.5°	1927.3	2528.5	3213.5	3895.5	4393.1	5053.5	6507.8	10619.1	17371.4	24905.5	33312.3
-15°	1860.7	2439.9	3103.6	3782.2	4320.6	4877.4	6068.4	9074.7	15458.3	22596.4	30400.8
-17.5°	1782.5	2335.9	2974.8	3649.5	4235.9	4671.7	5555.5	7448.4	13353.1	20108.6	27484.7
-20°	1692.9	2216.9	2827.5	3498.0	4127.0	4505.1	5247.6	6816.5	11142.3	17382.8	24211.1



REPORT NUMBER: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-70-5S-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1592.4	2083.4	2670.2	3319.5	3942.1	4387.6	4963.9	6112.9	8685.8	14361.3	20716.9
-25°	1490.4	1960.0	2508.1	3120.2	3738.4	4258.4	4652.2	5408.6	7053.8	11452.2	17175.6
-27.5°	1388.6	1825.8	2331.3	2903.1	3516.7	4090.6	4449.8	5044.5	6156.1	8337.9	13473.5
-30°	1278.4	1680.7	2140.3	2675.9	3265.7	3832.4	4287.1	4654.3	5345.4	6750.1	9926.2
-32.5°	1160.2	1527.1	1960.0	2453.3	2994.2	3557.0	4083.5	4416.5	4901.9	5664.1	7111.5
-35°	1044.1	1388.6	1779.0	2216.9	2709.2	3252.6	3770.4	4220.5	4504.1	5052.3	5900.4
-37.5°	937.1	1242.1	1587.8	1986.5	2439.9	2926.3	3440.1	3914.7	4285.3	4548.3	5102.8
-40°	824.5	1087.9	1411.6	1768.7	2157.6	2601.5	3074.9	3548.6	3987.4	4307.0	4548.3
-42.5°	709.6	957.8	1236.0	1541.4	1899.7	2285.9	2699.4	3149.7	3584.4	3987.4	4285.3
-45°	613.5	823.0	1059.3	1343.1	1645.5	1979.1	2350.4	2732.2	3149.7	3548.6	3914.7
-47.5°	513.8	691.3	907.3	1138.4	1407.9	1697.9	2005.7	2350.4	2699.4	3074.9	3440.1
-50°	419.1	578.4	750.2	958.3	1181.3	1429.7	1697.9	1979.1	2285.9	2601.5	2926.3
-52.5°	347.4	462.1	617.5	784.0	975.3	1181.3	1407.9	1645.5	1899.7	2157.6	2439.9
-55°	273.6	373.4	488.0	630.6	784.0	958.3	1138.4	1343.1	1541.4	1768.7	1986.5
-57.5°	216.0	290.8	382.0	488.0	617.5	750.2	907.3	1059.3	1236.0	1411.6	1587.8
-60°	167.6	221.4	290.8	373.4	462.1	578.4	691.3	823.0	957.8	1087.9	1242.1
-62.5°	122.4	167.6	216.0	273.6	347.4	419.1	513.8	613.5	709.6	824.5	937.1
-65°	96.4	119.7	156.9	200.0	241.9	304.5	367.6	428.4	511.3	594.6	674.0
-67.5°	69.9	90.9	111.5	135.7	173.4	210.1	245.5	299.7	352.2	402.4	456.7
-70°	56.9	64.1	80.0	97.9	115.2	136.6	168.1	198.4	227.5	260.7	303.1
-72.5°	46.5	52.8	58.9	64.9	79.0	93.7	107.9	121.6	141.8	166.1	189.2
-75°	37.0	41.5	46.6	51.8	56.7	61.5	67.2	78.9	90.2	100.9	111.1
-77.5°	28.2	32.0	35.6	39.1	42.7	46.7	50.5	54.3	57.8	61.2	64.4
-80°	20.0	22.4	25.3	28.1	30.8	33.5	36.0	38.5	40.9	43.4	45.9
-82.5°	12.8	14.6	16.4	18.1	19.7	21.3	23.0	24.8	26.6	28.3	29.9
-85°	6.3	6.8	8.0	9.1	10.2	11.3	12.3	13.3	14.2	15.1	16.0
-87.5°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
-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: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
85°	16.8	17.6	18.3	18.9	19.6	20.1	20.6	21.0	21.4	21.8	22.0
82.5°	31.4	32.8	34.1	35.4	36.5	37.5	38.5	39.3	40.0	40.6	41.1
80°	48.4	50.7	52.8	54.8	56.6	58.3	59.8	61.1	62.3	63.2	64.1
77.5°	70.7	78.3	85.3	91.8	97.8	103.3	108.3	112.6	116.4	119.7	122.3
75°	120.7	132.3	148.7	163.9	177.9	190.7	202.2	212.5	221.4	229.0	235.2
72.5°	211.0	231.6	253.5	282.1	308.5	332.5	354.1	373.4	390.1	404.4	416.1
70°	343.2	381.0	416.4	455.2	500.2	541.4	578.4	611.4	640.1	664.5	684.6
67.5°	524.2	587.8	647.3	702.7	763.2	823.0	877.0	925.0	966.8	1002.4	1031.7
65°	757.5	848.7	934.2	1013.7	1087.9	1171.6	1247.2	1314.4	1373.1	1423.1	1464.2
62.5°	1044.1	1160.2	1278.4	1388.6	1490.4	1592.4	1692.9	1782.5	1860.7	1927.3	1982.1
60°	1388.6	1527.1	1680.7	1825.8	1960.0	2083.4	2216.9	2335.9	2439.9	2528.5	2601.5
57.5°	1779.0	1960.0	2140.3	2331.3	2508.1	2670.2	2827.5	2974.8	3103.6	3213.5	3304.0
55°	2216.9	2453.3	2675.9	2903.1	3120.2	3319.5	3498.0	3649.5	3782.2	3895.5	3988.9
52.5°	2709.2	2994.2	3265.7	3516.7	3738.4	3942.1	4127.0	4235.9	4320.6	4393.1	4452.8
50°	3252.6	3557.0	3832.4	4090.6	4258.4	4387.6	4505.1	4671.7	4877.4	5053.5	5198.9
47.5°	3770.4	4083.5	4287.1	4449.8	4652.2	4963.9	5247.6	5555.5	6068.4	6507.8	6871.2
45°	4220.5	4416.5	4654.3	5044.5	5408.6	6112.9	6816.5	7448.4	9074.7	10619.1	11897.9
42.5°	4504.1	4901.9	5345.4	6156.1	7053.8	8685.8	11142.3	13353.1	15458.3	17371.4	18958.1
40°	5052.3	5664.1	6750.1	8337.9	11452.2	14361.3	17382.8	20108.6	22596.4	24905.5	26824.1
37.5°	5900.4	7111.5	9926.2	13473.5	17175.6	20716.9	24211.1	27484.7	30400.8	33312.3	35736.9
35°	7232.9	10729.2	14775.6	19090.3	23308.7	27533.2	31609.4	35714.7	39366.3	42662.3	45450.7
32.5°	10729.2	15247.9	20059.7	24967.3	29799.4	34976.4	39842.4	44505.7	48684.0	52847.5	56801.7
30°	14775.6	20059.7	25525.1	31052.8	37037.4	42808.4	48332.8	54240.0	60130.1	65767.2	71852.2
27.5°	19090.3	24967.3	31052.8	37731.5	44324.6	50725.2	58442.4	66143.1	75143.7	83038.6	89488.9
25°	23308.7	29799.4	37037.4	44324.6	51755.7	60584.4	70837.5	81626.9	91132.0	99477.7	106477.5
22.5°	27533.2	34976.4	42808.4	50725.2	60584.4	72424.6	84882.1	96150.9	106349.2	115329.6	123457.1
20°	31609.4	39842.4	48332.8	58442.4	70837.5	84882.1	97853.1	109865.5	121033.5	132141.7	142185.1
17.5°	35714.7	44505.7	54240.0	66143.1	81626.9	96150.9	109865.5	123156.7	136644.1	151019.3	164249.3
15°	39366.3	48684.0	60130.1	75143.7	91132.0	106349.2	121033.5	136644.1	154049.5	171399.2	187909.0
12.5°	42662.3	52847.5	65767.2	83038.6	99477.7	115329.6	132141.7	151019.3	171399.2	191918.9	207858.1
10°	45450.7	56801.7	71852.2	89488.9	106477.5	123457.1	142185.1	164249.3	187909.0	207858.1	223652.6
7.5°	47656.3	59938.0	76695.0	94643.2	112072.8	130459.3	151880.5	176344.9	200461.0	220380.3	231823.7
5°	49252.4	62212.5	80216.8	98404.5	116174.1	135621.5	159083.7	185494.5	209432.1	227370.2	238068.0
2.5°	50218.5	63591.5	82356.1	100694.9	118679.5	138788.4	163528.5	191186.7	215080.5	230766.2	241571.0
0°	50542.0	64053.6	83073.7	101464.2	119522.4	139856.3	165031.9	193120.7	217012.8	231732.7	242718.3
-2.5°	50218.5	63591.5	82356.1	100694.9	118679.5	138788.4	163528.5	191186.7	215080.5	230766.2	241571.0
-5°	49252.4	62212.5	80216.8	98404.5	116174.1	135621.5	159083.7	185494.5	209432.1	227370.2	238068.0
-7.5°	47656.3	59938.0	76695.0	94643.2	112072.8	130459.3	151880.5	176344.9	200461.0	220380.3	231823.7
-10°	45450.7	56801.7	71852.2	89488.9	106477.5	123457.1	142185.1	164249.3	187909.0	207858.1	223652.6
-12.5°	42662.3	52847.5	65767.2	83038.6	99477.7	115329.6	132141.7	151019.3	171399.2	191918.9	207858.1
-15°	39366.3	48684.0	60130.1	75143.7	91132.0	106349.2	121033.5	136644.1	154049.5	171399.2	187909.0
-17.5°	35714.7	44505.7	54240.0	66143.1	81626.9	96150.9	109865.5	123156.7	136644.1	151019.3	164249.3
-20°	31609.4	39842.4	48332.8	58442.4	70837.5	84882.1	97853.1	109865.5	121033.5	132141.7	142185.1



REPORT NUMBER: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-70-5S-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	27533.2	34976.4	42808.4	50725.2	60584.4	72424.6	84882.1	96150.9	106349.2	115329.6	123457.1
-25°	23308.7	29799.4	37037.4	44324.6	51755.7	60584.4	70837.5	81626.9	91132.0	99477.7	106477.5
-27.5°	19090.3	24967.3	31052.8	37731.5	44324.6	50725.2	58442.4	66143.1	75143.7	83038.6	89488.9
-30°	14775.6	20059.7	25525.1	31052.8	37037.4	42808.4	48332.8	54240.0	60130.1	65767.2	71852.2
-32.5°	10729.2	15247.9	20059.7	24967.3	29799.4	34976.4	39842.4	44505.7	48684.0	52847.5	56801.7
-35°	7232.9	10729.2	14775.6	19090.3	23308.7	27533.2	31609.4	35714.7	39366.3	42662.3	45450.7
-37.5°	5900.4	7111.5	9926.2	13473.5	17175.6	20716.9	24211.1	27484.7	30400.8	33312.3	35736.9
-40°	5052.3	5664.1	6750.1	8337.9	11452.2	14361.3	17382.8	20108.6	22596.4	24905.5	26824.1
-42.5°	4504.1	4901.9	5345.4	6156.1	7053.8	8685.8	11142.3	13353.1	15458.3	17371.4	18958.1
-45°	4220.5	4416.5	4654.3	5044.5	5408.6	6112.9	6816.5	7448.4	9074.7	10619.1	11897.9
-47.5°	3770.4	4083.5	4287.1	4449.8	4652.2	4963.9	5247.6	5555.5	6068.4	6507.8	6871.2
-50°	3252.6	3557.0	3832.4	4090.6	4258.4	4387.6	4505.1	4671.7	4877.4	5053.5	5198.9
-52.5°	2709.2	2994.2	3265.7	3516.7	3738.4	3942.1	4127.0	4235.9	4320.6	4393.1	4452.8
-55°	2216.9	2453.3	2675.9	2903.1	3120.2	3319.5	3498.0	3649.5	3782.2	3895.5	3988.9
-57.5°	1779.0	1960.0	2140.3	2331.3	2508.1	2670.2	2827.5	2974.8	3103.6	3213.5	3304.0
-60°	1388.6	1527.1	1680.7	1825.8	1960.0	2083.4	2216.9	2335.9	2439.9	2528.5	2601.5
-62.5°	1044.1	1160.2	1278.4	1388.6	1490.4	1592.4	1692.9	1782.5	1860.7	1927.3	1982.1
-65°	757.5	848.7	934.2	1013.7	1087.9	1171.6	1247.2	1314.4	1373.1	1423.1	1464.2
-67.5°	524.2	587.8	647.3	702.7	763.2	823.0	877.0	925.0	966.8	1002.4	1031.7
-70°	343.2	381.0	416.4	455.2	500.2	541.4	578.4	611.4	640.1	664.5	684.6
-72.5°	211.0	231.6	253.5	282.1	308.5	332.5	354.1	373.4	390.1	404.4	416.1
-75°	120.7	132.3	148.7	163.9	177.9	190.7	202.2	212.5	221.4	229.0	235.2
-77.5°	70.7	78.3	85.3	91.8	97.8	103.3	108.3	112.6	116.4	119.7	122.3
-80°	48.4	50.7	52.8	54.8	56.6	58.3	59.8	61.1	62.3	63.2	64.1
-82.5°	31.4	32.8	34.1	35.4	36.5	37.5	38.5	39.3	40.0	40.6	41.1
-85°	16.8	17.6	18.3	18.9	19.6	20.1	20.6	21.0	21.4	21.8	22.0
-87.5°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
-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: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-70-5S-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°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
85°	22.2	22.4	22.5	22.5	22.5	22.4	22.2	22.0	21.8	21.4	21.0
82.5°	41.5	41.8	41.9	42.0	41.9	41.8	41.5	41.1	40.6	40.0	39.3
80°	64.7	65.1	65.4	65.5	65.4	65.1	64.7	64.1	63.2	62.3	61.1
77.5°	124.4	125.9	126.8	127.1	126.8	125.9	124.4	122.3	119.7	116.4	112.6
75°	240.0	243.5	245.6	246.3	245.6	243.5	240.0	235.2	229.0	221.4	212.5
72.5°	425.2	431.8	435.7	437.0	435.7	431.8	425.2	416.1	404.4	390.1	373.4
70°	700.3	711.5	718.2	720.5	718.2	711.5	700.3	684.6	664.5	640.1	611.4
67.5°	1054.6	1071.0	1080.8	1084.1	1080.8	1071.0	1054.6	1031.7	1002.4	966.8	925.0
65°	1496.3	1519.3	1533.1	1537.7	1533.1	1519.3	1496.3	1464.2	1423.1	1373.1	1314.4
62.5°	2024.9	2055.6	2074.0	2080.2	2074.0	2055.6	2024.9	1982.1	1927.3	1860.7	1782.5
60°	2658.5	2699.4	2724.0	2732.2	2724.0	2699.4	2658.5	2601.5	2528.5	2439.9	2335.9
57.5°	3374.8	3425.6	3456.2	3466.4	3456.2	3425.6	3374.8	3304.0	3213.5	3103.6	2974.8
55°	4062.0	4114.4	4146.0	4156.5	4146.0	4114.4	4062.0	3988.9	3895.5	3782.2	3649.5
52.5°	4499.6	4533.2	4553.4	4560.2	4553.4	4533.2	4499.6	4452.8	4393.1	4320.6	4235.9
50°	5312.9	5394.8	5444.1	5460.6	5444.1	5394.8	5312.9	5198.9	5053.5	4877.4	4671.7
47.5°	7156.3	7361.3	7484.8	7526.1	7484.8	7361.3	7156.3	6871.2	6507.8	6068.4	5555.5
45°	12902.3	13625.1	14060.9	14206.6	14060.9	13625.1	12902.3	11897.9	10619.1	9074.7	7448.4
42.5°	20205.9	21104.8	21647.3	21828.6	21647.3	21104.8	20205.9	18958.1	17371.4	15458.3	13353.1
40°	28335.4	29425.4	30083.7	30303.9	30083.7	29425.4	28335.4	26824.1	24905.5	22596.4	20108.6
37.5°	37650.3	39032.5	39868.1	40147.7	39868.1	39032.5	37650.3	35736.9	33312.3	30400.8	27484.7
35°	47656.3	49252.4	50218.5	50542.0	50218.5	49252.4	47656.3	45450.7	42662.3	39366.3	35714.7
32.5°	59938.0	62212.5	63591.5	64053.6	63591.5	62212.5	59938.0	56801.7	52847.5	48684.0	44505.7
30°	76695.0	80216.8	82356.1	83073.7	82356.1	80216.8	76695.0	71852.2	65767.2	60130.1	54240.0
27.5°	94643.2	98404.5	100694.9	101464.2	100694.9	98404.5	94643.2	89488.9	83038.6	75143.7	66143.1
25°	112072.8	116174.1	118679.5	119522.4	118679.5	116174.1	112072.8	106477.5	99477.7	91132.0	81626.9
22.5°	130459.3	135621.5	138788.4	139856.3	138788.4	135621.5	130459.3	123457.1	115329.6	106349.2	96150.9
20°	151880.5	159083.7	163528.5	165031.9	163528.5	159083.7	151880.5	142185.1	132141.7	121033.5	109865.5
17.5°	176344.9	185494.5	191186.7	193120.7	191186.7	185494.5	176344.9	164249.3	151019.3	136644.1	123156.7
15°	200461.0	209432.1	215080.5	217012.8	215080.5	209432.1	200461.0	187909.0	171399.2	154049.5	136644.1
12.5°	220380.3	227370.2	230766.2	231732.7	230766.2	227370.2	220380.3	207858.1	191918.9	171399.2	151019.3
10°	231823.7	238068.0	241571.0	242718.3	241571.0	238068.0	231823.7	223652.6	207858.1	187909.0	164249.3
7.5°	240491.3	245173.9	248179.0	249212.7	248179.0	245173.9	240491.3	231823.7	220380.3	200461.0	176344.9
5°	245173.9	250323.1	253512.7	254687.4	253512.7	250323.1	245173.9	238068.0	227370.2	209432.1	185494.5
2.5°	248179.0	253512.7	255912.5	256308.2	255912.5	253512.7	248179.0	241571.0	230766.2	215080.5	191186.7
0°	249212.7	254687.4	256308.2	256614.1	256308.2	254687.4	249212.7	242718.3	231732.7	217012.8	193120.7
-2.5°	248179.0	253512.7	255912.5	256308.2	255912.5	253512.7	248179.0	241571.0	230766.2	215080.5	191186.7
-5°	245173.9	250323.1	253512.7	254687.4	253512.7	250323.1	245173.9	238068.0	227370.2	209432.1	185494.5
-7.5°	240491.3	245173.9	248179.0	249212.7	248179.0	245173.9	240491.3	231823.7	220380.3	200461.0	176344.9
-10°	231823.7	238068.0	241571.0	242718.3	241571.0	238068.0	231823.7	223652.6	207858.1	187909.0	164249.3
-12.5°	220380.3	227370.2	230766.2	231732.7	230766.2	227370.2	220380.3	207858.1	191918.9	171399.2	151019.3
-15°	200461.0	209432.1	215080.5	217012.8	215080.5	209432.1	200461.0	187909.0	171399.2	154049.5	136644.1
-17.5°	176344.9	185494.5	191186.7	193120.7	191186.7	185494.5	176344.9	164249.3	151019.3	136644.1	123156.7
-20°	151880.5	159083.7	163528.5	165031.9	163528.5	159083.7	151880.5	142185.1	132141.7	121033.5	109865.5



REPORT NUMBER: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-70-5S-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	130459.3	135621.5	138788.4	139856.3	138788.4	135621.5	130459.3	123457.1	115329.6	106349.2	96150.9
-25°	112072.8	116174.1	118679.5	119522.4	118679.5	116174.1	112072.8	106477.5	99477.7	91132.0	81626.9
-27.5°	94643.2	98404.5	100694.9	101464.2	100694.9	98404.5	94643.2	89488.9	83038.6	75143.7	66143.1
-30°	76695.0	80216.8	82356.1	83073.7	82356.1	80216.8	76695.0	71852.2	65767.2	60130.1	54240.0
-32.5°	59938.0	62212.5	63591.5	64053.6	63591.5	62212.5	59938.0	56801.7	52847.5	48684.0	44505.7
-35°	47656.3	49252.4	50218.5	50542.0	50218.5	49252.4	47656.3	45450.7	42662.3	39366.3	35714.7
-37.5°	37650.3	39032.5	39868.1	40147.7	39868.1	39032.5	37650.3	35736.9	33312.3	30400.8	27484.7
-40°	28335.4	29425.4	30083.7	30303.9	30083.7	29425.4	28335.4	26824.1	24905.5	22596.4	20108.6
-42.5°	20205.9	21104.8	21647.3	21828.6	21647.3	21104.8	20205.9	18958.1	17371.4	15458.3	13353.1
-45°	12902.3	13625.1	14060.9	14206.6	14060.9	13625.1	12902.3	11897.9	10619.1	9074.7	7448.4
-47.5°	7156.3	7361.3	7484.8	7526.1	7484.8	7361.3	7156.3	6871.2	6507.8	6068.4	5555.5
-50°	5312.9	5394.8	5444.1	5460.6	5444.1	5394.8	5312.9	5198.9	5053.5	4877.4	4671.7
-52.5°	4499.6	4533.2	4553.4	4560.2	4553.4	4533.2	4499.6	4452.8	4393.1	4320.6	4235.9
-55°	4062.0	4114.4	4146.0	4156.5	4146.0	4114.4	4062.0	3988.9	3895.5	3782.2	3649.5
-57.5°	3374.8	3425.6	3456.2	3466.4	3456.2	3425.6	3374.8	3304.0	3213.5	3103.6	2974.8
-60°	2658.5	2699.4	2724.0	2732.2	2724.0	2699.4	2658.5	2601.5	2528.5	2439.9	2335.9
-62.5°	2024.9	2055.6	2074.0	2080.2	2074.0	2055.6	2024.9	1982.1	1927.3	1860.7	1782.5
-65°	1496.3	1519.3	1533.1	1537.7	1533.1	1519.3	1496.3	1464.2	1423.1	1373.1	1314.4
-67.5°	1054.6	1071.0	1080.8	1084.1	1080.8	1071.0	1054.6	1031.7	1002.4	966.8	925.0
-70°	700.3	711.5	718.2	720.5	718.2	711.5	700.3	684.6	664.5	640.1	611.4
-72.5°	425.2	431.8	435.7	437.0	435.7	431.8	425.2	416.1	404.4	390.1	373.4
-75°	240.0	243.5	245.6	246.3	245.6	243.5	240.0	235.2	229.0	221.4	212.5
-77.5°	124.4	125.9	126.8	127.1	126.8	125.9	124.4	122.3	119.7	116.4	112.6
-80°	64.7	65.1	65.4	65.5	65.4	65.1	64.7	64.1	63.2	62.3	61.1
-82.5°	41.5	41.8	41.9	42.0	41.9	41.8	41.5	41.1	40.6	40.0	39.3
-85°	22.2	22.4	22.5	22.5	22.5	22.4	22.2	22.0	21.8	21.4	21.0
-87.5°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
-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: P1306433 (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°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
85°	20.6	20.1	19.6	18.9	18.3	17.6	16.8	16.0	15.1	14.2	13.3
82.5°	38.5	37.5	36.5	35.4	34.1	32.8	31.4	29.9	28.3	26.6	24.8
80°	59.8	58.3	56.6	54.8	52.8	50.7	48.4	45.9	43.4	40.9	38.5
77.5°	108.3	103.3	97.8	91.8	85.3	78.3	70.7	64.4	61.2	57.8	54.3
75°	202.2	190.7	177.9	163.9	148.7	132.3	120.7	111.1	100.9	90.2	78.9
72.5°	354.1	332.5	308.5	282.1	253.5	231.6	211.0	189.2	166.1	141.8	121.6
70°	578.4	541.4	500.2	455.2	416.4	381.0	343.2	303.1	260.7	227.5	198.4
67.5°	877.0	823.0	763.2	702.7	647.3	587.8	524.2	456.7	402.4	352.2	299.7
65°	1247.2	1171.6	1087.9	1013.7	934.2	848.7	757.5	674.0	594.6	511.3	428.4
62.5°	1692.9	1592.4	1490.4	1388.6	1278.4	1160.2	1044.1	937.1	824.5	709.6	613.5
60°	2216.9	2083.4	1960.0	1825.8	1680.7	1527.1	1388.6	1242.1	1087.9	957.8	823.0
57.5°	2827.5	2670.2	2508.1	2331.3	2140.3	1960.0	1779.0	1587.8	1411.6	1236.0	1059.3
55°	3498.0	3319.5	3120.2	2903.1	2675.9	2453.3	2216.9	1986.5	1768.7	1541.4	1343.1
52.5°	4127.0	3942.1	3738.4	3516.7	3265.7	2994.2	2709.2	2439.9	2157.6	1899.7	1645.5
50°	4505.1	4387.6	4258.4	4090.6	3832.4	3557.0	3252.6	2926.3	2601.5	2285.9	1979.1
47.5°	5247.6	4963.9	4652.2	4449.8	4287.1	4083.5	3770.4	3440.1	3074.9	2699.4	2350.4
45°	6816.5	6112.9	5408.6	5044.5	4654.3	4416.5	4220.5	3914.7	3548.6	3149.7	2732.2
42.5°	11142.3	8685.8	7053.8	6156.1	5345.4	4901.9	4504.1	4285.3	3987.4	3584.4	3149.7
40°	17382.8	14361.3	11452.2	8337.9	6750.1	5664.1	5052.3	4548.3	4307.0	3987.4	3548.6
37.5°	24211.1	20716.9	17175.6	13473.5	9926.2	7111.5	5900.4	5102.8	4548.3	4285.3	3914.7
35°	31609.4	27533.2	23308.7	19090.3	14775.6	10729.2	7232.9	5900.4	5052.3	4504.1	4220.5
32.5°	39842.4	34976.4	29799.4	24967.3	20059.7	15247.9	10729.2	7111.5	5664.1	4901.9	4416.5
30°	48332.8	42808.4	37037.4	31052.8	25525.1	20059.7	14775.6	9926.2	6750.1	5345.4	4654.3
27.5°	58442.4	50725.2	44324.6	37731.5	31052.8	24967.3	19090.3	13473.5	8337.9	6156.1	5044.5
25°	70837.5	60584.4	51755.7	44324.6	37037.4	29799.4	23308.7	17175.6	11452.2	7053.8	5408.6
22.5°	84882.1	72424.6	60584.4	50725.2	42808.4	34976.4	27533.2	20716.9	14361.3	8685.8	6112.9
20°	97853.1	84882.1	70837.5	58442.4	48332.8	39842.4	31609.4	24211.1	17382.8	11142.3	6816.5
17.5°	109865.5	96150.9	81626.9	66143.1	54240.0	44505.7	35714.7	27484.7	20108.6	13353.1	7448.4
15°	121033.5	106349.2	91132.0	75143.7	60130.1	48684.0	39366.3	30400.8	22596.4	15458.3	9074.7
12.5°	132141.7	115329.6	99477.7	83038.6	65767.2	52847.5	42662.3	33312.3	24905.5	17371.4	10619.1
10°	142185.1	123457.1	106477.5	89488.9	71852.2	56801.7	45450.7	35736.9	26824.1	18958.1	11897.9
7.5°	151880.5	130459.3	112072.8	94643.2	76695.0	59938.0	47656.3	37650.3	28335.4	20205.9	12902.3
5°	159083.7	135621.5	116174.1	98404.5	80216.8	62212.5	49252.4	39032.5	29425.4	21104.8	13625.1
2.5°	163528.5	138788.4	118679.5	100694.9	82356.1	63591.5	50218.5	39868.1	30083.7	21647.3	14060.9
0°	165031.9	139856.3	119522.4	101464.2	83073.7	64053.6	50542.0	40147.7	30303.9	21828.6	14206.6
-2.5°	163528.5	138788.4	118679.5	100694.9	82356.1	63591.5	50218.5	39868.1	30083.7	21647.3	14060.9
-5°	159083.7	135621.5	116174.1	98404.5	80216.8	62212.5	49252.4	39032.5	29425.4	21104.8	13625.1
-7.5°	151880.5	130459.3	112072.8	94643.2	76695.0	59938.0	47656.3	37650.3	28335.4	20205.9	12902.3
-10°	142185.1	123457.1	106477.5	89488.9	71852.2	56801.7	45450.7	35736.9	26824.1	18958.1	11897.9
-12.5°	132141.7	115329.6	99477.7	83038.6	65767.2	52847.5	42662.3	33312.3	24905.5	17371.4	10619.1
-15°	121033.5	106349.2	91132.0	75143.7	60130.1	48684.0	39366.3	30400.8	22596.4	15458.3	9074.7
-17.5°	109865.5	96150.9	81626.9	66143.1	54240.0	44505.7	35714.7	27484.7	20108.6	13353.1	7448.4
-20°	97853.1	84882.1	70837.5	58442.4	48332.8	39842.4	31609.4	24211.1	17382.8	11142.3	6816.5



REPORT NUMBER: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-70-5S-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	84882.1	72424.6	60584.4	50725.2	42808.4	34976.4	27533.2	20716.9	14361.3	8685.8	6112.9
-25°	70837.5	60584.4	51755.7	44324.6	37037.4	29799.4	23308.7	17175.6	11452.2	7053.8	5408.6
-27.5°	58442.4	50725.2	44324.6	37731.5	31052.8	24967.3	19090.3	13473.5	8337.9	6156.1	5044.5
-30°	48332.8	42808.4	37037.4	31052.8	25525.1	20059.7	14775.6	9926.2	6750.1	5345.4	4654.3
-32.5°	39842.4	34976.4	29799.4	24967.3	20059.7	15247.9	10729.2	7111.5	5664.1	4901.9	4416.5
-35°	31609.4	27533.2	23308.7	19090.3	14775.6	10729.2	7232.9	5900.4	5052.3	4504.1	4220.5
-37.5°	24211.1	20716.9	17175.6	13473.5	9926.2	7111.5	5900.4	5102.8	4548.3	4285.3	3914.7
-40°	17382.8	14361.3	11452.2	8337.9	6750.1	5664.1	5052.3	4548.3	4307.0	3987.4	3548.6
-42.5°	11142.3	8685.8	7053.8	6156.1	5345.4	4901.9	4504.1	4285.3	3987.4	3584.4	3149.7
-45°	6816.5	6112.9	5408.6	5044.5	4654.3	4416.5	4220.5	3914.7	3548.6	3149.7	2732.2
-47.5°	5247.6	4963.9	4652.2	4449.8	4287.1	4083.5	3770.4	3440.1	3074.9	2699.4	2350.4
-50°	4505.1	4387.6	4258.4	4090.6	3832.4	3557.0	3252.6	2926.3	2601.5	2285.9	1979.1
-52.5°	4127.0	3942.1	3738.4	3516.7	3265.7	2994.2	2709.2	2439.9	2157.6	1899.7	1645.5
-55°	3498.0	3319.5	3120.2	2903.1	2675.9	2453.3	2216.9	1986.5	1768.7	1541.4	1343.1
-57.5°	2827.5	2670.2	2508.1	2331.3	2140.3	1960.0	1779.0	1587.8	1411.6	1236.0	1059.3
-60°	2216.9	2083.4	1960.0	1825.8	1680.7	1527.1	1388.6	1242.1	1087.9	957.8	823.0
-62.5°	1692.9	1592.4	1490.4	1388.6	1278.4	1160.2	1044.1	937.1	824.5	709.6	613.5
-65°	1247.2	1171.6	1087.9	1013.7	934.2	848.7	757.5	674.0	594.6	511.3	428.4
-67.5°	877.0	823.0	763.2	702.7	647.3	587.8	524.2	456.7	402.4	352.2	299.7
-70°	578.4	541.4	500.2	455.2	416.4	381.0	343.2	303.1	260.7	227.5	198.4
-72.5°	354.1	332.5	308.5	282.1	253.5	231.6	211.0	189.2	166.1	141.8	121.6
-75°	202.2	190.7	177.9	163.9	148.7	132.3	120.7	111.1	100.9	90.2	78.9
-77.5°	108.3	103.3	97.8	91.8	85.3	78.3	70.7	64.4	61.2	57.8	54.3
-80°	59.8	58.3	56.6	54.8	52.8	50.7	48.4	45.9	43.4	40.9	38.5
-82.5°	38.5	37.5	36.5	35.4	34.1	32.8	31.4	29.9	28.3	26.6	24.8
-85°	20.6	20.1	19.6	18.9	18.3	17.6	16.8	16.0	15.1	14.2	13.3
-87.5°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	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: P1306433 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-70-5S-A

**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°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
85°	12.3	11.3	10.2	9.1	8.0	6.8	6.3	5.7	5.2	4.6	4.1
82.5°	23.0	21.3	19.7	18.1	16.4	14.6	12.8	11.0	9.1	7.2	6.1
80°	36.0	33.5	30.8	28.1	25.3	22.4	20.0	17.5	15.0	12.5	9.9
77.5°	50.5	46.7	42.7	39.1	35.6	32.0	28.2	24.4	20.9	17.8	14.5
75°	67.2	61.5	56.7	51.8	46.6	41.5	37.0	32.5	27.8	23.1	19.1
72.5°	107.9	93.7	79.0	64.9	58.9	52.8	46.5	40.4	35.0	29.5	24.0
70°	168.1	136.6	115.2	97.9	80.0	64.1	56.9	49.6	42.2	35.9	29.5
67.5°	245.5	210.1	173.4	135.7	111.5	90.9	69.9	59.0	50.7	42.2	35.0
65°	367.6	304.5	241.9	200.0	156.9	119.7	96.4	72.6	59.0	49.6	40.4
62.5°	513.8	419.1	347.4	273.6	216.0	167.6	122.4	96.4	69.9	56.9	46.5
60°	691.3	578.4	462.1	373.4	290.8	221.4	167.6	119.7	90.9	64.1	52.8
57.5°	907.3	750.2	617.5	488.0	382.0	290.8	216.0	156.9	111.5	80.0	58.9
55°	1138.4	958.3	784.0	630.6	488.0	373.4	273.6	200.0	135.7	97.9	64.9
52.5°	1407.9	1181.3	975.3	784.0	617.5	462.1	347.4	241.9	173.4	115.2	79.0
50°	1697.9	1429.7	1181.3	958.3	750.2	578.4	419.1	304.5	210.1	136.6	93.7
47.5°	2005.7	1697.9	1407.9	1138.4	907.3	691.3	513.8	367.6	245.5	168.1	107.9
45°	2350.4	1979.1	1645.5	1343.1	1059.3	823.0	613.5	428.4	299.7	198.4	121.6
42.5°	2699.4	2285.9	1899.7	1541.4	1236.0	957.8	709.6	511.3	352.2	227.5	141.8
40°	3074.9	2601.5	2157.6	1768.7	1411.6	1087.9	824.5	594.6	402.4	260.7	166.1
37.5°	3440.1	2926.3	2439.9	1986.5	1587.8	1242.1	937.1	674.0	456.7	303.1	189.2
35°	3770.4	3252.6	2709.2	2216.9	1779.0	1388.6	1044.1	757.5	524.2	343.2	211.0
32.5°	4083.5	3557.0	2994.2	2453.3	1960.0	1527.1	1160.2	848.7	587.8	381.0	231.6
30°	4287.1	3832.4	3265.7	2675.9	2140.3	1680.7	1278.4	934.2	647.3	416.4	253.5
27.5°	4449.8	4090.6	3516.7	2903.1	2331.3	1825.8	1388.6	1013.7	702.7	455.2	282.1
25°	4652.2	4258.4	3738.4	3120.2	2508.1	1960.0	1490.4	1087.9	763.2	500.2	308.5
22.5°	4963.9	4387.6	3942.1	3319.5	2670.2	2083.4	1592.4	1171.6	823.0	541.4	332.5
20°	5247.6	4505.1	4127.0	3498.0	2827.5	2216.9	1692.9	1247.2	877.0	578.4	354.1
17.5°	5555.5	4671.7	4235.9	3649.5	2974.8	2335.9	1782.5	1314.4	925.0	611.4	373.4
15°	6068.4	4877.4	4320.6	3782.2	3103.6	2439.9	1860.7	1373.1	966.8	640.1	390.1
12.5°	6507.8	5053.5	4393.1	3895.5	3213.5	2528.5	1927.3	1423.1	1002.4	664.5	404.4
10°	6871.2	5198.9	4452.8	3988.9	3304.0	2601.5	1982.1	1464.2	1031.7	684.6	416.1
7.5°	7156.3	5312.9	4499.6	4062.0	3374.8	2658.5	2024.9	1496.3	1054.6	700.3	425.2
5°	7361.3	5394.8	4533.2	4114.4	3425.6	2699.4	2055.6	1519.3	1071.0	711.5	431.8
2.5°	7484.8	5444.1	4553.4	4146.0	3456.2	2724.0	2074.0	1533.1	1080.8	718.2	435.7
0°	7526.1	5460.6	4560.2	4156.5	3466.4	2732.2	2080.2	1537.7	1084.1	720.5	437.0
-2.5°	7484.8	5444.1	4553.4	4146.0	3456.2	2724.0	2074.0	1533.1	1080.8	718.2	435.7
-5°	7361.3	5394.8	4533.2	4114.4	3425.6	2699.4	2055.6	1519.3	1071.0	711.5	431.8
-7.5°	7156.3	5312.9	4499.6	4062.0	3374.8	2658.5	2024.9	1496.3	1054.6	700.3	425.2
-10°	6871.2	5198.9	4452.8	3988.9	3304.0	2601.5	1982.1	1464.2	1031.7	684.6	416.1
-12.5°	6507.8	5053.5	4393.1	3895.5	3213.5	2528.5	1927.3	1423.1	1002.4	664.5	404.4
-15°	6068.4	4877.4	4320.6	3782.2	3103.6	2439.9	1860.7	1373.1	966.8	640.1	390.1
-17.5°	5555.5	4671.7	4235.9	3649.5	2974.8	2335.9	1782.5	1314.4	925.0	611.4	373.4
-20°	5247.6	4505.1	4127.0	3498.0	2827.5	2216.9	1692.9	1247.2	877.0	578.4	354.1



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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°	4963.9	4387.6	3942.1	3319.5	2670.2	2083.4	1592.4	1171.6	823.0	541.4	332.5
-25°	4652.2	4258.4	3738.4	3120.2	2508.1	1960.0	1490.4	1087.9	763.2	500.2	308.5
-27.5°	4449.8	4090.6	3516.7	2903.1	2331.3	1825.8	1388.6	1013.7	702.7	455.2	282.1
-30°	4287.1	3832.4	3265.7	2675.9	2140.3	1680.7	1278.4	934.2	647.3	416.4	253.5
-32.5°	4083.5	3557.0	2994.2	2453.3	1960.0	1527.1	1160.2	848.7	587.8	381.0	231.6
-35°	3770.4	3252.6	2709.2	2216.9	1779.0	1388.6	1044.1	757.5	524.2	343.2	211.0
-37.5°	3440.1	2926.3	2439.9	1986.5	1587.8	1242.1	937.1	674.0	456.7	303.1	189.2
-40°	3074.9	2601.5	2157.6	1768.7	1411.6	1087.9	824.5	594.6	402.4	260.7	166.1
-42.5°	2699.4	2285.9	1899.7	1541.4	1236.0	957.8	709.6	511.3	352.2	227.5	141.8
-45°	2350.4	1979.1	1645.5	1343.1	1059.3	823.0	613.5	428.4	299.7	198.4	121.6
-47.5°	2005.7	1697.9	1407.9	1138.4	907.3	691.3	513.8	367.6	245.5	168.1	107.9
-50°	1697.9	1429.7	1181.3	958.3	750.2	578.4	419.1	304.5	210.1	136.6	93.7
-52.5°	1407.9	1181.3	975.3	784.0	617.5	462.1	347.4	241.9	173.4	115.2	79.0
-55°	1138.4	958.3	784.0	630.6	488.0	373.4	273.6	200.0	135.7	97.9	64.9
-57.5°	907.3	750.2	617.5	488.0	382.0	290.8	216.0	156.9	111.5	80.0	58.9
-60°	691.3	578.4	462.1	373.4	290.8	221.4	167.6	119.7	90.9	64.1	52.8
-62.5°	513.8	419.1	347.4	273.6	216.0	167.6	122.4	96.4	69.9	56.9	46.5
-65°	367.6	304.5	241.9	200.0	156.9	119.7	96.4	72.6	59.0	49.6	40.4
-67.5°	245.5	210.1	173.4	135.7	111.5	90.9	69.9	59.0	50.7	42.2	35.0
-70°	168.1	136.6	115.2	97.9	80.0	64.1	56.9	49.6	42.2	35.9	29.5
-72.5°	107.9	93.7	79.0	64.9	58.9	52.8	46.5	40.4	35.0	29.5	24.0
-75°	67.2	61.5	56.7	51.8	46.6	41.5	37.0	32.5	27.8	23.1	19.1
-77.5°	50.5	46.7	42.7	39.1	35.6	32.0	28.2	24.4	20.9	17.8	14.5
-80°	36.0	33.5	30.8	28.1	25.3	22.4	20.0	17.5	15.0	12.5	9.9
-82.5°	23.0	21.3	19.7	18.1	16.4	14.6	12.8	11.0	9.1	7.2	6.1
-85°	12.3	11.3	10.2	9.1	8.0	6.8	6.3	5.7	5.2	4.6	4.1
-87.5°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
-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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
80°	7.3	5.9	4.7	3.5	2.4	1.2	0.0
77.5°	11.3	8.0	5.9	4.4	2.9	1.5	0.0
75°	15.2	11.3	7.3	5.3	3.5	1.8	0.0
72.5°	19.1	14.5	9.9	6.1	4.1	2.0	0.0
70°	23.1	17.8	12.5	7.2	4.6	2.3	0.0
67.5°	27.8	20.9	15.0	9.1	5.2	2.6	0.0
65°	32.5	24.4	17.5	11.0	5.7	2.9	0.0
62.5°	37.0	28.2	20.0	12.8	6.3	3.1	0.0
60°	41.5	32.0	22.4	14.6	6.8	3.4	0.0
57.5°	46.6	35.6	25.3	16.4	8.0	3.7	0.0
55°	51.8	39.1	28.1	18.1	9.1	3.9	0.0
52.5°	56.7	42.7	30.8	19.7	10.2	4.1	0.0
50°	61.5	46.7	33.5	21.3	11.3	4.4	0.0
47.5°	67.2	50.5	36.0	23.0	12.3	4.6	0.0
45°	78.9	54.3	38.5	24.8	13.3	4.8	0.0
42.5°	90.2	57.8	40.9	26.6	14.2	5.0	0.0
40°	100.9	61.2	43.4	28.3	15.1	5.2	0.0
37.5°	111.1	64.4	45.9	29.9	16.0	5.4	0.0
35°	120.7	70.7	48.4	31.4	16.8	5.6	0.0
32.5°	132.3	78.3	50.7	32.8	17.6	5.7	0.0
30°	148.7	85.3	52.8	34.1	18.3	5.9	0.0
27.5°	163.9	91.8	54.8	35.4	18.9	6.0	0.0
25°	177.9	97.8	56.6	36.5	19.6	6.2	0.0
22.5°	190.7	103.3	58.3	37.5	20.1	6.3	0.0
20°	202.2	108.3	59.8	38.5	20.6	6.4	0.0
17.5°	212.5	112.6	61.1	39.3	21.0	6.5	0.0
15°	221.4	116.4	62.3	40.0	21.4	6.6	0.0
12.5°	229.0	119.7	63.2	40.6	21.8	6.6	0.0
10°	235.2	122.3	64.1	41.1	22.0	6.7	0.0
7.5°	240.0	124.4	64.7	41.5	22.2	6.7	0.0
5°	243.5	125.9	65.1	41.8	22.4	6.8	0.0
2.5°	245.6	126.8	65.4	41.9	22.5	6.8	0.0
0°	246.3	127.1	65.5	42.0	22.5	6.8	0.0
-2.5°	245.6	126.8	65.4	41.9	22.5	6.8	0.0
-5°	243.5	125.9	65.1	41.8	22.4	6.8	0.0
-7.5°	240.0	124.4	64.7	41.5	22.2	6.7	0.0
-10°	235.2	122.3	64.1	41.1	22.0	6.7	0.0
-12.5°	229.0	119.7	63.2	40.6	21.8	6.6	0.0
-15°	221.4	116.4	62.3	40.0	21.4	6.6	0.0
-17.5°	212.5	112.6	61.1	39.3	21.0	6.5	0.0
-20°	202.2	108.3	59.8	38.5	20.6	6.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	190.7	103.3	58.3	37.5	20.1	6.3	0.0
-25°	177.9	97.8	56.6	36.5	19.6	6.2	0.0
-27.5°	163.9	91.8	54.8	35.4	18.9	6.0	0.0
-30°	148.7	85.3	52.8	34.1	18.3	5.9	0.0
-32.5°	132.3	78.3	50.7	32.8	17.6	5.7	0.0
-35°	120.7	70.7	48.4	31.4	16.8	5.6	0.0
-37.5°	111.1	64.4	45.9	29.9	16.0	5.4	0.0
-40°	100.9	61.2	43.4	28.3	15.1	5.2	0.0
-42.5°	90.2	57.8	40.9	26.6	14.2	5.0	0.0
-45°	78.9	54.3	38.5	24.8	13.3	4.8	0.0
-47.5°	67.2	50.5	36.0	23.0	12.3	4.6	0.0
-50°	61.5	46.7	33.5	21.3	11.3	4.4	0.0
-52.5°	56.7	42.7	30.8	19.7	10.2	4.1	0.0
-55°	51.8	39.1	28.1	18.1	9.1	3.9	0.0
-57.5°	46.6	35.6	25.3	16.4	8.0	3.7	0.0
-60°	41.5	32.0	22.4	14.6	6.8	3.4	0.0
-62.5°	37.0	28.2	20.0	12.8	6.3	3.1	0.0
-65°	32.5	24.4	17.5	11.0	5.7	2.9	0.0
-67.5°	27.8	20.9	15.0	9.1	5.2	2.6	0.0
-70°	23.1	17.8	12.5	7.2	4.6	2.3	0.0
-72.5°	19.1	14.5	9.9	6.1	4.1	2.0	0.0
-75°	15.2	11.3	7.3	5.3	3.5	1.8	0.0
-77.5°	11.3	8.0	5.9	4.4	2.9	1.5	0.0
-80°	7.3	5.9	4.7	3.5	2.4	1.2	0.0
-82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)