

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: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-70-3L-A**

Issue Date: 2/3/2026

Test Information

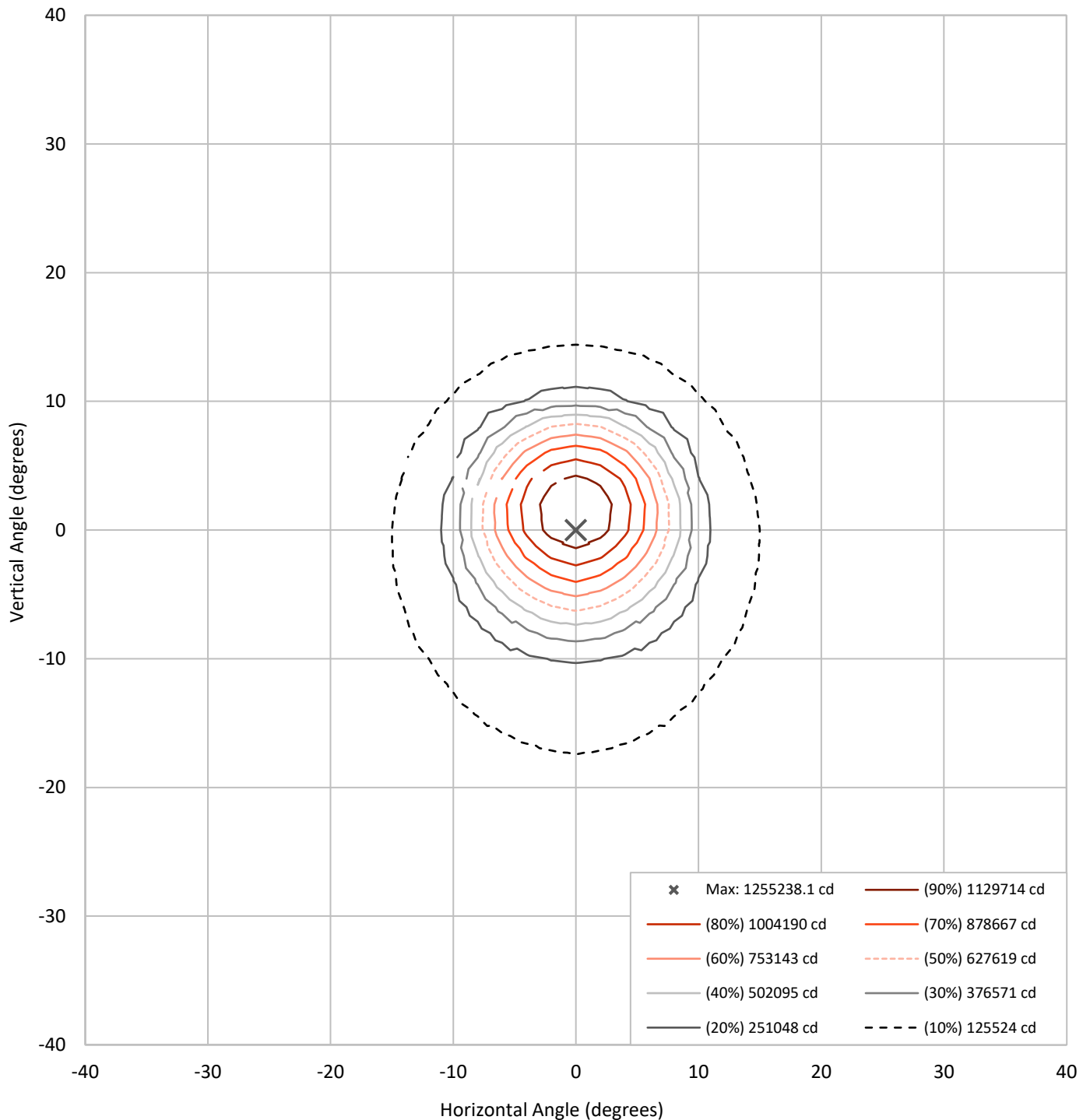
Test Method: LM-79-08
Report Number: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-54)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-40-70-3L-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 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:	164452.5 lumens	Max Intensity:	1255238.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	127.5 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:	45851.6 lumens	Field Lumens:	91504.4 lumens
Beam Efficiency:	27.9%	Field Efficiency:	55.6%
Input Watts (W):	1290		
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





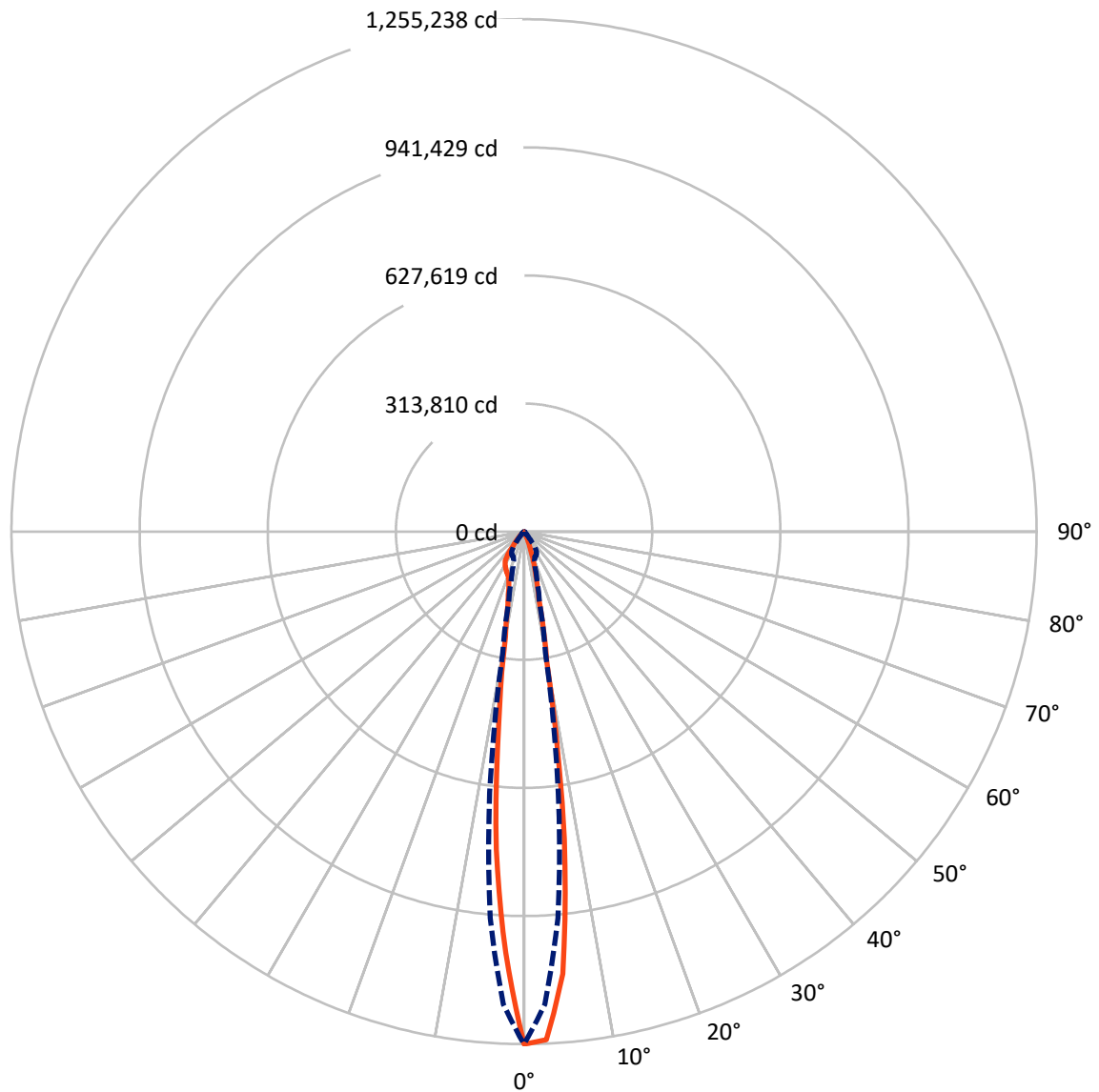
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Lumen Table

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	1.1	1.8	2.4	3.1	3.6	3.6	3.1	2.4	1.8	1.1	0.7	0.5	0.6
60		0.6	1.1	2.1	3.7	6.4	12.3	25.8	25.8	12.3	6.4	3.7	2.1	1.1	0.6	
50	0.7	0.7	1.8	4.5	9.5	16.2	23.6	34.3	34.3	23.6	16.2	9.5	4.5	1.8	0.7	0.7
40		1.0	3.4	9.3	17.8	28.7	45.3	63.6	63.6	45.3	28.7	17.8	9.3	3.4	1.0	
30	0.9	1.4	5.9	17.2	64.4	232.7	397.3	515.6	515.6	397.3	232.7	64.4	17.2	5.9	1.4	0.9
20		1.8	9.5	43.8	385.3	1034.7	1717.2	3356.7	3356.7	1717.2	1034.7	385.3	43.8	9.5	1.8	
10	1.0	2.1	14.8	108.5	866.4	1658.6	3514.2	20377.3	20377.3	3514.2	1658.6	866.4	108.5	14.8	2.1	1.0
0		2.4	19.7	163.6	1144.0	2001.4	3745.1	16368.3	16368.3	3745.1	2001.4	1144.0	163.6	19.7	2.4	
-10	0.9	2.4	17.3	143.8	1004.2	2271.9	2946.4	4310.9	4310.9	2946.4	2271.9	1004.2	143.8	17.3	2.4	0.9
-20		1.8	10.7	73.5	510.7	1840.8	2740.5	3063.1	3063.1	2740.5	1840.8	510.7	73.5	10.7	1.8	
-30	0.7	1.2	5.8	23.6	152.6	649.5	1429.3	1942.6	1942.6	1429.3	649.5	152.6	23.6	5.8	1.2	0.7
-40		0.8	2.9	8.0	27.8	119.0	283.0	413.7	413.7	283.0	119.0	27.8	8.0	2.9	0.8	
-50	0.6	0.6	1.4	3.4	6.5	12.5	27.3	40.5	40.5	27.3	12.5	6.5	3.4	1.4	0.6	0.6
-60		0.4	0.8	1.4	2.3	3.6	5.0	5.5	5.5	5.0	3.6	2.3	1.4	0.8	0.4	
-70	0.3	1.2		2.2		3.1		3.4		3.1		2.2		1.2		0.3
-80		1.2		2.2		3.1		3.4		3.1		2.2		1.2		
-90	0.3	1.2		2.2		3.1		3.4		3.1		2.2		1.2		0.3

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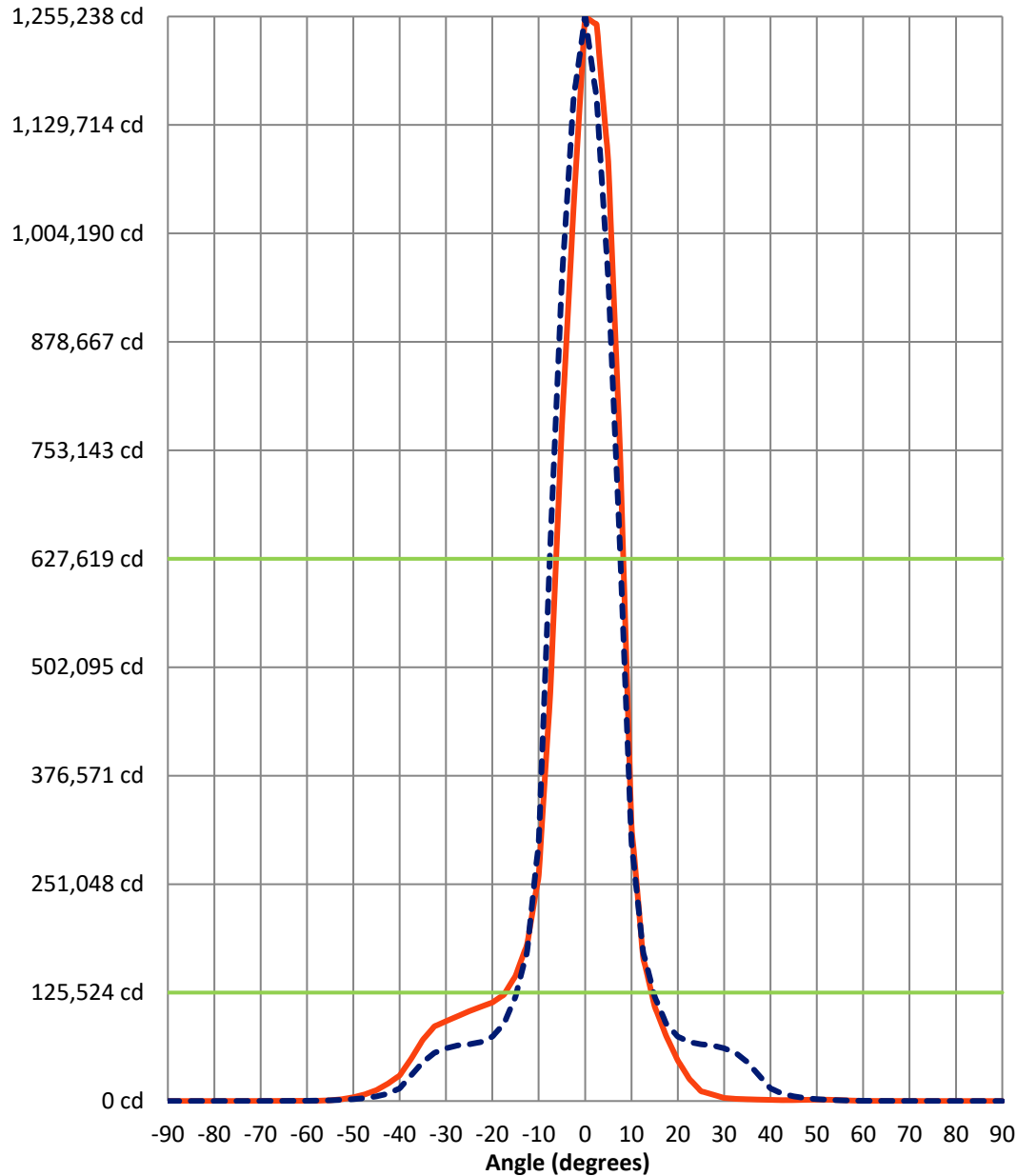
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 15.2°
 V Angle: 14.5°
 Lumens: 45851.6
 Efficiency: 27.9%

Field:
 H Angle: 29.6°
 V Angle: 31.5°
 Lumens: 91504.4
 Efficiency: 55.6%

Spill:
 Lumens: 72948.1
 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	1.6	2.5	3.3	4.1	4.9	5.7	6.5	7.2	8.0
85°	0.0	1.6	3.3	4.9	6.6	8.2	9.8	11.4	12.9	14.4	16.0
82.5°	0.0	2.5	4.9	7.4	9.8	12.2	14.6	17.0	19.1	20.3	21.4
80°	0.0	3.3	6.6	9.8	13.1	16.3	19.2	20.8	22.3	23.9	25.4
77.5°	0.0	4.1	8.2	12.2	16.3	19.6	21.6	23.6	25.5	27.5	28.4
75°	0.0	4.9	9.8	14.6	19.2	21.6	24.0	26.4	28.4	28.4	28.4
72.5°	0.0	5.7	11.4	17.0	20.8	23.6	26.4	28.4	28.4	28.4	28.4
70°	0.0	6.5	12.9	19.1	22.3	25.5	28.4	28.4	28.4	28.5	31.5
67.5°	0.0	7.2	14.4	20.3	23.9	27.5	28.4	28.4	28.5	31.9	35.3
65°	0.0	8.0	16.0	21.4	25.4	28.4	28.4	28.4	31.5	35.3	37.9
62.5°	0.0	8.7	17.4	22.5	26.9	28.4	28.4	30.2	34.4	37.9	37.9
60°	0.0	9.4	18.9	23.6	28.3	28.4	28.4	32.8	37.3	37.9	37.9
57.5°	0.0	10.2	19.6	24.7	28.4	28.4	30.3	35.2	37.9	37.9	40.3
55°	0.0	10.8	20.3	25.7	28.4	28.4	32.3	37.6	37.9	38.6	43.7
52.5°	0.0	11.5	21.0	26.7	28.4	28.7	34.3	37.9	37.9	41.6	47.1
50°	0.0	12.1	21.6	27.7	28.4	30.3	36.3	37.9	38.7	44.5	48.9
47.5°	0.0	12.8	22.2	28.4	28.4	31.9	37.9	37.9	41.2	47.3	51.0
45°	0.0	13.4	22.8	28.4	28.4	33.4	37.9	37.9	43.6	49.7	53.5
42.5°	0.0	13.9	23.4	28.4	28.4	34.8	37.9	39.1	45.9	52.3	57.6
40°	0.0	14.5	23.9	28.4	28.9	36.2	37.9	41.0	48.1	55.1	61.4
37.5°	0.0	15.0	24.5	28.4	30.0	37.5	37.9	42.8	50.2	57.5	64.6
35°	0.0	15.5	25.0	28.4	31.0	37.9	37.9	44.6	52.2	59.7	68.2
32.5°	0.0	15.9	25.4	28.4	31.9	37.9	38.3	46.2	54.0	61.9	73.3
30°	0.0	16.4	25.8	28.4	32.8	37.9	39.6	47.8	55.8	63.8	78.5
27.5°	0.0	16.8	26.2	28.4	33.6	37.9	40.8	49.2	57.4	65.7	83.8
25°	0.0	17.1	26.6	28.4	34.3	37.9	42.0	50.5	58.9	69.1	89.3
22.5°	0.0	17.5	27.0	28.4	35.0	37.9	43.0	51.6	60.3	73.2	99.0
20°	0.0	17.8	27.3	28.4	35.6	37.9	43.9	52.7	61.5	77.3	107.9
17.5°	0.0	18.0	27.5	28.4	36.1	37.9	44.7	53.7	62.6	81.2	116.0
15°	0.0	18.3	27.8	28.4	36.6	37.9	45.4	54.5	63.6	84.8	123.1
12.5°	0.0	18.5	27.9	28.4	37.0	37.9	46.0	55.2	65.2	88.2	129.4
10°	0.0	18.6	28.1	28.4	37.3	37.9	46.5	55.8	67.4	90.9	135.0
7.5°	0.0	18.7	28.2	28.4	37.6	37.9	46.9	56.2	69.6	92.7	140.4
5°	0.0	18.8	28.3	28.4	37.8	37.9	47.2	56.5	71.9	93.9	145.0
2.5°	0.0	18.9	28.4	28.4	37.9	37.9	47.3	56.7	73.9	94.5	148.8
0°	0.0	18.9	28.4	28.4	37.9	37.9	47.4	56.8	75.8	94.7	151.6
-2.5°	0.0	18.9	28.4	28.4	37.9	37.9	47.3	56.7	75.6	96.5	157.6
-5°	0.0	18.8	28.3	28.4	37.8	37.9	47.2	56.5	75.2	97.8	162.1
-7.5°	0.0	18.7	28.2	28.4	37.6	37.9	46.9	56.2	74.4	98.6	165.0
-10°	0.0	18.6	28.1	28.4	37.3	37.9	46.5	55.8	73.4	98.7	165.8
-12.5°	0.0	18.5	27.9	28.4	37.0	37.9	46.0	55.2	72.0	97.8	161.4
-15°	0.0	18.3	27.8	28.4	36.6	37.9	45.4	54.5	70.4	95.0	153.6
-17.5°	0.0	18.0	27.5	28.4	36.1	37.9	44.7	53.7	68.5	91.8	144.1
-20°	0.0	17.8	27.3	28.4	35.6	37.9	43.9	52.7	66.3	88.0	132.8



REPORT NUMBER: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.5	27.0	28.4	35.0	37.9	43.0	51.6	63.8	83.8	119.8
-25°	0.0	17.1	26.6	28.4	34.3	37.7	42.0	50.5	61.0	79.1	104.9
-27.5°	0.0	16.8	26.2	28.4	33.6	37.4	40.8	49.2	58.0	74.6	98.7
-30°	0.0	16.4	25.8	28.4	32.8	37.0	39.6	47.8	55.8	70.9	92.5
-32.5°	0.0	15.9	25.4	28.4	31.8	36.5	38.3	46.2	54.0	66.9	85.8
-35°	0.0	15.5	25.0	28.4	30.8	35.9	37.5	44.6	52.2	62.6	78.7
-37.5°	0.0	15.0	24.5	28.4	29.8	35.0	36.8	42.8	50.2	58.1	72.7
-40°	0.0	14.5	23.9	28.4	28.9	33.8	36.0	41.0	48.1	55.1	67.4
-42.5°	0.0	13.9	23.4	28.4	28.4	32.5	34.9	39.1	45.9	52.6	61.8
-45°	0.0	13.4	22.8	28.4	28.4	31.4	33.6	37.3	43.6	50.0	56.4
-47.5°	0.0	12.8	22.2	28.4	28.4	30.4	32.2	35.5	41.2	47.3	53.4
-50°	0.0	12.1	21.6	27.7	28.4	29.4	31.1	33.5	38.7	44.5	50.3
-52.5°	0.0	11.5	21.0	26.7	28.4	28.5	30.2	31.2	36.1	41.6	47.1
-55°	0.0	10.8	20.3	25.7	28.4	28.4	29.4	28.9	33.4	38.6	43.7
-57.5°	0.0	10.2	19.6	24.7	28.4	28.4	28.8	28.5	30.6	35.5	40.3
-60°	0.0	9.4	18.9	23.6	28.3	28.4	28.4	28.4	28.4	32.3	36.8
-62.5°	0.0	8.7	17.4	22.5	26.9	28.4	28.4	28.4	28.4	29.1	33.2
-65°	0.0	8.0	16.0	21.4	25.4	28.4	28.4	28.3	28.4	28.4	29.5
-67.5°	0.0	7.2	14.4	20.3	23.9	27.5	28.4	28.0	28.4	28.4	28.4
-70°	0.0	6.5	12.9	19.1	22.3	25.5	28.4	27.5	27.2	28.4	28.4
-72.5°	0.0	5.7	11.4	17.0	20.8	23.6	26.4	26.9	25.9	26.2	27.7
-75°	0.0	4.9	9.8	14.6	19.2	21.6	24.0	24.9	24.4	23.7	24.1
-77.5°	0.0	4.1	8.2	12.2	16.3	19.6	21.6	22.6	22.5	21.5	20.3
-80°	0.0	3.3	6.6	9.8	13.1	16.3	19.2	20.4	20.7	20.3	19.1
-82.5°	0.0	2.5	4.9	7.4	9.8	12.2	14.6	17.0	19.0	19.3	18.9
-85°	0.0	1.6	3.3	4.9	6.6	8.2	9.8	11.4	12.9	14.4	16.0
-87.5°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.5	7.2	8.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-A

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°	8.7	9.4	10.2	10.8	11.5	12.1	12.8	13.4	13.9	14.5	15.0
85°	17.4	18.9	19.1	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
82.5°	21.7	21.4	20.5	19.1	18.9	18.9	19.1	20.0	20.4	20.4	19.9
80°	25.2	24.0	22.6	21.9	23.0	24.3	25.5	26.7	26.0	24.3	22.8
77.5°	27.1	26.2	26.3	27.1	28.4	28.4	28.4	28.4	27.8	27.7	28.1
75°	28.0	28.3	29.0	28.8	28.4	28.4	28.7	30.5	31.6	31.7	30.8
72.5°	30.0	31.1	30.9	29.6	30.5	32.8	34.9	37.1	37.1	36.7	38.1
70°	33.8	34.2	33.6	34.1	36.1	37.9	37.9	37.9	38.4	42.2	47.4
67.5°	37.3	36.2	36.6	38.0	37.9	37.9	37.9	42.6	48.5	53.8	57.5
65°	37.8	37.6	39.1	39.4	38.1	41.4	46.8	53.4	59.1	62.1	64.7
62.5°	37.9	40.4	41.8	41.8	43.3	47.9	55.3	61.5	65.9	71.7	77.6
60°	41.1	44.2	44.6	45.4	49.1	57.3	64.7	70.6	77.7	85.5	91.9
57.5°	45.0	46.7	46.5	50.8	59.4	67.1	72.5	79.7	90.1	98.9	106.6
55°	47.7	47.3	50.8	60.3	68.0	72.5	80.8	93.8	104.4	116.6	126.2
52.5°	48.7	49.4	59.4	68.0	73.0	82.2	96.4	111.1	125.8	139.0	152.6
50°	50.2	57.4	67.1	72.5	82.8	99.1	115.4	133.1	152.4	169.3	190.7
47.5°	55.3	64.5	71.2	80.1	99.8	119.4	138.6	163.2	185.6	214.7	245.8
45°	60.9	69.7	75.8	96.7	119.1	142.4	170.4	198.1	230.5	267.4	317.0
42.5°	65.8	74.8	90.7	113.7	141.5	172.0	205.1	240.4	279.0	332.2	396.3
40°	70.8	80.6	107.6	135.6	166.4	205.2	246.6	287.5	336.7	407.1	484.0
37.5°	76.2	96.2	125.6	158.0	197.5	243.0	290.1	346.4	411.5	487.8	571.1
35°	81.8	111.8	146.2	185.0	230.9	284.9	344.5	412.7	498.2	576.1	653.5
32.5°	92.5	127.3	166.6	216.2	271.0	330.8	399.0	496.1	587.5	669.2	725.6
30°	106.0	145.2	189.3	247.7	311.0	385.1	473.1	580.2	676.2	755.5	815.6
27.5°	118.5	163.0	217.3	282.3	352.9	441.7	560.5	664.1	761.7	850.3	925.3
25°	130.1	180.0	245.1	317.0	404.1	515.8	653.3	778.3	857.7	968.9	1173.8
22.5°	142.6	197.1	270.3	350.4	456.0	596.7	762.6	924.2	1056.7	1147.7	1535.9
20°	156.2	218.2	296.3	388.1	510.1	677.7	884.0	1101.7	1329.5	1726.0	2655.5
17.5°	169.3	237.5	324.3	437.7	591.6	787.3	1019.9	1306.0	1656.7	2457.9	4567.6
15°	181.7	255.0	352.1	488.7	683.0	944.7	1262.9	1618.5	2186.5	3578.5	6883.2
12.5°	193.2	270.5	379.3	540.0	779.0	1117.5	1558.9	2145.8	3122.3	5490.9	11407.1
10°	203.8	284.0	405.2	590.2	876.6	1299.5	1881.2	2749.9	4228.6	7606.0	15951.2
7.5°	210.4	293.5	429.9	638.1	972.6	1484.2	2217.1	3401.5	5366.9	9606.4	20317.1
5°	214.7	298.8	456.9	708.1	1105.6	1699.5	2572.2	4068.8	6494.4	11445.8	24344.9
2.5°	217.1	302.0	481.5	778.8	1259.4	1958.3	2997.1	4791.5	7568.7	13187.7	27579.6
0°	217.9	303.1	502.1	843.1	1402.0	2197.7	3391.3	5456.4	8535.2	14730.5	29830.5
-2.5°	231.8	337.3	544.5	890.9	1475.8	2348.6	3677.1	5974.3	9600.7	16463.8	31539.1
-5°	243.7	367.9	580.7	927.8	1528.0	2461.4	3898.3	6369.7	10382.4	17572.1	32034.9
-7.5°	253.0	393.2	610.1	947.2	1534.5	2478.9	3953.2	6453.3	10595.6	17774.0	31269.1
-10°	258.2	398.2	595.9	913.3	1480.8	2415.4	3897.8	6372.3	10494.2	17437.2	29651.3
-12.5°	253.2	386.2	570.2	867.2	1400.7	2298.8	3741.7	6109.6	10038.1	16515.0	27057.2
-15°	244.9	371.2	540.6	808.7	1293.0	2125.2	3475.4	5650.0	9102.9	14557.1	22836.6
-17.5°	233.1	353.5	507.6	737.6	1156.8	1891.2	3065.0	4878.7	7907.7	12773.3	20080.3
-20°	217.5	333.3	471.7	653.7	1005.7	1627.5	2633.0	4244.6	6852.1	10947.7	16979.0



REPORT NUMBER: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	197.9	310.7	438.2	598.7	877.5	1373.5	2195.9	3506.1	5582.9	8790.4	13968.8
-25°	178.4	287.7	408.8	537.7	743.6	1104.3	1721.1	2717.7	4448.8	7230.2	11391.7
-27.5°	160.5	259.7	367.7	476.8	612.3	858.1	1358.4	2169.6	3473.3	5495.8	8638.1
-30°	140.6	223.6	326.1	419.9	530.8	713.0	1037.7	1591.6	2511.6	4144.1	6571.5
-32.5°	118.5	187.5	284.1	372.9	464.3	575.3	761.6	1188.8	1854.9	2845.1	4609.7
-35°	101.1	161.5	242.1	326.3	401.2	486.2	622.3	847.3	1250.7	1986.5	3180.3
-37.5°	92.7	133.9	200.1	280.2	351.1	420.6	487.1	637.3	891.4	1266.2	2150.5
-40°	83.9	104.9	165.8	234.8	304.3	363.7	421.6	487.4	621.6	913.4	1324.8
-42.5°	75.1	94.3	132.8	189.6	256.0	316.8	361.9	406.1	470.0	612.8	896.1
-45°	68.6	83.8	102.3	152.0	204.2	267.9	316.9	349.5	384.6	434.6	573.2
-47.5°	61.9	73.8	90.5	115.8	160.2	209.4	269.6	308.7	333.2	358.0	374.8
-50°	55.9	66.3	79.1	97.4	124.3	159.7	204.0	260.7	296.1	313.4	327.8
-52.5°	52.4	58.5	70.0	84.6	101.7	125.4	153.6	189.8	240.8	281.3	293.8
-55°	48.7	53.7	60.7	72.9	87.6	103.4	120.3	143.8	164.8	210.1	252.1
-57.5°	45.0	49.6	54.1	61.2	73.7	87.6	99.9	111.8	130.3	147.9	171.0
-60°	41.1	45.4	49.6	53.7	59.2	71.5	82.7	93.3	103.8	114.1	130.2
-62.5°	37.2	41.1	45.0	48.7	52.4	57.3	67.4	76.9	84.5	93.4	102.2
-65°	33.2	36.8	40.3	43.7	47.1	50.9	56.2	62.9	71.1	76.9	82.2
-67.5°	29.1	32.3	35.5	38.6	41.4	43.7	47.3	52.1	57.9	62.9	67.6
-70°	28.4	28.4	30.6	33.4	35.5	35.8	37.6	40.4	44.5	48.8	53.0
-72.5°	28.4	28.4	28.4	28.4	30.2	31.2	30.9	29.6	31.7	37.0	41.1
-75°	26.0	28.2	28.4	28.4	27.9	27.8	28.5	28.6	29.0	30.6	33.0
-77.5°	21.7	23.5	25.3	27.0	26.7	25.1	24.3	24.2	25.3	26.7	28.0
-80°	18.9	18.9	20.2	21.6	22.1	21.8	20.8	19.2	18.9	19.4	20.5
-82.5°	18.9	18.9	18.9	18.9	18.9	18.9	19.0	18.9	18.9	18.9	18.9
-85°	17.4	18.9	18.9	18.9	18.9	18.9	18.9	18.9	17.7	16.7	16.0
-87.5°	8.7	9.4	10.2	10.8	11.5	12.1	12.8	13.4	12.2	10.9	9.4
-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: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-A

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°	15.5	14.0	12.3	10.5	8.6	8.8	8.9	9.1	9.2	7.0	4.7
85°	18.9	18.2	17.7	17.3	17.1	15.5	13.7	11.7	9.5	9.4	9.4
82.5°	19.0	18.9	18.9	18.9	18.9	18.4	18.1	17.9	17.9	18.2	18.5
80°	21.8	22.4	23.3	24.1	24.8	25.5	26.1	26.6	27.1	27.5	27.8
77.5°	28.5	28.8	29.7	31.2	33.1	34.2	35.0	35.7	36.3	36.8	37.2
75°	29.2	30.7	35.1	38.7	41.5	43.0	43.9	44.7	45.4	46.0	46.5
72.5°	41.3	45.2	47.8	49.2	50.5	51.6	52.7	53.7	54.5	55.2	55.8
70°	51.4	54.0	55.8	57.4	58.9	60.7	63.4	66.4	69.8	72.0	73.4
67.5°	59.7	61.9	63.8	65.7	68.5	72.2	76.4	79.5	81.9	84.3	87.3
65°	68.2	73.0	77.5	81.6	85.5	88.9	92.1	94.9	97.3	99.7	101.7
62.5°	83.2	88.5	93.4	98.0	102.2	107.1	112.3	117.0	121.1	125.3	130.4
60°	98.0	103.8	109.5	116.3	123.9	132.3	141.4	151.2	161.7	172.3	181.4
57.5°	114.6	120.4	127.2	140.8	153.7	165.8	185.7	214.3	245.3	279.9	340.5
55°	136.3	147.5	157.9	181.6	208.8	235.6	269.2	327.1	392.0	461.6	611.6
52.5°	165.8	191.6	217.1	248.6	293.7	339.0	388.3	474.2	565.3	659.3	849.1
50°	221.8	255.6	298.0	342.5	397.2	453.2	508.8	603.1	697.3	789.0	961.0
47.5°	291.4	339.1	391.3	440.1	501.0	556.3	604.7	679.5	760.1	829.2	940.3
45°	371.5	434.1	490.5	541.2	595.9	643.1	680.2	722.6	783.4	825.0	873.0
42.5°	465.7	528.3	586.3	634.4	677.8	720.2	755.2	784.8	830.2	872.5	909.7
40°	555.3	616.3	668.4	716.3	757.6	798.7	856.7	906.6	961.0	1034.9	1107.8
37.5°	640.6	694.3	743.1	790.6	853.5	924.6	993.7	1074.9	1167.2	1300.2	1433.8
35°	716.5	767.3	814.5	882.2	966.2	1050.2	1154.5	1307.2	1451.9	1616.9	1783.0
32.5°	784.3	843.5	910.8	996.7	1104.8	1307.0	1399.3	1613.3	1742.2	1949.5	2184.5
30°	854.3	953.6	1171.4	1299.7	1577.9	1959.7	2002.8	2222.6	2495.3	2674.0	3184.5
27.5°	1044.3	1313.2	1815.7	2731.1	2919.5	3469.4	4107.7	3833.5	5044.4	4869.9	6588.4
25°	1554.5	2156.8	4110.3	5877.6	6691.2	7393.3	8966.9	9448.6	11630.4	13009.3	13373.2
22.5°	2725.5	5344.8	8173.0	10667.6	12970.2	14850.8	16877.1	19866.2	21207.2	21885.1	22474.7
20°	4908.0	9697.8	14011.4	17586.9	20878.2	24029.8	27746.2	29964.1	31371.3	34277.2	37277.4
17.5°	9524.5	15401.2	20686.4	25169.4	29505.3	34402.6	37515.9	40038.2	43852.2	49054.3	54979.0
15°	14889.6	21829.9	27706.0	33109.3	38628.2	43379.9	46406.4	50315.9	56469.7	64523.7	74651.4
12.5°	20559.2	28247.9	34590.9	40582.1	47375.7	50605.4	54039.6	59751.3	68318.9	79956.1	100616.7
10°	26154.4	34286.3	41064.2	47454.2	52973.0	56259.1	60165.9	66942.6	80301.5	101838.0	132171.6
7.5°	31659.6	40299.3	47074.0	53241.3	57320.5	60230.8	65170.3	74857.4	93417.7	123211.9	170117.1
5°	36941.3	45985.4	52407.1	57710.7	60549.4	63330.4	68983.6	81464.4	106999.2	147668.2	228034.8
2.5°	41529.7	51175.7	57050.1	61317.1	63206.9	65862.9	72161.4	86310.8	116311.4	167057.0	293638.5
0°	45063.0	55720.2	61025.0	64378.5	65723.6	68281.3	74666.1	89491.4	121140.7	173621.1	300786.5
-2.5°	47632.6	59348.3	64544.5	67443.9	68652.0	70821.6	76820.8	90409.4	120054.6	169627.5	279980.8
-5°	48758.6	61579.1	67586.7	70628.5	72056.5	73961.0	79008.0	90869.4	115310.2	153496.9	223546.6
-7.5°	48359.1	62618.6	70219.4	73710.3	75475.9	77361.5	81424.8	90304.3	107719.4	135463.3	178767.1
-10°	46510.1	62546.1	72300.5	76546.4	79085.1	81028.4	83771.5	89050.6	100246.1	120362.3	145696.7
-12.5°	43151.1	60936.4	73827.9	78974.4	82257.8	84600.6	87177.0	91090.7	97352.4	106843.2	125258.8
-15°	38692.8	57081.8	71998.1	79987.7	84333.9	87816.7	90637.9	93145.1	97264.2	103174.8	111452.0
-17.5°	33285.2	50871.3	67731.0	80080.6	85555.6	89716.9	92804.5	95778.0	98372.5	102263.3	106109.2
-20°	26306.0	43154.4	61215.3	75529.1	84600.3	89735.7	93787.3	96696.0	99363.3	101837.2	104408.4



REPORT NUMBER: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21575.6	34688.7	51441.7	68834.9	80096.8	87507.0	92524.9	95660.8	98614.3	100423.1	102408.9
-25°	17332.8	25722.3	40772.4	56653.9	71584.9	81934.1	88611.4	92863.7	95507.3	97607.8	99105.9
-27.5°	13552.5	20434.3	29672.5	44160.7	58553.2	71228.7	80237.4	88062.4	90806.4	93405.9	94742.7
-30°	9889.9	15288.5	22638.0	31583.6	43970.7	55447.7	66459.1	75222.4	82083.2	87131.7	89039.7
-32.5°	7288.7	10754.3	16296.6	23119.8	29687.9	39645.2	49195.8	58191.4	66466.7	73252.2	78083.0
-35°	4971.7	7553.3	10650.4	15846.8	20981.0	26586.1	32669.9	40428.1	46940.4	54394.4	60788.3
-37.5°	3361.0	5029.8	7390.1	10204.6	14264.4	18079.6	22230.0	26352.5	30168.8	36190.7	41496.8
-40°	2193.5	3243.7	4897.3	6827.9	9427.1	11875.4	14956.6	17587.9	20354.7	23619.4	26413.0
-42.5°	1303.7	2074.6	3017.1	4415.1	5981.4	7689.5	9700.9	11589.0	13467.5	15428.8	17177.3
-45°	793.8	1215.2	1765.0	2642.2	3511.7	4724.4	5918.8	7015.3	8433.9	9687.2	10707.3
-47.5°	507.5	662.1	1005.0	1433.4	1943.9	2681.9	3402.0	4131.8	5026.8	5825.8	6462.4
-50°	353.2	417.5	557.9	700.9	1008.8	1367.6	1713.9	2161.9	2702.1	3193.3	3580.8
-52.5°	304.5	327.4	355.4	408.3	534.2	658.9	781.3	1035.2	1293.7	1525.4	1707.5
-55°	274.2	282.9	290.8	314.7	344.1	374.3	417.4	514.1	607.3	695.2	758.7
-57.5°	207.1	237.8	258.8	268.5	278.7	289.3	310.2	335.2	356.8	374.5	385.0
-60°	145.5	159.9	186.6	211.1	231.3	247.1	260.4	274.3	287.2	296.6	296.5
-62.5°	110.6	121.6	135.8	149.8	163.0	178.1	195.5	212.2	228.0	239.6	243.3
-65°	88.2	95.3	103.4	112.1	121.4	132.3	141.2	150.0	158.5	164.7	167.6
-67.5°	72.1	76.4	80.4	84.1	89.5	96.0	101.6	106.6	110.9	114.6	117.7
-70°	57.0	60.7	64.3	67.5	70.5	73.3	75.8	78.0	79.9	81.5	82.9
-72.5°	44.2	46.2	48.1	51.0	53.6	55.9	58.1	60.0	61.7	63.1	64.2
-75°	36.1	38.3	39.6	40.8	42.0	43.0	43.9	44.7	45.4	46.0	46.5
-77.5°	29.2	29.0	28.6	28.7	29.1	30.6	32.1	33.4	34.6	35.6	36.4
-80°	21.5	21.7	21.2	20.4	19.1	18.3	17.8	17.6	17.6	18.0	18.3
-82.5°	18.9	17.9	17.1	16.6	16.3	15.1	13.5	11.6	9.6	9.3	9.3
-85°	15.5	14.4	13.0	11.4	9.6	9.5	9.5	9.5	9.5	7.2	4.8
-87.5°	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.1	9.2	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: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-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°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.7	7.0	9.2	9.1
85°	9.4	9.4	9.5	9.5	9.5	9.4	9.4	9.4	9.4	9.5	11.7
82.5°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.2	17.9	17.9
80°	28.1	28.3	28.4	28.4	28.4	28.3	28.1	27.8	27.5	27.1	26.6
77.5°	37.5	37.7	37.9	37.9	37.9	37.7	37.5	37.2	36.8	36.3	35.7
75°	46.9	47.2	47.3	47.3	47.3	47.2	46.9	46.5	46.0	45.4	44.7
72.5°	56.2	56.5	56.7	56.7	56.7	56.5	56.2	55.8	55.2	54.5	53.7
70°	74.4	75.2	75.6	75.6	75.6	75.2	74.4	73.4	72.0	69.8	66.4
67.5°	90.5	93.6	94.5	94.7	94.5	93.6	90.5	87.3	84.3	81.9	79.5
65°	103.1	103.8	104.1	104.2	104.1	103.8	103.1	101.7	99.7	97.3	94.9
62.5°	135.3	139.8	141.7	142.1	141.7	139.8	135.3	130.4	125.3	121.1	117.0
60°	189.0	195.3	202.2	208.4	202.2	195.3	189.0	181.4	172.3	161.7	151.2
57.5°	407.9	477.6	533.9	577.9	533.9	477.6	407.9	340.5	279.9	245.3	214.3
55°	778.3	949.8	1072.3	1155.7	1072.3	949.8	778.3	611.6	461.6	392.0	327.1
52.5°	1067.9	1287.7	1432.1	1515.7	1432.1	1287.7	1067.9	849.1	659.3	565.3	474.2
50°	1178.0	1392.9	1527.9	1591.5	1527.9	1392.9	1178.0	961.0	789.0	697.3	603.1
47.5°	1095.6	1241.0	1344.6	1411.5	1344.6	1241.0	1095.6	940.3	829.2	760.1	679.5
45°	956.0	1025.0	1068.6	1089.4	1068.6	1025.0	956.0	873.0	825.0	783.4	722.6
42.5°	971.1	1017.6	1042.5	1042.0	1042.5	1017.6	971.1	909.7	872.5	830.2	784.8
40°	1198.1	1280.7	1339.4	1354.6	1339.4	1280.7	1198.1	1107.8	1034.9	961.0	906.6
37.5°	1546.6	1627.1	1674.9	1676.7	1674.9	1627.1	1546.6	1433.8	1300.2	1167.2	1074.9
35°	1920.6	2018.2	2086.4	2074.6	2086.4	2018.2	1920.6	1783.0	1616.9	1451.9	1307.2
32.5°	2335.4	2450.8	2532.9	2548.2	2532.9	2450.8	2335.4	2184.5	1949.5	1742.2	1613.3
30°	3392.2	3575.1	3623.7	3609.2	3623.7	3575.1	3392.2	3184.5	2674.0	2495.3	2222.6
27.5°	7299.1	7631.8	7487.1	7550.0	7487.1	7631.8	7299.1	6588.4	4869.9	5044.4	3833.5
25°	13214.9	12667.0	11976.6	11462.3	11976.6	12667.0	13214.9	13373.2	13009.3	11630.4	9448.6
22.5°	24149.0	24953.9	25572.1	25624.5	25572.1	24953.9	24149.0	22474.7	21885.1	21207.2	19866.2
20°	41207.2	43986.4	45996.3	46986.1	45996.3	43986.4	41207.2	37277.4	34277.2	31371.3	29964.1
17.5°	62240.6	68690.9	72699.3	75281.9	72699.3	68690.9	62240.6	54979.0	49054.3	43852.2	40038.2
15°	88166.8	101283.6	108727.9	109811.0	108727.9	101283.6	88166.8	74651.4	64523.7	56469.7	50315.9
12.5°	121680.4	144473.6	161988.8	167392.6	161988.8	144473.6	121680.4	100616.7	79956.1	68318.9	59751.3
10°	170489.6	225904.0	303024.1	320651.4	303024.1	225904.0	170489.6	132171.6	101838.0	80301.5	66942.6
7.5°	278911.2	485743.2	704927.5	758384.3	704927.5	485743.2	278911.2	170117.1	123211.9	93417.7	74857.4
5°	466453.8	850139.4	#####	#####	#####	850139.4	466453.8	228034.8	147668.2	106999.2	81464.4
2.5°	639550.3	978605.2	#####	#####	#####	978605.2	639550.3	293638.5	167057.0	116311.4	86310.8
0°	643855.8	950179.3	#####	#####	#####	950179.3	643855.8	300786.5	173621.1	121140.7	89491.4
-2.5°	526441.8	796089.2	970201.8	#####	970201.8	796089.2	526441.8	279980.8	169627.5	120054.6	90409.4
-5°	354579.5	561972.3	715160.8	781588.4	715160.8	561972.3	354579.5	223546.6	153496.9	115310.2	90869.4
-7.5°	244922.1	339120.5	444135.2	473067.2	444135.2	339120.5	244922.1	178767.1	135463.3	107719.4	90304.3
-10°	180601.7	216255.0	253285.3	261587.3	253285.3	216255.0	180601.7	145696.7	120362.3	100246.1	89050.6
-12.5°	143471.4	162800.3	179078.9	181573.6	179078.9	162800.3	143471.4	125258.8	106843.2	97352.4	91090.7
-15°	122849.3	133689.6	140863.3	145012.6	140863.3	133689.6	122849.3	111452.0	103174.8	97264.2	93145.1
-17.5°	112104.3	117074.9	120531.2	123158.4	120531.2	117074.9	112104.3	106109.2	102263.3	98372.5	95778.0
-20°	107235.4	109799.4	112276.4	114083.3	112276.4	109799.4	107235.4	104408.4	101837.2	99363.3	96696.0



REPORT NUMBER: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	104076.6	105842.5	107384.7	109100.5	107384.7	105842.5	104076.6	102408.9	100423.1	98614.3	95660.8
-25°	100328.1	101657.3	102820.4	103985.1	102820.4	101657.3	100328.1	99105.9	97607.8	95507.3	92863.7
-27.5°	95724.7	96658.8	97344.4	98168.6	97344.4	96658.8	95724.7	94742.7	93405.9	90806.4	88062.4
-30°	90392.8	91303.7	91743.1	92428.0	91743.1	91303.7	90392.8	89039.7	87131.7	82083.2	75222.4
-32.5°	81542.2	83746.2	85122.6	86374.8	85122.6	83746.2	81542.2	78083.0	73252.2	66466.7	58191.4
-35°	65193.9	67736.3	69286.6	70914.8	69286.6	67736.3	65193.9	60788.3	54394.4	46940.4	40428.1
-37.5°	44978.4	46859.8	47897.0	49079.6	47897.0	46859.8	44978.4	41496.8	36190.7	30168.8	26352.5
-40°	28143.4	29245.8	29756.9	29631.5	29756.9	29245.8	28143.4	26413.0	23619.4	20354.7	17587.9
-42.5°	18357.1	19117.7	19679.8	20262.7	19679.8	19117.7	18357.1	17177.3	15428.8	13467.5	11589.0
-45°	11548.5	12213.5	12609.3	12674.9	12609.3	12213.5	11548.5	10707.3	9687.2	8433.9	7015.3
-47.5°	6912.0	7233.9	7506.4	7739.4	7506.4	7233.9	6912.0	6462.4	5825.8	5026.8	4131.8
-50°	3863.9	4065.2	4230.8	4357.6	4230.8	4065.2	3863.9	3580.8	3193.3	2702.1	2161.9
-52.5°	1852.1	1962.0	2050.8	2112.5	2050.8	1962.0	1852.1	1707.5	1525.4	1293.7	1035.2
-55°	807.9	843.2	871.6	890.5	871.6	843.2	807.9	758.7	695.2	607.3	514.1
-57.5°	394.0	401.1	398.1	388.4	398.1	401.1	394.0	385.0	374.5	356.8	335.2
-60°	295.2	292.8	293.1	293.7	293.1	292.8	295.2	296.5	296.6	287.2	274.3
-62.5°	244.7	244.0	245.4	246.3	245.4	244.0	244.7	243.3	239.6	228.0	212.2
-65°	169.0	169.0	170.0	170.5	170.0	169.0	169.0	167.6	164.7	158.5	150.0
-67.5°	120.0	121.7	122.8	123.1	122.8	121.7	120.0	117.7	114.6	110.9	106.6
-70°	83.9	84.7	89.5	94.7	89.5	84.7	83.9	82.9	81.5	79.9	78.0
-72.5°	65.1	65.8	66.2	66.3	66.2	65.8	65.1	64.2	63.1	61.7	60.0
-75°	46.9	47.2	47.3	47.4	47.3	47.2	46.9	46.5	46.0	45.4	44.7
-77.5°	37.1	37.5	37.8	37.9	37.8	37.5	37.1	36.4	35.6	34.6	33.4
-80°	18.6	18.8	23.5	28.4	23.5	18.8	18.6	18.3	18.0	17.6	17.6
-82.5°	9.3	9.4	9.5	9.5	9.5	9.4	9.3	9.3	9.3	9.6	11.6
-85°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.8	7.2	9.5	9.5
-87.5°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.7	7.0	9.2	9.1
-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: P1306504 (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°	8.9	8.8	8.6	10.5	12.3	14.0	15.5	15.0	14.5	13.9	13.4
85°	13.7	15.5	17.1	17.3	17.7	18.2	18.9	18.9	18.9	18.9	18.9
82.5°	18.1	18.4	18.9	18.9	18.9	18.9	19.0	19.9	20.4	20.4	20.0
80°	26.1	25.5	24.8	24.1	23.3	22.4	21.8	22.8	24.3	26.0	26.7
77.5°	35.0	34.2	33.1	31.2	29.7	28.8	28.5	28.1	27.7	27.8	28.4
75°	43.9	43.0	41.5	38.7	35.1	30.7	29.2	30.8	31.7	31.6	30.5
72.5°	52.7	51.6	50.5	49.2	47.8	45.2	41.3	38.1	36.7	37.1	37.1
70°	63.4	60.7	58.9	57.4	55.8	54.0	51.4	47.4	42.2	38.4	37.9
67.5°	76.4	72.2	68.5	65.7	63.8	61.9	59.7	57.5	53.8	48.5	42.6
65°	92.1	88.9	85.5	81.6	77.5	73.0	68.2	64.7	62.1	59.1	53.4
62.5°	112.3	107.1	102.2	98.0	93.4	88.5	83.2	77.6	71.7	65.9	61.5
60°	141.4	132.3	123.9	116.3	109.5	103.8	98.0	91.9	85.5	77.7	70.6
57.5°	185.7	165.8	153.7	140.8	127.2	120.4	114.6	106.6	98.9	90.1	79.7
55°	269.2	235.6	208.8	181.6	157.9	147.5	136.3	126.2	116.6	104.4	93.8
52.5°	388.3	339.0	293.7	248.6	217.1	191.6	165.8	152.6	139.0	125.8	111.1
50°	508.8	453.2	397.2	342.5	298.0	255.6	221.8	190.7	169.3	152.4	133.1
47.5°	604.7	556.3	501.0	440.1	391.3	339.1	291.4	245.8	214.7	185.6	163.2
45°	680.2	643.1	595.9	541.2	490.5	434.1	371.5	317.0	267.4	230.5	198.1
42.5°	755.2	720.2	677.8	634.4	586.3	528.3	465.7	396.3	332.2	279.0	240.4
40°	856.7	798.7	757.6	716.3	668.4	616.3	555.3	484.0	407.1	336.7	287.5
37.5°	993.7	924.6	853.5	790.6	743.1	694.3	640.6	571.1	487.8	411.5	346.4
35°	1154.5	1050.2	966.2	882.2	814.5	767.3	716.5	653.5	576.1	498.2	412.7
32.5°	1399.3	1307.0	1104.8	996.7	910.8	843.5	784.3	725.6	669.2	587.5	496.1
30°	2002.8	1959.7	1577.9	1299.7	1171.4	953.6	854.3	815.6	755.5	676.2	580.2
27.5°	4107.7	3469.4	2919.5	2731.1	1815.7	1313.2	1044.3	925.3	850.3	761.7	664.1
25°	8966.9	7393.3	6691.2	5877.6	4110.3	2156.8	1554.5	1173.8	968.9	857.7	778.3
22.5°	16877.1	14850.8	12970.2	10667.6	8173.0	5344.8	2725.5	1535.9	1147.7	1056.7	924.2
20°	27746.2	24029.8	20878.2	17586.9	14011.4	9697.8	4908.0	2655.5	1726.0	1329.5	1101.7
17.5°	37515.9	34402.6	29505.3	25169.4	20686.4	15401.2	9524.5	4567.6	2457.9	1656.7	1306.0
15°	46406.4	43379.9	38628.2	33109.3	27706.0	21829.9	14889.6	6883.2	3578.5	2186.5	1618.5
12.5°	54039.6	50605.4	47375.7	40582.1	34590.9	28247.9	20559.2	11407.1	5490.9	3122.3	2145.8
10°	60165.9	56259.1	52973.0	47454.2	41064.2	34286.3	26154.4	15951.2	7606.0	4228.6	2749.9
7.5°	65170.3	60230.8	57320.5	53241.3	47074.0	40299.3	31659.6	20317.1	9606.4	5366.9	3401.5
5°	68983.6	63330.4	60549.4	57710.7	52407.1	45985.4	36941.3	24344.9	11445.8	6494.4	4068.8
2.5°	72161.4	65862.9	63206.9	61317.1	57050.1	51175.7	41529.7	27579.6	13187.7	7568.7	4791.5
0°	74666.1	68281.3	65723.6	64378.5	61025.0	55720.2	45063.0	29830.5	14730.5	8535.2	5456.4
-2.5°	76820.8	70821.6	68652.0	67443.9	64544.5	59348.3	47632.6	31539.1	16463.8	9600.7	5974.3
-5°	79008.0	73961.0	72056.5	70628.5	67586.7	61579.1	48758.6	32034.9	17572.1	10382.4	6369.7
-7.5°	81424.8	77361.5	75475.9	73710.3	70219.4	62618.6	48359.1	31269.1	17774.0	10595.6	6453.3
-10°	83771.5	81028.4	79085.1	76546.4	72300.5	62546.1	46510.1	29651.3	17437.2	10494.2	6372.3
-12.5°	87177.0	84600.6	82257.8	78974.4	73827.9	60936.4	43151.1	27057.2	16515.0	10038.1	6109.6
-15°	90637.9	87816.7	84333.9	79987.7	71998.1	57081.8	38692.8	22836.6	14557.1	9102.9	5650.0
-17.5°	92804.5	89716.9	85555.6	80080.6	67731.0	50871.3	33285.2	20080.3	12773.3	7907.7	4878.7
-20°	93787.3	89735.7	84600.3	75529.1	61215.3	43154.4	26306.0	16979.0	10947.7	6852.1	4244.6



REPORT NUMBER: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	92524.9	87507.0	80096.8	68834.9	51441.7	34688.7	21575.6	13968.8	8790.4	5582.9	3506.1
-25°	88611.4	81934.1	71584.9	56653.9	40772.4	25722.3	17332.8	11391.7	7230.2	4448.8	2717.7
-27.5°	80237.4	71228.7	58553.2	44160.7	29672.5	20434.3	13552.5	8638.1	5495.8	3473.3	2169.6
-30°	66459.1	55447.7	43970.7	31583.6	22638.0	15288.5	9889.9	6571.5	4144.1	2511.6	1591.6
-32.5°	49195.8	39645.2	29687.9	23119.8	16296.6	10754.3	7288.7	4609.7	2845.1	1854.9	1188.8
-35°	32669.9	26586.1	20981.0	15846.8	10650.4	7553.3	4971.7	3180.3	1986.5	1250.7	847.3
-37.5°	22230.0	18079.6	14264.4	10204.6	7390.1	5029.8	3361.0	2150.5	1266.2	891.4	637.3
-40°	14956.6	11875.4	9427.1	6827.9	4897.3	3243.7	2193.5	1324.8	913.4	621.6	487.4
-42.5°	9700.9	7689.5	5981.4	4415.1	3017.1	2074.6	1303.7	896.1	612.8	470.0	406.1
-45°	5918.8	4724.4	3511.7	2642.2	1765.0	1215.2	793.8	573.2	434.6	384.6	349.5
-47.5°	3402.0	2681.9	1943.9	1433.4	1005.0	662.1	507.5	374.8	358.0	333.2	308.7
-50°	1713.9	1367.6	1008.8	700.9	557.9	417.5	353.2	327.8	313.4	296.1	260.7
-52.5°	781.3	658.9	534.2	408.3	355.4	327.4	304.5	293.8	281.3	240.8	189.8
-55°	417.4	374.3	344.1	314.7	290.8	282.9	274.2	252.1	210.1	164.8	143.8
-57.5°	310.2	289.3	278.7	268.5	258.8	237.8	207.1	171.0	147.9	130.3	111.8
-60°	260.4	247.1	231.3	211.1	186.6	159.9	145.5	130.2	114.1	103.8	93.3
-62.5°	195.5	178.1	163.0	149.8	135.8	121.6	110.6	102.2	93.4	84.5	76.9
-65°	141.2	132.3	121.4	112.1	103.4	95.3	88.2	82.2	76.9	71.1	62.9
-67.5°	101.6	96.0	89.5	84.1	80.4	76.4	72.1	67.6	62.9	57.9	52.1
-70°	75.8	73.3	70.5	67.5	64.3	60.7	57.0	53.0	48.8	44.5	40.4
-72.5°	58.1	55.9	53.6	51.0	48.1	46.2	44.2	41.1	37.0	31.7	29.6
-75°	43.9	43.0	42.0	40.8	39.6	38.3	36.1	33.0	30.6	29.0	28.6
-77.5°	32.1	30.6	29.1	28.7	28.6	29.0	29.2	28.0	26.7	25.3	24.2
-80°	17.8	18.3	19.1	20.4	21.2	21.7	21.5	20.5	19.4	18.9	19.2
-82.5°	13.5	15.1	16.3	16.6	17.1	17.9	18.9	18.9	18.9	18.9	18.9
-85°	9.5	9.5	9.6	11.4	13.0	14.4	15.5	16.0	16.7	17.7	18.9
-87.5°	8.9	8.8	8.6	8.4	8.2	8.0	7.8	9.4	10.9	12.2	13.4
-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: P1306504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3L-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°	12.8	12.1	11.5	10.8	10.2	9.4	8.7	8.0	7.2	6.5	5.7
85°	18.9	18.9	18.9	18.9	19.1	18.9	17.4	16.0	14.4	12.9	11.4
82.5°	19.1	18.9	18.9	19.1	20.5	21.4	21.7	21.4	20.3	19.1	17.0
80°	25.5	24.3	23.0	21.9	22.6	24.0	25.2	25.4	23.9	22.3	20.8
77.5°	28.4	28.4	28.4	27.1	26.3	26.2	27.1	28.4	27.5	25.5	23.6
75°	28.7	28.4	28.4	28.8	29.0	28.3	28.0	28.4	28.4	28.4	26.4
72.5°	34.9	32.8	30.5	29.6	30.9	31.1	30.0	28.4	28.4	28.4	28.4
70°	37.9	37.9	36.1	34.1	33.6	34.2	33.8	31.5	28.5	28.4	28.4
67.5°	37.9	37.9	37.9	38.0	36.6	36.2	37.3	35.3	31.9	28.5	28.4
65°	46.8	41.4	38.1	39.4	39.1	37.6	37.8	37.9	35.3	31.5	28.4
62.5°	55.3	47.9	43.3	41.8	41.8	40.4	37.9	37.9	37.9	34.4	30.2
60°	64.7	57.3	49.1	45.4	44.6	44.2	41.1	37.9	37.9	37.3	32.8
57.5°	72.5	67.1	59.4	50.8	46.5	46.7	45.0	40.3	37.9	37.9	35.2
55°	80.8	72.5	68.0	60.3	50.8	47.3	47.7	43.7	38.6	37.9	37.6
52.5°	96.4	82.2	73.0	68.0	59.4	49.4	48.7	47.1	41.6	37.9	37.9
50°	115.4	99.1	82.8	72.5	67.1	57.4	50.2	48.9	44.5	38.7	37.9
47.5°	138.6	119.4	99.8	80.1	71.2	64.5	55.3	51.0	47.3	41.2	37.9
45°	170.4	142.4	119.1	96.7	75.8	69.7	60.9	53.5	49.7	43.6	37.9
42.5°	205.1	172.0	141.5	113.7	90.7	74.8	65.8	57.6	52.3	45.9	39.1
40°	246.6	205.2	166.4	135.6	107.6	80.6	70.8	61.4	55.1	48.1	41.0
37.5°	290.1	243.0	197.5	158.0	125.6	96.2	76.2	64.6	57.5	50.2	42.8
35°	344.5	284.9	230.9	185.0	146.2	111.8	81.8	68.2	59.7	52.2	44.6
32.5°	399.0	330.8	271.0	216.2	166.6	127.3	92.5	73.3	61.9	54.0	46.2
30°	473.1	385.1	311.0	247.7	189.3	145.2	106.0	78.5	63.8	55.8	47.8
27.5°	560.5	441.7	352.9	282.3	217.3	163.0	118.5	83.8	65.7	57.4	49.2
25°	653.3	515.8	404.1	317.0	245.1	180.0	130.1	89.3	69.1	58.9	50.5
22.5°	762.6	596.7	456.0	350.4	270.3	197.1	142.6	99.0	73.2	60.3	51.6
20°	884.0	677.7	510.1	388.1	296.3	218.2	156.2	107.9	77.3	61.5	52.7
17.5°	1019.9	787.3	591.6	437.7	324.3	237.5	169.3	116.0	81.2	62.6	53.7
15°	1262.9	944.7	683.0	488.7	352.1	255.0	181.7	123.1	84.8	63.6	54.5
12.5°	1558.9	1117.5	779.0	540.0	379.3	270.5	193.2	129.4	88.2	65.2	55.2
10°	1881.2	1299.5	876.6	590.2	405.2	284.0	203.8	135.0	90.9	67.4	55.8
7.5°	2217.1	1484.2	972.6	638.1	429.9	293.5	210.4	140.4	92.7	69.6	56.2
5°	2572.2	1699.5	1105.6	708.1	456.9	298.8	214.7	145.0	93.9	71.9	56.5
2.5°	2997.1	1958.3	1259.4	778.8	481.5	302.0	217.1	148.8	94.5	73.9	56.7
0°	3391.3	2197.7	1402.0	843.1	502.1	303.1	217.9	151.6	94.7	75.8	56.8
-2.5°	3677.1	2348.6	1475.8	890.9	544.5	337.3	231.8	157.6	96.5	75.6	56.7
-5°	3898.3	2461.4	1528.0	927.8	580.7	367.9	243.7	162.1	97.8	75.2	56.5
-7.5°	3953.2	2478.9	1534.5	947.2	610.1	393.2	253.0	165.0	98.6	74.4	56.2
-10°	3897.8	2415.4	1480.8	913.3	595.9	398.2	258.2	165.8	98.7	73.4	55.8
-12.5°	3741.7	2298.8	1400.7	867.2	570.2	386.2	253.2	161.4	97.8	72.0	55.2
-15°	3475.4	2125.2	1293.0	808.7	540.6	371.2	244.9	153.6	95.0	70.4	54.5
-17.5°	3065.0	1891.2	1156.8	737.6	507.6	353.5	233.1	144.1	91.8	68.5	53.7
-20°	2633.0	1627.5	1005.7	653.7	471.7	333.3	217.5	132.8	88.0	66.3	52.7



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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°	2195.9	1373.5	877.5	598.7	438.2	310.7	197.9	119.8	83.8	63.8	51.6
-25°	1721.1	1104.3	743.6	537.7	408.8	287.7	178.4	104.9	79.1	61.0	50.5
-27.5°	1358.4	858.1	612.3	476.8	367.7	259.7	160.5	98.7	74.6	58.0	49.2
-30°	1037.7	713.0	530.8	419.9	326.1	223.6	140.6	92.5	70.9	55.8	47.8
-32.5°	761.6	575.3	464.3	372.9	284.1	187.5	118.5	85.8	66.9	54.0	46.2
-35°	622.3	486.2	401.2	326.3	242.1	161.5	101.1	78.7	62.6	52.2	44.6
-37.5°	487.1	420.6	351.1	280.2	200.1	133.9	92.7	72.7	58.1	50.2	42.8
-40°	421.6	363.7	304.3	234.8	165.8	104.9	83.9	67.4	55.1	48.1	41.0
-42.5°	361.9	316.8	256.0	189.6	132.8	94.3	75.1	61.8	52.6	45.9	39.1
-45°	316.9	267.9	204.2	152.0	102.3	83.8	68.6	56.4	50.0	43.6	37.3
-47.5°	269.6	209.4	160.2	115.8	90.5	73.8	61.9	53.4	47.3	41.2	35.5
-50°	204.0	159.7	124.3	97.4	79.1	66.3	55.9	50.3	44.5	38.7	33.5
-52.5°	153.6	125.4	101.7	84.6	70.0	58.5	52.4	47.1	41.6	36.1	31.2
-55°	120.3	103.4	87.6	72.9	60.7	53.7	48.7	43.7	38.6	33.4	28.9
-57.5°	99.9	87.6	73.7	61.2	54.1	49.6	45.0	40.3	35.5	30.6	28.5
-60°	82.7	71.5	59.2	53.7	49.6	45.4	41.1	36.8	32.3	28.4	28.4
-62.5°	67.4	57.3	52.4	48.7	45.0	41.1	37.2	33.2	29.1	28.4	28.4
-65°	56.2	50.9	47.1	43.7	40.3	36.8	33.2	29.5	28.4	28.4	28.3
-67.5°	47.3	43.7	41.4	38.6	35.5	32.3	29.1	28.4	28.4	28.4	28.0
-70°	37.6	35.8	35.5	33.4	30.6	28.4	28.4	28.4	28.4	27.2	27.5
-72.5°	30.9	31.2	30.2	28.4	28.4	28.4	28.4	27.7	26.2	25.9	26.9
-75°	28.5	27.8	27.9	28.4	28.4	28.2	26.0	24.1	23.7	24.4	24.9
-77.5°	24.3	25.1	26.7	27.0	25.3	23.5	21.7	20.3	21.5	22.5	22.6
-80°	20.8	21.8	22.1	21.6	20.2	18.9	18.9	19.1	20.3	20.7	20.4
-82.5°	19.0	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.3	19.0	17.0
-85°	18.9	18.9	18.9	18.9	18.9	18.9	17.4	16.0	14.4	12.9	11.4
-87.5°	12.8	12.1	11.5	10.8	10.2	9.4	8.7	8.0	7.2	6.5	5.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
85°	9.8	8.2	6.6	4.9	3.3	1.6	0.0
82.5°	14.6	12.2	9.8	7.4	4.9	2.5	0.0
80°	19.2	16.3	13.1	9.8	6.6	3.3	0.0
77.5°	21.6	19.6	16.3	12.2	8.2	4.1	0.0
75°	24.0	21.6	19.2	14.6	9.8	4.9	0.0
72.5°	26.4	23.6	20.8	17.0	11.4	5.7	0.0
70°	28.4	25.5	22.3	19.1	12.9	6.5	0.0
67.5°	28.4	27.5	23.9	20.3	14.4	7.2	0.0
65°	28.4	28.4	25.4	21.4	16.0	8.0	0.0
62.5°	28.4	28.4	26.9	22.5	17.4	8.7	0.0
60°	28.4	28.4	28.3	23.6	18.9	9.4	0.0
57.5°	30.3	28.4	28.4	24.7	19.6	10.2	0.0
55°	32.3	28.4	28.4	25.7	20.3	10.8	0.0
52.5°	34.3	28.7	28.4	26.7	21.0	11.5	0.0
50°	36.3	30.3	28.4	27.7	21.6	12.1	0.0
47.5°	37.9	31.9	28.4	28.4	22.2	12.8	0.0
45°	37.9	33.4	28.4	28.4	22.8	13.4	0.0
42.5°	37.9	34.8	28.4	28.4	23.4	13.9	0.0
40°	37.9	36.2	28.9	28.4	23.9	14.5	0.0
37.5°	37.9	37.5	30.0	28.4	24.5	15.0	0.0
35°	37.9	37.9	31.0	28.4	25.0	15.5	0.0
32.5°	38.3	37.9	31.9	28.4	25.4	15.9	0.0
30°	39.6	37.9	32.8	28.4	25.8	16.4	0.0
27.5°	40.8	37.9	33.6	28.4	26.2	16.8	0.0
25°	42.0	37.9	34.3	28.4	26.6	17.1	0.0
22.5°	43.0	37.9	35.0	28.4	27.0	17.5	0.0
20°	43.9	37.9	35.6	28.4	27.3	17.8	0.0
17.5°	44.7	37.9	36.1	28.4	27.5	18.0	0.0
15°	45.4	37.9	36.6	28.4	27.8	18.3	0.0
12.5°	46.0	37.9	37.0	28.4	27.9	18.5	0.0
10°	46.5	37.9	37.3	28.4	28.1	18.6	0.0
7.5°	46.9	37.9	37.6	28.4	28.2	18.7	0.0
5°	47.2	37.9	37.8	28.4	28.3	18.8	0.0
2.5°	47.3	37.9	37.9	28.4	28.4	18.9	0.0
0°	47.4	37.9	37.9	28.4	28.4	18.9	0.0
-2.5°	47.3	37.9	37.9	28.4	28.4	18.9	0.0
-5°	47.2	37.9	37.8	28.4	28.3	18.8	0.0
-7.5°	46.9	37.9	37.6	28.4	28.2	18.7	0.0
-10°	46.5	37.9	37.3	28.4	28.1	18.6	0.0
-12.5°	46.0	37.9	37.0	28.4	27.9	18.5	0.0
-15°	45.4	37.9	36.6	28.4	27.8	18.3	0.0
-17.5°	44.7	37.9	36.1	28.4	27.5	18.0	0.0
-20°	43.9	37.9	35.6	28.4	27.3	17.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	43.0	37.9	35.0	28.4	27.0	17.5	0.0
-25°	42.0	37.7	34.3	28.4	26.6	17.1	0.0
-27.5°	40.8	37.4	33.6	28.4	26.2	16.8	0.0
-30°	39.6	37.0	32.8	28.4	25.8	16.4	0.0
-32.5°	38.3	36.5	31.8	28.4	25.4	15.9	0.0
-35°	37.5	35.9	30.8	28.4	25.0	15.5	0.0
-37.5°	36.8	35.0	29.8	28.4	24.5	15.0	0.0
-40°	36.0	33.8	28.9	28.4	23.9	14.5	0.0
-42.5°	34.9	32.5	28.4	28.4	23.4	13.9	0.0
-45°	33.6	31.4	28.4	28.4	22.8	13.4	0.0
-47.5°	32.2	30.4	28.4	28.4	22.2	12.8	0.0
-50°	31.1	29.4	28.4	27.7	21.6	12.1	0.0
-52.5°	30.2	28.5	28.4	26.7	21.0	11.5	0.0
-55°	29.4	28.4	28.4	25.7	20.3	10.8	0.0
-57.5°	28.8	28.4	28.4	24.7	19.6	10.2	0.0
-60°	28.4	28.4	28.3	23.6	18.9	9.4	0.0
-62.5°	28.4	28.4	26.9	22.5	17.4	8.7	0.0
-65°	28.4	28.4	25.4	21.4	16.0	8.0	0.0
-67.5°	28.4	27.5	23.9	20.3	14.4	7.2	0.0
-70°	28.4	25.5	22.3	19.1	12.9	6.5	0.0
-72.5°	26.4	23.6	20.8	17.0	11.4	5.7	0.0
-75°	24.0	21.6	19.2	14.6	9.8	4.9	0.0
-77.5°	21.6	19.6	16.3	12.2	8.2	4.1	0.0
-80°	19.2	16.3	13.1	9.8	6.6	3.3	0.0
-82.5°	14.6	12.2	9.8	7.4	4.9	2.5	0.0
-85°	9.8	8.2	6.6	4.9	3.3	1.6	0.0
-87.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)