

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: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-5R-S**

Issue Date: 8/10/2023

Test Information

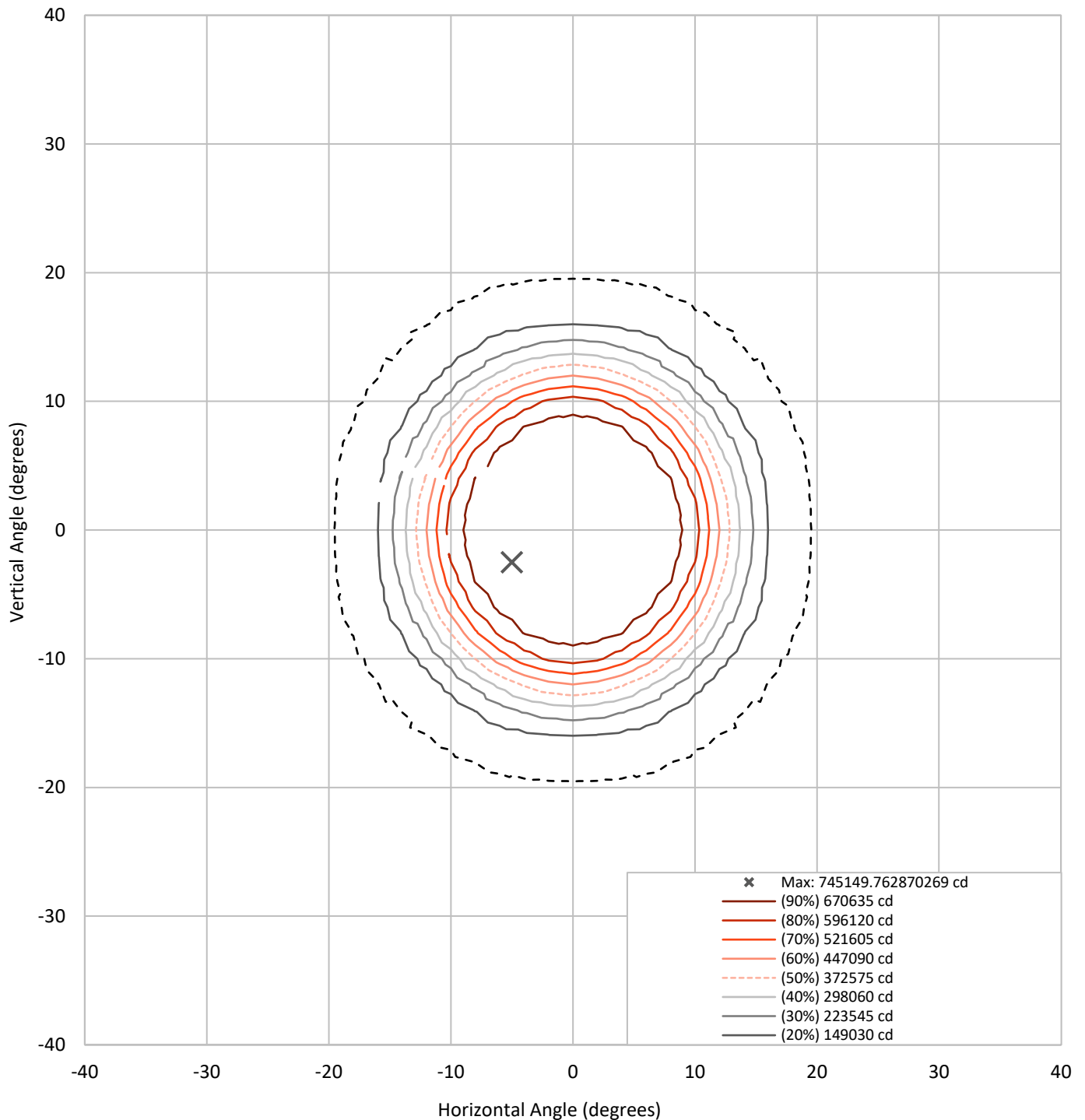
Test Method: LM-79-08
Report Number: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-51)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-70-5R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 5R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	179227.2 lumens	Max Intensity:	745149.8 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	139.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	25.1°H x 23.6°V	Field Angle (10%):	38.9°H x 38.4°V
Beam Lumens:	95412 lumens	Field Lumens:	132886.1 lumens
Beam Efficiency:	53.2%	Field Efficiency:	74.1%
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





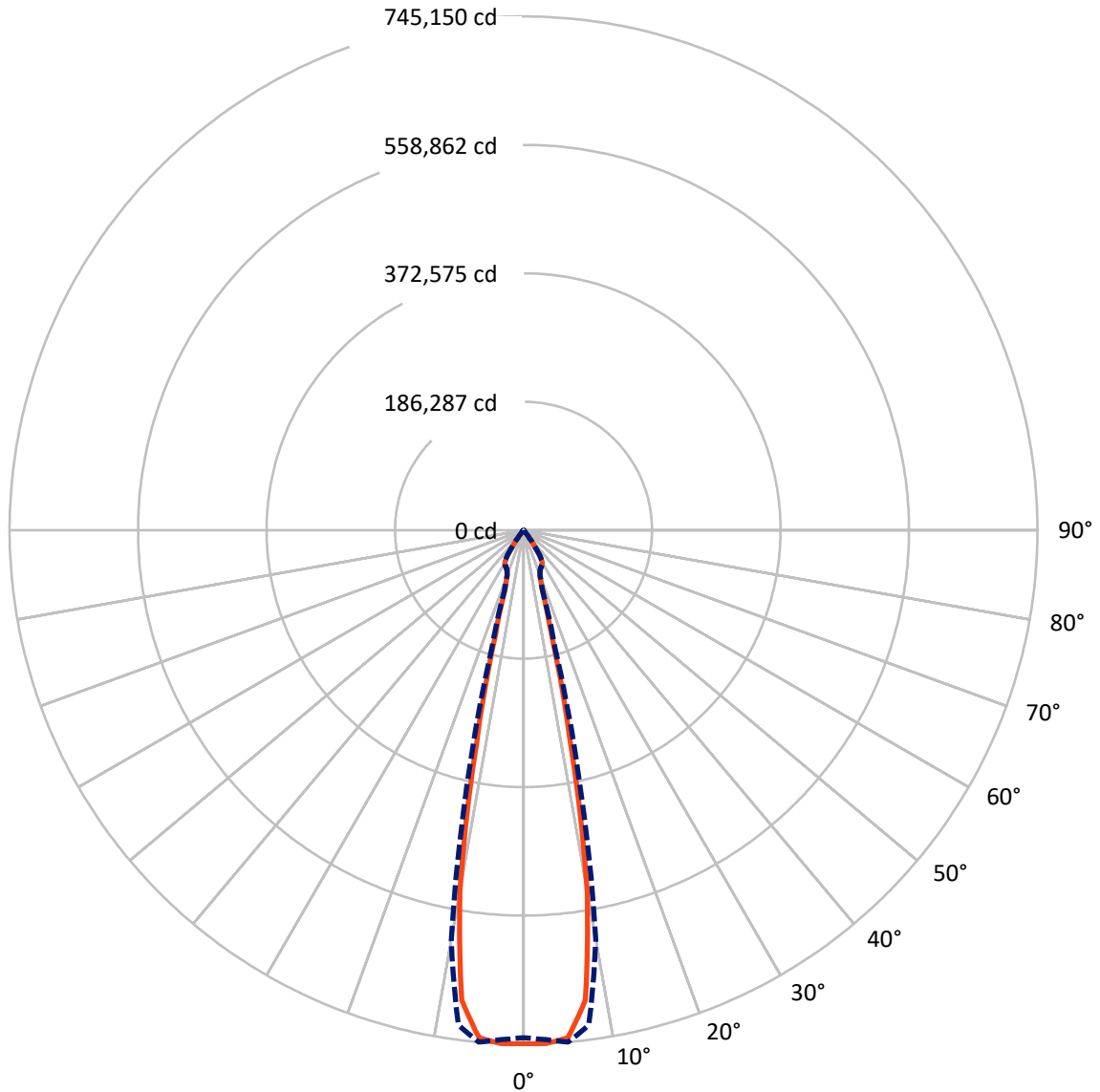
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Lumen Table

90	0.1	0.9		2.4		4.0		4.7		4.0		2.4		0.9		0.1
80	0.1	0.9		2.4		4.0		4.7		4.0		2.4		0.9		0.1
70	0.4	0.4	1.0	1.7	2.6	3.4	4.0	4.4	4.4	4.0	3.4	2.6	1.7	1.0	0.4	0.4
60		0.7	1.7	2.9	4.7	8.0	12.1	14.9	14.9	12.1	8.0	4.7	2.9	1.7	0.7	
50	0.7	1.1	2.4	5.1	13.1	23.5	32.5	41.1	41.1	32.5	23.5	13.1	5.1	2.4	1.1	0.7
40		1.3	3.4	11.3	25.4	94.7	448.5	808.1	808.1	448.5	94.7	25.4	11.3	3.4	1.3	
30	1.0	1.6	5.1	18.5	86.5	809.6	1574.8	1813.5	1813.5	1574.8	809.6	86.5	18.5	5.1	1.6	1.0
20		1.8	7.4	24.0	388.3	1479.7	2258.1	6144.3	6144.3	2258.1	1479.7	388.3	24.0	7.4	1.8	
10	1.2	1.9	8.8	29.6	677.9	1652.0	5997.0	20239.9	20239.9	5997.0	1652.0	677.9	29.6	8.8	1.9	1.2
0		1.9	8.8	29.6	677.9	1652.0	5997.0	20239.9	20239.9	5997.0	1652.0	677.9	29.6	8.8	1.9	
-10	1.0	1.8	7.4	24.0	388.3	1479.7	2258.1	6144.3	6144.3	2258.1	1479.7	388.3	24.0	7.4	1.8	1.0
-20		1.6	5.1	18.5	86.5	809.6	1574.8	1813.5	1813.5	1574.8	809.6	86.5	18.5	5.1	1.6	
-30	0.7	1.3	3.4	11.3	25.4	94.7	448.5	808.1	808.1	448.5	94.7	25.4	11.3	3.4	1.3	0.7
-40		1.1	2.4	5.1	13.1	23.5	32.5	41.1	41.1	32.5	23.5	13.1	5.1	2.4	1.1	
-50	0.4	0.7	1.7	2.9	4.7	8.0	12.1	14.9	14.9	12.1	8.0	4.7	2.9	1.7	0.7	0.4
-60		0.4	1.0	1.7	2.6	3.4	4.0	4.4	4.4	4.0	3.4	2.6	1.7	1.0	0.4	
-70	0.1	0.9		2.4		4.0		4.7		4.0		2.4		0.9		0.1
-80		0.9		2.4		4.0		4.7		4.0		2.4		0.9		
-90	0.1	0.9		2.4		4.0		4.7		4.0		2.4		0.9		0.1

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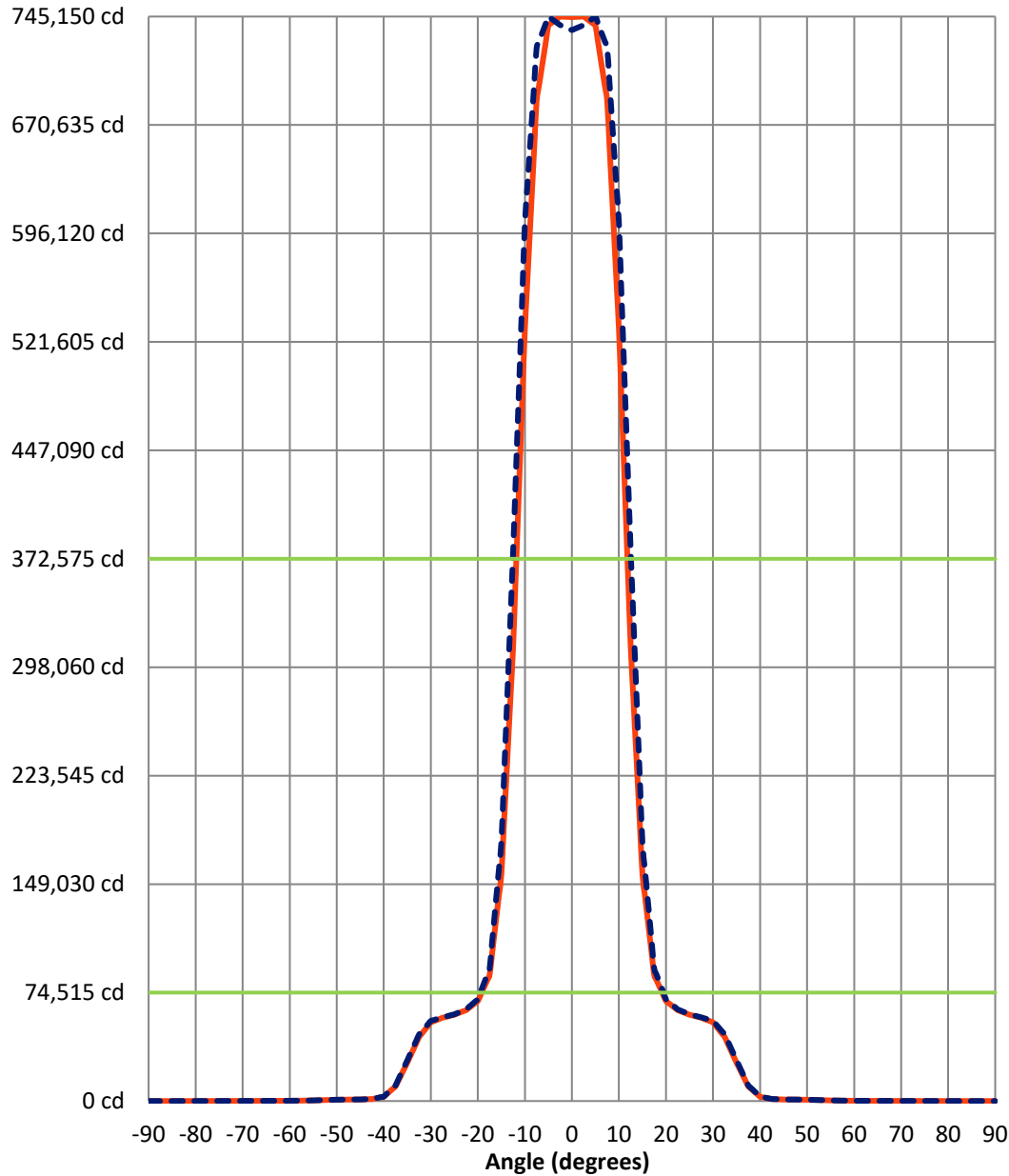
Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 25.1°
 V Angle: 23.6°
 Lumens: 95412
 Efficiency: 53.2%

Field:
 H Angle: 38.9°
 V Angle: 38.4°
 Lumens: 132886.1
 Efficiency: 74.1%

Spill:
 Lumens: 46341.1
 Efficiency: 25.9%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through -2.5-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	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.3	2.6
85°	0.0	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.2	7.0	7.7
80°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.3
77.5°	0.0	1.3	2.6	4.0	5.3	6.6	7.8	9.1	10.4	11.6	13.1
75°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.5	14.7	16.9
72.5°	0.0	1.8	3.7	5.5	7.3	9.1	10.9	12.9	15.5	18.1	20.6
70°	0.0	2.1	4.2	6.2	8.3	10.4	12.5	15.5	18.5	21.4	24.9
67.5°	0.0	2.3	4.7	7.0	9.3	11.6	14.7	18.1	21.4	25.4	29.3
65°	0.0	2.6	5.2	7.7	10.3	13.1	16.9	20.6	24.9	29.3	33.9
62.5°	0.0	2.8	5.6	8.4	11.2	14.9	19.0	23.4	28.3	33.3	39.0
60°	0.0	3.0	6.1	9.1	12.2	16.6	21.1	26.4	31.7	37.8	44.0
57.5°	0.0	3.3	6.5	9.8	13.5	18.3	23.5	29.3	35.5	42.3	49.4
55°	0.0	3.5	7.0	10.5	14.8	20.0	25.9	32.1	39.3	46.7	54.9
52.5°	0.0	3.7	7.4	11.1	16.1	21.6	28.2	35.3	43.1	51.5	60.2
50°	0.0	3.9	7.8	11.7	17.3	23.5	30.5	38.4	46.8	56.2	67.6
47.5°	0.0	4.1	8.2	12.4	18.5	25.3	32.8	41.5	50.8	60.7	75.0
45°	0.0	4.3	8.6	13.3	19.7	27.1	35.3	44.4	54.7	67.0	82.1
42.5°	0.0	4.5	9.0	14.1	20.8	28.8	37.7	47.5	58.4	73.2	87.6
40°	0.0	4.7	9.3	14.9	21.9	30.4	40.0	50.6	62.5	79.1	92.7
37.5°	0.0	4.8	9.7	15.6	23.2	31.9	42.2	53.5	67.4	84.3	97.6
35°	0.0	5.0	10.0	16.3	24.3	33.5	44.2	56.3	72.1	88.4	102.4
32.5°	0.0	5.1	10.3	17.0	25.4	35.1	46.3	58.9	76.5	92.3	107.2
30°	0.0	5.3	10.6	17.6	26.4	36.6	48.4	61.6	80.7	95.9	111.7
27.5°	0.0	5.4	10.8	18.2	27.3	38.0	50.3	65.0	84.2	99.3	116.0
25°	0.0	5.5	11.1	18.7	28.2	39.3	52.1	68.1	87.0	102.7	119.9
22.5°	0.0	5.6	11.3	19.2	29.0	40.5	53.7	70.9	89.5	105.8	124.0
20°	0.0	5.7	11.5	19.6	29.7	41.6	55.2	73.4	91.7	108.7	127.7
17.5°	0.0	5.8	11.6	20.0	30.3	42.5	56.5	75.7	93.7	111.3	131.0
15°	0.0	5.9	11.8	20.4	30.9	43.3	57.6	77.6	95.5	113.5	133.9
12.5°	0.0	6.0	11.9	20.6	31.3	44.0	58.6	79.3	97.0	115.4	136.4
10°	0.0	6.0	12.0	20.9	31.7	44.6	59.4	80.7	98.2	116.9	138.4
7.5°	0.0	6.0	12.1	21.1	32.0	45.0	60.0	81.7	99.2	118.1	140.0
5°	0.0	6.1	12.2	21.2	32.2	45.3	60.4	82.5	99.9	119.0	141.1
2.5°	0.0	6.1	12.2	21.3	32.4	45.5	60.7	82.9	100.3	119.5	141.8
0°	0.0	6.1	12.2	21.3	32.4	45.6	60.8	83.1	100.4	119.7	142.0
-2.5°	0.0	6.1	12.2	21.3	32.4	45.6	60.8	83.1	100.4	119.7	142.0
-5°	0.0	6.1	12.2	21.2	32.2	45.3	60.4	82.5	99.9	119.0	141.1
-7.5°	0.0	6.0	12.1	21.1	32.0	45.0	60.0	81.7	99.2	118.1	140.0
-10°	0.0	6.0	12.0	20.9	31.7	44.6	59.4	80.7	98.2	116.9	138.4
-12.5°	0.0	6.0	11.9	20.6	31.3	44.0	58.6	79.3	97.0	115.4	136.4
-15°	0.0	5.9	11.8	20.4	30.9	43.3	57.6	77.6	95.5	113.5	133.9
-17.5°	0.0	5.8	11.6	20.0	30.3	42.5	56.5	75.7	93.7	111.3	131.0
-20°	0.0	5.7	11.5	19.6	29.7	41.6	55.2	73.4	91.7	108.7	127.7



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 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.6	11.3	19.2	29.0	40.5	53.7	70.9	89.5	105.8	124.0
-25°	0.0	5.5	11.1	18.7	28.2	39.3	52.1	68.1	87.0	102.7	119.9
-27.5°	0.0	5.4	10.8	18.2	27.3	38.0	50.3	65.0	84.2	99.3	116.0
-30°	0.0	5.3	10.6	17.6	26.4	36.6	48.4	61.6	80.7	95.9	111.7
-32.5°	0.0	5.1	10.3	17.0	25.4	35.1	46.3	58.9	76.5	92.3	107.2
-35°	0.0	5.0	10.0	16.3	24.3	33.5	44.2	56.3	72.1	88.4	102.4
-37.5°	0.0	4.8	9.7	15.6	23.2	31.9	42.2	53.5	67.4	84.3	97.6
-40°	0.0	4.7	9.3	14.9	21.9	30.4	40.0	50.6	62.5	79.1	92.7
-42.5°	0.0	4.5	9.0	14.1	20.8	28.8	37.7	47.5	58.4	73.2	87.6
-45°	0.0	4.3	8.6	13.3	19.7	27.1	35.3	44.4	54.7	67.0	82.1
-47.5°	0.0	4.1	8.2	12.4	18.5	25.3	32.8	41.5	50.8	60.7	75.0
-50°	0.0	3.9	7.8	11.7	17.3	23.5	30.5	38.4	46.8	56.2	67.6
-52.5°	0.0	3.7	7.4	11.1	16.1	21.6	28.2	35.3	43.1	51.5	60.2
-55°	0.0	3.5	7.0	10.5	14.8	20.0	25.9	32.1	39.3	46.7	54.9
-57.5°	0.0	3.3	6.5	9.8	13.5	18.3	23.5	29.3	35.5	42.3	49.4
-60°	0.0	3.0	6.1	9.1	12.2	16.6	21.1	26.4	31.7	37.8	44.0
-62.5°	0.0	2.8	5.6	8.4	11.2	14.9	19.0	23.4	28.3	33.3	39.0
-65°	0.0	2.6	5.2	7.7	10.3	13.1	16.9	20.6	24.9	29.3	33.9
-67.5°	0.0	2.3	4.7	7.0	9.3	11.6	14.7	18.1	21.4	25.4	29.3
-70°	0.0	2.1	4.2	6.2	8.3	10.4	12.5	15.5	18.5	21.4	24.9
-72.5°	0.0	1.8	3.7	5.5	7.3	9.1	10.9	12.9	15.5	18.1	20.6
-75°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.5	14.7	16.9
-77.5°	0.0	1.3	2.6	4.0	5.3	6.6	7.8	9.1	10.4	11.6	13.1
-80°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.3
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.2	7.0	7.7
-85°	0.0	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.3	2.6
-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: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-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°	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.8
85°	5.6	6.1	6.5	7.0	7.4	7.8	8.2	8.6	9.0	9.3	9.7
82.5°	8.4	9.1	9.8	10.5	11.1	11.7	12.4	13.3	14.1	14.9	15.6
80°	11.2	12.2	13.5	14.8	16.1	17.3	18.5	19.7	20.8	21.9	23.2
77.5°	14.9	16.6	18.3	20.0	21.6	23.5	25.3	27.1	28.8	30.4	31.9
75°	19.0	21.1	23.5	25.9	28.2	30.5	32.8	35.3	37.7	40.0	42.2
72.5°	23.4	26.4	29.3	32.1	35.3	38.4	41.5	44.4	47.5	50.6	53.5
70°	28.3	31.7	35.5	39.3	43.1	46.8	50.8	54.7	58.4	62.5	67.4
67.5°	33.3	37.8	42.3	46.7	51.5	56.2	60.7	67.0	73.2	79.1	84.3
65°	39.0	44.0	49.4	54.9	60.2	67.6	75.0	82.1	87.6	92.7	97.6
62.5°	44.6	50.8	56.9	64.0	72.6	81.0	87.8	93.9	99.7	105.9	111.9
60°	50.8	57.6	66.0	75.7	84.6	91.7	98.6	105.8	113.0	119.9	127.5
57.5°	56.9	66.0	76.7	86.2	94.1	102.0	110.3	118.4	127.2	135.8	144.7
55°	64.0	75.7	86.2	94.9	103.8	113.0	122.4	132.4	142.2	154.5	166.3
52.5°	72.6	84.6	94.1	103.8	113.9	124.5	135.6	147.8	161.6	176.0	192.6
50°	81.0	91.7	102.0	113.0	124.5	136.7	150.7	165.9	183.5	202.2	233.2
47.5°	87.8	98.6	110.3	122.4	135.6	150.7	167.4	187.4	208.0	251.1	294.9
45°	93.9	105.8	118.4	132.4	147.8	165.9	187.4	209.9	260.1	316.2	396.9
42.5°	99.7	113.0	127.2	142.2	161.6	183.5	208.0	260.1	324.1	412.9	531.7
40°	105.9	119.9	135.8	154.5	176.0	202.2	251.1	316.2	412.9	545.4	698.2
37.5°	111.9	127.5	144.7	166.3	192.6	233.2	294.9	396.9	531.7	698.2	834.7
35°	117.6	134.7	155.1	179.5	208.5	272.4	365.1	490.7	670.2	822.7	945.8
32.5°	123.4	141.5	164.9	193.4	241.4	318.1	434.1	614.8	786.9	931.8	1017.8
30°	129.3	149.7	175.0	206.6	274.0	378.8	532.8	728.1	892.3	996.3	1061.7
27.5°	134.7	157.6	186.2	230.4	309.2	435.7	635.9	820.8	961.0	1048.9	1090.2
25°	139.7	164.9	196.7	256.5	358.1	514.7	727.6	907.3	1014.3	1074.0	1234.3
22.5°	145.0	171.6	206.2	280.5	403.0	596.5	801.6	958.4	1051.7	1103.3	1399.2
20°	150.4	179.5	221.3	305.1	443.7	670.8	869.1	1000.2	1071.5	1244.0	1923.9
17.5°	155.3	186.5	239.0	338.5	500.5	732.2	925.3	1037.8	1089.2	1370.9	2573.7
15°	159.5	192.6	254.5	367.7	554.1	781.1	955.8	1054.8	1154.4	1603.4	3210.6
12.5°	163.1	197.9	267.7	392.7	599.9	822.9	981.9	1067.3	1243.5	2061.7	5532.8
10°	166.1	202.2	278.6	413.3	637.7	857.5	1003.5	1077.5	1317.3	2442.6	7466.7
7.5°	168.4	205.5	287.1	429.4	667.4	884.6	1020.4	1085.6	1375.4	2742.6	8992.8
5°	170.1	208.0	293.2	440.9	688.6	904.1	1032.6	1091.4	1417.3	2958.9	10095.2
2.5°	171.1	209.4	296.9	447.9	701.4	915.8	1039.9	1094.9	1442.6	3089.6	10761.7
0°	171.4	209.9	298.1	450.2	705.7	919.7	1042.4	1096.1	1451.0	3133.3	10984.7
-2.5°	171.1	209.4	296.9	447.9	701.4	915.8	1039.9	1094.9	1442.6	3089.6	10761.7
-5°	170.1	208.0	293.2	440.9	688.6	904.1	1032.6	1091.4	1417.3	2958.9	10095.2
-7.5°	168.4	205.5	287.1	429.4	667.4	884.6	1020.4	1085.6	1375.4	2742.6	8992.8
-10°	166.1	202.2	278.6	413.3	637.7	857.5	1003.5	1077.5	1317.3	2442.6	7466.7
-12.5°	163.1	197.9	267.7	392.7	599.9	822.9	981.9	1067.3	1243.5	2061.7	5532.8
-15°	159.5	192.6	254.5	367.7	554.1	781.1	955.8	1054.8	1154.4	1603.4	3210.6
-17.5°	155.3	186.5	239.0	338.5	500.5	732.2	925.3	1037.8	1089.2	1370.9	2573.7
-20°	150.4	179.5	221.3	305.1	443.7	670.8	869.1	1000.2	1071.5	1244.0	1923.9



REPORT NUMBER: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	145.0	171.6	206.2	280.5	403.0	596.5	801.6	958.4	1051.7	1103.3	1399.2
-25°	139.7	164.9	196.7	256.5	358.1	514.7	727.6	907.3	1014.3	1074.0	1234.3
-27.5°	134.7	157.6	186.2	230.4	309.2	435.7	635.9	820.8	961.0	1048.9	1090.2
-30°	129.3	149.7	175.0	206.6	274.0	378.8	532.8	728.1	892.3	996.3	1061.7
-32.5°	123.4	141.5	164.9	193.4	241.4	318.1	434.1	614.8	786.9	931.8	1017.8
-35°	117.6	134.7	155.1	179.5	208.5	272.4	365.1	490.7	670.2	822.7	945.8
-37.5°	111.9	127.5	144.7	166.3	192.6	233.2	294.9	396.9	531.7	698.2	834.7
-40°	105.9	119.9	135.8	154.5	176.0	202.2	251.1	316.2	412.9	545.4	698.2
-42.5°	99.7	113.0	127.2	142.2	161.6	183.5	208.0	260.1	324.1	412.9	531.7
-45°	93.9	105.8	118.4	132.4	147.8	165.9	187.4	209.9	260.1	316.2	396.9
-47.5°	87.8	98.6	110.3	122.4	135.6	150.7	167.4	187.4	208.0	251.1	294.9
-50°	81.0	91.7	102.0	113.0	124.5	136.7	150.7	165.9	183.5	202.2	233.2
-52.5°	72.6	84.6	94.1	103.8	113.9	124.5	135.6	147.8	161.6	176.0	192.6
-55°	64.0	75.7	86.2	94.9	103.8	113.0	122.4	132.4	142.2	154.5	166.3
-57.5°	56.9	66.0	76.7	86.2	94.1	102.0	110.3	118.4	127.2	135.8	144.7
-60°	50.8	57.6	66.0	75.7	84.6	91.7	98.6	105.8	113.0	119.9	127.5
-62.5°	44.6	50.8	56.9	64.0	72.6	81.0	87.8	93.9	99.7	105.9	111.9
-65°	39.0	44.0	49.4	54.9	60.2	67.6	75.0	82.1	87.6	92.7	97.6
-67.5°	33.3	37.8	42.3	46.7	51.5	56.2	60.7	67.0	73.2	79.1	84.3
-70°	28.3	31.7	35.5	39.3	43.1	46.8	50.8	54.7	58.4	62.5	67.4
-72.5°	23.4	26.4	29.3	32.1	35.3	38.4	41.5	44.4	47.5	50.6	53.5
-75°	19.0	21.1	23.5	25.9	28.2	30.5	32.8	35.3	37.7	40.0	42.2
-77.5°	14.9	16.6	18.3	20.0	21.6	23.5	25.3	27.1	28.8	30.4	31.9
-80°	11.2	12.2	13.5	14.8	16.1	17.3	18.5	19.7	20.8	21.9	23.2
-82.5°	8.4	9.1	9.8	10.5	11.1	11.7	12.4	13.3	14.1	14.9	15.6
-85°	5.6	6.1	6.5	7.0	7.4	7.8	8.2	8.6	9.0	9.3	9.7
-87.5°	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	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



REPORT NUMBER: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-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°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0
85°	10.0	10.3	10.6	10.8	11.1	11.3	11.5	11.6	11.8	11.9	12.0
82.5°	16.3	17.0	17.6	18.2	18.7	19.2	19.6	20.0	20.4	20.6	20.9
80°	24.3	25.4	26.4	27.3	28.2	29.0	29.7	30.3	30.9	31.3	31.7
77.5°	33.5	35.1	36.6	38.0	39.3	40.5	41.6	42.5	43.3	44.0	44.6
75°	44.2	46.3	48.4	50.3	52.1	53.7	55.2	56.5	57.6	58.6	59.4
72.5°	56.3	58.9	61.6	65.0	68.1	70.9	73.4	75.7	77.6	79.3	80.7
70°	72.1	76.5	80.7	84.2	87.0	89.5	91.7	93.7	95.5	97.0	98.2
67.5°	88.4	92.3	95.9	99.3	102.7	105.8	108.7	111.3	113.5	115.4	116.9
65°	102.4	107.2	111.7	116.0	119.9	124.0	127.7	131.0	133.9	136.4	138.4
62.5°	117.6	123.4	129.3	134.7	139.7	145.0	150.4	155.3	159.5	163.1	166.1
60°	134.7	141.5	149.7	157.6	164.9	171.6	179.5	186.5	192.6	197.9	202.2
57.5°	155.1	164.9	175.0	186.2	196.7	206.2	221.3	239.0	254.5	267.7	278.6
55°	179.5	193.4	206.6	230.4	256.5	280.5	305.1	338.5	367.7	392.7	413.3
52.5°	208.5	241.4	274.0	309.2	358.1	403.0	443.7	500.5	554.1	599.9	637.7
50°	272.4	318.1	378.8	435.7	514.7	596.5	670.8	732.2	781.1	822.9	857.5
47.5°	365.1	434.1	532.8	635.9	727.6	801.6	869.1	925.3	955.8	981.9	1003.5
45°	490.7	614.8	728.1	820.8	907.3	958.4	1000.2	1037.8	1054.8	1067.3	1077.5
42.5°	670.2	786.9	892.3	961.0	1014.3	1051.7	1071.5	1089.2	1154.4	1243.5	1317.3
40°	822.7	931.8	996.3	1048.9	1074.0	1103.3	1244.0	1370.9	1603.4	2061.7	2442.6
37.5°	945.8	1017.8	1061.7	1090.2	1234.3	1399.2	1923.9	2573.7	3210.6	5532.8	7466.7
35°	1025.0	1068.1	1122.6	1323.5	1744.8	2583.3	4174.5	7449.0	10361.5	15238.5	19955.7
32.5°	1068.1	1144.6	1368.6	2074.0	3033.2	6860.1	10741.2	18357.1	25425.4	31599.5	36797.9
30°	1122.6	1368.6	2184.7	3730.6	8504.0	15485.8	24831.3	33430.1	41173.7	47152.3	50065.7
27.5°	1323.5	2074.0	3730.6	9057.6	18050.7	28809.3	38955.0	47332.2	51641.7	55421.7	56193.7
25°	1744.8	3033.2	8504.0	18050.7	30164.1	41771.0	49579.9	54745.8	56387.1	57369.6	58185.6
22.5°	2583.3	6860.1	15485.8	28809.3	41771.0	50339.8	55651.4	56977.9	58170.7	59213.5	60372.6
20°	4174.5	10741.2	24831.3	38955.0	49579.9	55651.4	57178.3	58579.0	59958.6	61856.4	63844.2
17.5°	7449.0	18357.1	33430.1	47332.2	54745.8	56977.9	58579.0	60321.3	62625.6	66385.1	70190.2
15°	10361.5	25425.4	41173.7	51641.7	56387.1	58170.7	59958.6	62625.6	67256.6	75443.7	88481.8
12.5°	15238.5	31599.5	47152.3	55421.7	57369.6	59213.5	61856.4	66385.1	75443.7	91648.5	149517.8
10°	19955.7	36797.9	50065.7	56193.7	58185.6	60372.6	63844.2	70190.2	88481.8	149517.8	254418.7
7.5°	23686.9	40921.1	52384.4	56800.4	58835.3	61568.9	66632.8	79349.4	120948.0	220146.5	404298.8
5°	26386.9	43911.4	54070.6	57243.2	59311.6	62450.9	68704.5	86575.0	155596.9	312204.6	530239.9
2.5°	28021.3	45724.3	55094.9	57512.8	59602.5	62992.0	69982.9	91070.2	177412.9	377855.7	603238.1
0°	28568.5	46331.8	55438.5	57603.4	59700.4	63174.4	70415.3	92597.6	184875.9	402023.4	628220.9
-2.5°	28021.3	45724.3	55094.9	57512.8	59602.5	62992.0	69982.9	91070.2	177412.9	377855.7	603238.1
-5°	26386.9	43911.4	54070.6	57243.2	59311.6	62450.9	68704.5	86575.0	155596.9	312204.6	530239.9
-7.5°	23686.9	40921.1	52384.4	56800.4	58835.3	61568.9	66632.8	79349.4	120948.0	220146.5	404298.8
-10°	19955.7	36797.9	50065.7	56193.7	58185.6	60372.6	63844.2	70190.2	88481.8	149517.8	254418.7
-12.5°	15238.5	31599.5	47152.3	55421.7	57369.6	59213.5	61856.4	66385.1	75443.7	91648.5	149517.8
-15°	10361.5	25425.4	41173.7	51641.7	56387.1	58170.7	59958.6	62625.6	67256.6	75443.7	88481.8
-17.5°	7449.0	18357.1	33430.1	47332.2	54745.8	56977.9	58579.0	60321.3	62625.6	66385.1	70190.2
-20°	4174.5	10741.2	24831.3	38955.0	49579.9	55651.4	57178.3	58579.0	59958.6	61856.4	63844.2



REPORT NUMBER: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2583.3	6860.1	15485.8	28809.3	41771.0	50339.8	55651.4	56977.9	58170.7	59213.5	60372.6
-25°	1744.8	3033.2	8504.0	18050.7	30164.1	41771.0	49579.9	54745.8	56387.1	57369.6	58185.6
-27.5°	1323.5	2074.0	3730.6	9057.6	18050.7	28809.3	38955.0	47332.2	51641.7	55421.7	56193.7
-30°	1122.6	1368.6	2184.7	3730.6	8504.0	15485.8	24831.3	33430.1	41173.7	47152.3	50065.7
-32.5°	1068.1	1144.6	1368.6	2074.0	3033.2	6860.1	10741.2	18357.1	25425.4	31599.5	36797.9
-35°	1025.0	1068.1	1122.6	1323.5	1744.8	2583.3	4174.5	7449.0	10361.5	15238.5	19955.7
-37.5°	945.8	1017.8	1061.7	1090.2	1234.3	1399.2	1923.9	2573.7	3210.6	5532.8	7466.7
-40°	822.7	931.8	996.3	1048.9	1074.0	1103.3	1244.0	1370.9	1603.4	2061.7	2442.6
-42.5°	670.2	786.9	892.3	961.0	1014.3	1051.7	1071.5	1089.2	1154.4	1243.5	1317.3
-45°	490.7	614.8	728.1	820.8	907.3	958.4	1000.2	1037.8	1054.8	1067.3	1077.5
-47.5°	365.1	434.1	532.8	635.9	727.6	801.6	869.1	925.3	955.8	981.9	1003.5
-50°	272.4	318.1	378.8	435.7	514.7	596.5	670.8	732.2	781.1	822.9	857.5
-52.5°	208.5	241.4	274.0	309.2	358.1	403.0	443.7	500.5	554.1	599.9	637.7
-55°	179.5	193.4	206.6	230.4	256.5	280.5	305.1	338.5	367.7	392.7	413.3
-57.5°	155.1	164.9	175.0	186.2	196.7	206.2	221.3	239.0	254.5	267.7	278.6
-60°	134.7	141.5	149.7	157.6	164.9	171.6	179.5	186.5	192.6	197.9	202.2
-62.5°	117.6	123.4	129.3	134.7	139.7	145.0	150.4	155.3	159.5	163.1	166.1
-65°	102.4	107.2	111.7	116.0	119.9	124.0	127.7	131.0	133.9	136.4	138.4
-67.5°	88.4	92.3	95.9	99.3	102.7	105.8	108.7	111.3	113.5	115.4	116.9
-70°	72.1	76.5	80.7	84.2	87.0	89.5	91.7	93.7	95.5	97.0	98.2
-72.5°	56.3	58.9	61.6	65.0	68.1	70.9	73.4	75.7	77.6	79.3	80.7
-75°	44.2	46.3	48.4	50.3	52.1	53.7	55.2	56.5	57.6	58.6	59.4
-77.5°	33.5	35.1	36.6	38.0	39.3	40.5	41.6	42.5	43.3	44.0	44.6
-80°	24.3	25.4	26.4	27.3	28.2	29.0	29.7	30.3	30.9	31.3	31.7
-82.5°	16.3	17.0	17.6	18.2	18.7	19.2	19.6	20.0	20.4	20.6	20.9
-85°	10.0	10.3	10.6	10.8	11.1	11.3	11.5	11.6	11.8	11.9	12.0
-87.5°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-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°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8
85°	12.1	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.9	11.8	11.6
82.5°	21.1	21.2	21.3	21.3	21.3	21.2	21.1	20.9	20.6	20.4	20.0
80°	32.0	32.2	32.4	32.4	32.4	32.2	32.0	31.7	31.3	30.9	30.3
77.5°	45.0	45.3	45.5	45.6	45.5	45.3	45.0	44.6	44.0	43.3	42.5
75°	60.0	60.4	60.7	60.8	60.7	60.4	60.0	59.4	58.6	57.6	56.5
72.5°	81.7	82.5	82.9	83.1	82.9	82.5	81.7	80.7	79.3	77.6	75.7
70°	99.2	99.9	100.3	100.4	100.3	99.9	99.2	98.2	97.0	95.5	93.7
67.5°	118.1	119.0	119.5	119.7	119.5	119.0	118.1	116.9	115.4	113.5	111.3
65°	140.0	141.1	141.8	142.0	141.8	141.1	140.0	138.4	136.4	133.9	131.0
62.5°	168.4	170.1	171.1	171.4	171.1	170.1	168.4	166.1	163.1	159.5	155.3
60°	205.5	208.0	209.4	209.9	209.4	208.0	205.5	202.2	197.9	192.6	186.5
57.5°	287.1	293.2	296.9	298.1	296.9	293.2	287.1	278.6	267.7	254.5	239.0
55°	429.4	440.9	447.9	450.2	447.9	440.9	429.4	413.3	392.7	367.7	338.5
52.5°	667.4	688.6	701.4	705.7	701.4	688.6	667.4	637.7	599.9	554.1	500.5
50°	884.6	904.1	915.8	919.7	915.8	904.1	884.6	857.5	822.9	781.1	732.2
47.5°	1020.4	1032.6	1039.9	1042.4	1039.9	1032.6	1020.4	1003.5	981.9	955.8	925.3
45°	1085.6	1091.4	1094.9	1096.1	1094.9	1091.4	1085.6	1077.5	1067.3	1054.8	1037.8
42.5°	1375.4	1417.3	1442.6	1451.0	1442.6	1417.3	1375.4	1317.3	1243.5	1154.4	1089.2
40°	2742.6	2958.9	3089.6	3133.3	3089.6	2958.9	2742.6	2442.6	2061.7	1603.4	1370.9
37.5°	8992.8	10095.2	10761.7	10984.7	10761.7	10095.2	8992.8	7466.7	5532.8	3210.6	2573.7
35°	23686.9	26386.9	28021.3	28568.5	28021.3	26386.9	23686.9	19955.7	15238.5	10361.5	7449.0
32.5°	40921.1	43911.4	45724.3	46331.8	45724.3	43911.4	40921.1	36797.9	31599.5	25425.4	18357.1
30°	52384.4	54070.6	55094.9	55438.5	55094.9	54070.6	52384.4	50065.7	47152.3	41173.7	33430.1
27.5°	56800.4	57243.2	57512.8	57603.4	57512.8	57243.2	56800.4	56193.7	55421.7	51641.7	47332.2
25°	58835.3	59311.6	59602.5	59700.4	59602.5	59311.6	58835.3	58185.6	57369.6	56387.1	54745.8
22.5°	61568.9	62450.9	62992.0	63174.4	62992.0	62450.9	61568.9	60372.6	59213.5	58170.7	56977.9
20°	66632.8	68704.5	69982.9	70415.3	69982.9	68704.5	66632.8	63844.2	61856.4	59958.6	58579.0
17.5°	79349.4	86575.0	91070.2	92597.6	91070.2	86575.0	79349.4	70190.2	66385.1	62625.6	60321.3
15°	120948.0	155596.9	177412.9	184875.9	177412.9	155596.9	120948.0	88481.8	75443.7	67256.6	62625.6
12.5°	220146.5	312204.6	377855.7	402023.4	377855.7	312204.6	220146.5	149517.8	91648.5	75443.7	66385.1
10°	404298.8	530239.9	603238.1	628220.9	603238.1	530239.9	404298.8	254418.7	149517.8	88481.8	70190.2
7.5°	579726.8	687213.8	723769.1	731152.3	723769.1	687213.8	579726.8	404298.8	220146.5	120948.0	79349.4
5°	687213.8	739084.2	745149.8	744748.0	745149.8	739084.2	687213.8	530239.9	312204.6	155596.9	86575.0
2.5°	723769.1	745149.8	739274.7	735868.4	739274.7	745149.8	723769.1	603238.1	377855.7	177412.9	91070.2
0°	731152.3	744748.0	735868.4	733410.4	735868.4	744748.0	731152.3	628220.9	402023.4	184875.9	92597.6
-2.5°	723769.1	745149.8	739274.7	735868.4	739274.7	745149.8	723769.1	603238.1	377855.7	177412.9	91070.2
-5°	687213.8	739084.2	745149.8	744748.0	745149.8	739084.2	687213.8	530239.9	312204.6	155596.9	86575.0
-7.5°	579726.8	687213.8	723769.1	731152.3	723769.1	687213.8	579726.8	404298.8	220146.5	120948.0	79349.4
-10°	404298.8	530239.9	603238.1	628220.9	603238.1	530239.9	404298.8	254418.7	149517.8	88481.8	70190.2
-12.5°	220146.5	312204.6	377855.7	402023.4	377855.7	312204.6	220146.5	149517.8	91648.5	75443.7	66385.1
-15°	120948.0	155596.9	177412.9	184875.9	177412.9	155596.9	120948.0	88481.8	75443.7	67256.6	62625.6
-17.5°	79349.4	86575.0	91070.2	92597.6	91070.2	86575.0	79349.4	70190.2	66385.1	62625.6	60321.3
-20°	66632.8	68704.5	69982.9	70415.3	69982.9	68704.5	66632.8	63844.2	61856.4	59958.6	58579.0



REPORT NUMBER: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	61568.9	62450.9	62992.0	63174.4	62992.0	62450.9	61568.9	60372.6	59213.5	58170.7	56977.9
-25°	58835.3	59311.6	59602.5	59700.4	59602.5	59311.6	58835.3	58185.6	57369.6	56387.1	54745.8
-27.5°	56800.4	57243.2	57512.8	57603.4	57512.8	57243.2	56800.4	56193.7	55421.7	51641.7	47332.2
-30°	52384.4	54070.6	55094.9	55438.5	55094.9	54070.6	52384.4	50065.7	47152.3	41173.7	33430.1
-32.5°	40921.1	43911.4	45724.3	46331.8	45724.3	43911.4	40921.1	36797.9	31599.5	25425.4	18357.1
-35°	23686.9	26386.9	28021.3	28568.5	28021.3	26386.9	23686.9	19955.7	15238.5	10361.5	7449.0
-37.5°	8992.8	10095.2	10761.7	10984.7	10761.7	10095.2	8992.8	7466.7	5532.8	3210.6	2573.7
-40°	2742.6	2958.9	3089.6	3133.3	3089.6	2958.9	2742.6	2442.6	2061.7	1603.4	1370.9
-42.5°	1375.4	1417.3	1442.6	1451.0	1442.6	1417.3	1375.4	1317.3	1243.5	1154.4	1089.2
-45°	1085.6	1091.4	1094.9	1096.1	1094.9	1091.4	1085.6	1077.5	1067.3	1054.8	1037.8
-47.5°	1020.4	1032.6	1039.9	1042.4	1039.9	1032.6	1020.4	1003.5	981.9	955.8	925.3
-50°	884.6	904.1	915.8	919.7	915.8	904.1	884.6	857.5	822.9	781.1	732.2
-52.5°	667.4	688.6	701.4	705.7	701.4	688.6	667.4	637.7	599.9	554.1	500.5
-55°	429.4	440.9	447.9	450.2	447.9	440.9	429.4	413.3	392.7	367.7	338.5
-57.5°	287.1	293.2	296.9	298.1	296.9	293.2	287.1	278.6	267.7	254.5	239.0
-60°	205.5	208.0	209.4	209.9	209.4	208.0	205.5	202.2	197.9	192.6	186.5
-62.5°	168.4	170.1	171.1	171.4	171.1	170.1	168.4	166.1	163.1	159.5	155.3
-65°	140.0	141.1	141.8	142.0	141.8	141.1	140.0	138.4	136.4	133.9	131.0
-67.5°	118.1	119.0	119.5	119.7	119.5	119.0	118.1	116.9	115.4	113.5	111.3
-70°	99.2	99.9	100.3	100.4	100.3	99.9	99.2	98.2	97.0	95.5	93.7
-72.5°	81.7	82.5	82.9	83.1	82.9	82.5	81.7	80.7	79.3	77.6	75.7
-75°	60.0	60.4	60.7	60.8	60.7	60.4	60.0	59.4	58.6	57.6	56.5
-77.5°	45.0	45.3	45.5	45.6	45.5	45.3	45.0	44.6	44.0	43.3	42.5
-80°	32.0	32.2	32.4	32.4	32.4	32.2	32.0	31.7	31.3	30.9	30.3
-82.5°	21.1	21.2	21.3	21.3	21.3	21.2	21.1	20.9	20.6	20.4	20.0
-85°	12.1	12.2	12.2	12.2	12.2	12.2	12.1	12.0	11.9	11.8	11.6
-87.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8
-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: P699996 (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°	5.7	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3
85°	11.5	11.3	11.1	10.8	10.6	10.3	10.0	9.7	9.3	9.0	8.6
82.5°	19.6	19.2	18.7	18.2	17.6	17.0	16.3	15.6	14.9	14.1	13.3
80°	29.7	29.0	28.2	27.3	26.4	25.4	24.3	23.2	21.9	20.8	19.7
77.5°	41.6	40.5	39.3	38.0	36.6	35.1	33.5	31.9	30.4	28.8	27.1
75°	55.2	53.7	52.1	50.3	48.4	46.3	44.2	42.2	40.0	37.7	35.3
72.5°	73.4	70.9	68.1	65.0	61.6	58.9	56.3	53.5	50.6	47.5	44.4
70°	91.7	89.5	87.0	84.2	80.7	76.5	72.1	67.4	62.5	58.4	54.7
67.5°	108.7	105.8	102.7	99.3	95.9	92.3	88.4	84.3	79.1	73.2	67.0
65°	127.7	124.0	119.9	116.0	111.7	107.2	102.4	97.6	92.7	87.6	82.1
62.5°	150.4	145.0	139.7	134.7	129.3	123.4	117.6	111.9	105.9	99.7	93.9
60°	179.5	171.6	164.9	157.6	149.7	141.5	134.7	127.5	119.9	113.0	105.8
57.5°	221.3	206.2	196.7	186.2	175.0	164.9	155.1	144.7	135.8	127.2	118.4
55°	305.1	280.5	256.5	230.4	206.6	193.4	179.5	166.3	154.5	142.2	132.4
52.5°	443.7	403.0	358.1	309.2	274.0	241.4	208.5	192.6	176.0	161.6	147.8
50°	670.8	596.5	514.7	435.7	378.8	318.1	272.4	233.2	202.2	183.5	165.9
47.5°	869.1	801.6	727.6	635.9	532.8	434.1	365.1	294.9	251.1	208.0	187.4
45°	1000.2	958.4	907.3	820.8	728.1	614.8	490.7	396.9	316.2	260.1	209.9
42.5°	1071.5	1051.7	1014.3	961.0	892.3	786.9	670.2	531.7	412.9	324.1	260.1
40°	1244.0	1103.3	1074.0	1048.9	996.3	931.8	822.7	698.2	545.4	412.9	316.2
37.5°	1923.9	1399.2	1234.3	1090.2	1061.7	1017.8	945.8	834.7	698.2	531.7	396.9
35°	4174.5	2583.3	1744.8	1323.5	1122.6	1068.1	1025.0	945.8	822.7	670.2	490.7
32.5°	10741.2	6860.1	3033.2	2074.0	1368.6	1144.6	1068.1	1017.8	931.8	786.9	614.8
30°	24831.3	15485.8	8504.0	3730.6	2184.7	1368.6	1122.6	1061.7	996.3	892.3	728.1
27.5°	38955.0	28809.3	18050.7	9057.6	3730.6	2074.0	1323.5	1090.2	1048.9	961.0	820.8
25°	49579.9	41771.0	30164.1	18050.7	8504.0	3033.2	1744.8	1234.3	1074.0	1014.3	907.3
22.5°	55651.4	50339.8	41771.0	28809.3	15485.8	6860.1	2583.3	1399.2	1103.3	1051.7	958.4
20°	57178.3	55651.4	49579.9	38955.0	24831.3	10741.2	4174.5	1923.9	1244.0	1071.5	1000.2
17.5°	58579.0	56977.9	54745.8	47332.2	33430.1	18357.1	7449.0	2573.7	1370.9	1089.2	1037.8
15°	59958.6	58170.7	56387.1	51641.7	41173.7	25425.4	10361.5	3210.6	1603.4	1154.4	1054.8
12.5°	61856.4	59213.5	57369.6	55421.7	47152.3	31599.5	15238.5	5532.8	2061.7	1243.5	1067.3
10°	63844.2	60372.6	58185.6	56193.7	50065.7	36797.9	19955.7	7466.7	2442.6	1317.3	1077.5
7.5°	66632.8	61568.9	58835.3	56800.4	52384.4	40921.1	23686.9	8992.8	2742.6	1375.4	1085.6
5°	68704.5	62450.9	59311.6	57243.2	54070.6	43911.4	26386.9	10095.2	2958.9	1417.3	1091.4
2.5°	69982.9	62992.0	59602.5	57512.8	55094.9	45724.3	28021.3	10761.7	3089.6	1442.6	1094.9
0°	70415.3	63174.4	59700.4	57603.4	55438.5	46331.8	28568.5	10984.7	3133.3	1451.0	1096.1
-2.5°	69982.9	62992.0	59602.5	57512.8	55094.9	45724.3	28021.3	10761.7	3089.6	1442.6	1094.9
-5°	68704.5	62450.9	59311.6	57243.2	54070.6	43911.4	26386.9	10095.2	2958.9	1417.3	1091.4
-7.5°	66632.8	61568.9	58835.3	56800.4	52384.4	40921.1	23686.9	8992.8	2742.6	1375.4	1085.6
-10°	63844.2	60372.6	58185.6	56193.7	50065.7	36797.9	19955.7	7466.7	2442.6	1317.3	1077.5
-12.5°	61856.4	59213.5	57369.6	55421.7	47152.3	31599.5	15238.5	5532.8	2061.7	1243.5	1067.3
-15°	59958.6	58170.7	56387.1	51641.7	41173.7	25425.4	10361.5	3210.6	1603.4	1154.4	1054.8
-17.5°	58579.0	56977.9	54745.8	47332.2	33430.1	18357.1	7449.0	2573.7	1370.9	1089.2	1037.8
-20°	57178.3	55651.4	49579.9	38955.0	24831.3	10741.2	4174.5	1923.9	1244.0	1071.5	1000.2



REPORT NUMBER: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	55651.4	50339.8	41771.0	28809.3	15485.8	6860.1	2583.3	1399.2	1103.3	1051.7	958.4
-25°	49579.9	41771.0	30164.1	18050.7	8504.0	3033.2	1744.8	1234.3	1074.0	1014.3	907.3
-27.5°	38955.0	28809.3	18050.7	9057.6	3730.6	2074.0	1323.5	1090.2	1048.9	961.0	820.8
-30°	24831.3	15485.8	8504.0	3730.6	2184.7	1368.6	1122.6	1061.7	996.3	892.3	728.1
-32.5°	10741.2	6860.1	3033.2	2074.0	1368.6	1144.6	1068.1	1017.8	931.8	786.9	614.8
-35°	4174.5	2583.3	1744.8	1323.5	1122.6	1068.1	1025.0	945.8	822.7	670.2	490.7
-37.5°	1923.9	1399.2	1234.3	1090.2	1061.7	1017.8	945.8	834.7	698.2	531.7	396.9
-40°	1244.0	1103.3	1074.0	1048.9	996.3	931.8	822.7	698.2	545.4	412.9	316.2
-42.5°	1071.5	1051.7	1014.3	961.0	892.3	786.9	670.2	531.7	412.9	324.1	260.1
-45°	1000.2	958.4	907.3	820.8	728.1	614.8	490.7	396.9	316.2	260.1	209.9
-47.5°	869.1	801.6	727.6	635.9	532.8	434.1	365.1	294.9	251.1	208.0	187.4
-50°	670.8	596.5	514.7	435.7	378.8	318.1	272.4	233.2	202.2	183.5	165.9
-52.5°	443.7	403.0	358.1	309.2	274.0	241.4	208.5	192.6	176.0	161.6	147.8
-55°	305.1	280.5	256.5	230.4	206.6	193.4	179.5	166.3	154.5	142.2	132.4
-57.5°	221.3	206.2	196.7	186.2	175.0	164.9	155.1	144.7	135.8	127.2	118.4
-60°	179.5	171.6	164.9	157.6	149.7	141.5	134.7	127.5	119.9	113.0	105.8
-62.5°	150.4	145.0	139.7	134.7	129.3	123.4	117.6	111.9	105.9	99.7	93.9
-65°	127.7	124.0	119.9	116.0	111.7	107.2	102.4	97.6	92.7	87.6	82.1
-67.5°	108.7	105.8	102.7	99.3	95.9	92.3	88.4	84.3	79.1	73.2	67.0
-70°	91.7	89.5	87.0	84.2	80.7	76.5	72.1	67.4	62.5	58.4	54.7
-72.5°	73.4	70.9	68.1	65.0	61.6	58.9	56.3	53.5	50.6	47.5	44.4
-75°	55.2	53.7	52.1	50.3	48.4	46.3	44.2	42.2	40.0	37.7	35.3
-77.5°	41.6	40.5	39.3	38.0	36.6	35.1	33.5	31.9	30.4	28.8	27.1
-80°	29.7	29.0	28.2	27.3	26.4	25.4	24.3	23.2	21.9	20.8	19.7
-82.5°	19.6	19.2	18.7	18.2	17.6	17.0	16.3	15.6	14.9	14.1	13.3
-85°	11.5	11.3	11.1	10.8	10.6	10.3	10.0	9.7	9.3	9.0	8.6
-87.5°	5.7	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3
-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: P699996 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5R-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°	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.8
85°	8.2	7.8	7.4	7.0	6.5	6.1	5.6	5.2	4.7	4.2	3.7
82.5°	12.4	11.7	11.1	10.5	9.8	9.1	8.4	7.7	7.0	6.2	5.5
80°	18.5	17.3	16.1	14.8	13.5	12.2	11.2	10.3	9.3	8.3	7.3
77.5°	25.3	23.5	21.6	20.0	18.3	16.6	14.9	13.1	11.6	10.4	9.1
75°	32.8	30.5	28.2	25.9	23.5	21.1	19.0	16.9	14.7	12.5	10.9
72.5°	41.5	38.4	35.3	32.1	29.3	26.4	23.4	20.6	18.1	15.5	12.9
70°	50.8	46.8	43.1	39.3	35.5	31.7	28.3	24.9	21.4	18.5	15.5
67.5°	60.7	56.2	51.5	46.7	42.3	37.8	33.3	29.3	25.4	21.4	18.1
65°	75.0	67.6	60.2	54.9	49.4	44.0	39.0	33.9	29.3	24.9	20.6
62.5°	87.8	81.0	72.6	64.0	56.9	50.8	44.6	39.0	33.3	28.3	23.4
60°	98.6	91.7	84.6	75.7	66.0	57.6	50.8	44.0	37.8	31.7	26.4
57.5°	110.3	102.0	94.1	86.2	76.7	66.0	56.9	49.4	42.3	35.5	29.3
55°	122.4	113.0	103.8	94.9	86.2	75.7	64.0	54.9	46.7	39.3	32.1
52.5°	135.6	124.5	113.9	103.8	94.1	84.6	72.6	60.2	51.5	43.1	35.3
50°	150.7	136.7	124.5	113.0	102.0	91.7	81.0	67.6	56.2	46.8	38.4
47.5°	167.4	150.7	135.6	122.4	110.3	98.6	87.8	75.0	60.7	50.8	41.5
45°	187.4	165.9	147.8	132.4	118.4	105.8	93.9	82.1	67.0	54.7	44.4
42.5°	208.0	183.5	161.6	142.2	127.2	113.0	99.7	87.6	73.2	58.4	47.5
40°	251.1	202.2	176.0	154.5	135.8	119.9	105.9	92.7	79.1	62.5	50.6
37.5°	294.9	233.2	192.6	166.3	144.7	127.5	111.9	97.6	84.3	67.4	53.5
35°	365.1	272.4	208.5	179.5	155.1	134.7	117.6	102.4	88.4	72.1	56.3
32.5°	434.1	318.1	241.4	193.4	164.9	141.5	123.4	107.2	92.3	76.5	58.9
30°	532.8	378.8	274.0	206.6	175.0	149.7	129.3	111.7	95.9	80.7	61.6
27.5°	635.9	435.7	309.2	230.4	186.2	157.6	134.7	116.0	99.3	84.2	65.0
25°	727.6	514.7	358.1	256.5	196.7	164.9	139.7	119.9	102.7	87.0	68.1
22.5°	801.6	596.5	403.0	280.5	206.2	171.6	145.0	124.0	105.8	89.5	70.9
20°	869.1	670.8	443.7	305.1	221.3	179.5	150.4	127.7	108.7	91.7	73.4
17.5°	925.3	732.2	500.5	338.5	239.0	186.5	155.3	131.0	111.3	93.7	75.7
15°	955.8	781.1	554.1	367.7	254.5	192.6	159.5	133.9	113.5	95.5	77.6
12.5°	981.9	822.9	599.9	392.7	267.7	197.9	163.1	136.4	115.4	97.0	79.3
10°	1003.5	857.5	637.7	413.3	278.6	202.2	166.1	138.4	116.9	98.2	80.7
7.5°	1020.4	884.6	667.4	429.4	287.1	205.5	168.4	140.0	118.1	99.2	81.7
5°	1032.6	904.1	688.6	440.9	293.2	208.0	170.1	141.1	119.0	99.9	82.5
2.5°	1039.9	915.8	701.4	447.9	296.9	209.4	171.1	141.8	119.5	100.3	82.9
0°	1042.4	919.7	705.7	450.2	298.1	209.9	171.4	142.0	119.7	100.4	83.1
-2.5°	1039.9	915.8	701.4	447.9	296.9	209.4	171.1	141.8	119.5	100.3	82.9
-5°	1032.6	904.1	688.6	440.9	293.2	208.0	170.1	141.1	119.0	99.9	82.5
-7.5°	1020.4	884.6	667.4	429.4	287.1	205.5	168.4	140.0	118.1	99.2	81.7
-10°	1003.5	857.5	637.7	413.3	278.6	202.2	166.1	138.4	116.9	98.2	80.7
-12.5°	981.9	822.9	599.9	392.7	267.7	197.9	163.1	136.4	115.4	97.0	79.3
-15°	955.8	781.1	554.1	367.7	254.5	192.6	159.5	133.9	113.5	95.5	77.6
-17.5°	925.3	732.2	500.5	338.5	239.0	186.5	155.3	131.0	111.3	93.7	75.7
-20°	869.1	670.8	443.7	305.1	221.3	179.5	150.4	127.7	108.7	91.7	73.4



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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°	801.6	596.5	403.0	280.5	206.2	171.6	145.0	124.0	105.8	89.5	70.9
-25°	727.6	514.7	358.1	256.5	196.7	164.9	139.7	119.9	102.7	87.0	68.1
-27.5°	635.9	435.7	309.2	230.4	186.2	157.6	134.7	116.0	99.3	84.2	65.0
-30°	532.8	378.8	274.0	206.6	175.0	149.7	129.3	111.7	95.9	80.7	61.6
-32.5°	434.1	318.1	241.4	193.4	164.9	141.5	123.4	107.2	92.3	76.5	58.9
-35°	365.1	272.4	208.5	179.5	155.1	134.7	117.6	102.4	88.4	72.1	56.3
-37.5°	294.9	233.2	192.6	166.3	144.7	127.5	111.9	97.6	84.3	67.4	53.5
-40°	251.1	202.2	176.0	154.5	135.8	119.9	105.9	92.7	79.1	62.5	50.6
-42.5°	208.0	183.5	161.6	142.2	127.2	113.0	99.7	87.6	73.2	58.4	47.5
-45°	187.4	165.9	147.8	132.4	118.4	105.8	93.9	82.1	67.0	54.7	44.4
-47.5°	167.4	150.7	135.6	122.4	110.3	98.6	87.8	75.0	60.7	50.8	41.5
-50°	150.7	136.7	124.5	113.0	102.0	91.7	81.0	67.6	56.2	46.8	38.4
-52.5°	135.6	124.5	113.9	103.8	94.1	84.6	72.6	60.2	51.5	43.1	35.3
-55°	122.4	113.0	103.8	94.9	86.2	75.7	64.0	54.9	46.7	39.3	32.1
-57.5°	110.3	102.0	94.1	86.2	76.7	66.0	56.9	49.4	42.3	35.5	29.3
-60°	98.6	91.7	84.6	75.7	66.0	57.6	50.8	44.0	37.8	31.7	26.4
-62.5°	87.8	81.0	72.6	64.0	56.9	50.8	44.6	39.0	33.3	28.3	23.4
-65°	75.0	67.6	60.2	54.9	49.4	44.0	39.0	33.9	29.3	24.9	20.6
-67.5°	60.7	56.2	51.5	46.7	42.3	37.8	33.3	29.3	25.4	21.4	18.1
-70°	50.8	46.8	43.1	39.3	35.5	31.7	28.3	24.9	21.4	18.5	15.5
-72.5°	41.5	38.4	35.3	32.1	29.3	26.4	23.4	20.6	18.1	15.5	12.9
-75°	32.8	30.5	28.2	25.9	23.5	21.1	19.0	16.9	14.7	12.5	10.9
-77.5°	25.3	23.5	21.6	20.0	18.3	16.6	14.9	13.1	11.6	10.4	9.1
-80°	18.5	17.3	16.1	14.8	13.5	12.2	11.2	10.3	9.3	8.3	7.3
-82.5°	12.4	11.7	11.1	10.5	9.8	9.1	8.4	7.7	7.0	6.2	5.5
-85°	8.2	7.8	7.4	7.0	6.5	6.1	5.6	5.2	4.7	4.2	3.7
-87.5°	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.8
-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°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.6	2.1	1.6	1.1	0.5	0.0
82.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
77.5°	7.8	6.6	5.3	4.0	2.6	1.3	0.0
75°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
72.5°	10.9	9.1	7.3	5.5	3.7	1.8	0.0
70°	12.5	10.4	8.3	6.2	4.2	2.1	0.0
67.5°	14.7	11.6	9.3	7.0	4.7	2.3	0.0
65°	16.9	13.1	10.3	7.7	5.2	2.6	0.0
62.5°	19.0	14.9	11.2	8.4	5.6	2.8	0.0
60°	21.1	16.6	12.2	9.1	6.1	3.0	0.0
57.5°	23.5	18.3	13.5	9.8	6.5	3.3	0.0
55°	25.9	20.0	14.8	10.5	7.0	3.5	0.0
52.5°	28.2	21.6	16.1	11.1	7.4	3.7	0.0
50°	30.5	23.5	17.3	11.7	7.8	3.9	0.0
47.5°	32.8	25.3	18.5	12.4	8.2	4.1	0.0
45°	35.3	27.1	19.7	13.3	8.6	4.3	0.0
42.5°	37.7	28.8	20.8	14.1	9.0	4.5	0.0
40°	40.0	30.4	21.9	14.9	9.3	4.7	0.0
37.5°	42.2	31.9	23.2	15.6	9.7	4.8	0.0
35°	44.2	33.5	24.3	16.3	10.0	5.0	0.0
32.5°	46.3	35.1	25.4	17.0	10.3	5.1	0.0
30°	48.4	36.6	26.4	17.6	10.6	5.3	0.0
27.5°	50.3	38.0	27.3	18.2	10.8	5.4	0.0
25°	52.1	39.3	28.2	18.7	11.1	5.5	0.0
22.5°	53.7	40.5	29.0	19.2	11.3	5.6	0.0
20°	55.2	41.6	29.7	19.6	11.5	5.7	0.0
17.5°	56.5	42.5	30.3	20.0	11.6	5.8	0.0
15°	57.6	43.3	30.9	20.4	11.8	5.9	0.0
12.5°	58.6	44.0	31.3	20.6	11.9	6.0	0.0
10°	59.4	44.6	31.7	20.9	12.0	6.0	0.0
7.5°	60.0	45.0	32.0	21.1	12.1	6.0	0.0
5°	60.4	45.3	32.2	21.2	12.2	6.1	0.0
2.5°	60.7	45.5	32.4	21.3	12.2	6.1	0.0
0°	60.8	45.6	32.4	21.3	12.2	6.1	0.0
-2.5°	60.7	45.5	32.4	21.3	12.2	6.1	0.0
-5°	60.4	45.3	32.2	21.2	12.2	6.1	0.0
-7.5°	60.0	45.0	32.0	21.1	12.1	6.0	0.0
-10°	59.4	44.6	31.7	20.9	12.0	6.0	0.0
-12.5°	58.6	44.0	31.3	20.6	11.9	6.0	0.0
-15°	57.6	43.3	30.9	20.4	11.8	5.9	0.0
-17.5°	56.5	42.5	30.3	20.0	11.6	5.8	0.0
-20°	55.2	41.6	29.7	19.6	11.5	5.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.7	40.5	29.0	19.2	11.3	5.6	0.0
-25°	52.1	39.3	28.2	18.7	11.1	5.5	0.0
-27.5°	50.3	38.0	27.3	18.2	10.8	5.4	0.0
-30°	48.4	36.6	26.4	17.6	10.6	5.3	0.0
-32.5°	46.3	35.1	25.4	17.0	10.3	5.1	0.0
-35°	44.2	33.5	24.3	16.3	10.0	5.0	0.0
-37.5°	42.2	31.9	23.2	15.6	9.7	4.8	0.0
-40°	40.0	30.4	21.9	14.9	9.3	4.7	0.0
-42.5°	37.7	28.8	20.8	14.1	9.0	4.5	0.0
-45°	35.3	27.1	19.7	13.3	8.6	4.3	0.0
-47.5°	32.8	25.3	18.5	12.4	8.2	4.1	0.0
-50°	30.5	23.5	17.3	11.7	7.8	3.9	0.0
-52.5°	28.2	21.6	16.1	11.1	7.4	3.7	0.0
-55°	25.9	20.0	14.8	10.5	7.0	3.5	0.0
-57.5°	23.5	18.3	13.5	9.8	6.5	3.3	0.0
-60°	21.1	16.6	12.2	9.1	6.1	3.0	0.0
-62.5°	19.0	14.9	11.2	8.4	5.6	2.8	0.0
-65°	16.9	13.1	10.3	7.7	5.2	2.6	0.0
-67.5°	14.7	11.6	9.3	7.0	4.7	2.3	0.0
-70°	12.5	10.4	8.3	6.2	4.2	2.1	0.0
-72.5°	10.9	9.1	7.3	5.5	3.7	1.8	0.0
-75°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
-77.5°	7.8	6.6	5.3	4.0	2.6	1.3	0.0
-80°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
-82.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.6	2.1	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)