

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: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-2R-S**

Issue Date: 8/10/2023

Test Information

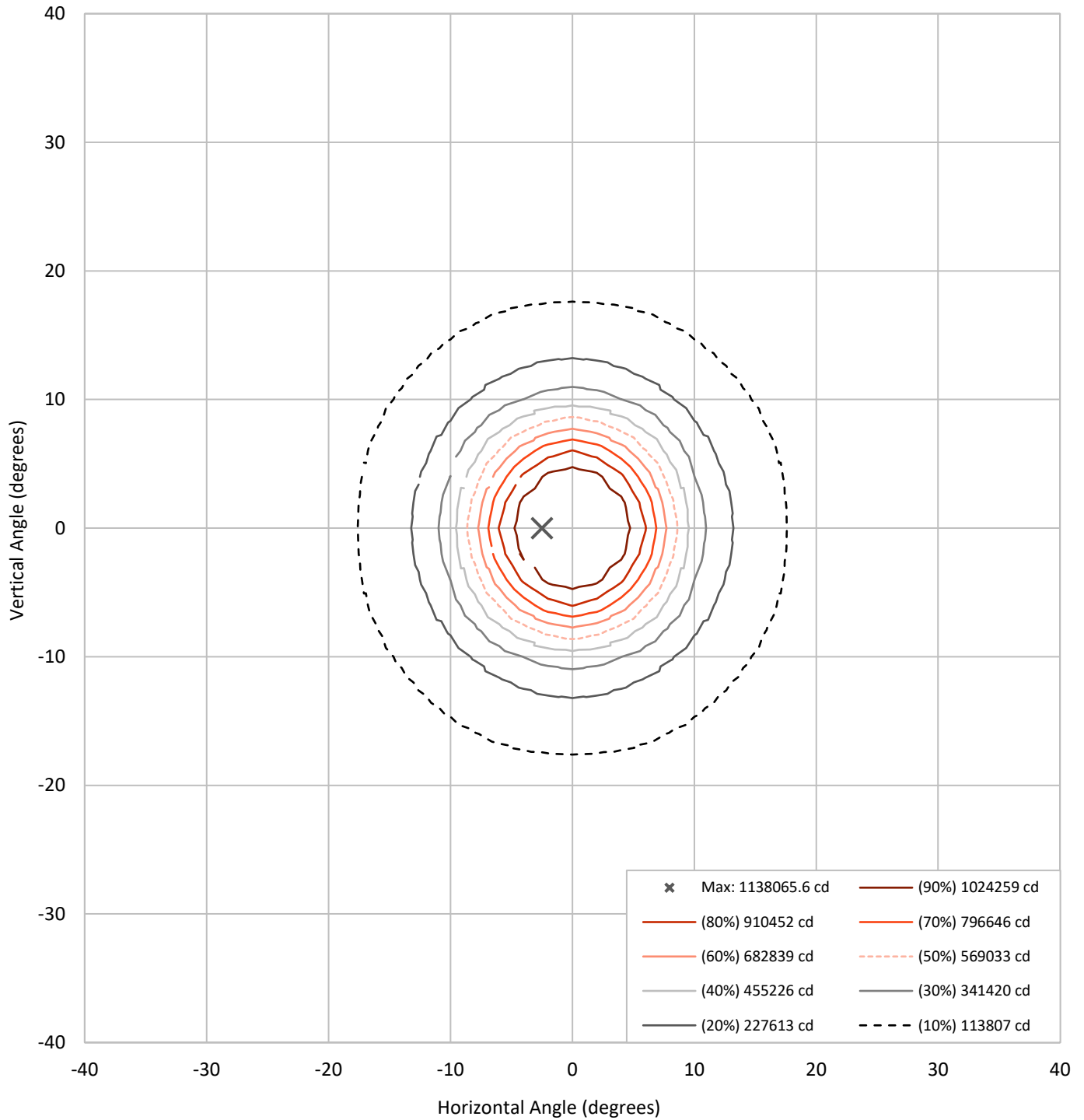
Test Method: LM-79-08
Report Number: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-15)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-2R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 2R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	180319.1 lumens	Max Intensity:	1138065.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	144.9 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	17.3°H x 16.4°V	Field Angle (10%):	34.8°H x 34.6°V
Beam Lumens:	56275.2 lumens	Field Lumens:	115087.3 lumens
Beam Efficiency:	31.2%	Field Efficiency:	63.8%
Input Watts (W):	1244.6		
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





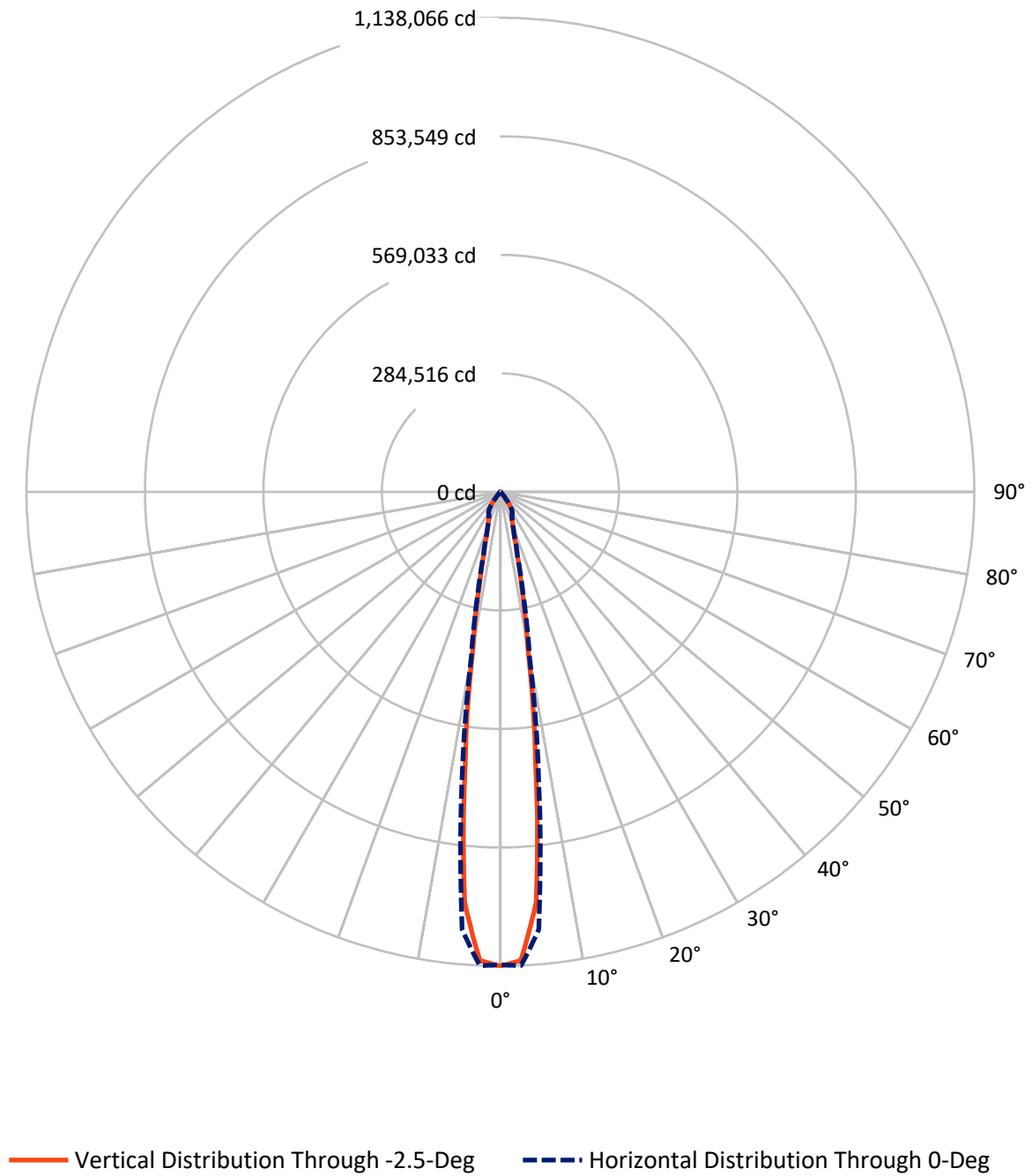
REPORT NUMBER: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.3	1.3		2.9		4.3		4.9		4.3		2.9		1.3		0.3
80	0.3	1.3		2.9		4.3		4.9		4.3		2.9		1.3		0.3
70	0.6	0.5	1.0	1.5	2.3	3.7	5.5	6.5	6.5	5.5	3.7	2.3	1.5	1.0	0.5	0.6
60		0.7	1.4	3.6	8.1	11.6	14.1	15.6	15.6	14.1	11.6	8.1	3.6	1.4	0.7	
50	0.8	0.9	3.0	8.4	13.2	21.7	47.9	84.3	84.3	47.9	21.7	13.2	8.4	3.0	0.9	0.8
40		1.2	5.7	11.4	30.2	217.8	693.9	1047.0	1047.0	693.9	217.8	30.2	11.4	5.7	1.2	
30	1.0	1.8	7.4	17.1	199.2	1023.8	1689.1	2012.9	2012.9	1689.1	1023.8	199.2	17.1	7.4	1.8	1.0
20		2.5	8.4	36.0	597.3	1587.1	2558.8	4870.1	4870.1	2558.8	1587.1	597.3	36.0	8.4	2.5	
10	1.1	2.9	9.1	62.1	872.2	1835.8	4742.0	20667.4	20667.4	4742.0	1835.8	872.2	62.1	9.1	2.9	1.1
0		2.9	9.1	62.1	872.2	1835.8	4742.0	20667.4	20667.4	4742.0	1835.8	872.2	62.1	9.1	2.9	
-10	1.0	2.5	8.4	36.0	597.3	1587.1	2558.8	4870.1	4870.1	2558.8	1587.1	597.3	36.0	8.4	2.5	1.0
-20		1.8	7.4	17.1	199.2	1023.8	1689.1	2012.9	2012.9	1689.1	1023.8	199.2	17.1	7.4	1.8	
-30	0.8	1.2	5.7	11.4	30.2	217.8	693.9	1047.0	1047.0	693.9	217.8	30.2	11.4	5.7	1.2	0.8
-40		0.9	3.0	8.4	13.2	21.7	47.9	84.3	84.3	47.9	21.7	13.2	8.4	3.0	0.9	
-50	0.6	0.7	1.4	3.6	8.1	11.6	14.1	15.6	15.6	14.1	11.6	8.1	3.6	1.4	0.7	0.6
-60		0.5	1.0	1.5	2.3	3.7	5.5	6.5	6.5	5.5	3.7	2.3	1.5	1.0	0.5	
-70	0.3	1.3		2.9		4.3		4.9		4.3		2.9		1.3		0.3
-80		1.3		2.9		4.3		4.9		4.3		2.9		1.3		
-90	0.3	1.3		2.9		4.3		4.9		4.3		2.9		1.3		0.3

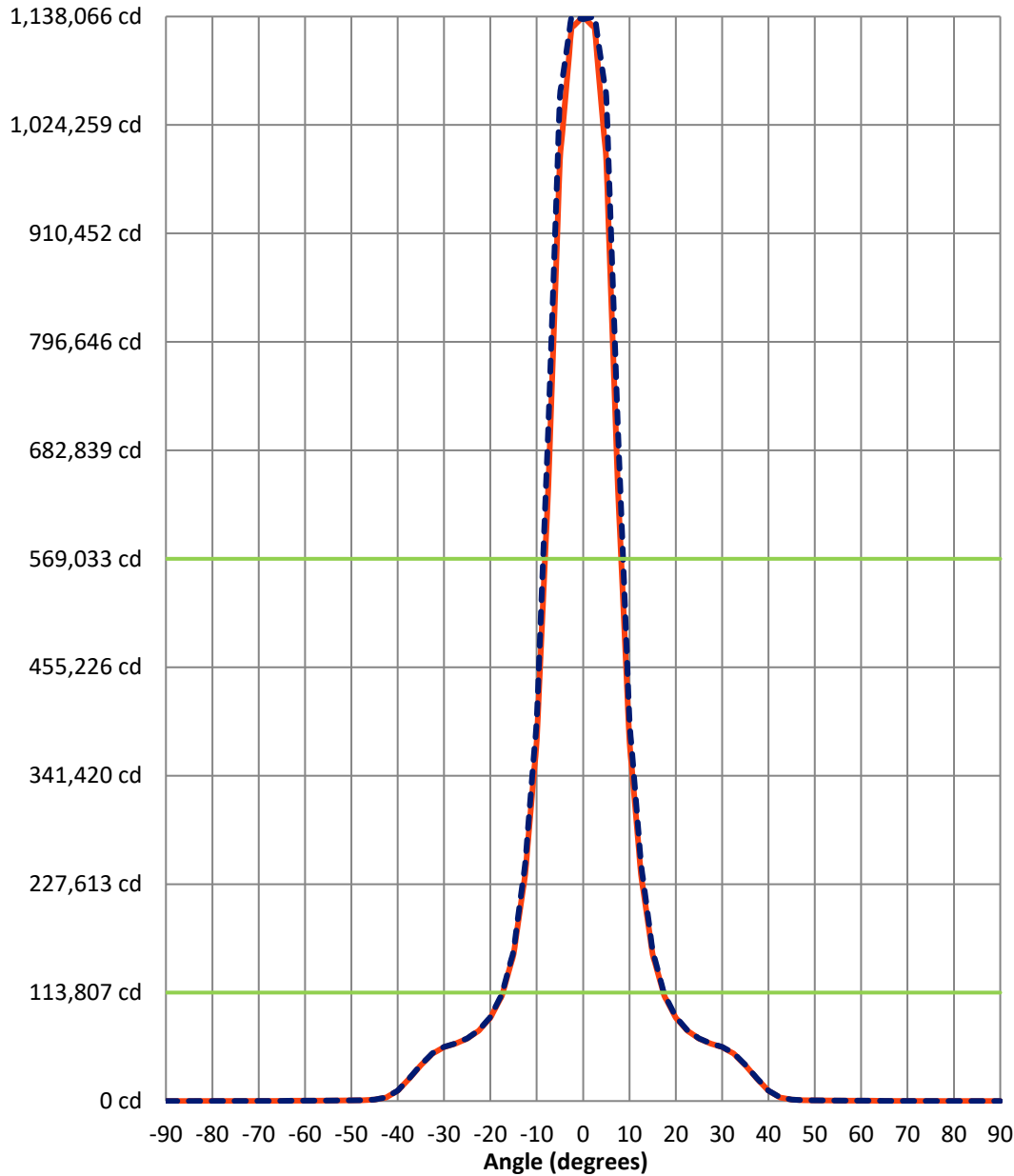
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 17.3°
V Angle: 16.4°
Lumens: 56275.2
Efficiency: 31.2%

Field:
H Angle: 34.8°
V Angle: 34.6°
Lumens: 115087.3
Efficiency: 63.8%

Spill:
Lumens: 65231.9
Efficiency: 36.2%

— Vertical Distribution through -2.5-Deg
- - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
85°	0.0	1.7	3.4	5.0	6.7	8.3	10.0	11.6	13.2	14.8	16.3
82.5°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.4	19.3	19.3	19.3
80°	0.0	3.4	6.7	10.0	13.3	16.6	19.3	19.3	19.3	19.3	19.3
77.5°	0.0	4.2	8.3	12.5	16.6	19.3	19.3	19.3	19.3	19.3	20.3
75°	0.0	5.0	10.0	14.9	19.3	19.3	19.3	19.3	19.6	22.0	24.3
72.5°	0.0	5.8	11.6	17.4	19.3	19.3	19.3	20.0	22.8	25.5	28.2
70°	0.0	6.6	13.2	19.3	19.3	19.3	19.6	22.8	26.0	29.1	32.1
67.5°	0.0	7.4	14.8	19.3	19.3	19.3	22.0	25.5	29.1	32.6	36.0
65°	0.0	8.2	16.3	19.3	19.3	20.3	24.3	28.2	32.1	36.0	39.8
62.5°	0.0	8.9	17.8	19.3	19.3	22.2	26.5	30.9	35.2	39.4	43.5
60°	0.0	9.6	19.3	19.3	19.3	24.0	28.7	33.5	38.1	42.7	47.1
57.5°	0.0	10.4	19.3	19.3	20.7	25.8	30.9	36.0	41.0	45.9	50.7
55°	0.0	11.1	19.3	19.3	22.1	27.6	33.0	38.4	43.7	49.0	54.2
52.5°	0.0	11.7	19.3	19.3	23.4	29.3	35.1	40.8	46.4	52.1	57.6
50°	0.0	12.4	19.3	19.3	24.8	30.9	37.1	43.1	49.1	55.1	60.9
47.5°	0.0	13.0	19.3	19.5	26.0	32.5	39.0	45.3	51.6	57.9	64.1
45°	0.0	13.6	19.3	20.4	27.3	34.1	40.8	47.4	54.1	60.7	67.2
42.5°	0.0	14.2	19.3	21.3	28.4	35.5	42.5	49.5	56.5	63.3	72.7
40°	0.0	14.8	19.3	22.2	29.6	36.9	44.2	51.5	58.7	65.9	78.4
37.5°	0.0	15.3	19.3	23.0	30.6	38.3	45.8	53.4	60.9	69.0	83.8
35°	0.0	15.8	19.3	23.7	31.6	39.5	47.3	55.1	62.9	73.6	88.0
32.5°	0.0	16.3	19.3	24.4	32.6	40.7	48.7	56.8	64.8	77.9	90.4
30°	0.0	16.7	19.3	25.1	33.5	41.8	50.1	58.4	66.6	82.0	92.6
27.5°	0.0	17.1	19.3	25.7	34.3	42.8	51.3	59.8	68.8	85.8	94.7
25°	0.0	17.5	19.3	26.3	35.0	43.7	52.4	61.1	71.9	88.1	97.1
22.5°	0.0	17.8	19.3	26.8	35.7	44.6	53.5	62.3	74.7	89.7	107.8
20°	0.0	18.1	19.3	27.2	36.3	45.4	54.4	63.4	77.3	91.1	117.5
17.5°	0.0	18.4	19.3	27.6	36.9	46.0	55.2	64.4	79.5	92.4	126.1
15°	0.0	18.6	19.3	28.0	37.4	46.6	56.0	65.2	81.5	93.5	133.6
12.5°	0.0	18.8	19.3	28.3	37.8	47.1	56.6	66.0	83.2	94.4	139.9
10°	0.0	19.0	19.3	28.6	38.1	47.6	57.1	66.5	84.5	95.2	145.2
7.5°	0.0	19.1	19.3	28.7	38.4	47.9	57.5	67.0	85.6	95.8	149.3
5°	0.0	19.2	19.3	28.9	38.6	48.1	57.8	67.3	86.4	96.3	152.2
2.5°	0.0	19.3	19.3	29.0	38.7	48.3	57.9	67.5	86.8	96.5	154.0
0°	0.0	19.3	19.3	29.0	38.7	48.3	58.0	67.6	87.0	96.6	154.6
-2.5°	0.0	19.3	19.3	29.0	38.7	48.3	57.9	67.5	86.8	96.5	154.0
-5°	0.0	19.2	19.3	28.9	38.6	48.1	57.8	67.3	86.4	96.3	152.2
-7.5°	0.0	19.1	19.3	28.7	38.4	47.9	57.5	67.0	85.6	95.8	149.3
-10°	0.0	19.0	19.3	28.6	38.1	47.6	57.1	66.5	84.5	95.2	145.2
-12.5°	0.0	18.8	19.3	28.3	37.8	47.1	56.6	66.0	83.2	94.4	139.9
-15°	0.0	18.6	19.3	28.0	37.4	46.6	56.0	65.2	81.5	93.5	133.6
-17.5°	0.0	18.4	19.3	27.6	36.9	46.0	55.2	64.4	79.5	92.4	126.1
-20°	0.0	18.1	19.3	27.2	36.3	45.4	54.4	63.4	77.3	91.1	117.5



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.8	19.3	26.8	35.7	44.6	53.5	62.3	74.7	89.7	107.8
-25°	0.0	17.5	19.3	26.3	35.0	43.7	52.4	61.1	71.9	88.1	97.1
-27.5°	0.0	17.1	19.3	25.7	34.3	42.8	51.3	59.8	68.8	85.8	94.7
-30°	0.0	16.7	19.3	25.1	33.5	41.8	50.1	58.4	66.6	82.0	92.6
-32.5°	0.0	16.3	19.3	24.4	32.6	40.7	48.7	56.8	64.8	77.9	90.4
-35°	0.0	15.8	19.3	23.7	31.6	39.5	47.3	55.1	62.9	73.6	88.0
-37.5°	0.0	15.3	19.3	23.0	30.6	38.3	45.8	53.4	60.9	69.0	83.8
-40°	0.0	14.8	19.3	22.2	29.6	36.9	44.2	51.5	58.7	65.9	78.4
-42.5°	0.0	14.2	19.3	21.3	28.4	35.5	42.5	49.5	56.5	63.3	72.7
-45°	0.0	13.6	19.3	20.4	27.3	34.1	40.8	47.4	54.1	60.7	67.2
-47.5°	0.0	13.0	19.3	19.5	26.0	32.5	39.0	45.3	51.6	57.9	64.1
-50°	0.0	12.4	19.3	19.3	24.8	30.9	37.1	43.1	49.1	55.1	60.9
-52.5°	0.0	11.7	19.3	19.3	23.4	29.3	35.1	40.8	46.4	52.1	57.6
-55°	0.0	11.1	19.3	19.3	22.1	27.6	33.0	38.4	43.7	49.0	54.2
-57.5°	0.0	10.4	19.3	19.3	20.7	25.8	30.9	36.0	41.0	45.9	50.7
-60°	0.0	9.6	19.3	19.3	19.3	24.0	28.7	33.5	38.1	42.7	47.1
-62.5°	0.0	8.9	17.8	19.3	19.3	22.2	26.5	30.9	35.2	39.4	43.5
-65°	0.0	8.2	16.3	19.3	19.3	20.3	24.3	28.2	32.1	36.0	39.8
-67.5°	0.0	7.4	14.8	19.3	19.3	19.3	22.0	25.5	29.1	32.6	36.0
-70°	0.0	6.6	13.2	19.3	19.3	19.3	19.6	22.8	26.0	29.1	32.1
-72.5°	0.0	5.8	11.6	17.4	19.3	19.3	19.3	20.0	22.8	25.5	28.2
-75°	0.0	5.0	10.0	14.9	19.3	19.3	19.3	19.3	19.6	22.0	24.3
-77.5°	0.0	4.2	8.3	12.5	16.6	19.3	19.3	19.3	19.3	19.3	20.3
-80°	0.0	3.4	6.7	10.0	13.3	16.6	19.3	19.3	19.3	19.3	19.3
-82.5°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.4	19.3	19.3	19.3
-85°	0.0	1.7	3.4	5.0	6.7	8.3	10.0	11.6	13.2	14.8	16.3
-87.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
-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-57-80-2R-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°	8.9	9.6	10.4	11.1	11.7	12.4	13.0	13.6	14.2	14.8	15.3
85°	17.8	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
82.5°	19.3	19.3	19.3	19.3	19.3	19.3	19.5	20.4	21.3	22.2	23.0
80°	19.3	19.3	20.7	22.1	23.4	24.8	26.0	27.3	28.4	29.6	30.6
77.5°	22.2	24.0	25.8	27.6	29.3	30.9	32.5	34.1	35.5	36.9	38.3
75°	26.5	28.7	30.9	33.0	35.1	37.1	39.0	40.8	42.5	44.2	45.8
72.5°	30.9	33.5	36.0	38.4	40.8	43.1	45.3	47.4	49.5	51.5	53.4
70°	35.2	38.1	41.0	43.7	46.4	49.1	51.6	54.1	56.5	58.7	60.9
67.5°	39.4	42.7	45.9	49.0	52.1	55.1	57.9	60.7	63.3	65.9	69.0
65°	43.5	47.1	50.7	54.2	57.6	60.9	64.1	67.2	72.7	78.4	83.8
62.5°	47.6	51.6	55.5	59.4	63.1	66.7	72.9	79.7	86.3	89.7	92.7
60°	51.6	56.0	60.2	64.4	69.3	77.3	85.0	89.7	93.3	97.1	116.8
57.5°	55.5	60.2	64.8	71.1	80.0	87.8	91.9	95.9	116.0	138.5	175.1
55°	59.4	64.4	71.1	80.9	88.7	93.3	103.5	129.7	156.1	249.3	338.5
52.5°	63.1	69.3	80.0	88.7	93.7	109.0	138.0	198.8	303.0	380.3	392.9
50°	66.7	77.3	87.8	93.3	109.0	140.8	220.2	335.5	386.0	400.1	408.5
47.5°	72.9	85.0	91.9	103.5	138.0	220.2	346.4	388.9	404.4	410.4	415.3
45°	79.7	89.7	95.9	129.7	198.8	335.5	388.9	405.9	411.4	424.8	465.8
42.5°	86.3	93.3	116.0	156.1	303.0	386.0	404.4	411.4	428.8	474.0	529.9
40°	89.7	97.1	138.5	249.3	380.3	400.1	410.4	424.8	474.0	536.1	605.4
37.5°	92.7	116.8	175.1	338.5	392.9	408.5	415.3	465.8	529.9	605.4	672.9
35°	95.5	135.5	253.5	383.0	404.9	412.8	449.7	511.3	592.7	666.9	741.9
32.5°	106.3	153.2	327.7	393.5	409.4	425.7	484.7	567.5	649.1	727.5	815.6
30°	121.4	213.2	379.6	403.4	412.9	456.6	530.4	619.9	701.5	793.6	1094.3
27.5°	135.5	272.7	388.1	408.2	421.2	485.5	577.1	666.0	757.4	926.5	1468.9
25°	148.5	327.7	395.9	411.0	446.1	522.2	619.7	709.0	812.1	1255.4	2423.4
22.5°	177.0	377.0	403.1	413.7	468.9	559.3	656.5	754.8	963.3	1592.0	3469.6
20°	218.2	383.0	407.2	419.1	489.6	593.0	690.0	797.6	1222.7	2484.6	5813.8
17.5°	254.9	388.3	409.1	436.1	515.7	622.0	720.9	836.1	1456.2	3289.9	8583.4
15°	286.9	392.9	410.8	451.0	540.0	646.3	752.1	1004.3	1916.1	4447.6	11096.4
12.5°	314.2	396.8	412.3	463.7	560.8	667.0	778.8	1167.4	2481.2	6401.2	14932.3
10°	336.7	400.1	413.5	474.1	578.0	684.2	800.9	1302.5	2950.0	8024.5	18126.7
7.5°	354.2	402.6	414.4	482.3	591.4	697.7	818.3	1408.6	3318.6	9303.2	20647.6
5°	366.8	404.4	415.1	488.2	601.1	707.3	830.8	1484.9	3584.2	10225.4	22468.6
2.5°	374.4	405.5	415.5	491.7	606.9	713.2	838.3	1530.9	3744.4	10782.4	23569.5
0°	376.9	405.9	415.6	492.9	608.8	715.1	840.8	1546.3	3798.0	10968.7	23937.9
-2.5°	374.4	405.5	415.5	491.7	606.9	713.2	838.3	1530.9	3744.4	10782.4	23569.5
-5°	366.8	404.4	415.1	488.2	601.1	707.3	830.8	1484.9	3584.2	10225.4	22468.6
-7.5°	354.2	402.6	414.4	482.3	591.4	697.7	818.3	1408.6	3318.6	9303.2	20647.6
-10°	336.7	400.1	413.5	474.1	578.0	684.2	800.9	1302.5	2950.0	8024.5	18126.7
-12.5°	314.2	396.8	412.3	463.7	560.8	667.0	778.8	1167.4	2481.2	6401.2	14932.3
-15°	286.9	392.9	410.8	451.0	540.0	646.3	752.1	1004.3	1916.1	4447.6	11096.4
-17.5°	254.9	388.3	409.1	436.1	515.7	622.0	720.9	836.1	1456.2	3289.9	8583.4
-20°	218.2	383.0	407.2	419.1	489.6	593.0	690.0	797.6	1222.7	2484.6	5813.8



REPORT NUMBER: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	177.0	377.0	403.1	413.7	468.9	559.3	656.5	754.8	963.3	1592.0	3469.6
-25°	148.5	327.7	395.9	411.0	446.1	522.2	619.7	709.0	812.1	1255.4	2423.4
-27.5°	135.5	272.7	388.1	408.2	421.2	485.5	577.1	666.0	757.4	926.5	1468.9
-30°	121.4	213.2	379.6	403.4	412.9	456.6	530.4	619.9	701.5	793.6	1094.3
-32.5°	106.3	153.2	327.7	393.5	409.4	425.7	484.7	567.5	649.1	727.5	815.6
-35°	95.5	135.5	253.5	383.0	404.9	412.8	449.7	511.3	592.7	666.9	741.9
-37.5°	92.7	116.8	175.1	338.5	392.9	408.5	415.3	465.8	529.9	605.4	672.9
-40°	89.7	97.1	138.5	249.3	380.3	400.1	410.4	424.8	474.0	536.1	605.4
-42.5°	86.3	93.3	116.0	156.1	303.0	386.0	404.4	411.4	428.8	474.0	529.9
-45°	79.7	89.7	95.9	129.7	198.8	335.5	388.9	405.9	411.4	424.8	465.8
-47.5°	72.9	85.0	91.9	103.5	138.0	220.2	346.4	388.9	404.4	410.4	415.3
-50°	66.7	77.3	87.8	93.3	109.0	140.8	220.2	335.5	386.0	400.1	408.5
-52.5°	63.1	69.3	80.0	88.7	93.7	109.0	138.0	198.8	303.0	380.3	392.9
-55°	59.4	64.4	71.1	80.9	88.7	93.3	103.5	129.7	156.1	249.3	338.5
-57.5°	55.5	60.2	64.8	71.1	80.0	87.8	91.9	95.9	116.0	138.5	175.1
-60°	51.6	56.0	60.2	64.4	69.3	77.3	85.0	89.7	93.3	97.1	116.8
-62.5°	47.6	51.6	55.5	59.4	63.1	66.7	72.9	79.7	86.3	89.7	92.7
-65°	43.5	47.1	50.7	54.2	57.6	60.9	64.1	67.2	72.7	78.4	83.8
-67.5°	39.4	42.7	45.9	49.0	52.1	55.1	57.9	60.7	63.3	65.9	69.0
-70°	35.2	38.1	41.0	43.7	46.4	49.1	51.6	54.1	56.5	58.7	60.9
-72.5°	30.9	33.5	36.0	38.4	40.8	43.1	45.3	47.4	49.5	51.5	53.4
-75°	26.5	28.7	30.9	33.0	35.1	37.1	39.0	40.8	42.5	44.2	45.8
-77.5°	22.2	24.0	25.8	27.6	29.3	30.9	32.5	34.1	35.5	36.9	38.3
-80°	19.3	19.3	20.7	22.1	23.4	24.8	26.0	27.3	28.4	29.6	30.6
-82.5°	19.3	19.3	19.3	19.3	19.3	19.3	19.5	20.4	21.3	22.2	23.0
-85°	17.8	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
-87.5°	8.9	9.6	10.4	11.1	11.7	12.4	13.0	13.6	14.2	14.8	15.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2R-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°	15.8	16.3	16.7	17.1	17.5	17.8	18.1	18.4	18.6	18.8	19.0
85°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
82.5°	23.7	24.4	25.1	25.7	26.3	26.8	27.2	27.6	28.0	28.3	28.6
80°	31.6	32.6	33.5	34.3	35.0	35.7	36.3	36.9	37.4	37.8	38.1
77.5°	39.5	40.7	41.8	42.8	43.7	44.6	45.4	46.0	46.6	47.1	47.6
75°	47.3	48.7	50.1	51.3	52.4	53.5	54.4	55.2	56.0	56.6	57.1
72.5°	55.1	56.8	58.4	59.8	61.1	62.3	63.4	64.4	65.2	66.0	66.5
70°	62.9	64.8	66.6	68.8	71.9	74.7	77.3	79.5	81.5	83.2	84.5
67.5°	73.6	77.9	82.0	85.8	88.1	89.7	91.1	92.4	93.5	94.4	95.2
65°	88.0	90.4	92.6	94.7	97.1	107.8	117.5	126.1	133.6	139.9	145.2
62.5°	95.5	106.3	121.4	135.5	148.5	177.0	218.2	254.9	286.9	314.2	336.7
60°	135.5	153.2	213.2	272.7	327.7	377.0	383.0	388.3	392.9	396.8	400.1
57.5°	253.5	327.7	379.6	388.1	395.9	403.1	407.2	409.1	410.8	412.3	413.5
55°	383.0	393.5	403.4	408.2	411.0	413.7	419.1	436.1	451.0	463.7	474.1
52.5°	404.9	409.4	412.9	421.2	446.1	468.9	489.6	515.7	540.0	560.8	578.0
50°	412.8	425.7	456.6	485.5	522.2	559.3	593.0	622.0	646.3	667.0	684.2
47.5°	449.7	484.7	530.4	577.1	619.7	656.5	690.0	720.9	752.1	778.8	800.9
45°	511.3	567.5	619.9	666.0	709.0	754.8	797.6	836.1	1004.3	1167.4	1302.5
42.5°	592.7	649.1	701.5	757.4	812.1	963.3	1222.7	1456.2	1916.1	2481.2	2950.0
40°	666.9	727.5	793.6	926.5	1255.4	1592.0	2484.6	3289.9	4447.6	6401.2	8024.5
37.5°	741.9	815.6	1094.3	1468.9	2423.4	3469.6	5813.8	8583.4	11096.4	14932.3	18126.7
35°	823.0	1179.1	1714.4	2989.0	5050.3	8624.5	12688.7	18097.5	22908.4	27346.6	31126.5
32.5°	1179.1	1853.9	3275.4	6453.5	10541.8	17124.7	23535.6	29845.5	35509.5	40094.3	43638.0
30°	1714.4	3275.4	6925.5	11955.3	19840.1	27544.7	35033.4	41342.2	46621.0	50739.7	52879.3
27.5°	2989.0	6453.5	11955.3	20754.6	29600.0	38192.2	45108.5	50871.9	54036.6	56812.5	58099.1
25°	5050.3	10541.8	19840.1	29600.0	39115.8	47028.1	52522.5	56316.1	58425.5	60083.2	61953.4
22.5°	8624.5	17124.7	27544.7	38192.2	47028.1	53080.5	57184.0	59422.4	61915.6	64558.9	67434.9
20°	12688.7	23535.6	35033.4	45108.5	52522.5	57184.0	59760.5	62950.6	66423.6	71058.9	75574.3
17.5°	18097.5	29845.5	41342.2	50871.9	56316.1	59422.4	62950.6	67309.5	72937.7	80491.5	87855.4
15°	22908.4	35509.5	46621.0	54036.6	58425.5	61915.6	66423.6	72937.7	82178.1	93756.8	107929.1
12.5°	27346.6	40094.3	50739.7	56812.5	60083.2	64558.9	71058.9	80491.5	93756.8	111371.2	140378.4
10°	31126.5	43638.0	52879.3	58099.1	61953.4	67434.9	75574.3	87855.4	107929.1	140378.4	183224.8
7.5°	34116.4	46448.8	54582.0	59122.9	63600.3	70356.8	80970.9	98002.3	126336.7	170673.4	250079.3
5°	36279.9	48487.2	55820.3	59870.0	64807.5	72511.0	84980.2	105856.4	143366.2	207953.0	318819.1
2.5°	37589.6	49723.1	56572.5	60325.0	65544.9	73832.5	87454.2	110742.7	154088.4	237589.4	378412.1
0°	38028.1	50137.2	56824.8	60477.8	65793.0	74278.1	88291.0	112402.9	157756.4	249004.6	400392.3
-2.5°	37589.6	49723.1	56572.5	60325.0	65544.9	73832.5	87454.2	110742.7	154088.4	237589.4	378412.1
-5°	36279.9	48487.2	55820.3	59870.0	64807.5	72511.0	84980.2	105856.4	143366.2	207953.0	318819.1
-7.5°	34116.4	46448.8	54582.0	59122.9	63600.3	70356.8	80970.9	98002.3	126336.7	170673.4	250079.3
-10°	31126.5	43638.0	52879.3	58099.1	61953.4	67434.9	75574.3	87855.4	107929.1	140378.4	183224.8
-12.5°	27346.6	40094.3	50739.7	56812.5	60083.2	64558.9	71058.9	80491.5	93756.8	111371.2	140378.4
-15°	22908.4	35509.5	46621.0	54036.6	58425.5	61915.6	66423.6	72937.7	82178.1	93756.8	107929.1
-17.5°	18097.5	29845.5	41342.2	50871.9	56316.1	59422.4	62950.6	67309.5	72937.7	80491.5	87855.4
-20°	12688.7	23535.6	35033.4	45108.5	52522.5	57184.0	59760.5	62950.6	66423.6	71058.9	75574.3



REPORT NUMBER: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8624.5	17124.7	27544.7	38192.2	47028.1	53080.5	57184.0	59422.4	61915.6	64558.9	67434.9
-25°	5050.3	10541.8	19840.1	29600.0	39115.8	47028.1	52522.5	56316.1	58425.5	60083.2	61953.4
-27.5°	2989.0	6453.5	11955.3	20754.6	29600.0	38192.2	45108.5	50871.9	54036.6	56812.5	58099.1
-30°	1714.4	3275.4	6925.5	11955.3	19840.1	27544.7	35033.4	41342.2	46621.0	50739.7	52879.3
-32.5°	1179.1	1853.9	3275.4	6453.5	10541.8	17124.7	23535.6	29845.5	35509.5	40094.3	43638.0
-35°	823.0	1179.1	1714.4	2989.0	5050.3	8624.5	12688.7	18097.5	22908.4	27346.6	31126.5
-37.5°	741.9	815.6	1094.3	1468.9	2423.4	3469.6	5813.8	8583.4	11096.4	14932.3	18126.7
-40°	666.9	727.5	793.6	926.5	1255.4	1592.0	2484.6	3289.9	4447.6	6401.2	8024.5
-42.5°	592.7	649.1	701.5	757.4	812.1	963.3	1222.7	1456.2	1916.1	2481.2	2950.0
-45°	511.3	567.5	619.9	666.0	709.0	754.8	797.6	836.1	1004.3	1167.4	1302.5
-47.5°	449.7	484.7	530.4	577.1	619.7	656.5	690.0	720.9	752.1	778.8	800.9
-50°	412.8	425.7	456.6	485.5	522.2	559.3	593.0	622.0	646.3	667.0	684.2
-52.5°	404.9	409.4	412.9	421.2	446.1	468.9	489.6	515.7	540.0	560.8	578.0
-55°	383.0	393.5	403.4	408.2	411.0	413.7	419.1	436.1	451.0	463.7	474.1
-57.5°	253.5	327.7	379.6	388.1	395.9	403.1	407.2	409.1	410.8	412.3	413.5
-60°	135.5	153.2	213.2	272.7	327.7	377.0	383.0	388.3	392.9	396.8	400.1
-62.5°	95.5	106.3	121.4	135.5	148.5	177.0	218.2	254.9	286.9	314.2	336.7
-65°	88.0	90.4	92.6	94.7	97.1	107.8	117.5	126.1	133.6	139.9	145.2
-67.5°	73.6	77.9	82.0	85.8	88.1	89.7	91.1	92.4	93.5	94.4	95.2
-70°	62.9	64.8	66.6	68.8	71.9	74.7	77.3	79.5	81.5	83.2	84.5
-72.5°	55.1	56.8	58.4	59.8	61.1	62.3	63.4	64.4	65.2	66.0	66.5
-75°	47.3	48.7	50.1	51.3	52.4	53.5	54.4	55.2	56.0	56.6	57.1
-77.5°	39.5	40.7	41.8	42.8	43.7	44.6	45.4	46.0	46.6	47.1	47.6
-80°	31.6	32.6	33.5	34.3	35.0	35.7	36.3	36.9	37.4	37.8	38.1
-82.5°	23.7	24.4	25.1	25.7	26.3	26.8	27.2	27.6	28.0	28.3	28.6
-85°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
-87.5°	15.8	16.3	16.7	17.1	17.5	17.8	18.1	18.4	18.6	18.8	19.0
-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: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2R-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°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	19.0	18.8	18.6	18.4
85°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
82.5°	28.7	28.9	29.0	29.0	29.0	28.9	28.7	28.6	28.3	28.0	27.6
80°	38.4	38.6	38.7	38.7	38.7	38.6	38.4	38.1	37.8	37.4	36.9
77.5°	47.9	48.1	48.3	48.3	48.3	48.1	47.9	47.6	47.1	46.6	46.0
75°	57.5	57.8	57.9	58.0	57.9	57.8	57.5	57.1	56.6	56.0	55.2
72.5°	67.0	67.3	67.5	67.6	67.5	67.3	67.0	66.5	66.0	65.2	64.4
70°	85.6	86.4	86.8	87.0	86.8	86.4	85.6	84.5	83.2	81.5	79.5
67.5°	95.8	96.3	96.5	96.6	96.5	96.3	95.8	95.2	94.4	93.5	92.4
65°	149.3	152.2	154.0	154.6	154.0	152.2	149.3	145.2	139.9	133.6	126.1
62.5°	354.2	366.8	374.4	376.9	374.4	366.8	354.2	336.7	314.2	286.9	254.9
60°	402.6	404.4	405.5	405.9	405.5	404.4	402.6	400.1	396.8	392.9	388.3
57.5°	414.4	415.1	415.5	415.6	415.5	415.1	414.4	413.5	412.3	410.8	409.1
55°	482.3	488.2	491.7	492.9	491.7	488.2	482.3	474.1	463.7	451.0	436.1
52.5°	591.4	601.1	606.9	608.8	606.9	601.1	591.4	578.0	560.8	540.0	515.7
50°	697.7	707.3	713.2	715.1	713.2	707.3	697.7	684.2	667.0	646.3	622.0
47.5°	818.3	830.8	838.3	840.8	838.3	830.8	818.3	800.9	778.8	752.1	720.9
45°	1408.6	1484.9	1530.9	1546.3	1530.9	1484.9	1408.6	1302.5	1167.4	1004.3	836.1
42.5°	3318.6	3584.2	3744.4	3798.0	3744.4	3584.2	3318.6	2950.0	2481.2	1916.1	1456.2
40°	9303.2	10225.4	10782.4	10968.7	10782.4	10225.4	9303.2	8024.5	6401.2	4447.6	3289.9
37.5°	20647.6	22468.6	23569.5	23937.9	23569.5	22468.6	20647.6	18126.7	14932.3	11096.4	8583.4
35°	34116.4	36279.9	37589.6	38028.1	37589.6	36279.9	34116.4	31126.5	27346.6	22908.4	18097.5
32.5°	46448.8	48487.2	49723.1	50137.2	49723.1	48487.2	46448.8	43638.0	40094.3	35509.5	29845.5
30°	54582.0	55820.3	56572.5	56824.8	56572.5	55820.3	54582.0	52879.3	50739.7	46621.0	41342.2
27.5°	59122.9	59870.0	60325.0	60477.8	60325.0	59870.0	59122.9	58099.1	56812.5	54036.6	50871.9
25°	63600.3	64807.5	65544.9	65793.0	65544.9	64807.5	63600.3	61953.4	60083.2	58425.5	56316.1
22.5°	70356.8	72511.0	73832.5	74278.1	73832.5	72511.0	70356.8	67434.9	64558.9	61915.6	59422.4
20°	80970.9	84980.2	87454.2	88291.0	87454.2	84980.2	80970.9	75574.3	71058.9	66423.6	62950.6
17.5°	98002.3	105856.4	110742.7	112402.9	110742.7	105856.4	98002.3	87855.4	80491.5	72937.7	67309.5
15°	126336.7	143366.2	154088.4	157756.4	154088.4	143366.2	126336.7	107929.1	93756.8	82178.1	72937.7
12.5°	170673.4	207953.0	237589.4	249004.6	237589.4	207953.0	170673.4	140378.4	111371.2	93756.8	80491.5
10°	250079.3	318819.1	378412.1	400392.3	378412.1	318819.1	250079.3	183224.8	140378.4	107929.1	87855.4
7.5°	357726.5	498120.8	645126.0	708072.3	645126.0	498120.8	357726.5	250079.3	170673.4	126336.7	98002.3
5°	498120.8	775698.1	987120.9	#####	987120.9	775698.1	498120.8	318819.1	207953.0	143366.2	105856.4
2.5°	645126.0	987120.9	#####	#####	#####	987120.9	645126.0	378412.1	237589.4	154088.4	110742.7
0°	708072.3	#####	#####	#####	#####	#####	708072.3	400392.3	249004.6	157756.4	112402.9
-2.5°	645126.0	987120.9	#####	#####	#####	987120.9	645126.0	378412.1	237589.4	154088.4	110742.7
-5°	498120.8	775698.1	987120.9	#####	987120.9	775698.1	498120.8	318819.1	207953.0	143366.2	105856.4
-7.5°	357726.5	498120.8	645126.0	708072.3	645126.0	498120.8	357726.5	250079.3	170673.4	126336.7	98002.3
-10°	250079.3	318819.1	378412.1	400392.3	378412.1	318819.1	250079.3	183224.8	140378.4	107929.1	87855.4
-12.5°	170673.4	207953.0	237589.4	249004.6	237589.4	207953.0	170673.4	140378.4	111371.2	93756.8	80491.5
-15°	126336.7	143366.2	154088.4	157756.4	154088.4	143366.2	126336.7	107929.1	93756.8	82178.1	72937.7
-17.5°	98002.3	105856.4	110742.7	112402.9	110742.7	105856.4	98002.3	87855.4	80491.5	72937.7	67309.5
-20°	80970.9	84980.2	87454.2	88291.0	87454.2	84980.2	80970.9	75574.3	71058.9	66423.6	62950.6



REPORT NUMBER: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	70356.8	72511.0	73832.5	74278.1	73832.5	72511.0	70356.8	67434.9	64558.9	61915.6	59422.4
-25°	63600.3	64807.5	65544.9	65793.0	65544.9	64807.5	63600.3	61953.4	60083.2	58425.5	56316.1
-27.5°	59122.9	59870.0	60325.0	60477.8	60325.0	59870.0	59122.9	58099.1	56812.5	54036.6	50871.9
-30°	54582.0	55820.3	56572.5	56824.8	56572.5	55820.3	54582.0	52879.3	50739.7	46621.0	41342.2
-32.5°	46448.8	48487.2	49723.1	50137.2	49723.1	48487.2	46448.8	43638.0	40094.3	35509.5	29845.5
-35°	34116.4	36279.9	37589.6	38028.1	37589.6	36279.9	34116.4	31126.5	27346.6	22908.4	18097.5
-37.5°	20647.6	22468.6	23569.5	23937.9	23569.5	22468.6	20647.6	18126.7	14932.3	11096.4	8583.4
-40°	9303.2	10225.4	10782.4	10968.7	10782.4	10225.4	9303.2	8024.5	6401.2	4447.6	3289.9
-42.5°	3318.6	3584.2	3744.4	3798.0	3744.4	3584.2	3318.6	2950.0	2481.2	1916.1	1456.2
-45°	1408.6	1484.9	1530.9	1546.3	1530.9	1484.9	1408.6	1302.5	1167.4	1004.3	836.1
-47.5°	818.3	830.8	838.3	840.8	838.3	830.8	818.3	800.9	778.8	752.1	720.9
-50°	697.7	707.3	713.2	715.1	713.2	707.3	697.7	684.2	667.0	646.3	622.0
-52.5°	591.4	601.1	606.9	608.8	606.9	601.1	591.4	578.0	560.8	540.0	515.7
-55°	482.3	488.2	491.7	492.9	491.7	488.2	482.3	474.1	463.7	451.0	436.1
-57.5°	414.4	415.1	415.5	415.6	415.5	415.1	414.4	413.5	412.3	410.8	409.1
-60°	402.6	404.4	405.5	405.9	405.5	404.4	402.6	400.1	396.8	392.9	388.3
-62.5°	354.2	366.8	374.4	376.9	374.4	366.8	354.2	336.7	314.2	286.9	254.9
-65°	149.3	152.2	154.0	154.6	154.0	152.2	149.3	145.2	139.9	133.6	126.1
-67.5°	95.8	96.3	96.5	96.6	96.5	96.3	95.8	95.2	94.4	93.5	92.4
-70°	85.6	86.4	86.8	87.0	86.8	86.4	85.6	84.5	83.2	81.5	79.5
-72.5°	67.0	67.3	67.5	67.6	67.5	67.3	67.0	66.5	66.0	65.2	64.4
-75°	57.5	57.8	57.9	58.0	57.9	57.8	57.5	57.1	56.6	56.0	55.2
-77.5°	47.9	48.1	48.3	48.3	48.3	48.1	47.9	47.6	47.1	46.6	46.0
-80°	38.4	38.6	38.7	38.7	38.7	38.6	38.4	38.1	37.8	37.4	36.9
-82.5°	28.7	28.9	29.0	29.0	29.0	28.9	28.7	28.6	28.3	28.0	27.6
-85°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
-87.5°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	19.0	18.8	18.6	18.4
-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-57-80-2R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.1	17.8	17.5	17.1	16.7	16.3	15.8	15.3	14.8	14.2	13.6
85°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
82.5°	27.2	26.8	26.3	25.7	25.1	24.4	23.7	23.0	22.2	21.3	20.4
80°	36.3	35.7	35.0	34.3	33.5	32.6	31.6	30.6	29.6	28.4	27.3
77.5°	45.4	44.6	43.7	42.8	41.8	40.7	39.5	38.3	36.9	35.5	34.1
75°	54.4	53.5	52.4	51.3	50.1	48.7	47.3	45.8	44.2	42.5	40.8
72.5°	63.4	62.3	61.1	59.8	58.4	56.8	55.1	53.4	51.5	49.5	47.4
70°	77.3	74.7	71.9	68.8	66.6	64.8	62.9	60.9	58.7	56.5	54.1
67.5°	91.1	89.7	88.1	85.8	82.0	77.9	73.6	69.0	65.9	63.3	60.7
65°	117.5	107.8	97.1	94.7	92.6	90.4	88.0	83.8	78.4	72.7	67.2
62.5°	218.2	177.0	148.5	135.5	121.4	106.3	95.5	92.7	89.7	86.3	79.7
60°	383.0	377.0	327.7	272.7	213.2	153.2	135.5	116.8	97.1	93.3	89.7
57.5°	407.2	403.1	395.9	388.1	379.6	327.7	253.5	175.1	138.5	116.0	95.9
55°	419.1	413.7	411.0	408.2	403.4	393.5	383.0	338.5	249.3	156.1	129.7
52.5°	489.6	468.9	446.1	421.2	412.9	409.4	404.9	392.9	380.3	303.0	198.8
50°	593.0	559.3	522.2	485.5	456.6	425.7	412.8	408.5	400.1	386.0	335.5
47.5°	690.0	656.5	619.7	577.1	530.4	484.7	449.7	415.3	410.4	404.4	388.9
45°	797.6	754.8	709.0	666.0	619.9	567.5	511.3	465.8	424.8	411.4	405.9
42.5°	1222.7	963.3	812.1	757.4	701.5	649.1	592.7	529.9	474.0	428.8	411.4
40°	2484.6	1592.0	1255.4	926.5	793.6	727.5	666.9	605.4	536.1	474.0	424.8
37.5°	5813.8	3469.6	2423.4	1468.9	1094.3	815.6	741.9	672.9	605.4	529.9	465.8
35°	12688.7	8624.5	5050.3	2989.0	1714.4	1179.1	823.0	741.9	666.9	592.7	511.3
32.5°	23535.6	17124.7	10541.8	6453.5	3275.4	1853.9	1179.1	815.6	727.5	649.1	567.5
30°	35033.4	27544.7	19840.1	11955.3	6925.5	3275.4	1714.4	1094.3	793.6	701.5	619.9
27.5°	45108.5	38192.2	29600.0	20754.6	11955.3	6453.5	2989.0	1468.9	926.5	757.4	666.0
25°	52522.5	47028.1	39115.8	29600.0	19840.1	10541.8	5050.3	2423.4	1255.4	812.1	709.0
22.5°	57184.0	53080.5	47028.1	38192.2	27544.7	17124.7	8624.5	3469.6	1592.0	963.3	754.8
20°	59760.5	57184.0	52522.5	45108.5	35033.4	23535.6	12688.7	5813.8	2484.6	1222.7	797.6
17.5°	62950.6	59422.4	56316.1	50871.9	41342.2	29845.5	18097.5	8583.4	3289.9	1456.2	836.1
15°	66423.6	61915.6	58425.5	54036.6	46621.0	35509.5	22908.4	11096.4	4447.6	1916.1	1004.3
12.5°	71058.9	64558.9	60083.2	56812.5	50739.7	40094.3	27346.6	14932.3	6401.2	2481.2	1167.4
10°	75574.3	67434.9	61953.4	58099.1	52879.3	43638.0	31126.5	18126.7	8024.5	2950.0	1302.5
7.5°	80970.9	70356.8	63600.3	59122.9	54582.0	46448.8	34116.4	20647.6	9303.2	3318.6	1408.6
5°	84980.2	72511.0	64807.5	59870.0	55820.3	48487.2	36279.9	22468.6	10225.4	3584.2	1484.9
2.5°	87454.2	73832.5	65544.9	60325.0	56572.5	49723.1	37589.6	23569.5	10782.4	3744.4	1530.9
0°	88291.0	74278.1	65793.0	60477.8	56824.8	50137.2	38028.1	23937.9	10968.7	3798.0	1546.3
-2.5°	87454.2	73832.5	65544.9	60325.0	56572.5	49723.1	37589.6	23569.5	10782.4	3744.4	1530.9
-5°	84980.2	72511.0	64807.5	59870.0	55820.3	48487.2	36279.9	22468.6	10225.4	3584.2	1484.9
-7.5°	80970.9	70356.8	63600.3	59122.9	54582.0	46448.8	34116.4	20647.6	9303.2	3318.6	1408.6
-10°	75574.3	67434.9	61953.4	58099.1	52879.3	43638.0	31126.5	18126.7	8024.5	2950.0	1302.5
-12.5°	71058.9	64558.9	60083.2	56812.5	50739.7	40094.3	27346.6	14932.3	6401.2	2481.2	1167.4
-15°	66423.6	61915.6	58425.5	54036.6	46621.0	35509.5	22908.4	11096.4	4447.6	1916.1	1004.3
-17.5°	62950.6	59422.4	56316.1	50871.9	41342.2	29845.5	18097.5	8583.4	3289.9	1456.2	836.1
-20°	59760.5	57184.0	52522.5	45108.5	35033.4	23535.6	12688.7	5813.8	2484.6	1222.7	797.6



REPORT NUMBER: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	57184.0	53080.5	47028.1	38192.2	27544.7	17124.7	8624.5	3469.6	1592.0	963.3	754.8
-25°	52522.5	47028.1	39115.8	29600.0	19840.1	10541.8	5050.3	2423.4	1255.4	812.1	709.0
-27.5°	45108.5	38192.2	29600.0	20754.6	11955.3	6453.5	2989.0	1468.9	926.5	757.4	666.0
-30°	35033.4	27544.7	19840.1	11955.3	6925.5	3275.4	1714.4	1094.3	793.6	701.5	619.9
-32.5°	23535.6	17124.7	10541.8	6453.5	3275.4	1853.9	1179.1	815.6	727.5	649.1	567.5
-35°	12688.7	8624.5	5050.3	2989.0	1714.4	1179.1	823.0	741.9	666.9	592.7	511.3
-37.5°	5813.8	3469.6	2423.4	1468.9	1094.3	815.6	741.9	672.9	605.4	529.9	465.8
-40°	2484.6	1592.0	1255.4	926.5	793.6	727.5	666.9	605.4	536.1	474.0	424.8
-42.5°	1222.7	963.3	812.1	757.4	701.5	649.1	592.7	529.9	474.0	428.8	411.4
-45°	797.6	754.8	709.0	666.0	619.9	567.5	511.3	465.8	424.8	411.4	405.9
-47.5°	690.0	656.5	619.7	577.1	530.4	484.7	449.7	415.3	410.4	404.4	388.9
-50°	593.0	559.3	522.2	485.5	456.6	425.7	412.8	408.5	400.1	386.0	335.5
-52.5°	489.6	468.9	446.1	421.2	412.9	409.4	404.9	392.9	380.3	303.0	198.8
-55°	419.1	413.7	411.0	408.2	403.4	393.5	383.0	338.5	249.3	156.1	129.7
-57.5°	407.2	403.1	395.9	388.1	379.6	327.7	253.5	175.1	138.5	116.0	95.9
-60°	383.0	377.0	327.7	272.7	213.2	153.2	135.5	116.8	97.1	93.3	89.7
-62.5°	218.2	177.0	148.5	135.5	121.4	106.3	95.5	92.7	89.7	86.3	79.7
-65°	117.5	107.8	97.1	94.7	92.6	90.4	88.0	83.8	78.4	72.7	67.2
-67.5°	91.1	89.7	88.1	85.8	82.0	77.9	73.6	69.0	65.9	63.3	60.7
-70°	77.3	74.7	71.9	68.8	66.6	64.8	62.9	60.9	58.7	56.5	54.1
-72.5°	63.4	62.3	61.1	59.8	58.4	56.8	55.1	53.4	51.5	49.5	47.4
-75°	54.4	53.5	52.4	51.3	50.1	48.7	47.3	45.8	44.2	42.5	40.8
-77.5°	45.4	44.6	43.7	42.8	41.8	40.7	39.5	38.3	36.9	35.5	34.1
-80°	36.3	35.7	35.0	34.3	33.5	32.6	31.6	30.6	29.6	28.4	27.3
-82.5°	27.2	26.8	26.3	25.7	25.1	24.4	23.7	23.0	22.2	21.3	20.4
-85°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3
-87.5°	18.1	17.8	17.5	17.1	16.7	16.3	15.8	15.3	14.8	14.2	13.6
-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: P700001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2R-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°	13.0	12.4	11.7	11.1	10.4	9.6	8.9	8.2	7.4	6.6	5.8
85°	19.3	19.3	19.3	19.3	19.3	19.3	17.8	16.3	14.8	13.2	11.6
82.5°	19.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.4
80°	26.0	24.8	23.4	22.1	20.7	19.3	19.3	19.3	19.3	19.3	19.3
77.5°	32.5	30.9	29.3	27.6	25.8	24.0	22.2	20.3	19.3	19.3	19.3
75°	39.0	37.1	35.1	33.0	30.9	28.7	26.5	24.3	22.0	19.6	19.3
72.5°	45.3	43.1	40.8	38.4	36.0	33.5	30.9	28.2	25.5	22.8	20.0
70°	51.6	49.1	46.4	43.7	41.0	38.1	35.2	32.1	29.1	26.0	22.8
67.5°	57.9	55.1	52.1	49.0	45.9	42.7	39.4	36.0	32.6	29.1	25.5
65°	64.1	60.9	57.6	54.2	50.7	47.1	43.5	39.8	36.0	32.1	28.2
62.5°	72.9	66.7	63.1	59.4	55.5	51.6	47.6	43.5	39.4	35.2	30.9
60°	85.0	77.3	69.3	64.4	60.2	56.0	51.6	47.1	42.7	38.1	33.5
57.5°	91.9	87.8	80.0	71.1	64.8	60.2	55.5	50.7	45.9	41.0	36.0
55°	103.5	93.3	88.7	80.9	71.1	64.4	59.4	54.2	49.0	43.7	38.4
52.5°	138.0	109.0	93.7	88.7	80.0	69.3	63.1	57.6	52.1	46.4	40.8
50°	220.2	140.8	109.0	93.3	87.8	77.3	66.7	60.9	55.1	49.1	43.1
47.5°	346.4	220.2	138.0	103.5	91.9	85.0	72.9	64.1	57.9	51.6	45.3
45°	388.9	335.5	198.8	129.7	95.9	89.7	79.7	67.2	60.7	54.1	47.4
42.5°	404.4	386.0	303.0	156.1	116.0	93.3	86.3	72.7	63.3	56.5	49.5
40°	410.4	400.1	380.3	249.3	138.5	97.1	89.7	78.4	65.9	58.7	51.5
37.5°	415.3	408.5	392.9	338.5	175.1	116.8	92.7	83.8	69.0	60.9	53.4
35°	449.7	412.8	404.9	383.0	253.5	135.5	95.5	88.0	73.6	62.9	55.1
32.5°	484.7	425.7	409.4	393.5	327.7	153.2	106.3	90.4	77.9	64.8	56.8
30°	530.4	456.6	412.9	403.4	379.6	213.2	121.4	92.6	82.0	66.6	58.4
27.5°	577.1	485.5	421.2	408.2	388.1	272.7	135.5	94.7	85.8	68.8	59.8
25°	619.7	522.2	446.1	411.0	395.9	327.7	148.5	97.1	88.1	71.9	61.1
22.5°	656.5	559.3	468.9	413.7	403.1	377.0	177.0	107.8	89.7	74.7	62.3
20°	690.0	593.0	489.6	419.1	407.2	383.0	218.2	117.5	91.1	77.3	63.4
17.5°	720.9	622.0	515.7	436.1	409.1	388.3	254.9	126.1	92.4	79.5	64.4
15°	752.1	646.3	540.0	451.0	410.8	392.9	286.9	133.6	93.5	81.5	65.2
12.5°	778.8	667.0	560.8	463.7	412.3	396.8	314.2	139.9	94.4	83.2	66.0
10°	800.9	684.2	578.0	474.1	413.5	400.1	336.7	145.2	95.2	84.5	66.5
7.5°	818.3	697.7	591.4	482.3	414.4	402.6	354.2	149.3	95.8	85.6	67.0
5°	830.8	707.3	601.1	488.2	415.1	404.4	366.8	152.2	96.3	86.4	67.3
2.5°	838.3	713.2	606.9	491.7	415.5	405.5	374.4	154.0	96.5	86.8	67.5
0°	840.8	715.1	608.8	492.9	415.6	405.9	376.9	154.6	96.6	87.0	67.6
-2.5°	838.3	713.2	606.9	491.7	415.5	405.5	374.4	154.0	96.5	86.8	67.5
-5°	830.8	707.3	601.1	488.2	415.1	404.4	366.8	152.2	96.3	86.4	67.3
-7.5°	818.3	697.7	591.4	482.3	414.4	402.6	354.2	149.3	95.8	85.6	67.0
-10°	800.9	684.2	578.0	474.1	413.5	400.1	336.7	145.2	95.2	84.5	66.5
-12.5°	778.8	667.0	560.8	463.7	412.3	396.8	314.2	139.9	94.4	83.2	66.0
-15°	752.1	646.3	540.0	451.0	410.8	392.9	286.9	133.6	93.5	81.5	65.2
-17.5°	720.9	622.0	515.7	436.1	409.1	388.3	254.9	126.1	92.4	79.5	64.4
-20°	690.0	593.0	489.6	419.1	407.2	383.0	218.2	117.5	91.1	77.3	63.4



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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°	656.5	559.3	468.9	413.7	403.1	377.0	177.0	107.8	89.7	74.7	62.3
-25°	619.7	522.2	446.1	411.0	395.9	327.7	148.5	97.1	88.1	71.9	61.1
-27.5°	577.1	485.5	421.2	408.2	388.1	272.7	135.5	94.7	85.8	68.8	59.8
-30°	530.4	456.6	412.9	403.4	379.6	213.2	121.4	92.6	82.0	66.6	58.4
-32.5°	484.7	425.7	409.4	393.5	327.7	153.2	106.3	90.4	77.9	64.8	56.8
-35°	449.7	412.8	404.9	383.0	253.5	135.5	95.5	88.0	73.6	62.9	55.1
-37.5°	415.3	408.5	392.9	338.5	175.1	116.8	92.7	83.8	69.0	60.9	53.4
-40°	410.4	400.1	380.3	249.3	138.5	97.1	89.7	78.4	65.9	58.7	51.5
-42.5°	404.4	386.0	303.0	156.1	116.0	93.3	86.3	72.7	63.3	56.5	49.5
-45°	388.9	335.5	198.8	129.7	95.9	89.7	79.7	67.2	60.7	54.1	47.4
-47.5°	346.4	220.2	138.0	103.5	91.9	85.0	72.9	64.1	57.9	51.6	45.3
-50°	220.2	140.8	109.0	93.3	87.8	77.3	66.7	60.9	55.1	49.1	43.1
-52.5°	138.0	109.0	93.7	88.7	80.0	69.3	63.1	57.6	52.1	46.4	40.8
-55°	103.5	93.3	88.7	80.9	71.1	64.4	59.4	54.2	49.0	43.7	38.4
-57.5°	91.9	87.8	80.0	71.1	64.8	60.2	55.5	50.7	45.9	41.0	36.0
-60°	85.0	77.3	69.3	64.4	60.2	56.0	51.6	47.1	42.7	38.1	33.5
-62.5°	72.9	66.7	63.1	59.4	55.5	51.6	47.6	43.5	39.4	35.2	30.9
-65°	64.1	60.9	57.6	54.2	50.7	47.1	43.5	39.8	36.0	32.1	28.2
-67.5°	57.9	55.1	52.1	49.0	45.9	42.7	39.4	36.0	32.6	29.1	25.5
-70°	51.6	49.1	46.4	43.7	41.0	38.1	35.2	32.1	29.1	26.0	22.8
-72.5°	45.3	43.1	40.8	38.4	36.0	33.5	30.9	28.2	25.5	22.8	20.0
-75°	39.0	37.1	35.1	33.0	30.9	28.7	26.5	24.3	22.0	19.6	19.3
-77.5°	32.5	30.9	29.3	27.6	25.8	24.0	22.2	20.3	19.3	19.3	19.3
-80°	26.0	24.8	23.4	22.1	20.7	19.3	19.3	19.3	19.3	19.3	19.3
-82.5°	19.5	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	17.4
-85°	19.3	19.3	19.3	19.3	19.3	19.3	17.8	16.3	14.8	13.2	11.6
-87.5°	13.0	12.4	11.7	11.1	10.4	9.6	8.9	8.2	7.4	6.6	5.8
-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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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°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
85°	10.0	8.3	6.7	5.0	3.4	1.7	0.0
82.5°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
80°	19.3	16.6	13.3	10.0	6.7	3.4	0.0
77.5°	19.3	19.3	16.6	12.5	8.3	4.2	0.0
75°	19.3	19.3	19.3	14.9	10.0	5.0	0.0
72.5°	19.3	19.3	19.3	17.4	11.6	5.8	0.0
70°	19.6	19.3	19.3	19.3	13.2	6.6	0.0
67.5°	22.0	19.3	19.3	19.3	14.8	7.4	0.0
65°	24.3	20.3	19.3	19.3	16.3	8.2	0.0
62.5°	26.5	22.2	19.3	19.3	17.8	8.9	0.0
60°	28.7	24.0	19.3	19.3	19.3	9.6	0.0
57.5°	30.9	25.8	20.7	19.3	19.3	10.4	0.0
55°	33.0	27.6	22.1	19.3	19.3	11.1	0.0
52.5°	35.1	29.3	23.4	19.3	19.3	11.7	0.0
50°	37.1	30.9	24.8	19.3	19.3	12.4	0.0
47.5°	39.0	32.5	26.0	19.5	19.3	13.0	0.0
45°	40.8	34.1	27.3	20.4	19.3	13.6	0.0
42.5°	42.5	35.5	28.4	21.3	19.3	14.2	0.0
40°	44.2	36.9	29.6	22.2	19.3	14.8	0.0
37.5°	45.8	38.3	30.6	23.0	19.3	15.3	0.0
35°	47.3	39.5	31.6	23.7	19.3	15.8	0.0
32.5°	48.7	40.7	32.6	24.4	19.3	16.3	0.0
30°	50.1	41.8	33.5	25.1	19.3	16.7	0.0
27.5°	51.3	42.8	34.3	25.7	19.3	17.1	0.0
25°	52.4	43.7	35.0	26.3	19.3	17.5	0.0
22.5°	53.5	44.6	35.7	26.8	19.3	17.8	0.0
20°	54.4	45.4	36.3	27.2	19.3	18.1	0.0
17.5°	55.2	46.0	36.9	27.6	19.3	18.4	0.0
15°	56.0	46.6	37.4	28.0	19.3	18.6	0.0
12.5°	56.6	47.1	37.8	28.3	19.3	18.8	0.0
10°	57.1	47.6	38.1	28.6	19.3	19.0	0.0
7.5°	57.5	47.9	38.4	28.7	19.3	19.1	0.0
5°	57.8	48.1	38.6	28.9	19.3	19.2	0.0
2.5°	57.9	48.3	38.7	29.0	19.3	19.3	0.0
0°	58.0	48.3	38.7	29.0	19.3	19.3	0.0
-2.5°	57.9	48.3	38.7	29.0	19.3	19.3	0.0
-5°	57.8	48.1	38.6	28.9	19.3	19.2	0.0
-7.5°	57.5	47.9	38.4	28.7	19.3	19.1	0.0
-10°	57.1	47.6	38.1	28.6	19.3	19.0	0.0
-12.5°	56.6	47.1	37.8	28.3	19.3	18.8	0.0
-15°	56.0	46.6	37.4	28.0	19.3	18.6	0.0
-17.5°	55.2	46.0	36.9	27.6	19.3	18.4	0.0
-20°	54.4	45.4	36.3	27.2	19.3	18.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.5	44.6	35.7	26.8	19.3	17.8	0.0
-25°	52.4	43.7	35.0	26.3	19.3	17.5	0.0
-27.5°	51.3	42.8	34.3	25.7	19.3	17.1	0.0
-30°	50.1	41.8	33.5	25.1	19.3	16.7	0.0
-32.5°	48.7	40.7	32.6	24.4	19.3	16.3	0.0
-35°	47.3	39.5	31.6	23.7	19.3	15.8	0.0
-37.5°	45.8	38.3	30.6	23.0	19.3	15.3	0.0
-40°	44.2	36.9	29.6	22.2	19.3	14.8	0.0
-42.5°	42.5	35.5	28.4	21.3	19.3	14.2	0.0
-45°	40.8	34.1	27.3	20.4	19.3	13.6	0.0
-47.5°	39.0	32.5	26.0	19.5	19.3	13.0	0.0
-50°	37.1	30.9	24.8	19.3	19.3	12.4	0.0
-52.5°	35.1	29.3	23.4	19.3	19.3	11.7	0.0
-55°	33.0	27.6	22.1	19.3	19.3	11.1	0.0
-57.5°	30.9	25.8	20.7	19.3	19.3	10.4	0.0
-60°	28.7	24.0	19.3	19.3	19.3	9.6	0.0
-62.5°	26.5	22.2	19.3	19.3	17.8	8.9	0.0
-65°	24.3	20.3	19.3	19.3	16.3	8.2	0.0
-67.5°	22.0	19.3	19.3	19.3	14.8	7.4	0.0
-70°	19.6	19.3	19.3	19.3	13.2	6.6	0.0
-72.5°	19.3	19.3	19.3	17.4	11.6	5.8	0.0
-75°	19.3	19.3	19.3	14.9	10.0	5.0	0.0
-77.5°	19.3	19.3	16.6	12.5	8.3	4.2	0.0
-80°	19.3	16.6	13.3	10.0	6.7	3.4	0.0
-82.5°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
-85°	10.0	8.3	6.7	5.0	3.4	1.7	0.0
-87.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)