

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: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/3/2026

Test Information

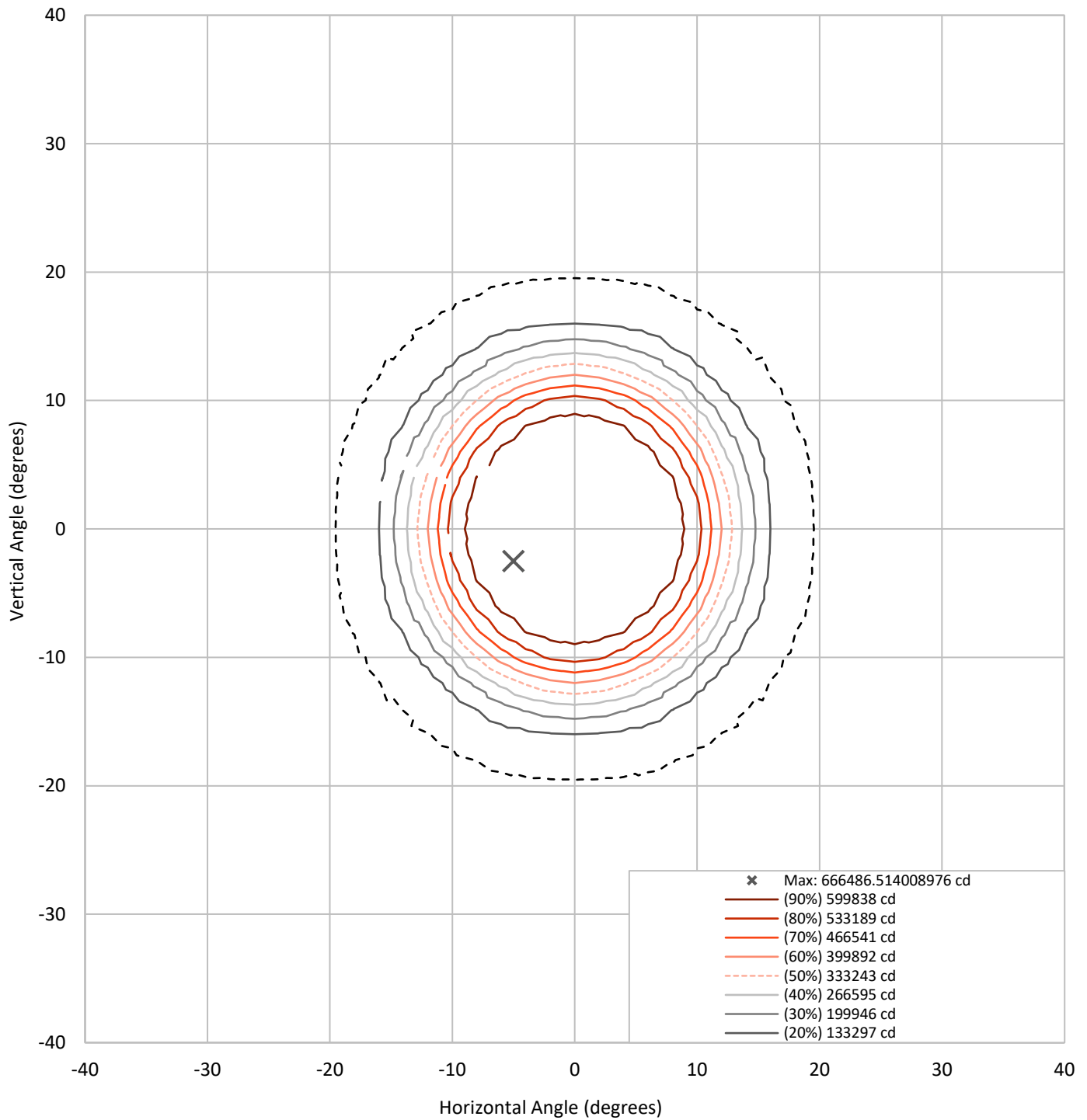
Test Method: LM-79-08
Report Number: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-51)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-57-80-5R-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 5R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	160306.7 lumens	Max Intensity:	666486.5 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	124.3 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	25.1°H x 23.6°V	Field Angle (10%):	38.9°H x 38.4°V
Beam Lumens:	85339.6 lumens	Field Lumens:	118857.7 lumens
Beam Efficiency:	53.2%	Field Efficiency:	74.1%
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





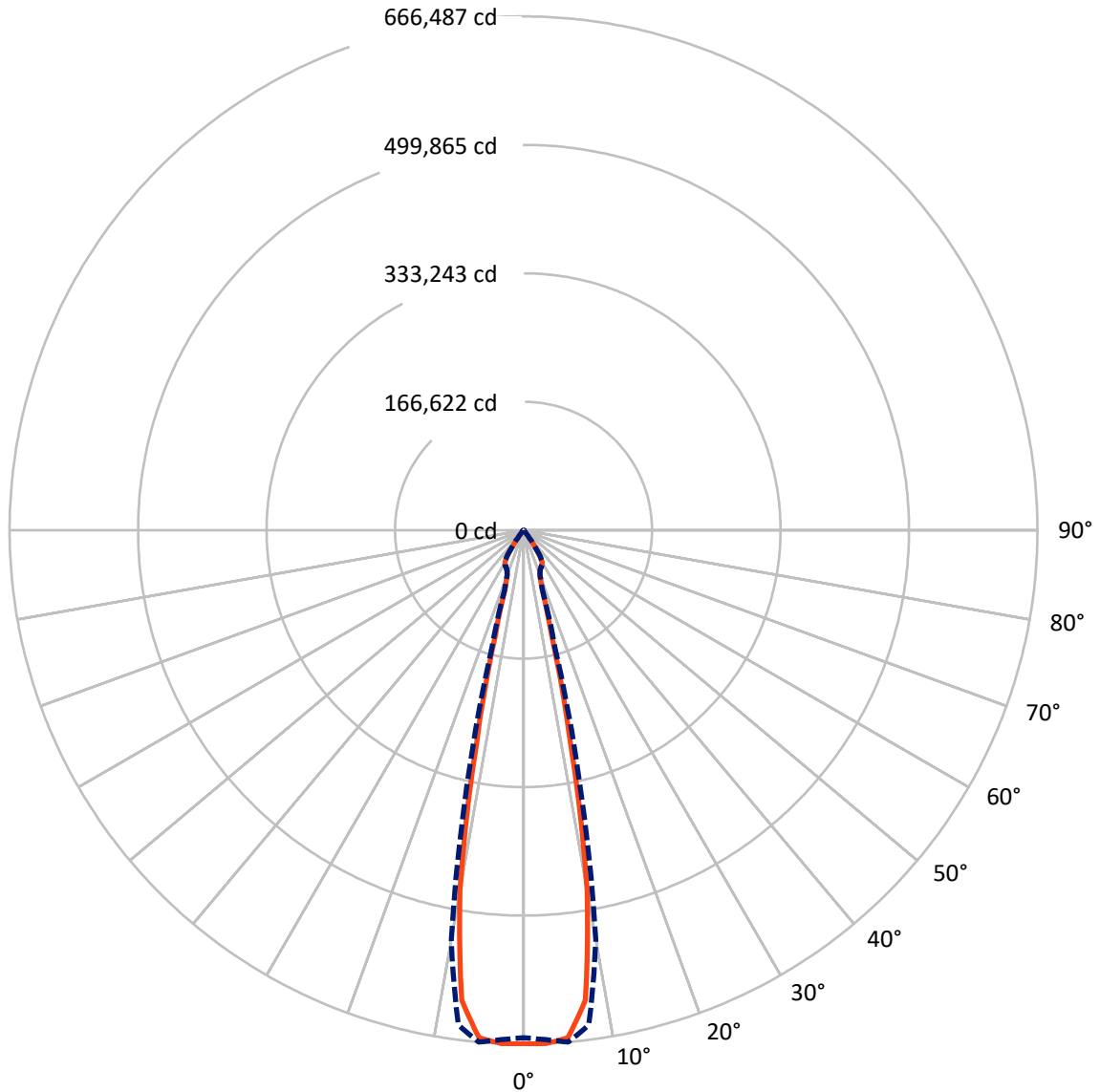
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Lumen Table

90	0.1	0.8		2.1		3.6		4.2		3.6		2.1		0.8		0.1
80	0.1	0.8		2.1		3.6		4.2		3.6		2.1		0.8		0.1
70	0.4	0.4	0.9	1.6	2.3	3.0	3.6	3.9	3.9	3.6	3.0	2.3	1.6	0.9	0.4	0.4
60		0.7	1.5	2.6	4.2	7.1	10.9	13.3	13.3	10.9	7.1	4.2	2.6	1.5	0.7	
50	0.7	0.9	2.1	4.6	11.7	21.1	29.1	36.7	36.7	29.1	21.1	11.7	4.6	2.1	0.9	0.7
40		1.2	3.0	10.2	22.7	84.7	401.2	722.8	722.8	401.2	84.7	22.7	10.2	3.0	1.2	
30	0.9	1.4	4.6	16.5	77.4	724.1	1408.6	1622.0	1622.0	1408.6	724.1	77.4	16.5	4.6	1.4	0.9
20		1.6	6.6	21.4	347.3	1323.5	2019.7	5495.7	5495.7	2019.7	1323.5	347.3	21.4	6.6	1.6	
10	1.0	1.7	7.9	26.5	606.3	1477.6	5363.9	18103.2	18103.2	5363.9	1477.6	606.3	26.5	7.9	1.7	1.0
0		1.7	7.9	26.5	606.3	1477.6	5363.9	18103.2	18103.2	5363.9	1477.6	606.3	26.5	7.9	1.7	
-10	0.9	1.6	6.6	21.4	347.3	1323.5	2019.7	5495.7	5495.7	2019.7	1323.5	347.3	21.4	6.6	1.6	0.9
-20		1.4	4.6	16.5	77.4	724.1	1408.6	1622.0	1622.0	1408.6	724.1	77.4	16.5	4.6	1.4	
-30	0.7	1.2	3.0	10.2	22.7	84.7	401.2	722.8	722.8	401.2	84.7	22.7	10.2	3.0	1.2	0.7
-40		0.9	2.1	4.6	11.7	21.1	29.1	36.7	36.7	29.1	21.1	11.7	4.6	2.1	0.9	
-50	0.4	0.7	1.5	2.6	4.2	7.1	10.9	13.3	13.3	10.9	7.1	4.2	2.6	1.5	0.7	0.4
-60		0.4	0.9	1.6	2.3	3.0	3.6	3.9	3.9	3.6	3.0	2.3	1.6	0.9	0.4	
-70	0.1	0.8		2.1		3.6		4.2		3.6		2.1		0.8		0.1
-80		0.8		2.1		3.6		4.2		3.6		2.1		0.8		
-90	0.1	0.8		2.1		3.6		4.2		3.6		2.1		0.8		0.1

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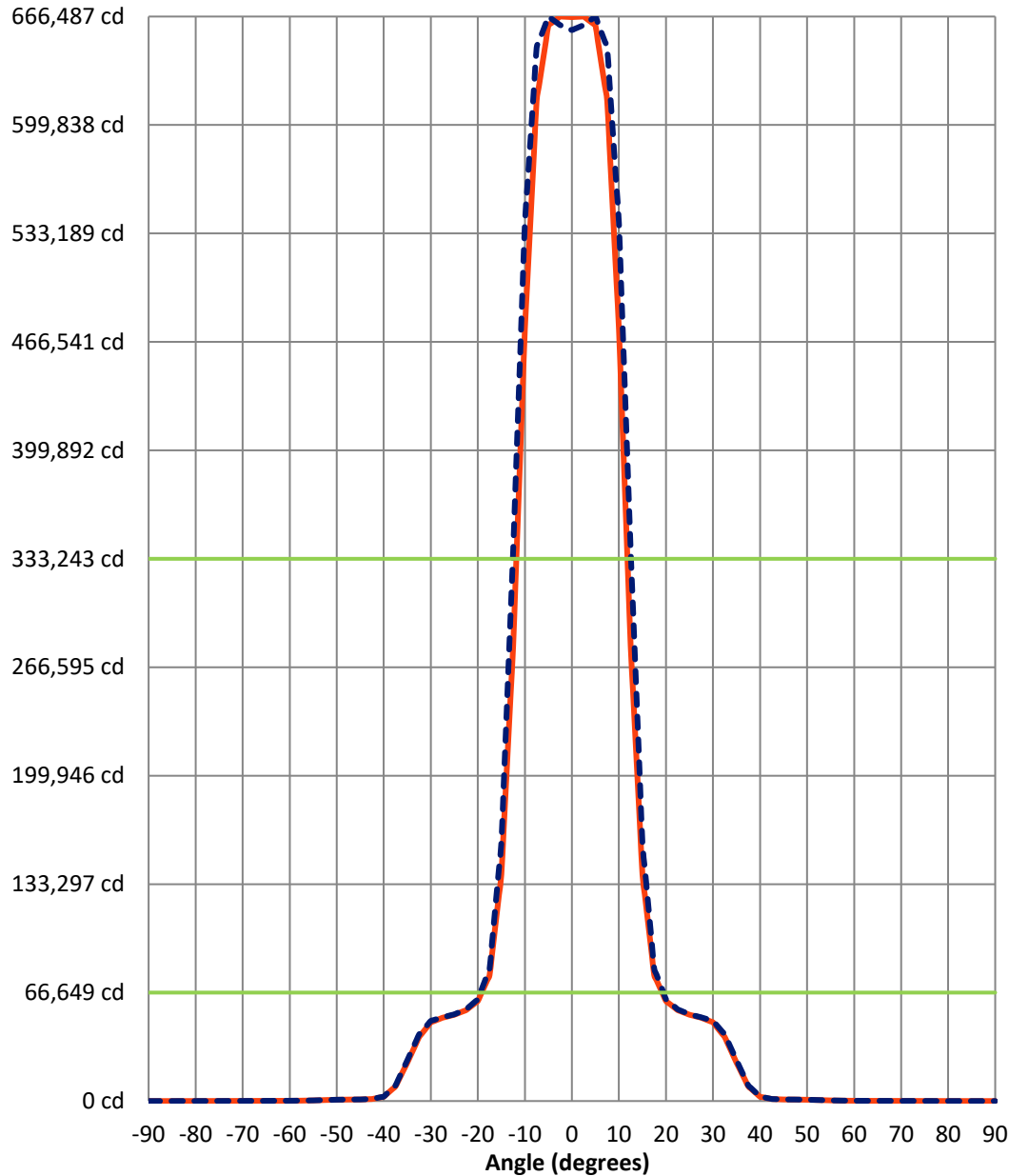
Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 25.1°
 V Angle: 23.6°
 Lumens: 85339.6
 Efficiency: 53.2%

Field:
 H Angle: 38.9°
 V Angle: 38.4°
 Lumens: 118857.7
 Efficiency: 74.1%

Spill:
 Lumens: 41449
 Efficiency: 25.9%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through -2.5-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	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
85°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.6
82.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.5	6.2	6.9
80°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.3	9.2
77.5°	0.0	1.2	2.3	3.5	4.7	5.8	7.0	8.1	9.2	10.4	11.7
75°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	9.7	11.2	13.1	15.0
72.5°	0.0	1.6	3.2	4.9	6.5	8.1	9.7	11.5	13.8	16.1	18.4
70°	0.0	1.8	3.7	5.5	7.4	9.2	11.2	13.8	16.5	19.1	22.2
67.5°	0.0	2.1	4.1	6.2	8.3	10.4	13.1	16.1	19.1	22.7	26.2
65°	0.0	2.3	4.6	6.9	9.2	11.7	15.0	18.4	22.2	26.2	30.4
62.5°	0.0	2.5	5.0	7.5	10.0	13.3	16.9	20.9	25.3	29.8	34.9
60°	0.0	2.7	5.4	8.1	10.9	14.8	18.8	23.6	28.4	33.9	39.4
57.5°	0.0	2.9	5.8	8.7	12.0	16.3	21.0	26.2	31.8	37.8	44.2
55°	0.0	3.1	6.2	9.3	13.2	17.8	23.1	28.7	35.2	41.8	49.1
52.5°	0.0	3.3	6.6	9.9	14.4	19.3	25.3	31.6	38.5	46.1	53.9
50°	0.0	3.5	7.0	10.5	15.5	21.0	27.3	34.4	41.9	50.3	60.5
47.5°	0.0	3.6	7.3	11.1	16.5	22.6	29.3	37.1	45.5	54.3	67.1
45°	0.0	3.8	7.7	11.9	17.6	24.2	31.6	39.7	48.9	60.0	73.5
42.5°	0.0	4.0	8.0	12.6	18.5	25.7	33.7	42.5	52.3	65.5	78.4
40°	0.0	4.1	8.3	13.3	19.6	27.2	35.8	45.2	55.9	70.8	83.0
37.5°	0.0	4.3	8.6	14.0	20.7	28.5	37.7	47.9	60.4	75.5	87.3
35°	0.0	4.4	8.9	14.6	21.7	30.0	39.6	50.4	64.6	79.1	91.6
32.5°	0.0	4.6	9.2	15.2	22.7	31.4	41.4	52.7	68.5	82.6	95.9
30°	0.0	4.7	9.4	15.7	23.6	32.8	43.3	55.2	72.2	85.8	99.9
27.5°	0.0	4.8	9.7	16.2	24.4	34.0	45.0	58.2	75.4	88.8	103.7
25°	0.0	4.9	9.9	16.7	25.2	35.2	46.6	60.9	77.8	91.8	107.2
22.5°	0.0	5.0	10.1	17.1	25.9	36.2	48.1	63.4	80.1	94.6	110.9
20°	0.0	5.1	10.2	17.5	26.6	37.2	49.4	65.7	82.1	97.2	114.2
17.5°	0.0	5.1	10.4	17.9	27.1	38.0	50.5	67.7	83.9	99.5	117.2
15°	0.0	5.2	10.5	18.2	27.6	38.8	51.6	69.5	85.4	101.5	119.7
12.5°	0.0	5.3	10.6	18.4	28.0	39.4	52.4	71.0	86.8	103.1	121.9
10°	0.0	5.3	10.7	18.6	28.4	39.9	53.1	72.2	87.9	104.5	123.8
7.5°	0.0	5.4	10.8	18.8	28.7	40.3	53.7	73.2	88.7	105.6	125.2
5°	0.0	5.4	10.9	18.9	28.8	40.6	54.1	73.9	89.3	106.4	126.2
2.5°	0.0	5.4	10.9	19.0	29.0	40.7	54.3	74.3	89.7	106.8	126.8
0°	0.0	5.4	10.9	19.0	29.0	40.8	54.4	74.4	89.8	107.0	127.0
-2.5°	0.0	5.4	10.9	19.0	29.0	40.8	54.4	74.4	89.8	107.0	127.0
-5°	0.0	5.4	10.9	18.9	28.8	40.6	54.1	73.9	89.3	106.4	126.2
-7.5°	0.0	5.4	10.8	18.8	28.7	40.3	53.7	73.2	88.7	105.6	125.2
-10°	0.0	5.3	10.7	18.6	28.4	39.9	53.1	72.2	87.9	104.5	123.8
-12.5°	0.0	5.3	10.6	18.4	28.0	39.4	52.4	71.0	86.8	103.1	121.9
-15°	0.0	5.2	10.5	18.2	27.6	38.8	51.6	69.5	85.4	101.5	119.7
-17.5°	0.0	5.1	10.4	17.9	27.1	38.0	50.5	67.7	83.9	99.5	117.2
-20°	0.0	5.1	10.2	17.5	26.6	37.2	49.4	65.7	82.1	97.2	114.2



REPORT NUMBER: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.0	10.1	17.1	25.9	36.2	48.1	63.4	80.1	94.6	110.9
-25°	0.0	4.9	9.9	16.7	25.2	35.2	46.6	60.9	77.8	91.8	107.2
-27.5°	0.0	4.8	9.7	16.2	24.4	34.0	45.0	58.2	75.4	88.8	103.7
-30°	0.0	4.7	9.4	15.7	23.6	32.8	43.3	55.2	72.2	85.8	99.9
-32.5°	0.0	4.6	9.2	15.2	22.7	31.4	41.4	52.7	68.5	82.6	95.9
-35°	0.0	4.4	8.9	14.6	21.7	30.0	39.6	50.4	64.6	79.1	91.6
-37.5°	0.0	4.3	8.6	14.0	20.7	28.5	37.7	47.9	60.4	75.5	87.3
-40°	0.0	4.1	8.3	13.3	19.6	27.2	35.8	45.2	55.9	70.8	83.0
-42.5°	0.0	4.0	8.0	12.6	18.5	25.7	33.7	42.5	52.3	65.5	78.4
-45°	0.0	3.8	7.7	11.9	17.6	24.2	31.6	39.7	48.9	60.0	73.5
-47.5°	0.0	3.6	7.3	11.1	16.5	22.6	29.3	37.1	45.5	54.3	67.1
-50°	0.0	3.5	7.0	10.5	15.5	21.0	27.3	34.4	41.9	50.3	60.5
-52.5°	0.0	3.3	6.6	9.9	14.4	19.3	25.3	31.6	38.5	46.1	53.9
-55°	0.0	3.1	6.2	9.3	13.2	17.8	23.1	28.7	35.2	41.8	49.1
-57.5°	0.0	2.9	5.8	8.7	12.0	16.3	21.0	26.2	31.8	37.8	44.2
-60°	0.0	2.7	5.4	8.1	10.9	14.8	18.8	23.6	28.4	33.9	39.4
-62.5°	0.0	2.5	5.0	7.5	10.0	13.3	16.9	20.9	25.3	29.8	34.9
-65°	0.0	2.3	4.6	6.9	9.2	11.7	15.0	18.4	22.2	26.2	30.4
-67.5°	0.0	2.1	4.1	6.2	8.3	10.4	13.1	16.1	19.1	22.7	26.2
-70°	0.0	1.8	3.7	5.5	7.4	9.2	11.2	13.8	16.5	19.1	22.2
-72.5°	0.0	1.6	3.2	4.9	6.5	8.1	9.7	11.5	13.8	16.1	18.4
-75°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	9.7	11.2	13.1	15.0
-77.5°	0.0	1.2	2.3	3.5	4.7	5.8	7.0	8.1	9.2	10.4	11.7
-80°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.3	9.2
-82.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.5	6.2	6.9
-85°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.6
-87.5°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
-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: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-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°	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.3
85°	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.3	8.6
82.5°	7.5	8.1	8.7	9.3	9.9	10.5	11.1	11.9	12.6	13.3	14.0
80°	10.0	10.9	12.0	13.2	14.4	15.5	16.5	17.6	18.5	19.6	20.7
77.5°	13.3	14.8	16.3	17.8	19.3	21.0	22.6	24.2	25.7	27.2	28.5
75°	16.9	18.8	21.0	23.1	25.3	27.3	29.3	31.6	33.7	35.8	37.7
72.5°	20.9	23.6	26.2	28.7	31.6	34.4	37.1	39.7	42.5	45.2	47.9
70°	25.3	28.4	31.8	35.2	38.5	41.9	45.5	48.9	52.3	55.9	60.4
67.5°	29.8	33.9	37.8	41.8	46.1	50.3	54.3	60.0	65.5	70.8	75.5
65°	34.9	39.4	44.2	49.1	53.9	60.5	67.1	73.5	78.4	83.0	87.3
62.5°	39.9	45.4	50.9	57.3	65.0	72.5	78.6	84.0	89.2	94.7	100.0
60°	45.4	51.6	59.1	67.7	75.8	82.1	88.2	94.6	101.0	107.2	114.0
57.5°	50.9	59.1	68.6	77.2	84.2	91.2	98.6	105.8	113.7	121.4	129.4
55°	57.3	67.7	77.2	84.9	92.8	101.0	109.4	118.4	127.2	138.2	148.8
52.5°	65.0	75.8	84.2	92.8	101.9	111.3	121.3	132.2	144.6	157.4	172.3
50°	72.5	82.1	91.2	101.0	111.3	122.2	134.8	148.4	164.2	180.8	208.6
47.5°	78.6	88.2	98.6	109.4	121.3	134.8	149.7	167.6	186.0	224.5	263.8
45°	84.0	94.6	105.8	118.4	132.2	148.4	167.6	187.7	232.6	282.8	355.0
42.5°	89.2	101.0	113.7	127.2	144.6	164.2	186.0	232.6	289.9	369.4	475.6
40°	94.7	107.2	121.4	138.2	157.4	180.8	224.5	282.8	369.4	487.9	624.5
37.5°	100.0	114.0	129.4	148.8	172.3	208.6	263.8	355.0	475.6	624.5	746.5
35°	105.1	120.4	138.7	160.5	186.5	243.6	326.6	438.9	599.5	735.8	846.0
32.5°	110.4	126.5	147.5	173.0	215.9	284.5	388.3	549.9	703.8	833.4	910.4
30°	115.6	133.9	156.5	184.7	245.0	338.8	476.6	651.2	798.1	891.1	949.6
27.5°	120.4	141.0	166.6	206.1	276.5	389.7	568.7	734.1	859.6	938.2	975.1
25°	124.9	147.5	175.9	229.4	320.2	460.4	650.8	811.6	907.3	960.6	1104.1
22.5°	129.7	153.5	184.4	250.8	360.4	533.5	717.0	857.3	940.7	986.8	1251.6
20°	134.5	160.5	197.9	272.8	396.9	600.0	777.3	894.7	958.4	1112.7	1720.9
17.5°	138.9	166.8	213.8	302.7	447.6	654.9	827.6	928.3	974.3	1226.3	2302.0
15°	142.7	172.3	227.6	328.9	495.6	698.6	854.9	943.5	1032.5	1434.2	2871.6
12.5°	145.9	177.0	239.4	351.2	536.6	736.1	878.3	954.6	1112.2	1844.1	4948.7
10°	148.5	180.8	249.2	369.6	570.4	767.0	897.6	963.8	1178.3	2184.7	6678.4
7.5°	150.6	183.8	256.8	384.1	596.9	791.2	912.7	971.0	1230.3	2453.0	8043.5
5°	152.1	186.0	262.2	394.4	615.9	808.6	923.6	976.2	1267.8	2646.5	9029.5
2.5°	153.0	187.3	265.5	400.6	627.4	819.1	930.2	979.4	1290.3	2763.4	9625.6
0°	153.3	187.7	266.6	402.7	631.2	822.6	932.4	980.4	1297.9	2802.5	9825.1
-2.5°	153.0	187.3	265.5	400.6	627.4	819.1	930.2	979.4	1290.3	2763.4	9625.6
-5°	152.1	186.0	262.2	394.4	615.9	808.6	923.6	976.2	1267.8	2646.5	9029.5
-7.5°	150.6	183.8	256.8	384.1	596.9	791.2	912.7	971.0	1230.3	2453.0	8043.5
-10°	148.5	180.8	249.2	369.6	570.4	767.0	897.6	963.8	1178.3	2184.7	6678.4
-12.5°	145.9	177.0	239.4	351.2	536.6	736.1	878.3	954.6	1112.2	1844.1	4948.7
-15°	142.7	172.3	227.6	328.9	495.6	698.6	854.9	943.5	1032.5	1434.2	2871.6
-17.5°	138.9	166.8	213.8	302.7	447.6	654.9	827.6	928.3	974.3	1226.3	2302.0
-20°	134.5	160.5	197.9	272.8	396.9	600.0	777.3	894.7	958.4	1112.7	1720.9



REPORT NUMBER: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	129.7	153.5	184.4	250.8	360.4	533.5	717.0	857.3	940.7	986.8	1251.6
-25°	124.9	147.5	175.9	229.4	320.2	460.4	650.8	811.6	907.3	960.6	1104.1
-27.5°	120.4	141.0	166.6	206.1	276.5	389.7	568.7	734.1	859.6	938.2	975.1
-30°	115.6	133.9	156.5	184.7	245.0	338.8	476.6	651.2	798.1	891.1	949.6
-32.5°	110.4	126.5	147.5	173.0	215.9	284.5	388.3	549.9	703.8	833.4	910.4
-35°	105.1	120.4	138.7	160.5	186.5	243.6	326.6	438.9	599.5	735.8	846.0
-37.5°	100.0	114.0	129.4	148.8	172.3	208.6	263.8	355.0	475.6	624.5	746.5
-40°	94.7	107.2	121.4	138.2	157.4	180.8	224.5	282.8	369.4	487.9	624.5
-42.5°	89.2	101.0	113.7	127.2	144.6	164.2	186.0	232.6	289.9	369.4	475.6
-45°	84.0	94.6	105.8	118.4	132.2	148.4	167.6	187.7	232.6	282.8	355.0
-47.5°	78.6	88.2	98.6	109.4	121.3	134.8	149.7	167.6	186.0	224.5	263.8
-50°	72.5	82.1	91.2	101.0	111.3	122.2	134.8	148.4	164.2	180.8	208.6
-52.5°	65.0	75.8	84.2	92.8	101.9	111.3	121.3	132.2	144.6	157.4	172.3
-55°	57.3	67.7	77.2	84.9	92.8	101.0	109.4	118.4	127.2	138.2	148.8
-57.5°	50.9	59.1	68.6	77.2	84.2	91.2	98.6	105.8	113.7	121.4	129.4
-60°	45.4	51.6	59.1	67.7	75.8	82.1	88.2	94.6	101.0	107.2	114.0
-62.5°	39.9	45.4	50.9	57.3	65.0	72.5	78.6	84.0	89.2	94.7	100.0
-65°	34.9	39.4	44.2	49.1	53.9	60.5	67.1	73.5	78.4	83.0	87.3
-67.5°	29.8	33.9	37.8	41.8	46.1	50.3	54.3	60.0	65.5	70.8	75.5
-70°	25.3	28.4	31.8	35.2	38.5	41.9	45.5	48.9	52.3	55.9	60.4
-72.5°	20.9	23.6	26.2	28.7	31.6	34.4	37.1	39.7	42.5	45.2	47.9
-75°	16.9	18.8	21.0	23.1	25.3	27.3	29.3	31.6	33.7	35.8	37.7
-77.5°	13.3	14.8	16.3	17.8	19.3	21.0	22.6	24.2	25.7	27.2	28.5
-80°	10.0	10.9	12.0	13.2	14.4	15.5	16.5	17.6	18.5	19.6	20.7
-82.5°	7.5	8.1	8.7	9.3	9.9	10.5	11.1	11.9	12.6	13.3	14.0
-85°	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.3	8.6
-87.5°	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.3
-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: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-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°	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3
85°	8.9	9.2	9.4	9.7	9.9	10.1	10.2	10.4	10.5	10.6	10.7
82.5°	14.6	15.2	15.7	16.2	16.7	17.1	17.5	17.9	18.2	18.4	18.6
80°	21.7	22.7	23.6	24.4	25.2	25.9	26.6	27.1	27.6	28.0	28.4
77.5°	30.0	31.4	32.8	34.0	35.2	36.2	37.2	38.0	38.8	39.4	39.9
75°	39.6	41.4	43.3	45.0	46.6	48.1	49.4	50.5	51.6	52.4	53.1
72.5°	50.4	52.7	55.2	58.2	60.9	63.4	65.7	67.7	69.5	71.0	72.2
70°	64.6	68.5	72.2	75.4	77.8	80.1	82.1	83.9	85.4	86.8	87.9
67.5°	79.1	82.6	85.8	88.8	91.8	94.6	97.2	99.5	101.5	103.1	104.5
65°	91.6	95.9	99.9	103.7	107.2	110.9	114.2	117.2	119.7	121.9	123.8
62.5°	105.1	110.4	115.6	120.4	124.9	129.7	134.5	138.9	142.7	145.9	148.5
60°	120.4	126.5	133.9	141.0	147.5	153.5	160.5	166.8	172.3	177.0	180.8
57.5°	138.7	147.5	156.5	166.6	175.9	184.4	197.9	213.8	227.6	239.4	249.2
55°	160.5	173.0	184.7	206.1	229.4	250.8	272.8	302.7	328.9	351.2	369.6
52.5°	186.5	215.9	245.0	276.5	320.2	360.4	396.9	447.6	495.6	536.6	570.4
50°	243.6	284.5	338.8	389.7	460.4	533.5	600.0	654.9	698.6	736.1	767.0
47.5°	326.6	388.3	476.6	568.7	650.8	717.0	777.3	827.6	854.9	878.3	897.6
45°	438.9	549.9	651.2	734.1	811.6	857.3	894.7	928.3	943.5	954.6	963.8
42.5°	599.5	703.8	798.1	859.6	907.3	940.7	958.4	974.3	1032.5	1112.2	1178.3
40°	735.8	833.4	891.1	938.2	960.6	986.8	1112.7	1226.3	1434.2	1844.1	2184.7
37.5°	846.0	910.4	949.6	975.1	1104.1	1251.6	1720.9	2302.0	2871.6	4948.7	6678.4
35°	916.8	955.4	1004.1	1183.8	1560.7	2310.6	3733.8	6662.6	9267.7	13629.8	17849.0
32.5°	955.4	1023.8	1224.2	1855.1	2712.9	6135.9	9607.3	16419.2	22741.3	28263.6	32913.3
30°	1004.1	1224.2	1954.1	3336.8	7606.2	13851.0	22209.9	29901.0	36827.2	42174.6	44780.5
27.5°	1183.8	1855.1	3336.8	8101.4	16145.2	25768.0	34842.6	42335.5	46190.1	49571.1	50261.5
25°	1560.7	2712.9	7606.2	16145.2	26979.8	37361.3	44345.9	48966.5	50434.5	51313.2	52043.1
22.5°	2310.6	6135.9	13851.0	25768.0	37361.3	45025.6	49776.5	50963.0	52029.8	52962.5	53999.3
20°	3733.8	9607.3	22209.9	34842.6	44345.9	49776.5	51142.2	52395.0	53628.9	55326.3	57104.3
17.5°	6662.6	16419.2	29901.0	42335.5	48966.5	50963.0	52395.0	53953.4	56014.3	59377.0	62780.5
15°	9267.7	22741.3	36827.2	46190.1	50434.5	52029.8	53628.9	56014.3	60156.5	67479.4	79141.1
12.5°	13629.8	28263.6	42174.6	49571.1	51313.2	52962.5	55326.3	59377.0	67479.4	81973.5	133733.7
10°	17849.0	32913.3	44780.5	50261.5	52043.1	53999.3	57104.3	62780.5	79141.1	133733.7	227560.5
7.5°	21186.3	36601.2	46854.4	50804.2	52624.3	55069.3	59598.5	70972.8	108179.9	196906.3	361618.2
5°	23601.3	39275.8	48362.6	51200.3	53050.2	55858.1	61451.6	77435.6	139171.1	279246.1	474264.1
2.5°	25063.1	40897.3	49278.8	51441.4	53310.5	56342.0	62595.0	81456.3	158683.9	337966.6	539556.0
0°	25552.6	41440.7	49586.1	51522.4	53398.0	56505.2	62981.8	82822.4	165359.1	359583.0	561901.5
-2.5°	25063.1	40897.3	49278.8	51441.4	53310.5	56342.0	62595.0	81456.3	158683.9	337966.6	539556.0
-5°	23601.3	39275.8	48362.6	51200.3	53050.2	55858.1	61451.6	77435.6	139171.1	279246.1	474264.1
-7.5°	21186.3	36601.2	46854.4	50804.2	52624.3	55069.3	59598.5	70972.8	108179.9	196906.3	361618.2
-10°	17849.0	32913.3	44780.5	50261.5	52043.1	53999.3	57104.3	62780.5	79141.1	133733.7	227560.5
-12.5°	13629.8	28263.6	42174.6	49571.1	51313.2	52962.5	55326.3	59377.0	67479.4	81973.5	133733.7
-15°	9267.7	22741.3	36827.2	46190.1	50434.5	52029.8	53628.9	56014.3	60156.5	67479.4	79141.1
-17.5°	6662.6	16419.2	29901.0	42335.5	48966.5	50963.0	52395.0	53953.4	56014.3	59377.0	62780.5
-20°	3733.8	9607.3	22209.9	34842.6	44345.9	49776.5	51142.2	52395.0	53628.9	55326.3	57104.3



REPORT NUMBER: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2310.6	6135.9	13851.0	25768.0	37361.3	45025.6	49776.5	50963.0	52029.8	52962.5	53999.3
-25°	1560.7	2712.9	7606.2	16145.2	26979.8	37361.3	44345.9	48966.5	50434.5	51313.2	52043.1
-27.5°	1183.8	1855.1	3336.8	8101.4	16145.2	25768.0	34842.6	42335.5	46190.1	49571.1	50261.5
-30°	1004.1	1224.2	1954.1	3336.8	7606.2	13851.0	22209.9	29901.0	36827.2	42174.6	44780.5
-32.5°	955.4	1023.8	1224.2	1855.1	2712.9	6135.9	9607.3	16419.2	22741.3	28263.6	32913.3
-35°	916.8	955.4	1004.1	1183.8	1560.7	2310.6	3733.8	6662.6	9267.7	13629.8	17849.0
-37.5°	846.0	910.4	949.6	975.1	1104.1	1251.6	1720.9	2302.0	2871.6	4948.7	6678.4
-40°	735.8	833.4	891.1	938.2	960.6	986.8	1112.7	1226.3	1434.2	1844.1	2184.7
-42.5°	599.5	703.8	798.1	859.6	907.3	940.7	958.4	974.3	1032.5	1112.2	1178.3
-45°	438.9	549.9	651.2	734.1	811.6	857.3	894.7	928.3	943.5	954.6	963.8
-47.5°	326.6	388.3	476.6	568.7	650.8	717.0	777.3	827.6	854.9	878.3	897.6
-50°	243.6	284.5	338.8	389.7	460.4	533.5	600.0	654.9	698.6	736.1	767.0
-52.5°	186.5	215.9	245.0	276.5	320.2	360.4	396.9	447.6	495.6	536.6	570.4
-55°	160.5	173.0	184.7	206.1	229.4	250.8	272.8	302.7	328.9	351.2	369.6
-57.5°	138.7	147.5	156.5	166.6	175.9	184.4	197.9	213.8	227.6	239.4	249.2
-60°	120.4	126.5	133.9	141.0	147.5	153.5	160.5	166.8	172.3	177.0	180.8
-62.5°	105.1	110.4	115.6	120.4	124.9	129.7	134.5	138.9	142.7	145.9	148.5
-65°	91.6	95.9	99.9	103.7	107.2	110.9	114.2	117.2	119.7	121.9	123.8
-67.5°	79.1	82.6	85.8	88.8	91.8	94.6	97.2	99.5	101.5	103.1	104.5
-70°	64.6	68.5	72.2	75.4	77.8	80.1	82.1	83.9	85.4	86.8	87.9
-72.5°	50.4	52.7	55.2	58.2	60.9	63.4	65.7	67.7	69.5	71.0	72.2
-75°	39.6	41.4	43.3	45.0	46.6	48.1	49.4	50.5	51.6	52.4	53.1
-77.5°	30.0	31.4	32.8	34.0	35.2	36.2	37.2	38.0	38.8	39.4	39.9
-80°	21.7	22.7	23.6	24.4	25.2	25.9	26.6	27.1	27.6	28.0	28.4
-82.5°	14.6	15.2	15.7	16.2	16.7	17.1	17.5	17.9	18.2	18.4	18.6
-85°	8.9	9.2	9.4	9.7	9.9	10.1	10.2	10.4	10.5	10.6	10.7
-87.5°	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3
-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: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1
85°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.4
82.5°	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.6	18.4	18.2	17.9
80°	28.7	28.8	29.0	29.0	29.0	28.8	28.7	28.4	28.0	27.6	27.1
77.5°	40.3	40.6	40.7	40.8	40.7	40.6	40.3	39.9	39.4	38.8	38.0
75°	53.7	54.1	54.3	54.4	54.3	54.1	53.7	53.1	52.4	51.6	50.5
72.5°	73.2	73.9	74.3	74.4	74.3	73.9	73.2	72.2	71.0	69.5	67.7
70°	88.7	89.3	89.7	89.8	89.7	89.3	88.7	87.9	86.8	85.4	83.9
67.5°	105.6	106.4	106.8	107.0	106.8	106.4	105.6	104.5	103.1	101.5	99.5
65°	125.2	126.2	126.8	127.0	126.8	126.2	125.2	123.8	121.9	119.7	117.2
62.5°	150.6	152.1	153.0	153.3	153.0	152.1	150.6	148.5	145.9	142.7	138.9
60°	183.8	186.0	187.3	187.7	187.3	186.0	183.8	180.8	177.0	172.3	166.8
57.5°	256.8	262.2	265.5	266.6	265.5	262.2	256.8	249.2	239.4	227.6	213.8
55°	384.1	394.4	400.6	402.7	400.6	394.4	384.1	369.6	351.2	328.9	302.7
52.5°	596.9	615.9	627.4	631.2	627.4	615.9	596.9	570.4	536.6	495.6	447.6
50°	791.2	808.6	819.1	822.6	819.1	808.6	791.2	767.0	736.1	698.6	654.9
47.5°	912.7	923.6	930.2	932.4	930.2	923.6	912.7	897.6	878.3	854.9	827.6
45°	971.0	976.2	979.4	980.4	979.4	976.2	971.0	963.8	954.6	943.5	928.3
42.5°	1230.3	1267.8	1290.3	1297.9	1290.3	1267.8	1230.3	1178.3	1112.2	1032.5	974.3
40°	2453.0	2646.5	2763.4	2802.5	2763.4	2646.5	2453.0	2184.7	1844.1	1434.2	1226.3
37.5°	8043.5	9029.5	9625.6	9825.1	9625.6	9029.5	8043.5	6678.4	4948.7	2871.6	2302.0
35°	21186.3	23601.3	25063.1	25552.6	25063.1	23601.3	21186.3	17849.0	13629.8	9267.7	6662.6
32.5°	36601.2	39275.8	40897.3	41440.7	40897.3	39275.8	36601.2	32913.3	28263.6	22741.3	16419.2
30°	46854.4	48362.6	49278.8	49586.1	49278.8	48362.6	46854.4	44780.5	42174.6	36827.2	29901.0
27.5°	50804.2	51200.3	51441.4	51522.4	51441.4	51200.3	50804.2	50261.5	49571.1	46190.1	42335.5
25°	52624.3	53050.2	53310.5	53398.0	53310.5	53050.2	52624.3	52043.1	51313.2	50434.5	48966.5
22.5°	55069.3	55858.1	56342.0	56505.2	56342.0	55858.1	55069.3	53999.3	52962.5	52029.8	50963.0
20°	59598.5	61451.6	62595.0	62981.8	62595.0	61451.6	59598.5	57104.3	55326.3	53628.9	52395.0
17.5°	70972.8	77435.6	81456.3	82822.4	81456.3	77435.6	70972.8	62780.5	59377.0	56014.3	53953.4
15°	108179.9	139171.1	158683.9	165359.1	158683.9	139171.1	108179.9	79141.1	67479.4	60156.5	56014.3
12.5°	196906.3	279246.1	337966.6	359583.0	337966.6	279246.1	196906.3	133733.7	81973.5	67479.4	59377.0
10°	361618.2	474264.1	539556.0	561901.5	539556.0	474264.1	361618.2	227560.5	133733.7	79141.1	62780.5
7.5°	518526.8	614666.6	647363.0	653966.7	647363.0	614666.6	518526.8	361618.2	196906.3	108179.9	70972.8
5°	614666.6	661061.4	666486.5	666127.2	666486.5	661061.4	614666.6	474264.1	279246.1	139171.1	77435.6
2.5°	647363.0	666486.5	661231.7	658185.0	661231.7	666486.5	647363.0	539556.0	337966.6	158683.9	81456.3
0°	653966.7	666127.2	658185.0	655986.5	658185.0	666127.2	653966.7	561901.5	359583.0	165359.1	82822.4
-2.5°	647363.0	666486.5	661231.7	658185.0	661231.7	666486.5	647363.0	539556.0	337966.6	158683.9	81456.3
-5°	614666.6	661061.4	666486.5	666127.2	666486.5	661061.4	614666.6	474264.1	279246.1	139171.1	77435.6
-7.5°	518526.8	614666.6	647363.0	653966.7	647363.0	614666.6	518526.8	361618.2	196906.3	108179.9	70972.8
-10°	361618.2	474264.1	539556.0	561901.5	539556.0	474264.1	361618.2	227560.5	133733.7	79141.1	62780.5
-12.5°	196906.3	279246.1	337966.6	359583.0	337966.6	279246.1	196906.3	133733.7	81973.5	67479.4	59377.0
-15°	108179.9	139171.1	158683.9	165359.1	158683.9	139171.1	108179.9	79141.1	67479.4	60156.5	56014.3
-17.5°	70972.8	77435.6	81456.3	82822.4	81456.3	77435.6	70972.8	62780.5	59377.0	56014.3	53953.4
-20°	59598.5	61451.6	62595.0	62981.8	62595.0	61451.6	59598.5	57104.3	55326.3	53628.9	52395.0



REPORT NUMBER: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	55069.3	55858.1	56342.0	56505.2	56342.0	55858.1	55069.3	53999.3	52962.5	52029.8	50963.0
-25°	52624.3	53050.2	53310.5	53398.0	53310.5	53050.2	52624.3	52043.1	51313.2	50434.5	48966.5
-27.5°	50804.2	51200.3	51441.4	51522.4	51441.4	51200.3	50804.2	50261.5	49571.1	46190.1	42335.5
-30°	46854.4	48362.6	49278.8	49586.1	49278.8	48362.6	46854.4	44780.5	42174.6	36827.2	29901.0
-32.5°	36601.2	39275.8	40897.3	41440.7	40897.3	39275.8	36601.2	32913.3	28263.6	22741.3	16419.2
-35°	21186.3	23601.3	25063.1	25552.6	25063.1	23601.3	21186.3	17849.0	13629.8	9267.7	6662.6
-37.5°	8043.5	9029.5	9625.6	9825.1	9625.6	9029.5	8043.5	6678.4	4948.7	2871.6	2302.0
-40°	2453.0	2646.5	2763.4	2802.5	2763.4	2646.5	2453.0	2184.7	1844.1	1434.2	1226.3
-42.5°	1230.3	1267.8	1290.3	1297.9	1290.3	1267.8	1230.3	1178.3	1112.2	1032.5	974.3
-45°	971.0	976.2	979.4	980.4	979.4	976.2	971.0	963.8	954.6	943.5	928.3
-47.5°	912.7	923.6	930.2	932.4	930.2	923.6	912.7	897.6	878.3	854.9	827.6
-50°	791.2	808.6	819.1	822.6	819.1	808.6	791.2	767.0	736.1	698.6	654.9
-52.5°	596.9	615.9	627.4	631.2	627.4	615.9	596.9	570.4	536.6	495.6	447.6
-55°	384.1	394.4	400.6	402.7	400.6	394.4	384.1	369.6	351.2	328.9	302.7
-57.5°	256.8	262.2	265.5	266.6	265.5	262.2	256.8	249.2	239.4	227.6	213.8
-60°	183.8	186.0	187.3	187.7	187.3	186.0	183.8	180.8	177.0	172.3	166.8
-62.5°	150.6	152.1	153.0	153.3	153.0	152.1	150.6	148.5	145.9	142.7	138.9
-65°	125.2	126.2	126.8	127.0	126.8	126.2	125.2	123.8	121.9	119.7	117.2
-67.5°	105.6	106.4	106.8	107.0	106.8	106.4	105.6	104.5	103.1	101.5	99.5
-70°	88.7	89.3	89.7	89.8	89.7	89.3	88.7	87.9	86.8	85.4	83.9
-72.5°	73.2	73.9	74.3	74.4	74.3	73.9	73.2	72.2	71.0	69.5	67.7
-75°	53.7	54.1	54.3	54.4	54.3	54.1	53.7	53.1	52.4	51.6	50.5
-77.5°	40.3	40.6	40.7	40.8	40.7	40.6	40.3	39.9	39.4	38.8	38.0
-80°	28.7	28.8	29.0	29.0	29.0	28.8	28.7	28.4	28.0	27.6	27.1
-82.5°	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.6	18.4	18.2	17.9
-85°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.4
-87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1
-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: P1306575 (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°	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8
85°	10.2	10.1	9.9	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7
82.5°	17.5	17.1	16.7	16.2	15.7	15.2	14.6	14.0	13.3	12.6	11.9
80°	26.6	25.9	25.2	24.4	23.6	22.7	21.7	20.7	19.6	18.5	17.6
77.5°	37.2	36.2	35.2	34.0	32.8	31.4	30.0	28.5	27.2	25.7	24.2
75°	49.4	48.1	46.6	45.0	43.3	41.4	39.6	37.7	35.8	33.7	31.6
72.5°	65.7	63.4	60.9	58.2	55.2	52.7	50.4	47.9	45.2	42.5	39.7
70°	82.1	80.1	77.8	75.4	72.2	68.5	64.6	60.4	55.9	52.3	48.9
67.5°	97.2	94.6	91.8	88.8	85.8	82.6	79.1	75.5	70.8	65.5	60.0
65°	114.2	110.9	107.2	103.7	99.9	95.9	91.6	87.3	83.0	78.4	73.5
62.5°	134.5	129.7	124.9	120.4	115.6	110.4	105.1	100.0	94.7	89.2	84.0
60°	160.5	153.5	147.5	141.0	133.9	126.5	120.4	114.0	107.2	101.0	94.6
57.5°	197.9	184.4	175.9	166.6	156.5	147.5	138.7	129.4	121.4	113.7	105.8
55°	272.8	250.8	229.4	206.1	184.7	173.0	160.5	148.8	138.2	127.2	118.4
52.5°	396.9	360.4	320.2	276.5	245.0	215.9	186.5	172.3	157.4	144.6	132.2
50°	600.0	533.5	460.4	389.7	338.8	284.5	243.6	208.6	180.8	164.2	148.4
47.5°	777.3	717.0	650.8	568.7	476.6	388.3	326.6	263.8	224.5	186.0	167.6
45°	894.7	857.3	811.6	734.1	651.2	549.9	438.9	355.0	282.8	232.6	187.7
42.5°	958.4	940.7	907.3	859.6	798.1	703.8	599.5	475.6	369.4	289.9	232.6
40°	1112.7	986.8	960.6	938.2	891.1	833.4	735.8	624.5	487.9	369.4	282.8
37.5°	1720.9	1251.6	1104.1	975.1	949.6	910.4	846.0	746.5	624.5	475.6	355.0
35°	3733.8	2310.6	1560.7	1183.8	1004.1	955.4	916.8	846.0	735.8	599.5	438.9
32.5°	9607.3	6135.9	2712.9	1855.1	1224.2	1023.8	955.4	910.4	833.4	703.8	549.9
30°	22209.9	13851.0	7606.2	3336.8	1954.1	1224.2	1004.1	949.6	891.1	798.1	651.2
27.5°	34842.6	25768.0	16145.2	8101.4	3336.8	1855.1	1183.8	975.1	938.2	859.6	734.1
25°	44345.9	37361.3	26979.8	16145.2	7606.2	2712.9	1560.7	1104.1	960.6	907.3	811.6
22.5°	49776.5	45025.6	37361.3	25768.0	13851.0	6135.9	2310.6	1251.6	986.8	940.7	857.3
20°	51142.2	49776.5	44345.9	34842.6	22209.9	9607.3	3733.8	1720.9	1112.7	958.4	894.7
17.5°	52395.0	50963.0	48966.5	42335.5	29901.0	16419.2	6662.6	2302.0	1226.3	974.3	928.3
15°	53628.9	52029.8	50434.5	46190.1	36827.2	22741.3	9267.7	2871.6	1434.2	1032.5	943.5
12.5°	55326.3	52962.5	51313.2	49571.1	42174.6	28263.6	13629.8	4948.7	1844.1	1112.2	954.6
10°	57104.3	53999.3	52043.1	50261.5	44780.5	32913.3	17849.0	6678.4	2184.7	1178.3	963.8
7.5°	59598.5	55069.3	52624.3	50804.2	46854.4	36601.2	21186.3	8043.5	2453.0	1230.3	971.0
5°	61451.6	55858.1	53050.2	51200.3	48362.6	39275.8	23601.3	9029.5	2646.5	1267.8	976.2
2.5°	62595.0	56342.0	53310.5	51441.4	49278.8	40897.3	25063.1	9625.6	2763.4	1290.3	979.4
0°	62981.8	56505.2	53398.0	51522.4	49586.1	41440.7	25552.6	9825.1	2802.5	1297.9	980.4
-2.5°	62595.0	56342.0	53310.5	51441.4	49278.8	40897.3	25063.1	9625.6	2763.4	1290.3	979.4
-5°	61451.6	55858.1	53050.2	51200.3	48362.6	39275.8	23601.3	9029.5	2646.5	1267.8	976.2
-7.5°	59598.5	55069.3	52624.3	50804.2	46854.4	36601.2	21186.3	8043.5	2453.0	1230.3	971.0
-10°	57104.3	53999.3	52043.1	50261.5	44780.5	32913.3	17849.0	6678.4	2184.7	1178.3	963.8
-12.5°	55326.3	52962.5	51313.2	49571.1	42174.6	28263.6	13629.8	4948.7	1844.1	1112.2	954.6
-15°	53628.9	52029.8	50434.5	46190.1	36827.2	22741.3	9267.7	2871.6	1434.2	1032.5	943.5
-17.5°	52395.0	50963.0	48966.5	42335.5	29901.0	16419.2	6662.6	2302.0	1226.3	974.3	928.3
-20°	51142.2	49776.5	44345.9	34842.6	22209.9	9607.3	3733.8	1720.9	1112.7	958.4	894.7



REPORT NUMBER: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	49776.5	45025.6	37361.3	25768.0	13851.0	6135.9	2310.6	1251.6	986.8	940.7	857.3
-25°	44345.9	37361.3	26979.8	16145.2	7606.2	2712.9	1560.7	1104.1	960.6	907.3	811.6
-27.5°	34842.6	25768.0	16145.2	8101.4	3336.8	1855.1	1183.8	975.1	938.2	859.6	734.1
-30°	22209.9	13851.0	7606.2	3336.8	1954.1	1224.2	1004.1	949.6	891.1	798.1	651.2
-32.5°	9607.3	6135.9	2712.9	1855.1	1224.2	1023.8	955.4	910.4	833.4	703.8	549.9
-35°	3733.8	2310.6	1560.7	1183.8	1004.1	955.4	916.8	846.0	735.8	599.5	438.9
-37.5°	1720.9	1251.6	1104.1	975.1	949.6	910.4	846.0	746.5	624.5	475.6	355.0
-40°	1112.7	986.8	960.6	938.2	891.1	833.4	735.8	624.5	487.9	369.4	282.8
-42.5°	958.4	940.7	907.3	859.6	798.1	703.8	599.5	475.6	369.4	289.9	232.6
-45°	894.7	857.3	811.6	734.1	651.2	549.9	438.9	355.0	282.8	232.6	187.7
-47.5°	777.3	717.0	650.8	568.7	476.6	388.3	326.6	263.8	224.5	186.0	167.6
-50°	600.0	533.5	460.4	389.7	338.8	284.5	243.6	208.6	180.8	164.2	148.4
-52.5°	396.9	360.4	320.2	276.5	245.0	215.9	186.5	172.3	157.4	144.6	132.2
-55°	272.8	250.8	229.4	206.1	184.7	173.0	160.5	148.8	138.2	127.2	118.4
-57.5°	197.9	184.4	175.9	166.6	156.5	147.5	138.7	129.4	121.4	113.7	105.8
-60°	160.5	153.5	147.5	141.0	133.9	126.5	120.4	114.0	107.2	101.0	94.6
-62.5°	134.5	129.7	124.9	120.4	115.6	110.4	105.1	100.0	94.7	89.2	84.0
-65°	114.2	110.9	107.2	103.7	99.9	95.9	91.6	87.3	83.0	78.4	73.5
-67.5°	97.2	94.6	91.8	88.8	85.8	82.6	79.1	75.5	70.8	65.5	60.0
-70°	82.1	80.1	77.8	75.4	72.2	68.5	64.6	60.4	55.9	52.3	48.9
-72.5°	65.7	63.4	60.9	58.2	55.2	52.7	50.4	47.9	45.2	42.5	39.7
-75°	49.4	48.1	46.6	45.0	43.3	41.4	39.6	37.7	35.8	33.7	31.6
-77.5°	37.2	36.2	35.2	34.0	32.8	31.4	30.0	28.5	27.2	25.7	24.2
-80°	26.6	25.9	25.2	24.4	23.6	22.7	21.7	20.7	19.6	18.5	17.6
-82.5°	17.5	17.1	16.7	16.2	15.7	15.2	14.6	14.0	13.3	12.6	11.9
-85°	10.2	10.1	9.9	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7
-87.5°	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8
-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: P1306575 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-5R-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°	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6
85°	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.1	3.7	3.2
82.5°	11.1	10.5	9.9	9.3	8.7	8.1	7.5	6.9	6.2	5.5	4.9
80°	16.5	15.5	14.4	13.2	12.0	10.9	10.0	9.2	8.3	7.4	6.5
77.5°	22.6	21.0	19.3	17.8	16.3	14.8	13.3	11.7	10.4	9.2	8.1
75°	29.3	27.3	25.3	23.1	21.0	18.8	16.9	15.0	13.1	11.2	9.7
72.5°	37.1	34.4	31.6	28.7	26.2	23.6	20.9	18.4	16.1	13.8	11.5
70°	45.5	41.9	38.5	35.2	31.8	28.4	25.3	22.2	19.1	16.5	13.8
67.5°	54.3	50.3	46.1	41.8	37.8	33.9	29.8	26.2	22.7	19.1	16.1
65°	67.1	60.5	53.9	49.1	44.2	39.4	34.9	30.4	26.2	22.2	18.4
62.5°	78.6	72.5	65.0	57.3	50.9	45.4	39.9	34.9	29.8	25.3	20.9
60°	88.2	82.1	75.8	67.7	59.1	51.6	45.4	39.4	33.9	28.4	23.6
57.5°	98.6	91.2	84.2	77.2	68.6	59.1	50.9	44.2	37.8	31.8	26.2
55°	109.4	101.0	92.8	84.9	77.2	67.7	57.3	49.1	41.8	35.2	28.7
52.5°	121.3	111.3	101.9	92.8	84.2	75.8	65.0	53.9	46.1	38.5	31.6
50°	134.8	122.2	111.3	101.0	91.2	82.1	72.5	60.5	50.3	41.9	34.4
47.5°	149.7	134.8	121.3	109.4	98.6	88.2	78.6	67.1	54.3	45.5	37.1
45°	167.6	148.4	132.2	118.4	105.8	94.6	84.0	73.5	60.0	48.9	39.7
42.5°	186.0	164.2	144.6	127.2	113.7	101.0	89.2	78.4	65.5	52.3	42.5
40°	224.5	180.8	157.4	138.2	121.4	107.2	94.7	83.0	70.8	55.9	45.2
37.5°	263.8	208.6	172.3	148.8	129.4	114.0	100.0	87.3	75.5	60.4	47.9
35°	326.6	243.6	186.5	160.5	138.7	120.4	105.1	91.6	79.1	64.6	50.4
32.5°	388.3	284.5	215.9	173.0	147.5	126.5	110.4	95.9	82.6	68.5	52.7
30°	476.6	338.8	245.0	184.7	156.5	133.9	115.6	99.9	85.8	72.2	55.2
27.5°	568.7	389.7	276.5	206.1	166.6	141.0	120.4	103.7	88.8	75.4	58.2
25°	650.8	460.4	320.2	229.4	175.9	147.5	124.9	107.2	91.8	77.8	60.9
22.5°	717.0	533.5	360.4	250.8	184.4	153.5	129.7	110.9	94.6	80.1	63.4
20°	777.3	600.0	396.9	272.8	197.9	160.5	134.5	114.2	97.2	82.1	65.7
17.5°	827.6	654.9	447.6	302.7	213.8	166.8	138.9	117.2	99.5	83.9	67.7
15°	854.9	698.6	495.6	328.9	227.6	172.3	142.7	119.7	101.5	85.4	69.5
12.5°	878.3	736.1	536.6	351.2	239.4	177.0	145.9	121.9	103.1	86.8	71.0
10°	897.6	767.0	570.4	369.6	249.2	180.8	148.5	123.8	104.5	87.9	72.2
7.5°	912.7	791.2	596.9	384.1	256.8	183.8	150.6	125.2	105.6	88.7	73.2
5°	923.6	808.6	615.9	394.4	262.2	186.0	152.1	126.2	106.4	89.3	73.9
2.5°	930.2	819.1	627.4	400.6	265.5	187.3	153.0	126.8	106.8	89.7	74.3
0°	932.4	822.6	631.2	402.7	266.6	187.7	153.3	127.0	107.0	89.8	74.4
-2.5°	930.2	819.1	627.4	400.6	265.5	187.3	153.0	126.8	106.8	89.7	74.3
-5°	923.6	808.6	615.9	394.4	262.2	186.0	152.1	126.2	106.4	89.3	73.9
-7.5°	912.7	791.2	596.9	384.1	256.8	183.8	150.6	125.2	105.6	88.7	73.2
-10°	897.6	767.0	570.4	369.6	249.2	180.8	148.5	123.8	104.5	87.9	72.2
-12.5°	878.3	736.1	536.6	351.2	239.4	177.0	145.9	121.9	103.1	86.8	71.0
-15°	854.9	698.6	495.6	328.9	227.6	172.3	142.7	119.7	101.5	85.4	69.5
-17.5°	827.6	654.9	447.6	302.7	213.8	166.8	138.9	117.2	99.5	83.9	67.7
-20°	777.3	600.0	396.9	272.8	197.9	160.5	134.5	114.2	97.2	82.1	65.7



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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°	717.0	533.5	360.4	250.8	184.4	153.5	129.7	110.9	94.6	80.1	63.4
-25°	650.8	460.4	320.2	229.4	175.9	147.5	124.9	107.2	91.8	77.8	60.9
-27.5°	568.7	389.7	276.5	206.1	166.6	141.0	120.4	103.7	88.8	75.4	58.2
-30°	476.6	338.8	245.0	184.7	156.5	133.9	115.6	99.9	85.8	72.2	55.2
-32.5°	388.3	284.5	215.9	173.0	147.5	126.5	110.4	95.9	82.6	68.5	52.7
-35°	326.6	243.6	186.5	160.5	138.7	120.4	105.1	91.6	79.1	64.6	50.4
-37.5°	263.8	208.6	172.3	148.8	129.4	114.0	100.0	87.3	75.5	60.4	47.9
-40°	224.5	180.8	157.4	138.2	121.4	107.2	94.7	83.0	70.8	55.9	45.2
-42.5°	186.0	164.2	144.6	127.2	113.7	101.0	89.2	78.4	65.5	52.3	42.5
-45°	167.6	148.4	132.2	118.4	105.8	94.6	84.0	73.5	60.0	48.9	39.7
-47.5°	149.7	134.8	121.3	109.4	98.6	88.2	78.6	67.1	54.3	45.5	37.1
-50°	134.8	122.2	111.3	101.0	91.2	82.1	72.5	60.5	50.3	41.9	34.4
-52.5°	121.3	111.3	101.9	92.8	84.2	75.8	65.0	53.9	46.1	38.5	31.6
-55°	109.4	101.0	92.8	84.9	77.2	67.7	57.3	49.1	41.8	35.2	28.7
-57.5°	98.6	91.2	84.2	77.2	68.6	59.1	50.9	44.2	37.8	31.8	26.2
-60°	88.2	82.1	75.8	67.7	59.1	51.6	45.4	39.4	33.9	28.4	23.6
-62.5°	78.6	72.5	65.0	57.3	50.9	45.4	39.9	34.9	29.8	25.3	20.9
-65°	67.1	60.5	53.9	49.1	44.2	39.4	34.9	30.4	26.2	22.2	18.4
-67.5°	54.3	50.3	46.1	41.8	37.8	33.9	29.8	26.2	22.7	19.1	16.1
-70°	45.5	41.9	38.5	35.2	31.8	28.4	25.3	22.2	19.1	16.5	13.8
-72.5°	37.1	34.4	31.6	28.7	26.2	23.6	20.9	18.4	16.1	13.8	11.5
-75°	29.3	27.3	25.3	23.1	21.0	18.8	16.9	15.0	13.1	11.2	9.7
-77.5°	22.6	21.0	19.3	17.8	16.3	14.8	13.3	11.7	10.4	9.2	8.1
-80°	16.5	15.5	14.4	13.2	12.0	10.9	10.0	9.2	8.3	7.4	6.5
-82.5°	11.1	10.5	9.9	9.3	8.7	8.1	7.5	6.9	6.2	5.5	4.9
-85°	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.1	3.7	3.2
-87.5°	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6
-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°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
85°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
82.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
80°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
77.5°	7.0	5.8	4.7	3.5	2.3	1.2	0.0
75°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
72.5°	9.7	8.1	6.5	4.9	3.2	1.6	0.0
70°	11.2	9.2	7.4	5.5	3.7	1.8	0.0
67.5°	13.1	10.4	8.3	6.2	4.1	2.1	0.0
65°	15.0	11.7	9.2	6.9	4.6	2.3	0.0
62.5°	16.9	13.3	10.0	7.5	5.0	2.5	0.0
60°	18.8	14.8	10.9	8.1	5.4	2.7	0.0
57.5°	21.0	16.3	12.0	8.7	5.8	2.9	0.0
55°	23.1	17.8	13.2	9.3	6.2	3.1	0.0
52.5°	25.3	19.3	14.4	9.9	6.6	3.3	0.0
50°	27.3	21.0	15.5	10.5	7.0	3.5	0.0
47.5°	29.3	22.6	16.5	11.1	7.3	3.6	0.0
45°	31.6	24.2	17.6	11.9	7.7	3.8	0.0
42.5°	33.7	25.7	18.5	12.6	8.0	4.0	0.0
40°	35.8	27.2	19.6	13.3	8.3	4.1	0.0
37.5°	37.7	28.5	20.7	14.0	8.6	4.3	0.0
35°	39.6	30.0	21.7	14.6	8.9	4.4	0.0
32.5°	41.4	31.4	22.7	15.2	9.2	4.6	0.0
30°	43.3	32.8	23.6	15.7	9.4	4.7	0.0
27.5°	45.0	34.0	24.4	16.2	9.7	4.8	0.0
25°	46.6	35.2	25.2	16.7	9.9	4.9	0.0
22.5°	48.1	36.2	25.9	17.1	10.1	5.0	0.0
20°	49.4	37.2	26.6	17.5	10.2	5.1	0.0
17.5°	50.5	38.0	27.1	17.9	10.4	5.1	0.0
15°	51.6	38.8	27.6	18.2	10.5	5.2	0.0
12.5°	52.4	39.4	28.0	18.4	10.6	5.3	0.0
10°	53.1	39.9	28.4	18.6	10.7	5.3	0.0
7.5°	53.7	40.3	28.7	18.8	10.8	5.4	0.0
5°	54.1	40.6	28.8	18.9	10.9	5.4	0.0
2.5°	54.3	40.7	29.0	19.0	10.9	5.4	0.0
0°	54.4	40.8	29.0	19.0	10.9	5.4	0.0
-2.5°	54.3	40.7	29.0	19.0	10.9	5.4	0.0
-5°	54.1	40.6	28.8	18.9	10.9	5.4	0.0
-7.5°	53.7	40.3	28.7	18.8	10.8	5.4	0.0
-10°	53.1	39.9	28.4	18.6	10.7	5.3	0.0
-12.5°	52.4	39.4	28.0	18.4	10.6	5.3	0.0
-15°	51.6	38.8	27.6	18.2	10.5	5.2	0.0
-17.5°	50.5	38.0	27.1	17.9	10.4	5.1	0.0
-20°	49.4	37.2	26.6	17.5	10.2	5.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	48.1	36.2	25.9	17.1	10.1	5.0	0.0
-25°	46.6	35.2	25.2	16.7	9.9	4.9	0.0
-27.5°	45.0	34.0	24.4	16.2	9.7	4.8	0.0
-30°	43.3	32.8	23.6	15.7	9.4	4.7	0.0
-32.5°	41.4	31.4	22.7	15.2	9.2	4.6	0.0
-35°	39.6	30.0	21.7	14.6	8.9	4.4	0.0
-37.5°	37.7	28.5	20.7	14.0	8.6	4.3	0.0
-40°	35.8	27.2	19.6	13.3	8.3	4.1	0.0
-42.5°	33.7	25.7	18.5	12.6	8.0	4.0	0.0
-45°	31.6	24.2	17.6	11.9	7.7	3.8	0.0
-47.5°	29.3	22.6	16.5	11.1	7.3	3.6	0.0
-50°	27.3	21.0	15.5	10.5	7.0	3.5	0.0
-52.5°	25.3	19.3	14.4	9.9	6.6	3.3	0.0
-55°	23.1	17.8	13.2	9.3	6.2	3.1	0.0
-57.5°	21.0	16.3	12.0	8.7	5.8	2.9	0.0
-60°	18.8	14.8	10.9	8.1	5.4	2.7	0.0
-62.5°	16.9	13.3	10.0	7.5	5.0	2.5	0.0
-65°	15.0	11.7	9.2	6.9	4.6	2.3	0.0
-67.5°	13.1	10.4	8.3	6.2	4.1	2.1	0.0
-70°	11.2	9.2	7.4	5.5	3.7	1.8	0.0
-72.5°	9.7	8.1	6.5	4.9	3.2	1.6	0.0
-75°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
-77.5°	7.0	5.8	4.7	3.5	2.3	1.2	0.0
-80°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
-82.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-85°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
-87.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)