

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: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-57-70-5S-A**

Issue Date: 2/3/2026

Test Information

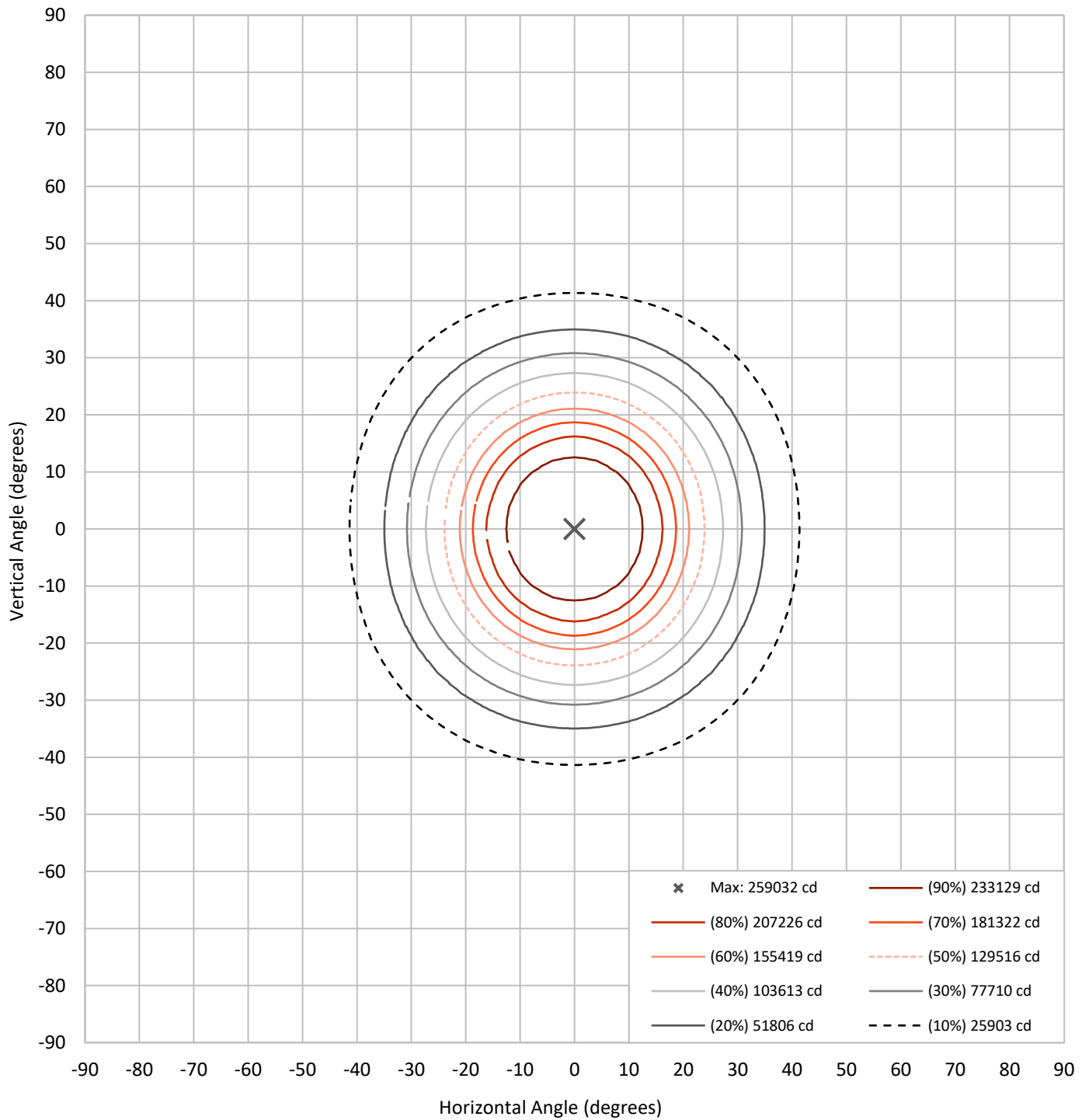
Test Method: LM-79-08
Report Number: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200L-57-70-5S-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	189021.1 lumens	Max Intensity:	259032 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	154.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	47.8°H x 47.8°V	Field Angle (10%):	82.7°H x 82.7°V
Beam Lumens:	105357.5 lumens	Field Lumens:	173905.7 lumens
Beam Efficiency:	55.7%	Field Efficiency:	92.0%
Input Watts (W):	1223		
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





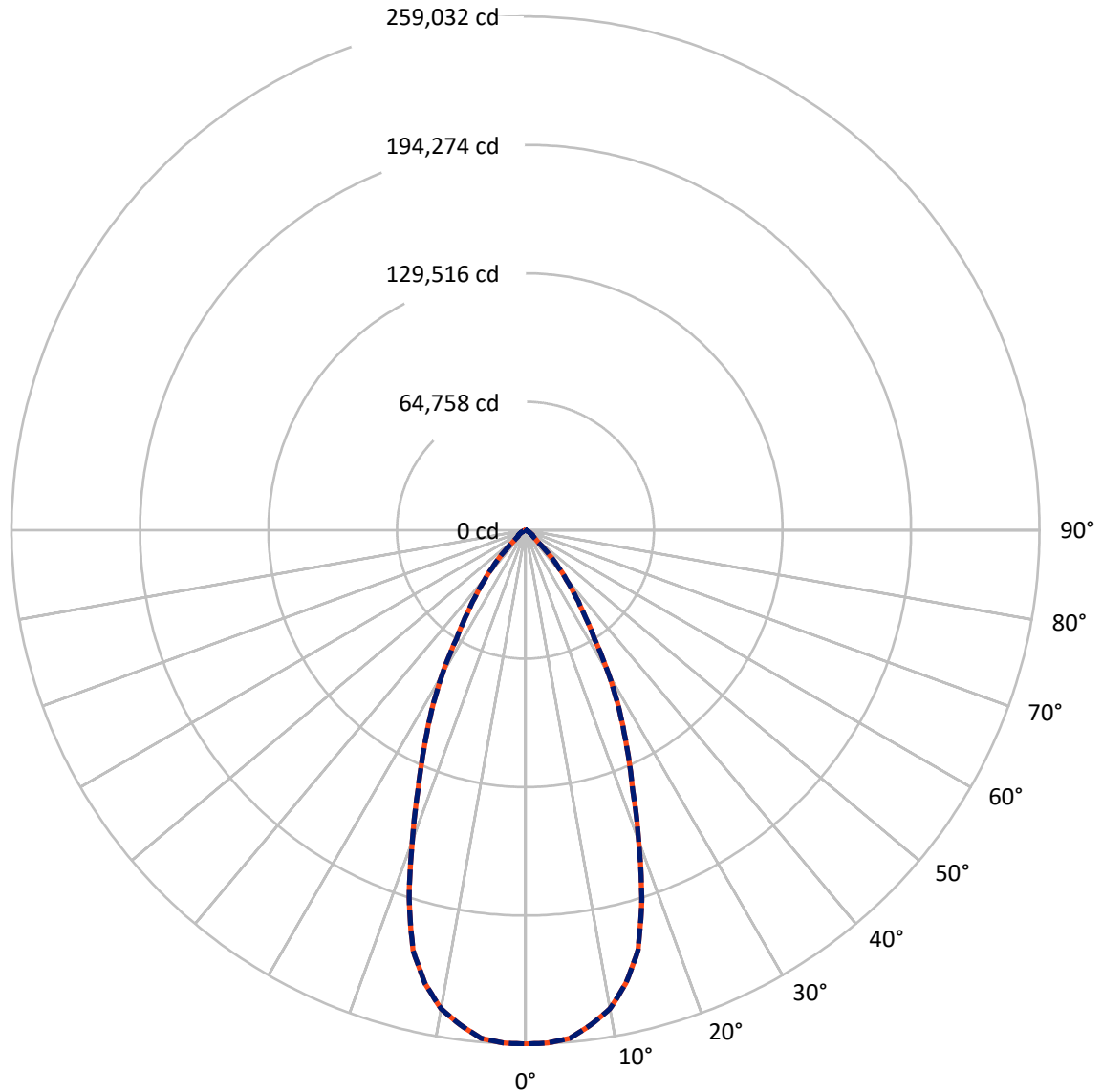
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Lumen Table

90															90				
80	0.2	1.7		6.7		15.3		19.7		15.3		6.7		1.7		0.2			
70															70				
60	0.8	1.1	3.9	10.2	20.2	31.9	42.4	48.4	48.4	42.4	31.9	20.2	10.2	3.9	1.1	0.8			
50		2.9	11.7	30.0	57.0	86.5	109.9	122.8	122.8	109.9	86.5	57.0	30.0	11.7	2.9				
40	2.2	6.3	24.5	60.2	105.4	179.5	327.8	449.7	449.7	327.8	179.5	105.4	60.2	24.5	6.3	2.2			
30		10.8	40.4	91.3	231.9	661.0	1182.2	1553.5	1553.5	1182.2	661.0	231.9	91.3	40.4	10.8				
20	4.4	15.4	55.5	141.5	600.9	1490.4	2678.8	3553.3	3553.3	2678.8	1490.4	600.9	141.5	55.5	15.4	4.4			
10		19.2	66.1	244.8	1010.1	2520.7	4571.2	6203.4	6203.4	4571.2	2520.7	1010.1	244.8	66.1	19.2				
0	5.4	21.3	71.6	326.5	1288.8	3245.7	6022.8	7560.0	7560.0	6022.8	3245.7	1288.8	326.5	71.6	21.3	5.4			
-10		21.3	71.6	326.5	1288.8	3245.7	6022.8	7560.0	7560.0	6022.8	3245.7	1288.8	326.5	71.6	21.3				
-20	4.4	19.2	66.1	244.8	1010.1	2520.7	4571.2	6203.4	6203.4	4571.2	2520.7	1010.1	244.8	66.1	19.2	4.4			
-30		15.4	55.5	141.5	600.9	1490.4	2678.8	3553.3	3553.3	2678.8	1490.4	600.9	141.5	55.5	15.4				
-40	2.2	10.8	40.4	91.3	231.9	661.0	1182.2	1553.5	1553.5	1182.2	661.0	231.9	91.3	40.4	10.8	2.2			
-50		6.3	24.5	60.2	105.4	179.5	327.8	449.7	449.7	327.8	179.5	105.4	60.2	24.5	6.3				
-60	0.8	2.9	11.7	30.0	57.0	86.5	109.9	122.8	122.8	109.9	86.5	57.0	30.0	11.7	2.9	0.8			
-70		1.1	3.9	10.2	20.2	31.9	42.4	48.4	48.4	42.4	31.9	20.2	10.2	3.9	1.1				
-80															-80				
-90	0.2	1.7		6.7		15.3		19.7		15.3		6.7		1.7		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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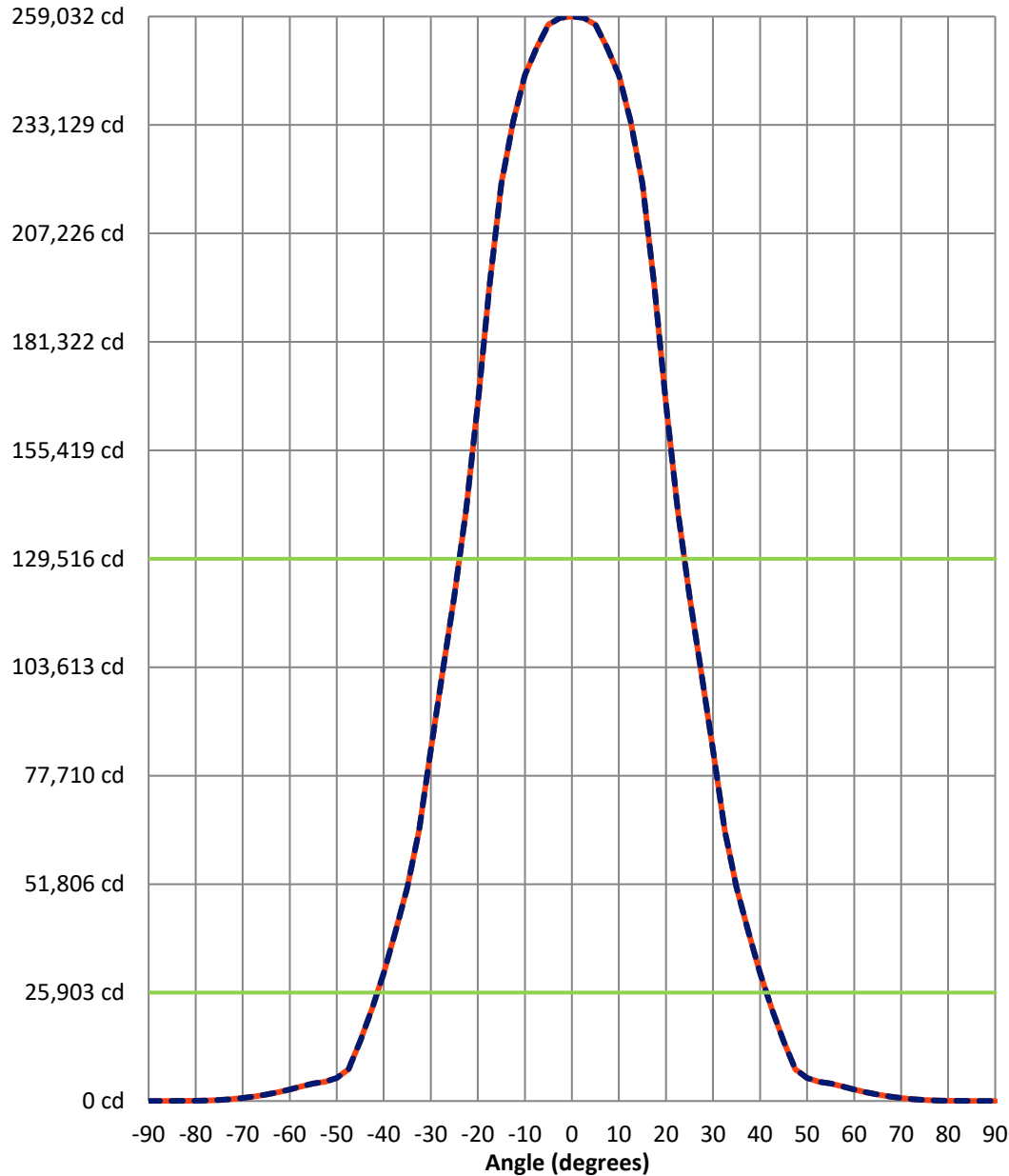
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 47.8°
V Angle: 47.8°
Lumens: 105357.5
Efficiency: 55.7%

Field:
H Angle: 82.7°
V Angle: 82.7°
Lumens: 173905.7
Efficiency: 92.0%

Spill:
Lumens: 15115.3
Efficiency: 8.0%

— 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	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.3	5.8
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.3	9.2	11.1
80°	0.0	1.2	2.4	3.6	4.8	5.9	7.4	10.0	12.6	15.2	17.7
77.5°	0.0	1.5	3.0	4.5	5.9	8.1	11.4	14.7	17.9	21.1	24.7
75°	0.0	1.8	3.6	5.3	7.4	11.4	15.4	19.3	23.3	28.1	32.8
72.5°	0.0	2.1	4.1	6.2	10.0	14.7	19.3	24.2	29.8	35.4	40.8
70°	0.0	2.4	4.7	7.3	12.6	17.9	23.3	29.8	36.2	42.6	50.1
67.5°	0.0	2.6	5.3	9.2	15.2	21.1	28.1	35.4	42.6	51.1	59.5
65°	0.0	2.9	5.8	11.1	17.7	24.7	32.8	40.8	50.1	59.5	73.3
62.5°	0.0	3.2	6.4	12.9	20.2	28.5	37.4	47.0	57.4	70.5	97.3
60°	0.0	3.4	6.9	14.7	22.6	32.3	41.9	53.3	64.6	91.8	120.8
57.5°	0.0	3.7	8.1	16.5	25.5	35.9	47.1	59.4	80.8	112.5	158.4
55°	0.0	4.0	9.2	18.2	28.3	39.5	52.2	65.5	98.8	136.9	201.9
52.5°	0.0	4.2	10.3	19.9	31.1	43.1	57.2	79.7	116.3	175.1	244.3
50°	0.0	4.4	11.4	21.5	33.8	47.1	62.1	94.6	137.9	212.1	307.4
47.5°	0.0	4.7	12.4	23.2	36.4	51.0	67.8	108.9	169.7	247.9	371.0
45°	0.0	4.9	13.4	25.0	38.9	54.8	79.7	122.7	200.3	302.6	432.5
42.5°	0.0	5.1	14.4	26.8	41.3	58.3	91.0	143.2	229.7	355.5	516.0
40°	0.0	5.3	15.3	28.5	43.8	61.8	101.8	167.7	263.2	406.2	600.1
37.5°	0.0	5.5	16.2	30.1	46.4	65.0	112.1	191.0	306.0	461.0	680.3
35°	0.0	5.7	17.0	31.7	48.8	71.4	121.8	213.1	346.5	529.1	764.6
32.5°	0.0	5.8	17.7	33.1	51.1	79.0	133.5	233.8	384.6	593.2	856.6
30°	0.0	6.0	18.5	34.4	53.3	86.1	150.1	256.0	420.3	653.3	942.9
27.5°	0.0	6.1	19.1	35.7	55.3	92.7	165.5	284.9	459.5	709.2	1023.2
25°	0.0	6.3	19.7	36.8	57.1	98.8	179.7	311.4	504.9	770.3	1098.1
22.5°	0.0	6.4	20.3	37.9	58.8	104.3	192.6	335.7	546.4	830.7	1182.7
20°	0.0	6.5	20.8	38.8	60.3	109.3	204.2	357.5	583.8	885.2	1259.0
17.5°	0.0	6.6	21.2	39.7	61.7	113.7	214.5	376.9	617.1	933.6	1326.8
15°	0.0	6.7	21.6	40.4	62.8	117.5	223.5	393.8	646.1	975.9	1386.1
12.5°	0.0	6.7	21.9	41.0	63.8	120.8	231.2	408.2	670.7	1011.9	1436.5
10°	0.0	6.8	22.2	41.5	64.6	123.5	237.5	420.0	691.0	1041.4	1478.0
7.5°	0.0	6.8	22.4	41.9	65.3	125.6	242.4	429.2	706.8	1064.5	1510.4
5°	0.0	6.9	22.6	42.2	65.7	127.1	245.9	435.8	718.1	1081.0	1533.6
2.5°	0.0	6.9	22.7	42.3	66.0	128.0	248.0	439.8	724.9	1091.0	1547.5
0°	0.0	6.9	22.7	42.4	66.1	128.3	248.7	441.1	727.2	1094.3	1552.2
-2.5°	0.0	6.9	22.7	42.3	66.0	128.0	248.0	439.8	724.9	1091.0	1547.5
-5°	0.0	6.9	22.6	42.2	65.7	127.1	245.9	435.8	718.1	1081.0	1533.6
-7.5°	0.0	6.8	22.4	41.9	65.3	125.6	242.4	429.2	706.8	1064.5	1510.4
-10°	0.0	6.8	22.2	41.5	64.6	123.5	237.5	420.0	691.0	1041.4	1478.0
-12.5°	0.0	6.7	21.9	41.0	63.8	120.8	231.2	408.2	670.7	1011.9	1436.5
-15°	0.0	6.7	21.6	40.4	62.8	117.5	223.5	393.8	646.1	975.9	1386.1
-17.5°	0.0	6.6	21.2	39.7	61.7	113.7	214.5	376.9	617.1	933.6	1326.8
-20°	0.0	6.5	20.8	38.8	60.3	109.3	204.2	357.5	583.8	885.2	1259.0



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 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.4	20.3	37.9	58.8	104.3	192.6	335.7	546.4	830.7	1182.7
-25°	0.0	6.3	19.7	36.8	57.1	98.8	179.7	311.4	504.9	770.3	1098.1
-27.5°	0.0	6.1	19.1	35.7	55.3	92.7	165.5	284.9	459.5	709.2	1023.2
-30°	0.0	6.0	18.5	34.4	53.3	86.1	150.1	256.0	420.3	653.3	942.9
-32.5°	0.0	5.8	17.7	33.1	51.1	79.0	133.5	233.8	384.6	593.2	856.6
-35°	0.0	5.7	17.0	31.7	48.8	71.4	121.8	213.1	346.5	529.1	764.6
-37.5°	0.0	5.5	16.2	30.1	46.4	65.0	112.1	191.0	306.0	461.0	680.3
-40°	0.0	5.3	15.3	28.5	43.8	61.8	101.8	167.7	263.2	406.2	600.1
-42.5°	0.0	5.1	14.4	26.8	41.3	58.3	91.0	143.2	229.7	355.5	516.0
-45°	0.0	4.9	13.4	25.0	38.9	54.8	79.7	122.7	200.3	302.6	432.5
-47.5°	0.0	4.7	12.4	23.2	36.4	51.0	67.8	108.9	169.7	247.9	371.0
-50°	0.0	4.4	11.4	21.5	33.8	47.1	62.1	94.6	137.9	212.1	307.4
-52.5°	0.0	4.2	10.3	19.9	31.1	43.1	57.2	79.7	116.3	175.1	244.3
-55°	0.0	4.0	9.2	18.2	28.3	39.5	52.2	65.5	98.8	136.9	201.9
-57.5°	0.0	3.7	8.1	16.5	25.5	35.9	47.1	59.4	80.8	112.5	158.4
-60°	0.0	3.4	6.9	14.7	22.6	32.3	41.9	53.3	64.6	91.8	120.8
-62.5°	0.0	3.2	6.4	12.9	20.2	28.5	37.4	47.0	57.4	70.5	97.3
-65°	0.0	2.9	5.8	11.1	17.7	24.7	32.8	40.8	50.1	59.5	73.3
-67.5°	0.0	2.6	5.3	9.2	15.2	21.1	28.1	35.4	42.6	51.1	59.5
-70°	0.0	2.4	4.7	7.3	12.6	17.9	23.3	29.8	36.2	42.6	50.1
-72.5°	0.0	2.1	4.1	6.2	10.0	14.7	19.3	24.2	29.8	35.4	40.8
-75°	0.0	1.8	3.6	5.3	7.4	11.4	15.4	19.3	23.3	28.1	32.8
-77.5°	0.0	1.5	3.0	4.5	5.9	8.1	11.4	14.7	17.9	21.1	24.7
-80°	0.0	1.2	2.4	3.6	4.8	5.9	7.4	10.0	12.6	15.2	17.7
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.3	9.2	11.1
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.3	5.8
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-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: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-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°	3.2	3.4	3.7	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.5
85°	6.4	6.9	8.1	9.2	10.3	11.4	12.4	13.4	14.4	15.3	16.2
82.5°	12.9	14.7	16.5	18.2	19.9	21.5	23.2	25.0	26.8	28.5	30.1
80°	20.2	22.6	25.5	28.3	31.1	33.8	36.4	38.9	41.3	43.8	46.4
77.5°	28.5	32.3	35.9	39.5	43.1	47.1	51.0	54.8	58.3	61.8	65.0
75°	37.4	41.9	47.1	52.2	57.2	62.1	67.8	79.7	91.0	101.8	112.1
72.5°	47.0	53.3	59.4	65.5	79.7	94.6	108.9	122.7	143.2	167.7	191.0
70°	57.4	64.6	80.8	98.8	116.3	137.9	169.7	200.3	229.7	263.2	306.0
67.5°	70.5	91.8	112.5	136.9	175.1	212.1	247.9	302.6	355.5	406.2	461.0
65°	97.3	120.8	158.4	201.9	244.3	307.4	371.0	432.5	516.0	600.1	680.3
62.5°	123.6	169.2	218.1	276.2	350.7	423.1	518.6	619.3	716.2	832.2	945.9
60°	169.2	223.5	293.6	376.9	466.4	583.8	697.7	830.7	966.8	1098.1	1253.8
57.5°	218.1	293.6	385.7	492.6	623.3	757.2	915.8	1069.2	1247.6	1424.9	1602.8
55°	276.2	376.9	492.6	636.5	791.3	967.2	1149.1	1355.8	1555.9	1785.4	2005.2
52.5°	350.7	466.4	623.3	791.3	984.5	1192.4	1421.2	1661.0	1917.6	2178.0	2462.9
50°	423.1	583.8	757.2	967.2	1192.4	1443.1	1713.9	1997.7	2307.4	2626.0	2953.9
47.5°	518.6	697.7	915.8	1149.1	1421.2	1713.9	2024.6	2372.6	2724.9	3103.9	3472.5
45°	619.3	830.7	1069.2	1355.8	1661.0	1997.7	2372.6	2758.0	3179.4	3582.0	3951.6
42.5°	716.2	966.8	1247.6	1555.9	1917.6	2307.4	2724.9	3179.4	3618.1	4025.0	4325.7
40°	832.2	1098.1	1424.9	1785.4	2178.0	2626.0	3103.9	3582.0	4025.0	4347.6	4591.2
37.5°	945.9	1253.8	1602.8	2005.2	2462.9	2953.9	3472.5	3951.6	4325.7	4591.2	5150.9
35°	1053.9	1401.7	1795.8	2237.8	2734.8	3283.2	3805.9	4260.3	4546.6	5099.9	5956.0
32.5°	1171.1	1541.5	1978.5	2476.4	3022.4	3590.5	4122.0	4458.2	4948.1	5717.5	7178.5
30°	1290.5	1696.5	2160.5	2701.1	3296.5	3868.5	4327.5	4698.2	5395.7	6813.7	10019.7
27.5°	1401.7	1843.0	2353.3	2930.5	3549.8	4129.2	4491.8	5092.0	6214.1	8416.4	13600.5
25°	1504.4	1978.5	2531.8	3149.6	3773.6	4298.6	4696.1	5459.5	7120.2	11560.1	17337.4
22.5°	1607.4	2103.1	2695.4	3350.7	3979.3	4429.0	5010.7	6170.4	8767.7	14496.7	20912.0
20°	1708.9	2237.8	2854.2	3530.9	4165.9	4547.5	5297.0	6880.7	11247.3	17546.6	24439.2
17.5°	1799.3	2357.9	3002.8	3683.9	4275.9	4715.7	5607.8	7518.6	13478.9	20298.0	27743.6
15°	1878.2	2462.9	3132.8	3817.8	4361.4	4923.4	6125.5	9160.2	15603.9	22809.2	30687.2
12.5°	1945.4	2552.4	3243.8	3932.2	4434.5	5101.1	6569.1	10719.2	17535.1	25140.1	33626.2
10°	2000.7	2626.0	3335.1	4026.5	4494.8	5247.9	6936.0	12010.0	19136.7	27076.8	36073.6
7.5°	2044.0	2683.6	3406.6	4100.2	4542.0	5362.9	7223.7	13023.9	20396.2	28602.3	38005.1
5°	2075.0	2724.9	3457.9	4153.2	4576.0	5445.6	7430.6	13753.5	21303.6	29702.6	39400.3
2.5°	2093.6	2749.7	3488.7	4185.1	4596.4	5495.4	7555.3	14193.5	21851.2	30367.1	40243.8
0°	2099.8	2758.0	3499.0	4195.7	4603.2	5512.0	7597.0	14340.5	22034.2	30589.4	40526.0
-2.5°	2093.6	2749.7	3488.7	4185.1	4596.4	5495.4	7555.3	14193.5	21851.2	30367.1	40243.8
-5°	2075.0	2724.9	3457.9	4153.2	4576.0	5445.6	7430.6	13753.5	21303.6	29702.6	39400.3
-7.5°	2044.0	2683.6	3406.6	4100.2	4542.0	5362.9	7223.7	13023.9	20396.2	28602.3	38005.1
-10°	2000.7	2626.0	3335.1	4026.5	4494.8	5247.9	6936.0	12010.0	19136.7	27076.8	36073.6
-12.5°	1945.4	2552.4	3243.8	3932.2	4434.5	5101.1	6569.1	10719.2	17535.1	25140.1	33626.2
-15°	1878.2	2462.9	3132.8	3817.8	4361.4	4923.4	6125.5	9160.2	15603.9	22809.2	30687.2
-17.5°	1799.3	2357.9	3002.8	3683.9	4275.9	4715.7	5607.8	7518.6	13478.9	20298.0	27743.6
-20°	1708.9	2237.8	2854.2	3530.9	4165.9	4547.5	5297.0	6880.7	11247.3	17546.6	24439.2



REPORT NUMBER: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1607.4	2103.1	2695.4	3350.7	3979.3	4429.0	5010.7	6170.4	8767.7	14496.7	20912.0
-25°	1504.4	1978.5	2531.8	3149.6	3773.6	4298.6	4696.1	5459.5	7120.2	11560.1	17337.4
-27.5°	1401.7	1843.0	2353.3	2930.5	3549.8	4129.2	4491.8	5092.0	6214.1	8416.4	13600.5
-30°	1290.5	1696.5	2160.5	2701.1	3296.5	3868.5	4327.5	4698.2	5395.7	6813.7	10019.7
-32.5°	1171.1	1541.5	1978.5	2476.4	3022.4	3590.5	4122.0	4458.2	4948.1	5717.5	7178.5
-35°	1053.9	1401.7	1795.8	2237.8	2734.8	3283.2	3805.9	4260.3	4546.6	5099.9	5956.0
-37.5°	945.9	1253.8	1602.8	2005.2	2462.9	2953.9	3472.5	3951.6	4325.7	4591.2	5150.9
-40°	832.2	1098.1	1424.9	1785.4	2178.0	2626.0	3103.9	3582.0	4025.0	4347.6	4591.2
-42.5°	716.2	966.8	1247.6	1555.9	1917.6	2307.4	2724.9	3179.4	3618.1	4025.0	4325.7
-45°	619.3	830.7	1069.2	1355.8	1661.0	1997.7	2372.6	2758.0	3179.4	3582.0	3951.6
-47.5°	518.6	697.7	915.8	1149.1	1421.2	1713.9	2024.6	2372.6	2724.9	3103.9	3472.5
-50°	423.1	583.8	757.2	967.2	1192.4	1443.1	1713.9	1997.7	2307.4	2626.0	2953.9
-52.5°	350.7	466.4	623.3	791.3	984.5	1192.4	1421.2	1661.0	1917.6	2178.0	2462.9
-55°	276.2	376.9	492.6	636.5	791.3	967.2	1149.1	1355.8	1555.9	1785.4	2005.2
-57.5°	218.1	293.6	385.7	492.6	623.3	757.2	915.8	1069.2	1247.6	1424.9	1602.8
-60°	169.2	223.5	293.6	376.9	466.4	583.8	697.7	830.7	966.8	1098.1	1253.8
-62.5°	123.6	169.2	218.1	276.2	350.7	423.1	518.6	619.3	716.2	832.2	945.9
-65°	97.3	120.8	158.4	201.9	244.3	307.4	371.0	432.5	516.0	600.1	680.3
-67.5°	70.5	91.8	112.5	136.9	175.1	212.1	247.9	302.6	355.5	406.2	461.0
-70°	57.4	64.6	80.8	98.8	116.3	137.9	169.7	200.3	229.7	263.2	306.0
-72.5°	47.0	53.3	59.4	65.5	79.7	94.6	108.9	122.7	143.2	167.7	191.0
-75°	37.4	41.9	47.1	52.2	57.2	62.1	67.8	79.7	91.0	101.8	112.1
-77.5°	28.5	32.3	35.9	39.5	43.1	47.1	51.0	54.8	58.3	61.8	65.0
-80°	20.2	22.6	25.5	28.3	31.1	33.8	36.4	38.9	41.3	43.8	46.4
-82.5°	12.9	14.7	16.5	18.2	19.9	21.5	23.2	25.0	26.8	28.5	30.1
-85°	6.4	6.9	8.1	9.2	10.3	11.4	12.4	13.4	14.4	15.3	16.2
-87.5°	3.2	3.4	3.7	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.5
-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: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-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°	5.7	5.8	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.7	6.8
85°	17.0	17.7	18.5	19.1	19.7	20.3	20.8	21.2	21.6	21.9	22.2
82.5°	31.7	33.1	34.4	35.7	36.8	37.9	38.8	39.7	40.4	41.0	41.5
80°	48.8	51.1	53.3	55.3	57.1	58.8	60.3	61.7	62.8	63.8	64.6
77.5°	71.4	79.0	86.1	92.7	98.8	104.3	109.3	113.7	117.5	120.8	123.5
75°	121.8	133.5	150.1	165.5	179.7	192.6	204.2	214.5	223.5	231.2	237.5
72.5°	213.1	233.8	256.0	284.9	311.4	335.7	357.5	376.9	393.8	408.2	420.0
70°	346.5	384.6	420.3	459.5	504.9	546.4	583.8	617.1	646.1	670.7	691.0
67.5°	529.1	593.2	653.3	709.2	770.3	830.7	885.2	933.6	975.9	1011.9	1041.4
65°	764.6	856.6	942.9	1023.2	1098.1	1182.7	1259.0	1326.8	1386.1	1436.5	1478.0
62.5°	1053.9	1171.1	1290.5	1401.7	1504.4	1607.4	1708.9	1799.3	1878.2	1945.4	2000.7
60°	1401.7	1541.5	1696.5	1843.0	1978.5	2103.1	2237.8	2357.9	2462.9	2552.4	2626.0
57.5°	1795.8	1978.5	2160.5	2353.3	2531.8	2695.4	2854.2	3002.8	3132.8	3243.8	3335.1
55°	2237.8	2476.4	2701.1	2930.5	3149.6	3350.7	3530.9	3683.9	3817.8	3932.2	4026.5
52.5°	2734.8	3022.4	3296.5	3549.8	3773.6	3979.3	4165.9	4275.9	4361.4	4434.5	4494.8
50°	3283.2	3590.5	3868.5	4129.2	4298.6	4429.0	4547.5	4715.7	4923.4	5101.1	5247.9
47.5°	3805.9	4122.0	4327.5	4491.8	4696.1	5010.7	5297.0	5607.8	6125.5	6569.1	6936.0
45°	4260.3	4458.2	4698.2	5092.0	5459.5	6170.4	6880.7	7518.6	9160.2	10719.2	12010.0
42.5°	4546.6	4948.1	5395.7	6214.1	7120.2	8767.7	11247.3	13478.9	15603.9	17535.1	19136.7
40°	5099.9	5717.5	6813.7	8416.4	11560.1	14496.7	17546.6	20298.0	22809.2	25140.1	27076.8
37.5°	5956.0	7178.5	10019.7	13600.5	17337.4	20912.0	24439.2	27743.6	30687.2	33626.2	36073.6
35°	7301.0	10830.3	14914.9	19270.1	23528.3	27792.6	31907.2	36051.3	39737.2	43064.2	45879.0
32.5°	10830.3	15391.6	20248.7	25202.5	30080.1	35306.0	40217.8	44925.1	49142.7	53345.4	57336.8
30°	14914.9	20248.7	25765.6	31345.3	37386.4	43211.8	48788.2	54751.0	60696.7	66386.9	72529.2
27.5°	19270.1	25202.5	31345.3	38087.0	44742.3	51203.1	58993.1	66766.3	75851.7	83821.0	90332.1
25°	23528.3	30080.1	37386.4	44742.3	52243.3	61155.2	71504.9	82396.0	91990.6	100415.0	107480.7
22.5°	27792.6	35306.0	43211.8	51203.1	61155.2	73107.0	85681.9	97056.8	107351.2	116416.2	124620.3
20°	31907.2	40217.8	48788.2	58993.1	71504.9	85681.9	98775.1	110900.6	122173.8	133386.7	143524.7
17.5°	36051.3	44925.1	54751.0	66766.3	82396.0	97056.8	110900.6	124317.0	137931.5	152442.3	165796.9
15°	39737.2	49142.7	60696.7	75851.7	91990.6	107351.2	122173.8	137931.5	155501.0	173014.2	189679.5
12.5°	43064.2	53345.4	66386.9	83821.0	100415.0	116416.2	133386.7	152442.3	173014.2	193727.1	209816.6
10°	45879.0	57336.8	72529.2	90332.1	107480.7	124620.3	143524.7	165796.9	189679.5	209816.6	225759.9
7.5°	48105.3	60502.7	77417.6	95534.9	113128.7	131688.4	153311.6	178006.5	202349.8	222456.9	234008.0
5°	49716.4	62798.7	80972.6	99331.7	117268.6	136899.3	160582.6	187242.2	211405.4	229512.5	240311.2
2.5°	50691.7	64190.7	83132.1	101643.7	119797.7	140096.1	165069.3	192988.0	217107.1	232940.5	243847.2
0°	51018.2	64657.1	83856.4	102420.2	120648.5	141174.0	166586.9	194940.3	219057.6	233916.2	245005.3
-2.5°	50691.7	64190.7	83132.1	101643.7	119797.7	140096.1	165069.3	192988.0	217107.1	232940.5	243847.2
-5°	49716.4	62798.7	80972.6	99331.7	117268.6	136899.3	160582.6	187242.2	211405.4	229512.5	240311.2
-7.5°	48105.3	60502.7	77417.6	95534.9	113128.7	131688.4	153311.6	178006.5	202349.8	222456.9	234008.0
-10°	45879.0	57336.8	72529.2	90332.1	107480.7	124620.3	143524.7	165796.9	189679.5	209816.6	225759.9
-12.5°	43064.2	53345.4	66386.9	83821.0	100415.0	116416.2	133386.7	152442.3	173014.2	193727.1	209816.6
-15°	39737.2	49142.7	60696.7	75851.7	91990.6	107351.2	122173.8	137931.5	155501.0	173014.2	189679.5
-17.5°	36051.3	44925.1	54751.0	66766.3	82396.0	97056.8	110900.6	124317.0	137931.5	152442.3	165796.9
-20°	31907.2	40217.8	48788.2	58993.1	71504.9	85681.9	98775.1	110900.6	122173.8	133386.7	143524.7



REPORT NUMBER: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	27792.6	35306.0	43211.8	51203.1	61155.2	73107.0	85681.9	97056.8	107351.2	116416.2	124620.3
-25°	23528.3	30080.1	37386.4	44742.3	52243.3	61155.2	71504.9	82396.0	91990.6	100415.0	107480.7
-27.5°	19270.1	25202.5	31345.3	38087.0	44742.3	51203.1	58993.1	66766.3	75851.7	83821.0	90332.1
-30°	14914.9	20248.7	25765.6	31345.3	37386.4	43211.8	48788.2	54751.0	60696.7	66386.9	72529.2
-32.5°	10830.3	15391.6	20248.7	25202.5	30080.1	35306.0	40217.8	44925.1	49142.7	53345.4	57336.8
-35°	7301.0	10830.3	14914.9	19270.1	23528.3	27792.6	31907.2	36051.3	39737.2	43064.2	45879.0
-37.5°	5956.0	7178.5	10019.7	13600.5	17337.4	20912.0	24439.2	27743.6	30687.2	33626.2	36073.6
-40°	5099.9	5717.5	6813.7	8416.4	11560.1	14496.7	17546.6	20298.0	22809.2	25140.1	27076.8
-42.5°	4546.6	4948.1	5395.7	6214.1	7120.2	8767.7	11247.3	13478.9	15603.9	17535.1	19136.7
-45°	4260.3	4458.2	4698.2	5092.0	5459.5	6170.4	6880.7	7518.6	9160.2	10719.2	12010.0
-47.5°	3805.9	4122.0	4327.5	4491.8	4696.1	5010.7	5297.0	5607.8	6125.5	6569.1	6936.0
-50°	3283.2	3590.5	3868.5	4129.2	4298.6	4429.0	4547.5	4715.7	4923.4	5101.1	5247.9
-52.5°	2734.8	3022.4	3296.5	3549.8	3773.6	3979.3	4165.9	4275.9	4361.4	4434.5	4494.8
-55°	2237.8	2476.4	2701.1	2930.5	3149.6	3350.7	3530.9	3683.9	3817.8	3932.2	4026.5
-57.5°	1795.8	1978.5	2160.5	2353.3	2531.8	2695.4	2854.2	3002.8	3132.8	3243.8	3335.1
-60°	1401.7	1541.5	1696.5	1843.0	1978.5	2103.1	2237.8	2357.9	2462.9	2552.4	2626.0
-62.5°	1053.9	1171.1	1290.5	1401.7	1504.4	1607.4	1708.9	1799.3	1878.2	1945.4	2000.7
-65°	764.6	856.6	942.9	1023.2	1098.1	1182.7	1259.0	1326.8	1386.1	1436.5	1478.0
-67.5°	529.1	593.2	653.3	709.2	770.3	830.7	885.2	933.6	975.9	1011.9	1041.4
-70°	346.5	384.6	420.3	459.5	504.9	546.4	583.8	617.1	646.1	670.7	691.0
-72.5°	213.1	233.8	256.0	284.9	311.4	335.7	357.5	376.9	393.8	408.2	420.0
-75°	121.8	133.5	150.1	165.5	179.7	192.6	204.2	214.5	223.5	231.2	237.5
-77.5°	71.4	79.0	86.1	92.7	98.8	104.3	109.3	113.7	117.5	120.8	123.5
-80°	48.8	51.1	53.3	55.3	57.1	58.8	60.3	61.7	62.8	63.8	64.6
-82.5°	31.7	33.1	34.4	35.7	36.8	37.9	38.8	39.7	40.4	41.0	41.5
-85°	17.0	17.7	18.5	19.1	19.7	20.3	20.8	21.2	21.6	21.9	22.2
-87.5°	5.7	5.8	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.7	6.8
-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: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-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°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.6
85°	22.4	22.6	22.7	22.7	22.7	22.6	22.4	22.2	21.9	21.6	21.2
82.5°	41.9	42.2	42.3	42.4	42.3	42.2	41.9	41.5	41.0	40.4	39.7
80°	65.3	65.7	66.0	66.1	66.0	65.7	65.3	64.6	63.8	62.8	61.7
77.5°	125.6	127.1	128.0	128.3	128.0	127.1	125.6	123.5	120.8	117.5	113.7
75°	242.4	245.9	248.0	248.7	248.0	245.9	242.4	237.5	231.2	223.5	214.5
72.5°	429.2	435.8	439.8	441.1	439.8	435.8	429.2	420.0	408.2	393.8	376.9
70°	706.8	718.1	724.9	727.2	724.9	718.1	706.8	691.0	670.7	646.1	617.1
67.5°	1064.5	1081.0	1091.0	1094.3	1091.0	1081.0	1064.5	1041.4	1011.9	975.9	933.6
65°	1510.4	1533.6	1547.5	1552.2	1547.5	1533.6	1510.4	1478.0	1436.5	1386.1	1326.8
62.5°	2044.0	2075.0	2093.6	2099.8	2093.6	2075.0	2044.0	2000.7	1945.4	1878.2	1799.3
60°	2683.6	2724.9	2749.7	2758.0	2749.7	2724.9	2683.6	2626.0	2552.4	2462.9	2357.9
57.5°	3406.6	3457.9	3488.7	3499.0	3488.7	3457.9	3406.6	3335.1	3243.8	3132.8	3002.8
55°	4100.2	4153.2	4185.1	4195.7	4185.1	4153.2	4100.2	4026.5	3932.2	3817.8	3683.9
52.5°	4542.0	4576.0	4596.4	4603.2	4596.4	4576.0	4542.0	4494.8	4434.5	4361.4	4275.9
50°	5362.9	5445.6	5495.4	5512.0	5495.4	5445.6	5362.9	5247.9	5101.1	4923.4	4715.7
47.5°	7223.7	7430.6	7555.3	7597.0	7555.3	7430.6	7223.7	6936.0	6569.1	6125.5	5607.8
45°	13023.9	13753.5	14193.5	14340.5	14193.5	13753.5	13023.9	12010.0	10719.2	9160.2	7518.6
42.5°	20396.2	21303.6	21851.2	22034.2	21851.2	21303.6	20396.2	19136.7	17535.1	15603.9	13478.9
40°	28602.3	29702.6	30367.1	30589.4	30367.1	29702.6	28602.3	27076.8	25140.1	22809.2	20298.0
37.5°	38005.1	39400.3	40243.8	40526.0	40243.8	39400.3	38005.1	36073.6	33626.2	30687.2	27743.6
35°	48105.3	49716.4	50691.7	51018.2	50691.7	49716.4	48105.3	45879.0	43064.2	39737.2	36051.3
32.5°	60502.7	62798.7	64190.7	64657.1	64190.7	62798.7	60502.7	57336.8	53345.4	49142.7	44925.1
30°	77417.6	80972.6	83132.1	83856.4	83132.1	80972.6	77417.6	72529.2	66386.9	60696.7	54751.0
27.5°	95534.9	99331.7	101643.7	102420.2	101643.7	99331.7	95534.9	90332.1	83821.0	75851.7	66766.3
25°	113128.7	117268.6	119797.7	120648.5	119797.7	117268.6	113128.7	107480.7	100415.0	91990.6	82396.0
22.5°	131688.4	136899.3	140096.1	141174.0	140096.1	136899.3	131688.4	124620.3	116416.2	107351.2	97056.8
20°	153311.6	160582.6	165069.3	166586.9	165069.3	160582.6	153311.6	143524.7	133386.7	122173.8	110900.6
17.5°	178006.5	187242.2	192988.0	194940.3	192988.0	187242.2	178006.5	165796.9	152442.3	137931.5	124317.0
15°	202349.8	211405.4	217107.1	219057.6	217107.1	211405.4	202349.8	189679.5	173014.2	155501.0	137931.5
12.5°	222456.9	229512.5	232940.5	233916.2	232940.5	229512.5	222456.9	209816.6	193727.1	173014.2	152442.3
10°	234008.0	240311.2	243847.2	245005.3	243847.2	240311.2	234008.0	225759.9	209816.6	189679.5	165796.9
7.5°	242757.3	247484.0	250517.5	251560.9	250517.5	247484.0	242757.3	234008.0	222456.9	202349.8	178006.5
5°	247484.0	252681.8	255901.4	257087.1	255901.4	252681.8	247484.0	240311.2	229512.5	211405.4	187242.2
2.5°	250517.5	255901.4	258323.8	258723.2	258323.8	255901.4	250517.5	243847.2	232940.5	217107.1	192988.0
0°	251560.9	257087.1	258723.2	259032.0	258723.2	257087.1	251560.9	245005.3	233916.2	219057.6	194940.3
-2.5°	250517.5	255901.4	258323.8	258723.2	258323.8	255901.4	250517.5	243847.2	232940.5	217107.1	192988.0
-5°	247484.0	252681.8	255901.4	257087.1	255901.4	252681.8	247484.0	240311.2	229512.5	211405.4	187242.2
-7.5°	242757.3	247484.0	250517.5	251560.9	250517.5	247484.0	242757.3	234008.0	222456.9	202349.8	178006.5
-10°	234008.0	240311.2	243847.2	245005.3	243847.2	240311.2	234008.0	225759.9	209816.6	189679.5	165796.9
-12.5°	222456.9	229512.5	232940.5	233916.2	232940.5	229512.5	222456.9	209816.6	193727.1	173014.2	152442.3
-15°	202349.8	211405.4	217107.1	219057.6	217107.1	211405.4	202349.8	189679.5	173014.2	155501.0	137931.5
-17.5°	178006.5	187242.2	192988.0	194940.3	192988.0	187242.2	178006.5	165796.9	152442.3	137931.5	124317.0
-20°	153311.6	160582.6	165069.3	166586.9	165069.3	160582.6	153311.6	143524.7	133386.7	122173.8	110900.6



REPORT NUMBER: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	131688.4	136899.3	140096.1	141174.0	140096.1	136899.3	131688.4	124620.3	116416.2	107351.2	97056.8
-25°	113128.7	117268.6	119797.7	120648.5	119797.7	117268.6	113128.7	107480.7	100415.0	91990.6	82396.0
-27.5°	95534.9	99331.7	101643.7	102420.2	101643.7	99331.7	95534.9	90332.1	83821.0	75851.7	66766.3
-30°	77417.6	80972.6	83132.1	83856.4	83132.1	80972.6	77417.6	72529.2	66386.9	60696.7	54751.0
-32.5°	60502.7	62798.7	64190.7	64657.1	64190.7	62798.7	60502.7	57336.8	53345.4	49142.7	44925.1
-35°	48105.3	49716.4	50691.7	51018.2	50691.7	49716.4	48105.3	45879.0	43064.2	39737.2	36051.3
-37.5°	38005.1	39400.3	40243.8	40526.0	40243.8	39400.3	38005.1	36073.6	33626.2	30687.2	27743.6
-40°	28602.3	29702.6	30367.1	30589.4	30367.1	29702.6	28602.3	27076.8	25140.1	22809.2	20298.0
-42.5°	20396.2	21303.6	21851.2	22034.2	21851.2	21303.6	20396.2	19136.7	17535.1	15603.9	13478.9
-45°	13023.9	13753.5	14193.5	14340.5	14193.5	13753.5	13023.9	12010.0	10719.2	9160.2	7518.6
-47.5°	7223.7	7430.6	7555.3	7597.0	7555.3	7430.6	7223.7	6936.0	6569.1	6125.5	5607.8
-50°	5362.9	5445.6	5495.4	5512.0	5495.4	5445.6	5362.9	5247.9	5101.1	4923.4	4715.7
-52.5°	4542.0	4576.0	4596.4	4603.2	4596.4	4576.0	4542.0	4494.8	4434.5	4361.4	4275.9
-55°	4100.2	4153.2	4185.1	4195.7	4185.1	4153.2	4100.2	4026.5	3932.2	3817.8	3683.9
-57.5°	3406.6	3457.9	3488.7	3499.0	3488.7	3457.9	3406.6	3335.1	3243.8	3132.8	3002.8
-60°	2683.6	2724.9	2749.7	2758.0	2749.7	2724.9	2683.6	2626.0	2552.4	2462.9	2357.9
-62.5°	2044.0	2075.0	2093.6	2099.8	2093.6	2075.0	2044.0	2000.7	1945.4	1878.2	1799.3
-65°	1510.4	1533.6	1547.5	1552.2	1547.5	1533.6	1510.4	1478.0	1436.5	1386.1	1326.8
-67.5°	1064.5	1081.0	1091.0	1094.3	1091.0	1081.0	1064.5	1041.4	1011.9	975.9	933.6
-70°	706.8	718.1	724.9	727.2	724.9	718.1	706.8	691.0	670.7	646.1	617.1
-72.5°	429.2	435.8	439.8	441.1	439.8	435.8	429.2	420.0	408.2	393.8	376.9
-75°	242.4	245.9	248.0	248.7	248.0	245.9	242.4	237.5	231.2	223.5	214.5
-77.5°	125.6	127.1	128.0	128.3	128.0	127.1	125.6	123.5	120.8	117.5	113.7
-80°	65.3	65.7	66.0	66.1	66.0	65.7	65.3	64.6	63.8	62.8	61.7
-82.5°	41.9	42.2	42.3	42.4	42.3	42.2	41.9	41.5	41.0	40.4	39.7
-85°	22.4	22.6	22.7	22.7	22.7	22.6	22.4	22.2	21.9	21.6	21.2
-87.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.7	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



REPORT NUMBER: P1306485 (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°	6.5	6.4	6.3	6.1	6.0	5.8	5.7	5.5	5.3	5.1	4.9
85°	20.8	20.3	19.7	19.1	18.5	17.7	17.0	16.2	15.3	14.4	13.4
82.5°	38.8	37.9	36.8	35.7	34.4	33.1	31.7	30.1	28.5	26.8	25.0
80°	60.3	58.8	57.1	55.3	53.3	51.1	48.8	46.4	43.8	41.3	38.9
77.5°	109.3	104.3	98.8	92.7	86.1	79.0	71.4	65.0	61.8	58.3	54.8
75°	204.2	192.6	179.7	165.5	150.1	133.5	121.8	112.1	101.8	91.0	79.7
72.5°	357.5	335.7	311.4	284.9	256.0	233.8	213.1	191.0	167.7	143.2	122.7
70°	583.8	546.4	504.9	459.5	420.3	384.6	346.5	306.0	263.2	229.7	200.3
67.5°	885.2	830.7	770.3	709.2	653.3	593.2	529.1	461.0	406.2	355.5	302.6
65°	1259.0	1182.7	1098.1	1023.2	942.9	856.6	764.6	680.3	600.1	516.0	432.5
62.5°	1708.9	1607.4	1504.4	1401.7	1290.5	1171.1	1053.9	945.9	832.2	716.2	619.3
60°	2237.8	2103.1	1978.5	1843.0	1696.5	1541.5	1401.7	1253.8	1098.1	966.8	830.7
57.5°	2854.2	2695.4	2531.8	2353.3	2160.5	1978.5	1795.8	1602.8	1424.9	1247.6	1069.2
55°	3530.9	3350.7	3149.6	2930.5	2701.1	2476.4	2237.8	2005.2	1785.4	1555.9	1355.8
52.5°	4165.9	3979.3	3773.6	3549.8	3296.5	3022.4	2734.8	2462.9	2178.0	1917.6	1661.0
50°	4547.5	4429.0	4298.6	4129.2	3868.5	3590.5	3283.2	2953.9	2626.0	2307.4	1997.7
47.5°	5297.0	5010.7	4696.1	4491.8	4327.5	4122.0	3805.9	3472.5	3103.9	2724.9	2372.6
45°	6880.7	6170.4	5459.5	5092.0	4698.2	4458.2	4260.3	3951.6	3582.0	3179.4	2758.0
42.5°	11247.3	8767.7	7120.2	6214.1	5395.7	4948.1	4546.6	4325.7	4025.0	3618.1	3179.4
40°	17546.6	14496.7	11560.1	8416.4	6813.7	5717.5	5099.9	4591.2	4347.6	4025.0	3582.0
37.5°	24439.2	20912.0	17337.4	13600.5	10019.7	7178.5	5956.0	5150.9	4591.2	4325.7	3951.6
35°	31907.2	27792.6	23528.3	19270.1	14914.9	10830.3	7301.0	5956.0	5099.9	4546.6	4260.3
32.5°	40217.8	35306.0	30080.1	25202.5	20248.7	15391.6	10830.3	7178.5	5717.5	4948.1	4458.2
30°	48788.2	43211.8	37386.4	31345.3	25765.6	20248.7	14914.9	10019.7	6813.7	5395.7	4698.2
27.5°	58993.1	51203.1	44742.3	38087.0	31345.3	25202.5	19270.1	13600.5	8416.4	6214.1	5092.0
25°	71504.9	61155.2	52243.3	44742.3	37386.4	30080.1	23528.3	17337.4	11560.1	7120.2	5459.5
22.5°	85681.9	73107.0	61155.2	51203.1	43211.8	35306.0	27792.6	20912.0	14496.7	8767.7	6170.4
20°	98775.1	85681.9	71504.9	58993.1	48788.2	40217.8	31907.2	24439.2	17546.6	11247.3	6880.7
17.5°	110900.6	97056.8	82396.0	66766.3	54751.0	44925.1	36051.3	27743.6	20298.0	13478.9	7518.6
15°	122173.8	107351.2	91990.6	75851.7	60696.7	49142.7	39737.2	30687.2	22809.2	15603.9	9160.2
12.5°	133386.7	116416.2	100415.0	83821.0	66386.9	53345.4	43064.2	33626.2	25140.1	17535.1	10719.2
10°	143524.7	124620.3	107480.7	90332.1	72529.2	57336.8	45879.0	36073.6	27076.8	19136.7	12010.0
7.5°	153311.6	131688.4	113128.7	95534.9	77417.6	60502.7	48105.3	38005.1	28602.3	20396.2	13023.9
5°	160582.6	136899.3	117268.6	99331.7	80972.6	62798.7	49716.4	39400.3	29702.6	21303.6	13753.5
2.5°	165069.3	140096.1	119797.7	101643.7	83132.1	64190.7	50691.7	40243.8	30367.1	21851.2	14193.5
0°	166586.9	141174.0	120648.5	102420.2	83856.4	64657.1	51018.2	40526.0	30589.4	22034.2	14340.5
-2.5°	165069.3	140096.1	119797.7	101643.7	83132.1	64190.7	50691.7	40243.8	30367.1	21851.2	14193.5
-5°	160582.6	136899.3	117268.6	99331.7	80972.6	62798.7	49716.4	39400.3	29702.6	21303.6	13753.5
-7.5°	153311.6	131688.4	113128.7	95534.9	77417.6	60502.7	48105.3	38005.1	28602.3	20396.2	13023.9
-10°	143524.7	124620.3	107480.7	90332.1	72529.2	57336.8	45879.0	36073.6	27076.8	19136.7	12010.0
-12.5°	133386.7	116416.2	100415.0	83821.0	66386.9	53345.4	43064.2	33626.2	25140.1	17535.1	10719.2
-15°	122173.8	107351.2	91990.6	75851.7	60696.7	49142.7	39737.2	30687.2	22809.2	15603.9	9160.2
-17.5°	110900.6	97056.8	82396.0	66766.3	54751.0	44925.1	36051.3	27743.6	20298.0	13478.9	7518.6
-20°	98775.1	85681.9	71504.9	58993.1	48788.2	40217.8	31907.2	24439.2	17546.6	11247.3	6880.7



REPORT NUMBER: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	85681.9	73107.0	61155.2	51203.1	43211.8	35306.0	27792.6	20912.0	14496.7	8767.7	6170.4
-25°	71504.9	61155.2	52243.3	44742.3	37386.4	30080.1	23528.3	17337.4	11560.1	7120.2	5459.5
-27.5°	58993.1	51203.1	44742.3	38087.0	31345.3	25202.5	19270.1	13600.5	8416.4	6214.1	5092.0
-30°	48788.2	43211.8	37386.4	31345.3	25765.6	20248.7	14914.9	10019.7	6813.7	5395.7	4698.2
-32.5°	40217.8	35306.0	30080.1	25202.5	20248.7	15391.6	10830.3	7178.5	5717.5	4948.1	4458.2
-35°	31907.2	27792.6	23528.3	19270.1	14914.9	10830.3	7301.0	5956.0	5099.9	4546.6	4260.3
-37.5°	24439.2	20912.0	17337.4	13600.5	10019.7	7178.5	5956.0	5150.9	4591.2	4325.7	3951.6
-40°	17546.6	14496.7	11560.1	8416.4	6813.7	5717.5	5099.9	4591.2	4347.6	4025.0	3582.0
-42.5°	11247.3	8767.7	7120.2	6214.1	5395.7	4948.1	4546.6	4325.7	4025.0	3618.1	3179.4
-45°	6880.7	6170.4	5459.5	5092.0	4698.2	4458.2	4260.3	3951.6	3582.0	3179.4	2758.0
-47.5°	5297.0	5010.7	4696.1	4491.8	4327.5	4122.0	3805.9	3472.5	3103.9	2724.9	2372.6
-50°	4547.5	4429.0	4298.6	4129.2	3868.5	3590.5	3283.2	2953.9	2626.0	2307.4	1997.7
-52.5°	4165.9	3979.3	3773.6	3549.8	3296.5	3022.4	2734.8	2462.9	2178.0	1917.6	1661.0
-55°	3530.9	3350.7	3149.6	2930.5	2701.1	2476.4	2237.8	2005.2	1785.4	1555.9	1355.8
-57.5°	2854.2	2695.4	2531.8	2353.3	2160.5	1978.5	1795.8	1602.8	1424.9	1247.6	1069.2
-60°	2237.8	2103.1	1978.5	1843.0	1696.5	1541.5	1401.7	1253.8	1098.1	966.8	830.7
-62.5°	1708.9	1607.4	1504.4	1401.7	1290.5	1171.1	1053.9	945.9	832.2	716.2	619.3
-65°	1259.0	1182.7	1098.1	1023.2	942.9	856.6	764.6	680.3	600.1	516.0	432.5
-67.5°	885.2	830.7	770.3	709.2	653.3	593.2	529.1	461.0	406.2	355.5	302.6
-70°	583.8	546.4	504.9	459.5	420.3	384.6	346.5	306.0	263.2	229.7	200.3
-72.5°	357.5	335.7	311.4	284.9	256.0	233.8	213.1	191.0	167.7	143.2	122.7
-75°	204.2	192.6	179.7	165.5	150.1	133.5	121.8	112.1	101.8	91.0	79.7
-77.5°	109.3	104.3	98.8	92.7	86.1	79.0	71.4	65.0	61.8	58.3	54.8
-80°	60.3	58.8	57.1	55.3	53.3	51.1	48.8	46.4	43.8	41.3	38.9
-82.5°	38.8	37.9	36.8	35.7	34.4	33.1	31.7	30.1	28.5	26.8	25.0
-85°	20.8	20.3	19.7	19.1	18.5	17.7	17.0	16.2	15.3	14.4	13.4
-87.5°	6.5	6.4	6.3	6.1	6.0	5.8	5.7	5.5	5.3	5.1	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: P1306485 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-57-70-5S-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°	4.7	4.4	4.2	4.0	3.7	3.4	3.2	2.9	2.6	2.4	2.1
85°	12.4	11.4	10.3	9.2	8.1	6.9	6.4	5.8	5.3	4.7	4.1
82.5°	23.2	21.5	19.9	18.2	16.5	14.7	12.9	11.1	9.2	7.3	6.2
80°	36.4	33.8	31.1	28.3	25.5	22.6	20.2	17.7	15.2	12.6	10.0
77.5°	51.0	47.1	43.1	39.5	35.9	32.3	28.5	24.7	21.1	17.9	14.7
75°	67.8	62.1	57.2	52.2	47.1	41.9	37.4	32.8	28.1	23.3	19.3
72.5°	108.9	94.6	79.7	65.5	59.4	53.3	47.0	40.8	35.4	29.8	24.2
70°	169.7	137.9	116.3	98.8	80.8	64.6	57.4	50.1	42.6	36.2	29.8
67.5°	247.9	212.1	175.1	136.9	112.5	91.8	70.5	59.5	51.1	42.6	35.4
65°	371.0	307.4	244.3	201.9	158.4	120.8	97.3	73.3	59.5	50.1	40.8
62.5°	518.6	423.1	350.7	276.2	218.1	169.2	123.6	97.3	70.5	57.4	47.0
60°	697.7	583.8	466.4	376.9	293.6	223.5	169.2	120.8	91.8	64.6	53.3
57.5°	915.8	757.2	623.3	492.6	385.7	293.6	218.1	158.4	112.5	80.8	59.4
55°	1149.1	967.2	791.3	636.5	492.6	376.9	276.2	201.9	136.9	98.8	65.5
52.5°	1421.2	1192.4	984.5	791.3	623.3	466.4	350.7	244.3	175.1	116.3	79.7
50°	1713.9	1443.1	1192.4	967.2	757.2	583.8	423.1	307.4	212.1	137.9	94.6
47.5°	2024.6	1713.9	1421.2	1149.1	915.8	697.7	518.6	371.0	247.9	169.7	108.9
45°	2372.6	1997.7	1661.0	1355.8	1069.2	830.7	619.3	432.5	302.6	200.3	122.7
42.5°	2724.9	2307.4	1917.6	1555.9	1247.6	966.8	716.2	516.0	355.5	229.7	143.2
40°	3103.9	2626.0	2178.0	1785.4	1424.9	1098.1	832.2	600.1	406.2	263.2	167.7
37.5°	3472.5	2953.9	2462.9	2005.2	1602.8	1253.8	945.9	680.3	461.0	306.0	191.0
35°	3805.9	3283.2	2734.8	2237.8	1795.8	1401.7	1053.9	764.6	529.1	346.5	213.1
32.5°	4122.0	3590.5	3022.4	2476.4	1978.5	1541.5	1171.1	856.6	593.2	384.6	233.8
30°	4327.5	3868.5	3296.5	2701.1	2160.5	1696.5	1290.5	942.9	653.3	420.3	256.0
27.5°	4491.8	4129.2	3549.8	2930.5	2353.3	1843.0	1401.7	1023.2	709.2	459.5	284.9
25°	4696.1	4298.6	3773.6	3149.6	2531.8	1978.5	1504.4	1098.1	770.3	504.9	311.4
22.5°	5010.7	4429.0	3979.3	3350.7	2695.4	2103.1	1607.4	1182.7	830.7	546.4	335.7
20°	5297.0	4547.5	4165.9	3530.9	2854.2	2237.8	1708.9	1259.0	885.2	583.8	357.5
17.5°	5607.8	4715.7	4275.9	3683.9	3002.8	2357.9	1799.3	1326.8	933.6	617.1	376.9
15°	6125.5	4923.4	4361.4	3817.8	3132.8	2462.9	1878.2	1386.1	975.9	646.1	393.8
12.5°	6569.1	5101.1	4434.5	3932.2	3243.8	2552.4	1945.4	1436.5	1011.9	670.7	408.2
10°	6936.0	5247.9	4494.8	4026.5	3335.1	2626.0	2000.7	1478.0	1041.4	691.0	420.0
7.5°	7223.7	5362.9	4542.0	4100.2	3406.6	2683.6	2044.0	1510.4	1064.5	706.8	429.2
5°	7430.6	5445.6	4576.0	4153.2	3457.9	2724.9	2075.0	1533.6	1081.0	718.1	435.8
2.5°	7555.3	5495.4	4596.4	4185.1	3488.7	2749.7	2093.6	1547.5	1091.0	724.9	439.8
0°	7597.0	5512.0	4603.2	4195.7	3499.0	2758.0	2099.8	1552.2	1094.3	727.2	441.1
-2.5°	7555.3	5495.4	4596.4	4185.1	3488.7	2749.7	2093.6	1547.5	1091.0	724.9	439.8
-5°	7430.6	5445.6	4576.0	4153.2	3457.9	2724.9	2075.0	1533.6	1081.0	718.1	435.8
-7.5°	7223.7	5362.9	4542.0	4100.2	3406.6	2683.6	2044.0	1510.4	1064.5	706.8	429.2
-10°	6936.0	5247.9	4494.8	4026.5	3335.1	2626.0	2000.7	1478.0	1041.4	691.0	420.0
-12.5°	6569.1	5101.1	4434.5	3932.2	3243.8	2552.4	1945.4	1436.5	1011.9	670.7	408.2
-15°	6125.5	4923.4	4361.4	3817.8	3132.8	2462.9	1878.2	1386.1	975.9	646.1	393.8
-17.5°	5607.8	4715.7	4275.9	3683.9	3002.8	2357.9	1799.3	1326.8	933.6	617.1	376.9
-20°	5297.0	4547.5	4165.9	3530.9	2854.2	2237.8	1708.9	1259.0	885.2	583.8	357.5



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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°	5010.7	4429.0	3979.3	3350.7	2695.4	2103.1	1607.4	1182.7	830.7	546.4	335.7
-25°	4696.1	4298.6	3773.6	3149.6	2531.8	1978.5	1504.4	1098.1	770.3	504.9	311.4
-27.5°	4491.8	4129.2	3549.8	2930.5	2353.3	1843.0	1401.7	1023.2	709.2	459.5	284.9
-30°	4327.5	3868.5	3296.5	2701.1	2160.5	1696.5	1290.5	942.9	653.3	420.3	256.0
-32.5°	4122.0	3590.5	3022.4	2476.4	1978.5	1541.5	1171.1	856.6	593.2	384.6	233.8
-35°	3805.9	3283.2	2734.8	2237.8	1795.8	1401.7	1053.9	764.6	529.1	346.5	213.1
-37.5°	3472.5	2953.9	2462.9	2005.2	1602.8	1253.8	945.9	680.3	461.0	306.0	191.0
-40°	3103.9	2626.0	2178.0	1785.4	1424.9	1098.1	832.2	600.1	406.2	263.2	167.7
-42.5°	2724.9	2307.4	1917.6	1555.9	1247.6	966.8	716.2	516.0	355.5	229.7	143.2
-45°	2372.6	1997.7	1661.0	1355.8	1069.2	830.7	619.3	432.5	302.6	200.3	122.7
-47.5°	2024.6	1713.9	1421.2	1149.1	915.8	697.7	518.6	371.0	247.9	169.7	108.9
-50°	1713.9	1443.1	1192.4	967.2	757.2	583.8	423.1	307.4	212.1	137.9	94.6
-52.5°	1421.2	1192.4	984.5	791.3	623.3	466.4	350.7	244.3	175.1	116.3	79.7
-55°	1149.1	967.2	791.3	636.5	492.6	376.9	276.2	201.9	136.9	98.8	65.5
-57.5°	915.8	757.2	623.3	492.6	385.7	293.6	218.1	158.4	112.5	80.8	59.4
-60°	697.7	583.8	466.4	376.9	293.6	223.5	169.2	120.8	91.8	64.6	53.3
-62.5°	518.6	423.1	350.7	276.2	218.1	169.2	123.6	97.3	70.5	57.4	47.0
-65°	371.0	307.4	244.3	201.9	158.4	120.8	97.3	73.3	59.5	50.1	40.8
-67.5°	247.9	212.1	175.1	136.9	112.5	91.8	70.5	59.5	51.1	42.6	35.4
-70°	169.7	137.9	116.3	98.8	80.8	64.6	57.4	50.1	42.6	36.2	29.8
-72.5°	108.9	94.6	79.7	65.5	59.4	53.3	47.0	40.8	35.4	29.8	24.2
-75°	67.8	62.1	57.2	52.2	47.1	41.9	37.4	32.8	28.1	23.3	19.3
-77.5°	51.0	47.1	43.1	39.5	35.9	32.3	28.5	24.7	21.1	17.9	14.7
-80°	36.4	33.8	31.1	28.3	25.5	22.6	20.2	17.7	15.2	12.6	10.0
-82.5°	23.2	21.5	19.9	18.2	16.5	14.7	12.9	11.1	9.2	7.3	6.2
-85°	12.4	11.4	10.3	9.2	8.1	6.9	6.4	5.8	5.3	4.7	4.1
-87.5°	4.7	4.4	4.2	4.0	3.7	3.4	3.2	2.9	2.6	2.4	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.4	5.9	4.8	3.6	2.4	1.2	0.0
77.5°	11.4	8.1	5.9	4.5	3.0	1.5	0.0
75°	15.4	11.4	7.4	5.3	3.6	1.8	0.0
72.5°	19.3	14.7	10.0	6.2	4.1	2.1	0.0
70°	23.3	17.9	12.6	7.3	4.7	2.4	0.0
67.5°	28.1	21.1	15.2	9.2	5.3	2.6	0.0
65°	32.8	24.7	17.7	11.1	5.8	2.9	0.0
62.5°	37.4	28.5	20.2	12.9	6.4	3.2	0.0
60°	41.9	32.3	22.6	14.7	6.9	3.4	0.0
57.5°	47.1	35.9	25.5	16.5	8.1	3.7	0.0
55°	52.2	39.5	28.3	18.2	9.2	4.0	0.0
52.5°	57.2	43.1	31.1	19.9	10.3	4.2	0.0
50°	62.1	47.1	33.8	21.5	11.4	4.4	0.0
47.5°	67.8	51.0	36.4	23.2	12.4	4.7	0.0
45°	79.7	54.8	38.9	25.0	13.4	4.9	0.0
42.5°	91.0	58.3	41.3	26.8	14.4	5.1	0.0
40°	101.8	61.8	43.8	28.5	15.3	5.3	0.0
37.5°	112.1	65.0	46.4	30.1	16.2	5.5	0.0
35°	121.8	71.4	48.8	31.7	17.0	5.7	0.0
32.5°	133.5	79.0	51.1	33.1	17.7	5.8	0.0
30°	150.1	86.1	53.3	34.4	18.5	6.0	0.0
27.5°	165.5	92.7	55.3	35.7	19.1	6.1	0.0
25°	179.7	98.8	57.1	36.8	19.7	6.3	0.0
22.5°	192.6	104.3	58.8	37.9	20.3	6.4	0.0
20°	204.2	109.3	60.3	38.8	20.8	6.5	0.0
17.5°	214.5	113.7	61.7	39.7	21.2	6.6	0.0
15°	223.5	117.5	62.8	40.4	21.6	6.7	0.0
12.5°	231.2	120.8	63.8	41.0	21.9	6.7	0.0
10°	237.5	123.5	64.6	41.5	22.2	6.8	0.0
7.5°	242.4	125.6	65.3	41.9	22.4	6.8	0.0
5°	245.9	127.1	65.7	42.2	22.6	6.9	0.0
2.5°	248.0	128.0	66.0	42.3	22.7	6.9	0.0
0°	248.7	128.3	66.1	42.4	22.7	6.9	0.0
-2.5°	248.0	128.0	66.0	42.3	22.7	6.9	0.0
-5°	245.9	127.1	65.7	42.2	22.6	6.9	0.0
-7.5°	242.4	125.6	65.3	41.9	22.4	6.8	0.0
-10°	237.5	123.5	64.6	41.5	22.2	6.8	0.0
-12.5°	231.2	120.8	63.8	41.0	21.9	6.7	0.0
-15°	223.5	117.5	62.8	40.4	21.6	6.7	0.0
-17.5°	214.5	113.7	61.7	39.7	21.2	6.6	0.0
-20°	204.2	109.3	60.3	38.8	20.8	6.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	192.6	104.3	58.8	37.9	20.3	6.4	0.0
-25°	179.7	98.8	57.1	36.8	19.7	6.3	0.0
-27.5°	165.5	92.7	55.3	35.7	19.1	6.1	0.0
-30°	150.1	86.1	53.3	34.4	18.5	6.0	0.0
-32.5°	133.5	79.0	51.1	33.1	17.7	5.8	0.0
-35°	121.8	71.4	48.8	31.7	17.0	5.7	0.0
-37.5°	112.1	65.0	46.4	30.1	16.2	5.5	0.0
-40°	101.8	61.8	43.8	28.5	15.3	5.3	0.0
-42.5°	91.0	58.3	41.3	26.8	14.4	5.1	0.0
-45°	79.7	54.8	38.9	25.0	13.4	4.9	0.0
-47.5°	67.8	51.0	36.4	23.2	12.4	4.7	0.0
-50°	62.1	47.1	33.8	21.5	11.4	4.4	0.0
-52.5°	57.2	43.1	31.1	19.9	10.3	4.2	0.0
-55°	52.2	39.5	28.3	18.2	9.2	4.0	0.0
-57.5°	47.1	35.9	25.5	16.5	8.1	3.7	0.0
-60°	41.9	32.3	22.6	14.7	6.9	3.4	0.0
-62.5°	37.4	28.5	20.2	12.9	6.4	3.2	0.0
-65°	32.8	24.7	17.7	11.1	5.8	2.9	0.0
-67.5°	28.1	21.1	15.2	9.2	5.3	2.6	0.0
-70°	23.3	17.9	12.6	7.3	4.7	2.4	0.0
-72.5°	19.3	14.7	10.0	6.2	4.1	2.1	0.0
-75°	15.4	11.4	7.4	5.3	3.6	1.8	0.0
-77.5°	11.4	8.1	5.9	4.5	3.0	1.5	0.0
-80°	7.4	5.9	4.8	3.6	2.4	1.2	0.0
-82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)