

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: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-70-1S-A**

Issue Date: 2/3/2026

Test Information

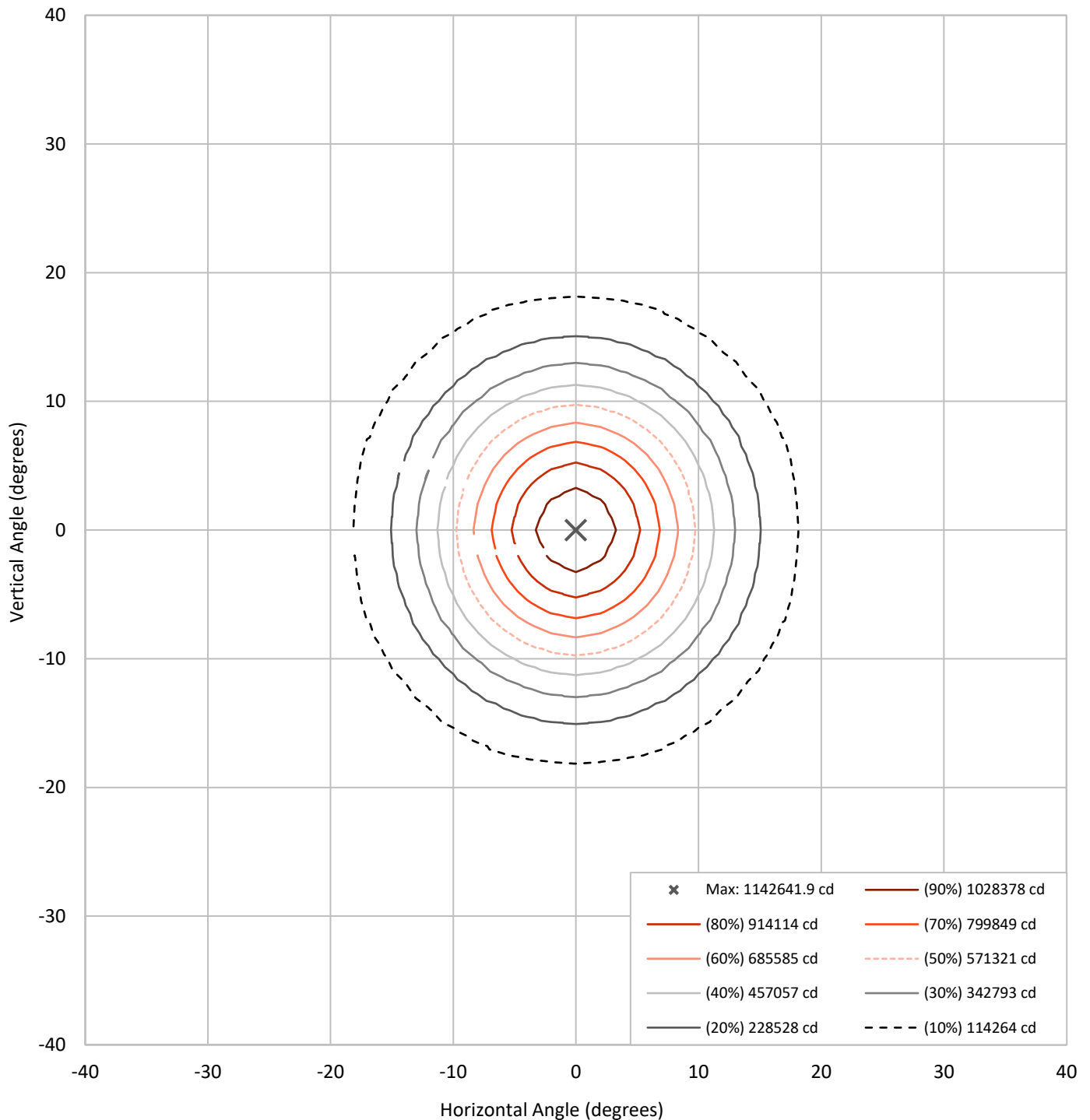
Test Method: LM-79-08
Report Number: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-46)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-57-70-1S-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 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:	173910.1 lumens	Max Intensity:	1142641.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	134.8 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:	77478.3 lumens	Field Lumens:	134656.2 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



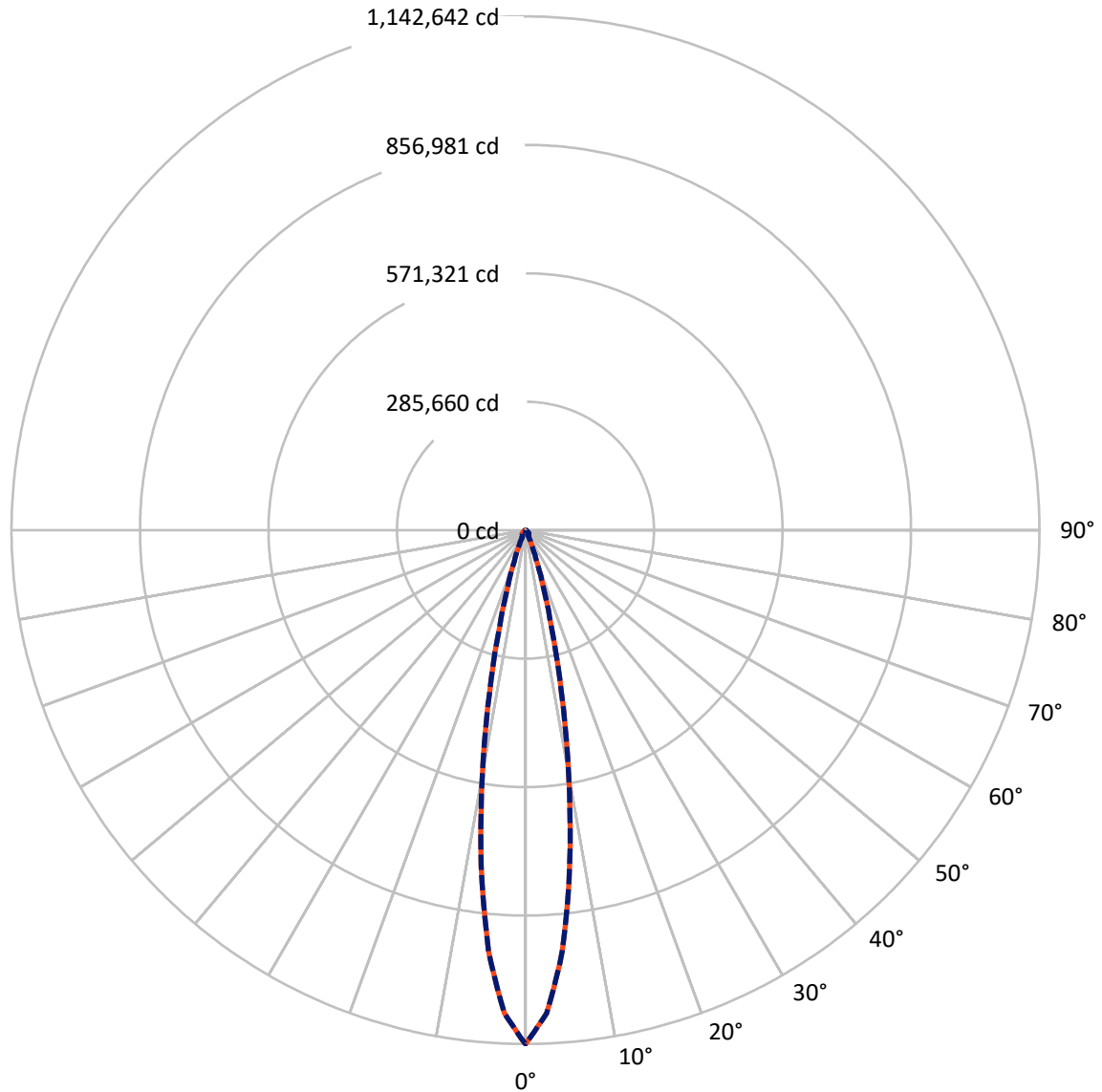
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Lumen Table

90	0.3	2.1		7.5		18.1		23.5		18.1		7.5		2.1		0.3
80	0.3	2.1		7.5		18.1		23.5		18.1		7.5		2.1		0.3
70	0.9	1.1	4.5	12.4	23.9	36.4	46.8	52.6	52.6	46.8	36.4	23.9	12.4	4.5	1.1	0.9
60		3.4	14.2	33.5	58.0	81.0	97.8	106.9	106.9	97.8	81.0	58.0	33.5	14.2	3.4	
50	2.5	7.6	27.4	58.4	91.2	151.3	228.2	270.9	270.9	228.2	151.3	91.2	58.4	27.4	7.6	2.5
40		12.7	41.0	78.9	177.0	294.4	341.3	360.2	360.2	341.3	294.4	177.0	78.9	41.0	12.7	
30	5.2	17.5	51.7	119.3	266.4	330.2	442.2	763.5	763.5	442.2	330.2	266.4	119.3	51.7	17.5	5.2
20		21.1	58.6	169.2	289.6	416.0	1999.6	6354.1	6354.1	1999.6	416.0	289.6	169.2	58.6	21.1	
10	6.5	23.0	62.1	194.3	296.4	701.8	6196.4	21939.7	21939.7	6196.4	701.8	296.4	194.3	62.1	23.0	6.5
0		23.0	62.1	194.3	296.4	701.8	6196.4	21939.7	21939.7	6196.4	701.8	296.4	194.3	62.1	23.0	
-10	5.2	21.1	58.6	169.2	289.6	416.0	1999.6	6354.1	6354.1	1999.6	416.0	289.6	169.2	58.6	21.1	5.2
-20		17.5	51.7	119.3	266.4	330.2	442.2	763.5	763.5	442.2	330.2	266.4	119.3	51.7	17.5	
-30	2.5	12.7	41.0	78.9	177.0	294.4	341.3	360.2	360.2	341.3	294.4	177.0	78.9	41.0	12.7	2.5
-40		7.6	27.4	58.4	91.2	151.3	228.2	270.9	270.9	228.2	151.3	91.2	58.4	27.4	7.6	
-50	0.9	3.4	14.2	33.5	58.0	81.0	97.8	106.9	106.9	97.8	81.0	58.0	33.5	14.2	3.4	0.9
-60		1.1	4.5	12.4	23.9	36.4	46.8	52.6	52.6	46.8	36.4	23.9	12.4	4.5	1.1	
-70	0.3	2.1		7.5		18.1		23.5		18.1		7.5		2.1		0.3
-80		2.1		7.5		18.1		23.5		18.1		7.5		2.1		
-90	0.3	2.1		7.5		18.1		23.5		18.1		7.5		2.1		0.3

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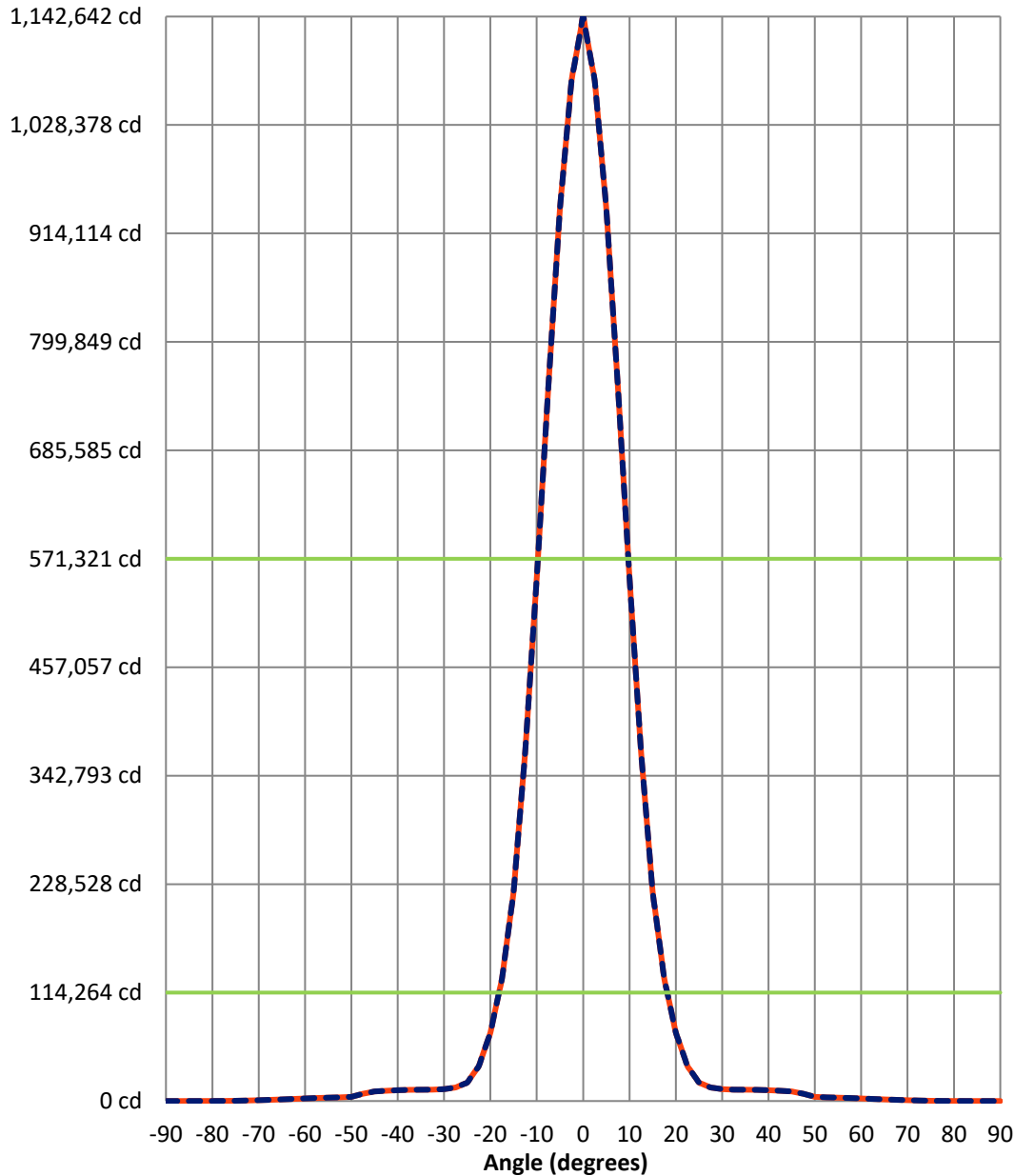
Luminous Intensity Polar Plot



— 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: 77478.3
 Efficiency: 44.6%

Field:
 H Angle: 36.3°
 V Angle: 36.3°
 Lumens: 134656.2
 Efficiency: 77.4%

Spill:
 Lumens: 39253.8
 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	8.1
85°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
82.5°	0.0	2.5	5.0	7.5	9.9	12.4	14.8	17.2	19.3	20.5	21.6
80°	0.0	3.3	6.6	9.9	13.2	16.5	19.4	21.0	22.6	24.1	25.7
77.5°	0.0	4.1	8.3	12.4	16.5	19.8	21.8	23.8	25.8	27.7	30.6
75°	0.0	4.9	9.9	14.8	19.4	21.8	24.2	26.6	29.3	33.9	38.5
72.5°	0.0	5.7	11.5	17.2	21.0	23.8	26.6	30.1	35.6	41.0	46.3
70°	0.0	6.5	13.1	19.3	22.6	25.8	29.3	35.6	41.8	48.0	54.0
67.5°	0.0	7.3	14.6	20.5	24.1	27.7	33.9	41.0	48.0	54.9	61.7
65°	0.0	8.1	16.1	21.6	25.7	30.6	38.5	46.3	54.0	61.7	73.6
62.5°	0.0	8.8	17.6	22.8	27.2	34.3	42.9	51.5	60.0	71.1	95.8
60°	0.0	9.5	19.1	23.9	28.6	38.0	47.3	56.6	65.8	90.7	117.5
57.5°	0.0	10.3	19.8	24.9	31.4	41.5	51.6	61.6	80.5	109.8	165.0
55°	0.0	11.0	20.5	26.0	34.2	45.0	55.8	66.5	97.2	136.1	223.8
52.5°	0.0	11.6	21.2	27.0	36.9	48.3	59.8	79.6	113.3	187.6	281.0
50°	0.0	12.3	21.8	28.0	39.5	51.6	63.7	93.3	137.4	237.6	368.7
47.5°	0.0	12.9	22.5	29.2	42.0	54.8	68.6	106.5	180.3	285.9	457.3
45°	0.0	13.5	23.1	31.0	44.4	57.8	79.5	119.3	221.7	362.0	542.8
42.5°	0.0	14.1	23.6	32.7	46.7	60.7	90.0	144.5	261.3	435.7	642.5
40°	0.0	14.6	24.2	34.3	48.9	63.5	100.0	177.6	307.2	506.3	740.9
37.5°	0.0	15.2	24.7	35.9	51.0	66.1	109.5	209.1	366.7	578.1	834.8
35°	0.0	15.6	25.2	37.4	53.0	71.9	118.4	238.9	423.1	657.8	929.6
32.5°	0.0	16.1	25.7	38.8	54.9	78.9	131.4	266.9	476.1	732.9	1028.0
30°	0.0	16.5	26.1	40.1	56.6	85.4	153.8	297.2	525.8	803.2	1120.2
27.5°	0.0	16.9	26.5	41.3	58.2	91.5	174.6	337.3	576.3	868.7	1206.0
25°	0.0	17.3	26.9	42.4	59.7	97.1	193.7	374.3	629.5	935.7	1285.7
22.5°	0.0	17.6	27.2	43.4	61.1	102.2	211.2	408.0	678.1	1000.3	1368.7
20°	0.0	17.9	27.5	44.3	62.3	106.8	226.9	438.4	721.9	1058.5	1443.6
17.5°	0.0	18.2	27.8	45.1	63.4	110.9	240.9	465.4	760.8	1110.2	1510.2
15°	0.0	18.4	28.0	45.8	64.4	114.5	253.0	489.0	794.7	1155.4	1568.4
12.5°	0.0	18.6	28.2	46.4	65.2	117.5	263.4	509.0	823.6	1193.8	1617.9
10°	0.0	18.8	28.4	46.9	65.8	120.0	271.8	525.4	847.3	1225.4	1658.6
7.5°	0.0	18.9	28.5	47.3	66.3	121.9	278.5	538.3	865.8	1250.1	1690.4
5°	0.0	19.0	28.6	47.6	66.7	123.3	283.2	547.4	879.1	1267.7	1713.2
2.5°	0.0	19.1	28.7	47.7	66.9	124.1	286.0	553.0	887.0	1278.4	1726.9
0°	0.0	19.1	28.7	47.8	67.0	124.4	287.0	554.8	889.7	1281.9	1731.5
-2.5°	0.0	19.1	28.7	47.7	66.9	124.1	286.0	553.0	887.0	1278.4	1726.9
-5°	0.0	19.0	28.6	47.6	66.7	123.3	283.2	547.4	879.1	1267.7	1713.2
-7.5°	0.0	18.9	28.5	47.3	66.3	121.9	278.5	538.3	865.8	1250.1	1690.4
-10°	0.0	18.8	28.4	46.9	65.8	120.0	271.8	525.4	847.3	1225.4	1658.6
-12.5°	0.0	18.6	28.2	46.4	65.2	117.5	263.4	509.0	823.6	1193.8	1617.9
-15°	0.0	18.4	28.0	45.8	64.4	114.5	253.0	489.0	794.7	1155.4	1568.4
-17.5°	0.0	18.2	27.8	45.1	63.4	110.9	240.9	465.4	760.8	1110.2	1510.2
-20°	0.0	17.9	27.5	44.3	62.3	106.8	226.9	438.4	721.9	1058.5	1443.6



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 CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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	27.2	43.4	61.1	102.2	211.2	408.0	678.1	1000.3	1368.7
-25°	0.0	17.3	26.9	42.4	59.7	97.1	193.7	374.3	629.5	935.7	1285.7
-27.5°	0.0	16.9	26.5	41.3	58.2	91.5	174.6	337.3	576.3	868.7	1206.0
-30°	0.0	16.5	26.1	40.1	56.6	85.4	153.8	297.2	525.8	803.2	1120.2
-32.5°	0.0	16.1	25.7	38.8	54.9	78.9	131.4	266.9	476.1	732.9	1028.0
-35°	0.0	15.6	25.2	37.4	53.0	71.9	118.4	238.9	423.1	657.8	929.6
-37.5°	0.0	15.2	24.7	35.9	51.0	66.1	109.5	209.1	366.7	578.1	834.8
-40°	0.0	14.6	24.2	34.3	48.9	63.5	100.0	177.6	307.2	506.3	740.9
-42.5°	0.0	14.1	23.6	32.7	46.7	60.7	90.0	144.5	261.3	435.7	642.5
-45°	0.0	13.5	23.1	31.0	44.4	57.8	79.5	119.3	221.7	362.0	542.8
-47.5°	0.0	12.9	22.5	29.2	42.0	54.8	68.6	106.5	180.3	285.9	457.3
-50°	0.0	12.3	21.8	28.0	39.5	51.6	63.7	93.3	137.4	237.6	368.7
-52.5°	0.0	11.6	21.2	27.0	36.9	48.3	59.8	79.6	113.3	187.6	281.0
-55°	0.0	11.0	20.5	26.0	34.2	45.0	55.8	66.5	97.2	136.1	223.8
-57.5°	0.0	10.3	19.8	24.9	31.4	41.5	51.6	61.6	80.5	109.8	165.0
-60°	0.0	9.5	19.1	23.9	28.6	38.0	47.3	56.6	65.8	90.7	117.5
-62.5°	0.0	8.8	17.6	22.8	27.2	34.3	42.9	51.5	60.0	71.1	95.8
-65°	0.0	8.1	16.1	21.6	25.7	30.6	38.5	46.3	54.0	61.7	73.6
-67.5°	0.0	7.3	14.6	20.5	24.1	27.7	33.9	41.0	48.0	54.9	61.7
-70°	0.0	6.5	13.1	19.3	22.6	25.8	29.3	35.6	41.8	48.0	54.0
-72.5°	0.0	5.7	11.5	17.2	21.0	23.8	26.6	30.1	35.6	41.0	46.3
-75°	0.0	4.9	9.9	14.8	19.4	21.8	24.2	26.6	29.3	33.9	38.5
-77.5°	0.0	4.1	8.3	12.4	16.5	19.8	21.8	23.8	25.8	27.7	30.6
-80°	0.0	3.3	6.6	9.9	13.2	16.5	19.4	21.0	22.6	24.1	25.7
-82.5°	0.0	2.5	5.0	7.5	9.9	12.4	14.8	17.2	19.3	20.5	21.6
-85°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
-87.5°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.6	15.2
85°	17.6	19.1	19.8	20.5	21.2	21.8	22.5	23.1	23.6	24.2	24.7
82.5°	22.8	23.9	24.9	26.0	27.0	28.0	29.2	31.0	32.7	34.3	35.9
80°	27.2	28.6	31.4	34.2	36.9	39.5	42.0	44.4	46.7	48.9	51.0
77.5°	34.3	38.0	41.5	45.0	48.3	51.6	54.8	57.8	60.7	63.5	66.1
75°	42.9	47.3	51.6	55.8	59.8	63.7	68.6	79.5	90.0	100.0	109.5
72.5°	51.5	56.6	61.6	66.5	79.6	93.3	106.5	119.3	144.5	177.6	209.1
70°	60.0	65.8	80.5	97.2	113.3	137.4	180.3	221.7	261.3	307.2	366.7
67.5°	71.1	90.7	109.8	136.1	187.6	237.6	285.9	362.0	435.7	506.3	578.1
65°	95.8	117.5	165.0	223.8	281.0	368.7	457.3	542.8	642.5	740.9	834.8
62.5°	120.1	179.6	245.7	325.3	429.0	529.7	645.5	763.4	876.8	1001.9	1123.4
60°	179.6	253.0	349.6	465.4	584.4	721.9	855.2	1000.3	1145.7	1285.7	1438.5
57.5°	245.7	349.6	477.6	615.0	768.1	921.8	1091.2	1255.1	1432.4	1606.5	1776.6
55°	325.3	465.4	615.0	783.5	958.2	1146.2	1335.7	1538.6	1734.8	1939.3	2135.1
52.5°	429.0	584.4	768.1	958.2	1164.6	1378.2	1602.9	1828.4	2057.1	2279.6	2499.1
50°	529.7	721.9	921.8	1146.2	1378.2	1624.4	1875.6	2128.5	2379.3	2624.7	2857.9
47.5°	645.5	855.2	1091.2	1335.7	1602.9	1875.6	2152.4	2429.5	2700.9	2958.6	3206.1
45°	763.4	1000.3	1255.1	1538.6	1828.4	2128.5	2429.5	2726.4	3009.3	3264.9	3447.6
42.5°	876.8	1145.7	1432.4	1734.8	2057.1	2379.3	2700.9	3009.3	3282.8	3483.8	3665.9
40°	1001.9	1285.7	1606.5	1939.3	2279.6	2624.7	2958.6	3264.9	3483.8	3682.3	3865.4
37.5°	1123.4	1438.5	1776.6	2135.1	2499.1	2857.9	3206.1	3447.6	3665.9	3865.4	4220.2
35°	1238.7	1583.7	1948.6	2325.7	2708.5	3079.0	3375.6	3616.7	3831.9	4188.1	5136.8
32.5°	1357.3	1721.0	2111.3	2509.5	2903.9	3269.1	3531.8	3765.4	4092.2	4766.9	7032.8
30°	1474.5	1860.1	2266.2	2682.6	3087.9	3406.5	3667.2	3934.4	4374.9	6467.0	8554.7
27.5°	1583.7	1990.6	2414.7	2842.2	3249.0	3535.3	3790.7	4183.1	5537.1	7977.1	9845.0
25°	1684.6	2111.3	2552.2	2989.3	3359.6	3645.5	3933.0	4415.2	6942.4	9109.8	10391.1
22.5°	1780.7	2221.9	2678.2	3124.3	3461.3	3743.5	4131.7	5469.4	8103.6	10126.2	10724.4
20°	1871.1	2325.7	2791.0	3239.7	3553.5	3832.6	4312.5	6571.0	8997.1	10410.6	10998.5
17.5°	1951.6	2418.2	2890.8	3315.3	3628.4	3945.4	4596.8	7560.2	9801.2	10667.2	11231.3
15°	2022.0	2499.1	2978.1	3381.5	3692.7	4076.6	5399.8	8245.0	10229.4	10883.7	11435.5
12.5°	2081.9	2568.0	3052.5	3438.0	3747.6	4188.8	6087.7	8806.8	10409.5	11047.9	11545.8
10°	2131.1	2624.7	3113.9	3484.6	3793.0	4281.5	6656.6	9271.9	10558.9	11184.3	11637.7
7.5°	2169.7	2669.1	3161.9	3521.0	3828.4	4354.2	7102.9	9637.2	10676.3	11291.8	11710.2
5°	2197.3	2700.9	3196.3	3547.2	3853.9	4406.4	7423.8	9900.1	10761.0	11369.3	11762.6
2.5°	2213.9	2720.0	3217.0	3562.9	3869.3	4437.8	7617.2	10058.6	10812.0	11416.1	11794.3
0°	2219.4	2726.4	3223.9	3568.2	3874.4	4448.3	7681.8	10111.6	10829.1	11431.8	11804.9
-2.5°	2213.9	2720.0	3217.0	3562.9	3869.3	4437.8	7617.2	10058.6	10812.0	11416.1	11794.3
-5°	2197.3	2700.9	3196.3	3547.2	3853.9	4406.4	7423.8	9900.1	10761.0	11369.3	11762.6
-7.5°	2169.7	2669.1	3161.9	3521.0	3828.4	4354.2	7102.9	9637.2	10676.3	11291.8	11710.2
-10°	2131.1	2624.7	3113.9	3484.6	3793.0	4281.5	6656.6	9271.9	10558.9	11184.3	11637.7
-12.5°	2081.9	2568.0	3052.5	3438.0	3747.6	4188.8	6087.7	8806.8	10409.5	11047.9	11545.8
-15°	2022.0	2499.1	2978.1	3381.5	3692.7	4076.6	5399.8	8245.0	10229.4	10883.7	11435.5
-17.5°	1951.6	2418.2	2890.8	3315.3	3628.4	3945.4	4596.8	7560.2	9801.2	10667.2	11231.3
-20°	1871.1	2325.7	2791.0	3239.7	3553.5	3832.6	4312.5	6571.0	8997.1	10410.6	10998.5



REPORT NUMBER: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1780.7	2221.9	2678.2	3124.3	3461.3	3743.5	4131.7	5469.4	8103.6	10126.2	10724.4
-25°	1684.6	2111.3	2552.2	2989.3	3359.6	3645.5	3933.0	4415.2	6942.4	9109.8	10391.1
-27.5°	1583.7	1990.6	2414.7	2842.2	3249.0	3535.3	3790.7	4183.1	5537.1	7977.1	9845.0
-30°	1474.5	1860.1	2266.2	2682.6	3087.9	3406.5	3667.2	3934.4	4374.9	6467.0	8554.7
-32.5°	1357.3	1721.0	2111.3	2509.5	2903.9	3269.1	3531.8	3765.4	4092.2	4766.9	7032.8
-35°	1238.7	1583.7	1948.6	2325.7	2708.5	3079.0	3375.6	3616.7	3831.9	4188.1	5136.8
-37.5°	1123.4	1438.5	1776.6	2135.1	2499.1	2857.9	3206.1	3447.6	3665.9	3865.4	4220.2
-40°	1001.9	1285.7	1606.5	1939.3	2279.6	2624.7	2958.6	3264.9	3483.8	3682.3	3865.4
-42.5°	876.8	1145.7	1432.4	1734.8	2057.1	2379.3	2700.9	3009.3	3282.8	3483.8	3665.9
-45°	763.4	1000.3	1255.1	1538.6	1828.4	2128.5	2429.5	2726.4	3009.3	3264.9	3447.6
-47.5°	645.5	855.2	1091.2	1335.7	1602.9	1875.6	2152.4	2429.5	2700.9	2958.6	3206.1
-50°	529.7	721.9	921.8	1146.2	1378.2	1624.4	1875.6	2128.5	2379.3	2624.7	2857.9
-52.5°	429.0	584.4	768.1	958.2	1164.6	1378.2	1602.9	1828.4	2057.1	2279.6	2499.1
-55°	325.3	465.4	615.0	783.5	958.2	1146.2	1335.7	1538.6	1734.8	1939.3	2135.1
-57.5°	245.7	349.6	477.6	615.0	768.1	921.8	1091.2	1255.1	1432.4	1606.5	1776.6
-60°	179.6	253.0	349.6	465.4	584.4	721.9	855.2	1000.3	1145.7	1285.7	1438.5
-62.5°	120.1	179.6	245.7	325.3	429.0	529.7	645.5	763.4	876.8	1001.9	1123.4
-65°	95.8	117.5	165.0	223.8	281.0	368.7	457.3	542.8	642.5	740.9	834.8
-67.5°	71.1	90.7	109.8	136.1	187.6	237.6	285.9	362.0	435.7	506.3	578.1
-70°	60.0	65.8	80.5	97.2	113.3	137.4	180.3	221.7	261.3	307.2	366.7
-72.5°	51.5	56.6	61.6	66.5	79.6	93.3	106.5	119.3	144.5	177.6	209.1
-75°	42.9	47.3	51.6	55.8	59.8	63.7	68.6	79.5	90.0	100.0	109.5
-77.5°	34.3	38.0	41.5	45.0	48.3	51.6	54.8	57.8	60.7	63.5	66.1
-80°	27.2	28.6	31.4	34.2	36.9	39.5	42.0	44.4	46.7	48.9	51.0
-82.5°	22.8	23.9	24.9	26.0	27.0	28.0	29.2	31.0	32.7	34.3	35.9
-85°	17.6	19.1	19.8	20.5	21.2	21.8	22.5	23.1	23.6	24.2	24.7
-87.5°	8.8	9.5	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.6	15.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	16.1	16.5	16.9	17.3	17.6	17.9	18.2	18.4	18.6	18.8
85°	25.2	25.7	26.1	26.5	26.9	27.2	27.5	27.8	28.0	28.2	28.4
82.5°	37.4	38.8	40.1	41.3	42.4	43.4	44.3	45.1	45.8	46.4	46.9
80°	53.0	54.9	56.6	58.2	59.7	61.1	62.3	63.4	64.4	65.2	65.8
77.5°	71.9	78.9	85.4	91.5	97.1	102.2	106.8	110.9	114.5	117.5	120.0
75°	118.4	131.4	153.8	174.6	193.7	211.2	226.9	240.9	253.0	263.4	271.8
72.5°	238.9	266.9	297.2	337.3	374.3	408.0	438.4	465.4	489.0	509.0	525.4
70°	423.1	476.1	525.8	576.3	629.5	678.1	721.9	760.8	794.7	823.6	847.3
67.5°	657.8	732.9	803.2	868.7	935.7	1000.3	1058.5	1110.2	1155.4	1193.8	1225.4
65°	929.6	1028.0	1120.2	1206.0	1285.7	1368.7	1443.6	1510.2	1568.4	1617.9	1658.6
62.5°	1238.7	1357.3	1474.5	1583.7	1684.6	1780.7	1871.1	1951.6	2022.0	2081.9	2131.1
60°	1583.7	1721.0	1860.1	1990.6	2111.3	2221.9	2325.7	2418.2	2499.1	2568.0	2624.7
57.5°	1948.6	2111.3	2266.2	2414.7	2552.2	2678.2	2791.0	2890.8	2978.1	3052.5	3113.9
55°	2325.7	2509.5	2682.6	2842.2	2989.3	3124.3	3239.7	3315.3	3381.5	3438.0	3484.6
52.5°	2708.5	2903.9	3087.9	3249.0	3359.6	3461.3	3553.5	3628.4	3692.7	3747.6	3793.0
50°	3079.0	3269.1	3406.5	3535.3	3645.5	3743.5	3832.6	3945.4	4076.6	4188.8	4281.5
47.5°	3375.6	3531.8	3667.2	3790.7	3933.0	4131.7	4312.5	4596.8	5399.8	6087.7	6656.6
45°	3616.7	3765.4	3934.4	4183.1	4415.2	5469.4	6571.0	7560.2	8245.0	8806.8	9271.9
42.5°	3831.9	4092.2	4374.9	5537.1	6942.4	8103.6	8997.1	9801.2	10229.4	10409.5	10558.9
40°	4188.1	4766.9	6467.0	7977.1	9109.8	10126.2	10410.6	10667.2	10883.7	11047.9	11184.3
37.5°	5136.8	7032.8	8554.7	9845.0	10391.1	10724.4	10998.5	11231.3	11435.5	11545.8	11637.7
35°	7222.7	8846.8	10165.2	10571.3	10934.4	11234.8	11481.3	11636.9	11775.3	11837.3	11873.2
32.5°	8846.8	10209.6	10662.6	11052.3	11395.9	11608.9	11793.3	11861.0	11914.9	11948.6	11965.4
30°	10165.2	10662.6	11092.0	11460.2	11687.0	11839.2	11910.3	11954.5	11979.5	12046.2	12223.7
27.5°	10571.3	11052.3	11460.2	11713.3	11858.7	11939.6	11972.4	12057.1	12319.7	12550.0	13165.0
25°	10934.4	11395.9	11687.0	11858.7	11944.0	11981.5	12194.1	12508.8	13322.3	14121.1	15737.4
22.5°	11234.8	11608.9	11839.2	11939.6	11981.5	12240.4	12724.1	13802.7	15700.9	18255.6	22823.0
20°	11481.3	11793.3	11910.3	11972.4	12194.1	12724.1	13965.6	16701.2	20744.4	30271.3	40147.8
17.5°	11636.9	11861.0	11954.5	12057.1	12508.8	13802.7	16701.2	22565.4	34132.9	52514.5	71034.7
15°	11775.3	11914.9	11979.5	12319.7	13322.3	15700.9	20744.4	34132.9	56756.3	85030.9	118481.1
12.5°	11837.3	11948.6	12046.2	12550.0	14121.1	18255.6	30271.3	52514.5	85030.9	126605.4	185499.5
10°	11873.2	11965.4	12223.7	13165.0	15737.4	22823.0	40147.8	71034.7	118481.1	185499.5	267435.4
7.5°	11901.6	11978.7	12364.9	13658.3	17329.1	28828.4	53720.1	95051.3	157161.1	244339.7	369393.1
5°	11922.2	11988.4	12467.7	14018.4	18495.9	33255.8	63803.5	113589.0	191529.4	306477.1	464546.4
2.5°	11934.6	11994.2	12530.1	14237.6	19208.6	35971.9	70025.6	125121.9	213168.5	351179.2	528968.2
0°	11938.8	11996.2	12551.0	14311.2	19448.4	36887.8	72130.2	129040.4	220571.1	367825.8	551623.8
-2.5°	11934.6	11994.2	12530.1	14237.6	19208.6	35971.9	70025.6	125121.9	213168.5	351179.2	528968.2
-5°	11922.2	11988.4	12467.7	14018.4	18495.9	33255.8	63803.5	113589.0	191529.4	306477.1	464546.4
-7.5°	11901.6	11978.7	12364.9	13658.3	17329.1	28828.4	53720.1	95051.3	157161.1	244339.7	369393.1
-10°	11873.2	11965.4	12223.7	13165.0	15737.4	22823.0	40147.8	71034.7	118481.1	185499.5	267435.4
-12.5°	11837.3	11948.6	12046.2	12550.0	14121.1	18255.6	30271.3	52514.5	85030.9	126605.4	185499.5
-15°	11775.3	11914.9	11979.5	12319.7	13322.3	15700.9	20744.4	34132.9	56756.3	85030.9	118481.1
-17.5°	11636.9	11861.0	11954.5	12057.1	12508.8	13802.7	16701.2	22565.4	34132.9	52514.5	71034.7
-20°	11481.3	11793.3	11910.3	11972.4	12194.1	12724.1	13965.6	16701.2	20744.4	30271.3	40147.8



REPORT NUMBER: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11234.8	11608.9	11839.2	11939.6	11981.5	12240.4	12724.1	13802.7	15700.9	18255.6	22823.0
-25°	10934.4	11395.9	11687.0	11858.7	11944.0	11981.5	12194.1	12508.8	13322.3	14121.1	15737.4
-27.5°	10571.3	11052.3	11460.2	11713.3	11858.7	11939.6	11972.4	12057.1	12319.7	12550.0	13165.0
-30°	10165.2	10662.6	11092.0	11460.2	11687.0	11839.2	11910.3	11954.5	11979.5	12046.2	12223.7
-32.5°	8846.8	10209.6	10662.6	11052.3	11395.9	11608.9	11793.3	11861.0	11914.9	11948.6	11965.4
-35°	7222.7	8846.8	10165.2	10571.3	10934.4	11234.8	11481.3	11636.9	11775.3	11837.3	11873.2
-37.5°	5136.8	7032.8	8554.7	9845.0	10391.1	10724.4	10998.5	11231.3	11435.5	11545.8	11637.7
-40°	4188.1	4766.9	6467.0	7977.1	9109.8	10126.2	10410.6	10667.2	10883.7	11047.9	11184.3
-42.5°	3831.9	4092.2	4374.9	5537.1	6942.4	8103.6	8997.1	9801.2	10229.4	10409.5	10558.9
-45°	3616.7	3765.4	3934.4	4183.1	4415.2	5469.4	6571.0	7560.2	8245.0	8806.8	9271.9
-47.5°	3375.6	3531.8	3667.2	3790.7	3933.0	4131.7	4312.5	4596.8	5399.8	6087.7	6656.6
-50°	3079.0	3269.1	3406.5	3535.3	3645.5	3743.5	3832.6	3945.4	4076.6	4188.8	4281.5
-52.5°	2708.5	2903.9	3087.9	3249.0	3359.6	3461.3	3553.5	3628.4	3692.7	3747.6	3793.0
-55°	2325.7	2509.5	2682.6	2842.2	2989.3	3124.3	3239.7	3315.3	3381.5	3438.0	3484.6
-57.5°	1948.6	2111.3	2266.2	2414.7	2552.2	2678.2	2791.0	2890.8	2978.1	3052.5	3113.9
-60°	1583.7	1721.0	1860.1	1990.6	2111.3	2221.9	2325.7	2418.2	2499.1	2568.0	2624.7
-62.5°	1238.7	1357.3	1474.5	1583.7	1684.6	1780.7	1871.1	1951.6	2022.0	2081.9	2131.1
-65°	929.6	1028.0	1120.2	1206.0	1285.7	1368.7	1443.6	1510.2	1568.4	1617.9	1658.6
-67.5°	657.8	732.9	803.2	868.7	935.7	1000.3	1058.5	1110.2	1155.4	1193.8	1225.4
-70°	423.1	476.1	525.8	576.3	629.5	678.1	721.9	760.8	794.7	823.6	847.3
-72.5°	238.9	266.9	297.2	337.3	374.3	408.0	438.4	465.4	489.0	509.0	525.4
-75°	118.4	131.4	153.8	174.6	193.7	211.2	226.9	240.9	253.0	263.4	271.8
-77.5°	71.9	78.9	85.4	91.5	97.1	102.2	106.8	110.9	114.5	117.5	120.0
-80°	53.0	54.9	56.6	58.2	59.7	61.1	62.3	63.4	64.4	65.2	65.8
-82.5°	37.4	38.8	40.1	41.3	42.4	43.4	44.3	45.1	45.8	46.4	46.9
-85°	25.2	25.7	26.1	26.5	26.9	27.2	27.5	27.8	28.0	28.2	28.4
-87.5°	15.6	16.1	16.5	16.9	17.3	17.6	17.9	18.2	18.4	18.6	18.8
-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: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.8	18.6	18.4	18.2
85°	28.5	28.6	28.7	28.7	28.7	28.6	28.5	28.4	28.2	28.0	27.8
82.5°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.4	45.8	45.1
80°	66.3	66.7	66.9	67.0	66.9	66.7	66.3	65.8	65.2	64.4	63.4
77.5°	121.9	123.3	124.1	124.4	124.1	123.3	121.9	120.0	117.5	114.5	110.9
75°	278.5	283.2	286.0	287.0	286.0	283.2	278.5	271.8	263.4	253.0	240.9
72.5°	538.3	547.4	553.0	554.8	553.0	547.4	538.3	525.4	509.0	489.0	465.4
70°	865.8	879.1	887.0	889.7	887.0	879.1	865.8	847.3	823.6	794.7	760.8
67.5°	1250.1	1267.7	1278.4	1281.9	1278.4	1267.7	1250.1	1225.4	1193.8	1155.4	1110.2
65°	1690.4	1713.2	1726.9	1731.5	1726.9	1713.2	1690.4	1658.6	1617.9	1568.4	1510.2
62.5°	2169.7	2197.3	2213.9	2219.4	2213.9	2197.3	2169.7	2131.1	2081.9	2022.0	1951.6
60°	2669.1	2700.9	2720.0	2726.4	2720.0	2700.9	2669.1	2624.7	2568.0	2499.1	2418.2
57.5°	3161.9	3196.3	3217.0	3223.9	3217.0	3196.3	3161.9	3113.9	3052.5	2978.1	2890.8
55°	3521.0	3547.2	3562.9	3568.2	3562.9	3547.2	3521.0	3484.6	3438.0	3381.5	3315.3
52.5°	3828.4	3853.9	3869.3	3874.4	3869.3	3853.9	3828.4	3793.0	3747.6	3692.7	3628.4
50°	4354.2	4406.4	4437.8	4448.3	4437.8	4406.4	4354.2	4281.5	4188.8	4076.6	3945.4
47.5°	7102.9	7423.8	7617.2	7681.8	7617.2	7423.8	7102.9	6656.6	6087.7	5399.8	4596.8
45°	9637.2	9900.1	10058.6	10111.6	10058.6	9900.1	9637.2	9271.9	8806.8	8245.0	7560.2
42.5°	10676.3	10761.0	10812.0	10829.1	10812.0	10761.0	10676.3	10558.9	10409.5	10229.4	9801.2
40°	11291.8	11369.3	11416.1	11431.8	11416.1	11369.3	11291.8	11184.3	11047.9	10883.7	10667.2
37.5°	11710.2	11762.6	11794.3	11804.9	11794.3	11762.6	11710.2	11637.7	11545.8	11435.5	11231.3
35°	11901.6	11922.2	11934.6	11938.8	11934.6	11922.2	11901.6	11873.2	11837.3	11775.3	11636.9
32.5°	11978.7	11988.4	11994.2	11996.2	11994.2	11988.4	11978.7	11965.4	11948.6	11914.9	11861.0
30°	12364.9	12467.7	12530.1	12551.0	12530.1	12467.7	12364.9	12223.7	12046.2	11979.5	11954.5
27.5°	13658.3	14018.4	14237.6	14311.2	14237.6	14018.4	13658.3	13165.0	12550.0	12319.7	12057.1
25°	17329.1	18495.9	19208.6	19448.4	19208.6	18495.9	17329.1	15737.4	14121.1	13322.3	12508.8
22.5°	28828.4	33255.8	35971.9	36887.8	35971.9	33255.8	28828.4	22823.0	18255.6	15700.9	13802.7
20°	53720.1	63803.5	70025.6	72130.2	70025.6	63803.5	53720.1	40147.8	30271.3	20744.4	16701.2
17.5°	95051.3	113589.0	125121.9	129040.4	125121.9	113589.0	95051.3	71034.7	52514.5	34132.9	22565.4
15°	157161.1	191529.4	213168.5	220571.1	213168.5	191529.4	157161.1	118481.1	85030.9	56756.3	34132.9
12.5°	244339.7	306477.1	351179.2	367825.8	351179.2	306477.1	244339.7	185499.5	126605.4	85030.9	52514.5
10°	369393.1	464546.4	528968.2	551623.8	528968.2	464546.4	369393.1	267435.4	185499.5	118481.1	71034.7
7.5°	507647.0	627709.4	718418.4	752851.8	718418.4	627709.4	507647.0	369393.1	244339.7	157161.1	95051.3
5°	627709.4	789845.0	900350.2	940141.6	900350.2	789845.0	627709.4	464546.4	306477.1	191529.4	113589.0
2.5°	718418.4	900350.2	#####	#####	#####	900350.2	718418.4	528968.2	351179.2	213168.5	125121.9
0°	752851.8	940141.6	#####	#####	#####	940141.6	752851.8	551623.8	367825.8	220571.1	129040.4
-2.5°	718418.4	900350.2	#####	#####	#####	900350.2	718418.4	528968.2	351179.2	213168.5	125121.9
-5°	627709.4	789845.0	900350.2	940141.6	900350.2	789845.0	627709.4	464546.4	306477.1	191529.4	113589.0
-7.5°	507647.0	627709.4	718418.4	752851.8	718418.4	627709.4	507647.0	369393.1	244339.7	157161.1	95051.3
-10°	369393.1	464546.4	528968.2	551623.8	528968.2	464546.4	369393.1	267435.4	185499.5	118481.1	71034.7
-12.5°	244339.7	306477.1	351179.2	367825.8	351179.2	306477.1	244339.7	185499.5	126605.4	85030.9	52514.5
-15°	157161.1	191529.4	213168.5	220571.1	213168.5	191529.4	157161.1	118481.1	85030.9	56756.3	34132.9
-17.5°	95051.3	113589.0	125121.9	129040.4	125121.9	113589.0	95051.3	71034.7	52514.5	34132.9	22565.4
-20°	53720.1	63803.5	70025.6	72130.2	70025.6	63803.5	53720.1	40147.8	30271.3	20744.4	16701.2



REPORT NUMBER: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	28828.4	33255.8	35971.9	36887.8	35971.9	33255.8	28828.4	22823.0	18255.6	15700.9	13802.7
-25°	17329.1	18495.9	19208.6	19448.4	19208.6	18495.9	17329.1	15737.4	14121.1	13322.3	12508.8
-27.5°	13658.3	14018.4	14237.6	14311.2	14237.6	14018.4	13658.3	13165.0	12550.0	12319.7	12057.1
-30°	12364.9	12467.7	12530.1	12551.0	12530.1	12467.7	12364.9	12223.7	12046.2	11979.5	11954.5
-32.5°	11978.7	11988.4	11994.2	11996.2	11994.2	11988.4	11978.7	11965.4	11948.6	11914.9	11861.0
-35°	11901.6	11922.2	11934.6	11938.8	11934.6	11922.2	11901.6	11873.2	11837.3	11775.3	11636.9
-37.5°	11710.2	11762.6	11794.3	11804.9	11794.3	11762.6	11710.2	11637.7	11545.8	11435.5	11231.3
-40°	11291.8	11369.3	11416.1	11431.8	11416.1	11369.3	11291.8	11184.3	11047.9	10883.7	10667.2
-42.5°	10676.3	10761.0	10812.0	10829.1	10812.0	10761.0	10676.3	10558.9	10409.5	10229.4	9801.2
-45°	9637.2	9900.1	10058.6	10111.6	10058.6	9900.1	9637.2	9271.9	8806.8	8245.0	7560.2
-47.5°	7102.9	7423.8	7617.2	7681.8	7617.2	7423.8	7102.9	6656.6	6087.7	5399.8	4596.8
-50°	4354.2	4406.4	4437.8	4448.3	4437.8	4406.4	4354.2	4281.5	4188.8	4076.6	3945.4
-52.5°	3828.4	3853.9	3869.3	3874.4	3869.3	3853.9	3828.4	3793.0	3747.6	3692.7	3628.4
-55°	3521.0	3547.2	3562.9	3568.2	3562.9	3547.2	3521.0	3484.6	3438.0	3381.5	3315.3
-57.5°	3161.9	3196.3	3217.0	3223.9	3217.0	3196.3	3161.9	3113.9	3052.5	2978.1	2890.8
-60°	2669.1	2700.9	2720.0	2726.4	2720.0	2700.9	2669.1	2624.7	2568.0	2499.1	2418.2
-62.5°	2169.7	2197.3	2213.9	2219.4	2213.9	2197.3	2169.7	2131.1	2081.9	2022.0	1951.6
-65°	1690.4	1713.2	1726.9	1731.5	1726.9	1713.2	1690.4	1658.6	1617.9	1568.4	1510.2
-67.5°	1250.1	1267.7	1278.4	1281.9	1278.4	1267.7	1250.1	1225.4	1193.8	1155.4	1110.2
-70°	865.8	879.1	887.0	889.7	887.0	879.1	865.8	847.3	823.6	794.7	760.8
-72.5°	538.3	547.4	553.0	554.8	553.0	547.4	538.3	525.4	509.0	489.0	465.4
-75°	278.5	283.2	286.0	287.0	286.0	283.2	278.5	271.8	263.4	253.0	240.9
-77.5°	121.9	123.3	124.1	124.4	124.1	123.3	121.9	120.0	117.5	114.5	110.9
-80°	66.3	66.7	66.9	67.0	66.9	66.7	66.3	65.8	65.2	64.4	63.4
-82.5°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.4	45.8	45.1
-85°	28.5	28.6	28.7	28.7	28.7	28.6	28.5	28.4	28.2	28.0	27.8
-87.5°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.8	18.6	18.4	18.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306553 (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°	17.9	17.6	17.3	16.9	16.5	16.1	15.6	15.2	14.6	14.1	13.5
85°	27.5	27.2	26.9	26.5	26.1	25.7	25.2	24.7	24.2	23.6	23.1
82.5°	44.3	43.4	42.4	41.3	40.1	38.8	37.4	35.9	34.3	32.7	31.0
80°	62.3	61.1	59.7	58.2	56.6	54.9	53.0	51.0	48.9	46.7	44.4
77.5°	106.8	102.2	97.1	91.5	85.4	78.9	71.9	66.1	63.5	60.7	57.8
75°	226.9	211.2	193.7	174.6	153.8	131.4	118.4	109.5	100.0	90.0	79.5
72.5°	438.4	408.0	374.3	337.3	297.2	266.9	238.9	209.1	177.6	144.5	119.3
70°	721.9	678.1	629.5	576.3	525.8	476.1	423.1	366.7	307.2	261.3	221.7
67.5°	1058.5	1000.3	935.7	868.7	803.2	732.9	657.8	578.1	506.3	435.7	362.0
65°	1443.6	1368.7	1285.7	1206.0	1120.2	1028.0	929.6	834.8	740.9	642.5	542.8
62.5°	1871.1	1780.7	1684.6	1583.7	1474.5	1357.3	1238.7	1123.4	1001.9	876.8	763.4
60°	2325.7	2221.9	2111.3	1990.6	1860.1	1721.0	1583.7	1438.5	1285.7	1145.7	1000.3
57.5°	2791.0	2678.2	2552.2	2414.7	2266.2	2111.3	1948.6	1776.6	1606.5	1432.4	1255.1
55°	3239.7	3124.3	2989.3	2842.2	2682.6	2509.5	2325.7	2135.1	1939.3	1734.8	1538.6
52.5°	3553.5	3461.3	3359.6	3249.0	3087.9	2903.9	2708.5	2499.1	2279.6	2057.1	1828.4
50°	3832.6	3743.5	3645.5	3535.3	3406.5	3269.1	3079.0	2857.9	2624.7	2379.3	2128.5
47.5°	4312.5	4131.7	3933.0	3790.7	3667.2	3531.8	3375.6	3206.1	2958.6	2700.9	2429.5
45°	6571.0	5469.4	4415.2	4183.1	3934.4	3765.4	3616.7	3447.6	3264.9	3009.3	2726.4
42.5°	8997.1	8103.6	6942.4	5537.1	4374.9	4092.2	3831.9	3665.9	3483.8	3282.8	3009.3
40°	10410.6	10126.2	9109.8	7977.1	6467.0	4766.9	4188.1	3865.4	3682.3	3483.8	3264.9
37.5°	10998.5	10724.4	10391.1	9845.0	8554.7	7032.8	5136.8	4220.2	3865.4	3665.9	3447.6
35°	11481.3	11234.8	10934.4	10571.3	10165.2	8846.8	7222.7	5136.8	4188.1	3831.9	3616.7
32.5°	11793.3	11608.9	11395.9	11052.3	10662.6	10209.6	8846.8	7032.8	4766.9	4092.2	3765.4
30°	11910.3	11839.2	11687.0	11460.2	11092.0	10662.6	10165.2	8554.7	6467.0	4374.9	3934.4
27.5°	11972.4	11939.6	11858.7	11713.3	11460.2	11052.3	10571.3	9845.0	7977.1	5537.1	4183.1
25°	12194.1	11981.5	11944.0	11858.7	11687.0	11395.9	10934.4	10391.1	9109.8	6942.4	4415.2
22.5°	12724.1	12240.4	11981.5	11939.6	11839.2	11608.9	11234.8	10724.4	10126.2	8103.6	5469.4
20°	13965.6	12724.1	12194.1	11972.4	11910.3	11793.3	11481.3	10998.5	10410.6	8997.1	6571.0
17.5°	16701.2	13802.7	12508.8	12057.1	11954.5	11861.0	11636.9	11231.3	10667.2	9801.2	7560.2
15°	20744.4	15700.9	13322.3	12319.7	11979.5	11914.9	11775.3	11435.5	10883.7	10229.4	8245.0
12.5°	30271.3	18255.6	14121.1	12550.0	12046.2	11948.6	11837.3	11545.8	11047.9	10409.5	8806.8
10°	40147.8	22823.0	15737.4	13165.0	12223.7	11965.4	11873.2	11637.7	11184.3	10558.9	9271.9
7.5°	53720.1	28828.4	17329.1	13658.3	12364.9	11978.7	11901.6	11710.2	11291.8	10676.3	9637.2
5°	63803.5	33255.8	18495.9	14018.4	12467.7	11988.4	11922.2	11762.6	11369.3	10761.0	9900.1
2.5°	70025.6	35971.9	19208.6	14237.6	12530.1	11994.2	11934.6	11794.3	11416.1	10812.0	10058.6
0°	72130.2	36887.8	19448.4	14311.2	12551.0	11996.2	11938.8	11804.9	11431.8	10829.1	10111.6
-2.5°	70025.6	35971.9	19208.6	14237.6	12530.1	11994.2	11934.6	11794.3	11416.1	10812.0	10058.6
-5°	63803.5	33255.8	18495.9	14018.4	12467.7	11988.4	11922.2	11762.6	11369.3	10761.0	9900.1
-7.5°	53720.1	28828.4	17329.1	13658.3	12364.9	11978.7	11901.6	11710.2	11291.8	10676.3	9637.2
-10°	40147.8	22823.0	15737.4	13165.0	12223.7	11965.4	11873.2	11637.7	11184.3	10558.9	9271.9
-12.5°	30271.3	18255.6	14121.1	12550.0	12046.2	11948.6	11837.3	11545.8	11047.9	10409.5	8806.8
-15°	20744.4	15700.9	13322.3	12319.7	11979.5	11914.9	11775.3	11435.5	10883.7	10229.4	8245.0
-17.5°	16701.2	13802.7	12508.8	12057.1	11954.5	11861.0	11636.9	11231.3	10667.2	9801.2	7560.2
-20°	13965.6	12724.1	12194.1	11972.4	11910.3	11793.3	11481.3	10998.5	10410.6	8997.1	6571.0



REPORT NUMBER: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12724.1	12240.4	11981.5	11939.6	11839.2	11608.9	11234.8	10724.4	10126.2	8103.6	5469.4
-25°	12194.1	11981.5	11944.0	11858.7	11687.0	11395.9	10934.4	10391.1	9109.8	6942.4	4415.2
-27.5°	11972.4	11939.6	11858.7	11713.3	11460.2	11052.3	10571.3	9845.0	7977.1	5537.1	4183.1
-30°	11910.3	11839.2	11687.0	11460.2	11092.0	10662.6	10165.2	8554.7	6467.0	4374.9	3934.4
-32.5°	11793.3	11608.9	11395.9	11052.3	10662.6	10209.6	8846.8	7032.8	4766.9	4092.2	3765.4
-35°	11481.3	11234.8	10934.4	10571.3	10165.2	8846.8	7222.7	5136.8	4188.1	3831.9	3616.7
-37.5°	10998.5	10724.4	10391.1	9845.0	8554.7	7032.8	5136.8	4220.2	3865.4	3665.9	3447.6
-40°	10410.6	10126.2	9109.8	7977.1	6467.0	4766.9	4188.1	3865.4	3682.3	3483.8	3264.9
-42.5°	8997.1	8103.6	6942.4	5537.1	4374.9	4092.2	3831.9	3665.9	3483.8	3282.8	3009.3
-45°	6571.0	5469.4	4415.2	4183.1	3934.4	3765.4	3616.7	3447.6	3264.9	3009.3	2726.4
-47.5°	4312.5	4131.7	3933.0	3790.7	3667.2	3531.8	3375.6	3206.1	2958.6	2700.9	2429.5
-50°	3832.6	3743.5	3645.5	3535.3	3406.5	3269.1	3079.0	2857.9	2624.7	2379.3	2128.5
-52.5°	3553.5	3461.3	3359.6	3249.0	3087.9	2903.9	2708.5	2499.1	2279.6	2057.1	1828.4
-55°	3239.7	3124.3	2989.3	2842.2	2682.6	2509.5	2325.7	2135.1	1939.3	1734.8	1538.6
-57.5°	2791.0	2678.2	2552.2	2414.7	2266.2	2111.3	1948.6	1776.6	1606.5	1432.4	1255.1
-60°	2325.7	2221.9	2111.3	1990.6	1860.1	1721.0	1583.7	1438.5	1285.7	1145.7	1000.3
-62.5°	1871.1	1780.7	1684.6	1583.7	1474.5	1357.3	1238.7	1123.4	1001.9	876.8	763.4
-65°	1443.6	1368.7	1285.7	1206.0	1120.2	1028.0	929.6	834.8	740.9	642.5	542.8
-67.5°	1058.5	1000.3	935.7	868.7	803.2	732.9	657.8	578.1	506.3	435.7	362.0
-70°	721.9	678.1	629.5	576.3	525.8	476.1	423.1	366.7	307.2	261.3	221.7
-72.5°	438.4	408.0	374.3	337.3	297.2	266.9	238.9	209.1	177.6	144.5	119.3
-75°	226.9	211.2	193.7	174.6	153.8	131.4	118.4	109.5	100.0	90.0	79.5
-77.5°	106.8	102.2	97.1	91.5	85.4	78.9	71.9	66.1	63.5	60.7	57.8
-80°	62.3	61.1	59.7	58.2	56.6	54.9	53.0	51.0	48.9	46.7	44.4
-82.5°	44.3	43.4	42.4	41.3	40.1	38.8	37.4	35.9	34.3	32.7	31.0
-85°	27.5	27.2	26.9	26.5	26.1	25.7	25.2	24.7	24.2	23.6	23.1
-87.5°	17.9	17.6	17.3	16.9	16.5	16.1	15.6	15.2	14.6	14.1	13.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306553 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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°	12.9	12.3	11.6	11.0	10.3	9.5	8.8	8.1	7.3	6.5	5.7
85°	22.5	21.8	21.2	20.5	19.8	19.1	17.6	16.1	14.6	13.1	11.5
82.5°	29.2	28.0	27.0	26.0	24.9	23.9	22.8	21.6	20.5	19.3	17.2
80°	42.0	39.5	36.9	34.2	31.4	28.6	27.2	25.7	24.1	22.6	21.0
77.5°	54.8	51.6	48.3	45.0	41.5	38.0	34.3	30.6	27.7	25.8	23.8
75°	68.6	63.7	59.8	55.8	51.6	47.3	42.9	38.5	33.9	29.3	26.6
72.5°	106.5	93.3	79.6	66.5	61.6	56.6	51.5	46.3	41.0	35.6	30.1
70°	180.3	137.4	113.3	97.2	80.5	65.8	60.0	54.0	48.0	41.8	35.6
67.5°	285.9	237.6	187.6	136.1	109.8	90.7	71.1	61.7	54.9	48.0	41.0
65°	457.3	368.7	281.0	223.8	165.0	117.5	95.8	73.6	61.7	54.0	46.3
62.5°	645.5	529.7	429.0	325.3	245.7	179.6	120.1	95.8	71.1	60.0	51.5
60°	855.2	721.9	584.4	465.4	349.6	253.0	179.6	117.5	90.7	65.8	56.6
57.5°	1091.2	921.8	768.1	615.0	477.6	349.6	245.7	165.0	109.8	80.5	61.6
55°	1335.7	1146.2	958.2	783.5	615.0	465.4	325.3	223.8	136.1	97.2	66.5
52.5°	1602.9	1378.2	1164.6	958.2	768.1	584.4	429.0	281.0	187.6	113.3	79.6
50°	1875.6	1624.4	1378.2	1146.2	921.8	721.9	529.7	368.7	237.6	137.4	93.3
47.5°	2152.4	1875.6	1602.9	1335.7	1091.2	855.2	645.5	457.3	285.9	180.3	106.5
45°	2429.5	2128.5	1828.4	1538.6	1255.1	1000.3	763.4	542.8	362.0	221.7	119.3
42.5°	2700.9	2379.3	2057.1	1734.8	1432.4	1145.7	876.8	642.5	435.7	261.3	144.5
40°	2958.6	2624.7	2279.6	1939.3	1606.5	1285.7	1001.9	740.9	506.3	307.2	177.6
37.5°	3206.1	2857.9	2499.1	2135.1	1776.6	1438.5	1123.4	834.8	578.1	366.7	209.1
35°	3375.6	3079.0	2708.5	2325.7	1948.6	1583.7	1238.7	929.6	657.8	423.1	238.9
32.5°	3531.8	3269.1	2903.9	2509.5	2111.3	1721.0	1357.3	1028.0	732.9	476.1	266.9
30°	3667.2	3406.5	3087.9	2682.6	2266.2	1860.1	1474.5	1120.2	803.2	525.8	297.2
27.5°	3790.7	3535.3	3249.0	2842.2	2414.7	1990.6	1583.7	1206.0	868.7	576.3	337.3
25°	3933.0	3645.5	3359.6	2989.3	2552.2	2111.3	1684.6	1285.7	935.7	629.5	374.3
22.5°	4131.7	3743.5	3461.3	3124.3	2678.2	2221.9	1780.7	1368.7	1000.3	678.1	408.0
20°	4312.5	3832.6	3553.5	3239.7	2791.0	2325.7	1871.1	1443.6	1058.5	721.9	438.4
17.5°	4596.8	3945.4	3628.4	3315.3	2890.8	2418.2	1951.6	1510.2	1110.2	760.8	465.4
15°	5399.8	4076.6	3692.7	3381.5	2978.1	2499.1	2022.0	1568.4	1155.4	794.7	489.0
12.5°	6087.7	4188.8	3747.6	3438.0	3052.5	2568.0	2081.9	1617.9	1193.8	823.6	509.0
10°	6656.6	4281.5	3793.0	3484.6	3113.9	2624.7	2131.1	1658.6	1225.4	847.3	525.4
7.5°	7102.9	4354.2	3828.4	3521.0	3161.9	2669.1	2169.7	1690.4	1250.1	865.8	538.3
5°	7423.8	4406.4	3853.9	3547.2	3196.3	2700.9	2197.3	1713.2	1267.7	879.1	547.4
2.5°	7617.2	4437.8	3869.3	3562.9	3217.0	2720.0	2213.9	1726.9	1278.4	887.0	553.0
0°	7681.8	4448.3	3874.4	3568.2	3223.9	2726.4	2219.4	1731.5	1281.9	889.7	554.8
-2.5°	7617.2	4437.8	3869.3	3562.9	3217.0	2720.0	2213.9	1726.9	1278.4	887.0	553.0
-5°	7423.8	4406.4	3853.9	3547.2	3196.3	2700.9	2197.3	1713.2	1267.7	879.1	547.4
-7.5°	7102.9	4354.2	3828.4	3521.0	3161.9	2669.1	2169.7	1690.4	1250.1	865.8	538.3
-10°	6656.6	4281.5	3793.0	3484.6	3113.9	2624.7	2131.1	1658.6	1225.4	847.3	525.4
-12.5°	6087.7	4188.8	3747.6	3438.0	3052.5	2568.0	2081.9	1617.9	1193.8	823.6	509.0
-15°	5399.8	4076.6	3692.7	3381.5	2978.1	2499.1	2022.0	1568.4	1155.4	794.7	489.0
-17.5°	4596.8	3945.4	3628.4	3315.3	2890.8	2418.2	1951.6	1510.2	1110.2	760.8	465.4
-20°	4312.5	3832.6	3553.5	3239.7	2791.0	2325.7	1871.1	1443.6	1058.5	721.9	438.4



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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°	4131.7	3743.5	3461.3	3124.3	2678.2	2221.9	1780.7	1368.7	1000.3	678.1	408.0
-25°	3933.0	3645.5	3359.6	2989.3	2552.2	2111.3	1684.6	1285.7	935.7	629.5	374.3
-27.5°	3790.7	3535.3	3249.0	2842.2	2414.7	1990.6	1583.7	1206.0	868.7	576.3	337.3
-30°	3667.2	3406.5	3087.9	2682.6	2266.2	1860.1	1474.5	1120.2	803.2	525.8	297.2
-32.5°	3531.8	3269.1	2903.9	2509.5	2111.3	1721.0	1357.3	1028.0	732.9	476.1	266.9
-35°	3375.6	3079.0	2708.5	2325.7	1948.6	1583.7	1238.7	929.6	657.8	423.1	238.9
-37.5°	3206.1	2857.9	2499.1	2135.1	1776.6	1438.5	1123.4	834.8	578.1	366.7	209.1
-40°	2958.6	2624.7	2279.6	1939.3	1606.5	1285.7	1001.9	740.9	506.3	307.2	177.6
-42.5°	2700.9	2379.3	2057.1	1734.8	1432.4	1145.7	876.8	642.5	435.7	261.3	144.5
-45°	2429.5	2128.5	1828.4	1538.6	1255.1	1000.3	763.4	542.8	362.0	221.7	119.3
-47.5°	2152.4	1875.6	1602.9	1335.7	1091.2	855.2	645.5	457.3	285.9	180.3	106.5
-50°	1875.6	1624.4	1378.2	1146.2	921.8	721.9	529.7	368.7	237.6	137.4	93.3
-52.5°	1602.9	1378.2	1164.6	958.2	768.1	584.4	429.0	281.0	187.6	113.3	79.6
-55°	1335.7	1146.2	958.2	783.5	615.0	465.4	325.3	223.8	136.1	97.2	66.5
-57.5°	1091.2	921.8	768.1	615.0	477.6	349.6	245.7	165.0	109.8	80.5	61.6
-60°	855.2	721.9	584.4	465.4	349.6	253.0	179.6	117.5	90.7	65.8	56.6
-62.5°	645.5	529.7	429.0	325.3	245.7	179.6	120.1	95.8	71.1	60.0	51.5
-65°	457.3	368.7	281.0	223.8	165.0	117.5	95.8	73.6	61.7	54.0	46.3
-67.5°	285.9	237.6	187.6	136.1	109.8	90.7	71.1	61.7	54.9	48.0	41.0
-70°	180.3	137.4	113.3	97.2	80.5	65.8	60.0	54.0	48.0	41.8	35.6
-72.5°	106.5	93.3	79.6	66.5	61.6	56.6	51.5	46.3	41.0	35.6	30.1
-75°	68.6	63.7	59.8	55.8	51.6	47.3	42.9	38.5	33.9	29.3	26.6
-77.5°	54.8	51.6	48.3	45.0	41.5	38.0	34.3	30.6	27.7	25.8	23.8
-80°	42.0	39.5	36.9	34.2	31.4	28.6	27.2	25.7	24.1	22.6	21.0
-82.5°	29.2	28.0	27.0	26.0	24.9	23.9	22.8	21.6	20.5	19.3	17.2
-85°	22.5	21.8	21.2	20.5	19.8	19.1	17.6	16.1	14.6	13.1	11.5
-87.5°	12.9	12.3	11.6	11.0	10.3	9.5	8.8	8.1	7.3	6.5	5.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
85°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
82.5°	14.8	12.4	9.9	7.5	5.0	2.5	0.0
80°	19.4	16.5	13.2	9.9	6.6	3.3	0.0
77.5°	21.8	19.8	16.5	12.4	8.3	4.1	0.0
75°	24.2	21.8	19.4	14.8	9.9	4.9	0.0
72.5°	26.6	23.8	21.0	17.2	11.5	5.7	0.0
70°	29.3	25.8	22.6	19.3	13.1	6.5	0.0
67.5°	33.9	27.7	24.1	20.5	14.6	7.3	0.0
65°	38.5	30.6	25.7	21.6	16.1	8.1	0.0
62.5°	42.9	34.3	27.2	22.8	17.6	8.8	0.0
60°	47.3	38.0	28.6	23.9	19.1	9.5	0.0
57.5°	51.6	41.5	31.4	24.9	19.8	10.3	0.0
55°	55.8	45.0	34.2	26.0	20.5	11.0	0.0
52.5°	59.8	48.3	36.9	27.0	21.2	11.6	0.0
50°	63.7	51.6	39.5	28.0	21.8	12.3	0.0
47.5°	68.6	54.8	42.0	29.2	22.5	12.9	0.0
45°	79.5	57.8	44.4	31.0	23.1	13.5	0.0
42.5°	90.0	60.7	46.7	32.7	23.6	14.1	0.0
40°	100.0	63.5	48.9	34.3	24.2	14.6	0.0
37.5°	109.5	66.1	51.0	35.9	24.7	15.2	0.0
35°	118.4	71.9	53.0	37.4	25.2	15.6	0.0
32.5°	131.4	78.9	54.9	38.8	25.7	16.1	0.0
30°	153.8	85.4	56.6	40.1	26.1	16.5	0.0
27.5°	174.6	91.5	58.2	41.3	26.5	16.9	0.0
25°	193.7	97.1	59.7	42.4	26.9	17.3	0.0
22.5°	211.2	102.2	61.1	43.4	27.2	17.6	0.0
20°	226.9	106.8	62.3	44.3	27.5	17.9	0.0
17.5°	240.9	110.9	63.4	45.1	27.8	18.2	0.0
15°	253.0	114.5	64.4	45.8	28.0	18.4	0.0
12.5°	263.4	117.5	65.2	46.4	28.2	18.6	0.0
10°	271.8	120.0	65.8	46.9	28.4	18.8	0.0
7.5°	278.5	121.9	66.3	47.3	28.5	18.9	0.0
5°	283.2	123.3	66.7	47.6	28.6	19.0	0.0
2.5°	286.0	124.1	66.9	47.7	28.7	19.1	0.0
0°	287.0	124.4	67.0	47.8	28.7	19.1	0.0
-2.5°	286.0	124.1	66.9	47.7	28.7	19.1	0.0
-5°	283.2	123.3	66.7	47.6	28.6	19.0	0.0
-7.5°	278.5	121.9	66.3	47.3	28.5	18.9	0.0
-10°	271.8	120.0	65.8	46.9	28.4	18.8	0.0
-12.5°	263.4	117.5	65.2	46.4	28.2	18.6	0.0
-15°	253.0	114.5	64.4	45.8	28.0	18.4	0.0
-17.5°	240.9	110.9	63.4	45.1	27.8	18.2	0.0
-20°	226.9	106.8	62.3	44.3	27.5	17.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	211.2	102.2	61.1	43.4	27.2	17.6	0.0
-25°	193.7	97.1	59.7	42.4	26.9	17.3	0.0
-27.5°	174.6	91.5	58.2	41.3	26.5	16.9	0.0
-30°	153.8	85.4	56.6	40.1	26.1	16.5	0.0
-32.5°	131.4	78.9	54.9	38.8	25.7	16.1	0.0
-35°	118.4	71.9	53.0	37.4	25.2	15.6	0.0
-37.5°	109.5	66.1	51.0	35.9	24.7	15.2	0.0
-40°	100.0	63.5	48.9	34.3	24.2	14.6	0.0
-42.5°	90.0	60.7	46.7	32.7	23.6	14.1	0.0
-45°	79.5	57.8	44.4	31.0	23.1	13.5	0.0
-47.5°	68.6	54.8	42.0	29.2	22.5	12.9	0.0
-50°	63.7	51.6	39.5	28.0	21.8	12.3	0.0
-52.5°	59.8	48.3	36.9	27.0	21.2	11.6	0.0
-55°	55.8	45.0	34.2	26.0	20.5	11.0	0.0
-57.5°	51.6	41.5	31.4	24.9	19.8	10.3	0.0
-60°	47.3	38.0	28.6	23.9	19.1	9.5	0.0
-62.5°	42.9	34.3	27.2	22.8	17.6	8.8	0.0
-65°	38.5	30.6	25.7	21.6	16.1	8.1	0.0
-67.5°	33.9	27.7	24.1	20.5	14.6	7.3	0.0
-70°	29.3	25.8	22.6	19.3	13.1	6.5	0.0
-72.5°	26.6	23.8	21.0	17.2	11.5	5.7	0.0
-75°	24.2	21.8	19.4	14.8	9.9	4.9	0.0
-77.5°	21.8	19.8	16.5	12.4	8.3	4.1	0.0
-80°	19.4	16.5	13.2	9.9	6.6	3.3	0.0
-82.5°	14.8	12.4	9.9	7.5	5.0	2.5	0.0
-85°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
-87.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)