

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: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/3/2026

Test Information

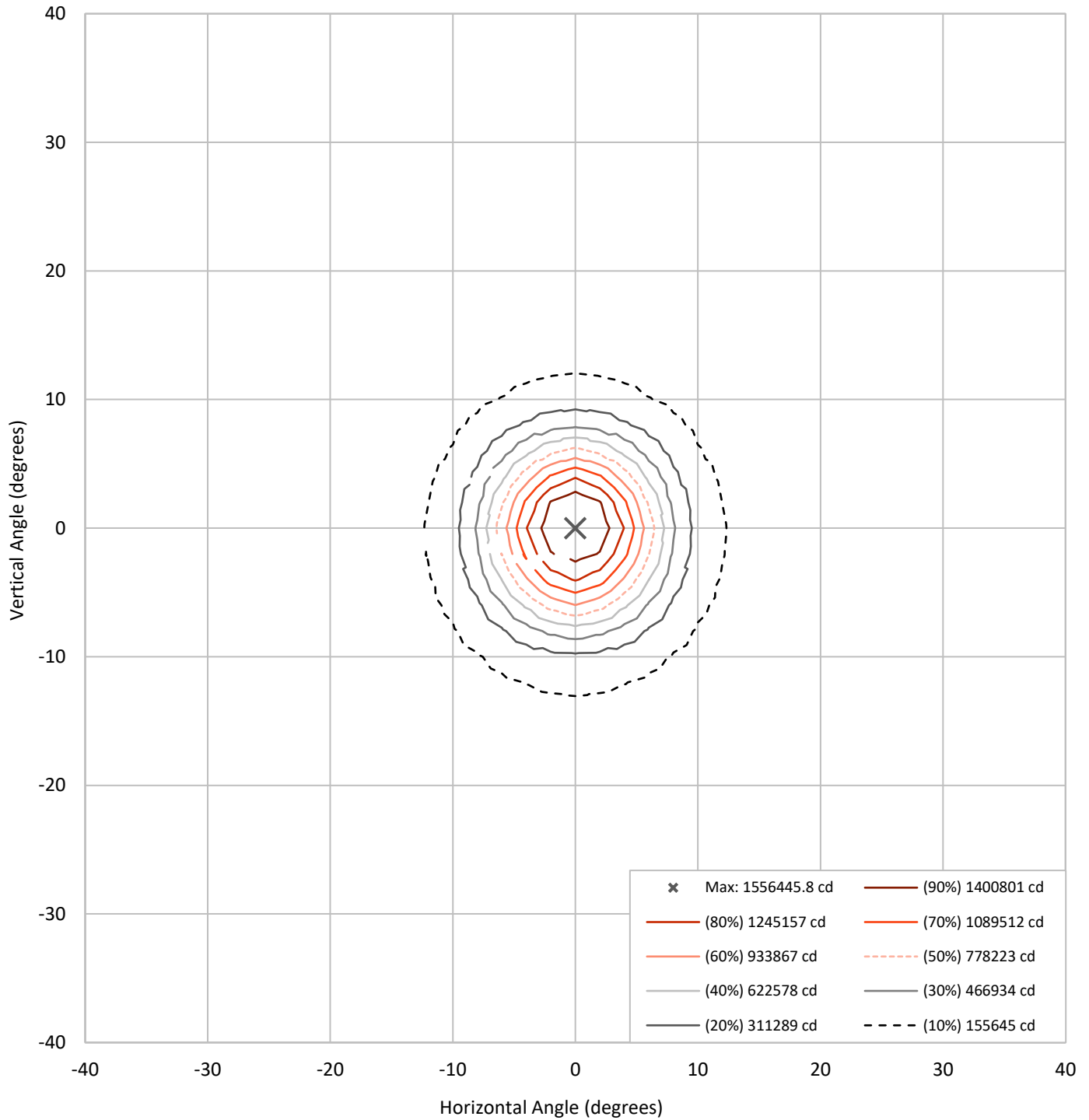
Test Method: LM-79-08
Report Number: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-52)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-57-70-1L-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 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:	161634 lumens	Max Intensity:	1556445.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.3 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:	40064.9 lumens	Field Lumens:	80483.9 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





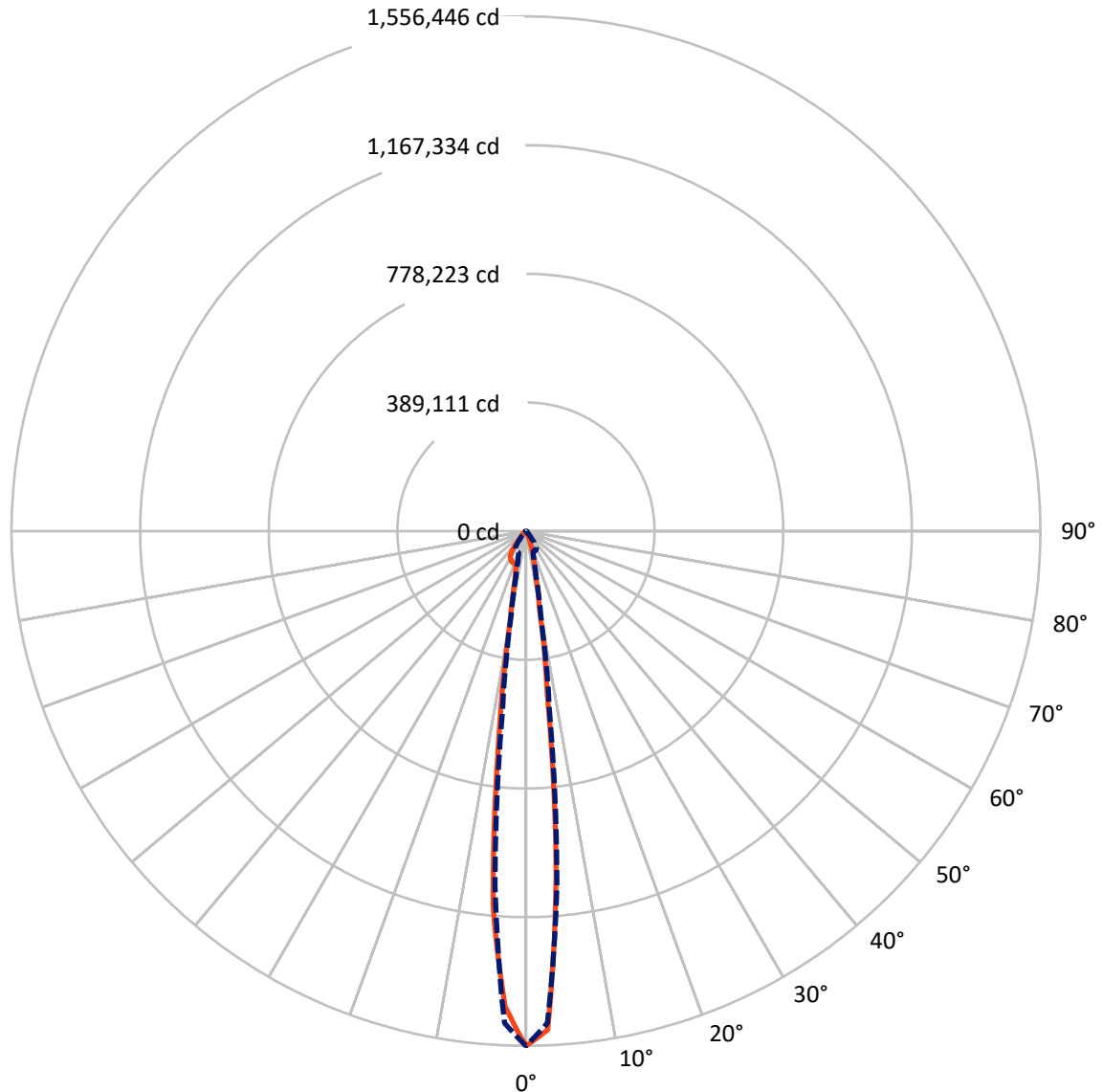
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Lumen Table

90	0.4	1.6		2.7		3.5		3.7		3.5		2.7		1.6		0.4			
80	0.4	1.6		2.7		3.5		3.7		3.5		2.7		1.6		0.4			
70	0.7	0.5	0.8	1.2	1.8	2.5	3.0	3.4	3.4	3.0	2.5	1.8	1.2	0.8	0.5	0.7			
60		0.6	1.2	2.3	4.0	6.2	10.0	15.6	15.6	10.0	6.2	4.0	2.3	1.2	0.6				
50	0.9	0.8	2.3	5.9	10.4	19.1	29.0	41.4	41.4	29.0	19.1	10.4	5.9	2.3	0.8	0.9			
40		1.0	5.0	12.9	26.2	37.1	56.6	66.4	66.4	56.6	37.1	26.2	12.9	5.0	1.0				
30	1.0	1.6	7.5	28.6	101.4	277.9	465.3	548.0	548.0	465.3	277.9	101.4	28.6	7.5	1.6	1.0			
20		2.2	11.2	65.6	439.1	1081.3	1580.7	2693.7	2693.7	1580.7	1081.3	439.1	65.6	11.2	2.2				
10	1.1	2.5	14.8	126.2	909.3	1646.5	2861.6	18323.5	18323.5	2861.6	1646.5	909.3	126.2	14.8	2.5	1.1			
0		2.6	15.6	156.1	1157.8	1950.4	3122.1	19434.8	19434.8	3122.1	1950.4	1157.8	156.1	15.6	2.6				
-10	1.0	2.4	12.5	122.8	999.9	2228.6	2649.8	3733.2	3733.2	2649.8	2228.6	999.9	122.8	12.5	2.4	1.0			
-20		1.8	8.4	64.4	506.7	1866.3	2719.9	2998.5	2998.5	2719.9	1866.3	506.7	64.4	8.4	1.8				
-30	0.9	1.2	6.0	24.0	164.8	674.3	1493.8	2019.5	2019.5	1493.8	674.3	164.8	24.0	6.0	1.2	0.9			
-40		0.9	3.1	8.5	33.9	137.6	317.4	455.8	455.8	317.4	137.6	33.9	8.5	3.1	0.9				
-50	0.7	0.7	1.5	3.6	6.9	16.1	36.9	54.7	54.7	36.9	16.1	6.9	3.6	1.5	0.7	0.7			
-60		0.5	0.9	1.5	2.5	3.7	4.8	5.3	5.3	4.8	3.7	2.5	1.5	0.9	0.5				
-70	0.4	0.4	1.6		2.6		3.5		3.8		3.5		2.6		1.6		0.4		
-80		0.4	1.6		2.6		3.5		3.8		3.5		2.6		1.6				
-90	0.4	1.6		2.6		3.5		3.8		3.5		2.6		1.6		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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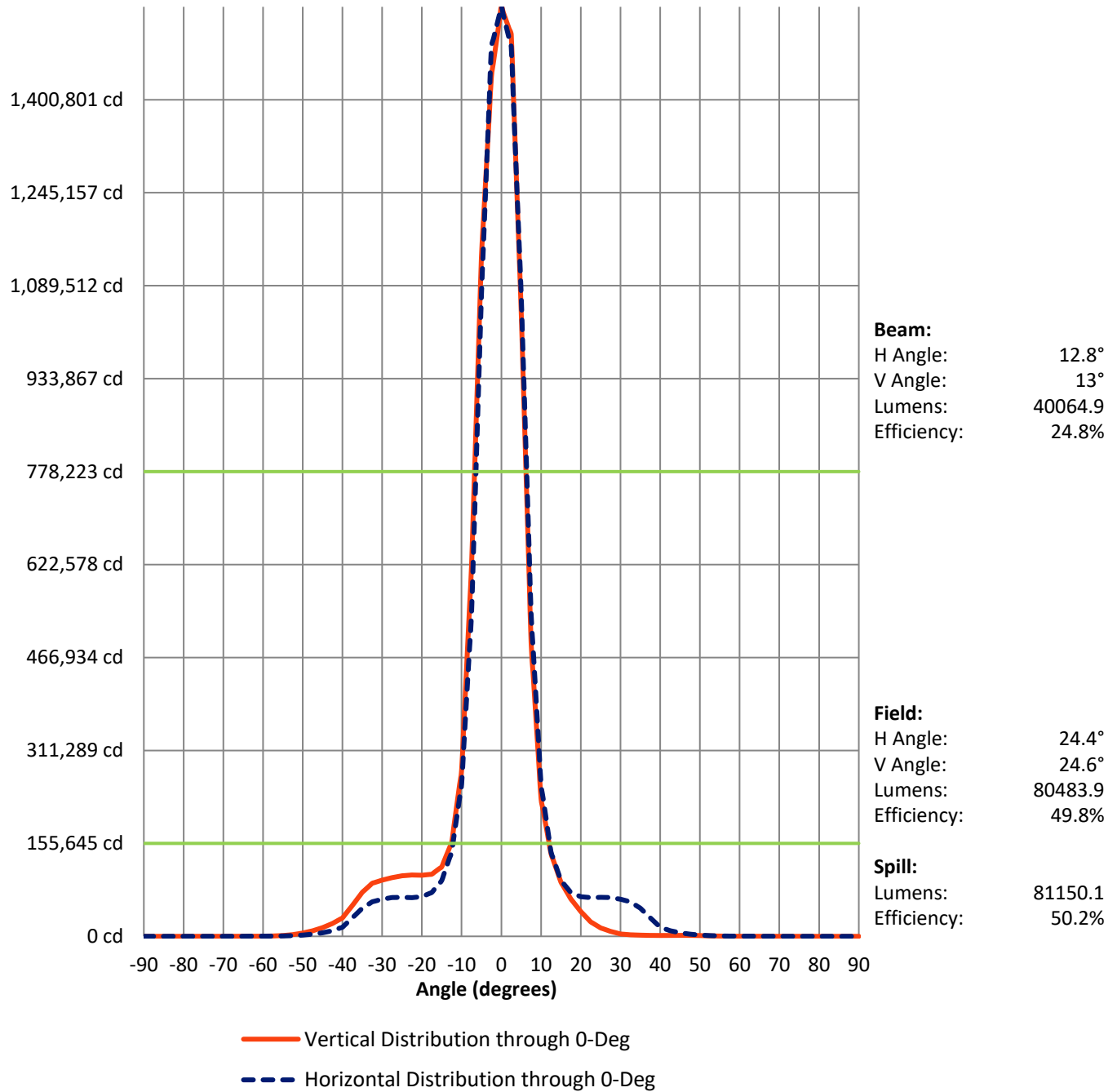
Luminous Intensity Polar Plot



— 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	1.3	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	11.7
85°	0.0	2.5	5.0	7.5	10.0	12.4	14.8	17.2	19.6	21.9	23.4
82.5°	0.0	3.7	7.5	11.2	14.9	18.6	22.2	25.8	28.7	28.7	28.0
80°	0.0	5.0	10.0	14.9	19.8	24.7	28.7	28.7	28.7	28.7	28.4
77.5°	0.0	6.2	12.4	18.6	24.7	28.7	28.7	28.7	28.7	28.7	29.6
75°	0.0	7.4	14.8	22.2	28.7	28.7	28.7	28.7	29.0	31.3	33.2
72.5°	0.0	8.6	17.2	25.8	28.7	28.7	28.7	29.4	32.2	34.9	37.0
70°	0.0	9.8	19.6	28.7	28.7	28.7	29.0	32.2	35.3	38.3	38.0
67.5°	0.0	11.0	21.9	28.7	28.7	28.7	31.3	34.9	38.3	38.5	38.2
65°	0.0	12.1	24.2	28.7	28.7	29.7	33.6	37.5	38.9	38.9	39.4
62.5°	0.0	13.2	26.5	28.7	28.7	31.5	35.9	38.9	39.5	39.9	43.1
60°	0.0	14.3	28.7	28.7	28.7	33.4	38.1	39.7	40.3	42.9	46.7
57.5°	0.0	15.4	28.7	28.7	30.1	35.1	39.1	40.6	42.3	45.7	47.9
55°	0.0	16.5	28.7	28.7	31.5	36.9	40.1	41.6	44.5	47.9	48.2
52.5°	0.0	17.5	28.7	28.7	32.8	38.5	41.1	43.2	46.5	48.5	48.7
50°	0.0	18.4	28.7	28.7	34.1	39.4	42.1	44.7	48.0	49.3	51.6
47.5°	0.0	19.4	28.7	28.9	35.4	40.3	43.2	46.1	48.9	50.1	54.5
45°	0.0	20.3	28.7	29.8	36.6	41.3	44.3	47.3	49.9	52.4	57.1
42.5°	0.0	21.2	28.7	30.7	37.7	42.3	45.2	48.4	50.9	54.4	60.4
40°	0.0	22.0	28.7	31.5	38.7	43.3	46.0	49.3	52.2	56.2	64.1
37.5°	0.0	22.8	28.7	32.3	39.5	44.3	46.8	50.4	53.7	58.3	67.7
35°	0.0	23.5	28.7	33.1	40.2	45.0	47.4	51.5	54.9	61.5	72.4
32.5°	0.0	24.2	28.7	33.8	41.0	45.5	48.1	52.6	56.0	64.7	78.5
30°	0.0	24.9	28.7	34.4	41.7	46.0	48.9	53.7	56.9	67.9	84.5
27.5°	0.0	25.5	28.7	35.0	42.4	46.4	49.8	54.5	58.4	71.0	90.3
25°	0.0	26.0	28.7	35.6	43.1	46.7	50.7	55.2	60.8	75.1	96.0
22.5°	0.0	26.5	28.7	36.1	43.8	47.0	51.6	55.8	63.2	79.7	103.2
20°	0.0	27.0	28.7	36.6	44.4	47.2	52.4	56.3	65.4	83.9	109.9
17.5°	0.0	27.4	28.7	37.0	45.0	47.4	53.3	56.6	67.5	87.9	116.1
15°	0.0	27.7	28.7	37.3	45.5	47.6	54.1	56.9	69.4	91.6	121.8
12.5°	0.0	28.0	28.7	37.6	46.1	47.7	54.8	57.1	71.2	94.9	127.0
10°	0.0	28.3	28.7	37.9	46.5	47.7	55.5	57.3	72.7	97.8	131.6
7.5°	0.0	28.5	28.7	38.1	46.9	47.8	56.1	57.3	74.1	100.3	135.6
5°	0.0	28.6	28.7	38.2	47.3	47.8	56.6	57.4	75.1	102.4	138.9
2.5°	0.0	28.7	28.7	38.3	47.6	47.8	57.1	57.4	76.0	104.1	141.5
0°	0.0	28.7	28.7	38.3	47.8	47.8	57.4	57.4	76.5	105.2	143.4
-2.5°	0.0	28.7	28.7	38.3	47.6	47.8	57.3	57.7	76.7	105.4	144.0
-5°	0.0	28.6	28.7	38.2	47.3	47.8	57.2	58.0	76.7	105.0	143.8
-7.5°	0.0	28.5	28.7	38.1	46.9	47.8	56.9	58.3	76.3	104.2	142.7
-10°	0.0	28.3	28.7	37.9	46.5	47.7	56.5	58.6	75.6	102.8	140.8
-12.5°	0.0	28.0	28.7	37.6	46.1	47.7	56.0	58.8	74.6	100.9	138.0
-15°	0.0	27.7	28.7	37.3	45.5	47.6	55.4	58.9	73.4	98.6	134.3
-17.5°	0.0	27.4	28.7	37.0	45.0	47.4	54.7	58.9	71.8	95.7	129.7
-20°	0.0	27.0	28.7	36.6	44.4	47.2	53.9	58.9	69.9	92.3	124.2



REPORT NUMBER: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	26.5	28.7	36.1	43.8	47.0	52.9	58.7	67.8	88.4	117.7
-25°	0.0	26.0	28.7	35.6	43.1	46.7	51.9	58.4	65.4	84.1	110.3
-27.5°	0.0	25.5	28.7	35.0	42.4	46.4	50.8	58.1	62.7	79.9	104.8
-30°	0.0	24.9	28.7	34.4	41.7	46.0	49.5	57.5	61.3	76.5	99.0
-32.5°	0.0	24.2	28.7	33.8	41.0	45.5	48.2	56.2	60.7	72.9	92.6
-35°	0.0	23.5	28.7	33.1	40.2	45.0	47.4	54.6	59.9	68.9	85.8
-37.5°	0.0	22.8	28.7	32.3	39.5	44.3	46.8	52.8	59.0	64.7	80.1
-40°	0.0	22.0	28.7	31.5	38.7	43.3	46.0	50.9	57.8	62.6	75.1
-42.5°	0.0	21.2	28.7	30.7	37.7	42.3	45.2	49.0	55.9	61.1	69.8
-45°	0.0	20.3	28.7	29.8	36.6	41.3	44.3	47.3	53.5	59.3	64.8
-47.5°	0.0	19.4	28.7	28.9	35.4	40.3	43.2	46.1	51.1	57.3	62.5
-50°	0.0	18.4	28.7	28.7	34.1	39.4	42.1	44.7	48.6	54.5	59.9
-52.5°	0.0	17.5	28.7	28.7	32.8	38.5	41.1	43.2	46.5	51.5	57.0
-55°	0.0	16.5	28.7	28.7	31.5	36.9	40.1	41.6	44.5	48.5	53.7
-57.5°	0.0	15.4	28.7	28.7	30.1	35.1	39.1	40.6	42.3	45.7	50.2
-60°	0.0	14.3	28.7	28.7	28.7	33.4	38.1	39.7	40.3	42.9	46.7
-62.5°	0.0	13.2	26.5	28.7	28.7	31.5	35.9	38.9	39.5	39.9	43.1
-65°	0.0	12.1	24.2	28.7	28.7	29.7	33.6	37.5	38.9	38.9	39.4
-67.5°	0.0	11.0	21.9	28.7	28.7	28.7	31.3	34.9	38.3	38.5	38.2
-70°	0.0	9.8	19.6	28.7	28.7	28.7	29.0	32.2	35.3	38.3	38.0
-72.5°	0.0	8.6	17.2	25.8	28.7	28.7	28.7	29.4	32.2	34.9	36.9
-75°	0.0	7.4	14.8	22.2	28.7	28.7	28.7	28.7	29.0	31.3	32.9
-77.5°	0.0	6.2	12.4	18.6	24.7	28.7	28.7	28.7	28.7	28.7	28.8
-80°	0.0	5.0	10.0	14.9	19.8	24.7	28.7	28.7	28.7	28.7	27.8
-82.5°	0.0	3.7	7.5	11.2	14.9	18.6	22.2	25.8	28.7	28.7	27.7
-85°	0.0	2.5	5.0	7.5	10.0	12.4	14.8	17.2	19.6	21.9	23.4
-87.5°	0.0	1.3	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	11.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-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°	12.3	12.8	13.1	13.4	13.6	13.7	13.6	13.5	14.1	14.6	15.2
85°	24.5	25.5	24.8	24.2	23.7	23.4	23.2	23.1	23.2	23.1	22.9
82.5°	27.4	27.1	27.1	27.2	27.6	28.1	28.7	28.7	27.7	26.7	25.6
80°	28.4	28.7	29.5	30.0	30.1	30.0	29.6	28.9	27.8	27.3	27.3
77.5°	31.0	31.9	32.5	32.6	32.4	32.5	33.1	33.8	34.4	34.7	35.0
75°	34.5	35.3	35.2	35.4	36.1	37.1	38.3	38.4	37.9	37.6	37.6
72.5°	37.0	36.8	37.2	38.2	39.1	39.5	39.4	38.8	39.5	41.4	43.2
70°	37.7	38.1	39.7	40.9	41.4	41.7	42.7	44.3	46.3	48.5	50.7
67.5°	38.9	41.2	42.9	43.7	44.5	45.8	47.7	50.5	53.1	55.7	58.2
65°	42.5	44.8	45.4	46.2	47.6	50.7	53.9	57.0	59.9	63.2	67.0
62.5°	46.2	46.5	47.1	49.2	52.9	56.5	60.0	63.3	66.5	72.9	79.1
60°	47.3	47.4	50.0	54.2	58.2	62.1	65.9	72.3	79.4	86.2	89.9
57.5°	47.7	50.0	54.6	59.1	63.4	68.5	76.8	84.8	90.0	93.0	101.7
55°	49.2	54.2	59.1	63.9	70.3	79.5	88.1	94.3	98.9	122.5	141.9
52.5°	52.9	58.2	63.4	70.3	80.4	90.2	98.4	120.9	154.9	171.4	183.2
50°	56.5	62.1	68.5	79.5	90.8	101.3	139.7	187.9	208.0	217.7	223.4
47.5°	60.1	65.9	76.8	89.0	102.3	148.8	214.7	238.9	252.1	257.2	263.4
45°	63.9	72.5	84.8	100.6	142.0	228.8	263.9	280.7	285.3	302.0	346.3
42.5°	67.8	80.3	95.5	113.6	223.8	282.7	303.1	308.8	333.0	392.1	451.0
40°	74.6	88.2	107.1	194.1	295.3	319.2	328.8	349.3	425.6	509.8	582.3
37.5°	81.7	99.2	134.8	277.3	328.9	346.6	351.5	441.8	546.9	652.6	755.4
35°	88.7	110.1	204.9	327.0	361.8	366.3	436.4	552.2	695.4	835.8	959.6
32.5°	97.2	120.8	269.7	345.9	379.7	405.8	528.3	700.5	875.3	1042.2	1210.6
30°	106.5	172.3	316.4	362.7	387.6	491.4	659.2	862.3	1073.3	1301.9	1495.4
27.5°	115.5	222.5	330.5	372.8	410.6	570.8	805.8	1052.4	1317.2	1588.7	1825.2
25°	124.2	267.8	342.7	382.3	479.3	683.9	959.7	1248.4	1587.1	1925.9	2319.7
22.5°	146.9	307.3	353.2	393.4	546.1	811.1	1147.0	1521.9	1888.7	2302.9	2922.8
20°	180.5	315.9	362.0	413.8	610.4	938.5	1350.1	1859.4	2376.1	2921.7	4148.9
17.5°	209.7	323.1	370.9	465.9	707.3	1086.4	1579.5	2243.8	2971.1	3910.5	5960.7
15°	234.4	328.7	380.1	514.2	807.1	1258.7	1893.5	2740.0	3763.3	5247.1	8221.5
12.5°	254.9	332.9	389.2	558.0	900.9	1430.3	2223.0	3289.8	4717.3	7107.3	12763.2
10°	271.1	335.8	397.9	596.8	987.0	1596.6	2557.0	3864.5	5723.3	8969.5	17204.7
7.5°	283.3	337.3	405.8	629.8	1063.3	1752.6	2883.3	4442.2	6743.9	10780.9	21408.8
5°	291.4	337.5	412.5	656.6	1128.0	1892.8	3188.8	4999.1	7736.8	12482.3	25222.0
2.5°	295.7	336.7	417.6	676.3	1179.0	2011.8	3459.6	5509.7	8657.0	14010.5	28479.4
0°	296.4	334.7	420.8	688.5	1214.4	2103.8	3681.6	5947.9	9457.4	15300.1	31011.5
-2.5°	302.3	338.6	420.3	683.0	1207.2	2105.0	3715.3	6054.8	9771.5	15995.0	32063.0
-5°	304.3	341.8	417.8	669.5	1182.1	2072.0	3680.3	6051.1	9884.1	16317.0	32117.1
-7.5°	301.9	344.6	413.6	648.3	1138.9	2003.2	3571.3	5926.4	9763.3	16202.8	31084.2
-10°	294.7	347.5	408.0	619.7	1077.6	1897.4	3384.2	5671.3	9381.0	15597.0	28893.2
-12.5°	282.3	350.5	401.4	584.1	998.1	1753.6	3115.2	5278.5	8713.4	14454.2	25494.0
-15°	264.3	354.1	394.0	541.7	900.6	1571.2	2761.6	4742.1	7742.1	12739.9	20858.3
-17.5°	240.5	358.5	386.3	492.9	785.3	1350.0	2321.6	4093.2	6729.0	11205.2	18524.6
-20°	210.5	363.9	378.4	438.0	665.4	1152.5	2009.8	3552.9	5881.4	9596.3	15785.1



REPORT NUMBER: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	174.2	370.6	375.7	417.6	597.9	991.8	1695.9	2914.9	4878.8	7816.4	12969.9
-25°	149.4	328.6	381.8	407.0	524.9	813.1	1339.9	2254.7	4074.1	6707.0	10749.2
-27.5°	140.5	277.8	389.9	397.4	446.7	647.5	1088.5	1897.1	3277.4	5403.2	8380.0
-30°	130.5	219.1	400.2	393.7	420.8	558.2	880.2	1462.8	2461.1	4267.5	6750.4
-32.5°	119.4	157.0	353.6	405.9	411.6	464.0	668.2	1145.1	1923.0	3080.6	5091.4
-35°	109.1	143.9	274.1	421.0	397.1	419.0	553.5	834.1	1381.4	2296.9	3636.2
-37.5°	101.1	129.6	185.6	380.4	399.8	395.5	431.0	628.4	997.2	1564.2	2545.8
-40°	92.6	114.3	149.1	271.4	399.7	378.6	398.5	471.4	680.6	1094.4	1667.1
-42.5°	84.0	104.3	131.1	165.4	316.9	374.9	362.1	399.6	493.3	701.6	1100.7
-45°	77.9	94.1	113.6	143.7	208.7	330.1	353.3	347.4	393.8	480.6	683.2
-47.5°	71.5	84.3	102.0	122.5	151.9	223.5	318.0	331.7	330.9	376.1	434.8
-50°	65.7	76.8	89.9	107.3	128.4	155.5	217.0	288.5	306.8	309.3	341.5
-52.5°	62.4	68.7	80.3	93.9	109.9	129.8	154.6	197.0	250.0	275.5	283.8
-55°	58.5	63.3	70.7	82.1	95.2	109.9	126.6	149.2	171.5	210.8	242.0
-57.5°	54.4	58.5	63.5	71.0	81.9	93.8	107.3	120.3	139.3	158.8	179.8
-60°	50.3	53.7	57.5	62.5	69.0	79.3	90.2	102.0	113.6	124.7	140.9
-62.5°	46.2	49.1	52.0	55.3	60.1	65.4	74.0	83.9	94.1	103.8	112.7
-65°	42.5	44.8	47.0	49.5	51.8	55.9	60.8	66.1	74.4	82.9	90.9
-67.5°	38.9	41.2	42.9	44.1	46.1	48.0	49.8	53.8	58.4	63.4	68.9
-70°	37.7	38.1	39.7	40.9	41.4	41.9	43.4	44.7	46.3	49.2	53.5
-72.5°	37.0	36.8	37.2	38.2	39.1	39.5	39.4	38.8	39.5	41.4	43.2
-75°	34.1	35.2	35.2	35.4	36.1	37.1	38.3	38.4	37.9	37.6	37.6
-77.5°	29.6	30.4	31.1	31.8	32.4	32.5	33.1	33.8	34.4	34.7	35.0
-80°	26.7	25.7	26.0	26.3	26.6	26.8	27.0	27.2	27.3	27.3	27.3
-82.5°	26.7	25.6	24.5	23.5	22.4	21.3	20.5	20.3	20.9	21.3	21.6
-85°	24.5	25.5	24.5	23.4	22.3	21.3	20.2	19.1	18.6	18.1	17.8
-87.5°	12.3	12.8	13.1	13.4	13.6	13.7	13.6	13.5	13.3	13.0	12.6
-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: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-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°	15.6	16.1	16.5	16.9	17.3	17.6	16.0	14.2	12.3	10.4	8.4
85°	22.5	22.1	21.5	20.8	20.0	19.1	17.9	16.8	15.7	14.7	13.7
82.5°	24.5	23.5	22.4	21.3	20.2	19.2	18.9	18.8	18.8	18.8	18.9
80°	27.2	27.1	26.9	26.6	26.3	25.9	26.4	26.9	27.4	27.8	28.1
77.5°	34.6	34.3	34.1	34.2	34.4	34.7	35.4	36.0	36.6	37.1	37.6
75°	37.9	38.7	40.0	41.2	42.4	43.4	44.3	45.1	45.8	46.4	46.9
72.5°	45.0	46.6	48.2	49.6	50.9	52.1	53.2	54.2	55.0	55.8	56.3
70°	52.7	54.6	56.4	58.4	61.3	64.2	66.9	69.1	71.1	72.7	74.1
67.5°	61.4	64.8	68.6	72.5	76.0	78.7	80.6	81.9	83.0	83.9	84.7
65°	71.7	76.4	80.4	83.6	86.2	89.6	93.0	95.8	98.3	100.4	102.1
62.5°	84.3	88.4	92.4	96.7	101.2	107.3	113.4	118.1	122.3	125.8	128.7
60°	94.2	99.0	111.8	122.6	130.8	136.7	140.2	145.6	151.0	156.0	160.6
57.5°	120.4	135.8	148.0	157.3	163.6	167.2	170.6	180.4	193.0	205.9	218.5
55°	160.0	174.6	185.7	194.8	203.1	210.0	219.1	248.6	287.7	328.6	369.8
52.5°	201.0	214.2	226.1	241.7	273.6	303.9	332.2	379.7	452.4	526.9	601.1
50°	238.8	261.4	300.6	338.7	388.5	443.1	497.1	557.5	667.8	782.9	899.5
47.5°	302.0	346.6	403.6	466.3	534.9	615.3	695.1	770.6	882.9	1009.2	1134.6
45°	384.4	450.7	524.4	614.7	706.7	791.1	866.8	934.6	1015.5	1126.6	1233.2
42.5°	495.8	566.6	664.7	766.3	861.6	933.7	978.9	1017.0	1068.7	1168.9	1256.3
40°	647.6	690.3	806.2	904.5	965.0	1017.0	1056.7	1093.2	1133.4	1229.9	1305.5
37.5°	832.4	879.5	919.1	989.3	1040.9	1086.3	1167.3	1242.6	1291.5	1382.1	1464.6
35°	1062.4	1084.1	1013.4	1054.4	1139.9	1270.4	1423.1	1601.0	1640.2	1664.8	1785.1
32.5°	1315.2	1340.8	1259.2	1200.1	1365.7	1771.3	2044.7	2406.3	2406.1	2116.2	2324.6
30°	1627.6	1724.0	1885.0	1794.0	2120.8	2844.2	3524.9	4073.4	4091.8	3460.8	3681.2
27.5°	2104.4	2589.0	3151.1	4053.9	3801.6	4777.7	6405.1	7256.1	7809.4	7043.7	7499.2
25°	2922.8	3955.8	6539.5	7993.1	8265.1	8751.0	11267.7	12967.0	14709.9	15199.2	14752.2
22.5°	4421.8	7753.5	11197.2	13306.1	14840.4	16232.7	18397.3	22049.0	24196.2	25125.6	25019.9
20°	6925.3	12650.2	16985.3	20122.0	22731.6	25335.6	28778.4	32117.2	34538.0	35617.2	36633.0
17.5°	11680.6	18390.9	23587.4	27570.4	31266.7	35427.1	38912.3	41966.8	43863.3	46693.4	49813.5
15°	17031.4	24679.9	30596.4	35535.1	40225.0	44389.6	47491.5	49344.1	53315.7	58043.0	63703.0
12.5°	22573.2	31112.3	37614.5	43417.4	48717.7	51779.3	53317.6	55928.9	61148.3	68712.4	81189.1
10°	28152.5	37212.1	43843.1	49520.6	54620.0	57445.1	57997.2	60854.0	68210.7	82279.2	102470.3
7.5°	33604.4	43042.7	49333.3	54560.7	58208.0	59794.9	61355.6	65859.4	76432.9	95758.1	136881.0
5°	38729.8	48495.6	54151.2	58690.9	61051.3	61675.5	63445.4	69520.1	84287.4	114170.4	181981.6
2.5°	43309.6	53453.5	58390.0	62096.3	63344.1	63296.6	65094.6	72058.0	90314.8	132494.9	232519.6
0°	47114.9	57796.3	62166.4	65006.5	65331.6	64805.7	66412.2	73507.6	93579.5	141512.0	254651.8
-2.5°	49041.8	60544.1	65186.8	67933.4	68325.6	67835.0	69124.0	75717.0	94560.1	138474.5	240851.8
-5°	49802.9	62444.6	67900.3	70700.0	71338.1	70966.4	71780.6	77085.6	92546.0	125290.0	194728.8
-7.5°	49257.1	63399.7	70334.3	73382.1	74413.8	74239.0	74505.0	77775.9	88143.1	108591.4	151213.9
-10°	47291.5	63335.0	72518.5	76048.3	77588.9	77702.8	77771.4	79014.4	84557.6	97931.2	118288.0
-12.5°	43826.3	62203.0	74483.0	78738.5	80620.7	81468.4	81901.0	82800.3	85211.1	89791.5	102047.3
-15°	38919.6	58569.8	72755.7	79622.4	82787.6	84770.7	86085.2	86826.6	88148.2	90316.0	94174.4
-17.5°	32946.8	51622.8	68607.5	79937.4	84346.0	87177.1	89326.1	91118.4	91747.9	92878.7	94650.8
-20°	25965.5	43510.2	61926.5	75599.3	84098.3	88603.7	91655.7	93423.4	94719.2	95795.1	97620.7



REPORT NUMBER: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21188.9	34963.1	52004.7	69289.8	80756.3	87889.8	91984.4	93805.8	95587.1	97425.2	99406.4
-25°	16845.9	26009.8	41493.1	57673.7	73110.0	83599.7	89235.8	92488.5	94647.4	96925.2	98979.5
-27.5°	13274.9	20486.1	30438.5	45351.1	60300.1	73562.4	81903.6	88763.5	91679.0	94512.7	96182.0
-30°	9999.4	15202.9	22914.6	32739.7	45471.8	57389.9	69061.0	77897.5	84578.2	89772.0	91611.3
-32.5°	7776.5	11223.6	16335.1	23481.6	30839.2	41147.4	51200.1	61138.4	70249.5	77037.1	81277.2
-35°	5665.4	8372.1	11582.8	16159.3	21324.0	27527.7	34037.9	42537.3	50169.8	57281.4	63277.3
-37.5°	3904.8	5904.3	8389.8	11067.2	14802.5	18586.4	23173.4	27567.7	31246.4	37348.1	42454.3
-40°	2630.9	3812.6	5717.1	7746.9	10177.1	12588.7	15867.8	18847.0	21772.2	24609.9	26911.7
-42.5°	1664.1	2535.6	3557.4	5108.0	6807.6	8678.0	10742.7	12697.0	14835.8	16790.3	18420.4
-45°	995.5	1561.3	2227.2	3178.5	4157.2	5580.4	7019.6	8383.2	9859.4	11130.9	12225.3
-47.5°	629.8	861.4	1320.4	1860.1	2495.8	3361.3	4227.8	5142.0	6152.4	7013.7	7749.1
-50°	411.9	533.0	749.2	979.6	1394.4	1874.3	2350.5	2935.5	3523.8	4050.7	4509.6
-52.5°	301.3	364.6	442.7	553.4	755.5	964.3	1176.8	1522.4	1836.0	2112.3	2348.8
-55°	264.4	279.5	293.5	347.6	422.3	502.7	603.5	762.5	899.7	1020.8	1124.8
-57.5°	208.4	233.9	253.6	265.3	275.9	285.5	325.3	386.2	442.1	492.0	535.4
-60°	156.4	171.0	192.3	211.5	228.1	241.9	249.4	257.2	264.5	270.9	276.4
-62.5°	121.1	132.3	144.8	156.4	167.1	179.1	191.2	201.1	209.6	216.6	222.2
-65°	98.5	105.7	112.5	118.7	124.7	133.5	141.4	147.9	153.1	157.3	160.3
-67.5°	75.7	82.2	88.2	93.8	99.0	103.7	108.0	111.7	115.0	117.9	120.2
-70°	57.5	61.3	64.8	68.7	73.3	77.5	81.2	84.6	87.5	89.9	92.0
-72.5°	45.0	46.6	48.5	51.4	54.0	56.4	58.6	60.5	62.2	63.6	64.8
-75°	37.9	38.7	40.0	41.2	42.4	43.4	44.3	45.1	45.8	46.4	46.9
-77.5°	34.6	34.3	34.1	34.2	34.4	34.7	35.4	36.0	36.6	37.1	37.6
-80°	27.2	27.1	26.9	26.6	26.3	25.9	26.1	26.5	27.0	27.4	27.8
-82.5°	21.6	21.4	21.1	20.6	19.9	19.2	18.1	17.0	16.0	14.9	13.9
-85°	17.6	17.5	17.4	17.4	17.5	17.7	16.9	16.1	15.3	14.4	13.5
-87.5°	12.2	11.7	11.1	10.4	9.7	8.9	8.0	7.1	6.2	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: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-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	8.4	10.4	12.3	14.2
85°	12.7	11.7	10.6	9.6	10.6	11.7	12.7	13.7	14.7	15.7	16.8
82.5°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.9	18.8	18.8	18.8
80°	28.4	28.6	28.7	28.7	28.7	28.6	28.4	28.1	27.8	27.4	26.9
77.5°	37.9	38.1	38.3	38.3	38.3	38.1	37.9	37.6	37.1	36.6	36.0
75°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.4	45.8	45.1
72.5°	56.8	57.1	57.3	57.4	57.3	57.1	56.8	56.3	55.8	55.0	54.2
70°	75.1	75.9	76.3	76.5	76.3	75.9	75.1	74.1	72.7	71.1	69.1
67.5°	85.3	85.8	86.0	86.1	86.0	85.8	85.3	84.7	83.9	83.0	81.9
65°	103.5	104.4	105.0	105.2	105.0	104.4	103.5	102.1	100.4	98.3	95.8
62.5°	131.0	132.6	133.6	133.9	133.6	132.6	131.0	128.7	125.8	122.3	118.1
60°	164.5	167.9	170.4	172.1	170.4	167.9	164.5	160.6	156.0	151.0	145.6
57.5°	230.5	241.4	250.8	258.2	250.8	241.4	230.5	218.5	205.9	193.0	180.4
55°	409.8	447.1	479.9	506.8	479.9	447.1	409.8	369.8	328.6	287.7	248.6
52.5°	672.9	740.0	800.2	851.1	800.2	740.0	672.9	601.1	526.9	452.4	379.7
50°	1014.2	1123.4	1223.3	1310.1	1223.3	1123.4	1014.2	899.5	782.9	667.8	557.5
47.5°	1257.2	1374.9	1485.6	1587.4	1485.6	1374.9	1257.2	1134.6	1009.2	882.9	770.6
45°	1335.9	1435.1	1531.5	1625.6	1531.5	1435.1	1335.9	1233.2	1126.6	1015.5	934.6
42.5°	1333.7	1404.4	1471.8	1539.6	1471.8	1404.4	1333.7	1256.3	1168.9	1068.7	1017.0
40°	1362.4	1405.5	1440.3	1472.6	1440.3	1405.5	1362.4	1305.5	1229.9	1133.4	1093.2
37.5°	1523.6	1562.7	1585.7	1597.0	1585.7	1562.7	1523.6	1464.6	1382.1	1291.5	1242.6
35°	1879.9	1948.8	1991.5	2008.1	1991.5	1948.8	1879.9	1785.1	1664.8	1640.2	1601.0
32.5°	2473.8	2566.7	2607.3	2601.0	2607.3	2566.7	2473.8	2324.6	2116.2	2406.1	2406.3
30°	4097.9	4257.8	4203.8	3987.6	4203.8	4257.8	4097.9	3681.2	3460.8	4091.8	4073.4
27.5°	8749.4	9226.6	9039.9	8329.0	9039.9	9226.6	8749.4	7499.2	7043.7	7809.4	7256.1
25°	16103.0	16381.5	15658.3	14143.1	15658.3	16381.5	16103.0	14752.2	15199.2	14709.9	12967.0
22.5°	25889.1	26569.9	26008.8	24269.9	26008.8	26569.9	25889.1	25019.9	25125.6	24196.2	22049.0
20°	38556.7	41041.4	42189.5	41616.4	42189.5	41041.4	38556.7	36633.0	35617.2	34538.0	32117.2
17.5°	53647.6	58209.3	61558.5	62692.4	61558.5	58209.3	53647.6	49813.5	46693.4	43863.3	41966.8
15°	71668.7	80117.1	87304.2	90978.5	87304.2	80117.1	71668.7	63703.0	58043.0	53315.7	49344.1
12.5°	94897.6	111942.1	129478.4	138667.2	129478.4	111942.1	94897.6	81189.1	68712.4	61148.3	55928.9
10°	135546.5	176648.1	217975.6	230697.5	217975.6	176648.1	135546.5	102470.3	82279.2	68210.7	60854.0
7.5°	208163.4	317792.7	444477.1	492091.1	444477.1	317792.7	208163.4	136881.0	95758.1	76432.9	65859.4
5°	326736.0	577167.6	894950.6	#####	894950.6	577167.6	326736.0	181981.6	114170.4	84287.4	69520.1
2.5°	464377.8	909490.8	#####	#####	#####	909490.8	464377.8	232519.6	132494.9	90314.8	72058.0
0°	540095.2	#####	#####	#####	#####	#####	540095.2	254651.8	141512.0	93579.5	73507.6
-2.5°	488295.3	947518.9	#####	#####	#####	947518.9	488295.3	240851.8	138474.5	94560.1	75717.0
-5°	358483.7	648309.9	993620.4	#####	993620.4	648309.9	358483.7	194728.8	125290.0	92546.0	77085.6
-7.5°	229678.2	376776.7	544978.2	620574.0	544978.2	376776.7	229678.2	151213.9	108591.4	88143.1	77775.9
-10°	153839.3	206976.5	263377.6	278252.3	263377.6	206976.5	153839.3	118288.0	97931.2	84557.6	79014.4
-12.5°	115502.4	134066.7	150268.3	157223.3	150268.3	134066.7	115502.4	102047.3	89791.5	85211.1	82800.3
-15°	101566.1	108706.2	113535.2	116462.8	113535.2	108706.2	101566.1	94174.4	90316.0	88148.2	86826.6
-17.5°	98151.8	100254.4	102183.7	104060.1	102183.7	100254.4	98151.8	94650.8	92878.7	91747.9	91118.4
-20°	99338.6	100018.9	101059.7	102319.7	101059.7	100018.9	99338.6	97620.7	95795.1	94719.2	93423.4



REPORT NUMBER: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	100401.3	101035.5	101865.4	102730.9	101865.4	101035.5	100401.3	99406.4	97425.2	95587.1	93805.8
-25°	99699.2	100380.2	100974.2	101382.6	100974.2	100380.2	99699.2	98979.5	96925.2	94647.4	92488.5
-27.5°	97085.6	97772.2	98196.2	98313.0	98196.2	97772.2	97085.6	96182.0	94512.7	91679.0	88763.5
-30°	92866.3	93712.5	94144.1	94162.9	94144.1	93712.5	92866.3	91611.3	89772.0	84578.2	77897.5
-32.5°	84623.7	87023.6	88434.4	88826.9	88434.4	87023.6	84623.7	81277.2	77037.1	70249.5	61138.4
-35°	67950.9	71263.7	73193.7	73737.2	73193.7	71263.7	67950.9	63277.3	57281.4	50169.8	42537.3
-37.5°	46480.7	49384.4	51132.6	51704.9	51132.6	49384.4	46480.7	42454.3	37348.1	31246.4	27567.7
-40°	28683.2	29927.6	30654.0	30877.6	30654.0	29927.6	28683.2	26911.7	24609.9	21772.2	18847.0
-42.5°	19719.0	20681.2	21305.3	21592.3	21305.3	20681.2	19719.0	18420.4	16790.3	14835.8	12697.0
-45°	13130.0	13833.2	14323.9	14592.5	14323.9	13833.2	13130.0	12225.3	11130.9	9859.4	8383.2
-47.5°	8352.4	8817.6	9139.6	9314.0	9139.6	8817.6	8352.4	7749.1	7013.7	6152.4	5142.0
-50°	4893.9	5197.3	5413.5	5536.7	5413.5	5197.3	4893.9	4509.6	4050.7	3523.8	2935.5
-52.5°	2542.9	2692.5	2795.4	2849.7	2795.4	2692.5	2542.9	2348.8	2112.3	1836.0	1522.4
-55°	1210.5	1277.0	1323.2	1348.3	1323.2	1277.0	1210.5	1124.8	1020.8	899.7	762.5
-57.5°	571.7	600.1	620.1	631.1	620.1	600.1	571.7	535.4	492.0	442.1	386.2
-60°	280.8	284.1	286.2	286.9	286.2	284.1	280.8	276.4	270.9	264.5	257.2
-62.5°	226.3	228.9	229.9	229.5	229.9	228.9	226.3	222.2	216.6	209.6	201.1
-65°	162.3	163.3	163.4	162.6	163.4	163.3	162.3	160.3	157.3	153.1	147.9
-67.5°	122.0	123.3	124.0	124.3	124.0	123.3	122.0	120.2	117.9	115.0	111.7
-70°	93.6	94.7	95.4	95.6	95.4	94.7	93.6	92.0	89.9	87.5	84.6
-72.5°	65.7	66.4	66.8	66.9	66.8	66.4	65.7	64.8	63.6	62.2	60.5
-75°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.4	45.8	45.1
-77.5°	37.9	38.1	38.3	38.3	38.3	38.1	37.9	37.6	37.1	36.6	36.0
-80°	28.2	28.4	28.6	28.7	28.6	28.4	28.2	27.8	27.4	27.0	26.5
-82.5°	12.8	11.7	10.7	9.6	10.7	11.7	12.8	13.9	14.9	16.0	17.0
-85°	12.6	11.6	10.6	9.6	10.6	11.6	12.6	13.5	14.4	15.3	16.1
-87.5°	3.2	2.1	1.1	0.0	1.1	2.1	3.2	4.2	5.2	6.2	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



REPORT NUMBER: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.0	17.6	17.3	16.9	16.5	16.1	15.6	15.2	14.6	14.1	13.5
85°	17.9	19.1	20.0	20.8	21.5	22.1	22.5	22.9	23.1	23.2	23.1
82.5°	18.9	19.2	20.2	21.3	22.4	23.5	24.5	25.6	26.7	27.7	28.7
80°	26.4	25.9	26.3	26.6	26.9	27.1	27.2	27.3	27.3	27.8	28.9
77.5°	35.4	34.7	34.4	34.2	34.1	34.3	34.6	35.0	34.7	34.4	33.8
75°	44.3	43.4	42.4	41.2	40.0	38.7	37.9	37.6	37.6	37.9	38.4
72.5°	53.2	52.1	50.9	49.6	48.2	46.6	45.0	43.2	41.4	39.5	38.8
70°	66.9	64.2	61.3	58.4	56.4	54.6	52.7	50.7	48.5	46.3	44.3
67.5°	80.6	78.7	76.0	72.5	68.6	64.8	61.4	58.2	55.7	53.1	50.5
65°	93.0	89.6	86.2	83.6	80.4	76.4	71.7	67.0	63.2	59.9	57.0
62.5°	113.4	107.3	101.2	96.7	92.4	88.4	84.3	79.1	72.9	66.5	63.3
60°	140.2	136.7	130.8	122.6	111.8	99.0	94.2	89.9	86.2	79.4	72.3
57.5°	170.6	167.2	163.6	157.3	148.0	135.8	120.4	101.7	93.0	90.0	84.8
55°	219.1	210.0	203.1	194.8	185.7	174.6	160.0	141.9	122.5	98.9	94.3
52.5°	332.2	303.9	273.6	241.7	226.1	214.2	201.0	183.2	171.4	154.9	120.9
50°	497.1	443.1	388.5	338.7	300.6	261.4	238.8	223.4	217.7	208.0	187.9
47.5°	695.1	615.3	534.9	466.3	403.6	346.6	302.0	263.4	257.2	252.1	238.9
45°	866.8	791.1	706.7	614.7	524.4	450.7	384.4	346.3	302.0	285.3	280.7
42.5°	978.9	933.7	861.6	766.3	664.7	566.6	495.8	451.0	392.1	333.0	308.8
40°	1056.7	1017.0	965.0	904.5	806.2	690.3	647.6	582.3	509.8	425.6	349.3
37.5°	1167.3	1086.3	1040.9	989.3	919.1	879.5	832.4	755.4	652.6	546.9	441.8
35°	1423.1	1270.4	1139.9	1054.4	1013.4	1084.1	1062.4	959.6	835.8	695.4	552.2
32.5°	2044.7	1771.3	1365.7	1200.1	1259.2	1340.8	1315.2	1210.6	1042.2	875.3	700.5
30°	3524.9	2844.2	2120.8	1794.0	1885.0	1724.0	1627.6	1495.4	1301.9	1073.3	862.3
27.5°	6405.1	4777.7	3801.6	4053.9	3151.1	2589.0	2104.4	1825.2	1588.7	1317.2	1052.4
25°	11267.7	8751.0	8265.1	7993.1	6539.5	3955.8	2922.8	2319.7	1925.9	1587.1	1248.4
22.5°	18397.3	16232.7	14840.4	13306.1	11197.2	7753.5	4421.8	2922.8	2302.9	1888.7	1521.9
20°	28778.4	25335.6	22731.6	20122.0	16985.3	12650.2	6925.3	4148.9	2921.7	2376.1	1859.4
17.5°	38912.3	35427.1	31266.7	27570.4	23587.4	18390.9	11680.6	5960.7	3910.5	2971.1	2243.8
15°	47491.5	44389.6	40225.0	35535.1	30596.4	24679.9	17031.4	8221.5	5247.1	3763.3	2740.0
12.5°	53317.6	51779.3	48717.7	43417.4	37614.5	31112.3	22573.2	12763.2	7107.3	4717.3	3289.8
10°	57997.2	57445.1	54620.0	49520.6	43843.1	37212.1	28152.5	17204.7	8969.5	5723.3	3864.5
7.5°	61355.6	59794.9	58208.0	54560.7	49333.3	43042.7	33604.4	21408.8	10780.9	6743.9	4442.2
5°	63445.4	61675.5	61051.3	58690.9	54151.2	48495.6	38729.8	25222.0	12482.3	7736.8	4999.1
2.5°	65094.6	63296.6	63344.1	62096.3	58390.0	53453.5	43309.6	28479.4	14010.5	8657.0	5509.7
0°	66412.2	64805.7	65331.6	65006.5	62166.4	57796.3	47114.9	31011.5	15300.1	9457.4	5947.9
-2.5°	69124.0	67835.0	68325.6	67933.4	65186.8	60544.1	49041.8	32063.0	15995.0	9771.5	6054.8
-5°	71780.6	70966.4	71338.1	70700.0	67900.3	62444.6	49802.9	32117.1	16317.0	9884.1	6051.1
-7.5°	74505.0	74239.0	74413.8	73382.1	70334.3	63399.7	49257.1	31084.2	16202.8	9763.3	5926.4
-10°	77771.4	77702.8	77588.9	76048.3	72518.5	63335.0	47291.5	28893.2	15597.0	9381.0	5671.3
-12.5°	81901.0	81468.4	80620.7	78738.5	74483.0	62203.0	43826.3	25494.0	14454.2	8713.4	5278.5
-15°	86085.2	84770.7	82787.6	79622.4	72755.7	58569.8	38919.6	20858.3	12739.9	7742.1	4742.1
-17.5°	89326.1	87177.1	84346.0	79937.4	68607.5	51622.8	32946.8	18524.6	11205.2	6729.0	4093.2
-20°	91655.7	88603.7	84098.3	75599.3	61926.5	43510.2	25965.5	15785.1	9596.3	5881.4	3552.9



REPORT NUMBER: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	91984.4	87889.8	80756.3	69289.8	52004.7	34963.1	21188.9	12969.9	7816.4	4878.8	2914.9
-25°	89235.8	83599.7	73110.0	57673.7	41493.1	26009.8	16845.9	10749.2	6707.0	4074.1	2254.7
-27.5°	81903.6	73562.4	60300.1	45351.1	30438.5	20486.1	13274.9	8380.0	5403.2	3277.4	1897.1
-30°	69061.0	57389.9	45471.8	32739.7	22914.6	15202.9	9999.4	6750.4	4267.5	2461.1	1462.8
-32.5°	51200.1	41147.4	30839.2	23481.6	16335.1	11223.6	7776.5	5091.4	3080.6	1923.0	1145.1
-35°	34037.9	27527.7	21324.0	16159.3	11582.8	8372.1	5665.4	3636.2	2296.9	1381.4	834.1
-37.5°	23173.4	18586.4	14802.5	11067.2	8389.8	5904.3	3904.8	2545.8	1564.2	997.2	628.4
-40°	15867.8	12588.7	10177.1	7746.9	5717.1	3812.6	2630.9	1667.1	1094.4	680.6	471.4
-42.5°	10742.7	8678.0	6807.6	5108.0	3557.4	2535.6	1664.1	1100.7	701.6	493.3	399.6
-45°	7019.6	5580.4	4157.2	3178.5	2227.2	1561.3	995.5	683.2	480.6	393.8	347.4
-47.5°	4227.8	3361.3	2495.8	1860.1	1320.4	861.4	629.8	434.8	376.1	330.9	331.7
-50°	2350.5	1874.3	1394.4	979.6	749.2	533.0	411.9	341.5	309.3	306.8	288.5
-52.5°	1176.8	964.3	755.5	553.4	442.7	364.6	301.3	283.8	275.5	250.0	197.0
-55°	603.5	502.7	422.3	347.6	293.5	279.5	264.4	242.0	210.8	171.5	149.2
-57.5°	325.3	285.5	275.9	265.3	253.6	233.9	208.4	179.8	158.8	139.3	120.3
-60°	249.4	241.9	228.1	211.5	192.3	171.0	156.4	140.9	124.7	113.6	102.0
-62.5°	191.2	179.1	167.1	156.4	144.8	132.3	121.1	112.7	103.8	94.1	83.9
-65°	141.4	133.5	124.7	118.7	112.5	105.7	98.5	90.9	82.9	74.4	66.1
-67.5°	108.0	103.7	99.0	93.8	88.2	82.2	75.7	68.9	63.4	58.4	53.8
-70°	81.2	77.5	73.3	68.7	64.8	61.3	57.5	53.5	49.2	46.3	44.7
-72.5°	58.6	56.4	54.0	51.4	48.5	46.6	45.0	43.2	41.4	39.5	38.8
-75°	44.3	43.4	42.4	41.2	40.0	38.7	37.9	37.6	37.6	37.9	38.4
-77.5°	35.4	34.7	34.4	34.2	34.1	34.3	34.6	35.0	34.7	34.4	33.8
-80°	26.1	25.9	26.3	26.6	26.9	27.1	27.2	27.3	27.3	27.3	27.2
-82.5°	18.1	19.2	19.9	20.6	21.1	21.4	21.6	21.6	21.3	20.9	20.3
-85°	16.9	17.7	17.5	17.4	17.4	17.5	17.6	17.8	18.1	18.6	19.1
-87.5°	8.0	8.9	9.7	10.4	11.1	11.7	12.2	12.6	13.0	13.3	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: P1306551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-1L-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°	13.6	13.7	13.6	13.4	13.1	12.8	12.3	11.7	11.0	9.8	8.6
85°	23.2	23.4	23.7	24.2	24.8	25.5	24.5	23.4	21.9	19.6	17.2
82.5°	28.7	28.1	27.6	27.2	27.1	27.1	27.4	28.0	28.7	28.7	25.8
80°	29.6	30.0	30.1	30.0	29.5	28.7	28.4	28.4	28.7	28.7	28.7
77.5°	33.1	32.5	32.4	32.6	32.5	31.9	31.0	29.6	28.7	28.7	28.7
75°	38.3	37.1	36.1	35.4	35.2	35.3	34.5	33.2	31.3	29.0	28.7
72.5°	39.4	39.5	39.1	38.2	37.2	36.8	37.0	37.0	34.9	32.2	29.4
70°	42.7	41.7	41.4	40.9	39.7	38.1	37.7	38.0	38.3	35.3	32.2
67.5°	47.7	45.8	44.5	43.7	42.9	41.2	38.9	38.2	38.5	38.3	34.9
65°	53.9	50.7	47.6	46.2	45.4	44.8	42.5	39.4	38.9	38.9	37.5
62.5°	60.0	56.5	52.9	49.2	47.1	46.5	46.2	43.1	39.9	39.5	38.9
60°	65.9	62.1	58.2	54.2	50.0	47.4	47.3	46.7	42.9	40.3	39.7
57.5°	76.8	68.5	63.4	59.1	54.6	50.0	47.7	47.9	45.7	42.3	40.6
55°	88.1	79.5	70.3	63.9	59.1	54.2	49.2	48.2	47.9	44.5	41.6
52.5°	98.4	90.2	80.4	70.3	63.4	58.2	52.9	48.7	48.5	46.5	43.2
50°	139.7	101.3	90.8	79.5	68.5	62.1	56.5	51.6	49.3	48.0	44.7
47.5°	214.7	148.8	102.3	89.0	76.8	65.9	60.1	54.5	50.1	48.9	46.1
45°	263.9	228.8	142.0	100.6	84.8	72.5	63.9	57.1	52.4	49.9	47.3
42.5°	303.1	282.7	223.8	113.6	95.5	80.3	67.8	60.4	54.4	50.9	48.4
40°	328.8	319.2	295.3	194.1	107.1	88.2	74.6	64.1	56.2	52.2	49.3
37.5°	351.5	346.6	328.9	277.3	134.8	99.2	81.7	67.7	58.3	53.7	50.4
35°	436.4	366.3	361.8	327.0	204.9	110.1	88.7	72.4	61.5	54.9	51.5
32.5°	528.3	405.8	379.7	345.9	269.7	120.8	97.2	78.5	64.7	56.0	52.6
30°	659.2	491.4	387.6	362.7	316.4	172.3	106.5	84.5	67.9	56.9	53.7
27.5°	805.8	570.8	410.6	372.8	330.5	222.5	115.5	90.3	71.0	58.4	54.5
25°	959.7	683.9	479.3	382.3	342.7	267.8	124.2	96.0	75.1	60.8	55.2
22.5°	1147.0	811.1	546.1	393.4	353.2	307.3	146.9	103.2	79.7	63.2	55.8
20°	1350.1	938.5	610.4	413.8	362.0	315.9	180.5	109.9	83.9	65.4	56.3
17.5°	1579.5	1086.4	707.3	465.9	370.9	323.1	209.7	116.1	87.9	67.5	56.6
15°	1893.5	1258.7	807.1	514.2	380.1	328.7	234.4	121.8	91.6	69.4	56.9
12.5°	2223.0	1430.3	900.9	558.0	389.2	332.9	254.9	127.0	94.9	71.2	57.1
10°	2557.0	1596.6	987.0	596.8	397.9	335.8	271.1	131.6	97.8	72.7	57.3
7.5°	2883.3	1752.6	1063.3	629.8	405.8	337.3	283.3	135.6	100.3	74.1	57.3
5°	3188.8	1892.8	1128.0	656.6	412.5	337.5	291.4	138.9	102.4	75.1	57.4
2.5°	3459.6	2011.8	1179.0	676.3	417.6	336.7	295.7	141.5	104.1	76.0	57.4
0°	3681.6	2103.8	1214.4	688.5	420.8	334.7	296.4	143.4	105.2	76.5	57.4
-2.5°	3715.3	2105.0	1207.2	683.0	420.3	338.6	302.3	144.0	105.4	76.7	57.7
-5°	3680.3	2072.0	1182.1	669.5	417.8	341.8	304.3	143.8	105.0	76.7	58.0
-7.5°	3571.3	2003.2	1138.9	648.3	413.6	344.6	301.9	142.7	104.2	76.3	58.3
-10°	3384.2	1897.4	1077.6	619.7	408.0	347.5	294.7	140.8	102.8	75.6	58.6
-12.5°	3115.2	1753.6	998.1	584.1	401.4	350.5	282.3	138.0	100.9	74.6	58.8
-15°	2761.6	1571.2	900.6	541.7	394.0	354.1	264.3	134.3	98.6	73.4	58.9
-17.5°	2321.6	1350.0	785.3	492.9	386.3	358.5	240.5	129.7	95.7	71.8	58.9
-20°	2009.8	1152.5	665.4	438.0	378.4	363.9	210.5	124.2	92.3	69.9	58.9



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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°	1695.9	991.8	597.9	417.6	375.7	370.6	174.2	117.7	88.4	67.8	58.7
-25°	1339.9	813.1	524.9	407.0	381.8	328.6	149.4	110.3	84.1	65.4	58.4
-27.5°	1088.5	647.5	446.7	397.4	389.9	277.8	140.5	104.8	79.9	62.7	58.1
-30°	880.2	558.2	420.8	393.7	400.2	219.1	130.5	99.0	76.5	61.3	57.5
-32.5°	668.2	464.0	411.6	405.9	353.6	157.0	119.4	92.6	72.9	60.7	56.2
-35°	553.5	419.0	397.1	421.0	274.1	143.9	109.1	85.8	68.9	59.9	54.6
-37.5°	431.0	395.5	399.8	380.4	185.6	129.6	101.1	80.1	64.7	59.0	52.8
-40°	398.5	378.6	399.7	271.4	149.1	114.3	92.6	75.1	62.6	57.8	50.9
-42.5°	362.1	374.9	316.9	165.4	131.1	104.3	84.0	69.8	61.1	55.9	49.0
-45°	353.3	330.1	208.7	143.7	113.6	94.1	77.9	64.8	59.3	53.5	47.3
-47.5°	318.0	223.5	151.9	122.5	102.0	84.3	71.5	62.5	57.3	51.1	46.1
-50°	217.0	155.5	128.4	107.3	89.9	76.8	65.7	59.9	54.5	48.6	44.7
-52.5°	154.6	129.8	109.9	93.9	80.3	68.7	62.4	57.0	51.5	46.5	43.2
-55°	126.6	109.9	95.2	82.1	70.7	63.3	58.5	53.7	48.5	44.5	41.6
-57.5°	107.3	93.8	81.9	71.0	63.5	58.5	54.4	50.2	45.7	42.3	40.6
-60°	90.2	79.3	69.0	62.5	57.5	53.7	50.3	46.7	42.9	40.3	39.7
-62.5°	74.0	65.4	60.1	55.3	52.0	49.1	46.2	43.1	39.9	39.5	38.9
-65°	60.8	55.9	51.8	49.5	47.0	44.8	42.5	39.4	38.9	38.9	37.5
-67.5°	49.8	48.0	46.1	44.1	42.9	41.2	38.9	38.2	38.5	38.3	34.9
-70°	43.4	41.9	41.4	40.9	39.7	38.1	37.7	38.0	38.3	35.3	32.2
-72.5°	39.4	39.5	39.1	38.2	37.2	36.8	37.0	36.9	34.9	32.2	29.4
-75°	38.3	37.1	36.1	35.4	35.2	35.2	34.1	32.9	31.3	29.0	28.7
-77.5°	33.1	32.5	32.4	31.8	31.1	30.4	29.6	28.8	28.7	28.7	28.7
-80°	27.0	26.8	26.6	26.3	26.0	25.7	26.7	27.8	28.7	28.7	28.7
-82.5°	20.5	21.3	22.4	23.5	24.5	25.6	26.7	27.7	28.7	28.7	25.8
-85°	20.2	21.3	22.3	23.4	24.5	25.5	24.5	23.4	21.9	19.6	17.2
-87.5°	13.6	13.7	13.6	13.4	13.1	12.8	12.3	11.7	11.0	9.8	8.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.4	6.2	5.0	3.7	2.5	1.3	0.0
85°	14.8	12.4	10.0	7.5	5.0	2.5	0.0
82.5°	22.2	18.6	14.9	11.2	7.5	3.7	0.0
80°	28.7	24.7	19.8	14.9	10.0	5.0	0.0
77.5°	28.7	28.7	24.7	18.6	12.4	6.2	0.0
75°	28.7	28.7	28.7	22.2	14.8	7.4	0.0
72.5°	28.7	28.7	28.7	25.8	17.2	8.6	0.0
70°	29.0	28.7	28.7	28.7	19.6	9.8	0.0
67.5°	31.3	28.7	28.7	28.7	21.9	11.0	0.0
65°	33.6	29.7	28.7	28.7	24.2	12.1	0.0
62.5°	35.9	31.5	28.7	28.7	26.5	13.2	0.0
60°	38.1	33.4	28.7	28.7	28.7	14.3	0.0
57.5°	39.1	35.1	30.1	28.7	28.7	15.4	0.0
55°	40.1	36.9	31.5	28.7	28.7	16.5	0.0
52.5°	41.1	38.5	32.8	28.7	28.7	17.5	0.0
50°	42.1	39.4	34.1	28.7	28.7	18.4	0.0
47.5°	43.2	40.3	35.4	28.9	28.7	19.4	0.0
45°	44.3	41.3	36.6	29.8	28.7	20.3	0.0
42.5°	45.2	42.3	37.7	30.7	28.7	21.2	0.0
40°	46.0	43.3	38.7	31.5	28.7	22.0	0.0
37.5°	46.8	44.3	39.5	32.3	28.7	22.8	0.0
35°	47.4	45.0	40.2	33.1	28.7	23.5	0.0
32.5°	48.1	45.5	41.0	33.8	28.7	24.2	0.0
30°	48.9	46.0	41.7	34.4	28.7	24.9	0.0
27.5°	49.8	46.4	42.4	35.0	28.7	25.5	0.0
25°	50.7	46.7	43.1	35.6	28.7	26.0	0.0
22.5°	51.6	47.0	43.8	36.1	28.7	26.5	0.0
20°	52.4	47.2	44.4	36.6	28.7	27.0	0.0
17.5°	53.3	47.4	45.0	37.0	28.7	27.4	0.0
15°	54.1	47.6	45.5	37.3	28.7	27.7	0.0
12.5°	54.8	47.7	46.1	37.6	28.7	28.0	0.0
10°	55.5	47.7	46.5	37.9	28.7	28.3	0.0
7.5°	56.1	47.8	46.9	38.1	28.7	28.5	0.0
5°	56.6	47.8	47.3	38.2	28.7	28.6	0.0
2.5°	57.1	47.8	47.6	38.3	28.7	28.7	0.0
0°	57.4	47.8	47.8	38.3	28.7	28.7	0.0
-2.5°	57.3	47.8	47.6	38.3	28.7	28.7	0.0
-5°	57.2	47.8	47.3	38.2	28.7	28.6	0.0
-7.5°	56.9	47.8	46.9	38.1	28.7	28.5	0.0
-10°	56.5	47.7	46.5	37.9	28.7	28.3	0.0
-12.5°	56.0	47.7	46.1	37.6	28.7	28.0	0.0
-15°	55.4	47.6	45.5	37.3	28.7	27.7	0.0
-17.5°	54.7	47.4	45.0	37.0	28.7	27.4	0.0
-20°	53.9	47.2	44.4	36.6	28.7	27.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.9	47.0	43.8	36.1	28.7	26.5	0.0
-25°	51.9	46.7	43.1	35.6	28.7	26.0	0.0
-27.5°	50.8	46.4	42.4	35.0	28.7	25.5	0.0
-30°	49.5	46.0	41.7	34.4	28.7	24.9	0.0
-32.5°	48.2	45.5	41.0	33.8	28.7	24.2	0.0
-35°	47.4	45.0	40.2	33.1	28.7	23.5	0.0
-37.5°	46.8	44.3	39.5	32.3	28.7	22.8	0.0
-40°	46.0	43.3	38.7	31.5	28.7	22.0	0.0
-42.5°	45.2	42.3	37.7	30.7	28.7	21.2	0.0
-45°	44.3	41.3	36.6	29.8	28.7	20.3	0.0
-47.5°	43.2	40.3	35.4	28.9	28.7	19.4	0.0
-50°	42.1	39.4	34.1	28.7	28.7	18.4	0.0
-52.5°	41.1	38.5	32.8	28.7	28.7	17.5	0.0
-55°	40.1	36.9	31.5	28.7	28.7	16.5	0.0
-57.5°	39.1	35.1	30.1	28.7	28.7	15.4	0.0
-60°	38.1	33.4	28.7	28.7	28.7	14.3	0.0
-62.5°	35.9	31.5	28.7	28.7	26.5	13.2	0.0
-65°	33.6	29.7	28.7	28.7	24.2	12.1	0.0
-67.5°	31.3	28.7	28.7	28.7	21.9	11.0	0.0
-70°	29.0	28.7	28.7	28.7	19.6	9.8	0.0
-72.5°	28.7	28.7	28.7	25.8	17.2	8.6	0.0
-75°	28.7	28.7	28.7	22.2	14.8	7.4	0.0
-77.5°	28.7	28.7	24.7	18.6	12.4	6.2	0.0
-80°	28.7	24.7	19.8	14.9	10.0	5.0	0.0
-82.5°	22.2	18.6	14.9	11.2	7.5	3.7	0.0
-85°	14.8	12.4	10.0	7.5	5.0	2.5	0.0
-87.5°	7.4	6.2	5.0	3.7	2.5	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)