

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: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-57-80-5L-A**

Issue Date: 2/3/2026

Test Information

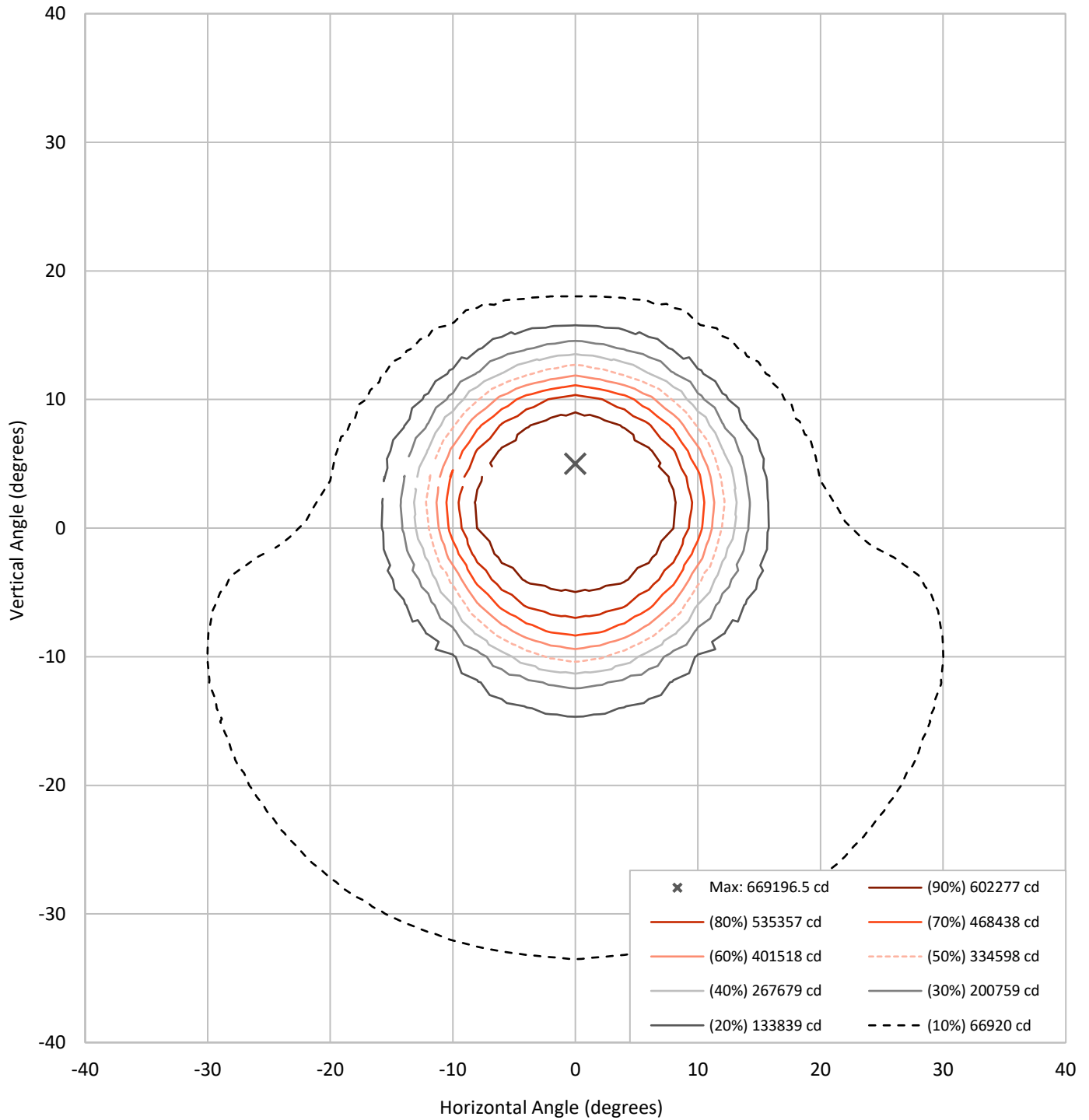
Test Method: LM-79-08
Report Number: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-53)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200L-57-80-5L-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 5L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	158176.4 lumens	Max Intensity:	669196.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	122.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	23.3°H x 23°V	Field Angle (10%):	39.5°H x 51.6°V
Beam Lumens:	70197.5 lumens	Field Lumens:	128801.8 lumens
Beam Efficiency:	44.4%	Field Efficiency:	81.4%
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





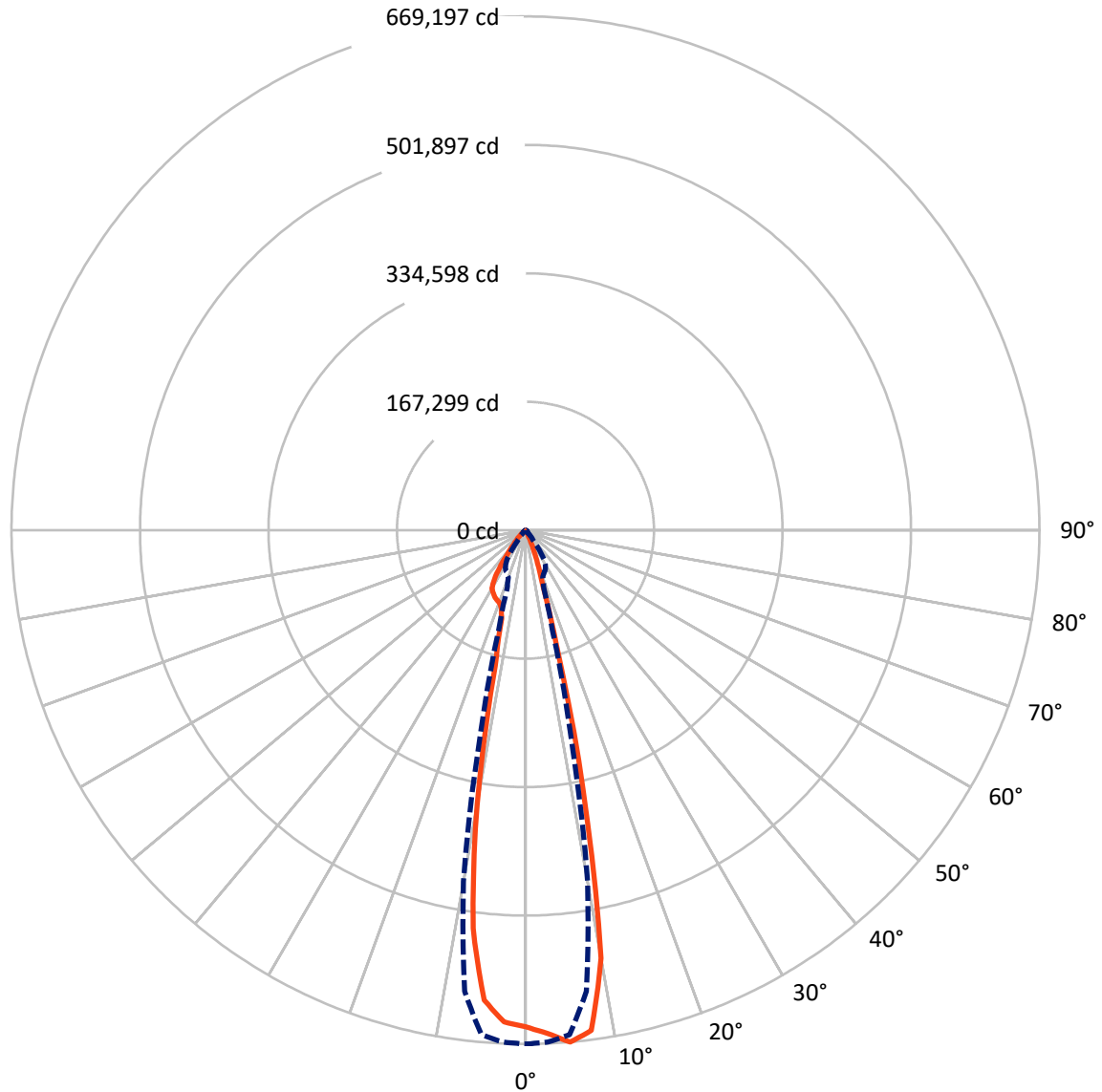
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Lumen Table

90	0.2	1.1		2.1		3.1		3.6		3.1		2.1		1.1		0.2			
80	0.2	1.1		2.1		3.1		3.6		3.1		2.1		1.1		0.2			
70	0.5	0.4	0.8	1.3	2.0	2.6	3.3	3.7	3.7	3.3	2.6	2.0	1.3	0.8	0.4	0.5			
60		0.6	1.3	2.4	3.9	6.1	10.5	19.5	19.5	10.5	6.1	3.9	2.4	1.3	0.6				
50	0.7	0.9	2.0	4.3	8.9	16.5	27.0	41.7	41.7	27.0	16.5	8.9	4.3	2.0	0.9	0.7			
40		1.2	3.1	8.6	19.1	34.7	67.4	89.0	89.0	67.4	34.7	19.1	8.6	3.1	1.2				
30	0.9	1.5	5.0	20.1	63.2	270.2	399.8	489.4	489.4	399.8	270.2	63.2	20.1	5.0	1.5	0.9			
20		1.8	8.4	50.7	347.4	1024.7	1767.3	5140.9	5140.9	1767.3	1024.7	347.4	50.7	8.4	1.8				
10	1.1	2.0	13.2	107.7	763.8	1615.6	5107.8	17909.3	17909.3	5107.8	1615.6	763.8	107.7	13.2	2.0	1.1			
0		2.2	16.2	140.9	957.5	1939.8	4289.7	15071.1	15071.1	4289.7	1939.8	957.5	140.9	16.2	2.2				
-10	1.0	2.1	13.1	113.0	762.0	2115.4	2666.5	4076.7	4076.7	2666.5	2115.4	762.0	113.0	13.1	2.1	1.0			
-20		1.8	8.1	59.4	362.5	1462.6	2491.0	2814.9	2814.9	2491.0	1462.6	362.5	59.4	8.1	1.8				
-30	0.7	1.4	4.3	19.5	132.9	478.3	1098.1	1591.8	1591.8	1098.1	478.3	132.9	19.5	4.3	1.4	0.7			
-40		1.0	2.6	6.1	27.3	112.9	252.8	364.2	364.2	252.8	112.9	27.3	6.1	2.6	1.0				
-50	0.5	0.7	1.7	3.1	5.5	12.4	28.9	42.5	42.5	28.9	12.4	5.5	3.1	1.7	0.7	0.5			
-60		0.4	0.9	1.6	2.5	3.4	4.5	5.3	5.3	4.5	3.4	2.5	1.6	0.9	0.4				
-70	0.2	1.0		2.3		3.5		4.0		3.5		2.3		1.0		0.2			
-80		1.0		2.3		3.5		4.0		3.5		2.3		1.0					
-90	0.2	1.0		2.3		3.5		4.0		3.5		2.3		1.0		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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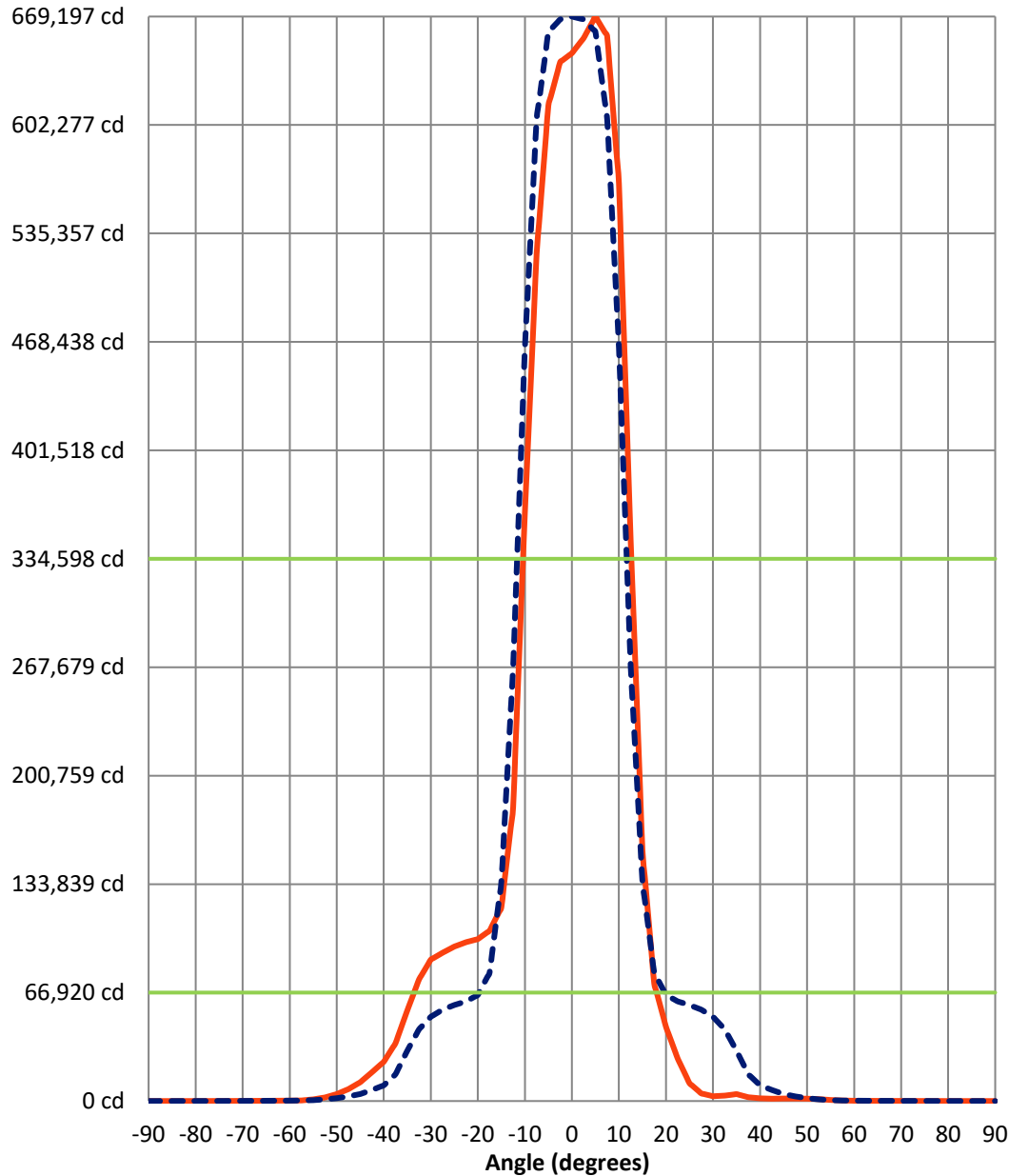
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 23.3°
 V Angle: 23°
 Lumens: 70197.5
 Efficiency: 44.4%

Field:
 H Angle: 39.5°
 V Angle: 51.6°
 Lumens: 128801.8
 Efficiency: 81.4%

Spill:
 Lumens: 29374.6
 Efficiency: 18.6%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 5-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	0.7	1.4	2.1	2.8	3.5	4.2	4.8	5.4	6.0	6.5
85°	0.0	1.4	2.8	4.2	5.7	7.0	8.4	9.7	10.8	12.0	13.0
82.5°	0.0	2.1	4.2	6.4	8.5	10.6	12.6	14.5	15.9	16.2	16.4
80°	0.0	2.8	5.7	8.5	11.3	14.0	16.4	16.8	17.2	17.6	17.9
77.5°	0.0	3.5	7.0	10.6	14.0	16.6	17.4	17.9	18.4	18.9	19.5
75°	0.0	4.2	8.4	12.6	16.4	17.4	18.3	19.0	19.7	20.6	21.4
72.5°	0.0	4.9	9.8	14.7	17.0	18.1	19.2	20.2	21.2	22.3	23.3
70°	0.0	5.6	11.1	16.4	17.6	18.9	20.1	21.5	22.7	24.0	25.5
67.5°	0.0	6.2	12.5	16.8	18.2	19.6	21.2	22.8	24.2	26.0	27.7
65°	0.0	6.9	13.8	17.3	18.8	20.4	22.3	24.1	26.0	27.9	30.0
62.5°	0.0	7.5	15.0	17.7	19.4	21.3	23.4	25.5	27.7	29.9	32.8
60°	0.0	8.1	16.3	18.1	20.0	22.2	24.4	27.0	29.3	32.3	35.5
57.5°	0.0	8.8	16.6	18.6	20.6	23.0	25.6	28.4	31.3	34.6	39.1
55°	0.0	9.3	16.8	19.0	21.3	23.8	26.8	29.8	33.2	37.1	43.2
52.5°	0.0	9.9	17.1	19.3	21.9	24.7	28.0	31.4	35.0	40.8	47.2
50°	0.0	10.5	17.4	19.7	22.5	25.7	29.2	33.0	37.2	44.3	53.6
47.5°	0.0	11.0	17.6	20.1	23.1	26.6	30.4	34.6	40.4	47.8	60.1
45°	0.0	11.5	17.8	20.5	23.7	27.6	31.8	36.1	43.5	53.3	66.2
42.5°	0.0	12.0	18.1	20.9	24.2	28.5	33.1	38.4	46.6	58.6	72.6
40°	0.0	12.5	18.3	21.3	24.9	29.4	34.3	41.0	50.2	63.7	78.9
37.5°	0.0	12.9	18.5	21.7	25.5	30.3	35.5	43.6	54.7	69.0	85.1
35°	0.0	13.4	18.7	22.0	26.2	31.2	36.7	46.1	59.1	74.5	90.5
32.5°	0.0	13.7	18.8	22.4	26.8	32.1	38.1	48.5	63.2	79.8	94.8
30°	0.0	14.1	19.0	22.7	27.4	33.0	40.0	51.0	67.1	84.8	99.1
27.5°	0.0	14.5	19.2	23.0	27.9	33.8	41.8	54.2	71.0	89.4	103.2
25°	0.0	14.8	19.3	23.2	28.4	34.6	43.5	57.2	74.8	93.2	107.3
22.5°	0.0	15.1	19.4	23.5	28.9	35.3	45.1	59.9	78.3	96.4	112.6
20°	0.0	15.3	19.6	23.7	29.3	35.9	46.6	62.5	81.5	99.5	117.5
17.5°	0.0	15.5	19.7	23.9	29.6	36.5	47.9	64.8	84.4	102.4	122.0
15°	0.0	15.7	19.7	24.0	29.9	37.1	49.0	66.8	87.0	105.0	126.1
12.5°	0.0	15.9	19.8	24.2	30.2	37.6	50.0	68.6	89.6	107.4	129.9
10°	0.0	16.1	19.9	24.3	30.4	38.0	50.9	70.1	92.0	110.3	133.9
7.5°	0.0	16.2	19.9	24.4	30.6	38.4	51.5	71.3	94.2	113.1	139.3
5°	0.0	16.2	19.9	24.4	30.6	38.4	51.5	71.3	94.2	113.1	139.3
2.5°	0.0	16.3	20.0	24.5	30.8	38.9	52.4	73.1	97.7	117.8	149.2
0°	0.0	16.3	20.0	24.5	30.8	39.0	52.6	73.5	98.9	119.7	153.3
-2.5°	0.0	16.3	20.0	24.5	30.8	39.1	52.6	73.6	99.2	120.8	156.5
-5°	0.0	16.2	20.0	24.4	30.7	39.0	52.5	73.5	99.1	121.5	158.9
-7.5°	0.0	16.2	19.9	24.4	30.6	38.9	52.2	73.0	98.5	121.8	160.4
-10°	0.0	16.1	19.9	24.3	30.4	38.7	51.8	72.3	97.6	121.5	160.8
-12.5°	0.0	15.9	19.8	24.2	30.2	38.4	51.2	71.2	96.2	120.6	157.7
-15°	0.0	15.7	19.7	24.0	29.9	38.1	50.5	69.8	94.3	118.5	152.7
-17.5°	0.0	15.5	19.7	23.9	29.6	37.6	49.6	68.1	92.0	116.0	147.2
-20°	0.0	15.3	19.6	23.7	29.3	37.0	48.5	66.1	89.3	113.2	141.1



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 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.1	19.4	23.5	28.9	36.4	47.2	63.8	86.1	110.0	134.5
-25°	0.0	14.8	19.3	23.2	28.4	35.6	45.8	61.1	82.6	106.5	127.5
-27.5°	0.0	14.5	19.2	23.0	27.9	34.7	44.3	58.1	78.6	102.5	123.0
-30°	0.0	14.1	19.0	22.7	27.4	33.7	42.6	54.7	74.7	97.7	118.4
-32.5°	0.0	13.7	18.8	22.4	26.8	32.6	40.8	52.2	70.6	92.4	113.5
-35°	0.0	13.4	18.7	22.0	26.2	31.4	39.2	49.9	66.1	86.6	108.3
-37.5°	0.0	12.9	18.5	21.7	25.5	30.3	37.7	47.5	61.3	80.5	101.8
-40°	0.0	12.5	18.3	21.3	24.9	29.4	36.1	44.9	56.0	74.4	94.3
-42.5°	0.0	12.0	18.1	20.9	24.2	28.5	34.3	42.2	52.1	68.0	86.3
-45°	0.0	11.5	17.8	20.5	23.7	27.6	32.5	39.6	48.9	61.3	78.1
-47.5°	0.0	11.0	17.6	20.1	23.1	26.6	30.5	37.3	45.5	54.3	70.2
-50°	0.0	10.5	17.4	19.6	22.4	25.7	29.2	34.9	41.9	50.3	62.0
-52.5°	0.0	9.9	17.1	19.3	21.8	24.7	28.0	32.3	38.7	46.1	53.9
-55°	0.0	9.3	16.8	18.8	21.1	23.8	26.8	29.8	35.5	41.8	49.1
-57.5°	0.0	8.8	16.6	18.4	20.3	22.8	25.6	28.4	32.2	37.8	44.2
-60°	0.0	8.1	16.3	18.0	19.6	21.9	24.4	26.9	29.1	33.9	39.3
-62.5°	0.0	7.5	15.0	17.6	19.0	20.9	23.1	25.4	27.4	29.8	34.7
-65°	0.0	6.9	13.8	17.1	18.4	19.9	21.9	23.9	25.7	27.4	29.9
-67.5°	0.0	6.2	12.5	16.7	17.8	19.0	20.6	22.4	23.9	25.4	26.9
-70°	0.0	5.6	11.1	16.2	17.2	18.2	19.3	20.8	22.2	23.4	24.7
-72.5°	0.0	4.9	9.8	14.5	16.6	17.5	18.3	19.2	20.5	21.6	22.5
-75°	0.0	4.2	8.4	12.5	16.0	16.7	17.4	18.1	18.8	19.7	20.6
-77.5°	0.0	3.5	7.0	10.4	13.7	15.9	16.5	17.0	17.5	18.0	18.6
-80°	0.0	2.8	5.7	8.4	11.0	13.5	15.5	15.9	16.3	16.6	17.0
-82.5°	0.0	2.1	4.2	6.3	8.2	10.1	11.9	13.7	15.0	15.3	15.5
-85°	0.0	1.4	2.8	4.2	5.5	6.8	8.0	9.1	10.2	11.3	12.2
-87.5°	0.0	0.7	1.4	2.1	2.8	3.4	4.0	4.6	5.1	5.6	6.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-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°	7.0	7.5	7.9	8.3	8.7	9.0	9.3	9.6	9.7	9.7	9.7
85°	14.0	14.9	15.0	15.0	15.0	15.0	14.9	14.7	14.4	14.2	13.9
82.5°	16.6	16.8	16.9	17.1	17.1	17.0	16.9	16.8	16.7	16.5	16.4
80°	18.2	18.6	19.0	19.5	19.6	19.6	19.6	19.4	19.4	19.5	19.7
77.5°	20.2	20.8	21.5	22.1	22.4	22.7	23.0	23.4	23.9	24.4	24.8
75°	22.3	23.1	24.1	25.0	25.8	26.4	27.2	28.4	29.8	31.2	32.7
72.5°	24.5	25.7	26.9	28.1	29.7	31.3	33.0	34.7	36.7	38.8	40.8
70°	26.9	28.4	30.3	32.5	34.6	36.9	39.5	42.1	44.5	47.2	50.3
67.5°	29.5	31.8	34.3	37.1	40.5	43.6	46.7	51.1	55.3	59.0	62.3
65°	32.6	35.4	39.0	43.0	46.8	52.2	57.4	62.4	67.2	71.5	75.3
62.5°	35.7	40.0	44.4	49.8	56.4	62.5	68.3	73.9	79.3	83.2	86.6
60°	40.0	44.9	51.6	59.3	66.3	72.8	79.2	84.4	89.0	93.3	99.9
57.5°	44.5	51.8	60.7	68.8	76.1	82.7	88.1	93.3	100.9	108.5	116.3
55°	50.2	60.4	69.6	77.9	85.0	90.6	97.4	106.6	115.4	126.2	136.6
52.5°	57.9	68.7	78.1	86.1	92.3	100.3	110.5	122.1	134.8	147.8	165.1
50°	65.3	76.4	86.0	92.6	101.2	112.6	126.3	141.2	158.3	177.4	198.0
47.5°	72.4	84.1	91.8	100.0	112.6	127.7	144.8	164.4	185.1	210.5	233.5
45°	79.5	90.1	97.6	110.5	125.9	145.0	167.5	188.5	218.6	248.1	284.3
42.5°	86.5	95.6	106.7	120.7	141.9	166.5	192.3	222.9	255.9	296.2	354.4
40°	91.8	101.1	116.2	135.7	159.6	191.0	225.2	260.4	300.3	365.8	443.7
37.5°	96.7	109.6	126.8	151.1	183.2	220.0	259.1	305.9	369.0	447.7	552.8
35°	101.6	117.8	140.9	170.3	207.4	252.0	301.8	364.6	458.3	557.3	661.8
32.5°	107.9	125.7	155.1	192.2	236.2	286.5	345.3	453.3	578.6	695.0	774.6
30°	114.7	137.9	170.6	213.4	264.7	327.6	421.8	555.3	721.2	864.4	961.1
27.5°	121.4	150.1	189.2	237.4	294.7	369.8	522.5	699.4	893.1	1064.9	1194.1
25°	127.7	161.4	207.0	261.6	332.5	452.0	649.0	883.6	1096.2	1314.1	1507.9
22.5°	135.4	172.0	222.6	284.8	370.2	556.1	821.9	1119.9	1402.0	1626.8	1885.4
20°	144.1	184.9	239.4	308.0	409.2	667.2	1008.6	1392.2	1783.6	2198.4	2692.1
17.5°	152.0	196.8	256.3	342.5	503.0	813.7	1213.0	1691.7	2217.7	2930.5	4009.9
15°	159.0	207.4	271.9	379.5	610.4	1001.8	1504.0	2081.2	2796.4	3897.6	5574.9
12.5°	165.1	216.8	285.9	417.9	719.7	1195.9	1830.9	2605.2	3666.1	5238.2	8680.4
10°	170.3	224.9	298.2	456.2	827.7	1390.6	2174.1	3170.7	4691.3	6778.3	11645.1
7.5°	178.5	233.2	309.7	493.0	930.9	1579.8	2520.9	3755.9	5767.6	8274.8	14283.6
5°	186.7	241.6	325.4	544.5	1040.5	1774.5	2863.4	4336.4	6846.0	9696.3	16568.8
2.5°	194.0	248.5	339.3	595.4	1147.3	1978.8	3205.2	4870.4	7750.3	11000.9	18632.1
0°	200.4	253.9	351.0	640.3	1238.0	2158.5	3506.3	5344.7	8518.1	12165.9	20435.5
-2.5°	206.2	261.1	366.3	672.1	1278.9	2253.9	3671.0	5650.9	8881.2	12766.0	21524.0
-5°	210.8	266.9	378.1	693.3	1298.6	2309.0	3772.8	5857.2	9042.7	13079.5	21933.2
-7.5°	213.9	271.1	385.9	698.7	1271.8	2240.0	3669.5	5721.5	8825.5	12989.1	21560.7
-10°	214.7	271.4	390.0	670.9	1188.4	2082.5	3462.2	5468.1	8432.3	12575.9	20457.7
-12.5°	208.6	267.3	387.2	637.7	1091.8	1891.0	3179.2	5091.1	7858.5	11804.8	18506.3
-15°	201.1	260.6	376.2	600.6	984.1	1667.1	2817.3	4584.4	7111.2	10672.8	15624.2
-17.5°	192.4	251.2	355.9	561.1	867.8	1412.6	2376.4	3976.0	6326.8	9601.5	14084.8
-20°	182.4	238.8	325.5	520.5	756.3	1193.8	2036.2	3449.4	5547.0	8451.7	12308.1



REPORT NUMBER: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	171.2	223.3	296.3	483.7	675.4	1020.0	1687.4	2834.2	4595.1	7088.4	10505.0
-25°	160.8	209.6	278.0	413.9	587.5	832.7	1298.7	2177.7	3696.8	5947.7	8902.4
-27.5°	152.1	194.6	251.5	345.5	497.8	660.3	1025.9	1723.2	2903.8	4652.0	7165.0
-30°	143.1	177.6	223.7	288.2	418.4	560.0	797.3	1250.3	2122.4	3580.7	5602.3
-32.5°	133.7	161.1	201.4	256.3	345.6	459.8	594.5	942.2	1571.0	2523.8	4079.2
-35°	125.3	150.0	182.4	223.2	279.9	377.8	489.1	668.1	1051.6	1789.4	2941.4
-37.5°	119.0	138.7	163.8	195.3	243.0	308.8	383.8	496.9	731.1	1143.7	2048.2
-40°	112.6	127.2	149.7	175.7	207.0	255.1	316.2	379.4	483.3	804.5	1277.0
-42.5°	105.8	120.0	137.0	156.9	182.9	217.8	257.0	305.2	372.5	520.3	845.9
-45°	96.6	112.8	125.0	142.7	162.4	186.6	219.5	251.3	300.2	368.6	527.1
-47.5°	87.0	104.7	117.2	128.4	144.7	163.9	186.2	216.6	249.2	292.8	336.5
-50°	77.2	93.7	108.9	118.1	129.4	143.7	161.3	184.1	211.6	241.2	276.7
-52.5°	67.7	82.2	97.1	109.2	117.4	127.4	140.8	157.9	178.6	200.8	227.3
-55°	58.0	71.3	84.5	97.4	107.7	114.9	123.9	136.9	150.3	169.0	187.0
-57.5°	50.9	60.3	72.3	84.0	95.2	104.7	111.5	118.8	130.0	142.0	154.4
-60°	45.4	51.6	60.3	71.0	81.2	90.8	99.4	106.2	112.8	119.7	129.7
-62.5°	39.8	45.4	50.9	57.9	67.4	76.2	84.2	91.6	98.4	104.3	110.0
-65°	34.5	39.2	44.2	49.1	53.9	61.7	69.2	75.9	82.2	88.1	93.5
-67.5°	28.9	33.2	37.5	41.8	46.1	50.2	54.3	60.7	66.5	71.6	76.3
-70°	26.0	27.5	30.7	34.4	38.1	41.6	45.1	48.6	52.1	55.7	60.1
-72.5°	23.6	24.8	26.0	27.2	30.2	33.5	36.4	38.9	41.7	44.5	47.2
-75°	21.4	22.2	23.2	24.1	25.2	26.5	28.1	30.6	32.8	34.9	36.8
-77.5°	19.3	19.9	20.6	21.2	21.6	22.3	23.2	24.3	25.3	26.5	27.7
-80°	17.3	17.7	18.1	18.6	18.8	19.0	19.1	19.3	19.4	19.6	20.2
-82.5°	15.7	15.9	16.0	16.2	16.2	16.1	16.0	16.0	16.1	16.2	16.2
-85°	13.2	14.0	14.1	14.1	14.1	14.1	14.0	13.8	13.7	13.5	13.3
-87.5°	6.6	7.0	7.4	7.8	8.1	8.5	8.7	9.0	9.0	9.0	9.0
-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: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-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°	9.7	9.4	9.1	8.7	8.3	7.8	7.2	6.7	6.1	5.3	4.4
85°	13.5	13.0	12.5	11.9	11.3	10.7	10.1	9.5	8.9	8.7	8.5
82.5°	16.2	15.8	15.4	14.9	14.4	14.6	14.9	15.2	15.6	15.8	15.9
80°	19.9	20.1	20.4	20.7	21.1	22.0	23.0	24.0	24.9	25.3	25.7
77.5°	25.5	26.8	28.0	29.2	30.2	31.4	32.6	33.6	34.5	35.1	35.5
75°	34.3	35.8	37.3	38.7	40.0	41.4	42.7	43.8	44.9	45.6	46.2
72.5°	42.5	44.2	46.2	48.7	50.9	53.1	55.1	57.0	58.7	60.0	60.9
70°	53.0	55.7	58.6	61.4	64.0	66.4	68.9	71.2	73.4	75.0	76.1
67.5°	65.6	68.6	71.9	74.7	77.3	80.1	83.4	86.4	89.3	91.2	92.4
65°	78.6	81.3	84.8	88.2	91.6	96.3	101.2	105.7	109.7	112.7	114.6
62.5°	90.0	94.5	100.4	106.3	112.1	117.9	124.0	129.6	134.8	138.9	141.5
60°	106.2	112.2	120.2	128.3	135.7	142.5	151.5	159.8	167.0	173.2	178.1
57.5°	125.7	134.6	144.2	156.0	167.1	177.4	189.7	205.7	223.4	242.8	270.6
55°	149.7	163.5	175.5	190.5	206.7	223.1	243.7	278.7	318.1	360.4	431.4
52.5°	181.3	197.7	212.6	231.8	261.4	290.3	320.8	385.1	457.3	532.7	667.0
50°	217.4	238.7	266.9	296.0	342.9	393.1	441.3	529.7	632.0	735.5	898.3
47.5°	265.2	297.2	346.4	397.1	457.1	525.3	592.9	690.1	800.0	900.7	1038.3
45°	328.7	392.0	453.8	519.6	589.2	670.9	746.2	828.3	928.4	1011.7	1108.3
42.5°	424.9	504.0	580.5	654.7	734.8	814.2	886.1	961.7	1042.6	1118.5	1199.1
40°	537.6	624.6	704.1	784.5	849.1	922.9	991.7	1062.3	1152.9	1261.0	1357.9
37.5°	651.7	735.2	808.1	881.1	941.4	992.9	1108.6	1226.9	1339.1	1603.4	1839.8
35°	764.9	845.8	901.5	974.6	1061.9	1180.5	1369.0	1688.0	1972.9	2512.3	3050.6
32.5°	882.6	969.9	1035.9	1146.0	1300.8	1687.0	1961.2	2767.4	3460.5	3727.9	3618.8
30°	1014.0	1129.1	1310.4	1523.3	2094.6	3007.9	3733.6	4064.0	3895.3	3459.1	3483.2
27.5°	1276.1	1438.6	1849.4	2913.1	4354.7	5911.1	6229.0	5388.7	5716.3	4700.6	5405.7
25°	1725.8	2031.2	3728.8	6606.2	9077.6	10082.1	10843.4	10281.6	11009.1	11039.5	11670.3
22.5°	2497.1	4426.8	7757.9	12428.1	15344.5	16904.5	17862.0	18915.6	20063.0	21771.2	22853.8
20°	3977.5	7587.7	14364.1	19333.6	22724.7	24900.2	26653.9	28970.9	31601.2	34813.2	37392.0
17.5°	7283.1	13780.1	21318.4	26684.4	30381.6	33525.7	36287.2	39481.1	43516.6	48577.2	53575.9
15°	10943.6	20537.0	28319.2	33793.3	38003.2	41682.1	45374.1	49229.7	54668.7	62720.3	74470.2
12.5°	16225.0	27029.0	35334.9	40678.5	45270.0	48860.9	52503.5	57533.1	65637.0	77835.3	124677.8
10°	21674.6	33213.0	41365.6	46652.8	50948.9	54465.3	57967.2	63204.3	78351.0	126253.2	219348.0
7.5°	26611.1	38953.8	46875.3	51973.3	55648.1	58392.0	62153.1	72054.5	105896.3	187416.3	351610.7
5°	31066.0	44259.2	51970.8	56398.3	59247.0	61488.4	65467.5	79234.1	135283.0	267958.2	464544.6
2.5°	34493.1	48638.8	56541.9	60165.6	62231.8	64138.5	68236.6	83381.7	148664.7	309177.0	515649.7
0°	36462.2	51379.8	60073.0	63219.2	64912.5	66577.6	70905.6	86665.7	150166.1	289323.2	497015.9
-2.5°	38122.2	53898.8	63188.7	66315.9	67778.0	69082.3	73097.1	87781.3	134706.3	234442.1	425021.0
-5°	38436.6	55045.3	65300.9	69133.3	70565.8	71628.4	74566.6	86313.8	117482.7	172771.0	306007.2
-7.5°	37374.8	54771.5	66641.2	71766.1	73456.3	74492.3	76631.5	83656.9	100499.0	129281.0	205185.3
-10°	34999.8	52990.1	67047.9	74130.6	76592.8	77726.0	78937.5	81679.7	89826.8	106225.5	128556.7
-12.5°	30984.0	49205.5	66287.0	76168.3	79416.5	80879.1	82100.9	84021.1	87299.9	92764.7	106188.0
-15°	26133.2	43773.6	61792.3	74258.8	80716.3	83612.2	85378.3	86285.9	87924.3	91205.9	96399.9
-17.5°	22432.9	36646.4	54421.0	70781.1	80724.4	84915.1	87206.1	89028.0	90196.3	92261.2	94326.9
-20°	18004.9	28265.1	45370.9	62316.0	75663.7	84220.9	87736.8	90010.2	91990.3	93377.4	94941.8



REPORT NUMBER: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15108.0	22961.0	34931.2	51484.9	67055.3	78125.0	86035.9	88984.6	91474.3	92987.6	94373.4
-25°	12632.9	17523.2	26462.5	39453.8	54748.2	68371.8	78311.0	85746.0	88787.1	90907.0	92219.2
-27.5°	10384.7	14518.7	19781.8	28697.0	41090.2	54200.9	65964.1	76265.7	82019.2	87223.5	88586.4
-30°	8215.2	11686.7	15914.8	20831.7	28865.5	38369.6	49693.8	59898.7	68938.4	76043.1	79917.8
-32.5°	6403.3	9165.7	12601.8	16449.3	20264.9	26772.0	32983.0	42349.2	50718.5	58082.8	64301.4
-35°	4636.9	6948.8	9554.0	12657.0	15812.7	19254.8	23253.3	28593.8	33392.0	39504.2	45268.2
-37.5°	3261.5	4926.1	7001.7	9271.7	11926.0	14518.2	17289.1	20098.3	22723.5	26504.5	29718.4
-40°	2190.3	3285.3	4793.2	6460.2	8540.9	10547.3	12747.0	14776.8	16717.1	18739.4	20489.1
-42.5°	1324.8	2108.5	2998.9	4258.4	5649.5	7189.6	8902.8	10509.6	11909.0	13292.8	14554.4
-45°	790.5	1234.5	1770.5	2585.2	3412.8	4577.5	5736.2	6793.5	7956.1	8967.2	9807.1
-47.5°	488.6	665.7	1020.8	1433.1	1956.4	2695.3	3416.4	4106.8	4922.8	5650.9	6253.4
-50°	317.9	396.4	560.5	739.2	1072.9	1457.9	1840.9	2285.6	2788.4	3233.0	3588.3
-52.5°	252.2	288.5	326.8	390.6	552.0	726.8	908.8	1173.8	1441.1	1685.5	1874.1
-55°	207.7	229.6	249.9	281.4	316.0	349.5	404.0	541.1	668.4	784.4	873.6
-57.5°	170.3	186.0	202.4	221.0	239.4	257.5	282.7	312.5	341.1	366.8	374.3
-60°	139.5	149.0	162.5	175.9	188.3	199.7	217.4	234.8	250.8	264.3	271.8
-62.5°	115.5	122.6	131.4	140.2	148.7	157.9	169.5	181.2	192.8	203.5	212.4
-65°	98.4	102.9	107.9	112.9	118.0	125.0	132.4	139.6	146.3	152.4	158.0
-67.5°	80.8	84.9	88.7	92.3	95.9	99.8	104.1	108.3	112.4	116.0	119.0
-70°	64.0	67.4	70.2	72.7	75.3	78.2	81.1	83.8	86.1	87.9	89.2
-72.5°	49.6	51.8	54.2	56.8	58.9	60.9	62.9	64.6	66.0	67.0	67.7
-75°	38.7	40.6	42.7	44.5	46.2	47.7	49.1	50.3	51.5	52.2	52.7
-77.5°	29.1	30.6	32.0	33.4	34.7	36.0	37.0	38.0	38.8	39.2	39.5
-80°	20.9	21.8	22.7	23.5	24.3	25.2	26.0	26.8	27.5	27.8	27.9
-82.5°	16.2	16.2	16.3	16.4	16.6	16.7	16.9	17.1	17.3	17.5	17.7
-85°	13.2	12.9	12.7	12.4	12.0	11.5	10.9	10.4	9.8	9.8	9.8
-87.5°	8.9	8.8	8.7	8.5	8.3	7.8	7.2	6.7	6.1	5.5	4.9
-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: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-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°	3.6	2.7	2.7	2.7	2.7	2.7	3.6	4.4	5.3	6.1	6.7
85°	8.3	8.2	8.2	8.2	8.2	8.2	8.3	8.5	8.7	8.9	9.5
82.5°	16.1	16.2	16.3	16.3	16.3	16.2	16.1	15.9	15.8	15.6	15.2
80°	26.0	26.1	26.3	26.3	26.3	26.1	26.0	25.7	25.3	24.9	24.0
77.5°	35.9	36.1	35.8	35.4	35.8	36.1	35.9	35.5	35.1	34.5	33.6
75°	46.6	46.9	47.6	48.1	47.6	46.9	46.6	46.2	45.6	44.9	43.8
72.5°	61.6	62.2	62.9	63.5	62.9	62.2	61.6	60.9	60.0	58.7	57.0
70°	76.9	77.5	77.9	78.0	77.9	77.5	76.9	76.1	75.0	73.4	71.2
67.5°	93.2	93.7	94.2	94.3	94.2	93.7	93.2	92.4	91.2	89.3	86.4
65°	116.0	117.0	117.7	117.9	117.7	117.0	116.0	114.6	112.7	109.7	105.7
62.5°	143.4	144.8	144.1	142.4	144.1	144.8	143.4	141.5	138.9	134.8	129.6
60°	182.2	185.4	186.4	185.9	186.4	185.4	182.2	178.1	173.2	167.0	159.8
57.5°	300.0	329.5	344.3	349.2	344.3	329.5	300.0	270.6	242.8	223.4	205.7
55°	508.4	586.6	636.5	664.8	636.5	586.6	508.4	431.4	360.4	318.1	278.7
52.5°	825.6	988.4	1106.5	1183.6	1106.5	988.4	825.6	667.0	532.7	457.3	385.1
50°	1094.5	1287.7	1414.7	1478.3	1414.7	1287.7	1094.5	898.3	735.5	632.0	529.7
47.5°	1219.8	1394.7	1514.4	1575.4	1514.4	1394.7	1219.8	1038.3	900.7	800.0	690.1
45°	1259.8	1402.0	1502.5	1550.9	1502.5	1402.0	1259.8	1108.3	1011.7	928.4	828.3
42.5°	1305.0	1389.0	1438.7	1446.6	1438.7	1389.0	1305.0	1199.1	1118.5	1042.6	961.7
40°	1467.7	1572.6	1654.1	1688.7	1654.1	1572.6	1467.7	1357.9	1261.0	1152.9	1062.3
37.5°	2053.0	2228.5	2346.2	2367.1	2346.2	2228.5	2053.0	1839.8	1603.4	1339.1	1226.9
35°	3503.6	3865.2	4123.6	4270.8	4123.6	3865.2	3503.6	3050.6	2512.3	1972.9	1688.0
32.5°	3490.6	3413.4	3368.2	3354.8	3368.2	3413.4	3490.6	3618.8	3727.9	3460.5	2767.4
30°	3195.2	3098.6	2979.8	2975.7	2979.8	3098.6	3195.2	3483.2	3459.1	3895.3	4064.0
27.5°	5240.0	5085.3	4690.1	4720.7	4690.1	5085.3	5240.0	5405.7	4700.6	5716.3	5388.7
25°	12210.5	12265.5	11946.8	10988.6	11946.8	12265.5	12210.5	11670.3	11039.5	11009.1	10281.6
22.5°	24246.2	24933.8	25955.3	26170.1	25955.3	24933.8	24246.2	22853.8	21771.2	20063.0	18915.6
20°	40381.1	42296.5	44919.0	45784.8	44919.0	42296.5	40381.1	37392.0	34813.2	31601.2	28970.9
17.5°	61324.6	67484.8	72677.6	72598.9	72677.6	67484.8	61324.6	53575.9	48577.2	43516.6	39481.1
15°	101151.9	127246.7	147095.8	154817.9	147095.8	127246.7	101151.9	74470.2	62720.3	54668.7	49229.7
12.5°	185938.9	261918.7	312444.6	345537.9	312444.6	261918.7	185938.9	124677.8	77835.3	65637.0	57533.1
10°	354950.6	472001.8	533788.0	566191.1	533788.0	472001.8	354950.6	219348.0	126253.2	78351.0	63204.3
7.5°	518717.6	605584.6	647018.1	657077.8	647018.1	605584.6	518717.6	351610.7	187416.3	105896.3	72054.5
5°	605849.0	659726.2	667391.9	669196.5	667391.9	659726.2	605849.0	464544.6	267958.2	135283.0	79234.1
2.5°	638814.3	661829.3	657949.0	655899.7	657949.0	661829.3	638814.3	515649.7	309177.0	148664.7	83381.7
0°	629223.0	657919.4	649167.4	646567.1	649167.4	657919.4	629223.0	497015.9	289323.2	150166.1	86665.7
-2.5°	579158.7	637743.5	641533.5	641088.6	641533.5	637743.5	579158.7	425021.0	234442.1	134706.3	87781.3
-5°	482404.9	575391.8	606418.9	614327.6	606418.9	575391.8	482404.9	306007.2	172771.0	117482.7	86313.8
-7.5°	337499.3	449793.6	505490.8	522767.5	505490.8	449793.6	337499.3	205185.3	129281.0	100499.0	83656.9
-10°	187435.4	277293.7	339005.6	362873.9	339005.6	277293.7	187435.4	128556.7	106225.5	89826.8	81679.7
-12.5°	121465.6	147535.1	172115.6	181157.2	172115.6	147535.1	121465.6	106188.0	92764.7	87299.9	84021.1
-15°	104861.4	112856.6	117798.6	119417.7	117798.6	112856.6	104861.4	96399.9	91205.9	87924.3	86285.9
-17.5°	98207.7	101134.9	103233.7	105122.3	103233.7	101134.9	98207.7	94326.9	92261.2	90196.3	89028.0
-20°	96542.3	98310.1	99149.5	99940.8	99149.5	98310.1	96542.3	94941.8	93377.4	91990.3	90010.2



REPORT NUMBER: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	95358.3	96408.7	97172.8	98017.2	97172.8	96408.7	95358.3	94373.4	92987.6	91474.3	88984.6
-25°	93130.0	93952.6	94576.2	95311.7	94576.2	93952.6	93130.0	92219.2	90907.0	88787.1	85746.0
-27.5°	89639.8	90437.5	90894.0	91498.9	90894.0	90437.5	89639.8	88586.4	87223.5	82019.2	76265.7
-30°	82839.7	84861.6	86037.7	87269.8	86037.7	84861.6	82839.7	79917.8	76043.1	68938.4	59898.7
-32.5°	69011.2	72148.8	74044.3	75073.1	74044.3	72148.8	69011.2	64301.4	58082.8	50718.5	42349.2
-35°	49663.1	52512.8	54277.8	55930.9	54277.8	52512.8	49663.1	45268.2	39504.2	33392.0	28593.8
-37.5°	32191.1	33880.4	34949.4	35698.6	34949.4	33880.4	32191.1	29718.4	26504.5	22723.5	20098.3
-40°	22045.1	23268.7	24046.2	24230.2	24046.2	23268.7	22045.1	20489.1	18739.4	16717.1	14776.8
-42.5°	15814.7	16880.2	17590.0	17799.9	17590.0	16880.2	15814.7	14554.4	13292.8	11909.0	10509.6
-45°	10559.4	11178.8	11551.0	11609.0	11551.0	11178.8	10559.4	9807.1	8967.2	7956.1	6793.5
-47.5°	6711.8	7053.5	7278.5	7384.4	7278.5	7053.5	6711.8	6253.4	5650.9	4922.8	4106.8
-50°	3863.9	4072.3	4219.1	4300.8	4219.1	4072.3	3863.9	3588.3	3233.0	2788.4	2285.6
-52.5°	2018.3	2124.0	2194.7	2230.2	2194.7	2124.0	2018.3	1874.1	1685.5	1441.1	1173.8
-55°	949.4	1010.1	1040.8	1043.9	1040.8	1010.1	949.4	873.6	784.4	668.4	541.1
-57.5°	376.5	374.2	372.9	370.9	372.9	374.2	376.5	374.3	366.8	341.1	312.5
-60°	277.1	280.4	283.8	286.6	283.8	280.4	277.1	271.8	264.3	250.8	234.8
-62.5°	220.3	226.9	230.1	231.3	230.1	226.9	220.3	212.4	203.5	192.8	181.2
-65°	163.0	167.4	169.1	169.6	169.1	167.4	163.0	158.0	152.4	146.3	139.6
-67.5°	121.7	123.9	124.9	125.2	124.9	123.9	121.7	119.0	116.0	112.4	108.3
-70°	90.2	90.9	91.4	91.6	91.4	90.9	90.2	89.2	87.9	86.1	83.8
-72.5°	68.2	68.5	68.8	68.9	68.8	68.5	68.2	67.7	67.0	66.0	64.6
-75°	53.0	53.2	53.4	53.5	53.4	53.2	53.0	52.7	52.2	51.5	50.3
-77.5°	39.6	39.7	39.8	39.9	39.8	39.7	39.6	39.5	39.2	38.8	38.0
-80°	28.0	28.0	28.1	28.1	28.1	28.0	28.0	27.9	27.8	27.5	26.8
-82.5°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.7	17.5	17.3	17.1
-85°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.8	9.8	10.4
-87.5°	4.2	3.6	3.6	3.6	3.6	3.6	4.2	4.9	5.5	6.1	6.7
-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):

	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°	7.2	7.8	8.3	8.7	9.1	9.4	9.7	9.7	9.7	9.7	9.6
85°	10.1	10.7	11.3	11.9	12.5	13.0	13.5	13.9	14.2	14.4	14.7
82.5°	14.9	14.6	14.4	14.9	15.4	15.8	16.2	16.4	16.5	16.7	16.8
80°	23.0	22.0	21.1	20.7	20.4	20.1	19.9	19.7	19.5	19.4	19.4
77.5°	32.6	31.4	30.2	29.2	28.0	26.8	25.5	24.8	24.4	23.9	23.4
75°	42.7	41.4	40.0	38.7	37.3	35.8	34.3	32.7	31.2	29.8	28.4
72.5°	55.1	53.1	50.9	48.7	46.2	44.2	42.5	40.8	38.8	36.7	34.7
70°	68.9	66.4	64.0	61.4	58.6	55.7	53.0	50.3	47.2	44.5	42.1
67.5°	83.4	80.1	77.3	74.7	71.9	68.6	65.6	62.3	59.0	55.3	51.1
65°	101.2	96.3	91.6	88.2	84.8	81.3	78.6	75.3	71.5	67.2	62.4
62.5°	124.0	117.9	112.1	106.3	100.4	94.5	90.0	86.6	83.2	79.3	73.9
60°	151.5	142.5	135.7	128.3	120.2	112.2	106.2	99.9	93.3	89.0	84.4
57.5°	189.7	177.4	167.1	156.0	144.2	134.6	125.7	116.3	108.5	100.9	93.3
55°	243.7	223.1	206.7	190.5	175.5	163.5	149.7	136.6	126.2	115.4	106.6
52.5°	320.8	290.3	261.4	231.8	212.6	197.7	181.3	165.1	147.8	134.8	122.1
50°	441.3	393.1	342.9	296.0	266.9	238.7	217.4	198.0	177.4	158.3	141.2
47.5°	592.9	525.3	457.1	397.1	346.4	297.2	265.2	233.5	210.5	185.1	164.4
45°	746.2	670.9	589.2	519.6	453.8	392.0	328.7	284.3	248.1	218.6	188.5
42.5°	886.1	814.2	734.8	654.7	580.5	504.0	424.9	354.4	296.2	255.9	222.9
40°	991.7	922.9	849.1	784.5	704.1	624.6	537.6	443.7	365.8	300.3	260.4
37.5°	1108.6	992.9	941.4	881.1	808.1	735.2	651.7	552.8	447.7	369.0	305.9
35°	1369.0	1180.5	1061.9	974.6	901.5	845.8	764.9	661.8	557.3	458.3	364.6
32.5°	1961.2	1687.0	1300.8	1146.0	1035.9	969.9	882.6	774.6	695.0	578.6	453.3
30°	3733.6	3007.9	2094.6	1523.3	1310.4	1129.1	1014.0	961.1	864.4	721.2	555.3
27.5°	6229.0	5911.1	4354.7	2913.1	1849.4	1438.6	1276.1	1194.1	1064.9	893.1	699.4
25°	10843.4	10082.1	9077.6	6606.2	3728.8	2031.2	1725.8	1507.9	1314.1	1096.2	883.6
22.5°	17862.0	16904.5	15344.5	12428.1	7757.9	4426.8	2497.1	1885.4	1626.8	1402.0	1119.9
20°	26653.9	24900.2	22724.7	19333.6	14364.1	7587.7	3977.5	2692.1	2198.4	1783.6	1392.2
17.5°	36287.2	33525.7	30381.6	26684.4	21318.4	13780.1	7283.1	4009.9	2930.5	2217.7	1691.7
15°	45374.1	41682.1	38003.2	33793.3	28319.2	20537.0	10943.6	5574.9	3897.6	2796.4	2081.2
12.5°	52503.5	48860.9	45270.0	40678.5	35334.9	27029.0	16225.0	8680.4	5238.2	3666.1	2605.2
10°	57967.2	54465.3	50948.9	46652.8	41365.6	33213.0	21674.6	11645.1	6778.3	4691.3	3170.7
7.5°	62153.1	58392.0	55648.1	51973.3	46875.3	38953.8	26611.1	14283.6	8274.8	5767.6	3755.9
5°	65467.5	61488.4	59247.0	56398.3	51970.8	44259.2	31066.0	16568.8	9696.3	6846.0	4336.4
2.5°	68236.6	64138.5	62231.8	60165.6	56541.9	48638.8	34493.1	18632.1	11000.9	7750.3	4870.4
0°	70905.6	66577.6	64912.5	63219.2	60073.0	51379.8	36462.2	20435.5	12165.9	8518.1	5344.7
-2.5°	73097.1	69082.3	67778.0	66315.9	63188.7	53898.8	38122.2	21524.0	12766.0	8881.2	5650.9
-5°	74566.6	71628.4	70565.8	69133.3	65300.9	55045.3	38436.6	21933.2	13079.5	9042.7	5857.2
-7.5°	76631.5	74492.3	73456.3	71766.1	66641.2	54771.5	37374.8	21560.7	12989.1	8825.5	5721.5
-10°	78937.5	77726.0	76592.8	74130.6	67047.9	52990.1	34999.8	20457.7	12575.9	8432.3	5468.1
-12.5°	82100.9	80879.1	79416.5	76168.3	66287.0	49205.5	30984.0	18506.3	11804.8	7858.5	5091.1
-15°	85378.3	83612.2	80716.3	74258.8	61792.3	43773.6	26133.2	15624.2	10672.8	7111.2	4584.4
-17.5°	87206.1	84915.1	80724.4	70781.1	54421.0	36646.4	22432.9	14084.8	9601.5	6326.8	3976.0
-20°	87736.8	84220.9	75663.7	62316.0	45370.9	28265.1	18004.9	12308.1	8451.7	5547.0	3449.4



REPORT NUMBER: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	86035.9	78125.0	67055.3	51484.9	34931.2	22961.0	15108.0	10505.0	7088.4	4595.1	2834.2
-25°	78311.0	68371.8	54748.2	39453.8	26462.5	17523.2	12632.9	8902.4	5947.7	3696.8	2177.7
-27.5°	65964.1	54200.9	41090.2	28697.0	19781.8	14518.7	10384.7	7165.0	4652.0	2903.8	1723.2
-30°	49693.8	38369.6	28865.5	20831.7	15914.8	11686.7	8215.2	5602.3	3580.7	2122.4	1250.3
-32.5°	32983.0	26772.0	20264.9	16449.3	12601.8	9165.7	6403.3	4079.2	2523.8	1571.0	942.2
-35°	23253.3	19254.8	15812.7	12657.0	9554.0	6948.8	4636.9	2941.4	1789.4	1051.6	668.1
-37.5°	17289.1	14518.2	11926.0	9271.7	7001.7	4926.1	3261.5	2048.2	1143.7	731.1	496.9
-40°	12747.0	10547.3	8540.9	6460.2	4793.2	3285.3	2190.3	1277.0	804.5	483.3	379.4
-42.5°	8902.8	7189.6	5649.5	4258.4	2998.9	2108.5	1324.8	845.9	520.3	372.5	305.2
-45°	5736.2	4577.5	3412.8	2585.2	1770.5	1234.5	790.5	527.1	368.6	300.2	251.3
-47.5°	3416.4	2695.3	1956.4	1433.1	1020.8	665.7	488.6	336.5	292.8	249.2	216.6
-50°	1840.9	1457.9	1072.9	739.2	560.5	396.4	317.9	276.7	241.2	211.6	184.1
-52.5°	908.8	726.8	552.0	390.6	326.8	288.5	252.2	227.3	200.8	178.6	157.9
-55°	404.0	349.5	316.0	281.4	249.9	229.6	207.7	187.0	169.0	150.3	136.9
-57.5°	282.7	257.5	239.4	221.0	202.4	186.0	170.3	154.4	142.0	130.0	118.8
-60°	217.4	199.7	188.3	175.9	162.5	149.0	139.5	129.7	119.7	112.8	106.2
-62.5°	169.5	157.9	148.7	140.2	131.4	122.6	115.5	110.0	104.3	98.4	91.6
-65°	132.4	125.0	118.0	112.9	107.9	102.9	98.4	93.5	88.1	82.2	75.9
-67.5°	104.1	99.8	95.9	92.3	88.7	84.9	80.8	76.3	71.6	66.5	60.7
-70°	81.1	78.2	75.3	72.7	70.2	67.4	64.0	60.1	55.7	52.1	48.6
-72.5°	62.9	60.9	58.9	56.8	54.2	51.8	49.6	47.2	44.5	41.7	38.9
-75°	49.1	47.7	46.2	44.5	42.7	40.6	38.7	36.8	34.9	32.8	30.6
-77.5°	37.0	36.0	34.7	33.4	32.0	30.6	29.1	27.7	26.5	25.3	24.3
-80°	26.0	25.2	24.3	23.5	22.7	21.8	20.9	20.2	19.6	19.4	19.3
-82.5°	16.9	16.7	16.6	16.4	16.3	16.2	16.2	16.2	16.2	16.1	16.0
-85°	10.9	11.5	12.0	12.4	12.7	12.9	13.2	13.3	13.5	13.7	13.8
-87.5°	7.2	7.8	8.3	8.5	8.7	8.8	8.9	9.0	9.0	9.0	9.0
-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: P1306496 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-80-5L-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°	9.3	9.0	8.7	8.3	7.9	7.5	7.0	6.5	6.0	5.4	4.8
85°	14.9	15.0	15.0	15.0	15.0	14.9	14.0	13.0	12.0	10.8	9.7
82.5°	16.9	17.0	17.1	17.1	16.9	16.8	16.6	16.4	16.2	15.9	14.5
80°	19.6	19.6	19.6	19.5	19.0	18.6	18.2	17.9	17.6	17.2	16.8
77.5°	23.0	22.7	22.4	22.1	21.5	20.8	20.2	19.5	18.9	18.4	17.9
75°	27.2	26.4	25.8	25.0	24.1	23.1	22.3	21.4	20.6	19.7	19.0
72.5°	33.0	31.3	29.7	28.1	26.9	25.7	24.5	23.3	22.3	21.2	20.2
70°	39.5	36.9	34.6	32.5	30.3	28.4	26.9	25.5	24.0	22.7	21.5
67.5°	46.7	43.6	40.5	37.1	34.3	31.8	29.5	27.7	26.0	24.2	22.8
65°	57.4	52.2	46.8	43.0	39.0	35.4	32.6	30.0	27.9	26.0	24.1
62.5°	68.3	62.5	56.4	49.8	44.4	40.0	35.7	32.8	29.9	27.7	25.5
60°	79.2	72.8	66.3	59.3	51.6	44.9	40.0	35.5	32.3	29.3	27.0
57.5°	88.1	82.7	76.1	68.8	60.7	51.8	44.5	39.1	34.6	31.3	28.4
55°	97.4	90.6	85.0	77.9	69.6	60.4	50.2	43.2	37.1	33.2	29.8
52.5°	110.5	100.3	92.3	86.1	78.1	68.7	57.9	47.2	40.8	35.0	31.4
50°	126.3	112.6	101.2	92.6	86.0	76.4	65.3	53.6	44.3	37.2	33.0
47.5°	144.8	127.7	112.6	100.0	91.8	84.1	72.4	60.1	47.8	40.4	34.6
45°	167.5	145.0	125.9	110.5	97.6	90.1	79.5	66.2	53.3	43.5	36.1
42.5°	192.3	166.5	141.9	120.7	106.7	95.6	86.5	72.6	58.6	46.6	38.4
40°	225.2	191.0	159.6	135.7	116.2	101.1	91.8	78.9	63.7	50.2	41.0
37.5°	259.1	220.0	183.2	151.1	126.8	109.6	96.7	85.1	69.0	54.7	43.6
35°	301.8	252.0	207.4	170.3	140.9	117.8	101.6	90.5	74.5	59.1	46.1
32.5°	345.3	286.5	236.2	192.2	155.1	125.7	107.9	94.8	79.8	63.2	48.5
30°	421.8	327.6	264.7	213.4	170.6	137.9	114.7	99.1	84.8	67.1	51.0
27.5°	522.5	369.8	294.7	237.4	189.2	150.1	121.4	103.2	89.4	71.0	54.2
25°	649.0	452.0	332.5	261.6	207.0	161.4	127.7	107.3	93.2	74.8	57.2
22.5°	821.9	556.1	370.2	284.8	222.6	172.0	135.4	112.6	96.4	78.3	59.9
20°	1008.6	667.2	409.2	308.0	239.4	184.9	144.1	117.5	99.5	81.5	62.5
17.5°	1213.0	813.7	503.0	342.5	256.3	196.8	152.0	122.0	102.4	84.4	64.8
15°	1504.0	1001.8	610.4	379.5	271.9	207.4	159.0	126.1	105.0	87.0	66.8
12.5°	1830.9	1195.9	719.7	417.9	285.9	216.8	165.1	129.9	107.4	89.6	68.6
10°	2174.1	1390.6	827.7	456.2	298.2	224.9	170.3	133.9	110.3	92.0	70.1
7.5°	2520.9	1579.8	930.9	493.0	309.7	233.2	178.5	139.3	113.1	94.2	71.3
5°	2863.4	1774.5	1040.5	544.5	325.4	241.6	186.7	144.5	115.6	96.1	72.3
2.5°	3205.2	1978.8	1147.3	595.4	339.3	248.5	194.0	149.2	117.8	97.7	73.1
0°	3506.3	2158.5	1238.0	640.3	351.0	253.9	200.4	153.3	119.7	98.9	73.5
-2.5°	3671.0	2253.9	1278.9	672.1	366.3	261.1	206.2	156.5	120.8	99.2	73.6
-5°	3772.8	2309.0	1298.6	693.3	378.1	266.9	210.8	158.9	121.5	99.1	73.5
-7.5°	3669.5	2240.0	1271.8	698.7	385.9	271.1	213.9	160.4	121.8	98.5	73.0
-10°	3462.2	2082.5	1188.4	670.9	390.0	271.4	214.7	160.8	121.5	97.6	72.3
-12.5°	3179.2	1891.0	1091.8	637.7	387.2	267.3	208.6	157.7	120.6	96.2	71.2
-15°	2817.3	1667.1	984.1	600.6	376.2	260.6	201.1	152.7	118.5	94.3	69.8
-17.5°	2376.4	1412.6	867.8	561.1	355.9	251.2	192.4	147.2	116.0	92.0	68.1
-20°	2036.2	1193.8	756.3	520.5	325.5	238.8	182.4	141.1	113.2	89.3	66.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1687.4	1020.0	675.4	483.7	296.3	223.3	171.2	134.5	110.0	86.1	63.8
-25°	1298.7	832.7	587.5	413.9	278.0	209.6	160.8	127.5	106.5	82.6	61.1
-27.5°	1025.9	660.3	497.8	345.5	251.5	194.6	152.1	123.0	102.5	78.6	58.1
-30°	797.3	560.0	418.4	288.2	223.7	177.6	143.1	118.4	97.7	74.7	54.7
-32.5°	594.5	459.8	345.6	256.3	201.4	161.1	133.7	113.5	92.4	70.6	52.2
-35°	489.1	377.8	279.9	223.2	182.4	150.0	125.3	108.3	86.6	66.1	49.9
-37.5°	383.8	308.8	243.0	195.3	163.8	138.7	119.0	101.8	80.5	61.3	47.5
-40°	316.2	255.1	207.0	175.7	149.7	127.2	112.6	94.3	74.4	56.0	44.9
-42.5°	257.0	217.8	182.9	156.9	137.0	120.0	105.8	86.3	68.0	52.1	42.2
-45°	219.5	186.6	162.4	142.7	125.0	112.8	96.6	78.1	61.3	48.9	39.6
-47.5°	186.2	163.9	144.7	128.4	117.2	104.7	87.0	70.2	54.3	45.5	37.3
-50°	161.3	143.7	129.4	118.1	108.9	93.7	77.2	62.0	50.3	41.9	34.9
-52.5°	140.8	127.4	117.4	109.2	97.1	82.2	67.7	53.9	46.1	38.7	32.3
-55°	123.9	114.9	107.7	97.4	84.5	71.3	58.0	49.1	41.8	35.5	29.8
-57.5°	111.5	104.7	95.2	84.0	72.3	60.3	50.9	44.2	37.8	32.2	28.4
-60°	99.4	90.8	81.2	71.0	60.3	51.6	45.4	39.3	33.9	29.1	26.9
-62.5°	84.2	76.2	67.4	57.9	50.9	45.4	39.8	34.7	29.8	27.4	25.4
-65°	69.2	61.7	53.9	49.1	44.2	39.2	34.5	29.9	27.4	25.7	23.9
-67.5°	54.3	50.2	46.1	41.8	37.5	33.2	28.9	26.9	25.4	23.9	22.4
-70°	45.1	41.6	38.1	34.4	30.7	27.5	26.0	24.7	23.4	22.2	20.8
-72.5°	36.4	33.5	30.2	27.2	26.0	24.8	23.6	22.5	21.6	20.5	19.2
-75°	28.1	26.5	25.2	24.1	23.2	22.2	21.4	20.6	19.7	18.8	18.1
-77.5°	23.2	22.3	21.6	21.2	20.6	19.9	19.3	18.6	18.0	17.5	17.0
-80°	19.1	19.0	18.8	18.6	18.1	17.7	17.3	17.0	16.6	16.3	15.9
-82.5°	16.0	16.1	16.2	16.2	16.0	15.9	15.7	15.5	15.3	15.0	13.7
-85°	14.0	14.1	14.1	14.1	14.1	14.0	13.2	12.2	11.3	10.2	9.1
-87.5°	8.7	8.5	8.1	7.8	7.4	7.0	6.6	6.1	5.6	5.1	4.6
-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):

	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°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
85°	8.4	7.0	5.7	4.2	2.8	1.4	0.0
82.5°	12.6	10.6	8.5	6.4	4.2	2.1	0.0
80°	16.4	14.0	11.3	8.5	5.7	2.8	0.0
77.5°	17.4	16.6	14.0	10.6	7.0	3.5	0.0
75°	18.3	17.4	16.4	12.6	8.4	4.2	0.0
72.5°	19.2	18.1	17.0	14.7	9.8	4.9	0.0
70°	20.1	18.9	17.6	16.4	11.1	5.6	0.0
67.5°	21.2	19.6	18.2	16.8	12.5	6.2	0.0
65°	22.3	20.4	18.8	17.3	13.8	6.9	0.0
62.5°	23.4	21.3	19.4	17.7	15.0	7.5	0.0
60°	24.4	22.2	20.0	18.1	16.3	8.1	0.0
57.5°	25.6	23.0	20.6	18.6	16.6	8.8	0.0
55°	26.8	23.8	21.3	19.0	16.8	9.3	0.0
52.5°	28.0	24.7	21.9	19.3	17.1	9.9	0.0
50°	29.2	25.7	22.5	19.7	17.4	10.5	0.0
47.5°	30.4	26.6	23.1	20.1	17.6	11.0	0.0
45°	31.8	27.6	23.7	20.5	17.8	11.5	0.0
42.5°	33.1	28.5	24.2	20.9	18.1	12.0	0.0
40°	34.3	29.4	24.9	21.3	18.3	12.5	0.0
37.5°	35.5	30.3	25.5	21.7	18.5	12.9	0.0
35°	36.7	31.2	26.2	22.0	18.7	13.4	0.0
32.5°	38.1	32.1	26.8	22.4	18.8	13.7	0.0
30°	40.0	33.0	27.4	22.7	19.0	14.1	0.0
27.5°	41.8	33.8	27.9	23.0	19.2	14.5	0.0
25°	43.5	34.6	28.4	23.2	19.3	14.8	0.0
22.5°	45.1	35.3	28.9	23.5	19.4	15.1	0.0
20°	46.6	35.9	29.3	23.7	19.6	15.3	0.0
17.5°	47.9	36.5	29.6	23.9	19.7	15.5	0.0
15°	49.0	37.1	29.9	24.0	19.7	15.7	0.0
12.5°	50.0	37.6	30.2	24.2	19.8	15.9	0.0
10°	50.9	38.0	30.4	24.3	19.9	16.1	0.0
7.5°	51.5	38.4	30.6	24.4	19.9	16.2	0.0
5°	52.0	38.6	30.7	24.4	20.0	16.2	0.0
2.5°	52.4	38.9	30.8	24.5	20.0	16.3	0.0
0°	52.6	39.0	30.8	24.5	20.0	16.3	0.0
-2.5°	52.6	39.1	30.8	24.5	20.0	16.3	0.0
-5°	52.5	39.0	30.7	24.4	20.0	16.2	0.0
-7.5°	52.2	38.9	30.6	24.4	19.9	16.2	0.0
-10°	51.8	38.7	30.4	24.3	19.9	16.1	0.0
-12.5°	51.2	38.4	30.2	24.2	19.8	15.9	0.0
-15°	50.5	38.1	29.9	24.0	19.7	15.7	0.0
-17.5°	49.6	37.6	29.6	23.9	19.7	15.5	0.0
-20°	48.5	37.0	29.3	23.7	19.6	15.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	47.2	36.4	28.9	23.5	19.4	15.1	0.0
-25°	45.8	35.6	28.4	23.2	19.3	14.8	0.0
-27.5°	44.3	34.7	27.9	23.0	19.2	14.5	0.0
-30°	42.6	33.7	27.4	22.7	19.0	14.1	0.0
-32.5°	40.8	32.6	26.8	22.4	18.8	13.7	0.0
-35°	39.2	31.4	26.2	22.0	18.7	13.4	0.0
-37.5°	37.7	30.3	25.5	21.7	18.5	12.9	0.0
-40°	36.1	29.4	24.9	21.3	18.3	12.5	0.0
-42.5°	34.3	28.5	24.2	20.9	18.1	12.0	0.0
-45°	32.5	27.6	23.7	20.5	17.8	11.5	0.0
-47.5°	30.5	26.6	23.1	20.1	17.6	11.0	0.0
-50°	29.2	25.7	22.4	19.6	17.4	10.5	0.0
-52.5°	28.0	24.7	21.8	19.3	17.1	9.9	0.0
-55°	26.8	23.8	21.1	18.8	16.8	9.3	0.0
-57.5°	25.6	22.8	20.3	18.4	16.6	8.8	0.0
-60°	24.4	21.9	19.6	18.0	16.3	8.1	0.0
-62.5°	23.1	20.9	19.0	17.6	15.0	7.5	0.0
-65°	21.9	19.9	18.4	17.1	13.8	6.9	0.0
-67.5°	20.6	19.0	17.8	16.7	12.5	6.2	0.0
-70°	19.3	18.2	17.2	16.2	11.1	5.6	0.0
-72.5°	18.3	17.5	16.6	14.5	9.8	4.9	0.0
-75°	17.4	16.7	16.0	12.5	8.4	4.2	0.0
-77.5°	16.5	15.9	13.7	10.4	7.0	3.5	0.0
-80°	15.5	13.5	11.0	8.4	5.7	2.8	0.0
-82.5°	11.9	10.1	8.2	6.3	4.2	2.1	0.0
-85°	8.0	6.8	5.5	4.2	2.8	1.4	0.0
-87.5°	4.0	3.4	2.8	2.1	1.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)