

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: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-40-80-1L-A**

Issue Date: 2/3/2026

Test Information

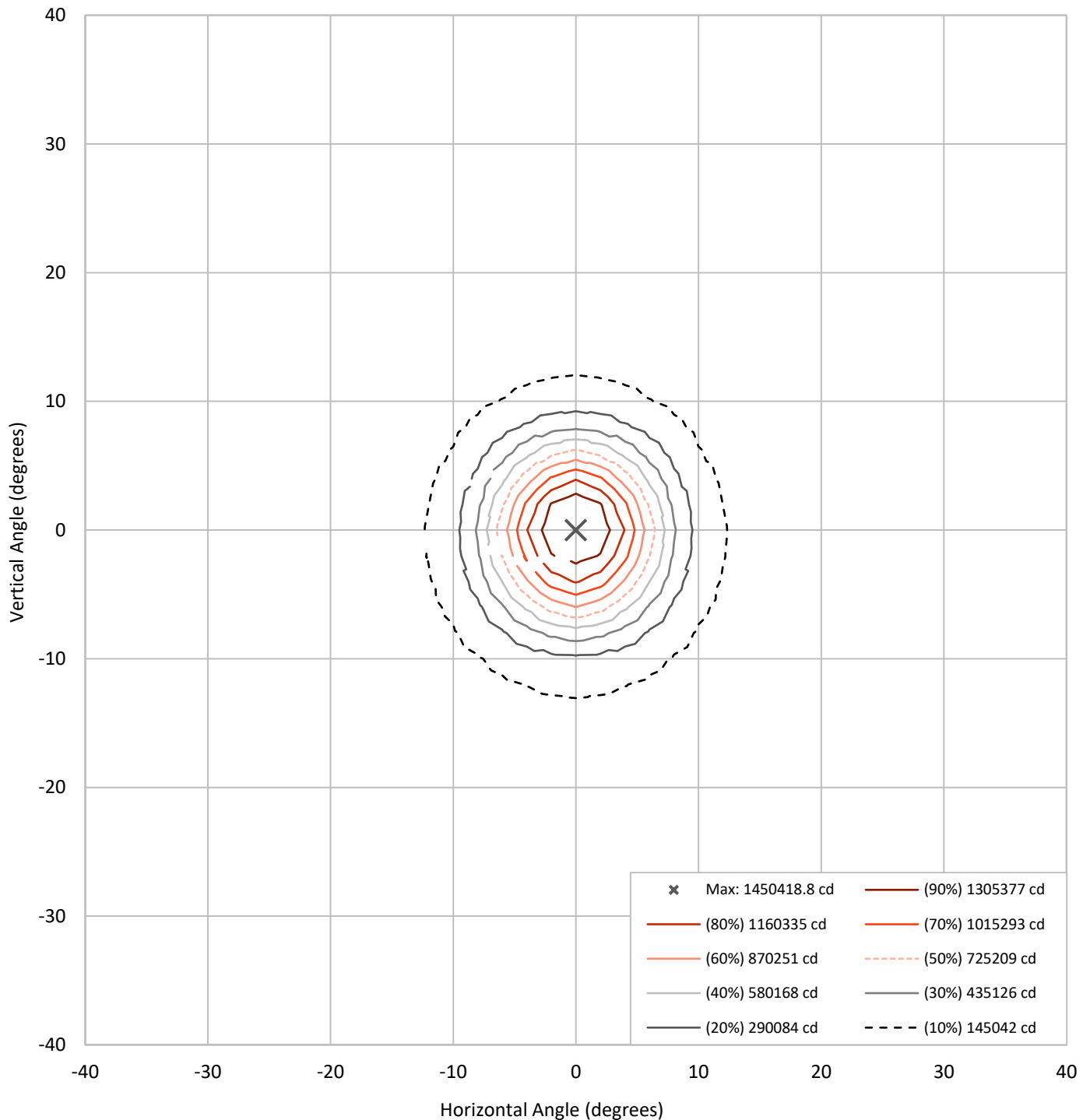
Test Method: LM-79-08
Report Number: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-52)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200L-40-80-1L-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 80 CRI LEDS AND 1L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	150623.3 lumens	Max Intensity:	1450418.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	116.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	12.8°H x 13°V	Field Angle (10%):	24.4°H x 24.6°V
Beam Lumens:	37335.7 lumens	Field Lumens:	75001.2 lumens
Beam Efficiency:	24.8%	Field Efficiency:	49.8%
Input Watts (W):	1290		
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



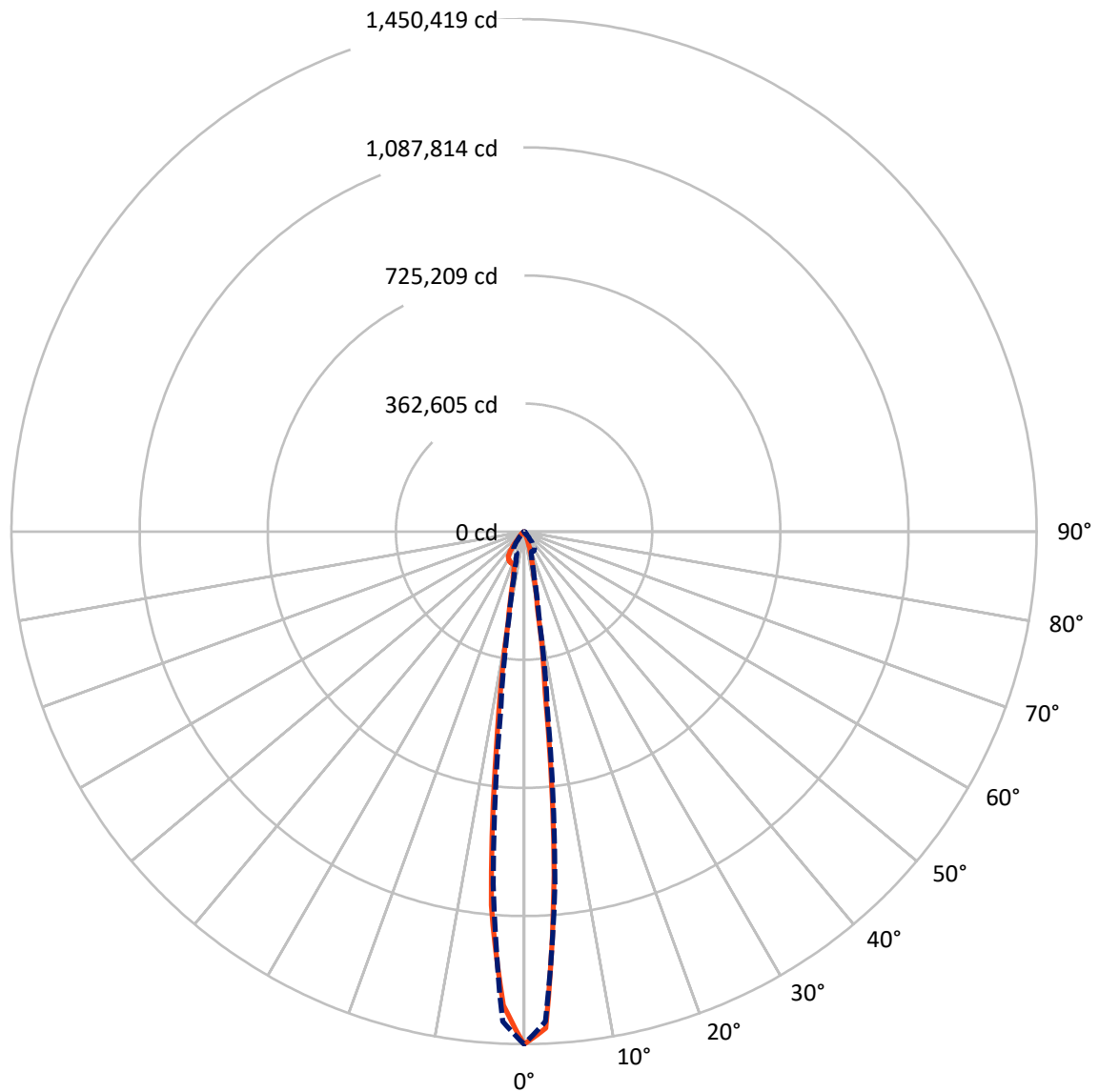
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Lumen Table

90	0.4	1.5		2.5		3.2		3.4		3.2		2.5		1.5		0.4			
80	0.4	1.5		2.5		3.2		3.4		3.2		2.5		1.5		0.4			
70	0.7	0.5	0.8	1.2	1.7	2.3	2.8	3.1	3.1	2.8	2.3	1.7	1.2	0.8	0.5	0.7			
60		0.6	1.1	2.2	3.8	5.8	9.3	14.6	14.6	9.3	5.8	3.8	2.2	1.1	0.6				
50	0.8	0.7	2.1	5.5	9.7	17.8	27.0	38.6	38.6	27.0	17.8	9.7	5.5	2.1	0.7	0.8			
40		0.9	4.6	12.0	24.5	34.6	52.7	61.8	61.8	52.7	34.6	24.5	12.0	4.6	0.9				
30	1.0	1.5	7.0	26.6	94.5	259.0	433.6	510.7	510.7	433.6	259.0	94.5	26.6	7.0	1.5	1.0			
20		2.0	10.4	61.2	409.2	1007.6	1473.0	2510.2	2510.2	1473.0	1007.6	409.2	61.2	10.4	2.0				
10	1.0	2.3	13.8	117.6	847.4	1534.3	2666.6	17075.3	17075.3	2666.6	1534.3	847.4	117.6	13.8	2.3	1.0			
0		2.4	14.5	145.5	1078.9	1817.6	2909.4	18110.8	18110.8	2909.4	1817.6	1078.9	145.5	14.5	2.4				
-10	1.0	2.2	11.6	114.5	931.7	2076.8	2469.3	3478.9	3478.9	2469.3	2076.8	931.7	114.5	11.6	2.2	1.0			
-20		1.7	7.8	60.0	472.2	1739.2	2534.6	2794.2	2794.2	2534.6	1739.2	472.2	60.0	7.8	1.7				
-30	0.8	1.1	5.6	22.3	153.6	628.4	1392.0	1882.0	1882.0	1392.0	628.4	153.6	22.3	5.6	1.1	0.8			
-40		0.8	2.9	7.9	31.6	128.2	295.8	424.8	424.8	295.8	128.2	31.6	7.9	2.9	0.8				
-50	0.7	0.7	1.4	3.3	6.4	15.0	34.4	51.0	51.0	34.4	15.0	6.4	3.3	1.4	0.7	0.7			
-60		0.5	0.8	1.4	2.4	3.5	4.5	5.0	5.0	4.5	3.5	2.4	1.4	0.8	0.5				
-70	0.4	1.5		2.4		3.3		3.6		3.3		2.4		1.5		0.4			
-80		1.5		2.4		3.3		3.6		3.3		2.4		1.5					
-90	0.4	1.5		2.4		3.3		3.6		3.3		2.4		1.5		0.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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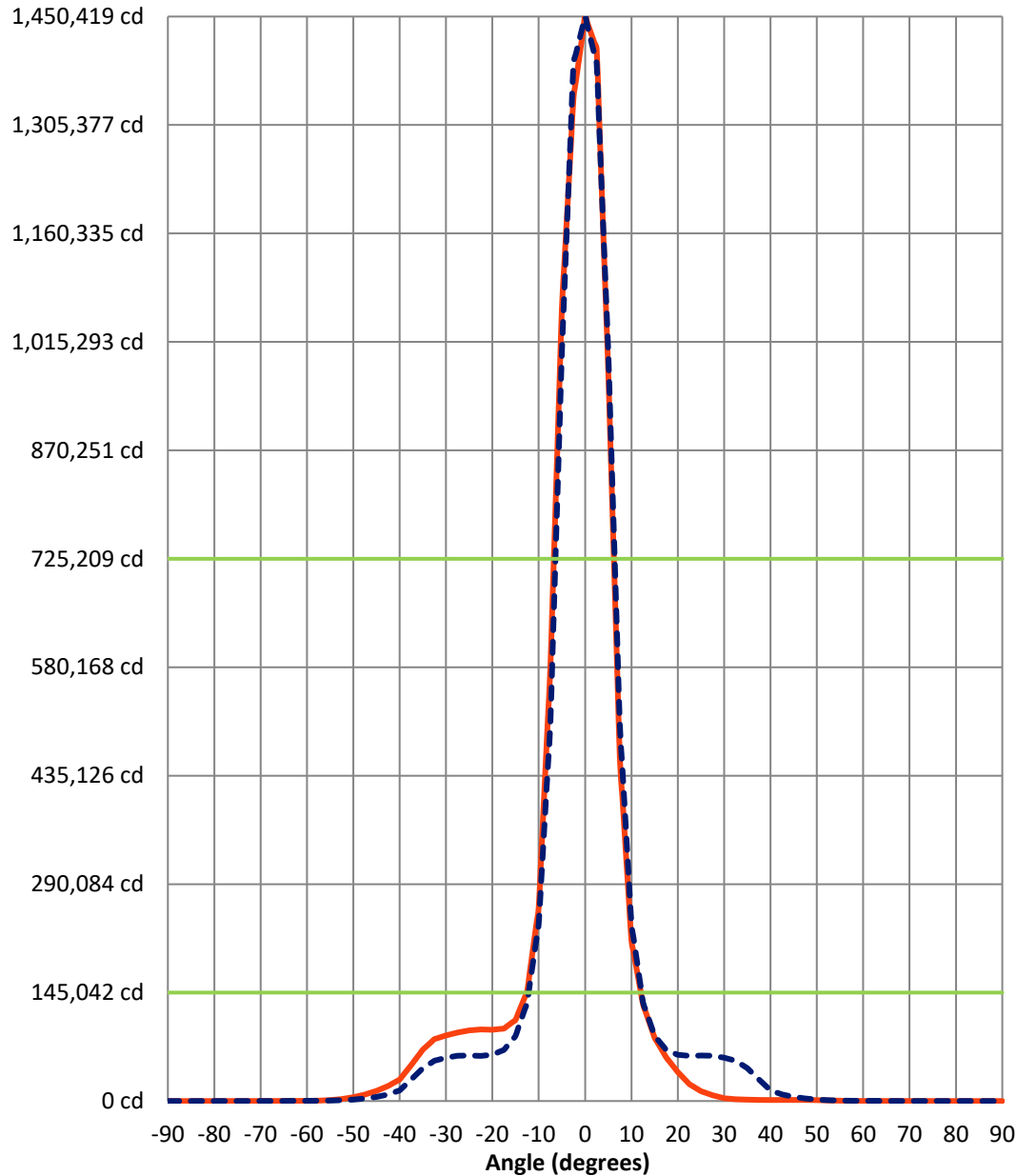
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 12.8°
 V Angle: 13°
 Lumens: 37335.7
 Efficiency: 24.8%

Field:
 H Angle: 24.4°
 V Angle: 24.6°
 Lumens: 75001.2
 Efficiency: 49.8%

Spill:
 Lumens: 75622.1
 Efficiency: 50.2%

— Vertical Distribution through 0-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	1.2	2.3	3.5	4.6	5.8	6.9	8.0	9.1	10.2	10.9
85°	0.0	2.3	4.6	7.0	9.3	11.5	13.8	16.0	18.2	20.4	21.7
82.5°	0.0	3.5	7.0	10.4	13.9	17.3	20.7	24.0	26.7	26.7	26.0
80°	0.0	4.6	9.3	13.9	18.5	23.0	26.7	26.7	26.7	26.7	26.4
77.5°	0.0	5.8	11.5	17.3	23.0	26.7	26.7	26.7	26.7	26.7	27.5
75°	0.0	6.9	13.8	20.7	26.7	26.7	26.7	26.7	27.0	29.1	30.9
72.5°	0.0	8.0	16.0	24.0	26.7	26.7	26.7	27.4	29.9	32.4	34.4
70°	0.0	9.1	18.2	26.7	26.7	26.7	27.0	29.9	32.8	35.6	35.3
67.5°	0.0	10.2	20.4	26.7	26.7	26.7	29.1	32.4	35.6	35.8	35.5
65°	0.0	11.3	22.5	26.7	26.7	27.6	31.3	34.9	36.2	36.2	36.6
62.5°	0.0	12.3	24.6	26.7	26.7	29.3	33.3	36.1	36.8	37.1	40.1
60°	0.0	13.3	26.7	26.7	26.7	31.0	35.4	36.9	37.5	40.0	43.5
57.5°	0.0	14.3	26.7	26.7	28.0	32.7	36.4	37.8	39.4	42.6	44.7
55°	0.0	15.3	26.7	26.7	29.2	34.3	37.3	38.7	41.4	44.7	45.0
52.5°	0.0	16.3	26.7	26.7	30.5	35.7	38.2	40.2	43.4	45.3	45.4
50°	0.0	17.2	26.7	26.7	31.7	36.6	39.2	41.7	44.8	45.9	48.1
47.5°	0.0	18.0	26.7	26.9	32.9	37.5	40.3	43.0	45.6	46.8	50.8
45°	0.0	18.9	26.7	27.8	34.0	38.4	41.2	44.2	46.5	48.9	53.2
42.5°	0.0	19.7	26.7	28.6	35.1	39.4	42.1	45.1	47.5	50.7	56.4
40°	0.0	20.5	26.7	29.3	36.0	40.3	42.9	46.0	48.7	52.4	59.7
37.5°	0.0	21.2	26.7	30.1	36.7	41.3	43.6	47.0	50.0	54.3	63.1
35°	0.0	21.9	26.7	30.8	37.4	41.9	44.2	48.0	51.2	57.3	67.5
32.5°	0.0	22.5	26.7	31.4	38.1	42.4	44.8	49.1	52.2	60.3	73.2
30°	0.0	23.1	26.7	32.0	38.8	42.9	45.7	50.1	53.1	63.3	78.7
27.5°	0.0	23.7	26.7	32.6	39.5	43.3	46.5	50.8	54.4	66.2	84.1
25°	0.0	24.2	26.7	33.1	40.1	43.6	47.3	51.5	56.7	70.0	89.4
22.5°	0.0	24.7	26.7	33.6	40.8	43.9	48.1	52.0	58.9	74.3	96.1
20°	0.0	25.1	26.7	34.0	41.4	44.1	48.9	52.4	61.0	78.2	102.4
17.5°	0.0	25.5	26.7	34.4	41.9	44.2	49.7	52.8	62.9	81.9	108.2
15°	0.0	25.8	26.7	34.7	42.5	44.4	50.4	53.0	64.7	85.3	113.5
12.5°	0.0	26.1	26.7	35.0	42.9	44.5	51.1	53.2	66.4	88.4	118.4
10°	0.0	26.3	26.7	35.2	43.4	44.5	51.7	53.4	67.8	91.1	122.7
7.5°	0.0	26.5	26.7	35.4	43.8	44.6	52.3	53.4	69.0	93.5	126.4
5°	0.0	26.6	26.7	35.5	44.1	44.6	52.8	53.5	70.0	95.4	129.5
2.5°	0.0	26.7	26.7	35.6	44.4	44.6	53.2	53.5	70.8	96.9	132.0
0°	0.0	26.7	26.7	35.6	44.6	44.6	53.5	53.5	71.3	98.0	133.7
-2.5°	0.0	26.7	26.7	35.6	44.4	44.6	53.4	53.8	71.5	98.2	134.3
-5°	0.0	26.6	26.7	35.5	44.1	44.6	53.3	54.1	71.5	97.9	134.1
-7.5°	0.0	26.5	26.7	35.4	43.8	44.6	53.0	54.4	71.1	97.1	133.1
-10°	0.0	26.3	26.7	35.2	43.4	44.5	52.7	54.6	70.5	95.8	131.3
-12.5°	0.0	26.1	26.7	35.0	42.9	44.5	52.2	54.8	69.6	94.0	128.7
-15°	0.0	25.8	26.7	34.7	42.5	44.4	51.6	54.9	68.4	91.8	125.2
-17.5°	0.0	25.5	26.7	34.4	41.9	44.2	51.0	54.9	66.9	89.1	120.9
-20°	0.0	25.1	26.7	34.0	41.4	44.1	50.2	54.9	65.2	86.0	115.7



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 CATALOG NUMBER: EPH-LS16-1200L-40-80-1L-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.7	26.7	33.6	40.8	43.9	49.4	54.7	63.2	82.4	109.7
-25°	0.0	24.2	26.7	33.1	40.1	43.6	48.4	54.5	60.9	78.4	102.7
-27.5°	0.0	23.7	26.7	32.6	39.5	43.3	47.3	54.1	58.4	74.5	97.6
-30°	0.0	23.1	26.7	32.0	38.8	42.9	46.2	53.6	57.1	71.3	92.2
-32.5°	0.0	22.5	26.7	31.4	38.1	42.4	45.0	52.4	56.6	67.9	86.3
-35°	0.0	21.9	26.7	30.8	37.4	41.9	44.2	50.9	55.9	64.3	79.9
-37.5°	0.0	21.2	26.7	30.1	36.7	41.3	43.6	49.2	55.0	60.3	74.6
-40°	0.0	20.5	26.7	29.3	36.0	40.3	42.9	47.5	53.9	58.3	70.0
-42.5°	0.0	19.7	26.7	28.6	35.1	39.4	42.1	45.7	52.1	56.9	65.1
-45°	0.0	18.9	26.7	27.8	34.0	38.4	41.2	44.2	49.9	55.3	60.4
-47.5°	0.0	18.0	26.7	26.9	32.9	37.5	40.3	43.0	47.7	53.4	58.3
-50°	0.0	17.2	26.7	26.7	31.7	36.6	39.2	41.7	45.3	50.8	55.9
-52.5°	0.0	16.3	26.7	26.7	30.5	35.7	38.2	40.2	43.4	48.1	53.2
-55°	0.0	15.3	26.7	26.7	29.2	34.3	37.3	38.7	41.4	45.2	50.0
-57.5°	0.0	14.3	26.7	26.7	28.0	32.7	36.4	37.8	39.4	42.6	46.8
-60°	0.0	13.3	26.7	26.7	26.7	31.0	35.4	36.9	37.5	40.0	43.5
-62.5°	0.0	12.3	24.6	26.7	26.7	29.3	33.3	36.1	36.8	37.1	40.1
-65°	0.0	11.3	22.5	26.7	26.7	27.6	31.3	34.9	36.2	36.2	36.6
-67.5°	0.0	10.2	20.4	26.7	26.7	26.7	29.1	32.4	35.6	35.8	35.5
-70°	0.0	9.1	18.2	26.7	26.7	26.7	27.0	29.9	32.8	35.6	35.3
-72.5°	0.0	8.0	16.0	24.0	26.7	26.7	26.7	27.4	29.9	32.4	34.3
-75°	0.0	6.9	13.8	20.7	26.7	26.7	26.7	26.7	27.0	29.1	30.6
-77.5°	0.0	5.8	11.5	17.3	23.0	26.7	26.7	26.7	26.7	26.7	26.8
-80°	0.0	4.6	9.3	13.9	18.5	23.0	26.7	26.7	26.7	26.7	25.8
-82.5°	0.0	3.5	7.0	10.4	13.9	17.3	20.7	24.0	26.7	26.7	25.8
-85°	0.0	2.3	4.6	7.0	9.3	11.5	13.8	16.0	18.2	20.4	21.7
-87.5°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.0	9.1	10.2	10.9
-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-LS16-1200L-40-80-1L-A

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°	11.4	11.9	12.2	12.5	12.6	12.7	12.7	12.6	13.1	13.6	14.1
85°	22.8	23.7	23.1	22.5	22.1	21.8	21.6	21.5	21.6	21.5	21.3
82.5°	25.5	25.2	25.2	25.3	25.7	26.2	26.7	26.7	25.8	24.8	23.8
80°	26.4	26.7	27.4	27.9	28.0	27.9	27.5	26.8	25.9	25.4	25.4
77.5°	28.8	29.7	30.2	30.3	30.1	30.3	30.7	31.5	32.0	32.3	32.5
75°	32.1	32.8	32.7	32.9	33.5	34.5	35.6	35.7	35.2	34.9	34.9
72.5°	34.4	34.2	34.6	35.5	36.4	36.8	36.7	36.1	36.7	38.5	40.3
70°	35.1	35.5	36.9	38.0	38.6	38.8	39.8	41.3	43.2	45.3	47.2
67.5°	36.1	38.4	39.9	40.7	41.5	42.7	44.6	47.1	49.5	51.9	54.3
65°	39.6	41.7	42.3	43.1	44.4	47.3	50.3	53.1	55.8	58.9	62.5
62.5°	43.1	43.4	43.9	45.9	49.3	52.7	55.9	59.0	62.1	67.9	73.7
60°	44.1	44.3	46.7	50.5	54.3	57.9	61.5	67.4	74.0	80.3	83.8
57.5°	44.5	46.7	50.9	55.1	59.2	63.9	71.5	79.0	83.8	86.7	94.8
55°	45.9	50.5	55.1	59.6	65.5	74.0	82.0	87.8	92.1	114.2	132.3
52.5°	49.3	54.3	59.2	65.5	74.9	84.0	91.6	112.7	144.4	159.7	170.7
50°	52.7	57.9	63.9	74.0	84.6	94.4	130.2	175.1	193.8	202.8	208.1
47.5°	56.1	61.5	71.5	82.9	95.3	138.7	200.1	222.6	234.9	239.7	245.4
45°	59.6	67.6	79.0	93.7	132.3	213.2	245.9	261.6	265.9	281.4	322.6
42.5°	63.2	74.8	88.9	105.8	208.5	263.5	282.5	287.7	310.3	365.3	420.3
40°	69.5	82.1	99.7	180.9	275.2	297.5	306.4	325.5	396.6	475.0	542.6
37.5°	76.1	92.4	125.5	258.4	306.5	323.0	327.6	411.7	509.7	608.1	703.9
35°	82.6	102.5	190.9	304.7	337.2	341.3	406.7	514.6	648.0	778.8	894.2
32.5°	90.6	112.5	251.4	322.3	353.8	378.2	492.3	652.8	815.7	971.2	1128.1
30°	99.3	160.5	294.8	338.0	361.2	458.0	614.3	803.6	1000.2	1213.2	1393.5
27.5°	107.6	207.4	308.0	347.4	382.6	531.9	751.0	980.7	1227.5	1480.5	1700.9
25°	115.7	249.5	319.4	356.2	446.7	637.3	894.4	1163.3	1479.0	1794.6	2161.7
22.5°	136.9	286.3	329.2	366.6	508.9	755.9	1068.9	1418.2	1760.0	2146.0	2723.7
20°	168.2	294.4	337.3	385.6	568.9	874.6	1258.2	1732.7	2214.2	2722.6	3866.3
17.5°	195.4	301.1	345.6	434.2	659.2	1012.4	1471.9	2091.0	2768.7	3644.1	5554.6
15°	218.5	306.3	354.2	479.2	752.2	1173.0	1764.6	2553.3	3507.0	4889.7	7661.4
12.5°	237.5	310.3	362.6	520.0	839.6	1332.9	2071.6	3065.7	4395.9	6623.1	11893.7
10°	252.7	312.9	370.7	556.1	919.8	1487.8	2382.8	3601.2	5333.5	8358.5	16032.7
7.5°	264.0	314.3	378.1	586.9	990.9	1633.2	2686.9	4139.6	6284.5	10046.5	19950.4
5°	271.6	314.5	384.4	611.8	1051.2	1763.9	2971.6	4658.6	7209.8	11632.0	23503.8
2.5°	275.6	313.7	389.2	630.3	1098.7	1874.7	3224.0	5134.5	8067.3	13056.1	26539.3
0°	276.2	311.9	392.1	641.6	1131.7	1960.5	3430.8	5542.8	8813.2	14257.9	28898.9
-2.5°	281.7	315.5	391.7	636.4	1125.0	1961.7	3462.2	5642.4	9105.9	14905.4	29878.8
-5°	283.6	318.5	389.3	623.9	1101.6	1930.9	3429.5	5639.0	9210.8	15205.5	29929.2
-7.5°	281.3	321.2	385.4	604.1	1061.3	1866.7	3328.1	5522.7	9098.2	15099.1	28966.7
-10°	274.6	323.8	380.2	577.5	1004.1	1768.1	3153.6	5285.0	8741.9	14534.6	26925.0
-12.5°	263.1	326.7	374.0	544.3	930.1	1634.1	2903.0	4918.9	8119.9	13469.6	23757.4
-15°	246.3	330.0	367.2	504.8	839.2	1464.2	2573.5	4419.1	7214.7	11872.0	19437.4
-17.5°	224.1	334.1	360.0	459.3	731.8	1258.0	2163.5	3814.3	6270.6	10441.8	17262.7
-20°	196.2	339.1	352.6	408.1	620.1	1074.0	1872.9	3310.9	5480.7	8942.5	14709.8



REPORT NUMBER: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-1L-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	162.4	345.3	350.1	389.1	557.2	924.2	1580.3	2716.4	4546.5	7283.8	12086.3
-25°	139.3	306.2	355.8	379.3	489.2	757.7	1248.6	2101.2	3796.5	6250.1	10016.9
-27.5°	130.9	258.9	363.4	370.3	416.3	603.4	1014.3	1767.9	3054.2	5035.1	7809.1
-30°	121.5	204.2	373.0	367.0	392.1	520.1	820.3	1363.1	2293.4	3976.8	6290.5
-32.5°	111.2	146.3	329.5	378.3	383.6	432.4	622.7	1067.1	1792.0	2870.8	4744.6
-35°	101.6	134.1	255.4	392.3	370.1	390.4	515.8	777.3	1287.2	2140.4	3388.6
-37.5°	94.2	120.8	172.9	354.5	372.6	368.6	401.6	585.6	929.3	1457.5	2372.4
-40°	86.3	106.4	138.9	252.9	372.5	352.8	371.3	439.3	634.2	1019.8	1553.5
-42.5°	78.3	97.2	122.1	154.2	295.3	349.4	337.5	372.4	459.7	653.9	1025.7
-45°	72.6	87.6	105.8	133.9	194.5	307.6	329.2	323.8	367.0	447.8	636.7
-47.5°	66.6	78.6	95.0	114.1	141.5	208.3	296.4	309.1	308.4	350.5	405.2
-50°	61.3	71.5	83.8	99.9	119.6	144.9	202.2	268.9	286.0	288.2	318.3
-52.5°	58.2	64.0	74.8	87.5	102.4	120.9	144.1	183.6	233.0	256.7	264.4
-55°	54.6	59.1	66.0	76.5	88.7	102.4	117.9	139.0	159.8	196.5	225.5
-57.5°	50.8	54.5	59.2	66.2	76.4	87.4	99.9	112.1	129.8	148.0	167.6
-60°	46.9	50.0	53.6	58.3	64.4	73.9	84.0	95.0	105.9	116.2	131.3
-62.5°	43.1	45.8	48.5	51.6	56.0	61.0	69.0	78.2	87.7	96.7	105.0
-65°	39.6	41.7	43.8	46.1	48.3	52.2	56.7	61.7	69.4	77.2	84.7
-67.5°	36.1	38.4	39.9	41.1	42.9	44.7	46.4	50.2	54.5	59.2	64.3
-70°	35.1	35.5	36.9	38.0	38.6	39.0	40.4	41.7	43.2	45.9	49.9
-72.5°	34.4	34.2	34.6	35.5	36.4	36.8	36.7	36.1	36.7	38.5	40.3
-75°	31.7	32.7	32.7	32.9	33.5	34.5	35.6	35.7	35.2	34.9	34.9
-77.5°	27.6	28.3	29.0	29.6	30.1	30.3	30.7	31.5	32.0	32.3	32.5
-80°	24.9	23.9	24.2	24.5	24.7	25.0	25.1	25.3	25.4	25.4	25.4
-82.5°	24.8	23.8	22.8	21.8	20.9	19.9	19.1	19.0	19.5	19.9	20.1
-85°	22.8	23.7	22.8	21.8	20.8	19.8	18.8	17.8	17.3	16.9	16.6
-87.5°	11.4	11.9	12.2	12.5	12.6	12.7	12.7	12.6	12.4	12.1	11.8
-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: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-1L-A

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°	14.6	15.0	15.4	15.8	16.1	16.4	14.9	13.2	11.5	9.7	7.8
85°	21.0	20.5	20.0	19.4	18.6	17.8	16.7	15.7	14.7	13.7	12.7
82.5°	22.8	21.8	20.9	19.9	18.9	17.9	17.6	17.5	17.5	17.5	17.6
80°	25.3	25.2	25.0	24.8	24.5	24.1	24.5	25.0	25.5	25.8	26.2
77.5°	32.2	31.9	31.7	31.8	31.9	32.2	32.9	33.5	34.1	34.5	34.9
75°	35.2	36.0	37.2	38.4	39.4	40.4	41.3	42.0	42.7	43.3	43.8
72.5°	41.9	43.5	44.9	46.3	47.5	48.6	49.6	50.5	51.3	52.0	52.5
70°	49.1	50.9	52.5	54.5	57.1	59.9	62.4	64.4	66.3	67.8	69.0
67.5°	57.2	60.4	63.9	67.6	70.9	73.3	75.1	76.3	77.3	78.2	78.9
65°	66.8	71.2	74.9	77.9	80.3	83.5	86.6	89.2	91.5	93.5	95.1
62.5°	78.5	82.3	86.0	90.0	94.3	100.0	105.7	110.1	114.0	117.2	120.0
60°	87.8	92.2	104.1	114.2	121.9	127.4	130.7	135.7	140.7	145.4	149.6
57.5°	112.2	126.6	138.0	146.5	152.4	155.8	158.9	168.0	179.9	191.8	203.6
55°	149.1	162.7	173.0	181.5	189.2	195.7	204.1	231.6	268.1	306.2	344.6
52.5°	187.2	199.6	210.7	225.2	254.9	283.2	309.6	353.9	421.6	491.0	560.1
50°	222.5	243.6	280.1	315.6	362.1	412.9	463.2	519.6	622.3	729.5	838.2
47.5°	281.4	322.9	376.1	434.5	498.4	573.4	647.7	718.1	822.7	940.4	1057.3
45°	358.2	420.0	488.7	572.8	658.6	737.2	807.7	870.9	946.3	1049.8	1149.2
42.5°	462.0	528.0	619.4	714.1	802.9	870.0	912.2	947.7	995.8	1089.3	1170.7
40°	603.5	643.2	751.2	842.8	899.2	947.7	984.7	1018.8	1056.2	1146.1	1216.6
37.5°	775.7	819.5	856.5	921.9	970.0	1012.3	1087.8	1157.9	1203.6	1288.0	1364.8
35°	990.0	1010.3	944.4	982.6	1062.3	1183.9	1326.1	1492.0	1528.4	1551.4	1663.5
32.5°	1225.7	1249.4	1173.5	1118.3	1272.7	1650.6	1905.4	2242.4	2242.2	1972.1	2166.2
30°	1516.7	1606.6	1756.6	1671.7	1976.3	2650.5	3284.8	3795.9	3813.1	3225.0	3430.4
27.5°	1961.1	2412.6	2936.4	3777.8	3542.6	4452.3	5968.8	6761.8	7277.4	6563.8	6988.3
25°	2723.7	3686.3	6094.0	7448.7	7702.0	8154.9	10500.1	12083.7	13707.8	14163.7	13747.3
22.5°	4120.6	7225.3	10434.4	12399.7	13829.5	15126.9	17144.0	20547.0	22547.9	23414.1	23315.6
20°	6453.5	11788.4	15828.2	18751.3	21183.1	23609.7	26818.0	29929.3	32185.3	33190.9	34137.5
17.5°	10884.9	17138.1	21980.6	25692.3	29136.8	33013.7	36261.6	39108.0	40875.3	43512.6	46420.1
15°	15871.2	22998.7	28512.2	33114.4	37484.8	41365.7	44256.3	45982.7	49683.8	54089.0	59363.4
12.5°	21035.5	28992.9	35052.2	40459.8	45398.9	48252.1	49685.5	52119.0	56982.8	64031.7	75658.4
10°	26234.7	34677.2	40856.5	46147.2	50899.2	53531.9	54046.4	56708.6	63564.1	76674.3	95489.9
7.5°	31315.3	40110.7	45972.7	50843.9	54242.8	55721.6	57175.9	61373.0	71226.2	89235.0	127556.5
5°	36091.5	45192.1	50462.4	54692.8	56892.5	57474.1	59123.4	64784.4	78545.7	106393.0	169584.7
2.5°	40359.3	49812.2	54412.4	57866.2	59029.1	58984.7	60660.2	67149.4	84162.4	123469.2	216680.1
0°	43905.4	53859.2	57931.6	60578.2	60881.2	60391.0	61888.1	68500.2	87204.8	131872.0	237304.6
-2.5°	45701.0	56419.8	60746.2	63305.7	63671.2	63214.0	64415.2	70559.1	88118.6	129041.4	224444.7
-5°	46410.3	58190.9	63274.9	65883.8	66478.5	66132.1	66890.9	71834.4	86241.7	116755.1	181463.6
-7.5°	45901.7	59080.8	65543.1	68383.3	69344.6	69181.8	69429.7	72477.7	82138.7	101194.1	140913.0
-10°	44070.0	59020.6	67578.5	70867.8	72303.5	72409.6	72473.6	73631.8	78797.5	91260.1	110230.0
-12.5°	40840.8	57965.7	69409.2	73374.8	75128.8	75918.6	76321.8	77159.9	79406.5	83674.8	95095.8
-15°	36268.4	54580.0	67799.5	74198.5	77148.1	78996.0	80221.0	80911.9	82143.5	84163.6	87759.1
-17.5°	30702.4	48106.2	63933.9	74492.0	78600.3	81238.5	83241.1	84911.2	85497.9	86551.7	88203.1
-20°	24196.7	40546.2	57708.0	70449.3	78369.4	82567.9	85412.0	87059.3	88266.8	89269.4	90970.7



REPORT NUMBER: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-1L-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	19745.5	32581.4	48462.1	64569.7	75255.1	81902.6	85718.3	87415.6	89075.5	90788.4	92634.7
-25°	15698.3	24238.0	38666.5	53744.9	68129.6	77904.7	83156.9	86188.1	88199.9	90322.5	92236.9
-27.5°	12370.5	19090.6	28365.1	42261.8	56192.4	68551.2	76324.2	82716.8	85433.7	88074.4	89629.9
-30°	9318.2	14167.2	21353.7	30509.4	42374.2	53480.4	64356.4	72591.1	78816.6	83656.6	85370.6
-32.5°	7246.7	10459.0	15222.3	21882.0	28738.4	38344.5	47712.3	56973.6	65464.0	71789.3	75740.5
-35°	5279.5	7801.7	10793.7	15058.5	19871.4	25652.5	31719.2	39639.6	46752.2	53379.4	58966.8
-37.5°	3638.9	5502.1	7818.3	10313.2	13794.1	17320.3	21594.8	25689.7	29117.9	34803.9	39562.3
-40°	2451.7	3552.9	5327.7	7219.2	9483.8	11731.1	14786.9	17563.1	20289.1	22933.5	25078.5
-42.5°	1550.7	2362.8	3315.0	4760.1	6343.9	8086.9	10010.9	11832.0	13825.1	15646.5	17165.6
-45°	927.7	1454.9	2075.5	2962.0	3874.0	5200.3	6541.4	7812.1	9187.8	10372.7	11392.5
-47.5°	586.9	802.8	1230.4	1733.3	2325.7	3132.3	3939.8	4791.7	5733.3	6535.9	7221.3
-50°	383.8	496.7	698.2	913.0	1299.4	1746.6	2190.3	2735.5	3283.7	3774.7	4202.4
-52.5°	280.8	339.7	412.5	515.7	704.0	898.6	1096.7	1418.7	1711.0	1968.5	2188.7
-55°	246.4	260.5	273.5	323.9	393.6	468.4	562.4	710.6	838.4	951.4	1048.2
-57.5°	194.2	217.9	236.3	247.2	257.1	266.0	303.1	359.9	411.9	458.5	499.0
-60°	145.7	159.4	179.2	197.1	212.5	225.4	232.4	239.7	246.4	252.4	257.5
-62.5°	112.9	123.3	134.9	145.7	155.7	166.9	178.2	187.4	195.3	201.9	207.1
-65°	91.8	98.5	104.8	110.6	116.2	124.4	131.7	137.8	142.7	146.5	149.4
-67.5°	70.6	76.6	82.2	87.4	92.2	96.6	100.6	104.1	107.2	109.8	112.0
-70°	53.6	57.2	60.5	64.1	68.4	72.2	75.7	78.8	81.5	83.8	85.7
-72.5°	41.9	43.5	45.3	47.9	50.4	52.6	54.7	56.5	58.0	59.4	60.4
-75°	35.2	36.0	37.2	38.4	39.4	40.4	41.3	42.0	42.7	43.3	43.8
-77.5°	32.2	31.9	31.7	31.8	31.9	32.2	32.9	33.5	34.1	34.5	34.9
-80°	25.3	25.2	25.0	24.8	24.5	24.1	24.3	24.7	25.1	25.5	25.9
-82.5°	20.1	19.9	19.6	19.2	18.6	17.9	16.9	15.9	14.9	13.9	12.9
-85°	16.4	16.3	16.2	16.2	16.3	16.4	15.8	15.0	14.2	13.4	12.6
-87.5°	11.3	10.8	10.3	9.7	9.0	8.2	7.4	6.6	5.7	4.8	3.9
-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: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-1L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	3.9	2.0	0.0	2.0	3.9	5.9	7.8	9.7	11.5	13.2
85°	11.8	10.8	9.9	8.9	9.9	10.8	11.8	12.7	13.7	14.7	15.7
82.5°	17.6	17.7	17.8	17.8	17.8	17.7	17.6	17.6	17.5	17.5	17.5
80°	26.4	26.6	26.7	26.7	26.7	26.6	26.4	26.2	25.8	25.5	25.0
77.5°	35.2	35.4	35.6	35.6	35.6	35.4	35.2	34.9	34.5	34.1	33.5
75°	44.1	44.4	44.5	44.6	44.5	44.4	44.1	43.8	43.3	42.7	42.0
72.5°	53.0	53.3	53.4	53.5	53.4	53.3	53.0	52.5	52.0	51.3	50.5
70°	70.0	70.7	71.2	71.3	71.2	70.7	70.0	69.0	67.8	66.3	64.4
67.5°	79.5	79.9	80.1	80.2	80.1	79.9	79.5	78.9	78.2	77.3	76.3
65°	96.4	97.3	97.8	98.0	97.8	97.3	96.4	95.1	93.5	91.5	89.2
62.5°	122.1	123.6	124.5	124.8	124.5	123.6	122.1	120.0	117.2	114.0	110.1
60°	153.3	156.4	158.8	160.4	158.8	156.4	153.3	149.6	145.4	140.7	135.7
57.5°	214.8	224.9	233.7	240.6	233.7	224.9	214.8	203.6	191.8	179.9	168.0
55°	381.9	416.6	447.3	472.3	447.3	416.6	381.9	344.6	306.2	268.1	231.6
52.5°	627.0	689.6	745.6	793.1	745.6	689.6	627.0	560.1	491.0	421.6	353.9
50°	945.1	1046.8	1139.9	1220.8	1139.9	1046.8	945.1	838.2	729.5	622.3	519.6
47.5°	1171.5	1281.2	1384.5	1479.3	1384.5	1281.2	1171.5	1057.3	940.4	822.7	718.1
45°	1244.9	1337.4	1427.2	1514.9	1427.2	1337.4	1244.9	1149.2	1049.8	946.3	870.9
42.5°	1242.9	1308.7	1371.5	1434.7	1371.5	1308.7	1242.9	1170.7	1089.3	995.8	947.7
40°	1269.6	1309.7	1342.2	1372.3	1342.2	1309.7	1269.6	1216.6	1146.1	1056.2	1018.8
37.5°	1419.8	1456.2	1477.7	1488.2	1477.7	1456.2	1419.8	1364.8	1288.0	1203.6	1157.9
35°	1751.9	1816.1	1855.8	1871.3	1855.8	1816.1	1751.9	1663.5	1551.4	1528.4	1492.0
32.5°	2305.3	2391.8	2429.7	2423.8	2429.7	2391.8	2305.3	2166.2	1972.1	2242.2	2242.4
30°	3818.7	3967.7	3917.4	3716.0	3917.4	3967.7	3818.7	3430.4	3225.0	3813.1	3795.9
27.5°	8153.3	8598.0	8424.0	7761.6	8424.0	8598.0	8153.3	6988.3	6563.8	7277.4	6761.8
25°	15006.1	15265.6	14591.6	13179.6	14591.6	15265.6	15006.1	13747.3	14163.7	13707.8	12083.7
22.5°	24125.5	24759.9	24237.0	22616.6	24237.0	24759.9	24125.5	23315.6	23414.1	22547.9	20547.0
20°	35930.1	38245.6	39315.5	38781.4	39315.5	38245.6	35930.1	34137.5	33190.9	32185.3	29929.3
17.5°	49993.0	54244.0	57365.0	58421.7	57365.0	54244.0	49993.0	46420.1	43512.6	40875.3	39108.0
15°	66786.5	74659.4	81356.9	84780.9	81356.9	74659.4	66786.5	59363.4	54089.0	49683.8	45982.7
12.5°	88433.0	104316.4	120658.2	129221.0	120658.2	104316.4	88433.0	75658.4	64031.7	56982.8	52119.0
10°	126312.9	164614.5	203126.8	214982.1	203126.8	164614.5	126312.9	95489.9	76674.3	63564.1	56708.6
7.5°	193983.1	296144.2	414198.8	458569.2	414198.8	296144.2	193983.1	127556.5	89235.0	71226.2	61373.0
5°	304478.3	537850.2	833985.5	975684.8	833985.5	537850.2	304478.3	169584.7	106393.0	78545.7	64784.4
2.5°	432743.9	847535.1	#####	#####	#####	847535.1	432743.9	216680.1	123469.2	84162.4	67149.4
0°	503303.2	#####	#####	#####	#####	#####	503303.2	237304.6	131872.0	87204.8	68500.2
-2.5°	455032.0	882972.7	#####	#####	#####	882972.7	455032.0	224444.7	129041.4	88118.6	70559.1
-5°	334063.3	604146.2	925933.7	#####	925933.7	604146.2	334063.3	181463.6	116755.1	86241.7	71834.4
-7.5°	214032.2	351110.2	507853.6	578299.7	507853.6	351110.2	214032.2	140913.0	101194.1	82138.7	72477.7
-10°	143359.5	192877.0	245436.0	259297.4	245436.0	192877.0	143359.5	110230.0	91260.1	78797.5	73631.8
-12.5°	107634.3	124933.9	140031.9	146513.1	140031.9	124933.9	107634.3	95095.8	83674.8	79406.5	77159.9
-15°	94647.3	101301.0	105801.1	108529.2	105801.1	101301.0	94647.3	87759.1	84163.6	82143.5	80911.9
-17.5°	91465.6	93425.0	95222.9	96971.4	95222.9	93425.0	91465.6	88203.1	86551.7	85497.9	84911.2
-20°	92571.6	93205.5	94175.4	95349.6	94175.4	93205.5	92571.6	90970.7	89269.4	88266.8	87059.3



REPORT NUMBER: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-1L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	93561.8	94152.9	94926.2	95732.8	94926.2	94152.9	93561.8	92634.7	90788.4	89075.5	87415.6
-25°	92907.6	93542.2	94095.7	94476.3	94095.7	93542.2	92907.6	92236.9	90322.5	88199.9	86188.1
-27.5°	90472.0	91111.8	91506.9	91615.8	91506.9	91111.8	90472.0	89629.9	88074.4	85433.7	82716.8
-30°	86540.1	87328.7	87730.9	87748.4	87730.9	87328.7	86540.1	85370.6	83656.6	78816.6	72591.1
-32.5°	78859.0	81095.4	82410.1	82775.9	82410.1	81095.4	78859.0	75740.5	71789.3	65464.0	56973.6
-35°	63322.0	66409.1	68207.7	68714.1	68207.7	66409.1	63322.0	58966.8	53379.4	46752.2	39639.6
-37.5°	43314.4	46020.3	47649.4	48182.7	47649.4	46020.3	43314.4	39562.3	34803.9	29117.9	25689.7
-40°	26729.3	27888.9	28565.9	28774.2	28565.9	27888.9	26729.3	25078.5	22933.5	20289.1	17563.1
-42.5°	18375.7	19272.4	19854.0	20121.4	19854.0	19272.4	18375.7	17165.6	15646.5	13825.1	11832.0
-45°	12235.6	12890.8	13348.1	13598.5	13348.1	12890.8	12235.6	11392.5	10372.7	9187.8	7812.1
-47.5°	7783.4	8216.9	8517.0	8679.5	8517.0	8216.9	7783.4	7221.3	6535.9	5733.3	4791.7
-50°	4560.6	4843.3	5044.8	5159.6	5044.8	4843.3	4560.6	4202.4	3774.7	3283.7	2735.5
-52.5°	2369.6	2509.0	2604.9	2655.5	2604.9	2509.0	2369.6	2188.7	1968.5	1711.0	1418.7
-55°	1128.1	1190.1	1233.1	1256.5	1233.1	1190.1	1128.1	1048.2	951.4	838.4	710.6
-57.5°	532.7	559.2	577.9	588.1	577.9	559.2	532.7	499.0	458.5	411.9	359.9
-60°	261.7	264.7	266.6	267.3	266.6	264.7	261.7	257.5	252.4	246.4	239.7
-62.5°	210.9	213.3	214.3	213.9	214.3	213.3	210.9	207.1	201.9	195.3	187.4
-65°	151.2	152.1	152.2	151.5	152.2	152.1	151.2	149.4	146.5	142.7	137.8
-67.5°	113.6	114.8	115.6	115.8	115.6	114.8	113.6	112.0	109.8	107.2	104.1
-70°	87.2	88.3	88.9	89.1	88.9	88.3	87.2	85.7	83.8	81.5	78.8
-72.5°	61.3	61.9	62.3	62.4	62.3	61.9	61.3	60.4	59.4	58.0	56.5
-75°	44.1	44.4	44.5	44.6	44.5	44.4	44.1	43.8	43.3	42.7	42.0
-77.5°	35.2	35.4	35.6	35.6	35.6	35.4	35.2	34.9	34.5	34.1	33.5
-80°	26.2	26.5	26.6	26.7	26.6	26.5	26.2	25.9	25.5	25.1	24.7
-82.5°	11.9	10.9	9.9	8.9	9.9	10.9	11.9	12.9	13.9	14.9	15.9
-85°	11.7	10.8	9.9	8.9	9.9	10.8	11.7	12.6	13.4	14.2	15.0
-87.5°	2.9	2.0	1.0	0.0	1.0	2.0	2.9	3.9	4.8	5.7	6.6
-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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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°	14.9	16.4	16.1	15.8	15.4	15.0	14.6	14.1	13.6	13.1	12.6
85°	16.7	17.8	18.6	19.4	20.0	20.5	21.0	21.3	21.5	21.6	21.5
82.5°	17.6	17.9	18.9	19.9	20.9	21.8	22.8	23.8	24.8	25.8	26.7
80°	24.5	24.1	24.5	24.8	25.0	25.2	25.3	25.4	25.4	25.9	26.8
77.5°	32.9	32.2	31.9	31.8	31.7	31.9	32.2	32.5	32.3	32.0	31.5
75°	41.3	40.4	39.4	38.4	37.2	36.0	35.2	34.9	34.9	35.2	35.7
72.5°	49.6	48.6	47.5	46.3	44.9	43.5	41.9	40.3	38.5	36.7	36.1
70°	62.4	59.9	57.1	54.5	52.5	50.9	49.1	47.2	45.3	43.2	41.3
67.5°	75.1	73.3	70.9	67.6	63.9	60.4	57.2	54.3	51.9	49.5	47.1
65°	86.6	83.5	80.3	77.9	74.9	71.2	66.8	62.5	58.9	55.8	53.1
62.5°	105.7	100.0	94.3	90.0	86.0	82.3	78.5	73.7	67.9	62.1	59.0
60°	130.7	127.4	121.9	114.2	104.1	92.2	87.8	83.8	80.3	74.0	67.4
57.5°	158.9	155.8	152.4	146.5	138.0	126.6	112.2	94.8	86.7	83.8	79.0
55°	204.1	195.7	189.2	181.5	173.0	162.7	149.1	132.3	114.2	92.1	87.8
52.5°	309.6	283.2	254.9	225.2	210.7	199.6	187.2	170.7	159.7	144.4	112.7
50°	463.2	412.9	362.1	315.6	280.1	243.6	222.5	208.1	202.8	193.8	175.1
47.5°	647.7	573.4	498.4	434.5	376.1	322.9	281.4	245.4	239.7	234.9	222.6
45°	807.7	737.2	658.6	572.8	488.7	420.0	358.2	322.6	281.4	265.9	261.6
42.5°	912.2	870.0	802.9	714.1	619.4	528.0	462.0	420.3	365.3	310.3	287.7
40°	984.7	947.7	899.2	842.8	751.2	643.2	603.5	542.6	475.0	396.6	325.5
37.5°	1087.8	1012.3	970.0	921.9	856.5	819.5	775.7	703.9	608.1	509.7	411.7
35°	1326.1	1183.9	1062.3	982.6	944.4	1010.3	990.0	894.2	778.8	648.0	514.6
32.5°	1905.4	1650.6	1272.7	1118.3	1173.5	1249.4	1225.7	1128.1	971.2	815.7	652.8
30°	3284.8	2650.5	1976.3	1671.7	1756.6	1606.6	1516.7	1393.5	1213.2	1000.2	803.6
27.5°	5968.8	4452.3	3542.6	3777.8	2936.4	2412.6	1961.1	1700.9	1480.5	1227.5	980.7
25°	10500.1	8154.9	7702.0	7448.7	6094.0	3686.3	2723.7	2161.7	1794.6	1479.0	1163.3
22.5°	17144.0	15126.9	13829.5	12399.7	10434.4	7225.3	4120.6	2723.7	2146.0	1760.0	1418.2
20°	26818.0	23609.7	21183.1	18751.3	15828.2	11788.4	6453.5	3866.3	2722.6	2214.2	1732.7
17.5°	36261.6	33013.7	29136.8	25692.3	21980.6	17138.1	10884.9	5554.6	3644.1	2768.7	2091.0
15°	44256.3	41365.7	37484.8	33114.4	28512.2	22998.7	15871.2	7661.4	4889.7	3507.0	2553.3
12.5°	49685.5	48252.1	45398.9	40459.8	35052.2	28992.9	21035.5	11893.7	6623.1	4395.9	3065.7
10°	54046.4	53531.9	50899.2	46147.2	40856.5	34677.2	26234.7	16032.7	8358.5	5333.5	3601.2
7.5°	57175.9	55721.6	54242.8	50843.9	45972.7	40110.7	31315.3	19950.4	10046.5	6284.5	4139.6
5°	59123.4	57474.1	56892.5	54692.8	50462.4	45192.1	36091.5	23503.8	11632.0	7209.8	4658.6
2.5°	60660.2	58984.7	59029.1	57866.2	54412.4	49812.2	40359.3	26539.3	13056.1	8067.3	5134.5
0°	61888.1	60391.0	60881.2	60578.2	57931.6	53859.2	43905.4	28898.9	14257.9	8813.2	5542.8
-2.5°	64415.2	63214.0	63671.2	63305.7	60746.2	56419.8	45701.0	29878.8	14905.4	9105.9	5642.4
-5°	66890.9	66132.1	66478.5	65883.8	63274.9	58190.9	46410.3	29929.2	15205.5	9210.8	5639.0
-7.5°	69429.7	69181.8	69344.6	68383.3	65543.1	59080.8	45901.7	28966.7	15099.1	9098.2	5522.7
-10°	72473.6	72409.6	72303.5	70867.8	67578.5	59020.6	44070.0	26925.0	14534.6	8741.9	5285.0
-12.5°	76321.8	75918.6	75128.8	73374.8	69409.2	57965.7	40840.8	23757.4	13469.6	8119.9	4918.9
-15°	80221.0	78996.0	77148.1	74198.5	67799.5	54580.0	36268.4	19437.4	11872.0	7214.7	4419.1
-17.5°	83241.1	81238.5	78600.3	74492.0	63933.9	48106.2	30702.4	17262.7	10441.8	6270.6	3814.3
-20°	85412.0	82567.9	78369.4	70449.3	57708.0	40546.2	24196.7	14709.8	8942.5	5480.7	3310.9



REPORT NUMBER: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-1L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	85718.3	81902.6	75255.1	64569.7	48462.1	32581.4	19745.5	12086.3	7283.8	4546.5	2716.4
-25°	83156.9	77904.7	68129.6	53744.9	38666.5	24238.0	15698.3	10016.9	6250.1	3796.5	2101.2
-27.5°	76324.2	68551.2	56192.4	42261.8	28365.1	19090.6	12370.5	7809.1	5035.1	3054.2	1767.9
-30°	64356.4	53480.4	42374.2	30509.4	21353.7	14167.2	9318.2	6290.5	3976.8	2293.4	1363.1
-32.5°	47712.3	38344.5	28738.4	21882.0	15222.3	10459.0	7246.7	4744.6	2870.8	1792.0	1067.1
-35°	31719.2	25652.5	19871.4	15058.5	10793.7	7801.7	5279.5	3388.6	2140.4	1287.2	777.3
-37.5°	21594.8	17320.3	13794.1	10313.2	7818.3	5502.1	3638.9	2372.4	1457.5	929.3	585.6
-40°	14786.9	11731.1	9483.8	7219.2	5327.7	3552.9	2451.7	1553.5	1019.8	634.2	439.3
-42.5°	10010.9	8086.9	6343.9	4760.1	3315.0	2362.8	1550.7	1025.7	653.9	459.7	372.4
-45°	6541.4	5200.3	3874.0	2962.0	2075.5	1454.9	927.7	636.7	447.8	367.0	323.8
-47.5°	3939.8	3132.3	2325.7	1733.3	1230.4	802.8	586.9	405.2	350.5	308.4	309.1
-50°	2190.3	1746.6	1299.4	913.0	698.2	496.7	383.8	318.3	288.2	286.0	268.9
-52.5°	1096.7	898.6	704.0	515.7	412.5	339.7	280.8	264.4	256.7	233.0	183.6
-55°	562.4	468.4	393.6	323.9	273.5	260.5	246.4	225.5	196.5	159.8	139.0
-57.5°	303.1	266.0	257.1	247.2	236.3	217.9	194.2	167.6	148.0	129.8	112.1
-60°	232.4	225.4	212.5	197.1	179.2	159.4	145.7	131.3	116.2	105.9	95.0
-62.5°	178.2	166.9	155.7	145.7	134.9	123.3	112.9	105.0	96.7	87.7	78.2
-65°	131.7	124.4	116.2	110.6	104.8	98.5	91.8	84.7	77.2	69.4	61.7
-67.5°	100.6	96.6	92.2	87.4	82.2	76.6	70.6	64.3	59.2	54.5	50.2
-70°	75.7	72.2	68.4	64.1	60.5	57.2	53.6	49.9	45.9	43.2	41.7
-72.5°	54.7	52.6	50.4	47.9	45.3	43.5	41.9	40.3	38.5	36.7	36.1
-75°	41.3	40.4	39.4	38.4	37.2	36.0	35.2	34.9	34.9	35.2	35.7
-77.5°	32.9	32.2	31.9	31.8	31.7	31.9	32.2	32.5	32.3	32.0	31.5
-80°	24.3	24.1	24.5	24.8	25.0	25.2	25.3	25.4	25.4	25.4	25.3
-82.5°	16.9	17.9	18.6	19.2	19.6	19.9	20.1	20.1	19.9	19.5	19.0
-85°	15.8	16.4	16.3	16.2	16.2	16.3	16.4	16.6	16.9	17.3	17.8
-87.5°	7.4	8.2	9.0	9.7	10.3	10.8	11.3	11.8	12.1	12.4	12.6
-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: P1306434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-1L-A

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°	12.7	12.7	12.6	12.5	12.2	11.9	11.4	10.9	10.2	9.1	8.0
85°	21.6	21.8	22.1	22.5	23.1	23.7	22.8	21.7	20.4	18.2	16.0
82.5°	26.7	26.2	25.7	25.3	25.2	25.2	25.5	26.0	26.7	26.7	24.0
80°	27.5	27.9	28.0	27.9	27.4	26.7	26.4	26.4	26.7	26.7	26.7
77.5°	30.7	30.3	30.1	30.3	30.2	29.7	28.8	27.5	26.7	26.7	26.7
75°	35.6	34.5	33.5	32.9	32.7	32.8	32.1	30.9	29.1	27.0	26.7
72.5°	36.7	36.8	36.4	35.5	34.6	34.2	34.4	34.4	32.4	29.9	27.4
70°	39.8	38.8	38.6	38.0	36.9	35.5	35.1	35.3	35.6	32.8	29.9
67.5°	44.6	42.7	41.5	40.7	39.9	38.4	36.1	35.5	35.8	35.6	32.4
65°	50.3	47.3	44.4	43.1	42.3	41.7	39.6	36.6	36.2	36.2	34.9
62.5°	55.9	52.7	49.3	45.9	43.9	43.4	43.1	40.1	37.1	36.8	36.1
60°	61.5	57.9	54.3	50.5	46.7	44.3	44.1	43.5	40.0	37.5	36.9
57.5°	71.5	63.9	59.2	55.1	50.9	46.7	44.5	44.7	42.6	39.4	37.8
55°	82.0	74.0	65.5	59.6	55.1	50.5	45.9	45.0	44.7	41.4	38.7
52.5°	91.6	84.0	74.9	65.5	59.2	54.3	49.3	45.4	45.3	43.4	40.2
50°	130.2	94.4	84.6	74.0	63.9	57.9	52.7	48.1	45.9	44.8	41.7
47.5°	200.1	138.7	95.3	82.9	71.5	61.5	56.1	50.8	46.8	45.6	43.0
45°	245.9	213.2	132.3	93.7	79.0	67.6	59.6	53.2	48.9	46.5	44.2
42.5°	282.5	263.5	208.5	105.8	88.9	74.8	63.2	56.4	50.7	47.5	45.1
40°	306.4	297.5	275.2	180.9	99.7	82.1	69.5	59.7	52.4	48.7	46.0
37.5°	327.6	323.0	306.5	258.4	125.5	92.4	76.1	63.1	54.3	50.0	47.0
35°	406.7	341.3	337.2	304.7	190.9	102.5	82.6	67.5	57.3	51.2	48.0
32.5°	492.3	378.2	353.8	322.3	251.4	112.5	90.6	73.2	60.3	52.2	49.1
30°	614.3	458.0	361.2	338.0	294.8	160.5	99.3	78.7	63.3	53.1	50.1
27.5°	751.0	531.9	382.6	347.4	308.0	207.4	107.6	84.1	66.2	54.4	50.8
25°	894.4	637.3	446.7	356.2	319.4	249.5	115.7	89.4	70.0	56.7	51.5
22.5°	1068.9	755.9	508.9	366.6	329.2	286.3	136.9	96.1	74.3	58.9	52.0
20°	1258.2	874.6	568.9	385.6	337.3	294.4	168.2	102.4	78.2	61.0	52.4
17.5°	1471.9	1012.4	659.2	434.2	345.6	301.1	195.4	108.2	81.9	62.9	52.8
15°	1764.6	1173.0	752.2	479.2	354.2	306.3	218.5	113.5	85.3	64.7	53.0
12.5°	2071.6	1332.9	839.6	520.0	362.6	310.3	237.5	118.4	88.4	66.4	53.2
10°	2382.8	1487.8	919.8	556.1	370.7	312.9	252.7	122.7	91.1	67.8	53.4
7.5°	2686.9	1633.2	990.9	586.9	378.1	314.3	264.0	126.4	93.5	69.0	53.4
5°	2971.6	1763.9	1051.2	611.8	384.4	314.5	271.6	129.5	95.4	70.0	53.5
2.5°	3224.0	1874.7	1098.7	630.3	389.2	313.7	275.6	132.0	96.9	70.8	53.5
0°	3430.8	1960.5	1131.7	641.6	392.1	311.9	276.2	133.7	98.0	71.3	53.5
-2.5°	3462.2	1961.7	1125.0	636.4	391.7	315.5	281.7	134.3	98.2	71.5	53.8
-5°	3429.5	1930.9	1101.6	623.9	389.3	318.5	283.6	134.1	97.9	71.5	54.1
-7.5°	3328.1	1866.7	1061.3	604.1	385.4	321.2	281.3	133.1	97.1	71.1	54.4
-10°	3153.6	1768.1	1004.1	577.5	380.2	323.8	274.6	131.3	95.8	70.5	54.6
-12.5°	2903.0	1634.1	930.1	544.3	374.0	326.7	263.1	128.7	94.0	69.6	54.8
-15°	2573.5	1464.2	839.2	504.8	367.2	330.0	246.3	125.2	91.8	68.4	54.9
-17.5°	2163.5	1258.0	731.8	459.3	360.0	334.1	224.1	120.9	89.1	66.9	54.9
-20°	1872.9	1074.0	620.1	408.1	352.6	339.1	196.2	115.7	86.0	65.2	54.9



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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°	1580.3	924.2	557.2	389.1	350.1	345.3	162.4	109.7	82.4	63.2	54.7
-25°	1248.6	757.7	489.2	379.3	355.8	306.2	139.3	102.7	78.4	60.9	54.5
-27.5°	1014.3	603.4	416.3	370.3	363.4	258.9	130.9	97.6	74.5	58.4	54.1
-30°	820.3	520.1	392.1	367.0	373.0	204.2	121.5	92.2	71.3	57.1	53.6
-32.5°	622.7	432.4	383.6	378.3	329.5	146.3	111.2	86.3	67.9	56.6	52.4
-35°	515.8	390.4	370.1	392.3	255.4	134.1	101.6	79.9	64.3	55.9	50.9
-37.5°	401.6	368.6	372.6	354.5	172.9	120.8	94.2	74.6	60.3	55.0	49.2
-40°	371.3	352.8	372.5	252.9	138.9	106.4	86.3	70.0	58.3	53.9	47.5
-42.5°	337.5	349.4	295.3	154.2	122.1	97.2	78.3	65.1	56.9	52.1	45.7
-45°	329.2	307.6	194.5	133.9	105.8	87.6	72.6	60.4	55.3	49.9	44.2
-47.5°	296.4	208.3	141.5	114.1	95.0	78.6	66.6	58.3	53.4	47.7	43.0
-50°	202.2	144.9	119.6	99.9	83.8	71.5	61.3	55.9	50.8	45.3	41.7
-52.5°	144.1	120.9	102.4	87.5	74.8	64.0	58.2	53.2	48.1	43.4	40.2
-55°	117.9	102.4	88.7	76.5	66.0	59.1	54.6	50.0	45.2	41.4	38.7
-57.5°	99.9	87.4	76.4	66.2	59.2	54.5	50.8	46.8	42.6	39.4	37.8
-60°	84.0	73.9	64.4	58.3	53.6	50.0	46.9	43.5	40.0	37.5	36.9
-62.5°	69.0	61.0	56.0	51.6	48.5	45.8	43.1	40.1	37.1	36.8	36.1
-65°	56.7	52.2	48.3	46.1	43.8	41.7	39.6	36.6	36.2	36.2	34.9
-67.5°	46.4	44.7	42.9	41.1	39.9	38.4	36.1	35.5	35.8	35.6	32.4
-70°	40.4	39.0	38.6	38.0	36.9	35.5	35.1	35.3	35.6	32.8	29.9
-72.5°	36.7	36.8	36.4	35.5	34.6	34.2	34.4	34.3	32.4	29.9	27.4
-75°	35.6	34.5	33.5	32.9	32.7	32.7	31.7	30.6	29.1	27.0	26.7
-77.5°	30.7	30.3	30.1	29.6	29.0	28.3	27.6	26.8	26.7	26.7	26.7
-80°	25.1	25.0	24.7	24.5	24.2	23.9	24.9	25.8	26.7	26.7	26.7
-82.5°	19.1	19.9	20.9	21.8	22.8	23.8	24.8	25.8	26.7	26.7	24.0
-85°	18.8	19.8	20.8	21.8	22.8	23.7	22.8	21.7	20.4	18.2	16.0
-87.5°	12.7	12.7	12.6	12.5	12.2	11.9	11.4	10.9	10.2	9.1	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



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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°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
85°	13.8	11.5	9.3	7.0	4.6	2.3	0.0
82.5°	20.7	17.3	13.9	10.4	7.0	3.5	0.0
80°	26.7	23.0	18.5	13.9	9.3	4.6	0.0
77.5°	26.7	26.7	23.0	17.3	11.5	5.8	0.0
75°	26.7	26.7	26.7	20.7	13.8	6.9	0.0
72.5°	26.7	26.7	26.7	24.0	16.0	8.0	0.0
70°	27.0	26.7	26.7	26.7	18.2	9.1	0.0
67.5°	29.1	26.7	26.7	26.7	20.4	10.2	0.0
65°	31.3	27.6	26.7	26.7	22.5	11.3	0.0
62.5°	33.3	29.3	26.7	26.7	24.6	12.3	0.0
60°	35.4	31.0	26.7	26.7	26.7	13.3	0.0
57.5°	36.4	32.7	28.0	26.7	26.7	14.3	0.0
55°	37.3	34.3	29.2	26.7	26.7	15.3	0.0
52.5°	38.2	35.7	30.5	26.7	26.7	16.3	0.0
50°	39.2	36.6	31.7	26.7	26.7	17.2	0.0
47.5°	40.3	37.5	32.9	26.9	26.7	18.0	0.0
45°	41.2	38.4	34.0	27.8	26.7	18.9	0.0
42.5°	42.1	39.4	35.1	28.6	26.7	19.7	0.0
40°	42.9	40.3	36.0	29.3	26.7	20.5	0.0
37.5°	43.6	41.3	36.7	30.1	26.7	21.2	0.0
35°	44.2	41.9	37.4	30.8	26.7	21.9	0.0
32.5°	44.8	42.4	38.1	31.4	26.7	22.5	0.0
30°	45.7	42.9	38.8	32.0	26.7	23.1	0.0
27.5°	46.5	43.3	39.5	32.6	26.7	23.7	0.0
25°	47.3	43.6	40.1	33.1	26.7	24.2	0.0
22.5°	48.1	43.9	40.8	33.6	26.7	24.7	0.0
20°	48.9	44.1	41.4	34.0	26.7	25.1	0.0
17.5°	49.7	44.2	41.9	34.4	26.7	25.5	0.0
15°	50.4	44.4	42.5	34.7	26.7	25.8	0.0
12.5°	51.1	44.5	42.9	35.0	26.7	26.1	0.0
10°	51.7	44.5	43.4	35.2	26.7	26.3	0.0
7.5°	52.3	44.6	43.8	35.4	26.7	26.5	0.0
5°	52.8	44.6	44.1	35.5	26.7	26.6	0.0
2.5°	53.2	44.6	44.4	35.6	26.7	26.7	0.0
0°	53.5	44.6	44.6	35.6	26.7	26.7	0.0
-2.5°	53.4	44.6	44.4	35.6	26.7	26.7	0.0
-5°	53.3	44.6	44.1	35.5	26.7	26.6	0.0
-7.5°	53.0	44.6	43.8	35.4	26.7	26.5	0.0
-10°	52.7	44.5	43.4	35.2	26.7	26.3	0.0
-12.5°	52.2	44.5	42.9	35.0	26.7	26.1	0.0
-15°	51.6	44.4	42.5	34.7	26.7	25.8	0.0
-17.5°	51.0	44.2	41.9	34.4	26.7	25.5	0.0
-20°	50.2	44.1	41.4	34.0	26.7	25.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	49.4	43.9	40.8	33.6	26.7	24.7	0.0
-25°	48.4	43.6	40.1	33.1	26.7	24.2	0.0
-27.5°	47.3	43.3	39.5	32.6	26.7	23.7	0.0
-30°	46.2	42.9	38.8	32.0	26.7	23.1	0.0
-32.5°	45.0	42.4	38.1	31.4	26.7	22.5	0.0
-35°	44.2	41.9	37.4	30.8	26.7	21.9	0.0
-37.5°	43.6	41.3	36.7	30.1	26.7	21.2	0.0
-40°	42.9	40.3	36.0	29.3	26.7	20.5	0.0
-42.5°	42.1	39.4	35.1	28.6	26.7	19.7	0.0
-45°	41.2	38.4	34.0	27.8	26.7	18.9	0.0
-47.5°	40.3	37.5	32.9	26.9	26.7	18.0	0.0
-50°	39.2	36.6	31.7	26.7	26.7	17.2	0.0
-52.5°	38.2	35.7	30.5	26.7	26.7	16.3	0.0
-55°	37.3	34.3	29.2	26.7	26.7	15.3	0.0
-57.5°	36.4	32.7	28.0	26.7	26.7	14.3	0.0
-60°	35.4	31.0	26.7	26.7	26.7	13.3	0.0
-62.5°	33.3	29.3	26.7	26.7	24.6	12.3	0.0
-65°	31.3	27.6	26.7	26.7	22.5	11.3	0.0
-67.5°	29.1	26.7	26.7	26.7	20.4	10.2	0.0
-70°	27.0	26.7	26.7	26.7	18.2	9.1	0.0
-72.5°	26.7	26.7	26.7	24.0	16.0	8.0	0.0
-75°	26.7	26.7	26.7	20.7	13.8	6.9	0.0
-77.5°	26.7	26.7	23.0	17.3	11.5	5.8	0.0
-80°	26.7	23.0	18.5	13.9	9.3	4.6	0.0
-82.5°	20.7	17.3	13.9	10.4	7.0	3.5	0.0
-85°	13.8	11.5	9.3	7.0	4.6	2.3	0.0
-87.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)