

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: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-1R-S**

Issue Date: 8/10/2023

Test Information

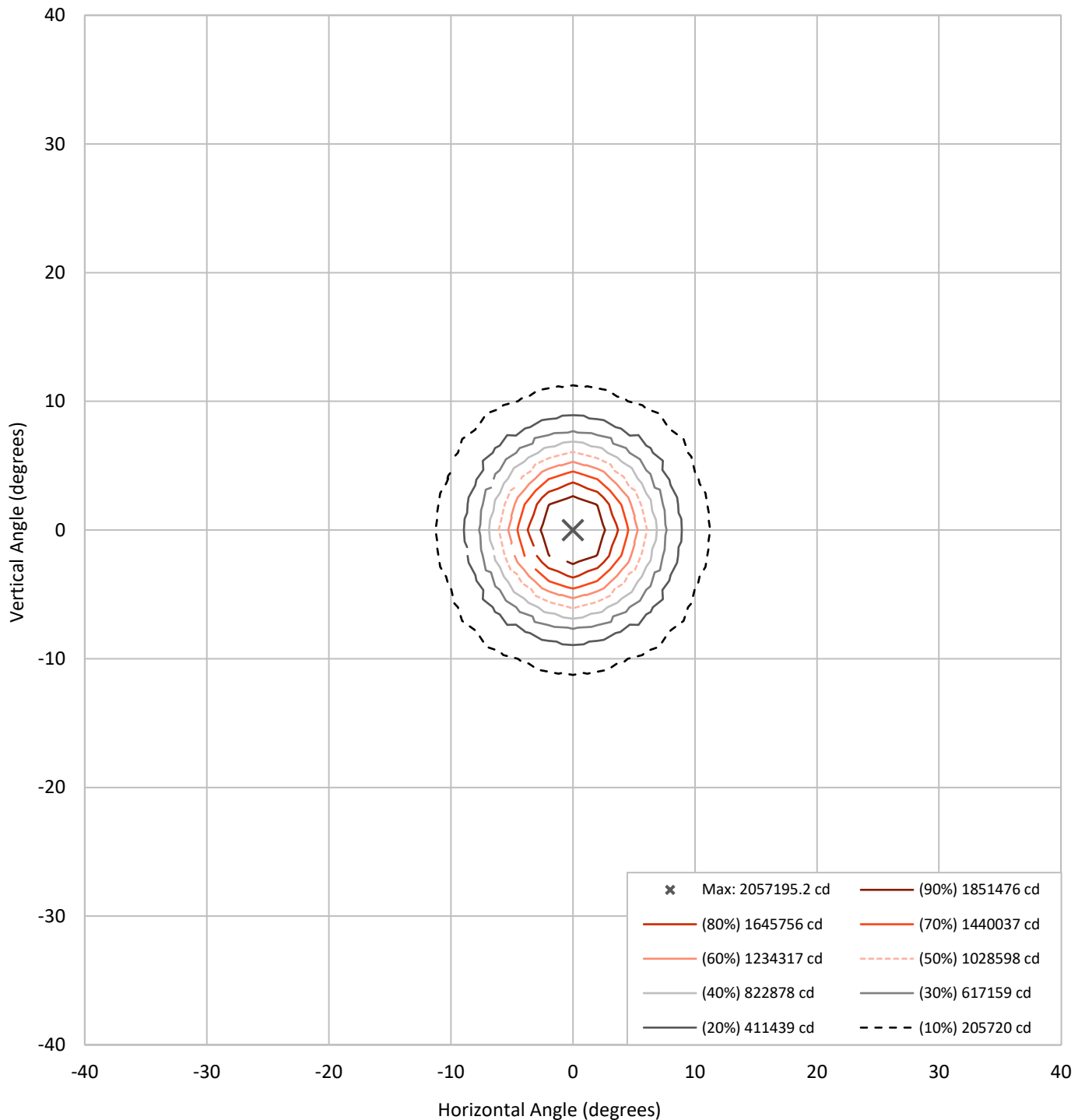
Test Method: LM-79-08
Report Number: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-47)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-1R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 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:	165636.7 lumens	Max Intensity:	2057195.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.6 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:	47335.9 lumens	Field Lumens:	89216.5 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



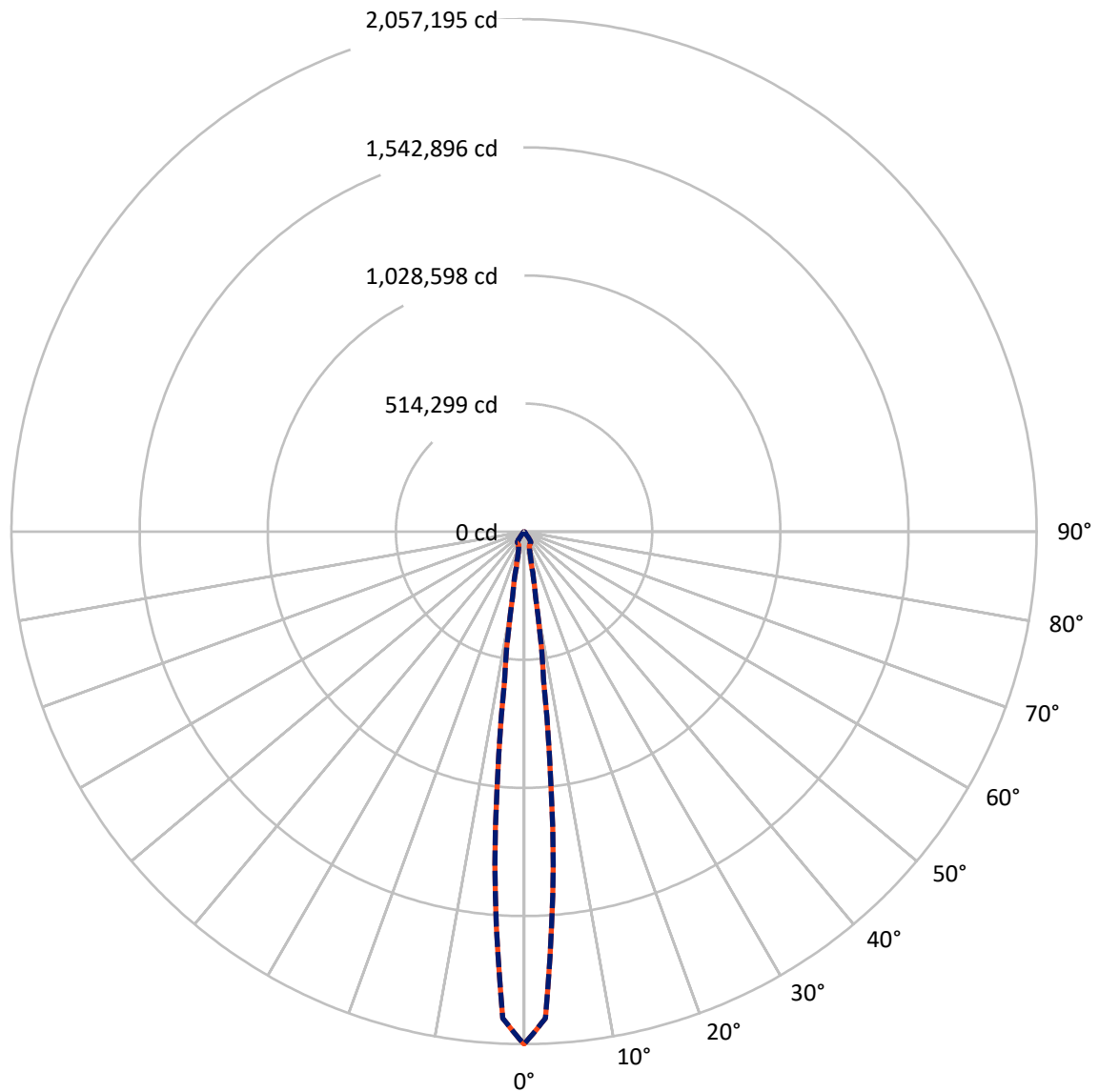
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Lumen Table

90	0.2	1.2		2.7		4.2		4.8		4.2		2.7		1.2		0.2
80	0.2	1.2		2.7		4.2		4.8		4.2		2.7		1.2		0.2
70	0.5	0.5	1.0	1.6	2.3	3.8	5.5	6.5	6.5	5.5	3.8	2.3	1.6	1.0	0.5	0.5
60		0.7	1.5	3.6	8.0	11.4	13.9	15.5	15.5	13.9	11.4	8.0	3.6	1.5	0.7	
50	0.8	1.0	3.0	8.2	13.2	21.0	38.2	62.9	62.9	38.2	21.0	13.2	8.2	3.0	1.0	0.8
40		1.2	5.7	11.4	25.9	179.7	660.7	1015.3	1015.3	660.7	179.7	25.9	11.4	5.7	1.2	
30	1.0	1.8	7.2	16.5	164.5	998.8	1530.7	1681.3	1681.3	1530.7	998.8	164.5	16.5	7.2	1.8	1.0
20		2.5	8.4	28.5	569.7	1437.2	1845.3	3013.6	3013.6	1845.3	1437.2	569.7	28.5	8.4	2.5	
10	1.1	2.9	9.1	46.1	846.4	1531.0	2932.9	22597.7	22597.7	2932.9	1531.0	846.4	46.1	9.1	2.9	1.1
0		2.9	9.1	46.1	846.4	1531.0	2932.9	22597.7	22597.7	2932.9	1531.0	846.4	46.1	9.1	2.9	
-10	1.0	2.5	8.4	28.5	569.7	1437.2	1845.3	3013.6	3013.6	1845.3	1437.2	569.7	28.5	8.4	2.5	1.0
-20		1.8	7.2	16.5	164.5	998.8	1530.7	1681.3	1681.3	1530.7	998.8	164.5	16.5	7.2	1.8	
-30	0.8	1.2	5.7	11.4	25.9	179.7	660.7	1015.3	1015.3	660.7	179.7	25.9	11.4	5.7	1.2	0.8
-40		1.0	3.0	8.2	13.2	21.0	38.2	62.9	62.9	38.2	21.0	13.2	8.2	3.0	1.0	
-50	0.5	0.7	1.5	3.6	8.0	11.4	13.9	15.5	15.5	13.9	11.4	8.0	3.6	1.5	0.7	0.5
-60		0.5	1.0	1.6	2.3	3.8	5.5	6.5	6.5	5.5	3.8	2.3	1.6	1.0	0.5	
-70	0.2	1.2		2.7		4.2		4.8		4.2		2.7		1.2		0.2
-80		1.2		2.7		4.2		4.8		4.2		2.7		1.2		
-90	0.2	1.2		2.7		4.2		4.8		4.2		2.7		1.2		0.2

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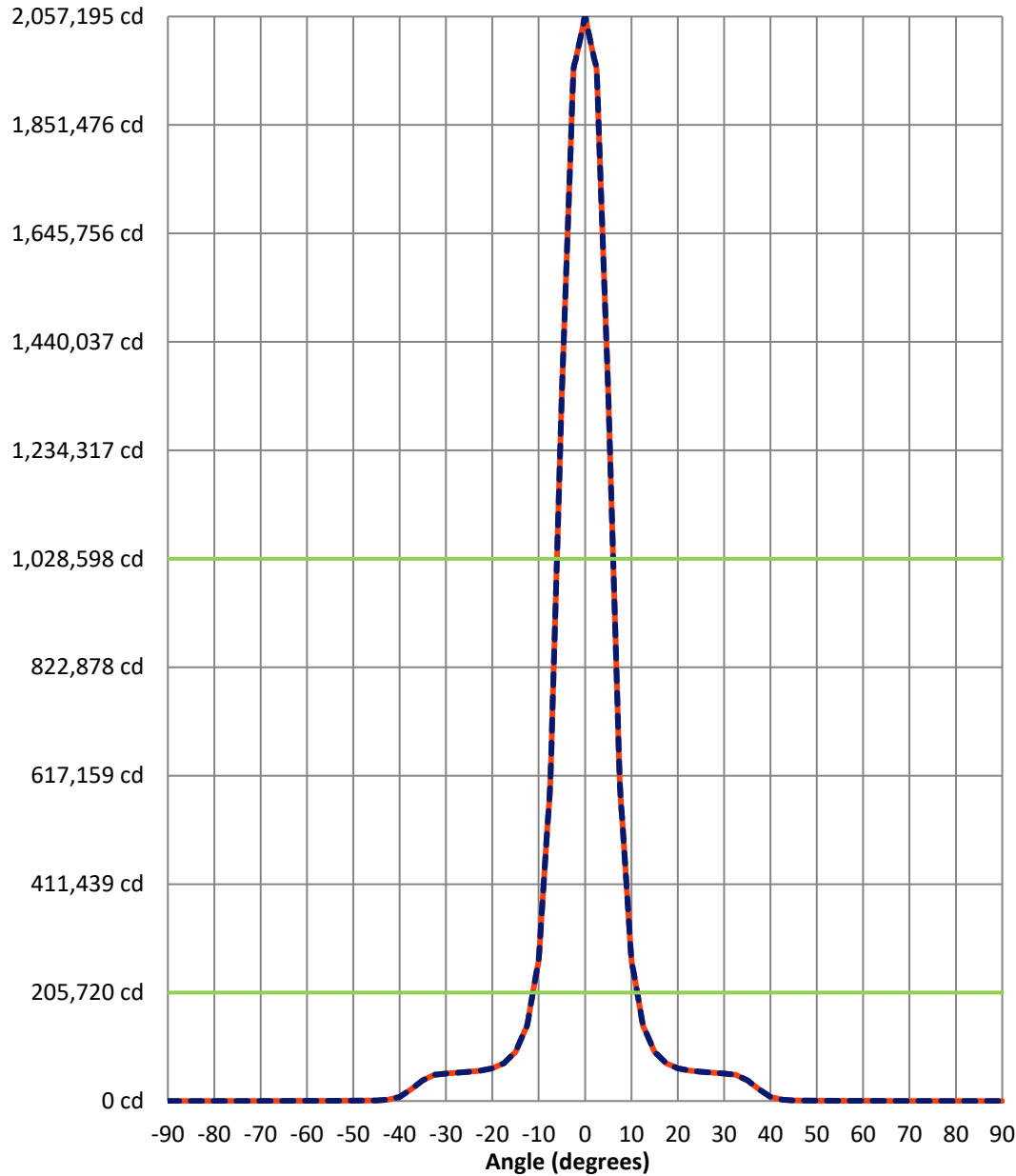
Luminous Intensity Polar Plot



— 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: 47335.9
 Efficiency: 28.6%

Field:
 H Angle: 22.5°
 V Angle: 22.5°
 Lumens: 89216.5
 Efficiency: 53.9%

Spill:
 Lumens: 76420.2
 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	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
85°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
82.5°	0.0	1.3	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	12.1
80°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.2
77.5°	0.0	2.1	4.2	6.2	8.3	10.3	12.3	14.3	16.3	18.2	20.2
75°	0.0	2.5	5.0	7.4	9.9	12.3	14.7	17.1	19.5	21.8	24.1
72.5°	0.0	2.9	5.8	8.6	11.5	14.3	17.1	19.9	22.7	25.4	28.0
70°	0.0	3.3	6.6	9.8	13.1	16.3	19.5	22.7	25.8	28.9	31.9
67.5°	0.0	3.7	7.3	11.0	14.6	18.2	21.8	25.4	28.9	32.3	35.7
65°	0.0	4.1	8.1	12.1	16.2	20.2	24.1	28.0	31.9	35.7	39.5
62.5°	0.0	4.4	8.9	13.3	17.7	22.0	26.4	30.6	34.9	39.1	43.2
60°	0.0	4.8	9.6	14.4	19.1	23.9	28.6	33.2	37.8	42.4	46.8
57.5°	0.0	5.2	10.3	15.4	20.6	25.6	30.7	35.7	40.7	45.6	50.4
55°	0.0	5.5	11.0	16.5	22.0	27.4	32.8	38.1	43.4	48.7	53.9
52.5°	0.0	5.8	11.7	17.5	23.3	29.1	34.8	40.5	46.1	51.7	57.2
50°	0.0	6.2	12.3	18.5	24.6	30.7	36.8	42.8	48.8	54.7	63.4
47.5°	0.0	6.5	13.0	19.4	25.9	32.3	38.7	45.0	51.3	57.5	69.7
45°	0.0	6.8	13.6	20.3	27.1	33.8	40.5	47.1	53.7	62.9	75.8
42.5°	0.0	7.1	14.1	21.2	28.2	35.3	42.2	49.2	56.1	68.2	79.2
40°	0.0	7.4	14.7	22.0	29.4	36.6	43.9	51.1	59.0	73.2	82.0
37.5°	0.0	7.6	15.2	22.8	30.4	38.0	45.5	53.0	63.3	77.4	84.7
35°	0.0	7.9	15.7	23.6	31.4	39.2	47.0	54.8	67.3	79.7	88.3
32.5°	0.0	8.1	16.2	24.3	32.3	40.4	48.4	56.4	71.1	81.8	93.1
30°	0.0	8.3	16.6	24.9	33.2	41.5	49.7	58.3	74.6	83.8	97.6
27.5°	0.0	8.5	17.0	25.5	34.0	42.5	51.0	61.2	77.3	85.7	101.8
25°	0.0	8.7	17.4	26.1	34.8	43.4	52.1	63.8	78.8	88.6	105.8
22.5°	0.0	8.9	17.7	26.6	35.5	44.3	53.1	66.2	80.2	91.7	112.9
20°	0.0	9.0	18.0	27.1	36.1	45.1	54.1	68.4	81.5	94.6	119.3
17.5°	0.0	9.2	18.3	27.5	36.6	45.7	54.9	70.3	82.6	97.1	125.0
15°	0.0	9.3	18.5	27.8	37.1	46.3	55.6	72.0	83.6	99.3	130.0
12.5°	0.0	9.4	18.7	28.1	37.5	46.8	56.2	73.4	84.4	101.2	134.2
10°	0.0	9.5	18.9	28.4	37.8	47.3	56.7	74.6	85.1	102.7	137.7
7.5°	0.0	9.5	19.0	28.6	38.1	47.6	57.1	75.5	85.6	103.9	140.4
5°	0.0	9.6	19.1	28.7	38.3	47.8	57.4	76.2	86.0	104.8	142.3
2.5°	0.0	9.6	19.2	28.8	38.4	48.0	57.5	76.6	86.2	105.3	143.5
0°	0.0	9.6	19.2	28.8	38.4	48.0	57.5	76.6	86.2	105.3	143.5
-2.5°	0.0	9.6	19.2	28.8	38.4	48.0	57.5	76.6	86.2	105.3	143.5
-5°	0.0	9.6	19.1	28.7	38.3	47.8	57.4	76.2	86.0	104.8	142.3
-7.5°	0.0	9.5	19.0	28.6	38.1	47.6	57.1	75.5	85.6	103.9	140.4
-10°	0.0	9.5	18.9	28.4	37.8	47.3	56.7	74.6	85.1	102.7	137.7
-12.5°	0.0	9.4	18.7	28.1	37.5	46.8	56.2	73.4	84.4	101.2	134.2
-15°	0.0	9.3	18.5	27.8	37.1	46.3	55.6	72.0	83.6	99.3	130.0
-17.5°	0.0	9.2	18.3	27.5	36.6	45.7	54.9	70.3	82.6	97.1	125.0
-20°	0.0	9.0	18.0	27.1	36.1	45.1	54.1	68.4	81.5	94.6	119.3



REPORT NUMBER: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.9	17.7	26.6	35.5	44.3	53.1	66.2	80.2	91.7	112.9
-25°	0.0	8.7	17.4	26.1	34.8	43.4	52.1	63.8	78.8	88.6	105.8
-27.5°	0.0	8.5	17.0	25.5	34.0	42.5	51.0	61.2	77.3	85.7	101.8
-30°	0.0	8.3	16.6	24.9	33.2	41.5	49.7	58.3	74.6	83.8	97.6
-32.5°	0.0	8.1	16.2	24.3	32.3	40.4	48.4	56.4	71.1	81.8	93.1
-35°	0.0	7.9	15.7	23.6	31.4	39.2	47.0	54.8	67.3	79.7	88.3
-37.5°	0.0	7.6	15.2	22.8	30.4	38.0	45.5	53.0	63.3	77.4	84.7
-40°	0.0	7.4	14.7	22.0	29.4	36.6	43.9	51.1	59.0	73.2	82.0
-42.5°	0.0	7.1	14.1	21.2	28.2	35.3	42.2	49.2	56.1	68.2	79.2
-45°	0.0	6.8	13.6	20.3	27.1	33.8	40.5	47.1	53.7	62.9	75.8
-47.5°	0.0	6.5	13.0	19.4	25.9	32.3	38.7	45.0	51.3	57.5	69.7
-50°	0.0	6.2	12.3	18.5	24.6	30.7	36.8	42.8	48.8	54.7	63.4
-52.5°	0.0	5.8	11.7	17.5	23.3	29.1	34.8	40.5	46.1	51.7	57.2
-55°	0.0	5.5	11.0	16.5	22.0	27.4	32.8	38.1	43.4	48.7	53.9
-57.5°	0.0	5.2	10.3	15.4	20.6	25.6	30.7	35.7	40.7	45.6	50.4
-60°	0.0	4.8	9.6	14.4	19.1	23.9	28.6	33.2	37.8	42.4	46.8
-62.5°	0.0	4.4	8.9	13.3	17.7	22.0	26.4	30.6	34.9	39.1	43.2
-65°	0.0	4.1	8.1	12.1	16.2	20.2	24.1	28.0	31.9	35.7	39.5
-67.5°	0.0	3.7	7.3	11.0	14.6	18.2	21.8	25.4	28.9	32.3	35.7
-70°	0.0	3.3	6.6	9.8	13.1	16.3	19.5	22.7	25.8	28.9	31.9
-72.5°	0.0	2.9	5.8	8.6	11.5	14.3	17.1	19.9	22.7	25.4	28.0
-75°	0.0	2.5	5.0	7.4	9.9	12.3	14.7	17.1	19.5	21.8	24.1
-77.5°	0.0	2.1	4.2	6.2	8.3	10.3	12.3	14.3	16.3	18.2	20.2
-80°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.2
-82.5°	0.0	1.3	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	12.1
-85°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
-87.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-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: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1R-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°	4.4	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.1	7.4	7.6
85°	8.9	9.6	10.3	11.0	11.7	12.3	13.0	13.6	14.1	14.7	15.2
82.5°	13.3	14.4	15.4	16.5	17.5	18.5	19.4	20.3	21.2	22.0	22.8
80°	17.7	19.1	20.6	22.0	23.3	24.6	25.9	27.1	28.2	29.4	30.4
77.5°	22.0	23.9	25.6	27.4	29.1	30.7	32.3	33.8	35.3	36.6	38.0
75°	26.4	28.6	30.7	32.8	34.8	36.8	38.7	40.5	42.2	43.9	45.5
72.5°	30.6	33.2	35.7	38.1	40.5	42.8	45.0	47.1	49.2	51.1	53.0
70°	34.9	37.8	40.7	43.4	46.1	48.8	51.3	53.7	56.1	59.0	63.3
67.5°	39.1	42.4	45.6	48.7	51.7	54.7	57.5	62.9	68.2	73.2	77.4
65°	43.2	46.8	50.4	53.9	57.2	63.4	69.7	75.8	79.2	82.0	84.7
62.5°	47.3	51.3	55.2	60.3	67.7	74.9	79.3	82.7	85.9	91.8	97.7
60°	51.3	55.6	62.1	70.3	77.5	81.5	85.3	91.7	98.8	105.8	118.9
57.5°	55.2	62.1	71.2	78.4	82.8	87.9	96.2	104.2	118.4	133.2	166.1
55°	60.3	70.3	78.4	83.3	89.7	98.9	110.1	127.4	145.5	246.0	342.3
52.5°	67.7	77.5	82.8	89.7	99.8	113.7	132.9	191.5	303.9	384.8	389.0
50°	74.9	81.5	87.9	98.9	113.7	134.8	214.7	339.0	386.7	391.4	395.8
47.5°	79.3	85.3	96.2	110.1	132.9	214.7	350.7	387.7	392.8	397.8	402.6
45°	82.7	91.7	104.2	127.4	191.5	339.0	387.7	393.3	398.8	413.2	459.0
42.5°	85.9	98.8	118.4	145.5	303.9	386.7	392.8	398.8	417.7	468.1	525.9
40°	91.8	105.8	133.2	246.0	384.8	391.4	397.8	413.2	468.1	532.1	600.9
37.5°	97.7	118.9	166.1	342.3	389.0	395.8	402.6	459.0	525.9	600.9	702.6
35°	103.4	131.3	250.6	385.7	393.0	400.1	440.9	507.4	588.3	693.4	796.0
32.5°	111.9	143.0	330.6	389.2	396.7	414.2	480.1	563.3	666.2	780.6	874.7
30°	122.0	207.1	384.6	392.5	400.3	448.7	526.4	621.3	746.5	851.2	960.3
27.5°	131.3	271.3	387.4	395.5	409.2	481.0	572.8	692.0	812.6	921.5	1046.9
25°	139.9	330.6	390.0	398.4	436.9	518.3	621.0	758.0	871.0	997.6	1688.8
22.5°	168.1	383.7	392.4	401.0	462.4	555.1	677.4	809.8	930.0	1097.3	2433.1
20°	212.5	385.7	394.5	406.9	485.5	588.6	728.8	855.6	990.0	1732.3	4112.0
17.5°	252.1	387.5	396.5	425.8	511.8	624.5	773.6	896.7	1044.0	2305.2	6097.9
15°	286.7	389.0	398.2	442.4	536.0	661.8	806.9	939.5	1327.9	3132.5	7952.4
12.5°	316.1	390.3	399.6	456.6	556.6	693.7	835.5	977.2	1729.9	4533.3	12284.8
10°	340.3	391.4	400.8	468.2	573.7	720.0	859.1	1008.4	2063.4	5697.2	15892.5
7.5°	359.3	392.2	401.7	477.4	587.0	740.6	877.7	1033.0	2325.7	6614.0	18739.7
5°	372.8	392.8	402.4	483.9	596.6	755.5	891.0	1050.6	2514.6	7275.3	20796.4
2.5°	381.0	393.2	402.8	487.9	602.4	764.4	899.0	1061.2	2628.6	7674.6	22039.7
0°	383.7	393.3	402.9	489.2	604.3	767.4	901.7	1064.8	2666.7	7808.2	22455.8
-2.5°	381.0	393.2	402.8	487.9	602.4	764.4	899.0	1061.2	2628.6	7674.6	22039.7
-5°	372.8	392.8	402.4	483.9	596.6	755.5	891.0	1050.6	2514.6	7275.3	20796.4
-7.5°	359.3	392.2	401.7	477.4	587.0	740.6	877.7	1033.0	2325.7	6614.0	18739.7
-10°	340.3	391.4	400.8	468.2	573.7	720.0	859.1	1008.4	2063.4	5697.2	15892.5
-12.5°	316.1	390.3	399.6	456.6	556.6	693.7	835.5	977.2	1729.9	4533.3	12284.8
-15°	286.7	389.0	398.2	442.4	536.0	661.8	806.9	939.5	1327.9	3132.5	7952.4
-17.5°	252.1	387.5	396.5	425.8	511.8	624.5	773.6	896.7	1044.0	2305.2	6097.9
-20°	212.5	385.7	394.5	406.9	485.5	588.6	728.8	855.6	990.0	1732.3	4112.0



REPORT NUMBER: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	168.1	383.7	392.4	401.0	462.4	555.1	677.4	809.8	930.0	1097.3	2433.1
-25°	139.9	330.6	390.0	398.4	436.9	518.3	621.0	758.0	871.0	997.6	1688.8
-27.5°	131.3	271.3	387.4	395.5	409.2	481.0	572.8	692.0	812.6	921.5	1046.9
-30°	122.0	207.1	384.6	392.5	400.3	448.7	526.4	621.3	746.5	851.2	960.3
-32.5°	111.9	143.0	330.6	389.2	396.7	414.2	480.1	563.3	666.2	780.6	874.7
-35°	103.4	131.3	250.6	385.7	393.0	400.1	440.9	507.4	588.3	693.4	796.0
-37.5°	97.7	118.9	166.1	342.3	389.0	395.8	402.6	459.0	525.9	600.9	702.6
-40°	91.8	105.8	133.2	246.0	384.8	391.4	397.8	413.2	468.1	532.1	600.9
-42.5°	85.9	98.8	118.4	145.5	303.9	386.7	392.8	398.8	417.7	468.1	525.9
-45°	82.7	91.7	104.2	127.4	191.5	339.0	387.7	393.3	398.8	413.2	459.0
-47.5°	79.3	85.3	96.2	110.1	132.9	214.7	350.7	387.7	392.8	397.8	402.6
-50°	74.9	81.5	87.9	98.9	113.7	134.8	214.7	339.0	386.7	391.4	395.8
-52.5°	67.7	77.5	82.8	89.7	99.8	113.7	132.9	191.5	303.9	384.8	389.0
-55°	60.3	70.3	78.4	83.3	89.7	98.9	110.1	127.4	145.5	246.0	342.3
-57.5°	55.2	62.1	71.2	78.4	82.8	87.9	96.2	104.2	118.4	133.2	166.1
-60°	51.3	55.6	62.1	70.3	77.5	81.5	85.3	91.7	98.8	105.8	118.9
-62.5°	47.3	51.3	55.2	60.3	67.7	74.9	79.3	82.7	85.9	91.8	97.7
-65°	43.2	46.8	50.4	53.9	57.2	63.4	69.7	75.8	79.2	82.0	84.7
-67.5°	39.1	42.4	45.6	48.7	51.7	54.7	57.5	62.9	68.2	73.2	77.4
-70°	34.9	37.8	40.7	43.4	46.1	48.8	51.3	53.7	56.1	59.0	63.3
-72.5°	30.6	33.2	35.7	38.1	40.5	42.8	45.0	47.1	49.2	51.1	53.0
-75°	26.4	28.6	30.7	32.8	34.8	36.8	38.7	40.5	42.2	43.9	45.5
-77.5°	22.0	23.9	25.6	27.4	29.1	30.7	32.3	33.8	35.3	36.6	38.0
-80°	17.7	19.1	20.6	22.0	23.3	24.6	25.9	27.1	28.2	29.4	30.4
-82.5°	13.3	14.4	15.4	16.5	17.5	18.5	19.4	20.3	21.2	22.0	22.8
-85°	8.9	9.6	10.3	11.0	11.7	12.3	13.0	13.6	14.1	14.7	15.2
-87.5°	4.4	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.1	7.4	7.6
-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: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1R-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°	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.4	9.5
85°	15.7	16.2	16.6	17.0	17.4	17.7	18.0	18.3	18.5	18.7	18.9
82.5°	23.6	24.3	24.9	25.5	26.1	26.6	27.1	27.5	27.8	28.1	28.4
80°	31.4	32.3	33.2	34.0	34.8	35.5	36.1	36.6	37.1	37.5	37.8
77.5°	39.2	40.4	41.5	42.5	43.4	44.3	45.1	45.7	46.3	46.8	47.3
75°	47.0	48.4	49.7	51.0	52.1	53.1	54.1	54.9	55.6	56.2	56.7
72.5°	54.8	56.4	58.3	61.2	63.8	66.2	68.4	70.3	72.0	73.4	74.6
70°	67.3	71.1	74.6	77.3	78.8	80.2	81.5	82.6	83.6	84.4	85.1
67.5°	79.7	81.8	83.8	85.7	88.6	91.7	94.6	97.1	99.3	101.2	102.7
65°	88.3	93.1	97.6	101.8	105.8	112.9	119.3	125.0	130.0	134.2	137.7
62.5°	103.4	111.9	122.0	131.3	139.9	168.1	212.5	252.1	286.7	316.1	340.3
60°	131.3	143.0	207.1	271.3	330.6	383.7	385.7	387.5	389.0	390.3	391.4
57.5°	250.6	330.6	384.6	387.4	390.0	392.4	394.5	396.5	398.2	399.6	400.8
55°	385.7	389.2	392.5	395.5	398.4	401.0	406.9	425.8	442.4	456.6	468.2
52.5°	393.0	396.7	400.3	409.2	436.9	462.4	485.5	511.8	536.0	556.6	573.7
50°	400.1	414.2	448.7	481.0	518.3	555.1	588.6	624.5	661.8	693.7	720.0
47.5°	440.9	480.1	526.4	572.8	621.0	677.4	728.8	773.6	806.9	835.5	859.1
45°	507.4	563.3	621.3	692.0	758.0	809.8	855.6	896.7	939.5	977.2	1008.4
42.5°	588.3	666.2	746.5	812.6	871.0	930.0	990.0	1044.0	1327.9	1729.9	2063.4
40°	693.4	780.6	851.2	921.5	997.6	1097.3	1732.3	2305.2	3132.5	4533.3	5697.2
37.5°	796.0	874.7	960.3	1046.9	1688.8	2433.1	4112.0	6097.9	7952.4	12284.8	15892.5
35°	882.6	979.9	1184.4	2091.2	3564.6	6127.4	9750.7	15859.5	21293.1	26563.2	31118.0
32.5°	979.9	1283.6	2294.9	4570.8	7502.1	14760.9	22001.5	29574.4	36399.4	41197.1	44220.5
30°	1184.4	2294.9	4909.2	8922.5	17827.7	26802.0	35825.7	42261.8	46765.5	49982.3	50752.6
27.5°	2091.2	4570.8	8922.5	18860.5	29278.6	39574.3	45475.1	50029.9	51169.3	52168.7	52752.0
25°	3564.6	7502.1	17827.7	29278.6	40362.3	47112.8	50624.1	51990.0	52900.2	53653.3	54301.2
22.5°	6127.4	14760.9	26802.0	39574.3	47112.8	50825.1	52336.3	53353.1	54289.2	55128.8	55957.0
20°	9750.7	22001.5	35825.7	45475.1	50624.1	52336.3	53506.7	54618.0	55688.3	56919.8	58175.2
17.5°	15859.5	29574.4	42261.8	50029.9	51990.0	53353.1	54618.0	55923.7	57418.9	59693.3	61966.7
15°	21293.1	36399.4	46765.5	51169.3	52900.2	54289.2	55688.3	57418.9	60214.0	64301.7	70007.5
12.5°	26563.2	41197.1	49982.3	52168.7	53653.3	55128.8	56919.8	59693.3	64301.7	71393.3	85009.3
10°	31118.0	44220.5	50752.6	52752.0	54301.2	55957.0	58175.2	61966.7	70007.5	85009.3	106535.1
7.5°	34720.7	46618.6	51365.6	53217.0	54824.3	56733.3	59841.3	66011.0	78383.6	99967.9	144210.3
5°	37327.8	48357.7	51811.5	53556.4	55207.8	57305.5	61079.1	69173.1	86419.1	119550.7	194555.5
2.5°	38905.9	49412.1	52082.3	53763.1	55442.0	57656.6	61842.9	71140.3	91478.5	136372.5	248321.0
0°	39434.3	49765.4	52173.1	53832.5	55520.8	57775.0	62101.2	71808.7	93209.3	143535.9	268644.7
-2.5°	38905.9	49412.1	52082.3	53763.1	55442.0	57656.6	61842.9	71140.3	91478.5	136372.5	248321.0
-5°	37327.8	48357.7	51811.5	53556.4	55207.8	57305.5	61079.1	69173.1	86419.1	119550.7	194555.5
-7.5°	34720.7	46618.6	51365.6	53217.0	54824.3	56733.3	59841.3	66011.0	78383.6	99967.9	144210.3
-10°	31118.0	44220.5	50752.6	52752.0	54301.2	55957.0	58175.2	61966.7	70007.5	85009.3	106535.1
-12.5°	26563.2	41197.1	49982.3	52168.7	53653.3	55128.8	56919.8	59693.3	64301.7	71393.3	85009.3
-15°	21293.1	36399.4	46765.5	51169.3	52900.2	54289.2	55688.3	57418.9	60214.0	64301.7	70007.5
-17.5°	15859.5	29574.4	42261.8	50029.9	51990.0	53353.1	54618.0	55923.7	57418.9	59693.3	61966.7
-20°	9750.7	22001.5	35825.7	45475.1	50624.1	52336.3	53506.7	54618.0	55688.3	56919.8	58175.2



REPORT NUMBER: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6127.4	14760.9	26802.0	39574.3	47112.8	50825.1	52336.3	53353.1	54289.2	55128.8	55957.0
-25°	3564.6	7502.1	17827.7	29278.6	40362.3	47112.8	50624.1	51990.0	52900.2	53653.3	54301.2
-27.5°	2091.2	4570.8	8922.5	18860.5	29278.6	39574.3	45475.1	50029.9	51169.3	52168.7	52752.0
-30°	1184.4	2294.9	4909.2	8922.5	17827.7	26802.0	35825.7	42261.8	46765.5	49982.3	50752.6
-32.5°	979.9	1283.6	2294.9	4570.8	7502.1	14760.9	22001.5	29574.4	36399.4	41197.1	44220.5
-35°	882.6	979.9	1184.4	2091.2	3564.6	6127.4	9750.7	15859.5	21293.1	26563.2	31118.0
-37.5°	796.0	874.7	960.3	1046.9	1688.8	2433.1	4112.0	6097.9	7952.4	12284.8	15892.5
-40°	693.4	780.6	851.2	921.5	997.6	1097.3	1732.3	2305.2	3132.5	4533.3	5697.2
-42.5°	588.3	666.2	746.5	812.6	871.0	930.0	990.0	1044.0	1327.9	1729.9	2063.4
-45°	507.4	563.3	621.3	692.0	758.0	809.8	855.6	896.7	939.5	977.2	1008.4
-47.5°	440.9	480.1	526.4	572.8	621.0	677.4	728.8	773.6	806.9	835.5	859.1
-50°	400.1	414.2	448.7	481.0	518.3	555.1	588.6	624.5	661.8	693.7	720.0
-52.5°	393.0	396.7	400.3	409.2	436.9	462.4	485.5	511.8	536.0	556.6	573.7
-55°	385.7	389.2	392.5	395.5	398.4	401.0	406.9	425.8	442.4	456.6	468.2
-57.5°	250.6	330.6	384.6	387.4	390.0	392.4	394.5	396.5	398.2	399.6	400.8
-60°	131.3	143.0	207.1	271.3	330.6	383.7	385.7	387.5	389.0	390.3	391.4
-62.5°	103.4	111.9	122.0	131.3	139.9	168.1	212.5	252.1	286.7	316.1	340.3
-65°	88.3	93.1	97.6	101.8	105.8	112.9	119.3	125.0	130.0	134.2	137.7
-67.5°	79.7	81.8	83.8	85.7	88.6	91.7	94.6	97.1	99.3	101.2	102.7
-70°	67.3	71.1	74.6	77.3	78.8	80.2	81.5	82.6	83.6	84.4	85.1
-72.5°	54.8	56.4	58.3	61.2	63.8	66.2	68.4	70.3	72.0	73.4	74.6
-75°	47.0	48.4	49.7	51.0	52.1	53.1	54.1	54.9	55.6	56.2	56.7
-77.5°	39.2	40.4	41.5	42.5	43.4	44.3	45.1	45.7	46.3	46.8	47.3
-80°	31.4	32.3	33.2	34.0	34.8	35.5	36.1	36.6	37.1	37.5	37.8
-82.5°	23.6	24.3	24.9	25.5	26.1	26.6	27.1	27.5	27.8	28.1	28.4
-85°	15.7	16.2	16.6	17.0	17.4	17.7	18.0	18.3	18.5	18.7	18.9
-87.5°	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.4	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: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1R-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°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.2
85°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.9	18.7	18.5	18.3
82.5°	28.6	28.7	28.8	28.8	28.8	28.7	28.6	28.4	28.1	27.8	27.5
80°	38.1	38.3	38.4	38.4	38.4	38.3	38.1	37.8	37.5	37.1	36.6
77.5°	47.6	47.8	48.0	48.0	48.0	47.8	47.6	47.3	46.8	46.3	45.7
75°	57.1	57.4	57.5	57.6	57.5	57.4	57.1	56.7	56.2	55.6	54.9
72.5°	75.5	76.2	76.6	76.7	76.6	76.2	75.5	74.6	73.4	72.0	70.3
70°	85.6	86.0	86.2	86.3	86.2	86.0	85.6	85.1	84.4	83.6	82.6
67.5°	103.9	104.8	105.3	105.5	105.3	104.8	103.9	102.7	101.2	99.3	97.1
65°	140.4	142.3	143.5	143.9	143.5	142.3	140.4	137.7	134.2	130.0	125.0
62.5°	359.3	372.8	381.0	383.7	381.0	372.8	359.3	340.3	316.1	286.7	252.1
60°	392.2	392.8	393.2	393.3	393.2	392.8	392.2	391.4	390.3	389.0	387.5
57.5°	401.7	402.4	402.8	402.9	402.8	402.4	401.7	400.8	399.6	398.2	396.5
55°	477.4	483.9	487.9	489.2	487.9	483.9	477.4	468.2	456.6	442.4	425.8
52.5°	587.0	596.6	602.4	604.3	602.4	596.6	587.0	573.7	556.6	536.0	511.8
50°	740.6	755.5	764.4	767.4	764.4	755.5	740.6	720.0	693.7	661.8	624.5
47.5°	877.7	891.0	899.0	901.7	899.0	891.0	877.7	859.1	835.5	806.9	773.6
45°	1033.0	1050.6	1061.2	1064.8	1061.2	1050.6	1033.0	1008.4	977.2	939.5	896.7
42.5°	2325.7	2514.6	2628.6	2666.7	2628.6	2514.6	2325.7	2063.4	1729.9	1327.9	1044.0
40°	6614.0	7275.3	7674.6	7808.2	7674.6	7275.3	6614.0	5697.2	4533.3	3132.5	2305.2
37.5°	18739.7	20796.4	22039.7	22455.8	22039.7	20796.4	18739.7	15892.5	12284.8	7952.4	6097.9
35°	34720.7	37327.8	38905.9	39434.3	38905.9	37327.8	34720.7	31118.0	26563.2	21293.1	15859.5
32.5°	46618.6	48357.7	49412.1	49765.4	49412.1	48357.7	46618.6	44220.5	41197.1	36399.4	29574.4
30°	51365.6	51811.5	52082.3	52173.1	52082.3	51811.5	51365.6	50752.6	49982.3	46765.5	42261.8
27.5°	53217.0	53556.4	53763.1	53832.5	53763.1	53556.4	53217.0	52752.0	52168.7	51169.3	50029.9
25°	54824.3	55207.8	55442.0	55520.8	55442.0	55207.8	54824.3	54301.2	53653.3	52900.2	51990.0
22.5°	56733.3	57305.5	57656.6	57775.0	57656.6	57305.5	56733.3	55957.0	55128.8	54289.2	53353.1
20°	59841.3	61079.1	61842.9	62101.2	61842.9	61079.1	59841.3	58175.2	56919.8	55688.3	54618.0
17.5°	66011.0	69173.1	71140.3	71808.7	71140.3	69173.1	66011.0	61966.7	59693.3	57418.9	55923.7
15°	78383.6	86419.1	91478.5	93209.3	91478.5	86419.1	78383.6	70007.5	64301.7	60214.0	57418.9
12.5°	99967.9	119550.7	136372.5	143535.9	136372.5	119550.7	99967.9	85009.3	71393.3	64301.7	59693.3
10°	144210.3	194555.5	248321.0	268644.7	248321.0	194555.5	144210.3	106535.1	85009.3	70007.5	61966.7
7.5°	229194.3	367269.5	524399.6	603237.1	524399.6	367269.5	229194.3	144210.3	99967.9	78383.6	66011.0
5°	367269.5	687935.6	#####	#####	#####	687935.6	367269.5	194555.5	119550.7	86419.1	69173.1
2.5°	524399.6	#####	#####	#####	#####	#####	524399.6	248321.0	136372.5	91478.5	71140.3
0°	603237.1	#####	#####	#####	#####	#####	603237.1	268644.7	143535.9	93209.3	71808.7
-2.5°	524399.6	#####	#####	#####	#####	#####	524399.6	248321.0	136372.5	91478.5	71140.3
-5°	367269.5	687935.6	#####	#####	#####	687935.6	367269.5	194555.5	119550.7	86419.1	69173.1
-7.5°	229194.3	367269.5	524399.6	603237.1	524399.6	367269.5	229194.3	144210.3	99967.9	78383.6	66011.0
-10°	144210.3	194555.5	248321.0	268644.7	248321.0	194555.5	144210.3	106535.1	85009.3	70007.5	61966.7
-12.5°	99967.9	119550.7	136372.5	143535.9	136372.5	119550.7	99967.9	85009.3	71393.3	64301.7	59693.3
-15°	78383.6	86419.1	91478.5	93209.3	91478.5	86419.1	78383.6	70007.5	64301.7	60214.0	57418.9
-17.5°	66011.0	69173.1	71140.3	71808.7	71140.3	69173.1	66011.0	61966.7	59693.3	57418.9	55923.7
-20°	59841.3	61079.1	61842.9	62101.2	61842.9	61079.1	59841.3	58175.2	56919.8	55688.3	54618.0



REPORT NUMBER: P699999 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	56733.3	57305.5	57656.6	57775.0	57656.6	57305.5	56733.3	55957.0	55128.8	54289.2	53353.1
-25°	54824.3	55207.8	55442.0	55520.8	55442.0	55207.8	54824.3	54301.2	53653.3	52900.2	51990.0
-27.5°	53217.0	53556.4	53763.1	53832.5	53763.1	53556.4	53217.0	52752.0	52168.7	51169.3	50029.9
-30°	51365.6	51811.5	52082.3	52173.1	52082.3	51811.5	51365.6	50752.6	49982.3	46765.5	42261.8
-32.5°	46618.6	48357.7	49412.1	49765.4	49412.1	48357.7	46618.6	44220.5	41197.1	36399.4	29574.4
-35°	34720.7	37327.8	38905.9	39434.3	38905.9	37327.8	34720.7	31118.0	26563.2	21293.1	15859.5
-37.5°	18739.7	20796.4	22039.7	22455.8	22039.7	20796.4	18739.7	15892.5	12284.8	7952.4	6097.9
-40°	6614.0	7275.3	7674.6	7808.2	7674.6	7275.3	6614.0	5697.2	4533.3	3132.5	2305.2
-42.5°	2325.7	2514.6	2628.6	2666.7	2628.6	2514.6	2325.7	2063.4	1729.9	1327.9	1044.0
-45°	1033.0	1050.6	1061.2	1064.8	1061.2	1050.6	1033.0	1008.4	977.2	939.5	896.7
-47.5°	877.7	891.0	899.0	901.7	899.0	891.0	877.7	859.1	835.5	806.9	773.6
-50°	740.6	755.5	764.4	767.4	764.4	755.5	740.6	720.0	693.7	661.8	624.5
-52.5°	587.0	596.6	602.4	604.3	602.4	596.6	587.0	573.7	556.6	536.0	511.8
-55°	477.4	483.9	487.9	489.2	487.9	483.9	477.4	468.2	456.6	442.4	425.8
-57.5°	401.7	402.4	402.8	402.9	402.8	402.4	401.7	400.8	399.6	398.2	396.5
-60°	392.2	392.8	393.2	393.3	393.2	392.8	392.2	391.4	390.3	389.0	387.5
-62.5°	359.3	372.8	381.0	383.7	381.0	372.8	359.3	340.3	316.1	286.7	252.1
-65°	140.4	142.3	143.5	143.9	143.5	142.3	140.4	137.7	134.2	130.0	125.0
-67.5°	103.9	104.8	105.3	105.5	105.3	104.8	103.9	102.7	101.2	99.3	97.1
-70°	85.6	86.0	86.2	86.3	86.2	86.0	85.6	85.1	84.4	83.6	82.6
-72.5°	75.5	76.2	76.6	76.7	76.6	76.2	75.5	74.6	73.4	72.0	70.3
-75°	57.1	57.4	57.5	57.6	57.5	57.4	57.1	56.7	56.2	55.6	54.9
-77.5°	47.6	47.8	48.0	48.0	48.0	47.8	47.6	47.3	46.8	46.3	45.7
-80°	38.1	38.3	38.4	38.4	38.4	38.3	38.1	37.8	37.5	37.1	36.6
-82.5°	28.6	28.7	28.8	28.8	28.8	28.7	28.6	28.4	28.1	27.8	27.5
-85°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.9	18.7	18.5	18.3
-87.5°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	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: P699999 (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	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
85°	18.0	17.7	17.4	17.0	16.6	16.2	15.7	15.2	14.7	14.1	13.6
82.5°	27.1	26.6	26.1	25.5	24.9	24.3	23.6	22.8	22.0	21.2	20.3
80°	36.1	35.5	34.8	34.0	33.2	32.3	31.4	30.4	29.4	28.2	27.1
77.5°	45.1	44.3	43.4	42.5	41.5	40.4	39.2	38.0	36.6	35.3	33.8
75°	54.1	53.1	52.1	51.0	49.7	48.4	47.0	45.5	43.9	42.2	40.5
72.5°	68.4	66.2	63.8	61.2	58.3	56.4	54.8	53.0	51.1	49.2	47.1
70°	81.5	80.2	78.8	77.3	74.6	71.1	67.3	63.3	59.0	56.1	53.7
67.5°	94.6	91.7	88.6	85.7	83.8	81.8	79.7	77.4	73.2	68.2	62.9
65°	119.3	112.9	105.8	101.8	97.6	93.1	88.3	84.7	82.0	79.2	75.8
62.5°	212.5	168.1	139.9	131.3	122.0	111.9	103.4	97.7	91.8	85.9	82.7
60°	385.7	383.7	330.6	271.3	207.1	143.0	131.3	118.9	105.8	98.8	91.7
57.5°	394.5	392.4	390.0	387.4	384.6	330.6	250.6	166.1	133.2	118.4	104.2
55°	406.9	401.0	398.4	395.5	392.5	389.2	385.7	342.3	246.0	145.5	127.4
52.5°	485.5	462.4	436.9	409.2	400.3	396.7	393.0	389.0	384.8	303.9	191.5
50°	588.6	555.1	518.3	481.0	448.7	414.2	400.1	395.8	391.4	386.7	339.0
47.5°	728.8	677.4	621.0	572.8	526.4	480.1	440.9	402.6	397.8	392.8	387.7
45°	855.6	809.8	758.0	692.0	621.3	563.3	507.4	459.0	413.2	398.8	393.3
42.5°	990.0	930.0	871.0	812.6	746.5	666.2	588.3	525.9	468.1	417.7	398.8
40°	1732.3	1097.3	997.6	921.5	851.2	780.6	693.4	600.9	532.1	468.1	413.2
37.5°	4112.0	2433.1	1688.8	1046.9	960.3	874.7	796.0	702.6	600.9	525.9	459.0
35°	9750.7	6127.4	3564.6	2091.2	1184.4	979.9	882.6	796.0	693.4	588.3	507.4
32.5°	22001.5	14760.9	7502.1	4570.8	2294.9	1283.6	979.9	874.7	780.6	666.2	563.3
30°	35825.7	26802.0	17827.7	8922.5	4909.2	2294.9	1184.4	960.3	851.2	746.5	621.3
27.5°	45475.1	39574.3	29278.6	18860.5	8922.5	4570.8	2091.2	1046.9	921.5	812.6	692.0
25°	50624.1	47112.8	40362.3	29278.6	17827.7	7502.1	3564.6	1688.8	997.6	871.0	758.0
22.5°	52336.3	50825.1	47112.8	39574.3	26802.0	14760.9	6127.4	2433.1	1097.3	930.0	809.8
20°	53506.7	52336.3	50624.1	45475.1	35825.7	22001.5	9750.7	4112.0	1732.3	990.0	855.6
17.5°	54618.0	53353.1	51990.0	50029.9	42261.8	29574.4	15859.5	6097.9	2305.2	1044.0	896.7
15°	55688.3	54289.2	52900.2	51169.3	46765.5	36399.4	21293.1	7952.4	3132.5	1327.9	939.5
12.5°	56919.8	55128.8	53653.3	52168.7	49982.3	41197.1	26563.2	12284.8	4533.3	1729.9	977.2
10°	58175.2	55957.0	54301.2	52752.0	50752.6	44220.5	31118.0	15892.5	5697.2	2063.4	1008.4
7.5°	59841.3	56733.3	54824.3	53217.0	51365.6	46618.6	34720.7	18739.7	6614.0	2325.7	1033.0
5°	61079.1	57305.5	55207.8	53556.4	51811.5	48357.7	37327.8	20796.4	7275.3	2514.6	1050.6
2.5°	61842.9	57656.6	55442.0	53763.1	52082.3	49412.1	38905.9	22039.7	7674.6	2628.6	1061.2
0°	62101.2	57775.0	55520.8	53832.5	52173.1	49765.4	39434.3	22455.8	7808.2	2666.7	1064.8
-2.5°	61842.9	57656.6	55442.0	53763.1	52082.3	49412.1	38905.9	22039.7	7674.6	2628.6	1061.2
-5°	61079.1	57305.5	55207.8	53556.4	51811.5	48357.7	37327.8	20796.4	7275.3	2514.6	1050.6
-7.5°	59841.3	56733.3	54824.3	53217.0	51365.6	46618.6	34720.7	18739.7	6614.0	2325.7	1033.0
-10°	58175.2	55957.0	54301.2	52752.0	50752.6	44220.5	31118.0	15892.5	5697.2	2063.4	1008.4
-12.5°	56919.8	55128.8	53653.3	52168.7	49982.3	41197.1	26563.2	12284.8	4533.3	1729.9	977.2
-15°	55688.3	54289.2	52900.2	51169.3	46765.5	36399.4	21293.1	7952.4	3132.5	1327.9	939.5
-17.5°	54618.0	53353.1	51990.0	50029.9	42261.8	29574.4	15859.5	6097.9	2305.2	1044.0	896.7
-20°	53506.7	52336.3	50624.1	45475.1	35825.7	22001.5	9750.7	4112.0	1732.3	990.0	855.6



REPORT NUMBER: P699999 (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°	52336.3	50825.1	47112.8	39574.3	26802.0	14760.9	6127.4	2433.1	1097.3	930.0	809.8
-25°	50624.1	47112.8	40362.3	29278.6	17827.7	7502.1	3564.6	1688.8	997.6	871.0	758.0
-27.5°	45475.1	39574.3	29278.6	18860.5	8922.5	4570.8	2091.2	1046.9	921.5	812.6	692.0
-30°	35825.7	26802.0	17827.7	8922.5	4909.2	2294.9	1184.4	960.3	851.2	746.5	621.3
-32.5°	22001.5	14760.9	7502.1	4570.8	2294.9	1283.6	979.9	874.7	780.6	666.2	563.3
-35°	9750.7	6127.4	3564.6	2091.2	1184.4	979.9	882.6	796.0	693.4	588.3	507.4
-37.5°	4112.0	2433.1	1688.8	1046.9	960.3	874.7	796.0	702.6	600.9	525.9	459.0
-40°	1732.3	1097.3	997.6	921.5	851.2	780.6	693.4	600.9	532.1	468.1	413.2
-42.5°	990.0	930.0	871.0	812.6	746.5	666.2	588.3	525.9	468.1	417.7	398.8
-45°	855.6	809.8	758.0	692.0	621.3	563.3	507.4	459.0	413.2	398.8	393.3
-47.5°	728.8	677.4	621.0	572.8	526.4	480.1	440.9	402.6	397.8	392.8	387.7
-50°	588.6	555.1	518.3	481.0	448.7	414.2	400.1	395.8	391.4	386.7	339.0
-52.5°	485.5	462.4	436.9	409.2	400.3	396.7	393.0	389.0	384.8	303.9	191.5
-55°	406.9	401.0	398.4	395.5	392.5	389.2	385.7	342.3	246.0	145.5	127.4
-57.5°	394.5	392.4	390.0	387.4	384.6	330.6	250.6	166.1	133.2	118.4	104.2
-60°	385.7	383.7	330.6	271.3	207.1	143.0	131.3	118.9	105.8	98.8	91.7
-62.5°	212.5	168.1	139.9	131.3	122.0	111.9	103.4	97.7	91.8	85.9	82.7
-65°	119.3	112.9	105.8	101.8	97.6	93.1	88.3	84.7	82.0	79.2	75.8
-67.5°	94.6	91.7	88.6	85.7	83.8	81.8	79.7	77.4	73.2	68.2	62.9
-70°	81.5	80.2	78.8	77.3	74.6	71.1	67.3	63.3	59.0	56.1	53.7
-72.5°	68.4	66.2	63.8	61.2	58.3	56.4	54.8	53.0	51.1	49.2	47.1
-75°	54.1	53.1	52.1	51.0	49.7	48.4	47.0	45.5	43.9	42.2	40.5
-77.5°	45.1	44.3	43.4	42.5	41.5	40.4	39.2	38.0	36.6	35.3	33.8
-80°	36.1	35.5	34.8	34.0	33.2	32.3	31.4	30.4	29.4	28.2	27.1
-82.5°	27.1	26.6	26.1	25.5	24.9	24.3	23.6	22.8	22.0	21.2	20.3
-85°	18.0	17.7	17.4	17.0	16.6	16.2	15.7	15.2	14.7	14.1	13.6
-87.5°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
-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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 CATALOG NUMBER: EPH-LS-16-1200R-57-80-1R-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°	6.5	6.2	5.8	5.5	5.2	4.8	4.4	4.1	3.7	3.3	2.9
85°	13.0	12.3	11.7	11.0	10.3	9.6	8.9	8.1	7.3	6.6	5.8
82.5°	19.4	18.5	17.5	16.5	15.4	14.4	13.3	12.1	11.0	9.8	8.6
80°	25.9	24.6	23.3	22.0	20.6	19.1	17.7	16.2	14.6	13.1	11.5
77.5°	32.3	30.7	29.1	27.4	25.6	23.9	22.0	20.2	18.2	16.3	14.3
75°	38.7	36.8	34.8	32.8	30.7	28.6	26.4	24.1	21.8	19.5	17.1
72.5°	45.0	42.8	40.5	38.1	35.7	33.2	30.6	28.0	25.4	22.7	19.9
70°	51.3	48.8	46.1	43.4	40.7	37.8	34.9	31.9	28.9	25.8	22.7
67.5°	57.5	54.7	51.7	48.7	45.6	42.4	39.1	35.7	32.3	28.9	25.4
65°	69.7	63.4	57.2	53.9	50.4	46.8	43.2	39.5	35.7	31.9	28.0
62.5°	79.3	74.9	67.7	60.3	55.2	51.3	47.3	43.2	39.1	34.9	30.6
60°	85.3	81.5	77.5	70.3	62.1	55.6	51.3	46.8	42.4	37.8	33.2
57.5°	96.2	87.9	82.8	78.4	71.2	62.1	55.2	50.4	45.6	40.7	35.7
55°	110.1	98.9	89.7	83.3	78.4	70.3	60.3	53.9	48.7	43.4	38.1
52.5°	132.9	113.7	99.8	89.7	82.8	77.5	67.7	57.2	51.7	46.1	40.5
50°	214.7	134.8	113.7	98.9	87.9	81.5	74.9	63.4	54.7	48.8	42.8
47.5°	350.7	214.7	132.9	110.1	96.2	85.3	79.3	69.7	57.5	51.3	45.0
45°	387.7	339.0	191.5	127.4	104.2	91.7	82.7	75.8	62.9	53.7	47.1
42.5°	392.8	386.7	303.9	145.5	118.4	98.8	85.9	79.2	68.2	56.1	49.2
40°	397.8	391.4	384.8	246.0	133.2	105.8	91.8	82.0	73.2	59.0	51.1
37.5°	402.6	395.8	389.0	342.3	166.1	118.9	97.7	84.7	77.4	63.3	53.0
35°	440.9	400.1	393.0	385.7	250.6	131.3	103.4	88.3	79.7	67.3	54.8
32.5°	480.1	414.2	396.7	389.2	330.6	143.0	111.9	93.1	81.8	71.1	56.4
30°	526.4	448.7	400.3	392.5	384.6	207.1	122.0	97.6	83.8	74.6	58.3
27.5°	572.8	481.0	409.2	395.5	387.4	271.3	131.3	101.8	85.7	77.3	61.2
25°	621.0	518.3	436.9	398.4	390.0	330.6	139.9	105.8	88.6	78.8	63.8
22.5°	677.4	555.1	462.4	401.0	392.4	383.7	168.1	112.9	91.7	80.2	66.2
20°	728.8	588.6	485.5	406.9	394.5	385.7	212.5	119.3	94.6	81.5	68.4
17.5°	773.6	624.5	511.8	425.8	396.5	387.5	252.1	125.0	97.1	82.6	70.3
15°	806.9	661.8	536.0	442.4	398.2	389.0	286.7	130.0	99.3	83.6	72.0
12.5°	835.5	693.7	556.6	456.6	399.6	390.3	316.1	134.2	101.2	84.4	73.4
10°	859.1	720.0	573.7	468.2	400.8	391.4	340.3	137.7	102.7	85.1	74.6
7.5°	877.7	740.6	587.0	477.4	401.7	392.2	359.3	140.4	103.9	85.6	75.5
5°	891.0	755.5	596.6	483.9	402.4	392.8	372.8	142.3	104.8	86.0	76.2
2.5°	899.0	764.4	602.4	487.9	402.8	393.2	381.0	143.5	105.3	86.2	76.6
0°	901.7	767.4	604.3	489.2	402.9	393.3	383.7	143.9	105.5	86.3	76.7
-2.5°	899.0	764.4	602.4	487.9	402.8	393.2	381.0	143.5	105.3	86.2	76.6
-5°	891.0	755.5	596.6	483.9	402.4	392.8	372.8	142.3	104.8	86.0	76.2
-7.5°	877.7	740.6	587.0	477.4	401.7	392.2	359.3	140.4	103.9	85.6	75.5
-10°	859.1	720.0	573.7	468.2	400.8	391.4	340.3	137.7	102.7	85.1	74.6
-12.5°	835.5	693.7	556.6	456.6	399.6	390.3	316.1	134.2	101.2	84.4	73.4
-15°	806.9	661.8	536.0	442.4	398.2	389.0	286.7	130.0	99.3	83.6	72.0
-17.5°	773.6	624.5	511.8	425.8	396.5	387.5	252.1	125.0	97.1	82.6	70.3
-20°	728.8	588.6	485.5	406.9	394.5	385.7	212.5	119.3	94.6	81.5	68.4



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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°	677.4	555.1	462.4	401.0	392.4	383.7	168.1	112.9	91.7	80.2	66.2
-25°	621.0	518.3	436.9	398.4	390.0	330.6	139.9	105.8	88.6	78.8	63.8
-27.5°	572.8	481.0	409.2	395.5	387.4	271.3	131.3	101.8	85.7	77.3	61.2
-30°	526.4	448.7	400.3	392.5	384.6	207.1	122.0	97.6	83.8	74.6	58.3
-32.5°	480.1	414.2	396.7	389.2	330.6	143.0	111.9	93.1	81.8	71.1	56.4
-35°	440.9	400.1	393.0	385.7	250.6	131.3	103.4	88.3	79.7	67.3	54.8
-37.5°	402.6	395.8	389.0	342.3	166.1	118.9	97.7	84.7	77.4	63.3	53.0
-40°	397.8	391.4	384.8	246.0	133.2	105.8	91.8	82.0	73.2	59.0	51.1
-42.5°	392.8	386.7	303.9	145.5	118.4	98.8	85.9	79.2	68.2	56.1	49.2
-45°	387.7	339.0	191.5	127.4	104.2	91.7	82.7	75.8	62.9	53.7	47.1
-47.5°	350.7	214.7	132.9	110.1	96.2	85.3	79.3	69.7	57.5	51.3	45.0
-50°	214.7	134.8	113.7	98.9	87.9	81.5	74.9	63.4	54.7	48.8	42.8
-52.5°	132.9	113.7	99.8	89.7	82.8	77.5	67.7	57.2	51.7	46.1	40.5
-55°	110.1	98.9	89.7	83.3	78.4	70.3	60.3	53.9	48.7	43.4	38.1
-57.5°	96.2	87.9	82.8	78.4	71.2	62.1	55.2	50.4	45.6	40.7	35.7
-60°	85.3	81.5	77.5	70.3	62.1	55.6	51.3	46.8	42.4	37.8	33.2
-62.5°	79.3	74.9	67.7	60.3	55.2	51.3	47.3	43.2	39.1	34.9	30.6
-65°	69.7	63.4	57.2	53.9	50.4	46.8	43.2	39.5	35.7	31.9	28.0
-67.5°	57.5	54.7	51.7	48.7	45.6	42.4	39.1	35.7	32.3	28.9	25.4
-70°	51.3	48.8	46.1	43.4	40.7	37.8	34.9	31.9	28.9	25.8	22.7
-72.5°	45.0	42.8	40.5	38.1	35.7	33.2	30.6	28.0	25.4	22.7	19.9
-75°	38.7	36.8	34.8	32.8	30.7	28.6	26.4	24.1	21.8	19.5	17.1
-77.5°	32.3	30.7	29.1	27.4	25.6	23.9	22.0	20.2	18.2	16.3	14.3
-80°	25.9	24.6	23.3	22.0	20.6	19.1	17.7	16.2	14.6	13.1	11.5
-82.5°	19.4	18.5	17.5	16.5	15.4	14.4	13.3	12.1	11.0	9.8	8.6
-85°	13.0	12.3	11.7	11.0	10.3	9.6	8.9	8.1	7.3	6.6	5.8
-87.5°	6.5	6.2	5.8	5.5	5.2	4.8	4.4	4.1	3.7	3.3	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
85°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
82.5°	7.4	6.2	5.0	3.7	2.5	1.3	0.0
80°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
77.5°	12.3	10.3	8.3	6.2	4.2	2.1	0.0
75°	14.7	12.3	9.9	7.4	5.0	2.5	0.0
72.5°	17.1	14.3	11.5	8.6	5.8	2.9	0.0
70°	19.5	16.3	13.1	9.8	6.6	3.3	0.0
67.5°	21.8	18.2	14.6	11.0	7.3	3.7	0.0
65°	24.1	20.2	16.2	12.1	8.1	4.1	0.0
62.5°	26.4	22.0	17.7	13.3	8.9	4.4	0.0
60°	28.6	23.9	19.1	14.4	9.6	4.8	0.0
57.5°	30.7	25.6	20.6	15.4	10.3	5.2	0.0
55°	32.8	27.4	22.0	16.5	11.0	5.5	0.0
52.5°	34.8	29.1	23.3	17.5	11.7	5.8	0.0
50°	36.8	30.7	24.6	18.5	12.3	6.2	0.0
47.5°	38.7	32.3	25.9	19.4	13.0	6.5	0.0
45°	40.5	33.8	27.1	20.3	13.6	6.8	0.0
42.5°	42.2	35.3	28.2	21.2	14.1	7.1	0.0
40°	43.9	36.6	29.4	22.0	14.7	7.4	0.0
37.5°	45.5	38.0	30.4	22.8	15.2	7.6	0.0
35°	47.0	39.2	31.4	23.6	15.7	7.9	0.0
32.5°	48.4	40.4	32.3	24.3	16.2	8.1	0.0
30°	49.7	41.5	33.2	24.9	16.6	8.3	0.0
27.5°	51.0	42.5	34.0	25.5	17.0	8.5	0.0
25°	52.1	43.4	34.8	26.1	17.4	8.7	0.0
22.5°	53.1	44.3	35.5	26.6	17.7	8.9	0.0
20°	54.1	45.1	36.1	27.1	18.0	9.0	0.0
17.5°	54.9	45.7	36.6	27.5	18.3	9.2	0.0
15°	55.6	46.3	37.1	27.8	18.5	9.3	0.0
12.5°	56.2	46.8	37.5	28.1	18.7	9.4	0.0
10°	56.7	47.3	37.8	28.4	18.9	9.5	0.0
7.5°	57.1	47.6	38.1	28.6	19.0	9.5	0.0
5°	57.4	47.8	38.3	28.7	19.1	9.6	0.0
2.5°	57.5	48.0	38.4	28.8	19.2	9.6	0.0
0°	57.6	48.0	38.4	28.8	19.2	9.6	0.0
-2.5°	57.5	48.0	38.4	28.8	19.2	9.6	0.0
-5°	57.4	47.8	38.3	28.7	19.1	9.6	0.0
-7.5°	57.1	47.6	38.1	28.6	19.0	9.5	0.0
-10°	56.7	47.3	37.8	28.4	18.9	9.5	0.0
-12.5°	56.2	46.8	37.5	28.1	18.7	9.4	0.0
-15°	55.6	46.3	37.1	27.8	18.5	9.3	0.0
-17.5°	54.9	45.7	36.6	27.5	18.3	9.2	0.0
-20°	54.1	45.1	36.1	27.1	18.0	9.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.1	44.3	35.5	26.6	17.7	8.9	0.0
-25°	52.1	43.4	34.8	26.1	17.4	8.7	0.0
-27.5°	51.0	42.5	34.0	25.5	17.0	8.5	0.0
-30°	49.7	41.5	33.2	24.9	16.6	8.3	0.0
-32.5°	48.4	40.4	32.3	24.3	16.2	8.1	0.0
-35°	47.0	39.2	31.4	23.6	15.7	7.9	0.0
-37.5°	45.5	38.0	30.4	22.8	15.2	7.6	0.0
-40°	43.9	36.6	29.4	22.0	14.7	7.4	0.0
-42.5°	42.2	35.3	28.2	21.2	14.1	7.1	0.0
-45°	40.5	33.8	27.1	20.3	13.6	6.8	0.0
-47.5°	38.7	32.3	25.9	19.4	13.0	6.5	0.0
-50°	36.8	30.7	24.6	18.5	12.3	6.2	0.0
-52.5°	34.8	29.1	23.3	17.5	11.7	5.8	0.0
-55°	32.8	27.4	22.0	16.5	11.0	5.5	0.0
-57.5°	30.7	25.6	20.6	15.4	10.3	5.2	0.0
-60°	28.6	23.9	19.1	14.4	9.6	4.8	0.0
-62.5°	26.4	22.0	17.7	13.3	8.9	4.4	0.0
-65°	24.1	20.2	16.2	12.1	8.1	4.1	0.0
-67.5°	21.8	18.2	14.6	11.0	7.3	3.7	0.0
-70°	19.5	16.3	13.1	9.8	6.6	3.3	0.0
-72.5°	17.1	14.3	11.5	8.6	5.8	2.9	0.0
-75°	14.7	12.3	9.9	7.4	5.0	2.5	0.0
-77.5°	12.3	10.3	8.3	6.2	4.2	2.1	0.0
-80°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
-82.5°	7.4	6.2	5.0	3.7	2.5	1.3	0.0
-85°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
-87.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)