

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: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-40-70-2R-S**

Issue Date: 8/10/2023

Test Information

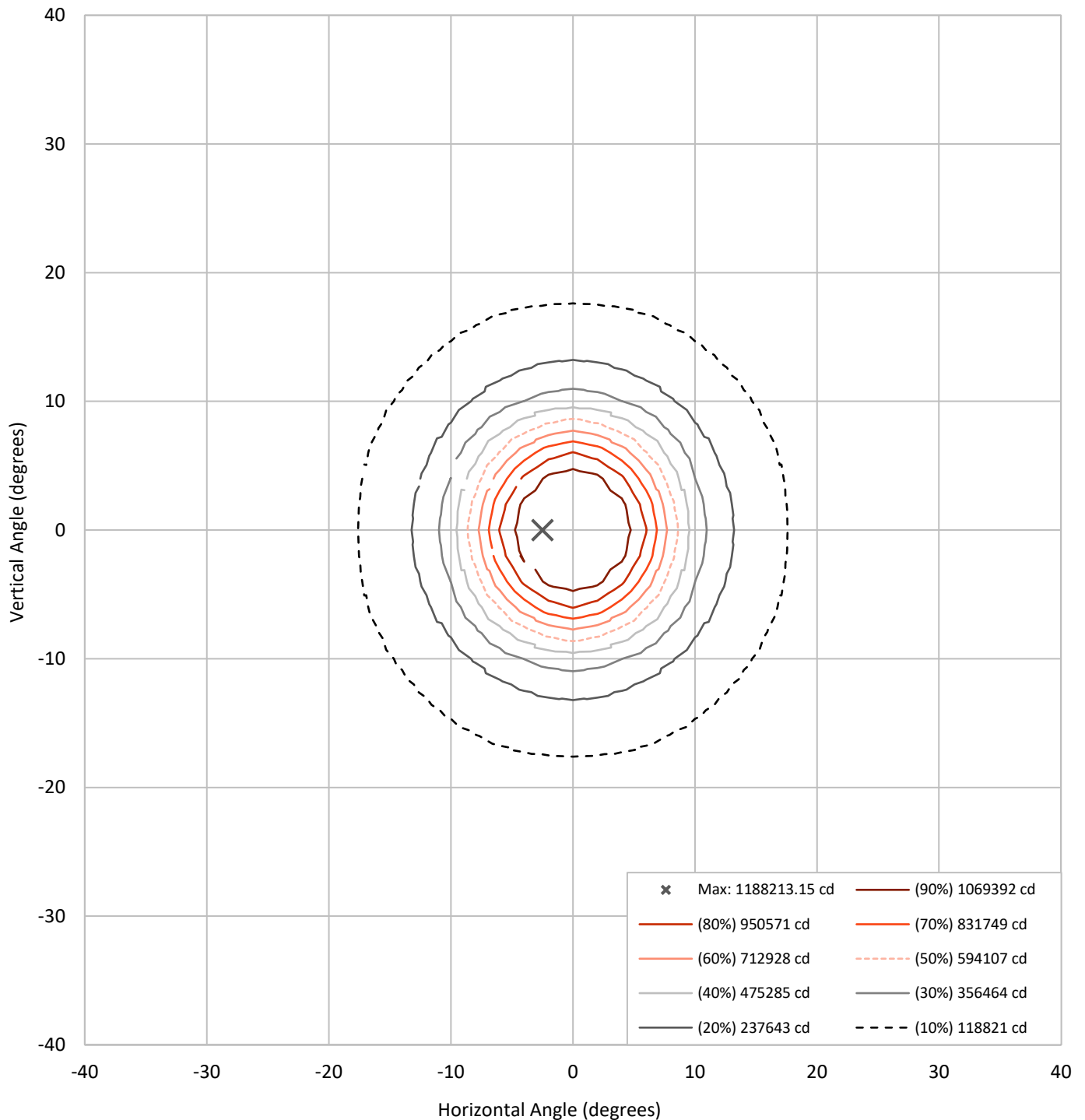
Test Method: LM-79-08
Report Number: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-15)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-40-70-2R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 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:	188264.7 lumens	Max Intensity:	1188213.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	155.1 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:	58754.9 lumens	Field Lumens:	120158.4 lumens
Beam Efficiency:	31.2%	Field Efficiency:	63.8%
Input Watts (W):	1214.1		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





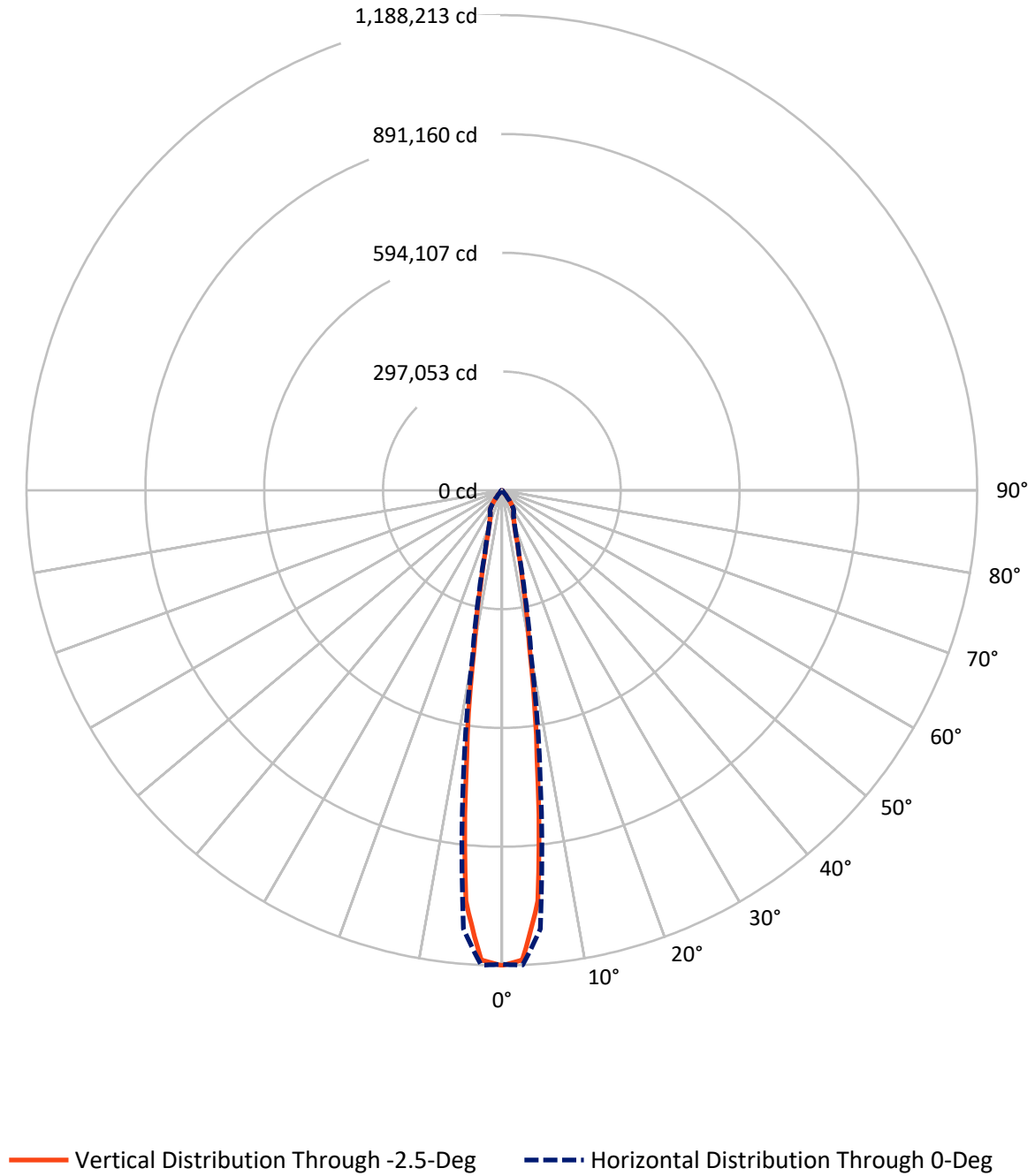
REPORT NUMBER: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.3	1.4		3.0		4.5		5.1		4.5		3.0		1.4		0.3
80	0.3	1.4		3.0		4.5		5.1		4.5		3.0		1.4		0.3
70	0.6	0.5	1.0	1.6	2.4	3.9	5.7	6.8	6.8	5.7	3.9	2.4	1.6	1.0	0.5	0.6
60		0.7	1.5	3.8	8.5	12.1	14.7	16.2	16.2	14.7	12.1	8.5	3.8	1.5	0.7	
50	0.9	1.0	3.1	8.8	13.7	22.7	50.0	88.0	88.0	50.0	22.7	13.7	8.8	3.1	1.0	0.9
40		1.2	6.0	11.9	31.6	227.4	724.5	1093.2	1093.2	724.5	227.4	31.6	11.9	6.0	1.2	
30	1.1	1.9	7.7	17.8	208.0	1068.9	1763.6	2101.6	2101.6	1763.6	1068.9	208.0	17.8	7.7	1.9	1.1
20		2.6	8.8	37.5	623.6	1657.1	2671.5	5084.7	5084.7	2671.5	1657.1	623.6	37.5	8.8	2.6	
10	1.2	3.0	9.5	64.8	910.7	1916.7	4950.9	21578.1	21578.1	4950.9	1916.7	910.7	64.8	9.5	3.0	1.2
0		3.0	9.5	64.8	910.7	1916.7	4950.9	21578.1	21578.1	4950.9	1916.7	910.7	64.8	9.5	3.0	
-10	1.1	2.6	8.8	37.5	623.6	1657.1	2671.5	5084.7	5084.7	2671.5	1657.1	623.6	37.5	8.8	2.6	1.1
-20		1.9	7.7	17.8	208.0	1068.9	1763.6	2101.6	2101.6	1763.6	1068.9	208.0	17.8	7.7	1.9	
-30	0.9	1.2	6.0	11.9	31.6	227.4	724.5	1093.2	1093.2	724.5	227.4	31.6	11.9	6.0	1.2	0.9
-40		1.0	3.1	8.8	13.7	22.7	50.0	88.0	88.0	50.0	22.7	13.7	8.8	3.1	1.0	
-50	0.6	0.7	1.5	3.8	8.5	12.1	14.7	16.2	16.2	14.7	12.1	8.5	3.8	1.5	0.7	0.6
-60		0.5	1.0	1.6	2.4	3.9	5.7	6.8	6.8	5.7	3.9	2.4	1.6	1.0	0.5	
-70	0.3	1.4		3.0		4.5		5.1		4.5		3.0		1.4		0.3
-80		1.4		3.0		4.5		5.1		4.5		3.0		1.4		
-90	0.3	1.4		3.0		4.5		5.1		4.5		3.0		1.4		0.3

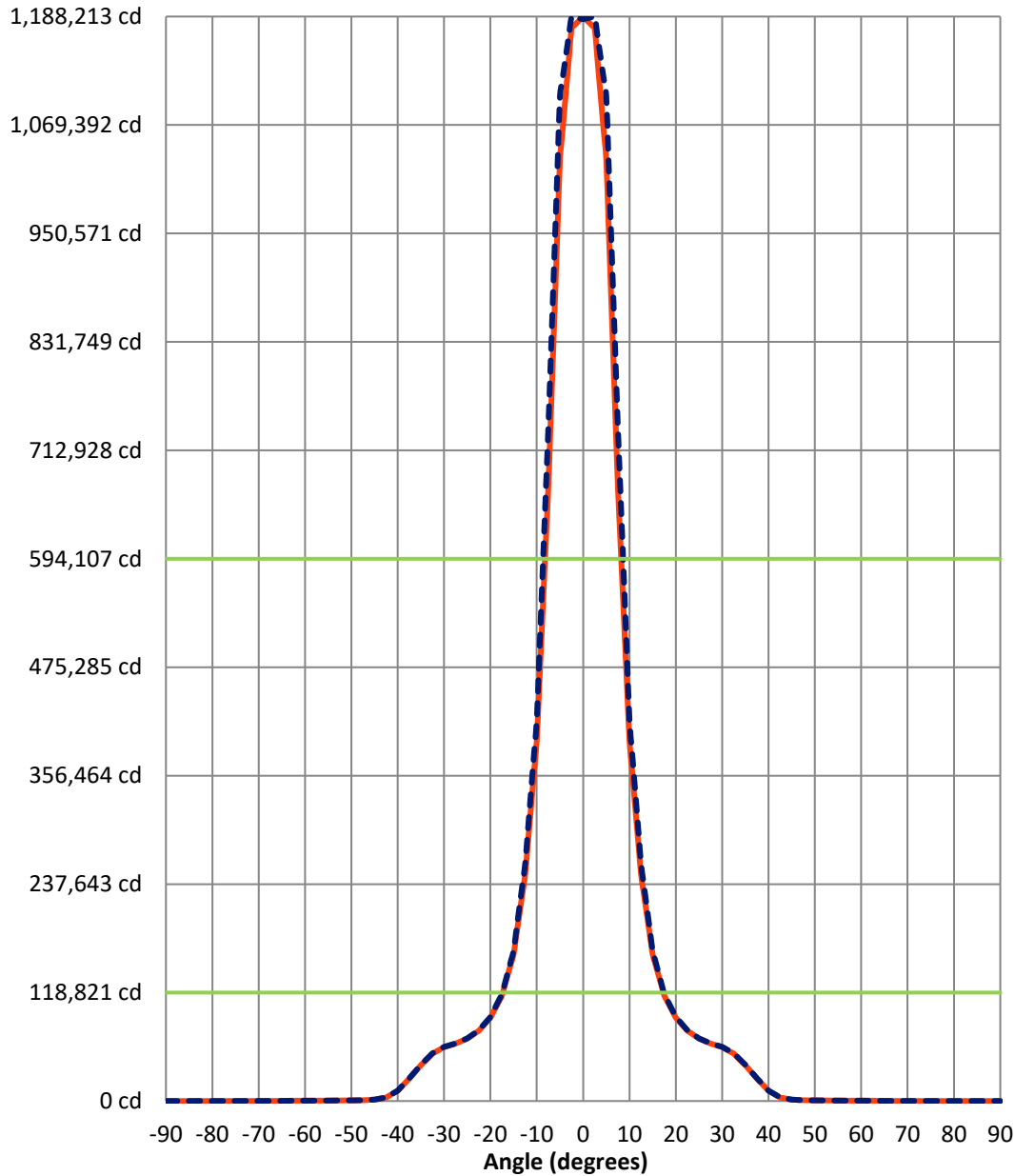
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CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-S

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 17.3°
 V Angle: 16.4°
 Lumens: 58754.9
 Efficiency: 31.2%

Field:
 H Angle: 34.8°
 V Angle: 34.6°
 Lumens: 120158.4
 Efficiency: 63.8%

Spill:
 Lumens: 68106.3
 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	2.6	3.5	4.4	5.2	6.1	6.9	7.7	8.5
85°	0.0	1.8	3.5	5.3	7.0	8.7	10.4	12.1	13.8	15.4	17.1
82.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.6	18.2	20.2	20.2	20.2
80°	0.0	3.5	7.0	10.5	14.0	17.4	20.2	20.2	20.2	20.2	20.2
77.5°	0.0	4.4	8.7	13.1	17.4	20.2	20.2	20.2	20.2	20.2	21.2
75°	0.0	5.2	10.4	15.6	20.2	20.2	20.2	20.2	20.5	23.0	25.4
72.5°	0.0	6.1	12.1	18.2	20.2	20.2	20.2	21.0	23.8	26.7	29.5
70°	0.0	6.9	13.8	20.2	20.2	20.2	20.5	23.8	27.1	30.4	33.6
67.5°	0.0	7.7	15.4	20.2	20.2	20.2	23.0	26.7	30.4	34.0	37.6
65°	0.0	8.5	17.1	20.2	20.2	21.2	25.4	29.5	33.6	37.6	41.6
62.5°	0.0	9.3	18.6	20.2	20.2	23.2	27.7	32.2	36.7	41.1	45.4
60°	0.0	10.1	20.2	20.2	20.2	25.1	30.0	34.9	39.8	44.5	49.2
57.5°	0.0	10.9	20.2	20.2	21.6	27.0	32.3	37.6	42.8	47.9	52.9
55°	0.0	11.6	20.2	20.2	23.1	28.8	34.5	40.1	45.7	51.1	56.6
52.5°	0.0	12.3	20.2	20.2	24.5	30.6	36.6	42.6	48.5	54.3	60.1
50°	0.0	13.0	20.2	20.2	25.9	32.3	38.7	45.0	51.2	57.4	63.6
47.5°	0.0	13.6	20.2	20.4	27.2	34.0	40.7	47.3	53.9	60.4	66.9
45°	0.0	14.3	20.2	21.4	28.5	35.6	42.6	49.5	56.4	63.3	70.1
42.5°	0.0	14.9	20.2	22.3	29.7	37.1	44.4	51.6	58.9	66.1	75.9
40°	0.0	15.5	20.2	23.2	30.9	38.6	46.1	53.7	61.3	68.8	81.8
37.5°	0.0	16.0	20.2	24.0	32.0	39.9	47.8	55.7	63.5	72.0	87.5
35°	0.0	16.5	20.2	24.8	33.0	41.2	49.4	57.5	65.6	76.8	91.8
32.5°	0.0	17.0	20.2	25.5	34.0	42.5	50.8	59.3	67.6	81.3	94.4
30°	0.0	17.5	20.2	26.2	34.9	43.6	52.2	60.9	69.5	85.6	96.7
27.5°	0.0	17.9	20.2	26.9	35.8	44.7	53.5	62.4	71.9	89.5	98.9
25°	0.0	18.3	20.2	27.4	36.6	45.7	54.7	63.8	75.1	92.0	101.4
22.5°	0.0	18.7	20.2	28.0	37.3	46.5	55.8	65.1	78.0	93.6	112.6
20°	0.0	19.0	20.2	28.5	37.9	47.3	56.8	66.2	80.7	95.1	122.7
17.5°	0.0	19.3	20.2	28.9	38.5	48.1	57.6	67.2	83.0	96.5	131.6
15°	0.0	19.5	20.2	29.3	39.0	48.7	58.4	68.1	85.1	97.6	139.4
12.5°	0.0	19.7	20.2	29.6	39.4	49.2	59.0	68.9	86.8	98.6	146.1
10°	0.0	19.9	20.2	29.8	39.8	49.6	59.6	69.5	88.2	99.4	151.6
7.5°	0.0	20.0	20.2	30.0	40.1	50.0	60.0	70.0	89.4	100.1	155.9
5°	0.0	20.1	20.2	30.2	40.2	50.2	60.3	70.3	90.2	100.5	158.9
2.5°	0.0	20.2	20.2	30.3	40.4	50.4	60.4	70.5	90.6	100.8	160.8
0°	0.0	20.2	20.2	30.3	40.4	50.4	60.5	70.6	90.8	100.9	161.4
-2.5°	0.0	20.2	20.2	30.3	40.4	50.4	60.4	70.5	90.6	100.8	160.8
-5°	0.0	20.1	20.2	30.2	40.2	50.2	60.3	70.3	90.2	100.5	158.9
-7.5°	0.0	20.0	20.2	30.0	40.1	50.0	60.0	70.0	89.4	100.1	155.9
-10°	0.0	19.9	20.2	29.8	39.8	49.6	59.6	69.5	88.2	99.4	151.6
-12.5°	0.0	19.7	20.2	29.6	39.4	49.2	59.0	68.9	86.8	98.6	146.1
-15°	0.0	19.5	20.2	29.3	39.0	48.7	58.4	68.1	85.1	97.6	139.4
-17.5°	0.0	19.3	20.2	28.9	38.5	48.1	57.6	67.2	83.0	96.5	131.6
-20°	0.0	19.0	20.2	28.5	37.9	47.3	56.8	66.2	80.7	95.1	122.7



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 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.7	20.2	28.0	37.3	46.5	55.8	65.1	78.0	93.6	112.6
-25°	0.0	18.3	20.2	27.4	36.6	45.7	54.7	63.8	75.1	92.0	101.4
-27.5°	0.0	17.9	20.2	26.9	35.8	44.7	53.5	62.4	71.9	89.5	98.9
-30°	0.0	17.5	20.2	26.2	34.9	43.6	52.2	60.9	69.5	85.6	96.7
-32.5°	0.0	17.0	20.2	25.5	34.0	42.5	50.8	59.3	67.6	81.3	94.4
-35°	0.0	16.5	20.2	24.8	33.0	41.2	49.4	57.5	65.6	76.8	91.8
-37.5°	0.0	16.0	20.2	24.0	32.0	39.9	47.8	55.7	63.5	72.0	87.5
-40°	0.0	15.5	20.2	23.2	30.9	38.6	46.1	53.7	61.3	68.8	81.8
-42.5°	0.0	14.9	20.2	22.3	29.7	37.1	44.4	51.6	58.9	66.1	75.9
-45°	0.0	14.3	20.2	21.4	28.5	35.6	42.6	49.5	56.4	63.3	70.1
-47.5°	0.0	13.6	20.2	20.4	27.2	34.0	40.7	47.3	53.9	60.4	66.9
-50°	0.0	13.0	20.2	20.2	25.9	32.3	38.7	45.0	51.2	57.4	63.6
-52.5°	0.0	12.3	20.2	20.2	24.5	30.6	36.6	42.6	48.5	54.3	60.1
-55°	0.0	11.6	20.2	20.2	23.1	28.8	34.5	40.1	45.7	51.1	56.6
-57.5°	0.0	10.9	20.2	20.2	21.6	27.0	32.3	37.6	42.8	47.9	52.9
-60°	0.0	10.1	20.2	20.2	20.2	25.1	30.0	34.9	39.8	44.5	49.2
-62.5°	0.0	9.3	18.6	20.2	20.2	23.2	27.7	32.2	36.7	41.1	45.4
-65°	0.0	8.5	17.1	20.2	20.2	21.2	25.4	29.5	33.6	37.6	41.6
-67.5°	0.0	7.7	15.4	20.2	20.2	20.2	23.0	26.7	30.4	34.0	37.6
-70°	0.0	6.9	13.8	20.2	20.2	20.2	20.5	23.8	27.1	30.4	33.6
-72.5°	0.0	6.1	12.1	18.2	20.2	20.2	20.2	21.0	23.8	26.7	29.5
-75°	0.0	5.2	10.4	15.6	20.2	20.2	20.2	20.2	20.5	23.0	25.4
-77.5°	0.0	4.4	8.7	13.1	17.4	20.2	20.2	20.2	20.2	20.2	21.2
-80°	0.0	3.5	7.0	10.5	14.0	17.4	20.2	20.2	20.2	20.2	20.2
-82.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.6	18.2	20.2	20.2	20.2
-85°	0.0	1.8	3.5	5.3	7.0	8.7	10.4	12.1	13.8	15.4	17.1
-87.5°	0.0	0.9	1.8	2.6	3.5	4.4	5.2	6.1	6.9	7.7	8.5
-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: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-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°	9.3	10.1	10.9	11.6	12.3	13.0	13.6	14.3	14.9	15.5	16.0
85°	18.6	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
82.5°	20.2	20.2	20.2	20.2	20.2	20.2	20.4	21.4	22.3	23.2	24.0
80°	20.2	20.2	21.6	23.1	24.5	25.9	27.2	28.5	29.7	30.9	32.0
77.5°	23.2	25.1	27.0	28.8	30.6	32.3	34.0	35.6	37.1	38.6	39.9
75°	27.7	30.0	32.3	34.5	36.6	38.7	40.7	42.6	44.4	46.1	47.8
72.5°	32.2	34.9	37.6	40.1	42.6	45.0	47.3	49.5	51.6	53.7	55.7
70°	36.7	39.8	42.8	45.7	48.5	51.2	53.9	56.4	58.9	61.3	63.5
67.5°	41.1	44.5	47.9	51.1	54.3	57.4	60.4	63.3	66.1	68.8	72.0
65°	45.4	49.2	52.9	56.6	60.1	63.6	66.9	70.1	75.9	81.8	87.5
62.5°	49.6	53.8	57.9	61.9	65.9	69.7	76.1	83.2	90.0	93.7	96.8
60°	53.8	58.4	62.9	67.2	72.4	80.7	88.7	93.6	97.4	101.4	122.0
57.5°	57.9	62.9	67.7	74.2	83.5	91.6	96.0	100.2	121.2	144.6	182.8
55°	61.9	67.2	74.2	84.4	92.6	97.4	108.1	135.4	163.0	260.2	353.4
52.5°	65.9	72.4	83.5	92.6	97.9	113.9	144.1	207.5	316.3	397.1	410.2
50°	69.7	80.7	91.6	97.4	113.9	147.0	229.9	350.2	403.1	417.7	426.5
47.5°	76.1	88.7	96.0	108.1	144.1	229.9	361.6	406.1	422.3	428.5	433.5
45°	83.2	93.6	100.2	135.4	207.5	350.2	406.1	423.8	429.5	443.5	486.3
42.5°	90.0	97.4	121.2	163.0	316.3	403.1	422.3	429.5	447.7	494.8	553.2
40°	93.7	101.4	144.6	260.2	397.1	417.7	428.5	443.5	494.8	559.7	632.1
37.5°	96.8	122.0	182.8	353.4	410.2	426.5	433.5	486.3	553.2	632.1	702.6
35°	99.8	141.5	264.7	399.9	422.7	431.0	469.5	533.8	618.9	696.4	774.6
32.5°	111.0	160.0	342.1	410.8	427.4	444.5	506.1	592.6	677.8	759.6	851.5
30°	126.8	222.6	396.3	421.2	431.1	476.7	553.8	647.3	732.5	828.5	1142.4
27.5°	141.5	284.7	405.2	426.2	439.8	506.9	602.6	695.4	790.8	967.3	1533.6
25°	155.1	342.1	413.4	429.1	465.7	545.2	647.0	740.3	847.8	1310.7	2530.1
22.5°	184.8	393.6	420.9	431.9	489.5	583.9	685.5	788.1	1005.7	1662.1	3622.4
20°	227.8	399.9	425.1	437.6	511.2	619.2	720.4	832.8	1276.5	2594.1	6069.9
17.5°	266.1	405.4	427.1	455.3	538.4	649.4	752.7	872.9	1520.3	3434.8	8961.6
15°	299.6	410.2	428.9	470.8	563.8	674.8	785.3	1048.5	2000.5	4643.5	11585.3
12.5°	328.1	414.3	430.4	484.1	585.6	696.5	813.2	1218.8	2590.5	6683.3	15590.3
10°	351.5	417.7	431.7	495.0	603.5	714.4	836.2	1359.8	3079.9	8378.1	18925.4
7.5°	369.8	420.4	432.6	503.5	617.5	728.5	854.3	1470.6	3464.8	9713.1	21557.5
5°	383.0	422.3	433.3	509.7	627.6	738.6	867.3	1550.3	3742.1	10676.0	23458.7
2.5°	390.9	423.4	433.8	513.4	633.7	744.7	875.2	1598.3	3909.4	11257.5	24608.1
0°	393.5	423.8	433.9	514.6	635.7	746.7	877.8	1614.4	3965.3	11452.0	24992.7
-2.5°	390.9	423.4	433.8	513.4	633.7	744.7	875.2	1598.3	3909.4	11257.5	24608.1
-5°	383.0	422.3	433.3	509.7	627.6	738.6	867.3	1550.3	3742.1	10676.0	23458.7
-7.5°	369.8	420.4	432.6	503.5	617.5	728.5	854.3	1470.6	3464.8	9713.1	21557.5
-10°	351.5	417.7	431.7	495.0	603.5	714.4	836.2	1359.8	3079.9	8378.1	18925.4
-12.5°	328.1	414.3	430.4	484.1	585.6	696.5	813.2	1218.8	2590.5	6683.3	15590.3
-15°	299.6	410.2	428.9	470.8	563.8	674.8	785.3	1048.5	2000.5	4643.5	11585.3
-17.5°	266.1	405.4	427.1	455.3	538.4	649.4	752.7	872.9	1520.3	3434.8	8961.6
-20°	227.8	399.9	425.1	437.6	511.2	619.2	720.4	832.8	1276.5	2594.1	6069.9



REPORT NUMBER: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	184.8	393.6	420.9	431.9	489.5	583.9	685.5	788.1	1005.7	1662.1	3622.4
-25°	155.1	342.1	413.4	429.1	465.7	545.2	647.0	740.3	847.8	1310.7	2530.1
-27.5°	141.5	284.7	405.2	426.2	439.8	506.9	602.6	695.4	790.8	967.3	1533.6
-30°	126.8	222.6	396.3	421.2	431.1	476.7	553.8	647.3	732.5	828.5	1142.4
-32.5°	111.0	160.0	342.1	410.8	427.4	444.5	506.1	592.6	677.8	759.6	851.5
-35°	99.8	141.5	264.7	399.9	422.7	431.0	469.5	533.8	618.9	696.4	774.6
-37.5°	96.8	122.0	182.8	353.4	410.2	426.5	433.5	486.3	553.2	632.1	702.6
-40°	93.7	101.4	144.6	260.2	397.1	417.7	428.5	443.5	494.8	559.7	632.1
-42.5°	90.0	97.4	121.2	163.0	316.3	403.1	422.3	429.5	447.7	494.8	553.2
-45°	83.2	93.6	100.2	135.4	207.5	350.2	406.1	423.8	429.5	443.5	486.3
-47.5°	76.1	88.7	96.0	108.1	144.1	229.9	361.6	406.1	422.3	428.5	433.5
-50°	69.7	80.7	91.6	97.4	113.9	147.0	229.9	350.2	403.1	417.7	426.5
-52.5°	65.9	72.4	83.5	92.6	97.9	113.9	144.1	207.5	316.3	397.1	410.2
-55°	61.9	67.2	74.2	84.4	92.6	97.4	108.1	135.4	163.0	260.2	353.4
-57.5°	57.9	62.9	67.7	74.2	83.5	91.6	96.0	100.2	121.2	144.6	182.8
-60°	53.8	58.4	62.9	67.2	72.4	80.7	88.7	93.6	97.4	101.4	122.0
-62.5°	49.6	53.8	57.9	61.9	65.9	69.7	76.1	83.2	90.0	93.7	96.8
-65°	45.4	49.2	52.9	56.6	60.1	63.6	66.9	70.1	75.9	81.8	87.5
-67.5°	41.1	44.5	47.9	51.1	54.3	57.4	60.4	63.3	66.1	68.8	72.0
-70°	36.7	39.8	42.8	45.7	48.5	51.2	53.9	56.4	58.9	61.3	63.5
-72.5°	32.2	34.9	37.6	40.1	42.6	45.0	47.3	49.5	51.6	53.7	55.7
-75°	27.7	30.0	32.3	34.5	36.6	38.7	40.7	42.6	44.4	46.1	47.8
-77.5°	23.2	25.1	27.0	28.8	30.6	32.3	34.0	35.6	37.1	38.6	39.9
-80°	20.2	20.2	21.6	23.1	24.5	25.9	27.2	28.5	29.7	30.9	32.0
-82.5°	20.2	20.2	20.2	20.2	20.2	20.2	20.4	21.4	22.3	23.2	24.0
-85°	18.6	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
-87.5°	9.3	10.1	10.9	11.6	12.3	13.0	13.6	14.3	14.9	15.5	16.0
-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: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-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°	16.5	17.0	17.5	17.9	18.3	18.7	19.0	19.3	19.5	19.7	19.9
85°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
82.5°	24.8	25.5	26.2	26.9	27.4	28.0	28.5	28.9	29.3	29.6	29.8
80°	33.0	34.0	34.9	35.8	36.6	37.3	37.9	38.5	39.0	39.4	39.8
77.5°	41.2	42.5	43.6	44.7	45.7	46.5	47.3	48.1	48.7	49.2	49.6
75°	49.4	50.8	52.2	53.5	54.7	55.8	56.8	57.6	58.4	59.0	59.6
72.5°	57.5	59.3	60.9	62.4	63.8	65.1	66.2	67.2	68.1	68.9	69.5
70°	65.6	67.6	69.5	71.9	75.1	78.0	80.7	83.0	85.1	86.8	88.2
67.5°	76.8	81.3	85.6	89.5	92.0	93.6	95.1	96.5	97.6	98.6	99.4
65°	91.8	94.4	96.7	98.9	101.4	112.6	122.7	131.6	139.4	146.1	151.6
62.5°	99.8	111.0	126.8	141.5	155.1	184.8	227.8	266.1	299.6	328.1	351.5
60°	141.5	160.0	222.6	284.7	342.1	393.6	399.9	405.4	410.2	414.3	417.7
57.5°	264.7	342.1	396.3	405.2	413.4	420.9	425.1	427.1	428.9	430.4	431.7
55°	399.9	410.8	421.2	426.2	429.1	431.9	437.6	455.3	470.8	484.1	495.0
52.5°	422.7	427.4	431.1	439.8	465.7	489.5	511.2	538.4	563.8	585.6	603.5
50°	431.0	444.5	476.7	506.9	545.2	583.9	619.2	649.4	674.8	696.5	714.4
47.5°	469.5	506.1	553.8	602.6	647.0	685.5	720.4	752.7	785.3	813.2	836.2
45°	533.8	592.6	647.3	695.4	740.3	788.1	832.8	872.9	1048.5	1218.8	1359.8
42.5°	618.9	677.8	732.5	790.8	847.8	1005.7	1276.5	1520.3	2000.5	2590.5	3079.9
40°	696.4	759.6	828.5	967.3	1310.7	1662.1	2594.1	3434.8	4643.5	6683.3	8378.1
37.5°	774.6	851.5	1142.4	1533.6	2530.1	3622.4	6069.9	8961.6	11585.3	15590.3	18925.4
35°	859.2	1231.0	1789.9	3120.7	5272.8	9004.5	13247.7	18894.9	23917.9	28551.6	32498.1
32.5°	1231.0	1935.6	3419.7	6737.9	11006.3	17879.3	24572.7	31160.6	37074.2	41861.0	45560.9
30°	1789.9	3419.7	7230.6	12482.1	20714.4	28758.5	36577.1	43164.0	48675.4	52975.6	55209.3
27.5°	3120.7	6737.9	12482.1	21669.1	30904.3	39875.2	47096.2	53113.5	56417.6	59315.8	60659.1
25°	5272.8	11006.3	20714.4	30904.3	40839.4	49100.4	54836.8	58797.6	60999.9	62730.7	64683.3
22.5°	9004.5	17879.3	28758.5	39875.2	49100.4	55419.5	59703.8	62040.8	64643.9	67403.6	70406.4
20°	13247.7	24572.7	36577.1	47096.2	54836.8	59703.8	62393.8	65724.5	69350.4	74190.0	78904.4
17.5°	18894.9	31160.6	43164.0	53113.5	58797.6	62040.8	65724.5	70275.5	76151.6	84038.3	91726.6
15°	23917.9	37074.2	48675.4	56417.6	60999.9	64643.9	69350.4	76151.6	85799.2	97888.1	112684.8
12.5°	28551.6	41861.0	52975.6	59315.8	62730.7	67403.6	74190.0	84038.3	97888.1	116278.7	146564.0
10°	32498.1	45560.9	55209.3	60659.1	64683.3	70406.4	78904.4	91726.6	112684.8	146564.0	191298.5
7.5°	35619.7	48495.5	56987.1	61728.1	66402.8	73457.0	84538.8	102320.6	131903.6	178194.0	261098.8
5°	37878.6	50623.8	58280.0	62508.2	67663.1	75706.1	88724.7	110520.8	149683.4	217116.3	332867.4
2.5°	39246.0	51914.1	59065.3	62983.2	68433.1	77085.9	91307.7	115622.4	160878.1	248058.5	395086.3
0°	39703.8	52346.5	59328.7	63142.7	68692.1	77551.1	92181.4	117355.8	164707.7	259976.7	418035.1
-2.5°	39246.0	51914.1	59065.3	62983.2	68433.1	77085.9	91307.7	115622.4	160878.1	248058.5	395086.3
-5°	37878.6	50623.8	58280.0	62508.2	67663.1	75706.1	88724.7	110520.8	149683.4	217116.3	332867.4
-7.5°	35619.7	48495.5	56987.1	61728.1	66402.8	73457.0	84538.8	102320.6	131903.6	178194.0	261098.8
-10°	32498.1	45560.9	55209.3	60659.1	64683.3	70406.4	78904.4	91726.6	112684.8	146564.0	191298.5
-12.5°	28551.6	41861.0	52975.6	59315.8	62730.7	67403.6	74190.0	84038.3	97888.1	116278.7	146564.0
-15°	23917.9	37074.2	48675.4	56417.6	60999.9	64643.9	69350.4	76151.6	85799.2	97888.1	112684.8
-17.5°	18894.9	31160.6	43164.0	53113.5	58797.6	62040.8	65724.5	70275.5	76151.6	84038.3	91726.6
-20°	13247.7	24572.7	36577.1	47096.2	54836.8	59703.8	62393.8	65724.5	69350.4	74190.0	78904.4



REPORT NUMBER: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9004.5	17879.3	28758.5	39875.2	49100.4	55419.5	59703.8	62040.8	64643.9	67403.6	70406.4
-25°	5272.8	11006.3	20714.4	30904.3	40839.4	49100.4	54836.8	58797.6	60999.9	62730.7	64683.3
-27.5°	3120.7	6737.9	12482.1	21669.1	30904.3	39875.2	47096.2	53113.5	56417.6	59315.8	60659.1
-30°	1789.9	3419.7	7230.6	12482.1	20714.4	28758.5	36577.1	43164.0	48675.4	52975.6	55209.3
-32.5°	1231.0	1935.6	3419.7	6737.9	11006.3	17879.3	24572.7	31160.6	37074.2	41861.0	45560.9
-35°	859.2	1231.0	1789.9	3120.7	5272.8	9004.5	13247.7	18894.9	23917.9	28551.6	32498.1
-37.5°	774.6	851.5	1142.4	1533.6	2530.1	3622.4	6069.9	8961.6	11585.3	15590.3	18925.4
-40°	696.4	759.6	828.5	967.3	1310.7	1662.1	2594.1	3434.8	4643.5	6683.3	8378.1
-42.5°	618.9	677.8	732.5	790.8	847.8	1005.7	1276.5	1520.3	2000.5	2590.5	3079.9
-45°	533.8	592.6	647.3	695.4	740.3	788.1	832.8	872.9	1048.5	1218.8	1359.8
-47.5°	469.5	506.1	553.8	602.6	647.0	685.5	720.4	752.7	785.3	813.2	836.2
-50°	431.0	444.5	476.7	506.9	545.2	583.9	619.2	649.4	674.8	696.5	714.4
-52.5°	422.7	427.4	431.1	439.8	465.7	489.5	511.2	538.4	563.8	585.6	603.5
-55°	399.9	410.8	421.2	426.2	429.1	431.9	437.6	455.3	470.8	484.1	495.0
-57.5°	264.7	342.1	396.3	405.2	413.4	420.9	425.1	427.1	428.9	430.4	431.7
-60°	141.5	160.0	222.6	284.7	342.1	393.6	399.9	405.4	410.2	414.3	417.7
-62.5°	99.8	111.0	126.8	141.5	155.1	184.8	227.8	266.1	299.6	328.1	351.5
-65°	91.8	94.4	96.7	98.9	101.4	112.6	122.7	131.6	139.4	146.1	151.6
-67.5°	76.8	81.3	85.6	89.5	92.0	93.6	95.1	96.5	97.6	98.6	99.4
-70°	65.6	67.6	69.5	71.9	75.1	78.0	80.7	83.0	85.1	86.8	88.2
-72.5°	57.5	59.3	60.9	62.4	63.8	65.1	66.2	67.2	68.1	68.9	69.5
-75°	49.4	50.8	52.2	53.5	54.7	55.8	56.8	57.6	58.4	59.0	59.6
-77.5°	41.2	42.5	43.6	44.7	45.7	46.5	47.3	48.1	48.7	49.2	49.6
-80°	33.0	34.0	34.9	35.8	36.6	37.3	37.9	38.5	39.0	39.4	39.8
-82.5°	24.8	25.5	26.2	26.9	27.4	28.0	28.5	28.9	29.3	29.6	29.8
-85°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
-87.5°	16.5	17.0	17.5	17.9	18.3	18.7	19.0	19.3	19.5	19.7	19.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-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°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.9	19.7	19.5	19.3
85°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
82.5°	30.0	30.2	30.3	30.3	30.3	30.2	30.0	29.8	29.6	29.3	28.9
80°	40.1	40.2	40.4	40.4	40.4	40.2	40.1	39.8	39.4	39.0	38.5
77.5°	50.0	50.2	50.4	50.4	50.4	50.2	50.0	49.6	49.2	48.7	48.1
75°	60.0	60.3	60.4	60.5	60.4	60.3	60.0	59.6	59.0	58.4	57.6
72.5°	70.0	70.3	70.5	70.6	70.5	70.3	70.0	69.5	68.9	68.1	67.2
70°	89.4	90.2	90.6	90.8	90.6	90.2	89.4	88.2	86.8	85.1	83.0
67.5°	100.1	100.5	100.8	100.9	100.8	100.5	100.1	99.4	98.6	97.6	96.5
65°	155.9	158.9	160.8	161.4	160.8	158.9	155.9	151.6	146.1	139.4	131.6
62.5°	369.8	383.0	390.9	393.5	390.9	383.0	369.8	351.5	328.1	299.6	266.1
60°	420.4	422.3	423.4	423.8	423.4	422.3	420.4	417.7	414.3	410.2	405.4
57.5°	432.6	433.3	433.8	433.9	433.8	433.3	432.6	431.7	430.4	428.9	427.1
55°	503.5	509.7	513.4	514.6	513.4	509.7	503.5	495.0	484.1	470.8	455.3
52.5°	617.5	627.6	633.7	635.7	633.7	627.6	617.5	603.5	585.6	563.8	538.4
50°	728.5	738.6	744.7	746.7	744.7	738.6	728.5	714.4	696.5	674.8	649.4
47.5°	854.3	867.3	875.2	877.8	875.2	867.3	854.3	836.2	813.2	785.3	752.7
45°	1470.6	1550.3	1598.3	1614.4	1598.3	1550.3	1470.6	1359.8	1218.8	1048.5	872.9
42.5°	3464.8	3742.1	3909.4	3965.3	3909.4	3742.1	3464.8	3079.9	2590.5	2000.5	1520.3
40°	9713.1	10676.0	11257.5	11452.0	11257.5	10676.0	9713.1	8378.1	6683.3	4643.5	3434.8
37.5°	21557.5	23458.7	24608.1	24992.7	24608.1	23458.7	21557.5	18925.4	15590.3	11585.3	8961.6
35°	35619.7	37878.6	39246.0	39703.8	39246.0	37878.6	35619.7	32498.1	28551.6	23917.9	18894.9
32.5°	48495.5	50623.8	51914.1	52346.5	51914.1	50623.8	48495.5	45560.9	41861.0	37074.2	31160.6
30°	56987.1	58280.0	59065.3	59328.7	59065.3	58280.0	56987.1	55209.3	52975.6	48675.4	43164.0
27.5°	61728.1	62508.2	62983.2	63142.7	62983.2	62508.2	61728.1	60659.1	59315.8	56417.6	53113.5
25°	66402.8	67663.1	68433.1	68692.1	68433.1	67663.1	66402.8	64683.3	62730.7	60999.9	58797.6
22.5°	73457.0	75706.1	77085.9	77551.1	77085.9	75706.1	73457.0	70406.4	67403.6	64643.9	62040.8
20°	84538.8	88724.7	91307.7	92181.4	91307.7	88724.7	84538.8	78904.4	74190.0	69350.4	65724.5
17.5°	102320.6	110520.8	115622.4	117355.8	115622.4	110520.8	102320.6	91726.6	84038.3	76151.6	70275.5
15°	131903.6	149683.4	160878.1	164707.7	160878.1	149683.4	131903.6	112684.8	97888.1	85799.2	76151.6
12.5°	178194.0	217116.3	248058.5	259976.7	248058.5	217116.3	178194.0	146564.0	116278.7	97888.1	84038.3
10°	261098.8	332867.4	395086.3	418035.1	395086.3	332867.4	261098.8	191298.5	146564.0	112684.8	91726.6
7.5°	373489.3	520070.0	673552.8	739272.7	673552.8	520070.0	373489.3	261098.8	178194.0	131903.6	102320.6
5°	520070.0	809878.4	#####	#####	#####	809878.4	520070.0	332867.4	217116.3	149683.4	110520.8
2.5°	673552.8	#####	#####	#####	#####	#####	673552.8	395086.3	248058.5	160878.1	115622.4
0°	739272.7	#####	#####	#####	#####	#####	739272.7	418035.1	259976.7	164707.7	117355.8
-2.5°	673552.8	#####	#####	#####	#####	#####	673552.8	395086.3	248058.5	160878.1	115622.4
-5°	520070.0	809878.4	#####	#####	#####	809878.4	520070.0	332867.4	217116.3	149683.4	110520.8
-7.5°	373489.3	520070.0	673552.8	739272.7	673552.8	520070.0	373489.3	261098.8	178194.0	131903.6	102320.6
-10°	261098.8	332867.4	395086.3	418035.1	395086.3	332867.4	261098.8	191298.5	146564.0	112684.8	91726.6
-12.5°	178194.0	217116.3	248058.5	259976.7	248058.5	217116.3	178194.0	146564.0	116278.7	97888.1	84038.3
-15°	131903.6	149683.4	160878.1	164707.7	160878.1	149683.4	131903.6	112684.8	97888.1	85799.2	76151.6
-17.5°	102320.6	110520.8	115622.4	117355.8	115622.4	110520.8	102320.6	91726.6	84038.3	76151.6	70275.5
-20°	84538.8	88724.7	91307.7	92181.4	91307.7	88724.7	84538.8	78904.4	74190.0	69350.4	65724.5



REPORT NUMBER: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	73457.0	75706.1	77085.9	77551.1	77085.9	75706.1	73457.0	70406.4	67403.6	64643.9	62040.8
-25°	66402.8	67663.1	68433.1	68692.1	68433.1	67663.1	66402.8	64683.3	62730.7	60999.9	58797.6
-27.5°	61728.1	62508.2	62983.2	63142.7	62983.2	62508.2	61728.1	60659.1	59315.8	56417.6	53113.5
-30°	56987.1	58280.0	59065.3	59328.7	59065.3	58280.0	56987.1	55209.3	52975.6	48675.4	43164.0
-32.5°	48495.5	50623.8	51914.1	52346.5	51914.1	50623.8	48495.5	45560.9	41861.0	37074.2	31160.6
-35°	35619.7	37878.6	39246.0	39703.8	39246.0	37878.6	35619.7	32498.1	28551.6	23917.9	18894.9
-37.5°	21557.5	23458.7	24608.1	24992.7	24608.1	23458.7	21557.5	18925.4	15590.3	11585.3	8961.6
-40°	9713.1	10676.0	11257.5	11452.0	11257.5	10676.0	9713.1	8378.1	6683.3	4643.5	3434.8
-42.5°	3464.8	3742.1	3909.4	3965.3	3909.4	3742.1	3464.8	3079.9	2590.5	2000.5	1520.3
-45°	1470.6	1550.3	1598.3	1614.4	1598.3	1550.3	1470.6	1359.8	1218.8	1048.5	872.9
-47.5°	854.3	867.3	875.2	877.8	875.2	867.3	854.3	836.2	813.2	785.3	752.7
-50°	728.5	738.6	744.7	746.7	744.7	738.6	728.5	714.4	696.5	674.8	649.4
-52.5°	617.5	627.6	633.7	635.7	633.7	627.6	617.5	603.5	585.6	563.8	538.4
-55°	503.5	509.7	513.4	514.6	513.4	509.7	503.5	495.0	484.1	470.8	455.3
-57.5°	432.6	433.3	433.8	433.9	433.8	433.3	432.6	431.7	430.4	428.9	427.1
-60°	420.4	422.3	423.4	423.8	423.4	422.3	420.4	417.7	414.3	410.2	405.4
-62.5°	369.8	383.0	390.9	393.5	390.9	383.0	369.8	351.5	328.1	299.6	266.1
-65°	155.9	158.9	160.8	161.4	160.8	158.9	155.9	151.6	146.1	139.4	131.6
-67.5°	100.1	100.5	100.8	100.9	100.8	100.5	100.1	99.4	98.6	97.6	96.5
-70°	89.4	90.2	90.6	90.8	90.6	90.2	89.4	88.2	86.8	85.1	83.0
-72.5°	70.0	70.3	70.5	70.6	70.5	70.3	70.0	69.5	68.9	68.1	67.2
-75°	60.0	60.3	60.4	60.5	60.4	60.3	60.0	59.6	59.0	58.4	57.6
-77.5°	50.0	50.2	50.4	50.4	50.4	50.2	50.0	49.6	49.2	48.7	48.1
-80°	40.1	40.2	40.4	40.4	40.4	40.2	40.1	39.8	39.4	39.0	38.5
-82.5°	30.0	30.2	30.3	30.3	30.3	30.2	30.0	29.8	29.6	29.3	28.9
-85°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
-87.5°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.9	19.7	19.5	19.3
-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: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-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°	19.0	18.7	18.3	17.9	17.5	17.0	16.5	16.0	15.5	14.9	14.3
85°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
82.5°	28.5	28.0	27.4	26.9	26.2	25.5	24.8	24.0	23.2	22.3	21.4
80°	37.9	37.3	36.6	35.8	34.9	34.0	33.0	32.0	30.9	29.7	28.5
77.5°	47.3	46.5	45.7	44.7	43.6	42.5	41.2	39.9	38.6	37.1	35.6
75°	56.8	55.8	54.7	53.5	52.2	50.8	49.4	47.8	46.1	44.4	42.6
72.5°	66.2	65.1	63.8	62.4	60.9	59.3	57.5	55.7	53.7	51.6	49.5
70°	80.7	78.0	75.1	71.9	69.5	67.6	65.6	63.5	61.3	58.9	56.4
67.5°	95.1	93.6	92.0	89.5	85.6	81.3	76.8	72.0	68.8	66.1	63.3
65°	122.7	112.6	101.4	98.9	96.7	94.4	91.8	87.5	81.8	75.9	70.1
62.5°	227.8	184.8	155.1	141.5	126.8	111.0	99.8	96.8	93.7	90.0	83.2
60°	399.9	393.6	342.1	284.7	222.6	160.0	141.5	122.0	101.4	97.4	93.6
57.5°	425.1	420.9	413.4	405.2	396.3	342.1	264.7	182.8	144.6	121.2	100.2
55°	437.6	431.9	429.1	426.2	421.2	410.8	399.9	353.4	260.2	163.0	135.4
52.5°	511.2	489.5	465.7	439.8	431.1	427.4	422.7	410.2	397.1	316.3	207.5
50°	619.2	583.9	545.2	506.9	476.7	444.5	431.0	426.5	417.7	403.1	350.2
47.5°	720.4	685.5	647.0	602.6	553.8	506.1	469.5	433.5	428.5	422.3	406.1
45°	832.8	788.1	740.3	695.4	647.3	592.6	533.8	486.3	443.5	429.5	423.8
42.5°	1276.5	1005.7	847.8	790.8	732.5	677.8	618.9	553.2	494.8	447.7	429.5
40°	2594.1	1662.1	1310.7	967.3	828.5	759.6	696.4	632.1	559.7	494.8	443.5
37.5°	6069.9	3622.4	2530.1	1533.6	1142.4	851.5	774.6	702.6	632.1	553.2	486.3
35°	13247.7	9004.5	5272.8	3120.7	1789.9	1231.0	859.2	774.6	696.4	618.9	533.8
32.5°	24572.7	17879.3	11006.3	6737.9	3419.7	1935.6	1231.0	851.5	759.6	677.8	592.6
30°	36577.1	28758.5	20714.4	12482.1	7230.6	3419.7	1789.9	1142.4	828.5	732.5	647.3
27.5°	47096.2	39875.2	30904.3	21669.1	12482.1	6737.9	3120.7	1533.6	967.3	790.8	695.4
25°	54836.8	49100.4	40839.4	30904.3	20714.4	11006.3	5272.8	2530.1	1310.7	847.8	740.3
22.5°	59703.8	55419.5	49100.4	39875.2	28758.5	17879.3	9004.5	3622.4	1662.1	1005.7	788.1
20°	62393.8	59703.8	54836.8	47096.2	36577.1	24572.7	13247.7	6069.9	2594.1	1276.5	832.8
17.5°	65724.5	62040.8	58797.6	53113.5	43164.0	31160.6	18894.9	8961.6	3434.8	1520.3	872.9
15°	69350.4	64643.9	60999.9	56417.6	48675.4	37074.2	23917.9	11585.3	4643.5	2000.5	1048.5
12.5°	74190.0	67403.6	62730.7	59315.8	52975.6	41861.0	28551.6	15590.3	6683.3	2590.5	1218.8
10°	78904.4	70406.4	64683.3	60659.1	55209.3	45560.9	32498.1	18925.4	8378.1	3079.9	1359.8
7.5°	84538.8	73457.0	66402.8	61728.1	56987.1	48495.5	35619.7	21557.5	9713.1	3464.8	1470.6
5°	88724.7	75706.1	67663.1	62508.2	58280.0	50623.8	37878.6	23458.7	10676.0	3742.1	1550.3
2.5°	91307.7	77085.9	68433.1	62983.2	59065.3	51914.1	39246.0	24608.1	11257.5	3909.4	1598.3
0°	92181.4	77551.1	68692.1	63142.7	59328.7	52346.5	39703.8	24992.7	11452.0	3965.3	1614.4
-2.5°	91307.7	77085.9	68433.1	62983.2	59065.3	51914.1	39246.0	24608.1	11257.5	3909.4	1598.3
-5°	88724.7	75706.1	67663.1	62508.2	58280.0	50623.8	37878.6	23458.7	10676.0	3742.1	1550.3
-7.5°	84538.8	73457.0	66402.8	61728.1	56987.1	48495.5	35619.7	21557.5	9713.1	3464.8	1470.6
-10°	78904.4	70406.4	64683.3	60659.1	55209.3	45560.9	32498.1	18925.4	8378.1	3079.9	1359.8
-12.5°	74190.0	67403.6	62730.7	59315.8	52975.6	41861.0	28551.6	15590.3	6683.3	2590.5	1218.8
-15°	69350.4	64643.9	60999.9	56417.6	48675.4	37074.2	23917.9	11585.3	4643.5	2000.5	1048.5
-17.5°	65724.5	62040.8	58797.6	53113.5	43164.0	31160.6	18894.9	8961.6	3434.8	1520.3	872.9
-20°	62393.8	59703.8	54836.8	47096.2	36577.1	24572.7	13247.7	6069.9	2594.1	1276.5	832.8



REPORT NUMBER: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	59703.8	55419.5	49100.4	39875.2	28758.5	17879.3	9004.5	3622.4	1662.1	1005.7	788.1
-25°	54836.8	49100.4	40839.4	30904.3	20714.4	11006.3	5272.8	2530.1	1310.7	847.8	740.3
-27.5°	47096.2	39875.2	30904.3	21669.1	12482.1	6737.9	3120.7	1533.6	967.3	790.8	695.4
-30°	36577.1	28758.5	20714.4	12482.1	7230.6	3419.7	1789.9	1142.4	828.5	732.5	647.3
-32.5°	24572.7	17879.3	11006.3	6737.9	3419.7	1935.6	1231.0	851.5	759.6	677.8	592.6
-35°	13247.7	9004.5	5272.8	3120.7	1789.9	1231.0	859.2	774.6	696.4	618.9	533.8
-37.5°	6069.9	3622.4	2530.1	1533.6	1142.4	851.5	774.6	702.6	632.1	553.2	486.3
-40°	2594.1	1662.1	1310.7	967.3	828.5	759.6	696.4	632.1	559.7	494.8	443.5
-42.5°	1276.5	1005.7	847.8	790.8	732.5	677.8	618.9	553.2	494.8	447.7	429.5
-45°	832.8	788.1	740.3	695.4	647.3	592.6	533.8	486.3	443.5	429.5	423.8
-47.5°	720.4	685.5	647.0	602.6	553.8	506.1	469.5	433.5	428.5	422.3	406.1
-50°	619.2	583.9	545.2	506.9	476.7	444.5	431.0	426.5	417.7	403.1	350.2
-52.5°	511.2	489.5	465.7	439.8	431.1	427.4	422.7	410.2	397.1	316.3	207.5
-55°	437.6	431.9	429.1	426.2	421.2	410.8	399.9	353.4	260.2	163.0	135.4
-57.5°	425.1	420.9	413.4	405.2	396.3	342.1	264.7	182.8	144.6	121.2	100.2
-60°	399.9	393.6	342.1	284.7	222.6	160.0	141.5	122.0	101.4	97.4	93.6
-62.5°	227.8	184.8	155.1	141.5	126.8	111.0	99.8	96.8	93.7	90.0	83.2
-65°	122.7	112.6	101.4	98.9	96.7	94.4	91.8	87.5	81.8	75.9	70.1
-67.5°	95.1	93.6	92.0	89.5	85.6	81.3	76.8	72.0	68.8	66.1	63.3
-70°	80.7	78.0	75.1	71.9	69.5	67.6	65.6	63.5	61.3	58.9	56.4
-72.5°	66.2	65.1	63.8	62.4	60.9	59.3	57.5	55.7	53.7	51.6	49.5
-75°	56.8	55.8	54.7	53.5	52.2	50.8	49.4	47.8	46.1	44.4	42.6
-77.5°	47.3	46.5	45.7	44.7	43.6	42.5	41.2	39.9	38.6	37.1	35.6
-80°	37.9	37.3	36.6	35.8	34.9	34.0	33.0	32.0	30.9	29.7	28.5
-82.5°	28.5	28.0	27.4	26.9	26.2	25.5	24.8	24.0	23.2	22.3	21.4
-85°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
-87.5°	19.0	18.7	18.3	17.9	17.5	17.0	16.5	16.0	15.5	14.9	14.3
-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: P699858 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-2R-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°	13.6	13.0	12.3	11.6	10.9	10.1	9.3	8.5	7.7	6.9	6.1
85°	20.2	20.2	20.2	20.2	20.2	20.2	18.6	17.1	15.4	13.8	12.1
82.5°	20.4	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	18.2
80°	27.2	25.9	24.5	23.1	21.6	20.2	20.2	20.2	20.2	20.2	20.2
77.5°	34.0	32.3	30.6	28.8	27.0	25.1	23.2	21.2	20.2	20.2	20.2
75°	40.7	38.7	36.6	34.5	32.3	30.0	27.7	25.4	23.0	20.5	20.2
72.5°	47.3	45.0	42.6	40.1	37.6	34.9	32.2	29.5	26.7	23.8	21.0
70°	53.9	51.2	48.5	45.7	42.8	39.8	36.7	33.6	30.4	27.1	23.8
67.5°	60.4	57.4	54.3	51.1	47.9	44.5	41.1	37.6	34.0	30.4	26.7
65°	66.9	63.6	60.1	56.6	52.9	49.2	45.4	41.6	37.6	33.6	29.5
62.5°	76.1	69.7	65.9	61.9	57.9	53.8	49.6	45.4	41.1	36.7	32.2
60°	88.7	80.7	72.4	67.2	62.9	58.4	53.8	49.2	44.5	39.8	34.9
57.5°	96.0	91.6	83.5	74.2	67.7	62.9	57.9	52.9	47.9	42.8	37.6
55°	108.1	97.4	92.6	84.4	74.2	67.2	61.9	56.6	51.1	45.7	40.1
52.5°	144.1	113.9	97.9	92.6	83.5	72.4	65.9	60.1	54.3	48.5	42.6
50°	229.9	147.0	113.9	97.4	91.6	80.7	69.7	63.6	57.4	51.2	45.0
47.5°	361.6	229.9	144.1	108.1	96.0	88.7	76.1	66.9	60.4	53.9	47.3
45°	406.1	350.2	207.5	135.4	100.2	93.6	83.2	70.1	63.3	56.4	49.5
42.5°	422.3	403.1	316.3	163.0	121.2	97.4	90.0	75.9	66.1	58.9	51.6
40°	428.5	417.7	397.1	260.2	144.6	101.4	93.7	81.8	68.8	61.3	53.7
37.5°	433.5	426.5	410.2	353.4	182.8	122.0	96.8	87.5	72.0	63.5	55.7
35°	469.5	431.0	422.7	399.9	264.7	141.5	99.8	91.8	76.8	65.6	57.5
32.5°	506.1	444.5	427.4	410.8	342.1	160.0	111.0	94.4	81.3	67.6	59.3
30°	553.8	476.7	431.1	421.2	396.3	222.6	126.8	96.7	85.6	69.5	60.9
27.5°	602.6	506.9	439.8	426.2	405.2	284.7	141.5	98.9	89.5	71.9	62.4
25°	647.0	545.2	465.7	429.1	413.4	342.1	155.1	101.4	92.0	75.1	63.8
22.5°	685.5	583.9	489.5	431.9	420.9	393.6	184.8	112.6	93.6	78.0	65.1
20°	720.4	619.2	511.2	437.6	425.1	399.9	227.8	122.7	95.1	80.7	66.2
17.5°	752.7	649.4	538.4	455.3	427.1	405.4	266.1	131.6	96.5	83.0	67.2
15°	785.3	674.8	563.8	470.8	428.9	410.2	299.6	139.4	97.6	85.1	68.1
12.5°	813.2	696.5	585.6	484.1	430.4	414.3	328.1	146.1	98.6	86.8	68.9
10°	836.2	714.4	603.5	495.0	431.7	417.7	351.5	151.6	99.4	88.2	69.5
7.5°	854.3	728.5	617.5	503.5	432.6	420.4	369.8	155.9	100.1	89.4	70.0
5°	867.3	738.6	627.6	509.7	433.3	422.3	383.0	158.9	100.5	90.2	70.3
2.5°	875.2	744.7	633.7	513.4	433.8	423.4	390.9	160.8	100.8	90.6	70.5
0°	877.8	746.7	635.7	514.6	433.9	423.8	393.5	161.4	100.9	90.8	70.6
-2.5°	875.2	744.7	633.7	513.4	433.8	423.4	390.9	160.8	100.8	90.6	70.5
-5°	867.3	738.6	627.6	509.7	433.3	422.3	383.0	158.9	100.5	90.2	70.3
-7.5°	854.3	728.5	617.5	503.5	432.6	420.4	369.8	155.9	100.1	89.4	70.0
-10°	836.2	714.4	603.5	495.0	431.7	417.7	351.5	151.6	99.4	88.2	69.5
-12.5°	813.2	696.5	585.6	484.1	430.4	414.3	328.1	146.1	98.6	86.8	68.9
-15°	785.3	674.8	563.8	470.8	428.9	410.2	299.6	139.4	97.6	85.1	68.1
-17.5°	752.7	649.4	538.4	455.3	427.1	405.4	266.1	131.6	96.5	83.0	67.2
-20°	720.4	619.2	511.2	437.6	425.1	399.9	227.8	122.7	95.1	80.7	66.2



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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°	685.5	583.9	489.5	431.9	420.9	393.6	184.8	112.6	93.6	78.0	65.1
-25°	647.0	545.2	465.7	429.1	413.4	342.1	155.1	101.4	92.0	75.1	63.8
-27.5°	602.6	506.9	439.8	426.2	405.2	284.7	141.5	98.9	89.5	71.9	62.4
-30°	553.8	476.7	431.1	421.2	396.3	222.6	126.8	96.7	85.6	69.5	60.9
-32.5°	506.1	444.5	427.4	410.8	342.1	160.0	111.0	94.4	81.3	67.6	59.3
-35°	469.5	431.0	422.7	399.9	264.7	141.5	99.8	91.8	76.8	65.6	57.5
-37.5°	433.5	426.5	410.2	353.4	182.8	122.0	96.8	87.5	72.0	63.5	55.7
-40°	428.5	417.7	397.1	260.2	144.6	101.4	93.7	81.8	68.8	61.3	53.7
-42.5°	422.3	403.1	316.3	163.0	121.2	97.4	90.0	75.9	66.1	58.9	51.6
-45°	406.1	350.2	207.5	135.4	100.2	93.6	83.2	70.1	63.3	56.4	49.5
-47.5°	361.6	229.9	144.1	108.1	96.0	88.7	76.1	66.9	60.4	53.9	47.3
-50°	229.9	147.0	113.9	97.4	91.6	80.7	69.7	63.6	57.4	51.2	45.0
-52.5°	144.1	113.9	97.9	92.6	83.5	72.4	65.9	60.1	54.3	48.5	42.6
-55°	108.1	97.4	92.6	84.4	74.2	67.2	61.9	56.6	51.1	45.7	40.1
-57.5°	96.0	91.6	83.5	74.2	67.7	62.9	57.9	52.9	47.9	42.8	37.6
-60°	88.7	80.7	72.4	67.2	62.9	58.4	53.8	49.2	44.5	39.8	34.9
-62.5°	76.1	69.7	65.9	61.9	57.9	53.8	49.6	45.4	41.1	36.7	32.2
-65°	66.9	63.6	60.1	56.6	52.9	49.2	45.4	41.6	37.6	33.6	29.5
-67.5°	60.4	57.4	54.3	51.1	47.9	44.5	41.1	37.6	34.0	30.4	26.7
-70°	53.9	51.2	48.5	45.7	42.8	39.8	36.7	33.6	30.4	27.1	23.8
-72.5°	47.3	45.0	42.6	40.1	37.6	34.9	32.2	29.5	26.7	23.8	21.0
-75°	40.7	38.7	36.6	34.5	32.3	30.0	27.7	25.4	23.0	20.5	20.2
-77.5°	34.0	32.3	30.6	28.8	27.0	25.1	23.2	21.2	20.2	20.2	20.2
-80°	27.2	25.9	24.5	23.1	21.6	20.2	20.2	20.2	20.2	20.2	20.2
-82.5°	20.4	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	18.2
-85°	20.2	20.2	20.2	20.2	20.2	20.2	18.6	17.1	15.4	13.8	12.1
-87.5°	13.6	13.0	12.3	11.6	10.9	10.1	9.3	8.5	7.7	6.9	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°	5.2	4.4	3.5	2.6	1.8	0.9	0.0
85°	10.4	8.7	7.0	5.3	3.5	1.8	0.0
82.5°	15.6	13.1	10.5	7.9	5.3	2.6	0.0
80°	20.2	17.4	14.0	10.5	7.0	3.5	0.0
77.5°	20.2	20.2	17.4	13.1	8.7	4.4	0.0
75°	20.2	20.2	20.2	15.6	10.4	5.2	0.0
72.5°	20.2	20.2	20.2	18.2	12.1	6.1	0.0
70°	20.5	20.2	20.2	20.2	13.8	6.9	0.0
67.5°	23.0	20.2	20.2	20.2	15.4	7.7	0.0
65°	25.4	21.2	20.2	20.2	17.1	8.5	0.0
62.5°	27.7	23.2	20.2	20.2	18.6	9.3	0.0
60°	30.0	25.1	20.2	20.2	20.2	10.1	0.0
57.5°	32.3	27.0	21.6	20.2	20.2	10.9	0.0
55°	34.5	28.8	23.1	20.2	20.2	11.6	0.0
52.5°	36.6	30.6	24.5	20.2	20.2	12.3	0.0
50°	38.7	32.3	25.9	20.2	20.2	13.0	0.0
47.5°	40.7	34.0	27.2	20.4	20.2	13.6	0.0
45°	42.6	35.6	28.5	21.4	20.2	14.3	0.0
42.5°	44.4	37.1	29.7	22.3	20.2	14.9	0.0
40°	46.1	38.6	30.9	23.2	20.2	15.5	0.0
37.5°	47.8	39.9	32.0	24.0	20.2	16.0	0.0
35°	49.4	41.2	33.0	24.8	20.2	16.5	0.0
32.5°	50.8	42.5	34.0	25.5	20.2	17.0	0.0
30°	52.2	43.6	34.9	26.2	20.2	17.5	0.0
27.5°	53.5	44.7	35.8	26.9	20.2	17.9	0.0
25°	54.7	45.7	36.6	27.4	20.2	18.3	0.0
22.5°	55.8	46.5	37.3	28.0	20.2	18.7	0.0
20°	56.8	47.3	37.9	28.5	20.2	19.0	0.0
17.5°	57.6	48.1	38.5	28.9	20.2	19.3	0.0
15°	58.4	48.7	39.0	29.3	20.2	19.5	0.0
12.5°	59.0	49.2	39.4	29.6	20.2	19.7	0.0
10°	59.6	49.6	39.8	29.8	20.2	19.9	0.0
7.5°	60.0	50.0	40.1	30.0	20.2	20.0	0.0
5°	60.3	50.2	40.2	30.2	20.2	20.1	0.0
2.5°	60.4	50.4	40.4	30.3	20.2	20.2	0.0
0°	60.5	50.4	40.4	30.3	20.2	20.2	0.0
-2.5°	60.4	50.4	40.4	30.3	20.2	20.2	0.0
-5°	60.3	50.2	40.2	30.2	20.2	20.1	0.0
-7.5°	60.0	50.0	40.1	30.0	20.2	20.0	0.0
-10°	59.6	49.6	39.8	29.8	20.2	19.9	0.0
-12.5°	59.0	49.2	39.4	29.6	20.2	19.7	0.0
-15°	58.4	48.7	39.0	29.3	20.2	19.5	0.0
-17.5°	57.6	48.1	38.5	28.9	20.2	19.3	0.0
-20°	56.8	47.3	37.9	28.5	20.2	19.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	55.8	46.5	37.3	28.0	20.2	18.7	0.0
-25°	54.7	45.7	36.6	27.4	20.2	18.3	0.0
-27.5°	53.5	44.7	35.8	26.9	20.2	17.9	0.0
-30°	52.2	43.6	34.9	26.2	20.2	17.5	0.0
-32.5°	50.8	42.5	34.0	25.5	20.2	17.0	0.0
-35°	49.4	41.2	33.0	24.8	20.2	16.5	0.0
-37.5°	47.8	39.9	32.0	24.0	20.2	16.0	0.0
-40°	46.1	38.6	30.9	23.2	20.2	15.5	0.0
-42.5°	44.4	37.1	29.7	22.3	20.2	14.9	0.0
-45°	42.6	35.6	28.5	21.4	20.2	14.3	0.0
-47.5°	40.7	34.0	27.2	20.4	20.2	13.6	0.0
-50°	38.7	32.3	25.9	20.2	20.2	13.0	0.0
-52.5°	36.6	30.6	24.5	20.2	20.2	12.3	0.0
-55°	34.5	28.8	23.1	20.2	20.2	11.6	0.0
-57.5°	32.3	27.0	21.6	20.2	20.2	10.9	0.0
-60°	30.0	25.1	20.2	20.2	20.2	10.1	0.0
-62.5°	27.7	23.2	20.2	20.2	18.6	9.3	0.0
-65°	25.4	21.2	20.2	20.2	17.1	8.5	0.0
-67.5°	23.0	20.2	20.2	20.2	15.4	7.7	0.0
-70°	20.5	20.2	20.2	20.2	13.8	6.9	0.0
-72.5°	20.2	20.2	20.2	18.2	12.1	6.1	0.0
-75°	20.2	20.2	20.2	15.6	10.4	5.2	0.0
-77.5°	20.2	20.2	17.4	13.1	8.7	4.4	0.0
-80°	20.2	17.4	14.0	10.5	7.0	3.5	0.0
-82.5°	15.6	13.1	10.5	7.9	5.3	2.6	0.0
-85°	10.4	8.7	7.0	5.3	3.5	1.8	0.0
-87.5°	5.2	4.4	3.5	2.6	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)