

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: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-4S-S**

Issue Date: 8/10/2023

Test Information

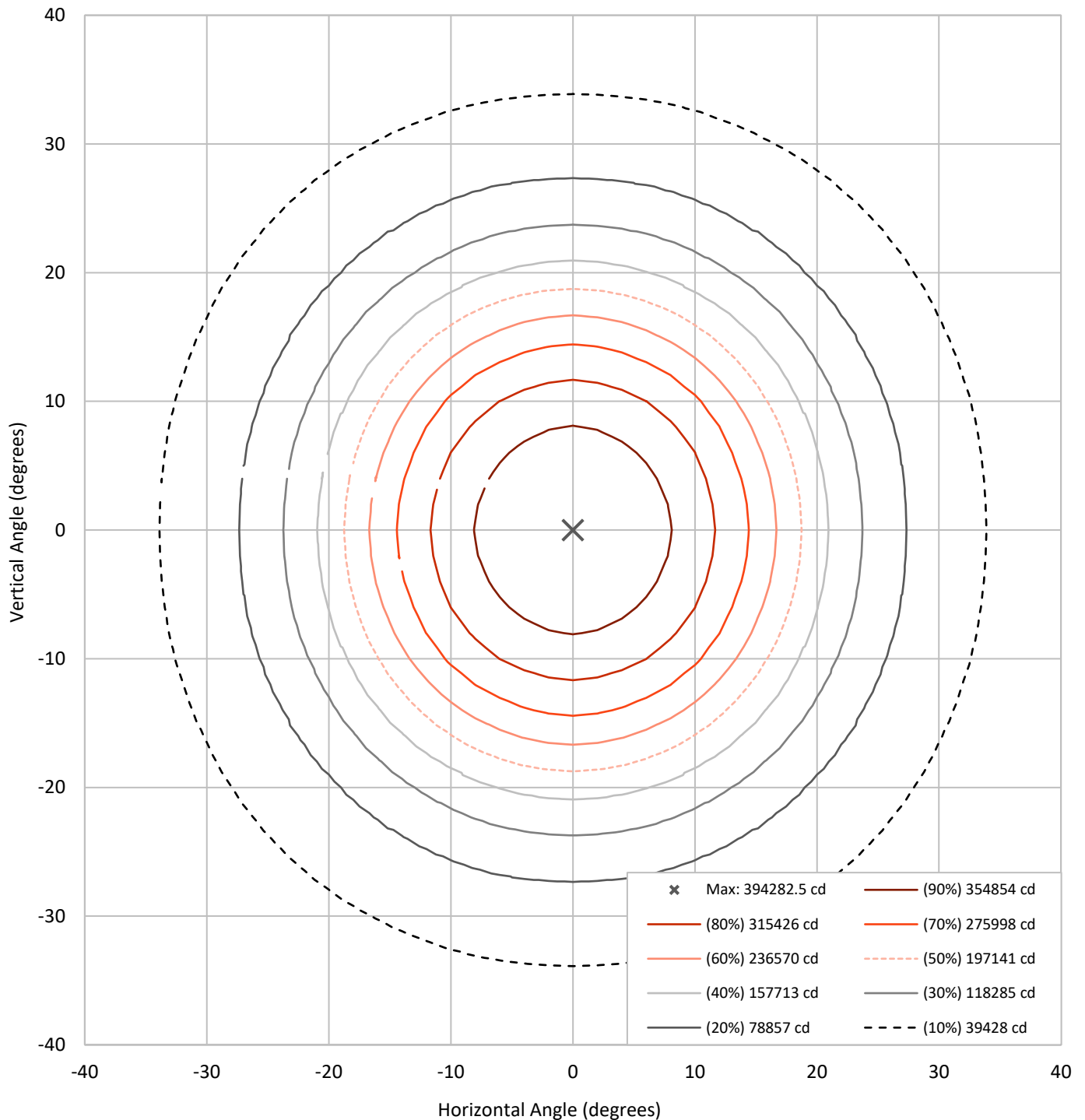
Test Method: LM-79-08
Report Number: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-12)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-16-1200R-57-80-4S-S
Description: EPHESUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	188159.1 lumens	Max Intensity:	394282.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.2 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	37.5°H x 37.5°V	Field Angle (10%):	67.8°H x 67.8°V
Beam Lumens:	95728 lumens	Field Lumens:	165543.7 lumens
Beam Efficiency:	50.9%	Field Efficiency:	88.0%
Input Watts (W):	1244.6		
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





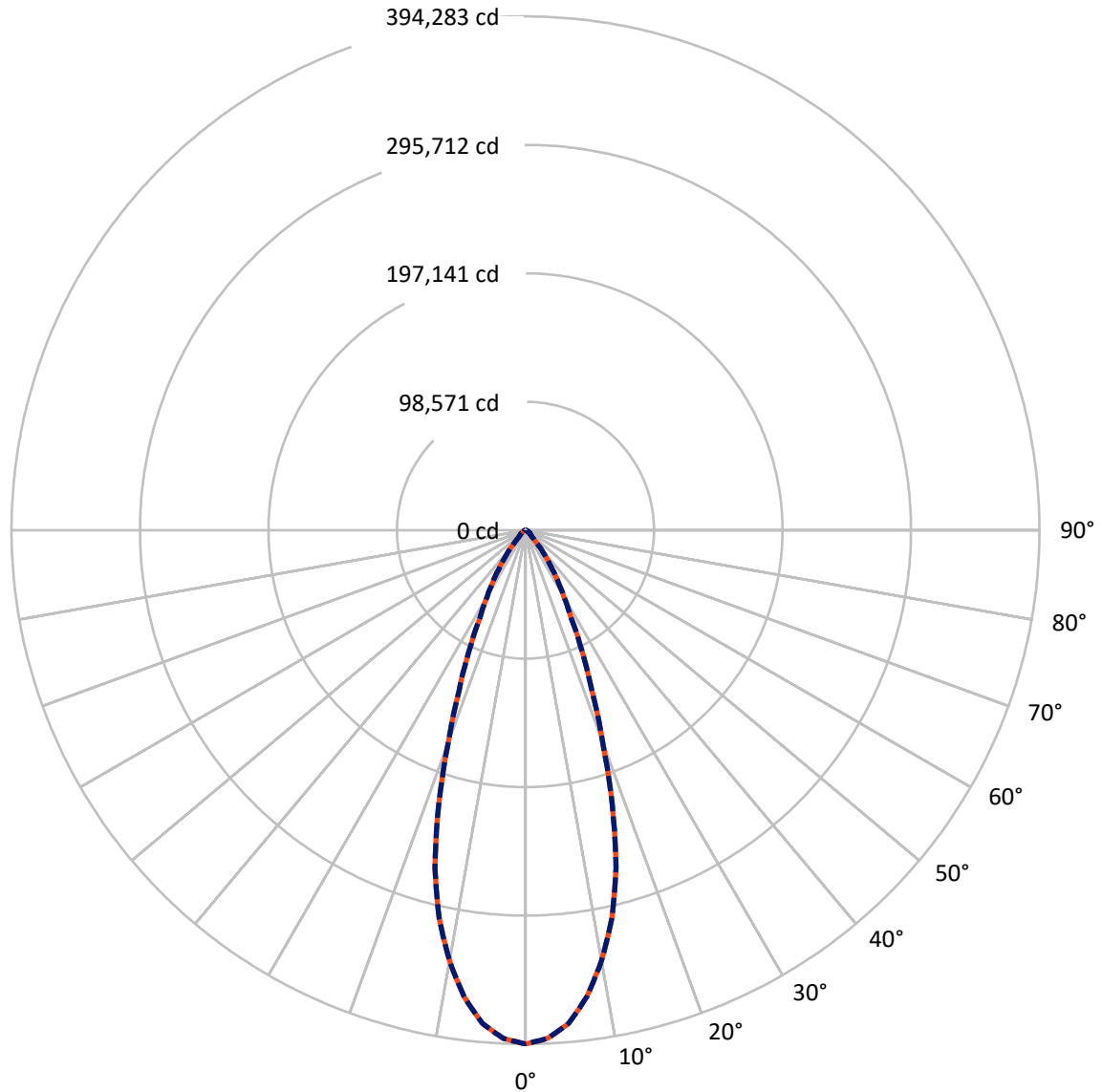
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Lumen Table

90																			
80	0.1	1.2		6.1		15.5		20.3		15.5		6.1		1.2		0.1			
70																			
60	0.6	1.0	4.0	11.1	22.3	35.0	46.0	52.2	52.2	46.0	35.0	22.3	11.1	4.0	1.0	0.6			
50		3.0	12.9	32.8	59.1	84.6	104.4	115.5	115.5	104.4	84.6	59.1	32.8	12.9	3.0				
40	2.1	6.9	26.8	60.4	98.0	139.6	194.2	245.4	245.4	194.2	139.6	98.0	60.4	26.8	6.9	2.1			
30		11.9	41.8	84.8	149.4	355.1	735.8	1030.9	1030.9	735.8	355.1	149.4	84.8	41.8	11.9				
20	4.6	16.9	54.1	109.5	323.1	1002.0	2035.1	3035.1	3035.1	2035.1	1002.0	323.1	109.5	54.1	16.9	4.6			
10		20.8	62.6	143.7	630.4	1916.6	4628.5	7410.4	7410.4	4628.5	1916.6	630.4	143.7	62.6	20.8				
0	5.7	22.9	67.2	177.0	857.1	2778.8	7200.6	10739.2	10739.2	7200.6	2778.8	857.1	177.0	67.2	22.9	5.7			
-10		22.9	67.2	177.0	857.1	2778.8	7200.6	10739.2	10739.2	7200.6	2778.8	857.1	177.0	67.2	22.9				
-20	4.6	20.8	62.6	143.7	630.4	1916.6	4628.5	7410.4	7410.4	4628.5	1916.6	630.4	143.7	62.6	20.8	4.6			
-30		16.9	54.1	109.5	323.1	1002.0	2035.1	3035.1	3035.1	2035.1	1002.0	323.1	109.5	54.1	16.9				
-40	2.1	11.9	41.8	84.8	149.4	355.1	735.8	1030.9	1030.9	735.8	355.1	149.4	84.8	41.8	11.9	2.1			
-50		6.9	26.8	60.4	98.0	139.6	194.2	245.4	245.4	194.2	139.6	98.0	60.4	26.8	6.9				
-60	0.6	3.0	12.9	32.8	59.1	84.6	104.4	115.5	115.5	104.4	84.6	59.1	32.8	12.9	3.0	0.6			
-70		1.0	4.0	11.1	22.3	35.0	46.0	52.2	52.2	46.0	35.0	22.3	11.1	4.0	1.0				
-80																			
-90	0.1	1.2		6.1		15.5		20.3		15.5		6.1		1.2		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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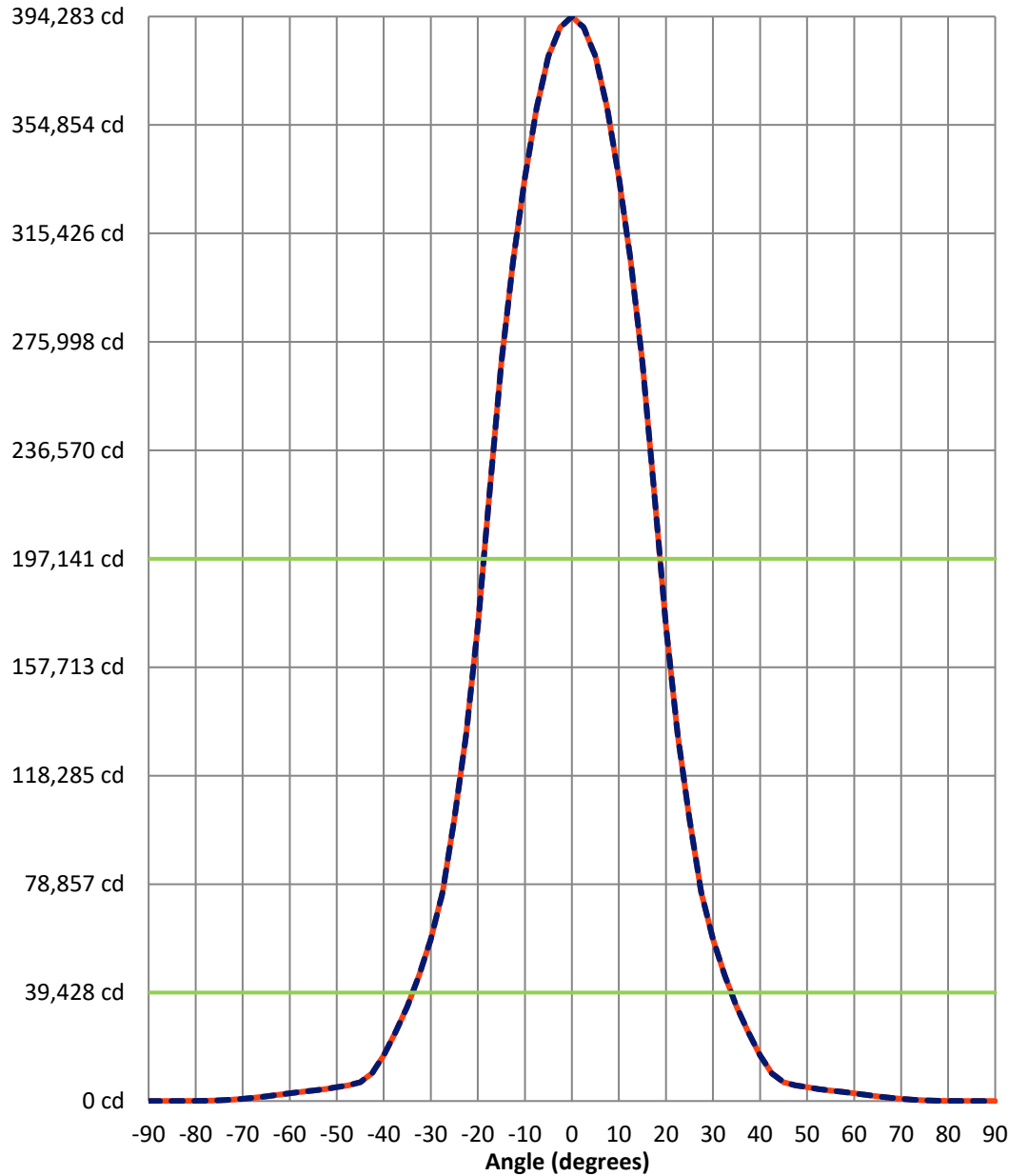
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 37.5°
 V Angle: 37.5°
 Lumens: 95728
 Efficiency: 50.9%

Field:
 H Angle: 67.8°
 V Angle: 67.8°
 Lumens: 165543.7
 Efficiency: 88.0%

Spill:
 Lumens: 22615.4
 Efficiency: 12.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.4
82.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.1	4.0	5.0
80°	0.0	0.5	1.0	1.5	2.0	2.5	3.1	4.4	5.7	7.0	8.2
77.5°	0.0	0.6	1.3	1.9	2.5	3.5	5.1	6.7	8.3	9.9	12.4
75°	0.0	0.8	1.5	2.2	3.1	5.1	7.1	9.0	11.2	15.5	19.7
72.5°	0.0	0.9	1.7	2.6	4.4	6.7	9.0	12.0	17.0	22.0	26.8
70°	0.0	1.0	2.0	3.1	5.7	8.3	11.2	17.0	22.7	28.4	35.4
67.5°	0.0	1.1	2.2	4.0	7.0	9.9	15.5	22.0	28.4	36.4	44.3
65°	0.0	1.2	2.4	5.0	8.2	12.4	19.7	26.8	35.4	44.3	59.0
62.5°	0.0	1.3	2.7	5.9	9.4	15.9	23.7	32.5	42.4	55.8	87.5
60°	0.0	1.4	2.9	6.8	10.6	19.2	27.7	38.4	49.1	81.0	115.5
57.5°	0.0	1.6	3.5	7.6	13.2	22.4	32.6	44.2	67.9	105.6	159.1
55°	0.0	1.7	4.0	8.5	15.7	25.6	37.5	49.9	89.3	134.4	209.3
52.5°	0.0	1.8	4.6	9.3	18.2	28.8	42.2	66.7	110.1	178.4	258.2
50°	0.0	1.9	5.1	10.1	20.6	32.6	46.7	84.3	135.5	221.1	328.5
47.5°	0.0	2.0	5.6	11.1	22.9	36.3	52.6	101.4	172.2	262.4	399.3
45°	0.0	2.1	6.1	12.8	25.1	39.8	66.6	117.8	207.5	323.2	467.5
42.5°	0.0	2.1	6.6	14.4	27.2	43.2	80.1	141.6	241.4	382.0	563.1
40°	0.0	2.2	7.0	15.9	29.5	46.4	92.9	169.8	279.5	438.3	659.6
37.5°	0.0	2.3	7.5	17.3	31.9	49.5	105.2	196.7	326.9	500.0	751.6
35°	0.0	2.4	7.9	18.7	34.2	56.8	116.7	222.2	371.9	578.1	847.3
32.5°	0.0	2.4	8.3	19.9	36.4	65.8	130.4	246.2	414.3	651.7	950.4
30°	0.0	2.5	8.6	21.1	38.5	74.3	149.5	271.4	454.0	720.7	1047.0
27.5°	0.0	2.6	8.9	22.2	40.3	82.1	167.3	303.5	498.2	784.9	1136.9
25°	0.0	2.6	9.2	23.3	42.1	89.3	183.6	333.0	550.4	853.7	1220.6
22.5°	0.0	2.7	9.5	24.2	43.6	95.9	198.5	359.9	598.0	921.4	1311.0
20°	0.0	2.7	9.8	25.0	45.1	101.8	212.0	384.2	640.9	982.4	1392.6
17.5°	0.0	2.8	10.0	25.8	46.3	107.0	223.9	405.8	679.1	1036.6	1465.2
15°	0.0	2.8	10.2	26.4	47.4	111.6	234.3	424.5	712.4	1083.9	1528.6
12.5°	0.0	2.8	10.3	26.9	48.4	115.5	243.1	440.5	740.7	1124.2	1582.5
10°	0.0	2.9	10.5	27.4	49.1	118.7	250.3	453.6	763.9	1157.3	1626.9
7.5°	0.0	2.9	10.6	27.7	49.7	121.2	256.0	463.9	782.1	1183.1	1661.6
5°	0.0	2.9	10.6	28.0	50.2	123.0	260.1	471.2	795.1	1201.7	1686.4
2.5°	0.0	2.9	10.7	28.1	50.4	124.0	262.5	475.6	802.9	1212.8	1701.3
0°	0.0	2.9	10.7	28.2	50.5	124.4	263.3	477.1	805.5	1216.5	1706.3
-2.5°	0.0	2.9	10.7	28.1	50.4	124.0	262.5	475.6	802.9	1212.8	1701.3
-5°	0.0	2.9	10.6	28.0	50.2	123.0	260.1	471.2	795.1	1201.7	1686.4
-7.5°	0.0	2.9	10.6	27.7	49.7	121.2	256.0	463.9	782.1	1183.1	1661.6
-10°	0.0	2.9	10.5	27.4	49.1	118.7	250.3	453.6	763.9	1157.3	1626.9
-12.5°	0.0	2.8	10.3	26.9	48.4	115.5	243.1	440.5	740.7	1124.2	1582.5
-15°	0.0	2.8	10.2	26.4	47.4	111.6	234.3	424.5	712.4	1083.9	1528.6
-17.5°	0.0	2.8	10.0	25.8	46.3	107.0	223.9	405.8	679.1	1036.6	1465.2
-20°	0.0	2.7	9.8	25.0	45.1	101.8	212.0	384.2	640.9	982.4	1392.6



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 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.7	9.5	24.2	43.6	95.9	198.5	359.9	598.0	921.4	1311.0
-25°	0.0	2.6	9.2	23.3	42.1	89.3	183.6	333.0	550.4	853.7	1220.6
-27.5°	0.0	2.6	8.9	22.2	40.3	82.1	167.3	303.5	498.2	784.9	1136.9
-30°	0.0	2.5	8.6	21.1	38.5	74.3	149.5	271.4	454.0	720.7	1047.0
-32.5°	0.0	2.4	8.3	19.9	36.4	65.8	130.4	246.2	414.3	651.7	950.4
-35°	0.0	2.4	7.9	18.7	34.2	56.8	116.7	222.2	371.9	578.1	847.3
-37.5°	0.0	2.3	7.5	17.3	31.9	49.5	105.2	196.7	326.9	500.0	751.6
-40°	0.0	2.2	7.0	15.9	29.5	46.4	92.9	169.8	279.5	438.3	659.6
-42.5°	0.0	2.1	6.6	14.4	27.2	43.2	80.1	141.6	241.4	382.0	563.1
-45°	0.0	2.1	6.1	12.8	25.1	39.8	66.6	117.8	207.5	323.2	467.5
-47.5°	0.0	2.0	5.6	11.1	22.9	36.3	52.6	101.4	172.2	262.4	399.3
-50°	0.0	1.9	5.1	10.1	20.6	32.6	46.7	84.3	135.5	221.1	328.5
-52.5°	0.0	1.8	4.6	9.3	18.2	28.8	42.2	66.7	110.1	178.4	258.2
-55°	0.0	1.7	4.0	8.5	15.7	25.6	37.5	49.9	89.3	134.4	209.3
-57.5°	0.0	1.6	3.5	7.6	13.2	22.4	32.6	44.2	67.9	105.6	159.1
-60°	0.0	1.4	2.9	6.8	10.6	19.2	27.7	38.4	49.1	81.0	115.5
-62.5°	0.0	1.3	2.7	5.9	9.4	15.9	23.7	32.5	42.4	55.8	87.5
-65°	0.0	1.2	2.4	5.0	8.2	12.4	19.7	26.8	35.4	44.3	59.0
-67.5°	0.0	1.1	2.2	4.0	7.0	9.9	15.5	22.0	28.4	36.4	44.3
-70°	0.0	1.0	2.0	3.1	5.7	8.3	11.2	17.0	22.7	28.4	35.4
-72.5°	0.0	0.9	1.7	2.6	4.4	6.7	9.0	12.0	17.0	22.0	26.8
-75°	0.0	0.8	1.5	2.2	3.1	5.1	7.1	9.0	11.2	15.5	19.7
-77.5°	0.0	0.6	1.3	1.9	2.5	3.5	5.1	6.7	8.3	9.9	12.4
-80°	0.0	0.5	1.0	1.5	2.0	2.5	3.1	4.4	5.7	7.0	8.2
-82.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.1	4.0	5.0
-85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.4
-87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2
-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: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-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°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
85°	2.7	2.9	3.5	4.0	4.6	5.1	5.6	6.1	6.6	7.0	7.5
82.5°	5.9	6.8	7.6	8.5	9.3	10.1	11.1	12.8	14.4	15.9	17.3
80°	9.4	10.6	13.2	15.7	18.2	20.6	22.9	25.1	27.2	29.5	31.9
77.5°	15.9	19.2	22.4	25.6	28.8	32.6	36.3	39.8	43.2	46.4	49.5
75°	23.7	27.7	32.6	37.5	42.2	46.7	52.6	66.6	80.1	92.9	105.2
72.5°	32.5	38.4	44.2	49.9	66.7	84.3	101.4	117.8	141.6	169.8	196.7
70°	42.4	49.1	67.9	89.3	110.1	135.5	172.2	207.5	241.4	279.5	326.9
67.5°	55.8	81.0	105.6	134.4	178.4	221.1	262.4	323.2	382.0	438.3	500.0
65°	87.5	115.5	159.1	209.3	258.2	328.5	399.3	467.5	563.1	659.6	751.6
62.5°	118.8	171.5	228.0	293.9	376.7	457.1	566.0	681.6	792.8	923.0	1050.4
60°	171.5	234.3	313.2	405.8	506.1	640.9	771.7	921.4	1073.7	1220.6	1387.1
57.5°	228.0	313.2	415.5	536.2	686.2	839.1	1016.6	1188.4	1380.5	1570.2	1757.0
55°	293.9	405.8	536.2	701.4	877.3	1074.2	1275.1	1496.2	1710.0	1940.1	2160.4
52.5°	376.7	506.1	686.2	877.3	1093.5	1321.5	1566.2	1815.4	2072.7	2322.5	2567.3
50°	457.1	640.9	839.1	1074.2	1321.5	1589.6	1868.4	2153.0	2433.7	2707.4	2960.6
47.5°	566.0	771.7	1016.6	1275.1	1566.2	1868.4	2179.9	2489.7	2792.3	3067.5	3330.5
45°	681.6	921.4	1188.4	1496.2	1815.4	2153.0	2489.7	2820.8	3121.4	3405.1	3653.0
42.5°	792.8	1073.7	1380.5	1710.0	2072.7	2433.7	2792.3	3121.4	3429.3	3702.2	3979.1
40°	923.0	1220.6	1570.2	1940.1	2322.5	2707.4	3067.5	3405.1	3702.2	4006.5	4310.9
37.5°	1050.4	1387.1	1757.0	2160.4	2567.3	2960.6	3330.5	3653.0	3979.1	4310.9	4766.2
35°	1171.3	1545.3	1950.5	2373.9	2800.9	3195.5	3555.3	3897.4	4255.2	4725.3	5196.5
32.5°	1298.7	1694.9	2133.7	2578.9	3009.4	3410.7	3767.2	4144.7	4603.2	5121.3	5581.7
30°	1426.3	1851.0	2307.5	2771.9	3204.9	3597.2	3981.4	4402.3	4963.1	5466.7	6124.4
27.5°	1545.3	1997.9	2473.1	2943.8	3383.4	3772.1	4186.7	4718.9	5277.8	5852.5	6731.6
25°	1655.2	2133.7	2626.5	3100.2	3533.6	3945.2	4400.6	5014.4	5563.3	6385.6	8116.0
22.5°	1761.6	2258.1	2767.0	3243.6	3671.6	4108.2	4653.5	5264.0	5912.0	6922.7	9617.5
20°	1863.4	2373.9	2889.4	3370.8	3796.7	4256.4	4883.8	5487.8	6332.5	8203.8	11932.4
17.5°	1954.0	2477.1	2995.4	3473.4	3916.9	4416.3	5086.8	5688.8	6711.0	9359.6	14465.3
15°	2033.1	2567.3	3088.2	3563.3	4023.7	4583.3	5249.9	5978.6	7387.8	10683.0	16729.5
12.5°	2100.5	2644.1	3167.3	3640.0	4115.1	4726.2	5389.7	6243.0	8199.0	12469.6	19216.6
10°	2156.0	2707.4	3232.5	3703.2	4190.5	4844.2	5505.2	6461.9	8871.8	13954.2	21287.8
7.5°	2199.3	2756.9	3283.5	3752.7	4249.5	4936.7	5595.9	6633.8	9400.9	15123.5	22922.3
5°	2230.4	2792.3	3320.1	3788.2	4291.9	5003.2	5661.1	6757.6	9782.0	15967.0	24102.9
2.5°	2249.1	2813.7	3342.1	3809.6	4317.4	5043.2	5700.4	6832.2	10012.0	16476.3	24816.7
0°	2255.3	2820.8	3349.4	3816.7	4325.9	5056.6	5713.5	6857.1	10088.9	16646.7	25055.6
-2.5°	2249.1	2813.7	3342.1	3809.6	4317.4	5043.2	5700.4	6832.2	10012.0	16476.3	24816.7
-5°	2230.4	2792.3	3320.1	3788.2	4291.9	5003.2	5661.1	6757.6	9782.0	15967.0	24102.9
-7.5°	2199.3	2756.9	3283.5	3752.7	4249.5	4936.7	5595.9	6633.8	9400.9	15123.5	22922.3
-10°	2156.0	2707.4	3232.5	3703.2	4190.5	4844.2	5505.2	6461.9	8871.8	13954.2	21287.8
-12.5°	2100.5	2644.1	3167.3	3640.0	4115.1	4726.2	5389.7	6243.0	8199.0	12469.6	19216.6
-15°	2033.1	2567.3	3088.2	3563.3	4023.7	4583.3	5249.9	5978.6	7387.8	10683.0	16729.5
-17.5°	1954.0	2477.1	2995.4	3473.4	3916.9	4416.3	5086.8	5688.8	6711.0	9359.6	14465.3
-20°	1863.4	2373.9	2889.4	3370.8	3796.7	4256.4	4883.8	5487.8	6332.5	8203.8	11932.4



REPORT NUMBER: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1761.6	2258.1	2767.0	3243.6	3671.6	4108.2	4653.5	5264.0	5912.0	6922.7	9617.5
-25°	1655.2	2133.7	2626.5	3100.2	3533.6	3945.2	4400.6	5014.4	5563.3	6385.6	8116.0
-27.5°	1545.3	1997.9	2473.1	2943.8	3383.4	3772.1	4186.7	4718.9	5277.8	5852.5	6731.6
-30°	1426.3	1851.0	2307.5	2771.9	3204.9	3597.2	3981.4	4402.3	4963.1	5466.7	6124.4
-32.5°	1298.7	1694.9	2133.7	2578.9	3009.4	3410.7	3767.2	4144.7	4603.2	5121.3	5581.7
-35°	1171.3	1545.3	1950.5	2373.9	2800.9	3195.5	3555.3	3897.4	4255.2	4725.3	5196.5
-37.5°	1050.4	1387.1	1757.0	2160.4	2567.3	2960.6	3330.5	3653.0	3979.1	4310.9	4766.2
-40°	923.0	1220.6	1570.2	1940.1	2322.5	2707.4	3067.5	3405.1	3702.2	4006.5	4310.9
-42.5°	792.8	1073.7	1380.5	1710.0	2072.7	2433.7	2792.3	3121.4	3429.3	3702.2	3979.1
-45°	681.6	921.4	1188.4	1496.2	1815.4	2153.0	2489.7	2820.8	3121.4	3405.1	3653.0
-47.5°	566.0	771.7	1016.6	1275.1	1566.2	1868.4	2179.9	2489.7	2792.3	3067.5	3330.5
-50°	457.1	640.9	839.1	1074.2	1321.5	1589.6	1868.4	2153.0	2433.7	2707.4	2960.6
-52.5°	376.7	506.1	686.2	877.3	1093.5	1321.5	1566.2	1815.4	2072.7	2322.5	2567.3
-55°	293.9	405.8	536.2	701.4	877.3	1074.2	1275.1	1496.2	1710.0	1940.1	2160.4
-57.5°	228.0	313.2	415.5	536.2	686.2	839.1	1016.6	1188.4	1380.5	1570.2	1757.0
-60°	171.5	234.3	313.2	405.8	506.1	640.9	771.7	921.4	1073.7	1220.6	1387.1
-62.5°	118.8	171.5	228.0	293.9	376.7	457.1	566.0	681.6	792.8	923.0	1050.4
-65°	87.5	115.5	159.1	209.3	258.2	328.5	399.3	467.5	563.1	659.6	751.6
-67.5°	55.8	81.0	105.6	134.4	178.4	221.1	262.4	323.2	382.0	438.3	500.0
-70°	42.4	49.1	67.9	89.3	110.1	135.5	172.2	207.5	241.4	279.5	326.9
-72.5°	32.5	38.4	44.2	49.9	66.7	84.3	101.4	117.8	141.6	169.8	196.7
-75°	23.7	27.7	32.6	37.5	42.2	46.7	52.6	66.6	80.1	92.9	105.2
-77.5°	15.9	19.2	22.4	25.6	28.8	32.6	36.3	39.8	43.2	46.4	49.5
-80°	9.4	10.6	13.2	15.7	18.2	20.6	22.9	25.1	27.2	29.5	31.9
-82.5°	5.9	6.8	7.6	8.5	9.3	10.1	11.1	12.8	14.4	15.9	17.3
-85°	2.7	2.9	3.5	4.0	4.6	5.1	5.6	6.1	6.6	7.0	7.5
-87.5°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
-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: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-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°	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9
85°	7.9	8.3	8.6	8.9	9.2	9.5	9.8	10.0	10.2	10.3	10.5
82.5°	18.7	19.9	21.1	22.2	23.3	24.2	25.0	25.8	26.4	26.9	27.4
80°	34.2	36.4	38.5	40.3	42.1	43.6	45.1	46.3	47.4	48.4	49.1
77.5°	56.8	65.8	74.3	82.1	89.3	95.9	101.8	107.0	111.6	115.5	118.7
75°	116.7	130.4	149.5	167.3	183.6	198.5	212.0	223.9	234.3	243.1	250.3
72.5°	222.2	246.2	271.4	303.5	333.0	359.9	384.2	405.8	424.5	440.5	453.6
70°	371.9	414.3	454.0	498.2	550.4	598.0	640.9	679.1	712.4	740.7	763.9
67.5°	578.1	651.7	720.7	784.9	853.7	921.4	982.4	1036.6	1083.9	1124.2	1157.3
65°	847.3	950.4	1047.0	1136.9	1220.6	1311.0	1392.6	1465.2	1528.6	1582.5	1626.9
62.5°	1171.3	1298.7	1426.3	1545.3	1655.2	1761.6	1863.4	1954.0	2033.1	2100.5	2156.0
60°	1545.3	1694.9	1851.0	1997.9	2133.7	2258.1	2373.9	2477.1	2567.3	2644.1	2707.4
57.5°	1950.5	2133.7	2307.5	2473.1	2626.5	2767.0	2889.4	2995.4	3088.2	3167.3	3232.5
55°	2373.9	2578.9	2771.9	2943.8	3100.2	3243.6	3370.8	3473.4	3563.3	3640.0	3703.2
52.5°	2800.9	3009.4	3204.9	3383.4	3533.6	3671.6	3796.7	3916.9	4023.7	4115.1	4190.5
50°	3195.5	3410.7	3597.2	3772.1	3945.2	4108.2	4256.4	4416.3	4583.3	4726.2	4844.2
47.5°	3555.3	3767.2	3981.4	4186.7	4400.6	4653.5	4883.8	5086.8	5249.9	5389.7	5505.2
45°	3897.4	4144.7	4402.3	4718.9	5014.4	5264.0	5487.8	5688.8	5978.6	6243.0	6461.9
42.5°	4255.2	4603.2	4963.1	5277.8	5563.3	5912.0	6332.5	6711.0	7387.8	8199.0	8871.8
40°	4725.3	5121.3	5466.7	5852.5	6385.6	6922.7	8203.8	9359.6	10683.0	12469.6	13954.2
37.5°	5196.5	5581.7	6124.4	6731.6	8116.0	9617.5	11932.4	14465.3	16729.5	19216.6	21287.8
35°	5620.2	6261.8	7098.4	8927.8	11234.1	14502.8	17761.9	21268.8	24388.1	27308.2	29806.2
32.5°	6261.8	7298.6	9338.9	12517.5	16256.3	20638.1	24794.8	28959.7	32702.7	36294.8	39600.7
30°	7098.4	9338.9	12949.1	17286.4	22398.7	27439.2	32388.1	37459.0	42383.6	46851.2	51067.1
27.5°	8927.8	12517.5	17286.4	22991.6	28797.4	34520.3	40972.6	47111.6	53347.5	58817.4	64790.3
25°	11234.1	16256.3	22398.7	28797.4	35381.9	42763.4	50364.0	57839.3	66313.9	74052.6	82383.7
22.5°	14502.8	20638.1	27439.2	34520.3	42763.4	51463.6	60518.6	70967.8	83094.6	96331.0	108433.8
20°	17761.9	24794.8	32388.1	40972.6	50364.0	60518.6	72546.2	88277.4	104785.4	121506.6	136780.6
17.5°	21268.8	28959.7	37459.0	47111.6	57839.3	70967.8	88277.4	107981.5	128284.2	150668.8	171467.5
15°	24388.1	32702.7	42383.6	53347.5	66313.9	83094.6	104785.4	128284.2	155432.5	183715.4	212283.0
12.5°	27308.2	36294.8	46851.2	58817.4	74052.6	96331.0	121506.6	150668.8	183715.4	219221.4	250347.2
10°	29806.2	39600.7	51067.1	64790.3	83283.7	108433.8	136780.6	171467.5	212283.0	250347.2	282289.3
7.5°	31782.1	42222.9	54422.3	69569.7	91530.8	118974.1	152022.7	192273.2	235768.1	275439.6	305700.9
5°	33211.9	44124.6	56862.4	73057.5	97575.7	126744.8	163346.7	208105.0	253449.4	292033.9	322340.2
2.5°	34077.4	45277.6	58344.5	75181.3	101268.4	131512.0	170334.3	217954.4	264581.9	302084.8	332178.5
0°	34367.2	45663.9	58841.7	75894.6	102510.8	133119.5	172697.8	221301.0	268390.3	305389.8	335583.6
-2.5°	34077.4	45277.6	58344.5	75181.3	101268.4	131512.0	170334.3	217954.4	264581.9	302084.8	332178.5
-5°	33211.9	44124.6	56862.4	73057.5	97575.7	126744.8	163346.7	208105.0	253449.4	292033.9	322340.2
-7.5°	31782.1	42222.9	54422.3	69569.7	91530.8	118974.1	152022.7	192273.2	235768.1	275439.6	305700.9
-10°	29806.2	39600.7	51067.1	64790.3	83283.7	108433.8	136780.6	171467.5	212283.0	250347.2	282289.3
-12.5°	27308.2	36294.8	46851.2	58817.4	74052.6	96331.0	121506.6	150668.8	183715.4	219221.4	250347.2
-15°	24388.1	32702.7	42383.6	53347.5	66313.9	83094.6	104785.4	128284.2	155432.5	183715.4	212283.0
-17.5°	21268.8	28959.7	37459.0	47111.6	57839.3	70967.8	88277.4	107981.5	128284.2	150668.8	171467.5
-20°	17761.9	24794.8	32388.1	40972.6	50364.0	60518.6	72546.2	88277.4	104785.4	121506.6	136780.6



REPORT NUMBER: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14502.8	20638.1	27439.2	34520.3	42763.4	51463.6	60518.6	70967.8	83094.6	96331.0	108433.8
-25°	11234.1	16256.3	22398.7	28797.4	35381.9	42763.4	50364.0	57839.3	66313.9	74052.6	83283.7
-27.5°	8927.8	12517.5	17286.4	22991.6	28797.4	34520.3	40972.6	47111.6	53347.5	58817.4	64790.3
-30°	7098.4	9338.9	12949.1	17286.4	22398.7	27439.2	32388.1	37459.0	42383.6	46851.2	51067.1
-32.5°	6261.8	7298.6	9338.9	12517.5	16256.3	20638.1	24794.8	28959.7	32702.7	36294.8	39600.7
-35°	5620.2	6261.8	7098.4	8927.8	11234.1	14502.8	17761.9	21268.8	24388.1	27308.2	29806.2
-37.5°	5196.5	5581.7	6124.4	6731.6	8116.0	9617.5	11932.4	14465.3	16729.5	19216.6	21287.8
-40°	4725.3	5121.3	5466.7	5852.5	6385.6	6922.7	8203.8	9359.6	10683.0	12469.6	13954.2
-42.5°	4255.2	4603.2	4963.1	5277.8	5563.3	5912.0	6332.5	6711.0	7387.8	8199.0	8871.8
-45°	3897.4	4144.7	4402.3	4718.9	5014.4	5264.0	5487.8	5688.8	5978.6	6243.0	6461.9
-47.5°	3555.3	3767.2	3981.4	4186.7	4400.6	4653.5	4883.8	5086.8	5249.9	5389.7	5505.2
-50°	3195.5	3410.7	3597.2	3772.1	3945.2	4108.2	4256.4	4416.3	4583.3	4726.2	4844.2
-52.5°	2800.9	3009.4	3204.9	3383.4	3533.6	3671.6	3796.7	3916.9	4023.7	4115.1	4190.5
-55°	2373.9	2578.9	2771.9	2943.8	3100.2	3243.6	3370.8	3473.4	3563.3	3640.0	3703.2
-57.5°	1950.5	2133.7	2307.5	2473.1	2626.5	2767.0	2889.4	2995.4	3088.2	3167.3	3232.5
-60°	1545.3	1694.9	1851.0	1997.9	2133.7	2258.1	2373.9	2477.1	2567.3	2644.1	2707.4
-62.5°	1171.3	1298.7	1426.3	1545.3	1655.2	1761.6	1863.4	1954.0	2033.1	2100.5	2156.0
-65°	847.3	950.4	1047.0	1136.9	1220.6	1311.0	1392.6	1465.2	1528.6	1582.5	1626.9
-67.5°	578.1	651.7	720.7	784.9	853.7	921.4	982.4	1036.6	1083.9	1124.2	1157.3
-70°	371.9	414.3	454.0	498.2	550.4	598.0	640.9	679.1	712.4	740.7	763.9
-72.5°	222.2	246.2	271.4	303.5	333.0	359.9	384.2	405.8	424.5	440.5	453.6
-75°	116.7	130.4	149.5	167.3	183.6	198.5	212.0	223.9	234.3	243.1	250.3
-77.5°	56.8	65.8	74.3	82.1	89.3	95.9	101.8	107.0	111.6	115.5	118.7
-80°	34.2	36.4	38.5	40.3	42.1	43.6	45.1	46.3	47.4	48.4	49.1
-82.5°	18.7	19.9	21.1	22.2	23.3	24.2	25.0	25.8	26.4	26.9	27.4
-85°	7.9	8.3	8.6	8.9	9.2	9.5	9.8	10.0	10.2	10.3	10.5
-87.5°	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9
-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: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
85°	10.6	10.6	10.7	10.7	10.7	10.6	10.6	10.5	10.3	10.2	10.0
82.5°	27.7	28.0	28.1	28.2	28.1	28.0	27.7	27.4	26.9	26.4	25.8
80°	49.7	50.2	50.4	50.5	50.4	50.2	49.7	49.1	48.4	47.4	46.3
77.5°	121.2	123.0	124.0	124.4	124.0	123.0	121.2	118.7	115.5	111.6	107.0
75°	256.0	260.1	262.5	263.3	262.5	260.1	256.0	250.3	243.1	234.3	223.9
72.5°	463.9	471.2	475.6	477.1	475.6	471.2	463.9	453.6	440.5	424.5	405.8
70°	782.1	795.1	802.9	805.5	802.9	795.1	782.1	763.9	740.7	712.4	679.1
67.5°	1183.1	1201.7	1212.8	1216.5	1212.8	1201.7	1183.1	1157.3	1124.2	1083.9	1036.6
65°	1661.6	1686.4	1701.3	1706.3	1701.3	1686.4	1661.6	1626.9	1582.5	1528.6	1465.2
62.5°	2199.3	2230.4	2249.1	2255.3	2249.1	2230.4	2199.3	2156.0	2100.5	2033.1	1954.0
60°	2756.9	2792.3	2813.7	2820.8	2813.7	2792.3	2756.9	2707.4	2644.1	2567.3	2477.1
57.5°	3283.5	3320.1	3342.1	3349.4	3342.1	3320.1	3283.5	3232.5	3167.3	3088.2	2995.4
55°	3752.7	3788.2	3809.6	3816.7	3809.6	3788.2	3752.7	3703.2	3640.0	3563.3	3473.4
52.5°	4249.5	4291.9	4317.4	4325.9	4317.4	4291.9	4249.5	4190.5	4115.1	4023.7	3916.9
50°	4936.7	5003.2	5043.2	5056.6	5043.2	5003.2	4936.7	4844.2	4726.2	4583.3	4416.3
47.5°	5595.9	5661.1	5700.4	5713.5	5700.4	5661.1	5595.9	5505.2	5389.7	5249.9	5086.8
45°	6633.8	6757.6	6832.2	6857.1	6832.2	6757.6	6633.8	6461.9	6243.0	5978.6	5688.8
42.5°	9400.9	9782.0	10012.0	10088.9	10012.0	9782.0	9400.9	8871.8	8199.0	7387.8	6711.0
40°	15123.5	15967.0	16476.3	16646.7	16476.3	15967.0	15123.5	13954.2	12469.6	10683.0	9359.6
37.5°	22922.3	24102.9	24816.7	25055.6	24816.7	24102.9	22922.3	21287.8	19216.6	16729.5	14465.3
35°	31782.1	33211.9	34077.4	34367.2	34077.4	33211.9	31782.1	29806.2	27308.2	24388.1	21268.8
32.5°	42222.9	44124.6	45277.6	45663.9	45277.6	44124.6	42222.9	39600.7	36294.8	32702.7	28959.7
30°	54422.3	56862.4	58344.5	58841.7	58344.5	56862.4	54422.3	51067.1	46851.2	42383.6	37459.0
27.5°	69569.7	73057.5	75181.3	75894.6	75181.3	73057.5	69569.7	64790.3	58817.4	53347.5	47111.6
25°	91530.8	97575.7	101268.4	102510.8	101268.4	97575.7	91530.8	83283.7	74052.6	66313.9	57839.3
22.5°	118974.1	126744.8	131512.0	133119.5	131512.0	126744.8	118974.1	108433.8	96331.0	83094.6	70967.8
20°	152022.7	163346.7	170334.3	172697.8	170334.3	163346.7	152022.7	136780.6	121506.6	104785.4	88277.4
17.5°	192273.2	208105.0	217954.4	221301.0	217954.4	208105.0	192273.2	171467.5	150668.8	128284.2	107981.5
15°	235768.1	253449.4	264581.9	268390.3	264581.9	253449.4	235768.1	212283.0	183715.4	155432.5	128284.2
12.5°	275439.6	292033.9	302084.8	305389.8	302084.8	292033.9	275439.6	250347.2	219221.4	183715.4	150668.8
10°	305700.9	322340.2	332178.5	335583.6	332178.5	322340.2	305700.9	282289.3	250347.2	212283.0	171467.5
7.5°	328973.9	346358.2	357383.4	361001.2	357383.4	346358.2	328973.9	305700.9	275439.6	235768.1	192273.2
5°	346358.2	364888.0	375999.2	379793.8	375999.2	364888.0	346358.2	322340.2	292033.9	253449.4	208105.0
2.5°	357383.4	375999.2	386774.2	390293.8	386774.2	375999.2	357383.4	332178.5	302084.8	264581.9	217954.4
0°	361001.2	379793.8	390293.8	394282.5	390293.8	379793.8	361001.2	335583.6	305389.8	268390.3	221301.0
-2.5°	357383.4	375999.2	386774.2	390293.8	386774.2	375999.2	357383.4	332178.5	302084.8	264581.9	217954.4
-5°	346358.2	364888.0	375999.2	379793.8	375999.2	364888.0	346358.2	322340.2	292033.9	253449.4	208105.0
-7.5°	328973.9	346358.2	357383.4	361001.2	357383.4	346358.2	328973.9	305700.9	275439.6	235768.1	192273.2
-10°	305700.9	322340.2	332178.5	335583.6	332178.5	322340.2	305700.9	282289.3	250347.2	212283.0	171467.5
-12.5°	275439.6	292033.9	302084.8	305389.8	302084.8	292033.9	275439.6	250347.2	219221.4	183715.4	150668.8
-15°	235768.1	253449.4	264581.9	268390.3	264581.9	253449.4	235768.1	212283.0	183715.4	155432.5	128284.2
-17.5°	192273.2	208105.0	217954.4	221301.0	217954.4	208105.0	192273.2	171467.5	150668.8	128284.2	107981.5
-20°	152022.7	163346.7	170334.3	172697.8	170334.3	163346.7	152022.7	136780.6	121506.6	104785.4	88277.4



REPORT NUMBER: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	118974.1	126744.8	131512.0	133119.5	131512.0	126744.8	118974.1	108433.8	96331.0	83094.6	70967.8
-25°	91530.8	97575.7	101268.4	102510.8	101268.4	97575.7	91530.8	83283.7	74052.6	66313.9	57839.3
-27.5°	69569.7	73057.5	75181.3	75894.6	75181.3	73057.5	69569.7	64790.3	58817.4	53347.5	47111.6
-30°	54422.3	56862.4	58344.5	58841.7	58344.5	56862.4	54422.3	51067.1	46851.2	42383.6	37459.0
-32.5°	42222.9	44124.6	45277.6	45663.9	45277.6	44124.6	42222.9	39600.7	36294.8	32702.7	28959.7
-35°	31782.1	33211.9	34077.4	34367.2	34077.4	33211.9	31782.1	29806.2	27308.2	24388.1	21268.8
-37.5°	22922.3	24102.9	24816.7	25055.6	24816.7	24102.9	22922.3	21287.8	19216.6	16729.5	14465.3
-40°	15123.5	15967.0	16476.3	16646.7	16476.3	15967.0	15123.5	13954.2	12469.6	10683.0	9359.6
-42.5°	9400.9	9782.0	10012.0	10088.9	10012.0	9782.0	9400.9	8871.8	8199.0	7387.8	6711.0
-45°	6633.8	6757.6	6832.2	6857.1	6832.2	6757.6	6633.8	6461.9	6243.0	5978.6	5688.8
-47.5°	5595.9	5661.1	5700.4	5713.5	5700.4	5661.1	5595.9	5505.2	5389.7	5249.9	5086.8
-50°	4936.7	5003.2	5043.2	5056.6	5043.2	5003.2	4936.7	4844.2	4726.2	4583.3	4416.3
-52.5°	4249.5	4291.9	4317.4	4325.9	4317.4	4291.9	4249.5	4190.5	4115.1	4023.7	3916.9
-55°	3752.7	3788.2	3809.6	3816.7	3809.6	3788.2	3752.7	3703.2	3640.0	3563.3	3473.4
-57.5°	3283.5	3320.1	3342.1	3349.4	3342.1	3320.1	3283.5	3232.5	3167.3	3088.2	2995.4
-60°	2756.9	2792.3	2813.7	2820.8	2813.7	2792.3	2756.9	2707.4	2644.1	2567.3	2477.1
-62.5°	2199.3	2230.4	2249.1	2255.3	2249.1	2230.4	2199.3	2156.0	2100.5	2033.1	1954.0
-65°	1661.6	1686.4	1701.3	1706.3	1701.3	1686.4	1661.6	1626.9	1582.5	1528.6	1465.2
-67.5°	1183.1	1201.7	1212.8	1216.5	1212.8	1201.7	1183.1	1157.3	1124.2	1083.9	1036.6
-70°	782.1	795.1	802.9	805.5	802.9	795.1	782.1	763.9	740.7	712.4	679.1
-72.5°	463.9	471.2	475.6	477.1	475.6	471.2	463.9	453.6	440.5	424.5	405.8
-75°	256.0	260.1	262.5	263.3	262.5	260.1	256.0	250.3	243.1	234.3	223.9
-77.5°	121.2	123.0	124.0	124.4	124.0	123.0	121.2	118.7	115.5	111.6	107.0
-80°	49.7	50.2	50.4	50.5	50.4	50.2	49.7	49.1	48.4	47.4	46.3
-82.5°	27.7	28.0	28.1	28.2	28.1	28.0	27.7	27.4	26.9	26.4	25.8
-85°	10.6	10.6	10.7	10.7	10.7	10.6	10.6	10.5	10.3	10.2	10.0
-87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
-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: P700007 (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°	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1
85°	9.8	9.5	9.2	8.9	8.6	8.3	7.9	7.5	7.0	6.6	6.1
82.5°	25.0	24.2	23.3	22.2	21.1	19.9	18.7	17.3	15.9	14.4	12.8
80°	45.1	43.6	42.1	40.3	38.5	36.4	34.2	31.9	29.5	27.2	25.1
77.5°	101.8	95.9	89.3	82.1	74.3	65.8	56.8	49.5	46.4	43.2	39.8
75°	212.0	198.5	183.6	167.3	149.5	130.4	116.7	105.2	92.9	80.1	66.6
72.5°	384.2	359.9	333.0	303.5	271.4	246.2	222.2	196.7	169.8	141.6	117.8
70°	640.9	598.0	550.4	498.2	454.0	414.3	371.9	326.9	279.5	241.4	207.5
67.5°	982.4	921.4	853.7	784.9	720.7	651.7	578.1	500.0	438.3	382.0	323.2
65°	1392.6	1311.0	1220.6	1136.9	1047.0	950.4	847.3	751.6	659.6	563.1	467.5
62.5°	1863.4	1761.6	1655.2	1545.3	1426.3	1298.7	1171.3	1050.4	923.0	792.8	681.6
60°	2373.9	2258.1	2133.7	1997.9	1851.0	1694.9	1545.3	1387.1	1220.6	1073.7	921.4
57.5°	2889.4	2767.0	2626.5	2473.1	2307.5	2133.7	1950.5	1757.0	1570.2	1380.5	1188.4
55°	3370.8	3243.6	3100.2	2943.8	2771.9	2578.9	2373.9	2160.4	1940.1	1710.0	1496.2
52.5°	3796.7	3671.6	3533.6	3383.4	3204.9	3009.4	2800.9	2567.3	2322.5	2072.7	1815.4
50°	4256.4	4108.2	3945.2	3772.1	3597.2	3410.7	3195.5	2960.6	2707.4	2433.7	2153.0
47.5°	4883.8	4653.5	4400.6	4186.7	3981.4	3767.2	3555.3	3330.5	3067.5	2792.3	2489.7
45°	5487.8	5264.0	5014.4	4718.9	4402.3	4144.7	3897.4	3653.0	3405.1	3121.4	2820.8
42.5°	6332.5	5912.0	5563.3	5277.8	4963.1	4603.2	4255.2	3979.1	3702.2	3429.3	3121.4
40°	8203.8	6922.7	6385.6	5852.5	5466.7	5121.3	4725.3	4310.9	4006.5	3702.2	3405.1
37.5°	11932.4	9617.5	8116.0	6731.6	6124.4	5581.7	5196.5	4766.2	4310.9	3979.1	3653.0
35°	17761.9	14502.8	11234.1	8927.8	7098.4	6261.8	5620.2	5196.5	4725.3	4255.2	3897.4
32.5°	24794.8	20638.1	16256.3	12517.5	9338.9	7298.6	6261.8	5581.7	5121.3	4603.2	4144.7
30°	32388.1	27439.2	22398.7	17286.4	12949.1	9338.9	7098.4	6124.4	5466.7	4963.1	4402.3
27.5°	40972.6	34520.3	28797.4	22991.6	17286.4	12517.5	8927.8	6731.6	5852.5	5277.8	4718.9
25°	50364.0	42763.4	35381.9	28797.4	22398.7	16256.3	11234.1	8116.0	6385.6	5563.3	5014.4
22.5°	60518.6	51463.6	42763.4	34520.3	27439.2	20638.1	14502.8	9617.5	6922.7	5912.0	5264.0
20°	72546.2	60518.6	50364.0	40972.6	32388.1	24794.8	17761.9	11932.4	8203.8	6332.5	5487.8
17.5°	88277.4	70967.8	57839.3	47111.6	37459.0	28959.7	21268.8	14465.3	9359.6	6711.0	5688.8
15°	104785.4	83094.6	66313.9	53347.5	42383.6	32702.7	24388.1	16729.5	10683.0	7387.8	5978.6
12.5°	121506.6	96331.0	74052.6	58817.4	46851.2	36294.8	27308.2	19216.6	12469.6	8199.0	6243.0
10°	136780.6	108433.8	83283.7	64790.3	51067.1	39600.7	29806.2	21287.8	13954.2	8871.8	6461.9
7.5°	152022.7	118974.1	91530.8	69569.7	54422.3	42222.9	31782.1	22922.3	15123.5	9400.9	6633.8
5°	163346.7	126744.8	97575.7	73057.5	56862.4	44124.6	33211.9	24102.9	15967.0	9782.0	6757.6
2.5°	170334.3	131512.0	101268.4	75181.3	58344.5	45277.6	34077.4	24816.7	16476.3	10012.0	6832.2
0°	172697.8	133119.5	102510.8	75894.6	58841.7	45663.9	34367.2	25055.6	16646.7	10088.9	6857.1
-2.5°	170334.3	131512.0	101268.4	75181.3	58344.5	45277.6	34077.4	24816.7	16476.3	10012.0	6832.2
-5°	163346.7	126744.8	97575.7	73057.5	56862.4	44124.6	33211.9	24102.9	15967.0	9782.0	6757.6
-7.5°	152022.7	118974.1	91530.8	69569.7	54422.3	42222.9	31782.1	22922.3	15123.5	9400.9	6633.8
-10°	136780.6	108433.8	83283.7	64790.3	51067.1	39600.7	29806.2	21287.8	13954.2	8871.8	6461.9
-12.5°	121506.6	96331.0	74052.6	58817.4	46851.2	36294.8	27308.2	19216.6	12469.6	8199.0	6243.0
-15°	104785.4	83094.6	66313.9	53347.5	42383.6	32702.7	24388.1	16729.5	10683.0	7387.8	5978.6
-17.5°	88277.4	70967.8	57839.3	47111.6	37459.0	28959.7	21268.8	14465.3	9359.6	6711.0	5688.8
-20°	72546.2	60518.6	50364.0	40972.6	32388.1	24794.8	17761.9	11932.4	8203.8	6332.5	5487.8



REPORT NUMBER: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	60518.6	51463.6	42763.4	34520.3	27439.2	20638.1	14502.8	9617.5	6922.7	5912.0	5264.0
-25°	50364.0	42763.4	35381.9	28797.4	22398.7	16256.3	11234.1	8116.0	6385.6	5563.3	5014.4
-27.5°	40972.6	34520.3	28797.4	22991.6	17286.4	12517.5	8927.8	6731.6	5852.5	5277.8	4718.9
-30°	32388.1	27439.2	22398.7	17286.4	12949.1	9338.9	7098.4	6124.4	5466.7	4963.1	4402.3
-32.5°	24794.8	20638.1	16256.3	12517.5	9338.9	7298.6	6261.8	5581.7	5121.3	4603.2	4144.7
-35°	17761.9	14502.8	11234.1	8927.8	7098.4	6261.8	5620.2	5196.5	4725.3	4255.2	3897.4
-37.5°	11932.4	9617.5	8116.0	6731.6	6124.4	5581.7	5196.5	4766.2	4310.9	3979.1	3653.0
-40°	8203.8	6922.7	6385.6	5852.5	5466.7	5121.3	4725.3	4310.9	4006.5	3702.2	3405.1
-42.5°	6332.5	5912.0	5563.3	5277.8	4963.1	4603.2	4255.2	3979.1	3702.2	3429.3	3121.4
-45°	5487.8	5264.0	5014.4	4718.9	4402.3	4144.7	3897.4	3653.0	3405.1	3121.4	2820.8
-47.5°	4883.8	4653.5	4400.6	4186.7	3981.4	3767.2	3555.3	3330.5	3067.5	2792.3	2489.7
-50°	4256.4	4108.2	3945.2	3772.1	3597.2	3410.7	3195.5	2960.6	2707.4	2433.7	2153.0
-52.5°	3796.7	3671.6	3533.6	3383.4	3204.9	3009.4	2800.9	2567.3	2322.5	2072.7	1815.4
-55°	3370.8	3243.6	3100.2	2943.8	2771.9	2578.9	2373.9	2160.4	1940.1	1710.0	1496.2
-57.5°	2889.4	2767.0	2626.5	2473.1	2307.5	2133.7	1950.5	1757.0	1570.2	1380.5	1188.4
-60°	2373.9	2258.1	2133.7	1997.9	1851.0	1694.9	1545.3	1387.1	1220.6	1073.7	921.4
-62.5°	1863.4	1761.6	1655.2	1545.3	1426.3	1298.7	1171.3	1050.4	923.0	792.8	681.6
-65°	1392.6	1311.0	1220.6	1136.9	1047.0	950.4	847.3	751.6	659.6	563.1	467.5
-67.5°	982.4	921.4	853.7	784.9	720.7	651.7	578.1	500.0	438.3	382.0	323.2
-70°	640.9	598.0	550.4	498.2	454.0	414.3	371.9	326.9	279.5	241.4	207.5
-72.5°	384.2	359.9	333.0	303.5	271.4	246.2	222.2	196.7	169.8	141.6	117.8
-75°	212.0	198.5	183.6	167.3	149.5	130.4	116.7	105.2	92.9	80.1	66.6
-77.5°	101.8	95.9	89.3	82.1	74.3	65.8	56.8	49.5	46.4	43.2	39.8
-80°	45.1	43.6	42.1	40.3	38.5	36.4	34.2	31.9	29.5	27.2	25.1
-82.5°	25.0	24.2	23.3	22.2	21.1	19.9	18.7	17.3	15.9	14.4	12.8
-85°	9.8	9.5	9.2	8.9	8.6	8.3	7.9	7.5	7.0	6.6	6.1
-87.5°	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1
-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: P700007 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4S-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°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9
85°	5.6	5.1	4.6	4.0	3.5	2.9	2.7	2.4	2.2	2.0	1.7
82.5°	11.1	10.1	9.3	8.5	7.6	6.8	5.9	5.0	4.0	3.1	2.6
80°	22.9	20.6	18.2	15.7	13.2	10.6	9.4	8.2	7.0	5.7	4.4
77.5°	36.3	32.6	28.8	25.6	22.4	19.2	15.9	12.4	9.9	8.3	6.7
75°	52.6	46.7	42.2	37.5	32.6	27.7	23.7	19.7	15.5	11.2	9.0
72.5°	101.4	84.3	66.7	49.9	44.2	38.4	32.5	26.8	22.0	17.0	12.0
70°	172.2	135.5	110.1	89.3	67.9	49.1	42.4	35.4	28.4	22.7	17.0
67.5°	262.4	221.1	178.4	134.4	105.6	81.0	55.8	44.3	36.4	28.4	22.0
65°	399.3	328.5	258.2	209.3	159.1	115.5	87.5	59.0	44.3	35.4	26.8
62.5°	566.0	457.1	376.7	293.9	228.0	171.5	118.8	87.5	55.8	42.4	32.5
60°	771.7	640.9	506.1	405.8	313.2	234.3	171.5	115.5	81.0	49.1	38.4
57.5°	1016.6	839.1	686.2	536.2	415.5	313.2	228.0	159.1	105.6	67.9	44.2
55°	1275.1	1074.2	877.3	701.4	536.2	405.8	293.9	209.3	134.4	89.3	49.9
52.5°	1566.2	1321.5	1093.5	877.3	686.2	506.1	376.7	258.2	178.4	110.1	66.7
50°	1868.4	1589.6	1321.5	1074.2	839.1	640.9	457.1	328.5	221.1	135.5	84.3
47.5°	2179.9	1868.4	1566.2	1275.1	1016.6	771.7	566.0	399.3	262.4	172.2	101.4
45°	2489.7	2153.0	1815.4	1496.2	1188.4	921.4	681.6	467.5	323.2	207.5	117.8
42.5°	2792.3	2433.7	2072.7	1710.0	1380.5	1073.7	792.8	563.1	382.0	241.4	141.6
40°	3067.5	2707.4	2322.5	1940.1	1570.2	1220.6	923.0	659.6	438.3	279.5	169.8
37.5°	3330.5	2960.6	2567.3	2160.4	1757.0	1387.1	1050.4	751.6	500.0	326.9	196.7
35°	3555.3	3195.5	2800.9	2373.9	1950.5	1545.3	1171.3	847.3	578.1	371.9	222.2
32.5°	3767.2	3410.7	3009.4	2578.9	2133.7	1694.9	1298.7	950.4	651.7	414.3	246.2
30°	3981.4	3597.2	3204.9	2771.9	2307.5	1851.0	1426.3	1047.0	720.7	454.0	271.4
27.5°	4186.7	3772.1	3383.4	2943.8	2473.1	1997.9	1545.3	1136.9	784.9	498.2	303.5
25°	4400.6	3945.2	3533.6	3100.2	2626.5	2133.7	1655.2	1220.6	853.7	550.4	333.0
22.5°	4653.5	4108.2	3671.6	3243.6	2767.0	2258.1	1761.6	1311.0	921.4	598.0	359.9
20°	4883.8	4256.4	3796.7	3370.8	2889.4	2373.9	1863.4	1392.6	982.4	640.9	384.2
17.5°	5086.8	4416.3	3916.9	3473.4	2995.4	2477.1	1954.0	1465.2	1036.6	679.1	405.8
15°	5249.9	4583.3	4023.7	3563.3	3088.2	2567.3	2033.1	1528.6	1083.9	712.4	424.5
12.5°	5389.7	4726.2	4115.1	3640.0	3167.3	2644.1	2100.5	1582.5	1124.2	740.7	440.5
10°	5505.2	4844.2	4190.5	3703.2	3232.5	2707.4	2156.0	1626.9	1157.3	763.9	453.6
7.5°	5595.9	4936.7	4249.5	3752.7	3283.5	2756.9	2199.3	1661.6	1183.1	782.1	463.9
5°	5661.1	5003.2	4291.9	3788.2	3320.1	2792.3	2230.4	1686.4	1201.7	795.1	471.2
2.5°	5700.4	5043.2	4317.4	3809.6	3342.1	2813.7	2249.1	1701.3	1212.8	802.9	475.6
0°	5713.5	5056.6	4325.9	3816.7	3349.4	2820.8	2255.3	1706.3	1216.5	805.5	477.1
-2.5°	5700.4	5043.2	4317.4	3809.6	3342.1	2813.7	2249.1	1701.3	1212.8	802.9	475.6
-5°	5661.1	5003.2	4291.9	3788.2	3320.1	2792.3	2230.4	1686.4	1201.7	795.1	471.2
-7.5°	5595.9	4936.7	4249.5	3752.7	3283.5	2756.9	2199.3	1661.6	1183.1	782.1	463.9
-10°	5505.2	4844.2	4190.5	3703.2	3232.5	2707.4	2156.0	1626.9	1157.3	763.9	453.6
-12.5°	5389.7	4726.2	4115.1	3640.0	3167.3	2644.1	2100.5	1582.5	1124.2	740.7	440.5
-15°	5249.9	4583.3	4023.7	3563.3	3088.2	2567.3	2033.1	1528.6	1083.9	712.4	424.5
-17.5°	5086.8	4416.3	3916.9	3473.4	2995.4	2477.1	1954.0	1465.2	1036.6	679.1	405.8
-20°	4883.8	4256.4	3796.7	3370.8	2889.4	2373.9	1863.4	1392.6	982.4	640.9	384.2



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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°	4653.5	4108.2	3671.6	3243.6	2767.0	2258.1	1761.6	1311.0	921.4	598.0	359.9
-25°	4400.6	3945.2	3533.6	3100.2	2626.5	2133.7	1655.2	1220.6	853.7	550.4	333.0
-27.5°	4186.7	3772.1	3383.4	2943.8	2473.1	1997.9	1545.3	1136.9	784.9	498.2	303.5
-30°	3981.4	3597.2	3204.9	2771.9	2307.5	1851.0	1426.3	1047.0	720.7	454.0	271.4
-32.5°	3767.2	3410.7	3009.4	2578.9	2133.7	1694.9	1298.7	950.4	651.7	414.3	246.2
-35°	3555.3	3195.5	2800.9	2373.9	1950.5	1545.3	1171.3	847.3	578.1	371.9	222.2
-37.5°	3330.5	2960.6	2567.3	2160.4	1757.0	1387.1	1050.4	751.6	500.0	326.9	196.7
-40°	3067.5	2707.4	2322.5	1940.1	1570.2	1220.6	923.0	659.6	438.3	279.5	169.8
-42.5°	2792.3	2433.7	2072.7	1710.0	1380.5	1073.7	792.8	563.1	382.0	241.4	141.6
-45°	2489.7	2153.0	1815.4	1496.2	1188.4	921.4	681.6	467.5	323.2	207.5	117.8
-47.5°	2179.9	1868.4	1566.2	1275.1	1016.6	771.7	566.0	399.3	262.4	172.2	101.4
-50°	1868.4	1589.6	1321.5	1074.2	839.1	640.9	457.1	328.5	221.1	135.5	84.3
-52.5°	1566.2	1321.5	1093.5	877.3	686.2	506.1	376.7	258.2	178.4	110.1	66.7
-55°	1275.1	1074.2	877.3	701.4	536.2	405.8	293.9	209.3	134.4	89.3	49.9
-57.5°	1016.6	839.1	686.2	536.2	415.5	313.2	228.0	159.1	105.6	67.9	44.2
-60°	771.7	640.9	506.1	405.8	313.2	234.3	171.5	115.5	81.0	49.1	38.4
-62.5°	566.0	457.1	376.7	293.9	228.0	171.5	118.8	87.5	55.8	42.4	32.5
-65°	399.3	328.5	258.2	209.3	159.1	115.5	87.5	59.0	44.3	35.4	26.8
-67.5°	262.4	221.1	178.4	134.4	105.6	81.0	55.8	44.3	36.4	28.4	22.0
-70°	172.2	135.5	110.1	89.3	67.9	49.1	42.4	35.4	28.4	22.7	17.0
-72.5°	101.4	84.3	66.7	49.9	44.2	38.4	32.5	26.8	22.0	17.0	12.0
-75°	52.6	46.7	42.2	37.5	32.6	27.7	23.7	19.7	15.5	11.2	9.0
-77.5°	36.3	32.6	28.8	25.6	22.4	19.2	15.9	12.4	9.9	8.3	6.7
-80°	22.9	20.6	18.2	15.7	13.2	10.6	9.4	8.2	7.0	5.7	4.4
-82.5°	11.1	10.1	9.3	8.5	7.6	6.8	5.9	5.0	4.0	3.1	2.6
-85°	5.6	5.1	4.6	4.0	3.5	2.9	2.7	2.4	2.2	2.0	1.7
-87.5°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9
-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°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
80°	3.1	2.5	2.0	1.5	1.0	0.5	0.0
77.5°	5.1	3.5	2.5	1.9	1.3	0.6	0.0
75°	7.1	5.1	3.1	2.2	1.5	0.8	0.0
72.5°	9.0	6.7	4.4	2.6	1.7	0.9	0.0
70°	11.2	8.3	5.7	3.1	2.0	1.0	0.0
67.5°	15.5	9.9	7.0	4.0	2.2	1.1	0.0
65°	19.7	12.4	8.2	5.0	2.4	1.2	0.0
62.5°	23.7	15.9	9.4	5.9	2.7	1.3	0.0
60°	27.7	19.2	10.6	6.8	2.9	1.4	0.0
57.5°	32.6	22.4	13.2	7.6	3.5	1.6	0.0
55°	37.5	25.6	15.7	8.5	4.0	1.7	0.0
52.5°	42.2	28.8	18.2	9.3	4.6	1.8	0.0
50°	46.7	32.6	20.6	10.1	5.1	1.9	0.0
47.5°	52.6	36.3	22.9	11.1	5.6	2.0	0.0
45°	66.6	39.8	25.1	12.8	6.1	2.1	0.0
42.5°	80.1	43.2	27.2	14.4	6.6	2.1	0.0
40°	92.9	46.4	29.5	15.9	7.0	2.2	0.0
37.5°	105.2	49.5	31.9	17.3	7.5	2.3	0.0
35°	116.7	56.8	34.2	18.7	7.9	2.4	0.0
32.5°	130.4	65.8	36.4	19.9	8.3	2.4	0.0
30°	149.5	74.3	38.5	21.1	8.6	2.5	0.0
27.5°	167.3	82.1	40.3	22.2	8.9	2.6	0.0
25°	183.6	89.3	42.1	23.3	9.2	2.6	0.0
22.5°	198.5	95.9	43.6	24.2	9.5	2.7	0.0
20°	212.0	101.8	45.1	25.0	9.8	2.7	0.0
17.5°	223.9	107.0	46.3	25.8	10.0	2.8	0.0
15°	234.3	111.6	47.4	26.4	10.2	2.8	0.0
12.5°	243.1	115.5	48.4	26.9	10.3	2.8	0.0
10°	250.3	118.7	49.1	27.4	10.5	2.9	0.0
7.5°	256.0	121.2	49.7	27.7	10.6	2.9	0.0
5°	260.1	123.0	50.2	28.0	10.6	2.9	0.0
2.5°	262.5	124.0	50.4	28.1	10.7	2.9	0.0
0°	263.3	124.4	50.5	28.2	10.7	2.9	0.0
-2.5°	262.5	124.0	50.4	28.1	10.7	2.9	0.0
-5°	260.1	123.0	50.2	28.0	10.6	2.9	0.0
-7.5°	256.0	121.2	49.7	27.7	10.6	2.9	0.0
-10°	250.3	118.7	49.1	27.4	10.5	2.9	0.0
-12.5°	243.1	115.5	48.4	26.9	10.3	2.8	0.0
-15°	234.3	111.6	47.4	26.4	10.2	2.8	0.0
-17.5°	223.9	107.0	46.3	25.8	10.0	2.8	0.0
-20°	212.0	101.8	45.1	25.0	9.8	2.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	198.5	95.9	43.6	24.2	9.5	2.7	0.0
-25°	183.6	89.3	42.1	23.3	9.2	2.6	0.0
-27.5°	167.3	82.1	40.3	22.2	8.9	2.6	0.0
-30°	149.5	74.3	38.5	21.1	8.6	2.5	0.0
-32.5°	130.4	65.8	36.4	19.9	8.3	2.4	0.0
-35°	116.7	56.8	34.2	18.7	7.9	2.4	0.0
-37.5°	105.2	49.5	31.9	17.3	7.5	2.3	0.0
-40°	92.9	46.4	29.5	15.9	7.0	2.2	0.0
-42.5°	80.1	43.2	27.2	14.4	6.6	2.1	0.0
-45°	66.6	39.8	25.1	12.8	6.1	2.1	0.0
-47.5°	52.6	36.3	22.9	11.1	5.6	2.0	0.0
-50°	46.7	32.6	20.6	10.1	5.1	1.9	0.0
-52.5°	42.2	28.8	18.2	9.3	4.6	1.8	0.0
-55°	37.5	25.6	15.7	8.5	4.0	1.7	0.0
-57.5°	32.6	22.4	13.2	7.6	3.5	1.6	0.0
-60°	27.7	19.2	10.6	6.8	2.9	1.4	0.0
-62.5°	23.7	15.9	9.4	5.9	2.7	1.3	0.0
-65°	19.7	12.4	8.2	5.0	2.4	1.2	0.0
-67.5°	15.5	9.9	7.0	4.0	2.2	1.1	0.0
-70°	11.2	8.3	5.7	3.1	2.0	1.0	0.0
-72.5°	9.0	6.7	4.4	2.6	1.7	0.9	0.0
-75°	7.1	5.1	3.1	2.2	1.5	0.8	0.0
-77.5°	5.1	3.5	2.5	1.9	1.3	0.6	0.0
-80°	3.1	2.5	2.0	1.5	1.0	0.5	0.0
-82.5°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
-85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-87.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)