

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: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-1R-S**

Issue Date: 8/10/2023

Test Information

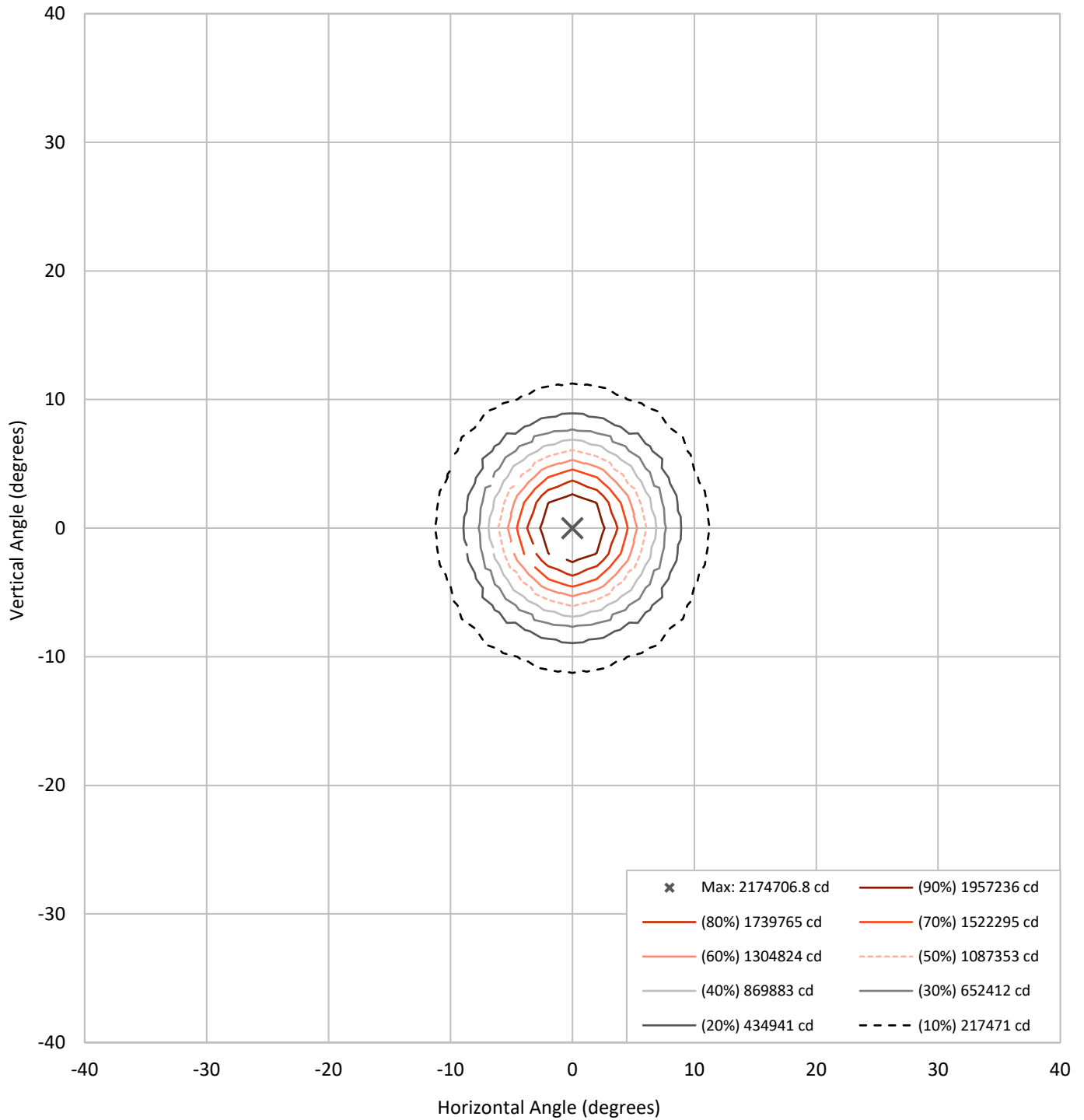
Test Method: LM-79-08
Report Number: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-47)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-70-1R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 1R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	175098.2 lumens	Max Intensity:	2174706.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	135.9 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	12.1°H x 12.1°V	Field Angle (10%):	22.5°H x 22.5°V
Beam Lumens:	50039.8 lumens	Field Lumens:	94312.8 lumens
Beam Efficiency:	28.6%	Field Efficiency:	53.9%
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



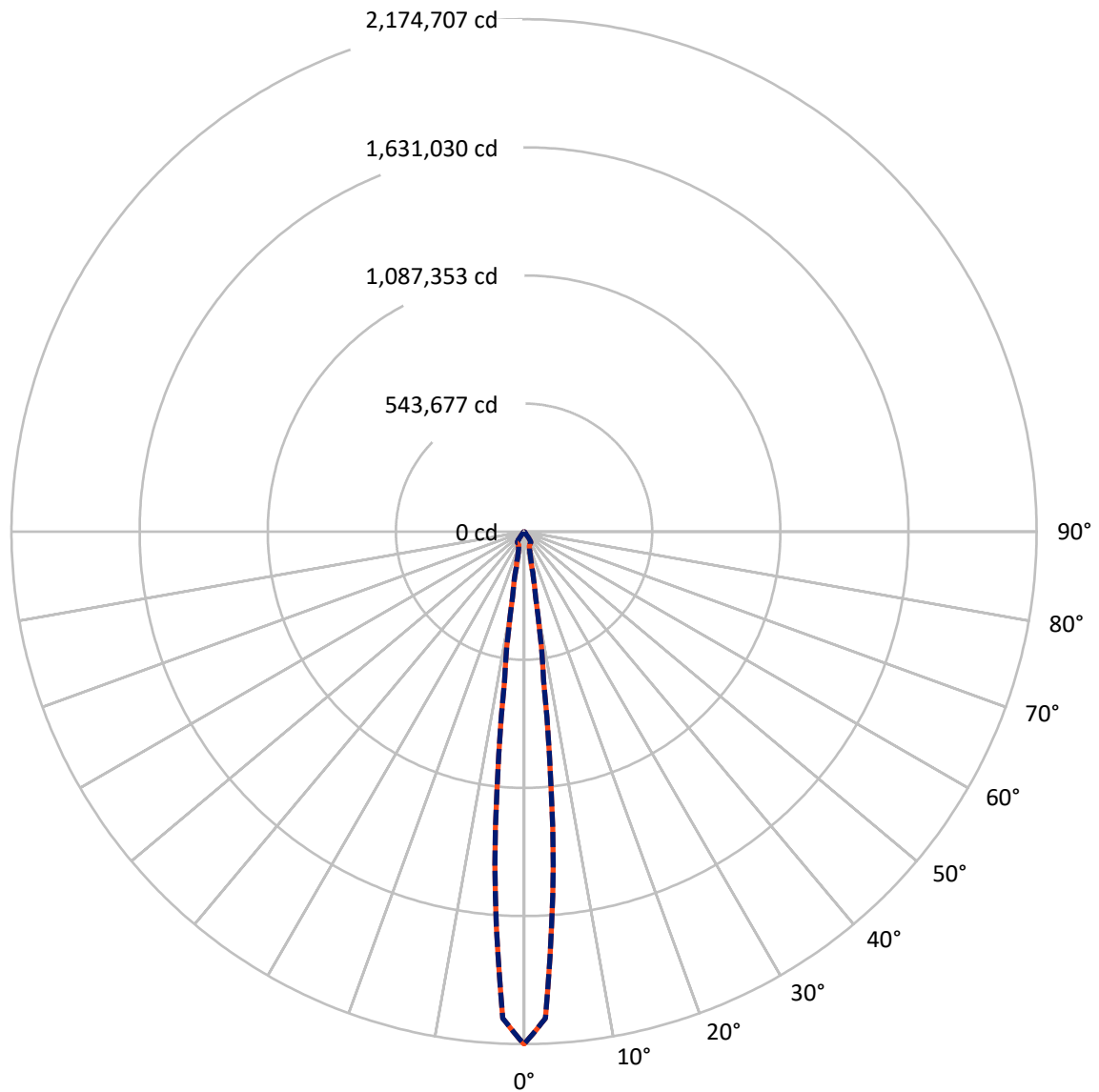
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Lumen Table

90	0.2	1.3		2.9		4.5		5.1		4.5		2.9		1.3		0.2
80	0.2	1.3		2.9		4.5		5.1		4.5		2.9		1.3		0.2
70	0.6	0.5	1.0	1.7	2.5	4.0	5.8	6.8	6.8	5.8	4.0	2.5	1.7	1.0	0.5	0.6
60		0.8	1.6	3.8	8.4	12.0	14.7	16.4	16.4	14.7	12.0	8.4	3.8	1.6	0.8	
50	0.9	1.0	3.1	8.7	13.9	22.2	40.4	66.5	66.5	40.4	22.2	13.9	8.7	3.1	1.0	0.9
40		1.3	6.0	12.1	27.4	189.9	698.4	1073.3	1073.3	698.4	189.9	27.4	12.1	6.0	1.3	
30	1.1	1.9	7.6	17.5	173.8	1055.8	1618.2	1777.4	1777.4	1618.2	1055.8	173.8	17.5	7.6	1.9	1.1
20		2.7	8.8	30.1	602.3	1519.3	1950.7	3185.8	3185.8	1950.7	1519.3	602.3	30.1	8.8	2.7	
10	1.2	3.1	9.6	48.8	894.7	1618.5	3100.4	23888.6	23888.6	3100.4	1618.5	894.7	48.8	9.6	3.1	1.2
0		3.1	9.6	48.8	894.7	1618.5	3100.4	23888.6	23888.6	3100.4	1618.5	894.7	48.8	9.6	3.1	
-10	1.1	2.7	8.8	30.1	602.3	1519.3	1950.7	3185.8	3185.8	1950.7	1519.3	602.3	30.1	8.8	2.7	1.1
-20		1.9	7.6	17.5	173.8	1055.8	1618.2	1777.4	1777.4	1618.2	1055.8	173.8	17.5	7.6	1.9	
-30	0.9	1.3	6.0	12.1	27.4	189.9	698.4	1073.3	1073.3	698.4	189.9	27.4	12.1	6.0	1.3	0.9
-40		1.0	3.1	8.7	13.9	22.2	40.4	66.5	66.5	40.4	22.2	13.9	8.7	3.1	1.0	
-50	0.6	0.8	1.6	3.8	8.4	12.0	14.7	16.4	16.4	14.7	12.0	8.4	3.8	1.6	0.8	0.6
-60		0.5	1.0	1.7	2.5	4.0	5.8	6.8	6.8	5.8	4.0	2.5	1.7	1.0	0.5	
-70	0.2	1.3		2.9		4.5		5.1		4.5		2.9		1.3		0.2
-80		1.3		2.9		4.5		5.1		4.5		2.9		1.3		
-90	0.2	1.3		2.9		4.5		5.1		4.5		2.9		1.3		0.2

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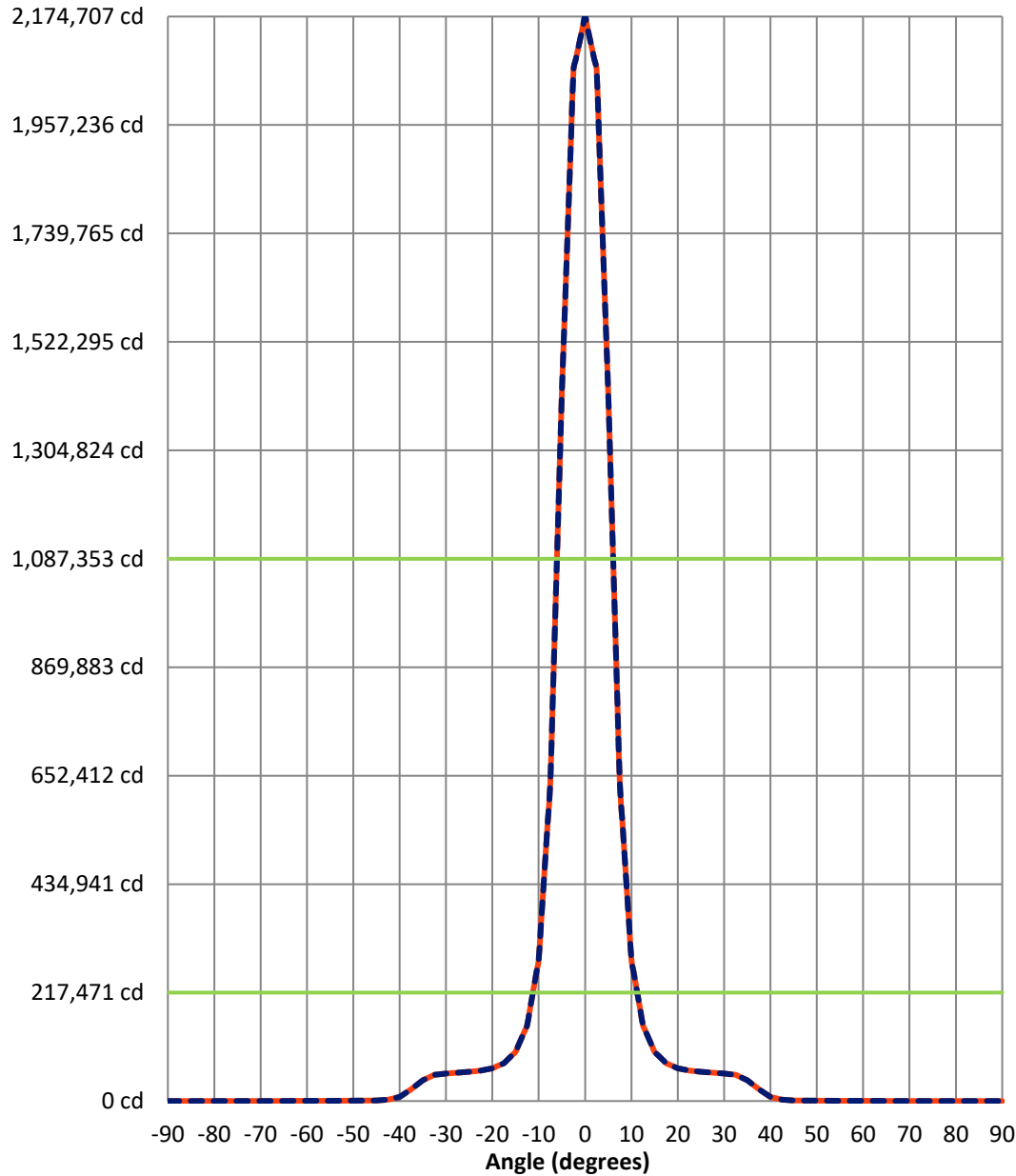
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 12.1°
 V Angle: 12.1°
 Lumens: 50039.8
 Efficiency: 28.6%

Field:
 H Angle: 22.5°
 V Angle: 22.5°
 Lumens: 94312.8
 Efficiency: 53.9%

Spill:
 Lumens: 80785.4
 Efficiency: 46.1%

- 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	0.4	0.9	1.3	1.8	2.2	2.6	3.0	3.5	3.9	4.3
85°	0.0	0.9	1.8	2.6	3.5	4.4	5.2	6.1	6.9	7.7	8.5
82.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.6	12.8
80°	0.0	1.8	3.5	5.2	7.0	8.7	10.4	12.1	13.8	15.4	17.1
77.5°	0.0	2.2	4.4	6.5	8.7	10.9	13.0	15.1	17.2	19.3	21.3
75°	0.0	2.6	5.2	7.8	10.4	13.0	15.6	18.1	20.6	23.1	25.5
72.5°	0.0	3.0	6.1	9.1	12.1	15.1	18.1	21.1	23.9	26.8	29.6
70°	0.0	3.5	6.9	10.3	13.8	17.2	20.6	23.9	27.2	30.5	33.7
67.5°	0.0	3.9	7.7	11.6	15.4	19.3	23.1	26.8	30.5	34.2	37.8
65°	0.0	4.3	8.5	12.8	17.1	21.3	25.5	29.6	33.7	37.8	41.8
62.5°	0.0	4.7	9.3	14.0	18.7	23.3	27.8	32.4	36.9	41.3	45.7
60°	0.0	5.0	10.1	15.2	20.2	25.2	30.1	35.1	40.0	44.8	49.5
57.5°	0.0	5.4	10.9	16.3	21.7	27.1	32.4	37.7	43.0	48.1	53.2
55°	0.0	5.8	11.6	17.4	23.2	28.9	34.6	40.3	45.9	51.4	56.9
52.5°	0.0	6.1	12.3	18.5	24.6	30.7	36.8	42.8	48.8	54.6	60.4
50°	0.0	6.5	13.0	19.5	26.0	32.4	38.9	45.2	51.5	57.7	67.0
47.5°	0.0	6.8	13.7	20.5	27.3	34.1	40.9	47.6	54.2	60.7	73.7
45°	0.0	7.1	14.3	21.5	28.6	35.7	42.8	49.8	56.7	66.5	80.2
42.5°	0.0	7.4	14.9	22.4	29.8	37.3	44.6	51.9	59.2	72.1	83.8
40°	0.0	7.7	15.5	23.3	31.0	38.7	46.4	54.0	62.3	77.4	86.8
37.5°	0.0	8.0	16.1	24.1	32.1	40.1	48.1	56.0	66.8	81.8	89.6
35°	0.0	8.3	16.6	24.9	33.2	41.5	49.7	57.8	71.1	84.2	93.4
32.5°	0.0	8.5	17.1	25.6	34.2	42.7	51.1	59.6	75.1	86.5	98.4
30°	0.0	8.7	17.6	26.3	35.1	43.8	52.5	61.6	78.9	88.7	103.2
27.5°	0.0	9.0	18.0	27.0	36.0	44.9	53.8	64.6	81.8	90.7	107.6
25°	0.0	9.2	18.4	27.5	36.7	45.9	55.0	67.4	83.4	93.7	111.8
22.5°	0.0	9.3	18.7	28.1	37.5	46.8	56.1	70.0	84.9	97.0	119.3
20°	0.0	9.5	19.1	28.6	38.1	47.6	57.1	72.3	86.2	100.0	126.1
17.5°	0.0	9.6	19.4	29.0	38.7	48.3	57.9	74.3	87.4	102.7	132.1
15°	0.0	9.8	19.6	29.4	39.2	49.0	58.7	76.1	88.4	105.0	137.4
12.5°	0.0	9.9	19.8	29.7	39.6	49.5	59.3	77.6	89.3	107.0	141.8
10°	0.0	9.9	20.0	29.9	40.0	49.9	59.9	78.9	90.0	108.6	145.5
7.5°	0.0	10.0	20.1	30.1	40.2	50.3	60.3	79.8	90.6	109.9	148.4
5°	0.0	10.1	20.2	30.3	40.4	50.5	60.6	80.5	91.0	110.8	150.4
2.5°	0.0	10.1	20.3	30.4	40.6	50.7	60.7	81.0	91.2	111.3	151.7
0°	0.0	10.1	20.3	30.4	40.6	50.7	60.8	81.1	91.3	111.5	152.1
-2.5°	0.0	10.1	20.3	30.4	40.6	50.7	60.7	81.0	91.2	111.3	151.7
-5°	0.0	10.1	20.2	30.3	40.4	50.5	60.6	80.5	91.0	110.8	150.4
-7.5°	0.0	10.0	20.1	30.1	40.2	50.3	60.3	79.8	90.6	109.9	148.4
-10°	0.0	9.9	20.0	29.9	40.0	49.9	59.9	78.9	90.0	108.6	145.5
-12.5°	0.0	9.9	19.8	29.7	39.6	49.5	59.3	77.6	89.3	107.0	141.8
-15°	0.0	9.8	19.6	29.4	39.2	49.0	58.7	76.1	88.4	105.0	137.4
-17.5°	0.0	9.6	19.4	29.0	38.7	48.3	57.9	74.3	87.4	102.7	132.1
-20°	0.0	9.5	19.1	28.6	38.1	47.6	57.1	72.3	86.2	100.0	126.1



REPORT NUMBER: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.3	18.7	28.1	37.5	46.8	56.1	70.0	84.9	97.0	119.3
-25°	0.0	9.2	18.4	27.5	36.7	45.9	55.0	67.4	83.4	93.7	111.8
-27.5°	0.0	9.0	18.0	27.0	36.0	44.9	53.8	64.6	81.8	90.7	107.6
-30°	0.0	8.7	17.6	26.3	35.1	43.8	52.5	61.6	78.9	88.7	103.2
-32.5°	0.0	8.5	17.1	25.6	34.2	42.7	51.1	59.6	75.1	86.5	98.4
-35°	0.0	8.3	16.6	24.9	33.2	41.5	49.7	57.8	71.1	84.2	93.4
-37.5°	0.0	8.0	16.1	24.1	32.1	40.1	48.1	56.0	66.8	81.8	89.6
-40°	0.0	7.7	15.5	23.3	31.0	38.7	46.4	54.0	62.3	77.4	86.8
-42.5°	0.0	7.4	14.9	22.4	29.8	37.3	44.6	51.9	59.2	72.1	83.8
-45°	0.0	7.1	14.3	21.5	28.6	35.7	42.8	49.8	56.7	66.5	80.2
-47.5°	0.0	6.8	13.7	20.5	27.3	34.1	40.9	47.6	54.2	60.7	73.7
-50°	0.0	6.5	13.0	19.5	26.0	32.4	38.9	45.2	51.5	57.7	67.0
-52.5°	0.0	6.1	12.3	18.5	24.6	30.7	36.8	42.8	48.8	54.6	60.4
-55°	0.0	5.8	11.6	17.4	23.2	28.9	34.6	40.3	45.9	51.4	56.9
-57.5°	0.0	5.4	10.9	16.3	21.7	27.1	32.4	37.7	43.0	48.1	53.2
-60°	0.0	5.0	10.1	15.2	20.2	25.2	30.1	35.1	40.0	44.8	49.5
-62.5°	0.0	4.7	9.3	14.0	18.7	23.3	27.8	32.4	36.9	41.3	45.7
-65°	0.0	4.3	8.5	12.8	17.1	21.3	25.5	29.6	33.7	37.8	41.8
-67.5°	0.0	3.9	7.7	11.6	15.4	19.3	23.1	26.8	30.5	34.2	37.8
-70°	0.0	3.5	6.9	10.3	13.8	17.2	20.6	23.9	27.2	30.5	33.7
-72.5°	0.0	3.0	6.1	9.1	12.1	15.1	18.1	21.1	23.9	26.8	29.6
-75°	0.0	2.6	5.2	7.8	10.4	13.0	15.6	18.1	20.6	23.1	25.5
-77.5°	0.0	2.2	4.4	6.5	8.7	10.9	13.0	15.1	17.2	19.3	21.3
-80°	0.0	1.8	3.5	5.2	7.0	8.7	10.4	12.1	13.8	15.4	17.1
-82.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.6	12.8
-85°	0.0	0.9	1.8	2.6	3.5	4.4	5.2	6.1	6.9	7.7	8.5
-87.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.0	3.5	3.9	4.3
-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: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-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°	4.7	5.0	5.4	5.8	6.1	6.5	6.8	7.1	7.4	7.7	8.0
85°	9.3	10.1	10.9	11.6	12.3	13.0	13.7	14.3	14.9	15.5	16.1
82.5°	14.0	15.2	16.3	17.4	18.5	19.5	20.5	21.5	22.4	23.3	24.1
80°	18.7	20.2	21.7	23.2	24.6	26.0	27.3	28.6	29.8	31.0	32.1
77.5°	23.3	25.2	27.1	28.9	30.7	32.4	34.1	35.7	37.3	38.7	40.1
75°	27.8	30.1	32.4	34.6	36.8	38.9	40.9	42.8	44.6	46.4	48.1
72.5°	32.4	35.1	37.7	40.3	42.8	45.2	47.6	49.8	51.9	54.0	56.0
70°	36.9	40.0	43.0	45.9	48.8	51.5	54.2	56.7	59.2	62.3	66.8
67.5°	41.3	44.8	48.1	51.4	54.6	57.7	60.7	66.5	72.1	77.4	81.8
65°	45.7	49.5	53.2	56.9	60.4	67.0	73.7	80.2	83.8	86.8	89.6
62.5°	49.9	54.1	58.2	63.7	71.6	79.2	83.9	87.5	90.9	97.1	103.3
60°	54.1	58.7	65.5	74.3	82.0	86.2	90.2	97.0	104.5	111.8	125.6
57.5°	58.2	65.5	75.3	82.9	87.6	93.0	101.7	110.1	125.1	140.8	175.5
55°	63.7	74.3	82.9	88.1	94.8	104.5	116.4	134.7	153.8	260.1	361.8
52.5°	71.6	82.0	87.6	94.8	105.5	120.2	140.5	202.5	321.3	406.8	411.2
50°	79.2	86.2	93.0	104.5	120.2	142.4	227.0	358.3	408.8	413.8	418.5
47.5°	83.9	90.2	101.7	116.4	140.5	227.0	370.8	409.8	415.3	420.5	425.5
45°	87.5	97.0	110.1	134.7	202.5	358.3	409.8	415.8	421.5	436.8	485.2
42.5°	90.9	104.5	125.1	153.8	321.3	408.8	415.3	421.5	441.5	494.8	556.0
40°	97.1	111.8	140.8	260.1	406.8	413.8	420.5	436.8	494.8	562.5	635.2
37.5°	103.3	125.6	175.5	361.8	411.2	418.5	425.5	485.2	556.0	635.2	742.7
35°	109.3	138.8	264.9	407.7	415.4	423.0	466.1	536.5	621.9	733.0	841.4
32.5°	118.3	151.2	349.4	411.4	419.4	437.9	507.5	595.5	704.2	825.2	924.7
30°	128.9	218.9	406.5	414.9	423.1	474.3	556.5	656.8	789.1	899.9	1015.1
27.5°	138.8	286.7	409.5	418.2	432.6	508.5	605.6	731.5	859.0	974.1	1106.7
25°	147.9	349.4	412.3	421.1	461.9	547.9	656.4	801.2	920.7	1054.5	1785.2
22.5°	177.7	405.7	414.8	423.9	488.8	586.8	716.1	856.0	983.1	1160.0	2572.0
20°	224.6	407.7	417.1	430.1	513.3	622.2	770.4	904.4	1046.5	1831.3	4346.9
17.5°	266.5	409.6	419.1	450.1	541.1	660.1	817.7	947.9	1103.6	2436.9	6446.2
15°	303.0	411.2	420.9	467.7	566.6	699.5	853.0	993.2	1403.7	3311.4	8406.6
12.5°	334.1	412.6	422.4	482.7	588.5	733.3	883.2	1033.0	1828.7	4792.2	12986.5
10°	359.7	413.8	423.7	495.0	606.5	761.1	908.2	1066.0	2181.2	6022.6	16800.3
7.5°	379.8	414.6	424.6	504.7	620.6	782.9	927.8	1091.9	2458.5	6991.8	19810.2
5°	394.1	415.3	425.3	511.6	630.7	798.6	941.9	1110.6	2658.2	7690.8	21984.3
2.5°	402.7	415.7	425.8	515.8	636.8	808.0	950.4	1121.8	2778.7	8113.0	23298.7
0°	405.6	415.8	425.9	517.2	638.8	811.2	953.2	1125.6	2819.0	8254.2	23738.5
-2.5°	402.7	415.7	425.8	515.8	636.8	808.0	950.4	1121.8	2778.7	8113.0	23298.7
-5°	394.1	415.3	425.3	511.6	630.7	798.6	941.9	1110.6	2658.2	7690.8	21984.3
-7.5°	379.8	414.6	424.6	504.7	620.6	782.9	927.8	1091.9	2458.5	6991.8	19810.2
-10°	359.7	413.8	423.7	495.0	606.5	761.1	908.2	1066.0	2181.2	6022.6	16800.3
-12.5°	334.1	412.6	422.4	482.7	588.5	733.3	883.2	1033.0	1828.7	4792.2	12986.5
-15°	303.0	411.2	420.9	467.7	566.6	699.5	853.0	993.2	1403.7	3311.4	8406.6
-17.5°	266.5	409.6	419.1	450.1	541.1	660.1	817.7	947.9	1103.6	2436.9	6446.2
-20°	224.6	407.7	417.1	430.1	513.3	622.2	770.4	904.4	1046.5	1831.3	4346.9



REPORT NUMBER: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	177.7	405.7	414.8	423.9	488.8	586.8	716.1	856.0	983.1	1160.0	2572.0
-25°	147.9	349.4	412.3	421.1	461.9	547.9	656.4	801.2	920.7	1054.5	1785.2
-27.5°	138.8	286.7	409.5	418.2	432.6	508.5	605.6	731.5	859.0	974.1	1106.7
-30°	128.9	218.9	406.5	414.9	423.1	474.3	556.5	656.8	789.1	899.9	1015.1
-32.5°	118.3	151.2	349.4	411.4	419.4	437.9	507.5	595.5	704.2	825.2	924.7
-35°	109.3	138.8	264.9	407.7	415.4	423.0	466.1	536.5	621.9	733.0	841.4
-37.5°	103.3	125.6	175.5	361.8	411.2	418.5	425.5	485.2	556.0	635.2	742.7
-40°	97.1	111.8	140.8	260.1	406.8	413.8	420.5	436.8	494.8	562.5	635.2
-42.5°	90.9	104.5	125.1	153.8	321.3	408.8	415.3	421.5	441.5	494.8	556.0
-45°	87.5	97.0	110.1	134.7	202.5	358.3	409.8	415.8	421.5	436.8	485.2
-47.5°	83.9	90.2	101.7	116.4	140.5	227.0	370.8	409.8	415.3	420.5	425.5
-50°	79.2	86.2	93.0	104.5	120.2	142.4	227.0	358.3	408.8	413.8	418.5
-52.5°	71.6	82.0	87.6	94.8	105.5	120.2	140.5	202.5	321.3	406.8	411.2
-55°	63.7	74.3	82.9	88.1	94.8	104.5	116.4	134.7	153.8	260.1	361.8
-57.5°	58.2	65.5	75.3	82.9	87.6	93.0	101.7	110.1	125.1	140.8	175.5
-60°	54.1	58.7	65.5	74.3	82.0	86.2	90.2	97.0	104.5	111.8	125.6
-62.5°	49.9	54.1	58.2	63.7	71.6	79.2	83.9	87.5	90.9	97.1	103.3
-65°	45.7	49.5	53.2	56.9	60.4	67.0	73.7	80.2	83.8	86.8	89.6
-67.5°	41.3	44.8	48.1	51.4	54.6	57.7	60.7	66.5	72.1	77.4	81.8
-70°	36.9	40.0	43.0	45.9	48.8	51.5	54.2	56.7	59.2	62.3	66.8
-72.5°	32.4	35.1	37.7	40.3	42.8	45.2	47.6	49.8	51.9	54.0	56.0
-75°	27.8	30.1	32.4	34.6	36.8	38.9	40.9	42.8	44.6	46.4	48.1
-77.5°	23.3	25.2	27.1	28.9	30.7	32.4	34.1	35.7	37.3	38.7	40.1
-80°	18.7	20.2	21.7	23.2	24.6	26.0	27.3	28.6	29.8	31.0	32.1
-82.5°	14.0	15.2	16.3	17.4	18.5	19.5	20.5	21.5	22.4	23.3	24.1
-85°	9.3	10.1	10.9	11.6	12.3	13.0	13.7	14.3	14.9	15.5	16.1
-87.5°	4.7	5.0	5.4	5.8	6.1	6.5	6.8	7.1	7.4	7.7	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: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-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°	8.3	8.5	8.7	9.0	9.2	9.3	9.5	9.6	9.8	9.9	9.9
85°	16.6	17.1	17.6	18.0	18.4	18.7	19.1	19.4	19.6	19.8	20.0
82.5°	24.9	25.6	26.3	27.0	27.5	28.1	28.6	29.0	29.4	29.7	29.9
80°	33.2	34.2	35.1	36.0	36.7	37.5	38.1	38.7	39.2	39.6	40.0
77.5°	41.5	42.7	43.8	44.9	45.9	46.8	47.6	48.3	49.0	49.5	49.9
75°	49.7	51.1	52.5	53.8	55.0	56.1	57.1	57.9	58.7	59.3	59.9
72.5°	57.8	59.6	61.6	64.6	67.4	70.0	72.3	74.3	76.1	77.6	78.9
70°	71.1	75.1	78.9	81.8	83.4	84.9	86.2	87.4	88.4	89.3	90.0
67.5°	84.2	86.5	88.7	90.7	93.7	97.0	100.0	102.7	105.0	107.0	108.6
65°	93.4	98.4	103.2	107.6	111.8	119.3	126.1	132.1	137.4	141.8	145.5
62.5°	109.3	118.3	128.9	138.8	147.9	177.7	224.6	266.5	303.0	334.1	359.7
60°	138.8	151.2	218.9	286.7	349.4	405.7	407.7	409.6	411.2	412.6	413.8
57.5°	264.9	349.4	406.5	409.5	412.3	414.8	417.1	419.1	420.9	422.4	423.7
55°	407.7	411.4	414.9	418.2	421.1	423.9	430.1	450.1	467.7	482.7	495.0
52.5°	415.4	419.4	423.1	432.6	461.9	488.8	513.3	541.1	566.6	588.5	606.5
50°	423.0	437.9	474.3	508.5	547.9	586.8	622.2	660.1	699.5	733.3	761.1
47.5°	466.1	507.5	556.5	605.6	656.4	716.1	770.4	817.7	853.0	883.2	908.2
45°	536.5	595.5	656.8	731.5	801.2	856.0	904.4	947.9	993.2	1033.0	1066.0
42.5°	621.9	704.2	789.1	859.0	920.7	983.1	1046.5	1103.6	1403.7	1828.7	2181.2
40°	733.0	825.2	899.9	974.1	1054.5	1160.0	1831.3	2436.9	3311.4	4792.2	6022.6
37.5°	841.4	924.7	1015.1	1106.7	1785.2	2572.0	4346.9	6446.2	8406.6	12986.5	16800.3
35°	933.0	1035.9	1252.0	2210.6	3768.2	6477.3	10307.7	16765.5	22509.4	28080.5	32895.5
32.5°	1035.9	1356.9	2426.0	4831.8	7930.6	15604.1	23258.2	31263.7	38478.6	43550.4	46746.5
30°	1252.0	2426.0	5189.6	9432.2	18846.1	28333.0	37872.2	44675.9	49436.8	52837.4	53651.7
27.5°	2210.6	4831.8	9432.2	19937.8	30951.0	41834.9	48072.7	52887.7	54092.1	55148.6	55765.3
25°	3768.2	7930.6	18846.1	30951.0	42667.9	49804.0	53515.9	54959.7	55922.0	56718.1	57403.1
22.5°	6477.3	15604.1	28333.0	41834.9	49804.0	53728.3	55325.8	56400.8	57390.4	58277.9	59153.4
20°	10307.7	23258.2	37872.2	48072.7	53515.9	55325.8	56563.1	57737.9	58869.4	60171.1	61498.2
17.5°	16765.5	31263.7	44675.9	52887.7	54959.7	56400.8	57737.9	59118.2	60698.8	63103.0	65506.3
15°	22509.4	38478.6	49436.8	54092.1	55922.0	57390.4	58869.4	60698.8	63653.5	67974.8	74006.5
12.5°	28080.5	43550.4	52837.4	55148.6	56718.1	58277.9	60171.1	63103.0	67974.8	75471.5	89865.3
10°	32895.5	46746.5	53651.7	55765.3	57403.1	59153.4	61498.2	65506.3	74006.5	89865.3	112620.7
7.5°	36704.0	49281.5	54299.7	56256.9	57956.1	59974.0	63259.5	69781.7	82861.0	105678.3	152447.9
5°	39460.0	51120.0	54771.0	56615.7	58361.4	60578.9	64568.0	73124.4	91355.6	126379.7	205668.9
2.5°	41128.3	52234.6	55057.3	56834.2	58609.0	60950.1	65375.4	75204.0	96704.0	144162.4	262505.6
0°	41686.9	52608.1	55153.3	56907.6	58692.3	61075.2	65648.5	75910.6	98533.7	151735.0	283990.3
-2.5°	41128.3	52234.6	55057.3	56834.2	58609.0	60950.1	65375.4	75204.0	96704.0	144162.4	262505.6
-5°	39460.0	51120.0	54771.0	56615.7	58361.4	60578.9	64568.0	73124.4	91355.6	126379.7	205668.9
-7.5°	36704.0	49281.5	54299.7	56256.9	57956.1	59974.0	63259.5	69781.7	82861.0	105678.3	152447.9
-10°	32895.5	46746.5	53651.7	55765.3	57403.1	59153.4	61498.2	65506.3	74006.5	89865.3	112620.7
-12.5°	28080.5	43550.4	52837.4	55148.6	56718.1	58277.9	60171.1	63103.0	67974.8	75471.5	89865.3
-15°	22509.4	38478.6	49436.8	54092.1	55922.0	57390.4	58869.4	60698.8	63653.5	67974.8	74006.5
-17.5°	16765.5	31263.7	44675.9	52887.7	54959.7	56400.8	57737.9	59118.2	60698.8	63103.0	65506.3
-20°	10307.7	23258.2	37872.2	48072.7	53515.9	55325.8	56563.1	57737.9	58869.4	60171.1	61498.2



REPORT NUMBER: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6477.3	15604.1	28333.0	41834.9	49804.0	53728.3	55325.8	56400.8	57390.4	58277.9	59153.4
-25°	3768.2	7930.6	18846.1	30951.0	42667.9	49804.0	53515.9	54959.7	55922.0	56718.1	57403.1
-27.5°	2210.6	4831.8	9432.2	19937.8	30951.0	41834.9	48072.7	52887.7	54092.1	55148.6	55765.3
-30°	1252.0	2426.0	5189.6	9432.2	18846.1	28333.0	37872.2	44675.9	49436.8	52837.4	53651.7
-32.5°	1035.9	1356.9	2426.0	4831.8	7930.6	15604.1	23258.2	31263.7	38478.6	43550.4	46746.5
-35°	933.0	1035.9	1252.0	2210.6	3768.2	6477.3	10307.7	16765.5	22509.4	28080.5	32895.5
-37.5°	841.4	924.7	1015.1	1106.7	1785.2	2572.0	4346.9	6446.2	8406.6	12986.5	16800.3
-40°	733.0	825.2	899.9	974.1	1054.5	1160.0	1831.3	2436.9	3311.4	4792.2	6022.6
-42.5°	621.9	704.2	789.1	859.0	920.7	983.1	1046.5	1103.6	1403.7	1828.7	2181.2
-45°	536.5	595.5	656.8	731.5	801.2	856.0	904.4	947.9	993.2	1033.0	1066.0
-47.5°	466.1	507.5	556.5	605.6	656.4	716.1	770.4	817.7	853.0	883.2	908.2
-50°	423.0	437.9	474.3	508.5	547.9	586.8	622.2	660.1	699.5	733.3	761.1
-52.5°	415.4	419.4	423.1	432.6	461.9	488.8	513.3	541.1	566.6	588.5	606.5
-55°	407.7	411.4	414.9	418.2	421.1	423.9	430.1	450.1	467.7	482.7	495.0
-57.5°	264.9	349.4	406.5	409.5	412.3	414.8	417.1	419.1	420.9	422.4	423.7
-60°	138.8	151.2	218.9	286.7	349.4	405.7	407.7	409.6	411.2	412.6	413.8
-62.5°	109.3	118.3	128.9	138.8	147.9	177.7	224.6	266.5	303.0	334.1	359.7
-65°	93.4	98.4	103.2	107.6	111.8	119.3	126.1	132.1	137.4	141.8	145.5
-67.5°	84.2	86.5	88.7	90.7	93.7	97.0	100.0	102.7	105.0	107.0	108.6
-70°	71.1	75.1	78.9	81.8	83.4	84.9	86.2	87.4	88.4	89.3	90.0
-72.5°	57.8	59.6	61.6	64.6	67.4	70.0	72.3	74.3	76.1	77.6	78.9
-75°	49.7	51.1	52.5	53.8	55.0	56.1	57.1	57.9	58.7	59.3	59.9
-77.5°	41.5	42.7	43.8	44.9	45.9	46.8	47.6	48.3	49.0	49.5	49.9
-80°	33.2	34.2	35.1	36.0	36.7	37.5	38.1	38.7	39.2	39.6	40.0
-82.5°	24.9	25.6	26.3	27.0	27.5	28.1	28.6	29.0	29.4	29.7	29.9
-85°	16.6	17.1	17.6	18.0	18.4	18.7	19.1	19.4	19.6	19.8	20.0
-87.5°	8.3	8.5	8.7	9.0	9.2	9.3	9.5	9.6	9.8	9.9	9.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-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°	10.0	10.1	10.1	10.1	10.1	10.1	10.0	9.9	9.9	9.8	9.6
85°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	20.0	19.8	19.6	19.4
82.5°	30.1	30.3	30.4	30.4	30.4	30.3	30.1	29.9	29.7	29.4	29.0
80°	40.2	40.4	40.6	40.6	40.6	40.4	40.2	40.0	39.6	39.2	38.7
77.5°	50.3	50.5	50.7	50.7	50.7	50.5	50.3	49.9	49.5	49.0	48.3
75°	60.3	60.6	60.7	60.8	60.7	60.6	60.3	59.9	59.3	58.7	57.9
72.5°	79.8	80.5	81.0	81.1	81.0	80.5	79.8	78.9	77.6	76.1	74.3
70°	90.6	91.0	91.2	91.3	91.2	91.0	90.6	90.0	89.3	88.4	87.4
67.5°	109.9	110.8	111.3	111.5	111.3	110.8	109.9	108.6	107.0	105.0	102.7
65°	148.4	150.4	151.7	152.1	151.7	150.4	148.4	145.5	141.8	137.4	132.1
62.5°	379.8	394.1	402.7	405.6	402.7	394.1	379.8	359.7	334.1	303.0	266.5
60°	414.6	415.3	415.7	415.8	415.7	415.3	414.6	413.8	412.6	411.2	409.6
57.5°	424.6	425.3	425.8	425.9	425.8	425.3	424.6	423.7	422.4	420.9	419.1
55°	504.7	511.6	515.8	517.2	515.8	511.6	504.7	495.0	482.7	467.7	450.1
52.5°	620.6	630.7	636.8	638.8	636.8	630.7	620.6	606.5	588.5	566.6	541.1
50°	782.9	798.6	808.0	811.2	808.0	798.6	782.9	761.1	733.3	699.5	660.1
47.5°	927.8	941.9	950.4	953.2	950.4	941.9	927.8	908.2	883.2	853.0	817.7
45°	1091.9	1110.6	1121.8	1125.6	1121.8	1110.6	1091.9	1066.0	1033.0	993.2	947.9
42.5°	2458.5	2658.2	2778.7	2819.0	2778.7	2658.2	2458.5	2181.2	1828.7	1403.7	1103.6
40°	6991.8	7690.8	8113.0	8254.2	8113.0	7690.8	6991.8	6022.6	4792.2	3311.4	2436.9
37.5°	19810.2	21984.3	23298.7	23738.5	23298.7	21984.3	19810.2	16800.3	12986.5	8406.6	6446.2
35°	36704.0	39460.0	41128.3	41686.9	41128.3	39460.0	36704.0	32895.5	28080.5	22509.4	16765.5
32.5°	49281.5	51120.0	52234.6	52608.1	52234.6	51120.0	49281.5	46746.5	43550.4	38478.6	31263.7
30°	54299.7	54771.0	55057.3	55153.3	55057.3	54771.0	54299.7	53651.7	52837.4	49436.8	44675.9
27.5°	56256.9	56615.7	56834.2	56907.6	56834.2	56615.7	56256.9	55765.3	55148.6	54092.1	52887.7
25°	57956.1	58361.4	58609.0	58692.3	58609.0	58361.4	57956.1	57403.1	56718.1	55922.0	54959.7
22.5°	59974.0	60578.9	60950.1	61075.2	60950.1	60578.9	59974.0	59153.4	58277.9	57390.4	56400.8
20°	63259.5	64568.0	65375.4	65648.5	65375.4	64568.0	63259.5	61498.2	60171.1	58869.4	57737.9
17.5°	69781.7	73124.4	75204.0	75910.6	75204.0	73124.4	69781.7	65506.3	63103.0	60698.8	59118.2
15°	82861.0	91355.6	96704.0	98533.7	96704.0	91355.6	82861.0	74006.5	67974.8	63653.5	60698.8
12.5°	105678.3	126379.7	144162.4	151735.0	144162.4	126379.7	105678.3	89865.3	75471.5	67974.8	63103.0
10°	152447.9	205668.9	262505.6	283990.3	262505.6	205668.9	152447.9	112620.7	89865.3	74006.5	65506.3
7.5°	242286.4	388248.7	554354.6	637695.4	554354.6	388248.7	242286.4	152447.9	105678.3	82861.0	69781.7
5°	388248.7	727231.9	#####	#####	#####	727231.9	388248.7	205668.9	126379.7	91355.6	73124.4
2.5°	554354.6	#####	#####	#####	#####	#####	554354.6	262505.6	144162.4	96704.0	75204.0
0°	637695.4	#####	#####	#####	#####	#####	637695.4	283990.3	151735.0	98533.7	75910.6
-2.5°	554354.6	#####	#####	#####	#####	#####	554354.6	262505.6	144162.4	96704.0	75204.0
-5°	388248.7	727231.9	#####	#####	#####	727231.9	388248.7	205668.9	126379.7	91355.6	73124.4
-7.5°	242286.4	388248.7	554354.6	637695.4	554354.6	388248.7	242286.4	152447.9	105678.3	82861.0	69781.7
-10°	152447.9	205668.9	262505.6	283990.3	262505.6	205668.9	152447.9	112620.7	89865.3	74006.5	65506.3
-12.5°	105678.3	126379.7	144162.4	151735.0	144162.4	126379.7	105678.3	89865.3	75471.5	67974.8	63103.0
-15°	82861.0	91355.6	96704.0	98533.7	96704.0	91355.6	82861.0	74006.5	67974.8	63653.5	60698.8
-17.5°	69781.7	73124.4	75204.0	75910.6	75204.0	73124.4	69781.7	65506.3	63103.0	60698.8	59118.2
-20°	63259.5	64568.0	65375.4	65648.5	65375.4	64568.0	63259.5	61498.2	60171.1	58869.4	57737.9



REPORT NUMBER: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	59974.0	60578.9	60950.1	61075.2	60950.1	60578.9	59974.0	59153.4	58277.9	57390.4	56400.8
-25°	57956.1	58361.4	58609.0	58692.3	58609.0	58361.4	57956.1	57403.1	56718.1	55922.0	54959.7
-27.5°	56256.9	56615.7	56834.2	56907.6	56834.2	56615.7	56256.9	55765.3	55148.6	54092.1	52887.7
-30°	54299.7	54771.0	55057.3	55153.3	55057.3	54771.0	54299.7	53651.7	52837.4	49436.8	44675.9
-32.5°	49281.5	51120.0	52234.6	52608.1	52234.6	51120.0	49281.5	46746.5	43550.4	38478.6	31263.7
-35°	36704.0	39460.0	41128.3	41686.9	41128.3	39460.0	36704.0	32895.5	28080.5	22509.4	16765.5
-37.5°	19810.2	21984.3	23298.7	23738.5	23298.7	21984.3	19810.2	16800.3	12986.5	8406.6	6446.2
-40°	6991.8	7690.8	8113.0	8254.2	8113.0	7690.8	6991.8	6022.6	4792.2	3311.4	2436.9
-42.5°	2458.5	2658.2	2778.7	2819.0	2778.7	2658.2	2458.5	2181.2	1828.7	1403.7	1103.6
-45°	1091.9	1110.6	1121.8	1125.6	1121.8	1110.6	1091.9	1066.0	1033.0	993.2	947.9
-47.5°	927.8	941.9	950.4	953.2	950.4	941.9	927.8	908.2	883.2	853.0	817.7
-50°	782.9	798.6	808.0	811.2	808.0	798.6	782.9	761.1	733.3	699.5	660.1
-52.5°	620.6	630.7	636.8	638.8	636.8	630.7	620.6	606.5	588.5	566.6	541.1
-55°	504.7	511.6	515.8	517.2	515.8	511.6	504.7	495.0	482.7	467.7	450.1
-57.5°	424.6	425.3	425.8	425.9	425.8	425.3	424.6	423.7	422.4	420.9	419.1
-60°	414.6	415.3	415.7	415.8	415.7	415.3	414.6	413.8	412.6	411.2	409.6
-62.5°	379.8	394.1	402.7	405.6	402.7	394.1	379.8	359.7	334.1	303.0	266.5
-65°	148.4	150.4	151.7	152.1	151.7	150.4	148.4	145.5	141.8	137.4	132.1
-67.5°	109.9	110.8	111.3	111.5	111.3	110.8	109.9	108.6	107.0	105.0	102.7
-70°	90.6	91.0	91.2	91.3	91.2	91.0	90.6	90.0	89.3	88.4	87.4
-72.5°	79.8	80.5	81.0	81.1	81.0	80.5	79.8	78.9	77.6	76.1	74.3
-75°	60.3	60.6	60.7	60.8	60.7	60.6	60.3	59.9	59.3	58.7	57.9
-77.5°	50.3	50.5	50.7	50.7	50.7	50.5	50.3	49.9	49.5	49.0	48.3
-80°	40.2	40.4	40.6	40.6	40.6	40.4	40.2	40.0	39.6	39.2	38.7
-82.5°	30.1	30.3	30.4	30.4	30.4	30.3	30.1	29.9	29.7	29.4	29.0
-85°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	20.0	19.8	19.6	19.4
-87.5°	10.0	10.1	10.1	10.1	10.1	10.1	10.0	9.9	9.9	9.8	9.6
-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: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-S

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°	9.5	9.3	9.2	9.0	8.7	8.5	8.3	8.0	7.7	7.4	7.1
85°	19.1	18.7	18.4	18.0	17.6	17.1	16.6	16.1	15.5	14.9	14.3
82.5°	28.6	28.1	27.5	27.0	26.3	25.6	24.9	24.1	23.3	22.4	21.5
80°	38.1	37.5	36.7	36.0	35.1	34.2	33.2	32.1	31.0	29.8	28.6
77.5°	47.6	46.8	45.9	44.9	43.8	42.7	41.5	40.1	38.7	37.3	35.7
75°	57.1	56.1	55.0	53.8	52.5	51.1	49.7	48.1	46.4	44.6	42.8
72.5°	72.3	70.0	67.4	64.6	61.6	59.6	57.8	56.0	54.0	51.9	49.8
70°	86.2	84.9	83.4	81.8	78.9	75.1	71.1	66.8	62.3	59.2	56.7
67.5°	100.0	97.0	93.7	90.7	88.7	86.5	84.2	81.8	77.4	72.1	66.5
65°	126.1	119.3	111.8	107.6	103.2	98.4	93.4	89.6	86.8	83.8	80.2
62.5°	224.6	177.7	147.9	138.8	128.9	118.3	109.3	103.3	97.1	90.9	87.5
60°	407.7	405.7	349.4	286.7	218.9	151.2	138.8	125.6	111.8	104.5	97.0
57.5°	417.1	414.8	412.3	409.5	406.5	349.4	264.9	175.5	140.8	125.1	110.1
55°	430.1	423.9	421.1	418.2	414.9	411.4	407.7	361.8	260.1	153.8	134.7
52.5°	513.3	488.8	461.9	432.6	423.1	419.4	415.4	411.2	406.8	321.3	202.5
50°	622.2	586.8	547.9	508.5	474.3	437.9	423.0	418.5	413.8	408.8	358.3
47.5°	770.4	716.1	656.4	605.6	556.5	507.5	466.1	425.5	420.5	415.3	409.8
45°	904.4	856.0	801.2	731.5	656.8	595.5	536.5	485.2	436.8	421.5	415.8
42.5°	1046.5	983.1	920.7	859.0	789.1	704.2	621.9	556.0	494.8	441.5	421.5
40°	1831.3	1160.0	1054.5	974.1	899.9	825.2	733.0	635.2	562.5	494.8	436.8
37.5°	4346.9	2572.0	1785.2	1106.7	1015.1	924.7	841.4	742.7	635.2	556.0	485.2
35°	10307.7	6477.3	3768.2	2210.6	1252.0	1035.9	933.0	841.4	733.0	621.9	536.5
32.5°	23258.2	15604.1	7930.6	4831.8	2426.0	1356.9	1035.9	924.7	825.2	704.2	595.5
30°	37872.2	28333.0	18846.1	9432.2	5189.6	2426.0	1252.0	1015.1	899.9	789.1	656.8
27.5°	48072.7	41834.9	30951.0	19937.8	9432.2	4831.8	2210.6	1106.7	974.1	859.0	731.5
25°	53515.9	49804.0	42667.9	30951.0	18846.1	7930.6	3768.2	1785.2	1054.5	920.7	801.2
22.5°	55325.8	53728.3	49804.0	41834.9	28333.0	15604.1	6477.3	2572.0	1160.0	983.1	856.0
20°	56563.1	55325.8	53515.9	48072.7	37872.2	23258.2	10307.7	4346.9	1831.3	1046.5	904.4
17.5°	57737.9	56400.8	54959.7	52887.7	44675.9	31263.7	16765.5	6446.2	2436.9	1103.6	947.9
15°	58869.4	57390.4	55922.0	54092.1	49436.8	38478.6	22509.4	8406.6	3311.4	1403.7	993.2
12.5°	60171.1	58277.9	56718.1	55148.6	52837.4	43550.4	28080.5	12986.5	4792.2	1828.7	1033.0
10°	61498.2	59153.4	57403.1	55765.3	53651.7	46746.5	32895.5	16800.3	6022.6	2181.2	1066.0
7.5°	63259.5	59974.0	57956.1	56256.9	54299.7	49281.5	36704.0	19810.2	6991.8	2458.5	1091.9
5°	64568.0	60578.9	58361.4	56615.7	54771.0	51120.0	39460.0	21984.3	7690.8	2658.2	1110.6
2.5°	65375.4	60950.1	58609.0	56834.2	55057.3	52234.6	41128.3	23298.7	8113.0	2778.7	1121.8
0°	65648.5	61075.2	58692.3	56907.6	55153.3	52608.1	41686.9	23738.5	8254.2	2819.0	1125.6
-2.5°	65375.4	60950.1	58609.0	56834.2	55057.3	52234.6	41128.3	23298.7	8113.0	2778.7	1121.8
-5°	64568.0	60578.9	58361.4	56615.7	54771.0	51120.0	39460.0	21984.3	7690.8	2658.2	1110.6
-7.5°	63259.5	59974.0	57956.1	56256.9	54299.7	49281.5	36704.0	19810.2	6991.8	2458.5	1091.9
-10°	61498.2	59153.4	57403.1	55765.3	53651.7	46746.5	32895.5	16800.3	6022.6	2181.2	1066.0
-12.5°	60171.1	58277.9	56718.1	55148.6	52837.4	43550.4	28080.5	12986.5	4792.2	1828.7	1033.0
-15°	58869.4	57390.4	55922.0	54092.1	49436.8	38478.6	22509.4	8406.6	3311.4	1403.7	993.2
-17.5°	57737.9	56400.8	54959.7	52887.7	44675.9	31263.7	16765.5	6446.2	2436.9	1103.6	947.9
-20°	56563.1	55325.8	53515.9	48072.7	37872.2	23258.2	10307.7	4346.9	1831.3	1046.5	904.4



REPORT NUMBER: P699986 (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°
-22.5°	55325.8	53728.3	49804.0	41834.9	28333.0	15604.1	6477.3	2572.0	1160.0	983.1	856.0
-25°	53515.9	49804.0	42667.9	30951.0	18846.1	7930.6	3768.2	1785.2	1054.5	920.7	801.2
-27.5°	48072.7	41834.9	30951.0	19937.8	9432.2	4831.8	2210.6	1106.7	974.1	859.0	731.5
-30°	37872.2	28333.0	18846.1	9432.2	5189.6	2426.0	1252.0	1015.1	899.9	789.1	656.8
-32.5°	23258.2	15604.1	7930.6	4831.8	2426.0	1356.9	1035.9	924.7	825.2	704.2	595.5
-35°	10307.7	6477.3	3768.2	2210.6	1252.0	1035.9	933.0	841.4	733.0	621.9	536.5
-37.5°	4346.9	2572.0	1785.2	1106.7	1015.1	924.7	841.4	742.7	635.2	556.0	485.2
-40°	1831.3	1160.0	1054.5	974.1	899.9	825.2	733.0	635.2	562.5	494.8	436.8
-42.5°	1046.5	983.1	920.7	859.0	789.1	704.2	621.9	556.0	494.8	441.5	421.5
-45°	904.4	856.0	801.2	731.5	656.8	595.5	536.5	485.2	436.8	421.5	415.8
-47.5°	770.4	716.1	656.4	605.6	556.5	507.5	466.1	425.5	420.5	415.3	409.8
-50°	622.2	586.8	547.9	508.5	474.3	437.9	423.0	418.5	413.8	408.8	358.3
-52.5°	513.3	488.8	461.9	432.6	423.1	419.4	415.4	411.2	406.8	321.3	202.5
-55°	430.1	423.9	421.1	418.2	414.9	411.4	407.7	361.8	260.1	153.8	134.7
-57.5°	417.1	414.8	412.3	409.5	406.5	349.4	264.9	175.5	140.8	125.1	110.1
-60°	407.7	405.7	349.4	286.7	218.9	151.2	138.8	125.6	111.8	104.5	97.0
-62.5°	224.6	177.7	147.9	138.8	128.9	118.3	109.3	103.3	97.1	90.9	87.5
-65°	126.1	119.3	111.8	107.6	103.2	98.4	93.4	89.6	86.8	83.8	80.2
-67.5°	100.0	97.0	93.7	90.7	88.7	86.5	84.2	81.8	77.4	72.1	66.5
-70°	86.2	84.9	83.4	81.8	78.9	75.1	71.1	66.8	62.3	59.2	56.7
-72.5°	72.3	70.0	67.4	64.6	61.6	59.6	57.8	56.0	54.0	51.9	49.8
-75°	57.1	56.1	55.0	53.8	52.5	51.1	49.7	48.1	46.4	44.6	42.8
-77.5°	47.6	46.8	45.9	44.9	43.8	42.7	41.5	40.1	38.7	37.3	35.7
-80°	38.1	37.5	36.7	36.0	35.1	34.2	33.2	32.1	31.0	29.8	28.6
-82.5°	28.6	28.1	27.5	27.0	26.3	25.6	24.9	24.1	23.3	22.4	21.5
-85°	19.1	18.7	18.4	18.0	17.6	17.1	16.6	16.1	15.5	14.9	14.3
-87.5°	9.5	9.3	9.2	9.0	8.7	8.5	8.3	8.0	7.7	7.4	7.1
-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: P699986 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1R-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°	6.8	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.9	3.5	3.0
85°	13.7	13.0	12.3	11.6	10.9	10.1	9.3	8.5	7.7	6.9	6.1
82.5°	20.5	19.5	18.5	17.4	16.3	15.2	14.0	12.8	11.6	10.3	9.1
80°	27.3	26.0	24.6	23.2	21.7	20.2	18.7	17.1	15.4	13.8	12.1
77.5°	34.1	32.4	30.7	28.9	27.1	25.2	23.3	21.3	19.3	17.2	15.1
75°	40.9	38.9	36.8	34.6	32.4	30.1	27.8	25.5	23.1	20.6	18.1
72.5°	47.6	45.2	42.8	40.3	37.7	35.1	32.4	29.6	26.8	23.9	21.1
70°	54.2	51.5	48.8	45.9	43.0	40.0	36.9	33.7	30.5	27.2	23.9
67.5°	60.7	57.7	54.6	51.4	48.1	44.8	41.3	37.8	34.2	30.5	26.8
65°	73.7	67.0	60.4	56.9	53.2	49.5	45.7	41.8	37.8	33.7	29.6
62.5°	83.9	79.2	71.6	63.7	58.2	54.1	49.9	45.7	41.3	36.9	32.4
60°	90.2	86.2	82.0	74.3	65.5	58.7	54.1	49.5	44.8	40.0	35.1
57.5°	101.7	93.0	87.6	82.9	75.3	65.5	58.2	53.2	48.1	43.0	37.7
55°	116.4	104.5	94.8	88.1	82.9	74.3	63.7	56.9	51.4	45.9	40.3
52.5°	140.5	120.2	105.5	94.8	87.6	82.0	71.6	60.4	54.6	48.8	42.8
50°	227.0	142.4	120.2	104.5	93.0	86.2	79.2	67.0	57.7	51.5	45.2
47.5°	370.8	227.0	140.5	116.4	101.7	90.2	83.9	73.7	60.7	54.2	47.6
45°	409.8	358.3	202.5	134.7	110.1	97.0	87.5	80.2	66.5	56.7	49.8
42.5°	415.3	408.8	321.3	153.8	125.1	104.5	90.9	83.8	72.1	59.2	51.9
40°	420.5	413.8	406.8	260.1	140.8	111.8	97.1	86.8	77.4	62.3	54.0
37.5°	425.5	418.5	411.2	361.8	175.5	125.6	103.3	89.6	81.8	66.8	56.0
35°	466.1	423.0	415.4	407.7	264.9	138.8	109.3	93.4	84.2	71.1	57.8
32.5°	507.5	437.9	419.4	411.4	349.4	151.2	118.3	98.4	86.5	75.1	59.6
30°	556.5	474.3	423.1	414.9	406.5	218.9	128.9	103.2	88.7	78.9	61.6
27.5°	605.6	508.5	432.6	418.2	409.5	286.7	138.8	107.6	90.7	81.8	64.6
25°	656.4	547.9	461.9	421.1	412.3	349.4	147.9	111.8	93.7	83.4	67.4
22.5°	716.1	586.8	488.8	423.9	414.8	405.7	177.7	119.3	97.0	84.9	70.0
20°	770.4	622.2	513.3	430.1	417.1	407.7	224.6	126.1	100.0	86.2	72.3
17.5°	817.7	660.1	541.1	450.1	419.1	409.6	266.5	132.1	102.7	87.4	74.3
15°	853.0	699.5	566.6	467.7	420.9	411.2	303.0	137.4	105.0	88.4	76.1
12.5°	883.2	733.3	588.5	482.7	422.4	412.6	334.1	141.8	107.0	89.3	77.6
10°	908.2	761.1	606.5	495.0	423.7	413.8	359.7	145.5	108.6	90.0	78.9
7.5°	927.8	782.9	620.6	504.7	424.6	414.6	379.8	148.4	109.9	90.6	79.8
5°	941.9	798.6	630.7	511.6	425.3	415.3	394.1	150.4	110.8	91.0	80.5
2.5°	950.4	808.0	636.8	515.8	425.8	415.7	402.7	151.7	111.3	91.2	81.0
0°	953.2	811.2	638.8	517.2	425.9	415.8	405.6	152.1	111.5	91.3	81.1
-2.5°	950.4	808.0	636.8	515.8	425.8	415.7	402.7	151.7	111.3	91.2	81.0
-5°	941.9	798.6	630.7	511.6	425.3	415.3	394.1	150.4	110.8	91.0	80.5
-7.5°	927.8	782.9	620.6	504.7	424.6	414.6	379.8	148.4	109.9	90.6	79.8
-10°	908.2	761.1	606.5	495.0	423.7	413.8	359.7	145.5	108.6	90.0	78.9
-12.5°	883.2	733.3	588.5	482.7	422.4	412.6	334.1	141.8	107.0	89.3	77.6
-15°	853.0	699.5	566.6	467.7	420.9	411.2	303.0	137.4	105.0	88.4	76.1
-17.5°	817.7	660.1	541.1	450.1	419.1	409.6	266.5	132.1	102.7	87.4	74.3
-20°	770.4	622.2	513.3	430.1	417.1	407.7	224.6	126.1	100.0	86.2	72.3



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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°	716.1	586.8	488.8	423.9	414.8	405.7	177.7	119.3	97.0	84.9	70.0
-25°	656.4	547.9	461.9	421.1	412.3	349.4	147.9	111.8	93.7	83.4	67.4
-27.5°	605.6	508.5	432.6	418.2	409.5	286.7	138.8	107.6	90.7	81.8	64.6
-30°	556.5	474.3	423.1	414.9	406.5	218.9	128.9	103.2	88.7	78.9	61.6
-32.5°	507.5	437.9	419.4	411.4	349.4	151.2	118.3	98.4	86.5	75.1	59.6
-35°	466.1	423.0	415.4	407.7	264.9	138.8	109.3	93.4	84.2	71.1	57.8
-37.5°	425.5	418.5	411.2	361.8	175.5	125.6	103.3	89.6	81.8	66.8	56.0
-40°	420.5	413.8	406.8	260.1	140.8	111.8	97.1	86.8	77.4	62.3	54.0
-42.5°	415.3	408.8	321.3	153.8	125.1	104.5	90.9	83.8	72.1	59.2	51.9
-45°	409.8	358.3	202.5	134.7	110.1	97.0	87.5	80.2	66.5	56.7	49.8
-47.5°	370.8	227.0	140.5	116.4	101.7	90.2	83.9	73.7	60.7	54.2	47.6
-50°	227.0	142.4	120.2	104.5	93.0	86.2	79.2	67.0	57.7	51.5	45.2
-52.5°	140.5	120.2	105.5	94.8	87.6	82.0	71.6	60.4	54.6	48.8	42.8
-55°	116.4	104.5	94.8	88.1	82.9	74.3	63.7	56.9	51.4	45.9	40.3
-57.5°	101.7	93.0	87.6	82.9	75.3	65.5	58.2	53.2	48.1	43.0	37.7
-60°	90.2	86.2	82.0	74.3	65.5	58.7	54.1	49.5	44.8	40.0	35.1
-62.5°	83.9	79.2	71.6	63.7	58.2	54.1	49.9	45.7	41.3	36.9	32.4
-65°	73.7	67.0	60.4	56.9	53.2	49.5	45.7	41.8	37.8	33.7	29.6
-67.5°	60.7	57.7	54.6	51.4	48.1	44.8	41.3	37.8	34.2	30.5	26.8
-70°	54.2	51.5	48.8	45.9	43.0	40.0	36.9	33.7	30.5	27.2	23.9
-72.5°	47.6	45.2	42.8	40.3	37.7	35.1	32.4	29.6	26.8	23.9	21.1
-75°	40.9	38.9	36.8	34.6	32.4	30.1	27.8	25.5	23.1	20.6	18.1
-77.5°	34.1	32.4	30.7	28.9	27.1	25.2	23.3	21.3	19.3	17.2	15.1
-80°	27.3	26.0	24.6	23.2	21.7	20.2	18.7	17.1	15.4	13.8	12.1
-82.5°	20.5	19.5	18.5	17.4	16.3	15.2	14.0	12.8	11.6	10.3	9.1
-85°	13.7	13.0	12.3	11.6	10.9	10.1	9.3	8.5	7.7	6.9	6.1
-87.5°	6.8	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.9	3.5	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
85°	5.2	4.4	3.5	2.6	1.8	0.9	0.0
82.5°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
80°	10.4	8.7	7.0	5.2	3.5	1.8	0.0
77.5°	13.0	10.9	8.7	6.5	4.4	2.2	0.0
75°	15.6	13.0	10.4	7.8	5.2	2.6	0.0
72.5°	18.1	15.1	12.1	9.1	6.1	3.0	0.0
70°	20.6	17.2	13.8	10.3	6.9	3.5	0.0
67.5°	23.1	19.3	15.4	11.6	7.7	3.9	0.0
65°	25.5	21.3	17.1	12.8	8.5	4.3	0.0
62.5°	27.8	23.3	18.7	14.0	9.3	4.7	0.0
60°	30.1	25.2	20.2	15.2	10.1	5.0	0.0
57.5°	32.4	27.1	21.7	16.3	10.9	5.4	0.0
55°	34.6	28.9	23.2	17.4	11.6	5.8	0.0
52.5°	36.8	30.7	24.6	18.5	12.3	6.1	0.0
50°	38.9	32.4	26.0	19.5	13.0	6.5	0.0
47.5°	40.9	34.1	27.3	20.5	13.7	6.8	0.0
45°	42.8	35.7	28.6	21.5	14.3	7.1	0.0
42.5°	44.6	37.3	29.8	22.4	14.9	7.4	0.0
40°	46.4	38.7	31.0	23.3	15.5	7.7	0.0
37.5°	48.1	40.1	32.1	24.1	16.1	8.0	0.0
35°	49.7	41.5	33.2	24.9	16.6	8.3	0.0
32.5°	51.1	42.7	34.2	25.6	17.1	8.5	0.0
30°	52.5	43.8	35.1	26.3	17.6	8.7	0.0
27.5°	53.8	44.9	36.0	27.0	18.0	9.0	0.0
25°	55.0	45.9	36.7	27.5	18.4	9.2	0.0
22.5°	56.1	46.8	37.5	28.1	18.7	9.3	0.0
20°	57.1	47.6	38.1	28.6	19.1	9.5	0.0
17.5°	57.9	48.3	38.7	29.0	19.4	9.6	0.0
15°	58.7	49.0	39.2	29.4	19.6	9.8	0.0
12.5°	59.3	49.5	39.6	29.7	19.8	9.9	0.0
10°	59.9	49.9	40.0	29.9	20.0	9.9	0.0
7.5°	60.3	50.3	40.2	30.1	20.1	10.0	0.0
5°	60.6	50.5	40.4	30.3	20.2	10.1	0.0
2.5°	60.7	50.7	40.6	30.4	20.3	10.1	0.0
0°	60.8	50.7	40.6	30.4	20.3	10.1	0.0
-2.5°	60.7	50.7	40.6	30.4	20.3	10.1	0.0
-5°	60.6	50.5	40.4	30.3	20.2	10.1	0.0
-7.5°	60.3	50.3	40.2	30.1	20.1	10.0	0.0
-10°	59.9	49.9	40.0	29.9	20.0	9.9	0.0
-12.5°	59.3	49.5	39.6	29.7	19.8	9.9	0.0
-15°	58.7	49.0	39.2	29.4	19.6	9.8	0.0
-17.5°	57.9	48.3	38.7	29.0	19.4	9.6	0.0
-20°	57.1	47.6	38.1	28.6	19.1	9.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	56.1	46.8	37.5	28.1	18.7	9.3	0.0
-25°	55.0	45.9	36.7	27.5	18.4	9.2	0.0
-27.5°	53.8	44.9	36.0	27.0	18.0	9.0	0.0
-30°	52.5	43.8	35.1	26.3	17.6	8.7	0.0
-32.5°	51.1	42.7	34.2	25.6	17.1	8.5	0.0
-35°	49.7	41.5	33.2	24.9	16.6	8.3	0.0
-37.5°	48.1	40.1	32.1	24.1	16.1	8.0	0.0
-40°	46.4	38.7	31.0	23.3	15.5	7.7	0.0
-42.5°	44.6	37.3	29.8	22.4	14.9	7.4	0.0
-45°	42.8	35.7	28.6	21.5	14.3	7.1	0.0
-47.5°	40.9	34.1	27.3	20.5	13.7	6.8	0.0
-50°	38.9	32.4	26.0	19.5	13.0	6.5	0.0
-52.5°	36.8	30.7	24.6	18.5	12.3	6.1	0.0
-55°	34.6	28.9	23.2	17.4	11.6	5.8	0.0
-57.5°	32.4	27.1	21.7	16.3	10.9	5.4	0.0
-60°	30.1	25.2	20.2	15.2	10.1	5.0	0.0
-62.5°	27.8	23.3	18.7	14.0	9.3	4.7	0.0
-65°	25.5	21.3	17.1	12.8	8.5	4.3	0.0
-67.5°	23.1	19.3	15.4	11.6	7.7	3.9	0.0
-70°	20.6	17.2	13.8	10.3	6.9	3.5	0.0
-72.5°	18.1	15.1	12.1	9.1	6.1	3.0	0.0
-75°	15.6	13.0	10.4	7.8	5.2	2.6	0.0
-77.5°	13.0	10.9	8.7	6.5	4.4	2.2	0.0
-80°	10.4	8.7	7.0	5.2	3.5	1.8	0.0
-82.5°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
-85°	5.2	4.4	3.5	2.6	1.8	0.9	0.0
-87.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)