

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: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-3L-S**

Issue Date: 8/10/2023

Test Information

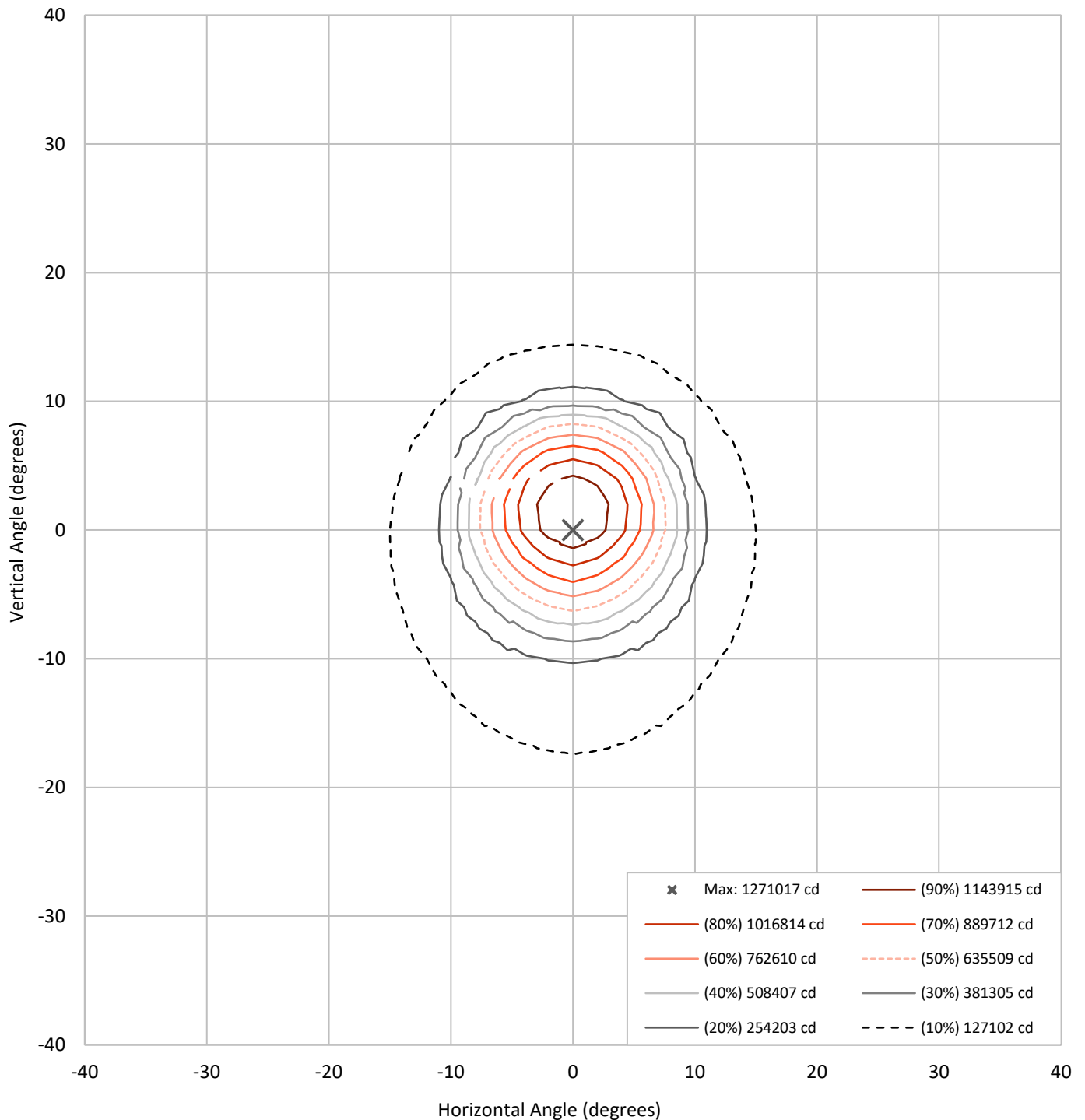
Test Method: LM-79-08
Report Number: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-54)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-3L-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 3L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	166519.7 lumens	Max Intensity:	1271017 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	129.2 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	15.2°H x 14.5°V	Field Angle (10%):	29.6°H x 31.5°V
Beam Lumens:	46428 lumens	Field Lumens:	92654.6 lumens
Beam Efficiency:	27.9%	Field Efficiency:	55.6%
Input Watts (W):	1288.4		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





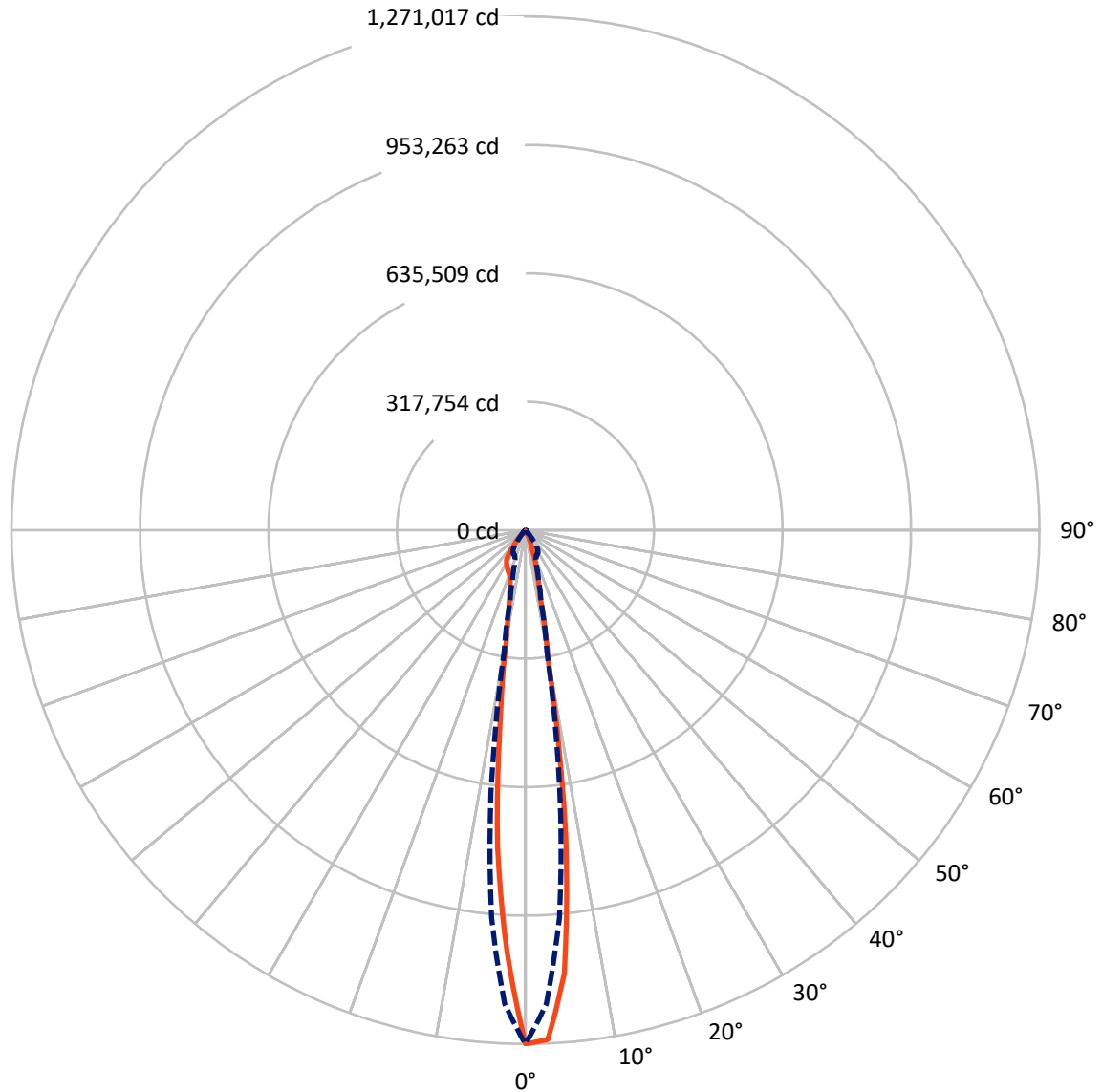
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Lumen Table

90	0.3	1.3		2.3		3.3		3.6		3.3		2.3		1.3		0.3			
80	0.3	1.3		2.3		3.3		3.6		3.3		2.3		1.3		0.3			
70	0.6	0.5	0.7	1.2	1.8	2.4	3.1	3.6	3.6	3.1	2.4	1.8	1.2	0.7	0.5	0.6			
60		0.6	1.1	2.1	3.7	6.5	12.4	26.1	26.1	12.4	6.5	3.7	2.1	1.1	0.6				
50	0.8	0.7	1.8	4.5	9.6	16.4	23.9	34.7	34.7	23.9	16.4	9.6	4.5	1.8	0.7	0.8			
40		1.0	3.5	9.4	18.0	29.1	45.9	64.4	64.4	45.9	29.1	18.0	9.4	3.5	1.0				
30	0.9	1.4	5.9	17.4	65.2	235.7	402.3	522.0	522.0	402.3	235.7	65.2	17.4	5.9	1.4	0.9			
20		1.9	9.7	44.4	390.1	1047.7	1738.8	3398.9	3398.9	1738.8	1047.7	390.1	44.4	9.7	1.9				
10	1.0	2.2	15.0	109.8	877.3	1679.4	3558.3	20633.4	20633.4	3558.3	1679.4	877.3	109.8	15.0	2.2	1.0			
0		2.4	19.9	165.7	1158.4	2026.6	3792.2	16574.0	16574.0	3792.2	2026.6	1158.4	165.7	19.9	2.4				
-10	0.9	2.4	17.5	145.7	1016.9	2300.4	2983.4	4365.0	4365.0	2983.4	2300.4	1016.9	145.7	17.5	2.4	0.9			
-20		1.8	10.9	74.4	517.1	1864.0	2774.9	3101.6	3101.6	2774.9	1864.0	517.1	74.4	10.9	1.8				
-30	0.7	1.2	5.9	23.9	154.5	657.7	1447.3	1967.0	1967.0	1447.3	657.7	154.5	23.9	5.9	1.2	0.7			
-40		0.8	2.9	8.1	28.1	120.5	286.6	418.9	418.9	286.6	120.5	28.1	8.1	2.9	0.8				
-50	0.6	0.6	1.4	3.5	6.6	12.7	27.7	41.0	41.0	27.7	12.7	6.6	3.5	1.4	0.6	0.6			
-60		0.4	0.8	1.4	2.4	3.7	5.0	5.6	5.6	5.0	3.7	2.4	1.4	0.8	0.4				
-70	0.3	1.2	2.2		3.2		3.5		3.2		2.2		1.2		0.3				
-80		1.2	2.2		3.2		3.5		3.2		2.2		1.2						
-90	0.3	1.2		2.2		3.2		3.5		3.2		2.2		1.2		0.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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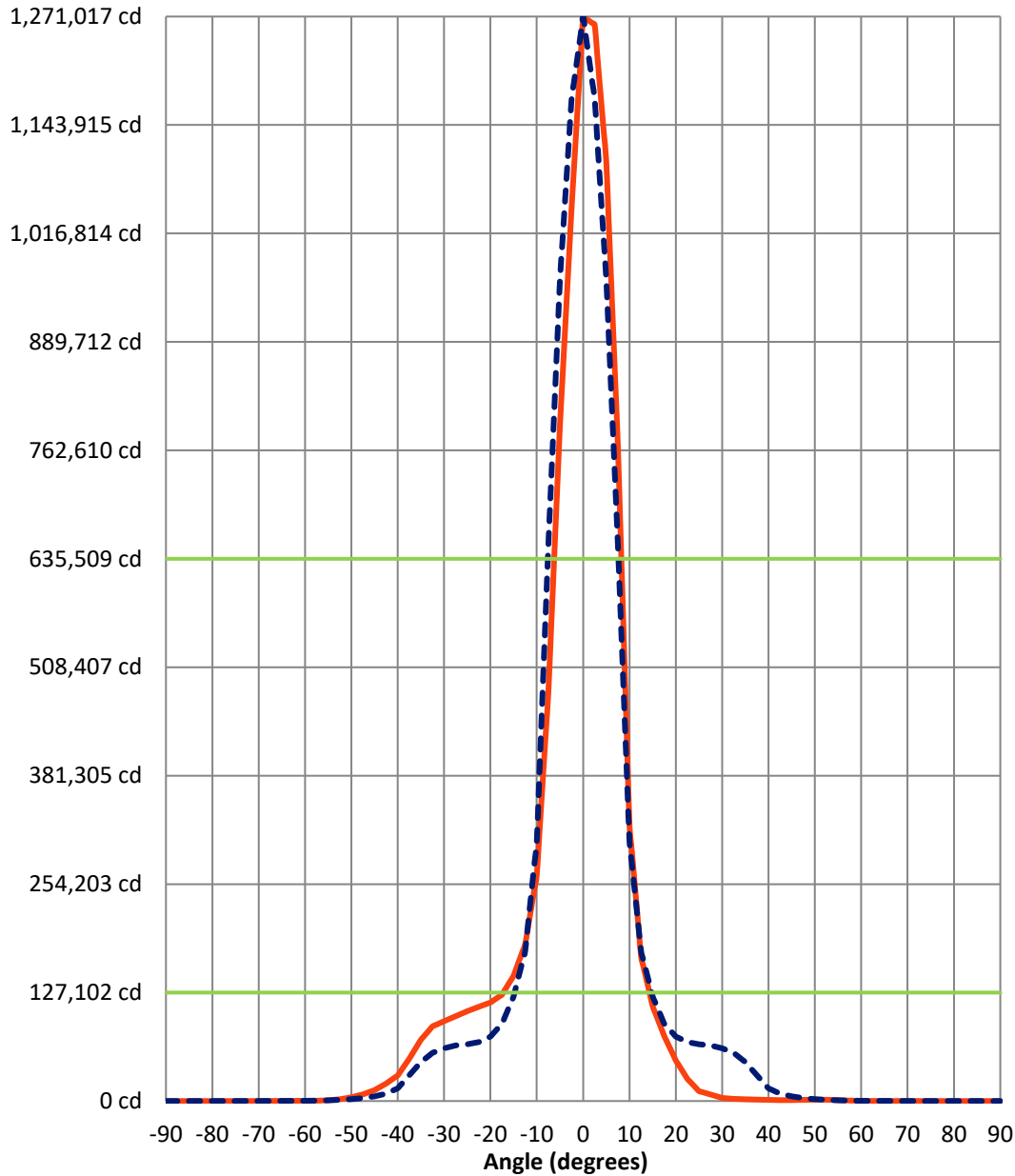
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 15.2°
 V Angle: 14.5°
 Lumens: 46428
 Efficiency: 27.9%

Field:
 H Angle: 29.6°
 V Angle: 31.5°
 Lumens: 92654.6
 Efficiency: 55.6%

Spill:
 Lumens: 73865.1
 Efficiency: 44.4%

— 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	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
85°	0.0	1.7	3.3	5.0	6.7	8.3	9.9	11.5	13.1	14.7	16.2
82.5°	0.0	2.5	5.0	7.5	10.0	12.4	14.9	17.3	19.4	20.6	21.7
80°	0.0	3.3	6.7	10.0	13.3	16.5	19.5	21.1	22.7	24.2	25.8
77.5°	0.0	4.2	8.3	12.4	16.5	19.9	21.9	23.9	25.9	27.8	28.8
75°	0.0	5.0	9.9	14.9	19.5	21.9	24.3	26.7	28.8	28.8	28.8
72.5°	0.0	5.8	11.5	17.3	21.1	23.9	26.7	28.8	28.8	28.8	28.8
70°	0.0	6.6	13.1	19.4	22.7	25.9	28.8	28.8	28.8	28.9	31.9
67.5°	0.0	7.3	14.7	20.6	24.2	27.8	28.8	28.8	28.9	32.3	35.7
65°	0.0	8.1	16.2	21.7	25.8	28.8	28.8	28.8	31.9	35.7	38.4
62.5°	0.0	8.9	17.7	22.9	27.3	28.8	28.8	30.6	34.9	38.4	38.4
60°	0.0	9.6	19.2	24.0	28.7	28.8	28.8	33.2	37.8	38.4	38.4
57.5°	0.0	10.3	19.9	25.0	28.8	28.8	30.7	35.7	38.4	38.4	40.8
55°	0.0	11.0	20.6	26.1	28.8	28.8	32.8	38.1	38.4	39.1	44.3
52.5°	0.0	11.7	21.3	27.1	28.8	29.1	34.8	38.4	38.4	42.1	47.6
50°	0.0	12.3	21.9	28.1	28.8	30.7	36.8	38.4	39.2	45.1	49.6
47.5°	0.0	13.0	22.6	28.8	28.8	32.3	38.4	38.4	41.7	47.9	51.7
45°	0.0	13.6	23.2	28.8	28.8	33.8	38.4	38.4	44.1	50.3	54.2
42.5°	0.0	14.2	23.7	28.8	28.8	35.3	38.4	39.6	46.5	53.0	58.3
40°	0.0	14.7	24.3	28.8	29.4	36.6	38.4	41.5	48.7	55.9	62.2
37.5°	0.0	15.2	24.8	28.8	30.4	38.0	38.4	43.4	50.9	58.3	65.4
35°	0.0	15.7	25.3	28.8	31.4	38.4	38.4	45.2	52.9	60.5	69.1
32.5°	0.0	16.2	25.8	28.8	32.3	38.4	38.8	46.8	54.8	62.7	74.2
30°	0.0	16.6	26.2	28.8	33.2	38.4	40.1	48.4	56.6	64.6	79.4
27.5°	0.0	17.0	26.6	28.8	34.0	38.4	41.4	49.8	58.2	66.5	84.8
25°	0.0	17.4	27.0	28.8	34.8	38.4	42.5	51.1	59.7	69.9	90.4
22.5°	0.0	17.7	27.3	28.8	35.5	38.4	43.5	52.3	61.1	74.1	100.2
20°	0.0	18.0	27.6	28.8	36.1	38.4	44.5	53.4	62.3	78.2	109.3
17.5°	0.0	18.3	27.9	28.8	36.6	38.4	45.3	54.4	63.4	82.2	117.4
15°	0.0	18.5	28.1	28.8	37.1	38.4	46.0	55.2	64.4	85.9	124.7
12.5°	0.0	18.7	28.3	28.8	37.5	38.4	46.6	56.0	66.0	89.3	131.0
10°	0.0	18.9	28.5	28.8	37.8	38.4	47.1	56.5	68.2	92.0	136.7
7.5°	0.0	19.0	28.6	28.8	38.1	38.4	47.5	57.0	70.5	93.9	142.2
5°	0.0	19.1	28.7	28.8	38.3	38.4	47.8	57.3	72.7	95.1	146.9
2.5°	0.0	19.2	28.8	28.8	38.4	38.4	47.9	57.5	74.8	95.7	150.7
0°	0.0	19.2	28.8	28.8	38.4	38.4	48.0	57.6	76.7	95.9	153.5
-2.5°	0.0	19.2	28.8	28.8	38.4	38.4	47.9	57.5	76.5	97.7	159.6
-5°	0.0	19.1	28.7	28.8	38.3	38.4	47.8	57.3	76.1	99.0	164.2
-7.5°	0.0	19.0	28.6	28.8	38.1	38.4	47.5	57.0	75.3	99.8	167.0
-10°	0.0	18.9	28.5	28.8	37.8	38.4	47.1	56.5	74.3	99.9	167.9
-12.5°	0.0	18.7	28.3	28.8	37.5	38.4	46.6	56.0	72.9	99.0	163.4
-15°	0.0	18.5	28.1	28.8	37.1	38.4	46.0	55.2	71.3	96.2	155.5
-17.5°	0.0	18.3	27.9	28.8	36.6	38.4	45.3	54.4	69.3	92.9	145.9
-20°	0.0	18.0	27.6	28.8	36.1	38.4	44.5	53.4	67.1	89.1	134.5



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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	17.7	27.3	28.8	35.5	38.4	43.5	52.3	64.6	84.8	121.2
-25°	0.0	17.4	27.0	28.8	34.8	38.2	42.5	51.1	61.9	80.1	106.2
-27.5°	0.0	17.0	26.6	28.8	34.0	37.9	41.4	49.8	58.8	75.5	99.9
-30°	0.0	16.6	26.2	28.8	33.2	37.5	40.1	48.4	56.6	71.8	93.6
-32.5°	0.0	16.2	25.8	28.8	32.2	37.0	38.8	46.8	54.8	67.8	86.9
-35°	0.0	15.7	25.3	28.8	31.2	36.4	38.0	45.2	52.9	63.5	79.6
-37.5°	0.0	15.2	24.8	28.8	30.2	35.5	37.3	43.4	50.9	58.9	73.6
-40°	0.0	14.7	24.3	28.8	29.3	34.2	36.4	41.5	48.7	55.9	68.2
-42.5°	0.0	14.2	23.7	28.8	28.8	33.0	35.4	39.6	46.5	53.3	62.6
-45°	0.0	13.6	23.2	28.8	28.8	31.8	34.1	37.8	44.1	50.7	57.2
-47.5°	0.0	13.0	22.6	28.8	28.8	30.8	32.6	36.0	41.7	47.9	54.1
-50°	0.0	12.3	21.9	28.1	28.8	29.8	31.5	33.9	39.2	45.1	50.9
-52.5°	0.0	11.7	21.3	27.1	28.8	28.9	30.6	31.6	36.5	42.1	47.6
-55°	0.0	11.0	20.6	26.1	28.8	28.8	29.8	29.3	33.8	39.1	44.3
-57.5°	0.0	10.3	19.9	25.0	28.8	28.8	29.2	28.9	31.1	36.0	40.8
-60°	0.0	9.6	19.2	24.0	28.7	28.8	28.8	28.8	28.8	32.8	37.2
-62.5°	0.0	8.9	17.7	22.9	27.3	28.8	28.8	28.8	28.8	29.5	33.6
-65°	0.0	8.1	16.2	21.7	25.8	28.8	28.8	28.7	28.8	28.8	29.9
-67.5°	0.0	7.3	14.7	20.6	24.2	27.8	28.8	28.4	28.8	28.8	28.8
-70°	0.0	6.6	13.1	19.4	22.7	25.9	28.8	27.9	27.6	28.8	28.8
-72.5°	0.0	5.8	11.5	17.3	21.1	23.9	26.7	27.3	26.3	26.6	28.1
-75°	0.0	5.0	9.9	14.9	19.5	21.9	24.3	25.3	24.7	24.1	24.5
-77.5°	0.0	4.2	8.3	12.4	16.5	19.9	21.9	22.9	22.8	21.8	20.6
-80°	0.0	3.3	6.7	10.0	13.3	16.5	19.5	20.7	21.0	20.6	19.4
-82.5°	0.0	2.5	5.0	7.5	10.0	12.4	14.9	17.3	19.3	19.6	19.2
-85°	0.0	1.7	3.3	5.0	6.7	8.3	9.9	11.5	13.1	14.7	16.2
-87.5°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
-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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 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3L-S

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°	8.9	9.6	10.3	11.0	11.7	12.3	13.0	13.6	14.2	14.7	15.2
85°	17.7	19.2	19.4	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
82.5°	22.0	21.7	20.8	19.4	19.2	19.2	19.4	20.3	20.8	20.7	20.2
80°	25.5	24.3	22.9	22.2	23.3	24.6	25.9	27.1	26.4	24.7	23.1
77.5°	27.5	26.6	26.6	27.5	28.8	28.8	28.8	28.8	28.2	28.0	28.5
75°	28.4	28.7	29.4	29.2	28.8	28.8	29.1	30.9	32.1	32.1	31.3
72.5°	30.4	31.5	31.4	30.0	30.9	33.2	35.4	37.5	37.6	37.2	38.6
70°	34.2	34.7	34.1	34.6	36.5	38.4	38.4	38.4	38.9	42.7	48.0
67.5°	37.8	36.7	37.1	38.5	38.4	38.4	38.4	43.2	49.2	54.6	58.3
65°	38.3	38.1	39.6	39.9	38.6	42.0	47.4	54.2	59.9	62.9	65.5
62.5°	38.4	41.0	42.4	42.4	43.8	48.5	56.0	62.3	66.7	72.6	78.5
60°	41.7	44.8	45.1	46.0	49.7	58.0	65.5	71.4	78.6	86.5	93.0
57.5°	45.6	47.3	47.1	51.4	60.2	67.9	73.4	80.6	91.2	100.2	107.9
55°	48.3	47.9	51.4	61.0	68.8	73.4	81.7	94.9	105.7	118.0	127.8
52.5°	49.3	50.0	60.2	68.8	73.8	83.1	97.5	112.5	127.4	140.8	154.6
50°	50.8	58.1	67.9	73.4	83.8	100.3	116.8	134.8	154.4	171.5	193.1
47.5°	56.0	65.3	72.0	81.0	101.0	120.9	140.3	165.3	187.9	217.5	248.9
45°	61.6	70.6	76.7	97.9	120.6	144.3	172.5	200.6	233.4	270.8	321.0
42.5°	66.6	75.7	91.8	115.1	143.3	174.2	207.7	243.4	282.5	336.4	401.2
40°	71.6	81.5	108.9	137.3	168.5	207.8	249.7	291.1	340.9	412.2	490.1
37.5°	77.1	97.4	127.2	160.0	200.0	246.1	293.8	350.8	416.7	493.9	578.3
35°	82.8	113.2	148.0	187.4	233.7	288.4	348.8	417.9	504.5	583.4	661.7
32.5°	93.6	128.9	168.7	218.9	274.3	334.9	404.1	502.4	594.9	677.6	734.7
30°	107.3	147.1	191.6	250.8	315.0	390.0	479.1	587.5	684.7	765.0	825.8
27.5°	119.9	165.0	220.0	285.9	357.3	447.3	567.6	672.4	771.3	861.0	937.0
25°	131.8	182.2	248.2	321.0	409.3	522.4	661.5	788.2	868.5	981.1	1188.6
22.5°	144.4	199.5	273.7	354.9	461.8	604.2	772.2	935.8	1070.0	1162.1	1555.2
20°	158.2	220.9	300.1	393.1	516.6	686.3	895.1	1115.6	1346.2	1747.7	2689.0
17.5°	171.4	240.5	328.4	443.3	599.0	797.3	1032.8	1322.4	1677.5	2488.8	4625.0
15°	183.9	258.1	356.6	494.9	691.7	956.6	1278.8	1638.9	2214.0	3623.5	6969.8
12.5°	195.6	273.8	384.1	546.8	788.8	1131.5	1578.5	2172.8	3161.5	5560.0	11550.5
10°	206.3	287.5	410.3	597.6	887.6	1315.9	1904.8	2784.4	4281.8	7701.7	16151.7
7.5°	213.0	297.1	435.3	646.1	984.8	1502.8	2244.9	3444.3	5434.3	9727.1	20572.5
5°	217.3	302.6	462.6	716.9	1119.5	1720.8	2604.4	4119.9	6576.0	11589.6	24650.9
2.5°	219.8	305.8	487.5	788.6	1275.2	1982.9	3034.7	4851.8	7663.8	13353.5	27926.2
0°	220.6	306.9	508.4	853.7	1419.6	2225.4	3434.0	5525.0	8642.5	14915.7	30205.4
-2.5°	234.7	341.5	551.3	902.1	1494.3	2378.1	3723.4	6049.4	9721.4	16670.8	31935.6
-5°	246.8	372.5	588.0	939.4	1547.1	2492.3	3947.3	6449.8	10513.0	17793.0	32437.6
-7.5°	256.2	398.1	617.8	959.1	1553.7	2510.0	4002.9	6534.5	10728.9	17997.4	31662.1
-10°	261.5	403.2	603.3	924.7	1499.3	2445.7	3946.8	6452.4	10626.2	17656.4	30024.1
-12.5°	256.4	391.1	577.3	878.1	1418.3	2327.7	3788.7	6186.4	10164.3	16722.6	27397.3
-15°	248.0	375.9	547.3	818.9	1309.2	2151.9	3519.1	5721.0	9217.4	14740.1	23123.6
-17.5°	236.0	358.0	513.9	746.9	1171.3	1914.9	3103.5	4940.1	8007.1	12933.9	20332.7
-20°	220.1	337.5	477.6	661.9	1018.3	1647.9	2666.1	4298.0	6938.2	11085.3	17192.4



REPORT NUMBER: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3L-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	200.3	314.6	443.6	606.2	888.5	1390.8	2223.5	3550.2	5653.1	8900.9	14144.4
-25°	180.6	291.3	413.9	544.4	752.9	1118.1	1742.7	2751.8	4504.8	7321.1	11534.9
-27.5°	162.5	262.9	372.3	482.8	620.0	868.8	1375.4	2196.8	3517.0	5564.9	8746.6
-30°	142.3	226.4	330.1	425.2	537.5	722.0	1050.7	1611.6	2543.2	4196.2	6654.1
-32.5°	120.0	189.8	287.6	377.6	470.2	582.5	771.1	1203.7	1878.2	2880.9	4667.6
-35°	102.3	163.4	245.1	330.4	406.2	492.3	630.1	857.9	1266.4	2011.5	3220.4
-37.5°	93.9	135.6	202.6	283.7	355.5	425.9	493.2	645.3	902.5	1282.1	2177.6
-40°	84.9	106.2	167.8	237.7	308.2	368.3	426.9	493.4	629.4	924.9	1341.5
-42.5°	76.0	95.5	134.4	191.9	259.2	320.8	366.4	411.2	475.8	620.4	907.3
-45°	69.5	84.8	103.5	153.9	206.8	271.3	320.9	353.9	389.4	440.1	580.4
-47.5°	62.8	74.7	91.6	117.2	162.2	212.0	273.0	312.6	337.4	362.5	379.6
-50°	56.7	67.1	80.0	98.6	125.9	161.8	206.6	264.0	299.8	317.3	332.0
-52.5°	53.1	59.3	70.9	85.6	103.0	127.0	155.5	192.3	243.9	284.8	297.5
-55°	49.4	54.4	61.5	73.8	88.6	104.7	121.8	145.6	167.0	212.8	255.3
-57.5°	45.6	50.2	54.8	62.0	74.6	88.7	101.1	113.1	131.9	149.8	173.3
-60°	41.7	46.0	50.2	54.4	60.0	72.4	83.7	94.4	105.1	115.5	131.8
-62.5°	37.7	41.7	45.6	49.4	53.1	58.1	68.2	77.8	85.5	94.5	103.5
-65°	33.6	37.2	40.8	44.3	47.6	51.6	56.9	63.7	71.9	77.8	83.2
-67.5°	29.5	32.8	36.0	39.1	41.9	44.3	47.9	52.7	58.6	63.6	68.4
-70°	28.8	28.8	31.1	33.8	35.9	36.3	38.1	41.0	45.1	49.4	53.7
-72.5°	28.8	28.8	28.8	28.8	30.7	31.6	31.3	30.0	32.1	37.4	41.6
-75°	26.4	28.6	28.8	28.8	28.2	28.1	28.9	29.0	29.4	31.0	33.4
-77.5°	22.0	23.9	25.6	27.4	27.1	25.5	24.6	24.5	25.7	27.0	28.4
-80°	19.2	19.2	20.6	22.0	22.4	22.1	21.2	19.5	19.2	19.8	20.8
-82.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.3	19.2	19.2	19.2	19.2
-85°	17.7	19.2	19.2	19.2	19.2	19.2	19.2	19.2	18.0	17.0	16.3
-87.5°	8.9	9.6	10.3	11.0	11.7	12.3	13.0	13.6	12.4	11.0	9.5
-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: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3L-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°	15.7	14.2	12.5	10.7	8.7	8.9	9.0	9.2	9.3	7.0	4.7
85°	19.2	18.5	17.9	17.6	17.4	15.8	13.9	11.8	9.6	9.5	9.5
82.5°	19.3	19.2	19.2	19.2	19.2	18.7	18.4	18.2	18.2	18.5	18.8
80°	22.1	22.7	23.6	24.4	25.2	25.9	26.5	27.0	27.5	27.9	28.2
77.5°	28.9	29.2	30.2	31.6	33.6	34.7	35.5	36.1	36.7	37.2	37.7
75°	29.6	31.1	35.5	39.2	42.1	43.5	44.5	45.3	46.0	46.6	47.1
72.5°	41.8	45.8	48.4	49.8	51.1	52.3	53.4	54.4	55.2	56.0	56.5
70°	52.1	54.8	56.6	58.2	59.7	61.5	64.2	67.3	70.7	72.9	74.3
67.5°	60.5	62.7	64.6	66.5	69.4	73.1	77.3	80.5	82.8	85.3	88.4
65°	69.1	73.9	78.4	82.6	86.5	90.0	93.2	96.0	98.5	101.0	103.0
62.5°	84.2	89.5	94.5	99.2	103.5	108.4	113.7	118.5	122.6	126.8	132.0
60°	99.2	105.1	110.9	117.7	125.5	134.0	143.2	153.1	163.7	174.5	183.6
57.5°	116.0	122.0	128.8	142.7	155.7	167.9	188.1	216.9	248.3	283.4	344.8
55°	138.1	149.4	160.0	184.0	211.5	238.6	272.6	331.2	396.9	467.4	619.3
52.5°	167.9	194.1	219.8	251.7	297.4	343.3	393.2	480.2	572.4	667.6	859.9
50°	224.6	258.9	301.7	346.8	402.2	458.9	515.3	610.8	706.1	798.9	973.2
47.5°	295.1	343.3	396.2	445.7	507.3	563.3	612.3	688.1	769.7	839.7	952.2
45°	376.1	439.6	496.7	548.0	603.4	651.2	688.7	731.7	793.3	835.4	884.0
42.5°	471.5	534.9	593.6	642.3	686.3	729.2	764.7	794.7	840.7	883.5	921.2
40°	562.3	624.1	676.8	725.3	767.1	808.8	867.5	918.0	973.1	1047.9	1121.7
37.5°	648.7	703.0	752.4	800.5	864.2	936.2	1006.2	1088.4	1181.9	1316.6	1451.8
35°	725.4	776.9	824.7	893.2	978.3	1063.4	1169.0	1323.6	1470.2	1637.2	1805.3
32.5°	794.2	854.1	922.2	1009.3	1118.7	1323.4	1416.8	1633.6	1764.2	1974.0	2211.9
30°	865.0	965.5	1186.1	1316.0	1597.7	1984.4	2028.0	2250.6	2526.7	2707.5	3224.5
27.5°	1057.4	1329.6	1838.5	2765.4	2956.2	3513.1	4159.3	3881.7	5107.8	4931.1	6671.2
25°	1574.0	2183.8	4162.0	5951.4	6775.3	7486.3	9079.6	9567.4	11776.6	13172.8	13541.3
22.5°	2759.8	5412.0	8275.7	10801.6	13133.2	15037.5	17089.2	20116.0	21473.8	22160.2	22757.3
20°	4969.7	9819.7	14187.5	17808.0	21140.7	24331.9	28095.0	30340.8	31765.7	34708.1	37746.0
17.5°	9644.2	15594.8	20946.4	25485.8	29876.3	34835.0	37987.5	40541.5	44403.4	49671.0	55670.1
15°	15076.7	22104.3	28054.3	33525.5	39113.8	43925.2	46989.8	50948.4	57179.5	65334.8	75589.8
12.5°	20817.7	28603.1	35025.7	41092.2	47971.2	51241.5	54718.9	60502.4	69177.7	80961.2	101881.6
10°	26483.2	34717.3	41580.4	48050.8	53638.8	56966.3	60922.2	67784.1	81311.0	103118.2	133833.1
7.5°	32057.6	40805.9	47665.8	53910.5	58041.0	60987.9	65989.5	75798.4	94592.0	124760.7	172255.6
5°	37405.7	46563.4	53065.9	58436.1	61310.5	64126.4	69850.7	82488.4	108344.2	149524.4	230901.3
2.5°	42051.7	51819.0	57767.2	62087.8	64001.4	66690.8	73068.5	87395.7	117773.5	169156.9	297329.8
0°	45629.5	56420.6	61792.1	65187.7	66549.8	69139.7	75604.7	90616.3	122663.4	175803.6	304567.5
-2.5°	48231.3	60094.3	65355.8	68291.8	69515.0	71711.8	77786.5	91546.0	121563.7	171759.9	283500.3
-5°	49371.5	62353.2	68436.3	71516.3	72962.3	74890.7	80001.1	92011.7	116759.7	155426.4	226356.6
-7.5°	48967.0	63405.8	71102.1	74636.9	76424.6	78333.9	82448.4	91439.5	109073.5	137166.1	181014.3
-10°	47094.8	63332.4	73209.4	77508.6	80079.2	82047.0	84824.6	90169.9	101506.2	121875.2	147528.3
-12.5°	43693.6	61702.3	74755.9	79967.1	83291.9	85664.1	88272.8	92235.7	98576.1	108186.2	126833.3
-15°	39179.2	57799.4	72903.1	80993.2	85394.0	88920.6	91777.3	94316.0	98486.8	104471.8	112853.1
-17.5°	33703.6	51510.7	68582.4	81087.2	86631.1	90844.6	93971.1	96982.0	99609.1	103548.8	107443.0
-20°	26636.7	43696.8	61984.8	76478.5	85663.7	90863.8	94966.2	97911.6	100612.3	103117.3	105720.9



REPORT NUMBER: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3L-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21846.9	35124.7	52088.3	69700.2	81103.6	88607.0	93688.0	96863.4	99853.9	101685.5	103696.2
-25°	17550.7	26045.7	41284.9	57366.1	72484.7	82964.1	89725.3	94031.0	96707.9	98834.8	100351.7
-27.5°	13722.9	20691.2	30045.5	44715.8	59289.2	72124.0	81246.0	89169.4	91947.9	94580.1	95933.7
-30°	10014.2	15480.6	22922.6	31980.7	44523.5	56144.7	67294.6	76168.0	83115.1	88227.1	90159.0
-32.5°	7380.3	10889.5	16501.4	23410.5	30061.1	40143.6	49814.2	58922.9	67302.2	74173.0	79064.5
-35°	5034.1	7648.2	10784.2	16046.0	21244.8	26920.3	33080.5	40936.3	47530.5	55078.2	61552.5
-37.5°	3403.3	5093.0	7483.0	10332.8	14443.7	18306.9	22509.4	26683.7	30548.0	36645.7	42018.5
-40°	2221.1	3284.5	4958.8	6913.6	9545.6	12024.7	15144.6	17809.0	20610.6	23916.3	26745.1
-42.5°	1320.1	2100.7	3055.0	4470.6	6056.6	7786.2	9822.8	11734.7	13636.8	15622.7	17393.3
-45°	803.8	1230.5	1787.3	2675.5	3555.9	4783.7	5993.2	7103.5	8539.9	9809.0	10841.9
-47.5°	513.8	670.4	1017.7	1451.5	1968.3	2715.6	3444.8	4183.8	5090.0	5899.1	6543.7
-50°	357.6	422.7	564.9	709.7	1021.5	1384.8	1735.4	2189.0	2736.0	3233.4	3625.8
-52.5°	308.3	331.5	359.9	413.5	540.9	667.2	791.1	1048.2	1309.9	1544.6	1729.0
-55°	277.6	286.5	294.4	318.6	348.4	379.0	422.7	520.6	615.0	704.0	768.3
-57.5°	209.8	240.8	262.0	271.8	282.2	292.9	314.1	339.4	361.3	379.3	389.9
-60°	147.3	162.0	189.0	213.8	234.2	250.2	263.7	277.8	290.8	300.3	300.2
-62.5°	111.9	123.2	137.5	151.7	165.1	180.4	198.0	214.8	230.9	242.7	246.4
-65°	89.2	96.5	104.6	113.5	123.0	134.0	143.0	151.9	160.4	166.8	169.7
-67.5°	73.0	77.3	81.3	85.1	90.6	97.1	102.8	107.9	112.3	116.1	119.2
-70°	57.7	61.5	65.0	68.3	71.4	74.2	76.7	78.9	80.9	82.5	83.9
-72.5°	44.8	46.8	48.7	51.6	54.2	56.6	58.8	60.7	62.4	63.8	65.0
-75°	36.6	38.8	40.1	41.4	42.5	43.5	44.5	45.3	46.0	46.6	47.1
-77.5°	29.6	29.4	29.0	29.1	29.5	31.0	32.5	33.9	35.1	36.1	36.9
-80°	21.8	22.0	21.6	20.7	19.4	18.6	18.1	17.9	17.9	18.3	18.6
-82.5°	19.2	18.2	17.3	16.8	16.5	15.3	13.7	11.8	9.7	9.4	9.4
-85°	15.8	14.6	13.2	11.5	9.7	9.6	9.6	9.6	9.6	7.2	4.8
-87.5°	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.3	7.0	4.7
-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: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3L-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°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.7	7.0	9.3	9.2
85°	9.5	9.5	9.6	9.6	9.6	9.5	9.5	9.5	9.5	9.6	11.8
82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.5	18.2	18.2
80°	28.5	28.7	28.8	28.8	28.8	28.7	28.5	28.2	27.9	27.5	27.0
77.5°	38.0	38.2	38.4	38.4	38.4	38.2	38.0	37.7	37.2	36.7	36.1
75°	47.5	47.8	47.9	48.0	47.9	47.8	47.5	47.1	46.6	46.0	45.3
72.5°	57.0	57.3	57.5	57.6	57.5	57.3	57.0	56.5	56.0	55.2	54.4
70°	75.3	76.1	76.5	76.7	76.5	76.1	75.3	74.3	72.9	70.7	67.3
67.5°	91.6	94.8	95.7	95.9	95.7	94.8	91.6	88.4	85.3	82.8	80.5
65°	104.3	105.1	105.4	105.5	105.4	105.1	104.3	103.0	101.0	98.5	96.0
62.5°	137.0	141.6	143.5	143.9	143.5	141.6	137.0	132.0	126.8	122.6	118.5
60°	191.4	197.8	204.7	211.0	204.7	197.8	191.4	183.6	174.5	163.7	153.1
57.5°	413.0	483.7	540.6	585.1	540.6	483.7	413.0	344.8	283.4	248.3	216.9
55°	788.0	961.7	1085.7	1170.2	1085.7	961.7	788.0	619.3	467.4	396.9	331.2
52.5°	1081.3	1303.9	1450.0	1534.7	1450.0	1303.9	1081.3	859.9	667.6	572.4	480.2
50°	1192.9	1410.4	1547.1	1611.5	1547.1	1410.4	1192.9	973.2	798.9	706.1	610.8
47.5°	1109.4	1256.6	1361.5	1429.2	1361.5	1256.6	1109.4	952.2	839.7	769.7	688.1
45°	968.0	1037.8	1082.0	1103.1	1082.0	1037.8	968.0	884.0	835.4	793.3	731.7
42.5°	983.3	1030.4	1055.6	1055.1	1055.6	1030.4	983.3	921.2	883.5	840.7	794.7
40°	1213.2	1296.8	1356.2	1371.7	1356.2	1296.8	1213.2	1121.7	1047.9	973.1	918.0
37.5°	1566.0	1647.6	1696.0	1697.8	1696.0	1647.6	1566.0	1451.8	1316.6	1181.9	1088.4
35°	1944.7	2043.6	2112.6	2100.7	2112.6	2043.6	1944.7	1805.3	1637.2	1470.2	1323.6
32.5°	2364.7	2481.6	2564.8	2580.3	2564.8	2481.6	2364.7	2211.9	1974.0	1764.2	1633.6
30°	3434.9	3620.0	3669.3	3654.6	3669.3	3620.0	3434.9	3224.5	2707.5	2526.7	2250.6
27.5°	7390.9	7727.7	7581.3	7644.9	7581.3	7727.7	7390.9	6671.2	4931.1	5107.8	3881.7
25°	13381.1	12826.2	12127.1	11606.4	12127.1	12826.2	13381.1	13541.3	13172.8	11776.6	9567.4
22.5°	24452.6	25267.6	25893.6	25946.6	25893.6	25267.6	24452.6	22757.3	22160.2	21473.8	20116.0
20°	41725.2	44539.3	46574.5	47576.7	46574.5	44539.3	41725.2	37746.0	34708.1	31765.7	30340.8
17.5°	63023.0	69554.4	73613.2	76228.2	73613.2	69554.4	63023.0	55670.1	49671.0	44403.4	40541.5
15°	89275.1	102556.8	110094.7	111191.3	110094.7	102556.8	89275.1	75589.8	65334.8	57179.5	50948.4
12.5°	123210.0	146289.7	164025.0	169496.8	164025.0	146289.7	123210.0	101881.6	80961.2	69177.7	60502.4
10°	172632.7	228743.7	306833.2	324682.1	306833.2	228743.7	172632.7	133833.1	103118.2	81311.0	67784.1
7.5°	282417.3	491849.2	713788.7	767917.5	713788.7	491849.2	282417.3	172255.6	124760.7	94592.0	75798.4
5°	472317.4	860826.1	#####	#####	#####	860826.1	472317.4	230901.3	149524.4	108344.2	82488.4
2.5°	647589.7	990906.7	#####	#####	#####	990906.7	647589.7	297329.8	169156.9	117773.5	87395.7
0°	651949.3	962123.4	#####	#####	#####	962123.4	651949.3	304567.5	175803.6	122663.4	90616.3
-2.5°	533059.4	806096.4	982397.6	#####	982397.6	806096.4	533059.4	283500.3	171759.9	121563.7	91546.0
-5°	359036.8	569036.5	724150.7	791413.3	724150.7	569036.5	359036.8	226356.6	155426.4	116759.7	92011.7
-7.5°	248000.9	343383.4	449718.1	479013.8	449718.1	343383.4	248000.9	181014.3	137166.1	109073.5	91439.5
-10°	182871.9	218973.5	256469.2	264875.5	256469.2	218973.5	182871.9	147528.3	121875.2	101506.2	90169.9
-12.5°	145274.9	164846.8	181330.0	183856.1	181330.0	164846.8	145274.9	126833.3	108186.2	98576.1	92235.7
-15°	124393.6	135370.2	142634.1	146835.5	142634.1	135370.2	124393.6	112853.1	104471.8	98486.8	94316.0
-17.5°	113513.6	118546.6	122046.4	124706.6	122046.4	118546.6	113513.6	107443.0	103548.8	99609.1	96982.0
-20°	108583.4	111179.6	113687.8	115517.4	113687.8	111179.6	108583.4	105720.9	103117.3	100612.3	97911.6



REPORT NUMBER: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3L-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	105384.9	107173.1	108734.5	110471.9	108734.5	107173.1	105384.9	103696.2	101685.5	99853.9	96863.4
-25°	101589.3	102935.2	104113.0	105292.2	104113.0	102935.2	101589.3	100351.7	98834.8	96707.9	94031.0
-27.5°	96928.0	97873.8	98568.1	99402.7	98568.1	97873.8	96928.0	95933.7	94580.1	91947.9	89169.4
-30°	91529.1	92451.4	92896.3	93589.9	92896.3	92451.4	91529.1	90159.0	88227.1	83115.1	76168.0
-32.5°	82567.2	84798.9	86192.6	87460.5	86192.6	84798.9	82567.2	79064.5	74173.0	67302.2	58922.9
-35°	66013.4	68587.7	70157.5	71806.3	70157.5	68587.7	66013.4	61552.5	55078.2	47530.5	40936.3
-37.5°	45543.8	47448.9	48499.1	49696.5	48499.1	47448.9	45543.8	42018.5	36645.7	30548.0	26683.7
-40°	28497.2	29613.4	30131.0	30004.0	30131.0	29613.4	28497.2	26745.1	23916.3	20610.6	17809.0
-42.5°	18587.9	19358.0	19927.2	20517.4	19927.2	19358.0	18587.9	17393.3	15622.7	13636.8	11734.7
-45°	11693.6	12367.0	12767.8	12834.2	12767.8	12367.0	11693.6	10841.9	9809.0	8539.9	7103.5
-47.5°	6998.9	7324.8	7600.8	7836.7	7600.8	7324.8	6998.9	6543.7	5899.1	5090.0	4183.8
-50°	3912.5	4116.3	4284.0	4412.4	4284.0	4116.3	3912.5	3625.8	3233.4	2736.0	2189.0
-52.5°	1875.4	1986.6	2076.5	2139.0	2076.5	1986.6	1875.4	1729.0	1544.6	1309.9	1048.2
-55°	818.1	853.8	882.6	901.7	882.6	853.8	818.1	768.3	704.0	615.0	520.6
-57.5°	399.1	406.2	403.2	393.3	403.2	406.2	399.1	389.9	379.3	361.3	339.4
-60°	298.9	296.5	296.8	297.4	296.8	296.5	298.9	300.2	300.3	290.8	277.8
-62.5°	247.8	247.1	248.5	249.4	248.5	247.1	247.8	246.4	242.7	230.9	214.8
-65°	171.1	171.2	172.2	172.7	172.2	171.2	171.1	169.7	166.8	160.4	151.9
-67.5°	121.6	123.3	124.4	124.7	124.4	123.3	121.6	119.2	116.1	112.3	107.9
-70°	84.9	85.7	90.6	95.9	90.6	85.7	84.9	83.9	82.5	80.9	78.9
-72.5°	65.9	66.6	67.0	67.1	67.0	66.6	65.9	65.0	63.8	62.4	60.7
-75°	47.5	47.8	47.9	48.0	47.9	47.8	47.5	47.1	46.6	46.0	45.3
-77.5°	37.6	38.0	38.3	38.4	38.3	38.0	37.6	36.9	36.1	35.1	33.9
-80°	18.9	19.1	23.9	28.8	23.9	19.1	18.9	18.6	18.3	17.9	17.9
-82.5°	9.4	9.5	9.6	9.6	9.6	9.5	9.4	9.4	9.4	9.7	11.8
-85°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.8	7.2	9.6	9.6
-87.5°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.7	7.0	9.3	9.2
-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: P700003 (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°	9.0	8.9	8.7	10.7	12.5	14.2	15.7	15.2	14.7	14.2	13.6
85°	13.9	15.8	17.4	17.6	17.9	18.5	19.2	19.2	19.2	19.2	19.2
82.5°	18.4	18.7	19.2	19.2	19.2	19.2	19.3	20.2	20.7	20.8	20.3
80°	26.5	25.9	25.2	24.4	23.6	22.7	22.1	23.1	24.7	26.4	27.1
77.5°	35.5	34.7	33.6	31.6	30.2	29.2	28.9	28.5	28.0	28.2	28.8
75°	44.5	43.5	42.1	39.2	35.5	31.1	29.6	31.3	32.1	32.1	30.9
72.5°	53.4	52.3	51.1	49.8	48.4	45.8	41.8	38.6	37.2	37.6	37.5
70°	64.2	61.5	59.7	58.2	56.6	54.8	52.1	48.0	42.7	38.9	38.4
67.5°	77.3	73.1	69.4	66.5	64.6	62.7	60.5	58.3	54.6	49.2	43.2
65°	93.2	90.0	86.5	82.6	78.4	73.9	69.1	65.5	62.9	59.9	54.2
62.5°	113.7	108.4	103.5	99.2	94.5	89.5	84.2	78.5	72.6	66.7	62.3
60°	143.2	134.0	125.5	117.7	110.9	105.1	99.2	93.0	86.5	78.6	71.4
57.5°	188.1	167.9	155.7	142.7	128.8	122.0	116.0	107.9	100.2	91.2	80.6
55°	272.6	238.6	211.5	184.0	160.0	149.4	138.1	127.8	118.0	105.7	94.9
52.5°	393.2	343.3	297.4	251.7	219.8	194.1	167.9	154.6	140.8	127.4	112.5
50°	515.3	458.9	402.2	346.8	301.7	258.9	224.6	193.1	171.5	154.4	134.8
47.5°	612.3	563.3	507.3	445.7	396.2	343.3	295.1	248.9	217.5	187.9	165.3
45°	688.7	651.2	603.4	548.0	496.7	439.6	376.1	321.0	270.8	233.4	200.6
42.5°	764.7	729.2	686.3	642.3	593.6	534.9	471.5	401.2	336.4	282.5	243.4
40°	867.5	808.8	767.1	725.3	676.8	624.1	562.3	490.1	412.2	340.9	291.1
37.5°	1006.2	936.2	864.2	800.5	752.4	703.0	648.7	578.3	493.9	416.7	350.8
35°	1169.0	1063.4	978.3	893.2	824.7	776.9	725.4	661.7	583.4	504.5	417.9
32.5°	1416.8	1323.4	1118.7	1009.3	922.2	854.1	794.2	734.7	677.6	594.9	502.4
30°	2028.0	1984.4	1597.7	1316.0	1186.1	965.5	865.0	825.8	765.0	684.7	587.5
27.5°	4159.3	3513.1	2956.2	2765.4	1838.5	1329.6	1057.4	937.0	861.0	771.3	672.4
25°	9079.6	7486.3	6775.3	5951.4	4162.0	2183.8	1574.0	1188.6	981.1	868.5	788.2
22.5°	17089.2	15037.5	13133.2	10801.6	8275.7	5412.0	2759.8	1555.2	1162.1	1070.0	935.8
20°	28095.0	24331.9	21140.7	17808.0	14187.5	9819.7	4969.7	2689.0	1747.7	1346.2	1115.6
17.5°	37987.5	34835.0	29876.3	25485.8	20946.4	15594.8	9644.2	4625.0	2488.8	1677.5	1322.4
15°	46989.8	43925.2	39113.8	33525.5	28054.3	22104.3	15076.7	6969.8	3623.5	2214.0	1638.9
12.5°	54718.9	51241.5	47971.2	41092.2	35025.7	28603.1	20817.7	11550.5	5560.0	3161.5	2172.8
10°	60922.2	56966.3	53638.8	48050.8	41580.4	34717.3	26483.2	16151.7	7701.7	4281.8	2784.4
7.5°	65989.5	60987.9	58041.0	53910.5	47665.8	40805.9	32057.6	20572.5	9727.1	5434.3	3444.3
5°	69850.7	64126.4	61310.5	58436.1	53065.9	46563.4	37405.7	24650.9	11589.6	6576.0	4119.9
2.5°	73068.5	66690.8	64001.4	62087.8	57767.2	51819.0	42051.7	27926.2	13353.5	7663.8	4851.8
0°	75604.7	69139.7	66549.8	65187.7	61792.1	56420.6	45629.5	30205.4	14915.7	8642.5	5525.0
-2.5°	77786.5	71711.8	69515.0	68291.8	65355.8	60094.3	48231.3	31935.6	16670.8	9721.4	6049.4
-5°	80001.1	74890.7	72962.3	71516.3	68436.3	62353.2	49371.5	32437.6	17793.0	10513.0	6449.8
-7.5°	82448.4	78333.9	76424.6	74636.9	71102.1	63405.8	48967.0	31662.1	17997.4	10728.9	6534.5
-10°	84824.6	82047.0	80079.2	77508.6	73209.4	63332.4	47094.8	30024.1	17656.4	10626.2	6452.4
-12.5°	88272.8	85664.1	83291.9	79967.1	74755.9	61702.3	43693.6	27397.3	16722.6	10164.3	6186.4
-15°	91777.3	88920.6	85394.0	80993.2	72903.1	57799.4	39179.2	23123.6	14740.1	9217.4	5721.0
-17.5°	93971.1	90844.6	86631.1	81087.2	68582.4	51510.7	33703.6	20332.7	12933.9	8007.1	4940.1
-20°	94966.2	90863.8	85663.7	76478.5	61984.8	43696.8	26636.7	17192.4	11085.3	6938.2	4298.0



REPORT NUMBER: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3L-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	93688.0	88607.0	81103.6	69700.2	52088.3	35124.7	21846.9	14144.4	8900.9	5653.1	3550.2
-25°	89725.3	82964.1	72484.7	57366.1	41284.9	26045.7	17550.7	11534.9	7321.1	4504.8	2751.8
-27.5°	81246.0	72124.0	59289.2	44715.8	30045.5	20691.2	13722.9	8746.6	5564.9	3517.0	2196.8
-30°	67294.6	56144.7	44523.5	31980.7	22922.6	15480.6	10014.2	6654.1	4196.2	2543.2	1611.6
-32.5°	49814.2	40143.6	30061.1	23410.5	16501.4	10889.5	7380.3	4667.6	2880.9	1878.2	1203.7
-35°	33080.5	26920.3	21244.8	16046.0	10784.2	7648.2	5034.1	3220.4	2011.5	1266.4	857.9
-37.5°	22509.4	18306.9	14443.7	10332.8	7483.0	5093.0	3403.3	2177.6	1282.1	902.5	645.3
-40°	15144.6	12024.7	9545.6	6913.6	4958.8	3284.5	2221.1	1341.5	924.9	629.4	493.4
-42.5°	9822.8	7786.2	6056.6	4470.6	3055.0	2100.7	1320.1	907.3	620.4	475.8	411.2
-45°	5993.2	4783.7	3555.9	2675.5	1787.3	1230.5	803.8	580.4	440.1	389.4	353.9
-47.5°	3444.8	2715.6	1968.3	1451.5	1017.7	670.4	513.8	379.6	362.5	337.4	312.6
-50°	1735.4	1384.8	1021.5	709.7	564.9	422.7	357.6	332.0	317.3	299.8	264.0
-52.5°	791.1	667.2	540.9	413.5	359.9	331.5	308.3	297.5	284.8	243.9	192.3
-55°	422.7	379.0	348.4	318.6	294.4	286.5	277.6	255.3	212.8	167.0	145.6
-57.5°	314.1	292.9	282.2	271.8	262.0	240.8	209.8	173.3	149.8	131.9	113.1
-60°	263.7	250.2	234.2	213.8	189.0	162.0	147.3	131.8	115.5	105.1	94.4
-62.5°	198.0	180.4	165.1	151.7	137.5	123.2	111.9	103.5	94.5	85.5	77.8
-65°	143.0	134.0	123.0	113.5	104.6	96.5	89.2	83.2	77.8	71.9	63.7
-67.5°	102.8	97.1	90.6	85.1	81.3	77.3	73.0	68.4	63.6	58.6	52.7
-70°	76.7	74.2	71.4	68.3	65.0	61.5	57.7	53.7	49.4	45.1	41.0
-72.5°	58.8	56.6	54.2	51.6	48.7	46.8	44.8	41.6	37.4	32.1	30.0
-75°	44.5	43.5	42.5	41.4	40.1	38.8	36.6	33.4	31.0	29.4	29.0
-77.5°	32.5	31.0	29.5	29.1	29.0	29.4	29.6	28.4	27.0	25.7	24.5
-80°	18.1	18.6	19.4	20.7	21.6	22.0	21.8	20.8	19.8	19.2	19.5
-82.5°	13.7	15.3	16.5	16.8	17.3	18.2	19.2	19.2	19.2	19.2	19.2
-85°	9.6	9.6	9.7	11.5	13.2	14.6	15.8	16.3	17.0	18.0	19.2
-87.5°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	9.5	11.0	12.4	13.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3L-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°	13.0	12.3	11.7	11.0	10.3	9.6	8.9	8.1	7.3	6.6	5.8
85°	19.2	19.2	19.2	19.2	19.4	19.2	17.7	16.2	14.7	13.1	11.5
82.5°	19.4	19.2	19.2	19.4	20.8	21.7	22.0	21.7	20.6	19.4	17.3
80°	25.9	24.6	23.3	22.2	22.9	24.3	25.5	25.8	24.2	22.7	21.1
77.5°	28.8	28.8	28.8	27.5	26.6	26.6	27.5	28.8	27.8	25.9	23.9
75°	29.1	28.8	28.8	29.2	29.4	28.7	28.4	28.8	28.8	28.8	26.7
72.5°	35.4	33.2	30.9	30.0	31.4	31.5	30.4	28.8	28.8	28.8	28.8
70°	38.4	38.4	36.5	34.6	34.1	34.7	34.2	31.9	28.9	28.8	28.8
67.5°	38.4	38.4	38.4	38.5	37.1	36.7	37.8	35.7	32.3	28.9	28.8
65°	47.4	42.0	38.6	39.9	39.6	38.1	38.3	38.4	35.7	31.9	28.8
62.5°	56.0	48.5	43.8	42.4	42.4	41.0	38.4	38.4	38.4	34.9	30.6
60°	65.5	58.0	49.7	46.0	45.1	44.8	41.7	38.4	38.4	37.8	33.2
57.5°	73.4	67.9	60.2	51.4	47.1	47.3	45.6	40.8	38.4	38.4	35.7
55°	81.7	73.4	68.8	61.0	51.4	47.9	48.3	44.3	39.1	38.4	38.1
52.5°	97.5	83.1	73.8	68.8	60.2	50.0	49.3	47.6	42.1	38.4	38.4
50°	116.8	100.3	83.8	73.4	67.9	58.1	50.8	49.6	45.1	39.2	38.4
47.5°	140.3	120.9	101.0	81.0	72.0	65.3	56.0	51.7	47.9	41.7	38.4
45°	172.5	144.3	120.6	97.9	76.7	70.6	61.6	54.2	50.3	44.1	38.4
42.5°	207.7	174.2	143.3	115.1	91.8	75.7	66.6	58.3	53.0	46.5	39.6
40°	249.7	207.8	168.5	137.3	108.9	81.5	71.6	62.2	55.9	48.7	41.5
37.5°	293.8	246.1	200.0	160.0	127.2	97.4	77.1	65.4	58.3	50.9	43.4
35°	348.8	288.4	233.7	187.4	148.0	113.2	82.8	69.1	60.5	52.9	45.2
32.5°	404.1	334.9	274.3	218.9	168.7	128.9	93.6	74.2	62.7	54.8	46.8
30°	479.1	390.0	315.0	250.8	191.6	147.1	107.3	79.4	64.6	56.6	48.4
27.5°	567.6	447.3	357.3	285.9	220.0	165.0	119.9	84.8	66.5	58.2	49.8
25°	661.5	522.4	409.3	321.0	248.2	182.2	131.8	90.4	69.9	59.7	51.1
22.5°	772.2	604.2	461.8	354.9	273.7	199.5	144.4	100.2	74.1	61.1	52.3
20°	895.1	686.3	516.6	393.1	300.1	220.9	158.2	109.3	78.2	62.3	53.4
17.5°	1032.8	797.3	599.0	443.3	328.4	240.5	171.4	117.4	82.2	63.4	54.4
15°	1278.8	956.6	691.7	494.9	356.6	258.1	183.9	124.7	85.9	64.4	55.2
12.5°	1578.5	1131.5	788.8	546.8	384.1	273.8	195.6	131.0	89.3	66.0	56.0
10°	1904.8	1315.9	887.6	597.6	410.3	287.5	206.3	136.7	92.0	68.2	56.5
7.5°	2244.9	1502.8	984.8	646.1	435.3	297.1	213.0	142.2	93.9	70.5	57.0
5°	2604.4	1720.8	1119.5	716.9	462.6	302.6	217.3	146.9	95.1	72.7	57.3
2.5°	3034.7	1982.9	1275.2	788.6	487.5	305.8	219.8	150.7	95.7	74.8	57.5
0°	3434.0	2225.4	1419.6	853.7	508.4	306.9	220.6	153.5	95.9	76.7	57.6
-2.5°	3723.4	2378.1	1494.3	902.1	551.3	341.5	234.7	159.6	97.7	76.5	57.5
-5°	3947.3	2492.3	1547.1	939.4	588.0	372.5	246.8	164.2	99.0	76.1	57.3
-7.5°	4002.9	2510.0	1553.7	959.1	617.8	398.1	256.2	167.0	99.8	75.3	57.0
-10°	3946.8	2445.7	1499.3	924.7	603.3	403.2	261.5	167.9	99.9	74.3	56.5
-12.5°	3788.7	2327.7	1418.3	878.1	577.3	391.1	256.4	163.4	99.0	72.9	56.0
-15°	3519.1	2151.9	1309.2	818.9	547.3	375.9	248.0	155.5	96.2	71.3	55.2
-17.5°	3103.5	1914.9	1171.3	746.9	513.9	358.0	236.0	145.9	92.9	69.3	54.4
-20°	2666.1	1647.9	1018.3	661.9	477.6	337.5	220.1	134.5	89.1	67.1	53.4



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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°	2223.5	1390.8	888.5	606.2	443.6	314.6	200.3	121.2	84.8	64.6	52.3
-25°	1742.7	1118.1	752.9	544.4	413.9	291.3	180.6	106.2	80.1	61.9	51.1
-27.5°	1375.4	868.8	620.0	482.8	372.3	262.9	162.5	99.9	75.5	58.8	49.8
-30°	1050.7	722.0	537.5	425.2	330.1	226.4	142.3	93.6	71.8	56.6	48.4
-32.5°	771.1	582.5	470.2	377.6	287.6	189.8	120.0	86.9	67.8	54.8	46.8
-35°	630.1	492.3	406.2	330.4	245.1	163.4	102.3	79.6	63.5	52.9	45.2
-37.5°	493.2	425.9	355.5	283.7	202.6	135.6	93.9	73.6	58.9	50.9	43.4
-40°	426.9	368.3	308.2	237.7	167.8	106.2	84.9	68.2	55.9	48.7	41.5
-42.5°	366.4	320.8	259.2	191.9	134.4	95.5	76.0	62.6	53.3	46.5	39.6
-45°	320.9	271.3	206.8	153.9	103.5	84.8	69.5	57.2	50.7	44.1	37.8
-47.5°	273.0	212.0	162.2	117.2	91.6	74.7	62.8	54.1	47.9	41.7	36.0
-50°	206.6	161.8	125.9	98.6	80.0	67.1	56.7	50.9	45.1	39.2	33.9
-52.5°	155.5	127.0	103.0	85.6	70.9	59.3	53.1	47.6	42.1	36.5	31.6
-55°	121.8	104.7	88.6	73.8	61.5	54.4	49.4	44.3	39.1	33.8	29.3
-57.5°	101.1	88.7	74.6	62.0	54.8	50.2	45.6	40.8	36.0	31.1	28.9
-60°	83.7	72.4	60.0	54.4	50.2	46.0	41.7	37.2	32.8	28.8	28.8
-62.5°	68.2	58.1	53.1	49.4	45.6	41.7	37.7	33.6	29.5	28.8	28.8
-65°	56.9	51.6	47.6	44.3	40.8	37.2	33.6	29.9	28.8	28.8	28.7
-67.5°	47.9	44.3	41.9	39.1	36.0	32.8	29.5	28.8	28.8	28.8	28.4
-70°	38.1	36.3	35.9	33.8	31.1	28.8	28.8	28.8	28.8	27.6	27.9
-72.5°	31.3	31.6	30.7	28.8	28.8	28.8	28.8	28.1	26.6	26.3	27.3
-75°	28.9	28.1	28.2	28.8	28.8	28.6	26.4	24.5	24.1	24.7	25.3
-77.5°	24.6	25.5	27.1	27.4	25.6	23.9	22.0	20.6	21.8	22.8	22.9
-80°	21.2	22.1	22.4	22.0	20.6	19.2	19.2	19.4	20.6	21.0	20.7
-82.5°	19.3	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.6	19.3	17.3
-85°	19.2	19.2	19.2	19.2	19.2	19.2	17.7	16.2	14.7	13.1	11.5
-87.5°	13.0	12.3	11.7	11.0	10.3	9.6	8.9	8.1	7.3	6.6	5.8
-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°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
85°	9.9	8.3	6.7	5.0	3.3	1.7	0.0
82.5°	14.9	12.4	10.0	7.5	5.0	2.5	0.0
80°	19.5	16.5	13.3	10.0	6.7	3.3	0.0
77.5°	21.9	19.9	16.5	12.4	8.3	4.2	0.0
75°	24.3	21.9	19.5	14.9	9.9	5.0	0.0
72.5°	26.7	23.9	21.1	17.3	11.5	5.8	0.0
70°	28.8	25.9	22.7	19.4	13.1	6.6	0.0
67.5°	28.8	27.8	24.2	20.6	14.7	7.3	0.0
65°	28.8	28.8	25.8	21.7	16.2	8.1	0.0
62.5°	28.8	28.8	27.3	22.9	17.7	8.9	0.0
60°	28.8	28.8	28.7	24.0	19.2	9.6	0.0
57.5°	30.7	28.8	28.8	25.0	19.9	10.3	0.0
55°	32.8	28.8	28.8	26.1	20.6	11.0	0.0
52.5°	34.8	29.1	28.8	27.1	21.3	11.7	0.0
50°	36.8	30.7	28.8	28.1	21.9	12.3	0.0
47.5°	38.4	32.3	28.8	28.8	22.6	13.0	0.0
45°	38.4	33.8	28.8	28.8	23.2	13.6	0.0
42.5°	38.4	35.3	28.8	28.8	23.7	14.2	0.0
40°	38.4	36.6	29.4	28.8	24.3	14.7	0.0
37.5°	38.4	38.0	30.4	28.8	24.8	15.2	0.0
35°	38.4	38.4	31.4	28.8	25.3	15.7	0.0
32.5°	38.8	38.4	32.3	28.8	25.8	16.2	0.0
30°	40.1	38.4	33.2	28.8	26.2	16.6	0.0
27.5°	41.4	38.4	34.0	28.8	26.6	17.0	0.0
25°	42.5	38.4	34.8	28.8	27.0	17.4	0.0
22.5°	43.5	38.4	35.5	28.8	27.3	17.7	0.0
20°	44.5	38.4	36.1	28.8	27.6	18.0	0.0
17.5°	45.3	38.4	36.6	28.8	27.9	18.3	0.0
15°	46.0	38.4	37.1	28.8	28.1	18.5	0.0
12.5°	46.6	38.4	37.5	28.8	28.3	18.7	0.0
10°	47.1	38.4	37.8	28.8	28.5	18.9	0.0
7.5°	47.5	38.4	38.1	28.8	28.6	19.0	0.0
5°	47.8	38.4	38.3	28.8	28.7	19.1	0.0
2.5°	47.9	38.4	38.4	28.8	28.8	19.2	0.0
0°	48.0	38.4	38.4	28.8	28.8	19.2	0.0
-2.5°	47.9	38.4	38.4	28.8	28.8	19.2	0.0
-5°	47.8	38.4	38.3	28.8	28.7	19.1	0.0
-7.5°	47.5	38.4	38.1	28.8	28.6	19.0	0.0
-10°	47.1	38.4	37.8	28.8	28.5	18.9	0.0
-12.5°	46.6	38.4	37.5	28.8	28.3	18.7	0.0
-15°	46.0	38.4	37.1	28.8	28.1	18.5	0.0
-17.5°	45.3	38.4	36.6	28.8	27.9	18.3	0.0
-20°	44.5	38.4	36.1	28.8	27.6	18.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	43.5	38.4	35.5	28.8	27.3	17.7	0.0
-25°	42.5	38.2	34.8	28.8	27.0	17.4	0.0
-27.5°	41.4	37.9	34.0	28.8	26.6	17.0	0.0
-30°	40.1	37.5	33.2	28.8	26.2	16.6	0.0
-32.5°	38.8	37.0	32.2	28.8	25.8	16.2	0.0
-35°	38.0	36.4	31.2	28.8	25.3	15.7	0.0
-37.5°	37.3	35.5	30.2	28.8	24.8	15.2	0.0
-40°	36.4	34.2	29.3	28.8	24.3	14.7	0.0
-42.5°	35.4	33.0	28.8	28.8	23.7	14.2	0.0
-45°	34.1	31.8	28.8	28.8	23.2	13.6	0.0
-47.5°	32.6	30.8	28.8	28.8	22.6	13.0	0.0
-50°	31.5	29.8	28.8	28.1	21.9	12.3	0.0
-52.5°	30.6	28.9	28.8	27.1	21.3	11.7	0.0
-55°	29.8	28.8	28.8	26.1	20.6	11.0	0.0
-57.5°	29.2	28.8	28.8	25.0	19.9	10.3	0.0
-60°	28.8	28.8	28.7	24.0	19.2	9.6	0.0
-62.5°	28.8	28.8	27.3	22.9	17.7	8.9	0.0
-65°	28.8	28.8	25.8	21.7	16.2	8.1	0.0
-67.5°	28.8	27.8	24.2	20.6	14.7	7.3	0.0
-70°	28.8	25.9	22.7	19.4	13.1	6.6	0.0
-72.5°	26.7	23.9	21.1	17.3	11.5	5.8	0.0
-75°	24.3	21.9	19.5	14.9	9.9	5.0	0.0
-77.5°	21.9	19.9	16.5	12.4	8.3	4.2	0.0
-80°	19.5	16.5	13.3	10.0	6.7	3.3	0.0
-82.5°	14.9	12.4	10.0	7.5	5.0	2.5	0.0
-85°	9.9	8.3	6.7	5.0	3.3	1.7	0.0
-87.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)