

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: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-2R-S**

Issue Date: 8/10/2023

Test Information

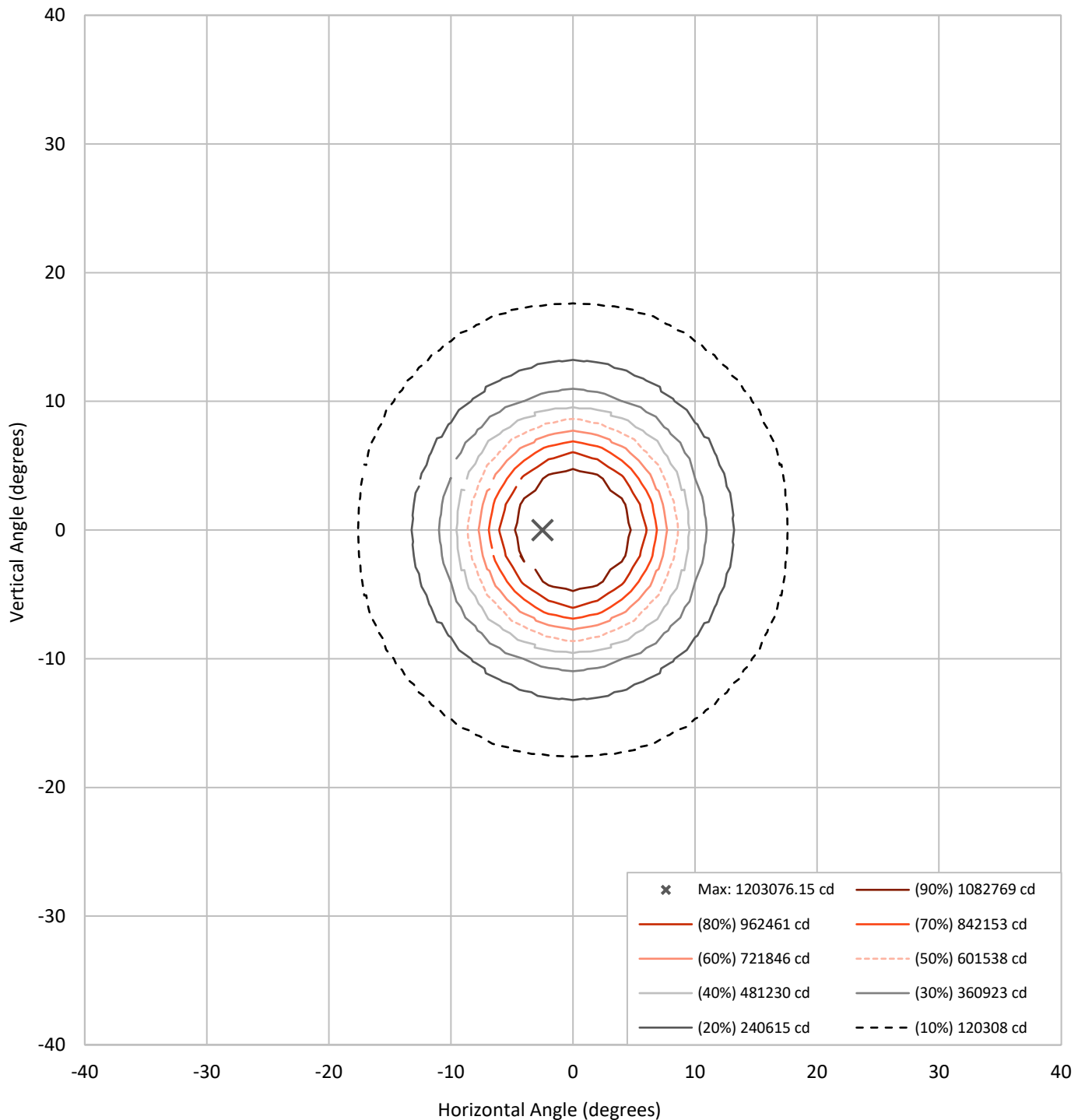
Test Method: LM-79-08
Report Number: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-15)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-70-2R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 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:	190619.6 lumens	Max Intensity:	1203076.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	153.2 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:	59489.8 lumens	Field Lumens:	121661.5 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



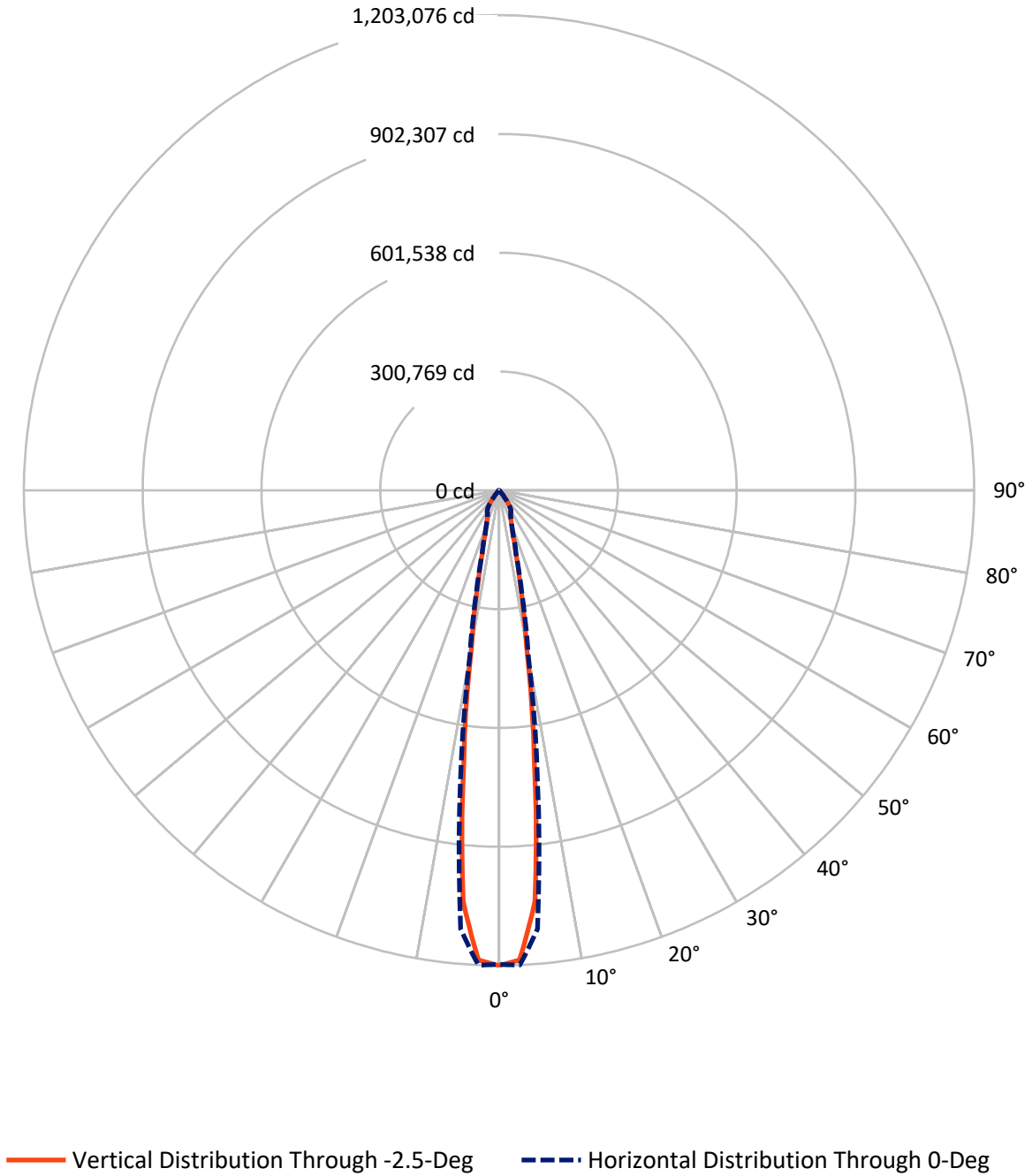
REPORT NUMBER: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.3	1.4		3.0		4.5		5.2		4.5		3.0		1.4		0.3
80	0.3	1.4		3.0		4.5		5.2		4.5		3.0		1.4		0.3
70	0.6	0.5	1.0	1.6	2.4	4.0	5.8	6.9	6.9	5.8	4.0	2.4	1.6	1.0	0.5	0.6
60		0.7	1.5	3.8	8.6	12.2	14.9	16.4	16.4	14.9	12.2	8.6	3.8	1.5	0.7	
50	0.9	1.0	3.1	8.9	13.9	22.9	50.6	89.1	89.1	50.6	22.9	13.9	8.9	3.1	1.0	0.9
40		1.3	6.1	12.0	32.0	230.2	733.6	1106.9	1106.9	733.6	230.2	32.0	12.0	6.1	1.3	
30	1.1	1.9	7.8	18.1	210.6	1082.3	1785.6	2127.9	2127.9	1785.6	1082.3	210.6	18.1	7.8	1.9	1.1
20		2.7	8.9	38.0	631.4	1677.8	2704.9	5148.3	5148.3	2704.9	1677.8	631.4	38.0	8.9	2.7	
10	1.2	3.1	9.6	65.6	922.1	1940.7	5012.8	21848.0	21848.0	5012.8	1940.7	922.1	65.6	9.6	3.1	1.2
0		3.1	9.6	65.6	922.1	1940.7	5012.8	21848.0	21848.0	5012.8	1940.7	922.1	65.6	9.6	3.1	
-10	1.1	2.7	8.9	38.0	631.4	1677.8	2704.9	5148.3	5148.3	2704.9	1677.8	631.4	38.0	8.9	2.7	1.1
-20		1.9	7.8	18.1	210.6	1082.3	1785.6	2127.9	2127.9	1785.6	1082.3	210.6	18.1	7.8	1.9	
-30	0.9	1.3	6.1	12.0	32.0	230.2	733.6	1106.9	1106.9	733.6	230.2	32.0	12.0	6.1	1.3	0.9
-40		1.0	3.1	8.9	13.9	22.9	50.6	89.1	89.1	50.6	22.9	13.9	8.9	3.1	1.0	
-50	0.6	0.7	1.5	3.8	8.6	12.2	14.9	16.4	16.4	14.9	12.2	8.6	3.8	1.5	0.7	0.6
-60		0.5	1.0	1.6	2.4	4.0	5.8	6.9	6.9	5.8	4.0	2.4	1.6	1.0	0.5	
-70	0.3	1.4		3.0		4.5		5.2		4.5		3.0		1.4		0.3
-80		1.4		3.0		4.5		5.2		4.5		3.0		1.4		
-90	0.3	1.4		3.0		4.5		5.2		4.5		3.0		1.4		0.3

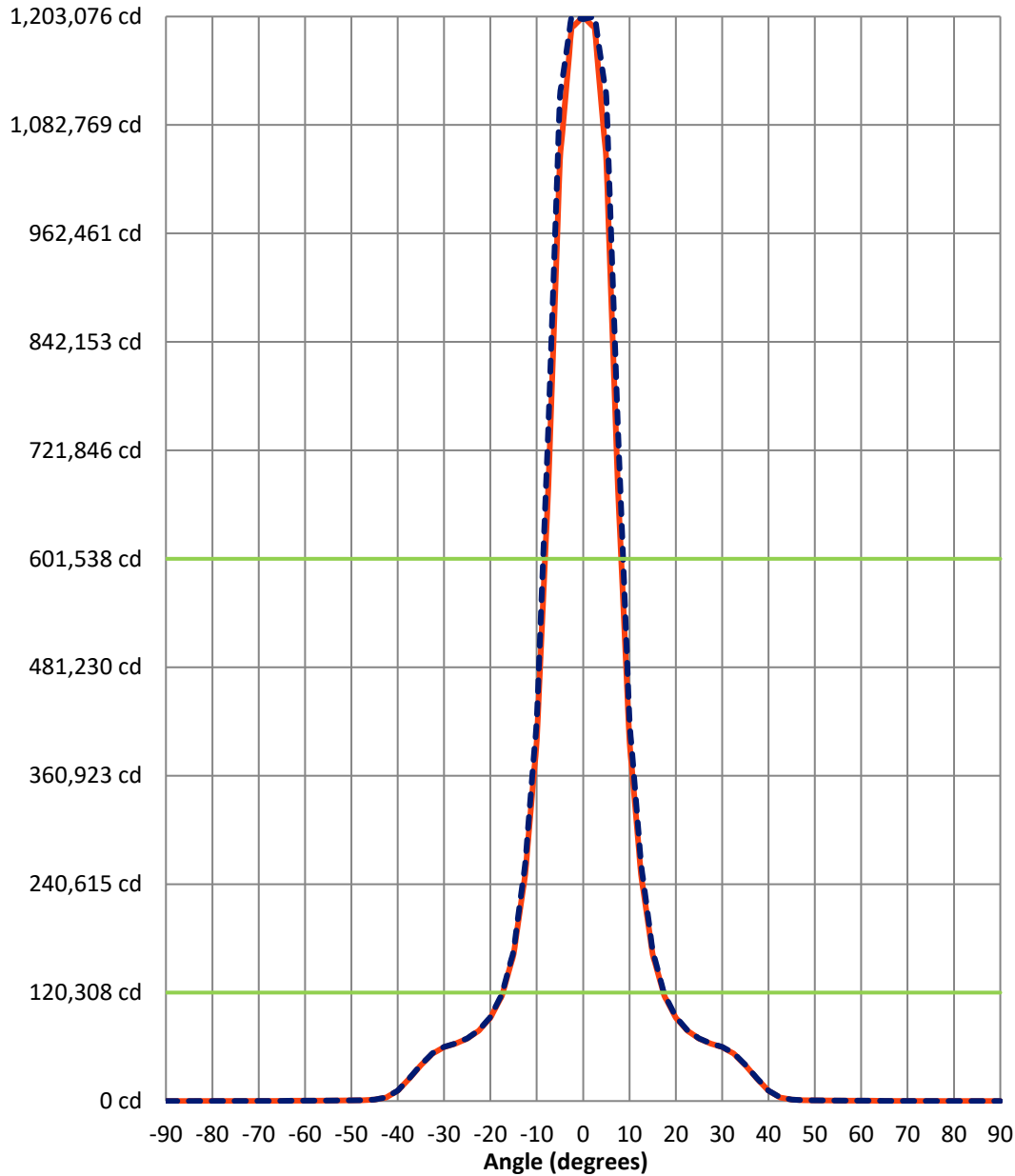
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CATALOG NUMBER: EPH-LS-16-1200R-57-70-2R-S

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 17.3°
 V Angle: 16.4°
 Lumens: 59489.8
 Efficiency: 31.2%

Field:
 H Angle: 34.8°
 V Angle: 34.6°
 Lumens: 121661.5
 Efficiency: 63.8%

Spill:
 Lumens: 68958.1
 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	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
85°	0.0	1.8	3.6	5.3	7.1	8.8	10.5	12.3	13.9	15.6	17.2
82.5°	0.0	2.7	5.3	8.0	10.6	13.2	15.8	18.4	20.4	20.4	20.4
80°	0.0	3.5	7.1	10.6	14.1	17.6	20.4	20.4	20.4	20.4	20.4
77.5°	0.0	4.4	8.8	13.2	17.6	20.4	20.4	20.4	20.4	20.4	21.4
75°	0.0	5.3	10.5	15.8	20.4	20.4	20.4	20.4	20.7	23.2	25.6
72.5°	0.0	6.1	12.3	18.4	20.4	20.4	20.4	21.2	24.1	27.0	29.8
70°	0.0	7.0	13.9	20.4	20.4	20.4	20.7	24.1	27.4	30.7	33.9
67.5°	0.0	7.8	15.6	20.4	20.4	20.4	23.2	27.0	30.7	34.4	38.0
65°	0.0	8.6	17.2	20.4	20.4	21.4	25.6	29.8	33.9	38.0	42.1
62.5°	0.0	9.4	18.8	20.4	20.4	23.4	28.0	32.6	37.1	41.6	46.0
60°	0.0	10.2	20.4	20.4	20.4	25.3	30.3	35.3	40.3	45.1	49.9
57.5°	0.0	11.0	20.4	20.4	21.8	27.2	32.6	38.0	43.3	48.5	53.6
55°	0.0	11.7	20.4	20.4	23.3	29.1	34.9	40.6	46.3	51.8	57.3
52.5°	0.0	12.4	20.4	20.4	24.8	30.9	37.0	43.1	49.1	55.1	60.9
50°	0.0	13.1	20.4	20.4	26.1	32.6	39.2	45.6	51.9	58.2	64.4
47.5°	0.0	13.8	20.4	20.6	27.5	34.3	41.2	47.9	54.6	61.2	67.8
45°	0.0	14.4	20.4	21.6	28.8	36.0	43.1	50.2	57.2	64.2	71.0
42.5°	0.0	15.0	20.4	22.5	30.0	37.5	45.0	52.4	59.7	67.0	76.8
40°	0.0	15.6	20.4	23.4	31.2	39.0	46.8	54.4	62.1	69.7	82.8
37.5°	0.0	16.2	20.4	24.3	32.3	40.4	48.4	56.4	64.3	72.9	88.6
35°	0.0	16.7	20.4	25.0	33.4	41.8	50.0	58.3	66.5	77.8	92.9
32.5°	0.0	17.2	20.4	25.8	34.4	43.0	51.5	60.0	68.5	82.3	95.5
30°	0.0	17.7	20.4	26.5	35.3	44.2	52.9	61.7	70.4	86.6	98.0
27.5°	0.0	18.1	20.4	27.1	36.2	45.3	54.3	63.2	72.8	90.6	100.2
25°	0.0	18.5	20.4	27.7	37.0	46.3	55.5	64.6	76.1	93.1	102.7
22.5°	0.0	18.8	20.4	28.3	37.7	47.2	56.5	65.9	79.0	94.8	114.0
20°	0.0	19.2	20.4	28.7	38.4	48.0	57.5	67.1	81.7	96.3	124.2
17.5°	0.0	19.5	20.4	29.2	39.0	48.7	58.4	68.1	84.0	97.7	133.3
15°	0.0	19.7	20.4	29.6	39.5	49.3	59.2	69.0	86.1	98.9	141.3
12.5°	0.0	19.9	20.4	29.9	39.9	49.9	59.8	69.8	87.9	99.9	148.0
10°	0.0	20.1	20.4	30.1	40.3	50.3	60.3	70.4	89.3	100.7	153.6
7.5°	0.0	20.2	20.4	30.3	40.5	50.7	60.8	70.9	90.4	101.4	157.9
5°	0.0	20.3	20.4	30.5	40.7	50.9	61.1	71.2	91.3	101.8	161.0
2.5°	0.0	20.4	20.4	30.6	40.9	51.1	61.2	71.4	91.7	102.1	162.9
0°	0.0	20.4	20.4	30.6	40.9	51.1	61.3	71.5	91.9	102.2	163.5
-2.5°	0.0	20.4	20.4	30.6	40.9	51.1	61.2	71.4	91.7	102.1	162.9
-5°	0.0	20.3	20.4	30.5	40.7	50.9	61.1	71.2	91.3	101.8	161.0
-7.5°	0.0	20.2	20.4	30.3	40.5	50.7	60.8	70.9	90.4	101.4	157.9
-10°	0.0	20.1	20.4	30.1	40.3	50.3	60.3	70.4	89.3	100.7	153.6
-12.5°	0.0	19.9	20.4	29.9	39.9	49.9	59.8	69.8	87.9	99.9	148.0
-15°	0.0	19.7	20.4	29.6	39.5	49.3	59.2	69.0	86.1	98.9	141.3
-17.5°	0.0	19.5	20.4	29.2	39.0	48.7	58.4	68.1	84.0	97.7	133.3
-20°	0.0	19.2	20.4	28.7	38.4	48.0	57.5	67.1	81.7	96.3	124.2



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 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.8	20.4	28.3	37.7	47.2	56.5	65.9	79.0	94.8	114.0
-25°	0.0	18.5	20.4	27.7	37.0	46.3	55.5	64.6	76.1	93.1	102.7
-27.5°	0.0	18.1	20.4	27.1	36.2	45.3	54.3	63.2	72.8	90.6	100.2
-30°	0.0	17.7	20.4	26.5	35.3	44.2	52.9	61.7	70.4	86.6	98.0
-32.5°	0.0	17.2	20.4	25.8	34.4	43.0	51.5	60.0	68.5	82.3	95.5
-35°	0.0	16.7	20.4	25.0	33.4	41.8	50.0	58.3	66.5	77.8	92.9
-37.5°	0.0	16.2	20.4	24.3	32.3	40.4	48.4	56.4	64.3	72.9	88.6
-40°	0.0	15.6	20.4	23.4	31.2	39.0	46.8	54.4	62.1	69.7	82.8
-42.5°	0.0	15.0	20.4	22.5	30.0	37.5	45.0	52.4	59.7	67.0	76.8
-45°	0.0	14.4	20.4	21.6	28.8	36.0	43.1	50.2	57.2	64.2	71.0
-47.5°	0.0	13.8	20.4	20.6	27.5	34.3	41.2	47.9	54.6	61.2	67.8
-50°	0.0	13.1	20.4	20.4	26.1	32.6	39.2	45.6	51.9	58.2	64.4
-52.5°	0.0	12.4	20.4	20.4	24.8	30.9	37.0	43.1	49.1	55.1	60.9
-55°	0.0	11.7	20.4	20.4	23.3	29.1	34.9	40.6	46.3	51.8	57.3
-57.5°	0.0	11.0	20.4	20.4	21.8	27.2	32.6	38.0	43.3	48.5	53.6
-60°	0.0	10.2	20.4	20.4	20.4	25.3	30.3	35.3	40.3	45.1	49.9
-62.5°	0.0	9.4	18.8	20.4	20.4	23.4	28.0	32.6	37.1	41.6	46.0
-65°	0.0	8.6	17.2	20.4	20.4	21.4	25.6	29.8	33.9	38.0	42.1
-67.5°	0.0	7.8	15.6	20.4	20.4	20.4	23.2	27.0	30.7	34.4	38.0
-70°	0.0	7.0	13.9	20.4	20.4	20.4	20.7	24.1	27.4	30.7	33.9
-72.5°	0.0	6.1	12.3	18.4	20.4	20.4	20.4	21.2	24.1	27.0	29.8
-75°	0.0	5.3	10.5	15.8	20.4	20.4	20.4	20.4	20.7	23.2	25.6
-77.5°	0.0	4.4	8.8	13.2	17.6	20.4	20.4	20.4	20.4	20.4	21.4
-80°	0.0	3.5	7.1	10.6	14.1	17.6	20.4	20.4	20.4	20.4	20.4
-82.5°	0.0	2.7	5.3	8.0	10.6	13.2	15.8	18.4	20.4	20.4	20.4
-85°	0.0	1.8	3.6	5.3	7.1	8.8	10.5	12.3	13.9	15.6	17.2
-87.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
-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-57-70-2R-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°	9.4	10.2	11.0	11.7	12.4	13.1	13.8	14.4	15.0	15.6	16.2
85°	18.8	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
82.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.6	21.6	22.5	23.4	24.3
80°	20.4	20.4	21.8	23.3	24.8	26.1	27.5	28.8	30.0	31.2	32.3
77.5°	23.4	25.3	27.2	29.1	30.9	32.6	34.3	36.0	37.5	39.0	40.4
75°	28.0	30.3	32.6	34.9	37.0	39.2	41.2	43.1	45.0	46.8	48.4
72.5°	32.6	35.3	38.0	40.6	43.1	45.6	47.9	50.2	52.4	54.4	56.4
70°	37.1	40.3	43.3	46.3	49.1	51.9	54.6	57.2	59.7	62.1	64.3
67.5°	41.6	45.1	48.5	51.8	55.1	58.2	61.2	64.2	67.0	69.7	72.9
65°	46.0	49.9	53.6	57.3	60.9	64.4	67.8	71.0	76.8	82.8	88.6
62.5°	50.3	54.6	58.7	62.8	66.7	70.5	77.0	84.2	91.1	94.8	98.0
60°	54.6	59.2	63.7	68.1	73.3	81.7	89.8	94.8	98.6	102.7	123.5
57.5°	58.7	63.7	68.6	75.2	84.5	92.7	97.2	101.5	122.7	146.5	185.2
55°	62.8	68.1	75.2	85.4	93.7	98.6	109.5	137.2	165.1	263.5	357.8
52.5°	66.7	73.3	84.5	93.7	99.1	115.3	146.0	210.2	320.3	402.0	415.3
50°	70.5	81.7	92.7	98.6	115.3	148.9	232.9	354.6	408.1	422.9	431.8
47.5°	77.0	89.8	97.2	109.5	146.0	232.9	366.1	411.1	427.6	433.9	438.9
45°	84.2	94.8	101.5	137.2	210.2	354.6	411.1	429.1	434.9	449.0	492.4
42.5°	91.1	98.6	122.7	165.1	320.3	408.1	427.6	434.9	453.3	501.0	560.1
40°	94.8	102.7	146.5	263.5	402.0	422.9	433.9	449.0	501.0	566.7	640.0
37.5°	98.0	123.5	185.2	357.8	415.3	431.8	438.9	492.4	560.1	640.0	711.3
35°	101.1	143.3	268.0	404.8	428.0	436.3	475.3	540.4	626.6	705.0	784.3
32.5°	112.5	162.1	346.4	416.0	432.7	450.0	512.4	600.0	686.3	769.1	862.1
30°	128.5	225.4	401.2	426.4	436.5	482.6	560.6	655.3	741.6	838.9	1156.7
27.5°	143.3	288.3	410.2	431.5	445.3	513.2	610.1	704.1	800.7	979.4	1552.8
25°	157.1	346.4	418.6	434.5	471.5	551.9	655.1	749.5	858.4	1327.1	2561.8
22.5°	187.2	398.6	426.2	437.3	495.6	591.2	694.0	797.9	1018.3	1682.9	3667.7
20°	230.7	404.8	430.4	443.0	517.5	626.9	729.4	843.2	1292.5	2626.5	6145.8
17.5°	269.5	410.4	432.5	461.0	545.1	657.5	762.1	883.8	1539.3	3477.8	9073.7
15°	303.3	415.3	434.3	476.7	570.8	683.2	795.1	1061.7	2025.5	4701.6	11730.3
12.5°	332.2	419.5	435.8	490.1	592.8	705.2	823.3	1234.1	2622.9	6766.9	15785.3
10°	355.9	422.9	437.0	501.2	611.0	723.3	846.7	1376.9	3118.4	8482.9	19162.1
7.5°	374.5	425.6	438.0	509.8	625.2	737.6	865.0	1489.0	3508.1	9834.6	21827.1
5°	387.7	427.6	438.7	516.0	635.4	747.8	878.2	1569.7	3788.9	10809.6	23752.1
2.5°	395.7	428.7	439.2	519.8	641.5	753.9	886.1	1618.3	3958.3	11398.4	24915.9
0°	398.4	429.1	439.3	521.0	643.6	756.0	888.8	1634.6	4014.9	11595.3	25305.3
-2.5°	395.7	428.7	439.2	519.8	641.5	753.9	886.1	1618.3	3958.3	11398.4	24915.9
-5°	387.7	427.6	438.7	516.0	635.4	747.8	878.2	1569.7	3788.9	10809.6	23752.1
-7.5°	374.5	425.6	438.0	509.8	625.2	737.6	865.0	1489.0	3508.1	9834.6	21827.1
-10°	355.9	422.9	437.0	501.2	611.0	723.3	846.7	1376.9	3118.4	8482.9	19162.1
-12.5°	332.2	419.5	435.8	490.1	592.8	705.2	823.3	1234.1	2622.9	6766.9	15785.3
-15°	303.3	415.3	434.3	476.7	570.8	683.2	795.1	1061.7	2025.5	4701.6	11730.3
-17.5°	269.5	410.4	432.5	461.0	545.1	657.5	762.1	883.8	1539.3	3477.8	9073.7
-20°	230.7	404.8	430.4	443.0	517.5	626.9	729.4	843.2	1292.5	2626.5	6145.8



REPORT NUMBER: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	187.2	398.6	426.2	437.3	495.6	591.2	694.0	797.9	1018.3	1682.9	3667.7
-25°	157.1	346.4	418.6	434.5	471.5	551.9	655.1	749.5	858.4	1327.1	2561.8
-27.5°	143.3	288.3	410.2	431.5	445.3	513.2	610.1	704.1	800.7	979.4	1552.8
-30°	128.5	225.4	401.2	426.4	436.5	482.6	560.6	655.3	741.6	838.9	1156.7
-32.5°	112.5	162.1	346.4	416.0	432.7	450.0	512.4	600.0	686.3	769.1	862.1
-35°	101.1	143.3	268.0	404.8	428.0	436.3	475.3	540.4	626.6	705.0	784.3
-37.5°	98.0	123.5	185.2	357.8	415.3	431.8	438.9	492.4	560.1	640.0	711.3
-40°	94.8	102.7	146.5	263.5	402.0	422.9	433.9	449.0	501.0	566.7	640.0
-42.5°	91.1	98.6	122.7	165.1	320.3	408.1	427.6	434.9	453.3	501.0	560.1
-45°	84.2	94.8	101.5	137.2	210.2	354.6	411.1	429.1	434.9	449.0	492.4
-47.5°	77.0	89.8	97.2	109.5	146.0	232.9	366.1	411.1	427.6	433.9	438.9
-50°	70.5	81.7	92.7	98.6	115.3	148.9	232.9	354.6	408.1	422.9	431.8
-52.5°	66.7	73.3	84.5	93.7	99.1	115.3	146.0	210.2	320.3	402.0	415.3
-55°	62.8	68.1	75.2	85.4	93.7	98.6	109.5	137.2	165.1	263.5	357.8
-57.5°	58.7	63.7	68.6	75.2	84.5	92.7	97.2	101.5	122.7	146.5	185.2
-60°	54.6	59.2	63.7	68.1	73.3	81.7	89.8	94.8	98.6	102.7	123.5
-62.5°	50.3	54.6	58.7	62.8	66.7	70.5	77.0	84.2	91.1	94.8	98.0
-65°	46.0	49.9	53.6	57.3	60.9	64.4	67.8	71.0	76.8	82.8	88.6
-67.5°	41.6	45.1	48.5	51.8	55.1	58.2	61.2	64.2	67.0	69.7	72.9
-70°	37.1	40.3	43.3	46.3	49.1	51.9	54.6	57.2	59.7	62.1	64.3
-72.5°	32.6	35.3	38.0	40.6	43.1	45.6	47.9	50.2	52.4	54.4	56.4
-75°	28.0	30.3	32.6	34.9	37.0	39.2	41.2	43.1	45.0	46.8	48.4
-77.5°	23.4	25.3	27.2	29.1	30.9	32.6	34.3	36.0	37.5	39.0	40.4
-80°	20.4	20.4	21.8	23.3	24.8	26.1	27.5	28.8	30.0	31.2	32.3
-82.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.6	21.6	22.5	23.4	24.3
-85°	18.8	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
-87.5°	9.4	10.2	11.0	11.7	12.4	13.1	13.8	14.4	15.0	15.6	16.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2R-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°	16.7	17.2	17.7	18.1	18.5	18.8	19.2	19.5	19.7	19.9	20.1
85°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
82.5°	25.0	25.8	26.5	27.1	27.7	28.3	28.7	29.2	29.6	29.9	30.1
80°	33.4	34.4	35.3	36.2	37.0	37.7	38.4	39.0	39.5	39.9	40.3
77.5°	41.8	43.0	44.2	45.3	46.3	47.2	48.0	48.7	49.3	49.9	50.3
75°	50.0	51.5	52.9	54.3	55.5	56.5	57.5	58.4	59.2	59.8	60.3
72.5°	58.3	60.0	61.7	63.2	64.6	65.9	67.1	68.1	69.0	69.8	70.4
70°	66.5	68.5	70.4	72.8	76.1	79.0	81.7	84.0	86.1	87.9	89.3
67.5°	77.8	82.3	86.6	90.6	93.1	94.8	96.3	97.7	98.9	99.9	100.7
65°	92.9	95.5	98.0	100.2	102.7	114.0	124.2	133.3	141.3	148.0	153.6
62.5°	101.1	112.5	128.5	143.3	157.1	187.2	230.7	269.5	303.3	332.2	355.9
60°	143.3	162.1	225.4	288.3	346.4	398.6	404.8	410.4	415.3	419.5	422.9
57.5°	268.0	346.4	401.2	410.2	418.6	426.2	430.4	432.5	434.3	435.8	437.0
55°	404.8	416.0	426.4	431.5	434.5	437.3	443.0	461.0	476.7	490.1	501.2
52.5°	428.0	432.7	436.5	445.3	471.5	495.6	517.5	545.1	570.8	592.8	611.0
50°	436.3	450.0	482.6	513.2	551.9	591.2	626.9	657.5	683.2	705.2	723.3
47.5°	475.3	512.4	560.6	610.1	655.1	694.0	729.4	762.1	795.1	823.3	846.7
45°	540.4	600.0	655.3	704.1	749.5	797.9	843.2	883.8	1061.7	1234.1	1376.9
42.5°	626.6	686.3	741.6	800.7	858.4	1018.3	1292.5	1539.3	2025.5	2622.9	3118.4
40°	705.0	769.1	838.9	979.4	1327.1	1682.9	2626.5	3477.8	4701.6	6766.9	8482.9
37.5°	784.3	862.1	1156.7	1552.8	2561.8	3667.7	6145.8	9073.7	11730.3	15785.3	19162.1
35°	869.9	1246.4	1812.3	3159.7	5338.7	9117.1	13413.5	19131.3	24217.0	28908.7	32904.5
32.5°	1246.4	1959.8	3462.5	6822.2	11144.0	18103.0	24880.0	31550.4	37537.9	42384.6	46130.8
30°	1812.3	3462.5	7321.1	12638.3	20973.5	29118.2	37034.6	43703.8	49284.1	53638.1	55899.9
27.5°	3159.7	6822.2	12638.3	21940.2	31290.9	40373.9	47685.2	53777.9	57123.3	60057.8	61417.9
25°	5338.7	11144.0	20973.5	31290.9	41350.2	49714.5	55522.7	59533.0	61762.9	63515.4	65492.4
22.5°	9117.1	18103.0	29118.2	40373.9	49714.5	56112.6	60450.5	62816.8	65452.5	68246.8	71287.1
20°	13413.5	24880.0	37034.6	47685.2	55522.7	60450.5	63174.2	66546.6	70218.0	75118.0	79891.4
17.5°	19131.3	31550.4	43703.8	53777.9	59533.0	62816.8	66546.6	71154.6	77104.1	85089.5	92874.0
15°	24217.0	37537.9	49284.1	57123.3	61762.9	65452.5	70218.0	77104.1	86872.4	99112.5	114094.3
12.5°	28908.7	42384.6	53638.1	60057.8	63515.4	68246.8	75118.0	85089.5	99112.5	117733.1	148397.3
10°	32904.5	46130.8	55899.9	61417.9	65492.4	71287.1	79891.4	92874.0	114094.3	148397.3	193691.4
7.5°	36065.2	49102.1	57699.9	62500.2	67233.4	74375.9	85596.2	103600.5	133553.5	180423.0	264364.8
5°	38352.3	51257.0	59008.9	63290.0	68509.6	76653.0	89834.6	111903.3	151555.8	219832.1	337031.2
2.5°	39736.8	52563.4	59804.1	63771.0	69289.1	78050.0	92449.9	117068.7	162890.5	251161.4	400028.4
0°	40200.4	53001.2	60070.8	63932.5	69551.4	78521.1	93334.5	118823.7	166768.0	263228.6	423264.2
-2.5°	39736.8	52563.4	59804.1	63771.0	69289.1	78050.0	92449.9	117068.7	162890.5	251161.4	400028.4
-5°	38352.3	51257.0	59008.9	63290.0	68509.6	76653.0	89834.6	111903.3	151555.8	219832.1	337031.2
-7.5°	36065.2	49102.1	57699.9	62500.2	67233.4	74375.9	85596.2	103600.5	133553.5	180423.0	264364.8
-10°	32904.5	46130.8	55899.9	61417.9	65492.4	71287.1	79891.4	92874.0	114094.3	148397.3	193691.4
-12.5°	28908.7	42384.6	53638.1	60057.8	63515.4	68246.8	75118.0	85089.5	99112.5	117733.1	148397.3
-15°	24217.0	37537.9	49284.1	57123.3	61762.9	65452.5	70218.0	77104.1	86872.4	99112.5	114094.3
-17.5°	19131.3	31550.4	43703.8	53777.9	59533.0	62816.8	66546.6	71154.6	77104.1	85089.5	92874.0
-20°	13413.5	24880.0	37034.6	47685.2	55522.7	60450.5	63174.2	66546.6	70218.0	75118.0	79891.4



REPORT NUMBER: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9117.1	18103.0	29118.2	40373.9	49714.5	56112.6	60450.5	62816.8	65452.5	68246.8	71287.1
-25°	5338.7	11144.0	20973.5	31290.9	41350.2	49714.5	55522.7	59533.0	61762.9	63515.4	65492.4
-27.5°	3159.7	6822.2	12638.3	21940.2	31290.9	40373.9	47685.2	53777.9	57123.3	60057.8	61417.9
-30°	1812.3	3462.5	7321.1	12638.3	20973.5	29118.2	37034.6	43703.8	49284.1	53638.1	55899.9
-32.5°	1246.4	1959.8	3462.5	6822.2	11144.0	18103.0	24880.0	31550.4	37537.9	42384.6	46130.8
-35°	869.9	1246.4	1812.3	3159.7	5338.7	9117.1	13413.5	19131.3	24217.0	28908.7	32904.5
-37.5°	784.3	862.1	1156.7	1552.8	2561.8	3667.7	6145.8	9073.7	11730.3	15785.3	19162.1
-40°	705.0	769.1	838.9	979.4	1327.1	1682.9	2626.5	3477.8	4701.6	6766.9	8482.9
-42.5°	626.6	686.3	741.6	800.7	858.4	1018.3	1292.5	1539.3	2025.5	2622.9	3118.4
-45°	540.4	600.0	655.3	704.1	749.5	797.9	843.2	883.8	1061.7	1234.1	1376.9
-47.5°	475.3	512.4	560.6	610.1	655.1	694.0	729.4	762.1	795.1	823.3	846.7
-50°	436.3	450.0	482.6	513.2	551.9	591.2	626.9	657.5	683.2	705.2	723.3
-52.5°	428.0	432.7	436.5	445.3	471.5	495.6	517.5	545.1	570.8	592.8	611.0
-55°	404.8	416.0	426.4	431.5	434.5	437.3	443.0	461.0	476.7	490.1	501.2
-57.5°	268.0	346.4	401.2	410.2	418.6	426.2	430.4	432.5	434.3	435.8	437.0
-60°	143.3	162.1	225.4	288.3	346.4	398.6	404.8	410.4	415.3	419.5	422.9
-62.5°	101.1	112.5	128.5	143.3	157.1	187.2	230.7	269.5	303.3	332.2	355.9
-65°	92.9	95.5	98.0	100.2	102.7	114.0	124.2	133.3	141.3	148.0	153.6
-67.5°	77.8	82.3	86.6	90.6	93.1	94.8	96.3	97.7	98.9	99.9	100.7
-70°	66.5	68.5	70.4	72.8	76.1	79.0	81.7	84.0	86.1	87.9	89.3
-72.5°	58.3	60.0	61.7	63.2	64.6	65.9	67.1	68.1	69.0	69.8	70.4
-75°	50.0	51.5	52.9	54.3	55.5	56.5	57.5	58.4	59.2	59.8	60.3
-77.5°	41.8	43.0	44.2	45.3	46.3	47.2	48.0	48.7	49.3	49.9	50.3
-80°	33.4	34.4	35.3	36.2	37.0	37.7	38.4	39.0	39.5	39.9	40.3
-82.5°	25.0	25.8	26.5	27.1	27.7	28.3	28.7	29.2	29.6	29.9	30.1
-85°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
-87.5°	16.7	17.2	17.7	18.1	18.5	18.8	19.2	19.5	19.7	19.9	20.1
-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: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2R-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°	20.2	20.3	20.4	20.4	20.4	20.3	20.2	20.1	19.9	19.7	19.5
85°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
82.5°	30.3	30.5	30.6	30.6	30.6	30.5	30.3	30.1	29.9	29.6	29.2
80°	40.5	40.7	40.9	40.9	40.9	40.7	40.5	40.3	39.9	39.5	39.0
77.5°	50.7	50.9	51.1	51.1	51.1	50.9	50.7	50.3	49.9	49.3	48.7
75°	60.8	61.1	61.2	61.3	61.2	61.1	60.8	60.3	59.8	59.2	58.4
72.5°	70.9	71.2	71.4	71.5	71.4	71.2	70.9	70.4	69.8	69.0	68.1
70°	90.4	91.3	91.7	91.9	91.7	91.3	90.4	89.3	87.9	86.1	84.0
67.5°	101.4	101.8	102.1	102.2	102.1	101.8	101.4	100.7	99.9	98.9	97.7
65°	157.9	161.0	162.9	163.5	162.9	161.0	157.9	153.6	148.0	141.3	133.3
62.5°	374.5	387.7	395.7	398.4	395.7	387.7	374.5	355.9	332.2	303.3	269.5
60°	425.6	427.6	428.7	429.1	428.7	427.6	425.6	422.9	419.5	415.3	410.4
57.5°	438.0	438.7	439.2	439.3	439.2	438.7	438.0	437.0	435.8	434.3	432.5
55°	509.8	516.0	519.8	521.0	519.8	516.0	509.8	501.2	490.1	476.7	461.0
52.5°	625.2	635.4	641.5	643.6	641.5	635.4	625.2	611.0	592.8	570.8	545.1
50°	737.6	747.8	753.9	756.0	753.9	747.8	737.6	723.3	705.2	683.2	657.5
47.5°	865.0	878.2	886.1	888.8	886.1	878.2	865.0	846.7	823.3	795.1	762.1
45°	1489.0	1569.7	1618.3	1634.6	1618.3	1569.7	1489.0	1376.9	1234.1	1061.7	883.8
42.5°	3508.1	3788.9	3958.3	4014.9	3958.3	3788.9	3508.1	3118.4	2622.9	2025.5	1539.3
40°	9834.6	10809.6	11398.4	11595.3	11398.4	10809.6	9834.6	8482.9	6766.9	4701.6	3477.8
37.5°	21827.1	23752.1	24915.9	25305.3	24915.9	23752.1	21827.1	19162.1	15785.3	11730.3	9073.7
35°	36065.2	38352.3	39736.8	40200.4	39736.8	38352.3	36065.2	32904.5	28908.7	24217.0	19131.3
32.5°	49102.1	51257.0	52563.4	53001.2	52563.4	51257.0	49102.1	46130.8	42384.6	37537.9	31550.4
30°	57699.9	59008.9	59804.1	60070.8	59804.1	59008.9	57699.9	55899.9	53638.1	49284.1	43703.8
27.5°	62500.2	63290.0	63771.0	63932.5	63771.0	63290.0	62500.2	61417.9	60057.8	57123.3	53777.9
25°	67233.4	68509.6	69289.1	69551.4	69289.1	68509.6	67233.4	65492.4	63515.4	61762.9	59533.0
22.5°	74375.9	76653.0	78050.0	78521.1	78050.0	76653.0	74375.9	71287.1	68246.8	65452.5	62816.8
20°	85596.2	89834.6	92449.9	93334.5	92449.9	89834.6	85596.2	79891.4	75118.0	70218.0	66546.6
17.5°	103600.5	111903.3	117068.7	118823.7	117068.7	111903.3	103600.5	92874.0	85089.5	77104.1	71154.6
15°	133553.5	151555.8	162890.5	166768.0	162890.5	151555.8	133553.5	114094.3	99112.5	86872.4	77104.1
12.5°	180423.0	219832.1	251161.4	263228.6	251161.4	219832.1	180423.0	148397.3	117733.1	99112.5	85089.5
10°	264364.8	337031.2	400028.4	423264.2	400028.4	337031.2	264364.8	193691.4	148397.3	114094.3	92874.0
7.5°	378161.2	526575.4	681978.0	748520.0	681978.0	526575.4	378161.2	264364.8	180423.0	133553.5	103600.5
5°	526575.4	820008.9	#####	#####	#####	820008.9	526575.4	337031.2	219832.1	151555.8	111903.3
2.5°	681978.0	#####	#####	#####	#####	681978.0	400028.4	251161.4	162890.5	117068.7	#####
0°	748520.0	#####	#####	#####	#####	748520.0	423264.2	263228.6	166768.0	118823.7	#####
-2.5°	681978.0	#####	#####	#####	#####	681978.0	400028.4	251161.4	162890.5	117068.7	#####
-5°	526575.4	820008.9	#####	#####	#####	820008.9	526575.4	337031.2	219832.1	151555.8	111903.3
-7.5°	378161.2	526575.4	681978.0	748520.0	681978.0	526575.4	378161.2	264364.8	180423.0	133553.5	103600.5
-10°	264364.8	337031.2	400028.4	423264.2	400028.4	337031.2	264364.8	193691.4	148397.3	114094.3	92874.0
-12.5°	180423.0	219832.1	251161.4	263228.6	251161.4	219832.1	180423.0	148397.3	117733.1	99112.5	85089.5
-15°	133553.5	151555.8	162890.5	166768.0	162890.5	151555.8	133553.5	114094.3	99112.5	86872.4	77104.1
-17.5°	103600.5	111903.3	117068.7	118823.7	117068.7	111903.3	103600.5	92874.0	85089.5	77104.1	71154.6
-20°	85596.2	89834.6	92449.9	93334.5	92449.9	89834.6	85596.2	79891.4	75118.0	70218.0	66546.6



REPORT NUMBER: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	74375.9	76653.0	78050.0	78521.1	78050.0	76653.0	74375.9	71287.1	68246.8	65452.5	62816.8
-25°	67233.4	68509.6	69289.1	69551.4	69289.1	68509.6	67233.4	65492.4	63515.4	61762.9	59533.0
-27.5°	62500.2	63290.0	63771.0	63932.5	63771.0	63290.0	62500.2	61417.9	60057.8	57123.3	53777.9
-30°	57699.9	59008.9	59804.1	60070.8	59804.1	59008.9	57699.9	55899.9	53638.1	49284.1	43703.8
-32.5°	49102.1	51257.0	52563.4	53001.2	52563.4	51257.0	49102.1	46130.8	42384.6	37537.9	31550.4
-35°	36065.2	38352.3	39736.8	40200.4	39736.8	38352.3	36065.2	32904.5	28908.7	24217.0	19131.3
-37.5°	21827.1	23752.1	24915.9	25305.3	24915.9	23752.1	21827.1	19162.1	15785.3	11730.3	9073.7
-40°	9834.6	10809.6	11398.4	11595.3	11398.4	10809.6	9834.6	8482.9	6766.9	4701.6	3477.8
-42.5°	3508.1	3788.9	3958.3	4014.9	3958.3	3788.9	3508.1	3118.4	2622.9	2025.5	1539.3
-45°	1489.0	1569.7	1618.3	1634.6	1618.3	1569.7	1489.0	1376.9	1234.1	1061.7	883.8
-47.5°	865.0	878.2	886.1	888.8	886.1	878.2	865.0	846.7	823.3	795.1	762.1
-50°	737.6	747.8	753.9	756.0	753.9	747.8	737.6	723.3	705.2	683.2	657.5
-52.5°	625.2	635.4	641.5	643.6	641.5	635.4	625.2	611.0	592.8	570.8	545.1
-55°	509.8	516.0	519.8	521.0	519.8	516.0	509.8	501.2	490.1	476.7	461.0
-57.5°	438.0	438.7	439.2	439.3	439.2	438.7	438.0	437.0	435.8	434.3	432.5
-60°	425.6	427.6	428.7	429.1	428.7	427.6	425.6	422.9	419.5	415.3	410.4
-62.5°	374.5	387.7	395.7	398.4	395.7	387.7	374.5	355.9	332.2	303.3	269.5
-65°	157.9	161.0	162.9	163.5	162.9	161.0	157.9	153.6	148.0	141.3	133.3
-67.5°	101.4	101.8	102.1	102.2	102.1	101.8	101.4	100.7	99.9	98.9	97.7
-70°	90.4	91.3	91.7	91.9	91.7	91.3	90.4	89.3	87.9	86.1	84.0
-72.5°	70.9	71.2	71.4	71.5	71.4	71.2	70.9	70.4	69.8	69.0	68.1
-75°	60.8	61.1	61.2	61.3	61.2	61.1	60.8	60.3	59.8	59.2	58.4
-77.5°	50.7	50.9	51.1	51.1	51.1	50.9	50.7	50.3	49.9	49.3	48.7
-80°	40.5	40.7	40.9	40.9	40.9	40.7	40.5	40.3	39.9	39.5	39.0
-82.5°	30.3	30.5	30.6	30.6	30.6	30.5	30.3	30.1	29.9	29.6	29.2
-85°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
-87.5°	20.2	20.3	20.4	20.4	20.4	20.3	20.2	20.1	19.9	19.7	19.5
-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):

	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°	19.2	18.8	18.5	18.1	17.7	17.2	16.7	16.2	15.6	15.0	14.4
85°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
82.5°	28.7	28.3	27.7	27.1	26.5	25.8	25.0	24.3	23.4	22.5	21.6
80°	38.4	37.7	37.0	36.2	35.3	34.4	33.4	32.3	31.2	30.0	28.8
77.5°	48.0	47.2	46.3	45.3	44.2	43.0	41.8	40.4	39.0	37.5	36.0
75°	57.5	56.5	55.5	54.3	52.9	51.5	50.0	48.4	46.8	45.0	43.1
72.5°	67.1	65.9	64.6	63.2	61.7	60.0	58.3	56.4	54.4	52.4	50.2
70°	81.7	79.0	76.1	72.8	70.4	68.5	66.5	64.3	62.1	59.7	57.2
67.5°	96.3	94.8	93.1	90.6	86.6	82.3	77.8	72.9	69.7	67.0	64.2
65°	124.2	114.0	102.7	100.2	98.0	95.5	92.9	88.6	82.8	76.8	71.0
62.5°	230.7	187.2	157.1	143.3	128.5	112.5	101.1	98.0	94.8	91.1	84.2
60°	404.8	398.6	346.4	288.3	225.4	162.1	143.3	123.5	102.7	98.6	94.8
57.5°	430.4	426.2	418.6	410.2	401.2	346.4	268.0	185.2	146.5	122.7	101.5
55°	443.0	437.3	434.5	431.5	426.4	416.0	404.8	357.8	263.5	165.1	137.2
52.5°	517.5	495.6	471.5	445.3	436.5	432.7	428.0	415.3	402.0	320.3	210.2
50°	626.9	591.2	551.9	513.2	482.6	450.0	436.3	431.8	422.9	408.1	354.6
47.5°	729.4	694.0	655.1	610.1	560.6	512.4	475.3	438.9	433.9	427.6	411.1
45°	843.2	797.9	749.5	704.1	655.3	600.0	540.4	492.4	449.0	434.9	429.1
42.5°	1292.5	1018.3	858.4	800.7	741.6	686.3	626.6	560.1	501.0	453.3	434.9
40°	2626.5	1682.9	1327.1	979.4	838.9	769.1	705.0	640.0	566.7	501.0	449.0
37.5°	6145.8	3667.7	2561.8	1552.8	1156.7	862.1	784.3	711.3	640.0	560.1	492.4
35°	13413.5	9117.1	5338.7	3159.7	1812.3	1246.4	869.9	784.3	705.0	626.6	540.4
32.5°	24880.0	18103.0	11144.0	6822.2	3462.5	1959.8	1246.4	862.1	769.1	686.3	600.0
30°	37034.6	29118.2	20973.5	12638.3	7321.1	3462.5	1812.3	1156.7	838.9	741.6	655.3
27.5°	47685.2	40373.9	31290.9	21940.2	12638.3	6822.2	3159.7	1552.8	979.4	800.7	704.1
25°	55522.7	49714.5	41350.2	31290.9	20973.5	11144.0	5338.7	2561.8	1327.1	858.4	749.5
22.5°	60450.5	56112.6	49714.5	40373.9	29118.2	18103.0	9117.1	3667.7	1682.9	1018.3	797.9
20°	63174.2	60450.5	55522.7	47685.2	37034.6	24880.0	13413.5	6145.8	2626.5	1292.5	843.2
17.5°	66546.6	62816.8	59533.0	53777.9	43703.8	31550.4	19131.3	9073.7	3477.8	1539.3	883.8
15°	70218.0	65452.5	61762.9	57123.3	49284.1	37537.9	24217.0	11730.3	4701.6	2025.5	1061.7
12.5°	75118.0	68246.8	63515.4	60057.8	53638.1	42384.6	28908.7	15785.3	6766.9	2622.9	1234.1
10°	79891.4	71287.1	65492.4	61417.9	55899.9	46130.8	32904.5	19162.1	8482.9	3118.4	1376.9
7.5°	85596.2	74375.9	67233.4	62500.2	57699.9	49102.1	36065.2	21827.1	9834.6	3508.1	1489.0
5°	89834.6	76653.0	68509.6	63290.0	59008.9	51257.0	38352.3	23752.1	10809.6	3788.9	1569.7
2.5°	92449.9	78050.0	69289.1	63771.0	59804.1	52563.4	39736.8	24915.9	11398.4	3958.3	1618.3
0°	93334.5	78521.1	69551.4	63932.5	60070.8	53001.2	40200.4	25305.3	11595.3	4014.9	1634.6
-2.5°	92449.9	78050.0	69289.1	63771.0	59804.1	52563.4	39736.8	24915.9	11398.4	3958.3	1618.3
-5°	89834.6	76653.0	68509.6	63290.0	59008.9	51257.0	38352.3	23752.1	10809.6	3788.9	1569.7
-7.5°	85596.2	74375.9	67233.4	62500.2	57699.9	49102.1	36065.2	21827.1	9834.6	3508.1	1489.0
-10°	79891.4	71287.1	65492.4	61417.9	55899.9	46130.8	32904.5	19162.1	8482.9	3118.4	1376.9
-12.5°	75118.0	68246.8	63515.4	60057.8	53638.1	42384.6	28908.7	15785.3	6766.9	2622.9	1234.1
-15°	70218.0	65452.5	61762.9	57123.3	49284.1	37537.9	24217.0	11730.3	4701.6	2025.5	1061.7
-17.5°	66546.6	62816.8	59533.0	53777.9	43703.8	31550.4	19131.3	9073.7	3477.8	1539.3	883.8
-20°	63174.2	60450.5	55522.7	47685.2	37034.6	24880.0	13413.5	6145.8	2626.5	1292.5	843.2



REPORT NUMBER: P699988 (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°	60450.5	56112.6	49714.5	40373.9	29118.2	18103.0	9117.1	3667.7	1682.9	1018.3	797.9
-25°	55522.7	49714.5	41350.2	31290.9	20973.5	11144.0	5338.7	2561.8	1327.1	858.4	749.5
-27.5°	47685.2	40373.9	31290.9	21940.2	12638.3	6822.2	3159.7	1552.8	979.4	800.7	704.1
-30°	37034.6	29118.2	20973.5	12638.3	7321.1	3462.5	1812.3	1156.7	838.9	741.6	655.3
-32.5°	24880.0	18103.0	11144.0	6822.2	3462.5	1959.8	1246.4	862.1	769.1	686.3	600.0
-35°	13413.5	9117.1	5338.7	3159.7	1812.3	1246.4	869.9	784.3	705.0	626.6	540.4
-37.5°	6145.8	3667.7	2561.8	1552.8	1156.7	862.1	784.3	711.3	640.0	560.1	492.4
-40°	2626.5	1682.9	1327.1	979.4	838.9	769.1	705.0	640.0	566.7	501.0	449.0
-42.5°	1292.5	1018.3	858.4	800.7	741.6	686.3	626.6	560.1	501.0	453.3	434.9
-45°	843.2	797.9	749.5	704.1	655.3	600.0	540.4	492.4	449.0	434.9	429.1
-47.5°	729.4	694.0	655.1	610.1	560.6	512.4	475.3	438.9	433.9	427.6	411.1
-50°	626.9	591.2	551.9	513.2	482.6	450.0	436.3	431.8	422.9	408.1	354.6
-52.5°	517.5	495.6	471.5	445.3	436.5	432.7	428.0	415.3	402.0	320.3	210.2
-55°	443.0	437.3	434.5	431.5	426.4	416.0	404.8	357.8	263.5	165.1	137.2
-57.5°	430.4	426.2	418.6	410.2	401.2	346.4	268.0	185.2	146.5	122.7	101.5
-60°	404.8	398.6	346.4	288.3	225.4	162.1	143.3	123.5	102.7	98.6	94.8
-62.5°	230.7	187.2	157.1	143.3	128.5	112.5	101.1	98.0	94.8	91.1	84.2
-65°	124.2	114.0	102.7	100.2	98.0	95.5	92.9	88.6	82.8	76.8	71.0
-67.5°	96.3	94.8	93.1	90.6	86.6	82.3	77.8	72.9	69.7	67.0	64.2
-70°	81.7	79.0	76.1	72.8	70.4	68.5	66.5	64.3	62.1	59.7	57.2
-72.5°	67.1	65.9	64.6	63.2	61.7	60.0	58.3	56.4	54.4	52.4	50.2
-75°	57.5	56.5	55.5	54.3	52.9	51.5	50.0	48.4	46.8	45.0	43.1
-77.5°	48.0	47.2	46.3	45.3	44.2	43.0	41.8	40.4	39.0	37.5	36.0
-80°	38.4	37.7	37.0	36.2	35.3	34.4	33.4	32.3	31.2	30.0	28.8
-82.5°	28.7	28.3	27.7	27.1	26.5	25.8	25.0	24.3	23.4	22.5	21.6
-85°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
-87.5°	19.2	18.8	18.5	18.1	17.7	17.2	16.7	16.2	15.6	15.0	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: P699988 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2R-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°	13.8	13.1	12.4	11.7	11.0	10.2	9.4	8.6	7.8	7.0	6.1
85°	20.4	20.4	20.4	20.4	20.4	20.4	18.8	17.2	15.6	13.9	12.3
82.5°	20.6	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	18.4
80°	27.5	26.1	24.8	23.3	21.8	20.4	20.4	20.4	20.4	20.4	20.4
77.5°	34.3	32.6	30.9	29.1	27.2	25.3	23.4	21.4	20.4	20.4	20.4
75°	41.2	39.2	37.0	34.9	32.6	30.3	28.0	25.6	23.2	20.7	20.4
72.5°	47.9	45.6	43.1	40.6	38.0	35.3	32.6	29.8	27.0	24.1	21.2
70°	54.6	51.9	49.1	46.3	43.3	40.3	37.1	33.9	30.7	27.4	24.1
67.5°	61.2	58.2	55.1	51.8	48.5	45.1	41.6	38.0	34.4	30.7	27.0
65°	67.8	64.4	60.9	57.3	53.6	49.9	46.0	42.1	38.0	33.9	29.8
62.5°	77.0	70.5	66.7	62.8	58.7	54.6	50.3	46.0	41.6	37.1	32.6
60°	89.8	81.7	73.3	68.1	63.7	59.2	54.6	49.9	45.1	40.3	35.3
57.5°	97.2	92.7	84.5	75.2	68.6	63.7	58.7	53.6	48.5	43.3	38.0
55°	109.5	98.6	93.7	85.4	75.2	68.1	62.8	57.3	51.8	46.3	40.6
52.5°	146.0	115.3	99.1	93.7	84.5	73.3	66.7	60.9	55.1	49.1	43.1
50°	232.9	148.9	115.3	98.6	92.7	81.7	70.5	64.4	58.2	51.9	45.6
47.5°	366.1	232.9	146.0	109.5	97.2	89.8	77.0	67.8	61.2	54.6	47.9
45°	411.1	354.6	210.2	137.2	101.5	94.8	84.2	71.0	64.2	57.2	50.2
42.5°	427.6	408.1	320.3	165.1	122.7	98.6	91.1	76.8	67.0	59.7	52.4
40°	433.9	422.9	402.0	263.5	146.5	102.7	94.8	82.8	69.7	62.1	54.4
37.5°	438.9	431.8	415.3	357.8	185.2	123.5	98.0	88.6	72.9	64.3	56.4
35°	475.3	436.3	428.0	404.8	268.0	143.3	101.1	92.9	77.8	66.5	58.3
32.5°	512.4	450.0	432.7	416.0	346.4	162.1	112.5	95.5	82.3	68.5	60.0
30°	560.6	482.6	436.5	426.4	401.2	225.4	128.5	98.0	86.6	70.4	61.7
27.5°	610.1	513.2	445.3	431.5	410.2	288.3	143.3	100.2	90.6	72.8	63.2
25°	655.1	551.9	471.5	434.5	418.6	346.4	157.1	102.7	93.1	76.1	64.6
22.5°	694.0	591.2	495.6	437.3	426.2	398.6	187.2	114.0	94.8	79.0	65.9
20°	729.4	626.9	517.5	443.0	430.4	404.8	230.7	124.2	96.3	81.7	67.1
17.5°	762.1	657.5	545.1	461.0	432.5	410.4	269.5	133.3	97.7	84.0	68.1
15°	795.1	683.2	570.8	476.7	434.3	415.3	303.3	141.3	98.9	86.1	69.0
12.5°	823.3	705.2	592.8	490.1	435.8	419.5	332.2	148.0	99.9	87.9	69.8
10°	846.7	723.3	611.0	501.2	437.0	422.9	355.9	153.6	100.7	89.3	70.4
7.5°	865.0	737.6	625.2	509.8	438.0	425.6	374.5	157.9	101.4	90.4	70.9
5°	878.2	747.8	635.4	516.0	438.7	427.6	387.7	161.0	101.8	91.3	71.2
2.5°	886.1	753.9	641.5	519.8	439.2	428.7	395.7	162.9	102.1	91.7	71.4
0°	888.8	756.0	643.6	521.0	439.3	429.1	398.4	163.5	102.2	91.9	71.5
-2.5°	886.1	753.9	641.5	519.8	439.2	428.7	395.7	162.9	102.1	91.7	71.4
-5°	878.2	747.8	635.4	516.0	438.7	427.6	387.7	161.0	101.8	91.3	71.2
-7.5°	865.0	737.6	625.2	509.8	438.0	425.6	374.5	157.9	101.4	90.4	70.9
-10°	846.7	723.3	611.0	501.2	437.0	422.9	355.9	153.6	100.7	89.3	70.4
-12.5°	823.3	705.2	592.8	490.1	435.8	419.5	332.2	148.0	99.9	87.9	69.8
-15°	795.1	683.2	570.8	476.7	434.3	415.3	303.3	141.3	98.9	86.1	69.0
-17.5°	762.1	657.5	545.1	461.0	432.5	410.4	269.5	133.3	97.7	84.0	68.1
-20°	729.4	626.9	517.5	443.0	430.4	404.8	230.7	124.2	96.3	81.7	67.1



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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°	694.0	591.2	495.6	437.3	426.2	398.6	187.2	114.0	94.8	79.0	65.9
-25°	655.1	551.9	471.5	434.5	418.6	346.4	157.1	102.7	93.1	76.1	64.6
-27.5°	610.1	513.2	445.3	431.5	410.2	288.3	143.3	100.2	90.6	72.8	63.2
-30°	560.6	482.6	436.5	426.4	401.2	225.4	128.5	98.0	86.6	70.4	61.7
-32.5°	512.4	450.0	432.7	416.0	346.4	162.1	112.5	95.5	82.3	68.5	60.0
-35°	475.3	436.3	428.0	404.8	268.0	143.3	101.1	92.9	77.8	66.5	58.3
-37.5°	438.9	431.8	415.3	357.8	185.2	123.5	98.0	88.6	72.9	64.3	56.4
-40°	433.9	422.9	402.0	263.5	146.5	102.7	94.8	82.8	69.7	62.1	54.4
-42.5°	427.6	408.1	320.3	165.1	122.7	98.6	91.1	76.8	67.0	59.7	52.4
-45°	411.1	354.6	210.2	137.2	101.5	94.8	84.2	71.0	64.2	57.2	50.2
-47.5°	366.1	232.9	146.0	109.5	97.2	89.8	77.0	67.8	61.2	54.6	47.9
-50°	232.9	148.9	115.3	98.6	92.7	81.7	70.5	64.4	58.2	51.9	45.6
-52.5°	146.0	115.3	99.1	93.7	84.5	73.3	66.7	60.9	55.1	49.1	43.1
-55°	109.5	98.6	93.7	85.4	75.2	68.1	62.8	57.3	51.8	46.3	40.6
-57.5°	97.2	92.7	84.5	75.2	68.6	63.7	58.7	53.6	48.5	43.3	38.0
-60°	89.8	81.7	73.3	68.1	63.7	59.2	54.6	49.9	45.1	40.3	35.3
-62.5°	77.0	70.5	66.7	62.8	58.7	54.6	50.3	46.0	41.6	37.1	32.6
-65°	67.8	64.4	60.9	57.3	53.6	49.9	46.0	42.1	38.0	33.9	29.8
-67.5°	61.2	58.2	55.1	51.8	48.5	45.1	41.6	38.0	34.4	30.7	27.0
-70°	54.6	51.9	49.1	46.3	43.3	40.3	37.1	33.9	30.7	27.4	24.1
-72.5°	47.9	45.6	43.1	40.6	38.0	35.3	32.6	29.8	27.0	24.1	21.2
-75°	41.2	39.2	37.0	34.9	32.6	30.3	28.0	25.6	23.2	20.7	20.4
-77.5°	34.3	32.6	30.9	29.1	27.2	25.3	23.4	21.4	20.4	20.4	20.4
-80°	27.5	26.1	24.8	23.3	21.8	20.4	20.4	20.4	20.4	20.4	20.4
-82.5°	20.6	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	18.4
-85°	20.4	20.4	20.4	20.4	20.4	20.4	18.8	17.2	15.6	13.9	12.3
-87.5°	13.8	13.1	12.4	11.7	11.0	10.2	9.4	8.6	7.8	7.0	6.1
-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°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
85°	10.5	8.8	7.1	5.3	3.6	1.8	0.0
82.5°	15.8	13.2	10.6	8.0	5.3	2.7	0.0
80°	20.4	17.6	14.1	10.6	7.1	3.5	0.0
77.5°	20.4	20.4	17.6	13.2	8.8	4.4	0.0
75°	20.4	20.4	20.4	15.8	10.5	5.3	0.0
72.5°	20.4	20.4	20.4	18.4	12.3	6.1	0.0
70°	20.7	20.4	20.4	20.4	13.9	7.0	0.0
67.5°	23.2	20.4	20.4	20.4	15.6	7.8	0.0
65°	25.6	21.4	20.4	20.4	17.2	8.6	0.0
62.5°	28.0	23.4	20.4	20.4	18.8	9.4	0.0
60°	30.3	25.3	20.4	20.4	20.4	10.2	0.0
57.5°	32.6	27.2	21.8	20.4	20.4	11.0	0.0
55°	34.9	29.1	23.3	20.4	20.4	11.7	0.0
52.5°	37.0	30.9	24.8	20.4	20.4	12.4	0.0
50°	39.2	32.6	26.1	20.4	20.4	13.1	0.0
47.5°	41.2	34.3	27.5	20.6	20.4	13.8	0.0
45°	43.1	36.0	28.8	21.6	20.4	14.4	0.0
42.5°	45.0	37.5	30.0	22.5	20.4	15.0	0.0
40°	46.8	39.0	31.2	23.4	20.4	15.6	0.0
37.5°	48.4	40.4	32.3	24.3	20.4	16.2	0.0
35°	50.0	41.8	33.4	25.0	20.4	16.7	0.0
32.5°	51.5	43.0	34.4	25.8	20.4	17.2	0.0
30°	52.9	44.2	35.3	26.5	20.4	17.7	0.0
27.5°	54.3	45.3	36.2	27.1	20.4	18.1	0.0
25°	55.5	46.3	37.0	27.7	20.4	18.5	0.0
22.5°	56.5	47.2	37.7	28.3	20.4	18.8	0.0
20°	57.5	48.0	38.4	28.7	20.4	19.2	0.0
17.5°	58.4	48.7	39.0	29.2	20.4	19.5	0.0
15°	59.2	49.3	39.5	29.6	20.4	19.7	0.0
12.5°	59.8	49.9	39.9	29.9	20.4	19.9	0.0
10°	60.3	50.3	40.3	30.1	20.4	20.1	0.0
7.5°	60.8	50.7	40.5	30.3	20.4	20.2	0.0
5°	61.1	50.9	40.7	30.5	20.4	20.3	0.0
2.5°	61.2	51.1	40.9	30.6	20.4	20.4	0.0
0°	61.3	51.1	40.9	30.6	20.4	20.4	0.0
-2.5°	61.2	51.1	40.9	30.6	20.4	20.4	0.0
-5°	61.1	50.9	40.7	30.5	20.4	20.3	0.0
-7.5°	60.8	50.7	40.5	30.3	20.4	20.2	0.0
-10°	60.3	50.3	40.3	30.1	20.4	20.1	0.0
-12.5°	59.8	49.9	39.9	29.9	20.4	19.9	0.0
-15°	59.2	49.3	39.5	29.6	20.4	19.7	0.0
-17.5°	58.4	48.7	39.0	29.2	20.4	19.5	0.0
-20°	57.5	48.0	38.4	28.7	20.4	19.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	56.5	47.2	37.7	28.3	20.4	18.8	0.0
-25°	55.5	46.3	37.0	27.7	20.4	18.5	0.0
-27.5°	54.3	45.3	36.2	27.1	20.4	18.1	0.0
-30°	52.9	44.2	35.3	26.5	20.4	17.7	0.0
-32.5°	51.5	43.0	34.4	25.8	20.4	17.2	0.0
-35°	50.0	41.8	33.4	25.0	20.4	16.7	0.0
-37.5°	48.4	40.4	32.3	24.3	20.4	16.2	0.0
-40°	46.8	39.0	31.2	23.4	20.4	15.6	0.0
-42.5°	45.0	37.5	30.0	22.5	20.4	15.0	0.0
-45°	43.1	36.0	28.8	21.6	20.4	14.4	0.0
-47.5°	41.2	34.3	27.5	20.6	20.4	13.8	0.0
-50°	39.2	32.6	26.1	20.4	20.4	13.1	0.0
-52.5°	37.0	30.9	24.8	20.4	20.4	12.4	0.0
-55°	34.9	29.1	23.3	20.4	20.4	11.7	0.0
-57.5°	32.6	27.2	21.8	20.4	20.4	11.0	0.0
-60°	30.3	25.3	20.4	20.4	20.4	10.2	0.0
-62.5°	28.0	23.4	20.4	20.4	18.8	9.4	0.0
-65°	25.6	21.4	20.4	20.4	17.2	8.6	0.0
-67.5°	23.2	20.4	20.4	20.4	15.6	7.8	0.0
-70°	20.7	20.4	20.4	20.4	13.9	7.0	0.0
-72.5°	20.4	20.4	20.4	18.4	12.3	6.1	0.0
-75°	20.4	20.4	20.4	15.8	10.5	5.3	0.0
-77.5°	20.4	20.4	17.6	13.2	8.8	4.4	0.0
-80°	20.4	17.6	14.1	10.6	7.1	3.5	0.0
-82.5°	15.8	13.2	10.6	8.0	5.3	2.7	0.0
-85°	10.5	8.8	7.1	5.3	3.6	1.8	0.0
-87.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)