

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: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/3/2026

Test Information

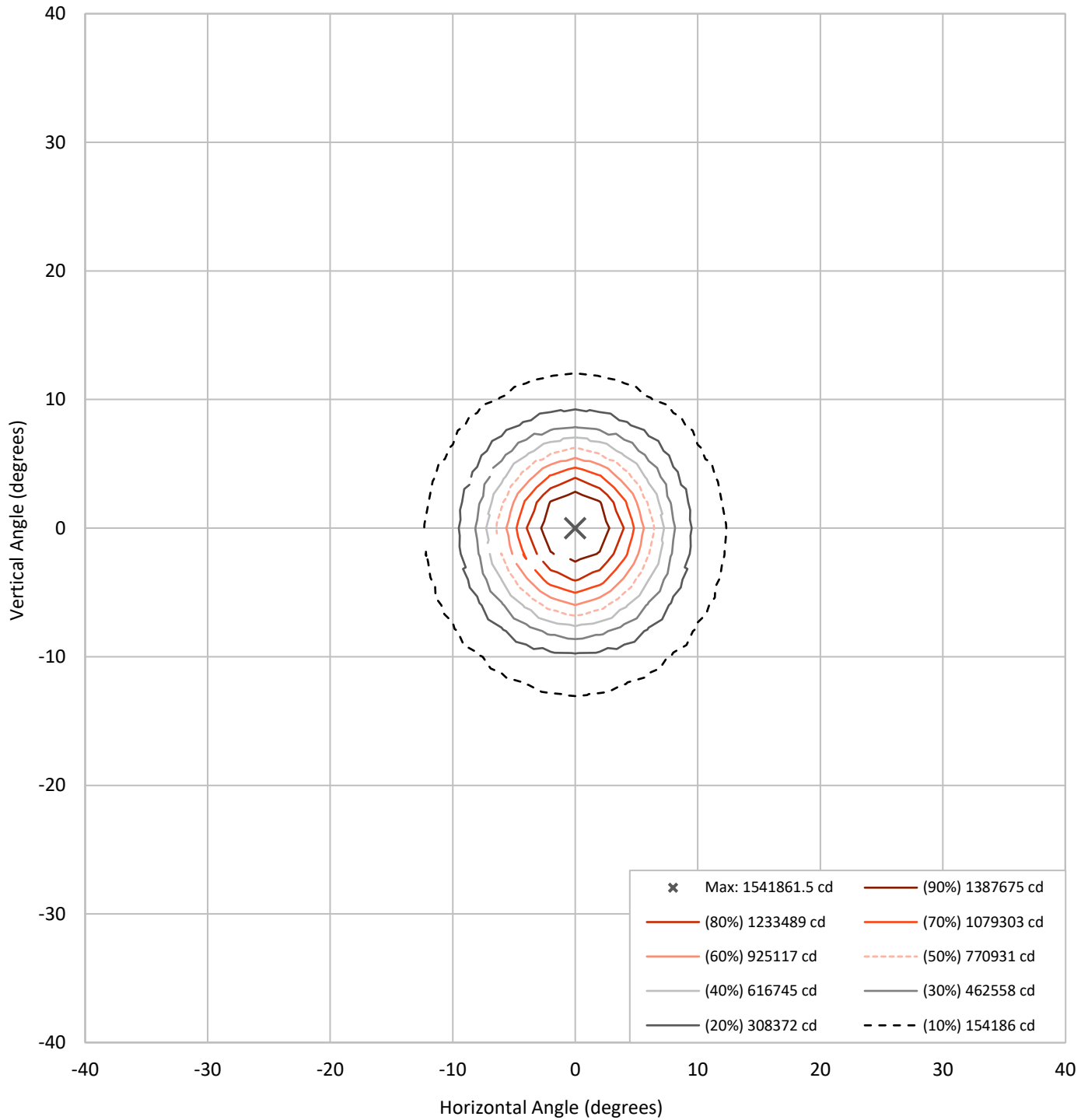
Test Method: LM-79-08
Report Number: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-52)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-40-70-1L-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 CRI LEDS AND 1L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	160119.4 lumens	Max Intensity:	1541861.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	12.8°H x 13°V	Field Angle (10%):	24.4°H x 24.6°V
Beam Lumens:	39689.5 lumens	Field Lumens:	79729.7 lumens
Beam Efficiency:	24.8%	Field Efficiency:	49.8%
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





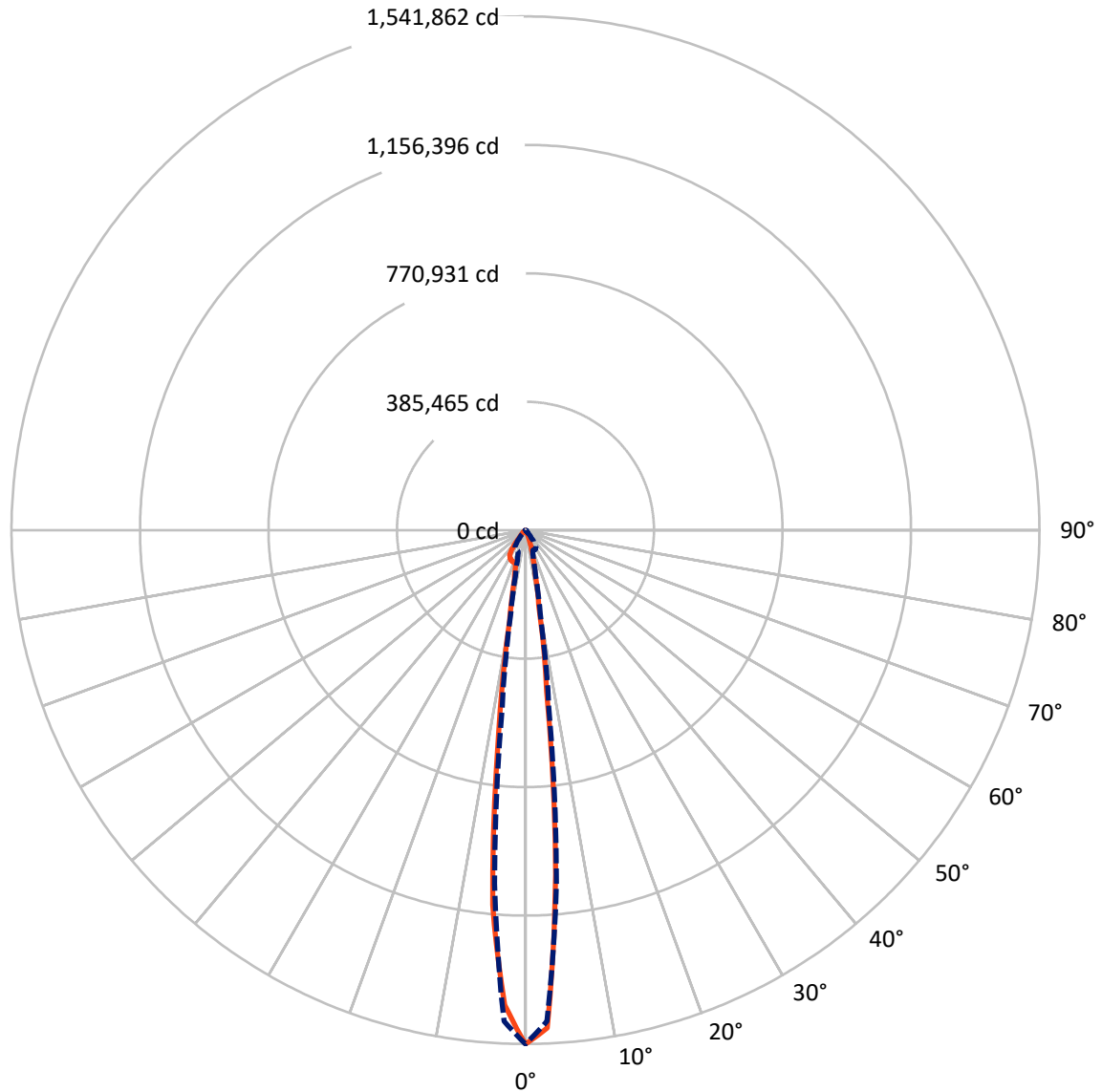
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Lumen Table

90	0.4	1.6		2.7		3.4		3.7		3.4		2.7		1.6		0.4
80	0.4	1.6		2.7		3.4		3.7		3.4		2.7		1.6		0.4
70	0.7	0.5	0.8	1.2	1.8	2.5	3.0	3.3	3.3	3.0	2.5	1.8	1.2	0.8	0.5	0.7
60		0.6	1.1	2.3	4.0	6.2	9.9	15.5	15.5	9.9	6.2	4.0	2.3	1.1	0.6	
50	0.9	0.8	2.2	5.9	10.3	18.9	28.7	41.0	41.0	28.7	18.9	10.3	5.9	2.2	0.8	0.9
40		1.0	4.9	12.7	26.0	36.8	56.0	65.7	65.7	56.0	36.8	26.0	12.7	4.9	1.0	
30	1.0	1.5	7.4	28.3	100.4	275.3	460.9	542.9	542.9	460.9	275.3	100.4	28.3	7.4	1.5	1.0
20		2.1	11.1	65.0	435.0	1071.2	1565.9	2668.4	2668.4	1565.9	1071.2	435.0	65.0	11.1	2.1	
10	1.1	2.5	14.7	125.0	900.8	1631.0	2834.8	18151.8	18151.8	2834.8	1631.0	900.8	125.0	14.7	2.5	1.1
0		2.5	15.4	154.7	1146.9	1932.2	3092.9	19252.6	19252.6	3092.9	1932.2	1146.9	154.7	15.4	2.5	
-10	1.0	2.4	12.4	121.7	990.5	2207.7	2625.0	3698.3	3698.3	2625.0	2207.7	990.5	121.7	12.4	2.4	1.0
-20		1.8	8.3	63.8	502.0	1848.8	2694.4	2970.4	2970.4	2694.4	1848.8	502.0	63.8	8.3	1.8	
-30	0.9	1.2	5.9	23.8	163.3	668.0	1479.8	2000.6	2000.6	1479.8	668.0	163.3	23.8	5.9	1.2	0.9
-40		0.9	3.1	8.4	33.6	136.3	314.4	451.6	451.6	314.4	136.3	33.6	8.4	3.1	0.9	
-50	0.7	0.7	1.5	3.5	6.8	15.9	36.5	54.2	54.2	36.5	15.9	6.8	3.5	1.5	0.7	0.7
-60		0.5	0.9	1.5	2.5	3.7	4.7	5.3	5.3	4.7	3.7	2.5	1.5	0.9	0.5	
-70	0.4	1.6		2.5		3.5		3.8		3.5		2.5		1.6		0.4
-80		1.6		2.5		3.5		3.8		3.5		2.5		1.6		
-90	0.4	1.6		2.5		3.5		3.8		3.5		2.5		1.6		0.4

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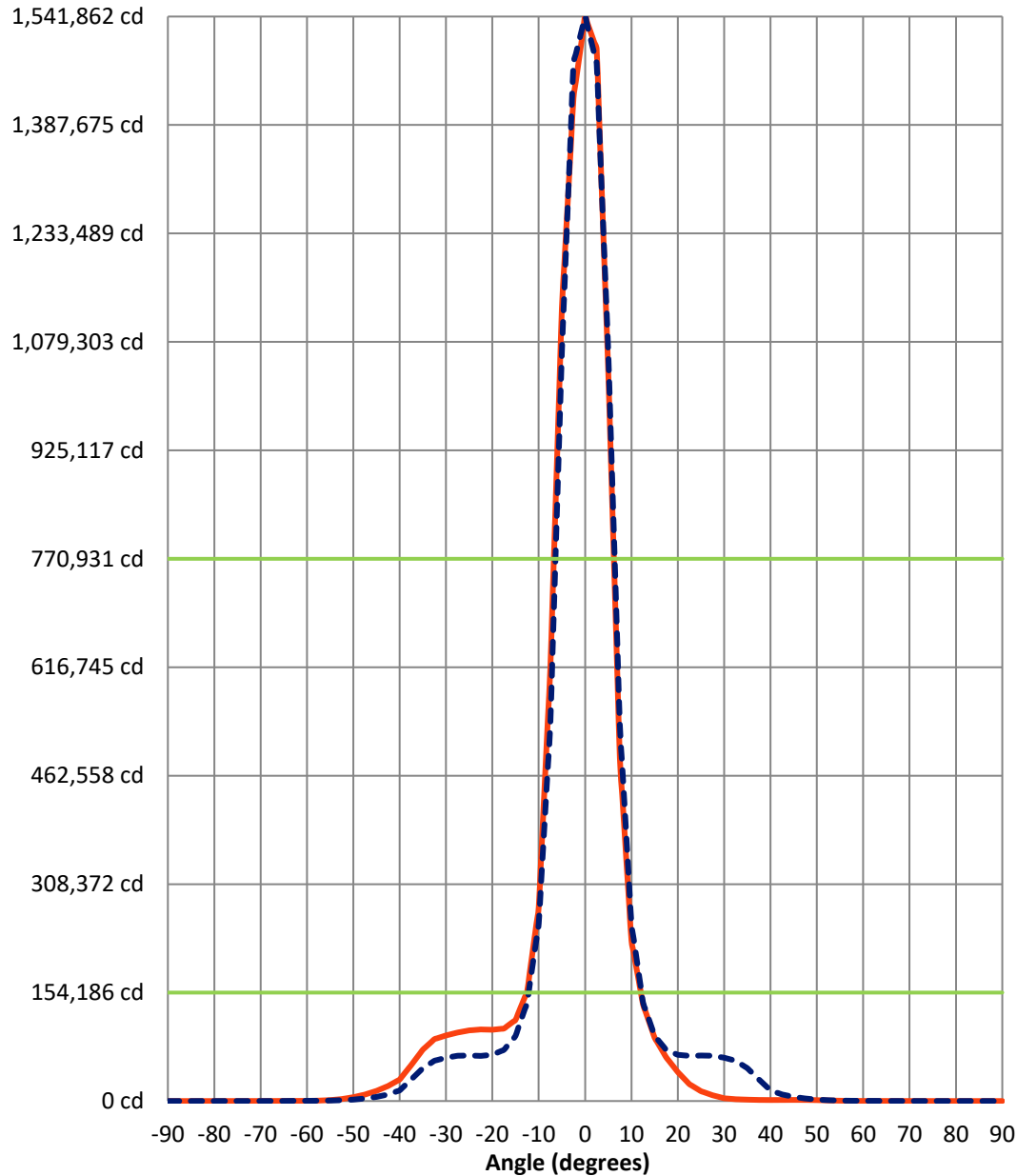
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 12.8°
 V Angle: 13°
 Lumens: 39689.5
 Efficiency: 24.8%

Field:
 H Angle: 24.4°
 V Angle: 24.6°
 Lumens: 79729.7
 Efficiency: 49.8%

Spill:
 Lumens: 80389.7
 Efficiency: 50.2%

— 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	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.7	10.9	11.6
85°	0.0	2.5	4.9	7.4	9.9	12.3	14.7	17.1	19.4	21.7	23.1
82.5°	0.0	3.7	7.4	11.1	14.8	18.4	22.0	25.6	28.4	28.4	27.7
80°	0.0	4.9	9.9	14.8	19.6	24.5	28.4	28.4	28.4	28.4	28.1
77.5°	0.0	6.1	12.3	18.4	24.5	28.4	28.4	28.4	28.4	28.4	29.3
75°	0.0	7.3	14.7	22.0	28.4	28.4	28.4	28.4	28.7	31.0	32.9
72.5°	0.0	8.5	17.1	25.6	28.4	28.4	28.4	29.1	31.8	34.5	36.6
70°	0.0	9.7	19.4	28.4	28.4	28.4	28.7	31.8	34.9	37.9	37.6
67.5°	0.0	10.9	21.7	28.4	28.4	28.4	31.0	34.5	37.9	38.1	37.8
65°	0.0	12.0	24.0	28.4	28.4	29.3	33.3	37.1	38.5	38.5	39.0
62.5°	0.0	13.1	26.2	28.4	28.4	31.2	35.5	38.5	39.1	39.5	42.7
60°	0.0	14.2	28.4	28.4	28.4	33.0	37.7	39.3	39.9	42.5	46.3
57.5°	0.0	15.3	28.4	28.4	29.7	34.8	38.7	40.2	41.9	45.3	47.5
55°	0.0	16.3	28.4	28.4	31.1	36.5	39.7	41.2	44.1	47.5	47.8
52.5°	0.0	17.3	28.4	28.4	32.5	38.1	40.7	42.8	46.1	48.1	48.3
50°	0.0	18.3	28.4	28.4	33.8	39.0	41.7	44.3	47.6	48.8	51.1
47.5°	0.0	19.2	28.4	28.6	35.0	39.9	42.8	45.7	48.5	49.7	53.9
45°	0.0	20.1	28.4	29.5	36.2	40.9	43.9	46.9	49.4	51.9	56.5
42.5°	0.0	20.9	28.4	30.4	37.4	41.9	44.8	47.9	50.5	53.9	59.8
40°	0.0	21.8	28.4	31.2	38.3	42.9	45.6	48.9	51.7	55.7	63.4
37.5°	0.0	22.5	28.4	32.0	39.1	43.9	46.4	49.9	53.1	57.7	67.1
35°	0.0	23.3	28.4	32.7	39.8	44.6	47.0	51.0	54.4	60.9	71.7
32.5°	0.0	24.0	28.4	33.4	40.6	45.1	47.7	52.1	55.4	64.1	77.8
30°	0.0	24.6	28.4	34.1	41.3	45.6	48.5	53.2	56.3	67.2	83.7
27.5°	0.0	25.2	28.4	34.7	42.0	46.0	49.4	54.0	57.8	70.3	89.5
25°	0.0	25.7	28.4	35.2	42.7	46.3	50.3	54.7	60.2	74.5	95.1
22.5°	0.0	26.2	28.4	35.7	43.4	46.6	51.1	55.2	62.6	78.9	102.2
20°	0.0	26.7	28.4	36.2	44.0	46.8	51.9	55.7	64.8	83.2	108.8
17.5°	0.0	27.1	28.4	36.6	44.6	47.0	52.8	56.0	66.9	87.1	115.0
15°	0.0	27.4	28.4	36.9	45.1	47.2	53.5	56.3	68.8	90.7	120.7
12.5°	0.0	27.7	28.4	37.2	45.7	47.3	54.2	56.5	70.5	94.0	125.9
10°	0.0	28.0	28.4	37.5	46.1	47.3	54.9	56.7	72.1	96.9	130.4
7.5°	0.0	28.2	28.4	37.7	46.5	47.4	55.5	56.7	73.4	99.4	134.4
5°	0.0	28.3	28.4	37.8	46.9	47.4	56.0	56.8	74.5	101.5	137.7
2.5°	0.0	28.4	28.4	37.9	47.2	47.4	56.5	56.8	75.3	103.1	140.2
0°	0.0	28.4	28.4	37.9	47.4	47.4	56.8	56.8	75.8	104.2	142.1
-2.5°	0.0	28.4	28.4	37.9	47.2	47.4	56.7	57.1	76.0	104.4	142.7
-5°	0.0	28.3	28.4	37.8	46.9	47.4	56.6	57.4	76.0	104.0	142.5
-7.5°	0.0	28.2	28.4	37.7	46.5	47.4	56.3	57.7	75.6	103.2	141.4
-10°	0.0	28.0	28.4	37.5	46.1	47.3	55.9	58.0	74.9	101.8	139.5
-12.5°	0.0	27.7	28.4	37.2	45.7	47.3	55.4	58.2	74.0	100.0	136.8
-15°	0.0	27.4	28.4	36.9	45.1	47.2	54.8	58.3	72.7	97.6	133.1
-17.5°	0.0	27.1	28.4	36.6	44.6	47.0	54.1	58.3	71.1	94.8	128.5
-20°	0.0	26.7	28.4	36.2	44.0	46.8	53.3	58.3	69.3	91.4	123.0



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 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	26.2	28.4	35.7	43.4	46.6	52.4	58.1	67.1	87.6	116.6
-25°	0.0	25.7	28.4	35.2	42.7	46.3	51.4	57.8	64.7	83.3	109.3
-27.5°	0.0	25.2	28.4	34.7	42.0	46.0	50.3	57.5	62.0	79.2	103.8
-30°	0.0	24.6	28.4	34.1	41.3	45.6	49.1	56.9	60.7	75.8	98.0
-32.5°	0.0	24.0	28.4	33.4	40.6	45.1	47.8	55.6	60.1	72.2	91.8
-35°	0.0	23.3	28.4	32.7	39.8	44.6	47.0	54.0	59.3	68.3	85.0
-37.5°	0.0	22.5	28.4	32.0	39.1	43.9	46.4	52.3	58.4	64.1	79.4
-40°	0.0	21.8	28.4	31.2	38.3	42.9	45.6	50.5	57.2	62.0	74.4
-42.5°	0.0	20.9	28.4	30.4	37.4	41.9	44.8	48.6	55.3	60.5	69.2
-45°	0.0	20.1	28.4	29.5	36.2	40.9	43.9	46.9	53.0	58.7	64.2
-47.5°	0.0	19.2	28.4	28.6	35.0	39.9	42.8	45.7	50.6	56.7	61.9
-50°	0.0	18.3	28.4	28.4	33.8	39.0	41.7	44.3	48.2	53.9	59.3
-52.5°	0.0	17.3	28.4	28.4	32.5	38.1	40.7	42.8	46.1	51.1	56.5
-55°	0.0	16.3	28.4	28.4	31.1	36.5	39.7	41.2	44.1	48.1	53.1
-57.5°	0.0	15.3	28.4	28.4	29.7	34.8	38.7	40.2	41.9	45.3	49.7
-60°	0.0	14.2	28.4	28.4	28.4	33.0	37.7	39.3	39.9	42.5	46.3
-62.5°	0.0	13.1	26.2	28.4	28.4	31.2	35.5	38.5	39.1	39.5	42.7
-65°	0.0	12.0	24.0	28.4	28.4	29.3	33.3	37.1	38.5	38.5	39.0
-67.5°	0.0	10.9	21.7	28.4	28.4	28.4	31.0	34.5	37.9	38.1	37.8
-70°	0.0	9.7	19.4	28.4	28.4	28.4	28.7	31.8	34.9	37.9	37.6
-72.5°	0.0	8.5	17.1	25.6	28.4	28.4	28.4	29.1	31.8	34.5	36.5
-75°	0.0	7.3	14.7	22.0	28.4	28.4	28.4	28.4	28.7	31.0	32.5
-77.5°	0.0	6.1	12.3	18.4	24.5	28.4	28.4	28.4	28.4	28.4	28.5
-80°	0.0	4.9	9.9	14.8	19.6	24.5	28.4	28.4	28.4	28.4	27.5
-82.5°	0.0	3.7	7.4	11.1	14.8	18.4	22.0	25.6	28.4	28.4	27.4
-85°	0.0	2.5	4.9	7.4	9.9	12.3	14.7	17.1	19.4	21.7	23.1
-87.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.7	10.9	11.6
-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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 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-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°	12.1	12.6	13.0	13.3	13.4	13.5	13.5	13.4	13.9	14.5	15.0
85°	24.3	25.2	24.5	23.9	23.5	23.1	22.9	22.9	22.9	22.8	22.6
82.5°	27.1	26.9	26.8	26.9	27.3	27.9	28.4	28.4	27.4	26.4	25.3
80°	28.1	28.4	29.2	29.7	29.8	29.7	29.3	28.6	27.5	27.0	27.0
77.5°	30.6	31.6	32.1	32.2	32.0	32.2	32.7	33.5	34.0	34.3	34.6
75°	34.2	34.9	34.8	35.0	35.7	36.7	37.9	38.0	37.5	37.2	37.2
72.5°	36.6	36.5	36.9	37.8	38.7	39.1	39.0	38.4	39.1	41.0	42.8
70°	37.3	37.7	39.3	40.5	41.0	41.3	42.3	43.9	45.9	48.1	50.2
67.5°	38.5	40.8	42.5	43.3	44.1	45.4	47.3	50.0	52.6	55.1	57.6
65°	42.1	44.4	45.0	45.8	47.2	50.3	53.4	56.4	59.3	62.6	66.4
62.5°	45.8	46.1	46.7	48.7	52.4	55.9	59.4	62.7	65.9	72.2	78.3
60°	46.9	47.0	49.6	53.7	57.6	61.5	65.3	71.7	78.7	85.4	89.1
57.5°	47.3	49.6	54.1	58.5	62.8	67.9	76.1	84.0	89.1	92.1	100.8
55°	48.7	53.7	58.5	63.3	69.6	78.7	87.2	93.4	97.9	121.4	140.6
52.5°	52.4	57.6	62.8	69.6	79.6	89.4	97.4	119.8	153.5	169.8	181.5
50°	55.9	61.5	67.9	78.7	89.9	100.4	138.4	186.1	206.0	215.7	221.3
47.5°	59.5	65.3	76.1	88.2	101.4	147.4	212.7	236.7	249.8	254.8	260.9
45°	63.3	71.8	84.0	99.7	140.7	226.6	261.4	278.1	282.6	299.2	343.0
42.5°	67.2	79.5	94.6	112.5	221.7	280.1	300.3	305.9	329.9	388.4	446.8
40°	73.9	87.3	106.1	192.3	292.5	316.2	325.7	346.0	421.6	505.0	576.8
37.5°	80.9	98.3	133.5	274.7	325.8	343.3	348.2	437.7	541.8	646.4	748.3
35°	87.9	109.1	203.0	323.9	358.4	362.8	432.4	547.1	688.9	827.9	950.6
32.5°	96.3	119.6	267.2	342.6	376.1	402.0	523.4	693.9	867.1	1032.4	1199.2
30°	105.5	170.7	313.4	359.3	383.9	486.8	653.0	854.3	1063.3	1289.7	1481.4
27.5°	114.5	220.4	327.4	369.3	406.7	565.5	798.3	1042.5	1304.8	1573.8	1808.1
25°	123.0	265.3	339.5	378.7	474.8	677.5	950.7	1236.7	1572.2	1907.8	2298.0
22.5°	145.5	304.4	349.9	389.6	541.0	803.5	1136.3	1507.6	1870.9	2281.3	2895.4
20°	178.8	313.0	358.6	409.9	604.8	929.7	1337.5	1842.0	2353.8	2894.3	4110.1
17.5°	207.7	320.1	367.4	461.6	700.7	1076.3	1564.7	2222.8	2943.3	3873.9	5904.8
15°	232.3	325.7	376.5	509.4	799.6	1246.9	1875.8	2714.3	3728.1	5198.0	8144.5
12.5°	252.6	329.9	385.5	552.8	892.6	1416.9	2202.2	3259.0	4673.1	7040.7	12643.6
10°	268.7	332.7	394.1	591.2	977.8	1581.7	2533.0	3828.3	5669.7	8885.5	17043.5
7.5°	280.7	334.1	401.9	624.0	1053.4	1736.1	2856.3	4400.6	6680.7	10679.9	21208.2
5°	288.8	334.4	408.6	650.5	1117.5	1875.1	3158.9	4952.2	7664.4	12365.4	24985.6
2.5°	293.0	333.5	413.7	670.0	1168.0	1992.9	3427.2	5458.1	8575.9	13879.3	28212.6
0°	293.7	331.6	416.8	682.1	1203.1	2084.1	3647.1	5892.2	9368.8	15156.8	30720.9
-2.5°	299.6	335.4	416.3	676.6	1195.9	2085.3	3680.5	5998.1	9680.0	15845.1	31762.5
-5°	301.5	338.6	413.9	663.2	1171.1	2052.6	3645.8	5994.5	9791.5	16164.2	31816.2
-7.5°	299.2	341.5	409.7	642.2	1128.3	1984.4	3537.9	5870.9	9671.8	16051.0	30793.0
-10°	292.0	344.3	404.1	613.9	1067.5	1879.6	3352.5	5618.2	9293.1	15450.9	28622.5
-12.5°	279.7	347.3	397.6	578.6	988.7	1737.2	3086.0	5229.0	8631.8	14318.8	25255.2
-15°	261.9	350.9	390.3	536.6	892.1	1556.5	2735.7	4697.7	7669.6	12620.5	20662.9
-17.5°	238.3	355.2	382.7	488.2	777.9	1337.3	2299.9	4054.8	6665.9	11100.2	18351.0
-20°	208.6	360.6	374.9	433.9	659.1	1141.7	1991.0	3519.6	5826.3	9506.4	15637.2



REPORT NUMBER: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	172.6	367.1	372.2	413.7	592.3	982.5	1680.0	2887.6	4833.1	7743.1	12848.3
-25°	148.0	325.6	378.2	403.2	520.0	805.4	1327.3	2233.6	4035.9	6644.1	10648.5
-27.5°	139.1	275.2	386.3	393.7	442.6	641.5	1078.3	1879.3	3246.7	5352.6	8301.5
-30°	129.2	217.0	396.5	390.1	416.9	552.9	872.0	1449.1	2438.0	4227.5	6687.1
-32.5°	118.2	155.5	350.3	402.1	407.8	459.7	662.0	1134.4	1905.0	3051.8	5043.7
-35°	108.1	142.5	271.5	417.1	393.5	415.1	548.3	826.2	1368.4	2275.3	3602.2
-37.5°	100.1	128.4	183.8	376.8	396.1	391.8	427.0	622.5	987.9	1549.4	2522.0
-40°	91.7	113.2	147.7	268.8	396.0	375.0	394.8	467.0	674.2	1084.1	1651.4
-42.5°	83.2	103.3	129.9	163.8	313.9	371.4	358.7	395.8	488.7	695.0	1090.3
-45°	77.2	93.2	112.5	142.3	206.7	327.0	350.0	344.1	390.1	476.1	676.8
-47.5°	70.8	83.6	101.0	121.4	150.4	221.4	315.1	328.6	327.8	372.6	430.8
-50°	65.1	76.1	89.1	106.3	127.2	154.0	215.0	285.8	304.0	306.4	338.3
-52.5°	61.8	68.1	79.5	93.0	108.9	128.5	153.2	195.1	247.7	272.9	281.1
-55°	57.9	62.7	70.1	81.4	94.3	108.9	125.4	147.8	169.9	208.9	239.8
-57.5°	53.9	57.9	62.9	70.3	81.2	93.0	106.2	119.1	138.0	157.3	178.2
-60°	49.8	53.1	57.0	61.9	68.4	78.6	89.3	101.0	112.6	123.5	139.6
-62.5°	45.8	48.6	51.5	54.8	59.5	64.9	73.3	83.1	93.2	102.8	111.6
-65°	42.1	44.4	46.6	49.0	51.3	55.4	60.2	65.5	73.7	82.1	90.0
-67.5°	38.5	40.8	42.5	43.7	45.7	47.5	49.3	53.4	57.9	62.9	68.3
-70°	37.3	37.7	39.3	40.5	41.0	41.5	43.0	44.3	45.9	48.8	53.0
-72.5°	36.6	36.5	36.9	37.8	38.7	39.1	39.0	38.4	39.1	41.0	42.8
-75°	33.7	34.8	34.8	35.0	35.7	36.7	37.9	38.0	37.5	37.2	37.2
-77.5°	29.3	30.1	30.8	31.5	32.0	32.2	32.7	33.5	34.0	34.3	34.6
-80°	26.4	25.4	25.7	26.0	26.3	26.5	26.7	26.9	27.0	27.0	27.0
-82.5°	26.4	25.3	24.3	23.2	22.2	21.1	20.3	20.1	20.7	21.1	21.3
-85°	24.3	25.2	24.2	23.2	22.1	21.1	20.0	18.9	18.4	17.9	17.6
-87.5°	12.1	12.6	13.0	13.3	13.4	13.5	13.5	13.4	13.2	12.9	12.5
-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: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-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°	15.5	15.9	16.4	16.8	17.1	17.5	15.8	14.0	12.2	10.3	8.3
85°	22.3	21.8	21.2	20.6	19.8	18.9	17.8	16.6	15.6	14.5	13.5
82.5°	24.3	23.2	22.2	21.1	20.0	19.0	18.7	18.6	18.6	18.6	18.7
80°	26.9	26.8	26.6	26.3	26.0	25.6	26.1	26.6	27.1	27.5	27.8
77.5°	34.3	33.9	33.8	33.8	34.0	34.3	35.0	35.7	36.3	36.8	37.2
75°	37.5	38.3	39.6	40.8	42.0	43.0	43.9	44.7	45.4	46.0	46.5
72.5°	44.6	46.2	47.8	49.2	50.5	51.6	52.7	53.7	54.5	55.2	55.8
70°	52.2	54.0	55.8	57.8	60.7	63.6	66.3	68.5	70.4	72.0	73.4
67.5°	60.7	64.2	67.9	71.9	75.3	78.0	79.9	81.1	82.2	83.2	83.9
65°	71.0	75.7	79.6	82.9	85.4	88.8	92.1	94.9	97.3	99.4	101.1
62.5°	83.5	87.5	91.5	95.7	100.2	106.3	112.3	117.0	121.1	124.6	127.5
60°	93.3	98.1	110.7	121.4	129.6	135.3	138.9	144.2	149.5	154.5	159.0
57.5°	119.3	134.5	146.6	155.8	162.0	165.6	168.9	178.6	191.2	203.9	216.5
55°	158.5	172.9	183.9	193.0	201.1	208.0	217.1	246.2	285.0	325.5	366.4
52.5°	199.0	212.2	224.0	239.4	271.1	301.1	329.1	376.2	448.2	522.0	595.5
50°	236.6	259.0	297.8	335.5	384.9	439.0	492.5	552.3	661.5	775.5	891.0
47.5°	299.1	343.3	399.8	461.9	529.9	609.5	688.5	763.3	874.6	999.7	1123.9
45°	380.8	446.5	519.5	608.9	700.1	783.6	858.6	925.8	1006.0	1116.0	1221.6
42.5°	491.2	561.3	658.5	759.1	853.5	924.9	969.7	1007.4	1058.6	1157.9	1244.5
40°	641.5	683.8	798.6	895.9	955.9	1007.5	1046.8	1083.0	1122.8	1218.4	1293.3
37.5°	824.6	871.2	910.5	980.0	1031.1	1076.1	1156.3	1230.9	1279.4	1369.2	1450.9
35°	1052.4	1073.9	1003.9	1044.5	1129.2	1258.5	1409.7	1586.0	1624.8	1649.3	1768.4
32.5°	1302.9	1328.2	1247.4	1188.8	1352.9	1754.7	2025.6	2383.8	2383.6	2096.5	2302.8
30°	1612.3	1707.9	1867.3	1777.1	2100.9	2817.6	3491.9	4035.3	4053.5	3428.4	3646.7
27.5°	2084.7	2564.7	3121.6	4016.0	3766.0	4733.0	6345.2	7188.1	7736.3	6977.7	7428.9
25°	2895.4	3918.7	6478.2	7918.2	8187.6	8669.1	11162.1	12845.6	14572.1	15056.7	14614.0
22.5°	4380.4	7680.8	11092.3	13181.4	14701.4	16080.7	18224.9	21842.4	23969.4	24890.3	24785.5
20°	6860.4	12531.6	16826.1	19933.5	22518.6	25098.2	28508.7	31816.2	34214.5	35283.5	36289.7
17.5°	11571.1	18218.6	23366.4	27312.1	30973.8	35095.1	38547.7	41573.6	43452.3	46255.9	49346.7
15°	16871.8	24448.6	30309.8	35202.2	39848.1	43973.6	47046.5	48881.7	52816.2	57499.2	63106.1
12.5°	22361.7	30820.8	37262.1	43010.6	48261.1	51294.2	52818.0	55404.9	60575.4	68068.6	80428.3
10°	27888.7	36863.4	43432.3	49056.6	54108.2	56906.9	57453.7	60283.9	67571.6	81508.3	101510.2
7.5°	33289.5	42639.4	48871.1	54049.4	57662.5	59234.6	60780.6	65242.4	75716.7	94860.9	135598.3
5°	38366.8	48041.2	53643.8	58141.0	60479.3	61097.5	62850.9	68868.8	83497.6	113100.6	180276.3
2.5°	42903.8	52952.6	57842.8	61514.4	62750.6	62703.4	64484.6	71382.9	89468.5	131253.4	230340.8
0°	46673.4	57254.7	61583.9	64397.4	64719.5	64198.4	65789.9	72818.9	92702.7	140186.0	252265.7
-2.5°	48582.2	59976.8	64576.0	67296.8	67685.4	67199.3	68476.3	75007.6	93674.1	137177.0	238595.0
-5°	49336.3	61859.5	67264.1	70037.5	70669.6	70301.4	71108.0	76363.3	91678.9	124116.1	192904.1
-7.5°	48795.5	62805.6	69675.3	72694.5	73716.5	73543.4	73806.9	77047.1	87317.2	107573.9	149796.9
-10°	46848.4	62741.6	71839.0	75335.7	76861.9	76974.7	77042.7	78274.0	83765.3	97013.6	117179.5
-12.5°	43415.6	61620.2	73785.2	78000.8	79865.3	80705.0	81133.6	82024.5	84412.7	88950.2	101091.2
-15°	38554.9	58021.0	72074.0	78876.3	82011.9	83976.4	85278.6	86013.1	87322.3	89469.8	93291.9
-17.5°	32638.1	51139.1	67964.7	79188.4	83555.7	86360.2	88489.1	90264.6	90888.2	92008.4	93763.9
-20°	25722.2	43102.5	61346.2	74890.9	83310.3	87773.5	90796.8	92548.0	93831.6	94897.4	96705.9



REPORT NUMBER: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20990.3	34635.5	51517.4	68640.6	79999.6	87066.2	91122.5	92926.8	94691.4	96512.3	98474.9
-25°	16688.0	25766.1	41104.3	57133.4	72425.0	82816.3	88399.6	91621.9	93760.5	96016.9	98052.0
-27.5°	13150.5	20294.2	30153.3	44926.2	59735.1	72873.1	81136.2	87931.8	90819.9	93627.1	95280.7
-30°	9905.7	15060.4	22699.9	32432.9	45045.7	56852.2	68413.9	77167.6	83785.7	88930.8	90752.8
-32.5°	7703.6	11118.4	16182.0	23261.6	30550.2	40761.9	50720.4	60565.5	69591.3	76315.3	80515.6
-35°	5612.3	8293.6	11474.2	16007.9	21124.2	27269.8	33719.0	42138.7	49699.7	56744.7	62684.4
-37.5°	3868.3	5849.0	8311.2	10963.5	14663.8	18412.3	22956.3	27309.4	30953.7	36998.2	42056.5
-40°	2606.2	3776.9	5663.6	7674.4	10081.8	12470.7	15719.2	18670.4	21568.2	24379.3	26659.6
-42.5°	1648.4	2511.8	3524.0	5060.2	6743.8	8596.8	10642.1	12578.0	14696.8	16633.0	18247.8
-45°	986.1	1546.6	2206.3	3148.7	4118.2	5528.1	6953.8	8304.7	9767.1	11026.7	12110.8
-47.5°	623.9	853.3	1308.0	1842.6	2472.3	3329.8	4188.1	5093.7	6094.7	6948.0	7676.6
-50°	408.0	528.1	742.2	970.5	1381.3	1856.7	2328.4	2907.9	3490.7	4012.7	4467.3
-52.5°	298.4	361.1	438.6	548.2	748.4	955.3	1165.8	1508.1	1818.8	2092.5	2326.7
-55°	261.9	276.9	290.8	344.4	418.4	498.0	597.9	755.4	891.3	1011.3	1114.3
-57.5°	206.5	231.7	251.2	262.8	273.3	282.8	322.2	382.6	438.0	487.4	530.5
-60°	154.9	169.4	190.5	209.5	225.9	239.6	247.0	254.8	262.0	268.3	273.8
-62.5°	120.0	131.1	143.4	154.9	165.6	177.4	189.4	199.2	207.6	214.6	220.1
-65°	97.6	104.7	111.4	117.6	123.5	132.2	140.1	146.5	151.7	155.8	158.8
-67.5°	75.0	81.4	87.4	92.9	98.0	102.7	106.9	110.7	113.9	116.7	119.0
-70°	57.0	60.7	64.3	68.1	72.6	76.8	80.5	83.8	86.6	89.1	91.1
-72.5°	44.6	46.2	48.1	51.0	53.6	55.9	58.1	60.0	61.7	63.1	64.2
-75°	37.5	38.3	39.6	40.8	42.0	43.0	43.9	44.7	45.4	46.0	46.5
-77.5°	34.3	33.9	33.8	33.8	34.0	34.3	35.0	35.7	36.3	36.8	37.2
-80°	26.9	26.8	26.6	26.3	26.0	25.6	25.9	26.3	26.7	27.1	27.5
-82.5°	21.3	21.2	20.8	20.3	19.7	19.0	17.9	16.9	15.8	14.8	13.7
-85°	17.4	17.3	17.2	17.3	17.3	17.5	16.7	16.0	15.1	14.3	13.4
-87.5°	12.1	11.5	10.9	10.3	9.6	8.8	7.9	7.1	6.1	5.2	4.2
-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: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.3	4.2	2.1	0.0	2.1	4.2	6.3	8.3	10.3	12.2	14.0
85°	12.5	11.5	10.5	9.5	10.5	11.5	12.5	13.5	14.5	15.6	16.6
82.5°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.7	18.6	18.6	18.6
80°	28.1	28.3	28.4	28.4	28.4	28.3	28.1	27.8	27.5	27.1	26.6
77.5°	37.5	37.7	37.9	37.9	37.9	37.7	37.5	37.2	36.8	36.3	35.7
75°	46.9	47.2	47.3	47.4	47.3	47.2	46.9	46.5	46.0	45.4	44.7
72.5°	56.2	56.5	56.7	56.8	56.7	56.5	56.2	55.8	55.2	54.5	53.7
70°	74.4	75.2	75.6	75.8	75.6	75.2	74.4	73.4	72.0	70.4	68.5
67.5°	84.5	85.0	85.2	85.3	85.2	85.0	84.5	83.9	83.2	82.2	81.1
65°	102.5	103.4	104.0	104.2	104.0	103.4	102.5	101.1	99.4	97.3	94.9
62.5°	129.7	131.3	132.3	132.6	132.3	131.3	129.7	127.5	124.6	121.1	117.0
60°	163.0	166.3	168.8	170.5	168.8	166.3	163.0	159.0	154.5	149.5	144.2
57.5°	228.3	239.1	248.4	255.8	248.4	239.1	228.3	216.5	203.9	191.2	178.6
55°	406.0	442.9	475.5	502.1	475.5	442.9	406.0	366.4	325.5	285.0	246.2
52.5°	666.6	733.1	792.7	843.1	792.7	733.1	666.6	595.5	522.0	448.2	376.2
50°	1004.7	1112.8	1211.8	1297.8	1211.8	1112.8	1004.7	891.0	775.5	661.5	552.3
47.5°	1245.4	1362.0	1471.7	1572.5	1471.7	1362.0	1245.4	1123.9	999.7	874.6	763.3
45°	1323.4	1421.7	1517.2	1610.4	1517.2	1421.7	1323.4	1221.6	1116.0	1006.0	925.8
42.5°	1321.2	1391.3	1458.0	1525.2	1458.0	1391.3	1321.2	1244.5	1157.9	1058.6	1007.4
40°	1349.6	1392.3	1426.8	1458.8	1426.8	1392.3	1349.6	1293.3	1218.4	1122.8	1083.0
37.5°	1509.3	1548.0	1570.8	1582.0	1570.8	1548.0	1509.3	1450.9	1369.2	1279.4	1230.9
35°	1862.3	1930.6	1972.9	1989.3	1972.9	1930.6	1862.3	1768.4	1649.3	1624.8	1586.0
32.5°	2450.7	2542.7	2582.9	2576.7	2582.9	2542.7	2450.7	2302.8	2096.5	2383.6	2383.8
30°	4059.5	4217.9	4164.4	3950.2	4164.4	4217.9	4059.5	3646.7	3428.4	4053.5	4035.3
27.5°	8667.4	9140.1	8955.2	8251.0	8955.2	9140.1	8667.4	7428.9	6977.7	7736.3	7188.1
25°	15952.2	16228.0	15511.5	14010.5	15511.5	16228.0	15952.2	14614.0	15056.7	14572.1	12845.6
22.5°	25646.4	26320.8	25765.0	24042.4	25765.0	26320.8	25646.4	24785.5	24890.3	23969.4	21842.4
20°	38195.4	40656.8	41794.2	41226.4	41794.2	40656.8	38195.4	36289.7	35283.5	34214.5	31816.2
17.5°	53144.9	57663.9	60981.6	62104.9	60981.6	57663.9	53144.9	49346.7	46255.9	43452.3	41573.6
15°	70997.2	79366.4	86486.2	90126.0	86486.2	79366.4	70997.2	63106.1	57499.2	52816.2	48881.7
12.5°	94008.4	110893.1	128265.1	137367.8	128265.1	110893.1	94008.4	80428.3	68068.6	60575.4	55404.9
10°	134276.4	174992.8	215933.1	228535.8	215933.1	174992.8	134276.4	101510.2	81508.3	67571.6	60283.9
7.5°	206212.9	314814.8	440312.2	487480.0	440312.2	314814.8	206212.9	135598.3	94860.9	75716.7	65242.4
5°	323674.4	571759.4	886564.7	#####	886564.7	571759.4	323674.4	180276.3	113100.6	83497.6	68868.8
2.5°	460026.5	900968.6	#####	#####	#####	900968.6	460026.5	230340.8	131253.4	89468.5	71382.9
0°	535034.4	#####	#####	#####	#####	#####	535034.4	252265.7	140186.0	92702.7	72818.9
-2.5°	483719.8	938640.3	#####	#####	#####	938640.3	483719.8	238595.0	137177.0	93674.1	75007.6
-5°	355124.6	642235.0	984309.9	#####	984309.9	642235.0	355124.6	192904.1	124116.1	91678.9	76363.3
-7.5°	227526.0	373246.1	539871.6	614759.0	539871.6	373246.1	227526.0	149796.9	107573.9	87317.2	77047.1
-10°	152397.7	205037.0	260909.7	275645.0	260909.7	205037.0	152397.7	117179.5	97013.6	83765.3	78274.0
-12.5°	114420.1	132810.4	148860.3	155750.1	148860.3	132810.4	114420.1	101091.2	88950.2	84412.7	82024.5
-15°	100614.3	107687.5	112471.3	115371.5	112471.3	107687.5	100614.3	93291.9	89469.8	87322.3	86013.1
-17.5°	97232.1	99315.0	101226.3	103085.1	101226.3	99315.0	97232.1	93763.9	92008.4	90888.2	90264.6
-20°	98407.8	99081.7	100112.8	101361.0	100112.8	99081.7	98407.8	96705.9	94897.4	93831.6	92548.0



REPORT NUMBER: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	99460.5	100088.7	100910.9	101768.3	100910.9	100088.7	99460.5	98474.9	96512.3	94691.4	92926.8
-25°	98765.0	99439.6	100028.1	100432.6	100028.1	99439.6	98765.0	98052.0	96016.9	93760.5	91621.9
-27.5°	96175.9	96856.0	97276.0	97391.8	97276.0	96856.0	96175.9	95280.7	93627.1	90819.9	87931.8
-30°	91996.1	92834.4	93261.9	93280.5	93261.9	92834.4	91996.1	90752.8	88930.8	83785.7	77167.6
-32.5°	83830.7	86208.2	87605.8	87994.6	87605.8	86208.2	83830.7	80515.6	76315.3	69591.3	60565.5
-35°	67314.1	70595.9	72507.8	73046.2	72507.8	70595.9	67314.1	62684.4	56744.7	49699.7	42138.7
-37.5°	46045.2	48921.6	50653.5	51220.4	50653.5	48921.6	46045.2	42056.5	36998.2	30953.7	27309.4
-40°	28414.4	29647.2	30366.8	30588.3	30366.8	29647.2	28414.4	26659.6	24379.3	21568.2	18670.4
-42.5°	19534.2	20487.5	21105.7	21390.0	21105.7	20487.5	19534.2	18247.8	16633.0	14696.8	12578.0
-45°	13007.0	13703.6	14189.7	14455.8	14189.7	13703.6	13007.0	12110.8	11026.7	9767.1	8304.7
-47.5°	8274.2	8735.0	9053.9	9226.7	9053.9	8735.0	8274.2	7676.6	6948.0	6094.7	5093.7
-50°	4848.1	5148.6	5362.8	5484.9	5362.8	5148.6	4848.1	4467.3	4012.7	3490.7	2907.9
-52.5°	2519.0	2667.2	2769.2	2823.0	2769.2	2667.2	2519.0	2326.7	2092.5	1818.8	1508.1
-55°	1199.2	1265.1	1310.8	1335.7	1310.8	1265.1	1199.2	1114.3	1011.3	891.3	755.4
-57.5°	566.4	594.5	614.3	625.2	614.3	594.5	566.4	530.5	487.4	438.0	382.6
-60°	278.2	281.5	283.5	284.2	283.5	281.5	278.2	273.8	268.3	262.0	254.8
-62.5°	224.2	226.7	227.8	227.4	227.8	226.7	224.2	220.1	214.6	207.6	199.2
-65°	160.7	161.7	161.8	161.0	161.8	161.7	160.7	158.8	155.8	151.7	146.5
-67.5°	120.8	122.1	122.8	123.1	122.8	122.1	120.8	119.0	116.7	113.9	110.7
-70°	92.7	93.8	94.5	94.7	94.5	93.8	92.7	91.1	89.1	86.6	83.8
-72.5°	65.1	65.8	66.2	66.3	66.2	65.8	65.1	64.2	63.1	61.7	60.0
-75°	46.9	47.2	47.3	47.4	47.3	47.2	46.9	46.5	46.0	45.4	44.7
-77.5°	37.5	37.7	37.9	37.9	37.9	37.7	37.5	37.2	36.8	36.3	35.7
-80°	27.9	28.1	28.3	28.4	28.3	28.1	27.9	27.5	27.1	26.7	26.3
-82.5°	12.7	11.6	10.6	9.5	10.6	11.6	12.7	13.7	14.8	15.8	16.9
-85°	12.5	11.5	10.5	9.5	10.5	11.5	12.5	13.4	14.3	15.1	16.0
-87.5°	3.1	2.1	1.1	0.0	1.1	2.1	3.1	4.2	5.2	6.1	7.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	15.8	17.5	17.1	16.8	16.4	15.9	15.5	15.0	14.5	13.9	13.4
85°	17.8	18.9	19.8	20.6	21.2	21.8	22.3	22.6	22.8	22.9	22.9
82.5°	18.7	19.0	20.0	21.1	22.2	23.2	24.3	25.3	26.4	27.4	28.4
80°	26.1	25.6	26.0	26.3	26.6	26.8	26.9	27.0	27.0	27.5	28.6
77.5°	35.0	34.3	34.0	33.8	33.8	33.9	34.3	34.6	34.3	34.0	33.5
75°	43.9	43.0	42.0	40.8	39.6	38.3	37.5	37.2	37.2	37.5	38.0
72.5°	52.7	51.6	50.5	49.2	47.8	46.2	44.6	42.8	41.0	39.1	38.4
70°	66.3	63.6	60.7	57.8	55.8	54.0	52.2	50.2	48.1	45.9	43.9
67.5°	79.9	78.0	75.3	71.9	67.9	64.2	60.7	57.6	55.1	52.6	50.0
65°	92.1	88.8	85.4	82.9	79.6	75.7	71.0	66.4	62.6	59.3	56.4
62.5°	112.3	106.3	100.2	95.7	91.5	87.5	83.5	78.3	72.2	65.9	62.7
60°	138.9	135.3	129.6	121.4	110.7	98.1	93.3	89.1	85.4	78.7	71.7
57.5°	168.9	165.6	162.0	155.8	146.6	134.5	119.3	100.8	92.1	89.1	84.0
55°	217.1	208.0	201.1	193.0	183.9	172.9	158.5	140.6	121.4	97.9	93.4
52.5°	329.1	301.1	271.1	239.4	224.0	212.2	199.0	181.5	169.8	153.5	119.8
50°	492.5	439.0	384.9	335.5	297.8	259.0	236.6	221.3	215.7	206.0	186.1
47.5°	688.5	609.5	529.9	461.9	399.8	343.3	299.1	260.9	254.8	249.8	236.7
45°	858.6	783.6	700.1	608.9	519.5	446.5	380.8	343.0	299.2	282.6	278.1
42.5°	969.7	924.9	853.5	759.1	658.5	561.3	491.2	446.8	388.4	329.9	305.9
40°	1046.8	1007.5	955.9	895.9	798.6	683.8	641.5	576.8	505.0	421.6	346.0
37.5°	1156.3	1076.1	1031.1	980.0	910.5	871.2	824.6	748.3	646.4	541.8	437.7
35°	1409.7	1258.5	1129.2	1044.5	1003.9	1073.9	1052.4	950.6	827.9	688.9	547.1
32.5°	2025.6	1754.7	1352.9	1188.8	1247.4	1328.2	1302.9	1199.2	1032.4	867.1	693.9
30°	3491.9	2817.6	2100.9	1777.1	1867.3	1707.9	1612.3	1481.4	1289.7	1063.3	854.3
27.5°	6345.2	4733.0	3766.0	4016.0	3121.6	2564.7	2084.7	1808.1	1573.8	1304.8	1042.5
25°	11162.1	8669.1	8187.6	7918.2	6478.2	3918.7	2895.4	2298.0	1907.8	1572.2	1236.7
22.5°	18224.9	16080.7	14701.4	13181.4	11092.3	7680.8	4380.4	2895.4	2281.3	1870.9	1507.6
20°	28508.7	25098.2	22518.6	19933.5	16826.1	12531.6	6860.4	4110.1	2894.3	2353.8	1842.0
17.5°	38547.7	35095.1	30973.8	27312.1	23366.4	18218.6	11571.1	5904.8	3873.9	2943.3	2222.8
15°	47046.5	43973.6	39848.1	35202.2	30309.8	24448.6	16871.8	8144.5	5198.0	3728.1	2714.3
12.5°	52818.0	51294.2	48261.1	43010.6	37262.1	30820.8	22361.7	12643.6	7040.7	4673.1	3259.0
10°	57453.7	56906.9	54108.2	49056.6	43432.3	36863.4	27888.7	17043.5	8885.5	5669.7	3828.3
7.5°	60780.6	59234.6	57662.5	54049.4	48871.1	42639.4	33289.5	21208.2	10679.9	6680.7	4400.6
5°	62850.9	61097.5	60479.3	58141.0	53643.8	48041.2	38366.8	24985.6	12365.4	7664.4	4952.2
2.5°	64484.6	62703.4	62750.6	61514.4	57842.8	52952.6	42903.8	28212.6	13879.3	8575.9	5458.1
0°	65789.9	64198.4	64719.5	64397.4	61583.9	57254.7	46673.4	30720.9	15156.8	9368.8	5892.2
-2.5°	68476.3	67199.3	67685.4	67296.8	64576.0	59976.8	48582.2	31762.5	15845.1	9680.0	5998.1
-5°	71108.0	70301.4	70669.6	70037.5	67264.1	61859.5	49336.3	31816.2	16164.2	9791.5	5994.5
-7.5°	73806.9	73543.4	73716.5	72694.5	69675.3	62805.6	48795.5	30793.0	16051.0	9671.8	5870.9
-10°	77042.7	76974.7	76861.9	75335.7	71839.0	62741.6	46848.4	28622.5	15450.9	9293.1	5618.2
-12.5°	81133.6	80705.0	79865.3	78000.8	73785.2	61620.2	43415.6	25255.2	14318.8	8631.8	5229.0
-15°	85278.6	83976.4	82011.9	78876.3	72074.0	58021.0	38554.9	20662.9	12620.5	7669.6	4697.7
-17.5°	88489.1	86360.2	83555.7	79188.4	67964.7	51139.1	32638.1	18351.0	11100.2	6665.9	4054.8
-20°	90796.8	87773.5	83310.3	74890.9	61346.2	43102.5	25722.2	15637.2	9506.4	5826.3	3519.6



REPORT NUMBER: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	91122.5	87066.2	79999.6	68640.6	51517.4	34635.5	20990.3	12848.3	7743.1	4833.1	2887.6
-25°	88399.6	82816.3	72425.0	57133.4	41104.3	25766.1	16688.0	10648.5	6644.1	4035.9	2233.6
-27.5°	81136.2	72873.1	59735.1	44926.2	30153.3	20294.2	13150.5	8301.5	5352.6	3246.7	1879.3
-30°	68413.9	56852.2	45045.7	32432.9	22699.9	15060.4	9905.7	6687.1	4227.5	2438.0	1449.1
-32.5°	50720.4	40761.9	30550.2	23261.6	16182.0	11118.4	7703.6	5043.7	3051.8	1905.0	1134.4
-35°	33719.0	27269.8	21124.2	16007.9	11474.2	8293.6	5612.3	3602.2	2275.3	1368.4	826.2
-37.5°	22956.3	18412.3	14663.8	10963.5	8311.2	5849.0	3868.3	2522.0	1549.4	987.9	622.5
-40°	15719.2	12470.7	10081.8	7674.4	5663.6	3776.9	2606.2	1651.4	1084.1	674.2	467.0
-42.5°	10642.1	8596.8	6743.8	5060.2	3524.0	2511.8	1648.4	1090.3	695.0	488.7	395.8
-45°	6953.8	5528.1	4118.2	3148.7	2206.3	1546.6	986.1	676.8	476.1	390.1	344.1
-47.5°	4188.1	3329.8	2472.3	1842.6	1308.0	853.3	623.9	430.8	372.6	327.8	328.6
-50°	2328.4	1856.7	1381.3	970.5	742.2	528.1	408.0	338.3	306.4	304.0	285.8
-52.5°	1165.8	955.3	748.4	548.2	438.6	361.1	298.4	281.1	272.9	247.7	195.1
-55°	597.9	498.0	418.4	344.4	290.8	276.9	261.9	239.8	208.9	169.9	147.8
-57.5°	322.2	282.8	273.3	262.8	251.2	231.7	206.5	178.2	157.3	138.0	119.1
-60°	247.0	239.6	225.9	209.5	190.5	169.4	154.9	139.6	123.5	112.6	101.0
-62.5°	189.4	177.4	165.6	154.9	143.4	131.1	120.0	111.6	102.8	93.2	83.1
-65°	140.1	132.2	123.5	117.6	111.4	104.7	97.6	90.0	82.1	73.7	65.5
-67.5°	106.9	102.7	98.0	92.9	87.4	81.4	75.0	68.3	62.9	57.9	53.4
-70°	80.5	76.8	72.6	68.1	64.3	60.7	57.0	53.0	48.8	45.9	44.3
-72.5°	58.1	55.9	53.6	51.0	48.1	46.2	44.6	42.8	41.0	39.1	38.4
-75°	43.9	43.0	42.0	40.8	39.6	38.3	37.5	37.2	37.2	37.5	38.0
-77.5°	35.0	34.3	34.0	33.8	33.8	33.9	34.3	34.6	34.3	34.0	33.5
-80°	25.9	25.6	26.0	26.3	26.6	26.8	26.9	27.0	27.0	27.0	26.9
-82.5°	17.9	19.0	19.7	20.3	20.8	21.2	21.3	21.3	21.1	20.7	20.1
-85°	16.7	17.5	17.3	17.3	17.2	17.3	17.4	17.6	17.9	18.4	18.9
-87.5°	7.9	8.8	9.6	10.3	10.9	11.5	12.1	12.5	12.9	13.2	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: P1306499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-1L-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°	13.5	13.5	13.4	13.3	13.0	12.6	12.1	11.6	10.9	9.7	8.5
85°	22.9	23.1	23.5	23.9	24.5	25.2	24.3	23.1	21.7	19.4	17.1
82.5°	28.4	27.9	27.3	26.9	26.8	26.9	27.1	27.7	28.4	28.4	25.6
80°	29.3	29.7	29.8	29.7	29.2	28.4	28.1	28.1	28.4	28.4	28.4
77.5°	32.7	32.2	32.0	32.2	32.1	31.6	30.6	29.3	28.4	28.4	28.4
75°	37.9	36.7	35.7	35.0	34.8	34.9	34.2	32.9	31.0	28.7	28.4
72.5°	39.0	39.1	38.7	37.8	36.9	36.5	36.6	36.6	34.5	31.8	29.1
70°	42.3	41.3	41.0	40.5	39.3	37.7	37.3	37.6	37.9	34.9	31.8
67.5°	47.3	45.4	44.1	43.3	42.5	40.8	38.5	37.8	38.1	37.9	34.5
65°	53.4	50.3	47.2	45.8	45.0	44.4	42.1	39.0	38.5	38.5	37.1
62.5°	59.4	55.9	52.4	48.7	46.7	46.1	45.8	42.7	39.5	39.1	38.5
60°	65.3	61.5	57.6	53.7	49.6	47.0	46.9	46.3	42.5	39.9	39.3
57.5°	76.1	67.9	62.8	58.5	54.1	49.6	47.3	47.5	45.3	41.9	40.2
55°	87.2	78.7	69.6	63.3	58.5	53.7	48.7	47.8	47.5	44.1	41.2
52.5°	97.4	89.4	79.6	69.6	62.8	57.6	52.4	48.3	48.1	46.1	42.8
50°	138.4	100.4	89.9	78.7	67.9	61.5	55.9	51.1	48.8	47.6	44.3
47.5°	212.7	147.4	101.4	88.2	76.1	65.3	59.5	53.9	49.7	48.5	45.7
45°	261.4	226.6	140.7	99.7	84.0	71.8	63.3	56.5	51.9	49.4	46.9
42.5°	300.3	280.1	221.7	112.5	94.6	79.5	67.2	59.8	53.9	50.5	47.9
40°	325.7	316.2	292.5	192.3	106.1	87.3	73.9	63.4	55.7	51.7	48.9
37.5°	348.2	343.3	325.8	274.7	133.5	98.3	80.9	67.1	57.7	53.1	49.9
35°	432.4	362.8	358.4	323.9	203.0	109.1	87.9	71.7	60.9	54.4	51.0
32.5°	523.4	402.0	376.1	342.6	267.2	119.6	96.3	77.8	64.1	55.4	52.1
30°	653.0	486.8	383.9	359.3	313.4	170.7	105.5	83.7	67.2	56.3	53.2
27.5°	798.3	565.5	406.7	369.3	327.4	220.4	114.5	89.5	70.3	57.8	54.0
25°	950.7	677.5	474.8	378.7	339.5	265.3	123.0	95.1	74.5	60.2	54.7
22.5°	1136.3	803.5	541.0	389.6	349.9	304.4	145.5	102.2	78.9	62.6	55.2
20°	1337.5	929.7	604.8	409.9	358.6	313.0	178.8	108.8	83.2	64.8	55.7
17.5°	1564.7	1076.3	700.7	461.6	367.4	320.1	207.7	115.0	87.1	66.9	56.0
15°	1875.8	1246.9	799.6	509.4	376.5	325.7	232.3	120.7	90.7	68.8	56.3
12.5°	2202.2	1416.9	892.6	552.8	385.5	329.9	252.6	125.9	94.0	70.5	56.5
10°	2533.0	1581.7	977.8	591.2	394.1	332.7	268.7	130.4	96.9	72.1	56.7
7.5°	2856.3	1736.1	1053.4	624.0	401.9	334.1	280.7	134.4	99.4	73.4	56.7
5°	3158.9	1875.1	1117.5	650.5	408.6	334.4	288.8	137.7	101.5	74.5	56.8
2.5°	3427.2	1992.9	1168.0	670.0	413.7	333.5	293.0	140.2	103.1	75.3	56.8
0°	3647.1	2084.1	1203.1	682.1	416.8	331.6	293.7	142.1	104.2	75.8	56.8
-2.5°	3680.5	2085.3	1195.9	676.6	416.3	335.4	299.6	142.7	104.4	76.0	57.1
-5°	3645.8	2052.6	1171.1	663.2	413.9	338.6	301.5	142.5	104.0	76.0	57.4
-7.5°	3537.9	1984.4	1128.3	642.2	409.7	341.5	299.2	141.4	103.2	75.6	57.7
-10°	3352.5	1879.6	1067.5	613.9	404.1	344.3	292.0	139.5	101.8	74.9	58.0
-12.5°	3086.0	1737.2	988.7	578.6	397.6	347.3	279.7	136.8	100.0	74.0	58.2
-15°	2735.7	1556.5	892.1	536.6	390.3	350.9	261.9	133.1	97.6	72.7	58.3
-17.5°	2299.9	1337.3	777.9	488.2	382.7	355.2	238.3	128.5	94.8	71.1	58.3
-20°	1991.0	1141.7	659.1	433.9	374.9	360.6	208.6	123.0	91.4	69.3	58.3



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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°	1680.0	982.5	592.3	413.7	372.2	367.1	172.6	116.6	87.6	67.1	58.1
-25°	1327.3	805.4	520.0	403.2	378.2	325.6	148.0	109.3	83.3	64.7	57.8
-27.5°	1078.3	641.5	442.6	393.7	386.3	275.2	139.1	103.8	79.2	62.0	57.5
-30°	872.0	552.9	416.9	390.1	396.5	217.0	129.2	98.0	75.8	60.7	56.9
-32.5°	662.0	459.7	407.8	402.1	350.3	155.5	118.2	91.8	72.2	60.1	55.6
-35°	548.3	415.1	393.5	417.1	271.5	142.5	108.1	85.0	68.3	59.3	54.0
-37.5°	427.0	391.8	396.1	376.8	183.8	128.4	100.1	79.4	64.1	58.4	52.3
-40°	394.8	375.0	396.0	268.8	147.7	113.2	91.7	74.4	62.0	57.2	50.5
-42.5°	358.7	371.4	313.9	163.8	129.9	103.3	83.2	69.2	60.5	55.3	48.6
-45°	350.0	327.0	206.7	142.3	112.5	93.2	77.2	64.2	58.7	53.0	46.9
-47.5°	315.1	221.4	150.4	121.4	101.0	83.6	70.8	61.9	56.7	50.6	45.7
-50°	215.0	154.0	127.2	106.3	89.1	76.1	65.1	59.3	53.9	48.2	44.3
-52.5°	153.2	128.5	108.9	93.0	79.5	68.1	61.8	56.5	51.1	46.1	42.8
-55°	125.4	108.9	94.3	81.4	70.1	62.7	57.9	53.1	48.1	44.1	41.2
-57.5°	106.2	93.0	81.2	70.3	62.9	57.9	53.9	49.7	45.3	41.9	40.2
-60°	89.3	78.6	68.4	61.9	57.0	53.1	49.8	46.3	42.5	39.9	39.3
-62.5°	73.3	64.9	59.5	54.8	51.5	48.6	45.8	42.7	39.5	39.1	38.5
-65°	60.2	55.4	51.3	49.0	46.6	44.4	42.1	39.0	38.5	38.5	37.1
-67.5°	49.3	47.5	45.7	43.7	42.5	40.8	38.5	37.8	38.1	37.9	34.5
-70°	43.0	41.5	41.0	40.5	39.3	37.7	37.3	37.6	37.9	34.9	31.8
-72.5°	39.0	39.1	38.7	37.8	36.9	36.5	36.6	36.5	34.5	31.8	29.1
-75°	37.9	36.7	35.7	35.0	34.8	34.8	33.7	32.5	31.0	28.7	28.4
-77.5°	32.7	32.2	32.0	31.5	30.8	30.1	29.3	28.5	28.4	28.4	28.4
-80°	26.7	26.5	26.3	26.0	25.7	25.4	26.4	27.5	28.4	28.4	28.4
-82.5°	20.3	21.1	22.2	23.2	24.3	25.3	26.4	27.4	28.4	28.4	25.6
-85°	20.0	21.1	22.1	23.2	24.2	25.2	24.3	23.1	21.7	19.4	17.1
-87.5°	13.5	13.5	13.4	13.3	13.0	12.6	12.1	11.6	10.9	9.7	8.5
-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°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
85°	14.7	12.3	9.9	7.4	4.9	2.5	0.0
82.5°	22.0	18.4	14.8	11.1	7.4	3.7	0.0
80°	28.4	24.5	19.6	14.8	9.9	4.9	0.0
77.5°	28.4	28.4	24.5	18.4	12.3	6.1	0.0
75°	28.4	28.4	28.4	22.0	14.7	7.3	0.0
72.5°	28.4	28.4	28.4	25.6	17.1	8.5	0.0
70°	28.7	28.4	28.4	28.4	19.4	9.7	0.0
67.5°	31.0	28.4	28.4	28.4	21.7	10.9	0.0
65°	33.3	29.3	28.4	28.4	24.0	12.0	0.0
62.5°	35.5	31.2	28.4	28.4	26.2	13.1	0.0
60°	37.7	33.0	28.4	28.4	28.4	14.2	0.0
57.5°	38.7	34.8	29.7	28.4	28.4	15.3	0.0
55°	39.7	36.5	31.1	28.4	28.4	16.3	0.0
52.5°	40.7	38.1	32.5	28.4	28.4	17.3	0.0
50°	41.7	39.0	33.8	28.4	28.4	18.3	0.0
47.5°	42.8	39.9	35.0	28.6	28.4	19.2	0.0
45°	43.9	40.9	36.2	29.5	28.4	20.1	0.0
42.5°	44.8	41.9	37.4	30.4	28.4	20.9	0.0
40°	45.6	42.9	38.3	31.2	28.4	21.8	0.0
37.5°	46.4	43.9	39.1	32.0	28.4	22.5	0.0
35°	47.0	44.6	39.8	32.7	28.4	23.3	0.0
32.5°	47.7	45.1	40.6	33.4	28.4	24.0	0.0
30°	48.5	45.6	41.3	34.1	28.4	24.6	0.0
27.5°	49.4	46.0	42.0	34.7	28.4	25.2	0.0
25°	50.3	46.3	42.7	35.2	28.4	25.7	0.0
22.5°	51.1	46.6	43.4	35.7	28.4	26.2	0.0
20°	51.9	46.8	44.0	36.2	28.4	26.7	0.0
17.5°	52.8	47.0	44.6	36.6	28.4	27.1	0.0
15°	53.5	47.2	45.1	36.9	28.4	27.4	0.0
12.5°	54.2	47.3	45.7	37.2	28.4	27.7	0.0
10°	54.9	47.3	46.1	37.5	28.4	28.0	0.0
7.5°	55.5	47.4	46.5	37.7	28.4	28.2	0.0
5°	56.0	47.4	46.9	37.8	28.4	28.3	0.0
2.5°	56.5	47.4	47.2	37.9	28.4	28.4	0.0
0°	56.8	47.4	47.4	37.9	28.4	28.4	0.0
-2.5°	56.7	47.4	47.2	37.9	28.4	28.4	0.0
-5°	56.6	47.4	46.9	37.8	28.4	28.3	0.0
-7.5°	56.3	47.4	46.5	37.7	28.4	28.2	0.0
-10°	55.9	47.3	46.1	37.5	28.4	28.0	0.0
-12.5°	55.4	47.3	45.7	37.2	28.4	27.7	0.0
-15°	54.8	47.2	45.1	36.9	28.4	27.4	0.0
-17.5°	54.1	47.0	44.6	36.6	28.4	27.1	0.0
-20°	53.3	46.8	44.0	36.2	28.4	26.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.4	46.6	43.4	35.7	28.4	26.2	0.0
-25°	51.4	46.3	42.7	35.2	28.4	25.7	0.0
-27.5°	50.3	46.0	42.0	34.7	28.4	25.2	0.0
-30°	49.1	45.6	41.3	34.1	28.4	24.6	0.0
-32.5°	47.8	45.1	40.6	33.4	28.4	24.0	0.0
-35°	47.0	44.6	39.8	32.7	28.4	23.3	0.0
-37.5°	46.4	43.9	39.1	32.0	28.4	22.5	0.0
-40°	45.6	42.9	38.3	31.2	28.4	21.8	0.0
-42.5°	44.8	41.9	37.4	30.4	28.4	20.9	0.0
-45°	43.9	40.9	36.2	29.5	28.4	20.1	0.0
-47.5°	42.8	39.9	35.0	28.6	28.4	19.2	0.0
-50°	41.7	39.0	33.8	28.4	28.4	18.3	0.0
-52.5°	40.7	38.1	32.5	28.4	28.4	17.3	0.0
-55°	39.7	36.5	31.1	28.4	28.4	16.3	0.0
-57.5°	38.7	34.8	29.7	28.4	28.4	15.3	0.0
-60°	37.7	33.0	28.4	28.4	28.4	14.2	0.0
-62.5°	35.5	31.2	28.4	28.4	26.2	13.1	0.0
-65°	33.3	29.3	28.4	28.4	24.0	12.0	0.0
-67.5°	31.0	28.4	28.4	28.4	21.7	10.9	0.0
-70°	28.7	28.4	28.4	28.4	19.4	9.7	0.0
-72.5°	28.4	28.4	28.4	25.6	17.1	8.5	0.0
-75°	28.4	28.4	28.4	22.0	14.7	7.3	0.0
-77.5°	28.4	28.4	24.5	18.4	12.3	6.1	0.0
-80°	28.4	24.5	19.6	14.8	9.9	4.9	0.0
-82.5°	22.0	18.4	14.8	11.1	7.4	3.7	0.0
-85°	14.7	12.3	9.9	7.4	4.9	2.5	0.0
-87.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)