

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: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-80-4R-S**

Issue Date: 8/10/2023

Test Information

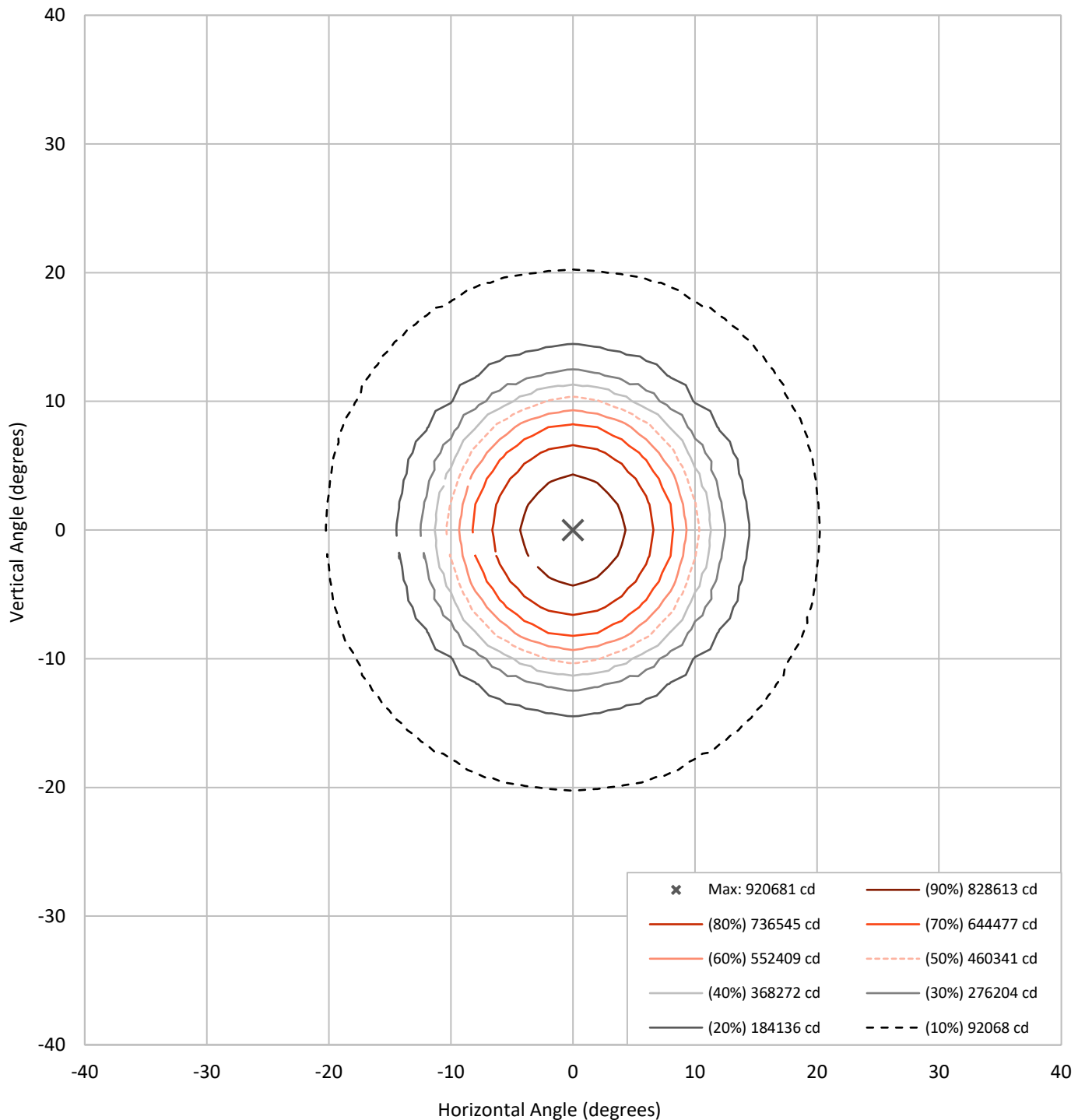
Test Method: LM-79-08
Report Number: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-17)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-57-80-4R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 4R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	179155.6 lumens	Max Intensity:	920681 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	147.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	20.7°H x 20.7°V	Field Angle (10%):	40.5°H x 40.5°V
Beam Lumens:	68777.7 lumens	Field Lumens:	121395.5 lumens
Beam Efficiency:	38.4%	Field Efficiency:	67.8%
Input Watts (W):	1214.1		
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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CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-S

Iso-Candela Plot





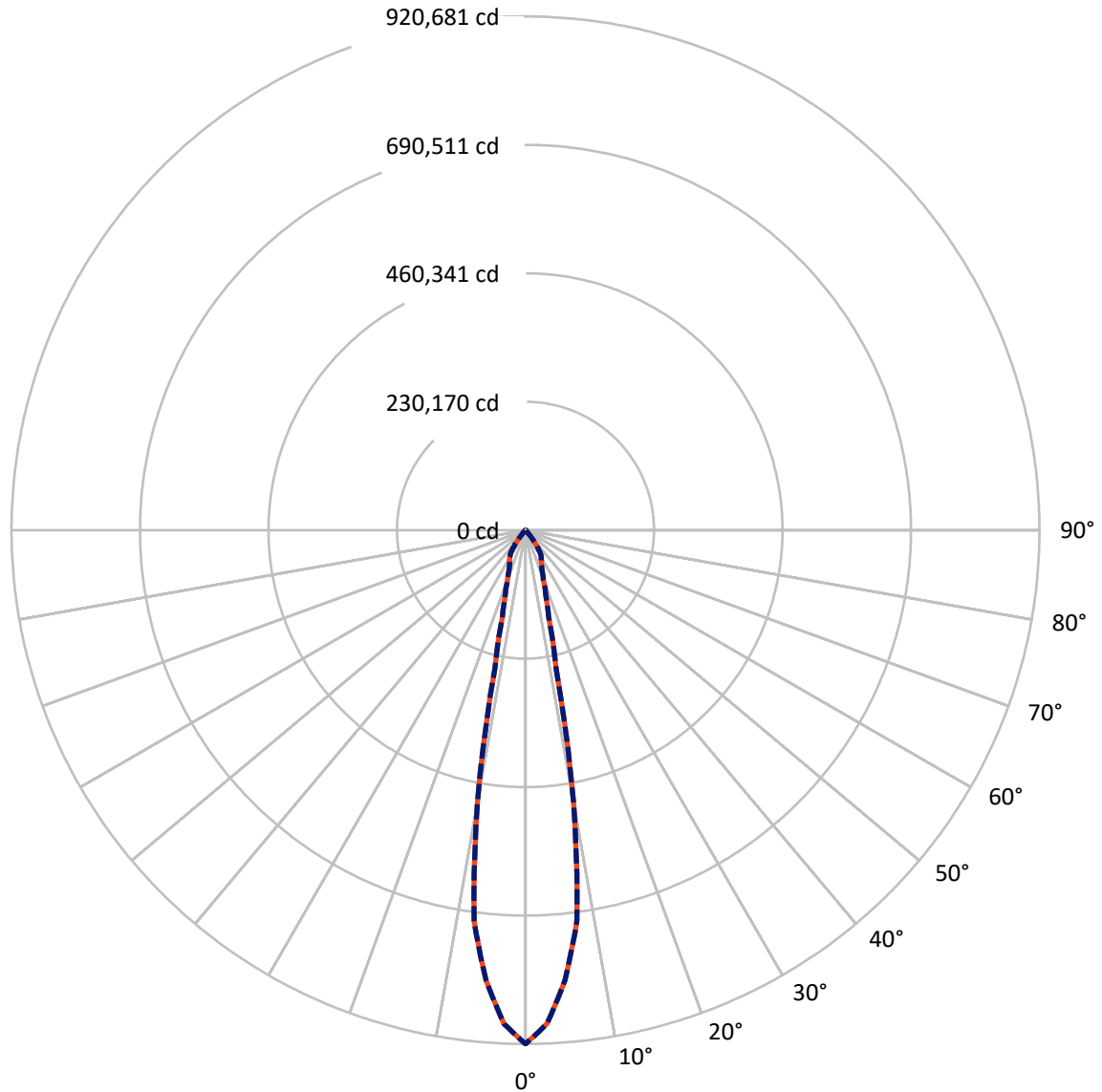
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Lumen Table

90	0.2	1.3		3.1		4.7		5.4		4.7		3.1		1.3		0.2
80	0.2	1.3		3.1		4.7		5.4		4.7		3.1		1.3		0.2
70	0.6	0.5	1.1	1.8	2.8	4.0	5.2	5.8	5.8	5.2	4.0	2.8	1.8	1.1	0.5	0.6
60		0.8	1.7	3.6	7.0	11.8	16.2	18.7	18.7	16.2	11.8	7.0	3.6	1.7	0.8	
50	0.9	1.1	3.0	7.8	16.3	29.9	68.6	114.8	114.8	68.6	29.9	16.3	7.8	3.0	1.1	0.9
40		1.5	5.0	14.1	43.7	259.6	735.2	1075.2	1075.2	735.2	259.6	43.7	14.1	5.0	1.5	
30	1.2	1.9	7.6	23.6	237.1	1046.8	1700.6	2056.0	2056.0	1700.6	1046.8	237.1	23.6	7.6	1.9	1.2
20		2.3	9.8	51.6	632.0	1598.1	2668.9	5134.5	5134.5	2668.9	1598.1	632.0	51.6	9.8	2.3	
10	1.3	2.6	10.9	84.4	894.8	1875.7	4999.6	19277.7	19277.7	4999.6	1875.7	894.8	84.4	10.9	2.6	1.3
0		2.6	10.9	84.4	894.8	1875.7	4999.6	19277.7	19277.7	4999.6	1875.7	894.8	84.4	10.9	2.6	
-10	1.2	2.3	9.8	51.6	632.0	1598.1	2668.9	5134.5	5134.5	2668.9	1598.1	632.0	51.6	9.8	2.3	1.2
-20		1.9	7.6	23.6	237.1	1046.8	1700.6	2056.0	2056.0	1700.6	1046.8	237.1	23.6	7.6	1.9	
-30	0.9	1.5	5.0	14.1	43.7	259.6	735.2	1075.2	1075.2	735.2	259.6	43.7	14.1	5.0	1.5	0.9
-40		1.1	3.0	7.8	16.3	29.9	68.6	114.8	114.8	68.6	29.9	16.3	7.8	3.0	1.1	
-50	0.6	0.8	1.7	3.6	7.0	11.8	16.2	18.7	18.7	16.2	11.8	7.0	3.6	1.7	0.8	0.6
-60		0.5	1.1	1.8	2.8	4.0	5.2	5.8	5.8	5.2	4.0	2.8	1.8	1.1	0.5	
-70	0.2	1.3		3.1		4.7		5.4		4.7		3.1		1.3		0.2
-80		1.3		3.1		4.7		5.4		4.7		3.1		1.3		
-90	0.2	1.3		3.1		4.7		5.4		4.7		3.1		1.3		0.2

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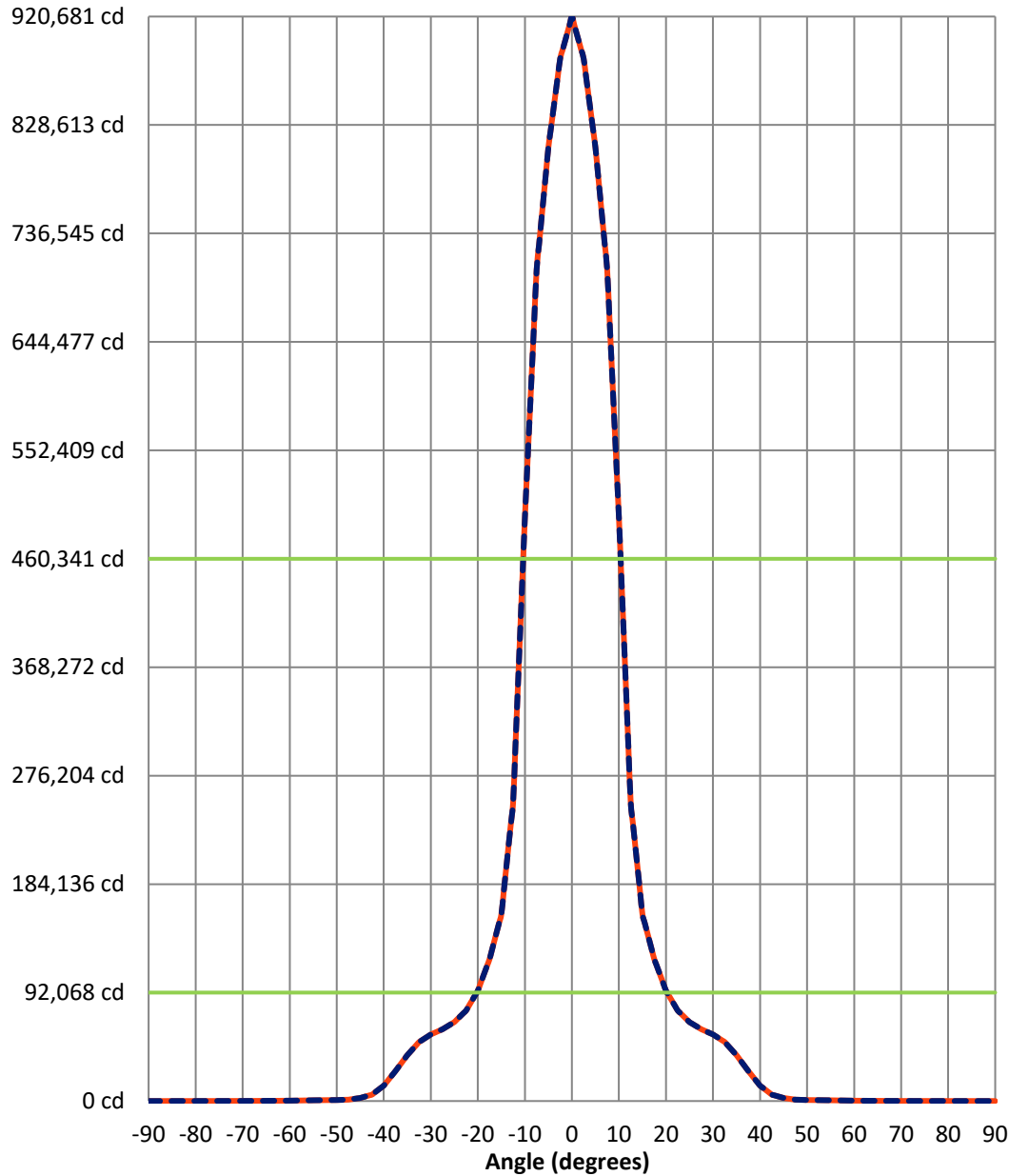
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 20.7°
 V Angle: 20.7°
 Lumens: 68777.7
 Efficiency: 38.4%

Field:
 H Angle: 40.5°
 V Angle: 40.5°
 Lumens: 121395.5
 Efficiency: 67.8%

Spill:
 Lumens: 57760.1
 Efficiency: 32.2%

— 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	0.7	1.3	2.0	2.6	3.3	3.9	4.5	5.2	5.8	6.4
85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.5	12.7
82.5°	0.0	2.0	3.9	5.9	7.8	9.8	11.7	13.6	15.3	16.1	16.9
80°	0.0	2.6	5.2	7.8	10.4	13.0	15.3	16.4	17.5	18.6	19.7
77.5°	0.0	3.3	6.5	9.8	13.0	15.6	17.0	18.4	19.8	21.1	22.6
75°	0.0	3.9	7.8	11.7	15.3	17.0	18.7	20.4	22.1	24.1	26.2
72.5°	0.0	4.5	9.1	13.6	16.4	18.4	20.4	22.4	24.9	27.3	29.6
70°	0.0	5.2	10.3	15.3	17.5	19.8	22.1	24.9	27.6	30.4	33.7
67.5°	0.0	5.8	11.5	16.1	18.6	21.1	24.1	27.3	30.4	34.1	37.8
65°	0.0	6.4	12.7	16.9	19.7	22.6	26.2	29.6	33.7	37.8	42.0
62.5°	0.0	7.0	13.9	17.7	20.7	24.3	28.1	32.3	36.9	41.5	46.4
60°	0.0	7.5	15.1	18.4	21.7	25.9	30.1	35.1	40.1	45.4	50.6
57.5°	0.0	8.1	15.6	19.2	23.0	27.5	32.4	37.8	43.4	49.1	55.5
55°	0.0	8.7	16.1	19.9	24.2	29.0	34.6	40.4	46.6	53.0	60.7
52.5°	0.0	9.2	16.6	20.6	25.4	30.6	36.8	43.2	49.8	57.5	65.7
50°	0.0	9.7	17.0	21.3	26.6	32.4	38.9	45.9	53.1	61.9	71.4
47.5°	0.0	10.2	17.4	22.0	27.7	34.1	41.0	48.5	56.9	66.1	77.0
45°	0.0	10.7	17.9	22.8	28.8	35.7	43.2	51.0	60.5	71.0	82.4
42.5°	0.0	11.1	18.3	23.6	29.8	37.3	45.2	53.8	64.0	75.6	88.7
40°	0.0	11.6	18.7	24.3	30.9	38.8	47.2	56.6	67.5	80.1	94.8
37.5°	0.0	12.0	19.0	25.0	32.0	40.2	49.1	59.4	71.3	84.7	100.7
35°	0.0	12.4	19.4	25.7	33.1	41.7	50.8	62.0	74.8	89.6	106.6
32.5°	0.0	12.7	19.7	26.3	34.1	43.0	52.6	64.4	78.2	94.3	112.8
30°	0.0	13.1	20.0	26.9	35.1	44.3	54.6	66.8	81.4	98.7	118.6
27.5°	0.0	13.4	20.3	27.4	36.0	45.5	56.4	69.4	84.5	102.8	123.9
25°	0.0	13.7	20.5	27.9	36.8	46.6	58.1	71.7	87.9	107.0	129.2
22.5°	0.0	13.9	20.8	28.3	37.5	47.6	59.6	73.9	90.9	111.0	140.7
20°	0.0	14.2	21.0	28.8	38.2	48.5	61.0	75.8	93.6	114.7	151.1
17.5°	0.0	14.4	21.2	29.1	38.8	49.3	62.2	77.5	96.1	117.9	160.4
15°	0.0	14.6	21.3	29.4	39.3	50.0	63.2	79.0	98.2	120.8	168.5
12.5°	0.0	14.7	21.5	29.7	39.7	50.6	64.1	80.3	100.0	123.2	175.3
10°	0.0	14.9	21.6	29.9	40.1	51.1	64.9	81.3	101.5	125.2	181.0
7.5°	0.0	15.0	21.7	30.1	40.3	51.5	65.5	82.1	102.6	126.7	185.4
5°	0.0	15.0	21.7	30.2	40.5	51.8	65.9	82.7	103.4	127.8	188.6
2.5°	0.0	15.1	21.8	30.3	40.7	51.9	66.1	83.1	103.9	128.5	190.5
0°	0.0	15.1	21.8	30.3	40.7	52.0	66.2	83.2	104.1	128.7	191.1
-2.5°	0.0	15.1	21.8	30.3	40.7	51.9	66.1	83.1	103.9	128.5	190.5
-5°	0.0	15.0	21.7	30.2	40.5	51.8	65.9	82.7	103.4	127.8	188.6
-7.5°	0.0	15.0	21.7	30.1	40.3	51.5	65.5	82.1	102.6	126.7	185.4
-10°	0.0	14.9	21.6	29.9	40.1	51.1	64.9	81.3	101.5	125.2	181.0
-12.5°	0.0	14.7	21.5	29.7	39.7	50.6	64.1	80.3	100.0	123.2	175.3
-15°	0.0	14.6	21.3	29.4	39.3	50.0	63.2	79.0	98.2	120.8	168.5
-17.5°	0.0	14.4	21.2	29.1	38.8	49.3	62.2	77.5	96.1	117.9	160.4
-20°	0.0	14.2	21.0	28.8	38.2	48.5	61.0	75.8	93.6	114.7	151.1



REPORT NUMBER: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.9	20.8	28.3	37.5	47.6	59.6	73.9	90.9	111.0	140.7
-25°	0.0	13.7	20.5	27.9	36.8	46.6	58.1	71.7	87.9	107.0	129.2
-27.5°	0.0	13.4	20.3	27.4	36.0	45.5	56.4	69.4	84.5	102.8	123.9
-30°	0.0	13.1	20.0	26.9	35.1	44.3	54.6	66.8	81.4	98.7	118.6
-32.5°	0.0	12.7	19.7	26.3	34.1	43.0	52.6	64.4	78.2	94.3	112.8
-35°	0.0	12.4	19.4	25.7	33.1	41.7	50.8	62.0	74.8	89.6	106.6
-37.5°	0.0	12.0	19.0	25.0	32.0	40.2	49.1	59.4	71.3	84.7	100.7
-40°	0.0	11.6	18.7	24.3	30.9	38.8	47.2	56.6	67.5	80.1	94.8
-42.5°	0.0	11.1	18.3	23.6	29.8	37.3	45.2	53.8	64.0	75.6	88.7
-45°	0.0	10.7	17.9	22.8	28.8	35.7	43.2	51.0	60.5	71.0	82.4
-47.5°	0.0	10.2	17.4	22.0	27.7	34.1	41.0	48.5	56.9	66.1	77.0
-50°	0.0	9.7	17.0	21.3	26.6	32.4	38.9	45.9	53.1	61.9	71.4
-52.5°	0.0	9.2	16.6	20.6	25.4	30.6	36.8	43.2	49.8	57.5	65.7
-55°	0.0	8.7	16.1	19.9	24.2	29.0	34.6	40.4	46.6	53.0	60.7
-57.5°	0.0	8.1	15.6	19.2	23.0	27.5	32.4	37.8	43.4	49.1	55.5
-60°	0.0	7.5	15.1	18.4	21.7	25.9	30.1	35.1	40.1	45.4	50.6
-62.5°	0.0	7.0	13.9	17.7	20.7	24.3	28.1	32.3	36.9	41.5	46.4
-65°	0.0	6.4	12.7	16.9	19.7	22.6	26.2	29.6	33.7	37.8	42.0
-67.5°	0.0	5.8	11.5	16.1	18.6	21.1	24.1	27.3	30.4	34.1	37.8
-70°	0.0	5.2	10.3	15.3	17.5	19.8	22.1	24.9	27.6	30.4	33.7
-72.5°	0.0	4.5	9.1	13.6	16.4	18.4	20.4	22.4	24.9	27.3	29.6
-75°	0.0	3.9	7.8	11.7	15.3	17.0	18.7	20.4	22.1	24.1	26.2
-77.5°	0.0	3.3	6.5	9.8	13.0	15.6	17.0	18.4	19.8	21.1	22.6
-80°	0.0	2.6	5.2	7.8	10.4	13.0	15.3	16.4	17.5	18.6	19.7
-82.5°	0.0	2.0	3.9	5.9	7.8	9.8	11.7	13.6	15.3	16.1	16.9
-85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.5	12.7
-87.5°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.5	5.2	5.8	6.4
-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: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-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°	7.0	7.5	8.1	8.7	9.2	9.7	10.2	10.7	11.1	11.6	12.0
85°	13.9	15.1	15.6	16.1	16.6	17.0	17.4	17.9	18.3	18.7	19.0
82.5°	17.7	18.4	19.2	19.9	20.6	21.3	22.0	22.8	23.6	24.3	25.0
80°	20.7	21.7	23.0	24.2	25.4	26.6	27.7	28.8	29.8	30.9	32.0
77.5°	24.3	25.9	27.5	29.0	30.6	32.4	34.1	35.7	37.3	38.8	40.2
75°	28.1	30.1	32.4	34.6	36.8	38.9	41.0	43.2	45.2	47.2	49.1
72.5°	32.3	35.1	37.8	40.4	43.2	45.9	48.5	51.0	53.8	56.6	59.4
70°	36.9	40.1	43.4	46.6	49.8	53.1	56.9	60.5	64.0	67.5	71.3
67.5°	41.5	45.4	49.1	53.0	57.5	61.9	66.1	71.0	75.6	80.1	84.7
65°	46.4	50.6	55.5	60.7	65.7	71.4	77.0	82.4	88.7	94.8	100.7
62.5°	51.1	56.8	62.6	68.6	75.2	81.6	88.9	96.2	103.3	111.1	118.8
60°	56.8	63.2	70.2	77.5	85.0	93.6	101.9	111.0	120.2	129.2	150.4
57.5°	62.6	70.2	78.3	87.0	96.5	106.1	116.7	127.0	149.6	173.8	195.9
55°	68.6	77.5	87.0	97.5	108.4	120.2	136.2	164.3	191.5	213.2	234.1
52.5°	75.2	85.0	96.5	108.4	121.3	142.1	173.2	201.4	225.8	253.5	291.6
50°	81.6	93.6	106.1	120.2	142.1	176.2	206.5	233.4	270.9	313.5	372.4
47.5°	88.9	101.9	116.7	136.2	173.2	206.5	236.0	279.6	326.7	404.0	481.6
45°	96.2	111.0	127.0	164.3	201.4	233.4	279.6	331.1	419.9	506.8	594.1
42.5°	103.3	120.2	149.6	191.5	225.8	270.9	326.7	419.9	515.3	611.5	690.4
40°	111.1	129.2	173.8	213.2	253.5	313.5	404.0	506.8	611.5	696.9	769.2
37.5°	118.8	150.4	195.9	234.1	291.6	372.4	481.6	594.1	690.4	769.2	828.1
35°	126.0	170.6	214.2	261.6	328.0	441.7	559.7	671.0	756.0	823.0	935.7
32.5°	139.2	189.6	231.6	293.5	386.8	508.8	634.4	729.7	807.6	897.5	1131.5
30°	155.4	204.8	251.2	323.5	444.5	574.5	690.9	782.4	852.9	1073.1	1715.8
27.5°	170.6	218.7	277.0	367.4	499.2	636.1	739.7	822.2	977.0	1373.5	2480.3
25°	184.6	231.6	300.9	413.6	552.1	682.3	782.2	859.3	1122.1	2044.7	3736.0
22.5°	196.3	243.5	322.7	456.0	600.7	721.1	814.0	970.0	1448.4	2695.5	5045.3
20°	206.0	261.6	351.4	494.7	644.8	756.3	842.9	1083.8	1977.9	3812.6	7604.7
17.5°	214.6	277.6	382.7	530.9	675.6	784.2	879.9	1185.9	2454.3	4820.4	10556.5
15°	222.1	291.6	410.1	562.5	701.0	805.1	962.9	1532.3	3101.1	6148.7	13221.1
12.5°	228.4	303.6	433.4	589.5	722.7	823.1	1033.9	1865.1	3808.4	8230.8	16897.8
10°	233.7	313.5	452.7	611.8	740.6	837.9	1092.6	2140.7	4395.0	9960.8	19959.6
7.5°	237.8	321.2	467.7	629.2	754.6	849.5	1138.7	2357.2	4856.4	11323.6	22375.9
5°	240.7	326.7	478.5	641.8	764.7	857.9	1171.9	2513.0	5188.7	12306.5	24121.3
2.5°	242.5	330.0	485.0	649.3	770.8	862.9	1191.8	2606.9	5389.3	12900.2	25176.5
0°	243.1	331.1	487.2	651.8	772.8	864.6	1198.5	2638.3	5456.3	13098.7	25529.6
-2.5°	242.5	330.0	485.0	649.3	770.8	862.9	1191.8	2606.9	5389.3	12900.2	25176.5
-5°	240.7	326.7	478.5	641.8	764.7	857.9	1171.9	2513.0	5188.7	12306.5	24121.3
-7.5°	237.8	321.2	467.7	629.2	754.6	849.5	1138.7	2357.2	4856.4	11323.6	22375.9
-10°	233.7	313.5	452.7	611.8	740.6	837.9	1092.6	2140.7	4395.0	9960.8	19959.6
-12.5°	228.4	303.6	433.4	589.5	722.7	823.1	1033.9	1865.1	3808.4	8230.8	16897.8
-15°	222.1	291.6	410.1	562.5	701.0	805.1	962.9	1532.3	3101.1	6148.7	13221.1
-17.5°	214.6	277.6	382.7	530.9	675.6	784.2	879.9	1185.9	2454.3	4820.4	10556.5
-20°	206.0	261.6	351.4	494.7	644.8	756.3	842.9	1083.8	1977.9	3812.6	7604.7



REPORT NUMBER: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	196.3	243.5	322.7	456.0	600.7	721.1	814.0	970.0	1448.4	2695.5	5045.3
-25°	184.6	231.6	300.9	413.6	552.1	682.3	782.2	859.3	1122.1	2044.7	3736.0
-27.5°	170.6	218.7	277.0	367.4	499.2	636.1	739.7	822.2	977.0	1373.5	2480.3
-30°	155.4	204.8	251.2	323.5	444.5	574.5	690.9	782.4	852.9	1073.1	1715.8
-32.5°	139.2	189.6	231.6	293.5	386.8	508.8	634.4	729.7	807.6	897.5	1131.5
-35°	126.0	170.6	214.2	261.6	328.0	441.7	559.7	671.0	756.0	823.0	935.7
-37.5°	118.8	150.4	195.9	234.1	291.6	372.4	481.6	594.1	690.4	769.2	828.1
-40°	111.1	129.2	173.8	213.2	253.5	313.5	404.0	506.8	611.5	696.9	769.2
-42.5°	103.3	120.2	149.6	191.5	225.8	270.9	326.7	419.9	515.3	611.5	690.4
-45°	96.2	111.0	127.0	164.3	201.4	233.4	279.6	331.1	419.9	506.8	594.1
-47.5°	88.9	101.9	116.7	136.2	173.2	206.5	236.0	279.6	326.7	404.0	481.6
-50°	81.6	93.6	106.1	120.2	142.1	176.2	206.5	233.4	270.9	313.5	372.4
-52.5°	75.2	85.0	96.5	108.4	121.3	142.1	173.2	201.4	225.8	253.5	291.6
-55°	68.6	77.5	87.0	97.5	108.4	120.2	136.2	164.3	191.5	213.2	234.1
-57.5°	62.6	70.2	78.3	87.0	96.5	106.1	116.7	127.0	149.6	173.8	195.9
-60°	56.8	63.2	70.2	77.5	85.0	93.6	101.9	111.0	120.2	129.2	150.4
-62.5°	51.1	56.8	62.6	68.6	75.2	81.6	88.9	96.2	103.3	111.1	118.8
-65°	46.4	50.6	55.5	60.7	65.7	71.4	77.0	82.4	88.7	94.8	100.7
-67.5°	41.5	45.4	49.1	53.0	57.5	61.9	66.1	71.0	75.6	80.1	84.7
-70°	36.9	40.1	43.4	46.6	49.8	53.1	56.9	60.5	64.0	67.5	71.3
-72.5°	32.3	35.1	37.8	40.4	43.2	45.9	48.5	51.0	53.8	56.6	59.4
-75°	28.1	30.1	32.4	34.6	36.8	38.9	41.0	43.2	45.2	47.2	49.1
-77.5°	24.3	25.9	27.5	29.0	30.6	32.4	34.1	35.7	37.3	38.8	40.2
-80°	20.7	21.7	23.0	24.2	25.4	26.6	27.7	28.8	29.8	30.9	32.0
-82.5°	17.7	18.4	19.2	19.9	20.6	21.3	22.0	22.8	23.6	24.3	25.0
-85°	13.9	15.1	15.6	16.1	16.6	17.0	17.4	17.9	18.3	18.7	19.0
-87.5°	7.0	7.5	8.1	8.7	9.2	9.7	10.2	10.7	11.1	11.6	12.0
-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: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-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°	12.4	12.7	13.1	13.4	13.7	13.9	14.2	14.4	14.6	14.7	14.9
85°	19.4	19.7	20.0	20.3	20.5	20.8	21.0	21.2	21.3	21.5	21.6
82.5°	25.7	26.3	26.9	27.4	27.9	28.3	28.8	29.1	29.4	29.7	29.9
80°	33.1	34.1	35.1	36.0	36.8	37.5	38.2	38.8	39.3	39.7	40.1
77.5°	41.7	43.0	44.3	45.5	46.6	47.6	48.5	49.3	50.0	50.6	51.1
75°	50.8	52.6	54.6	56.4	58.1	59.6	61.0	62.2	63.2	64.1	64.9
72.5°	62.0	64.4	66.8	69.4	71.7	73.9	75.8	77.5	79.0	80.3	81.3
70°	74.8	78.2	81.4	84.5	87.9	90.9	93.6	96.1	98.2	100.0	101.5
67.5°	89.6	94.3	98.7	102.8	107.0	111.0	114.7	117.9	120.8	123.2	125.2
65°	106.6	112.8	118.6	123.9	129.2	140.7	151.1	160.4	168.5	175.3	181.0
62.5°	126.0	139.2	155.4	170.6	184.6	196.3	206.0	214.6	222.1	228.4	233.7
60°	170.6	189.6	204.8	218.7	231.6	243.5	261.6	277.6	291.6	303.6	313.5
57.5°	214.2	231.6	251.2	277.0	300.9	322.7	351.4	382.7	410.1	433.4	452.7
55°	261.6	293.5	323.5	367.4	413.6	456.0	494.7	530.9	562.5	589.5	611.8
52.5°	328.0	386.8	444.5	499.2	552.1	600.7	644.8	675.6	701.0	722.7	740.6
50°	441.7	508.8	574.5	636.1	682.3	721.1	756.3	784.2	805.1	823.1	837.9
47.5°	559.7	634.4	690.9	739.7	782.2	814.0	842.9	879.9	962.9	1033.9	1092.6
45°	671.0	729.7	782.4	822.2	859.3	970.0	1083.8	1185.9	1532.3	1865.1	2140.7
42.5°	756.0	807.6	852.9	977.0	1122.1	1448.4	1977.9	2454.3	3101.1	3808.4	4395.0
40°	823.0	897.5	1073.1	1373.5	2044.7	2695.5	3812.6	4820.4	6148.7	8230.8	9960.8
37.5°	935.7	1131.5	1715.8	2480.3	3736.0	5045.3	7604.7	10556.5	13221.1	16897.8	19959.6
35°	1151.1	1888.8	2848.7	4443.9	6790.9	10600.3	14747.3	19931.6	24542.9	28773.9	32371.6
32.5°	1888.8	3023.3	4802.3	8286.5	12643.7	18999.2	25144.0	31152.3	36543.2	40840.2	44098.6
30°	2848.7	4802.3	8789.5	14044.4	21601.9	28962.5	36090.1	41987.7	46841.3	50654.5	52714.2
27.5°	4443.9	8286.5	14044.4	22478.4	30918.7	39091.3	45450.6	50781.7	53828.3	56500.7	58074.4
25°	6790.9	12643.7	21601.9	30918.7	39940.5	47215.7	52370.7	56022.9	58474.4	60506.2	62667.1
22.5°	10600.3	18999.2	28962.5	39091.3	47215.7	52907.9	56952.9	59696.3	62624.2	65628.9	68926.1
20°	14747.3	25144.0	36090.1	45450.6	52370.7	56952.9	60110.7	63800.7	67759.2	73107.2	78382.7
17.5°	19931.6	31152.3	41987.7	50781.7	56022.9	59696.3	63800.7	68781.4	75274.9	84305.6	93175.5
15°	24542.9	36543.2	46841.3	53828.3	58474.4	62624.2	67759.2	75274.9	86337.1	99805.2	115634.6
12.5°	28773.9	40840.2	50654.5	56500.7	60506.2	65628.9	73107.2	84305.6	99805.2	119479.3	143996.6
10°	32371.6	44098.6	52714.2	58074.4	62667.1	68926.1	78382.7	93175.5	115634.6	143996.6	180095.8
7.5°	35217.3	46683.0	54353.5	59329.2	64539.2	72297.2	84883.0	104547.1	132269.1	169458.2	255162.8
5°	37276.5	48557.3	55545.6	60244.9	65911.4	74782.6	89712.3	113319.6	146492.1	203266.6	364516.9
2.5°	38523.0	49693.6	56269.7	60802.5	66749.7	76307.3	92692.2	118777.3	155447.2	237238.4	459924.7
0°	38940.4	50074.4	56512.6	60989.8	67031.7	76821.4	93700.2	120631.6	158510.7	253620.4	494846.7
-2.5°	38523.0	49693.6	56269.7	60802.5	66749.7	76307.3	92692.2	118777.3	155447.2	237238.4	459924.7
-5°	37276.5	48557.3	55545.6	60244.9	65911.4	74782.6	89712.3	113319.6	146492.1	203266.6	364516.9
-7.5°	35217.3	46683.0	54353.5	59329.2	64539.2	72297.2	84883.0	104547.1	132269.1	169458.2	255162.8
-10°	32371.6	44098.6	52714.2	58074.4	62667.1	68926.1	78382.7	93175.5	115634.6	143996.6	180095.8
-12.5°	28773.9	40840.2	50654.5	56500.7	60506.2	65628.9	73107.2	84305.6	99805.2	119479.3	143996.6
-15°	24542.9	36543.2	46841.3	53828.3	58474.4	62624.2	67759.2	75274.9	86337.1	99805.2	115634.6
-17.5°	19931.6	31152.3	41987.7	50781.7	56022.9	59696.3	63800.7	68781.4	75274.9	84305.6	93175.5
-20°	14747.3	25144.0	36090.1	45450.6	52370.7	56952.9	60110.7	63800.7	67759.2	73107.2	78382.7



REPORT NUMBER: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10600.3	18999.2	28962.5	39091.3	47215.7	52907.9	56952.9	59696.3	62624.2	65628.9	68926.1
-25°	6790.9	12643.7	21601.9	30918.7	39940.5	47215.7	52370.7	56022.9	58474.4	60506.2	62667.1
-27.5°	4443.9	8286.5	14044.4	22478.4	30918.7	39091.3	45450.6	50781.7	53828.3	56500.7	58074.4
-30°	2848.7	4802.3	8789.5	14044.4	21601.9	28962.5	36090.1	41987.7	46841.3	50654.5	52714.2
-32.5°	1888.8	3023.3	4802.3	8286.5	12643.7	18999.2	25144.0	31152.3	36543.2	40840.2	44098.6
-35°	1151.1	1888.8	2848.7	4443.9	6790.9	10600.3	14747.3	19931.6	24542.9	28773.9	32371.6
-37.5°	935.7	1131.5	1715.8	2480.3	3736.0	5045.3	7604.7	10556.5	13221.1	16897.8	19959.6
-40°	823.0	897.5	1073.1	1373.5	2044.7	2695.5	3812.6	4820.4	6148.7	8230.8	9960.8
-42.5°	756.0	807.6	852.9	977.0	1122.1	1448.4	1977.9	2454.3	3101.1	3808.4	4395.0
-45°	671.0	729.7	782.4	822.2	859.3	970.0	1083.8	1185.9	1532.3	1865.1	2140.7
-47.5°	559.7	634.4	690.9	739.7	782.2	814.0	842.9	879.9	962.9	1033.9	1092.6
-50°	441.7	508.8	574.5	636.1	682.3	721.1	756.3	784.2	805.1	823.1	837.9
-52.5°	328.0	386.8	444.5	499.2	552.1	600.7	644.8	675.6	701.0	722.7	740.6
-55°	261.6	293.5	323.5	367.4	413.6	456.0	494.7	530.9	562.5	589.5	611.8
-57.5°	214.2	231.6	251.2	277.0	300.9	322.7	351.4	382.7	410.1	433.4	452.7
-60°	170.6	189.6	204.8	218.7	231.6	243.5	261.6	277.6	291.6	303.6	313.5
-62.5°	126.0	139.2	155.4	170.6	184.6	196.3	206.0	214.6	222.1	228.4	233.7
-65°	106.6	112.8	118.6	123.9	129.2	140.7	151.1	160.4	168.5	175.3	181.0
-67.5°	89.6	94.3	98.7	102.8	107.0	111.0	114.7	117.9	120.8	123.2	125.2
-70°	74.8	78.2	81.4	84.5	87.9	90.9	93.6	96.1	98.2	100.0	101.5
-72.5°	62.0	64.4	66.8	69.4	71.7	73.9	75.8	77.5	79.0	80.3	81.3
-75°	50.8	52.6	54.6	56.4	58.1	59.6	61.0	62.2	63.2	64.1	64.9
-77.5°	41.7	43.0	44.3	45.5	46.6	47.6	48.5	49.3	50.0	50.6	51.1
-80°	33.1	34.1	35.1	36.0	36.8	37.5	38.2	38.8	39.3	39.7	40.1
-82.5°	25.7	26.3	26.9	27.4	27.9	28.3	28.8	29.1	29.4	29.7	29.9
-85°	19.4	19.7	20.0	20.3	20.5	20.8	21.0	21.2	21.3	21.5	21.6
-87.5°	12.4	12.7	13.1	13.4	13.7	13.9	14.2	14.4	14.6	14.7	14.9
-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: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-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°	15.0	15.0	15.1	15.1	15.1	15.0	15.0	14.9	14.7	14.6	14.4
85°	21.7	21.7	21.8	21.8	21.8	21.7	21.7	21.6	21.5	21.3	21.2
82.5°	30.1	30.2	30.3	30.3	30.3	30.2	30.1	29.9	29.7	29.4	29.1
80°	40.3	40.5	40.7	40.7	40.7	40.5	40.3	40.1	39.7	39.3	38.8
77.5°	51.5	51.8	51.9	52.0	51.9	51.8	51.5	51.1	50.6	50.0	49.3
75°	65.5	65.9	66.1	66.2	66.1	65.9	65.5	64.9	64.1	63.2	62.2
72.5°	82.1	82.7	83.1	83.2	83.1	82.7	82.1	81.3	80.3	79.0	77.5
70°	102.6	103.4	103.9	104.1	103.9	103.4	102.6	101.5	100.0	98.2	96.1
67.5°	126.7	127.8	128.5	128.7	128.5	127.8	126.7	125.2	123.2	120.8	117.9
65°	185.4	188.6	190.5	191.1	190.5	188.6	185.4	181.0	175.3	168.5	160.4
62.5°	237.8	240.7	242.5	243.1	242.5	240.7	237.8	233.7	228.4	222.1	214.6
60°	321.2	326.7	330.0	331.1	330.0	326.7	321.2	313.5	303.6	291.6	277.6
57.5°	467.7	478.5	485.0	487.2	485.0	478.5	467.7	452.7	433.4	410.1	382.7
55°	629.2	641.8	649.3	651.8	649.3	641.8	629.2	611.8	589.5	562.5	530.9
52.5°	754.6	764.7	770.8	772.8	770.8	764.7	754.6	740.6	722.7	701.0	675.6
50°	849.5	857.9	862.9	864.6	862.9	857.9	849.5	837.9	823.1	805.1	784.2
47.5°	1138.7	1171.9	1191.8	1198.5	1191.8	1171.9	1138.7	1092.6	1033.9	962.9	879.9
45°	2357.2	2513.0	2606.9	2638.3	2606.9	2513.0	2357.2	2140.7	1865.1	1532.3	1185.9
42.5°	4856.4	5188.7	5389.3	5456.3	5389.3	5188.7	4856.4	4395.0	3808.4	3101.1	2454.3
40°	11323.6	12306.5	12900.2	13098.7	12900.2	12306.5	11323.6	9960.8	8230.8	6148.7	4820.4
37.5°	22375.9	24121.3	25176.5	25529.6	25176.5	24121.3	22375.9	19959.6	16897.8	13221.1	10556.5
35°	35217.3	37276.5	38523.0	38940.4	38523.0	37276.5	35217.3	32371.6	28773.9	24542.9	19931.6
32.5°	46683.0	48557.3	49693.6	50074.4	49693.6	48557.3	46683.0	44098.6	40840.2	36543.2	31152.3
30°	54353.5	55545.6	56269.7	56512.6	56269.7	55545.6	54353.5	52714.2	50654.5	46841.3	41987.7
27.5°	59329.2	60244.9	60802.5	60989.8	60802.5	60244.9	59329.2	58074.4	56500.7	53828.3	50781.7
25°	64539.2	65911.4	66749.7	67031.7	66749.7	65911.4	64539.2	62667.1	60506.2	58474.4	56022.9
22.5°	72297.2	74782.6	76307.3	76821.4	76307.3	74782.6	72297.2	68926.1	65628.9	62624.2	59696.3
20°	84883.0	89712.3	92692.2	93700.2	92692.2	89712.3	84883.0	78382.7	73107.2	67759.2	63800.7
17.5°	104547.1	113319.6	118777.3	120631.6	118777.3	113319.6	104547.1	93175.5	84305.6	75274.9	68781.4
15°	132269.1	146492.1	155447.2	158510.7	155447.2	146492.1	132269.1	115634.6	99805.2	86337.1	75274.9
12.5°	169458.2	203266.6	237238.4	253620.4	237238.4	203266.6	169458.2	143996.6	119479.3	99805.2	84305.6
10°	255162.8	364516.9	459924.7	494846.7	459924.7	364516.9	255162.8	180095.8	143996.6	115634.6	93175.5
7.5°	427059.7	604183.8	684923.8	705801.0	684923.8	604183.8	427059.7	255162.8	169458.2	132269.1	104547.1
5°	604183.8	728230.3	788158.8	809572.3	788158.8	728230.3	604183.8	364516.9	203266.6	146492.1	113319.6
2.5°	684923.8	788158.8	856490.2	884935.6	856490.2	788158.8	684923.8	459924.7	237238.4	155447.2	118777.3
0°	705801.0	809572.3	884935.6	920681.0	884935.6	809572.3	705801.0	494846.7	253620.4	158510.7	120631.6
-2.5°	684923.8	788158.8	856490.2	884935.6	856490.2	788158.8	684923.8	459924.7	237238.4	155447.2	118777.3
-5°	604183.8	728230.3	788158.8	809572.3	788158.8	728230.3	604183.8	364516.9	203266.6	146492.1	113319.6
-7.5°	427059.7	604183.8	684923.8	705801.0	684923.8	604183.8	427059.7	255162.8	169458.2	132269.1	104547.1
-10°	255162.8	364516.9	459924.7	494846.7	459924.7	364516.9	255162.8	180095.8	143996.6	115634.6	93175.5
-12.5°	169458.2	203266.6	237238.4	253620.4	237238.4	203266.6	169458.2	143996.6	119479.3	99805.2	84305.6
-15°	132269.1	146492.1	155447.2	158510.7	155447.2	146492.1	132269.1	115634.6	99805.2	86337.1	75274.9
-17.5°	104547.1	113319.6	118777.3	120631.6	118777.3	113319.6	104547.1	93175.5	84305.6	75274.9	68781.4
-20°	84883.0	89712.3	92692.2	93700.2	92692.2	89712.3	84883.0	78382.7	73107.2	67759.2	63800.7



REPORT NUMBER: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	72297.2	74782.6	76307.3	76821.4	76307.3	74782.6	72297.2	68926.1	65628.9	62624.2	59696.3
-25°	64539.2	65911.4	66749.7	67031.7	66749.7	65911.4	64539.2	62667.1	60506.2	58474.4	56022.9
-27.5°	59329.2	60244.9	60802.5	60989.8	60802.5	60244.9	59329.2	58074.4	56500.7	53828.3	50781.7
-30°	54353.5	55545.6	56269.7	56512.6	56269.7	55545.6	54353.5	52714.2	50654.5	46841.3	41987.7
-32.5°	46683.0	48557.3	49693.6	50074.4	49693.6	48557.3	46683.0	44098.6	40840.2	36543.2	31152.3
-35°	35217.3	37276.5	38523.0	38940.4	38523.0	37276.5	35217.3	32371.6	28773.9	24542.9	19931.6
-37.5°	22375.9	24121.3	25176.5	25529.6	25176.5	24121.3	22375.9	19959.6	16897.8	13221.1	10556.5
-40°	11323.6	12306.5	12900.2	13098.7	12900.2	12306.5	11323.6	9960.8	8230.8	6148.7	4820.4
-42.5°	4856.4	5188.7	5389.3	5456.3	5389.3	5188.7	4856.4	4395.0	3808.4	3101.1	2454.3
-45°	2357.2	2513.0	2606.9	2638.3	2606.9	2513.0	2357.2	2140.7	1865.1	1532.3	1185.9
-47.5°	1138.7	1171.9	1191.8	1198.5	1191.8	1171.9	1138.7	1092.6	1033.9	962.9	879.9
-50°	849.5	857.9	862.9	864.6	862.9	857.9	849.5	837.9	823.1	805.1	784.2
-52.5°	754.6	764.7	770.8	772.8	770.8	764.7	754.6	740.6	722.7	701.0	675.6
-55°	629.2	641.8	649.3	651.8	649.3	641.8	629.2	611.8	589.5	562.5	530.9
-57.5°	467.7	478.5	485.0	487.2	485.0	478.5	467.7	452.7	433.4	410.1	382.7
-60°	321.2	326.7	330.0	331.1	330.0	326.7	321.2	313.5	303.6	291.6	277.6
-62.5°	237.8	240.7	242.5	243.1	242.5	240.7	237.8	233.7	228.4	222.1	214.6
-65°	185.4	188.6	190.5	191.1	190.5	188.6	185.4	181.0	175.3	168.5	160.4
-67.5°	126.7	127.8	128.5	128.7	128.5	127.8	126.7	125.2	123.2	120.8	117.9
-70°	102.6	103.4	103.9	104.1	103.9	103.4	102.6	101.5	100.0	98.2	96.1
-72.5°	82.1	82.7	83.1	83.2	83.1	82.7	82.1	81.3	80.3	79.0	77.5
-75°	65.5	65.9	66.1	66.2	66.1	65.9	65.5	64.9	64.1	63.2	62.2
-77.5°	51.5	51.8	51.9	52.0	51.9	51.8	51.5	51.1	50.6	50.0	49.3
-80°	40.3	40.5	40.7	40.7	40.7	40.5	40.3	40.1	39.7	39.3	38.8
-82.5°	30.1	30.2	30.3	30.3	30.3	30.2	30.1	29.9	29.7	29.4	29.1
-85°	21.7	21.7	21.8	21.8	21.8	21.7	21.7	21.6	21.5	21.3	21.2
-87.5°	15.0	15.0	15.1	15.1	15.1	15.0	15.0	14.9	14.7	14.6	14.4
-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: P699928 (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°	14.2	13.9	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	10.7
85°	21.0	20.8	20.5	20.3	20.0	19.7	19.4	19.0	18.7	18.3	17.9
82.5°	28.8	28.3	27.9	27.4	26.9	26.3	25.7	25.0	24.3	23.6	22.8
80°	38.2	37.5	36.8	36.0	35.1	34.1	33.1	32.0	30.9	29.8	28.8
77.5°	48.5	47.6	46.6	45.5	44.3	43.0	41.7	40.2	38.8	37.3	35.7
75°	61.0	59.6	58.1	56.4	54.6	52.6	50.8	49.1	47.2	45.2	43.2
72.5°	75.8	73.9	71.7	69.4	66.8	64.4	62.0	59.4	56.6	53.8	51.0
70°	93.6	90.9	87.9	84.5	81.4	78.2	74.8	71.3	67.5	64.0	60.5
67.5°	114.7	111.0	107.0	102.8	98.7	94.3	89.6	84.7	80.1	75.6	71.0
65°	151.1	140.7	129.2	123.9	118.6	112.8	106.6	100.7	94.8	88.7	82.4
62.5°	206.0	196.3	184.6	170.6	155.4	139.2	126.0	118.8	111.1	103.3	96.2
60°	261.6	243.5	231.6	218.7	204.8	189.6	170.6	150.4	129.2	120.2	111.0
57.5°	351.4	322.7	300.9	277.0	251.2	231.6	214.2	195.9	173.8	149.6	127.0
55°	494.7	456.0	413.6	367.4	323.5	293.5	261.6	234.1	213.2	191.5	164.3
52.5°	644.8	600.7	552.1	499.2	444.5	386.8	328.0	291.6	253.5	225.8	201.4
50°	756.3	721.1	682.3	636.1	574.5	508.8	441.7	372.4	313.5	270.9	233.4
47.5°	842.9	814.0	782.2	739.7	690.9	634.4	559.7	481.6	404.0	326.7	279.6
45°	1083.8	970.0	859.3	822.2	782.4	729.7	671.0	594.1	506.8	419.9	331.1
42.5°	1977.9	1448.4	1122.1	977.0	852.9	807.6	756.0	690.4	611.5	515.3	419.9
40°	3812.6	2695.5	2044.7	1373.5	1073.1	897.5	823.0	769.2	696.9	611.5	506.8
37.5°	7604.7	5045.3	3736.0	2480.3	1715.8	1131.5	935.7	828.1	769.2	690.4	594.1
35°	14747.3	10600.3	6790.9	4443.9	2848.7	1888.8	1151.1	935.7	823.0	756.0	671.0
32.5°	25144.0	18999.2	12643.7	8286.5	4802.3	3023.3	1888.8	1131.5	897.5	807.6	729.7
30°	36090.1	28962.5	21601.9	14044.4	8789.5	4802.3	2848.7	1715.8	1073.1	852.9	782.4
27.5°	45450.6	39091.3	30918.7	22478.4	14044.4	8286.5	4443.9	2480.3	1373.5	977.0	822.2
25°	52370.7	47215.7	39940.5	30918.7	21601.9	12643.7	6790.9	3736.0	2044.7	1122.1	859.3
22.5°	56952.9	52907.9	47215.7	39091.3	28962.5	18999.2	10600.3	5045.3	2695.5	1448.4	970.0
20°	60110.7	56952.9	52370.7	45450.6	36090.1	25144.0	14747.3	7604.7	3812.6	1977.9	1083.8
17.5°	63800.7	59696.3	56022.9	50781.7	41987.7	31152.3	19931.6	10556.5	4820.4	2454.3	1185.9
15°	67759.2	62624.2	58474.4	53828.3	46841.3	36543.2	24542.9	13221.1	6148.7	3101.1	1532.3
12.5°	73107.2	65628.9	60506.2	56500.7	50654.5	40840.2	28773.9	16897.8	8230.8	3808.4	1865.1
10°	78382.7	68926.1	62667.1	58074.4	52714.2	44098.6	32371.6	19959.6	9960.8	4395.0	2140.7
7.5°	84883.0	72297.2	64539.2	59329.2	54353.5	46683.0	35217.3	22375.9	11323.6	4856.4	2357.2
5°	89712.3	74782.6	65911.4	60244.9	55545.6	48557.3	37276.5	24121.3	12306.5	5188.7	2513.0
2.5°	92692.2	76307.3	66749.7	60802.5	56269.7	49693.6	38523.0	25176.5	12900.2	5389.3	2606.9
0°	93700.2	76821.4	67031.7	60989.8	56512.6	50074.4	38940.4	25529.6	13098.7	5456.3	2638.3
-2.5°	92692.2	76307.3	66749.7	60802.5	56269.7	49693.6	38523.0	25176.5	12900.2	5389.3	2606.9
-5°	89712.3	74782.6	65911.4	60244.9	55545.6	48557.3	37276.5	24121.3	12306.5	5188.7	2513.0
-7.5°	84883.0	72297.2	64539.2	59329.2	54353.5	46683.0	35217.3	22375.9	11323.6	4856.4	2357.2
-10°	78382.7	68926.1	62667.1	58074.4	52714.2	44098.6	32371.6	19959.6	9960.8	4395.0	2140.7
-12.5°	73107.2	65628.9	60506.2	56500.7	50654.5	40840.2	28773.9	16897.8	8230.8	3808.4	1865.1
-15°	67759.2	62624.2	58474.4	53828.3	46841.3	36543.2	24542.9	13221.1	6148.7	3101.1	1532.3
-17.5°	63800.7	59696.3	56022.9	50781.7	41987.7	31152.3	19931.6	10556.5	4820.4	2454.3	1185.9
-20°	60110.7	56952.9	52370.7	45450.6	36090.1	25144.0	14747.3	7604.7	3812.6	1977.9	1083.8



REPORT NUMBER: P699928 (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°	56952.9	52907.9	47215.7	39091.3	28962.5	18999.2	10600.3	5045.3	2695.5	1448.4	970.0
-25°	52370.7	47215.7	39940.5	30918.7	21601.9	12643.7	6790.9	3736.0	2044.7	1122.1	859.3
-27.5°	45450.6	39091.3	30918.7	22478.4	14044.4	8286.5	4443.9	2480.3	1373.5	977.0	822.2
-30°	36090.1	28962.5	21601.9	14044.4	8789.5	4802.3	2848.7	1715.8	1073.1	852.9	782.4
-32.5°	25144.0	18999.2	12643.7	8286.5	4802.3	3023.3	1888.8	1131.5	897.5	807.6	729.7
-35°	14747.3	10600.3	6790.9	4443.9	2848.7	1888.8	1151.1	935.7	823.0	756.0	671.0
-37.5°	7604.7	5045.3	3736.0	2480.3	1715.8	1131.5	935.7	828.1	769.2	690.4	594.1
-40°	3812.6	2695.5	2044.7	1373.5	1073.1	897.5	823.0	769.2	696.9	611.5	506.8
-42.5°	1977.9	1448.4	1122.1	977.0	852.9	807.6	756.0	690.4	611.5	515.3	419.9
-45°	1083.8	970.0	859.3	822.2	782.4	729.7	671.0	594.1	506.8	419.9	331.1
-47.5°	842.9	814.0	782.2	739.7	690.9	634.4	559.7	481.6	404.0	326.7	279.6
-50°	756.3	721.1	682.3	636.1	574.5	508.8	441.7	372.4	313.5	270.9	233.4
-52.5°	644.8	600.7	552.1	499.2	444.5	386.8	328.0	291.6	253.5	225.8	201.4
-55°	494.7	456.0	413.6	367.4	323.5	293.5	261.6	234.1	213.2	191.5	164.3
-57.5°	351.4	322.7	300.9	277.0	251.2	231.6	214.2	195.9	173.8	149.6	127.0
-60°	261.6	243.5	231.6	218.7	204.8	189.6	170.6	150.4	129.2	120.2	111.0
-62.5°	206.0	196.3	184.6	170.6	155.4	139.2	126.0	118.8	111.1	103.3	96.2
-65°	151.1	140.7	129.2	123.9	118.6	112.8	106.6	100.7	94.8	88.7	82.4
-67.5°	114.7	111.0	107.0	102.8	98.7	94.3	89.6	84.7	80.1	75.6	71.0
-70°	93.6	90.9	87.9	84.5	81.4	78.2	74.8	71.3	67.5	64.0	60.5
-72.5°	75.8	73.9	71.7	69.4	66.8	64.4	62.0	59.4	56.6	53.8	51.0
-75°	61.0	59.6	58.1	56.4	54.6	52.6	50.8	49.1	47.2	45.2	43.2
-77.5°	48.5	47.6	46.6	45.5	44.3	43.0	41.7	40.2	38.8	37.3	35.7
-80°	38.2	37.5	36.8	36.0	35.1	34.1	33.1	32.0	30.9	29.8	28.8
-82.5°	28.8	28.3	27.9	27.4	26.9	26.3	25.7	25.0	24.3	23.6	22.8
-85°	21.0	20.8	20.5	20.3	20.0	19.7	19.4	19.0	18.7	18.3	17.9
-87.5°	14.2	13.9	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	10.7
-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: P699928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-4R-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°	10.2	9.7	9.2	8.7	8.1	7.5	7.0	6.4	5.8	5.2	4.5
85°	17.4	17.0	16.6	16.1	15.6	15.1	13.9	12.7	11.5	10.3	9.1
82.5°	22.0	21.3	20.6	19.9	19.2	18.4	17.7	16.9	16.1	15.3	13.6
80°	27.7	26.6	25.4	24.2	23.0	21.7	20.7	19.7	18.6	17.5	16.4
77.5°	34.1	32.4	30.6	29.0	27.5	25.9	24.3	22.6	21.1	19.8	18.4
75°	41.0	38.9	36.8	34.6	32.4	30.1	28.1	26.2	24.1	22.1	20.4
72.5°	48.5	45.9	43.2	40.4	37.8	35.1	32.3	29.6	27.3	24.9	22.4
70°	56.9	53.1	49.8	46.6	43.4	40.1	36.9	33.7	30.4	27.6	24.9
67.5°	66.1	61.9	57.5	53.0	49.1	45.4	41.5	37.8	34.1	30.4	27.3
65°	77.0	71.4	65.7	60.7	55.5	50.6	46.4	42.0	37.8	33.7	29.6
62.5°	88.9	81.6	75.2	68.6	62.6	56.8	51.1	46.4	41.5	36.9	32.3
60°	101.9	93.6	85.0	77.5	70.2	63.2	56.8	50.6	45.4	40.1	35.1
57.5°	116.7	106.1	96.5	87.0	78.3	70.2	62.6	55.5	49.1	43.4	37.8
55°	136.2	120.2	108.4	97.5	87.0	77.5	68.6	60.7	53.0	46.6	40.4
52.5°	173.2	142.1	121.3	108.4	96.5	85.0	75.2	65.7	57.5	49.8	43.2
50°	206.5	176.2	142.1	120.2	106.1	93.6	81.6	71.4	61.9	53.1	45.9
47.5°	236.0	206.5	173.2	136.2	116.7	101.9	88.9	77.0	66.1	56.9	48.5
45°	279.6	233.4	201.4	164.3	127.0	111.0	96.2	82.4	71.0	60.5	51.0
42.5°	326.7	270.9	225.8	191.5	149.6	120.2	103.3	88.7	75.6	64.0	53.8
40°	404.0	313.5	253.5	213.2	173.8	129.2	111.1	94.8	80.1	67.5	56.6
37.5°	481.6	372.4	291.6	234.1	195.9	150.4	118.8	100.7	84.7	71.3	59.4
35°	559.7	441.7	328.0	261.6	214.2	170.6	126.0	106.6	89.6	74.8	62.0
32.5°	634.4	508.8	386.8	293.5	231.6	189.6	139.2	112.8	94.3	78.2	64.4
30°	690.9	574.5	444.5	323.5	251.2	204.8	155.4	118.6	98.7	81.4	66.8
27.5°	739.7	636.1	499.2	367.4	277.0	218.7	170.6	123.9	102.8	84.5	69.4
25°	782.2	682.3	552.1	413.6	300.9	231.6	184.6	129.2	107.0	87.9	71.7
22.5°	814.0	721.1	600.7	456.0	322.7	243.5	196.3	140.7	111.0	90.9	73.9
20°	842.9	756.3	644.8	494.7	351.4	261.6	206.0	151.1	114.7	93.6	75.8
17.5°	879.9	784.2	675.6	530.9	382.7	277.6	214.6	160.4	117.9	96.1	77.5
15°	962.9	805.1	701.0	562.5	410.1	291.6	222.1	168.5	120.8	98.2	79.0
12.5°	1033.9	823.1	722.7	589.5	433.4	303.6	228.4	175.3	123.2	100.0	80.3
10°	1092.6	837.9	740.6	611.8	452.7	313.5	233.7	181.0	125.2	101.5	81.3
7.5°	1138.7	849.5	754.6	629.2	467.7	321.2	237.8	185.4	126.7	102.6	82.1
5°	1171.9	857.9	764.7	641.8	478.5	326.7	240.7	188.6	127.8	103.4	82.7
2.5°	1191.8	862.9	770.8	649.3	485.0	330.0	242.5	190.5	128.5	103.9	83.1
0°	1198.5	864.6	772.8	651.8	487.2	331.1	243.1	191.1	128.7	104.1	83.2
-2.5°	1191.8	862.9	770.8	649.3	485.0	330.0	242.5	190.5	128.5	103.9	83.1
-5°	1171.9	857.9	764.7	641.8	478.5	326.7	240.7	188.6	127.8	103.4	82.7
-7.5°	1138.7	849.5	754.6	629.2	467.7	321.2	237.8	185.4	126.7	102.6	82.1
-10°	1092.6	837.9	740.6	611.8	452.7	313.5	233.7	181.0	125.2	101.5	81.3
-12.5°	1033.9	823.1	722.7	589.5	433.4	303.6	228.4	175.3	123.2	100.0	80.3
-15°	962.9	805.1	701.0	562.5	410.1	291.6	222.1	168.5	120.8	98.2	79.0
-17.5°	879.9	784.2	675.6	530.9	382.7	277.6	214.6	160.4	117.9	96.1	77.5
-20°	842.9	756.3	644.8	494.7	351.4	261.6	206.0	151.1	114.7	93.6	75.8



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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°	814.0	721.1	600.7	456.0	322.7	243.5	196.3	140.7	111.0	90.9	73.9
-25°	782.2	682.3	552.1	413.6	300.9	231.6	184.6	129.2	107.0	87.9	71.7
-27.5°	739.7	636.1	499.2	367.4	277.0	218.7	170.6	123.9	102.8	84.5	69.4
-30°	690.9	574.5	444.5	323.5	251.2	204.8	155.4	118.6	98.7	81.4	66.8
-32.5°	634.4	508.8	386.8	293.5	231.6	189.6	139.2	112.8	94.3	78.2	64.4
-35°	559.7	441.7	328.0	261.6	214.2	170.6	126.0	106.6	89.6	74.8	62.0
-37.5°	481.6	372.4	291.6	234.1	195.9	150.4	118.8	100.7	84.7	71.3	59.4
-40°	404.0	313.5	253.5	213.2	173.8	129.2	111.1	94.8	80.1	67.5	56.6
-42.5°	326.7	270.9	225.8	191.5	149.6	120.2	103.3	88.7	75.6	64.0	53.8
-45°	279.6	233.4	201.4	164.3	127.0	111.0	96.2	82.4	71.0	60.5	51.0
-47.5°	236.0	206.5	173.2	136.2	116.7	101.9	88.9	77.0	66.1	56.9	48.5
-50°	206.5	176.2	142.1	120.2	106.1	93.6	81.6	71.4	61.9	53.1	45.9
-52.5°	173.2	142.1	121.3	108.4	96.5	85.0	75.2	65.7	57.5	49.8	43.2
-55°	136.2	120.2	108.4	97.5	87.0	77.5	68.6	60.7	53.0	46.6	40.4
-57.5°	116.7	106.1	96.5	87.0	78.3	70.2	62.6	55.5	49.1	43.4	37.8
-60°	101.9	93.6	85.0	77.5	70.2	63.2	56.8	50.6	45.4	40.1	35.1
-62.5°	88.9	81.6	75.2	68.6	62.6	56.8	51.1	46.4	41.5	36.9	32.3
-65°	77.0	71.4	65.7	60.7	55.5	50.6	46.4	42.0	37.8	33.7	29.6
-67.5°	66.1	61.9	57.5	53.0	49.1	45.4	41.5	37.8	34.1	30.4	27.3
-70°	56.9	53.1	49.8	46.6	43.4	40.1	36.9	33.7	30.4	27.6	24.9
-72.5°	48.5	45.9	43.2	40.4	37.8	35.1	32.3	29.6	27.3	24.9	22.4
-75°	41.0	38.9	36.8	34.6	32.4	30.1	28.1	26.2	24.1	22.1	20.4
-77.5°	34.1	32.4	30.6	29.0	27.5	25.9	24.3	22.6	21.1	19.8	18.4
-80°	27.7	26.6	25.4	24.2	23.0	21.7	20.7	19.7	18.6	17.5	16.4
-82.5°	22.0	21.3	20.6	19.9	19.2	18.4	17.7	16.9	16.1	15.3	13.6
-85°	17.4	17.0	16.6	16.1	15.6	15.1	13.9	12.7	11.5	10.3	9.1
-87.5°	10.2	9.7	9.2	8.7	8.1	7.5	7.0	6.4	5.8	5.2	4.5
-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°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
82.5°	11.7	9.8	7.8	5.9	3.9	2.0	0.0
80°	15.3	13.0	10.4	7.8	5.2	2.6	0.0
77.5°	17.0	15.6	13.0	9.8	6.5	3.3	0.0
75°	18.7	17.0	15.3	11.7	7.8	3.9	0.0
72.5°	20.4	18.4	16.4	13.6	9.1	4.5	0.0
70°	22.1	19.8	17.5	15.3	10.3	5.2	0.0
67.5°	24.1	21.1	18.6	16.1	11.5	5.8	0.0
65°	26.2	22.6	19.7	16.9	12.7	6.4	0.0
62.5°	28.1	24.3	20.7	17.7	13.9	7.0	0.0
60°	30.1	25.9	21.7	18.4	15.1	7.5	0.0
57.5°	32.4	27.5	23.0	19.2	15.6	8.1	0.0
55°	34.6	29.0	24.2	19.9	16.1	8.7	0.0
52.5°	36.8	30.6	25.4	20.6	16.6	9.2	0.0
50°	38.9	32.4	26.6	21.3	17.0	9.7	0.0
47.5°	41.0	34.1	27.7	22.0	17.4	10.2	0.0
45°	43.2	35.7	28.8	22.8	17.9	10.7	0.0
42.5°	45.2	37.3	29.8	23.6	18.3	11.1	0.0
40°	47.2	38.8	30.9	24.3	18.7	11.6	0.0
37.5°	49.1	40.2	32.0	25.0	19.0	12.0	0.0
35°	50.8	41.7	33.1	25.7	19.4	12.4	0.0
32.5°	52.6	43.0	34.1	26.3	19.7	12.7	0.0
30°	54.6	44.3	35.1	26.9	20.0	13.1	0.0
27.5°	56.4	45.5	36.0	27.4	20.3	13.4	0.0
25°	58.1	46.6	36.8	27.9	20.5	13.7	0.0
22.5°	59.6	47.6	37.5	28.3	20.8	13.9	0.0
20°	61.0	48.5	38.2	28.8	21.0	14.2	0.0
17.5°	62.2	49.3	38.8	29.1	21.2	14.4	0.0
15°	63.2	50.0	39.3	29.4	21.3	14.6	0.0
12.5°	64.1	50.6	39.7	29.7	21.5	14.7	0.0
10°	64.9	51.1	40.1	29.9	21.6	14.9	0.0
7.5°	65.5	51.5	40.3	30.1	21.7	15.0	0.0
5°	65.9	51.8	40.5	30.2	21.7	15.0	0.0
2.5°	66.1	51.9	40.7	30.3	21.8	15.1	0.0
0°	66.2	52.0	40.7	30.3	21.8	15.1	0.0
-2.5°	66.1	51.9	40.7	30.3	21.8	15.1	0.0
-5°	65.9	51.8	40.5	30.2	21.7	15.0	0.0
-7.5°	65.5	51.5	40.3	30.1	21.7	15.0	0.0
-10°	64.9	51.1	40.1	29.9	21.6	14.9	0.0
-12.5°	64.1	50.6	39.7	29.7	21.5	14.7	0.0
-15°	63.2	50.0	39.3	29.4	21.3	14.6	0.0
-17.5°	62.2	49.3	38.8	29.1	21.2	14.4	0.0
-20°	61.0	48.5	38.2	28.8	21.0	14.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	59.6	47.6	37.5	28.3	20.8	13.9	0.0
-25°	58.1	46.6	36.8	27.9	20.5	13.7	0.0
-27.5°	56.4	45.5	36.0	27.4	20.3	13.4	0.0
-30°	54.6	44.3	35.1	26.9	20.0	13.1	0.0
-32.5°	52.6	43.0	34.1	26.3	19.7	12.7	0.0
-35°	50.8	41.7	33.1	25.7	19.4	12.4	0.0
-37.5°	49.1	40.2	32.0	25.0	19.0	12.0	0.0
-40°	47.2	38.8	30.9	24.3	18.7	11.6	0.0
-42.5°	45.2	37.3	29.8	23.6	18.3	11.1	0.0
-45°	43.2	35.7	28.8	22.8	17.9	10.7	0.0
-47.5°	41.0	34.1	27.7	22.0	17.4	10.2	0.0
-50°	38.9	32.4	26.6	21.3	17.0	9.7	0.0
-52.5°	36.8	30.6	25.4	20.6	16.6	9.2	0.0
-55°	34.6	29.0	24.2	19.9	16.1	8.7	0.0
-57.5°	32.4	27.5	23.0	19.2	15.6	8.1	0.0
-60°	30.1	25.9	21.7	18.4	15.1	7.5	0.0
-62.5°	28.1	24.3	20.7	17.7	13.9	7.0	0.0
-65°	26.2	22.6	19.7	16.9	12.7	6.4	0.0
-67.5°	24.1	21.1	18.6	16.1	11.5	5.8	0.0
-70°	22.1	19.8	17.5	15.3	10.3	5.2	0.0
-72.5°	20.4	18.4	16.4	13.6	9.1	4.5	0.0
-75°	18.7	17.0	15.3	11.7	7.8	3.9	0.0
-77.5°	17.0	15.6	13.0	9.8	6.5	3.3	0.0
-80°	15.3	13.0	10.4	7.8	5.2	2.6	0.0
-82.5°	11.7	9.8	7.8	5.9	3.9	2.0	0.0
-85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
-87.5°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)