

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: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-5R-S**

Issue Date: 8/10/2023

Test Information

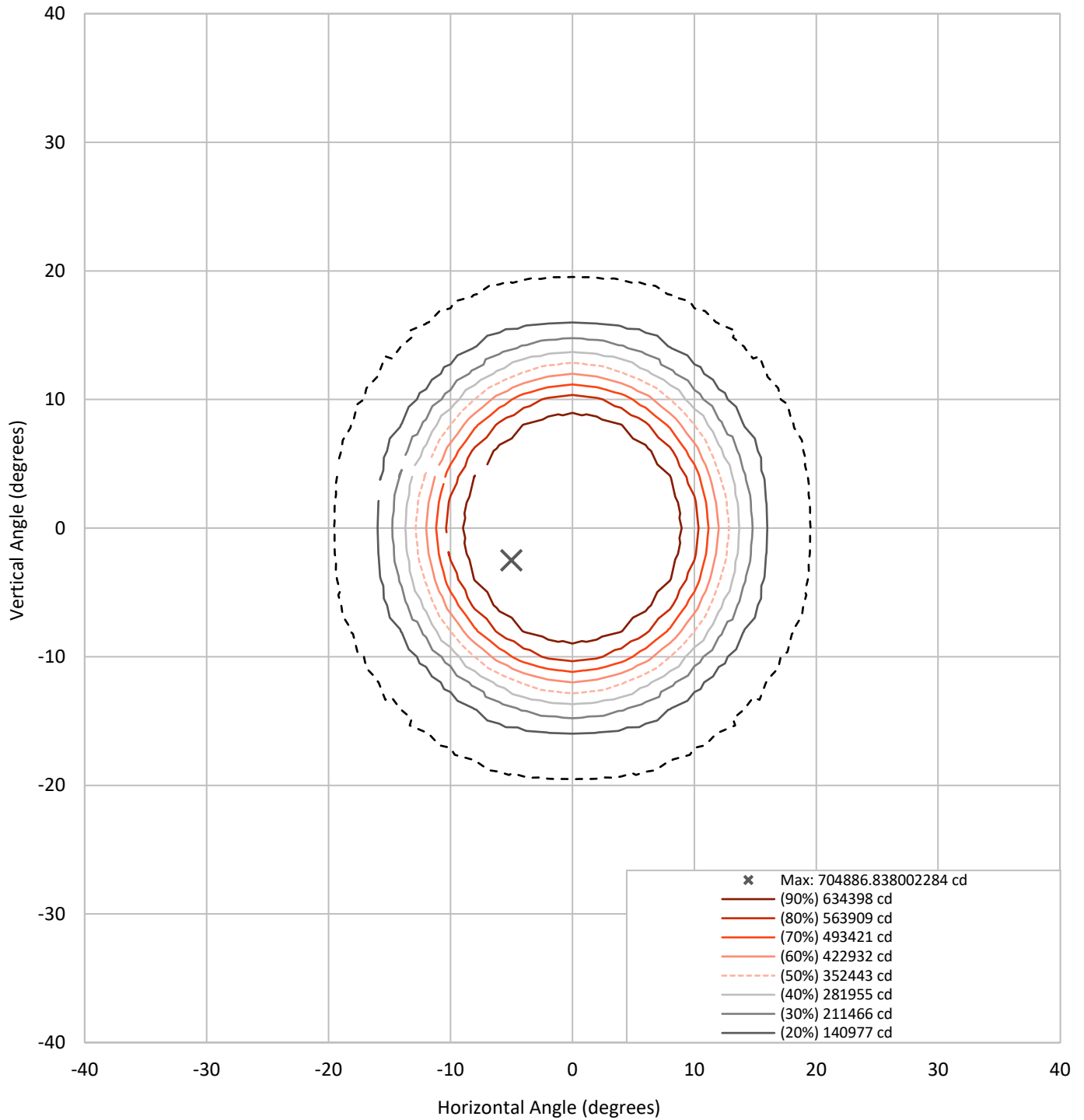
Test Method: LM-79-08
Report Number: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-51)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-5R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 5R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	169543 lumens	Max Intensity:	704886.8 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	131.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	25.1°H x 23.6°V	Field Angle (10%):	38.9°H x 38.4°V
Beam Lumens:	90256.5 lumens	Field Lumens:	125705.8 lumens
Beam Efficiency:	53.2%	Field Efficiency:	74.1%
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





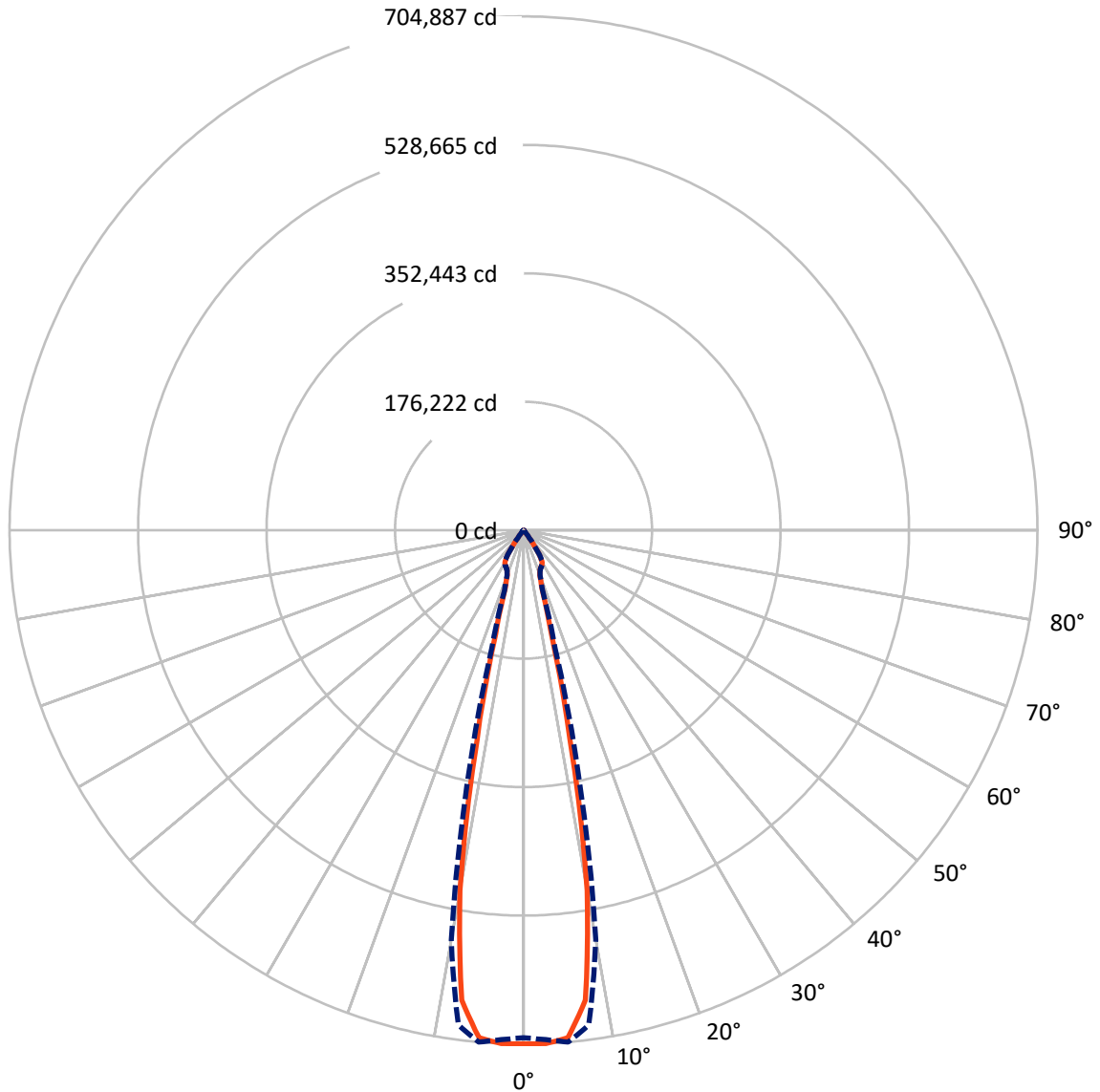
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Lumen Table

90	0.1	0.8	2.3	3.8	4.4	3.8	2.3	0.8	0.1							
80	0.1	0.8	2.3	3.8	4.4	3.8	2.3	0.8	0.1							
70	0.4	0.4	0.9	1.6	2.4	3.2	3.8	4.2	4.2	3.8	3.2	2.4	1.6	0.9	0.4	0.4
60		0.7	1.6	2.7	4.5	7.5	11.5	14.1	14.1	11.5	7.5	4.5	2.7	1.6	0.7	
50	0.7	1.0	2.2	4.8	12.3	22.3	30.7	38.9	38.9	30.7	22.3	12.3	4.8	2.2	1.0	0.7
40		1.3	3.2	10.7	24.0	89.6	424.3	764.4	764.4	424.3	89.6	24.0	10.7	3.2	1.3	
30	1.0	1.5	4.9	17.5	81.8	765.9	1489.7	1715.5	1715.5	1489.7	765.9	81.8	17.5	4.9	1.5	1.0
20		1.7	7.0	22.7	367.3	1399.8	2136.1	5812.3	5812.3	2136.1	1399.8	367.3	22.7	7.0	1.7	
10	1.1	1.8	8.3	28.0	641.2	1562.7	5672.9	19146.3	19146.3	5672.9	1562.7	641.2	28.0	8.3	1.8	1.1
0		1.8	8.3	28.0	641.2	1562.7	5672.9	19146.3	19146.3	5672.9	1562.7	641.2	28.0	8.3	1.8	
-10	1.0	1.7	7.0	22.7	367.3	1399.8	2136.1	5812.3	5812.3	2136.1	1399.8	367.3	22.7	7.0	1.7	1.0
-20		1.5	4.9	17.5	81.8	765.9	1489.7	1715.5	1715.5	1489.7	765.9	81.8	17.5	4.9	1.5	
-30	0.7	1.3	3.2	10.7	24.0	89.6	424.3	764.4	764.4	424.3	89.6	24.0	10.7	3.2	1.3	0.7
-40		1.0	2.2	4.8	12.3	22.3	30.7	38.9	38.9	30.7	22.3	12.3	4.8	2.2	1.0	
-50	0.4	0.7	1.6	2.7	4.5	7.5	11.5	14.1	14.1	11.5	7.5	4.5	2.7	1.6	0.7	0.4
-60		0.4	0.9	1.6	2.4	3.2	3.8	4.2	4.2	3.8	3.2	2.4	1.6	0.9	0.4	
-70	0.1	0.8	2.3	3.8	4.4	3.8	2.3	0.8	0.1							
-80		0.1	0.8	2.3	3.8	4.4	3.8	2.3	0.8	0.1						
-90	0.1	0.8	2.3	3.8	4.4	3.8	2.3	0.8	0.1							

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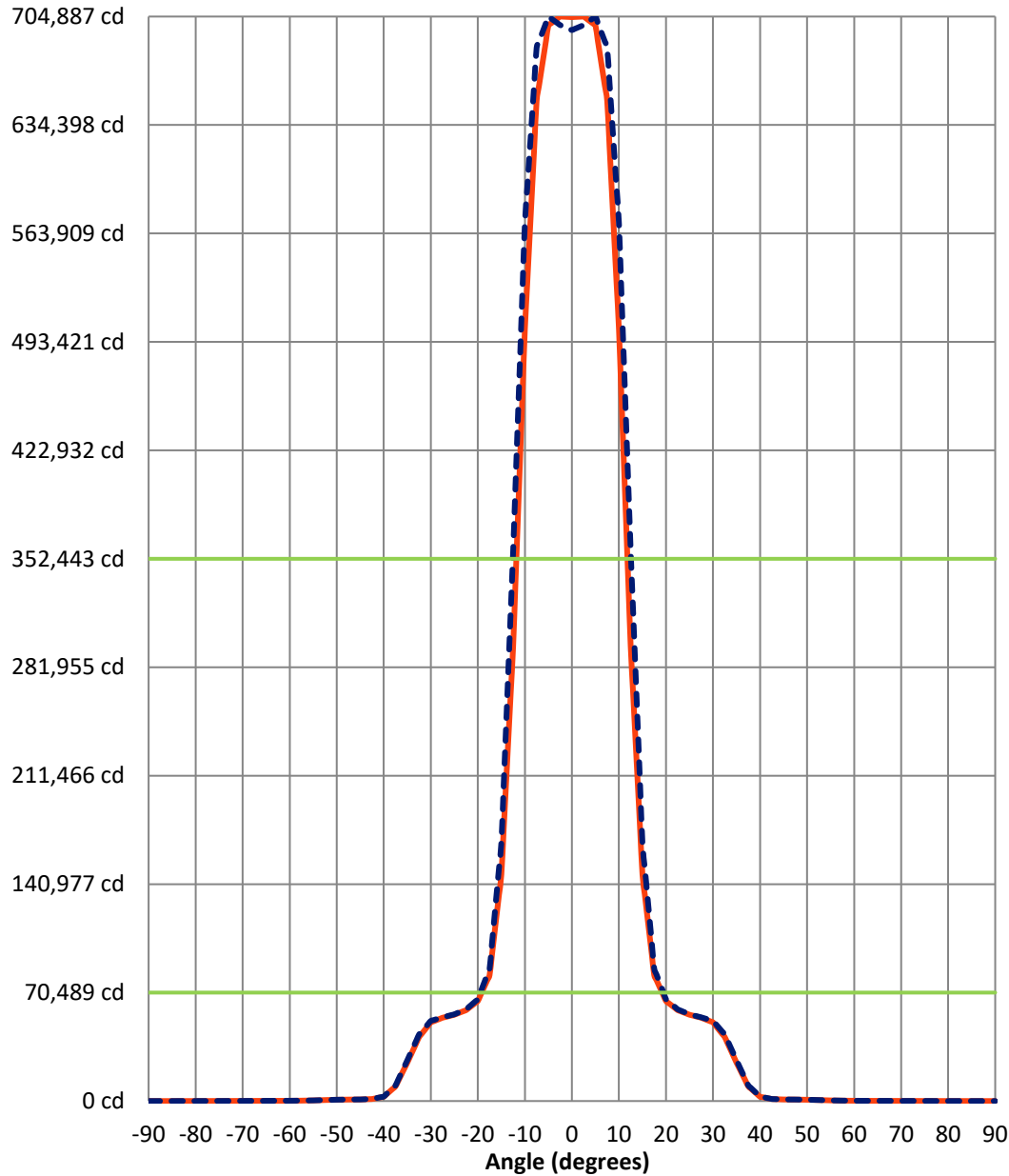
Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
H Angle: 25.1°
V Angle: 23.6°
Lumens: 90256.5
Efficiency: 53.2%

Field:
H Angle: 38.9°
V Angle: 38.4°
Lumens: 125705.8
Efficiency: 74.1%

Spill:
Lumens: 43837.2
Efficiency: 25.9%

— Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-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	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
85°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
82.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.2	5.9	6.6	7.3
80°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.8	9.7
77.5°	0.0	1.3	2.5	3.8	5.0	6.2	7.4	8.6	9.8	10.9	12.4
75°	0.0	1.5	3.0	4.5	6.0	7.4	8.9	10.3	11.8	13.9	15.9
72.5°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.1	14.6	17.0	19.4
70°	0.0	2.0	4.0	5.9	7.9	9.8	11.8	14.6	17.4	20.2	23.5
67.5°	0.0	2.2	4.4	6.6	8.8	10.9	13.9	17.0	20.2	24.0	27.8
65°	0.0	2.5	4.9	7.3	9.7	12.4	15.9	19.4	23.5	27.8	32.1
62.5°	0.0	2.7	5.4	8.0	10.6	14.0	17.9	22.1	26.8	31.6	37.0
60°	0.0	2.9	5.8	8.6	11.5	15.7	19.9	25.0	30.0	35.9	41.7
57.5°	0.0	3.1	6.2	9.3	12.7	17.3	22.2	27.7	33.6	40.0	46.8
55°	0.0	3.3	6.6	9.9	14.0	18.8	24.5	30.4	37.3	44.2	52.0
52.5°	0.0	3.5	7.0	10.5	15.2	20.4	26.7	33.4	40.8	48.8	57.1
50°	0.0	3.7	7.4	11.1	16.3	22.2	28.9	36.4	44.4	53.2	64.0
47.5°	0.0	3.9	7.8	11.7	17.5	24.0	31.1	39.3	48.2	57.5	71.0
45°	0.0	4.1	8.2	12.5	18.6	25.6	33.4	42.1	51.8	63.5	77.8
42.5°	0.0	4.3	8.5	13.3	19.6	27.2	35.7	45.0	55.3	69.3	83.0
40°	0.0	4.4	8.8	14.0	20.7	28.8	37.9	47.9	59.2	74.9	87.8
37.5°	0.0	4.6	9.1	14.7	21.9	30.2	39.9	50.7	63.9	79.8	92.3
35°	0.0	4.8	9.4	15.4	23.0	31.8	41.9	53.3	68.3	83.7	96.9
32.5°	0.0	4.9	9.7	16.0	24.0	33.3	43.8	55.8	72.5	87.4	101.4
30°	0.0	5.0	10.0	16.6	25.0	34.7	45.8	58.4	76.4	90.8	105.7
27.5°	0.0	5.1	10.2	17.2	25.9	36.0	47.6	61.6	79.7	94.0	109.7
25°	0.0	5.3	10.4	17.7	26.7	37.3	49.3	64.5	82.3	97.1	113.4
22.5°	0.0	5.4	10.6	18.1	27.4	38.4	50.9	67.1	84.7	100.1	117.3
20°	0.0	5.5	10.8	18.5	28.1	39.4	52.3	69.5	86.8	102.8	120.8
17.5°	0.0	5.5	11.0	18.9	28.7	40.3	53.5	71.7	88.7	105.2	123.9
15°	0.0	5.6	11.1	19.2	29.2	41.0	54.6	73.5	90.4	107.3	126.6
12.5°	0.0	5.7	11.2	19.5	29.7	41.7	55.5	75.1	91.8	109.1	129.0
10°	0.0	5.7	11.3	19.7	30.0	42.2	56.3	76.4	92.9	110.6	130.9
7.5°	0.0	5.8	11.4	19.9	30.3	42.7	56.8	77.4	93.8	111.7	132.4
5°	0.0	5.8	11.5	20.0	30.5	43.0	57.3	78.1	94.5	112.5	133.4
2.5°	0.0	5.8	11.5	20.1	30.7	43.1	57.5	78.6	94.9	113.0	134.1
0°	0.0	5.8	11.5	20.1	30.7	43.2	57.6	78.7	95.0	113.2	134.3
-2.5°	0.0	5.8	11.5	20.1	30.7	43.2	57.6	78.7	95.0	113.2	134.3
-5°	0.0	5.8	11.5	20.0	30.5	43.0	57.3	78.1	94.5	112.5	133.4
-7.5°	0.0	5.8	11.4	19.9	30.3	42.7	56.8	77.4	93.8	111.7	132.4
-10°	0.0	5.7	11.3	19.7	30.0	42.2	56.3	76.4	92.9	110.6	130.9
-12.5°	0.0	5.7	11.2	19.5	29.7	41.7	55.5	75.1	91.8	109.1	129.0
-15°	0.0	5.6	11.1	19.2	29.2	41.0	54.6	73.5	90.4	107.3	126.6
-17.5°	0.0	5.5	11.0	18.9	28.7	40.3	53.5	71.7	88.7	105.2	123.9
-20°	0.0	5.5	10.8	18.5	28.1	39.4	52.3	69.5	86.8	102.8	120.8



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 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.4	10.6	18.1	27.4	38.4	50.9	67.1	84.7	100.1	117.3
-25°	0.0	5.3	10.4	17.7	26.7	37.3	49.3	64.5	82.3	97.1	113.4
-27.5°	0.0	5.1	10.2	17.2	25.9	36.0	47.6	61.6	79.7	94.0	109.7
-30°	0.0	5.0	10.0	16.6	25.0	34.7	45.8	58.4	76.4	90.8	105.7
-32.5°	0.0	4.9	9.7	16.0	24.0	33.3	43.8	55.8	72.5	87.4	101.4
-35°	0.0	4.8	9.4	15.4	23.0	31.8	41.9	53.3	68.3	83.7	96.9
-37.5°	0.0	4.6	9.1	14.7	21.9	30.2	39.9	50.7	63.9	79.8	92.3
-40°	0.0	4.4	8.8	14.0	20.7	28.8	37.9	47.9	59.2	74.9	87.8
-42.5°	0.0	4.3	8.5	13.3	19.6	27.2	35.7	45.0	55.3	69.3	83.0
-45°	0.0	4.1	8.2	12.5	18.6	25.6	33.4	42.1	51.8	63.5	77.8
-47.5°	0.0	3.9	7.8	11.7	17.5	24.0	31.1	39.3	48.2	57.5	71.0
-50°	0.0	3.7	7.4	11.1	16.3	22.2	28.9	36.4	44.4	53.2	64.0
-52.5°	0.0	3.5	7.0	10.5	15.2	20.4	26.7	33.4	40.8	48.8	57.1
-55°	0.0	3.3	6.6	9.9	14.0	18.8	24.5	30.4	37.3	44.2	52.0
-57.5°	0.0	3.1	6.2	9.3	12.7	17.3	22.2	27.7	33.6	40.0	46.8
-60°	0.0	2.9	5.8	8.6	11.5	15.7	19.9	25.0	30.0	35.9	41.7
-62.5°	0.0	2.7	5.4	8.0	10.6	14.0	17.9	22.1	26.8	31.6	37.0
-65°	0.0	2.5	4.9	7.3	9.7	12.4	15.9	19.4	23.5	27.8	32.1
-67.5°	0.0	2.2	4.4	6.6	8.8	10.9	13.9	17.0	20.2	24.0	27.8
-70°	0.0	2.0	4.0	5.9	7.9	9.8	11.8	14.6	17.4	20.2	23.5
-72.5°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.1	14.6	17.0	19.4
-75°	0.0	1.5	3.0	4.5	6.0	7.4	8.9	10.3	11.8	13.9	15.9
-77.5°	0.0	1.3	2.5	3.8	5.0	6.2	7.4	8.6	9.8	10.9	12.4
-80°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.8	9.7
-82.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.2	5.9	6.6	7.3
-85°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
-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: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-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°	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.4	4.6
85°	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.5	8.8	9.1
82.5°	8.0	8.6	9.3	9.9	10.5	11.1	11.7	12.5	13.3	14.0	14.7
80°	10.6	11.5	12.7	14.0	15.2	16.3	17.5	18.6	19.6	20.7	21.9
77.5°	14.0	15.7	17.3	18.8	20.4	22.2	24.0	25.6	27.2	28.8	30.2
75°	17.9	19.9	22.2	24.5	26.7	28.9	31.1	33.4	35.7	37.9	39.9
72.5°	22.1	25.0	27.7	30.4	33.4	36.4	39.3	42.1	45.0	47.9	50.7
70°	26.8	30.0	33.6	37.3	40.8	44.4	48.2	51.8	55.3	59.2	63.9
67.5°	31.6	35.9	40.0	44.2	48.8	53.2	57.5	63.5	69.3	74.9	79.8
65°	37.0	41.7	46.8	52.0	57.1	64.0	71.0	77.8	83.0	87.8	92.3
62.5°	42.3	48.1	53.9	60.6	68.8	76.7	83.1	88.9	94.4	100.2	105.8
60°	48.1	54.6	62.5	71.7	80.1	86.8	93.3	100.1	106.9	113.4	120.5
57.5°	53.9	62.5	72.6	81.6	89.1	96.5	104.3	112.0	120.3	128.4	136.9
55°	60.6	71.7	81.6	89.8	98.2	106.9	115.7	125.2	134.5	146.1	157.3
52.5°	68.8	80.1	89.1	98.2	107.8	117.7	128.3	139.8	152.9	166.4	182.2
50°	76.7	86.8	96.5	106.9	117.7	129.3	142.5	156.9	173.6	191.3	220.7
47.5°	83.1	93.3	104.3	115.7	128.3	142.5	158.3	177.2	196.8	237.5	279.0
45°	88.9	100.1	112.0	125.2	139.8	156.9	177.2	198.6	246.0	299.1	375.5
42.5°	94.4	106.9	120.3	134.5	152.9	173.6	196.8	246.0	306.6	390.6	503.0
40°	100.2	113.4	128.4	146.1	166.4	191.3	237.5	299.1	390.6	516.0	660.5
37.5°	105.8	120.5	136.9	157.3	182.2	220.7	279.0	375.5	503.0	660.5	789.6
35°	111.2	127.4	146.7	169.8	197.3	257.7	345.4	464.2	634.0	778.2	894.7
32.5°	116.7	133.8	155.9	183.0	228.4	300.9	410.7	581.6	744.4	881.4	962.8
30°	122.2	141.6	165.5	195.4	259.2	358.3	504.1	688.8	844.1	942.5	1004.4
27.5°	127.4	149.1	176.2	218.0	292.5	412.2	601.5	776.5	909.1	992.3	1031.3
25°	132.1	155.9	186.1	242.7	338.7	486.9	688.3	858.3	959.6	1016.0	1167.7
22.5°	137.1	162.3	195.1	265.3	381.2	564.3	758.3	906.7	994.9	1043.7	1323.6
20°	142.3	169.8	209.4	288.6	419.8	634.6	822.1	946.2	1013.6	1176.8	1820.0
17.5°	146.8	176.4	226.2	320.2	473.4	692.7	875.3	981.7	1030.4	1296.8	2434.6
15°	150.8	182.2	240.8	347.9	524.2	738.9	904.2	997.9	1092.0	1516.8	3037.1
12.5°	154.3	187.2	253.3	371.5	567.5	778.5	928.9	1009.6	1176.3	1950.3	5233.9
10°	157.1	191.3	263.6	390.9	603.3	811.2	949.3	1019.3	1246.2	2310.6	7063.2
7.5°	159.3	194.5	271.6	406.2	631.3	836.8	965.3	1027.0	1301.1	2594.4	8506.9
5°	160.8	196.8	277.4	417.1	651.4	855.2	976.8	1032.5	1340.7	2799.0	9549.7
2.5°	161.8	198.1	280.8	423.7	663.6	866.3	983.8	1035.8	1364.6	2922.7	10180.1
0°	162.1	198.6	282.0	425.9	667.6	870.0	986.1	1036.9	1372.6	2964.0	10391.1
-2.5°	161.8	198.1	280.8	423.7	663.6	866.3	983.8	1035.8	1364.6	2922.7	10180.1
-5°	160.8	196.8	277.4	417.1	651.4	855.2	976.8	1032.5	1340.7	2799.0	9549.7
-7.5°	159.3	194.5	271.6	406.2	631.3	836.8	965.3	1027.0	1301.1	2594.4	8506.9
-10°	157.1	191.3	263.6	390.9	603.3	811.2	949.3	1019.3	1246.2	2310.6	7063.2
-12.5°	154.3	187.2	253.3	371.5	567.5	778.5	928.9	1009.6	1176.3	1950.3	5233.9
-15°	150.8	182.2	240.8	347.9	524.2	738.9	904.2	997.9	1092.0	1516.8	3037.1
-17.5°	146.8	176.4	226.2	320.2	473.4	692.7	875.3	981.7	1030.4	1296.8	2434.6
-20°	142.3	169.8	209.4	288.6	419.8	634.6	822.1	946.2	1013.6	1176.8	1820.0



REPORT NUMBER: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	137.1	162.3	195.1	265.3	381.2	564.3	758.3	906.7	994.9	1043.7	1323.6
-25°	132.1	155.9	186.1	242.7	338.7	486.9	688.3	858.3	959.6	1016.0	1167.7
-27.5°	127.4	149.1	176.2	218.0	292.5	412.2	601.5	776.5	909.1	992.3	1031.3
-30°	122.2	141.6	165.5	195.4	259.2	358.3	504.1	688.8	844.1	942.5	1004.4
-32.5°	116.7	133.8	155.9	183.0	228.4	300.9	410.7	581.6	744.4	881.4	962.8
-35°	111.2	127.4	146.7	169.8	197.3	257.7	345.4	464.2	634.0	778.2	894.7
-37.5°	105.8	120.5	136.9	157.3	182.2	220.7	279.0	375.5	503.0	660.5	789.6
-40°	100.2	113.4	128.4	146.1	166.4	191.3	237.5	299.1	390.6	516.0	660.5
-42.5°	94.4	106.9	120.3	134.5	152.9	173.6	196.8	246.0	306.6	390.6	503.0
-45°	88.9	100.1	112.0	125.2	139.8	156.9	177.2	198.6	246.0	299.1	375.5
-47.5°	83.1	93.3	104.3	115.7	128.3	142.5	158.3	177.2	196.8	237.5	279.0
-50°	76.7	86.8	96.5	106.9	117.7	129.3	142.5	156.9	173.6	191.3	220.7
-52.5°	68.8	80.1	89.1	98.2	107.8	117.7	128.3	139.8	152.9	166.4	182.2
-55°	60.6	71.7	81.6	89.8	98.2	106.9	115.7	125.2	134.5	146.1	157.3
-57.5°	53.9	62.5	72.6	81.6	89.1	96.5	104.3	112.0	120.3	128.4	136.9
-60°	48.1	54.6	62.5	71.7	80.1	86.8	93.3	100.1	106.9	113.4	120.5
-62.5°	42.3	48.1	53.9	60.6	68.8	76.7	83.1	88.9	94.4	100.2	105.8
-65°	37.0	41.7	46.8	52.0	57.1	64.0	71.0	77.8	83.0	87.8	92.3
-67.5°	31.6	35.9	40.0	44.2	48.8	53.2	57.5	63.5	69.3	74.9	79.8
-70°	26.8	30.0	33.6	37.3	40.8	44.4	48.2	51.8	55.3	59.2	63.9
-72.5°	22.1	25.0	27.7	30.4	33.4	36.4	39.3	42.1	45.0	47.9	50.7
-75°	17.9	19.9	22.2	24.5	26.7	28.9	31.1	33.4	35.7	37.9	39.9
-77.5°	14.0	15.7	17.3	18.8	20.4	22.2	24.0	25.6	27.2	28.8	30.2
-80°	10.6	11.5	12.7	14.0	15.2	16.3	17.5	18.6	19.6	20.7	21.9
-82.5°	8.0	8.6	9.3	9.9	10.5	11.1	11.7	12.5	13.3	14.0	14.7
-85°	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.5	8.8	9.1
-87.5°	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.4	4.6
-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: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-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°	4.8	4.9	5.0	5.1	5.3	5.4	5.5	5.5	5.6	5.7	5.7
85°	9.4	9.7	10.0	10.2	10.4	10.6	10.8	11.0	11.1	11.2	11.3
82.5°	15.4	16.0	16.6	17.2	17.7	18.1	18.5	18.9	19.2	19.5	19.7
80°	23.0	24.0	25.0	25.9	26.7	27.4	28.1	28.7	29.2	29.7	30.0
77.5°	31.8	33.3	34.7	36.0	37.3	38.4	39.4	40.3	41.0	41.7	42.2
75°	41.9	43.8	45.8	47.6	49.3	50.9	52.3	53.5	54.6	55.5	56.3
72.5°	53.3	55.8	58.4	61.6	64.5	67.1	69.5	71.7	73.5	75.1	76.4
70°	68.3	72.5	76.4	79.7	82.3	84.7	86.8	88.7	90.4	91.8	92.9
67.5°	83.7	87.4	90.8	94.0	97.1	100.1	102.8	105.2	107.3	109.1	110.6
65°	96.9	101.4	105.7	109.7	113.4	117.3	120.8	123.9	126.6	129.0	130.9
62.5°	111.2	116.7	122.2	127.4	132.1	137.1	142.3	146.8	150.8	154.3	157.1
60°	127.4	133.8	141.6	149.1	155.9	162.3	169.8	176.4	182.2	187.2	191.3
57.5°	146.7	155.9	165.5	176.2	186.1	195.1	209.4	226.2	240.8	253.3	263.6
55°	169.8	183.0	195.4	218.0	242.7	265.3	288.6	320.2	347.9	371.5	390.9
52.5°	197.3	228.4	259.2	292.5	338.7	381.2	419.8	473.4	524.2	567.5	603.3
50°	257.7	300.9	358.3	412.2	486.9	564.3	634.6	692.7	738.9	778.5	811.2
47.5°	345.4	410.7	504.1	601.5	688.3	758.3	822.1	875.3	904.2	928.9	949.3
45°	464.2	581.6	688.8	776.5	858.3	906.7	946.2	981.7	997.9	1009.6	1019.3
42.5°	634.0	744.4	844.1	909.1	959.6	994.9	1013.6	1030.4	1092.0	1176.3	1246.2
40°	778.2	881.4	942.5	992.3	1016.0	1043.7	1176.8	1296.8	1516.8	1950.3	2310.6
37.5°	894.7	962.8	1004.4	1031.3	1167.7	1323.6	1820.0	2434.6	3037.1	5233.9	7063.2
35°	969.6	1010.5	1062.0	1252.0	1650.5	2443.7	3949.0	7046.5	9801.5	14415.1	18877.4
32.5°	1010.5	1082.8	1294.7	1961.9	2869.3	6489.4	10160.7	17365.1	24051.5	29892.0	34809.5
30°	1062.0	1294.7	2066.7	3529.0	8044.4	14649.0	23489.5	31623.7	38949.0	44604.4	47360.5
27.5°	1252.0	1961.9	3529.0	8568.1	17075.3	27252.6	36850.1	44774.7	48851.3	52427.1	53157.4
25°	1650.5	2869.3	8044.4	17075.3	28534.2	39513.9	46900.9	51787.7	53340.3	54269.7	55041.6
22.5°	2443.7	6489.4	14649.0	27252.6	39513.9	47619.8	52644.4	53899.2	55027.5	56014.0	57110.5
20°	3949.0	10160.7	23489.5	36850.1	46900.9	52644.4	54088.8	55413.8	56718.8	58514.0	60394.4
17.5°	7046.5	17365.1	31623.7	44774.7	51787.7	53899.2	55413.8	57061.9	59241.7	62798.1	66397.7
15°	9801.5	24051.5	38949.0	48851.3	53340.3	55027.5	56718.8	59241.7	63622.5	71367.3	83700.9
12.5°	14415.1	29892.0	44604.4	52427.1	54269.7	56014.0	58514.0	62798.1	71367.3	86696.5	141438.9
10°	18877.4	34809.5	47360.5	53157.4	55041.6	57110.5	60394.4	66397.7	83700.9	141438.9	240671.6
7.5°	22406.9	38710.0	49553.9	53731.3	55656.3	58242.1	63032.4	75062.0	114412.8	208251.3	382453.2
5°	24961.0	41538.7	51149.0	54150.2	56106.8	59076.4	64992.2	81897.1	147189.5	295335.2	501589.3
2.5°	26507.1	43253.6	52118.0	54405.2	56382.0	59588.2	66201.5	86149.5	167826.6	357438.9	570643.1
0°	27024.8	43828.3	52443.0	54490.9	56474.6	59760.8	66610.6	87594.3	174886.4	380300.8	594276.0
-2.5°	26507.1	43253.6	52118.0	54405.2	56382.0	59588.2	66201.5	86149.5	167826.6	357438.9	570643.1
-5°	24961.0	41538.7	51149.0	54150.2	56106.8	59076.4	64992.2	81897.1	147189.5	295335.2	501589.3
-7.5°	22406.9	38710.0	49553.9	53731.3	55656.3	58242.1	63032.4	75062.0	114412.8	208251.3	382453.2
-10°	18877.4	34809.5	47360.5	53157.4	55041.6	57110.5	60394.4	66397.7	83700.9	141438.9	240671.6
-12.5°	14415.1	29892.0	44604.4	52427.1	54269.7	56014.0	58514.0	62798.1	71367.3	86696.5	141438.9
-15°	9801.5	24051.5	38949.0	48851.3	53340.3	55027.5	56718.8	59241.7	63622.5	71367.3	83700.9
-17.5°	7046.5	17365.1	31623.7	44774.7	51787.7	53899.2	55413.8	57061.9	59241.7	62798.1	66397.7
-20°	3949.0	10160.7	23489.5	36850.1	46900.9	52644.4	54088.8	55413.8	56718.8	58514.0	60394.4



REPORT NUMBER: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2443.7	6489.4	14649.0	27252.6	39513.9	47619.8	52644.4	53899.2	55027.5	56014.0	57110.5
-25°	1650.5	2869.3	8044.4	17075.3	28534.2	39513.9	46900.9	51787.7	53340.3	54269.7	55041.6
-27.5°	1252.0	1961.9	3529.0	8568.1	17075.3	27252.6	36850.1	44774.7	48851.3	52427.1	53157.4
-30°	1062.0	1294.7	2066.7	3529.0	8044.4	14649.0	23489.5	31623.7	38949.0	44604.4	47360.5
-32.5°	1010.5	1082.8	1294.7	1961.9	2869.3	6489.4	10160.7	17365.1	24051.5	29892.0	34809.5
-35°	969.6	1010.5	1062.0	1252.0	1650.5	2443.7	3949.0	7046.5	9801.5	14415.1	18877.4
-37.5°	894.7	962.8	1004.4	1031.3	1167.7	1323.6	1820.0	2434.6	3037.1	5233.9	7063.2
-40°	778.2	881.4	942.5	992.3	1016.0	1043.7	1176.8	1296.8	1516.8	1950.3	2310.6
-42.5°	634.0	744.4	844.1	909.1	959.6	994.9	1013.6	1030.4	1092.0	1176.3	1246.2
-45°	464.2	581.6	688.8	776.5	858.3	906.7	946.2	981.7	997.9	1009.6	1019.3
-47.5°	345.4	410.7	504.1	601.5	688.3	758.3	822.1	875.3	904.2	928.9	949.3
-50°	257.7	300.9	358.3	412.2	486.9	564.3	634.6	692.7	738.9	778.5	811.2
-52.5°	197.3	228.4	259.2	292.5	338.7	381.2	419.8	473.4	524.2	567.5	603.3
-55°	169.8	183.0	195.4	218.0	242.7	265.3	288.6	320.2	347.9	371.5	390.9
-57.5°	146.7	155.9	165.5	176.2	186.1	195.1	209.4	226.2	240.8	253.3	263.6
-60°	127.4	133.8	141.6	149.1	155.9	162.3	169.8	176.4	182.2	187.2	191.3
-62.5°	111.2	116.7	122.2	127.4	132.1	137.1	142.3	146.8	150.8	154.3	157.1
-65°	96.9	101.4	105.7	109.7	113.4	117.3	120.8	123.9	126.6	129.0	130.9
-67.5°	83.7	87.4	90.8	94.0	97.1	100.1	102.8	105.2	107.3	109.1	110.6
-70°	68.3	72.5	76.4	79.7	82.3	84.7	86.8	88.7	90.4	91.8	92.9
-72.5°	53.3	55.8	58.4	61.6	64.5	67.1	69.5	71.7	73.5	75.1	76.4
-75°	41.9	43.8	45.8	47.6	49.3	50.9	52.3	53.5	54.6	55.5	56.3
-77.5°	31.8	33.3	34.7	36.0	37.3	38.4	39.4	40.3	41.0	41.7	42.2
-80°	23.0	24.0	25.0	25.9	26.7	27.4	28.1	28.7	29.2	29.7	30.0
-82.5°	15.4	16.0	16.6	17.2	17.7	18.1	18.5	18.9	19.2	19.5	19.7
-85°	9.4	9.7	10.0	10.2	10.4	10.6	10.8	11.0	11.1	11.2	11.3
-87.5°	4.8	4.9	5.0	5.1	5.3	5.4	5.5	5.5	5.6	5.7	5.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-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°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5
85°	11.4	11.5	11.5	11.5	11.5	11.5	11.4	11.3	11.2	11.1	11.0
82.5°	19.9	20.0	20.1	20.1	20.1	20.0	19.9	19.7	19.5	19.2	18.9
80°	30.3	30.5	30.7	30.7	30.7	30.5	30.3	30.0	29.7	29.2	28.7
77.5°	42.7	43.0	43.1	43.2	43.1	43.0	42.7	42.2	41.7	41.0	40.3
75°	56.8	57.3	57.5	57.6	57.5	57.3	56.8	56.3	55.5	54.6	53.5
72.5°	77.4	78.1	78.6	78.7	78.6	78.1	77.4	76.4	75.1	73.5	71.7
70°	93.8	94.5	94.9	95.0	94.9	94.5	93.8	92.9	91.8	90.4	88.7
67.5°	111.7	112.5	113.0	113.2	113.0	112.5	111.7	110.6	109.1	107.3	105.2
65°	132.4	133.4	134.1	134.3	134.1	133.4	132.4	130.9	129.0	126.6	123.9
62.5°	159.3	160.8	161.8	162.1	161.8	160.8	159.3	157.1	154.3	150.8	146.8
60°	194.5	196.8	198.1	198.6	198.1	196.8	194.5	191.3	187.2	182.2	176.4
57.5°	271.6	277.4	280.8	282.0	280.8	277.4	271.6	263.6	253.3	240.8	226.2
55°	406.2	417.1	423.7	425.9	423.7	417.1	406.2	390.9	371.5	347.9	320.2
52.5°	631.3	651.4	663.6	667.6	663.6	651.4	631.3	603.3	567.5	524.2	473.4
50°	836.8	855.2	866.3	870.0	866.3	855.2	836.8	811.2	778.5	738.9	692.7
47.5°	965.3	976.8	983.8	986.1	983.8	976.8	965.3	949.3	928.9	904.2	875.3
45°	1027.0	1032.5	1035.8	1036.9	1035.8	1032.5	1027.0	1019.3	1009.6	997.9	981.7
42.5°	1301.1	1340.7	1364.6	1372.6	1364.6	1340.7	1301.1	1246.2	1176.3	1092.0	1030.4
40°	2594.4	2799.0	2922.7	2964.0	2922.7	2799.0	2594.4	2310.6	1950.3	1516.8	1296.8
37.5°	8506.9	9549.7	10180.1	10391.1	10180.1	9549.7	8506.9	7063.2	5233.9	3037.1	2434.6
35°	22406.9	24961.0	26507.1	27024.8	26507.1	24961.0	22406.9	18877.4	14415.1	9801.5	7046.5
32.5°	38710.0	41538.7	43253.6	43828.3	43253.6	41538.7	38710.0	34809.5	29892.0	24051.5	17365.1
30°	49553.9	51149.0	52118.0	52443.0	52118.0	51149.0	49553.9	47360.5	44604.4	38949.0	31623.7
27.5°	53731.3	54150.2	54405.2	54490.9	54405.2	54150.2	53731.3	53157.4	52427.1	48851.3	44774.7
25°	55656.3	56106.8	56382.0	56474.6	56382.0	56106.8	55656.3	55041.6	54269.7	53340.3	51787.7
22.5°	58242.1	59076.4	59588.2	59760.8	59588.2	59076.4	58242.1	57110.5	56014.0	55027.5	53899.2
20°	63032.4	64992.2	66201.5	66610.6	66201.5	64992.2	63032.4	60394.4	58514.0	56718.8	55413.8
17.5°	75062.0	81897.1	86149.5	87594.3	86149.5	81897.1	75062.0	66397.7	62798.1	59241.7	57061.9
15°	114412.8	147189.5	167826.6	174886.4	167826.6	147189.5	114412.8	83700.9	71367.3	63622.5	59241.7
12.5°	208251.3	295335.2	357438.9	380300.8	357438.9	295335.2	208251.3	141438.9	86696.5	71367.3	62798.1
10°	382453.2	501589.3	570643.1	594276.0	570643.1	501589.3	382453.2	240671.6	141438.9	83700.9	66397.7
7.5°	548402.2	650081.4	684661.5	691645.7	684661.5	650081.4	548402.2	382453.2	208251.3	114412.8	75062.0
5°	650081.4	699149.1	704886.8	704506.8	704886.8	699149.1	650081.4	501589.3	295335.2	147189.5	81897.1
2.5°	684661.5	704886.8	699329.3	696107.0	699329.3	704886.8	684661.5	570643.1	357438.9	167826.6	86149.5
0°	691645.7	704506.8	696107.0	693781.8	696107.0	704506.8	691645.7	594276.0	380300.8	174886.4	87594.3
-2.5°	684661.5	704886.8	699329.3	696107.0	699329.3	704886.8	684661.5	570643.1	357438.9	167826.6	86149.5
-5°	650081.4	699149.1	704886.8	704506.8	704886.8	699149.1	650081.4	501589.3	295335.2	147189.5	81897.1
-7.5°	548402.2	650081.4	684661.5	691645.7	684661.5	650081.4	548402.2	382453.2	208251.3	114412.8	75062.0
-10°	382453.2	501589.3	570643.1	594276.0	570643.1	501589.3	382453.2	240671.6	141438.9	83700.9	66397.7
-12.5°	208251.3	295335.2	357438.9	380300.8	357438.9	295335.2	208251.3	141438.9	86696.5	71367.3	62798.1
-15°	114412.8	147189.5	167826.6	174886.4	167826.6	147189.5	114412.8	83700.9	71367.3	63622.5	59241.7
-17.5°	75062.0	81897.1	86149.5	87594.3	86149.5	81897.1	75062.0	66397.7	62798.1	59241.7	57061.9
-20°	63032.4	64992.2	66201.5	66610.6	66201.5	64992.2	63032.4	60394.4	58514.0	56718.8	55413.8



REPORT NUMBER: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	58242.1	59076.4	59588.2	59760.8	59588.2	59076.4	58242.1	57110.5	56014.0	55027.5	53899.2
-25°	55656.3	56106.8	56382.0	56474.6	56382.0	56106.8	55656.3	55041.6	54269.7	53340.3	51787.7
-27.5°	53731.3	54150.2	54405.2	54490.9	54405.2	54150.2	53731.3	53157.4	52427.1	48851.3	44774.7
-30°	49553.9	51149.0	52118.0	52443.0	52118.0	51149.0	49553.9	47360.5	44604.4	38949.0	31623.7
-32.5°	38710.0	41538.7	43253.6	43828.3	43253.6	41538.7	38710.0	34809.5	29892.0	24051.5	17365.1
-35°	22406.9	24961.0	26507.1	27024.8	26507.1	24961.0	22406.9	18877.4	14415.1	9801.5	7046.5
-37.5°	8506.9	9549.7	10180.1	10391.1	10180.1	9549.7	8506.9	7063.2	5233.9	3037.1	2434.6
-40°	2594.4	2799.0	2922.7	2964.0	2922.7	2799.0	2594.4	2310.6	1950.3	1516.8	1296.8
-42.5°	1301.1	1340.7	1364.6	1372.6	1364.6	1340.7	1301.1	1246.2	1176.3	1092.0	1030.4
-45°	1027.0	1032.5	1035.8	1036.9	1035.8	1032.5	1027.0	1019.3	1009.6	997.9	981.7
-47.5°	965.3	976.8	983.8	986.1	983.8	976.8	965.3	949.3	928.9	904.2	875.3
-50°	836.8	855.2	866.3	870.0	866.3	855.2	836.8	811.2	778.5	738.9	692.7
-52.5°	631.3	651.4	663.6	667.6	663.6	651.4	631.3	603.3	567.5	524.2	473.4
-55°	406.2	417.1	423.7	425.9	423.7	417.1	406.2	390.9	371.5	347.9	320.2
-57.5°	271.6	277.4	280.8	282.0	280.8	277.4	271.6	263.6	253.3	240.8	226.2
-60°	194.5	196.8	198.1	198.6	198.1	196.8	194.5	191.3	187.2	182.2	176.4
-62.5°	159.3	160.8	161.8	162.1	161.8	160.8	159.3	157.1	154.3	150.8	146.8
-65°	132.4	133.4	134.1	134.3	134.1	133.4	132.4	130.9	129.0	126.6	123.9
-67.5°	111.7	112.5	113.0	113.2	113.0	112.5	111.7	110.6	109.1	107.3	105.2
-70°	93.8	94.5	94.9	95.0	94.9	94.5	93.8	92.9	91.8	90.4	88.7
-72.5°	77.4	78.1	78.6	78.7	78.6	78.1	77.4	76.4	75.1	73.5	71.7
-75°	56.8	57.3	57.5	57.6	57.5	57.3	56.8	56.3	55.5	54.6	53.5
-77.5°	42.7	43.0	43.1	43.2	43.1	43.0	42.7	42.2	41.7	41.0	40.3
-80°	30.3	30.5	30.7	30.7	30.7	30.5	30.3	30.0	29.7	29.2	28.7
-82.5°	19.9	20.0	20.1	20.1	20.1	20.0	19.9	19.7	19.5	19.2	18.9
-85°	11.4	11.5	11.5	11.5	11.5	11.5	11.4	11.3	11.2	11.1	11.0
-87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5
-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: P700009 (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°	5.5	5.4	5.3	5.1	5.0	4.9	4.8	4.6	4.4	4.3	4.1
85°	10.8	10.6	10.4	10.2	10.0	9.7	9.4	9.1	8.8	8.5	8.2
82.5°	18.5	18.1	17.7	17.2	16.6	16.0	15.4	14.7	14.0	13.3	12.5
80°	28.1	27.4	26.7	25.9	25.0	24.0	23.0	21.9	20.7	19.6	18.6
77.5°	39.4	38.4	37.3	36.0	34.7	33.3	31.8	30.2	28.8	27.2	25.6
75°	52.3	50.9	49.3	47.6	45.8	43.8	41.9	39.9	37.9	35.7	33.4
72.5°	69.5	67.1	64.5	61.6	58.4	55.8	53.3	50.7	47.9	45.0	42.1
70°	86.8	84.7	82.3	79.7	76.4	72.5	68.3	63.9	59.2	55.3	51.8
67.5°	102.8	100.1	97.1	94.0	90.8	87.4	83.7	79.8	74.9	69.3	63.5
65°	120.8	117.3	113.4	109.7	105.7	101.4	96.9	92.3	87.8	83.0	77.8
62.5°	142.3	137.1	132.1	127.4	122.2	116.7	111.2	105.8	100.2	94.4	88.9
60°	169.8	162.3	155.9	149.1	141.6	133.8	127.4	120.5	113.4	106.9	100.1
57.5°	209.4	195.1	186.1	176.2	165.5	155.9	146.7	136.9	128.4	120.3	112.0
55°	288.6	265.3	242.7	218.0	195.4	183.0	169.8	157.3	146.1	134.5	125.2
52.5°	419.8	381.2	338.7	292.5	259.2	228.4	197.3	182.2	166.4	152.9	139.8
50°	634.6	564.3	486.9	412.2	358.3	300.9	257.7	220.7	191.3	173.6	156.9
47.5°	822.1	758.3	688.3	601.5	504.1	410.7	345.4	279.0	237.5	196.8	177.2
45°	946.2	906.7	858.3	776.5	688.8	581.6	464.2	375.5	299.1	246.0	198.6
42.5°	1013.6	994.9	959.6	909.1	844.1	744.4	634.0	503.0	390.6	306.6	246.0
40°	1176.8	1043.7	1016.0	992.3	942.5	881.4	778.2	660.5	516.0	390.6	299.1
37.5°	1820.0	1323.6	1167.7	1031.3	1004.4	962.8	894.7	789.6	660.5	503.0	375.5
35°	3949.0	2443.7	1650.5	1252.0	1062.0	1010.5	969.6	894.7	778.2	634.0	464.2
32.5°	10160.7	6489.4	2869.3	1961.9	1294.7	1082.8	1010.5	962.8	881.4	744.4	581.6
30°	23489.5	14649.0	8044.4	3529.0	2066.7	1294.7	1062.0	1004.4	942.5	844.1	688.8
27.5°	36850.1	27252.6	17075.3	8568.1	3529.0	1961.9	1252.0	1031.3	992.3	909.1	776.5
25°	46900.9	39513.9	28534.2	17075.3	8044.4	2869.3	1650.5	1167.7	1016.0	959.6	858.3
22.5°	52644.4	47619.8	39513.9	27252.6	14649.0	6489.4	2443.7	1323.6	1043.7	994.9	906.7
20°	54088.8	52644.4	46900.9	36850.1	23489.5	10160.7	3949.0	1820.0	1176.8	1013.6	946.2
17.5°	55413.8	53899.2	51787.7	44774.7	31623.7	17365.1	7046.5	2434.6	1296.8	1030.4	981.7
15°	56718.8	55027.5	53340.3	48851.3	38949.0	24051.5	9801.5	3037.1	1516.8	1092.0	997.9
12.5°	58514.0	56014.0	54269.7	52427.1	44604.4	29892.0	14415.1	5233.9	1950.3	1176.3	1009.6
10°	60394.4	57110.5	55041.6	53157.4	47360.5	34809.5	18877.4	7063.2	2310.6	1246.2	1019.3
7.5°	63032.4	58242.1	55656.3	53731.3	49553.9	38710.0	22406.9	8506.9	2594.4	1301.1	1027.0
5°	64992.2	59076.4	56106.8	54150.2	51149.0	41538.7	24961.0	9549.7	2799.0	1340.7	1032.5
2.5°	66201.5	59588.2	56382.0	54405.2	52118.0	43253.6	26507.1	10180.1	2922.7	1364.6	1035.8
0°	66610.6	59760.8	56474.6	54490.9	52443.0	43828.3	27024.8	10391.1	2964.0	1372.6	1036.9
-2.5°	66201.5	59588.2	56382.0	54405.2	52118.0	43253.6	26507.1	10180.1	2922.7	1364.6	1035.8
-5°	64992.2	59076.4	56106.8	54150.2	51149.0	41538.7	24961.0	9549.7	2799.0	1340.7	1032.5
-7.5°	63032.4	58242.1	55656.3	53731.3	49553.9	38710.0	22406.9	8506.9	2594.4	1301.1	1027.0
-10°	60394.4	57110.5	55041.6	53157.4	47360.5	34809.5	18877.4	7063.2	2310.6	1246.2	1019.3
-12.5°	58514.0	56014.0	54269.7	52427.1	44604.4	29892.0	14415.1	5233.9	1950.3	1176.3	1009.6
-15°	56718.8	55027.5	53340.3	48851.3	38949.0	24051.5	9801.5	3037.1	1516.8	1092.0	997.9
-17.5°	55413.8	53899.2	51787.7	44774.7	31623.7	17365.1	7046.5	2434.6	1296.8	1030.4	981.7
-20°	54088.8	52644.4	46900.9	36850.1	23489.5	10160.7	3949.0	1820.0	1176.8	1013.6	946.2



REPORT NUMBER: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	52644.4	47619.8	39513.9	27252.6	14649.0	6489.4	2443.7	1323.6	1043.7	994.9	906.7
-25°	46900.9	39513.9	28534.2	17075.3	8044.4	2869.3	1650.5	1167.7	1016.0	959.6	858.3
-27.5°	36850.1	27252.6	17075.3	8568.1	3529.0	1961.9	1252.0	1031.3	992.3	909.1	776.5
-30°	23489.5	14649.0	8044.4	3529.0	2066.7	1294.7	1062.0	1004.4	942.5	844.1	688.8
-32.5°	10160.7	6489.4	2869.3	1961.9	1294.7	1082.8	1010.5	962.8	881.4	744.4	581.6
-35°	3949.0	2443.7	1650.5	1252.0	1062.0	1010.5	969.6	894.7	778.2	634.0	464.2
-37.5°	1820.0	1323.6	1167.7	1031.3	1004.4	962.8	894.7	789.6	660.5	503.0	375.5
-40°	1176.8	1043.7	1016.0	992.3	942.5	881.4	778.2	660.5	516.0	390.6	299.1
-42.5°	1013.6	994.9	959.6	909.1	844.1	744.4	634.0	503.0	390.6	306.6	246.0
-45°	946.2	906.7	858.3	776.5	688.8	581.6	464.2	375.5	299.1	246.0	198.6
-47.5°	822.1	758.3	688.3	601.5	504.1	410.7	345.4	279.0	237.5	196.8	177.2
-50°	634.6	564.3	486.9	412.2	358.3	300.9	257.7	220.7	191.3	173.6	156.9
-52.5°	419.8	381.2	338.7	292.5	259.2	228.4	197.3	182.2	166.4	152.9	139.8
-55°	288.6	265.3	242.7	218.0	195.4	183.0	169.8	157.3	146.1	134.5	125.2
-57.5°	209.4	195.1	186.1	176.2	165.5	155.9	146.7	136.9	128.4	120.3	112.0
-60°	169.8	162.3	155.9	149.1	141.6	133.8	127.4	120.5	113.4	106.9	100.1
-62.5°	142.3	137.1	132.1	127.4	122.2	116.7	111.2	105.8	100.2	94.4	88.9
-65°	120.8	117.3	113.4	109.7	105.7	101.4	96.9	92.3	87.8	83.0	77.8
-67.5°	102.8	100.1	97.1	94.0	90.8	87.4	83.7	79.8	74.9	69.3	63.5
-70°	86.8	84.7	82.3	79.7	76.4	72.5	68.3	63.9	59.2	55.3	51.8
-72.5°	69.5	67.1	64.5	61.6	58.4	55.8	53.3	50.7	47.9	45.0	42.1
-75°	52.3	50.9	49.3	47.6	45.8	43.8	41.9	39.9	37.9	35.7	33.4
-77.5°	39.4	38.4	37.3	36.0	34.7	33.3	31.8	30.2	28.8	27.2	25.6
-80°	28.1	27.4	26.7	25.9	25.0	24.0	23.0	21.9	20.7	19.6	18.6
-82.5°	18.5	18.1	17.7	17.2	16.6	16.0	15.4	14.7	14.0	13.3	12.5
-85°	10.8	10.6	10.4	10.2	10.0	9.7	9.4	9.1	8.8	8.5	8.2
-87.5°	5.5	5.4	5.3	5.1	5.0	4.9	4.8	4.6	4.4	4.3	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: P700009 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5R-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°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.7
85°	7.8	7.4	7.0	6.6	6.2	5.8	5.4	4.9	4.4	4.0	3.5
82.5°	11.7	11.1	10.5	9.9	9.3	8.6	8.0	7.3	6.6	5.9	5.2
80°	17.5	16.3	15.2	14.0	12.7	11.5	10.6	9.7	8.8	7.9	6.9
77.5°	24.0	22.2	20.4	18.8	17.3	15.7	14.0	12.4	10.9	9.8	8.6
75°	31.1	28.9	26.7	24.5	22.2	19.9	17.9	15.9	13.9	11.8	10.3
72.5°	39.3	36.4	33.4	30.4	27.7	25.0	22.1	19.4	17.0	14.6	12.1
70°	48.2	44.4	40.8	37.3	33.6	30.0	26.8	23.5	20.2	17.4	14.6
67.5°	57.5	53.2	48.8	44.2	40.0	35.9	31.6	27.8	24.0	20.2	17.0
65°	71.0	64.0	57.1	52.0	46.8	41.7	37.0	32.1	27.8	23.5	19.4
62.5°	83.1	76.7	68.8	60.6	53.9	48.1	42.3	37.0	31.6	26.8	22.1
60°	93.3	86.8	80.1	71.7	62.5	54.6	48.1	41.7	35.9	30.0	25.0
57.5°	104.3	96.5	89.1	81.6	72.6	62.5	53.9	46.8	40.0	33.6	27.7
55°	115.7	106.9	98.2	89.8	81.6	71.7	60.6	52.0	44.2	37.3	30.4
52.5°	128.3	117.7	107.8	98.2	89.1	80.1	68.8	57.1	48.8	40.8	33.4
50°	142.5	129.3	117.7	106.9	96.5	86.8	76.7	64.0	53.2	44.4	36.4
47.5°	158.3	142.5	128.3	115.7	104.3	93.3	83.1	71.0	57.5	48.2	39.3
45°	177.2	156.9	139.8	125.2	112.0	100.1	88.9	77.8	63.5	51.8	42.1
42.5°	196.8	173.6	152.9	134.5	120.3	106.9	94.4	83.0	69.3	55.3	45.0
40°	237.5	191.3	166.4	146.1	128.4	113.4	100.2	87.8	74.9	59.2	47.9
37.5°	279.0	220.7	182.2	157.3	136.9	120.5	105.8	92.3	79.8	63.9	50.7
35°	345.4	257.7	197.3	169.8	146.7	127.4	111.2	96.9	83.7	68.3	53.3
32.5°	410.7	300.9	228.4	183.0	155.9	133.8	116.7	101.4	87.4	72.5	55.8
30°	504.1	358.3	259.2	195.4	165.5	141.6	122.2	105.7	90.8	76.4	58.4
27.5°	601.5	412.2	292.5	218.0	176.2	149.1	127.4	109.7	94.0	79.7	61.6
25°	688.3	486.9	338.7	242.7	186.1	155.9	132.1	113.4	97.1	82.3	64.5
22.5°	758.3	564.3	381.2	265.3	195.1	162.3	137.1	117.3	100.1	84.7	67.1
20°	822.1	634.6	419.8	288.6	209.4	169.8	142.3	120.8	102.8	86.8	69.5
17.5°	875.3	692.7	473.4	320.2	226.2	176.4	146.8	123.9	105.2	88.7	71.7
15°	904.2	738.9	524.2	347.9	240.8	182.2	150.8	126.6	107.3	90.4	73.5
12.5°	928.9	778.5	567.5	371.5	253.3	187.2	154.3	129.0	109.1	91.8	75.1
10°	949.3	811.2	603.3	390.9	263.6	191.3	157.1	130.9	110.6	92.9	76.4
7.5°	965.3	836.8	631.3	406.2	271.6	194.5	159.3	132.4	111.7	93.8	77.4
5°	976.8	855.2	651.4	417.1	277.4	196.8	160.8	133.4	112.5	94.5	78.1
2.5°	983.8	866.3	663.6	423.7	280.8	198.1	161.8	134.1	113.0	94.9	78.6
0°	986.1	870.0	667.6	425.9	282.0	198.6	162.1	134.3	113.2	95.0	78.7
-2.5°	983.8	866.3	663.6	423.7	280.8	198.1	161.8	134.1	113.0	94.9	78.6
-5°	976.8	855.2	651.4	417.1	277.4	196.8	160.8	133.4	112.5	94.5	78.1
-7.5°	965.3	836.8	631.3	406.2	271.6	194.5	159.3	132.4	111.7	93.8	77.4
-10°	949.3	811.2	603.3	390.9	263.6	191.3	157.1	130.9	110.6	92.9	76.4
-12.5°	928.9	778.5	567.5	371.5	253.3	187.2	154.3	129.0	109.1	91.8	75.1
-15°	904.2	738.9	524.2	347.9	240.8	182.2	150.8	126.6	107.3	90.4	73.5
-17.5°	875.3	692.7	473.4	320.2	226.2	176.4	146.8	123.9	105.2	88.7	71.7
-20°	822.1	634.6	419.8	288.6	209.4	169.8	142.3	120.8	102.8	86.8	69.5



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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°	758.3	564.3	381.2	265.3	195.1	162.3	137.1	117.3	100.1	84.7	67.1
-25°	688.3	486.9	338.7	242.7	186.1	155.9	132.1	113.4	97.1	82.3	64.5
-27.5°	601.5	412.2	292.5	218.0	176.2	149.1	127.4	109.7	94.0	79.7	61.6
-30°	504.1	358.3	259.2	195.4	165.5	141.6	122.2	105.7	90.8	76.4	58.4
-32.5°	410.7	300.9	228.4	183.0	155.9	133.8	116.7	101.4	87.4	72.5	55.8
-35°	345.4	257.7	197.3	169.8	146.7	127.4	111.2	96.9	83.7	68.3	53.3
-37.5°	279.0	220.7	182.2	157.3	136.9	120.5	105.8	92.3	79.8	63.9	50.7
-40°	237.5	191.3	166.4	146.1	128.4	113.4	100.2	87.8	74.9	59.2	47.9
-42.5°	196.8	173.6	152.9	134.5	120.3	106.9	94.4	83.0	69.3	55.3	45.0
-45°	177.2	156.9	139.8	125.2	112.0	100.1	88.9	77.8	63.5	51.8	42.1
-47.5°	158.3	142.5	128.3	115.7	104.3	93.3	83.1	71.0	57.5	48.2	39.3
-50°	142.5	129.3	117.7	106.9	96.5	86.8	76.7	64.0	53.2	44.4	36.4
-52.5°	128.3	117.7	107.8	98.2	89.1	80.1	68.8	57.1	48.8	40.8	33.4
-55°	115.7	106.9	98.2	89.8	81.6	71.7	60.6	52.0	44.2	37.3	30.4
-57.5°	104.3	96.5	89.1	81.6	72.6	62.5	53.9	46.8	40.0	33.6	27.7
-60°	93.3	86.8	80.1	71.7	62.5	54.6	48.1	41.7	35.9	30.0	25.0
-62.5°	83.1	76.7	68.8	60.6	53.9	48.1	42.3	37.0	31.6	26.8	22.1
-65°	71.0	64.0	57.1	52.0	46.8	41.7	37.0	32.1	27.8	23.5	19.4
-67.5°	57.5	53.2	48.8	44.2	40.0	35.9	31.6	27.8	24.0	20.2	17.0
-70°	48.2	44.4	40.8	37.3	33.6	30.0	26.8	23.5	20.2	17.4	14.6
-72.5°	39.3	36.4	33.4	30.4	27.7	25.0	22.1	19.4	17.0	14.6	12.1
-75°	31.1	28.9	26.7	24.5	22.2	19.9	17.9	15.9	13.9	11.8	10.3
-77.5°	24.0	22.2	20.4	18.8	17.3	15.7	14.0	12.4	10.9	9.8	8.6
-80°	17.5	16.3	15.2	14.0	12.7	11.5	10.6	9.7	8.8	7.9	6.9
-82.5°	11.7	11.1	10.5	9.9	9.3	8.6	8.0	7.3	6.6	5.9	5.2
-85°	7.8	7.4	7.0	6.6	6.2	5.8	5.4	4.9	4.4	4.0	3.5
-87.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
82.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
80°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
77.5°	7.4	6.2	5.0	3.8	2.5	1.3	0.0
75°	8.9	7.4	6.0	4.5	3.0	1.5	0.0
72.5°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
70°	11.8	9.8	7.9	5.9	4.0	2.0	0.0
67.5°	13.9	10.9	8.8	6.6	4.4	2.2	0.0
65°	15.9	12.4	9.7	7.3	4.9	2.5	0.0
62.5°	17.9	14.0	10.6	8.0	5.4	2.7	0.0
60°	19.9	15.7	11.5	8.6	5.8	2.9	0.0
57.5°	22.2	17.3	12.7	9.3	6.2	3.1	0.0
55°	24.5	18.8	14.0	9.9	6.6	3.3	0.0
52.5°	26.7	20.4	15.2	10.5	7.0	3.5	0.0
50°	28.9	22.2	16.3	11.1	7.4	3.7	0.0
47.5°	31.1	24.0	17.5	11.7	7.8	3.9	0.0
45°	33.4	25.6	18.6	12.5	8.2	4.1	0.0
42.5°	35.7	27.2	19.6	13.3	8.5	4.3	0.0
40°	37.9	28.8	20.7	14.0	8.8	4.4	0.0
37.5°	39.9	30.2	21.9	14.7	9.1	4.6	0.0
35°	41.9	31.8	23.0	15.4	9.4	4.8	0.0
32.5°	43.8	33.3	24.0	16.0	9.7	4.9	0.0
30°	45.8	34.7	25.0	16.6	10.0	5.0	0.0
27.5°	47.6	36.0	25.9	17.2	10.2	5.1	0.0
25°	49.3	37.3	26.7	17.7	10.4	5.3	0.0
22.5°	50.9	38.4	27.4	18.1	10.6	5.4	0.0
20°	52.3	39.4	28.1	18.5	10.8	5.5	0.0
17.5°	53.5	40.3	28.7	18.9	11.0	5.5	0.0
15°	54.6	41.0	29.2	19.2	11.1	5.6	0.0
12.5°	55.5	41.7	29.7	19.5	11.2	5.7	0.0
10°	56.3	42.2	30.0	19.7	11.3	5.7	0.0
7.5°	56.8	42.7	30.3	19.9	11.4	5.8	0.0
5°	57.3	43.0	30.5	20.0	11.5	5.8	0.0
2.5°	57.5	43.1	30.7	20.1	11.5	5.8	0.0
0°	57.6	43.2	30.7	20.1	11.5	5.8	0.0
-2.5°	57.5	43.1	30.7	20.1	11.5	5.8	0.0
-5°	57.3	43.0	30.5	20.0	11.5	5.8	0.0
-7.5°	56.8	42.7	30.3	19.9	11.4	5.8	0.0
-10°	56.3	42.2	30.0	19.7	11.3	5.7	0.0
-12.5°	55.5	41.7	29.7	19.5	11.2	5.7	0.0
-15°	54.6	41.0	29.2	19.2	11.1	5.6	0.0
-17.5°	53.5	40.3	28.7	18.9	11.0	5.5	0.0
-20°	52.3	39.4	28.1	18.5	10.8	5.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.9	38.4	27.4	18.1	10.6	5.4	0.0
-25°	49.3	37.3	26.7	17.7	10.4	5.3	0.0
-27.5°	47.6	36.0	25.9	17.2	10.2	5.1	0.0
-30°	45.8	34.7	25.0	16.6	10.0	5.0	0.0
-32.5°	43.8	33.3	24.0	16.0	9.7	4.9	0.0
-35°	41.9	31.8	23.0	15.4	9.4	4.8	0.0
-37.5°	39.9	30.2	21.9	14.7	9.1	4.6	0.0
-40°	37.9	28.8	20.7	14.0	8.8	4.4	0.0
-42.5°	35.7	27.2	19.6	13.3	8.5	4.3	0.0
-45°	33.4	25.6	18.6	12.5	8.2	4.1	0.0
-47.5°	31.1	24.0	17.5	11.7	7.8	3.9	0.0
-50°	28.9	22.2	16.3	11.1	7.4	3.7	0.0
-52.5°	26.7	20.4	15.2	10.5	7.0	3.5	0.0
-55°	24.5	18.8	14.0	9.9	6.6	3.3	0.0
-57.5°	22.2	17.3	12.7	9.3	6.2	3.1	0.0
-60°	19.9	15.7	11.5	8.6	5.8	2.9	0.0
-62.5°	17.9	14.0	10.6	8.0	5.4	2.7	0.0
-65°	15.9	12.4	9.7	7.3	4.9	2.5	0.0
-67.5°	13.9	10.9	8.8	6.6	4.4	2.2	0.0
-70°	11.8	9.8	7.9	5.9	4.0	2.0	0.0
-72.5°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
-75°	8.9	7.4	6.0	4.5	3.0	1.5	0.0
-77.5°	7.4	6.2	5.0	3.8	2.5	1.3	0.0
-80°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-82.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
-85°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)