

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: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-80-1L-A**

Issue Date: 2/3/2026

Test Information

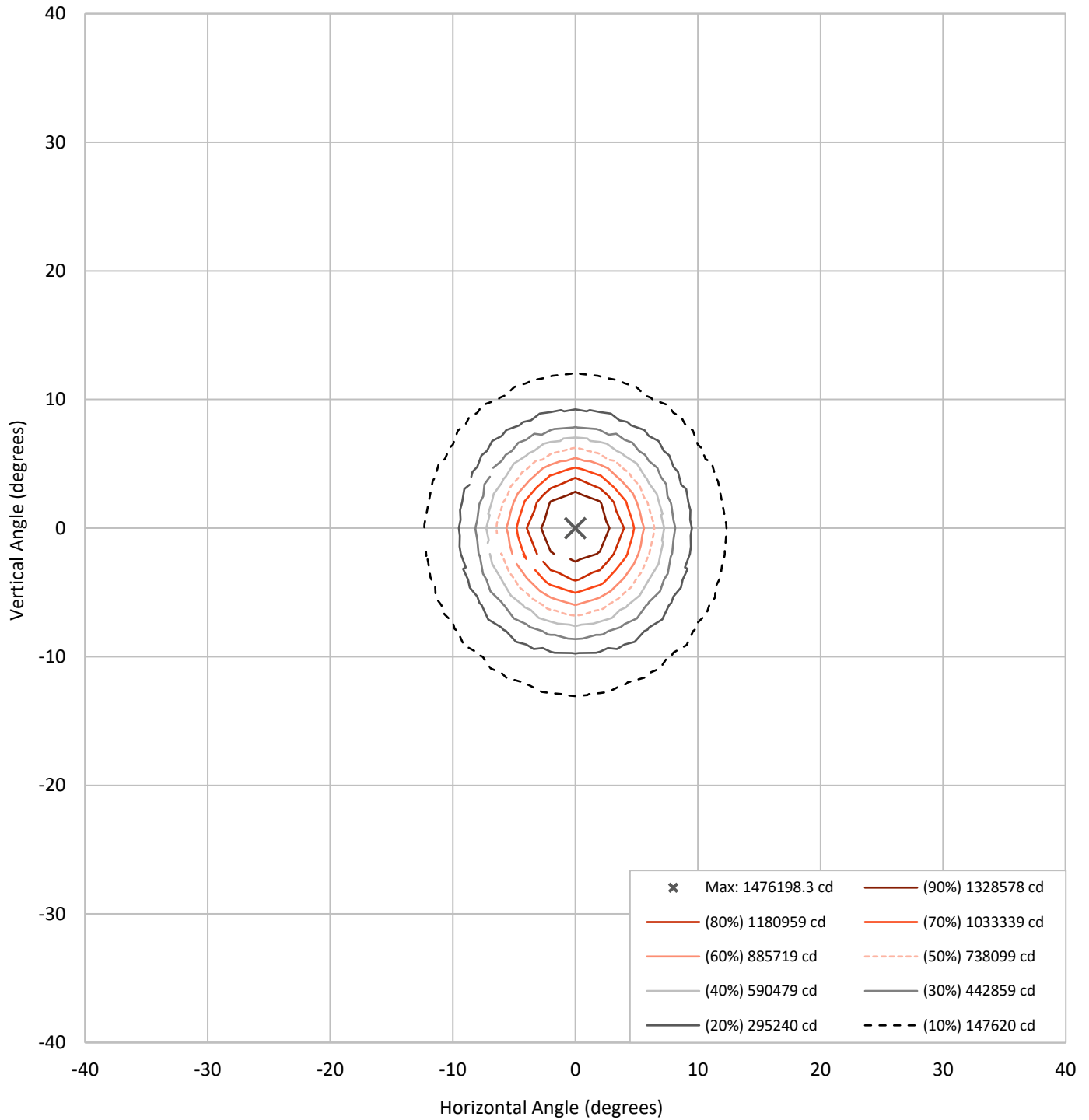
Test Method: LM-79-08
Report Number: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-52)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-57-80-1L-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 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:	153300.4 lumens	Max Intensity:	1476198.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	118.8 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:	37999.3 lumens	Field Lumens:	76334.3 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





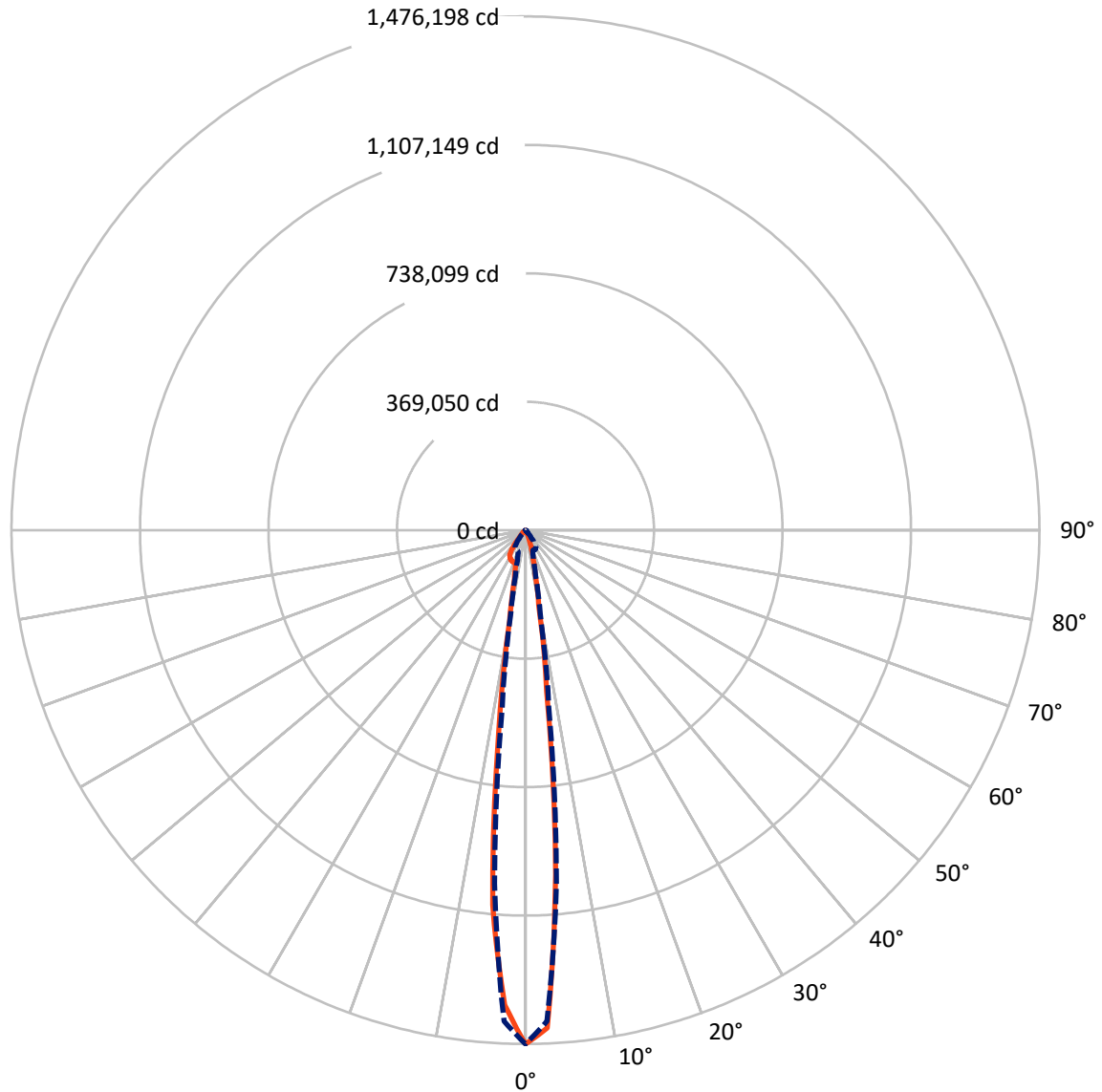
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Lumen Table

90	0.4	1.6		2.5		3.3		3.5		3.3		2.5		1.6		0.4			
80	0.4	1.6		2.5		3.3		3.5		3.3		2.5		1.6		0.4			
70	0.7	0.5	0.8	1.2	1.7	2.4	2.9	3.2	3.2	2.9	2.4	1.7	1.2	0.8	0.5	0.7			
60		0.6	1.1	2.2	3.8	5.9	9.4	14.8	14.8	9.4	5.9	3.8	2.2	1.1	0.6				
50	0.8	0.7	2.1	5.6	9.9	18.1	27.5	39.3	39.3	27.5	18.1	9.9	5.6	2.1	0.7	0.8			
40		1.0	4.7	12.2	24.9	35.2	53.6	62.9	62.9	53.6	35.2	24.9	12.2	4.7	1.0				
30	1.0	1.5	7.1	27.1	96.2	263.6	441.3	519.7	519.7	441.3	263.6	96.2	27.1	7.1	1.5	1.0			
20		2.1	10.6	62.2	416.5	1025.5	1499.2	2554.8	2554.8	1499.2	1025.5	416.5	62.2	10.6	2.1				
10	1.0	2.3	14.1	119.7	862.4	1561.6	2714.0	17378.8	17378.8	2714.0	1561.6	862.4	119.7	14.1	2.3	1.0			
0		2.4	14.8	148.1	1098.1	1849.9	2961.1	18432.7	18432.7	2961.1	1849.9	1098.1	148.1	14.8	2.4				
-10	1.0	2.3	11.8	116.5	948.3	2113.7	2513.2	3540.8	3540.8	2513.2	2113.7	948.3	116.5	11.8	2.3	1.0			
-20		1.7	8.0	61.0	480.6	1770.1	2579.7	2843.9	2843.9	2579.7	1770.1	480.6	61.0	8.0	1.7				
-30	0.9	1.2	5.7	22.7	156.3	639.6	1416.7	1915.4	1915.4	1416.7	639.6	156.3	22.7	5.7	1.2	0.9			
-40		0.9	3.0	8.0	32.2	130.5	301.0	432.3	432.3	301.0	130.5	32.2	8.0	3.0	0.9				
-50	0.7	0.7	1.4	3.4	6.5	15.2	35.0	51.9	51.9	35.0	15.2	6.5	3.4	1.4	0.7	0.7			
-60		0.5	0.8	1.4	2.4	3.5	4.5	5.0	5.0	4.5	3.5	2.4	1.4	0.8	0.5				
-70	0.4	1.5	2.4		3.3		3.6		3.3		2.4		1.5		0.4				
-80		1.5	2.4		3.3		3.6		3.3		2.4		1.5						
-90	0.4	1.5		2.4		3.3		3.6		3.3		2.4		1.5		0.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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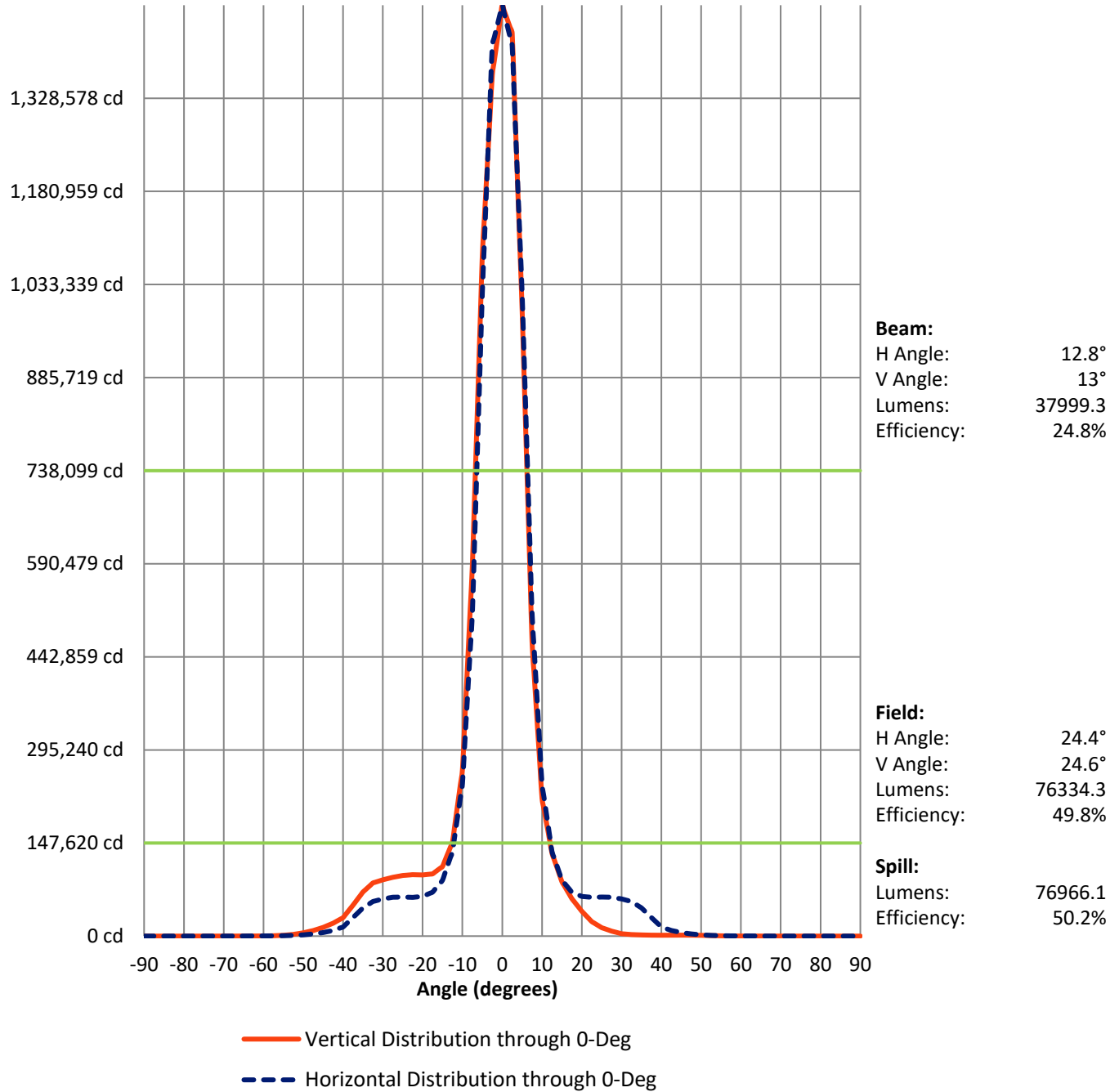
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot





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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	2.4	3.5	4.7	5.9	7.0	8.2	9.3	10.4	11.1
85°	0.0	2.4	4.7	7.1	9.4	11.8	14.1	16.3	18.6	20.8	22.1
82.5°	0.0	3.5	7.1	10.6	14.1	17.6	21.1	24.5	27.2	27.2	26.5
80°	0.0	4.7	9.4	14.1	18.8	23.4	27.2	27.2	27.2	27.2	26.9
77.5°	0.0	5.9	11.8	17.6	23.4	27.2	27.2	27.2	27.2	27.2	28.0
75°	0.0	7.0	14.1	21.1	27.2	27.2	27.2	27.2	27.5	29.7	31.5
72.5°	0.0	8.2	16.3	24.5	27.2	27.2	27.2	27.9	30.5	33.1	35.0
70°	0.0	9.3	18.6	27.2	27.2	27.2	27.5	30.5	33.5	36.3	36.0
67.5°	0.0	10.4	20.8	27.2	27.2	27.2	29.7	33.1	36.3	36.5	36.2
65°	0.0	11.5	23.0	27.2	27.2	28.1	31.9	35.6	36.9	36.9	37.3
62.5°	0.0	12.6	25.1	27.2	27.2	29.9	34.0	36.8	37.5	37.8	40.8
60°	0.0	13.6	27.2	27.2	27.2	31.6	36.1	37.6	38.2	40.7	44.2
57.5°	0.0	14.6	27.2	27.2	28.5	33.3	37.1	38.5	40.1	43.3	45.4
55°	0.0	15.6	27.2	27.2	29.8	35.0	38.0	39.4	42.1	45.4	45.7
52.5°	0.0	16.6	27.2	27.2	31.1	36.4	38.9	40.9	44.1	46.0	46.2
50°	0.0	17.5	27.2	27.2	32.3	37.3	39.9	42.4	45.5	46.7	48.9
47.5°	0.0	18.4	27.2	27.4	33.5	38.2	41.0	43.7	46.3	47.5	51.6
45°	0.0	19.2	27.2	28.3	34.7	39.1	41.9	44.9	47.3	49.6	54.1
42.5°	0.0	20.1	27.2	29.1	35.8	40.1	42.8	45.8	48.3	51.6	57.3
40°	0.0	20.8	27.2	29.9	36.7	41.0	43.6	46.8	49.5	53.3	60.8
37.5°	0.0	21.6	27.2	30.6	37.4	42.0	44.3	47.8	50.9	55.3	64.3
35°	0.0	22.3	27.2	31.3	38.1	42.6	44.9	48.8	52.1	58.3	68.7
32.5°	0.0	22.9	27.2	32.0	38.8	43.1	45.6	49.9	53.1	61.4	74.5
30°	0.0	23.6	27.2	32.6	39.5	43.6	46.4	50.9	53.9	64.4	80.2
27.5°	0.0	24.1	27.2	33.2	40.2	44.0	47.2	51.7	55.3	67.4	85.7
25°	0.0	24.7	27.2	33.7	40.8	44.3	48.1	52.3	57.7	71.3	91.0
22.5°	0.0	25.1	27.2	34.2	41.5	44.6	48.9	52.9	59.9	75.6	97.8
20°	0.0	25.6	27.2	34.6	42.1	44.8	49.7	53.3	62.0	79.6	104.2
17.5°	0.0	25.9	27.2	35.0	42.6	44.9	50.5	53.7	64.0	83.4	110.1
15°	0.0	26.3	27.2	35.4	43.2	45.1	51.2	53.9	65.9	86.9	115.5
12.5°	0.0	26.6	27.2	35.6	43.6	45.2	51.9	54.1	67.5	90.0	120.5
10°	0.0	26.8	27.2	35.9	44.1	45.2	52.6	54.3	69.0	92.8	124.8
7.5°	0.0	27.0	27.2	36.1	44.5	45.3	53.2	54.3	70.3	95.2	128.6
5°	0.0	27.1	27.2	36.2	44.8	45.3	53.7	54.4	71.3	97.2	131.8
2.5°	0.0	27.2	27.2	36.3	45.1	45.3	54.1	54.4	72.1	98.7	134.2
0°	0.0	27.2	27.2	36.3	45.3	45.3	54.4	54.4	72.6	99.8	136.0
-2.5°	0.0	27.2	27.2	36.3	45.1	45.3	54.3	54.7	72.8	100.0	136.6
-5°	0.0	27.1	27.2	36.2	44.8	45.3	54.2	55.0	72.7	99.6	136.4
-7.5°	0.0	27.0	27.2	36.1	44.5	45.3	53.9	55.3	72.4	98.8	135.4
-10°	0.0	26.8	27.2	35.9	44.1	45.2	53.6	55.5	71.7	97.5	133.6
-12.5°	0.0	26.6	27.2	35.6	43.6	45.2	53.1	55.7	70.8	95.7	130.9
-15°	0.0	26.3	27.2	35.4	43.2	45.1	52.5	55.8	69.6	93.5	127.4
-17.5°	0.0	25.9	27.2	35.0	42.6	44.9	51.8	55.9	68.1	90.7	123.0
-20°	0.0	25.6	27.2	34.6	42.1	44.8	51.0	55.8	66.3	87.5	117.8



REPORT NUMBER: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1L-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	25.1	27.2	34.2	41.5	44.6	50.2	55.7	64.3	83.9	111.6
-25°	0.0	24.7	27.2	33.7	40.8	44.3	49.2	55.4	62.0	79.8	104.6
-27.5°	0.0	24.1	27.2	33.2	40.2	44.0	48.1	55.0	59.4	75.8	99.4
-30°	0.0	23.6	27.2	32.6	39.5	43.6	46.9	54.5	58.1	72.6	93.8
-32.5°	0.0	22.9	27.2	32.0	38.8	43.1	45.7	53.3	57.6	69.1	87.8
-35°	0.0	22.3	27.2	31.3	38.1	42.6	44.9	51.7	56.8	65.4	81.4
-37.5°	0.0	21.6	27.2	30.6	37.4	42.0	44.3	50.0	55.9	61.4	76.0
-40°	0.0	20.8	27.2	29.9	36.7	41.0	43.6	48.3	54.8	59.3	71.2
-42.5°	0.0	20.1	27.2	29.1	35.8	40.1	42.8	46.4	53.0	57.9	66.2
-45°	0.0	19.2	27.2	28.3	34.7	39.1	41.9	44.9	50.7	56.2	61.4
-47.5°	0.0	18.4	27.2	27.4	33.5	38.2	41.0	43.7	48.4	54.3	59.3
-50°	0.0	17.5	27.2	27.2	32.3	37.3	39.9	42.4	46.0	51.6	56.8
-52.5°	0.0	16.6	27.2	27.2	31.1	36.4	38.9	40.9	44.1	48.8	54.1
-55°	0.0	15.6	27.2	27.2	29.8	35.0	38.0	39.4	42.1	46.0	50.9
-57.5°	0.0	14.6	27.2	27.2	28.5	33.3	37.1	38.5	40.1	43.3	47.6
-60°	0.0	13.6	27.2	27.2	27.2	31.6	36.1	37.6	38.2	40.7	44.2
-62.5°	0.0	12.6	25.1	27.2	27.2	29.9	34.0	36.8	37.5	37.8	40.8
-65°	0.0	11.5	23.0	27.2	27.2	28.1	31.9	35.6	36.9	36.9	37.3
-67.5°	0.0	10.4	20.8	27.2	27.2	27.2	29.7	33.1	36.3	36.5	36.2
-70°	0.0	9.3	18.6	27.2	27.2	27.2	27.5	30.5	33.5	36.3	36.0
-72.5°	0.0	8.2	16.3	24.5	27.2	27.2	27.2	27.9	30.5	33.1	35.0
-75°	0.0	7.0	14.1	21.1	27.2	27.2	27.2	27.2	27.5	29.7	31.2
-77.5°	0.0	5.9	11.8	17.6	23.4	27.2	27.2	27.2	27.2	27.2	27.3
-80°	0.0	4.7	9.4	14.1	18.8	23.4	27.2	27.2	27.2	27.2	26.3
-82.5°	0.0	3.5	7.1	10.6	14.1	17.6	21.1	24.5	27.2	27.2	26.3
-85°	0.0	2.4	4.7	7.1	9.4	11.8	14.1	16.3	18.6	20.8	22.1
-87.5°	0.0	1.2	2.4	3.5	4.7	5.9	7.0	8.2	9.3	10.4	11.1
-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-57-80-1L-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°	11.6	12.1	12.4	12.7	12.9	12.9	12.9	12.8	13.3	13.9	14.4
85°	23.3	24.2	23.5	22.9	22.5	22.2	22.0	21.9	22.0	21.9	21.7
82.5°	26.0	25.7	25.7	25.8	26.1	26.7	27.2	27.2	26.3	25.3	24.3
80°	26.9	27.2	27.9	28.4	28.6	28.4	28.0	27.3	26.4	25.9	25.9
77.5°	29.3	30.3	30.8	30.9	30.7	30.8	31.3	32.1	32.6	32.9	33.1
75°	32.7	33.4	33.3	33.6	34.2	35.2	36.3	36.4	35.9	35.6	35.6
72.5°	35.0	34.9	35.3	36.2	37.1	37.5	37.4	36.8	37.4	39.2	41.0
70°	35.8	36.2	37.6	38.7	39.3	39.5	40.5	42.0	43.9	46.0	48.0
67.5°	36.8	39.1	40.6	41.4	42.2	43.4	45.3	47.8	50.4	52.8	55.2
65°	40.3	42.4	43.0	43.8	45.1	48.1	51.1	54.0	56.8	60.0	63.6
62.5°	43.8	44.1	44.6	46.6	50.1	53.5	56.9	60.1	63.1	69.1	75.0
60°	44.8	45.0	47.4	51.4	55.2	58.9	62.6	68.6	75.3	81.7	85.3
57.5°	45.2	47.4	51.8	56.0	60.2	65.0	72.8	80.4	85.3	88.2	96.5
55°	46.6	51.4	56.0	60.6	66.7	75.3	83.5	89.4	93.8	116.2	134.6
52.5°	50.1	55.2	60.2	66.7	76.2	85.5	93.3	114.7	146.9	162.6	173.7
50°	53.6	58.9	65.0	75.3	86.1	96.1	132.5	178.2	197.2	206.5	211.8
47.5°	57.0	62.6	72.8	84.4	97.0	141.1	203.6	226.6	239.1	243.9	249.8
45°	60.6	68.8	80.4	95.4	134.6	216.9	250.3	266.2	270.6	286.4	328.4
42.5°	64.4	76.1	90.5	107.7	212.2	268.2	287.5	292.9	315.8	371.8	427.7
40°	70.8	83.6	101.5	184.1	280.0	302.8	311.9	331.3	403.6	483.4	552.2
37.5°	77.5	94.0	127.7	263.0	311.9	328.7	333.4	419.0	518.7	618.9	716.4
35°	84.1	104.4	194.3	310.1	343.2	347.4	413.9	523.7	659.5	792.7	910.1
32.5°	92.2	114.5	255.8	328.0	360.1	384.9	501.0	664.3	830.1	988.4	1148.1
30°	101.0	163.3	300.1	344.1	367.6	466.1	625.1	817.8	1018.0	1234.8	1418.3
27.5°	109.5	211.0	313.4	353.6	389.4	541.3	764.2	998.1	1249.3	1506.8	1731.1
25°	117.7	254.0	325.1	362.6	454.6	648.6	910.2	1184.0	1505.3	1826.5	2200.1
22.5°	139.3	291.5	335.0	373.1	518.0	769.2	1087.8	1443.4	1791.3	2184.1	2772.1
20°	171.2	299.7	343.3	392.5	579.0	890.1	1280.5	1763.5	2253.5	2771.0	3935.0
17.5°	198.8	306.4	351.8	441.9	670.8	1030.4	1498.0	2128.2	2817.9	3708.9	5653.3
15°	222.4	311.8	360.5	487.7	765.5	1193.8	1795.9	2598.7	3569.3	4976.6	7797.6
12.5°	241.8	315.8	369.1	529.3	854.5	1356.5	2108.4	3120.2	4474.0	6740.8	12105.1
10°	257.2	318.4	377.3	566.0	936.1	1514.2	2425.1	3665.2	5428.3	8507.1	16317.6
7.5°	268.7	319.9	384.8	597.4	1008.5	1662.2	2734.6	4213.2	6396.2	10225.0	20305.0
5°	276.5	320.1	391.2	622.7	1069.8	1795.2	3024.4	4741.3	7337.9	11838.8	23921.6
2.5°	280.6	319.3	396.1	641.4	1118.2	1908.0	3281.3	5225.7	8210.7	13288.2	27011.1
0°	281.2	317.4	399.1	653.0	1151.8	1995.3	3491.8	5641.3	8969.8	14511.3	29412.6
-2.5°	286.8	321.1	398.7	647.7	1145.0	1996.5	3523.8	5742.7	9267.7	15170.3	30409.9
-5°	288.7	324.1	396.3	635.0	1121.1	1965.2	3490.5	5739.2	9374.5	15475.8	30461.2
-7.5°	286.4	326.8	392.2	614.9	1080.2	1899.9	3387.2	5620.9	9259.9	15367.4	29481.6
-10°	279.6	329.5	386.9	587.8	1022.0	1799.5	3209.7	5378.9	8897.3	14792.9	27403.6
-12.5°	267.8	332.5	380.6	554.0	946.6	1663.2	2954.5	5006.3	8264.2	13709.0	24179.6
-15°	250.7	335.9	373.7	513.7	854.1	1490.2	2619.2	4497.6	7342.9	12083.1	19782.9
-17.5°	228.1	340.1	366.3	467.4	744.8	1280.4	2201.9	3882.1	6382.0	10627.5	17569.5
-20°	199.7	345.2	358.8	415.4	631.1	1093.1	1906.2	3369.7	5578.1	9101.5	14971.3



REPORT NUMBER: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1L-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	165.2	351.5	356.3	396.0	567.1	940.7	1608.4	2764.6	4627.2	7413.3	12301.1
-25°	141.7	311.7	362.1	386.0	497.8	771.1	1270.8	2138.5	3864.0	6361.1	10195.0
-27.5°	133.2	263.5	369.8	376.9	423.7	614.2	1032.4	1799.3	3108.4	5124.6	7947.9
-30°	123.7	207.8	379.6	373.4	399.1	529.4	834.9	1387.4	2334.2	4047.4	6402.3
-32.5°	113.2	148.9	335.4	385.0	390.4	440.1	633.8	1086.1	1823.9	2921.8	4828.9
-35°	103.5	136.5	260.0	399.3	376.7	397.3	525.0	791.1	1310.2	2178.4	3448.8
-37.5°	95.8	122.9	176.0	360.8	379.2	375.1	408.8	596.0	945.8	1483.5	2414.6
-40°	87.8	108.3	141.4	257.4	379.1	359.0	377.9	447.1	645.5	1038.0	1581.1
-42.5°	79.7	98.9	124.3	156.9	300.6	355.6	343.4	379.0	467.8	665.5	1044.0
-45°	73.9	89.2	107.7	136.3	198.0	313.1	335.0	329.4	373.5	455.8	648.0
-47.5°	67.8	79.9	96.6	116.2	144.0	212.0	301.6	314.6	313.8	356.7	412.4
-50°	62.4	72.8	85.2	101.7	121.7	147.5	205.8	273.7	291.0	293.3	323.9
-52.5°	59.2	65.2	76.1	89.0	104.2	123.0	146.7	186.9	237.1	261.3	269.1
-55°	55.5	60.1	67.1	77.9	90.3	104.2	120.1	141.5	162.7	200.0	229.5
-57.5°	51.6	55.5	60.2	67.3	77.7	89.0	101.7	114.1	132.1	150.7	170.6
-60°	47.7	50.9	54.5	59.3	65.5	75.3	85.5	96.7	107.8	118.3	133.7
-62.5°	43.8	46.5	49.3	52.5	57.0	62.1	70.2	79.6	89.3	98.5	106.9
-65°	40.3	42.4	44.6	46.9	49.1	53.0	57.7	62.7	70.6	78.6	86.2
-67.5°	36.8	39.1	40.6	41.8	43.7	45.5	47.2	51.1	55.4	60.2	65.4
-70°	35.8	36.2	37.6	38.7	39.3	39.7	41.1	42.4	43.9	46.7	50.7
-72.5°	35.0	34.9	35.3	36.2	37.1	37.5	37.4	36.8	37.4	39.2	41.0
-75°	32.3	33.4	33.3	33.6	34.2	35.2	36.3	36.4	35.9	35.6	35.6
-77.5°	28.1	28.8	29.5	30.2	30.7	30.8	31.3	32.1	32.6	32.9	33.1
-80°	25.3	24.3	24.6	24.9	25.2	25.4	25.6	25.8	25.9	25.9	25.9
-82.5°	25.3	24.3	23.2	22.2	21.2	20.2	19.4	19.3	19.8	20.2	20.4
-85°	23.3	24.2	23.2	22.2	21.2	20.2	19.2	18.1	17.6	17.2	16.9
-87.5°	11.6	12.1	12.4	12.7	12.9	12.9	12.9	12.8	12.6	12.3	12.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1L-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°	14.8	15.3	15.7	16.1	16.4	16.7	15.1	13.4	11.7	9.8	7.9
85°	21.4	20.9	20.3	19.7	18.9	18.1	17.0	15.9	14.9	13.9	13.0
82.5°	23.2	22.2	21.2	20.2	19.2	18.2	17.9	17.8	17.8	17.8	17.9
80°	25.8	25.7	25.5	25.2	24.9	24.5	25.0	25.5	25.9	26.3	26.6
77.5°	32.8	32.5	32.3	32.4	32.6	32.9	33.5	34.2	34.7	35.2	35.6
75°	35.9	36.7	37.9	39.1	40.1	41.1	42.0	42.7	43.4	44.0	44.5
72.5°	42.6	44.2	45.6	47.0	48.3	49.4	50.4	51.4	52.2	52.8	53.4
70°	49.9	51.7	53.4	55.4	58.1	60.9	63.5	65.6	67.4	69.0	70.3
67.5°	58.2	61.5	65.1	68.8	72.1	74.7	76.5	77.7	78.7	79.6	80.3
65°	68.0	72.5	76.2	79.3	81.7	85.0	88.1	90.8	93.2	95.2	96.8
62.5°	79.9	83.8	87.6	91.7	96.0	101.8	107.6	112.1	116.0	119.3	122.1
60°	89.3	93.9	106.0	116.3	124.1	129.6	133.0	138.1	143.2	148.0	152.3
57.5°	114.2	128.8	140.4	149.1	155.1	158.6	161.8	171.0	183.1	195.3	207.2
55°	151.8	165.6	176.0	184.8	192.6	199.2	207.8	235.7	272.8	311.6	350.7
52.5°	190.6	203.1	214.4	229.2	259.5	288.2	315.0	360.1	429.1	499.7	570.1
50°	226.5	247.9	285.1	321.2	368.5	420.2	471.5	528.8	633.4	742.5	853.1
47.5°	286.4	328.6	382.7	442.2	507.3	583.6	659.3	730.9	837.4	957.2	1076.1
45°	364.5	427.4	497.3	583.0	670.3	750.3	822.1	886.4	963.2	1068.5	1169.6
42.5°	470.2	537.4	630.5	726.8	817.2	885.5	928.4	964.5	1013.5	1108.6	1191.5
40°	614.2	654.7	764.6	857.8	915.2	964.5	1002.2	1036.8	1074.9	1166.5	1238.2
37.5°	789.5	834.1	871.7	938.3	987.2	1030.3	1107.1	1178.5	1224.9	1310.8	1389.0
35°	1007.6	1028.2	961.1	1000.0	1081.2	1204.9	1349.7	1518.5	1555.6	1579.0	1693.1
32.5°	1247.4	1271.6	1194.3	1138.2	1295.3	1680.0	1939.3	2282.3	2282.1	2007.2	2204.8
30°	1543.6	1635.1	1787.8	1701.4	2011.5	2697.6	3343.2	3863.4	3880.9	3282.3	3491.4
27.5°	1995.9	2455.5	2988.6	3844.9	3605.6	4531.4	6074.9	6882.0	7406.8	6680.5	7112.5
25°	2772.1	3751.8	6202.3	7581.0	7839.0	8299.9	10686.7	12298.4	13951.5	14415.5	13991.6
22.5°	4193.8	7353.7	10619.9	12620.1	14075.3	15395.8	17448.7	20912.2	22948.6	23830.2	23729.9
20°	6568.2	11997.9	16109.5	19084.6	21559.6	24029.3	27294.6	30461.3	32757.4	33780.9	34744.2
17.5°	11078.3	17442.7	22371.3	26149.0	29654.6	33600.5	36906.1	39803.1	41601.8	44286.0	47245.2
15°	16153.3	23407.5	29019.0	33703.0	38151.1	42100.9	45043.0	46800.0	50566.9	55050.4	60418.6
12.5°	21409.4	29508.2	35675.2	41178.9	46205.9	49109.7	50568.6	53045.4	57995.7	65169.7	77003.1
10°	26701.0	35293.5	41582.6	46967.4	51803.9	54483.4	55007.0	57716.5	64693.9	78037.1	97187.2
7.5°	31871.8	40823.5	46789.8	51747.6	55206.9	56712.0	58192.2	62463.9	72492.2	90821.0	129823.6
5°	36732.9	45995.3	51359.2	55664.9	57903.7	58495.6	60174.3	65935.8	79941.7	108283.9	172598.9
2.5°	41076.6	50697.5	55379.5	58894.7	60078.3	60033.1	61738.4	68342.9	85658.3	125663.7	220531.3
0°	44685.7	54816.4	58961.2	61654.9	61963.3	61464.4	62988.1	69717.7	88754.7	134215.9	241522.4
-2.5°	46513.2	57422.6	61825.9	64430.9	64802.9	64337.5	65560.1	71813.2	89684.8	131335.0	228433.9
-5°	47235.2	59225.1	64399.5	67054.8	67660.1	67307.5	68079.8	73111.2	87774.5	118830.3	184688.9
-7.5°	46717.5	60130.9	66708.0	69598.7	70577.1	70411.4	70663.7	73765.9	83598.6	102992.7	143417.6
-10°	44853.3	60069.6	68779.6	72127.4	73588.6	73696.6	73761.7	74940.6	80198.0	92882.1	112189.2
-12.5°	41566.7	58995.9	70642.8	74679.0	76464.1	77268.0	77678.3	78531.3	80817.8	85162.1	96786.0
-15°	36913.0	55550.1	69004.5	75517.2	78519.3	80400.1	81646.8	82350.1	83603.5	85659.5	89318.9
-17.5°	31248.1	48961.3	65070.2	75816.0	79997.3	82682.4	84720.6	86420.5	87017.5	88090.1	89770.8
-20°	24626.8	41266.9	58733.7	71701.5	79762.3	84035.5	86930.1	88606.7	89835.7	90856.1	92587.5



REPORT NUMBER: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1L-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20096.4	33160.5	49323.4	65717.3	76592.6	83358.3	87241.9	88969.3	90658.8	92402.1	94281.2
-25°	15977.3	24668.8	39353.8	54700.2	69340.6	79289.4	84635.0	87720.0	89767.5	91927.9	93876.3
-27.5°	12590.4	19429.9	28869.2	43012.9	57191.1	69769.6	77680.8	84187.1	86952.2	89639.8	91223.0
-30°	9483.8	14419.0	21733.2	31051.6	43127.3	54431.0	65500.3	73881.3	80217.5	85143.5	86887.9
-32.5°	7375.5	10644.9	15492.8	22270.9	29249.1	39025.9	48560.3	57986.2	66627.5	73065.2	77086.7
-35°	5373.3	7940.4	10985.5	15326.1	20224.6	26108.4	32283.0	40344.2	47583.1	54328.1	60014.8
-37.5°	3703.5	5599.9	7957.2	10496.5	14039.2	17628.1	21978.6	26146.3	29635.4	35422.5	40265.5
-40°	2495.2	3616.0	5422.4	7347.5	9652.4	11939.6	15049.7	17875.3	20649.7	23341.1	25524.2
-42.5°	1578.3	2404.8	3373.9	4844.6	6456.6	8230.7	10188.8	12042.4	14070.8	15924.6	17470.7
-45°	944.2	1480.8	2112.4	3014.6	3942.8	5292.7	6657.7	7951.0	9351.2	10557.1	11595.0
-47.5°	597.3	817.0	1252.3	1764.2	2367.1	3188.0	4009.7	4876.8	5835.2	6652.1	7349.7
-50°	390.6	505.5	710.6	929.1	1322.5	1777.7	2229.2	2784.1	3342.0	3841.8	4277.1
-52.5°	285.7	345.7	419.9	524.8	716.5	914.5	1116.1	1443.9	1741.4	2003.4	2227.6
-55°	250.8	265.1	278.4	329.7	400.5	476.7	572.3	723.1	853.3	968.2	1066.8
-57.5°	197.7	221.8	240.5	251.6	261.7	270.7	308.5	366.3	419.3	466.7	507.8
-60°	148.4	162.2	182.4	200.6	216.3	229.4	236.5	243.9	250.8	256.9	262.1
-62.5°	114.9	125.5	137.4	148.4	158.6	169.9	181.4	190.7	198.8	205.4	210.7
-65°	93.5	100.3	106.7	112.6	118.3	126.7	134.1	140.3	145.3	149.2	152.0
-67.5°	71.9	78.0	83.7	89.0	93.9	98.4	102.4	106.0	109.1	111.8	114.0
-70°	54.5	58.2	61.5	65.2	69.6	73.5	77.1	80.2	83.0	85.3	87.3
-72.5°	42.6	44.2	46.0	48.7	51.2	53.5	55.6	57.4	59.0	60.4	61.5
-75°	35.9	36.7	37.9	39.1	40.1	41.1	42.0	42.7	43.4	44.0	44.5
-77.5°	32.8	32.5	32.3	32.4	32.6	32.9	33.5	34.2	34.7	35.2	35.6
-80°	25.8	25.7	25.5	25.2	24.9	24.5	24.8	25.1	25.5	26.0	26.3
-82.5°	20.4	20.3	20.0	19.5	18.9	18.2	17.2	16.2	15.1	14.1	13.1
-85°	16.7	16.5	16.5	16.5	16.6	16.7	16.0	15.3	14.5	13.7	12.8
-87.5°	11.6	11.1	10.5	9.9	9.2	8.4	7.6	6.8	5.9	4.9	4.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1L-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°	6.0	4.0	2.0	0.0	2.0	4.0	6.0	7.9	9.8	11.7	13.4
85°	12.0	11.1	10.1	9.1	10.1	11.1	12.0	13.0	13.9	14.9	15.9
82.5°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.9	17.8	17.8	17.8
80°	26.9	27.1	27.2	27.2	27.2	27.1	26.9	26.6	26.3	25.9	25.5
77.5°	35.9	36.1	36.3	36.3	36.3	36.1	35.9	35.6	35.2	34.7	34.2
75°	44.8	45.1	45.2	45.3	45.2	45.1	44.8	44.5	44.0	43.4	42.7
72.5°	53.8	54.1	54.3	54.4	54.3	54.1	53.8	53.4	52.8	52.2	51.4
70°	71.3	72.0	72.5	72.6	72.5	72.0	71.3	70.3	69.0	67.4	65.6
67.5°	80.9	81.3	81.5	81.6	81.5	81.3	80.9	80.3	79.6	78.7	77.7
65°	98.1	99.1	99.6	99.8	99.6	99.1	98.1	96.8	95.2	93.2	90.8
62.5°	124.2	125.8	126.7	127.0	126.7	125.8	124.2	122.1	119.3	116.0	112.1
60°	156.1	159.3	161.7	163.3	161.7	159.3	156.1	152.3	148.0	143.2	138.1
57.5°	218.6	229.0	237.9	244.9	237.9	229.0	218.6	207.2	195.3	183.1	171.0
55°	388.7	424.0	455.2	480.7	455.2	424.0	388.7	350.7	311.6	272.8	235.7
52.5°	638.2	701.8	758.9	807.2	758.9	701.8	638.2	570.1	499.7	429.1	360.1
50°	961.9	1065.4	1160.1	1242.5	1160.1	1065.4	961.9	853.1	742.5	633.4	528.8
47.5°	1192.3	1303.9	1409.0	1505.5	1409.0	1303.9	1192.3	1076.1	957.2	837.4	730.9
45°	1267.0	1361.1	1452.6	1541.8	1452.6	1361.1	1267.0	1169.6	1068.5	963.2	886.4
42.5°	1264.9	1332.0	1395.9	1460.2	1395.9	1332.0	1264.9	1191.5	1108.6	1013.5	964.5
40°	1292.1	1333.0	1366.0	1396.7	1366.0	1333.0	1292.1	1238.2	1166.5	1074.9	1036.8
37.5°	1445.0	1482.1	1503.9	1514.6	1503.9	1482.1	1445.0	1389.0	1310.8	1224.9	1178.5
35°	1783.0	1848.4	1888.9	1904.6	1888.9	1848.4	1783.0	1693.1	1579.0	1555.6	1518.5
32.5°	2346.3	2434.4	2472.9	2466.9	2472.9	2434.4	2346.3	2204.8	2007.2	2282.1	2282.3
30°	3886.6	4038.2	3987.0	3782.0	3987.0	4038.2	3886.6	3491.4	3282.3	3880.9	3863.4
27.5°	8298.3	8750.9	8573.8	7899.6	8573.8	8750.9	8298.3	7112.5	6680.5	7406.8	6882.0
25°	15272.8	15536.9	14851.0	13413.9	14851.0	15536.9	15272.8	13991.6	14415.5	13951.5	12298.4
22.5°	24554.2	25199.9	24667.7	23018.5	24667.7	25199.9	24554.2	23729.9	23830.2	22948.6	20912.2
20°	36568.8	38925.4	40014.3	39470.7	40014.3	38925.4	36568.8	34744.2	33780.9	32757.4	30461.3
17.5°	50881.6	55208.1	58384.6	59460.1	58384.6	55208.1	50881.6	47245.2	44286.0	41601.8	39803.1
15°	67973.6	75986.4	82803.0	86287.8	82803.0	75986.4	67973.6	60418.6	55050.4	50566.9	46800.0
12.5°	90004.8	106170.5	122802.7	131517.7	122802.7	106170.5	90004.8	77003.1	65169.7	57995.7	53045.4
10°	128558.0	167540.4	206737.2	218803.2	206737.2	167540.4	128558.0	97187.2	78037.1	64693.9	57716.5
7.5°	197430.9	301407.8	421560.6	466719.7	421560.6	301407.8	197430.9	129823.6	90821.0	72492.2	62463.9
5°	309890.0	547409.9	848808.5	993026.4	848808.5	547409.9	309890.0	172598.9	108283.9	79941.7	65935.8
2.5°	440435.3	862599.0	#####	#####	#####	862599.0	440435.3	220531.3	125663.7	85658.3	68342.9
0°	512248.9	#####	#####	#####	#####	#####	512248.9	241522.4	134215.9	88754.7	69717.7
-2.5°	463119.6	898666.5	#####	#####	#####	898666.5	463119.6	228433.9	131335.0	89684.8	71813.2
-5°	340000.9	614884.2	942391.1	#####	942391.1	614884.2	340000.9	184688.9	118830.3	87774.5	73111.2
-7.5°	217836.4	357350.7	516880.1	588578.3	516880.1	357350.7	217836.4	143417.6	102992.7	83598.6	73765.9
-10°	145907.6	196305.1	249798.4	263906.1	249798.4	196305.1	145907.6	112189.2	92882.1	80198.0	74940.6
-12.5°	109547.3	127154.4	142520.8	149117.2	142520.8	127154.4	109547.3	96786.0	85162.1	80817.8	78531.3
-15°	96329.5	103101.5	107681.5	110458.2	107681.5	103101.5	96329.5	89318.9	85659.5	83603.5	82350.1
-17.5°	93091.3	95085.5	96915.4	98695.0	96915.4	95085.5	93091.3	89770.8	88090.1	87017.5	86420.5
-20°	94216.9	94862.1	95849.3	97044.3	95849.3	94862.1	94216.9	92587.5	90856.1	89835.7	88606.7



REPORT NUMBER: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	95224.8	95826.3	96613.4	97434.3	96613.4	95826.3	95224.8	94281.2	92402.1	90658.8	88969.3
-25°	94558.9	95204.8	95768.2	96155.5	95768.2	95204.8	94558.9	93876.3	91927.9	89767.5	87720.0
-27.5°	92080.0	92731.2	93133.4	93244.2	93133.4	92731.2	92080.0	91223.0	89639.8	86952.2	84187.1
-30°	88078.2	88880.9	89290.2	89308.0	89290.2	88880.9	88078.2	86887.9	85143.5	80217.5	73881.3
-32.5°	80260.7	82536.9	83874.9	84247.2	83874.9	82536.9	80260.7	77086.7	73065.2	66627.5	57986.2
-35°	64447.4	67589.4	69420.0	69935.4	69420.0	67589.4	64447.4	60014.8	54328.1	47583.1	40344.2
-37.5°	44084.3	46838.2	48496.3	49039.1	48496.3	46838.2	44084.3	40265.5	35422.5	29635.4	26146.3
-40°	27204.3	28384.6	29073.6	29285.6	29073.6	28384.6	27204.3	25524.2	23341.1	20649.7	17875.3
-42.5°	18702.3	19615.0	20206.9	20479.1	20206.9	19615.0	18702.3	17470.7	15924.6	14070.8	12042.4
-45°	12453.1	13120.0	13585.4	13840.2	13585.4	13120.0	12453.1	11595.0	10557.1	9351.2	7951.0
-47.5°	7921.8	8363.0	8668.4	8833.8	8668.4	8363.0	7921.8	7349.7	6652.1	5835.2	4876.8
-50°	4641.6	4929.4	5134.4	5251.3	5134.4	4929.4	4641.6	4277.1	3841.8	3342.0	2784.1
-52.5°	2411.7	2553.6	2651.2	2702.7	2651.2	2553.6	2411.7	2227.6	2003.4	1741.4	1443.9
-55°	1148.1	1211.2	1255.0	1278.8	1255.0	1211.2	1148.1	1066.8	968.2	853.3	723.1
-57.5°	542.2	569.2	588.2	598.6	588.2	569.2	542.2	507.8	466.7	419.3	366.3
-60°	266.3	269.5	271.4	272.1	271.4	269.5	266.3	262.1	256.9	250.8	243.9
-62.5°	214.6	217.1	218.1	217.7	218.1	217.1	214.6	210.7	205.4	198.8	190.7
-65°	153.9	154.9	154.9	154.2	154.9	154.9	153.9	152.0	149.2	145.3	140.3
-67.5°	115.7	116.9	117.7	117.9	117.7	116.9	115.7	114.0	111.8	109.1	106.0
-70°	88.8	89.8	90.5	90.7	90.5	89.8	88.8	87.3	85.3	83.0	80.2
-72.5°	62.4	63.0	63.4	63.5	63.4	63.0	62.4	61.5	60.4	59.0	57.4
-75°	44.8	45.1	45.2	45.3	45.2	45.1	44.8	44.5	44.0	43.4	42.7
-77.5°	35.9	36.1	36.3	36.3	36.3	36.1	35.9	35.6	35.2	34.7	34.2
-80°	26.7	27.0	27.1	27.2	27.1	27.0	26.7	26.3	26.0	25.5	25.1
-82.5°	12.1	11.1	10.1	9.1	10.1	11.1	12.1	13.1	14.1	15.1	16.2
-85°	12.0	11.0	10.1	9.1	10.1	11.0	12.0	12.8	13.7	14.5	15.3
-87.5°	3.0	2.0	1.0	0.0	1.0	2.0	3.0	4.0	4.9	5.9	6.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306564 (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°	15.1	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.3	12.8
85°	17.0	18.1	18.9	19.7	20.3	20.9	21.4	21.7	21.9	22.0	21.9
82.5°	17.9	18.2	19.2	20.2	21.2	22.2	23.2	24.3	25.3	26.3	27.2
80°	25.0	24.5	24.9	25.2	25.5	25.7	25.8	25.9	25.9	26.4	27.3
77.5°	33.5	32.9	32.6	32.4	32.3	32.5	32.8	33.1	32.9	32.6	32.1
75°	42.0	41.1	40.1	39.1	37.9	36.7	35.9	35.6	35.6	35.9	36.4
72.5°	50.4	49.4	48.3	47.0	45.6	44.2	42.6	41.0	39.2	37.4	36.8
70°	63.5	60.9	58.1	55.4	53.4	51.7	49.9	48.0	46.0	43.9	42.0
67.5°	76.5	74.7	72.1	68.8	65.1	61.5	58.2	55.2	52.8	50.4	47.8
65°	88.1	85.0	81.7	79.3	76.2	72.5	68.0	63.6	60.0	56.8	54.0
62.5°	107.6	101.8	96.0	91.7	87.6	83.8	79.9	75.0	69.1	63.1	60.1
60°	133.0	129.6	124.1	116.3	106.0	93.9	89.3	85.3	81.7	75.3	68.6
57.5°	161.8	158.6	155.1	149.1	140.4	128.8	114.2	96.5	88.2	85.3	80.4
55°	207.8	199.2	192.6	184.8	176.0	165.6	151.8	134.6	116.2	93.8	89.4
52.5°	315.0	288.2	259.5	229.2	214.4	203.1	190.6	173.7	162.6	146.9	114.7
50°	471.5	420.2	368.5	321.2	285.1	247.9	226.5	211.8	206.5	197.2	178.2
47.5°	659.3	583.6	507.3	442.2	382.7	328.6	286.4	249.8	243.9	239.1	226.6
45°	822.1	750.3	670.3	583.0	497.3	427.4	364.5	328.4	286.4	270.6	266.2
42.5°	928.4	885.5	817.2	726.8	630.5	537.4	470.2	427.7	371.8	315.8	292.9
40°	1002.2	964.5	915.2	857.8	764.6	654.7	614.2	552.2	483.4	403.6	331.3
37.5°	1107.1	1030.3	987.2	938.3	871.7	834.1	789.5	716.4	618.9	518.7	419.0
35°	1349.7	1204.9	1081.2	1000.0	961.1	1028.2	1007.6	910.1	792.7	659.5	523.7
32.5°	1939.3	1680.0	1295.3	1138.2	1194.3	1271.6	1247.4	1148.1	988.4	830.1	664.3
30°	3343.2	2697.6	2011.5	1701.4	1787.8	1635.1	1543.6	1418.3	1234.8	1018.0	817.8
27.5°	6074.9	4531.4	3605.6	3844.9	2988.6	2455.5	1995.9	1731.1	1506.8	1249.3	998.1
25°	10686.7	8299.9	7839.0	7581.0	6202.3	3751.8	2772.1	2200.1	1826.5	1505.3	1184.0
22.5°	17448.7	15395.8	14075.3	12620.1	10619.9	7353.7	4193.8	2772.1	2184.1	1791.3	1443.4
20°	27294.6	24029.3	21559.6	19084.6	16109.5	11997.9	6568.2	3935.0	2771.0	2253.5	1763.5
17.5°	36906.1	33600.5	29654.6	26149.0	22371.3	17442.7	11078.3	5653.3	3708.9	2817.9	2128.2
15°	45043.0	42100.9	38151.1	33703.0	29019.0	23407.5	16153.3	7797.6	4976.6	3569.3	2598.7
12.5°	50568.6	49109.7	46205.9	41178.9	35675.2	29508.2	21409.4	12105.1	6740.8	4474.0	3120.2
10°	55007.0	54483.4	51803.9	46967.4	41582.6	35293.5	26701.0	16317.6	8507.1	5428.3	3665.2
7.5°	58192.2	56712.0	55206.9	51747.6	46789.8	40823.5	31871.8	20305.0	10225.0	6396.2	4213.2
5°	60174.3	58495.6	57903.7	55664.9	51359.2	45995.3	36732.9	23921.6	11838.8	7337.9	4741.3
2.5°	61738.4	60033.1	60078.3	58894.7	55379.5	50697.5	41076.6	27011.1	13288.2	8210.7	5225.7
0°	62988.1	61464.4	61963.3	61654.9	58961.2	54816.4	44685.7	29412.6	14511.3	8969.8	5641.3
-2.5°	65560.1	64337.5	64802.9	64430.9	61825.9	57422.6	46513.2	30409.9	15170.3	9267.7	5742.7
-5°	68079.8	67307.5	67660.1	67054.8	64399.5	59225.1	47235.2	30461.2	15475.8	9374.5	5739.2
-7.5°	70663.7	70411.4	70577.1	69598.7	66708.0	60130.9	46717.5	29481.6	15367.4	9259.9	5620.9
-10°	73761.7	73696.6	73588.6	72127.4	68779.6	60069.6	44853.3	27403.6	14792.9	8897.3	5378.9
-12.5°	77678.3	77268.0	76464.1	74679.0	70642.8	58995.9	41566.7	24179.6	13709.0	8264.2	5006.3
-15°	81646.8	80400.1	78519.3	75517.2	69004.5	55550.1	36913.0	19782.9	12083.1	7342.9	4497.6
-17.5°	84720.6	82682.4	79997.3	75816.0	65070.2	48961.3	31248.1	17569.5	10627.5	6382.0	3882.1
-20°	86930.1	84035.5	79762.3	71701.5	58733.7	41266.9	24626.8	14971.3	9101.5	5578.1	3369.7



REPORT NUMBER: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	87241.9	83358.3	76592.6	65717.3	49323.4	33160.5	20096.4	12301.1	7413.3	4627.2	2764.6
-25°	84635.0	79289.4	69340.6	54700.2	39353.8	24668.8	15977.3	10195.0	6361.1	3864.0	2138.5
-27.5°	77680.8	69769.6	57191.1	43012.9	28869.2	19429.9	12590.4	7947.9	5124.6	3108.4	1799.3
-30°	65500.3	54431.0	43127.3	31051.6	21733.2	14419.0	9483.8	6402.3	4047.4	2334.2	1387.4
-32.5°	48560.3	39025.9	29249.1	22270.9	15492.8	10644.9	7375.5	4828.9	2921.8	1823.9	1086.1
-35°	32283.0	26108.4	20224.6	15326.1	10985.5	7940.4	5373.3	3448.8	2178.4	1310.2	791.1
-37.5°	21978.6	17628.1	14039.2	10496.5	7957.2	5599.9	3703.5	2414.6	1483.5	945.8	596.0
-40°	15049.7	11939.6	9652.4	7347.5	5422.4	3616.0	2495.2	1581.1	1038.0	645.5	447.1
-42.5°	10188.8	8230.7	6456.6	4844.6	3373.9	2404.8	1578.3	1044.0	665.5	467.8	379.0
-45°	6657.7	5292.7	3942.8	3014.6	2112.4	1480.8	944.2	648.0	455.8	373.5	329.4
-47.5°	4009.7	3188.0	2367.1	1764.2	1252.3	817.0	597.3	412.4	356.7	313.8	314.6
-50°	2229.2	1777.7	1322.5	929.1	710.6	505.5	390.6	323.9	293.3	291.0	273.7
-52.5°	1116.1	914.5	716.5	524.8	419.9	345.7	285.7	269.1	261.3	237.1	186.9
-55°	572.3	476.7	400.5	329.7	278.4	265.1	250.8	229.5	200.0	162.7	141.5
-57.5°	308.5	270.7	261.7	251.6	240.5	221.8	197.7	170.6	150.7	132.1	114.1
-60°	236.5	229.4	216.3	200.6	182.4	162.2	148.4	133.7	118.3	107.8	96.7
-62.5°	181.4	169.9	158.6	148.4	137.4	125.5	114.9	106.9	98.5	89.3	79.6
-65°	134.1	126.7	118.3	112.6	106.7	100.3	93.5	86.2	78.6	70.6	62.7
-67.5°	102.4	98.4	93.9	89.0	83.7	78.0	71.9	65.4	60.2	55.4	51.1
-70°	77.1	73.5	69.6	65.2	61.5	58.2	54.5	50.7	46.7	43.9	42.4
-72.5°	55.6	53.5	51.2	48.7	46.0	44.2	42.6	41.0	39.2	37.4	36.8
-75°	42.0	41.1	40.1	39.1	37.9	36.7	35.9	35.6	35.6	35.9	36.4
-77.5°	33.5	32.9	32.6	32.4	32.3	32.5	32.8	33.1	32.9	32.6	32.1
-80°	24.8	24.5	24.9	25.2	25.5	25.7	25.8	25.9	25.9	25.9	25.8
-82.5°	17.2	18.2	18.9	19.5	20.0	20.3	20.4	20.4	20.2	19.8	19.3
-85°	16.0	16.7	16.6	16.5	16.5	16.5	16.7	16.9	17.2	17.6	18.1
-87.5°	7.6	8.4	9.2	9.9	10.5	11.1	11.6	12.0	12.3	12.6	12.8
-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: P1306564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1L-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°	12.9	12.9	12.9	12.7	12.4	12.1	11.6	11.1	10.4	9.3	8.2
85°	22.0	22.2	22.5	22.9	23.5	24.2	23.3	22.1	20.8	18.6	16.3
82.5°	27.2	26.7	26.1	25.8	25.7	25.7	26.0	26.5	27.2	27.2	24.5
80°	28.0	28.4	28.6	28.4	27.9	27.2	26.9	26.9	27.2	27.2	27.2
77.5°	31.3	30.8	30.7	30.9	30.8	30.3	29.3	28.0	27.2	27.2	27.2
75°	36.3	35.2	34.2	33.6	33.3	33.4	32.7	31.5	29.7	27.5	27.2
72.5°	37.4	37.5	37.1	36.2	35.3	34.9	35.0	35.0	33.1	30.5	27.9
70°	40.5	39.5	39.3	38.7	37.6	36.2	35.8	36.0	36.3	33.5	30.5
67.5°	45.3	43.4	42.2	41.4	40.6	39.1	36.8	36.2	36.5	36.3	33.1
65°	51.1	48.1	45.1	43.8	43.0	42.4	40.3	37.3	36.9	36.9	35.6
62.5°	56.9	53.5	50.1	46.6	44.6	44.1	43.8	40.8	37.8	37.5	36.8
60°	62.6	58.9	55.2	51.4	47.4	45.0	44.8	44.2	40.7	38.2	37.6
57.5°	72.8	65.0	60.2	56.0	51.8	47.4	45.2	45.4	43.3	40.1	38.5
55°	83.5	75.3	66.7	60.6	56.0	51.4	46.6	45.7	45.4	42.1	39.4
52.5°	93.3	85.5	76.2	66.7	60.2	55.2	50.1	46.2	46.0	44.1	40.9
50°	132.5	96.1	86.1	75.3	65.0	58.9	53.6	48.9	46.7	45.5	42.4
47.5°	203.6	141.1	97.0	84.4	72.8	62.6	57.0	51.6	47.5	46.3	43.7
45°	250.3	216.9	134.6	95.4	80.4	68.8	60.6	54.1	49.6	47.3	44.9
42.5°	287.5	268.2	212.2	107.7	90.5	76.1	64.4	57.3	51.6	48.3	45.8
40°	311.9	302.8	280.0	184.1	101.5	83.6	70.8	60.8	53.3	49.5	46.8
37.5°	333.4	328.7	311.9	263.0	127.7	94.0	77.5	64.3	55.3	50.9	47.8
35°	413.9	347.4	343.2	310.1	194.3	104.4	84.1	68.7	58.3	52.1	48.8
32.5°	501.0	384.9	360.1	328.0	255.8	114.5	92.2	74.5	61.4	53.1	49.9
30°	625.1	466.1	367.6	344.1	300.1	163.3	101.0	80.2	64.4	53.9	50.9
27.5°	764.2	541.3	389.4	353.6	313.4	211.0	109.5	85.7	67.4	55.3	51.7
25°	910.2	648.6	454.6	362.6	325.1	254.0	117.7	91.0	71.3	57.7	52.3
22.5°	1087.8	769.2	518.0	373.1	335.0	291.5	139.3	97.8	75.6	59.9	52.9
20°	1280.5	890.1	579.0	392.5	343.3	299.7	171.2	104.2	79.6	62.0	53.3
17.5°	1498.0	1030.4	670.8	441.9	351.8	306.4	198.8	110.1	83.4	64.0	53.7
15°	1795.9	1193.8	765.5	487.7	360.5	311.8	222.4	115.5	86.9	65.9	53.9
12.5°	2108.4	1356.5	854.5	529.3	369.1	315.8	241.8	120.5	90.0	67.5	54.1
10°	2425.1	1514.2	936.1	566.0	377.3	318.4	257.2	124.8	92.8	69.0	54.3
7.5°	2734.6	1662.2	1008.5	597.4	384.8	319.9	268.7	128.6	95.2	70.3	54.3
5°	3024.4	1795.2	1069.8	622.7	391.2	320.1	276.5	131.8	97.2	71.3	54.4
2.5°	3281.3	1908.0	1118.2	641.4	396.1	319.3	280.6	134.2	98.7	72.1	54.4
0°	3491.8	1995.3	1151.8	653.0	399.1	317.4	281.2	136.0	99.8	72.6	54.4
-2.5°	3523.8	1996.5	1145.0	647.7	398.7	321.1	286.8	136.6	100.0	72.8	54.7
-5°	3490.5	1965.2	1121.1	635.0	396.3	324.1	288.7	136.4	99.6	72.7	55.0
-7.5°	3387.2	1899.9	1080.2	614.9	392.2	326.8	286.4	135.4	98.8	72.4	55.3
-10°	3209.7	1799.5	1022.0	587.8	386.9	329.5	279.6	133.6	97.5	71.7	55.5
-12.5°	2954.5	1663.2	946.6	554.0	380.6	332.5	267.8	130.9	95.7	70.8	55.7
-15°	2619.2	1490.2	854.1	513.7	373.7	335.9	250.7	127.4	93.5	69.6	55.8
-17.5°	2201.9	1280.4	744.8	467.4	366.3	340.1	228.1	123.0	90.7	68.1	55.9
-20°	1906.2	1093.1	631.1	415.4	358.8	345.2	199.7	117.8	87.5	66.3	55.8



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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°	1608.4	940.7	567.1	396.0	356.3	351.5	165.2	111.6	83.9	64.3	55.7
-25°	1270.8	771.1	497.8	386.0	362.1	311.7	141.7	104.6	79.8	62.0	55.4
-27.5°	1032.4	614.2	423.7	376.9	369.8	263.5	133.2	99.4	75.8	59.4	55.0
-30°	834.9	529.4	399.1	373.4	379.6	207.8	123.7	93.8	72.6	58.1	54.5
-32.5°	633.8	440.1	390.4	385.0	335.4	148.9	113.2	87.8	69.1	57.6	53.3
-35°	525.0	397.3	376.7	399.3	260.0	136.5	103.5	81.4	65.4	56.8	51.7
-37.5°	408.8	375.1	379.2	360.8	176.0	122.9	95.8	76.0	61.4	55.9	50.0
-40°	377.9	359.0	379.1	257.4	141.4	108.3	87.8	71.2	59.3	54.8	48.3
-42.5°	343.4	355.6	300.6	156.9	124.3	98.9	79.7	66.2	57.9	53.0	46.4
-45°	335.0	313.1	198.0	136.3	107.7	89.2	73.9	61.4	56.2	50.7	44.9
-47.5°	301.6	212.0	144.0	116.2	96.6	79.9	67.8	59.3	54.3	48.4	43.7
-50°	205.8	147.5	121.7	101.7	85.2	72.8	62.4	56.8	51.6	46.0	42.4
-52.5°	146.7	123.0	104.2	89.0	76.1	65.2	59.2	54.1	48.8	44.1	40.9
-55°	120.1	104.2	90.3	77.9	67.1	60.1	55.5	50.9	46.0	42.1	39.4
-57.5°	101.7	89.0	77.7	67.3	60.2	55.5	51.6	47.6	43.3	40.1	38.5
-60°	85.5	75.3	65.5	59.3	54.5	50.9	47.7	44.2	40.7	38.2	37.6
-62.5°	70.2	62.1	57.0	52.5	49.3	46.5	43.8	40.8	37.8	37.5	36.8
-65°	57.7	53.0	49.1	46.9	44.6	42.4	40.3	37.3	36.9	36.9	35.6
-67.5°	47.2	45.5	43.7	41.8	40.6	39.1	36.8	36.2	36.5	36.3	33.1
-70°	41.1	39.7	39.3	38.7	37.6	36.2	35.8	36.0	36.3	33.5	30.5
-72.5°	37.4	37.5	37.1	36.2	35.3	34.9	35.0	35.0	33.1	30.5	27.9
-75°	36.3	35.2	34.2	33.6	33.3	33.4	32.3	31.2	29.7	27.5	27.2
-77.5°	31.3	30.8	30.7	30.2	29.5	28.8	28.1	27.3	27.2	27.2	27.2
-80°	25.6	25.4	25.2	24.9	24.6	24.3	25.3	26.3	27.2	27.2	27.2
-82.5°	19.4	20.2	21.2	22.2	23.2	24.3	25.3	26.3	27.2	27.2	24.5
-85°	19.2	20.2	21.2	22.2	23.2	24.2	23.3	22.1	20.8	18.6	16.3
-87.5°	12.9	12.9	12.9	12.7	12.4	12.1	11.6	11.1	10.4	9.3	8.2
-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°	7.0	5.9	4.7	3.5	2.4	1.2	0.0
85°	14.1	11.8	9.4	7.1	4.7	2.4	0.0
82.5°	21.1	17.6	14.1	10.6	7.1	3.5	0.0
80°	27.2	23.4	18.8	14.1	9.4	4.7	0.0
77.5°	27.2	27.2	23.4	17.6	11.8	5.9	0.0
75°	27.2	27.2	27.2	21.1	14.1	7.0	0.0
72.5°	27.2	27.2	27.2	24.5	16.3	8.2	0.0
70°	27.5	27.2	27.2	27.2	18.6	9.3	0.0
67.5°	29.7	27.2	27.2	27.2	20.8	10.4	0.0
65°	31.9	28.1	27.2	27.2	23.0	11.5	0.0
62.5°	34.0	29.9	27.2	27.2	25.1	12.6	0.0
60°	36.1	31.6	27.2	27.2	27.2	13.6	0.0
57.5°	37.1	33.3	28.5	27.2	27.2	14.6	0.0
55°	38.0	35.0	29.8	27.2	27.2	15.6	0.0
52.5°	38.9	36.4	31.1	27.2	27.2	16.6	0.0
50°	39.9	37.3	32.3	27.2	27.2	17.5	0.0
47.5°	41.0	38.2	33.5	27.4	27.2	18.4	0.0
45°	41.9	39.1	34.7	28.3	27.2	19.2	0.0
42.5°	42.8	40.1	35.8	29.1	27.2	20.1	0.0
40°	43.6	41.0	36.7	29.9	27.2	20.8	0.0
37.5°	44.3	42.0	37.4	30.6	27.2	21.6	0.0
35°	44.9	42.6	38.1	31.3	27.2	22.3	0.0
32.5°	45.6	43.1	38.8	32.0	27.2	22.9	0.0
30°	46.4	43.6	39.5	32.6	27.2	23.6	0.0
27.5°	47.2	44.0	40.2	33.2	27.2	24.1	0.0
25°	48.1	44.3	40.8	33.7	27.2	24.7	0.0
22.5°	48.9	44.6	41.5	34.2	27.2	25.1	0.0
20°	49.7	44.8	42.1	34.6	27.2	25.6	0.0
17.5°	50.5	44.9	42.6	35.0	27.2	25.9	0.0
15°	51.2	45.1	43.2	35.4	27.2	26.3	0.0
12.5°	51.9	45.2	43.6	35.6	27.2	26.6	0.0
10°	52.6	45.2	44.1	35.9	27.2	26.8	0.0
7.5°	53.2	45.3	44.5	36.1	27.2	27.0	0.0
5°	53.7	45.3	44.8	36.2	27.2	27.1	0.0
2.5°	54.1	45.3	45.1	36.3	27.2	27.2	0.0
0°	54.4	45.3	45.3	36.3	27.2	27.2	0.0
-2.5°	54.3	45.3	45.1	36.3	27.2	27.2	0.0
-5°	54.2	45.3	44.8	36.2	27.2	27.1	0.0
-7.5°	53.9	45.3	44.5	36.1	27.2	27.0	0.0
-10°	53.6	45.2	44.1	35.9	27.2	26.8	0.0
-12.5°	53.1	45.2	43.6	35.6	27.2	26.6	0.0
-15°	52.5	45.1	43.2	35.4	27.2	26.3	0.0
-17.5°	51.8	44.9	42.6	35.0	27.2	25.9	0.0
-20°	51.0	44.8	42.1	34.6	27.2	25.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.2	44.6	41.5	34.2	27.2	25.1	0.0
-25°	49.2	44.3	40.8	33.7	27.2	24.7	0.0
-27.5°	48.1	44.0	40.2	33.2	27.2	24.1	0.0
-30°	46.9	43.6	39.5	32.6	27.2	23.6	0.0
-32.5°	45.7	43.1	38.8	32.0	27.2	22.9	0.0
-35°	44.9	42.6	38.1	31.3	27.2	22.3	0.0
-37.5°	44.3	42.0	37.4	30.6	27.2	21.6	0.0
-40°	43.6	41.0	36.7	29.9	27.2	20.8	0.0
-42.5°	42.8	40.1	35.8	29.1	27.2	20.1	0.0
-45°	41.9	39.1	34.7	28.3	27.2	19.2	0.0
-47.5°	41.0	38.2	33.5	27.4	27.2	18.4	0.0
-50°	39.9	37.3	32.3	27.2	27.2	17.5	0.0
-52.5°	38.9	36.4	31.1	27.2	27.2	16.6	0.0
-55°	38.0	35.0	29.8	27.2	27.2	15.6	0.0
-57.5°	37.1	33.3	28.5	27.2	27.2	14.6	0.0
-60°	36.1	31.6	27.2	27.2	27.2	13.6	0.0
-62.5°	34.0	29.9	27.2	27.2	25.1	12.6	0.0
-65°	31.9	28.1	27.2	27.2	23.0	11.5	0.0
-67.5°	29.7	27.2	27.2	27.2	20.8	10.4	0.0
-70°	27.5	27.2	27.2	27.2	18.6	9.3	0.0
-72.5°	27.2	27.2	27.2	24.5	16.3	8.2	0.0
-75°	27.2	27.2	27.2	21.1	14.1	7.0	0.0
-77.5°	27.2	27.2	23.4	17.6	11.8	5.9	0.0
-80°	27.2	23.4	18.8	14.1	9.4	4.7	0.0
-82.5°	21.1	17.6	14.1	10.6	7.1	3.5	0.0
-85°	14.1	11.8	9.4	7.1	4.7	2.4	0.0
-87.5°	7.0	5.9	4.7	3.5	2.4	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)