

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: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-40-70-1S-A**

Issue Date: 2/3/2026

Test Information

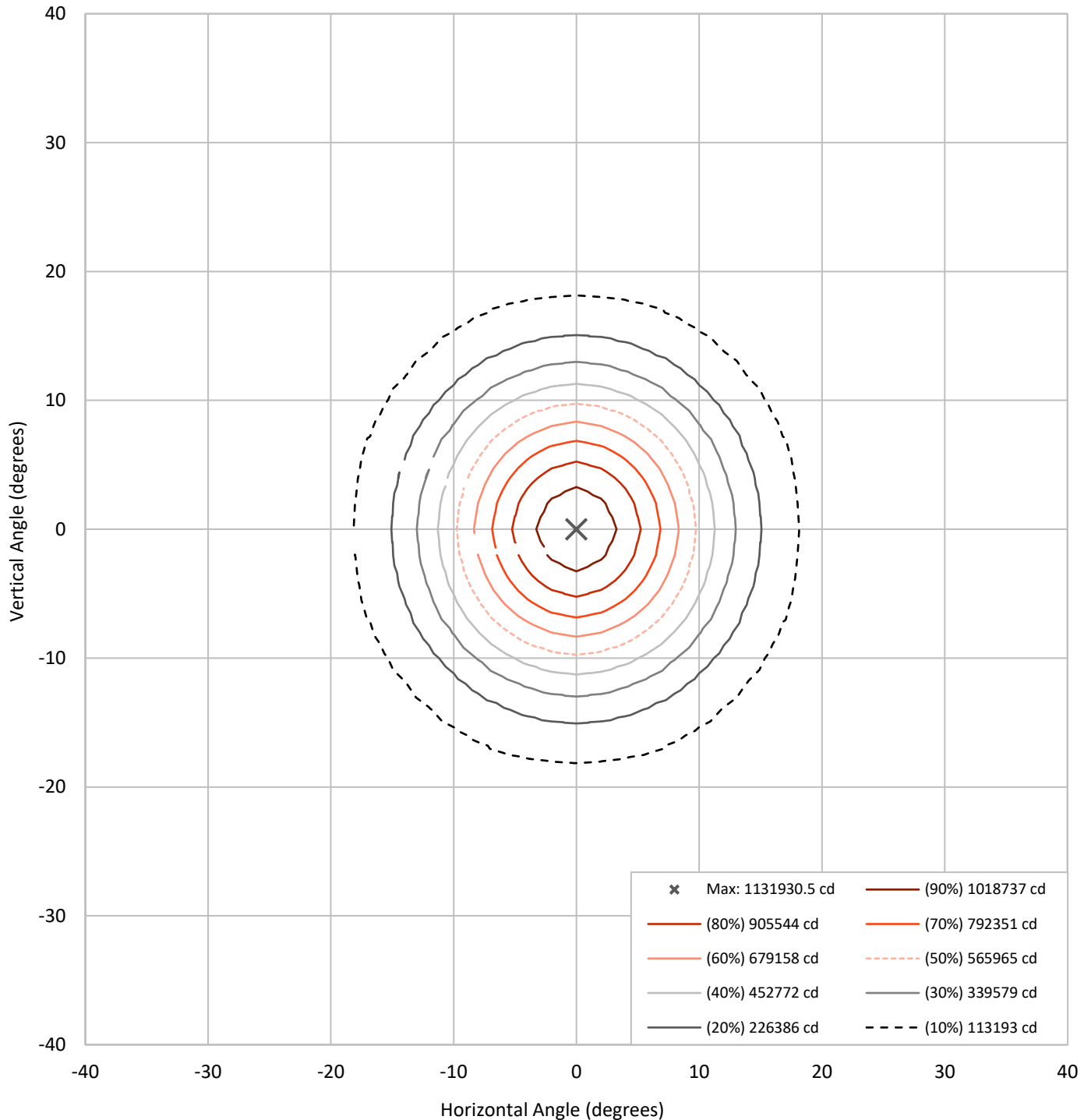
Test Method: LM-79-08
Report Number: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-46)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200L-40-70-1S-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	172279.7 lumens	Max Intensity:	1131930.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	19.5°H x 19.5°V	Field Angle (10%):	36.3°H x 36.3°V
Beam Lumens:	76752 lumens	Field Lumens:	133393.9 lumens
Beam Efficiency:	44.6%	Field Efficiency:	77.4%
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





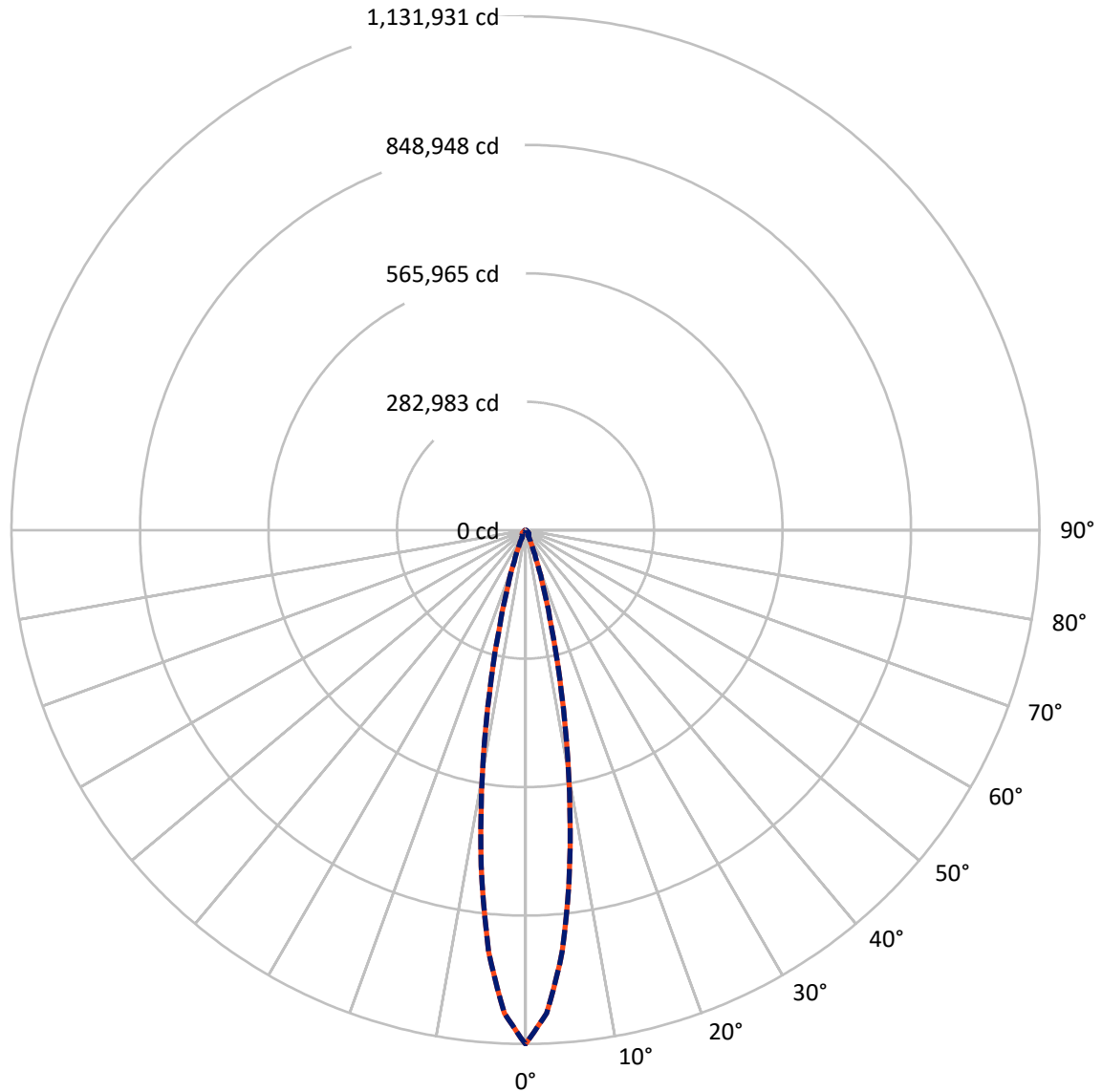
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Lumen Table

90	0.3	2.0		7.4		17.9		23.2		17.9		7.4		2.0		0.3
80	0.3	2.0		7.4		17.9		23.2		17.9		7.4		2.0		0.3
70	0.9	1.1	4.4	12.3	23.7	36.0	46.4	52.1	52.1	46.4	36.0	23.7	12.3	4.4	1.1	0.9
60		3.3	14.0	33.2	57.4	80.3	96.9	105.9	105.9	96.9	80.3	57.4	33.2	14.0	3.3	
50	2.4	7.6	27.1	57.8	90.4	149.9	226.1	268.4	268.4	226.1	149.9	90.4	57.8	27.1	7.6	2.4
40		12.6	40.6	78.2	175.3	291.6	338.1	356.8	356.8	338.1	291.6	175.3	78.2	40.6	12.6	
30	5.2	17.3	51.3	118.2	263.9	327.1	438.0	756.4	756.4	438.0	327.1	263.9	118.2	51.3	17.3	5.2
20		20.9	58.0	167.6	286.9	412.1	1980.9	6294.6	6294.6	1980.9	412.1	286.9	167.6	58.0	20.9	
10	6.4	22.8	61.5	192.5	293.6	695.3	6138.4	21734.0	21734.0	6138.4	695.3	293.6	192.5	61.5	22.8	6.4
0		22.8	61.5	192.5	293.6	695.3	6138.4	21734.0	21734.0	6138.4	695.3	293.6	192.5	61.5	22.8	
-10	5.2	20.9	58.0	167.6	286.9	412.1	1980.9	6294.6	6294.6	1980.9	412.1	286.9	167.6	58.0	20.9	5.2
-20		17.3	51.3	118.2	263.9	327.1	438.0	756.4	756.4	438.0	327.1	263.9	118.2	51.3	17.3	
-30	2.4	12.6	40.6	78.2	175.3	291.6	338.1	356.8	356.8	338.1	291.6	175.3	78.2	40.6	12.6	2.4
-40		7.6	27.1	57.8	90.4	149.9	226.1	268.4	268.4	226.1	149.9	90.4	57.8	27.1	7.6	
-50	0.9	3.3	14.0	33.2	57.4	80.3	96.9	105.9	105.9	96.9	80.3	57.4	33.2	14.0	3.3	0.9
-60		1.1	4.4	12.3	23.7	36.0	46.4	52.1	52.1	46.4	36.0	23.7	12.3	4.4	1.1	
-70	0.3	2.0		7.4		17.9		23.2		17.9		7.4		2.0		0.3
-80		2.0		7.4		17.9		23.2		17.9		7.4		2.0		
-90	0.3	2.0		7.4		17.9		23.2		17.9		7.4		2.0		0.3

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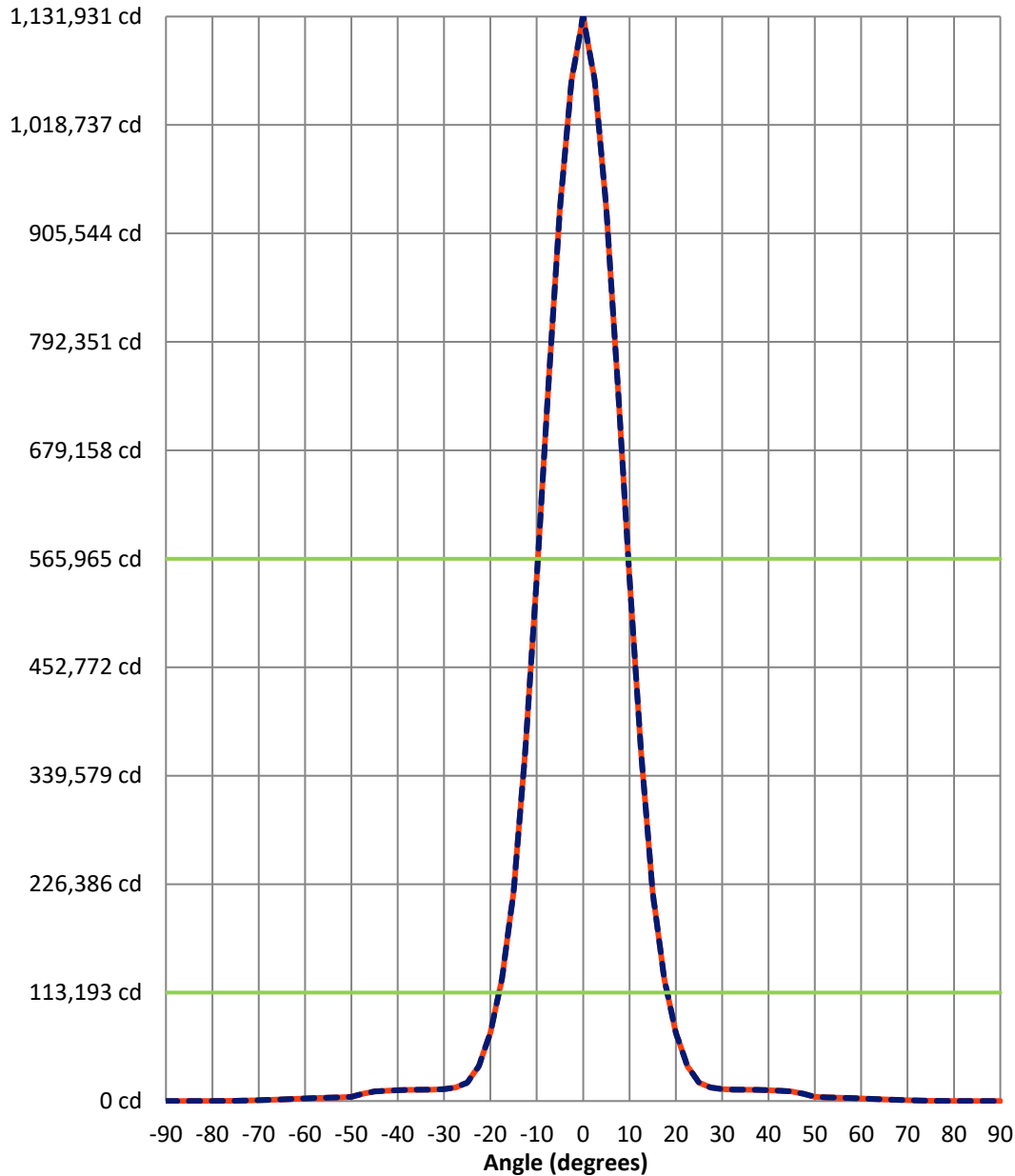
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19.5°
 V Angle: 19.5°
 Lumens: 76752
 Efficiency: 44.6%

Field:
 H Angle: 36.3°
 V Angle: 36.3°
 Lumens: 133393.9
 Efficiency: 77.4%

Spill:
 Lumens: 38885.8
 Efficiency: 22.6%

- 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	8.0
85°	0.0	1.7	3.3	5.0	6.6	8.2	9.8	11.4	13.0	14.5	16.0
82.5°	0.0	2.5	5.0	7.4	9.9	12.3	14.7	17.1	19.2	20.4	21.5
80°	0.0	3.3	6.6	9.9	13.1	16.4	19.3	20.9	22.4	23.9	25.4
77.5°	0.0	4.1	8.2	12.3	16.4	19.7	21.7	23.6	25.6	27.5	30.3
75°	0.0	4.9	9.8	14.7	19.3	21.7	24.0	26.4	29.0	33.6	38.1
72.5°	0.0	5.7	11.4	17.1	20.9	23.6	26.4	29.8	35.3	40.6	45.9
70°	0.0	6.5	13.0	19.2	22.4	25.6	29.0	35.3	41.5	47.6	53.5
67.5°	0.0	7.3	14.5	20.4	23.9	27.5	33.6	40.6	47.6	54.4	61.1
65°	0.0	8.0	16.0	21.5	25.4	30.3	38.1	45.9	53.5	61.1	72.9
62.5°	0.0	8.8	17.5	22.6	26.9	34.0	42.6	51.0	59.4	70.3	94.8
60°	0.0	9.5	19.0	23.7	28.3	37.6	46.9	56.1	65.1	89.8	116.4
57.5°	0.0	10.2	19.7	24.7	31.1	41.2	51.1	61.0	79.7	108.8	163.5
55°	0.0	10.9	20.4	25.7	33.8	44.6	55.2	65.8	96.2	134.8	221.7
52.5°	0.0	11.6	21.0	26.7	36.5	47.9	59.2	78.8	112.2	185.8	278.4
50°	0.0	12.2	21.7	27.7	39.1	51.2	63.1	92.4	136.1	235.3	365.2
47.5°	0.0	12.8	22.3	28.8	41.6	54.3	67.9	105.5	178.6	283.2	453.0
45°	0.0	13.4	22.9	30.6	44.0	57.3	78.7	118.1	219.6	358.6	537.7
42.5°	0.0	14.0	23.5	32.4	46.3	60.1	89.1	143.1	258.9	431.6	636.5
40°	0.0	14.6	24.0	34.0	48.5	62.9	99.0	175.9	304.3	501.5	734.0
37.5°	0.0	15.1	24.5	35.6	50.6	65.4	108.4	207.1	363.3	572.7	826.9
35°	0.0	15.6	25.0	37.0	52.5	71.1	117.3	236.6	419.1	651.6	920.8
32.5°	0.0	16.0	25.4	38.4	54.4	78.1	130.2	264.4	471.7	726.0	1018.3
30°	0.0	16.5	25.9	39.7	56.1	84.6	152.4	294.4	520.9	795.7	1109.6
27.5°	0.0	16.9	26.3	40.9	57.7	90.6	173.0	334.1	570.9	860.5	1194.7
25°	0.0	17.2	26.6	42.0	59.2	96.2	191.9	370.8	623.6	926.9	1273.6
22.5°	0.0	17.6	27.0	43.0	60.5	101.2	209.2	404.2	671.7	990.9	1355.8
20°	0.0	17.9	27.3	43.9	61.7	105.8	224.8	434.3	715.1	1048.5	1430.1
17.5°	0.0	18.1	27.5	44.7	62.8	109.8	238.6	461.1	753.6	1099.8	1496.1
15°	0.0	18.4	27.8	45.4	63.7	113.4	250.6	484.4	787.2	1144.6	1553.7
12.5°	0.0	18.5	28.0	46.0	64.5	116.4	260.9	504.2	815.8	1182.6	1602.8
10°	0.0	18.7	28.1	46.5	65.1	118.8	269.3	520.5	839.3	1213.9	1643.1
7.5°	0.0	18.8	28.2	46.9	65.6	120.7	275.8	533.2	857.6	1238.4	1674.6
5°	0.0	18.9	28.3	47.2	66.0	122.1	280.5	542.3	870.8	1255.9	1697.2
2.5°	0.0	19.0	28.4	47.3	66.2	122.9	283.4	547.8	878.7	1266.4	1710.8
0°	0.0	19.0	28.4	47.4	66.3	123.2	284.3	549.6	881.3	1269.9	1715.3
-2.5°	0.0	19.0	28.4	47.3	66.2	122.9	283.4	547.8	878.7	1266.4	1710.8
-5°	0.0	18.9	28.3	47.2	66.0	122.1	280.5	542.3	870.8	1255.9	1697.2
-7.5°	0.0	18.8	28.2	46.9	65.6	120.7	275.8	533.2	857.6	1238.4	1674.6
-10°	0.0	18.7	28.1	46.5	65.1	118.8	269.3	520.5	839.3	1213.9	1643.1
-12.5°	0.0	18.5	28.0	46.0	64.5	116.4	260.9	504.2	815.8	1182.6	1602.8
-15°	0.0	18.4	27.8	45.4	63.7	113.4	250.6	484.4	787.2	1144.6	1553.7
-17.5°	0.0	18.1	27.5	44.7	62.8	109.8	238.6	461.1	753.6	1099.8	1496.1
-20°	0.0	17.9	27.3	43.9	61.7	105.8	224.8	434.3	715.1	1048.5	1430.1



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 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-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	27.0	43.0	60.5	101.2	209.2	404.2	671.7	990.9	1355.8
-25°	0.0	17.2	26.6	42.0	59.2	96.2	191.9	370.8	623.6	926.9	1273.6
-27.5°	0.0	16.9	26.3	40.9	57.7	90.6	173.0	334.1	570.9	860.5	1194.7
-30°	0.0	16.5	25.9	39.7	56.1	84.6	152.4	294.4	520.9	795.7	1109.6
-32.5°	0.0	16.0	25.4	38.4	54.4	78.1	130.2	264.4	471.7	726.0	1018.3
-35°	0.0	15.6	25.0	37.0	52.5	71.1	117.3	236.6	419.1	651.6	920.8
-37.5°	0.0	15.1	24.5	35.6	50.6	65.4	108.4	207.1	363.3	572.7	826.9
-40°	0.0	14.6	24.0	34.0	48.5	62.9	99.0	175.9	304.3	501.5	734.0
-42.5°	0.0	14.0	23.5	32.4	46.3	60.1	89.1	143.1	258.9	431.6	636.5
-45°	0.0	13.4	22.9	30.6	44.0	57.3	78.7	118.1	219.6	358.6	537.7
-47.5°	0.0	12.8	22.3	28.8	41.6	54.3	67.9	105.5	178.6	283.2	453.0
-50°	0.0	12.2	21.7	27.7	39.1	51.2	63.1	92.4	136.1	235.3	365.2
-52.5°	0.0	11.6	21.0	26.7	36.5	47.9	59.2	78.8	112.2	185.8	278.4
-55°	0.0	10.9	20.4	25.7	33.8	44.6	55.2	65.8	96.2	134.8	221.7
-57.5°	0.0	10.2	19.7	24.7	31.1	41.2	51.1	61.0	79.7	108.8	163.5
-60°	0.0	9.5	19.0	23.7	28.3	37.6	46.9	56.1	65.1	89.8	116.4
-62.5°	0.0	8.8	17.5	22.6	26.9	34.0	42.6	51.0	59.4	70.3	94.8
-65°	0.0	8.0	16.0	21.5	25.4	30.3	38.1	45.9	53.5	61.1	72.9
-67.5°	0.0	7.3	14.5	20.4	23.9	27.5	33.6	40.6	47.6	54.4	61.1
-70°	0.0	6.5	13.0	19.2	22.4	25.6	29.0	35.3	41.5	47.6	53.5
-72.5°	0.0	5.7	11.4	17.1	20.9	23.6	26.4	29.8	35.3	40.6	45.9
-75°	0.0	4.9	9.8	14.7	19.3	21.7	24.0	26.4	29.0	33.6	38.1
-77.5°	0.0	4.1	8.2	12.3	16.4	19.7	21.7	23.6	25.6	27.5	30.3
-80°	0.0	3.3	6.6	9.9	13.1	16.4	19.3	20.9	22.4	23.9	25.4
-82.5°	0.0	2.5	5.0	7.4	9.9	12.3	14.7	17.1	19.2	20.4	21.5
-85°	0.0	1.7	3.3	5.0	6.6	8.2	9.8	11.4	13.0	14.5	16.0
-87.5°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-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°	8.8	9.5	10.2	10.9	11.6	12.2	12.8	13.4	14.0	14.6	15.1
85°	17.5	19.0	19.7	20.4	21.0	21.7	22.3	22.9	23.5	24.0	24.5
82.5°	22.6	23.7	24.7	25.7	26.7	27.7	28.8	30.6	32.4	34.0	35.6
80°	26.9	28.3	31.1	33.8	36.5	39.1	41.6	44.0	46.3	48.5	50.6
77.5°	34.0	37.6	41.2	44.6	47.9	51.2	54.3	57.3	60.1	62.9	65.4
75°	42.6	46.9	51.1	55.2	59.2	63.1	67.9	78.7	89.1	99.0	108.4
72.5°	51.0	56.1	61.0	65.8	78.8	92.4	105.5	118.1	143.1	175.9	207.1
70°	59.4	65.1	79.7	96.2	112.2	136.1	178.6	219.6	258.9	304.3	363.3
67.5°	70.3	89.8	108.8	134.8	185.8	235.3	283.2	358.6	431.6	501.5	572.7
65°	94.8	116.4	163.5	221.7	278.4	365.2	453.0	537.7	636.5	734.0	826.9
62.5°	118.9	177.9	243.4	322.3	425.0	524.8	639.4	756.2	868.5	992.4	1112.8
60°	177.9	250.6	346.3	461.1	578.9	715.1	847.1	990.9	1134.9	1273.6	1425.0
57.5°	243.4	346.3	473.2	609.3	760.8	913.1	1080.9	1243.4	1419.0	1591.5	1760.0
55°	322.3	461.1	609.3	776.1	949.2	1135.4	1323.2	1524.2	1718.6	1921.1	2115.1
52.5°	425.0	578.9	760.8	949.2	1153.6	1365.3	1587.9	1811.3	2037.8	2258.2	2475.6
50°	524.8	715.1	913.1	1135.4	1365.3	1609.2	1858.0	2108.5	2357.0	2600.1	2831.1
47.5°	639.4	847.1	1080.9	1323.2	1587.9	1858.0	2132.2	2406.8	2675.5	2930.8	3176.0
45°	756.2	990.9	1243.4	1524.2	1811.3	2108.5	2406.8	2700.8	2981.1	3234.2	3415.2
42.5°	868.5	1134.9	1419.0	1718.6	2037.8	2357.0	2675.5	2981.1	3251.9	3451.2	3631.5
40°	992.4	1273.6	1591.5	1921.1	2258.2	2600.1	2930.8	3234.2	3451.2	3647.8	3829.1
37.5°	1112.8	1425.0	1760.0	2115.1	2475.6	2831.1	3176.0	3415.2	3631.5	3829.1	4180.7
35°	1227.1	1568.9	1930.3	2303.9	2683.1	3050.1	3343.9	3582.9	3795.9	4148.8	5088.7
32.5°	1344.6	1704.9	2091.5	2486.0	2876.7	3238.4	3498.7	3730.1	4053.8	4722.2	6966.9
30°	1460.7	1842.7	2244.9	2657.4	3058.9	3374.6	3632.9	3897.4	4333.8	6406.4	8474.5
27.5°	1568.9	1972.0	2392.0	2815.5	3218.5	3502.2	3755.1	4143.8	5485.2	7902.3	9752.7
25°	1668.8	2091.5	2528.2	2961.3	3328.1	3611.3	3896.1	4373.8	6877.3	9024.4	10293.7
22.5°	1764.0	2201.1	2653.0	3095.0	3428.8	3708.4	4092.9	5418.1	8027.7	10031.2	10623.9
20°	1853.6	2303.9	2764.8	3209.2	3520.2	3796.6	4272.1	6509.4	8912.7	10313.0	10895.4
17.5°	1933.4	2395.5	2863.6	3284.1	3594.4	3908.4	4553.8	7489.4	9709.3	10567.2	11126.0
15°	2003.0	2475.6	2950.1	3349.7	3658.1	4038.3	5349.2	8167.8	10133.5	10781.7	11328.2
12.5°	2062.4	2543.9	3023.9	3405.8	3712.5	4149.5	6030.7	8724.2	10311.9	10944.3	11437.6
10°	2111.2	2600.1	3084.6	3451.9	3757.4	4241.4	6594.2	9185.0	10459.9	11079.5	11528.6
7.5°	2149.3	2644.0	3132.2	3488.1	3792.5	4313.3	7036.3	9546.9	10576.3	11185.9	11600.4
5°	2176.7	2675.5	3166.2	3514.0	3817.7	4365.0	7354.2	9807.3	10660.1	11262.7	11652.3
2.5°	2193.1	2694.5	3186.8	3529.6	3832.9	4396.2	7545.8	9964.3	10710.7	11309.1	11683.7
0°	2198.6	2700.8	3193.6	3534.8	3838.0	4406.6	7609.8	10016.8	10727.6	11324.6	11694.2
-2.5°	2193.1	2694.5	3186.8	3529.6	3832.9	4396.2	7545.8	9964.3	10710.7	11309.1	11683.7
-5°	2176.7	2675.5	3166.2	3514.0	3817.7	4365.0	7354.2	9807.3	10660.1	11262.7	11652.3
-7.5°	2149.3	2644.0	3132.2	3488.1	3792.5	4313.3	7036.3	9546.9	10576.3	11185.9	11600.4
-10°	2111.2	2600.1	3084.6	3451.9	3757.4	4241.4	6594.2	9185.0	10459.9	11079.5	11528.6
-12.5°	2062.4	2543.9	3023.9	3405.8	3712.5	4149.5	6030.7	8724.2	10311.9	10944.3	11437.6
-15°	2003.0	2475.6	2950.1	3349.7	3658.1	4038.3	5349.2	8167.8	10133.5	10781.7	11328.2
-17.5°	1933.4	2395.5	2863.6	3284.1	3594.4	3908.4	4553.8	7489.4	9709.3	10567.2	11126.0
-20°	1853.6	2303.9	2764.8	3209.2	3520.2	3796.6	4272.1	6509.4	8912.7	10313.0	10895.4



REPORT NUMBER: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1764.0	2201.1	2653.0	3095.0	3428.8	3708.4	4092.9	5418.1	8027.7	10031.2	10623.9
-25°	1668.8	2091.5	2528.2	2961.3	3328.1	3611.3	3896.1	4373.8	6877.3	9024.4	10293.7
-27.5°	1568.9	1972.0	2392.0	2815.5	3218.5	3502.2	3755.1	4143.8	5485.2	7902.3	9752.7
-30°	1460.7	1842.7	2244.9	2657.4	3058.9	3374.6	3632.9	3897.4	4333.8	6406.4	8474.5
-32.5°	1344.6	1704.9	2091.5	2486.0	2876.7	3238.4	3498.7	3730.1	4053.8	4722.2	6966.9
-35°	1227.1	1568.9	1930.3	2303.9	2683.1	3050.1	3343.9	3582.9	3795.9	4148.8	5088.7
-37.5°	1112.8	1425.0	1760.0	2115.1	2475.6	2831.1	3176.0	3415.2	3631.5	3829.1	4180.7
-40°	992.4	1273.6	1591.5	1921.1	2258.2	2600.1	2930.8	3234.2	3451.2	3647.8	3829.1
-42.5°	868.5	1134.9	1419.0	1718.6	2037.8	2357.0	2675.5	2981.1	3251.9	3451.2	3631.5
-45°	756.2	990.9	1243.4	1524.2	1811.3	2108.5	2406.8	2700.8	2981.1	3234.2	3415.2
-47.5°	639.4	847.1	1080.9	1323.2	1587.9	1858.0	2132.2	2406.8	2675.5	2930.8	3176.0
-50°	524.8	715.1	913.1	1135.4	1365.3	1609.2	1858.0	2108.5	2357.0	2600.1	2831.1
-52.5°	425.0	578.9	760.8	949.2	1153.6	1365.3	1587.9	1811.3	2037.8	2258.2	2475.6
-55°	322.3	461.1	609.3	776.1	949.2	1135.4	1323.2	1524.2	1718.6	1921.1	2115.1
-57.5°	243.4	346.3	473.2	609.3	760.8	913.1	1080.9	1243.4	1419.0	1591.5	1760.0
-60°	177.9	250.6	346.3	461.1	578.9	715.1	847.1	990.9	1134.9	1273.6	1425.0
-62.5°	118.9	177.9	243.4	322.3	425.0	524.8	639.4	756.2	868.5	992.4	1112.8
-65°	94.8	116.4	163.5	221.7	278.4	365.2	453.0	537.7	636.5	734.0	826.9
-67.5°	70.3	89.8	108.8	134.8	185.8	235.3	283.2	358.6	431.6	501.5	572.7
-70°	59.4	65.1	79.7	96.2	112.2	136.1	178.6	219.6	258.9	304.3	363.3
-72.5°	51.0	56.1	61.0	65.8	78.8	92.4	105.5	118.1	143.1	175.9	207.1
-75°	42.6	46.9	51.1	55.2	59.2	63.1	67.9	78.7	89.1	99.0	108.4
-77.5°	34.0	37.6	41.2	44.6	47.9	51.2	54.3	57.3	60.1	62.9	65.4
-80°	26.9	28.3	31.1	33.8	36.5	39.1	41.6	44.0	46.3	48.5	50.6
-82.5°	22.6	23.7	24.7	25.7	26.7	27.7	28.8	30.6	32.4	34.0	35.6
-85°	17.5	19.0	19.7	20.4	21.0	21.7	22.3	22.9	23.5	24.0	24.5
-87.5°	8.8	9.5	10.2	10.9	11.6	12.2	12.8	13.4	14.0	14.6	15.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-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	16.0	16.5	16.9	17.2	17.6	17.9	18.1	18.4	18.5	18.7
85°	25.0	25.4	25.9	26.3	26.6	27.0	27.3	27.5	27.8	28.0	28.1
82.5°	37.0	38.4	39.7	40.9	42.0	43.0	43.9	44.7	45.4	46.0	46.5
80°	52.5	54.4	56.1	57.7	59.2	60.5	61.7	62.8	63.7	64.5	65.1
77.5°	71.1	78.1	84.6	90.6	96.2	101.2	105.8	109.8	113.4	116.4	118.8
75°	117.3	130.2	152.4	173.0	191.9	209.2	224.8	238.6	250.6	260.9	269.3
72.5°	236.6	264.4	294.4	334.1	370.8	404.2	434.3	461.1	484.4	504.2	520.5
70°	419.1	471.7	520.9	570.9	623.6	671.7	715.1	753.6	787.2	815.8	839.3
67.5°	651.6	726.0	795.7	860.5	926.9	990.9	1048.5	1099.8	1144.6	1182.6	1213.9
65°	920.8	1018.3	1109.6	1194.7	1273.6	1355.8	1430.1	1496.1	1553.7	1602.8	1643.1
62.5°	1227.1	1344.6	1460.7	1568.9	1668.8	1764.0	1853.6	1933.4	2003.0	2062.4	2111.2
60°	1568.9	1704.9	1842.7	1972.0	2091.5	2201.1	2303.9	2395.5	2475.6	2543.9	2600.1
57.5°	1930.3	2091.5	2244.9	2392.0	2528.2	2653.0	2764.8	2863.6	2950.1	3023.9	3084.6
55°	2303.9	2486.0	2657.4	2815.5	2961.3	3095.0	3209.2	3284.1	3349.7	3405.8	3451.9
52.5°	2683.1	2876.7	3058.9	3218.5	3328.1	3428.8	3520.2	3594.4	3658.1	3712.5	3757.4
50°	3050.1	3238.4	3374.6	3502.2	3611.3	3708.4	3796.6	3908.4	4038.3	4149.5	4241.4
47.5°	3343.9	3498.7	3632.9	3755.1	3896.1	4092.9	4272.1	4553.8	5349.2	6030.7	6594.2
45°	3582.9	3730.1	3897.4	4143.8	4373.8	5418.1	6509.4	7489.4	8167.8	8724.2	9185.0
42.5°	3795.9	4053.8	4333.8	5485.2	6877.3	8027.7	8912.7	9709.3	10133.5	10311.9	10459.9
40°	4148.8	4722.2	6406.4	7902.3	9024.4	10031.2	10313.0	10567.2	10781.7	10944.3	11079.5
37.5°	5088.7	6966.9	8474.5	9752.7	10293.7	10623.9	10895.4	11126.0	11328.2	11437.6	11528.6
35°	7155.0	8763.9	10069.9	10472.2	10831.9	11129.4	11373.6	11527.8	11664.9	11726.3	11761.9
32.5°	8763.9	10113.9	10562.6	10948.7	11289.1	11500.0	11682.7	11749.8	11803.2	11836.6	11853.2
30°	10069.9	10562.6	10988.0	11352.7	11577.4	11728.2	11798.7	11842.4	11867.2	11933.2	12109.1
27.5°	10472.2	10948.7	11352.7	11603.5	11747.5	11827.7	11860.1	11944.1	12204.2	12432.4	13041.7
25°	10831.9	11289.1	11577.4	11747.5	11832.0	11869.1	12079.8	12391.6	13197.5	13988.7	15589.9
22.5°	11129.4	11500.0	11728.2	11827.7	11869.1	12125.6	12604.9	13673.3	15553.7	18084.5	22609.1
20°	11373.6	11682.7	11798.7	11860.1	12079.8	12604.9	13834.7	16544.7	20549.9	29987.6	39771.4
17.5°	11527.8	11749.8	11842.4	11944.1	12391.6	13673.3	16544.7	22353.8	33812.9	52022.2	70368.7
15°	11664.9	11803.2	11867.2	12204.2	13197.5	15553.7	20549.9	33812.9	56224.3	84233.8	117370.3
12.5°	11726.3	11836.6	11933.2	12432.4	13988.7	18084.5	29987.6	52022.2	84233.8	125418.5	183760.5
10°	11761.9	11853.2	12109.1	13041.7	15589.9	22609.1	39771.4	70368.7	117370.3	183760.5	264928.4
7.5°	11790.1	11866.4	12249.1	13530.4	17166.7	28558.2	53216.5	94160.3	155687.8	242049.2	365930.3
5°	11810.4	11876.0	12350.8	13887.0	18322.5	32944.0	63205.4	112524.2	189733.9	303604.1	460191.6
2.5°	11822.8	11881.8	12412.7	14104.2	19028.6	35634.7	69369.1	123948.9	211170.2	347887.1	524009.5
0°	11826.9	11883.7	12433.4	14177.1	19266.1	36542.0	71454.0	127830.7	218503.4	364377.7	546452.8
-2.5°	11822.8	11881.8	12412.7	14104.2	19028.6	35634.7	69369.1	123948.9	211170.2	347887.1	524009.5
-5°	11810.4	11876.0	12350.8	13887.0	18322.5	32944.0	63205.4	112524.2	189733.9	303604.1	460191.6
-7.5°	11790.1	11866.4	12249.1	13530.4	17166.7	28558.2	53216.5	94160.3	155687.8	242049.2	365930.3
-10°	11761.9	11853.2	12109.1	13041.7	15589.9	22609.1	39771.4	70368.7	117370.3	183760.5	264928.4
-12.5°	11726.3	11836.6	11933.2	12432.4	13988.7	18084.5	29987.6	52022.2	84233.8	125418.5	183760.5
-15°	11664.9	11803.2	11867.2	12204.2	13197.5	15553.7	20549.9	33812.9	56224.3	84233.8	117370.3
-17.5°	11527.8	11749.8	11842.4	11944.1	12391.6	13673.3	16544.7	22353.8	33812.9	52022.2	70368.7
-20°	11373.6	11682.7	11798.7	11860.1	12079.8	12604.9	13834.7	16544.7	20549.9	29987.6	39771.4



REPORT NUMBER: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11129.4	11500.0	11728.2	11827.7	11869.1	12125.6	12604.9	13673.3	15553.7	18084.5	22609.1
-25°	10831.9	11289.1	11577.4	11747.5	11832.0	11869.1	12079.8	12391.6	13197.5	13988.7	15589.9
-27.5°	10472.2	10948.7	11352.7	11603.5	11747.5	11827.7	11860.1	11944.1	12204.2	12432.4	13041.7
-30°	10069.9	10562.6	10988.0	11352.7	11577.4	11728.2	11798.7	11842.4	11867.2	11933.2	12109.1
-32.5°	8763.9	10113.9	10562.6	10948.7	11289.1	11500.0	11682.7	11749.8	11803.2	11836.6	11853.2
-35°	7155.0	8763.9	10069.9	10472.2	10831.9	11129.4	11373.6	11527.8	11664.9	11726.3	11761.9
-37.5°	5088.7	6966.9	8474.5	9752.7	10293.7	10623.9	10895.4	11126.0	11328.2	11437.6	11528.6
-40°	4148.8	4722.2	6406.4	7902.3	9024.4	10031.2	10313.0	10567.2	10781.7	10944.3	11079.5
-42.5°	3795.9	4053.8	4333.8	5485.2	6877.3	8027.7	8912.7	9709.3	10133.5	10311.9	10459.9
-45°	3582.9	3730.1	3897.4	4143.8	4373.8	5418.1	6509.4	7489.4	8167.8	8724.2	9185.0
-47.5°	3343.9	3498.7	3632.9	3755.1	3896.1	4092.9	4272.1	4553.8	5349.2	6030.7	6594.2
-50°	3050.1	3238.4	3374.6	3502.2	3611.3	3708.4	3796.6	3908.4	4038.3	4149.5	4241.4
-52.5°	2683.1	2876.7	3058.9	3218.5	3328.1	3428.8	3520.2	3594.4	3658.1	3712.5	3757.4
-55°	2303.9	2486.0	2657.4	2815.5	2961.3	3095.0	3209.2	3284.1	3349.7	3405.8	3451.9
-57.5°	1930.3	2091.5	2244.9	2392.0	2528.2	2653.0	2764.8	2863.6	2950.1	3023.9	3084.6
-60°	1568.9	1704.9	1842.7	1972.0	2091.5	2201.1	2303.9	2395.5	2475.6	2543.9	2600.1
-62.5°	1227.1	1344.6	1460.7	1568.9	1668.8	1764.0	1853.6	1933.4	2003.0	2062.4	2111.2
-65°	920.8	1018.3	1109.6	1194.7	1273.6	1355.8	1430.1	1496.1	1553.7	1602.8	1643.1
-67.5°	651.6	726.0	795.7	860.5	926.9	990.9	1048.5	1099.8	1144.6	1182.6	1213.9
-70°	419.1	471.7	520.9	570.9	623.6	671.7	715.1	753.6	787.2	815.8	839.3
-72.5°	236.6	264.4	294.4	334.1	370.8	404.2	434.3	461.1	484.4	504.2	520.5
-75°	117.3	130.2	152.4	173.0	191.9	209.2	224.8	238.6	250.6	260.9	269.3
-77.5°	71.1	78.1	84.6	90.6	96.2	101.2	105.8	109.8	113.4	116.4	118.8
-80°	52.5	54.4	56.1	57.7	59.2	60.5	61.7	62.8	63.7	64.5	65.1
-82.5°	37.0	38.4	39.7	40.9	42.0	43.0	43.9	44.7	45.4	46.0	46.5
-85°	25.0	25.4	25.9	26.3	26.6	27.0	27.3	27.5	27.8	28.0	28.1
-87.5°	15.6	16.0	16.5	16.9	17.2	17.6	17.9	18.1	18.4	18.5	18.7
-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: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-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°	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.7	18.5	18.4	18.1
85°	28.2	28.3	28.4	28.4	28.4	28.3	28.2	28.1	28.0	27.8	27.5
82.5°	46.9	47.2	47.3	47.4	47.3	47.2	46.9	46.5	46.0	45.4	44.7
80°	65.6	66.0	66.2	66.3	66.2	66.0	65.6	65.1	64.5	63.7	62.8
77.5°	120.7	122.1	122.9	123.2	122.9	122.1	120.7	118.8	116.4	113.4	109.8
75°	275.8	280.5	283.4	284.3	283.4	280.5	275.8	269.3	260.9	250.6	238.6
72.5°	533.2	542.3	547.8	549.6	547.8	542.3	533.2	520.5	504.2	484.4	461.1
70°	857.6	870.8	878.7	881.3	878.7	870.8	857.6	839.3	815.8	787.2	753.6
67.5°	1238.4	1255.9	1266.4	1269.9	1266.4	1255.9	1238.4	1213.9	1182.6	1144.6	1099.8
65°	1674.6	1697.2	1710.8	1715.3	1710.8	1697.2	1674.6	1643.1	1602.8	1553.7	1496.1
62.5°	2149.3	2176.7	2193.1	2198.6	2193.1	2176.7	2149.3	2111.2	2062.4	2003.0	1933.4
60°	2644.0	2675.5	2694.5	2700.8	2694.5	2675.5	2644.0	2600.1	2543.9	2475.6	2395.5
57.5°	3132.2	3166.2	3186.8	3193.6	3186.8	3166.2	3132.2	3084.6	3023.9	2950.1	2863.6
55°	3488.1	3514.0	3529.6	3534.8	3529.6	3514.0	3488.1	3451.9	3405.8	3349.7	3284.1
52.5°	3792.5	3817.7	3832.9	3838.0	3832.9	3817.7	3792.5	3757.4	3712.5	3658.1	3594.4
50°	4313.3	4365.0	4396.2	4406.6	4396.2	4365.0	4313.3	4241.4	4149.5	4038.3	3908.4
47.5°	7036.3	7354.2	7545.8	7609.8	7545.8	7354.2	7036.3	6594.2	6030.7	5349.2	4553.8
45°	9546.9	9807.3	9964.3	10016.8	9964.3	9807.3	9546.9	9185.0	8724.2	8167.8	7489.4
42.5°	10576.3	10660.1	10710.7	10727.6	10710.7	10660.1	10576.3	10459.9	10311.9	10133.5	9709.3
40°	11185.9	11262.7	11309.1	11324.6	11309.1	11262.7	11185.9	11079.5	10944.3	10781.7	10567.2
37.5°	11600.4	11652.3	11683.7	11694.2	11683.7	11652.3	11600.4	11528.6	11437.6	11328.2	11126.0
35°	11790.1	11810.4	11822.8	11826.9	11822.8	11810.4	11790.1	11761.9	11726.3	11664.9	11527.8
32.5°	11866.4	11876.0	11881.8	11883.4	11881.8	11876.0	11866.4	11853.2	11836.6	11803.2	11749.8
30°	12249.1	12350.8	12412.7	12433.4	12412.7	12350.8	12249.1	12109.1	11933.2	11867.2	11842.4
27.5°	13530.4	13887.0	14104.2	14177.1	14104.2	13887.0	13530.4	13041.7	12432.4	12204.2	11944.1
25°	17166.7	18322.5	19028.6	19266.1	19028.6	18322.5	17166.7	15589.9	13988.7	13197.5	12391.6
22.5°	28558.2	32944.0	35634.7	36542.0	35634.7	32944.0	28558.2	22609.1	18084.5	15553.7	13673.3
20°	53216.5	63205.4	69369.1	71454.0	69369.1	63205.4	53216.5	39771.4	29987.6	20549.9	16544.7
17.5°	94160.3	112524.2	123948.9	127830.7	123948.9	112524.2	94160.3	70368.7	52022.2	33812.9	22353.8
15°	155687.8	189733.9	211170.2	218503.4	211170.2	189733.9	155687.8	117370.3	84233.8	56224.3	33812.9
12.5°	242049.2	303604.1	347887.1	364377.7	347887.1	303604.1	242049.2	183760.5	125418.5	84233.8	52022.2
10°	365930.3	460191.6	524009.5	546452.8	524009.5	460191.6	365930.3	264928.4	183760.5	117370.3	70368.7
7.5°	502888.2	621825.1	711683.8	745794.4	711683.8	621825.1	502888.2	365930.3	242049.2	155687.8	94160.3
5°	621825.1	782440.9	891910.1	931328.5	891910.1	782440.9	621825.1	460191.6	303604.1	189733.9	112524.2
2.5°	711683.8	891910.1	#####	#####	#####	891910.1	711683.8	524009.5	347887.1	211170.2	123948.9
0°	745794.4	931328.5	#####	#####	#####	931328.5	745794.4	546452.8	364377.7	218503.4	127830.7
-2.5°	711683.8	891910.1	#####	#####	#####	891910.1	711683.8	524009.5	347887.1	211170.2	123948.9
-5°	621825.1	782440.9	891910.1	931328.5	891910.1	782440.9	621825.1	460191.6	303604.1	189733.9	112524.2
-7.5°	502888.2	621825.1	711683.8	745794.4	711683.8	621825.1	502888.2	365930.3	242049.2	155687.8	94160.3
-10°	365930.3	460191.6	524009.5	546452.8	524009.5	460191.6	365930.3	264928.4	183760.5	117370.3	70368.7
-12.5°	242049.2	303604.1	347887.1	364377.7	347887.1	303604.1	242049.2	183760.5	125418.5	84233.8	52022.2
-15°	155687.8	189733.9	211170.2	218503.4	211170.2	189733.9	155687.8	117370.3	84233.8	56224.3	33812.9
-17.5°	94160.3	112524.2	123948.9	127830.7	123948.9	112524.2	94160.3	70368.7	52022.2	33812.9	22353.8
-20°	53216.5	63205.4	69369.1	71454.0	69369.1	63205.4	53216.5	39771.4	29987.6	20549.9	16544.7



REPORT NUMBER: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	28558.2	32944.0	35634.7	36542.0	35634.7	32944.0	28558.2	22609.1	18084.5	15553.7	13673.3
-25°	17166.7	18322.5	19028.6	19266.1	19028.6	18322.5	17166.7	15589.9	13988.7	13197.5	12391.6
-27.5°	13530.4	13887.0	14104.2	14177.1	14104.2	13887.0	13530.4	13041.7	12432.4	12204.2	11944.1
-30°	12249.1	12350.8	12412.7	12433.4	12412.7	12350.8	12249.1	12109.1	11933.2	11867.2	11842.4
-32.5°	11866.4	11876.0	11881.8	11883.7	11881.8	11876.0	11866.4	11853.2	11836.6	11803.2	11749.8
-35°	11790.1	11810.4	11822.8	11826.9	11822.8	11810.4	11790.1	11761.9	11726.3	11664.9	11527.8
-37.5°	11600.4	11652.3	11683.7	11694.2	11683.7	11652.3	11600.4	11528.6	11437.6	11328.2	11126.0
-40°	11185.9	11262.7	11309.1	11324.6	11309.1	11262.7	11185.9	11079.5	10944.3	10781.7	10567.2
-42.5°	10576.3	10660.1	10710.7	10727.6	10710.7	10660.1	10576.3	10459.9	10311.9	10133.5	9709.3
-45°	9546.9	9807.3	9964.3	10016.8	9964.3	9807.3	9546.9	9185.0	8724.2	8167.8	7489.4
-47.5°	7036.3	7354.2	7545.8	7609.8	7545.8	7354.2	7036.3	6594.2	6030.7	5349.2	4553.8
-50°	4313.3	4365.0	4396.2	4406.6	4396.2	4365.0	4313.3	4241.4	4149.5	4038.3	3908.4
-52.5°	3792.5	3817.7	3832.9	3838.0	3832.9	3817.7	3792.5	3757.4	3712.5	3658.1	3594.4
-55°	3488.1	3514.0	3529.6	3534.8	3529.6	3514.0	3488.1	3451.9	3405.8	3349.7	3284.1
-57.5°	3132.2	3166.2	3186.8	3193.6	3186.8	3166.2	3132.2	3084.6	3023.9	2950.1	2863.6
-60°	2644.0	2675.5	2694.5	2700.8	2694.5	2675.5	2644.0	2600.1	2543.9	2475.6	2395.5
-62.5°	2149.3	2176.7	2193.1	2198.6	2193.1	2176.7	2149.3	2111.2	2062.4	2003.0	1933.4
-65°	1674.6	1697.2	1710.8	1715.3	1710.8	1697.2	1674.6	1643.1	1602.8	1553.7	1496.1
-67.5°	1238.4	1255.9	1266.4	1269.9	1266.4	1255.9	1238.4	1213.9	1182.6	1144.6	1099.8
-70°	857.6	870.8	878.7	881.3	878.7	870.8	857.6	839.3	815.8	787.2	753.6
-72.5°	533.2	542.3	547.8	549.6	547.8	542.3	533.2	520.5	504.2	484.4	461.1
-75°	275.8	280.5	283.4	284.3	283.4	280.5	275.8	269.3	260.9	250.6	238.6
-77.5°	120.7	122.1	122.9	123.2	122.9	122.1	120.7	118.8	116.4	113.4	109.8
-80°	65.6	66.0	66.2	66.3	66.2	66.0	65.6	65.1	64.5	63.7	62.8
-82.5°	46.9	47.2	47.3	47.4	47.3	47.2	46.9	46.5	46.0	45.4	44.7
-85°	28.2	28.3	28.4	28.4	28.4	28.3	28.2	28.1	28.0	27.8	27.5
-87.5°	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.7	18.5	18.4	18.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-A

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°	17.9	17.6	17.2	16.9	16.5	16.0	15.6	15.1	14.6	14.0	13.4
85°	27.3	27.0	26.6	26.3	25.9	25.4	25.0	24.5	24.0	23.5	22.9
82.5°	43.9	43.0	42.0	40.9	39.7	38.4	37.0	35.6	34.0	32.4	30.6
80°	61.7	60.5	59.2	57.7	56.1	54.4	52.5	50.6	48.5	46.3	44.0
77.5°	105.8	101.2	96.2	90.6	84.6	78.1	71.1	65.4	62.9	60.1	57.3
75°	224.8	209.2	191.9	173.0	152.4	130.2	117.3	108.4	99.0	89.1	78.7
72.5°	434.3	404.2	370.8	334.1	294.4	264.4	236.6	207.1	175.9	143.1	118.1
70°	715.1	671.7	623.6	570.9	520.9	471.7	419.1	363.3	304.3	258.9	219.6
67.5°	1048.5	990.9	926.9	860.5	795.7	726.0	651.6	572.7	501.5	431.6	358.6
65°	1430.1	1355.8	1273.6	1194.7	1109.6	1018.3	920.8	826.9	734.0	636.5	537.7
62.5°	1853.6	1764.0	1668.8	1568.9	1460.7	1344.6	1227.1	1112.8	992.4	868.5	756.2
60°	2303.9	2201.1	2091.5	1972.0	1842.7	1704.9	1568.9	1425.0	1273.6	1134.9	990.9
57.5°	2764.8	2653.0	2528.2	2392.0	2244.9	2091.5	1930.3	1760.0	1591.5	1419.0	1243.4
55°	3209.2	3095.0	2961.3	2815.5	2657.4	2486.0	2303.9	2115.1	1921.1	1718.6	1524.2
52.5°	3520.2	3428.8	3328.1	3218.5	3058.9	2876.7	2683.1	2475.6	2258.2	2037.8	1811.3
50°	3796.6	3708.4	3611.3	3502.2	3374.6	3238.4	3050.1	2831.1	2600.1	2357.0	2108.5
47.5°	4272.1	4092.9	3896.1	3755.1	3632.9	3498.7	3343.9	3176.0	2930.8	2675.5	2406.8
45°	6509.4	5418.1	4373.8	4143.8	3897.4	3730.1	3582.9	3415.2	3234.2	2981.1	2700.8
42.5°	8912.7	8027.7	6877.3	5485.2	4333.8	4053.8	3795.9	3631.5	3451.2	3251.9	2981.1
40°	10313.0	10031.2	9024.4	7902.3	6406.4	4722.2	4148.8	3829.1	3647.8	3451.2	3234.2
37.5°	10895.4	10623.9	10293.7	9752.7	8474.5	6966.9	5088.7	4180.7	3829.1	3631.5	3415.2
35°	11373.6	11129.4	10831.9	10472.2	10069.9	8763.9	7155.0	5088.7	4148.8	3795.9	3582.9
32.5°	11682.7	11500.0	11289.1	10948.7	10562.6	10113.9	8763.9	6966.9	4722.2	4053.8	3730.1
30°	11798.7	11728.2	11577.4	11352.7	10988.0	10562.6	10069.9	8474.5	6406.4	4333.8	3897.4
27.5°	11860.1	11827.7	11747.5	11603.5	11352.7	10948.7	10472.2	9752.7	7902.3	5485.2	4143.8
25°	12079.8	11869.1	11832.0	11747.5	11577.4	11289.1	10831.9	10293.7	9024.4	6877.3	4373.8
22.5°	12604.9	12125.6	11869.1	11827.7	11728.2	11500.0	11129.4	10623.9	10031.2	8027.7	5418.1
20°	13834.7	12604.9	12079.8	11860.1	11798.7	11682.7	11373.6	10895.4	10313.0	8912.7	6509.4
17.5°	16544.7	13673.3	12391.6	11944.1	11842.4	11749.8	11527.8	11126.0	10567.2	9709.3	7489.4
15°	20549.9	15553.7	13197.5	12204.2	11867.2	11803.2	11664.9	11328.2	10781.7	10133.5	8167.8
12.5°	29987.6	18084.5	13988.7	12432.4	11933.2	11836.6	11726.3	11437.6	10944.3	10311.9	8724.2
10°	39771.4	22609.1	15589.9	13041.7	12109.1	11853.2	11761.9	11528.6	11079.5	10459.9	9185.0
7.5°	53216.5	28558.2	17166.7	13530.4	12249.1	11866.4	11790.1	11600.4	11185.9	10576.3	9546.9
5°	63205.4	32944.0	18322.5	13887.0	12350.8	11876.0	11810.4	11652.3	11262.7	10660.1	9807.3
2.5°	69369.1	35634.7	19028.6	14104.2	12412.7	11881.8	11822.8	11683.7	11309.1	10710.7	9964.3
0°	71454.0	36542.0	19266.1	14177.1	12433.4	11883.7	11826.9	11694.2	11324.6	10727.6	10016.8
-2.5°	69369.1	35634.7	19028.6	14104.2	12412.7	11881.8	11822.8	11683.7	11309.1	10710.7	9964.3
-5°	63205.4	32944.0	18322.5	13887.0	12350.8	11876.0	11810.4	11652.3	11262.7	10660.1	9807.3
-7.5°	53216.5	28558.2	17166.7	13530.4	12249.1	11866.4	11790.1	11600.4	11185.9	10576.3	9546.9
-10°	39771.4	22609.1	15589.9	13041.7	12109.1	11853.2	11761.9	11528.6	11079.5	10459.9	9185.0
-12.5°	29987.6	18084.5	13988.7	12432.4	11933.2	11836.6	11726.3	11437.6	10944.3	10311.9	8724.2
-15°	20549.9	15553.7	13197.5	12204.2	11867.2	11803.2	11664.9	11328.2	10781.7	10133.5	8167.8
-17.5°	16544.7	13673.3	12391.6	11944.1	11842.4	11749.8	11527.8	11126.0	10567.2	9709.3	7489.4
-20°	13834.7	12604.9	12079.8	11860.1	11798.7	11682.7	11373.6	10895.4	10313.0	8912.7	6509.4



REPORT NUMBER: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12604.9	12125.6	11869.1	11827.7	11728.2	11500.0	11129.4	10623.9	10031.2	8027.7	5418.1
-25°	12079.8	11869.1	11832.0	11747.5	11577.4	11289.1	10831.9	10293.7	9024.4	6877.3	4373.8
-27.5°	11860.1	11827.7	11747.5	11603.5	11352.7	10948.7	10472.2	9752.7	7902.3	5485.2	4143.8
-30°	11798.7	11728.2	11577.4	11352.7	10988.0	10562.6	10069.9	8474.5	6406.4	4333.8	3897.4
-32.5°	11682.7	11500.0	11289.1	10948.7	10562.6	10113.9	8763.9	6966.9	4722.2	4053.8	3730.1
-35°	11373.6	11129.4	10831.9	10472.2	10069.9	8763.9	7155.0	5088.7	4148.8	3795.9	3582.9
-37.5°	10895.4	10623.9	10293.7	9752.7	8474.5	6966.9	5088.7	4180.7	3829.1	3631.5	3415.2
-40°	10313.0	10031.2	9024.4	7902.3	6406.4	4722.2	4148.8	3829.1	3647.8	3451.2	3234.2
-42.5°	8912.7	8027.7	6877.3	5485.2	4333.8	4053.8	3795.9	3631.5	3451.2	3251.9	2981.1
-45°	6509.4	5418.1	4373.8	4143.8	3897.4	3730.1	3582.9	3415.2	3234.2	2981.1	2700.8
-47.5°	4272.1	4092.9	3896.1	3755.1	3632.9	3498.7	3343.9	3176.0	2930.8	2675.5	2406.8
-50°	3796.6	3708.4	3611.3	3502.2	3374.6	3238.4	3050.1	2831.1	2600.1	2357.0	2108.5
-52.5°	3520.2	3428.8	3328.1	3218.5	3058.9	2876.7	2683.1	2475.6	2258.2	2037.8	1811.3
-55°	3209.2	3095.0	2961.3	2815.5	2657.4	2486.0	2303.9	2115.1	1921.1	1718.6	1524.2
-57.5°	2764.8	2653.0	2528.2	2392.0	2244.9	2091.5	1930.3	1760.0	1591.5	1419.0	1243.4
-60°	2303.9	2201.1	2091.5	1972.0	1842.7	1704.9	1568.9	1425.0	1273.6	1134.9	990.9
-62.5°	1853.6	1764.0	1668.8	1568.9	1460.7	1344.6	1227.1	1112.8	992.4	868.5	756.2
-65°	1430.1	1355.8	1273.6	1194.7	1109.6	1018.3	920.8	826.9	734.0	636.5	537.7
-67.5°	1048.5	990.9	926.9	860.5	795.7	726.0	651.6	572.7	501.5	431.6	358.6
-70°	715.1	671.7	623.6	570.9	520.9	471.7	419.1	363.3	304.3	258.9	219.6
-72.5°	434.3	404.2	370.8	334.1	294.4	264.4	236.6	207.1	175.9	143.1	118.1
-75°	224.8	209.2	191.9	173.0	152.4	130.2	117.3	108.4	99.0	89.1	78.7
-77.5°	105.8	101.2	96.2	90.6	84.6	78.1	71.1	65.4	62.9	60.1	57.3
-80°	61.7	60.5	59.2	57.7	56.1	54.4	52.5	50.6	48.5	46.3	44.0
-82.5°	43.9	43.0	42.0	40.9	39.7	38.4	37.0	35.6	34.0	32.4	30.6
-85°	27.3	27.0	26.6	26.3	25.9	25.4	25.0	24.5	24.0	23.5	22.9
-87.5°	17.9	17.6	17.2	16.9	16.5	16.0	15.6	15.1	14.6	14.0	13.4
-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: P1306423 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-70-1S-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°	12.8	12.2	11.6	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
85°	22.3	21.7	21.0	20.4	19.7	19.0	17.5	16.0	14.5	13.0	11.4
82.5°	28.8	27.7	26.7	25.7	24.7	23.7	22.6	21.5	20.4	19.2	17.1
80°	41.6	39.1	36.5	33.8	31.1	28.3	26.9	25.4	23.9	22.4	20.9
77.5°	54.3	51.2	47.9	44.6	41.2	37.6	34.0	30.3	27.5	25.6	23.6
75°	67.9	63.1	59.2	55.2	51.1	46.9	42.6	38.1	33.6	29.0	26.4
72.5°	105.5	92.4	78.8	65.8	61.0	56.1	51.0	45.9	40.6	35.3	29.8
70°	178.6	136.1	112.2	96.2	79.7	65.1	59.4	53.5	47.6	41.5	35.3
67.5°	283.2	235.3	185.8	134.8	108.8	89.8	70.3	61.1	54.4	47.6	40.6
65°	453.0	365.2	278.4	221.7	163.5	116.4	94.8	72.9	61.1	53.5	45.9
62.5°	639.4	524.8	425.0	322.3	243.4	177.9	118.9	94.8	70.3	59.4	51.0
60°	847.1	715.1	578.9	461.1	346.3	250.6	177.9	116.4	89.8	65.1	56.1
57.5°	1080.9	913.1	760.8	609.3	473.2	346.3	243.4	163.5	108.8	79.7	61.0
55°	1323.2	1135.4	949.2	776.1	609.3	461.1	322.3	221.7	134.8	96.2	65.8
52.5°	1587.9	1365.3	1153.6	949.2	760.8	578.9	425.0	278.4	185.8	112.2	78.8
50°	1858.0	1609.2	1365.3	1135.4	913.1	715.1	524.8	365.2	235.3	136.1	92.4
47.5°	2132.2	1858.0	1587.9	1323.2	1080.9	847.1	639.4	453.0	283.2	178.6	105.5
45°	2406.8	2108.5	1811.3	1524.2	1243.4	990.9	756.2	537.7	358.6	219.6	118.1
42.5°	2675.5	2357.0	2037.8	1718.6	1419.0	1134.9	868.5	636.5	431.6	258.9	143.1
40°	2930.8	2600.1	2258.2	1921.1	1591.5	1273.6	992.4	734.0	501.5	304.3	175.9
37.5°	3176.0	2831.1	2475.6	2115.1	1760.0	1425.0	1112.8	826.9	572.7	363.3	207.1
35°	3343.9	3050.1	2683.1	2303.9	1930.3	1568.9	1227.1	920.8	651.6	419.1	236.6
32.5°	3498.7	3238.4	2876.7	2486.0	2091.5	1704.9	1344.6	1018.3	726.0	471.7	264.4
30°	3632.9	3374.6	3058.9	2657.4	2244.9	1842.7	1460.7	1109.6	795.7	520.9	294.4
27.5°	3755.1	3502.2	3218.5	2815.5	2392.0	1972.0	1568.9	1194.7	860.5	570.9	334.1
25°	3896.1	3611.3	3328.1	2961.3	2528.2	2091.5	1668.8	1273.6	926.9	623.6	370.8
22.5°	4092.9	3708.4	3428.8	3095.0	2653.0	2201.1	1764.0	1355.8	990.9	671.7	404.2
20°	4272.1	3796.6	3520.2	3209.2	2764.8	2303.9	1853.6	1430.1	1048.5	715.1	434.3
17.5°	4553.8	3908.4	3594.4	3284.1	2863.6	2395.5	1933.4	1496.1	1099.8	753.6	461.1
15°	5349.2	4038.3	3658.1	3349.7	2950.1	2475.6	2003.0	1553.7	1144.6	787.2	484.4
12.5°	6030.7	4149.5	3712.5	3405.8	3023.9	2543.9	2062.4	1602.8	1182.6	815.8	504.2
10°	6594.2	4241.4	3757.4	3451.9	3084.6	2600.1	2111.2	1643.1	1213.9	839.3	520.5
7.5°	7036.3	4313.3	3792.5	3488.1	3132.2	2644.0	2149.3	1674.6	1238.4	857.6	533.2
5°	7354.2	4365.0	3817.7	3514.0	3166.2	2675.5	2176.7	1697.2	1255.9	870.8	542.3
2.5°	7545.8	4396.2	3832.9	3529.6	3186.8	2694.5	2193.1	1710.8	1266.4	878.7	547.8
0°	7609.8	4406.6	3838.0	3534.8	3193.6	2700.8	2198.6	1715.3	1269.9	881.3	549.6
-2.5°	7545.8	4396.2	3832.9	3529.6	3186.8	2694.5	2193.1	1710.8	1266.4	878.7	547.8
-5°	7354.2	4365.0	3817.7	3514.0	3166.2	2675.5	2176.7	1697.2	1255.9	870.8	542.3
-7.5°	7036.3	4313.3	3792.5	3488.1	3132.2	2644.0	2149.3	1674.6	1238.4	857.6	533.2
-10°	6594.2	4241.4	3757.4	3451.9	3084.6	2600.1	2111.2	1643.1	1213.9	839.3	520.5
-12.5°	6030.7	4149.5	3712.5	3405.8	3023.9	2543.9	2062.4	1602.8	1182.6	815.8	504.2
-15°	5349.2	4038.3	3658.1	3349.7	2950.1	2475.6	2003.0	1553.7	1144.6	787.2	484.4
-17.5°	4553.8	3908.4	3594.4	3284.1	2863.6	2395.5	1933.4	1496.1	1099.8	753.6	461.1
-20°	4272.1	3796.6	3520.2	3209.2	2764.8	2303.9	1853.6	1430.1	1048.5	715.1	434.3



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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°	4092.9	3708.4	3428.8	3095.0	2653.0	2201.1	1764.0	1355.8	990.9	671.7	404.2
-25°	3896.1	3611.3	3328.1	2961.3	2528.2	2091.5	1668.8	1273.6	926.9	623.6	370.8
-27.5°	3755.1	3502.2	3218.5	2815.5	2392.0	1972.0	1568.9	1194.7	860.5	570.9	334.1
-30°	3632.9	3374.6	3058.9	2657.4	2244.9	1842.7	1460.7	1109.6	795.7	520.9	294.4
-32.5°	3498.7	3238.4	2876.7	2486.0	2091.5	1704.9	1344.6	1018.3	726.0	471.7	264.4
-35°	3343.9	3050.1	2683.1	2303.9	1930.3	1568.9	1227.1	920.8	651.6	419.1	236.6
-37.5°	3176.0	2831.1	2475.6	2115.1	1760.0	1425.0	1112.8	826.9	572.7	363.3	207.1
-40°	2930.8	2600.1	2258.2	1921.1	1591.5	1273.6	992.4	734.0	501.5	304.3	175.9
-42.5°	2675.5	2357.0	2037.8	1718.6	1419.0	1134.9	868.5	636.5	431.6	258.9	143.1
-45°	2406.8	2108.5	1811.3	1524.2	1243.4	990.9	756.2	537.7	358.6	219.6	118.1
-47.5°	2132.2	1858.0	1587.9	1323.2	1080.9	847.1	639.4	453.0	283.2	178.6	105.5
-50°	1858.0	1609.2	1365.3	1135.4	913.1	715.1	524.8	365.2	235.3	136.1	92.4
-52.5°	1587.9	1365.3	1153.6	949.2	760.8	578.9	425.0	278.4	185.8	112.2	78.8
-55°	1323.2	1135.4	949.2	776.1	609.3	461.1	322.3	221.7	134.8	96.2	65.8
-57.5°	1080.9	913.1	760.8	609.3	473.2	346.3	243.4	163.5	108.8	79.7	61.0
-60°	847.1	715.1	578.9	461.1	346.3	250.6	177.9	116.4	89.8	65.1	56.1
-62.5°	639.4	524.8	425.0	322.3	243.4	177.9	118.9	94.8	70.3	59.4	51.0
-65°	453.0	365.2	278.4	221.7	163.5	116.4	94.8	72.9	61.1	53.5	45.9
-67.5°	283.2	235.3	185.8	134.8	108.8	89.8	70.3	61.1	54.4	47.6	40.6
-70°	178.6	136.1	112.2	96.2	79.7	65.1	59.4	53.5	47.6	41.5	35.3
-72.5°	105.5	92.4	78.8	65.8	61.0	56.1	51.0	45.9	40.6	35.3	29.8
-75°	67.9	63.1	59.2	55.2	51.1	46.9	42.6	38.1	33.6	29.0	26.4
-77.5°	54.3	51.2	47.9	44.6	41.2	37.6	34.0	30.3	27.5	25.6	23.6
-80°	41.6	39.1	36.5	33.8	31.1	28.3	26.9	25.4	23.9	22.4	20.9
-82.5°	28.8	27.7	26.7	25.7	24.7	23.7	22.6	21.5	20.4	19.2	17.1
-85°	22.3	21.7	21.0	20.4	19.7	19.0	17.5	16.0	14.5	13.0	11.4
-87.5°	12.8	12.2	11.6	10.9	10.2	9.5	8.8	8.0	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°	9.8	8.2	6.6	5.0	3.3	1.7	0.0
82.5°	14.7	12.3	9.9	7.4	5.0	2.5	0.0
80°	19.3	16.4	13.1	9.9	6.6	3.3	0.0
77.5°	21.7	19.7	16.4	12.3	8.2	4.1	0.0
75°	24.0	21.7	19.3	14.7	9.8	4.9	0.0
72.5°	26.4	23.6	20.9	17.1	11.4	5.7	0.0
70°	29.0	25.6	22.4	19.2	13.0	6.5	0.0
67.5°	33.6	27.5	23.9	20.4	14.5	7.3	0.0
65°	38.1	30.3	25.4	21.5	16.0	8.0	0.0
62.5°	42.6	34.0	26.9	22.6	17.5	8.8	0.0
60°	46.9	37.6	28.3	23.7	19.0	9.5	0.0
57.5°	51.1	41.2	31.1	24.7	19.7	10.2	0.0
55°	55.2	44.6	33.8	25.7	20.4	10.9	0.0
52.5°	59.2	47.9	36.5	26.7	21.0	11.6	0.0
50°	63.1	51.2	39.1	27.7	21.7	12.2	0.0
47.5°	67.9	54.3	41.6	28.8	22.3	12.8	0.0
45°	78.7	57.3	44.0	30.6	22.9	13.4	0.0
42.5°	89.1	60.1	46.3	32.4	23.5	14.0	0.0
40°	99.0	62.9	48.5	34.0	24.0	14.6	0.0
37.5°	108.4	65.4	50.6	35.6	24.5	15.1	0.0
35°	117.3	71.1	52.5	37.0	25.0	15.6	0.0
32.5°	130.2	78.1	54.4	38.4	25.4	16.0	0.0
30°	152.4	84.6	56.1	39.7	25.9	16.5	0.0
27.5°	173.0	90.6	57.7	40.9	26.3	16.9	0.0
25°	191.9	96.2	59.2	42.0	26.6	17.2	0.0
22.5°	209.2	101.2	60.5	43.0	27.0	17.6	0.0
20°	224.8	105.8	61.7	43.9	27.3	17.9	0.0
17.5°	238.6	109.8	62.8	44.7	27.5	18.1	0.0
15°	250.6	113.4	63.7	45.4	27.8	18.4	0.0
12.5°	260.9	116.4	64.5	46.0	28.0	18.5	0.0
10°	269.3	118.8	65.1	46.5	28.1	18.7	0.0
7.5°	275.8	120.7	65.6	46.9	28.2	18.8	0.0
5°	280.5	122.1	66.0	47.2	28.3	18.9	0.0
2.5°	283.4	122.9	66.2	47.3	28.4	19.0	0.0
0°	284.3	123.2	66.3	47.4	28.4	19.0	0.0
-2.5°	283.4	122.9	66.2	47.3	28.4	19.0	0.0
-5°	280.5	122.1	66.0	47.2	28.3	18.9	0.0
-7.5°	275.8	120.7	65.6	46.9	28.2	18.8	0.0
-10°	269.3	118.8	65.1	46.5	28.1	18.7	0.0
-12.5°	260.9	116.4	64.5	46.0	28.0	18.5	0.0
-15°	250.6	113.4	63.7	45.4	27.8	18.4	0.0
-17.5°	238.6	109.8	62.8	44.7	27.5	18.1	0.0
-20°	224.8	105.8	61.7	43.9	27.3	17.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	209.2	101.2	60.5	43.0	27.0	17.6	0.0
-25°	191.9	96.2	59.2	42.0	26.6	17.2	0.0
-27.5°	173.0	90.6	57.7	40.9	26.3	16.9	0.0
-30°	152.4	84.6	56.1	39.7	25.9	16.5	0.0
-32.5°	130.2	78.1	54.4	38.4	25.4	16.0	0.0
-35°	117.3	71.1	52.5	37.0	25.0	15.6	0.0
-37.5°	108.4	65.4	50.6	35.6	24.5	15.1	0.0
-40°	99.0	62.9	48.5	34.0	24.0	14.6	0.0
-42.5°	89.1	60.1	46.3	32.4	23.5	14.0	0.0
-45°	78.7	57.3	44.0	30.6	22.9	13.4	0.0
-47.5°	67.9	54.3	41.6	28.8	22.3	12.8	0.0
-50°	63.1	51.2	39.1	27.7	21.7	12.2	0.0
-52.5°	59.2	47.9	36.5	26.7	21.0	11.6	0.0
-55°	55.2	44.6	33.8	25.7	20.4	10.9	0.0
-57.5°	51.1	41.2	31.1	24.7	19.7	10.2	0.0
-60°	46.9	37.6	28.3	23.7	19.0	9.5	0.0
-62.5°	42.6	34.0	26.9	22.6	17.5	8.8	0.0
-65°	38.1	30.3	25.4	21.5	16.0	8.0	0.0
-67.5°	33.6	27.5	23.9	20.4	14.5	7.3	0.0
-70°	29.0	25.6	22.4	19.2	13.0	6.5	0.0
-72.5°	26.4	23.6	20.9	17.1	11.4	5.7	0.0
-75°	24.0	21.7	19.3	14.7	9.8	4.9	0.0
-77.5°	21.7	19.7	16.4	12.3	8.2	4.1	0.0
-80°	19.3	16.4	13.1	9.9	6.6	3.3	0.0
-82.5°	14.7	12.3	9.9	7.4	5.0	2.5	0.0
-85°	9.8	8.2	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)