

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: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-5L-S**

Issue Date: 8/10/2023

Test Information

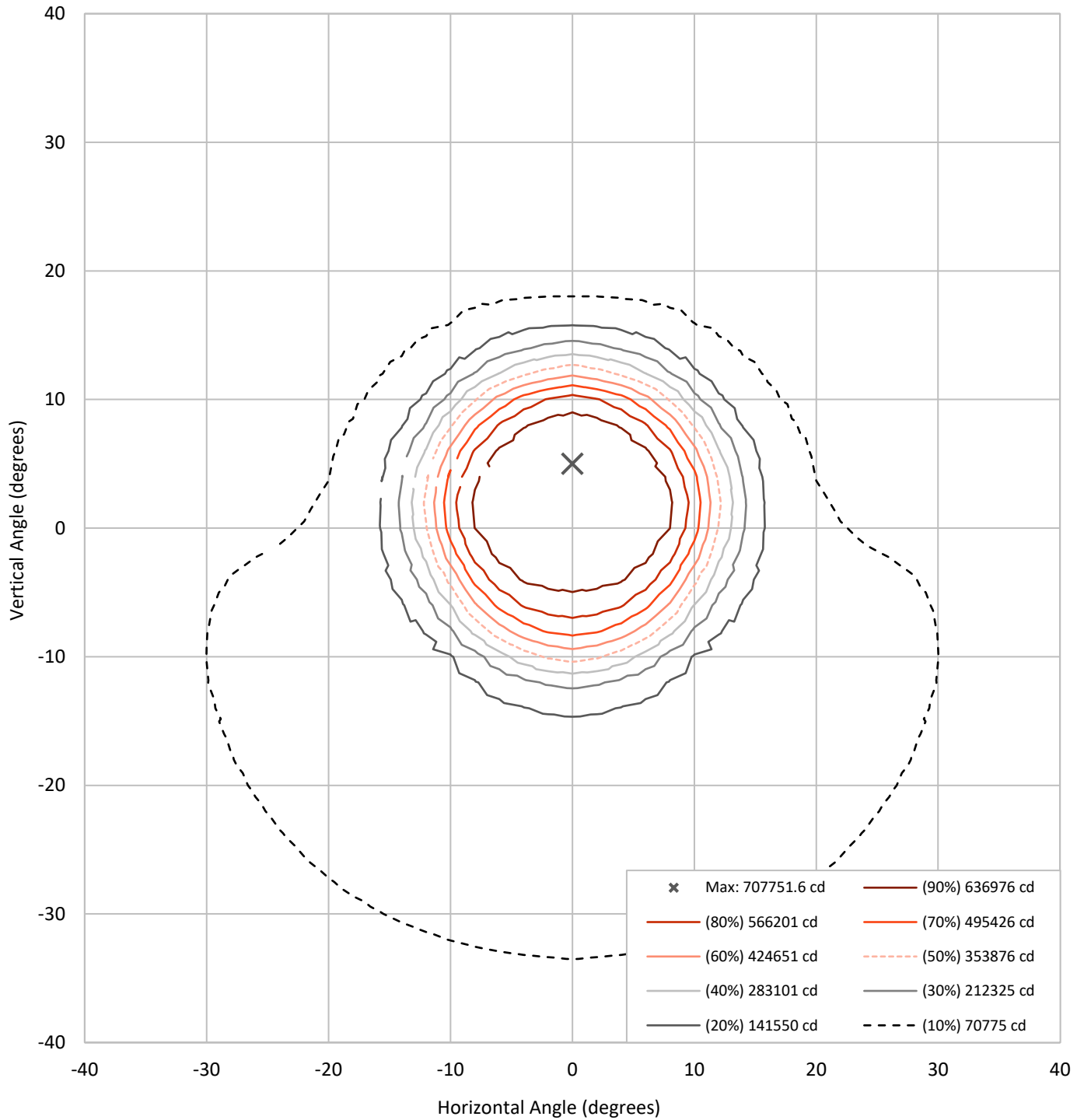
Test Method: LM-79-08
Report Number: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-53)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-5L-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 5L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	167289.6 lumens	Max Intensity:	707751.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	129.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	23.3°H x 23°V	Field Angle (10%):	39.5°H x 51.6°V
Beam Lumens:	74241.9 lumens	Field Lumens:	136222.6 lumens
Beam Efficiency:	44.4%	Field Efficiency:	81.4%
Input Watts (W):	1288.4		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





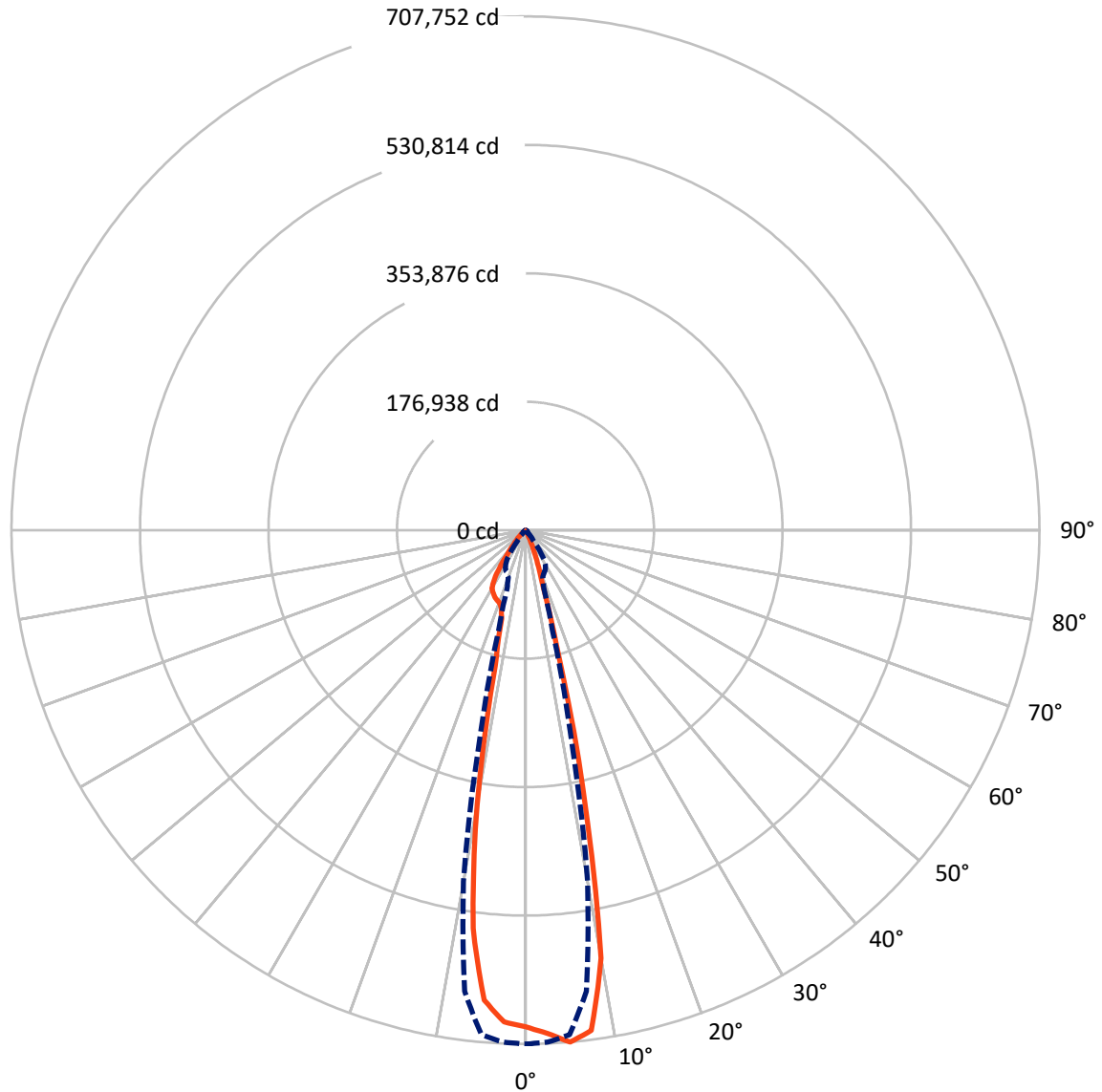
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Lumen Table

90	0.3	1.1	2.2	3.3	3.8	3.3	2.2	1.1	0.3							
80	0.3	1.1	2.2	3.3	3.8	3.3	2.2	1.1	0.3							
70	0.5	0.4	0.8	1.4	2.1	2.8	3.5	3.9	3.9	3.5	2.8	2.1	1.4	0.8	0.4	0.5
60		0.6	1.4	2.5	4.1	6.4	11.1	20.6	20.6	11.1	6.4	4.1	2.5	1.4	0.6	
50	0.7	0.9	2.1	4.5	9.4	17.5	28.6	44.1	44.1	28.6	17.5	9.4	4.5	2.1	0.9	0.7
40		1.2	3.3	9.1	20.2	36.7	71.2	94.2	94.2	71.2	36.7	20.2	9.1	3.3	1.2	
30	1.0	1.6	5.3	21.2	66.8	285.8	422.9	517.6	517.6	422.9	285.8	66.8	21.2	5.3	1.6	1.0
20		1.9	8.9	53.6	367.5	1083.8	1869.1	5437.1	5437.1	1869.1	1083.8	367.5	53.6	8.9	1.9	
10	1.1	2.1	14.0	113.9	807.8	1708.7	5402.1	18941.1	18941.1	5402.1	1708.7	807.8	113.9	14.0	2.1	1.1
0		2.3	17.1	149.0	1012.6	2051.5	4536.9	15939.4	15939.4	4536.9	2051.5	1012.6	149.0	17.1	2.3	
-10	1.0	2.3	13.9	119.5	805.9	2237.3	2820.2	4311.6	4311.6	2820.2	2237.3	805.9	119.5	13.9	2.3	1.0
-20		1.9	8.5	62.8	383.4	1546.8	2634.5	2977.0	2977.0	2634.5	1546.8	383.4	62.8	8.5	1.9	
-30	0.8	1.5	4.6	20.6	140.6	505.8	1161.4	1683.5	1683.5	1161.4	505.8	140.6	20.6	4.6	1.5	0.8
-40		1.1	2.7	6.4	28.9	119.4	267.4	385.2	385.2	267.4	119.4	28.9	6.4	2.7	1.1	
-50	0.5	0.7	1.8	3.2	5.8	13.1	30.5	45.0	45.0	30.5	13.1	5.8	3.2	1.8	0.7	0.5
-60		0.4	0.9	1.7	2.6	3.6	4.8	5.6	5.6	4.8	3.6	2.6	1.7	0.9	0.4	
-70	0.3	0.4	0.9	1.7	2.6	3.6	4.8	5.6	5.6	4.8	3.6	2.6	1.7	0.9	0.4	0.3
-80		0.3	1.1	2.4	3.8	4.3	3.8	2.4	1.1	0.3						
-90	0.3	1.1	2.4	3.8	4.3	3.8	2.4	1.1	0.3							

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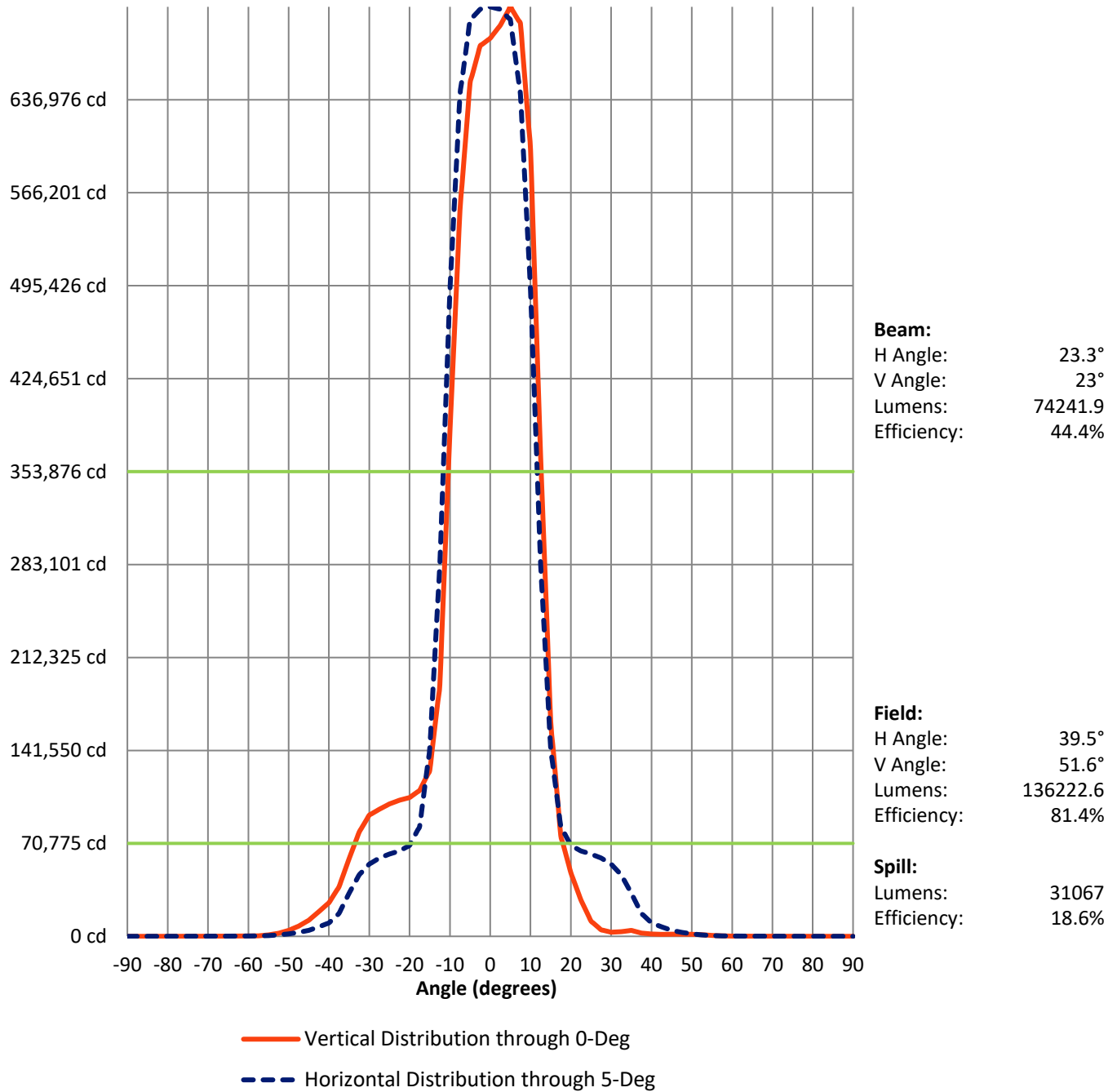
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-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	0.8	1.5	2.3	3.0	3.7	4.5	5.1	5.7	6.3	6.9
85°	0.0	1.5	3.0	4.5	6.0	7.5	8.9	10.2	11.5	12.7	13.8
82.5°	0.0	2.3	4.5	6.8	9.0	11.2	13.4	15.4	16.9	17.1	17.3
80°	0.0	3.0	6.0	9.0	12.0	14.9	17.4	17.8	18.2	18.6	18.9
77.5°	0.0	3.7	7.5	11.2	14.9	17.6	18.4	19.0	19.5	20.0	20.6
75°	0.0	4.5	8.9	13.4	17.4	18.4	19.3	20.1	20.8	21.7	22.6
72.5°	0.0	5.2	10.4	15.6	18.0	19.2	20.3	21.3	22.4	23.5	24.6
70°	0.0	5.9	11.8	17.4	18.7	20.0	21.3	22.7	24.0	25.3	26.9
67.5°	0.0	6.6	13.2	17.9	19.3	20.7	22.4	24.1	25.6	27.4	29.3
65°	0.0	7.3	14.6	18.3	19.9	21.6	23.6	25.4	27.5	29.5	31.8
62.5°	0.0	8.0	16.0	18.8	20.5	22.5	24.7	27.0	29.3	31.7	34.7
60°	0.0	8.6	17.3	19.2	21.1	23.4	25.8	28.5	31.1	34.2	37.5
57.5°	0.0	9.3	17.6	19.6	21.8	24.3	27.1	30.1	33.1	36.6	41.4
55°	0.0	9.9	17.9	20.0	22.5	25.2	28.4	31.6	35.1	39.3	45.7
52.5°	0.0	10.5	18.1	20.4	23.2	26.1	29.7	33.3	37.1	43.1	49.9
50°	0.0	11.1	18.4	20.8	23.8	27.1	31.0	35.0	39.4	46.9	56.7
47.5°	0.0	11.7	18.6	21.2	24.4	28.2	32.2	36.6	42.7	50.5	63.5
45°	0.0	12.2	18.9	21.7	25.0	29.2	33.6	38.2	46.0	56.4	70.1
42.5°	0.0	12.8	19.1	22.1	25.6	30.2	35.0	40.6	49.3	62.0	76.8
40°	0.0	13.3	19.3	22.5	26.3	31.1	36.3	43.4	53.1	67.4	83.4
37.5°	0.0	13.7	19.5	22.9	27.0	32.1	37.6	46.1	57.9	73.0	90.0
35°	0.0	14.2	19.7	23.3	27.7	33.0	38.8	48.7	62.5	78.9	95.7
32.5°	0.0	14.6	19.9	23.6	28.4	34.0	40.3	51.2	66.9	84.4	100.3
30°	0.0	15.0	20.1	24.0	29.0	34.9	42.3	53.9	71.0	89.6	104.8
27.5°	0.0	15.3	20.2	24.3	29.5	35.8	44.2	57.3	75.1	94.6	109.2
25°	0.0	15.7	20.4	24.5	30.1	36.6	46.0	60.5	79.1	98.5	113.5
22.5°	0.0	16.0	20.5	24.8	30.5	37.3	47.7	63.4	82.9	102.0	119.0
20°	0.0	16.3	20.6	25.0	31.0	38.0	49.3	66.1	86.3	105.2	124.2
17.5°	0.0	16.5	20.7	25.2	31.3	38.7	50.7	68.6	89.3	108.2	129.0
15°	0.0	16.7	20.8	25.4	31.7	39.2	51.9	70.7	92.1	111.1	133.4
12.5°	0.0	16.9	20.9	25.6	32.0	39.7	52.9	72.6	94.8	113.6	137.3
10°	0.0	17.0	21.0	25.7	32.2	40.2	53.8	74.2	97.4	116.7	141.6
7.5°	0.0	17.2	21.0	25.8	32.4	40.5	54.5	75.5	99.7	119.6	147.4
5°	0.0	17.2	21.1	25.8	32.5	40.8	55.0	76.5	101.7	122.3	152.8
2.5°	0.0	17.3	21.1	25.9	32.6	41.1	55.4	77.2	103.3	124.6	157.7
0°	0.0	17.3	21.1	25.9	32.6	41.2	55.6	77.7	104.6	126.6	162.1
-2.5°	0.0	17.3	21.1	25.9	32.6	41.3	55.6	77.8	104.9	127.8	165.5
-5°	0.0	17.2	21.1	25.8	32.5	41.3	55.5	77.7	104.8	128.5	168.1
-7.5°	0.0	17.2	21.0	25.8	32.4	41.1	55.2	77.2	104.2	128.8	169.6
-10°	0.0	17.0	21.0	25.7	32.2	40.9	54.8	76.4	103.1	128.5	170.0
-12.5°	0.0	16.9	20.9	25.6	32.0	40.6	54.2	75.3	101.7	127.5	166.7
-15°	0.0	16.7	20.8	25.4	31.7	40.3	53.4	73.8	99.7	125.3	161.5
-17.5°	0.0	16.5	20.7	25.2	31.3	39.8	52.4	72.0	97.3	122.6	155.6
-20°	0.0	16.3	20.6	25.0	31.0	39.2	51.3	69.9	94.4	119.6	149.2



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 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.0	20.5	24.8	30.5	38.5	50.0	67.4	91.1	116.3	142.2
-25°	0.0	15.7	20.4	24.5	30.1	37.6	48.5	64.6	87.3	112.6	134.8
-27.5°	0.0	15.3	20.2	24.3	29.5	36.7	46.9	61.4	83.2	108.4	130.0
-30°	0.0	15.0	20.1	24.0	29.0	35.6	45.1	57.9	79.0	103.3	125.1
-32.5°	0.0	14.6	19.9	23.6	28.4	34.5	43.1	55.3	74.7	97.7	120.0
-35°	0.0	14.2	19.7	23.3	27.7	33.2	41.5	52.9	70.0	91.6	114.5
-37.5°	0.0	13.7	19.5	22.9	27.0	32.1	39.9	50.3	64.8	85.2	107.6
-40°	0.0	13.3	19.3	22.5	26.3	31.1	38.2	47.6	59.3	78.8	99.7
-42.5°	0.0	12.8	19.1	22.1	25.6	30.2	36.4	44.7	55.2	72.0	91.3
-45°	0.0	12.2	18.9	21.6	25.0	29.2	34.4	42.0	51.8	64.9	82.6
-47.5°	0.0	11.7	18.6	21.2	24.4	28.2	32.3	39.5	48.2	57.5	74.3
-50°	0.0	11.1	18.4	20.7	23.7	27.1	31.0	37.0	44.4	53.2	65.6
-52.5°	0.0	10.5	18.1	20.3	23.0	26.1	29.7	34.3	40.9	48.8	57.1
-55°	0.0	9.9	17.9	19.9	22.2	25.1	28.4	31.6	37.6	44.2	52.0
-57.5°	0.0	9.3	17.6	19.5	21.5	24.1	27.1	30.1	34.1	40.1	46.8
-60°	0.0	8.6	17.3	19.0	20.7	23.1	25.8	28.5	30.8	35.9	41.6
-62.5°	0.0	8.0	16.0	18.6	20.1	22.1	24.5	26.9	29.0	31.6	36.7
-65°	0.0	7.3	14.6	18.1	19.5	21.0	23.1	25.3	27.2	29.0	31.6
-67.5°	0.0	6.6	13.2	17.7	18.9	20.1	21.8	23.6	25.3	26.9	28.5
-70°	0.0	5.9	11.8	17.2	18.2	19.3	20.4	22.0	23.5	24.8	26.1
-72.5°	0.0	5.2	10.4	15.4	17.6	18.5	19.4	20.4	21.7	22.8	23.8
-75°	0.0	4.5	8.9	13.2	16.9	17.7	18.4	19.1	19.9	20.9	21.8
-77.5°	0.0	3.7	7.5	11.1	14.5	16.9	17.4	18.0	18.5	19.1	19.7
-80°	0.0	3.0	6.0	8.9	11.6	14.3	16.4	16.8	17.2	17.6	18.0
-82.5°	0.0	2.3	4.5	6.7	8.7	10.7	12.6	14.5	15.9	16.1	16.4
-85°	0.0	1.5	3.0	4.4	5.8	7.2	8.4	9.6	10.8	11.9	12.9
-87.5°	0.0	0.8	1.5	2.2	2.9	3.6	4.2	4.8	5.4	5.9	6.5
-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: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

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°	7.4	7.9	8.4	8.8	9.2	9.5	9.9	10.2	10.3	10.3	10.3
85°	14.8	15.8	15.8	15.9	15.9	15.8	15.7	15.6	15.3	15.0	14.7
82.5°	17.5	17.7	17.9	18.1	18.1	18.0	17.9	17.8	17.6	17.5	17.3
80°	19.3	19.7	20.1	20.6	20.8	20.8	20.7	20.5	20.5	20.6	20.9
77.5°	21.3	22.0	22.7	23.4	23.6	24.0	24.3	24.8	25.3	25.8	26.2
75°	23.5	24.4	25.4	26.5	27.2	27.9	28.7	30.1	31.5	33.0	34.6
72.5°	25.9	27.2	28.5	29.7	31.4	33.1	34.9	36.7	38.8	41.1	43.1
70°	28.5	30.0	32.1	34.3	36.6	39.0	41.8	44.5	47.0	49.9	53.2
67.5°	31.2	33.7	36.3	39.2	42.8	46.1	49.3	54.0	58.5	62.4	65.9
65°	34.5	37.4	41.3	45.4	49.5	55.2	60.7	65.9	71.0	75.6	79.7
62.5°	37.8	42.3	47.0	52.6	59.7	66.1	72.2	78.2	83.9	88.0	91.6
60°	42.3	47.5	54.6	62.8	70.1	77.0	83.8	89.2	94.1	98.7	105.6
57.5°	47.1	54.8	64.2	72.7	80.4	87.4	93.2	98.7	106.7	114.7	123.0
55°	53.1	63.9	73.7	82.4	89.9	95.9	103.1	112.8	122.0	133.5	144.4
52.5°	61.2	72.7	82.6	91.0	97.6	106.0	116.9	129.1	142.6	156.2	174.6
50°	69.1	80.8	90.9	97.9	107.0	119.1	133.6	149.4	167.4	187.7	209.4
47.5°	76.6	88.9	97.0	105.8	119.1	135.1	153.2	173.9	195.8	222.6	246.9
45°	84.1	95.3	103.2	116.8	133.2	153.4	177.1	199.4	231.2	262.4	300.7
42.5°	91.5	101.0	112.8	127.7	150.0	176.1	203.4	235.7	270.7	313.2	374.8
40°	97.0	106.9	122.9	143.6	168.8	202.0	238.1	275.4	317.6	386.9	469.2
37.5°	102.3	115.9	134.1	159.8	193.7	232.7	274.0	323.6	390.3	473.4	584.6
35°	107.5	124.6	149.0	180.2	219.3	266.4	319.1	385.6	484.6	589.4	699.9
32.5°	114.0	132.9	164.0	203.3	249.8	303.0	365.1	479.3	611.9	735.1	819.2
30°	121.3	145.8	180.5	225.7	280.0	346.4	446.0	587.2	762.8	914.2	1016.4
27.5°	128.3	158.7	200.1	251.0	311.7	391.0	525.5	739.7	944.6	1126.3	1262.8
25°	135.0	170.7	218.9	276.7	351.6	478.0	686.3	934.5	1159.3	1389.8	1594.8
22.5°	143.2	181.9	235.5	301.2	391.5	588.1	869.3	1184.4	1482.8	1720.5	1993.9
20°	152.4	195.6	253.2	325.7	432.8	705.6	1066.7	1472.5	1886.4	2325.0	2847.1
17.5°	160.7	208.1	271.1	362.3	532.0	860.6	1282.9	1789.3	2345.5	3099.4	4240.9
15°	168.1	219.3	287.6	401.4	645.6	1059.5	1590.7	2201.2	2957.5	4122.1	5896.1
12.5°	174.6	229.3	302.4	442.0	761.2	1264.8	1936.4	2755.3	3877.3	5540.0	9180.5
10°	180.0	237.8	315.4	482.5	875.4	1470.7	2299.4	3353.4	4961.6	7168.9	12316.1
7.5°	188.8	246.6	327.6	521.5	984.6	1670.8	2666.1	3972.3	6099.9	8751.5	15106.6
5°	197.4	255.6	344.2	575.9	1100.5	1876.7	3028.3	4586.2	7240.4	10254.9	17523.3
2.5°	205.2	262.9	358.9	629.7	1213.3	2092.8	3389.8	5151.0	8196.8	11634.7	19705.5
0°	212.0	268.6	371.2	677.2	1309.3	2282.9	3708.3	5652.6	9008.9	12866.8	21612.8
-2.5°	218.1	276.2	387.4	710.8	1352.6	2383.8	3882.5	5976.5	9392.9	13501.5	22764.0
-5°	223.0	282.3	399.9	733.2	1373.4	2442.1	3990.2	6194.7	9563.7	13833.1	23196.8
-7.5°	226.3	286.7	408.1	738.9	1345.0	2369.1	3880.9	6051.2	9334.0	13737.5	22802.9
-10°	227.1	287.0	412.4	709.6	1256.9	2202.5	3661.7	5783.2	8918.1	13300.5	21636.3
-12.5°	220.6	282.7	409.5	674.5	1154.7	1999.9	3362.4	5384.4	8311.3	12485.0	19572.6
-15°	212.7	275.6	397.9	635.3	1040.8	1763.1	2979.6	4848.5	7521.0	11287.7	16524.5
-17.5°	203.5	265.7	376.4	593.5	917.8	1494.0	2513.3	4205.1	6691.3	10154.7	14896.4
-20°	192.9	252.6	344.3	550.5	799.8	1262.5	2153.5	3648.1	5866.6	8938.6	13017.3



REPORT NUMBER: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	181.0	236.1	313.4	511.7	714.4	1078.8	1784.6	2997.5	4859.9	7496.7	11110.2
-25°	170.1	221.7	294.0	437.8	621.3	880.6	1373.5	2303.2	3909.8	6290.4	9415.3
-27.5°	160.8	205.8	266.0	365.4	526.6	698.4	1085.0	1822.5	3071.2	4920.0	7577.8
-30°	151.3	187.8	236.6	304.8	442.5	592.3	843.2	1322.3	2244.6	3787.0	5925.0
-32.5°	141.3	170.3	213.1	271.1	365.5	486.3	628.8	996.5	1661.5	2669.1	4314.2
-35°	132.4	158.6	192.9	236.1	296.1	399.6	517.3	706.6	1112.2	1892.4	3110.8
-37.5°	125.8	146.7	173.2	206.6	257.1	326.6	405.9	525.5	773.1	1209.5	2166.1
-40°	119.1	134.5	158.3	185.8	218.9	269.8	334.4	401.2	511.1	850.8	1350.5
-42.5°	111.9	126.8	144.8	165.9	193.5	230.3	271.8	322.8	394.0	550.2	894.7
-45°	102.2	119.3	132.1	150.9	171.7	197.4	232.1	265.8	317.5	389.9	557.5
-47.5°	92.0	110.7	123.9	135.8	153.1	173.3	197.0	229.0	263.6	309.7	355.9
-50°	81.6	99.1	115.2	124.9	136.8	152.0	170.6	194.7	223.8	255.2	292.7
-52.5°	71.7	87.0	102.7	115.4	124.1	134.8	148.9	167.0	188.9	212.4	240.4
-55°	61.4	75.4	89.3	103.0	113.9	121.5	131.0	144.8	158.9	178.7	197.7
-57.5°	53.9	63.8	76.5	88.9	100.6	110.7	117.9	125.7	137.5	150.1	163.3
-60°	48.1	54.6	63.8	75.1	86.0	96.0	105.1	112.3	119.3	126.6	137.2
-62.5°	42.2	48.1	53.9	61.3	71.4	80.6	89.1	96.9	104.1	110.3	116.3
-65°	36.5	41.5	46.8	52.0	57.1	65.3	73.2	80.3	87.0	93.2	98.9
-67.5°	30.6	35.1	39.6	44.2	48.8	53.1	57.5	64.2	70.3	75.7	80.7
-70°	27.5	29.0	32.5	36.4	40.4	44.1	47.8	51.5	55.1	59.0	63.5
-72.5°	25.0	26.2	27.5	28.8	32.0	35.4	38.5	41.2	44.1	47.1	49.9
-75°	22.6	23.5	24.5	25.5	26.6	28.0	29.8	32.4	34.7	36.9	38.9
-77.5°	20.4	21.1	21.7	22.4	22.8	23.6	24.5	25.6	26.8	28.0	29.3
-80°	18.4	18.7	19.2	19.6	19.9	20.0	20.2	20.3	20.4	20.8	21.4
-82.5°	16.6	16.8	17.0	17.1	17.1	17.0	16.9	16.9	17.0	17.1	17.1
-85°	13.9	14.8	14.9	15.0	14.9	14.9	14.8	14.6	14.4	14.2	14.1
-87.5°	7.0	7.4	7.9	8.3	8.6	8.9	9.2	9.5	9.5	9.5	9.5
-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: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

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°	10.2	9.9	9.6	9.2	8.7	8.2	7.7	7.1	6.5	5.6	4.7
85°	14.3	13.7	13.2	12.6	12.0	11.4	10.7	10.1	9.4	9.2	9.0
82.5°	17.1	16.7	16.3	15.8	15.3	15.5	15.7	16.1	16.5	16.7	16.9
80°	21.1	21.3	21.6	21.9	22.3	23.3	24.4	25.4	26.3	26.8	27.2
77.5°	27.0	28.3	29.6	30.8	31.9	33.2	34.5	35.6	36.5	37.1	37.6
75°	36.2	37.9	39.4	40.9	42.3	43.7	45.1	46.3	47.4	48.2	48.8
72.5°	44.9	46.8	48.9	51.5	53.8	56.1	58.2	60.2	62.1	63.4	64.4
70°	56.1	58.9	62.0	64.9	67.6	70.2	72.9	75.3	77.6	79.3	80.4
67.5°	69.3	72.5	76.0	79.0	81.8	84.7	88.2	91.4	94.4	96.5	97.8
65°	83.2	86.0	89.6	93.3	96.9	101.9	107.1	111.8	116.1	119.3	121.3
62.5°	95.2	99.9	106.1	112.4	118.5	124.7	131.2	137.1	142.6	146.9	149.7
60°	112.2	118.6	127.1	135.7	143.5	150.7	160.3	169.0	176.7	183.2	188.4
57.5°	132.9	142.3	152.5	165.0	176.7	187.6	200.6	217.6	236.3	256.8	286.2
55°	158.3	173.0	185.6	201.4	218.6	235.9	257.7	294.7	336.4	381.1	456.2
52.5°	191.8	209.1	224.8	245.2	276.5	307.0	339.2	407.3	483.6	563.5	705.5
50°	230.0	252.5	282.3	313.1	362.6	415.8	466.7	560.3	668.5	777.9	950.0
47.5°	280.5	314.3	366.3	420.0	483.4	555.6	627.1	730.0	846.2	952.5	1098.2
45°	347.7	414.6	479.9	549.5	623.1	709.6	789.2	876.0	981.9	1069.9	1172.2
42.5°	449.3	533.0	613.9	692.4	777.1	861.1	937.1	1017.1	1102.7	1183.0	1268.2
40°	568.5	660.6	744.6	829.7	898.1	976.1	1048.8	1123.5	1219.4	1333.7	1436.1
37.5°	689.2	777.5	854.7	931.9	995.6	1050.1	1172.5	1297.6	1416.2	1695.7	1945.8
35°	809.0	894.6	953.4	1030.7	1123.0	1248.5	1447.9	1785.2	2086.6	2657.0	3226.3
32.5°	933.5	1025.7	1095.5	1212.1	1375.8	1784.2	2074.2	2926.8	3659.9	3942.7	3827.3
30°	1072.4	1194.1	1385.8	1611.1	2215.4	3181.2	3948.7	4298.1	4119.7	3658.4	3683.9
27.5°	1349.5	1521.4	1955.9	3081.0	4605.6	6251.7	6587.9	5699.2	6045.6	4971.4	5717.1
25°	1825.1	2148.2	3943.6	6986.9	9600.7	10663.0	11468.1	10873.9	11643.4	11675.6	12342.7
22.5°	2640.9	4681.8	8204.9	13144.1	16228.5	17878.4	18891.0	20005.4	21218.9	23025.5	24170.5
20°	4206.6	8024.9	15191.7	20447.4	24033.9	26334.8	28189.5	30640.0	33421.9	36818.9	39546.3
17.5°	7702.7	14574.0	22546.6	28221.7	32132.0	35457.2	38377.8	41755.8	46023.8	51376.0	56662.7
15°	11574.2	21720.2	29950.7	35740.3	40192.8	44083.6	47988.2	52066.0	57818.4	66333.9	78760.7
12.5°	17159.8	28586.2	37370.7	43022.1	47878.2	51676.0	55528.4	60847.8	69418.6	82319.7	131861.0
10°	22923.4	35126.5	43748.8	49340.7	53884.3	57603.3	61307.0	66845.8	82865.1	133527.1	231985.5
7.5°	28144.3	41198.1	49575.9	54967.6	58854.2	61756.2	65734.0	76205.8	111997.4	198214.1	371868.4
5°	32855.8	46809.1	54965.0	59647.6	62660.5	65031.0	69239.4	83799.1	143077.3	283396.4	491308.8
2.5°	36480.4	51441.1	59799.5	63632.0	65817.1	67833.8	72168.0	88185.7	157229.9	326989.9	545358.3
0°	38563.0	54340.0	63534.0	66861.5	68652.3	70413.4	74990.8	91658.9	158817.8	305992.2	525651.0
-2.5°	40318.6	57004.1	66829.2	70136.6	71683.0	73062.4	77308.6	92838.7	142467.2	247949.2	449508.2
-5°	40651.1	58216.7	69063.2	73116.3	74631.4	75755.2	78862.7	91286.6	124251.4	182725.1	323637.5
-7.5°	39528.1	57927.2	70480.7	75900.8	77688.4	78784.1	81046.6	88476.7	106289.1	136729.4	217006.9
-10°	37016.3	56043.1	70910.8	78401.6	81005.6	82204.1	83485.4	86385.6	95002.0	112345.6	135963.4
-12.5°	32769.1	52040.5	70106.0	80556.6	83992.0	85538.9	86831.1	88861.9	92329.7	98109.3	112306.0
-15°	27638.9	46295.6	65352.3	78537.1	85366.7	88429.4	90297.3	91257.2	92989.9	96460.6	101954.0
-17.5°	23725.4	38757.8	57556.3	74859.0	85375.2	89807.4	92230.4	94157.2	95392.8	97576.8	99761.4
-20°	19042.2	29893.6	47984.8	65906.2	80022.9	89073.1	92791.6	95196.0	97290.3	98757.3	100411.8



REPORT NUMBER: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15978.4	24283.9	36943.7	54451.1	70918.5	82626.0	90992.8	94111.4	96744.4	98344.9	99810.6
-25°	13360.8	18532.8	27987.0	41726.9	57902.4	72310.9	82822.8	90686.2	93902.5	96144.5	97532.3
-27.5°	10983.0	15355.2	20921.5	30350.3	43457.6	57323.7	69764.5	80659.7	86744.6	92248.8	93690.2
-30°	8688.4	12360.0	16831.7	22031.9	30528.5	40580.2	52556.9	63349.7	72910.2	80424.2	84522.1
-32.5°	6772.1	9693.8	13327.8	17396.9	21432.4	28314.4	34883.2	44789.2	53640.6	61429.2	68006.1
-35°	4904.0	7349.2	10104.5	13386.2	16723.8	20364.2	24593.0	30241.2	35315.9	41780.3	47876.3
-37.5°	3449.4	5209.9	7405.1	9805.9	12613.1	15354.7	18285.2	21256.2	24032.7	28031.5	31430.7
-40°	2316.4	3474.5	5069.3	6832.4	9033.0	11154.9	13481.4	15628.2	17680.3	19819.1	21669.6
-42.5°	1401.1	2229.9	3171.6	4503.8	5975.0	7603.8	9415.7	11115.1	12595.1	14058.7	15392.9
-45°	836.1	1305.6	1872.4	2734.1	3609.5	4841.2	6066.7	7184.8	8414.4	9483.8	10372.1
-47.5°	516.8	704.0	1079.6	1515.6	2069.1	2850.6	3613.2	4343.5	5206.4	5976.5	6613.6
-50°	336.2	419.2	592.8	781.7	1134.7	1541.9	1947.0	2417.3	2949.1	3419.3	3795.1
-52.5°	266.7	305.1	345.6	413.1	583.8	768.7	961.2	1241.4	1524.2	1782.6	1982.0
-55°	219.7	242.7	264.2	297.6	334.2	369.6	427.3	572.3	706.9	829.5	923.9
-57.5°	180.1	196.7	214.0	233.7	253.2	272.4	299.0	330.5	360.8	387.9	395.8
-60°	147.5	157.6	171.9	186.1	199.1	211.2	230.0	248.4	265.3	279.5	287.5
-62.5°	122.2	129.7	139.0	148.2	157.2	167.0	179.3	191.7	203.9	215.2	224.7
-65°	104.1	108.8	114.1	119.4	124.8	132.2	140.1	147.6	154.7	161.2	167.1
-67.5°	85.5	89.8	93.8	97.6	101.4	105.5	110.1	114.6	118.9	122.7	125.9
-70°	67.7	71.3	74.3	76.9	79.7	82.7	85.8	88.6	91.0	92.9	94.4
-72.5°	52.4	54.8	57.3	60.1	62.4	64.5	66.6	68.4	69.9	70.9	71.7
-75°	40.9	43.0	45.1	47.1	48.9	50.4	51.9	53.3	54.6	55.3	55.8
-77.5°	30.8	32.3	33.9	35.3	36.8	38.1	39.2	40.2	41.0	41.5	41.8
-80°	22.1	23.1	24.0	24.9	25.7	26.6	27.5	28.3	29.1	29.4	29.5
-82.5°	17.1	17.2	17.3	17.4	17.6	17.7	17.9	18.1	18.3	18.6	18.8
-85°	13.9	13.7	13.3	13.0	12.7	12.1	11.6	11.0	10.3	10.4	10.4
-87.5°	9.4	9.3	9.1	8.9	8.7	8.2	7.7	7.1	6.5	5.8	5.2
-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: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

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°	3.8	2.9	2.9	2.9	2.9	2.9	3.8	4.7	5.6	6.5	7.1
85°	8.8	8.6	8.6	8.6	8.6	8.6	8.8	9.0	9.2	9.4	10.1
82.5°	17.1	17.2	17.3	17.3	17.3	17.2	17.1	16.9	16.7	16.5	16.1
80°	27.4	27.6	27.8	27.8	27.8	27.6	27.4	27.2	26.8	26.3	25.4
77.5°	37.9	38.2	37.9	37.4	37.9	38.2	37.9	37.6	37.1	36.5	35.6
75°	49.3	49.6	50.3	50.8	50.3	49.6	49.3	48.8	48.2	47.4	46.3
72.5°	65.2	65.8	66.5	67.1	66.5	65.8	65.2	64.4	63.4	62.1	60.2
70°	81.3	82.0	82.4	82.5	82.4	82.0	81.3	80.4	79.3	77.6	75.3
67.5°	98.7	99.2	99.6	99.8	99.6	99.2	98.7	97.8	96.5	94.4	91.4
65°	122.7	123.7	124.4	124.7	124.4	123.7	122.7	121.3	119.3	116.1	111.8
62.5°	151.7	153.1	152.4	150.6	152.4	153.1	151.7	149.7	146.9	142.6	137.1
60°	192.7	196.2	197.2	196.6	197.2	196.2	192.7	188.4	183.2	176.7	169.0
57.5°	317.3	348.5	364.1	369.3	364.1	348.5	317.3	286.2	256.8	236.3	217.6
55°	537.8	620.4	673.2	703.1	673.2	620.4	537.8	456.2	381.1	336.4	294.7
52.5°	873.2	1045.4	1170.3	1251.8	1170.3	1045.4	873.2	705.5	563.5	483.6	407.3
50°	1157.5	1361.9	1496.2	1563.5	1496.2	1361.9	1157.5	950.0	777.9	668.5	560.3
47.5°	1290.1	1475.1	1601.7	1666.1	1601.7	1475.1	1290.1	1098.2	952.5	846.2	730.0
45°	1332.4	1482.7	1589.0	1640.2	1589.0	1482.7	1332.4	1172.2	1069.9	981.9	876.0
42.5°	1380.1	1469.0	1521.6	1529.9	1521.6	1469.0	1380.1	1268.2	1183.0	1102.7	1017.1
40°	1552.2	1663.2	1749.3	1786.0	1749.3	1663.2	1552.2	1436.1	1333.7	1219.4	1123.5
37.5°	2171.3	2356.9	2481.5	2503.5	2481.5	2356.9	2171.3	1945.8	1695.7	1416.2	1297.6
35°	3705.4	4087.9	4361.2	4516.9	4361.2	4087.9	3705.4	3226.3	2657.0	2086.6	1785.2
32.5°	3691.6	3610.1	3562.2	3548.1	3562.2	3610.1	3691.6	3827.3	3942.7	3659.9	2926.8
30°	3379.2	3277.1	3151.5	3147.2	3151.5	3277.1	3379.2	3683.9	3658.4	4119.7	4298.1
27.5°	5542.0	5378.3	4960.3	4992.7	4960.3	5378.3	5542.0	5717.1	4971.4	6045.6	5699.2
25°	12914.0	12972.2	12635.1	11621.7	12635.1	12972.2	12914.0	12342.7	11675.6	11643.4	10873.9
22.5°	25643.1	26370.4	27450.7	27677.9	27450.7	26370.4	25643.1	24170.5	23025.5	21218.9	20005.4
20°	42707.7	44733.4	47507.0	48422.7	47507.0	44733.4	42707.7	39546.3	36818.9	33421.9	30640.0
17.5°	64857.8	71372.9	76864.8	76781.6	76864.8	71372.9	64857.8	56662.7	51376.0	46023.8	41755.8
15°	106979.6	134577.9	155570.6	163737.5	155570.6	134577.9	106979.6	78760.7	66333.9	57818.4	52066.0
12.5°	196651.6	277008.9	330445.8	365445.8	330445.8	277008.9	196651.6	131861.0	82319.7	69418.6	60847.8
10°	375400.7	499195.7	564541.7	598811.6	564541.7	499195.7	375400.7	231985.5	133527.1	82865.1	66845.8
7.5°	548603.0	640474.8	684295.4	694934.7	684295.4	640474.8	548603.0	371868.4	198214.1	111997.4	76205.8
5°	640754.4	697735.6	705843.0	707751.6	705843.0	697735.6	640754.4	491308.8	283396.4	143077.3	83799.1
2.5°	675619.0	699960.0	695856.0	693688.7	695856.0	699960.0	675619.0	545358.3	326989.9	157229.9	88185.7
0°	665475.1	695824.8	686568.5	683818.4	686568.5	695824.8	665475.1	525651.0	305992.2	158817.8	91658.9
-2.5°	612526.4	674486.4	678494.9	678024.3	678494.9	674486.4	612526.4	449508.2	247949.2	142467.2	92838.7
-5°	510198.2	608542.4	641357.1	649721.5	641357.1	608542.4	510198.2	323637.5	182725.1	124251.4	91286.6
-7.5°	356944.0	475708.1	534614.1	552886.3	534614.1	475708.1	356944.0	217006.9	136729.4	106289.1	88476.7
-10°	198234.3	293269.7	358537.0	383780.5	358537.0	293269.7	198234.3	135963.4	112345.6	95002.0	86385.6
-12.5°	128463.7	156035.2	182031.8	191594.4	182031.8	156035.2	128463.7	112306.0	98109.3	92329.7	88861.9
-15°	110902.9	119358.8	124585.4	126297.8	124585.4	119358.8	110902.9	101954.0	96460.6	92989.9	91257.2
-17.5°	103865.9	106961.8	109181.5	111178.8	109181.5	106961.8	103865.9	99761.4	97576.8	95392.8	94157.2
-20°	102104.5	103974.1	104861.9	105698.8	104861.9	103974.1	102104.5	100411.8	98757.3	97290.3	95196.0



REPORT NUMBER: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	100852.2	101963.2	102771.3	103664.3	102771.3	101963.2	100852.2	99810.6	98344.9	96744.4	94111.4
-25°	98495.5	99365.6	100025.2	100803.0	100025.2	99365.6	98495.5	97532.3	96144.5	93902.5	90686.2
-27.5°	94804.4	95648.0	96130.8	96770.5	96130.8	95648.0	94804.4	93690.2	92248.8	86744.6	80659.7
-30°	87612.4	89750.8	90994.6	92297.7	90994.6	89750.8	87612.4	84522.1	80424.2	72910.2	63349.7
-32.5°	72987.2	76305.5	78310.3	79398.3	78310.3	76305.5	72987.2	68006.1	61429.2	53640.6	44789.2
-35°	52524.4	55538.3	57404.9	59153.3	57404.9	55538.3	52524.4	47876.3	41780.3	35315.9	30241.2
-37.5°	34045.8	35832.5	36963.0	37755.3	36963.0	35832.5	34045.8	31430.7	28031.5	24032.7	21256.2
-40°	23315.2	24609.3	25431.7	25626.2	25431.7	24609.3	23315.2	21669.6	19819.1	17680.3	15628.2
-42.5°	16725.8	17852.7	18603.4	18825.4	18603.4	17852.7	16725.8	15392.9	14058.7	12595.1	11115.1
-45°	11167.7	11822.9	12216.5	12277.8	12216.5	11822.9	11167.7	10372.1	9483.8	8414.4	7184.8
-47.5°	7098.5	7459.9	7697.9	7809.9	7697.9	7459.9	7098.5	6613.6	5976.5	5206.4	4343.5
-50°	4086.5	4306.8	4462.1	4548.6	4462.1	4306.8	4086.5	3795.1	3419.3	2949.1	2417.3
-52.5°	2134.5	2246.4	2321.2	2358.7	2321.2	2246.4	2134.5	1982.0	1782.6	1524.2	1241.4
-55°	1004.1	1068.3	1100.7	1104.0	1100.7	1068.3	1004.1	923.9	829.5	706.9	572.3
-57.5°	398.2	395.8	394.4	392.3	394.4	395.8	398.2	395.8	387.9	360.8	330.5
-60°	293.1	296.6	300.2	303.1	300.2	296.6	293.1	287.5	279.5	265.3	248.4
-62.5°	232.9	239.9	243.3	244.6	243.3	239.9	232.9	224.7	215.2	203.9	191.7
-65°	172.4	177.1	178.9	179.4	178.9	177.1	172.4	167.1	161.2	154.7	147.6
-67.5°	128.7	131.0	132.1	132.4	132.1	131.0	128.7	125.9	122.7	118.9	114.6
-70°	95.5	96.2	96.7	96.9	96.7	96.2	95.5	94.4	92.9	91.0	88.6
-72.5°	72.2	72.5	72.8	72.9	72.8	72.5	72.2	71.7	70.9	69.9	68.4
-75°	56.1	56.3	56.5	56.6	56.5	56.3	56.1	55.8	55.3	54.6	53.3
-77.5°	41.9	42.0	42.1	42.2	42.1	42.0	41.9	41.8	41.5	41.0	40.2
-80°	29.6	29.5	29.7	29.7	29.7	29.5	29.6	29.5	29.4	29.1	28.3
-82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	18.1
-85°	10.5	10.5	10.6	10.6	10.6	10.5	10.5	10.4	10.4	10.3	11.0
-87.5°	4.5	3.8	3.8	3.8	3.8	3.8	4.5	5.2	5.8	6.5	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: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

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°	7.7	8.2	8.7	9.2	9.6	9.9	10.2	10.3	10.3	10.3	10.2
85°	10.7	11.4	12.0	12.6	13.2	13.7	14.3	14.7	15.0	15.3	15.6
82.5°	15.7	15.5	15.3	15.8	16.3	16.7	17.1	17.3	17.5	17.6	17.8
80°	24.4	23.3	22.3	21.9	21.6	21.3	21.1	20.9	20.6	20.5	20.5
77.5°	34.5	33.2	31.9	30.8	29.6	28.3	27.0	26.2	25.8	25.3	24.8
75°	45.1	43.7	42.3	40.9	39.4	37.9	36.2	34.6	33.0	31.5	30.1
72.5°	58.2	56.1	53.8	51.5	48.9	46.8	44.9	43.1	41.1	38.8	36.7
70°	72.9	70.2	67.6	64.9	62.0	58.9	56.1	53.2	49.9	47.0	44.5
67.5°	88.2	84.7	81.8	79.0	76.0	72.5	69.3	65.9	62.4	58.5	54.0
65°	107.1	101.9	96.9	93.3	89.6	86.0	83.2	79.7	75.6	71.0	65.9
62.5°	131.2	124.7	118.5	112.4	106.1	99.9	95.2	91.6	88.0	83.9	78.2
60°	160.3	150.7	143.5	135.7	127.1	118.6	112.2	105.6	98.7	94.1	89.2
57.5°	200.6	187.6	176.7	165.0	152.5	142.3	132.9	123.0	114.7	106.7	98.7
55°	257.7	235.9	218.6	201.4	185.6	173.0	158.3	144.4	133.5	122.0	112.8
52.5°	339.2	307.0	276.5	245.2	224.8	209.1	191.8	174.6	156.2	142.6	129.1
50°	466.7	415.8	362.6	313.1	282.3	252.5	230.0	209.4	187.7	167.4	149.4
47.5°	627.1	555.6	483.4	420.0	366.3	314.3	280.5	246.9	222.6	195.8	173.9
45°	789.2	709.6	623.1	549.5	479.9	414.6	347.7	300.7	262.4	231.2	199.4
42.5°	937.1	861.1	777.1	692.4	613.9	533.0	449.3	374.8	313.2	270.7	235.7
40°	1048.8	976.1	898.1	829.7	744.6	660.6	568.5	469.2	386.9	317.6	275.4
37.5°	1172.5	1050.1	995.6	931.9	854.7	777.5	689.2	584.6	473.4	390.3	323.6
35°	1447.9	1248.5	1123.0	1030.7	953.4	894.6	809.0	699.9	589.4	484.6	385.6
32.5°	2074.2	1784.2	1375.8	1212.1	1095.5	1025.7	933.5	819.2	735.1	611.9	479.3
30°	3948.7	3181.2	2215.4	1611.1	1385.8	1194.1	1072.4	1016.4	914.2	762.8	587.2
27.5°	6587.9	6251.7	4605.6	3081.0	1955.9	1521.4	1349.5	1262.8	1126.3	944.6	739.7
25°	11468.1	10663.0	9600.7	6986.9	3943.6	2148.2	1825.1	1594.8	1389.8	1159.3	934.5
22.5°	18891.0	17878.4	16228.5	13144.1	8204.9	4681.8	2640.9	1993.9	1720.5	1482.8	1184.4
20°	28189.5	26334.8	24033.9	20447.4	15191.7	8024.9	4206.6	2847.1	2325.0	1886.4	1472.5
17.5°	38377.8	35457.2	32132.0	28221.7	22546.6	14574.0	7702.7	4240.9	3099.4	2345.5	1789.3
15°	47988.2	44083.6	40192.8	35740.3	29950.7	21720.2	11574.2	5896.1	4122.1	2957.5	2201.2
12.5°	55528.4	51676.0	47878.2	43022.1	37370.7	28586.2	17159.8	9180.5	5540.0	3877.3	2755.3
10°	61307.0	57603.3	53884.3	49340.7	43748.8	35126.5	22923.4	12316.1	7168.9	4961.6	3353.4
7.5°	65734.0	61756.2	58854.2	54967.6	49575.9	41198.1	28144.3	15106.6	8751.5	6099.9	3972.3
5°	69239.4	65031.0	62660.5	59647.6	54965.0	46809.1	32855.8	17523.3	10254.9	7240.4	4586.2
2.5°	72168.0	67833.8	65817.1	63632.0	59799.5	51441.1	36480.4	19705.5	11634.7	8196.8	5151.0
0°	74990.8	70413.4	68652.3	66861.5	63534.0	54340.0	38563.0	21612.8	12866.8	9008.9	5652.6
-2.5°	77308.6	73062.4	71683.0	70136.6	66829.2	57004.1	40318.6	22764.0	13501.5	9392.9	5976.5
-5°	78862.7	75755.2	74631.4	73116.3	69063.2	58216.7	40651.1	23196.8	13833.1	9563.7	6194.7
-7.5°	81046.6	78784.1	77688.4	75900.8	70480.7	57927.2	39528.1	22802.9	13737.5	9334.0	6051.2
-10°	83485.4	82204.1	81005.6	78401.6	70910.8	56043.1	37016.3	21636.3	13300.5	8918.1	5783.2
-12.5°	86831.1	85538.9	83992.0	80556.6	70106.0	52040.5	32769.1	19572.6	12485.0	8311.3	5384.4
-15°	90297.3	88429.4	85366.7	78537.1	65352.3	46295.6	27638.9	16524.5	11287.7	7521.0	4848.5
-17.5°	92230.4	89807.4	85375.2	74859.0	57556.3	38757.8	23725.4	14896.4	10154.7	6691.3	4205.1
-20°	92791.6	89073.1	80022.9	65906.2	47984.8	29893.6	19042.2	13017.3	8938.6	5866.6	3648.1



REPORT NUMBER: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	90992.8	82626.0	70918.5	54451.1	36943.7	24283.9	15978.4	11110.2	7496.7	4859.9	2997.5
-25°	82822.8	72310.9	57902.4	41726.9	27987.0	18532.8	13360.8	9415.3	6290.4	3909.8	2303.2
-27.5°	69764.5	57323.7	43457.6	30350.3	20921.5	15355.2	10983.0	7577.8	4920.0	3071.2	1822.5
-30°	52556.9	40580.2	30528.5	22031.9	16831.7	12360.0	8688.4	5925.0	3787.0	2244.6	1322.3
-32.5°	34883.2	28314.4	21432.4	17396.9	13327.8	9693.8	6772.1	4314.2	2669.1	1661.5	996.5
-35°	24593.0	20364.2	16723.8	13386.2	10104.5	7349.2	4904.0	3110.8	1892.4	1112.2	706.6
-37.5°	18285.2	15354.7	12613.1	9805.9	7405.1	5209.9	3449.4	2166.1	1209.5	773.1	525.5
-40°	13481.4	11154.9	9033.0	6832.4	5069.3	3474.5	2316.4	1350.5	850.8	511.1	401.2
-42.5°	9415.7	7603.8	5975.0	4503.8	3171.6	2229.9	1401.1	894.7	550.2	394.0	322.8
-45°	6066.7	4841.2	3609.5	2734.1	1872.4	1305.6	836.1	557.5	389.9	317.5	265.8
-47.5°	3613.2	2850.6	2069.1	1515.6	1079.6	704.0	516.8	355.9	309.7	263.6	229.0
-50°	1947.0	1541.9	1134.7	781.7	592.8	419.2	336.2	292.7	255.2	223.8	194.7
-52.5°	961.2	768.7	583.8	413.1	345.6	305.1	266.7	240.4	212.4	188.9	167.0
-55°	427.3	369.6	334.2	297.6	264.2	242.7	219.7	197.7	178.7	158.9	144.8
-57.5°	299.0	272.4	253.2	233.7	214.0	196.7	180.1	163.3	150.1	137.5	125.7
-60°	230.0	211.2	199.1	186.1	171.9	157.6	147.5	137.2	126.6	119.3	112.3
-62.5°	179.3	167.0	157.2	148.2	139.0	129.7	122.2	116.3	110.3	104.1	96.9
-65°	140.1	132.2	124.8	119.4	114.1	108.8	104.1	98.9	93.2	87.0	80.3
-67.5°	110.1	105.5	101.4	97.6	93.8	89.8	85.5	80.7	75.7	70.3	64.2
-70°	85.8	82.7	79.7	76.9	74.3	71.3	67.7	63.5	59.0	55.1	51.5
-72.5°	66.6	64.5	62.4	60.1	57.3	54.8	52.4	49.9	47.1	44.1	41.2
-75°	51.9	50.4	48.9	47.1	45.1	43.0	40.9	38.9	36.9	34.7	32.4
-77.5°	39.2	38.1	36.8	35.3	33.9	32.3	30.8	29.3	28.0	26.8	25.6
-80°	27.5	26.6	25.7	24.9	24.0	23.1	22.1	21.4	20.8	20.4	20.3
-82.5°	17.9	17.7	17.6	17.4	17.3	17.2	17.1	17.1	17.1	17.0	16.9
-85°	11.6	12.1	12.7	13.0	13.3	13.7	13.9	14.1	14.2	14.4	14.6
-87.5°	7.7	8.2	8.7	8.9	9.1	9.3	9.4	9.5	9.5	9.5	9.5
-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: P700008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5L-S

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°	9.9	9.5	9.2	8.8	8.4	7.9	7.4	6.9	6.3	5.7	5.1
85°	15.7	15.8	15.9	15.9	15.8	15.8	14.8	13.8	12.7	11.5	10.2
82.5°	17.9	18.0	18.1	18.1	17.9	17.7	17.5	17.3	17.1	16.9	15.4
80°	20.7	20.8	20.8	20.6	20.1	19.7	19.3	18.9	18.6	18.2	17.8
77.5°	24.3	24.0	23.6	23.4	22.7	22.0	21.3	20.6	20.0	19.5	19.0
75°	28.7	27.9	27.2	26.5	25.4	24.4	23.5	22.6	21.7	20.8	20.1
72.5°	34.9	33.1	31.4	29.7	28.5	27.2	25.9	24.6	23.5	22.4	21.3
70°	41.8	39.0	36.6	34.3	32.1	30.0	28.5	26.9	25.3	24.0	22.7
67.5°	49.3	46.1	42.8	39.2	36.3	33.7	31.2	29.3	27.4	25.6	24.1
65°	60.7	55.2	49.5	45.4	41.3	37.4	34.5	31.8	29.5	27.5	25.4
62.5°	72.2	66.1	59.7	52.6	47.0	42.3	37.8	34.7	31.7	29.3	27.0
60°	83.8	77.0	70.1	62.8	54.6	47.5	42.3	37.5	34.2	31.1	28.5
57.5°	93.2	87.4	80.4	72.7	64.2	54.8	47.1	41.4	36.6	33.1	30.1
55°	103.1	95.9	89.9	82.4	73.7	63.9	53.1	45.7	39.3	35.1	31.6
52.5°	116.9	106.0	97.6	91.0	82.6	72.7	61.2	49.9	43.1	37.1	33.3
50°	133.6	119.1	107.0	97.9	90.9	80.8	69.1	56.7	46.9	39.4	35.0
47.5°	153.2	135.1	119.1	105.8	97.0	88.9	76.6	63.5	50.5	42.7	36.6
45°	177.1	153.4	133.2	116.8	103.2	95.3	84.1	70.1	56.4	46.0	38.2
42.5°	203.4	176.1	150.0	127.7	112.8	101.0	91.5	76.8	62.0	49.3	40.6
40°	238.1	202.0	168.8	143.6	122.9	106.9	97.0	83.4	67.4	53.1	43.4
37.5°	274.0	232.7	193.7	159.8	134.1	115.9	102.3	90.0	73.0	57.9	46.1
35°	319.1	266.4	219.3	180.2	149.0	124.6	107.5	95.7	78.9	62.5	48.7
32.5°	365.1	303.0	249.8	203.3	164.0	132.9	114.0	100.3	84.4	66.9	51.2
30°	446.0	346.4	280.0	225.7	180.5	145.8	121.3	104.8	89.6	71.0	53.9
27.5°	552.5	391.0	311.7	251.0	200.1	158.7	128.3	109.2	94.6	75.1	57.3
25°	686.3	478.0	351.6	276.7	218.9	170.7	135.0	113.5	98.5	79.1	60.5
22.5°	869.3	588.1	391.5	301.2	235.5	181.9	143.2	119.0	102.0	82.9	63.4
20°	1066.7	705.6	432.8	325.7	253.2	195.6	152.4	124.2	105.2	86.3	66.1
17.5°	1282.9	860.6	532.0	362.3	271.1	208.1	160.7	129.0	108.2	89.3	68.6
15°	1590.7	1059.5	645.6	401.4	287.6	219.3	168.1	133.4	111.1	92.1	70.7
12.5°	1936.4	1264.8	761.2	442.0	302.4	229.3	174.6	137.3	113.6	94.8	72.6
10°	2299.4	1470.7	875.4	482.5	315.4	237.8	180.0	141.6	116.7	97.4	74.2
7.5°	2666.1	1670.8	984.6	521.5	327.6	246.6	188.8	147.4	119.6	99.7	75.5
5°	3028.3	1876.7	1100.5	575.9	344.2	255.6	197.4	152.8	122.3	101.7	76.5
2.5°	3389.8	2092.8	1213.3	629.7	358.9	262.9	205.2	157.7	124.6	103.3	77.2
0°	3708.3	2282.9	1309.3	677.2	371.2	268.6	212.0	162.1	126.6	104.6	77.7
-2.5°	3882.5	2383.8	1352.6	710.8	387.4	276.2	218.1	165.5	127.8	104.9	77.8
-5°	3990.2	2442.1	1373.4	733.2	399.9	282.3	223.0	168.1	128.5	104.8	77.7
-7.5°	3880.9	2369.1	1345.0	738.9	408.1	286.7	226.3	169.6	128.8	104.2	77.2
-10°	3661.7	2202.5	1256.9	709.6	412.4	287.0	227.1	170.0	128.5	103.1	76.4
-12.5°	3362.4	1999.9	1154.7	674.5	409.5	282.7	220.6	166.7	127.5	101.7	75.3
-15°	2979.6	1763.1	1040.8	635.3	397.9	275.6	212.7	161.5	125.3	99.7	73.8
-17.5°	2513.3	1494.0	917.8	593.5	376.4	265.7	203.5	155.6	122.6	97.3	72.0
-20°	2153.5	1262.5	799.8	550.5	344.3	252.6	192.9	149.2	119.6	94.4	69.9



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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°	1784.6	1078.8	714.4	511.7	313.4	236.1	181.0	142.2	116.3	91.1	67.4
-25°	1373.5	880.6	621.3	437.8	294.0	221.7	170.1	134.8	112.6	87.3	64.6
-27.5°	1085.0	698.4	526.6	365.4	266.0	205.8	160.8	130.0	108.4	83.2	61.4
-30°	843.2	592.3	442.5	304.8	236.6	187.8	151.3	125.1	103.3	79.0	57.9
-32.5°	628.8	486.3	365.5	271.1	213.1	170.3	141.3	120.0	97.7	74.7	55.3
-35°	517.3	399.6	296.1	236.1	192.9	158.6	132.4	114.5	91.6	70.0	52.9
-37.5°	405.9	326.6	257.1	206.6	173.2	146.7	125.8	107.6	85.2	64.8	50.3
-40°	334.4	269.8	218.9	185.8	158.3	134.5	119.1	99.7	78.8	59.3	47.6
-42.5°	271.8	230.3	193.5	165.9	144.8	126.8	111.9	91.3	72.0	55.2	44.7
-45°	232.1	197.4	171.7	150.9	132.1	119.3	102.2	82.6	64.9	51.8	42.0
-47.5°	197.0	173.3	153.1	135.8	123.9	110.7	92.0	74.3	57.5	48.2	39.5
-50°	170.6	152.0	136.8	124.9	115.2	99.1	81.6	65.6	53.2	44.4	37.0
-52.5°	148.9	134.8	124.1	115.4	102.7	87.0	71.7	57.1	48.8	40.9	34.3
-55°	131.0	121.5	113.9	103.0	89.3	75.4	61.4	52.0	44.2	37.6	31.6
-57.5°	117.9	110.7	100.6	88.9	76.5	63.8	53.9	46.8	40.1	34.1	30.1
-60°	105.1	96.0	86.0	75.1	63.8	54.6	48.1	41.6	35.9	30.8	28.5
-62.5°	89.1	80.6	71.4	61.3	53.9	48.1	42.2	36.7	31.6	29.0	26.9
-65°	73.2	65.3	57.1	52.0	46.8	41.5	36.5	31.6	29.0	27.2	25.3
-67.5°	57.5	53.1	48.8	44.2	39.6	35.1	30.6	28.5	26.9	25.3	23.6
-70°	47.8	44.1	40.4	36.4	32.5	29.0	27.5	26.1	24.8	23.5	22.0
-72.5°	38.5	35.4	32.0	28.8	27.5	26.2	25.0	23.8	22.8	21.7	20.4
-75°	29.8	28.0	26.6	25.5	24.5	23.5	22.6	21.8	20.9	19.9	19.1
-77.5°	24.5	23.6	22.8	22.4	21.7	21.1	20.4	19.7	19.1	18.5	18.0
-80°	20.2	20.0	19.9	19.6	19.2	18.7	18.4	18.0	17.6	17.2	16.8
-82.5°	16.9	17.0	17.1	17.1	17.0	16.8	16.6	16.4	16.1	15.9	14.5
-85°	14.8	14.9	14.9	15.0	14.9	14.8	13.9	12.9	11.9	10.8	9.6
-87.5°	9.2	8.9	8.6	8.3	7.9	7.4	7.0	6.5	5.9	5.4	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	3.7	3.0	2.3	1.5	0.8	0.0
85°	8.9	7.5	6.0	4.5	3.0	1.5	0.0
82.5°	13.4	11.2	9.0	6.8	4.5	2.3	0.0
80°	17.4	14.9	12.0	9.0	6.0	3.0	0.0
77.5°	18.4	17.6	14.9	11.2	7.5	3.7	0.0
75°	19.3	18.4	17.4	13.4	8.9	4.5	0.0
72.5°	20.3	19.2	18.0	15.6	10.4	5.2	0.0
70°	21.3	20.0	18.7	17.4	11.8	5.9	0.0
67.5°	22.4	20.7	19.3	17.9	13.2	6.6	0.0
65°	23.6	21.6	19.9	18.3	14.6	7.3	0.0
62.5°	24.7	22.5	20.5	18.8	16.0	8.0	0.0
60°	25.8	23.4	21.1	19.2	17.3	8.6	0.0
57.5°	27.1	24.3	21.8	19.6	17.6	9.3	0.0
55°	28.4	25.2	22.5	20.0	17.9	9.9	0.0
52.5°	29.7	26.1	23.2	20.4	18.1	10.5	0.0
50°	31.0	27.1	23.8	20.8	18.4	11.1	0.0
47.5°	32.2	28.2	24.4	21.2	18.6	11.7	0.0
45°	33.6	29.2	25.0	21.7	18.9	12.2	0.0
42.5°	35.0	30.2	25.6	22.1	19.1	12.8	0.0
40°	36.3	31.1	26.3	22.5	19.3	13.3	0.0
37.5°	37.6	32.1	27.0	22.9	19.5	13.7	0.0
35°	38.8	33.0	27.7	23.3	19.7	14.2	0.0
32.5°	40.3	34.0	28.4	23.6	19.9	14.6	0.0
30°	42.3	34.9	29.0	24.0	20.1	15.0	0.0
27.5°	44.2	35.8	29.5	24.3	20.2	15.3	0.0
25°	46.0	36.6	30.1	24.5	20.4	15.7	0.0
22.5°	47.7	37.3	30.5	24.8	20.5	16.0	0.0
20°	49.3	38.0	31.0	25.0	20.6	16.3	0.0
17.5°	50.7	38.7	31.3	25.2	20.7	16.5	0.0
15°	51.9	39.2	31.7	25.4	20.8	16.7	0.0
12.5°	52.9	39.7	32.0	25.6	20.9	16.9	0.0
10°	53.8	40.2	32.2	25.7	21.0	17.0	0.0
7.5°	54.5	40.5	32.4	25.8	21.0	17.2	0.0
5°	55.0	40.8	32.5	25.8	21.1	17.2	0.0
2.5°	55.4	41.1	32.6	25.9	21.1	17.3	0.0
0°	55.6	41.2	32.6	25.9	21.1	17.3	0.0
-2.5°	55.6	41.3	32.6	25.9	21.1	17.3	0.0
-5°	55.5	41.3	32.5	25.8	21.1	17.2	0.0
-7.5°	55.2	41.1	32.4	25.8	21.0	17.2	0.0
-10°	54.8	40.9	32.2	25.7	21.0	17.0	0.0
-12.5°	54.2	40.6	32.0	25.6	20.9	16.9	0.0
-15°	53.4	40.3	31.7	25.4	20.8	16.7	0.0
-17.5°	52.4	39.8	31.3	25.2	20.7	16.5	0.0
-20°	51.3	39.2	31.0	25.0	20.6	16.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.0	38.5	30.5	24.8	20.5	16.0	0.0
-25°	48.5	37.6	30.1	24.5	20.4	15.7	0.0
-27.5°	46.9	36.7	29.5	24.3	20.2	15.3	0.0
-30°	45.1	35.6	29.0	24.0	20.1	15.0	0.0
-32.5°	43.1	34.5	28.4	23.6	19.9	14.6	0.0
-35°	41.5	33.2	27.7	23.3	19.7	14.2	0.0
-37.5°	39.9	32.1	27.0	22.9	19.5	13.7	0.0
-40°	38.2	31.1	26.3	22.5	19.3	13.3	0.0
-42.5°	36.4	30.2	25.6	22.1	19.1	12.8	0.0
-45°	34.4	29.2	25.0	21.6	18.9	12.2	0.0
-47.5°	32.3	28.2	24.4	21.2	18.6	11.7	0.0
-50°	31.0	27.1	23.7	20.7	18.4	11.1	0.0
-52.5°	29.7	26.1	23.0	20.3	18.1	10.5	0.0
-55°	28.4	25.1	22.2	19.9	17.9	9.9	0.0
-57.5°	27.1	24.1	21.5	19.5	17.6	9.3	0.0
-60°	25.8	23.1	20.7	19.0	17.3	8.6	0.0
-62.5°	24.5	22.1	20.1	18.6	16.0	8.0	0.0
-65°	23.1	21.0	19.5	18.1	14.6	7.3	0.0
-67.5°	21.8	20.1	18.9	17.7	13.2	6.6	0.0
-70°	20.4	19.3	18.2	17.2	11.8	5.9	0.0
-72.5°	19.4	18.5	17.6	15.4	10.4	5.2	0.0
-75°	18.4	17.7	16.9	13.2	8.9	4.5	0.0
-77.5°	17.4	16.9	14.5	11.1	7.5	3.7	0.0
-80°	16.4	14.3	11.6	8.9	6.0	3.0	0.0
-82.5°	12.6	10.7	8.7	6.7	4.5	2.3	0.0
-85°	8.4	7.2	5.8	4.4	3.0	1.5	0.0
-87.5°	4.2	3.6	2.9	2.2	1.5	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)