

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: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-57-70-3L-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-54)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200L-57-70-3L-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 3L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

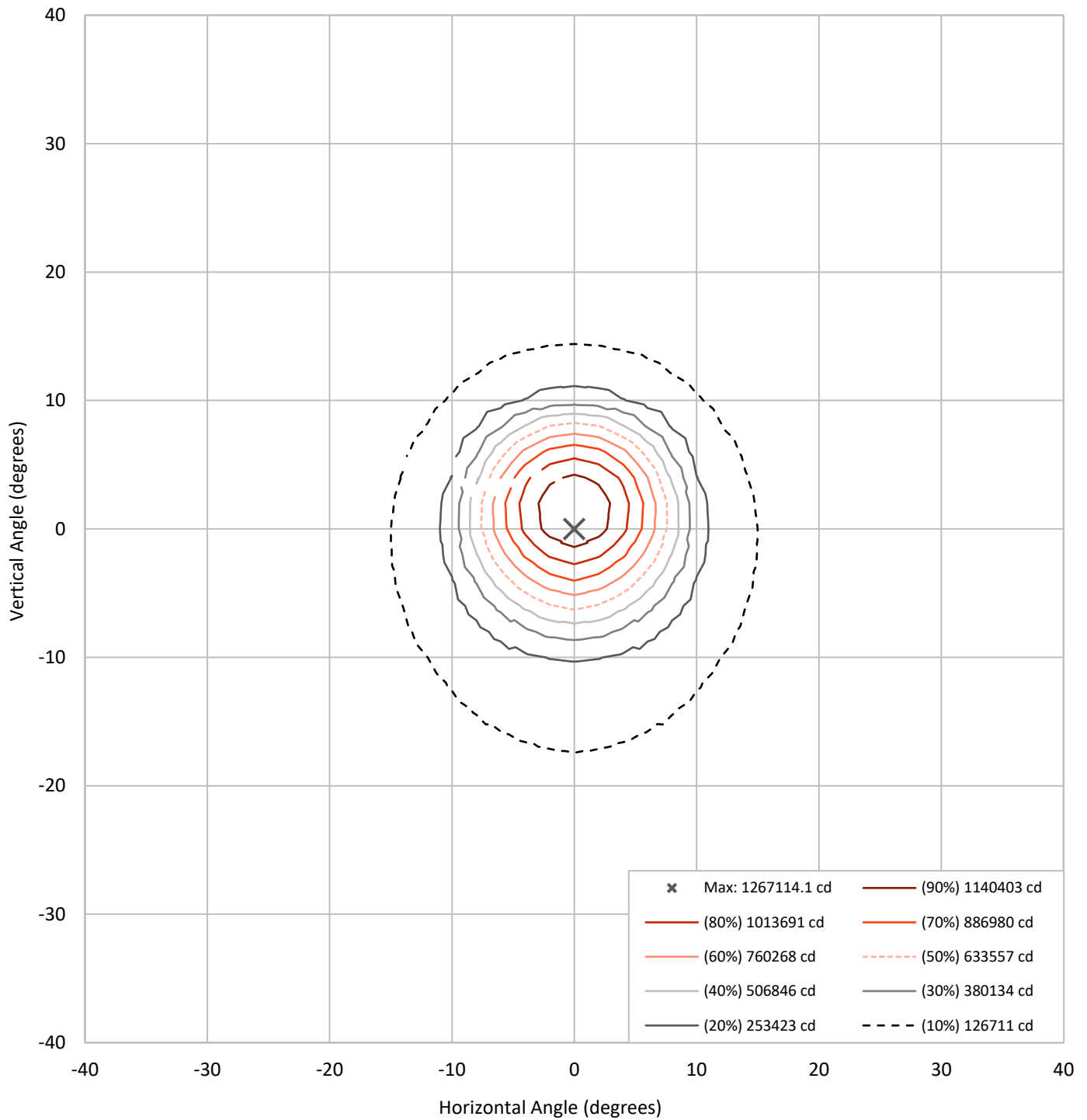
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	166008.4 lumens	Max Intensity:	1267114.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.7 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		

Beam Angle (50%):	15.2°H x 14.5°V	Field Angle (10%):	29.6°H x 31.5°V
Beam Lumens:	46285.4 lumens	Field Lumens:	92370.1 lumens
Beam Efficiency:	27.9%	Field Efficiency:	55.6%

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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CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-A

Iso-Candela Plot





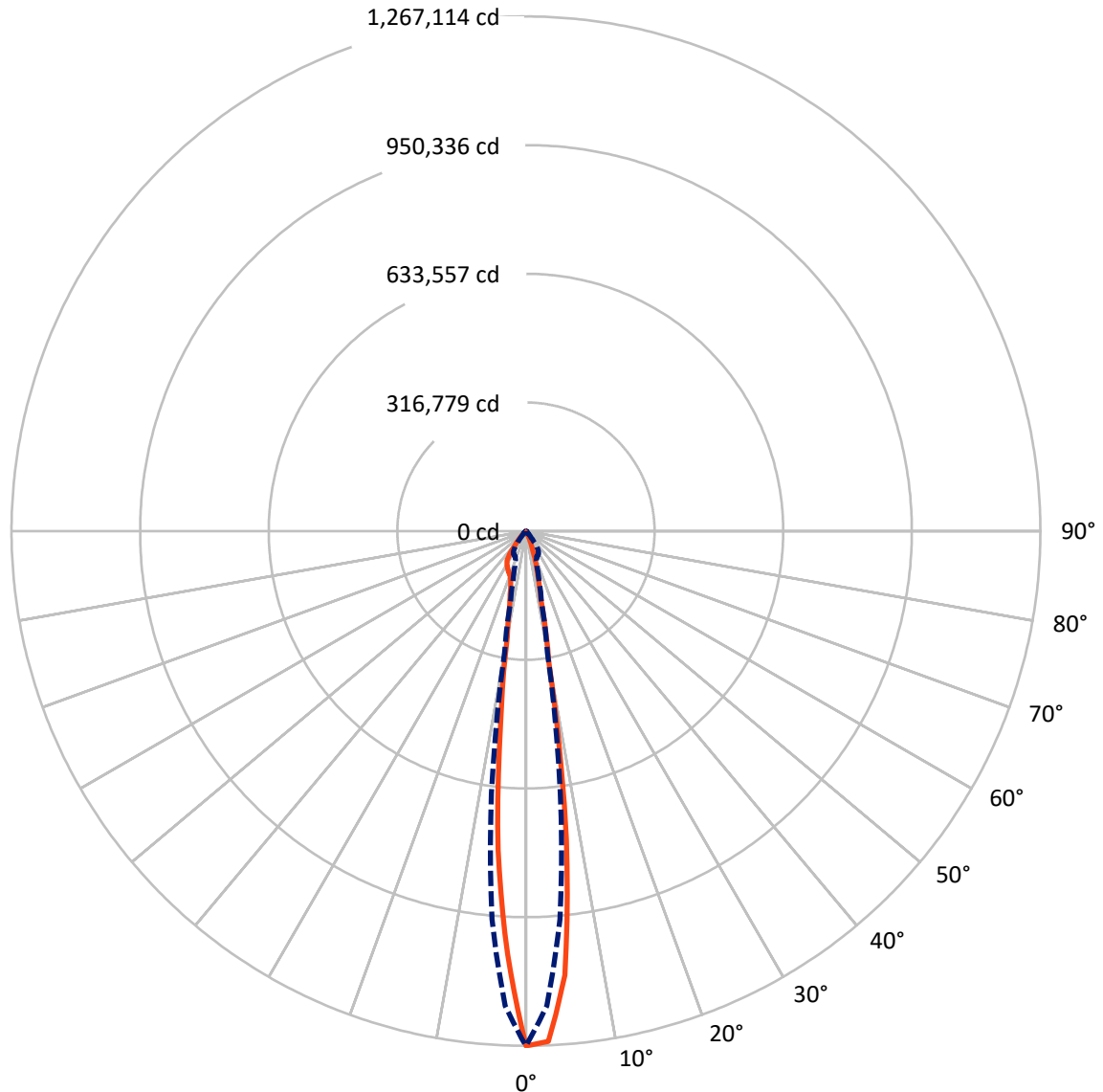
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Lumen Table

90	0.3	1.3		2.3		3.3		3.6		3.3		2.3		1.3		0.3			
80	0.3	1.3		2.3		3.3		3.6		3.3		2.3		1.3		0.3			
70	0.6	0.5	0.7	1.2	1.8	2.4	3.1	3.6	3.6	3.1	2.4	1.8	1.2	0.7	0.5	0.6			
60		0.6	1.1	2.1	3.7	6.4	12.4	26.0	26.0	12.4	6.4	3.7	2.1	1.1	0.6				
50	0.8	0.7	1.8	4.5	9.6	16.4	23.8	34.6	34.6	23.8	16.4	9.6	4.5	1.8	0.7	0.8			
40		1.0	3.4	9.3	18.0	29.0	45.7	64.2	64.2	45.7	29.0	18.0	9.3	3.4	1.0				
30	0.9	1.4	5.9	17.4	65.0	234.9	401.0	520.4	520.4	401.0	234.9	65.0	17.4	5.9	1.4	0.9			
20		1.8	9.6	44.2	388.9	1044.5	1733.4	3388.5	3388.5	1733.4	1044.5	388.9	44.2	9.6	1.8				
10	1.0	2.1	15.0	109.5	874.6	1674.3	3547.4	20570.1	20570.1	3547.4	1674.3	874.6	109.5	15.0	2.1	1.0			
0		2.4	19.9	165.2	1154.9	2020.4	3780.5	16523.1	16523.1	3780.5	2020.4	1154.9	165.2	19.9	2.4				
-10	0.9	2.4	17.5	145.2	1013.7	2293.4	2974.3	4351.6	4351.6	2974.3	2293.4	1013.7	145.2	17.5	2.4	0.9			
-20		1.8	10.8	74.2	515.5	1858.3	2766.4	3092.0	3092.0	2766.4	1858.3	515.5	74.2	10.8	1.8				
-30	0.7	1.2	5.9	23.8	154.1	655.7	1442.8	1961.0	1961.0	1442.8	655.7	154.1	23.8	5.9	1.2	0.7			
-40		0.8	2.9	8.1	28.1	120.1	285.7	417.6	417.6	285.7	120.1	28.1	8.1	2.9	0.8				
-50	0.6	0.6	1.4	3.4	6.6	12.7	27.6	40.8	40.8	27.6	12.7	6.6	3.4	1.4	0.6	0.6			
-60		0.4	0.8	1.4	2.4	3.7	5.0	5.6	5.6	5.0	3.7	2.4	1.4	0.8	0.4				
-70	0.3	1.2	2.2		3.2		3.5		3.2		2.2		1.2		0.3				
-80		1.2	2.2		3.2		3.5		3.2		2.2		1.2						
-90	0.3	1.2		2.2		3.2		3.5		3.2		2.2		1.2		0.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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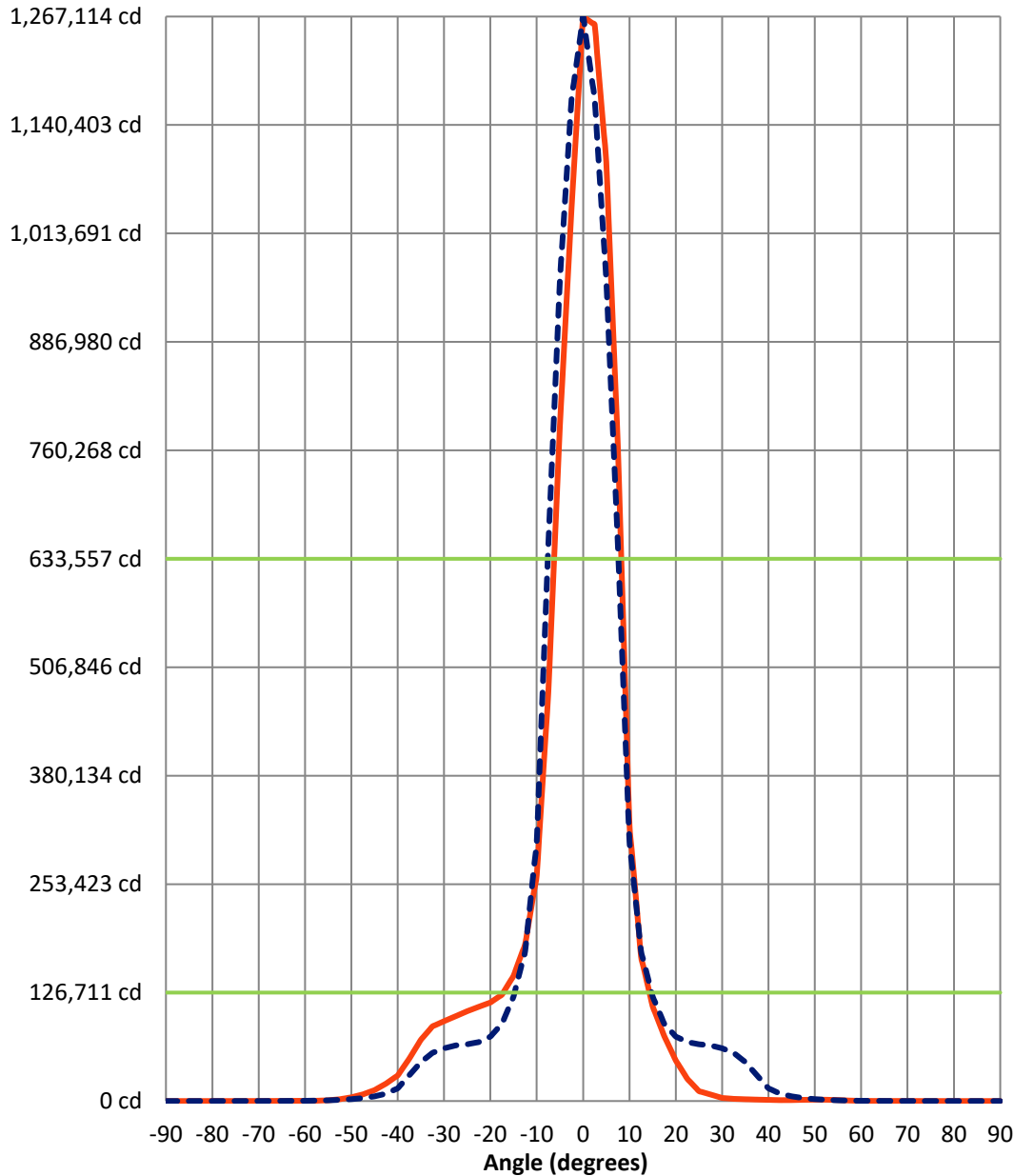
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 15.2°
 V Angle: 14.5°
 Lumens: 46285.4
 Efficiency: 27.9%

Field:
 H Angle: 29.6°
 V Angle: 31.5°
 Lumens: 92370.1
 Efficiency: 55.6%

Spill:
 Lumens: 73638.3
 Efficiency: 44.4%

— 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	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.1
85°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
82.5°	0.0	2.5	5.0	7.5	9.9	12.4	14.8	17.2	19.3	20.5	21.6
80°	0.0	3.3	6.6	9.9	13.2	16.5	19.4	21.0	22.6	24.1	25.7
77.5°	0.0	4.1	8.3	12.4	16.5	19.8	21.8	23.8	25.8	27.7	28.7
75°	0.0	4.9	9.9	14.8	19.4	21.8	24.2	26.6	28.7	28.7	28.7
72.5°	0.0	5.7	11.5	17.2	21.0	23.8	26.6	28.7	28.7	28.7	28.7
70°	0.0	6.5	13.1	19.3	22.6	25.8	28.7	28.7	28.7	28.8	31.8
67.5°	0.0	7.3	14.6	20.5	24.1	27.7	28.7	28.7	28.8	32.2	35.6
65°	0.0	8.1	16.1	21.6	25.7	28.7	28.7	28.7	31.8	35.6	38.3
62.5°	0.0	8.8	17.6	22.8	27.2	28.7	28.7	30.5	34.8	38.3	38.3
60°	0.0	9.5	19.1	23.9	28.6	28.7	28.7	33.1	37.7	38.3	38.3
57.5°	0.0	10.3	19.8	24.9	28.7	28.7	30.6	35.6	38.3	38.3	40.7
55°	0.0	11.0	20.5	26.0	28.7	28.7	32.7	38.0	38.3	39.0	44.1
52.5°	0.0	11.6	21.2	27.0	28.7	29.0	34.7	38.3	38.3	42.0	47.5
50°	0.0	12.3	21.8	28.0	28.7	30.6	36.7	38.3	39.1	44.9	49.4
47.5°	0.0	12.9	22.5	28.7	28.7	32.2	38.3	38.3	41.6	47.7	51.5
45°	0.0	13.5	23.1	28.7	28.7	33.7	38.3	38.3	44.0	50.1	54.0
42.5°	0.0	14.1	23.6	28.7	28.7	35.2	38.3	39.5	46.3	52.8	58.1
40°	0.0	14.6	24.2	28.7	29.3	36.5	38.3	41.4	48.5	55.7	62.0
37.5°	0.0	15.2	24.7	28.7	30.3	37.9	38.3	43.2	50.7	58.1	65.2
35°	0.0	15.6	25.2	28.7	31.3	38.3	38.3	45.0	52.7	60.3	68.9
32.5°	0.0	16.1	25.7	28.7	32.2	38.3	38.7	46.6	54.6	62.5	74.0
30°	0.0	16.5	26.1	28.7	33.1	38.3	40.0	48.2	56.4	64.4	79.2
27.5°	0.0	16.9	26.5	28.7	33.9	38.3	41.2	49.6	58.0	66.3	84.6
25°	0.0	17.3	26.9	28.7	34.7	38.3	42.4	50.9	59.5	69.7	90.2
22.5°	0.0	17.6	27.2	28.7	35.4	38.3	43.4	52.1	60.9	73.9	100.0
20°	0.0	17.9	27.5	28.7	36.0	38.3	44.3	53.2	62.1	78.0	108.9
17.5°	0.0	18.2	27.8	28.7	36.5	38.3	45.1	54.2	63.2	81.9	117.0
15°	0.0	18.4	28.0	28.7	37.0	38.3	45.8	55.0	64.2	85.6	124.3
12.5°	0.0	18.6	28.2	28.7	37.4	38.3	46.4	55.8	65.8	89.1	130.6
10°	0.0	18.8	28.4	28.7	37.7	38.3	46.9	56.3	68.0	91.7	136.2
7.5°	0.0	18.9	28.5	28.7	38.0	38.3	47.3	56.8	70.3	93.6	141.7
5°	0.0	19.0	28.6	28.7	38.2	38.3	47.6	57.1	72.5	94.8	146.4
2.5°	0.0	19.1	28.7	28.7	38.3	38.3	47.7	57.3	74.6	95.4	150.2
0°	0.0	19.1	28.7	28.7	38.3	38.3	47.8	57.4	76.5	95.6	153.0
-2.5°	0.0	19.1	28.7	28.7	38.3	38.3	47.7	57.3	76.3	97.4	159.1
-5°	0.0	19.0	28.6	28.7	38.2	38.3	47.6	57.1	75.9	98.7	163.7
-7.5°	0.0	18.9	28.5	28.7	38.0	38.3	47.3	56.8	75.1	99.5	166.5
-10°	0.0	18.8	28.4	28.7	37.7	38.3	46.9	56.3	74.1	99.6	167.4
-12.5°	0.0	18.6	28.2	28.7	37.4	38.3	46.4	55.8	72.7	98.8	162.9
-15°	0.0	18.4	28.0	28.7	37.0	38.3	45.8	55.0	71.1	95.9	155.1
-17.5°	0.0	18.2	27.8	28.7	36.5	38.3	45.1	54.2	69.1	92.6	145.5
-20°	0.0	17.9	27.5	28.7	36.0	38.3	44.3	53.2	66.9	88.9	134.1



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 CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.6	27.2	28.7	35.4	38.3	43.4	52.1	64.4	84.6	120.9
-25°	0.0	17.3	26.9	28.7	34.7	38.1	42.4	50.9	61.7	79.9	105.9
-27.5°	0.0	16.9	26.5	28.7	33.9	37.8	41.2	49.6	58.6	75.3	99.6
-30°	0.0	16.5	26.1	28.7	33.1	37.4	40.0	48.2	56.4	71.6	93.4
-32.5°	0.0	16.1	25.7	28.7	32.1	36.9	38.7	46.6	54.6	67.6	86.6
-35°	0.0	15.6	25.2	28.7	31.1	36.3	37.9	45.0	52.7	63.3	79.4
-37.5°	0.0	15.2	24.7	28.7	30.1	35.4	37.2	43.2	50.7	58.7	73.4
-40°	0.0	14.6	24.2	28.7	29.2	34.1	36.3	41.4	48.5	55.7	68.0
-42.5°	0.0	14.1	23.6	28.7	28.7	32.9	35.3	39.5	46.3	53.1	62.4
-45°	0.0	13.5	23.1	28.7	28.7	31.7	34.0	37.7	44.0	50.5	57.0
-47.5°	0.0	12.9	22.5	28.7	28.7	30.7	32.5	35.9	41.6	47.7	53.9
-50°	0.0	12.3	21.8	28.0	28.7	29.7	31.4	33.8	39.1	44.9	50.7
-52.5°	0.0	11.6	21.2	27.0	28.7	28.8	30.5	31.5	36.4	42.0	47.5
-55°	0.0	11.0	20.5	26.0	28.7	28.7	29.7	29.2	33.7	39.0	44.1
-57.5°	0.0	10.3	19.8	24.9	28.7	28.7	29.1	28.8	31.0	35.9	40.7
-60°	0.0	9.5	19.1	23.9	28.6	28.7	28.7	28.7	28.7	32.7	37.1
-62.5°	0.0	8.8	17.6	22.8	27.2	28.7	28.7	28.7	28.7	29.4	33.5
-65°	0.0	8.1	16.1	21.6	25.7	28.7	28.7	28.6	28.7	28.7	29.8
-67.5°	0.0	7.3	14.6	20.5	24.1	27.7	28.7	28.3	28.7	28.7	28.7
-70°	0.0	6.5	13.1	19.3	22.6	25.8	28.7	27.8	27.5	28.7	28.7
-72.5°	0.0	5.7	11.5	17.2	21.0	23.8	26.6	27.2	26.2	26.5	28.0
-75°	0.0	4.9	9.9	14.8	19.4	21.8	24.2	25.2	24.6	24.0	24.4
-77.5°	0.0	4.1	8.3	12.4	16.5	19.8	21.8	22.8	22.7	21.7	20.5
-80°	0.0	3.3	6.6	9.9	13.2	16.5	19.4	20.6	20.9	20.5	19.3
-82.5°	0.0	2.5	5.0	7.5	9.9	12.4	14.8	17.2	19.2	19.5	19.1
-85°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
-87.5°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.1
-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):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.8	9.5	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.6	15.2
85°	17.6	19.1	19.3	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
82.5°	21.9	21.6	20.7	19.3	19.1	19.1	19.3	20.2	20.7	20.6	20.1
80°	25.4	24.2	22.8	22.1	23.2	24.5	25.8	27.0	26.3	24.6	23.0
77.5°	27.4	26.5	26.5	27.4	28.7	28.7	28.7	28.7	28.1	27.9	28.4
75°	28.3	28.6	29.3	29.1	28.7	28.7	29.0	30.8	32.0	32.0	31.2
72.5°	30.3	31.4	31.3	29.9	30.8	33.1	35.3	37.4	37.5	37.1	38.5
70°	34.1	34.6	34.0	34.5	36.4	38.3	38.3	38.3	38.8	42.6	47.8
67.5°	37.7	36.6	37.0	38.4	38.3	38.3	38.3	43.0	49.0	54.4	58.1
65°	38.2	38.0	39.5	39.8	38.5	41.9	47.2	54.0	59.7	62.7	65.3
62.5°	38.3	40.8	42.2	42.2	43.7	48.4	55.8	62.1	66.5	72.4	78.3
60°	41.5	44.6	45.0	45.8	49.5	57.8	65.3	71.2	78.4	86.3	92.8
57.5°	45.4	47.1	46.9	51.2	60.0	67.7	73.2	80.4	91.0	99.9	107.6
55°	48.1	47.7	51.2	60.8	68.6	73.2	81.5	94.7	105.4	117.7	127.5
52.5°	49.1	49.8	60.0	68.6	73.6	82.9	97.3	112.1	127.0	140.3	154.1
50°	50.6	57.9	67.7	73.2	83.6	100.0	116.5	134.4	153.9	170.9	192.5
47.5°	55.8	65.1	71.8	80.8	100.8	120.5	139.9	164.7	187.3	216.8	248.1
45°	61.4	70.4	76.5	97.6	120.3	143.8	172.0	200.0	232.7	269.9	320.0
42.5°	66.4	75.5	91.5	114.8	142.9	173.6	207.1	242.7	281.7	335.4	400.0
40°	71.4	81.3	108.6	136.9	168.0	207.1	249.0	290.3	339.9	411.0	488.6
37.5°	76.9	97.1	126.8	159.5	199.4	245.3	292.9	349.7	415.4	492.4	576.5
35°	82.6	112.9	147.6	186.8	233.0	287.6	347.8	416.6	502.9	581.6	659.7
32.5°	93.4	128.6	168.2	218.3	273.5	334.0	402.8	500.8	593.1	675.5	732.4
30°	107.0	146.6	191.1	250.0	314.0	388.8	477.6	585.7	682.6	762.6	823.2
27.5°	119.6	164.5	219.4	285.0	356.3	445.9	565.8	670.3	768.9	858.3	934.1
25°	131.4	181.7	247.5	320.0	408.0	520.8	659.5	785.7	865.8	978.1	1185.0
22.5°	144.0	199.0	272.8	353.8	460.4	602.4	769.8	932.9	1066.7	1158.5	1550.4
20°	157.7	220.3	299.2	391.8	515.0	684.2	892.3	1112.1	1342.1	1742.3	2680.7
17.5°	170.9	239.8	327.4	441.9	597.2	794.8	1029.6	1318.3	1672.3	2481.1	4610.8
15°	183.4	257.4	355.5	493.3	689.5	953.7	1274.9	1633.8	2207.2	3612.3	6948.4
12.5°	195.0	273.0	382.9	545.1	786.4	1128.1	1573.6	2166.1	3151.8	5542.9	11515.0
10°	205.6	286.7	409.0	595.8	884.9	1311.9	1899.0	2775.9	4268.6	7678.0	16102.1
7.5°	212.3	296.3	434.0	644.1	981.9	1498.3	2238.0	3433.7	5417.7	9697.3	20509.3
5°	216.6	301.7	461.2	714.7	1116.1	1715.6	2596.4	4107.3	6555.8	11554.1	24575.2
2.5°	219.1	304.9	486.0	786.2	1271.4	1976.8	3025.4	4836.9	7640.2	13312.5	27840.5
0°	219.9	306.0	506.8	851.1	1415.3	2218.5	3423.4	5508.1	8615.9	14869.9	30112.7
-2.5°	234.0	340.5	549.6	899.3	1489.7	2370.8	3711.9	6030.9	9691.5	16619.6	31837.5
-5°	246.0	371.3	586.2	936.6	1542.4	2484.7	3935.1	6430.0	10480.7	17738.4	32337.9
-7.5°	255.4	396.9	615.9	956.1	1549.0	2502.4	3990.5	6514.4	10695.9	17942.1	31564.9
-10°	260.7	402.0	601.5	921.9	1494.8	2438.2	3934.6	6432.6	10593.5	17602.2	29931.9
-12.5°	255.6	389.9	575.5	875.4	1413.9	2320.6	3777.1	6167.4	10133.1	16671.2	27313.1
-15°	247.3	374.7	545.7	816.4	1305.3	2145.3	3508.3	5703.4	9189.0	14694.9	23052.6
-17.5°	235.3	356.8	512.4	744.6	1167.7	1909.1	3094.0	4924.9	7982.5	12894.2	20270.3
-20°	219.5	336.4	476.2	659.9	1015.3	1642.9	2657.9	4284.8	6916.9	11051.3	17139.6



REPORT NUMBER: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	199.8	313.6	442.3	604.3	885.9	1386.6	2216.6	3539.3	5635.7	8873.6	14101.0
-25°	180.1	290.4	412.7	542.8	750.6	1114.7	1737.4	2743.4	4491.0	7298.7	11499.5
-27.5°	162.0	262.1	371.1	481.3	618.1	866.2	1371.3	2190.1	3506.2	5547.9	8719.8
-30°	141.9	225.7	329.1	423.8	535.8	719.8	1047.5	1606.7	2535.3	4183.3	6633.7
-32.5°	119.6	189.3	286.8	376.4	468.7	580.7	768.7	1200.0	1872.4	2872.0	4653.3
-35°	102.0	163.0	244.3	329.3	404.9	490.8	628.2	855.3	1262.6	2005.3	3210.4
-37.5°	93.6	135.2	202.0	282.8	354.3	424.6	491.7	643.3	899.8	1278.2	2170.9
-40°	84.7	105.9	167.4	237.0	307.1	367.1	425.5	492.0	627.5	922.0	1337.4
-42.5°	75.8	95.2	134.0	191.4	258.4	319.8	365.3	409.9	474.4	618.5	904.5
-45°	69.3	84.6	103.2	153.4	206.2	270.4	319.9	352.8	388.3	438.7	578.6
-47.5°	62.6	74.5	91.4	116.9	161.7	211.3	272.2	311.6	336.4	361.4	378.4
-50°	56.5	66.9	79.8	98.3	125.5	161.2	205.9	263.2	298.9	316.4	331.0
-52.5°	52.9	59.1	70.7	85.4	102.7	126.6	155.0	191.6	243.1	283.9	296.6
-55°	49.2	54.2	61.3	73.6	88.4	104.4	121.4	145.2	166.4	212.1	254.5
-57.5°	45.4	50.0	54.6	61.8	74.4	88.4	100.8	112.8	131.6	149.3	172.7
-60°	41.5	45.8	50.0	54.2	59.8	72.2	83.5	94.2	104.8	115.2	131.4
-62.5°	37.6	41.5	45.4	49.2	52.9	57.9	68.0	77.6	85.3	94.3	103.2
-65°	33.5	37.1	40.7	44.1	47.5	51.4	56.7	63.5	71.7	77.6	83.0
-67.5°	29.4	32.7	35.9	39.0	41.8	44.1	47.7	52.5	58.4	63.4	68.2
-70°	28.7	28.7	31.0	33.7	35.8	36.2	38.0	40.8	44.9	49.2	53.5
-72.5°	28.7	28.7	28.7	28.7	30.6	31.5	31.2	29.9	32.0	37.3	41.5
-75°	26.3	28.5	28.7	28.7	28.1	28.0	28.8	28.9	29.3	30.9	33.3
-77.5°	21.9	23.8	25.5	27.3	27.0	25.4	24.5	24.4	25.6	26.9	28.3
-80°	19.1	19.1	20.5	21.9	22.3	22.0	21.1	19.4	19.1	19.7	20.7
-82.5°	19.1	19.1	19.1	19.1	19.1	19.1	19.2	19.1	19.1	19.1	19.1
-85°	17.6	19.1	19.1	19.1	19.1	19.1	19.1	19.1	17.9	16.9	16.2
-87.5°	8.8	9.5	10.3	11.0	11.6	12.3	12.9	13.5	12.3	11.0	9.5
-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: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-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°	15.6	14.1	12.4	10.6	8.7	8.9	9.0	9.2	9.3	7.0	4.7
85°	19.1	18.4	17.8	17.5	17.3	15.7	13.8	11.8	9.6	9.5	9.5
82.5°	19.2	19.1	19.1	19.1	19.1	18.6	18.3	18.1	18.1	18.4	18.7
80°	22.0	22.6	23.5	24.3	25.1	25.8	26.4	26.9	27.4	27.8	28.1
77.5°	28.8	29.1	30.1	31.5	33.5	34.6	35.4	36.0	36.6	37.1	37.6
75°	29.5	31.0	35.4	39.0	41.9	43.4	44.3	45.1	45.8	46.4	46.9
72.5°	41.7	45.6	48.2	49.6	50.9	52.1	53.2	54.2	55.0	55.8	56.3
70°	51.9	54.6	56.4	58.0	59.5	61.3	64.0	67.1	70.5	72.7	74.1
67.5°	60.3	62.5	64.4	66.3	69.2	72.9	77.1	80.3	82.6	85.1	88.1
65°	68.9	73.7	78.2	82.4	86.3	89.8	93.0	95.8	98.3	100.7	102.7
62.5°	84.0	89.3	94.3	98.9	103.2	108.1	113.4	118.1	122.3	126.5	131.6
60°	98.9	104.8	110.6	117.4	125.1	133.5	142.8	152.6	163.2	174.0	183.1
57.5°	115.7	121.6	128.4	142.2	155.2	167.4	187.5	216.3	247.6	282.5	343.7
55°	137.6	149.0	159.5	183.4	210.8	237.8	271.8	330.2	395.7	466.0	617.4
52.5°	167.4	193.5	219.2	251.0	296.5	342.2	392.0	478.7	570.7	665.5	857.2
50°	223.9	258.1	300.8	345.8	401.0	457.5	513.6	608.8	703.9	796.5	970.2
47.5°	294.2	342.2	395.0	444.3	505.7	561.5	610.4	685.9	767.3	837.1	949.2
45°	375.0	438.2	495.2	546.3	601.5	649.2	686.6	729.4	790.8	832.9	881.3
42.5°	470.1	533.3	591.8	640.3	684.2	727.0	762.3	792.3	838.1	880.8	918.4
40°	560.5	622.1	674.7	723.1	764.8	806.4	864.9	915.2	970.1	1044.7	1118.3
37.5°	646.7	700.8	750.1	798.1	861.6	933.4	1003.1	1085.1	1178.2	1312.5	1447.3
35°	723.2	774.5	822.2	890.5	975.3	1060.1	1165.5	1319.6	1465.7	1632.2	1799.8
32.5°	791.7	851.5	919.4	1006.2	1115.2	1319.4	1412.5	1628.6	1758.8	1968.0	2205.1
30°	862.4	962.6	1182.4	1312.0	1592.9	1978.3	2021.8	2243.7	2518.9	2699.3	3214.6
27.5°	1054.2	1325.6	1832.9	2757.0	2947.2	3502.3	4146.5	3869.8	5092.1	4916.0	6650.7
25°	1569.2	2177.1	4149.2	5933.2	6754.5	7463.3	9051.7	9538.1	11740.5	13132.4	13499.8
22.5°	2751.3	5395.4	8250.3	10768.5	13092.9	14991.3	17036.8	20054.2	21407.8	22092.2	22687.4
20°	4954.5	9789.6	14143.9	17753.3	21075.8	24257.1	28008.7	30247.6	31668.1	34601.5	37630.1
17.5°	9614.7	15547.0	20882.1	25407.5	29784.5	34728.1	37870.8	40417.0	44267.1	49518.5	55499.2
15°	15030.5	22036.4	27968.1	33422.5	38993.7	43790.3	46845.5	50792.0	57003.9	65134.2	75357.7
12.5°	20753.8	28515.2	34918.2	40966.1	47823.9	51084.2	54550.9	60316.6	68965.3	80712.6	101568.7
10°	26401.9	34610.7	41452.7	47903.2	53474.1	56791.4	60735.1	67576.0	81061.3	102801.5	133422.1
7.5°	31959.1	40680.6	47519.4	53745.0	57862.8	60800.7	65786.9	75565.7	94301.6	124377.6	171726.7
5°	37290.8	46420.4	52903.0	58256.7	61122.3	63929.6	69636.2	82235.2	108011.5	149065.3	230192.3
2.5°	41922.6	51659.9	57589.8	61897.2	63804.9	66486.1	72844.2	87127.4	117411.8	168637.5	296416.7
0°	45489.4	56247.3	61602.4	64987.6	66345.5	68927.4	75372.6	90338.1	122286.8	175263.7	303632.3
-2.5°	48083.2	59909.8	65155.1	68082.0	69301.6	71491.6	77547.6	91264.9	121190.4	171232.4	282629.8
-5°	49219.9	62161.8	68226.1	71296.7	72738.3	74660.7	79755.5	91729.1	116401.1	154949.1	225661.6
-7.5°	48816.6	63211.1	70883.8	74407.7	76190.0	78093.4	82195.2	91158.7	108738.6	136744.9	180458.5
-10°	46950.2	63137.9	72984.6	77270.6	79833.3	81795.1	84564.2	89893.1	101194.6	121501.0	147075.2
-12.5°	43559.4	61512.9	74526.4	79721.6	83036.1	85401.0	88001.8	91952.5	98273.4	107854.0	126443.9
-15°	39058.9	57621.9	72679.3	80744.5	85131.8	88647.5	91495.5	94026.4	98184.4	104151.0	112506.5
-17.5°	33600.1	51352.6	68371.8	80838.3	86365.0	90565.6	93682.5	96684.1	99303.3	103230.9	107113.1
-20°	26555.0	43562.7	61794.4	76243.7	85400.7	90584.7	94674.6	97610.9	100303.3	102800.7	105396.3



REPORT NUMBER: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21779.8	35016.9	51928.4	69486.1	80854.6	88334.9	93400.3	96565.9	99547.3	101373.2	103377.8
-25°	17496.8	25965.7	41158.1	57189.9	72262.1	82709.3	89449.8	93742.2	96410.9	98531.3	100043.5
-27.5°	13680.7	20627.6	29953.2	44578.5	59107.2	71902.6	80996.5	88895.6	91665.5	94289.6	95639.0
-30°	9983.5	15433.1	22852.2	31882.5	44386.8	55972.3	67087.9	75934.1	82859.9	87956.1	89882.1
-32.5°	7357.7	10856.1	16450.8	23338.6	29968.7	40020.3	49661.2	58742.0	67095.6	73945.3	78821.8
-35°	5018.7	7624.8	10751.1	15996.7	21179.5	26837.6	32978.9	40810.5	47384.5	54909.0	61363.5
-37.5°	3392.8	5077.4	7460.0	10301.1	14399.3	18250.7	22440.3	26601.8	30454.2	36533.2	41889.4
-40°	2214.3	3274.5	4943.6	6892.4	9516.2	11987.8	15098.1	17754.3	20547.3	23842.8	26662.9
-42.5°	1316.1	2094.2	3045.6	4456.9	6038.0	7762.2	9792.6	11698.7	13594.9	15574.7	17339.8
-45°	801.3	1226.7	1781.8	2667.3	3544.9	4769.0	5974.7	7081.7	8513.7	9778.9	10808.5
-47.5°	512.2	668.3	1014.5	1447.0	1962.3	2707.3	3434.2	4170.9	5074.3	5880.9	6523.6
-50°	356.5	421.4	563.1	707.5	1018.4	1380.5	1730.0	2182.3	2727.6	3223.4	3614.6
-52.5°	307.4	330.5	358.8	412.2	539.3	665.1	788.8	1045.0	1305.9	1539.9	1723.7
-55°	276.8	285.6	293.4	317.6	347.3	377.8	421.3	519.0	613.1	701.8	766.0
-57.5°	209.1	240.1	261.2	271.0	281.3	292.0	313.0	338.4	360.2	378.1	388.7
-60°	146.9	161.5	188.4	213.1	233.4	249.4	262.9	276.9	290.0	299.4	299.3
-62.5°	111.6	122.8	137.1	151.2	164.5	179.8	197.3	214.2	230.2	241.9	245.7
-65°	89.0	96.2	104.4	113.2	122.6	133.6	142.6	151.4	160.0	166.3	169.2
-67.5°	72.8	77.1	81.1	84.9	90.4	96.9	102.5	107.6	112.0	115.7	118.8
-70°	57.5	61.3	64.8	68.1	71.2	74.0	76.5	78.7	80.7	82.3	83.7
-72.5°	44.6	46.6	48.5	51.4	54.0	56.4	58.6	60.5	62.2	63.6	64.8
-75°	36.5	38.7	40.0	41.2	42.4	43.4	44.3	45.1	45.8	46.4	46.9
-77.5°	29.5	29.3	28.9	29.0	29.4	30.9	32.4	33.8	35.0	36.0	36.8
-80°	21.7	21.9	21.5	20.6	19.3	18.5	18.0	17.8	17.8	18.2	18.5
-82.5°	19.1	18.1	17.3	16.7	16.5	15.2	13.6	11.8	9.7	9.4	9.4
-85°	15.7	14.6	13.1	11.5	9.7	9.6	9.6	9.6	9.6	7.2	4.8
-87.5°	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.3	7.0	4.7
-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: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-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°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.7	7.0	9.3	9.2
85°	9.5	9.5	9.6	9.6	9.6	9.5	9.5	9.5	9.5	9.6	11.8
82.5°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.7	18.4	18.1	18.1
80°	28.4	28.6	28.7	28.7	28.7	28.6	28.4	28.1	27.8	27.4	26.9
77.5°	37.9	38.1	38.3	38.3	38.3	38.1	37.9	37.6	37.1	36.6	36.0
75°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.4	45.8	45.1
72.5°	56.8	57.1	57.3	57.4	57.3	57.1	56.8	56.3	55.8	55.0	54.2
70°	75.1	75.9	76.3	76.5	76.3	75.9	75.1	74.1	72.7	70.5	67.1
67.5°	91.3	94.5	95.4	95.6	95.4	94.5	91.3	88.1	85.1	82.6	80.3
65°	104.0	104.8	105.1	105.2	105.1	104.8	104.0	102.7	100.7	98.3	95.8
62.5°	136.6	141.1	143.0	143.4	143.0	141.1	136.6	131.6	126.5	122.3	118.1
60°	190.8	197.2	204.1	210.4	204.1	197.2	190.8	183.1	174.0	163.2	152.6
57.5°	411.7	482.2	538.9	583.3	538.9	482.2	411.7	343.7	282.5	247.6	216.3
55°	785.6	958.7	1082.4	1166.6	1082.4	958.7	785.6	617.4	466.0	395.7	330.2
52.5°	1078.0	1299.9	1445.6	1530.0	1445.6	1299.9	1078.0	857.2	665.5	570.7	478.7
50°	1189.2	1406.1	1542.4	1606.5	1542.4	1406.1	1189.2	970.2	796.5	703.9	608.8
47.5°	1106.0	1252.7	1357.3	1424.8	1357.3	1252.7	1106.0	949.2	837.1	767.3	685.9
45°	965.0	1034.7	1078.8	1099.7	1078.8	1034.7	965.0	881.3	832.9	790.8	729.4
42.5°	980.4	1027.3	1052.4	1051.9	1052.4	1027.3	980.4	918.4	880.8	838.1	792.3
40°	1209.5	1292.8	1352.0	1367.5	1352.0	1292.8	1209.5	1118.3	1044.7	970.1	915.2
37.5°	1561.3	1642.5	1690.7	1692.6	1690.7	1642.5	1561.3	1447.3	1312.5	1178.2	1085.1
35°	1938.7	2037.3	2106.2	2094.2	2106.2	2037.3	1938.7	1799.8	1632.2	1465.7	1319.6
32.5°	2357.4	2474.0	2556.9	2572.3	2556.9	2474.0	2357.4	2205.1	1968.0	1758.8	1628.6
30°	3424.3	3608.9	3658.0	3643.4	3658.0	3608.9	3424.3	3214.6	2699.3	2518.9	2243.7
27.5°	7368.2	7704.0	7558.0	7621.4	7558.0	7704.0	7368.2	6650.7	4916.0	5092.1	3869.8
25°	13340.0	12786.8	12089.9	11570.8	12089.9	12786.8	13340.0	13499.8	13132.4	11740.5	9538.1
22.5°	24377.5	25190.0	25814.1	25866.9	25814.1	25190.0	24377.5	22687.4	22092.2	21407.8	20054.2
20°	41597.0	44402.6	46431.5	47430.6	46431.5	44402.6	41597.0	37630.1	34601.5	31668.1	30247.6
17.5°	62829.4	69340.8	73387.2	75994.1	73387.2	69340.8	62829.4	55499.2	49518.5	44267.1	40417.0
15°	89000.9	102241.9	109756.6	110849.9	109756.6	102241.9	89000.9	75357.7	65134.2	57003.9	50792.0
12.5°	122831.7	145840.5	163521.4	168976.3	163521.4	145840.5	122831.7	101568.7	80712.6	68965.3	60316.6
10°	172102.6	228041.3	305891.1	323685.1	305891.1	228041.3	172102.6	133422.1	102801.5	81061.3	67576.0
7.5°	281550.1	490338.9	711596.9	765559.5	711596.9	490338.9	281550.1	171726.7	124377.6	94301.6	75565.7
5°	470867.0	858182.7	#####	#####	#####	858182.7	470867.0	230192.3	149065.3	108011.5	82235.2
2.5°	645601.2	987864.0	#####	#####	#####	987864.0	645601.2	296416.7	168637.5	117411.8	87127.4
0°	649947.4	959169.1	#####	#####	#####	959169.1	649947.4	303632.3	175263.7	122286.8	90338.1
-2.5°	531422.6	803621.1	979381.0	#####	979381.0	803621.1	531422.6	282629.8	171232.4	121190.4	91264.9
-5°	357934.3	567289.2	721927.0	788983.1	721927.0	567289.2	357934.3	225661.6	154949.1	116401.1	91729.1
-7.5°	247239.3	342328.9	448337.2	477542.9	448337.2	342328.9	247239.3	180458.5	136744.9	108738.6	91158.7
-10°	182310.4	218301.0	255681.7	264062.2	255681.7	218301.0	182310.4	147075.2	121501.0	101194.6	89893.1
-12.5°	144828.9	164340.7	180773.2	183291.5	180773.2	164340.7	144828.9	126443.9	107854.0	98273.4	91952.5
-15°	124011.6	134954.5	142196.1	146384.6	142196.1	134954.5	124011.6	112506.5	104151.0	98184.4	94026.4
-17.5°	113165.0	118182.6	121671.6	124323.6	121671.6	118182.6	113165.0	107113.1	103230.9	99303.3	96684.1
-20°	108250.0	110838.3	113338.7	115162.6	113338.7	110838.3	108250.0	105396.3	102800.7	100303.3	97610.9



REPORT NUMBER: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	105061.3	106843.9	108400.7	110132.7	108400.7	106843.9	105061.3	103377.8	101373.2	99547.3	96565.9
-25°	101277.3	102619.1	103793.3	104968.9	103793.3	102619.1	101277.3	100043.5	98531.3	96410.9	93742.2
-27.5°	96630.4	97573.3	98265.5	99097.4	98265.5	97573.3	96630.4	95639.0	94289.6	91665.5	88895.6
-30°	91248.0	92167.5	92611.1	93302.5	92611.1	92167.5	91248.0	89882.1	87956.1	82859.9	75934.1
-32.5°	82313.7	84538.5	85927.9	87192.0	85927.9	84538.5	82313.7	78821.8	73945.3	67095.6	58742.0
-35°	65810.7	68377.1	69942.1	71585.8	69942.1	68377.1	65810.7	61363.5	54909.0	47384.5	40810.5
-37.5°	45403.9	47303.2	48350.1	49543.9	48350.1	47303.2	45403.9	41889.4	36533.2	30454.2	26601.8
-40°	28409.7	29522.5	30038.5	29911.9	30038.5	29522.5	28409.7	26662.9	23842.8	20547.3	17754.3
-42.5°	18530.8	19298.6	19866.1	20454.4	19866.1	19298.6	18530.8	17339.8	15574.7	13594.9	11698.7
-45°	11657.7	12329.0	12728.6	12794.8	12728.6	12329.0	11657.7	10808.5	9778.9	8513.7	7081.7
-47.5°	6977.4	7302.3	7577.5	7812.7	7577.5	7302.3	6977.4	6523.6	5880.9	5074.3	4170.9
-50°	3900.4	4103.6	4270.8	4398.8	4270.8	4103.6	3900.4	3614.6	3223.4	2727.6	2182.3
-52.5°	1869.6	1980.5	2070.2	2132.5	2070.2	1980.5	1869.6	1723.7	1539.9	1305.9	1045.0
-55°	815.6	851.2	879.9	898.9	879.9	851.2	815.6	766.0	701.8	613.1	519.0
-57.5°	397.8	404.9	401.9	392.1	401.9	404.9	397.8	388.7	378.1	360.2	338.4
-60°	298.0	295.5	295.8	296.4	295.8	295.5	298.0	299.3	299.4	290.0	276.9
-62.5°	247.1	246.3	247.7	248.6	247.7	246.3	247.1	245.7	241.9	230.2	214.2
-65°	170.6	170.6	171.6	172.1	171.6	170.6	170.6	169.2	166.3	160.0	151.4
-67.5°	121.2	122.9	124.0	124.3	124.0	122.9	121.2	118.8	115.7	112.0	107.6
-70°	84.7	85.5	90.4	95.6	90.4	85.5	84.7	83.7	82.3	80.7	78.7
-72.5°	65.7	66.4	66.8	66.9	66.8	66.4	65.7	64.8	63.6	62.2	60.5
-75°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.4	45.8	45.1
-77.5°	37.5	37.9	38.2	38.3	38.2	37.9	37.5	36.8	36.0	35.0	33.8
-80°	18.8	19.0	23.8	28.7	23.8	19.0	18.8	18.5	18.2	17.8	17.8
-82.5°	9.4	9.5	9.6	9.6	9.6	9.5	9.4	9.4	9.4	9.7	11.8
-85°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.8	7.2	9.6	9.6
-87.5°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	4.7	7.0	9.3	9.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
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°	9.0	8.9	8.7	10.6	12.4	14.1	15.6	15.2	14.6	14.1	13.5
85°	13.8	15.7	17.3	17.5	17.8	18.4	19.1	19.1	19.1	19.1	19.1
82.5°	18.3	18.6	19.1	19.1	19.1	19.1	19.2	20.1	20.6	20.7	20.2
80°	26.4	25.8	25.1	24.3	23.5	22.6	22.0	23.0	24.6	26.3	27.0
77.5°	35.4	34.6	33.5	31.5	30.1	29.1	28.8	28.4	27.9	28.1	28.7
75°	44.3	43.4	41.9	39.0	35.4	31.0	29.5	31.2	32.0	32.0	30.8
72.5°	53.2	52.1	50.9	49.6	48.2	45.6	41.7	38.5	37.1	37.5	37.4
70°	64.0	61.3	59.5	58.0	56.4	54.6	51.9	47.8	42.6	38.8	38.3
67.5°	77.1	72.9	69.2	66.3	64.4	62.5	60.3	58.1	54.4	49.0	43.0
65°	93.0	89.8	86.3	82.4	78.2	73.7	68.9	65.3	62.7	59.7	54.0
62.5°	113.4	108.1	103.2	98.9	94.3	89.3	84.0	78.3	72.4	66.5	62.1
60°	142.8	133.5	125.1	117.4	110.6	104.8	98.9	92.8	86.3	78.4	71.2
57.5°	187.5	167.4	155.2	142.2	128.4	121.6	115.7	107.6	99.9	91.0	80.4
55°	271.8	237.8	210.8	183.4	159.5	149.0	137.6	127.5	117.7	105.4	94.7
52.5°	392.0	342.2	296.5	251.0	219.2	193.5	167.4	154.1	140.3	127.0	112.1
50°	513.6	457.5	401.0	345.8	300.8	258.1	223.9	192.5	170.9	153.9	134.4
47.5°	610.4	561.5	505.7	444.3	395.0	342.2	294.2	248.1	216.8	187.3	164.7
45°	686.6	649.2	601.5	546.3	495.2	438.2	375.0	320.0	269.9	232.7	200.0
42.5°	762.3	727.0	684.2	640.3	591.8	533.3	470.1	400.0	335.4	281.7	242.7
40°	864.9	806.4	764.8	723.1	674.7	622.1	560.5	488.6	411.0	339.9	290.3
37.5°	1003.1	933.4	861.6	798.1	750.1	700.8	646.7	576.5	492.4	415.4	349.7
35°	1165.5	1060.1	975.3	890.5	822.2	774.5	723.2	659.7	581.6	502.9	416.6
32.5°	1412.5	1319.4	1115.2	1006.2	919.4	851.5	791.7	732.4	675.5	593.1	500.8
30°	2021.8	1978.3	1592.9	1312.0	1182.4	962.6	862.4	823.2	762.6	682.6	585.7
27.5°	4146.5	3502.3	2947.2	2757.0	1832.9	1325.6	1054.2	934.1	858.3	768.9	670.3
25°	9051.7	7463.3	6754.5	5933.2	4149.2	2177.1	1569.2	1185.0	978.1	865.8	785.7
22.5°	17036.8	14991.3	13092.9	10768.5	8250.3	5395.4	2751.3	1550.4	1158.5	1066.7	932.9
20°	28008.7	24257.1	21075.8	17753.3	14143.9	9789.6	4954.5	2680.7	1742.3	1342.1	1112.1
17.5°	37870.8	34728.1	29784.5	25407.5	20882.1	15547.0	9614.7	4610.8	2481.1	1672.3	1318.3
15°	46845.5	43790.3	38993.7	33422.5	27968.1	22036.4	15030.5	6948.4	3612.3	2207.2	1633.8
12.5°	54550.9	51084.2	47823.9	40966.1	34918.2	28515.2	20753.8	11515.0	5542.9	3151.8	2166.1
10°	60735.1	56791.4	53474.1	47903.2	41452.7	34610.7	26401.9	16102.1	7678.0	4268.6	2775.9
7.5°	65786.9	60800.7	57862.8	53745.0	47519.4	40680.6	31959.1	20509.3	9697.3	5417.7	3433.7
5°	69636.2	63929.6	61122.3	58256.7	52903.0	46420.4	37290.8	24575.2	11554.1	6555.8	4107.3
2.5°	72844.2	66486.1	63804.9	61897.2	57589.8	51659.9	41922.6	27840.5	13312.5	7640.2	4836.9
0°	75372.6	68927.4	66345.5	64987.6	61602.4	56247.3	45489.4	30112.7	14869.9	8615.9	5508.1
-2.5°	77547.6	71491.6	69301.6	68082.0	65155.1	59909.8	48083.2	31837.5	16619.6	9691.5	6030.9
-5°	79755.5	74660.7	72738.3	71296.7	68226.1	62161.8	49219.9	32337.9	17738.4	10480.7	6430.0
-7.5°	82195.2	78093.4	76190.0	74407.7	70883.8	63211.1	48816.6	31564.9	17942.1	10695.9	6514.4
-10°	84564.2	81795.1	79833.3	77270.6	72984.6	63137.9	46950.2	29931.9	17602.2	10593.5	6432.6
-12.5°	88001.8	85401.0	83036.1	79721.6	74526.4	61512.9	43559.4	27313.1	16671.2	10133.1	6167.4
-15°	91495.5	88647.5	85131.8	80744.5	72679.3	57621.9	39058.9	23052.6	14694.9	9189.0	5703.4
-17.5°	93682.5	90565.6	86365.0	80838.3	68371.8	51352.6	33600.1	20270.3	12894.2	7982.5	4924.9
-20°	94674.6	90584.7	85400.7	76243.7	61794.4	43562.7	26555.0	17139.6	11051.3	6916.9	4284.8



REPORT NUMBER: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	93400.3	88334.9	80854.6	69486.1	51928.4	35016.9	21779.8	14101.0	8873.6	5635.7	3539.3
-25°	89449.8	82709.3	72262.1	57189.9	41158.1	25965.7	17496.8	11499.5	7298.7	4491.0	2743.4
-27.5°	80996.5	71902.6	59107.2	44578.5	29953.2	20627.6	13680.7	8719.8	5547.9	3506.2	2190.1
-30°	67087.9	55972.3	44386.8	31882.5	22852.2	15433.1	9983.5	6633.7	4183.3	2535.3	1606.7
-32.5°	49661.2	40020.3	29968.7	23338.6	16450.8	10856.1	7357.7	4653.3	2872.0	1872.4	1200.0
-35°	32978.9	26837.6	21179.5	15996.7	10751.1	7624.8	5018.7	3210.4	2005.3	1262.6	855.3
-37.5°	22440.3	18250.7	14399.3	10301.1	7460.0	5077.4	3392.8	2170.9	1278.2	899.8	643.3
-40°	15098.1	11987.8	9516.2	6892.4	4943.6	3274.5	2214.3	1337.4	922.0	627.5	492.0
-42.5°	9792.6	7762.2	6038.0	4456.9	3045.6	2094.2	1316.1	904.5	618.5	474.4	409.9
-45°	5974.7	4769.0	3544.9	2667.3	1781.8	1226.7	801.3	578.6	438.7	388.3	352.8
-47.5°	3434.2	2707.3	1962.3	1447.0	1014.5	668.3	512.2	378.4	361.4	336.4	311.6
-50°	1730.0	1380.5	1018.4	707.5	563.1	421.4	356.5	331.0	316.4	298.9	263.2
-52.5°	788.8	665.1	539.3	412.2	358.8	330.5	307.4	296.6	283.9	243.1	191.6
-55°	421.3	377.8	347.3	317.6	293.4	285.6	276.8	254.5	212.1	166.4	145.2
-57.5°	313.0	292.0	281.3	271.0	261.2	240.1	209.1	172.7	149.3	131.6	112.8
-60°	262.9	249.4	233.4	213.1	188.4	161.5	146.9	131.4	115.2	104.8	94.2
-62.5°	197.3	179.8	164.5	151.2	137.1	122.8	111.6	103.2	94.3	85.3	77.6
-65°	142.6	133.6	122.6	113.2	104.4	96.2	89.0	83.0	77.6	71.7	63.5
-67.5°	102.5	96.9	90.4	84.9	81.1	77.1	72.8	68.2	63.4	58.4	52.5
-70°	76.5	74.0	71.2	68.1	64.8	61.3	57.5	53.5	49.2	44.9	40.8
-72.5°	58.6	56.4	54.0	51.4	48.5	46.6	44.6	41.5	37.3	32.0	29.9
-75°	44.3	43.4	42.4	41.2	40.0	38.7	36.5	33.3	30.9	29.3	28.9
-77.5°	32.4	30.9	29.4	29.0	28.9	29.3	29.5	28.3	26.9	25.6	24.4
-80°	18.0	18.5	19.3	20.6	21.5	21.9	21.7	20.7	19.7	19.1	19.4
-82.5°	13.6	15.2	16.5	16.7	17.3	18.1	19.1	19.1	19.1	19.1	19.1
-85°	9.6	9.6	9.7	11.5	13.1	14.6	15.7	16.2	16.9	17.9	19.1
-87.5°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	9.5	11.0	12.3	13.5
-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: P1306478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3L-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°	12.9	12.3	11.6	11.0	10.3	9.5	8.8	8.1	7.3	6.5	5.7
85°	19.1	19.1	19.1	19.1	19.3	19.1	17.6	16.1	14.6	13.1	11.5
82.5°	19.3	19.1	19.1	19.3	20.7	21.6	21.9	21.6	20.5	19.3	17.2
80°	25.8	24.5	23.2	22.1	22.8	24.2	25.4	25.7	24.1	22.6	21.0
77.5°	28.7	28.7	28.7	27.4	26.5	26.5	27.4	28.7	27.7	25.8	23.8
75°	29.0	28.7	28.7	29.1	29.3	28.6	28.3	28.7	28.7	28.7	26.6
72.5°	35.3	33.1	30.8	29.9	31.3	31.4	30.3	28.7	28.7	28.7	28.7
70°	38.3	38.3	36.4	34.5	34.0	34.6	34.1	31.8	28.8	28.7	28.7
67.5°	38.3	38.3	38.3	38.4	37.0	36.6	37.7	35.6	32.2	28.8	28.7
65°	47.2	41.9	38.5	39.8	39.5	38.0	38.2	38.3	35.6	31.8	28.7
62.5°	55.8	48.4	43.7	42.2	42.2	40.8	38.3	38.3	38.3	34.8	30.5
60°	65.3	57.8	49.5	45.8	45.0	44.6	41.5	38.3	38.3	37.7	33.1
57.5°	73.2	67.7	60.0	51.2	46.9	47.1	45.4	40.7	38.3	38.3	35.6
55°	81.5	73.2	68.6	60.8	51.2	47.7	48.1	44.1	39.0	38.3	38.0
52.5°	97.3	82.9	73.6	68.6	60.0	49.8	49.1	47.5	42.0	38.3	38.3
50°	116.5	100.0	83.6	73.2	67.7	57.9	50.6	49.4	44.9	39.1	38.3
47.5°	139.9	120.5	100.8	80.8	71.8	65.1	55.8	51.5	47.7	41.6	38.3
45°	172.0	143.8	120.3	97.6	76.5	70.4	61.4	54.0	50.1	44.0	38.3
42.5°	207.1	173.6	142.9	114.8	91.5	75.5	66.4	58.1	52.8	46.3	39.5
40°	249.0	207.1	168.0	136.9	108.6	81.3	71.4	62.0	55.7	48.5	41.4
37.5°	292.9	245.3	199.4	159.5	126.8	97.1	76.9	65.2	58.1	50.7	43.2
35°	347.8	287.6	233.0	186.8	147.6	112.9	82.6	68.9	60.3	52.7	45.0
32.5°	402.8	334.0	273.5	218.3	168.2	128.6	93.4	74.0	62.5	54.6	46.6
30°	477.6	388.8	314.0	250.0	191.1	146.6	107.0	79.2	64.4	56.4	48.2
27.5°	565.8	445.9	356.3	285.0	219.4	164.5	119.6	84.6	66.3	58.0	49.6
25°	659.5	520.8	408.0	320.0	247.5	181.7	131.4	90.2	69.7	59.5	50.9
22.5°	769.8	602.4	460.4	353.8	272.8	199.0	144.0	100.0	73.9	60.9	52.1
20°	892.3	684.2	515.0	391.8	299.2	220.3	157.7	108.9	78.0	62.1	53.2
17.5°	1029.6	794.8	597.2	441.9	327.4	239.8	170.9	117.0	81.9	63.2	54.2
15°	1274.9	953.7	689.5	493.3	355.5	257.4	183.4	124.3	85.6	64.2	55.0
12.5°	1573.6	1128.1	786.4	545.1	382.9	273.0	195.0	130.6	89.1	65.8	55.8
10°	1899.0	1311.9	884.9	595.8	409.0	286.7	205.6	136.2	91.7	68.0	56.3
7.5°	2238.0	1498.3	981.9	644.1	434.0	296.3	212.3	141.7	93.6	70.3	56.8
5°	2596.4	1715.6	1116.1	714.7	461.2	301.7	216.6	146.4	94.8	72.5	57.1
2.5°	3025.4	1976.8	1271.4	786.2	486.0	304.9	219.1	150.2	95.4	74.6	57.3
0°	3423.4	2218.5	1415.3	851.1	506.8	306.0	219.9	153.0	95.6	76.5	57.4
-2.5°	3711.9	2370.8	1489.7	899.3	549.6	340.5	234.0	159.1	97.4	76.3	57.3
-5°	3935.1	2484.7	1542.4	936.6	586.2	371.3	246.0	163.7	98.7	75.9	57.1
-7.5°	3990.5	2502.4	1549.0	956.1	615.9	396.9	255.4	166.5	99.5	75.1	56.8
-10°	3934.6	2438.2	1494.8	921.9	601.5	402.0	260.7	167.4	99.6	74.1	56.3
-12.5°	3777.1	2320.6	1413.9	875.4	575.5	389.9	255.6	162.9	98.8	72.7	55.8
-15°	3508.3	2145.3	1305.3	816.4	545.7	374.7	247.3	155.1	95.9	71.1	55.0
-17.5°	3094.0	1909.1	1167.7	744.6	512.4	356.8	235.3	145.5	92.6	69.1	54.2
-20°	2657.9	1642.9	1015.3	659.9	476.2	336.4	219.5	134.1	88.9	66.9	53.2



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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°	2216.6	1386.6	885.9	604.3	442.3	313.6	199.8	120.9	84.6	64.4	52.1
-25°	1737.4	1114.7	750.6	542.8	412.7	290.4	180.1	105.9	79.9	61.7	50.9
-27.5°	1371.3	866.2	618.1	481.3	371.1	262.1	162.0	99.6	75.3	58.6	49.6
-30°	1047.5	719.8	535.8	423.8	329.1	225.7	141.9	93.4	71.6	56.4	48.2
-32.5°	768.7	580.7	468.7	376.4	286.8	189.3	119.6	86.6	67.6	54.6	46.6
-35°	628.2	490.8	404.9	329.3	244.3	163.0	102.0	79.4	63.3	52.7	45.0
-37.5°	491.7	424.6	354.3	282.8	202.0	135.2	93.6	73.4	58.7	50.7	43.2
-40°	425.5	367.1	307.1	237.0	167.4	105.9	84.7	68.0	55.7	48.5	41.4
-42.5°	365.3	319.8	258.4	191.4	134.0	95.2	75.8	62.4	53.1	46.3	39.5
-45°	319.9	270.4	206.2	153.4	103.2	84.6	69.3	57.0	50.5	44.0	37.7
-47.5°	272.2	211.3	161.7	116.9	91.4	74.5	62.6	53.9	47.7	41.6	35.9
-50°	205.9	161.2	125.5	98.3	79.8	66.9	56.5	50.7	44.9	39.1	33.8
-52.5°	155.0	126.6	102.7	85.4	70.7	59.1	52.9	47.5	42.0	36.4	31.5
-55°	121.4	104.4	88.4	73.6	61.3	54.2	49.2	44.1	39.0	33.7	29.2
-57.5°	100.8	88.4	74.4	61.8	54.6	50.0	45.4	40.7	35.9	31.0	28.8
-60°	83.5	72.2	59.8	54.2	50.0	45.8	41.5	37.1	32.7	28.7	28.7
-62.5°	68.0	57.9	52.9	49.2	45.4	41.5	37.6	33.5	29.4	28.7	28.7
-65°	56.7	51.4	47.5	44.1	40.7	37.1	33.5	29.8	28.7	28.7	28.6
-67.5°	47.7	44.1	41.8	39.0	35.9	32.7	29.4	28.7	28.7	28.7	28.3
-70°	38.0	36.2	35.8	33.7	31.0	28.7	28.7	28.7	28.7	27.5	27.8
-72.5°	31.2	31.5	30.6	28.7	28.7	28.7	28.7	28.0	26.5	26.2	27.2
-75°	28.8	28.0	28.1	28.7	28.7	28.5	26.3	24.4	24.0	24.6	25.2
-77.5°	24.5	25.4	27.0	27.3	25.5	23.8	21.9	20.5	21.7	22.7	22.8
-80°	21.1	22.0	22.3	21.9	20.5	19.1	19.1	19.3	20.5	20.9	20.6
-82.5°	19.2	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.5	19.2	17.2
-85°	19.1	19.1	19.1	19.1	19.1	19.1	17.6	16.1	14.6	13.1	11.5
-87.5°	12.9	12.3	11.6	11.0	10.3	9.5	8.8	8.1	7.3	6.5	5.7
-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°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
85°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
82.5°	14.8	12.4	9.9	7.5	5.0	2.5	0.0
80°	19.4	16.5	13.2	9.9	6.6	3.3	0.0
77.5°	21.8	19.8	16.5	12.4	8.3	4.1	0.0
75°	24.2	21.8	19.4	14.8	9.9	4.9	0.0
72.5°	26.6	23.8	21.0	17.2	11.5	5.7	0.0
70°	28.7	25.8	22.6	19.3	13.1	6.5	0.0
67.5°	28.7	27.7	24.1	20.5	14.6	7.3	0.0
65°	28.7	28.7	25.7	21.6	16.1	8.1	0.0
62.5°	28.7	28.7	27.2	22.8	17.6	8.8	0.0
60°	28.7	28.7	28.6	23.9	19.1	9.5	0.0
57.5°	30.6	28.7	28.7	24.9	19.8	10.3	0.0
55°	32.7	28.7	28.7	26.0	20.5	11.0	0.0
52.5°	34.7	29.0	28.7	27.0	21.2	11.6	0.0
50°	36.7	30.6	28.7	28.0	21.8	12.3	0.0
47.5°	38.3	32.2	28.7	28.7	22.5	12.9	0.0
45°	38.3	33.7	28.7	28.7	23.1	13.5	0.0
42.5°	38.3	35.2	28.7	28.7	23.6	14.1	0.0
40°	38.3	36.5	29.3	28.7	24.2	14.6	0.0
37.5°	38.3	37.9	30.3	28.7	24.7	15.2	0.0
35°	38.3	38.3	31.3	28.7	25.2	15.6	0.0
32.5°	38.7	38.3	32.2	28.7	25.7	16.1	0.0
30°	40.0	38.3	33.1	28.7	26.1	16.5	0.0
27.5°	41.2	38.3	33.9	28.7	26.5	16.9	0.0
25°	42.4	38.3	34.7	28.7	26.9	17.3	0.0
22.5°	43.4	38.3	35.4	28.7	27.2	17.6	0.0
20°	44.3	38.3	36.0	28.7	27.5	17.9	0.0
17.5°	45.1	38.3	36.5	28.7	27.8	18.2	0.0
15°	45.8	38.3	37.0	28.7	28.0	18.4	0.0
12.5°	46.4	38.3	37.4	28.7	28.2	18.6	0.0
10°	46.9	38.3	37.7	28.7	28.4	18.8	0.0
7.5°	47.3	38.3	38.0	28.7	28.5	18.9	0.0
5°	47.6	38.3	38.2	28.7	28.6	19.0	0.0
2.5°	47.7	38.3	38.3	28.7	28.7	19.1	0.0
0°	47.8	38.3	38.3	28.7	28.7	19.1	0.0
-2.5°	47.7	38.3	38.3	28.7	28.7	19.1	0.0
-5°	47.6	38.3	38.2	28.7	28.6	19.0	0.0
-7.5°	47.3	38.3	38.0	28.7	28.5	18.9	0.0
-10°	46.9	38.3	37.7	28.7	28.4	18.8	0.0
-12.5°	46.4	38.3	37.4	28.7	28.2	18.6	0.0
-15°	45.8	38.3	37.0	28.7	28.0	18.4	0.0
-17.5°	45.1	38.3	36.5	28.7	27.8	18.2	0.0
-20°	44.3	38.3	36.0	28.7	27.5	17.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	43.4	38.3	35.4	28.7	27.2	17.6	0.0
-25°	42.4	38.1	34.7	28.7	26.9	17.3	0.0
-27.5°	41.2	37.8	33.9	28.7	26.5	16.9	0.0
-30°	40.0	37.4	33.1	28.7	26.1	16.5	0.0
-32.5°	38.7	36.9	32.1	28.7	25.7	16.1	0.0
-35°	37.9	36.3	31.1	28.7	25.2	15.6	0.0
-37.5°	37.2	35.4	30.1	28.7	24.7	15.2	0.0
-40°	36.3	34.1	29.2	28.7	24.2	14.6	0.0
-42.5°	35.3	32.9	28.7	28.7	23.6	14.1	0.0
-45°	34.0	31.7	28.7	28.7	23.1	13.5	0.0
-47.5°	32.5	30.7	28.7	28.7	22.5	12.9	0.0
-50°	31.4	29.7	28.7	28.0	21.8	12.3	0.0
-52.5°	30.5	28.8	28.7	27.0	21.2	11.6	0.0
-55°	29.7	28.7	28.7	26.0	20.5	11.0	0.0
-57.5°	29.1	28.7	28.7	24.9	19.8	10.3	0.0
-60°	28.7	28.7	28.6	23.9	19.1	9.5	0.0
-62.5°	28.7	28.7	27.2	22.8	17.6	8.8	0.0
-65°	28.7	28.7	25.7	21.6	16.1	8.1	0.0
-67.5°	28.7	27.7	24.1	20.5	14.6	7.3	0.0
-70°	28.7	25.8	22.6	19.3	13.1	6.5	0.0
-72.5°	26.6	23.8	21.0	17.2	11.5	5.7	0.0
-75°	24.2	21.8	19.4	14.8	9.9	4.9	0.0
-77.5°	21.8	19.8	16.5	12.4	8.3	4.1	0.0
-80°	19.4	16.5	13.2	9.9	6.6	3.3	0.0
-82.5°	14.8	12.4	9.9	7.5	5.0	2.5	0.0
-85°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
-87.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)