

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: P1306438 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-40-80-2S-A**

Issue Date: 2/3/2026

**Test Information**

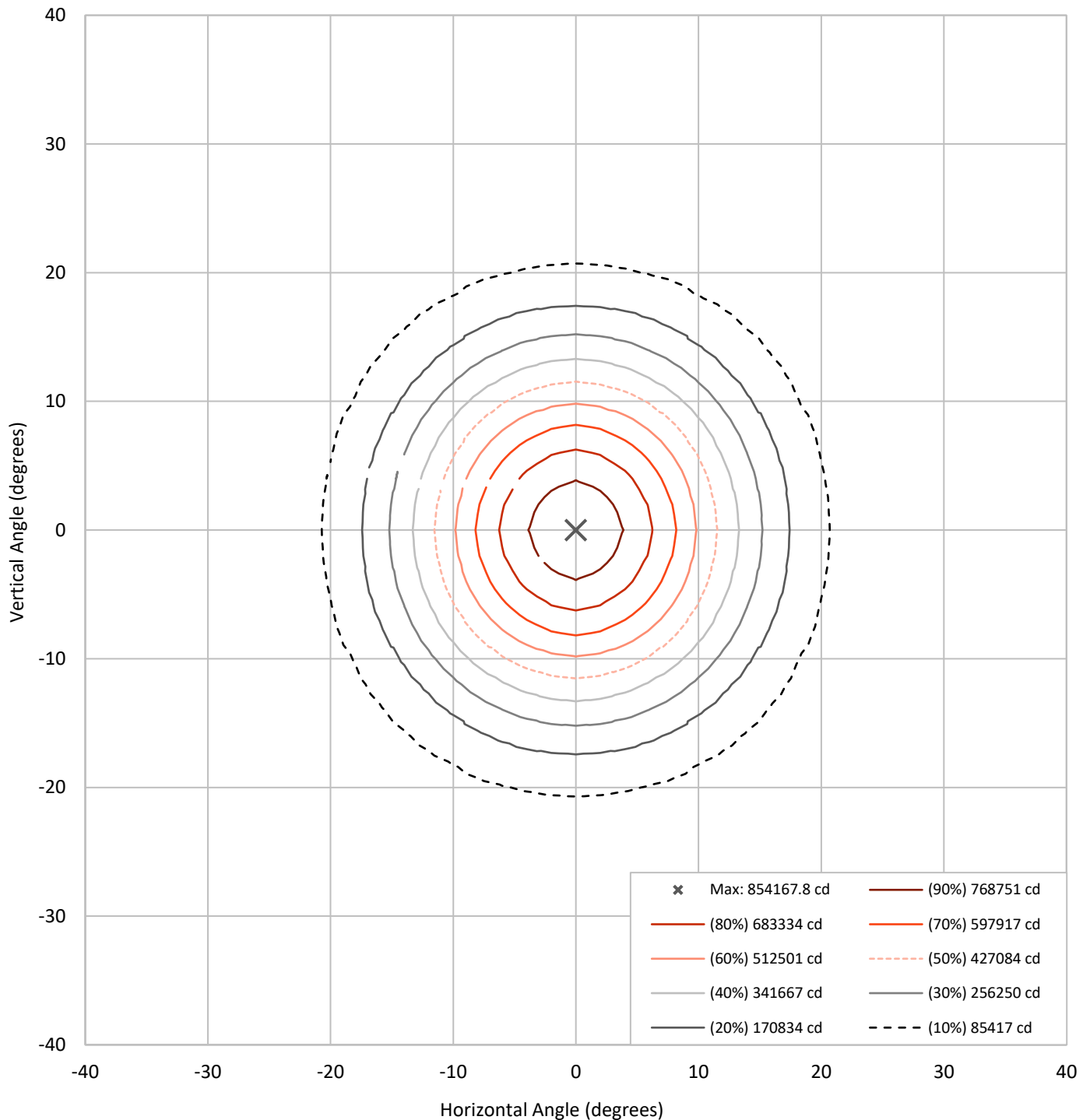
Test Method: LM-79-08  
Report Number: P1306438 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200L-40-80-2S-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	171512.7 lumens	Max Intensity:	854167.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	135.5 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	41.4°H x 41.4°V
Beam Lumens:	77267.5 lumens	Field Lumens:	136314.9 lumens
Beam Efficiency:	45.1%	Field Efficiency:	79.5%
Input Watts (W):	1266		
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





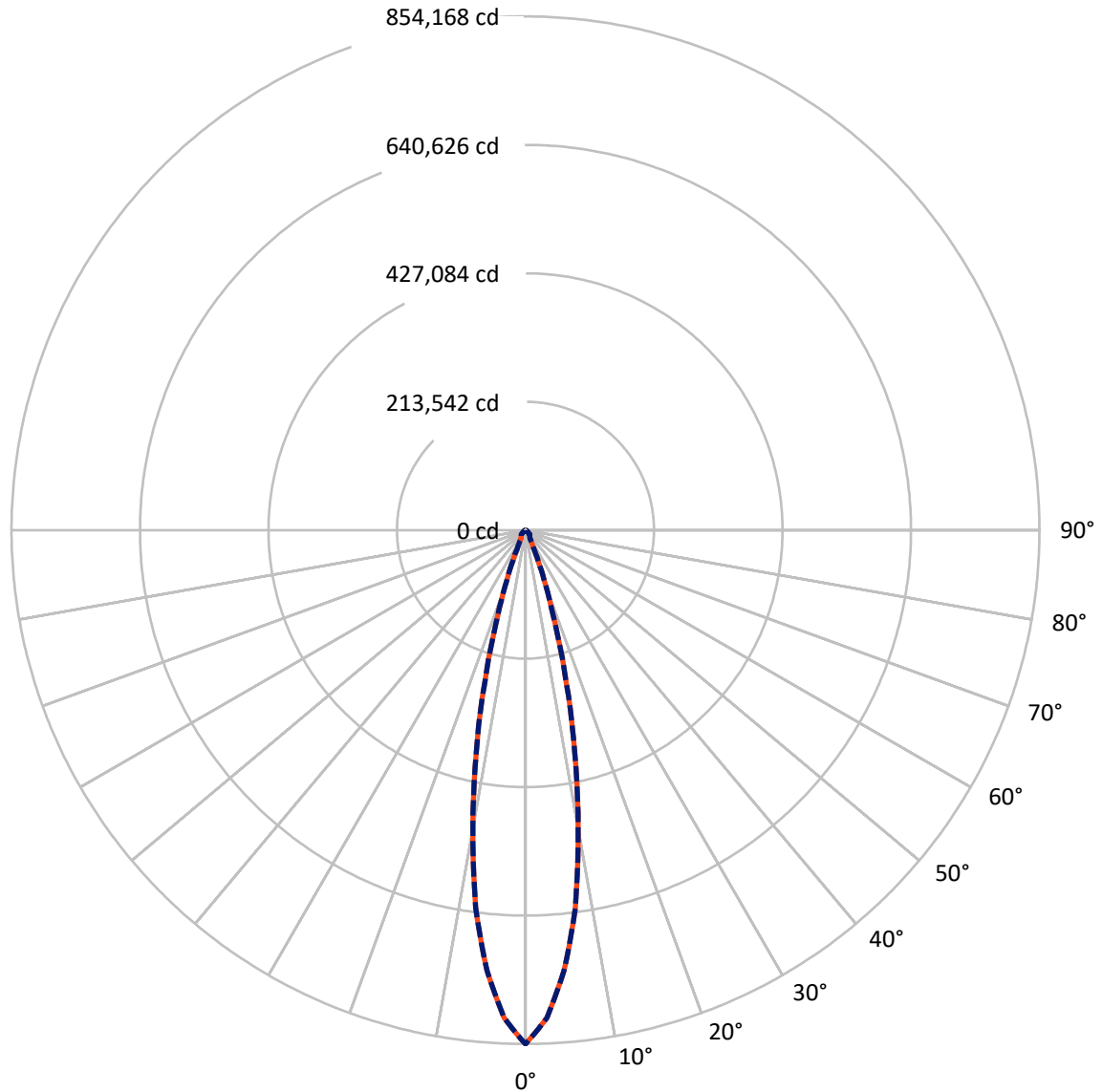
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### Lumen Table

90	0.3		2.1		7.5		18.0		23.3		18.0		7.5		2.1		0.3
80	0.3		2.1		7.5		18.0		23.3		18.0		7.5		2.1		0.3
70	0.9	1.1	4.4	12.3	23.6	35.7	45.9	51.6	51.6	45.9	35.7	23.6	12.3	4.4	1.1	0.9	
60		3.4	14.0	32.9	57.2	81.6	99.8	109.6	109.6	99.8	81.6	57.2	32.9	14.0	3.4		
50	2.5	7.6	26.9	58.1	93.8	150.5	221.7	262.3	262.3	221.7	150.5	93.8	58.1	26.9	7.6	2.5	
40		12.6	40.4	81.1	172.6	287.5	349.9	384.0	384.0	349.9	287.5	172.6	81.1	40.4	12.6		
30	5.2	17.2	52.2	118.6	260.3	355.5	558.2	1052.0	1052.0	558.2	355.5	260.3	118.6	52.2	17.2	5.2	
20		20.7	59.9	164.3	297.3	525.7	2627.3	7109.1	7109.1	2627.3	525.7	297.3	164.3	59.9	20.7		
10	6.4	22.6	63.7	188.1	316.5	968.0	6926.4	18401.4	18401.4	6926.4	968.0	316.5	188.1	63.7	22.6	6.4	
0		22.6	63.7	188.1	316.5	968.0	6926.4	18401.4	18401.4	6926.4	968.0	316.5	188.1	63.7	22.6		
-10	5.2	20.7	59.9	164.3	297.3	525.7	2627.3	7109.1	7109.1	2627.3	525.7	297.3	164.3	59.9	20.7	5.2	
-20		17.2	52.2	118.6	260.3	355.5	558.2	1052.0	1052.0	558.2	355.5	260.3	118.6	52.2	17.2		
-30	2.5	12.6	40.4	81.1	172.6	287.5	349.9	384.0	384.0	349.9	287.5	172.6	81.1	40.4	12.6	2.5	
-40		7.6	26.9	58.1	93.8	150.5	221.7	262.3	262.3	221.7	150.5	93.8	58.1	26.9	7.6		
-50	0.9	3.4	14.0	32.9	57.2	81.6	99.8	109.6	109.6	99.8	81.6	57.2	32.9	14.0	3.4	0.9	
-60		1.1	4.4	12.3	23.6	35.7	45.9	51.6	51.6	45.9	35.7	23.6	12.3	4.4	1.1		
-70	0.3		2.1		7.5		18.0		23.3		18.0		7.5		2.1		0.3
-80	0.3		2.1		7.5		18.0		23.3		18.0		7.5		2.1		0.3
-90	0.3		2.1		7.5		18.0		23.3		18.0		7.5		2.1		0.3

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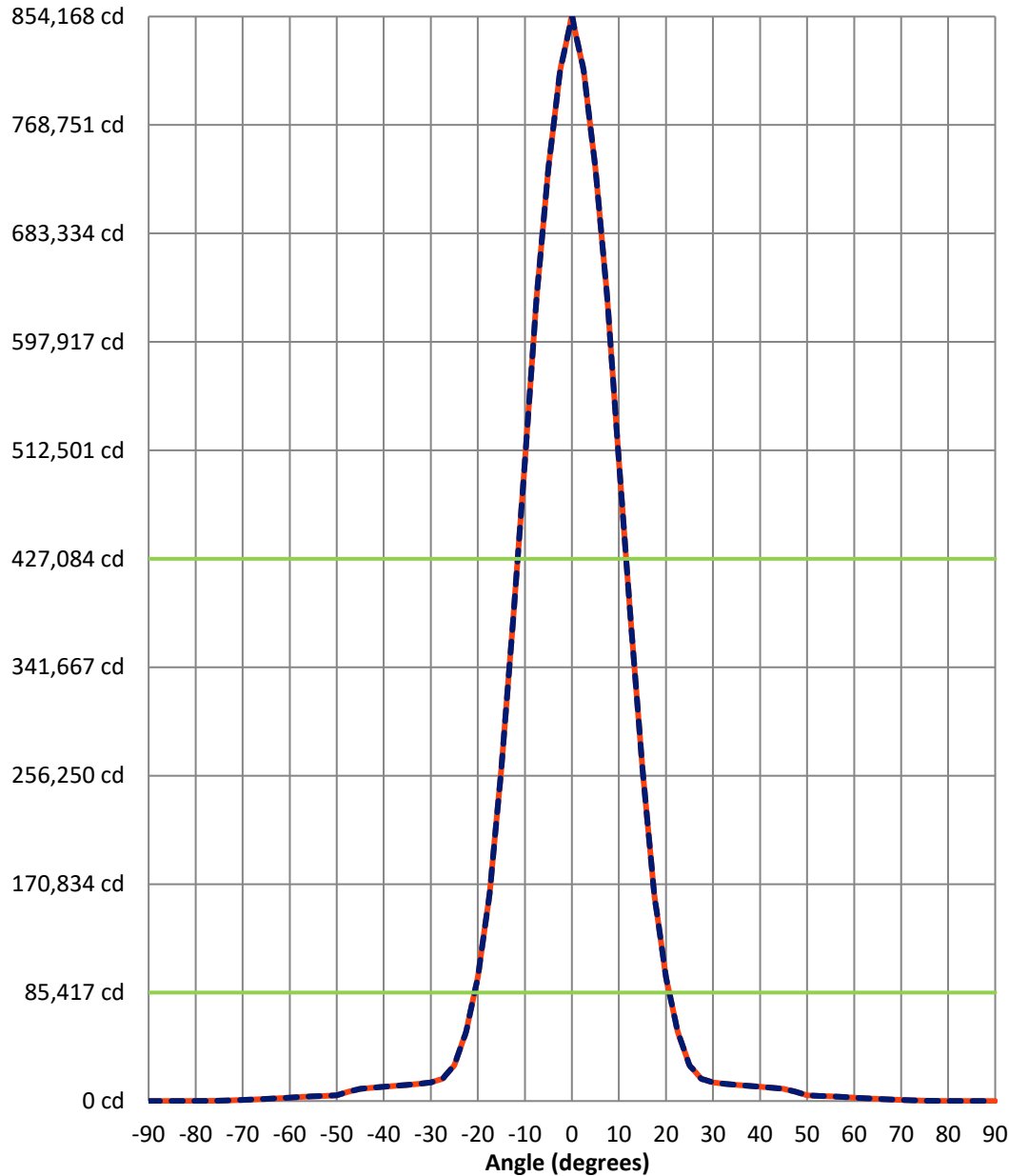
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 23.1°  
V Angle: 23.1°  
Lumens: 77267.5  
Efficiency: 45.1%

**Field:**  
H Angle: 41.4°  
V Angle: 41.4°  
Lumens: 136314.9  
Efficiency: 79.5%

**Spill:**  
Lumens: 35197.7  
Efficiency: 20.5%

— 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	0.8	1.5	2.3	3.0	3.8	4.5	5.2	5.9	6.7	7.4
85°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	11.9	13.3	14.7
82.5°	0.0	2.3	4.5	6.8	9.0	11.3	13.5	15.7	17.7	19.3	20.8
80°	0.0	3.0	6.0	9.0	12.0	15.0	17.8	19.9	22.0	24.1	26.1
77.5°	0.0	3.8	7.5	11.3	15.0	18.3	21.0	23.7	26.3	28.9	31.8
75°	0.0	4.5	9.0	13.5	17.8	21.0	24.3	27.5	30.7	34.7	38.6
72.5°	0.0	5.2	10.5	15.7	19.9	23.7	27.5	31.4	36.2	40.8	45.4
70°	0.0	5.9	11.9	17.7	22.0	26.3	30.7	36.2	41.5	46.9	53.5
67.5°	0.0	6.7	13.3	19.3	24.1	28.9	34.7	40.8	46.9	54.5	62.0
65°	0.0	7.4	14.7	20.8	26.1	31.8	38.6	45.4	53.5	62.0	74.5
62.5°	0.0	8.0	16.1	22.3	28.1	35.1	42.5	50.8	60.1	71.9	96.7
60°	0.0	8.7	17.4	23.8	30.1	38.2	46.3	56.4	66.5	91.6	118.6
57.5°	0.0	9.3	18.3	25.2	32.5	41.3	50.9	61.9	81.4	110.9	165.5
55°	0.0	10.0	19.3	26.6	34.9	44.3	55.5	67.2	98.1	137.0	223.4
52.5°	0.0	10.6	20.2	27.9	37.2	47.3	59.9	80.4	114.4	187.8	279.8
50°	0.0	11.2	21.0	29.2	39.5	50.9	64.2	94.2	138.3	237.0	366.7
47.5°	0.0	11.8	21.9	30.6	41.7	54.4	69.4	107.5	180.6	284.6	454.6
45°	0.0	12.3	22.7	32.2	43.7	57.7	80.4	120.3	221.3	360.1	539.4
42.5°	0.0	12.8	23.5	33.6	45.7	60.9	90.9	145.3	260.4	433.2	637.7
40°	0.0	13.3	24.2	35.1	47.9	64.0	100.9	177.9	305.8	503.2	734.5
37.5°	0.0	13.8	24.9	36.4	50.2	66.8	110.5	208.9	364.8	574.3	826.9
35°	0.0	14.3	25.6	37.7	52.4	72.7	119.5	238.3	420.6	652.7	919.7
32.5°	0.0	14.7	26.2	38.9	54.5	79.8	132.4	265.9	473.3	726.6	1015.0
30°	0.0	15.1	26.8	40.0	56.4	86.3	154.5	295.8	522.6	795.9	1104.4
27.5°	0.0	15.4	27.3	41.1	58.2	92.5	175.0	335.6	572.5	860.3	1187.5
25°	0.0	15.8	27.8	42.0	59.8	98.1	193.8	372.3	624.9	925.6	1264.8
22.5°	0.0	16.1	28.2	42.9	61.3	103.2	211.0	405.7	672.7	988.2	1345.2
20°	0.0	16.4	28.7	43.7	62.7	107.8	226.5	435.9	715.8	1044.6	1417.9
17.5°	0.0	16.6	29.0	44.4	63.9	111.9	240.2	462.7	754.1	1094.7	1482.5
15°	0.0	16.8	29.3	45.0	64.9	115.5	252.2	486.0	787.5	1138.5	1538.9
12.5°	0.0	17.0	29.6	45.5	65.8	118.6	262.4	505.9	815.9	1175.7	1586.9
10°	0.0	17.1	29.8	45.9	66.5	121.0	270.8	522.2	839.3	1206.4	1626.4
7.5°	0.0	17.3	30.0	46.3	67.1	123.0	277.3	534.9	857.5	1230.3	1657.3
5°	0.0	17.3	30.1	46.5	67.5	124.4	282.0	544.0	870.5	1247.4	1679.4
2.5°	0.0	17.4	30.2	46.7	67.7	125.2	284.8	549.5	878.4	1257.7	1692.7
0°	0.0	17.4	30.2	46.7	67.8	125.5	285.7	551.3	881.0	1261.1	1697.1
-2.5°	0.0	17.4	30.2	46.7	67.7	125.2	284.8	549.5	878.4	1257.7	1692.7
-5°	0.0	17.3	30.1	46.5	67.5	124.4	282.0	544.0	870.5	1247.4	1679.4
-7.5°	0.0	17.3	30.0	46.3	67.1	123.0	277.3	534.9	857.5	1230.3	1657.3
-10°	0.0	17.1	29.8	45.9	66.5	121.0	270.8	522.2	839.3	1206.4	1626.4
-12.5°	0.0	17.0	29.6	45.5	65.8	118.6	262.4	505.9	815.9	1175.7	1586.9
-15°	0.0	16.8	29.3	45.0	64.9	115.5	252.2	486.0	787.5	1138.5	1538.9
-17.5°	0.0	16.6	29.0	44.4	63.9	111.9	240.2	462.7	754.1	1094.7	1482.5
-20°	0.0	16.4	28.7	43.7	62.7	107.8	226.5	435.9	715.8	1044.6	1417.9



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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	16.1	28.2	42.9	61.3	103.2	211.0	405.7	672.7	988.2	1345.2
-25°	0.0	15.8	27.8	42.0	59.8	98.1	193.8	372.3	624.9	925.6	1264.8
-27.5°	0.0	15.4	27.3	41.1	58.2	92.5	175.0	335.6	572.5	860.3	1187.5
-30°	0.0	15.1	26.8	40.0	56.4	86.3	154.5	295.8	522.6	795.9	1104.4
-32.5°	0.0	14.7	26.2	38.9	54.5	79.8	132.4	265.9	473.3	726.6	1015.0
-35°	0.0	14.3	25.6	37.7	52.4	72.7	119.5	238.3	420.6	652.7	919.7
-37.5°	0.0	13.8	24.9	36.4	50.2	66.8	110.5	208.9	364.8	574.3	826.9
-40°	0.0	13.3	24.2	35.1	47.9	64.0	100.9	177.9	305.8	503.2	734.5
-42.5°	0.0	12.8	23.5	33.6	45.7	60.9	90.9	145.3	260.4	433.2	637.7
-45°	0.0	12.3	22.7	32.2	43.7	57.7	80.4	120.3	221.3	360.1	539.4
-47.5°	0.0	11.8	21.9	30.6	41.7	54.4	69.4	107.5	180.6	284.6	454.6
-50°	0.0	11.2	21.0	29.2	39.5	50.9	64.2	94.2	138.3	237.0	366.7
-52.5°	0.0	10.6	20.2	27.9	37.2	47.3	59.9	80.4	114.4	187.8	279.8
-55°	0.0	10.0	19.3	26.6	34.9	44.3	55.5	67.2	98.1	137.0	223.4
-57.5°	0.0	9.3	18.3	25.2	32.5	41.3	50.9	61.9	81.4	110.9	165.5
-60°	0.0	8.7	17.4	23.8	30.1	38.2	46.3	56.4	66.5	91.6	118.6
-62.5°	0.0	8.0	16.1	22.3	28.1	35.1	42.5	50.8	60.1	71.9	96.7
-65°	0.0	7.4	14.7	20.8	26.1	31.8	38.6	45.4	53.5	62.0	74.5
-67.5°	0.0	6.7	13.3	19.3	24.1	28.9	34.7	40.8	46.9	54.5	62.0
-70°	0.0	5.9	11.9	17.7	22.0	26.3	30.7	36.2	41.5	46.9	53.5
-72.5°	0.0	5.2	10.5	15.7	19.9	23.7	27.5	31.4	36.2	40.8	45.4
-75°	0.0	4.5	9.0	13.5	17.8	21.0	24.3	27.5	30.7	34.7	38.6
-77.5°	0.0	3.8	7.5	11.3	15.0	18.3	21.0	23.7	26.3	28.9	31.8
-80°	0.0	3.0	6.0	9.0	12.0	15.0	17.8	19.9	22.0	24.1	26.1
-82.5°	0.0	2.3	4.5	6.8	9.0	11.3	13.5	15.7	17.7	19.3	20.8
-85°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	11.9	13.3	14.7
-87.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.2	5.9	6.7	7.4
-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°	8.0	8.7	9.3	10.0	10.6	11.2	11.8	12.3	12.8	13.3	13.8
85°	16.1	17.4	18.3	19.3	20.2	21.0	21.9	22.7	23.5	24.2	24.9
82.5°	22.3	23.8	25.2	26.6	27.9	29.2	30.6	32.2	33.6	35.1	36.4
80°	28.1	30.1	32.5	34.9	37.2	39.5	41.7	43.7	45.7	47.9	50.2
77.5°	35.1	38.2	41.3	44.3	47.3	50.9	54.4	57.7	60.9	64.0	66.8
75°	42.5	46.3	50.9	55.5	59.9	64.2	69.4	80.4	90.9	100.9	110.5
72.5°	50.8	56.4	61.9	67.2	80.4	94.2	107.5	120.3	145.3	177.9	208.9
70°	60.1	66.5	81.4	98.1	114.4	138.3	180.6	221.3	260.4	305.8	364.8
67.5°	71.9	91.6	110.9	137.0	187.8	237.0	284.6	360.1	433.2	503.2	574.3
65°	96.7	118.6	165.5	223.4	279.8	366.7	454.6	539.4	637.7	734.5	826.9
62.5°	121.1	179.9	245.0	323.7	426.5	526.4	640.6	756.6	868.3	989.7	1107.5
60°	179.9	252.2	347.7	462.7	580.4	715.8	847.1	988.2	1129.1	1264.8	1412.9
57.5°	245.0	347.7	474.8	610.6	761.3	912.1	1076.3	1235.1	1407.1	1575.9	1740.3
55°	323.7	462.7	610.6	776.5	947.4	1129.5	1313.3	1510.0	1700.3	1896.4	2084.2
52.5°	426.5	580.4	761.3	947.4	1147.4	1354.5	1572.4	1790.1	2009.4	2226.7	2451.5
50°	526.4	715.8	912.1	1129.5	1354.5	1593.2	1835.3	2077.8	2328.8	2580.2	2833.2
47.5°	640.6	847.1	1076.3	1313.3	1572.4	1835.3	2100.7	2380.2	2658.2	2947.2	3227.4
45°	756.6	988.2	1235.1	1510.0	1790.1	2077.8	2380.2	2684.3	3004.7	3305.7	3564.7
42.5°	868.3	1129.1	1407.1	1700.3	2009.4	2328.8	2658.2	3004.7	3331.1	3616.1	3827.4
40°	989.7	1264.8	1575.9	1896.4	2226.7	2580.2	2947.2	3305.7	3616.1	3842.9	4014.9
37.5°	1107.5	1412.9	1740.3	2084.2	2451.5	2833.2	3227.4	3564.7	3827.4	4014.9	4336.2
35°	1219.3	1553.8	1905.3	2273.9	2666.0	3083.6	3462.6	3781.3	3983.4	4307.1	5150.5
32.5°	1334.2	1686.9	2061.4	2462.2	2885.3	3311.7	3684.0	3920.9	4220.4	4823.9	6824.3
30°	1447.9	1820.4	2212.9	2639.4	3093.6	3506.5	3828.7	4077.6	4476.2	6324.8	8193.9
27.5°	1553.8	1945.6	2365.0	2815.4	3283.2	3689.1	3944.7	4302.6	5503.9	7666.7	9371.2
25°	1651.6	2061.4	2505.8	2982.0	3440.0	3808.3	4076.4	4512.6	6744.5	8700.3	9948.8
22.5°	1744.3	2167.6	2634.9	3134.9	3584.1	3900.4	4256.1	5444.1	7782.2	9631.9	10347.4
20°	1831.0	2273.9	2757.4	3270.0	3714.8	3984.0	4419.8	6416.6	8597.5	9972.1	10693.0
17.5°	1908.2	2368.7	2870.4	3377.1	3792.3	4087.6	4673.7	7290.0	9331.2	10279.0	10995.8
15°	1975.6	2451.5	2969.2	3471.0	3852.6	4206.3	5382.6	7911.3	9755.4	10543.6	11263.8
12.5°	2033.1	2522.1	3053.6	3551.1	3904.2	4307.8	5990.0	8423.8	9970.8	10757.2	11480.8
10°	2080.4	2580.2	3123.0	3617.1	3946.8	4391.7	6492.2	8848.3	10149.4	10934.7	11661.5
7.5°	2117.3	2625.6	3177.4	3668.8	3980.1	4457.4	6886.2	9181.6	10289.9	11074.5	11804.1
5°	2143.8	2658.2	3216.3	3705.9	4004.1	4504.6	7169.5	9421.5	10391.1	11175.3	11907.1
2.5°	2159.7	2677.8	3239.8	3728.2	4018.5	4533.1	7340.3	9566.2	10452.2	11236.2	11969.4
0°	2165.0	2684.3	3247.6	3735.7	4023.3	4542.6	7397.3	9614.5	10472.6	11256.6	11990.2
-2.5°	2159.7	2677.8	3239.8	3728.2	4018.5	4533.1	7340.3	9566.2	10452.2	11236.2	11969.4
-5°	2143.8	2658.2	3216.3	3705.9	4004.1	4504.6	7169.5	9421.5	10391.1	11175.3	11907.1
-7.5°	2117.3	2625.6	3177.4	3668.8	3980.1	4457.4	6886.2	9181.6	10289.9	11074.5	11804.1
-10°	2080.4	2580.2	3123.0	3617.1	3946.8	4391.7	6492.2	8848.3	10149.4	10934.7	11661.5
-12.5°	2033.1	2522.1	3053.6	3551.1	3904.2	4307.8	5990.0	8423.8	9970.8	10757.2	11480.8
-15°	1975.6	2451.5	2969.2	3471.0	3852.6	4206.3	5382.6	7911.3	9755.4	10543.6	11263.8
-17.5°	1908.2	2368.7	2870.4	3377.1	3792.3	4087.6	4673.7	7290.0	9331.2	10279.0	10995.8
-20°	1831.0	2273.9	2757.4	3270.0	3714.8	3984.0	4419.8	6416.6	8597.5	9972.1	10693.0



REPORT NUMBER: P1306438 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2S-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1744.3	2167.6	2634.9	3134.9	3584.1	3900.4	4256.1	5444.1	7782.2	9631.9	10347.4
-25°	1651.6	2061.4	2505.8	2982.0	3440.0	3808.3	4076.4	4512.6	6744.5	8700.3	9948.8
-27.5°	1553.8	1945.6	2365.0	2815.4	3283.2	3689.1	3944.7	4302.6	5503.9	7666.7	9371.2
-30°	1447.9	1820.4	2212.9	2639.4	3093.6	3506.5	3828.7	4077.6	4476.2	6324.8	8193.9
-32.5°	1334.2	1686.9	2061.4	2462.2	2885.3	3311.7	3684.0	3920.9	4220.4	4823.9	6824.3
-35°	1219.3	1553.8	1905.3	2273.9	2666.0	3083.6	3462.6	3781.3	3983.4	4307.1	5150.5
-37.5°	1107.5	1412.9	1740.3	2084.2	2451.5	2833.2	3227.4	3564.7	3827.4	4014.9	4336.2
-40°	989.7	1264.8	1575.9	1896.4	2226.7	2580.2	2947.2	3305.7	3616.1	3842.9	4014.9
-42.5°	868.3	1129.1	1407.1	1700.3	2009.4	2328.8	2658.2	3004.7	3331.1	3616.1	3827.4
-45°	756.6	988.2	1235.1	1510.0	1790.1	2077.8	2380.2	2684.3	3004.7	3305.7	3564.7
-47.5°	640.6	847.1	1076.3	1313.3	1572.4	1835.3	2100.7	2380.2	2658.2	2947.2	3227.4
-50°	526.4	715.8	912.1	1129.5	1354.5	1593.2	1835.3	2077.8	2328.8	2580.2	2833.2
-52.5°	426.5	580.4	761.3	947.4	1147.4	1354.5	1572.4	1790.1	2009.4	2226.7	2451.5
-55°	323.7	462.7	610.6	776.5	947.4	1129.5	1313.3	1510.0	1700.3	1896.4	2084.2
-57.5°	245.0	347.7	474.8	610.6	761.3	912.1	1076.3	1235.1	1407.1	1575.9	1740.3
-60°	179.9	252.2	347.7	462.7	580.4	715.8	847.1	988.2	1129.1	1264.8	1412.9
-62.5°	121.1	179.9	245.0	323.7	426.5	526.4	640.6	756.6	868.3	989.7	1107.5
-65°	96.7	118.6	165.5	223.4	279.8	366.7	454.6	539.4	637.7	734.5	826.9
-67.5°	71.9	91.6	110.9	137.0	187.8	237.0	284.6	360.1	433.2	503.2	574.3
-70°	60.1	66.5	81.4	98.1	114.4	138.3	180.6	221.3	260.4	305.8	364.8
-72.5°	50.8	56.4	61.9	67.2	80.4	94.2	107.5	120.3	145.3	177.9	208.9
-75°	42.5	46.3	50.9	55.5	59.9	64.2	69.4	80.4	90.9	100.9	110.5
-77.5°	35.1	38.2	41.3	44.3	47.3	50.9	54.4	57.7	60.9	64.0	66.8
-80°	28.1	30.1	32.5	34.9	37.2	39.5	41.7	43.7	45.7	47.9	50.2
-82.5°	22.3	23.8	25.2	26.6	27.9	29.2	30.6	32.2	33.6	35.1	36.4
-85°	16.1	17.4	18.3	19.3	20.2	21.0	21.9	22.7	23.5	24.2	24.9
-87.5°	8.0	8.7	9.3	10.0	10.6	11.2	11.8	12.3	12.8	13.3	13.8
-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: P1306438 (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°	14.3	14.7	15.1	15.4	15.8	16.1	16.4	16.6	16.8	17.0	17.1
85°	25.6	26.2	26.8	27.3	27.8	28.2	28.7	29.0	29.3	29.6	29.8
82.5°	37.7	38.9	40.0	41.1	42.0	42.9	43.7	44.4	45.0	45.5	45.9
80°	52.4	54.5	56.4	58.2	59.8	61.3	62.7	63.9	64.9	65.8	66.5
77.5°	72.7	79.8	86.3	92.5	98.1	103.2	107.8	111.9	115.5	118.6	121.0
75°	119.5	132.4	154.5	175.0	193.8	211.0	226.5	240.2	252.2	262.4	270.8
72.5°	238.3	265.9	295.8	335.6	372.3	405.7	435.9	462.7	486.0	505.9	522.2
70°	420.6	473.3	522.6	572.5	624.9	672.7	715.8	754.1	787.5	815.9	839.3
67.5°	652.7	726.6	795.9	860.3	925.6	988.2	1044.6	1094.7	1138.5	1175.7	1206.4
65°	919.7	1015.0	1104.4	1187.5	1264.8	1345.2	1417.9	1482.5	1538.9	1586.9	1626.4
62.5°	1219.3	1334.2	1447.9	1553.8	1651.6	1744.3	1831.0	1908.2	1975.6	2033.1	2080.4
60°	1553.8	1686.9	1820.4	1945.6	2061.4	2167.6	2273.9	2368.7	2451.5	2522.1	2580.2
57.5°	1905.3	2061.4	2212.9	2365.0	2505.8	2634.9	2757.4	2870.4	2969.2	3053.6	3123.0
55°	2273.9	2462.2	2639.4	2815.4	2982.0	3134.9	3270.0	3377.1	3471.0	3551.1	3617.1
52.5°	2666.0	2885.3	3093.6	3283.2	3440.0	3584.1	3714.8	3792.3	3852.6	3904.2	3946.8
50°	3083.6	3311.7	3506.5	3689.1	3808.3	3900.4	3984.0	4087.6	4206.3	4307.8	4391.7
47.5°	3462.6	3684.0	3828.7	3944.7	4076.4	4256.1	4419.8	4673.7	5382.6	5990.0	6492.2
45°	3781.3	3920.9	4077.6	4302.6	4512.6	5444.1	6416.6	7290.0	7911.3	8423.8	8848.3
42.5°	3983.4	4220.4	4476.2	5503.9	6744.5	7782.2	8597.5	9331.2	9755.4	9970.8	10149.4
40°	4307.1	4823.9	6324.8	7666.7	8700.3	9631.9	9972.1	10279.0	10543.6	10757.2	10934.7
37.5°	5150.5	6824.3	8193.9	9371.2	9948.8	10347.4	10693.0	10995.8	11263.8	11480.8	11661.5
35°	6992.0	8460.4	9678.6	10164.3	10609.5	11000.3	11353.9	11659.8	11932.0	12167.0	12363.0
32.5°	8460.4	9731.7	10273.5	10762.9	11209.9	11604.8	11967.4	12296.6	12590.4	12867.0	13117.3
30°	9678.6	10273.5	10814.5	11312.4	11758.4	12177.3	12565.7	12955.1	13328.0	13673.9	14020.3
27.5°	10164.3	10762.9	11312.4	11810.1	12283.9	12732.6	13221.2	13695.3	14207.6	14657.0	15673.6
25°	10609.5	11209.9	11758.4	12283.9	12797.8	13356.8	13962.5	14576.6	15933.5	17253.5	20524.7
22.5°	11000.3	11604.8	12177.3	12732.6	13356.8	14052.9	14945.0	16727.3	20449.0	25745.9	33314.7
20°	11353.9	11967.4	12565.7	13221.2	13962.5	14945.0	16996.6	22523.0	30175.9	44561.9	58540.0
17.5°	11659.8	12296.6	12955.1	13695.3	14576.6	16727.3	22523.0	32925.6	50392.9	73664.5	96314.6
15°	11932.0	12590.4	13328.0	14207.6	15933.5	20449.0	30175.9	50392.9	78852.2	112519.1	151061.7
12.5°	12167.0	12867.0	13673.9	14657.0	17253.5	25745.9	44561.9	73664.5	112519.1	160422.9	224174.5
10°	12363.0	13117.3	14020.3	15673.6	20524.7	33314.7	58540.0	96314.6	151061.7	224174.5	300833.3
7.5°	12518.1	13315.8	14295.9	16488.9	23824.9	42383.1	75138.9	124065.0	193584.1	281711.8	379979.0
5°	12630.3	13459.8	14496.4	17083.8	26244.0	49068.5	87470.9	145424.9	230683.6	332074.4	445703.5
2.5°	12698.3	13547.1	14618.2	17446.0	27721.7	53170.0	95080.5	158713.5	254042.4	366584.7	488448.7
0°	12721.0	13576.4	14659.0	17567.7	28218.9	54553.0	97654.4	163228.6	262033.3	378826.4	503459.2
-2.5°	12698.3	13547.1	14618.2	17446.0	27721.7	53170.0	95080.5	158713.5	254042.4	366584.7	488448.7
-5°	12630.3	13459.8	14496.4	17083.8	26244.0	49068.5	87470.9	145424.9	230683.6	332074.4	445703.5
-7.5°	12518.1	13315.8	14295.9	16488.9	23824.9	42383.1	75138.9	124065.0	193584.1	281711.8	379979.0
-10°	12363.0	13117.3	14020.3	15673.6	20524.7	33314.7	58540.0	96314.6	151061.7	224174.5	300833.3
-12.5°	12167.0	12867.0	13673.9	14657.0	17253.5	25745.9	44561.9	73664.5	112519.1	160422.9	224174.5
-15°	11932.0	12590.4	13328.0	14207.6	15933.5	20449.0	30175.9	50392.9	78852.2	112519.1	151061.7
-17.5°	11659.8	12296.6	12955.1	13695.3	14576.6	16727.3	22523.0	32925.6	50392.9	73664.5	96314.6
-20°	11353.9	11967.4	12565.7	13221.2	13962.5	14945.0	16996.6	22523.0	30175.9	44561.9	58540.0



REPORT NUMBER: P1306438 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2S-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11000.3	11604.8	12177.3	12732.6	13356.8	14052.9	14945.0	16727.3	20449.0	25745.9	33314.7
-25°	10609.5	11209.9	11758.4	12283.9	12797.8	13356.8	13962.5	14576.6	15933.5	17253.5	20524.7
-27.5°	10164.3	10762.9	11312.4	11810.1	12283.9	12732.6	13221.2	13695.3	14207.6	14657.0	15673.6
-30°	9678.6	10273.5	10814.5	11312.4	11758.4	12177.3	12565.7	12955.1	13328.0	13673.9	14020.3
-32.5°	8460.4	9731.7	10273.5	10762.9	11209.9	11604.8	11967.4	12296.6	12590.4	12867.0	13117.3
-35°	6992.0	8460.4	9678.6	10164.3	10609.5	11000.3	11353.9	11659.8	11932.0	12167.0	12363.0
-37.5°	5150.5	6824.3	8193.9	9371.2	9948.8	10347.4	10693.0	10995.8	11263.8	11480.8	11661.5
-40°	4307.1	4823.9	6324.8	7666.7	8700.3	9631.9	9972.1	10279.0	10543.6	10757.2	10934.7
-42.5°	3983.4	4220.4	4476.2	5503.9	6744.5	7782.2	8597.5	9331.2	9755.4	9970.8	10149.4
-45°	3781.3	3920.9	4077.6	4302.6	4512.6	5444.1	6416.6	7290.0	7911.3	8423.8	8848.3
-47.5°	3462.6	3684.0	3828.7	3944.7	4076.4	4256.1	4419.8	4673.7	5382.6	5990.0	6492.2
-50°	3083.6	3311.7	3506.5	3689.1	3808.3	3900.4	3984.0	4087.6	4206.3	4307.8	4391.7
-52.5°	2666.0	2885.3	3093.6	3283.2	3440.0	3584.1	3714.8	3792.3	3852.6	3904.2	3946.8
-55°	2273.9	2462.2	2639.4	2815.4	2982.0	3134.9	3270.0	3377.1	3471.0	3551.1	3617.1
-57.5°	1905.3	2061.4	2212.9	2365.0	2505.8	2634.9	2757.4	2870.4	2969.2	3053.6	3123.0
-60°	1553.8	1686.9	1820.4	1945.6	2061.4	2167.6	2273.9	2368.7	2451.5	2522.1	2580.2
-62.5°	1219.3	1334.2	1447.9	1553.8	1651.6	1744.3	1831.0	1908.2	1975.6	2033.1	2080.4
-65°	919.7	1015.0	1104.4	1187.5	1264.8	1345.2	1417.9	1482.5	1538.9	1586.9	1626.4
-67.5°	652.7	726.6	795.9	860.3	925.6	988.2	1044.6	1094.7	1138.5	1175.7	1206.4
-70°	420.6	473.3	522.6	572.5	624.9	672.7	715.8	754.1	787.5	815.9	839.3
-72.5°	238.3	265.9	295.8	335.6	372.3	405.7	435.9	462.7	486.0	505.9	522.2
-75°	119.5	132.4	154.5	175.0	193.8	211.0	226.5	240.2	252.2	262.4	270.8
-77.5°	72.7	79.8	86.3	92.5	98.1	103.2	107.8	111.9	115.5	118.6	121.0
-80°	52.4	54.5	56.4	58.2	59.8	61.3	62.7	63.9	64.9	65.8	66.5
-82.5°	37.7	38.9	40.0	41.1	42.0	42.9	43.7	44.4	45.0	45.5	45.9
-85°	25.6	26.2	26.8	27.3	27.8	28.2	28.7	29.0	29.3	29.6	29.8
-87.5°	14.3	14.7	15.1	15.4	15.8	16.1	16.4	16.6	16.8	17.0	17.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306438 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2S-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°	17.3	17.3	17.4	17.4	17.4	17.3	17.3	17.1	17.0	16.8	16.6
85°	30.0	30.1	30.2	30.2	30.2	30.1	30.0	29.8	29.6	29.3	29.0
82.5°	46.3	46.5	46.7	46.7	46.7	46.5	46.3	45.9	45.5	45.0	44.4
80°	67.1	67.5	67.7	67.8	67.7	67.5	67.1	66.5	65.8	64.9	63.9
77.5°	123.0	124.4	125.2	125.5	125.2	124.4	123.0	121.0	118.6	115.5	111.9
75°	277.3	282.0	284.8	285.7	284.8	282.0	277.3	270.8	262.4	252.2	240.2
72.5°	534.9	544.0	549.5	551.3	549.5	544.0	534.9	522.2	505.9	486.0	462.7
70°	857.5	870.5	878.4	881.0	878.4	870.5	857.5	839.3	815.9	787.5	754.1
67.5°	1230.3	1247.4	1257.7	1261.1	1257.7	1247.4	1230.3	1206.4	1175.7	1138.5	1094.7
65°	1657.3	1679.4	1692.7	1697.1	1692.7	1679.4	1657.3	1626.4	1586.9	1538.9	1482.5
62.5°	2117.3	2143.8	2159.7	2165.0	2159.7	2143.8	2117.3	2080.4	2033.1	1975.6	1908.2
60°	2625.6	2658.2	2677.8	2684.3	2677.8	2658.2	2625.6	2580.2	2522.1	2451.5	2368.7
57.5°	3177.4	3216.3	3239.8	3247.6	3239.8	3216.3	3177.4	3123.0	3053.6	2969.2	2870.4
55°	3668.8	3705.9	3728.2	3735.7	3728.2	3705.9	3668.8	3617.1	3551.1	3471.0	3377.1
52.5°	3980.1	4004.1	4018.5	4023.3	4018.5	4004.1	3980.1	3946.8	3904.2	3852.6	3792.3
50°	4457.4	4504.6	4533.1	4542.6	4533.1	4504.6	4457.4	4391.7	4307.8	4206.3	4087.6
47.5°	6886.2	7169.5	7340.3	7397.3	7340.3	7169.5	6886.2	6492.2	5990.0	5382.6	4673.7
45°	9181.6	9421.5	9566.2	9614.5	9566.2	9421.5	9181.6	8848.3	8423.8	7911.3	7290.0
42.5°	10289.9	10391.1	10452.2	10472.6	10452.2	10391.1	10289.9	10149.4	9970.8	9755.4	9331.2
40°	11074.5	11175.3	11236.2	11256.6	11236.2	11175.3	11074.5	10934.7	10757.2	10543.6	10279.0
37.5°	11804.1	11907.1	11969.4	11990.2	11969.4	11907.1	11804.1	11661.5	11480.8	11263.8	10995.8
35°	12518.1	12630.3	12698.3	12721.0	12698.3	12630.3	12518.1	12363.0	12167.0	11932.0	11659.8
32.5°	13315.8	13459.8	13547.1	13576.4	13547.1	13459.8	13315.8	13117.3	12867.0	12590.4	12296.6
30°	14295.9	14496.4	14618.2	14659.0	14618.2	14496.4	14295.9	14020.3	13673.9	13328.0	12955.1
27.5°	16488.9	17083.8	17446.0	17567.7	17446.0	17083.8	16488.9	15673.6	14657.0	14207.6	13695.3
25°	23824.9	26244.0	27721.7	28218.9	27721.7	26244.0	23824.9	20524.7	17253.5	15933.5	14576.6
22.5°	42383.1	49068.5	53170.0	54553.0	53170.0	49068.5	42383.1	33314.7	25745.9	20449.0	16727.3
20°	75138.9	87470.9	95080.5	97654.4	95080.5	87470.9	75138.9	58540.0	44561.9	30175.9	22523.0
17.5°	124065.0	145424.9	158713.5	163228.6	158713.5	145424.9	124065.0	96314.6	73664.5	50392.9	32925.6
15°	193584.1	230683.6	254042.4	262033.3	254042.4	230683.6	193584.1	151061.7	112519.1	78852.2	50392.9
12.5°	281711.8	332074.4	366584.7	378826.4	366584.7	332074.4	281711.8	224174.5	160422.9	112519.1	73664.5
10°	379979.0	445703.5	488448.7	503459.2	488448.7	445703.5	379979.0	300833.3	224174.5	151061.7	96314.6
7.5°	474322.3	555368.4	613393.7	633158.4	613393.7	555368.4	474322.3	379979.0	281711.8	193584.1	124065.0
5°	555368.4	654392.3	713767.7	734580.9	713767.7	654392.3	555368.4	445703.5	332074.4	230683.6	145424.9
2.5°	613393.7	713767.7	780984.9	811635.7	780984.9	713767.7	613393.7	488448.7	366584.7	254042.4	158713.5
0°	633158.4	734580.9	811635.7	854167.8	811635.7	734580.9	633158.4	503459.2	378826.4	262033.3	163228.6
-2.5°	613393.7	713767.7	780984.9	811635.7	780984.9	713767.7	613393.7	488448.7	366584.7	254042.4	158713.5
-5°	555368.4	654392.3	713767.7	734580.9	713767.7	654392.3	555368.4	445703.5	332074.4	230683.6	145424.9
-7.5°	474322.3	555368.4	613393.7	633158.4	613393.7	555368.4	474322.3	379979.0	281711.8	193584.1	124065.0
-10°	379979.0	445703.5	488448.7	503459.2	488448.7	445703.5	379979.0	300833.3	224174.5	151061.7	96314.6
-12.5°	281711.8	332074.4	366584.7	378826.4	366584.7	332074.4	281711.8	224174.5	160422.9	112519.1	73664.5
-15°	193584.1	230683.6	254042.4	262033.3	254042.4	230683.6	193584.1	151061.7	112519.1	78852.2	50392.9
-17.5°	124065.0	145424.9	158713.5	163228.6	158713.5	145424.9	124065.0	96314.6	73664.5	50392.9	32925.6
-20°	75138.9	87470.9	95080.5	97654.4	95080.5	87470.9	75138.9	58540.0	44561.9	30175.9	22523.0



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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°	42383.1	49068.5	53170.0	54553.0	53170.0	49068.5	42383.1	33314.7	25745.9	20449.0	16727.3
-25°	23824.9	26244.0	27721.7	28218.9	27721.7	26244.0	23824.9	20524.7	17253.5	15933.5	14576.6
-27.5°	16488.9	17083.8	17446.0	17567.7	17446.0	17083.8	16488.9	15673.6	14657.0	14207.6	13695.3
-30°	14295.9	14496.4	14618.2	14659.0	14618.2	14496.4	14295.9	14020.3	13673.9	13328.0	12955.1
-32.5°	13315.8	13459.8	13547.1	13576.4	13547.1	13459.8	13315.8	13117.3	12867.0	12590.4	12296.6
-35°	12518.1	12630.3	12698.3	12721.0	12698.3	12630.3	12518.1	12363.0	12167.0	11932.0	11659.8
-37.5°	11804.1	11907.1	11969.4	11990.2	11969.4	11907.1	11804.1	11661.5	11480.8	11263.8	10995.8
-40°	11074.5	11175.3	11236.2	11256.6	11236.2	11175.3	11074.5	10934.7	10757.2	10543.6	10279.0
-42.5°	10289.9	10391.1	10452.2	10472.6	10452.2	10391.1	10289.9	10149.4	9970.8	9755.4	9331.2
-45°	9181.6	9421.5	9566.2	9614.5	9566.2	9421.5	9181.6	8848.3	8423.8	7911.3	7290.0
-47.5°	6886.2	7169.5	7340.3	7397.3	7340.3	7169.5	6886.2	6492.2	5990.0	5382.6	4673.7
-50°	4457.4	4504.6	4533.1	4542.6	4533.1	4504.6	4457.4	4391.7	4307.8	4206.3	4087.6
-52.5°	3980.1	4004.1	4018.5	4023.3	4018.5	4004.1	3980.1	3946.8	3904.2	3852.6	3792.3
-55°	3668.8	3705.9	3728.2	3735.7	3728.2	3705.9	3668.8	3617.1	3551.1	3471.0	3377.1
-57.5°	3177.4	3216.3	3239.8	3247.6	3239.8	3216.3	3177.4	3123.0	3053.6	2969.2	2870.4
-60°	2625.6	2658.2	2677.8	2684.3	2677.8	2658.2	2625.6	2580.2	2522.1	2451.5	2368.7
-62.5°	2117.3	2143.8	2159.7	2165.0	2159.7	2143.8	2117.3	2080.4	2033.1	1975.6	1908.2
-65°	1657.3	1679.4	1692.7	1697.1	1692.7	1679.4	1657.3	1626.4	1586.9	1538.9	1482.5
-67.5°	1230.3	1247.4	1257.7	1261.1	1257.7	1247.4	1230.3	1206.4	1175.7	1138.5	1094.7
-70°	857.5	870.5	878.4	881.0	878.4	870.5	857.5	839.3	815.9	787.5	754.1
-72.5°	534.9	544.0	549.5	551.3	549.5	544.0	534.9	522.2	505.9	486.0	462.7
-75°	277.3	282.0	284.8	285.7	284.8	282.0	277.3	270.8	262.4	252.2	240.2
-77.5°	123.0	124.4	125.2	125.5	125.2	124.4	123.0	121.0	118.6	115.5	111.9
-80°	67.1	67.5	67.7	67.8	67.7	67.5	67.1	66.5	65.8	64.9	63.9
-82.5°	46.3	46.5	46.7	46.7	46.7	46.5	46.3	45.9	45.5	45.0	44.4
-85°	30.0	30.1	30.2	30.2	30.2	30.1	30.0	29.8	29.6	29.3	29.0
-87.5°	17.3	17.3	17.4	17.4	17.4	17.3	17.3	17.1	17.0	16.8	16.6
-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°	16.4	16.1	15.8	15.4	15.1	14.7	14.3	13.8	13.3	12.8	12.3
85°	28.7	28.2	27.8	27.3	26.8	26.2	25.6	24.9	24.2	23.5	22.7
82.5°	43.7	42.9	42.0	41.1	40.0	38.9	37.7	36.4	35.1	33.6	32.2
80°	62.7	61.3	59.8	58.2	56.4	54.5	52.4	50.2	47.9	45.7	43.7
77.5°	107.8	103.2	98.1	92.5	86.3	79.8	72.7	66.8	64.0	60.9	57.7
75°	226.5	211.0	193.8	175.0	154.5	132.4	119.5	110.5	100.9	90.9	80.4
72.5°	435.9	405.7	372.3	335.6	295.8	265.9	238.3	208.9	177.9	145.3	120.3
70°	715.8	672.7	624.9	572.5	522.6	473.3	420.6	364.8	305.8	260.4	221.3
67.5°	1044.6	988.2	925.6	860.3	795.9	726.6	652.7	574.3	503.2	433.2	360.1
65°	1417.9	1345.2	1264.8	1187.5	1104.4	1015.0	919.7	826.9	734.5	637.7	539.4
62.5°	1831.0	1744.3	1651.6	1553.8	1447.9	1334.2	1219.3	1107.5	989.7	868.3	756.6
60°	2273.9	2167.6	2061.4	1945.6	1820.4	1686.9	1553.8	1412.9	1264.8	1129.1	988.2
57.5°	2757.4	2634.9	2505.8	2365.0	2212.9	2061.4	1905.3	1740.3	1575.9	1407.1	1235.1
55°	3270.0	3134.9	2982.0	2815.4	2639.4	2462.2	2273.9	2084.2	1896.4	1700.3	1510.0
52.5°	3714.8	3584.1	3440.0	3283.2	3093.6	2885.3	2666.0	2451.5	2226.7	2009.4	1790.1
50°	3984.0	3900.4	3808.3	3689.1	3506.5	3311.7	3083.6	2833.2	2580.2	2328.8	2077.8
47.5°	4419.8	4256.1	4076.4	3944.7	3828.7	3684.0	3462.6	3227.4	2947.2	2658.2	2380.2
45°	6416.6	5444.1	4512.6	4302.6	4077.6	3920.9	3781.3	3564.7	3305.7	3004.7	2684.3
42.5°	8597.5	7782.2	6744.5	5503.9	4476.2	4220.4	3983.4	3827.4	3616.1	3331.1	3004.7
40°	9972.1	9631.9	8700.3	7666.7	6324.8	4823.9	4307.1	4014.9	3842.9	3616.1	3305.7
37.5°	10693.0	10347.4	9948.8	9371.2	8193.9	6824.3	5150.5	4336.2	4014.9	3827.4	3564.7
35°	11353.9	11000.3	10609.5	10164.3	9678.6	8460.4	6992.0	5150.5	4307.1	3983.4	3781.3
32.5°	11967.4	11604.8	11209.9	10762.9	10273.5	9731.7	8460.4	6824.3	4823.9	4220.4	3920.9
30°	12565.7	12177.3	11758.4	11312.4	10814.5	10273.5	9678.6	8193.9	6324.8	4476.2	4077.6
27.5°	13221.2	12732.6	12283.9	11810.1	11312.4	10762.9	10164.3	9371.2	7666.7	5503.9	4302.6
25°	13962.5	13356.8	12797.8	12283.9	11758.4	11209.9	10609.5	9948.8	8700.3	6744.5	4512.6
22.5°	14945.0	14052.9	13356.8	12732.6	12177.3	11604.8	11000.3	10347.4	9631.9	7782.2	5444.1
20°	16996.6	14945.0	13962.5	13221.2	12565.7	11967.4	11353.9	10693.0	9972.1	8597.5	6416.6
17.5°	22523.0	16727.3	14576.6	13695.3	12955.1	12296.6	11659.8	10995.8	10279.0	9331.2	7290.0
15°	30175.9	20449.0	15933.5	14207.6	13328.0	12590.4	11932.0	11263.8	10543.6	9755.4	7911.3
12.5°	44561.9	25745.9	17253.5	14657.0	13673.9	12867.0	12167.0	11480.8	10757.2	9970.8	8423.8
10°	58540.0	33314.7	20524.7	15673.6	14020.3	13117.3	12363.0	11661.5	10934.7	10149.4	8848.3
7.5°	75138.9	42383.1	23824.9	16488.9	14295.9	13315.8	12518.1	11804.1	11074.5	10289.9	9181.6
5°	87470.9	49068.5	26244.0	17083.8	14496.4	13459.8	12630.3	11907.1	11175.3	10391.1	9421.5
2.5°	95080.5	53170.0	27721.7	17446.0	14618.2	13547.1	12698.3	11969.4	11236.2	10452.2	9566.2
0°	97654.4	54553.0	28218.9	17567.7	14659.0	13576.4	12721.0	11990.2	11256.6	10472.6	9614.5
-2.5°	95080.5	53170.0	27721.7	17446.0	14618.2	13547.1	12698.3	11969.4	11236.2	10452.2	9566.2
-5°	87470.9	49068.5	26244.0	17083.8	14496.4	13459.8	12630.3	11907.1	11175.3	10391.1	9421.5
-7.5°	75138.9	42383.1	23824.9	16488.9	14295.9	13315.8	12518.1	11804.1	11074.5	10289.9	9181.6
-10°	58540.0	33314.7	20524.7	15673.6	14020.3	13117.3	12363.0	11661.5	10934.7	10149.4	8848.3
-12.5°	44561.9	25745.9	17253.5	14657.0	13673.9	12867.0	12167.0	11480.8	10757.2	9970.8	8423.8
-15°	30175.9	20449.0	15933.5	14207.6	13328.0	12590.4	11932.0	11263.8	10543.6	9755.4	7911.3
-17.5°	22523.0	16727.3	14576.6	13695.3	12955.1	12296.6	11659.8	10995.8	10279.0	9331.2	7290.0
-20°	16996.6	14945.0	13962.5	13221.2	12565.7	11967.4	11353.9	10693.0	9972.1	8597.5	6416.6



REPORT NUMBER: P1306438 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2S-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14945.0	14052.9	13356.8	12732.6	12177.3	11604.8	11000.3	10347.4	9631.9	7782.2	5444.1
-25°	13962.5	13356.8	12797.8	12283.9	11758.4	11209.9	10609.5	9948.8	8700.3	6744.5	4512.6
-27.5°	13221.2	12732.6	12283.9	11810.1	11312.4	10762.9	10164.3	9371.2	7666.7	5503.9	4302.6
-30°	12565.7	12177.3	11758.4	11312.4	10814.5	10273.5	9678.6	8193.9	6324.8	4476.2	4077.6
-32.5°	11967.4	11604.8	11209.9	10762.9	10273.5	9731.7	8460.4	6824.3	4823.9	4220.4	3920.9
-35°	11353.9	11000.3	10609.5	10164.3	9678.6	8460.4	6992.0	5150.5	4307.1	3983.4	3781.3
-37.5°	10693.0	10347.4	9948.8	9371.2	8193.9	6824.3	5150.5	4336.2	4014.9	3827.4	3564.7
-40°	9972.1	9631.9	8700.3	7666.7	6324.8	4823.9	4307.1	4014.9	3842.9	3616.1	3305.7
-42.5°	8597.5	7782.2	6744.5	5503.9	4476.2	4220.4	3983.4	3827.4	3616.1	3331.1	3004.7
-45°	6416.6	5444.1	4512.6	4302.6	4077.6	3920.9	3781.3	3564.7	3305.7	3004.7	2684.3
-47.5°	4419.8	4256.1	4076.4	3944.7	3828.7	3684.0	3462.6	3227.4	2947.2	2658.2	2380.2
-50°	3984.0	3900.4	3808.3	3689.1	3506.5	3311.7	3083.6	2833.2	2580.2	2328.8	2077.8
-52.5°	3714.8	3584.1	3440.0	3283.2	3093.6	2885.3	2666.0	2451.5	2226.7	2009.4	1790.1
-55°	3270.0	3134.9	2982.0	2815.4	2639.4	2462.2	2273.9	2084.2	1896.4	1700.3	1510.0
-57.5°	2757.4	2634.9	2505.8	2365.0	2212.9	2061.4	1905.3	1740.3	1575.9	1407.1	1235.1
-60°	2273.9	2167.6	2061.4	1945.6	1820.4	1686.9	1553.8	1412.9	1264.8	1129.1	988.2
-62.5°	1831.0	1744.3	1651.6	1553.8	1447.9	1334.2	1219.3	1107.5	989.7	868.3	756.6
-65°	1417.9	1345.2	1264.8	1187.5	1104.4	1015.0	919.7	826.9	734.5	637.7	539.4
-67.5°	1044.6	988.2	925.6	860.3	795.9	726.6	652.7	574.3	503.2	433.2	360.1
-70°	715.8	672.7	624.9	572.5	522.6	473.3	420.6	364.8	305.8	260.4	221.3
-72.5°	435.9	405.7	372.3	335.6	295.8	265.9	238.3	208.9	177.9	145.3	120.3
-75°	226.5	211.0	193.8	175.0	154.5	132.4	119.5	110.5	100.9	90.9	80.4
-77.5°	107.8	103.2	98.1	92.5	86.3	79.8	72.7	66.8	64.0	60.9	57.7
-80°	62.7	61.3	59.8	58.2	56.4	54.5	52.4	50.2	47.9	45.7	43.7
-82.5°	43.7	42.9	42.0	41.1	40.0	38.9	37.7	36.4	35.1	33.6	32.2
-85°	28.7	28.2	27.8	27.3	26.8	26.2	25.6	24.9	24.2	23.5	22.7
-87.5°	16.4	16.1	15.8	15.4	15.1	14.7	14.3	13.8	13.3	12.8	12.3
-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: P1306438 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2S-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°	11.8	11.2	10.6	10.0	9.3	8.7	8.0	7.4	6.7	5.9	5.2
85°	21.9	21.0	20.2	19.3	18.3	17.4	16.1	14.7	13.3	11.9	10.5
82.5°	30.6	29.2	27.9	26.6	25.2	23.8	22.3	20.8	19.3	17.7	15.7
80°	41.7	39.5	37.2	34.9	32.5	30.1	28.1	26.1	24.1	22.0	19.9
77.5°	54.4	50.9	47.3	44.3	41.3	38.2	35.1	31.8	28.9	26.3	23.7
75°	69.4	64.2	59.9	55.5	50.9	46.3	42.5	38.6	34.7	30.7	27.5
72.5°	107.5	94.2	80.4	67.2	61.9	56.4	50.8	45.4	40.8	36.2	31.4
70°	180.6	138.3	114.4	98.1	81.4	66.5	60.1	53.5	46.9	41.5	36.2
67.5°	284.6	237.0	187.8	137.0	110.9	91.6	71.9	62.0	54.5	46.9	40.8
65°	454.6	366.7	279.8	223.4	165.5	118.6	96.7	74.5	62.0	53.5	45.4
62.5°	640.6	526.4	426.5	323.7	245.0	179.9	121.1	96.7	71.9	60.1	50.8
60°	847.1	715.8	580.4	462.7	347.7	252.2	179.9	118.6	91.6	66.5	56.4
57.5°	1076.3	912.1	761.3	610.6	474.8	347.7	245.0	165.5	110.9	81.4	61.9
55°	1313.3	1129.5	947.4	776.5	610.6	462.7	323.7	223.4	137.0	98.1	67.2
52.5°	1572.4	1354.5	1147.4	947.4	761.3	580.4	426.5	279.8	187.8	114.4	80.4
50°	1835.3	1593.2	1354.5	1129.5	912.1	715.8	526.4	366.7	237.0	138.3	94.2
47.5°	2100.7	1835.3	1572.4	1313.3	1076.3	847.1	640.6	454.6	284.6	180.6	107.5
45°	2380.2	2077.8	1790.1	1510.0	1235.1	988.2	756.6	539.4	360.1	221.3	120.3
42.5°	2658.2	2328.8	2009.4	1700.3	1407.1	1129.1	868.3	637.7	433.2	260.4	145.3
40°	2947.2	2580.2	2226.7	1896.4	1575.9	1264.8	989.7	734.5	503.2	305.8	177.9
37.5°	3227.4	2833.2	2451.5	2084.2	1740.3	1412.9	1107.5	826.9	574.3	364.8	208.9
35°	3462.6	3083.6	2666.0	2273.9	1905.3	1553.8	1219.3	919.7	652.7	420.6	238.3
32.5°	3684.0	3311.7	2885.3	2462.2	2061.4	1686.9	1334.2	1015.0	726.6	473.3	265.9
30°	3828.7	3506.5	3093.6	2639.4	2212.9	1820.4	1447.9	1104.4	795.9	522.6	295.8
27.5°	3944.7	3689.1	3283.2	2815.4	2365.0	1945.6	1553.8	1187.5	860.3	572.5	335.6
25°	4076.4	3808.3	3440.0	2982.0	2505.8	2061.4	1651.6	1264.8	925.6	624.9	372.3
22.5°	4256.1	3900.4	3584.1	3134.9	2634.9	2167.6	1744.3	1345.2	988.2	672.7	405.7
20°	4419.8	3984.0	3714.8	3270.0	2757.4	2273.9	1831.0	1417.9	1044.6	715.8	435.9
17.5°	4673.7	4087.6	3792.3	3377.1	2870.4	2368.7	1908.2	1482.5	1094.7	754.1	462.7
15°	5382.6	4206.3	3852.6	3471.0	2969.2	2451.5	1975.6	1538.9	1138.5	787.5	486.0
12.5°	5990.0	4307.8	3904.2	3551.1	3053.6	2522.1	2033.1	1586.9	1175.7	815.9	505.9
10°	6492.2	4391.7	3946.8	3617.1	3123.0	2580.2	2080.4	1626.4	1206.4	839.3	522.2
7.5°	6886.2	4457.4	3980.1	3668.8	3177.4	2625.6	2117.3	1657.3	1230.3	857.5	534.9
5°	7169.5	4504.6	4004.1	3705.9	3216.3	2658.2	2143.8	1679.4	1247.4	870.5	544.0
2.5°	7340.3	4533.1	4018.5	3728.2	3239.8	2677.8	2159.7	1692.7	1257.7	878.4	549.5
0°	<b>7397.3</b>	<b>4542.6</b>	<b>4023.3</b>	<b>3735.7</b>	<b>3247.6</b>	<b>2684.3</b>	<b>2165.0</b>	<b>1697.1</b>	<b>1261.1</b>	<b>881.0</b>	<b>551.3</b>
-2.5°	7340.3	4533.1	4018.5	3728.2	3239.8	2677.8	2159.7	1692.7	1257.7	878.4	549.5
-5°	7169.5	4504.6	4004.1	3705.9	3216.3	2658.2	2143.8	1679.4	1247.4	870.5	544.0
-7.5°	6886.2	4457.4	3980.1	3668.8	3177.4	2625.6	2117.3	1657.3	1230.3	857.5	534.9
-10°	6492.2	4391.7	3946.8	3617.1	3123.0	2580.2	2080.4	1626.4	1206.4	839.3	522.2
-12.5°	5990.0	4307.8	3904.2	3551.1	3053.6	2522.1	2033.1	1586.9	1175.7	815.9	505.9
-15°	5382.6	4206.3	3852.6	3471.0	2969.2	2451.5	1975.6	1538.9	1138.5	787.5	486.0
-17.5°	4673.7	4087.6	3792.3	3377.1	2870.4	2368.7	1908.2	1482.5	1094.7	754.1	462.7
-20°	4419.8	3984.0	3714.8	3270.0	2757.4	2273.9	1831.0	1417.9	1044.6	715.8	435.9



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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°	4256.1	3900.4	3584.1	3134.9	2634.9	2167.6	1744.3	1345.2	988.2	672.7	405.7
-25°	4076.4	3808.3	3440.0	2982.0	2505.8	2061.4	1651.6	1264.8	925.6	624.9	372.3
-27.5°	3944.7	3689.1	3283.2	2815.4	2365.0	1945.6	1553.8	1187.5	860.3	572.5	335.6
-30°	3828.7	3506.5	3093.6	2639.4	2212.9	1820.4	1447.9	1104.4	795.9	522.6	295.8
-32.5°	3684.0	3311.7	2885.3	2462.2	2061.4	1686.9	1334.2	1015.0	726.6	473.3	265.9
-35°	3462.6	3083.6	2666.0	2273.9	1905.3	1553.8	1219.3	919.7	652.7	420.6	238.3
-37.5°	3227.4	2833.2	2451.5	2084.2	1740.3	1412.9	1107.5	826.9	574.3	364.8	208.9
-40°	2947.2	2580.2	2226.7	1896.4	1575.9	1264.8	989.7	734.5	503.2	305.8	177.9
-42.5°	2658.2	2328.8	2009.4	1700.3	1407.1	1129.1	868.3	637.7	433.2	260.4	145.3
-45°	2380.2	2077.8	1790.1	1510.0	1235.1	988.2	756.6	539.4	360.1	221.3	120.3
-47.5°	2100.7	1835.3	1572.4	1313.3	1076.3	847.1	640.6	454.6	284.6	180.6	107.5
-50°	1835.3	1593.2	1354.5	1129.5	912.1	715.8	526.4	366.7	237.0	138.3	94.2
-52.5°	1572.4	1354.5	1147.4	947.4	761.3	580.4	426.5	279.8	187.8	114.4	80.4
-55°	1313.3	1129.5	947.4	776.5	610.6	462.7	323.7	223.4	137.0	98.1	67.2
-57.5°	1076.3	912.1	761.3	610.6	474.8	347.7	245.0	165.5	110.9	81.4	61.9
-60°	847.1	715.8	580.4	462.7	347.7	252.2	179.9	118.6	91.6	66.5	56.4
-62.5°	640.6	526.4	426.5	323.7	245.0	179.9	121.1	96.7	71.9	60.1	50.8
-65°	454.6	366.7	279.8	223.4	165.5	118.6	96.7	74.5	62.0	53.5	45.4
-67.5°	284.6	237.0	187.8	137.0	110.9	91.6	71.9	62.0	54.5	46.9	40.8
-70°	180.6	138.3	114.4	98.1	81.4	66.5	60.1	53.5	46.9	41.5	36.2
-72.5°	107.5	94.2	80.4	67.2	61.9	56.4	50.8	45.4	40.8	36.2	31.4
-75°	69.4	64.2	59.9	55.5	50.9	46.3	42.5	38.6	34.7	30.7	27.5
-77.5°	54.4	50.9	47.3	44.3	41.3	38.2	35.1	31.8	28.9	26.3	23.7
-80°	41.7	39.5	37.2	34.9	32.5	30.1	28.1	26.1	24.1	22.0	19.9
-82.5°	30.6	29.2	27.9	26.6	25.2	23.8	22.3	20.8	19.3	17.7	15.7
-85°	21.9	21.0	20.2	19.3	18.3	17.4	16.1	14.7	13.3	11.9	10.5
-87.5°	11.8	11.2	10.6	10.0	9.3	8.7	8.0	7.4	6.7	5.9	5.2
-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°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
85°	9.0	7.5	6.0	4.5	3.0	1.5	0.0
82.5°	13.5	11.3	9.0	6.8	4.5	2.3	0.0
80°	17.8	15.0	12.0	9.0	6.0	3.0	0.0
77.5°	21.0	18.3	15.0	11.3	7.5	3.8	0.0
75°	24.3	21.0	17.8	13.5	9.0	4.5	0.0
72.5°	27.5	23.7	19.9	15.7	10.5	5.2	0.0
70°	30.7	26.3	22.0	17.7	11.9	5.9	0.0
67.5°	34.7	28.9	24.1	19.3	13.3	6.7	0.0
65°	38.6	31.8	26.1	20.8	14.7	7.4	0.0
62.5°	42.5	35.1	28.1	22.3	16.1	8.0	0.0
60°	46.3	38.2	30.1	23.8	17.4	8.7	0.0
57.5°	50.9	41.3	32.5	25.2	18.3	9.3	0.0
55°	55.5	44.3	34.9	26.6	19.3	10.0	0.0
52.5°	59.9	47.3	37.2	27.9	20.2	10.6	0.0
50°	64.2	50.9	39.5	29.2	21.0	11.2	0.0
47.5°	69.4	54.4	41.7	30.6	21.9	11.8	0.0
45°	80.4	57.7	43.7	32.2	22.7	12.3	0.0
42.5°	90.9	60.9	45.7	33.6	23.5	12.8	0.0
40°	100.9	64.0	47.9	35.1	24.2	13.3	0.0
37.5°	110.5	66.8	50.2	36.4	24.9	13.8	0.0
35°	119.5	72.7	52.4	37.7	25.6	14.3	0.0
32.5°	132.4	79.8	54.5	38.9	26.2	14.7	0.0
30°	154.5	86.3	56.4	40.0	26.8	15.1	0.0
27.5°	175.0	92.5	58.2	41.1	27.3	15.4	0.0
25°	193.8	98.1	59.8	42.0	27.8	15.8	0.0
22.5°	211.0	103.2	61.3	42.9	28.2	16.1	0.0
20°	226.5	107.8	62.7	43.7	28.7	16.4	0.0
17.5°	240.2	111.9	63.9	44.4	29.0	16.6	0.0
15°	252.2	115.5	64.9	45.0	29.3	16.8	0.0
12.5°	262.4	118.6	65.8	45.5	29.6	17.0	0.0
10°	270.8	121.0	66.5	45.9	29.8	17.1	0.0
7.5°	277.3	123.0	67.1	46.3	30.0	17.3	0.0
5°	282.0	124.4	67.5	46.5	30.1	17.3	0.0
2.5°	284.8	125.2	67.7	46.7	30.2	17.4	0.0
0°	285.7	125.5	67.8	46.7	30.2	17.4	0.0
-2.5°	284.8	125.2	67.7	46.7	30.2	17.4	0.0
-5°	282.0	124.4	67.5	46.5	30.1	17.3	0.0
-7.5°	277.3	123.0	67.1	46.3	30.0	17.3	0.0
-10°	270.8	121.0	66.5	45.9	29.8	17.1	0.0
-12.5°	262.4	118.6	65.8	45.5	29.6	17.0	0.0
-15°	252.2	115.5	64.9	45.0	29.3	16.8	0.0
-17.5°	240.2	111.9	63.9	44.4	29.0	16.6	0.0
-20°	226.5	107.8	62.7	43.7	28.7	16.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	211.0	103.2	61.3	42.9	28.2	16.1	0.0
-25°	193.8	98.1	59.8	42.0	27.8	15.8	0.0
-27.5°	175.0	92.5	58.2	41.1	27.3	15.4	0.0
-30°	154.5	86.3	56.4	40.0	26.8	15.1	0.0
-32.5°	132.4	79.8	54.5	38.9	26.2	14.7	0.0
-35°	119.5	72.7	52.4	37.7	25.6	14.3	0.0
-37.5°	110.5	66.8	50.2	36.4	24.9	13.8	0.0
-40°	100.9	64.0	47.9	35.1	24.2	13.3	0.0
-42.5°	90.9	60.9	45.7	33.6	23.5	12.8	0.0
-45°	80.4	57.7	43.7	32.2	22.7	12.3	0.0
-47.5°	69.4	54.4	41.7	30.6	21.9	11.8	0.0
-50°	64.2	50.9	39.5	29.2	21.0	11.2	0.0
-52.5°	59.9	47.3	37.2	27.9	20.2	10.6	0.0
-55°	55.5	44.3	34.9	26.6	19.3	10.0	0.0
-57.5°	50.9	41.3	32.5	25.2	18.3	9.3	0.0
-60°	46.3	38.2	30.1	23.8	17.4	8.7	0.0
-62.5°	42.5	35.1	28.1	22.3	16.1	8.0	0.0
-65°	38.6	31.8	26.1	20.8	14.7	7.4	0.0
-67.5°	34.7	28.9	24.1	19.3	13.3	6.7	0.0
-70°	30.7	26.3	22.0	17.7	11.9	5.9	0.0
-72.5°	27.5	23.7	19.9	15.7	10.5	5.2	0.0
-75°	24.3	21.0	17.8	13.5	9.0	4.5	0.0
-77.5°	21.0	18.3	15.0	11.3	7.5	3.8	0.0
-80°	17.8	15.0	12.0	9.0	6.0	3.0	0.0
-82.5°	13.5	11.3	9.0	6.8	4.5	2.3	0.0
-85°	9.0	7.5	6.0	4.5	3.0	1.5	0.0
-87.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)