

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: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-40-70-3R-S**

Issue Date: 8/10/2023

Test Information

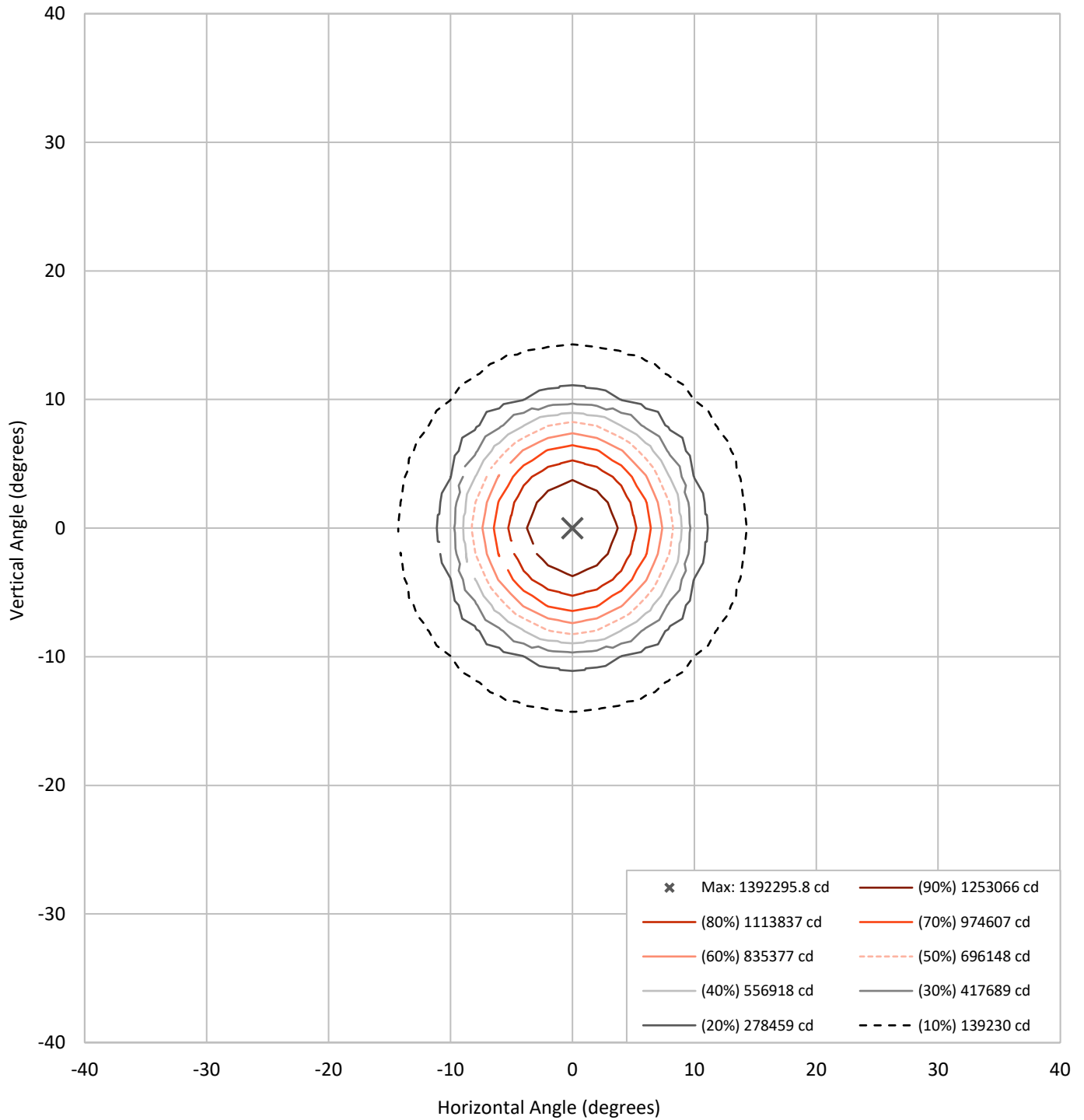
Test Method: LM-79-08
Report Number: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-50)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-40-70-3R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 CRI LEDS AND 3R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	176787.5 lumens	Max Intensity:	1392295.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	140.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	16.5°H x 16.5°V	Field Angle (10%):	28.4°H x 28.4°V
Beam Lumens:	64645.6 lumens	Field Lumens:	105088.5 lumens
Beam Efficiency:	36.6%	Field Efficiency:	59.4%
Input Watts (W):	1255.9		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





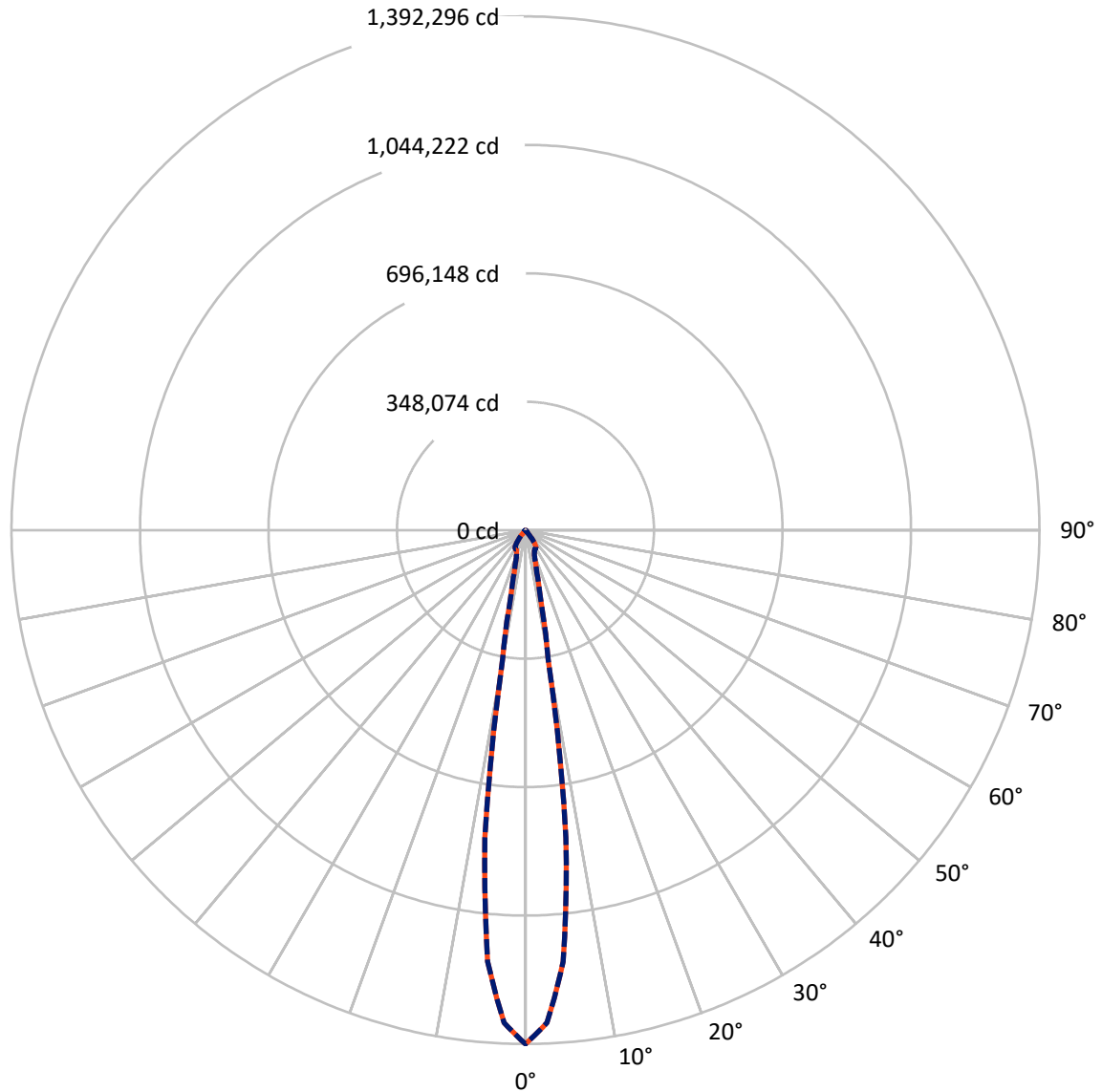
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Lumen Table

90	0.1	0.9		2.2		3.5		4.1		3.5		2.2		0.9		0.1
80	0.1	0.9		2.2		3.5		4.1		3.5		2.2		0.9		0.1
70	0.4	0.4	0.8	1.5	2.3	3.3	4.3	4.8	4.8	4.3	3.3	2.3	1.5	0.8	0.4	0.4
60		0.6	1.4	3.0	5.9	10.9	16.1	19.1	19.1	16.1	10.9	5.9	3.0	1.4	0.6	
50	0.7	0.9	2.5	6.8	16.7	27.3	55.9	93.0	93.0	55.9	27.3	16.7	6.8	2.5	0.9	0.7
40		1.2	4.2	14.5	36.0	230.4	735.7	1097.6	1097.6	735.7	230.4	36.0	14.5	4.2	1.2	
30	0.9	1.6	7.0	21.4	210.6	1073.2	1626.2	1804.1	1804.1	1626.2	1073.2	210.6	21.4	7.0	1.6	0.9
20		1.9	9.8	41.9	633.4	1526.9	2082.4	3751.4	3751.4	2082.4	1526.9	633.4	41.9	9.8	1.9	
10	1.0	2.1	11.2	68.3	914.1	1643.3	3652.5	22705.2	22705.2	3652.5	1643.3	914.1	68.3	11.2	2.1	1.0
0		2.1	11.2	68.3	914.1	1643.3	3652.5	22705.2	22705.2	3652.5	1643.3	914.1	68.3	11.2	2.1	
-10	0.9	1.9	9.8	41.9	633.4	1526.9	2082.4	3751.4	3751.4	2082.4	1526.9	633.4	41.9	9.8	1.9	0.9
-20		1.6	7.0	21.4	210.6	1073.2	1626.2	1804.1	1804.1	1626.2	1073.2	210.6	21.4	7.0	1.6	
-30	0.7	1.2	4.2	14.5	36.0	230.4	735.7	1097.6	1097.6	735.7	230.4	36.0	14.5	4.2	1.2	0.7
-40		0.9	2.5	6.8	16.7	27.3	55.9	93.0	93.0	55.9	27.3	16.7	6.8	2.5	0.9	
-50	0.4	0.6	1.4	3.0	5.9	10.9	16.1	19.1	19.1	16.1	10.9	5.9	3.0	1.4	0.6	0.4
-60		0.4	0.8	1.5	2.3	3.3	4.3	4.8	4.8	4.3	3.3	2.3	1.5	0.8	0.4	
-70	0.1	0.9		2.2		3.5		4.1		3.5		2.2		0.9		0.1
-80		0.9		2.2		3.5		4.1		3.5		2.2		0.9		
-90	0.1	0.9		2.2		3.5		4.1		3.5		2.2		0.9		0.1

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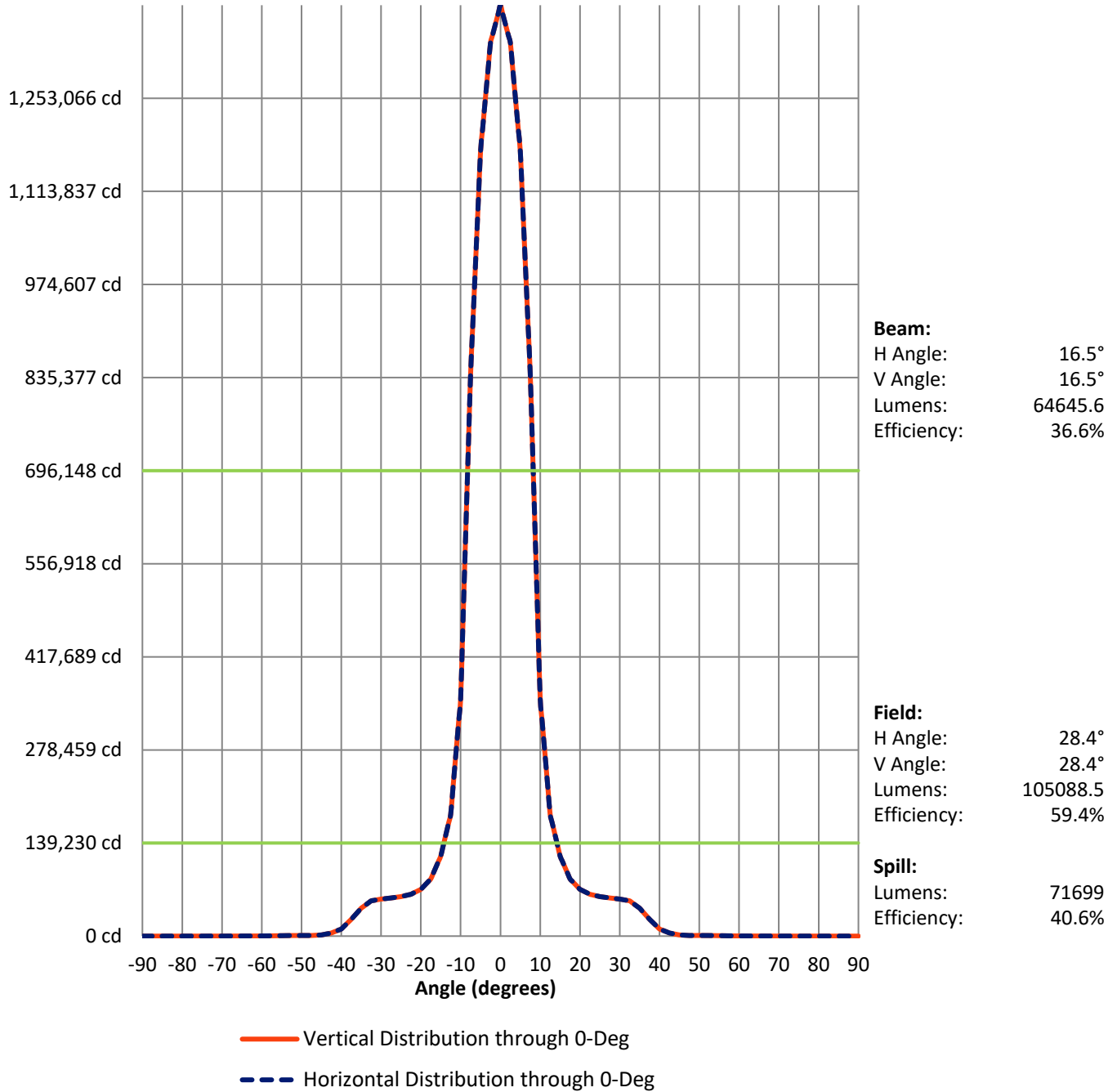
Luminous Intensity Polar Plot



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

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CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-S

Luminous Intensity Plot





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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	0.4	0.9	1.3	1.8	2.2	2.6	3.0	3.5	3.9	4.3
85°	0.0	0.9	1.8	2.6	3.5	4.4	5.2	6.1	6.9	7.7	8.5
82.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.1	10.1	10.1
80°	0.0	1.8	3.5	5.2	7.0	8.7	10.1	10.1	10.1	10.1	10.1
77.5°	0.0	2.2	4.4	6.5	8.7	10.1	10.1	10.1	10.1	10.1	11.1
75°	0.0	2.6	5.2	7.8	10.1	10.1	10.1	10.1	10.4	12.9	15.3
72.5°	0.0	3.0	6.1	9.1	10.1	10.1	10.1	10.9	13.7	16.6	19.4
70°	0.0	3.5	6.9	10.1	10.1	10.1	10.4	13.7	17.0	20.3	23.5
67.5°	0.0	3.9	7.7	10.1	10.1	10.1	12.9	16.6	20.3	23.9	27.5
65°	0.0	4.3	8.5	10.1	10.1	11.1	15.3	19.4	23.5	27.5	31.5
62.5°	0.0	4.7	9.3	10.1	10.1	13.1	17.6	22.1	26.6	31.0	35.3
60°	0.0	5.0	10.1	10.1	10.1	15.0	19.9	24.8	29.7	34.4	39.1
57.5°	0.0	5.4	10.1	10.1	11.5	16.9	22.2	27.5	32.7	37.8	42.8
55°	0.0	5.8	10.1	10.1	13.0	18.7	24.4	30.0	35.6	41.0	46.5
52.5°	0.0	6.1	10.1	10.1	14.4	20.5	26.5	32.5	38.4	44.2	50.0
50°	0.0	6.5	10.1	10.1	15.8	22.2	28.6	34.9	41.1	47.3	56.6
47.5°	0.0	6.8	10.1	10.3	17.1	23.9	30.6	37.2	43.8	50.3	63.2
45°	0.0	7.1	10.1	11.3	18.4	25.5	32.5	39.4	46.3	56.1	69.7
42.5°	0.0	7.4	10.1	12.2	19.6	27.0	34.3	41.5	48.8	61.6	73.2
40°	0.0	7.7	10.1	13.1	20.8	28.5	36.0	43.6	51.9	66.9	76.2
37.5°	0.0	8.0	10.1	13.9	21.9	29.8	37.7	45.6	56.4	71.3	79.0
35°	0.0	8.3	10.1	14.7	22.9	31.1	39.3	47.4	60.7	73.7	83.8
32.5°	0.0	8.5	10.1	15.4	23.9	32.4	40.7	49.2	64.7	76.0	91.3
30°	0.0	8.7	10.1	16.1	24.8	33.5	42.1	51.2	68.4	78.1	98.4
27.5°	0.0	9.0	10.1	16.8	25.7	34.6	43.4	54.2	71.2	80.1	105.1
25°	0.0	9.2	10.1	17.3	26.5	35.6	44.6	57.0	72.9	84.2	111.3
22.5°	0.0	9.3	10.1	17.9	27.2	36.4	45.7	59.5	74.3	89.2	120.6
20°	0.0	9.5	10.1	18.4	27.8	37.2	46.7	61.8	75.6	93.7	129.1
17.5°	0.0	9.6	10.1	18.8	28.4	38.0	47.5	63.9	76.8	97.7	136.5
15°	0.0	9.8	10.1	19.2	28.9	38.6	48.3	65.6	77.8	101.2	143.1
12.5°	0.0	9.9	10.1	19.5	29.3	39.1	48.9	67.1	78.7	104.1	148.6
10°	0.0	9.9	10.1	19.7	29.7	39.5	49.5	68.4	79.4	106.6	153.2
7.5°	0.0	10.0	10.1	19.9	30.0	39.9	49.9	69.4	80.0	108.4	156.8
5°	0.0	10.1	10.1	20.1	30.1	40.1	50.2	70.0	80.4	109.8	159.3
2.5°	0.0	10.1	10.1	20.2	30.3	40.3	50.3	70.5	80.6	110.6	160.9
0°	0.0	10.1	10.1	20.2	30.3	40.3	50.3	70.5	80.6	110.6	160.9
-2.5°	0.0	10.1	10.1	20.2	30.3	40.3	50.3	70.5	80.6	110.6	160.9
-5°	0.0	10.1	10.1	20.1	30.1	40.1	50.2	70.0	80.4	109.8	159.3
-7.5°	0.0	10.0	10.1	19.9	30.0	39.9	49.9	69.4	80.0	108.4	156.8
-10°	0.0	9.9	10.1	19.7	29.7	39.5	49.5	68.4	79.4	106.6	153.2
-12.5°	0.0	9.9	10.1	19.5	29.3	39.1	48.9	67.1	78.7	104.1	148.6
-15°	0.0	9.8	10.1	19.2	28.9	38.6	48.3	65.6	77.8	101.2	143.1
-17.5°	0.0	9.6	10.1	18.8	28.4	38.0	47.5	63.9	76.8	97.7	136.5
-20°	0.0	9.5	10.1	18.4	27.8	37.2	46.7	61.8	75.6	93.7	129.1



REPORT NUMBER: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.3	10.1	17.9	27.2	36.4	45.7	59.5	74.3	89.2	120.6
-25°	0.0	9.2	10.1	17.3	26.5	35.6	44.6	57.0	72.9	84.2	111.3
-27.5°	0.0	9.0	10.1	16.8	25.7	34.6	43.4	54.2	71.2	80.1	105.1
-30°	0.0	8.7	10.1	16.1	24.8	33.5	42.1	51.2	68.4	78.1	98.4
-32.5°	0.0	8.5	10.1	15.4	23.9	32.4	40.7	49.2	64.7	76.0	91.3
-35°	0.0	8.3	10.1	14.7	22.9	31.1	39.3	47.4	60.7	73.7	83.8
-37.5°	0.0	8.0	10.1	13.9	21.9	29.8	37.7	45.6	56.4	71.3	79.0
-40°	0.0	7.7	10.1	13.1	20.8	28.5	36.0	43.6	51.9	66.9	76.2
-42.5°	0.0	7.4	10.1	12.2	19.6	27.0	34.3	41.5	48.8	61.6	73.2
-45°	0.0	7.1	10.1	11.3	18.4	25.5	32.5	39.4	46.3	56.1	69.7
-47.5°	0.0	6.8	10.1	10.3	17.1	23.9	30.6	37.2	43.8	50.3	63.2
-50°	0.0	6.5	10.1	10.1	15.8	22.2	28.6	34.9	41.1	47.3	56.6
-52.5°	0.0	6.1	10.1	10.1	14.4	20.5	26.5	32.5	38.4	44.2	50.0
-55°	0.0	5.8	10.1	10.1	13.0	18.7	24.4	30.0	35.6	41.0	46.5
-57.5°	0.0	5.4	10.1	10.1	11.5	16.9	22.2	27.5	32.7	37.8	42.8
-60°	0.0	5.0	10.1	10.1	10.1	15.0	19.9	24.8	29.7	34.4	39.1
-62.5°	0.0	4.7	9.3	10.1	10.1	13.1	17.6	22.1	26.6	31.0	35.3
-65°	0.0	4.3	8.5	10.1	10.1	11.1	15.3	19.4	23.5	27.5	31.5
-67.5°	0.0	3.9	7.7	10.1	10.1	10.1	12.9	16.6	20.3	23.9	27.5
-70°	0.0	3.5	6.9	10.1	10.1	10.1	10.4	13.7	17.0	20.3	23.5
-72.5°	0.0	3.0	6.1	9.1	10.1	10.1	10.1	10.9	13.7	16.6	19.4
-75°	0.0	2.6	5.2	7.8	10.1	10.1	10.1	10.1	10.4	12.9	15.3
-77.5°	0.0	2.2	4.4	6.5	8.7	10.1	10.1	10.1	10.1	10.1	11.1
-80°	0.0	1.8	3.5	5.2	7.0	8.7	10.1	10.1	10.1	10.1	10.1
-82.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.1	10.1	10.1
-85°	0.0	0.9	1.8	2.6	3.5	4.4	5.2	6.1	6.9	7.7	8.5
-87.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.0	3.5	3.9	4.3
-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-16-1200L-40-70-3R-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°	4.7	5.0	5.4	5.8	6.1	6.5	6.8	7.1	7.4	7.7	8.0
85°	9.3	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
82.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.3	11.3	12.2	13.1	13.9
80°	10.1	10.1	11.5	13.0	14.4	15.8	17.1	18.4	19.6	20.8	21.9
77.5°	13.1	15.0	16.9	18.7	20.5	22.2	23.9	25.5	27.0	28.5	29.8
75°	17.6	19.9	22.2	24.4	26.5	28.6	30.6	32.5	34.3	36.0	37.7
72.5°	22.1	24.8	27.5	30.0	32.5	34.9	37.2	39.4	41.5	43.6	45.6
70°	26.6	29.7	32.7	35.6	38.4	41.1	43.8	46.3	48.8	51.9	56.4
67.5°	31.0	34.4	37.8	41.0	44.2	47.3	50.3	56.1	61.6	66.9	71.3
65°	35.3	39.1	42.8	46.5	50.0	56.6	63.2	69.7	73.2	76.2	79.0
62.5°	39.5	43.7	47.8	53.3	61.1	68.7	73.3	76.9	80.3	89.3	98.7
60°	43.7	48.3	55.1	63.9	71.5	75.6	79.7	89.2	100.4	111.3	128.5
57.5°	47.8	55.1	64.8	72.4	77.0	83.2	96.2	108.8	127.8	147.4	164.2
55°	53.3	63.9	72.4	77.5	86.0	100.4	116.9	139.7	161.6	174.3	186.4
52.5°	61.1	71.5	77.0	86.0	101.9	121.7	147.0	167.4	181.6	201.2	236.1
50°	68.7	75.6	83.2	100.4	121.7	149.4	170.3	186.0	217.1	256.1	314.9
47.5°	73.3	79.7	96.2	116.9	147.0	170.3	187.5	225.0	268.2	347.6	427.8
45°	76.9	89.2	108.8	139.7	167.4	186.0	225.0	272.3	364.0	461.2	584.3
42.5°	80.3	100.4	127.8	161.6	181.6	217.1	268.2	364.0	473.3	608.8	729.9
40°	89.3	111.3	147.4	174.3	201.2	256.1	347.6	461.2	608.8	740.8	861.4
37.5°	98.7	128.5	164.2	186.4	236.1	314.9	427.8	584.3	729.9	861.4	915.9
35°	107.6	144.8	174.8	208.5	269.5	386.6	535.8	697.6	839.3	911.4	943.7
32.5°	119.4	160.2	184.9	237.8	329.9	464.1	641.0	795.5	897.9	946.0	931.9
30°	132.5	169.4	199.0	265.3	389.5	556.6	730.8	875.7	937.7	935.4	1232.1
27.5°	144.8	177.4	222.7	309.8	450.5	643.5	812.2	910.7	941.2	1030.7	1681.9
25°	156.1	184.9	244.6	357.6	525.0	716.5	875.5	943.3	932.4	1425.6	2906.2
22.5°	164.4	192.0	264.6	401.3	593.5	781.1	903.5	941.6	1074.9	1833.9	4255.7
20°	170.0	208.5	293.2	444.2	655.7	839.8	928.9	934.7	1386.3	2985.2	6354.8
17.5°	175.0	223.2	325.6	495.2	705.3	877.3	947.1	928.6	1666.7	4023.9	8656.9
15°	179.4	236.1	353.9	539.8	747.6	895.7	942.1	1124.2	2251.9	5219.3	10782.3
12.5°	183.1	247.1	378.0	577.9	783.8	911.5	937.8	1320.0	2980.9	6843.1	15071.5
10°	186.1	256.1	397.9	609.2	813.6	924.5	934.2	1482.2	3585.5	8192.3	18643.4
7.5°	188.5	263.2	413.5	633.8	837.0	934.8	931.4	1609.5	4061.0	9255.1	21462.3
5°	190.2	268.2	424.6	651.4	853.8	942.1	929.4	1701.2	4403.5	10021.7	23498.5
2.5°	191.3	271.3	431.4	662.1	863.9	946.5	928.2	1756.4	4610.2	10484.7	24729.5
0°	191.6	272.3	433.6	665.6	867.3	948.0	927.8	1774.9	4679.3	10639.5	25141.4
-2.5°	191.3	271.3	431.4	662.1	863.9	946.5	928.2	1756.4	4610.2	10484.7	24729.5
-5°	190.2	268.2	424.6	651.4	853.8	942.1	929.4	1701.2	4403.5	10021.7	23498.5
-7.5°	188.5	263.2	413.5	633.8	837.0	934.8	931.4	1609.5	4061.0	9255.1	21462.3
-10°	186.1	256.1	397.9	609.2	813.6	924.5	934.2	1482.2	3585.5	8192.3	18643.4
-12.5°	183.1	247.1	378.0	577.9	783.8	911.5	937.8	1320.0	2980.9	6843.1	15071.5
-15°	179.4	236.1	353.9	539.8	747.6	895.7	942.1	1124.2	2251.9	5219.3	10782.3
-17.5°	175.0	223.2	325.6	495.2	705.3	877.3	947.1	928.6	1666.7	4023.9	8656.9
-20°	170.0	208.5	293.2	444.2	655.7	839.8	928.9	934.7	1386.3	2985.2	6354.8



REPORT NUMBER: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	164.4	192.0	264.6	401.3	593.5	781.1	903.5	941.6	1074.9	1833.9	4255.7
-25°	156.1	184.9	244.6	357.6	525.0	716.5	875.5	943.3	932.4	1425.6	2906.2
-27.5°	144.8	177.4	222.7	309.8	450.5	643.5	812.2	910.7	941.2	1030.7	1681.9
-30°	132.5	169.4	199.0	265.3	389.5	556.6	730.8	875.7	937.7	935.4	1232.1
-32.5°	119.4	160.2	184.9	237.8	329.9	464.1	641.0	795.5	897.9	946.0	931.9
-35°	107.6	144.8	174.8	208.5	269.5	386.6	535.8	697.6	839.3	911.4	943.7
-37.5°	98.7	128.5	164.2	186.4	236.1	314.9	427.8	584.3	729.9	861.4	915.9
-40°	89.3	111.3	147.4	174.3	201.2	256.1	347.6	461.2	608.8	740.8	861.4
-42.5°	80.3	100.4	127.8	161.6	181.6	217.1	268.2	364.0	473.3	608.8	729.9
-45°	76.9	89.2	108.8	139.7	167.4	186.0	225.0	272.3	364.0	461.2	584.3
-47.5°	73.3	79.7	96.2	116.9	147.0	170.3	187.5	225.0	268.2	347.6	427.8
-50°	68.7	75.6	83.2	100.4	121.7	149.4	170.3	186.0	217.1	256.1	314.9
-52.5°	61.1	71.5	77.0	86.0	101.9	121.7	147.0	167.4	181.6	201.2	236.1
-55°	53.3	63.9	72.4	77.5	86.0	100.4	116.9	139.7	161.6	174.3	186.4
-57.5°	47.8	55.1	64.8	72.4	77.0	83.2	96.2	108.8	127.8	147.4	164.2
-60°	43.7	48.3	55.1	63.9	71.5	75.6	79.7	89.2	100.4	111.3	128.5
-62.5°	39.5	43.7	47.8	53.3	61.1	68.7	73.3	76.9	80.3	89.3	98.7
-65°	35.3	39.1	42.8	46.5	50.0	56.6	63.2	69.7	73.2	76.2	79.0
-67.5°	31.0	34.4	37.8	41.0	44.2	47.3	50.3	56.1	61.6	66.9	71.3
-70°	26.6	29.7	32.7	35.6	38.4	41.1	43.8	46.3	48.8	51.9	56.4
-72.5°	22.1	24.8	27.5	30.0	32.5	34.9	37.2	39.4	41.5	43.6	45.6
-75°	17.6	19.9	22.2	24.4	26.5	28.6	30.6	32.5	34.3	36.0	37.7
-77.5°	13.1	15.0	16.9	18.7	20.5	22.2	23.9	25.5	27.0	28.5	29.8
-80°	10.1	10.1	11.5	13.0	14.4	15.8	17.1	18.4	19.6	20.8	21.9
-82.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.3	11.3	12.2	13.1	13.9
-85°	9.3	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
-87.5°	4.7	5.0	5.4	5.8	6.1	6.5	6.8	7.1	7.4	7.7	8.0
-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: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-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°	8.3	8.5	8.7	9.0	9.2	9.3	9.5	9.6	9.8	9.9	9.9
85°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
82.5°	14.7	15.4	16.1	16.8	17.3	17.9	18.4	18.8	19.2	19.5	19.7
80°	22.9	23.9	24.8	25.7	26.5	27.2	27.8	28.4	28.9	29.3	29.7
77.5°	31.1	32.4	33.5	34.6	35.6	36.4	37.2	38.0	38.6	39.1	39.5
75°	39.3	40.7	42.1	43.4	44.6	45.7	46.7	47.5	48.3	48.9	49.5
72.5°	47.4	49.2	51.2	54.2	57.0	59.5	61.8	63.9	65.6	67.1	68.4
70°	60.7	64.7	68.4	71.2	72.9	74.3	75.6	76.8	77.8	78.7	79.4
67.5°	73.7	76.0	78.1	80.1	84.2	89.2	93.7	97.7	101.2	104.1	106.6
65°	83.8	91.3	98.4	105.1	111.3	120.6	129.1	136.5	143.1	148.6	153.2
62.5°	107.6	119.4	132.5	144.8	156.1	164.4	170.0	175.0	179.4	183.1	186.1
60°	144.8	160.2	169.4	177.4	184.9	192.0	208.5	223.2	236.1	247.1	256.1
57.5°	174.8	184.9	199.0	222.7	244.6	264.6	293.2	325.6	353.9	378.0	397.9
55°	208.5	237.8	265.3	309.8	357.6	401.3	444.2	495.2	539.8	577.9	609.2
52.5°	269.5	329.9	389.5	450.5	525.0	593.5	655.7	705.3	747.6	783.8	813.6
50°	386.6	464.1	556.6	643.5	716.5	781.1	839.8	877.3	895.7	911.5	924.5
47.5°	535.8	641.0	730.8	812.2	875.5	903.5	928.9	947.1	942.1	937.8	934.2
45°	697.6	795.5	875.7	910.7	943.3	941.6	934.7	928.6	1124.2	1320.0	1482.2
42.5°	839.3	897.9	937.7	941.2	932.4	1074.9	1386.3	1666.7	2251.9	2980.9	3585.5
40°	911.4	946.0	935.4	1030.7	1425.6	1833.9	2985.2	4023.9	5219.3	6843.1	8192.3
37.5°	943.7	931.9	1232.1	1681.9	2906.2	4255.7	6354.8	8656.9	10782.3	15071.5	18643.4
35°	930.7	1334.0	1991.7	3635.9	5720.2	8691.0	12562.7	18610.8	23990.3	29157.1	33610.2
32.5°	1334.0	2171.7	4005.3	6886.6	10284.7	17523.1	24691.6	32101.1	38773.7	43614.8	46828.8
30°	1991.7	4005.3	7278.8	11742.7	20559.4	29390.6	38212.9	44746.7	49534.3	52964.1	53819.0
27.5°	3635.9	6886.6	11742.7	21581.9	31811.9	41889.8	48162.5	53016.9	54281.5	55390.8	55979.7
25°	5720.2	10284.7	20559.4	31811.9	42727.4	49903.5	53676.5	55192.4	56129.3	56889.0	57629.8
22.5°	8691.0	17523.1	29390.6	41889.8	49903.5	53899.5	55560.3	56586.1	57615.4	58618.5	59762.0
20°	12562.7	24691.6	38212.9	48162.5	53676.5	55560.3	56741.1	58008.2	59346.1	61252.3	63259.9
17.5°	18610.8	32101.1	44746.7	53016.9	55192.4	56586.1	58008.2	59710.4	62024.9	65853.9	69738.5
15°	23990.3	38773.7	49534.3	54281.5	56129.3	57615.4	59346.1	62024.9	66743.6	73495.7	82641.9
12.5°	29157.1	43614.8	52964.1	55390.8	56889.0	58618.5	61252.3	65853.9	73495.7	84863.3	106641.9
10°	33610.2	46828.8	53819.0	55979.7	57629.8	59762.0	63259.9	69738.5	82641.9	106641.9	138346.5
7.5°	37132.5	49378.1	54499.5	56448.9	58254.7	60963.6	66106.7	76235.6	96044.8	129185.2	182959.7
5°	39681.4	51226.8	54994.3	56791.3	58712.8	61849.4	68221.8	81304.3	108896.8	154549.2	243581.7
2.5°	41224.3	52347.7	55294.9	56999.8	58992.7	62392.9	69526.9	84457.7	116988.7	174270.5	324107.8
0°	41740.9	52723.3	55395.7	57069.8	59086.8	62576.1	69968.3	85529.1	119756.9	182212.0	355377.8
-2.5°	41224.3	52347.7	55294.9	56999.8	58992.7	62392.9	69526.9	84457.7	116988.7	174270.5	324107.8
-5°	39681.4	51226.8	54994.3	56791.3	58712.8	61849.4	68221.8	81304.3	108896.8	154549.2	243581.7
-7.5°	37132.5	49378.1	54499.5	56448.9	58254.7	60963.6	66106.7	76235.6	96044.8	129185.2	182959.7
-10°	33610.2	46828.8	53819.0	55979.7	57629.8	59762.0	63259.9	69738.5	82641.9	106641.9	138346.5
-12.5°	29157.1	43614.8	52964.1	55390.8	56889.0	58618.5	61252.3	65853.9	73495.7	84863.3	106641.9
-15°	23990.3	38773.7	49534.3	54281.5	56129.3	57615.4	59346.1	62024.9	66743.6	73495.7	82641.9
-17.5°	18610.8	32101.1	44746.7	53016.9	55192.4	56586.1	58008.2	59710.4	62024.9	65853.9	69738.5
-20°	12562.7	24691.6	38212.9	48162.5	53676.5	55560.3	56741.1	58008.2	59346.1	61252.3	63259.9



REPORT NUMBER: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8691.0	17523.1	29390.6	41889.8	49903.5	53899.5	55560.3	56586.1	57615.4	58618.5	59762.0
-25°	5720.2	10284.7	20559.4	31811.9	42727.4	49903.5	53676.5	55192.4	56129.3	56889.0	57629.8
-27.5°	3635.9	6886.6	11742.7	21581.9	31811.9	41889.8	48162.5	53016.9	54281.5	55390.8	55979.7
-30°	1991.7	4005.3	7278.8	11742.7	20559.4	29390.6	38212.9	44746.7	49534.3	52964.1	53819.0
-32.5°	1334.0	2171.7	4005.3	6886.6	10284.7	17523.1	24691.6	32101.1	38773.7	43614.8	46828.8
-35°	930.7	1334.0	1991.7	3635.9	5720.2	8691.0	12562.7	18610.8	23990.3	29157.1	33610.2
-37.5°	943.7	931.9	1232.1	1681.9	2906.2	4255.7	6354.8	8656.9	10782.3	15071.5	18643.4
-40°	911.4	946.0	935.4	1030.7	1425.6	1833.9	2985.2	4023.9	5219.3	6843.1	8192.3
-42.5°	839.3	897.9	937.7	941.2	932.4	1074.9	1386.3	1666.7	2251.9	2980.9	3585.5
-45°	697.6	795.5	875.7	910.7	943.3	941.6	934.7	928.6	1124.2	1320.0	1482.2
-47.5°	535.8	641.0	730.8	812.2	875.5	903.5	928.9	947.1	942.1	937.8	934.2
-50°	386.6	464.1	556.6	643.5	716.5	781.1	839.8	877.3	895.7	911.5	924.5
-52.5°	269.5	329.9	389.5	450.5	525.0	593.5	655.7	705.3	747.6	783.8	813.6
-55°	208.5	237.8	265.3	309.8	357.6	401.3	444.2	495.2	539.8	577.9	609.2
-57.5°	174.8	184.9	199.0	222.7	244.6	264.6	293.2	325.6	353.9	378.0	397.9
-60°	144.8	160.2	169.4	177.4	184.9	192.0	208.5	223.2	236.1	247.1	256.1
-62.5°	107.6	119.4	132.5	144.8	156.1	164.4	170.0	175.0	179.4	183.1	186.1
-65°	83.8	91.3	98.4	105.1	111.3	120.6	129.1	136.5	143.1	148.6	153.2
-67.5°	73.7	76.0	78.1	80.1	84.2	89.2	93.7	97.7	101.2	104.1	106.6
-70°	60.7	64.7	68.4	71.2	72.9	74.3	75.6	76.8	77.8	78.7	79.4
-72.5°	47.4	49.2	51.2	54.2	57.0	59.5	61.8	63.9	65.6	67.1	68.4
-75°	39.3	40.7	42.1	43.4	44.6	45.7	46.7	47.5	48.3	48.9	49.5
-77.5°	31.1	32.4	33.5	34.6	35.6	36.4	37.2	38.0	38.6	39.1	39.5
-80°	22.9	23.9	24.8	25.7	26.5	27.2	27.8	28.4	28.9	29.3	29.7
-82.5°	14.7	15.4	16.1	16.8	17.3	17.9	18.4	18.8	19.2	19.5	19.7
-85°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
-87.5°	8.3	8.5	8.7	9.0	9.2	9.3	9.5	9.6	9.8	9.9	9.9
-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: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-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°	10.0	10.1	10.1	10.1	10.1	10.1	10.0	9.9	9.9	9.8	9.6
85°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
82.5°	19.9	20.1	20.2	20.2	20.2	20.1	19.9	19.7	19.5	19.2	18.8
80°	30.0	30.1	30.3	30.3	30.3	30.1	30.0	29.7	29.3	28.9	28.4
77.5°	39.9	40.1	40.3	40.3	40.3	40.1	39.9	39.5	39.1	38.6	38.0
75°	49.9	50.2	50.3	50.4	50.3	50.2	49.9	49.5	48.9	48.3	47.5
72.5°	69.4	70.0	70.5	70.6	70.5	70.0	69.4	68.4	67.1	65.6	63.9
70°	80.0	80.4	80.6	80.7	80.6	80.4	80.0	79.4	78.7	77.8	76.8
67.5°	108.4	109.8	110.6	110.9	110.6	109.8	108.4	106.6	104.1	101.2	97.7
65°	156.8	159.3	160.9	161.4	160.9	159.3	156.8	153.2	148.6	143.1	136.5
62.5°	188.5	190.2	191.3	191.6	191.3	190.2	188.5	186.1	183.1	179.4	175.0
60°	263.2	268.2	271.3	272.3	271.3	268.2	263.2	256.1	247.1	236.1	223.2
57.5°	413.5	424.6	431.4	433.6	431.4	424.6	413.5	397.9	378.0	353.9	325.6
55°	633.8	651.4	662.1	665.6	662.1	651.4	633.8	609.2	577.9	539.8	495.2
52.5°	837.0	853.8	863.9	867.3	863.9	853.8	837.0	813.6	783.8	747.6	705.3
50°	934.8	942.1	946.5	948.0	946.5	942.1	934.8	924.5	911.5	895.7	877.3
47.5°	931.4	929.4	928.2	927.8	928.2	929.4	931.4	934.2	937.8	942.1	947.1
45°	1609.5	1701.2	1756.4	1774.9	1756.4	1701.2	1609.5	1482.2	1320.0	1124.2	928.6
42.5°	4061.0	4403.5	4610.2	4679.3	4610.2	4403.5	4061.0	3585.5	2980.9	2251.9	1666.7
40°	9255.1	10021.7	10484.7	10639.5	10484.7	10021.7	9255.1	8192.3	6843.1	5219.3	4023.9
37.5°	21462.3	23498.5	24729.5	25141.4	24729.5	23498.5	21462.3	18643.4	15071.5	10782.3	8656.9
35°	37132.5	39681.4	41224.3	41740.9	41224.3	39681.4	37132.5	33610.2	29157.1	23990.3	18610.8
32.5°	49378.1	51226.8	52347.7	52723.3	52347.7	51226.8	49378.1	46828.8	43614.8	38773.7	32101.1
30°	54499.5	54994.3	55294.9	55395.7	55294.9	54994.3	54499.5	53819.0	52964.1	49534.3	44746.7
27.5°	56448.9	56791.3	56999.8	57069.8	56999.8	56791.3	56448.9	55979.7	55390.8	54281.5	53016.9
25°	58254.7	58712.8	58992.7	59086.8	58992.7	58712.8	58254.7	57629.8	56889.0	56129.3	55192.4
22.5°	60963.6	61849.4	62392.9	62576.1	62392.9	61849.4	60963.6	59762.0	58618.5	57615.4	56586.1
20°	66106.7	68221.8	69526.9	69968.3	69526.9	68221.8	66106.7	63259.9	61252.3	59346.1	58008.2
17.5°	76235.6	81304.3	84457.7	85529.1	84457.7	81304.3	76235.6	69738.5	65853.9	62024.9	59710.4
15°	96044.8	108896.8	116988.7	119756.9	116988.7	108896.8	96044.8	82641.9	73495.7	66743.6	62024.9
12.5°	129185.2	154549.2	174270.5	182212.0	174270.5	154549.2	129185.2	106641.9	84863.3	73495.7	65853.9
10°	182959.7	243581.7	324107.8	355377.8	324107.8	243581.7	182959.7	138346.5	106641.9	82641.9	69738.5
7.5°	294679.6	526713.0	762638.6	840652.8	762638.6	526713.0	294679.6	182959.7	129185.2	96044.8	76235.6
5°	526713.0	924466.8	#####	#####	#####	924466.8	526713.0	243581.7	154549.2	108896.8	81304.3
2.5°	762638.6	#####	#####	#####	#####	#####	762638.6	324107.8	174270.5	116988.7	84457.7
0°	840652.8	#####	#####	#####	#####	#####	840652.8	355377.8	182212.0	119756.9	85529.1
-2.5°	762638.6	#####	#####	#####	#####	#####	762638.6	324107.8	174270.5	116988.7	84457.7
-5°	526713.0	924466.8	#####	#####	#####	924466.8	526713.0	243581.7	154549.2	108896.8	81304.3
-7.5°	294679.6	526713.0	762638.6	840652.8	762638.6	526713.0	294679.6	182959.7	129185.2	96044.8	76235.6
-10°	182959.7	243581.7	324107.8	355377.8	324107.8	243581.7	182959.7	138346.5	106641.9	82641.9	69738.5
-12.5°	129185.2	154549.2	174270.5	182212.0	174270.5	154549.2	129185.2	106641.9	84863.3	73495.7	65853.9
-15°	96044.8	108896.8	116988.7	119756.9	116988.7	108896.8	96044.8	82641.9	73495.7	66743.6	62024.9
-17.5°	76235.6	81304.3	84457.7	85529.1	84457.7	81304.3	76235.6	69738.5	65853.9	62024.9	59710.4
-20°	66106.7	68221.8	69526.9	69968.3	69526.9	68221.8	66106.7	63259.9	61252.3	59346.1	58008.2



REPORT NUMBER: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	60963.6	61849.4	62392.9	62576.1	62392.9	61849.4	60963.6	59762.0	58618.5	57615.4	56586.1
-25°	58254.7	58712.8	58992.7	59086.8	58992.7	58712.8	58254.7	57629.8	56889.0	56129.3	55192.4
-27.5°	56448.9	56791.3	56999.8	57069.8	56999.8	56791.3	56448.9	55979.7	55390.8	54281.5	53016.9
-30°	54499.5	54994.3	55294.9	55395.7	55294.9	54994.3	54499.5	53819.0	52964.1	49534.3	44746.7
-32.5°	49378.1	51226.8	52347.7	52723.3	52347.7	51226.8	49378.1	46828.8	43614.8	38773.7	32101.1
-35°	37132.5	39681.4	41224.3	41740.9	41224.3	39681.4	37132.5	33610.2	29157.1	23990.3	18610.8
-37.5°	21462.3	23498.5	24729.5	25141.4	24729.5	23498.5	21462.3	18643.4	15071.5	10782.3	8656.9
-40°	9255.1	10021.7	10484.7	10639.5	10484.7	10021.7	9255.1	8192.3	6843.1	5219.3	4023.9
-42.5°	4061.0	4403.5	4610.2	4679.3	4610.2	4403.5	4061.0	3585.5	2980.9	2251.9	1666.7
-45°	1609.5	1701.2	1756.4	1774.9	1756.4	1701.2	1609.5	1482.2	1320.0	1124.2	928.6
-47.5°	931.4	929.4	928.2	927.8	928.2	929.4	931.4	934.2	937.8	942.1	947.1
-50°	934.8	942.1	946.5	948.0	946.5	942.1	934.8	924.5	911.5	895.7	877.3
-52.5°	837.0	853.8	863.9	867.3	863.9	853.8	837.0	813.6	783.8	747.6	705.3
-55°	633.8	651.4	662.1	665.6	662.1	651.4	633.8	609.2	577.9	539.8	495.2
-57.5°	413.5	424.6	431.4	433.6	431.4	424.6	413.5	397.9	378.0	353.9	325.6
-60°	263.2	268.2	271.3	272.3	271.3	268.2	263.2	256.1	247.1	236.1	223.2
-62.5°	188.5	190.2	191.3	191.6	191.3	190.2	188.5	186.1	183.1	179.4	175.0
-65°	156.8	159.3	160.9	161.4	160.9	159.3	156.8	153.2	148.6	143.1	136.5
-67.5°	108.4	109.8	110.6	110.9	110.6	109.8	108.4	106.6	104.1	101.2	97.7
-70°	80.0	80.4	80.6	80.7	80.6	80.4	80.0	79.4	78.7	77.8	76.8
-72.5°	69.4	70.0	70.5	70.6	70.5	70.0	69.4	68.4	67.1	65.6	63.9
-75°	49.9	50.2	50.3	50.4	50.3	50.2	49.9	49.5	48.9	48.3	47.5
-77.5°	39.9	40.1	40.3	40.3	40.3	40.1	39.9	39.5	39.1	38.6	38.0
-80°	30.0	30.1	30.3	30.3	30.3	30.1	30.0	29.7	29.3	28.9	28.4
-82.5°	19.9	20.1	20.2	20.2	20.2	20.1	19.9	19.7	19.5	19.2	18.8
-85°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
-87.5°	10.0	10.1	10.1	10.1	10.1	10.1	10.0	9.9	9.9	9.8	9.6
-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: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-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°	9.5	9.3	9.2	9.0	8.7	8.5	8.3	8.0	7.7	7.4	7.1
85°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
82.5°	18.4	17.9	17.3	16.8	16.1	15.4	14.7	13.9	13.1	12.2	11.3
80°	27.8	27.2	26.5	25.7	24.8	23.9	22.9	21.9	20.8	19.6	18.4
77.5°	37.2	36.4	35.6	34.6	33.5	32.4	31.1	29.8	28.5	27.0	25.5
75°	46.7	45.7	44.6	43.4	42.1	40.7	39.3	37.7	36.0	34.3	32.5
72.5°	61.8	59.5	57.0	54.2	51.2	49.2	47.4	45.6	43.6	41.5	39.4
70°	75.6	74.3	72.9	71.2	68.4	64.7	60.7	56.4	51.9	48.8	46.3
67.5°	93.7	89.2	84.2	80.1	78.1	76.0	73.7	71.3	66.9	61.6	56.1
65°	129.1	120.6	111.3	105.1	98.4	91.3	83.8	79.0	76.2	73.2	69.7
62.5°	170.0	164.4	156.1	144.8	132.5	119.4	107.6	98.7	89.3	80.3	76.9
60°	208.5	192.0	184.9	177.4	169.4	160.2	144.8	128.5	111.3	100.4	89.2
57.5°	293.2	264.6	244.6	222.7	199.0	184.9	174.8	164.2	147.4	127.8	108.8
55°	444.2	401.3	357.6	309.8	265.3	237.8	208.5	186.4	174.3	161.6	139.7
52.5°	655.7	593.5	525.0	450.5	389.5	329.9	269.5	236.1	201.2	181.6	167.4
50°	839.8	781.1	716.5	643.5	556.6	464.1	386.6	314.9	256.1	217.1	186.0
47.5°	928.9	903.5	875.5	812.2	730.8	641.0	535.8	427.8	347.6	268.2	225.0
45°	934.7	941.6	943.3	910.7	875.7	795.5	697.6	584.3	461.2	364.0	272.3
42.5°	1386.3	1074.9	932.4	941.2	937.7	897.9	839.3	729.9	608.8	473.3	364.0
40°	2985.2	1833.9	1425.6	1030.7	935.4	946.0	911.4	861.4	740.8	608.8	461.2
37.5°	6354.8	4255.7	2906.2	1681.9	1232.1	931.9	943.7	915.9	861.4	729.9	584.3
35°	12562.7	8691.0	5720.2	3635.9	1991.7	1334.0	930.7	943.7	911.4	839.3	697.6
32.5°	24691.6	17523.1	10284.7	6886.6	4005.3	2171.7	1334.0	931.9	946.0	897.9	795.5
30°	38212.9	29390.6	20559.4	11742.7	7278.8	4005.3	1991.7	1232.1	935.4	937.7	875.7
27.5°	48162.5	41889.8	31811.9	21581.9	11742.7	6886.6	3635.9	1681.9	1030.7	941.2	910.7
25°	53676.5	49903.5	42727.4	31811.9	20559.4	10284.7	5720.2	2906.2	1425.6	932.4	943.3
22.5°	55560.3	53899.5	49903.5	41889.8	29390.6	17523.1	8691.0	4255.7	1833.9	1074.9	941.6
20°	56741.1	55560.3	53676.5	48162.5	38212.9	24691.6	12562.7	6354.8	2985.2	1386.3	934.7
17.5°	58008.2	56586.1	55192.4	53016.9	44746.7	32101.1	18610.8	8656.9	4023.9	1666.7	928.6
15°	59346.1	57615.4	56129.3	54281.5	49534.3	38773.7	23990.3	10782.3	5219.3	2251.9	1124.2
12.5°	61252.3	58618.5	56889.0	55390.8	52964.1	43614.8	29157.1	15071.5	6843.1	2980.9	1320.0
10°	63259.9	59762.0	57629.8	55979.7	53819.0	46828.8	33610.2	18643.4	8192.3	3585.5	1482.2
7.5°	66106.7	60963.6	58254.7	56448.9	54499.5	49378.1	37132.5	21462.3	9255.1	4061.0	1609.5
5°	68221.8	61849.4	58712.8	56791.3	54994.3	51226.8	39681.4	23498.5	10021.7	4403.5	1701.2
2.5°	69526.9	62392.9	58992.7	56999.8	55294.9	52347.7	41224.3	24729.5	10484.7	4610.2	1756.4
0°	69968.3	62576.1	59086.8	57069.8	55395.7	52723.3	41740.9	25141.4	10639.5	4679.3	1774.9
-2.5°	69526.9	62392.9	58992.7	56999.8	55294.9	52347.7	41224.3	24729.5	10484.7	4610.2	1756.4
-5°	68221.8	61849.4	58712.8	56791.3	54994.3	51226.8	39681.4	23498.5	10021.7	4403.5	1701.2
-7.5°	66106.7	60963.6	58254.7	56448.9	54499.5	49378.1	37132.5	21462.3	9255.1	4061.0	1609.5
-10°	63259.9	59762.0	57629.8	55979.7	53819.0	46828.8	33610.2	18643.4	8192.3	3585.5	1482.2
-12.5°	61252.3	58618.5	56889.0	55390.8	52964.1	43614.8	29157.1	15071.5	6843.1	2980.9	1320.0
-15°	59346.1	57615.4	56129.3	54281.5	49534.3	38773.7	23990.3	10782.3	5219.3	2251.9	1124.2
-17.5°	58008.2	56586.1	55192.4	53016.9	44746.7	32101.1	18610.8	8656.9	4023.9	1666.7	928.6
-20°	56741.1	55560.3	53676.5	48162.5	38212.9	24691.6	12562.7	6354.8	2985.2	1386.3	934.7



REPORT NUMBER: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	55560.3	53899.5	49903.5	41889.8	29390.6	17523.1	8691.0	4255.7	1833.9	1074.9	941.6
-25°	53676.5	49903.5	42727.4	31811.9	20559.4	10284.7	5720.2	2906.2	1425.6	932.4	943.3
-27.5°	48162.5	41889.8	31811.9	21581.9	11742.7	6886.6	3635.9	1681.9	1030.7	941.2	910.7
-30°	38212.9	29390.6	20559.4	11742.7	7278.8	4005.3	1991.7	1232.1	935.4	937.7	875.7
-32.5°	24691.6	17523.1	10284.7	6886.6	4005.3	2171.7	1334.0	931.9	946.0	897.9	795.5
-35°	12562.7	8691.0	5720.2	3635.9	1991.7	1334.0	930.7	943.7	911.4	839.3	697.6
-37.5°	6354.8	4255.7	2906.2	1681.9	1232.1	931.9	943.7	915.9	861.4	729.9	584.3
-40°	2985.2	1833.9	1425.6	1030.7	935.4	946.0	911.4	861.4	740.8	608.8	461.2
-42.5°	1386.3	1074.9	932.4	941.2	937.7	897.9	839.3	729.9	608.8	473.3	364.0
-45°	934.7	941.6	943.3	910.7	875.7	795.5	697.6	584.3	461.2	364.0	272.3
-47.5°	928.9	903.5	875.5	812.2	730.8	641.0	535.8	427.8	347.6	268.2	225.0
-50°	839.8	781.1	716.5	643.5	556.6	464.1	386.6	314.9	256.1	217.1	186.0
-52.5°	655.7	593.5	525.0	450.5	389.5	329.9	269.5	236.1	201.2	181.6	167.4
-55°	444.2	401.3	357.6	309.8	265.3	237.8	208.5	186.4	174.3	161.6	139.7
-57.5°	293.2	264.6	244.6	222.7	199.0	184.9	174.8	164.2	147.4	127.8	108.8
-60°	208.5	192.0	184.9	177.4	169.4	160.2	144.8	128.5	111.3	100.4	89.2
-62.5°	170.0	164.4	156.1	144.8	132.5	119.4	107.6	98.7	89.3	80.3	76.9
-65°	129.1	120.6	111.3	105.1	98.4	91.3	83.8	79.0	76.2	73.2	69.7
-67.5°	93.7	89.2	84.2	80.1	78.1	76.0	73.7	71.3	66.9	61.6	56.1
-70°	75.6	74.3	72.9	71.2	68.4	64.7	60.7	56.4	51.9	48.8	46.3
-72.5°	61.8	59.5	57.0	54.2	51.2	49.2	47.4	45.6	43.6	41.5	39.4
-75°	46.7	45.7	44.6	43.4	42.1	40.7	39.3	37.7	36.0	34.3	32.5
-77.5°	37.2	36.4	35.6	34.6	33.5	32.4	31.1	29.8	28.5	27.0	25.5
-80°	27.8	27.2	26.5	25.7	24.8	23.9	22.9	21.9	20.8	19.6	18.4
-82.5°	18.4	17.9	17.3	16.8	16.1	15.4	14.7	13.9	13.1	12.2	11.3
-85°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
-87.5°	9.5	9.3	9.2	9.0	8.7	8.5	8.3	8.0	7.7	7.4	7.1
-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: P699861 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-70-3R-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°	6.8	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.9	3.5	3.0
85°	10.1	10.1	10.1	10.1	10.1	10.1	9.3	8.5	7.7	6.9	6.1
82.5°	10.3	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	9.1
80°	17.1	15.8	14.4	13.0	11.5	10.1	10.1	10.1	10.1	10.1	10.1
77.5°	23.9	22.2	20.5	18.7	16.9	15.0	13.1	11.1	10.1	10.1	10.1
75°	30.6	28.6	26.5	24.4	22.2	19.9	17.6	15.3	12.9	10.4	10.1
72.5°	37.2	34.9	32.5	30.0	27.5	24.8	22.1	19.4	16.6	13.7	10.9
70°	43.8	41.1	38.4	35.6	32.7	29.7	26.6	23.5	20.3	17.0	13.7
67.5°	50.3	47.3	44.2	41.0	37.8	34.4	31.0	27.5	23.9	20.3	16.6
65°	63.2	56.6	50.0	46.5	42.8	39.1	35.3	31.5	27.5	23.5	19.4
62.5°	73.3	68.7	61.1	53.3	47.8	43.7	39.5	35.3	31.0	26.6	22.1
60°	79.7	75.6	71.5	63.9	55.1	48.3	43.7	39.1	34.4	29.7	24.8
57.5°	96.2	83.2	77.0	72.4	64.8	55.1	47.8	42.8	37.8	32.7	27.5
55°	116.9	100.4	86.0	77.5	72.4	63.9	53.3	46.5	41.0	35.6	30.0
52.5°	147.0	121.7	101.9	86.0	77.0	71.5	61.1	50.0	44.2	38.4	32.5
50°	170.3	149.4	121.7	100.4	83.2	75.6	68.7	56.6	47.3	41.1	34.9
47.5°	187.5	170.3	147.0	116.9	96.2	79.7	73.3	63.2	50.3	43.8	37.2
45°	225.0	186.0	167.4	139.7	108.8	89.2	76.9	69.7	56.1	46.3	39.4
42.5°	268.2	217.1	181.6	161.6	127.8	100.4	80.3	73.2	61.6	48.8	41.5
40°	347.6	256.1	201.2	174.3	147.4	111.3	89.3	76.2	66.9	51.9	43.6
37.5°	427.8	314.9	236.1	186.4	164.2	128.5	98.7	79.0	71.3	56.4	45.6
35°	535.8	386.6	269.5	208.5	174.8	144.8	107.6	83.8	73.7	60.7	47.4
32.5°	641.0	464.1	329.9	237.8	184.9	160.2	119.4	91.3	76.0	64.7	49.2
30°	730.8	556.6	389.5	265.3	199.0	169.4	132.5	98.4	78.1	68.4	51.2
27.5°	812.2	643.5	450.5	309.8	222.7	177.4	144.8	105.1	80.1	71.2	54.2
25°	875.5	716.5	525.0	357.6	244.6	184.9	156.1	111.3	84.2	72.9	57.0
22.5°	903.5	781.1	593.5	401.3	264.6	192.0	164.4	120.6	89.2	74.3	59.5
20°	928.9	839.8	655.7	444.2	293.2	208.5	170.0	129.1	93.7	75.6	61.8
17.5°	947.1	877.3	705.3	495.2	325.6	223.2	175.0	136.5	97.7	76.8	63.9
15°	942.1	895.7	747.6	539.8	353.9	236.1	179.4	143.1	101.2	77.8	65.6
12.5°	937.8	911.5	783.8	577.9	378.0	247.1	183.1	148.6	104.1	78.7	67.1
10°	934.2	924.5	813.6	609.2	397.9	256.1	186.1	153.2	106.6	79.4	68.4
7.5°	931.4	934.8	837.0	633.8	413.5	263.2	188.5	156.8	108.4	80.0	69.4
5°	929.4	942.1	853.8	651.4	424.6	268.2	190.2	159.3	109.8	80.4	70.0
2.5°	928.2	946.5	863.9	662.1	431.4	271.3	191.3	160.9	110.6	80.6	70.5
0°	927.8	948.0	867.3	665.6	433.6	272.3	191.6	161.4	110.9	80.7	70.6
-2.5°	928.2	946.5	863.9	662.1	431.4	271.3	191.3	160.9	110.6	80.6	70.5
-5°	929.4	942.1	853.8	651.4	424.6	268.2	190.2	159.3	109.8	80.4	70.0
-7.5°	931.4	934.8	837.0	633.8	413.5	263.2	188.5	156.8	108.4	80.0	69.4
-10°	934.2	924.5	813.6	609.2	397.9	256.1	186.1	153.2	106.6	79.4	68.4
-12.5°	937.8	911.5	783.8	577.9	378.0	247.1	183.1	148.6	104.1	78.7	67.1
-15°	942.1	895.7	747.6	539.8	353.9	236.1	179.4	143.1	101.2	77.8	65.6
-17.5°	947.1	877.3	705.3	495.2	325.6	223.2	175.0	136.5	97.7	76.8	63.9
-20°	928.9	839.8	655.7	444.2	293.2	208.5	170.0	129.1	93.7	75.6	61.8



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	903.5	781.1	593.5	401.3	264.6	192.0	164.4	120.6	89.2	74.3	59.5
-25°	875.5	716.5	525.0	357.6	244.6	184.9	156.1	111.3	84.2	72.9	57.0
-27.5°	812.2	643.5	450.5	309.8	222.7	177.4	144.8	105.1	80.1	71.2	54.2
-30°	730.8	556.6	389.5	265.3	199.0	169.4	132.5	98.4	78.1	68.4	51.2
-32.5°	641.0	464.1	329.9	237.8	184.9	160.2	119.4	91.3	76.0	64.7	49.2
-35°	535.8	386.6	269.5	208.5	174.8	144.8	107.6	83.8	73.7	60.7	47.4
-37.5°	427.8	314.9	236.1	186.4	164.2	128.5	98.7	79.0	71.3	56.4	45.6
-40°	347.6	256.1	201.2	174.3	147.4	111.3	89.3	76.2	66.9	51.9	43.6
-42.5°	268.2	217.1	181.6	161.6	127.8	100.4	80.3	73.2	61.6	48.8	41.5
-45°	225.0	186.0	167.4	139.7	108.8	89.2	76.9	69.7	56.1	46.3	39.4
-47.5°	187.5	170.3	147.0	116.9	96.2	79.7	73.3	63.2	50.3	43.8	37.2
-50°	170.3	149.4	121.7	100.4	83.2	75.6	68.7	56.6	47.3	41.1	34.9
-52.5°	147.0	121.7	101.9	86.0	77.0	71.5	61.1	50.0	44.2	38.4	32.5
-55°	116.9	100.4	86.0	77.5	72.4	63.9	53.3	46.5	41.0	35.6	30.0
-57.5°	96.2	83.2	77.0	72.4	64.8	55.1	47.8	42.8	37.8	32.7	27.5
-60°	79.7	75.6	71.5	63.9	55.1	48.3	43.7	39.1	34.4	29.7	24.8
-62.5°	73.3	68.7	61.1	53.3	47.8	43.7	39.5	35.3	31.0	26.6	22.1
-65°	63.2	56.6	50.0	46.5	42.8	39.1	35.3	31.5	27.5	23.5	19.4
-67.5°	50.3	47.3	44.2	41.0	37.8	34.4	31.0	27.5	23.9	20.3	16.6
-70°	43.8	41.1	38.4	35.6	32.7	29.7	26.6	23.5	20.3	17.0	13.7
-72.5°	37.2	34.9	32.5	30.0	27.5	24.8	22.1	19.4	16.6	13.7	10.9
-75°	30.6	28.6	26.5	24.4	22.2	19.9	17.6	15.3	12.9	10.4	10.1
-77.5°	23.9	22.2	20.5	18.7	16.9	15.0	13.1	11.1	10.1	10.1	10.1
-80°	17.1	15.8	14.4	13.0	11.5	10.1	10.1	10.1	10.1	10.1	10.1
-82.5°	10.3	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	9.1
-85°	10.1	10.1	10.1	10.1	10.1	10.1	9.3	8.5	7.7	6.9	6.1
-87.5°	6.8	6.5	6.1	5.8	5.4	5.0	4.7	4.3	3.9	3.5	3.0
-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°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
85°	5.2	4.4	3.5	2.6	1.8	0.9	0.0
82.5°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
80°	10.1	8.7	7.0	5.2	3.5	1.8	0.0
77.5°	10.1	10.1	8.7	6.5	4.4	2.2	0.0
75°	10.1	10.1	10.1	7.8	5.2	2.6	0.0
72.5°	10.1	10.1	10.1	9.1	6.1	3.0	0.0
70°	10.4	10.1	10.1	10.1	6.9	3.5	0.0
67.5°	12.9	10.1	10.1	10.1	7.7	3.9	0.0
65°	15.3	11.1	10.1	10.1	8.5	4.3	0.0
62.5°	17.6	13.1	10.1	10.1	9.3	4.7	0.0
60°	19.9	15.0	10.1	10.1	10.1	5.0	0.0
57.5°	22.2	16.9	11.5	10.1	10.1	5.4	0.0
55°	24.4	18.7	13.0	10.1	10.1	5.8	0.0
52.5°	26.5	20.5	14.4	10.1	10.1	6.1	0.0
50°	28.6	22.2	15.8	10.1	10.1	6.5	0.0
47.5°	30.6	23.9	17.1	10.3	10.1	6.8	0.0
45°	32.5	25.5	18.4	11.3	10.1	7.1	0.0
42.5°	34.3	27.0	19.6	12.2	10.1	7.4	0.0
40°	36.0	28.5	20.8	13.1	10.1	7.7	0.0
37.5°	37.7	29.8	21.9	13.9	10.1	8.0	0.0
35°	39.3	31.1	22.9	14.7	10.1	8.3	0.0
32.5°	40.7	32.4	23.9	15.4	10.1	8.5	0.0
30°	42.1	33.5	24.8	16.1	10.1	8.7	0.0
27.5°	43.4	34.6	25.7	16.8	10.1	9.0	0.0
25°	44.6	35.6	26.5	17.3	10.1	9.2	0.0
22.5°	45.7	36.4	27.2	17.9	10.1	9.3	0.0
20°	46.7	37.2	27.8	18.4	10.1	9.5	0.0
17.5°	47.5	38.0	28.4	18.8	10.1	9.6	0.0
15°	48.3	38.6	28.9	19.2	10.1	9.8	0.0
12.5°	48.9	39.1	29.3	19.5	10.1	9.9	0.0
10°	49.5	39.5	29.7	19.7	10.1	9.9	0.0
7.5°	49.9	39.9	30.0	19.9	10.1	10.0	0.0
5°	50.2	40.1	30.1	20.1	10.1	10.1	0.0
2.5°	50.3	40.3	30.3	20.2	10.1	10.1	0.0
0°	50.4	40.3	30.3	20.2	10.1	10.1	0.0
-2.5°	50.3	40.3	30.3	20.2	10.1	10.1	0.0
-5°	50.2	40.1	30.1	20.1	10.1	10.1	0.0
-7.5°	49.9	39.9	30.0	19.9	10.1	10.0	0.0
-10°	49.5	39.5	29.7	19.7	10.1	9.9	0.0
-12.5°	48.9	39.1	29.3	19.5	10.1	9.9	0.0
-15°	48.3	38.6	28.9	19.2	10.1	9.8	0.0
-17.5°	47.5	38.0	28.4	18.8	10.1	9.6	0.0
-20°	46.7	37.2	27.8	18.4	10.1	9.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	45.7	36.4	27.2	17.9	10.1	9.3	0.0
-25°	44.6	35.6	26.5	17.3	10.1	9.2	0.0
-27.5°	43.4	34.6	25.7	16.8	10.1	9.0	0.0
-30°	42.1	33.5	24.8	16.1	10.1	8.7	0.0
-32.5°	40.7	32.4	23.9	15.4	10.1	8.5	0.0
-35°	39.3	31.1	22.9	14.7	10.1	8.3	0.0
-37.5°	37.7	29.8	21.9	13.9	10.1	8.0	0.0
-40°	36.0	28.5	20.8	13.1	10.1	7.7	0.0
-42.5°	34.3	27.0	19.6	12.2	10.1	7.4	0.0
-45°	32.5	25.5	18.4	11.3	10.1	7.1	0.0
-47.5°	30.6	23.9	17.1	10.3	10.1	6.8	0.0
-50°	28.6	22.2	15.8	10.1	10.1	6.5	0.0
-52.5°	26.5	20.5	14.4	10.1	10.1	6.1	0.0
-55°	24.4	18.7	13.0	10.1	10.1	5.8	0.0
-57.5°	22.2	16.9	11.5	10.1	10.1	5.4	0.0
-60°	19.9	15.0	10.1	10.1	10.1	5.0	0.0
-62.5°	17.6	13.1	10.1	10.1	9.3	4.7	0.0
-65°	15.3	11.1	10.1	10.1	8.5	4.3	0.0
-67.5°	12.9	10.1	10.1	10.1	7.7	3.9	0.0
-70°	10.4	10.1	10.1	10.1	6.9	3.5	0.0
-72.5°	10.1	10.1	10.1	9.1	6.1	3.0	0.0
-75°	10.1	10.1	10.1	7.8	5.2	2.6	0.0
-77.5°	10.1	10.1	8.7	6.5	4.4	2.2	0.0
-80°	10.1	8.7	7.0	5.2	3.5	1.8	0.0
-82.5°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
-85°	5.2	4.4	3.5	2.6	1.8	0.9	0.0
-87.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)