

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: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-70-4R-A**

Issue Date: 2/3/2026

Test Information

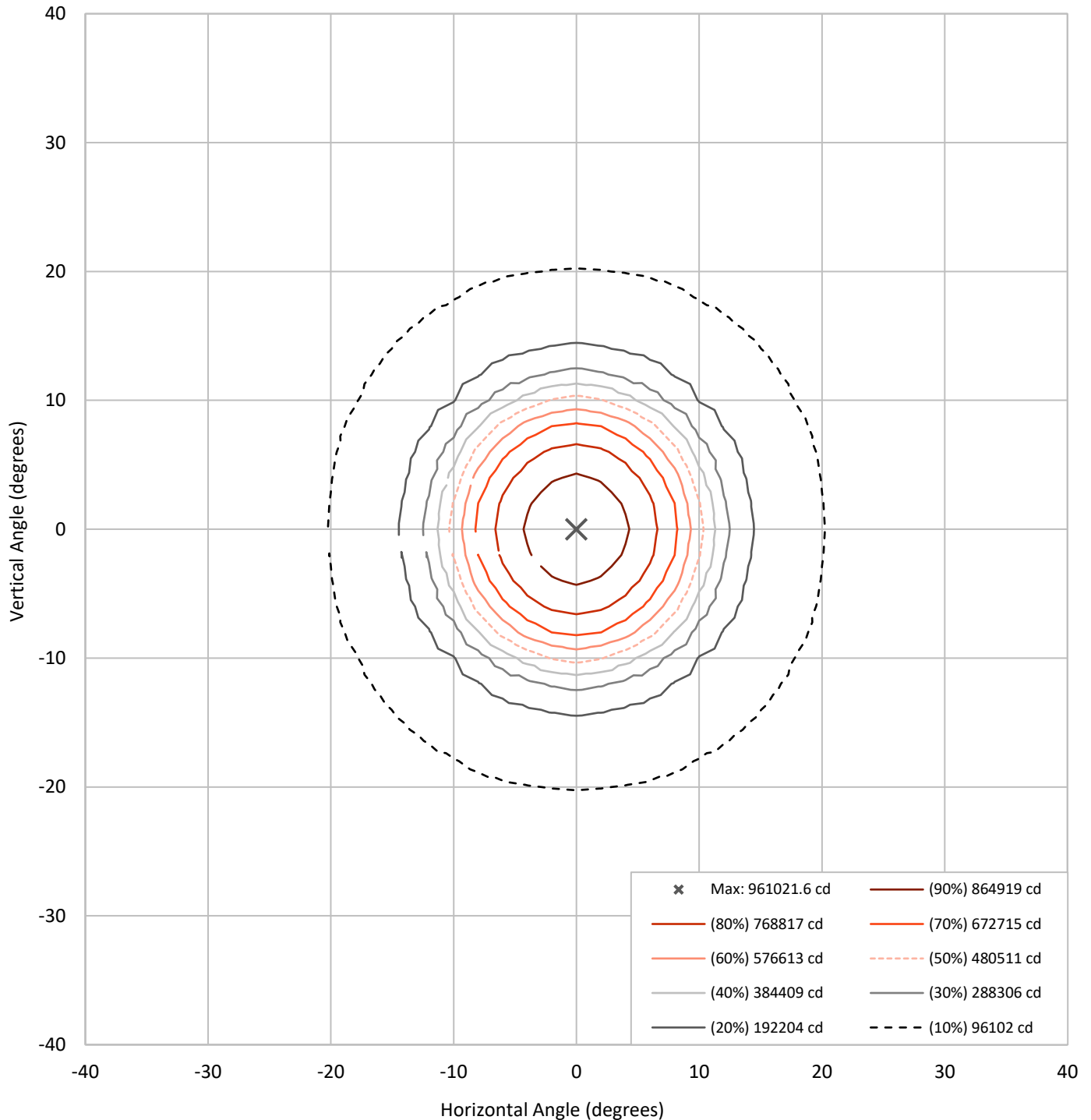
Test Method: LM-79-08
Report Number: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-17)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-57-70-4R-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 4R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	187005.4 lumens	Max Intensity:	961021.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	152.9 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	20.7°H x 20.7°V	Field Angle (10%):	40.5°H x 40.5°V
Beam Lumens:	71791.3 lumens	Field Lumens:	126714.5 lumens
Beam Efficiency:	38.4%	Field Efficiency:	67.8%
Input Watts (W):	1223		
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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CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

Iso-Candela Plot





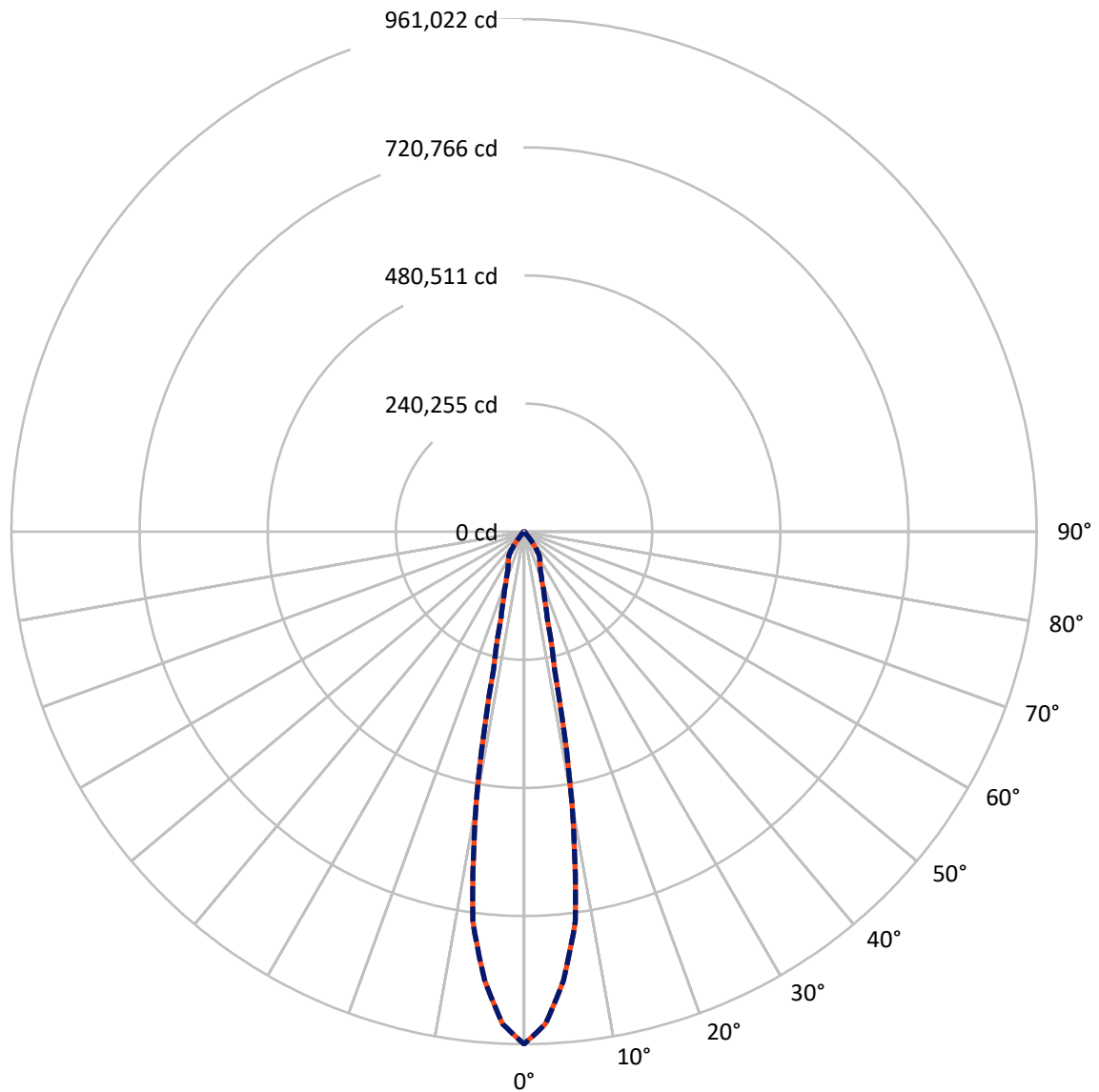
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Lumen Table

90	0.3	1.4		3.2		4.9		5.7		4.9		3.2		1.4		0.3
80	0.3	1.4		3.2		4.9		5.7		4.9		3.2		1.4		0.3
70	0.6	0.6	1.1	1.9	2.9	4.2	5.4	6.1	6.1	5.4	4.2	2.9	1.9	1.1	0.6	0.6
60		0.8	1.8	3.8	7.3	12.4	17.0	19.5	19.5	17.0	12.4	7.3	3.8	1.8	0.8	
50	0.9	1.1	3.1	8.1	17.0	31.2	71.6	119.9	119.9	71.6	31.2	17.0	8.1	3.1	1.1	0.9
40		1.5	5.2	14.7	45.6	270.9	767.4	1122.3	1122.3	767.4	270.9	45.6	14.7	5.2	1.5	
30	1.2	2.0	8.0	24.6	247.5	1092.6	1775.1	2146.1	2146.1	1775.1	1092.6	247.5	24.6	8.0	2.0	1.2
20		2.4	10.3	53.8	659.6	1668.1	2785.8	5359.5	5359.5	2785.8	1668.1	659.6	53.8	10.3	2.4	
10	1.3	2.7	11.4	88.1	934.0	1957.9	5218.6	20122.4	20122.4	5218.6	1957.9	934.0	88.1	11.4	2.7	1.3
0		2.7	11.4	88.1	934.0	1957.9	5218.6	20122.4	20122.4	5218.6	1957.9	934.0	88.1	11.4	2.7	
-10	1.2	2.4	10.3	53.8	659.6	1668.1	2785.8	5359.5	5359.5	2785.8	1668.1	659.6	53.8	10.3	2.4	1.2
-20		2.0	8.0	24.6	247.5	1092.6	1775.1	2146.1	2146.1	1775.1	1092.6	247.5	24.6	8.0	2.0	
-30	0.9	1.5	5.2	14.7	45.6	270.9	767.4	1122.3	1122.3	767.4	270.9	45.6	14.7	5.2	1.5	0.9
-40		1.1	3.1	8.1	17.0	31.2	71.6	119.9	119.9	71.6	31.2	17.0	8.1	3.1	1.1	
-50	0.6	0.8	1.8	3.8	7.3	12.4	17.0	19.5	19.5	17.0	12.4	7.3	3.8	1.8	0.8	0.6
-60		0.6	1.1	1.9	2.9	4.2	5.4	6.1	6.1	5.4	4.2	2.9	1.9	1.1	0.6	
-70	0.3	1.4		3.2		4.9		5.7		4.9		3.2		1.4		0.3
-80		1.4		3.2		4.9		5.7		4.9		3.2		1.4		
-90	0.3	1.4		3.2		4.9		5.7		4.9		3.2		1.4		0.3

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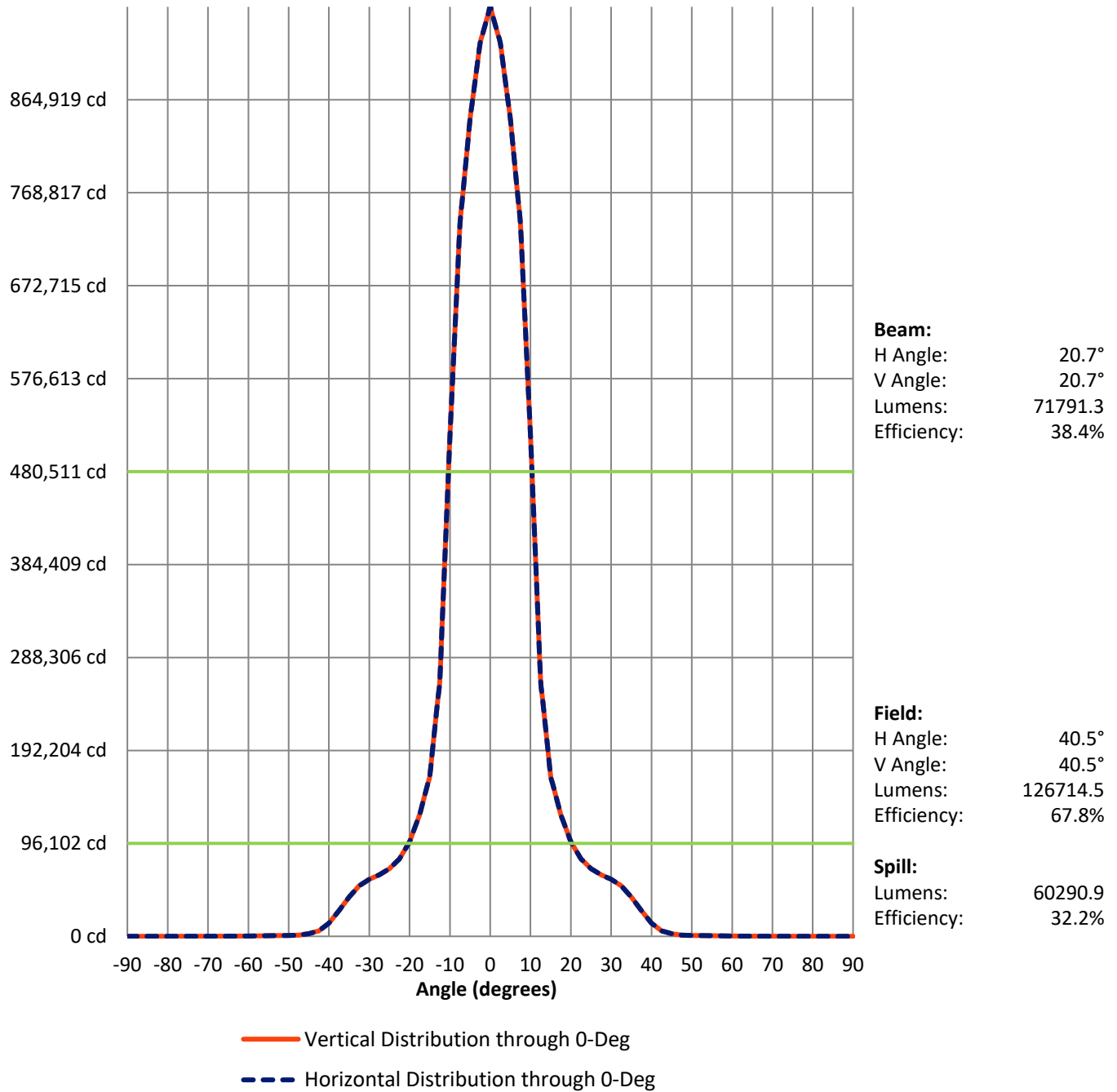
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.7	5.4	6.0	6.7
85°	0.0	1.4	2.8	4.1	5.5	6.8	8.2	9.5	10.8	12.1	13.3
82.5°	0.0	2.1	4.1	6.2	8.2	10.2	12.2	14.2	16.0	16.8	17.6
80°	0.0	2.7	5.5	8.2	10.9	13.6	16.0	17.2	18.3	19.4	20.5
77.5°	0.0	3.4	6.8	10.2	13.6	16.3	17.8	19.2	20.6	22.0	23.6
75°	0.0	4.1	8.2	12.2	16.0	17.8	19.5	21.2	23.0	25.1	27.3
72.5°	0.0	4.7	9.5	14.2	17.2	19.2	21.2	23.4	25.9	28.4	30.9
70°	0.0	5.4	10.8	16.0	18.3	20.6	23.0	25.9	28.8	31.7	35.1
67.5°	0.0	6.0	12.1	16.8	19.4	22.0	25.1	28.4	31.7	35.6	39.5
65°	0.0	6.7	13.3	17.6	20.5	23.6	27.3	30.9	35.1	39.5	43.9
62.5°	0.0	7.3	14.6	18.4	21.6	25.3	29.3	33.7	38.5	43.3	48.4
60°	0.0	7.9	15.8	19.2	22.6	27.0	31.4	36.6	41.8	47.4	52.9
57.5°	0.0	8.5	16.3	20.0	24.0	28.7	33.8	39.4	45.3	51.3	58.0
55°	0.0	9.1	16.8	20.8	25.2	30.3	36.1	42.2	48.7	55.4	63.3
52.5°	0.0	9.6	17.3	21.5	26.5	31.9	38.4	45.1	52.0	60.1	68.6
50°	0.0	10.2	17.8	22.2	27.7	33.8	40.7	47.9	55.5	64.6	74.5
47.5°	0.0	10.7	18.2	22.9	28.9	35.6	42.8	50.6	59.4	69.0	80.4
45°	0.0	11.2	18.7	23.8	30.0	37.3	45.1	53.2	63.2	74.1	86.1
42.5°	0.0	11.6	19.1	24.6	31.1	38.9	47.2	56.1	66.8	79.0	92.6
40°	0.0	12.1	19.5	25.3	32.2	40.5	49.3	59.1	70.4	83.7	99.0
37.5°	0.0	12.5	19.8	26.1	33.4	42.0	51.2	62.0	74.4	88.4	105.0
35°	0.0	12.9	20.2	26.8	34.6	43.5	53.1	64.7	78.1	93.6	111.2
32.5°	0.0	13.3	20.5	27.4	35.6	44.9	54.9	67.3	81.7	98.4	117.7
30°	0.0	13.7	20.8	28.0	36.6	46.3	57.0	69.8	85.0	103.0	123.7
27.5°	0.0	14.0	21.1	28.6	37.5	47.5	58.9	72.4	88.3	107.2	129.3
25°	0.0	14.3	21.4	29.1	38.4	48.7	60.6	74.9	91.7	111.6	134.8
22.5°	0.0	14.6	21.6	29.6	39.2	49.7	62.2	77.1	94.9	115.8	146.9
20°	0.0	14.8	21.9	30.0	39.8	50.7	63.6	79.2	97.7	119.7	157.7
17.5°	0.0	15.1	22.1	30.4	40.5	51.5	64.9	81.0	100.2	123.1	167.4
15°	0.0	15.3	22.2	30.7	41.0	52.3	66.0	82.5	102.4	126.0	175.8
12.5°	0.0	15.4	22.4	31.0	41.5	52.9	66.9	83.9	104.3	128.5	183.0
10°	0.0	15.6	22.5	31.2	41.8	53.4	67.7	84.9	105.9	130.6	188.9
7.5°	0.0	15.7	22.6	31.4	42.1	53.8	68.3	85.8	107.1	132.2	193.5
5°	0.0	15.7	22.6	31.5	42.3	54.1	68.8	86.4	107.9	133.4	196.8
2.5°	0.0	15.8	22.7	31.6	42.5	54.2	69.0	86.8	108.4	134.1	198.8
0°	0.0	15.8	22.7	31.6	42.5	54.3	69.1	86.9	108.6	134.3	199.5
-2.5°	0.0	15.8	22.7	31.6	42.5	54.2	69.0	86.8	108.4	134.1	198.8
-5°	0.0	15.7	22.6	31.5	42.3	54.1	68.8	86.4	107.9	133.4	196.8
-7.5°	0.0	15.7	22.6	31.4	42.1	53.8	68.3	85.8	107.1	132.2	193.5
-10°	0.0	15.6	22.5	31.2	41.8	53.4	67.7	84.9	105.9	130.6	188.9
-12.5°	0.0	15.4	22.4	31.0	41.5	52.9	66.9	83.9	104.3	128.5	183.0
-15°	0.0	15.3	22.2	30.7	41.0	52.3	66.0	82.5	102.4	126.0	175.8
-17.5°	0.0	15.1	22.1	30.4	40.5	51.5	64.9	81.0	100.2	123.1	167.4
-20°	0.0	14.8	21.9	30.0	39.8	50.7	63.6	79.2	97.7	119.7	157.7



REPORT NUMBER: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	14.6	21.6	29.6	39.2	49.7	62.2	77.1	94.9	115.8	146.9
-25°	0.0	14.3	21.4	29.1	38.4	48.7	60.6	74.9	91.7	111.6	134.8
-27.5°	0.0	14.0	21.1	28.6	37.5	47.5	58.9	72.4	88.3	107.2	129.3
-30°	0.0	13.7	20.8	28.0	36.6	46.3	57.0	69.8	85.0	103.0	123.7
-32.5°	0.0	13.3	20.5	27.4	35.6	44.9	54.9	67.3	81.7	98.4	117.7
-35°	0.0	12.9	20.2	26.8	34.6	43.5	53.1	64.7	78.1	93.6	111.2
-37.5°	0.0	12.5	19.8	26.1	33.4	42.0	51.2	62.0	74.4	88.4	105.0
-40°	0.0	12.1	19.5	25.3	32.2	40.5	49.3	59.1	70.4	83.7	99.0
-42.5°	0.0	11.6	19.1	24.6	31.1	38.9	47.2	56.1	66.8	79.0	92.6
-45°	0.0	11.2	18.7	23.8	30.0	37.3	45.1	53.2	63.2	74.1	86.1
-47.5°	0.0	10.7	18.2	22.9	28.9	35.6	42.8	50.6	59.4	69.0	80.4
-50°	0.0	10.2	17.8	22.2	27.7	33.8	40.7	47.9	55.5	64.6	74.5
-52.5°	0.0	9.6	17.3	21.5	26.5	31.9	38.4	45.1	52.0	60.1	68.6
-55°	0.0	9.1	16.8	20.8	25.2	30.3	36.1	42.2	48.7	55.4	63.3
-57.5°	0.0	8.5	16.3	20.0	24.0	28.7	33.8	39.4	45.3	51.3	58.0
-60°	0.0	7.9	15.8	19.2	22.6	27.0	31.4	36.6	41.8	47.4	52.9
-62.5°	0.0	7.3	14.6	18.4	21.6	25.3	29.3	33.7	38.5	43.3	48.4
-65°	0.0	6.7	13.3	17.6	20.5	23.6	27.3	30.9	35.1	39.5	43.9
-67.5°	0.0	6.0	12.1	16.8	19.4	22.0	25.1	28.4	31.7	35.6	39.5
-70°	0.0	5.4	10.8	16.0	18.3	20.6	23.0	25.9	28.8	31.7	35.1
-72.5°	0.0	4.7	9.5	14.2	17.2	19.2	21.2	23.4	25.9	28.4	30.9
-75°	0.0	4.1	8.2	12.2	16.0	17.8	19.5	21.2	23.0	25.1	27.3
-77.5°	0.0	3.4	6.8	10.2	13.6	16.3	17.8	19.2	20.6	22.0	23.6
-80°	0.0	2.7	5.5	8.2	10.9	13.6	16.0	17.2	18.3	19.4	20.5
-82.5°	0.0	2.1	4.1	6.2	8.2	10.2	12.2	14.2	16.0	16.8	17.6
-85°	0.0	1.4	2.8	4.1	5.5	6.8	8.2	9.5	10.8	12.1	13.3
-87.5°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.7	5.4	6.0	6.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	7.9	8.5	9.1	9.6	10.2	10.7	11.2	11.6	12.1	12.5
85°	14.6	15.8	16.3	16.8	17.3	17.8	18.2	18.7	19.1	19.5	19.8
82.5°	18.4	19.2	20.0	20.8	21.5	22.2	22.9	23.8	24.6	25.3	26.1
80°	21.6	22.6	24.0	25.2	26.5	27.7	28.9	30.0	31.1	32.2	33.4
77.5°	25.3	27.0	28.7	30.3	31.9	33.8	35.6	37.3	38.9	40.5	42.0
75°	29.3	31.4	33.8	36.1	38.4	40.7	42.8	45.1	47.2	49.3	51.2
72.5°	33.7	36.6	39.4	42.2	45.1	47.9	50.6	53.2	56.1	59.1	62.0
70°	38.5	41.8	45.3	48.7	52.0	55.5	59.4	63.2	66.8	70.4	74.4
67.5°	43.3	47.4	51.3	55.4	60.1	64.6	69.0	74.1	79.0	83.7	88.4
65°	48.4	52.9	58.0	63.3	68.6	74.5	80.4	86.1	92.6	99.0	105.0
62.5°	53.4	59.3	65.3	71.6	78.5	85.2	92.8	100.4	107.8	116.0	123.9
60°	59.3	66.0	73.3	81.0	88.8	97.7	106.4	115.8	125.4	134.8	157.0
57.5°	65.3	73.3	81.8	90.8	100.7	110.7	121.8	132.5	156.1	181.4	204.5
55°	71.6	81.0	90.8	101.7	113.1	125.4	142.1	171.5	199.9	222.6	244.4
52.5°	78.5	88.8	100.7	113.1	126.6	148.3	180.8	210.3	235.7	264.7	304.4
50°	85.2	97.7	110.7	125.4	148.3	184.0	215.5	243.7	282.8	327.2	388.7
47.5°	92.8	106.4	121.8	142.1	180.8	215.5	246.3	291.9	341.0	421.6	502.7
45°	100.4	115.8	132.5	171.5	210.3	243.7	291.9	345.6	438.2	529.0	620.1
42.5°	107.8	125.4	156.1	199.9	235.7	282.8	341.0	438.2	537.9	638.2	720.6
40°	116.0	134.8	181.4	222.6	264.7	327.2	421.6	529.0	638.2	727.4	803.0
37.5°	123.9	157.0	204.5	244.4	304.4	388.7	502.7	620.1	720.6	803.0	864.4
35°	131.5	178.1	223.7	273.1	342.4	461.1	584.2	700.3	789.1	859.1	976.7
32.5°	145.2	198.0	241.8	306.3	403.7	531.1	662.1	761.7	843.1	936.8	1181.1
30°	162.2	213.8	262.3	337.7	464.0	599.6	721.2	816.7	890.2	1120.1	1790.9
27.5°	178.1	228.3	289.2	383.5	521.0	663.9	772.1	858.2	1019.8	1433.6	2589.0
25°	192.7	241.8	314.1	431.7	576.2	712.2	816.5	897.0	1171.3	2134.2	3899.7
22.5°	205.0	254.3	336.9	475.9	626.9	752.7	849.7	1012.6	1511.9	2813.6	5266.4
20°	215.0	273.1	366.7	516.4	673.0	789.4	879.8	1131.3	2064.5	3979.7	7937.9
17.5°	224.0	289.8	399.4	554.1	705.2	818.6	918.5	1237.9	2561.9	5031.6	11019.1
15°	231.8	304.4	428.0	587.1	731.7	840.5	1005.0	1599.4	3236.9	6418.1	13800.3
12.5°	238.5	316.9	452.4	615.3	754.4	859.2	1079.2	1946.8	3975.3	8591.4	17638.2
10°	244.0	327.2	472.5	638.6	773.1	874.7	1140.5	2234.5	4587.6	10397.3	20834.1
7.5°	248.3	335.2	488.2	656.8	787.7	886.8	1188.6	2460.5	5069.2	11819.8	23356.3
5°	251.3	341.0	499.5	669.8	798.3	895.5	1223.2	2623.1	5416.1	12845.7	25178.2
2.5°	253.2	344.4	506.2	677.7	804.6	900.7	1244.0	2721.1	5625.4	13465.4	26279.6
0°	253.8	345.6	508.5	680.3	806.7	902.5	1251.0	2753.9	5695.4	13672.6	26648.2
-2.5°	253.2	344.4	506.2	677.7	804.6	900.7	1244.0	2721.1	5625.4	13465.4	26279.6
-5°	251.3	341.0	499.5	669.8	798.3	895.5	1223.2	2623.1	5416.1	12845.7	25178.2
-7.5°	248.3	335.2	488.2	656.8	787.7	886.8	1188.6	2460.5	5069.2	11819.8	23356.3
-10°	244.0	327.2	472.5	638.6	773.1	874.7	1140.5	2234.5	4587.6	10397.3	20834.1
-12.5°	238.5	316.9	452.4	615.3	754.4	859.2	1079.2	1946.8	3975.3	8591.4	17638.2
-15°	231.8	304.4	428.0	587.1	731.7	840.5	1005.0	1599.4	3236.9	6418.1	13800.3
-17.5°	224.0	289.8	399.4	554.1	705.2	818.6	918.5	1237.9	2561.9	5031.6	11019.1
-20°	215.0	273.1	366.7	516.4	673.0	789.4	879.8	1131.3	2064.5	3979.7	7937.9



REPORT NUMBER: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	205.0	254.3	336.9	475.9	626.9	752.7	849.7	1012.6	1511.9	2813.6	5266.4
-25°	192.7	241.8	314.1	431.7	576.2	712.2	816.5	897.0	1171.3	2134.2	3899.7
-27.5°	178.1	228.3	289.2	383.5	521.0	663.9	772.1	858.2	1019.8	1433.6	2589.0
-30°	162.2	213.8	262.3	337.7	464.0	599.6	721.2	816.7	890.2	1120.1	1790.9
-32.5°	145.2	198.0	241.8	306.3	403.7	531.1	662.1	761.7	843.1	936.8	1181.1
-35°	131.5	178.1	223.7	273.1	342.4	461.1	584.2	700.3	789.1	859.1	976.7
-37.5°	123.9	157.0	204.5	244.4	304.4	388.7	502.7	620.1	720.6	803.0	864.4
-40°	116.0	134.8	181.4	222.6	264.7	327.2	421.6	529.0	638.2	727.4	803.0
-42.5°	107.8	125.4	156.1	199.9	235.7	282.8	341.0	438.2	537.9	638.2	720.6
-45°	100.4	115.8	132.5	171.5	210.3	243.7	291.9	345.6	438.2	529.0	620.1
-47.5°	92.8	106.4	121.8	142.1	180.8	215.5	246.3	291.9	341.0	421.6	502.7
-50°	85.2	97.7	110.7	125.4	148.3	184.0	215.5	243.7	282.8	327.2	388.7
-52.5°	78.5	88.8	100.7	113.1	126.6	148.3	180.8	210.3	235.7	264.7	304.4
-55°	71.6	81.0	90.8	101.7	113.1	125.4	142.1	171.5	199.9	222.6	244.4
-57.5°	65.3	73.3	81.8	90.8	100.7	110.7	121.8	132.5	156.1	181.4	204.5
-60°	59.3	66.0	73.3	81.0	88.8	97.7	106.4	115.8	125.4	134.8	157.0
-62.5°	53.4	59.3	65.3	71.6	78.5	85.2	92.8	100.4	107.8	116.0	123.9
-65°	48.4	52.9	58.0	63.3	68.6	74.5	80.4	86.1	92.6	99.0	105.0
-67.5°	43.3	47.4	51.3	55.4	60.1	64.6	69.0	74.1	79.0	83.7	88.4
-70°	38.5	41.8	45.3	48.7	52.0	55.5	59.4	63.2	66.8	70.4	74.4
-72.5°	33.7	36.6	39.4	42.2	45.1	47.9	50.6	53.2	56.1	59.1	62.0
-75°	29.3	31.4	33.8	36.1	38.4	40.7	42.8	45.1	47.2	49.3	51.2
-77.5°	25.3	27.0	28.7	30.3	31.9	33.8	35.6	37.3	38.9	40.5	42.0
-80°	21.6	22.6	24.0	25.2	26.5	27.7	28.9	30.0	31.1	32.2	33.4
-82.5°	18.4	19.2	20.0	20.8	21.5	22.2	22.9	23.8	24.6	25.3	26.1
-85°	14.6	15.8	16.3	16.8	17.3	17.8	18.2	18.7	19.1	19.5	19.8
-87.5°	7.3	7.9	8.5	9.1	9.6	10.2	10.7	11.2	11.6	12.1	12.5
-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: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.9	13.3	13.7	14.0	14.3	14.6	14.8	15.1	15.3	15.4	15.6
85°	20.2	20.5	20.8	21.1	21.4	21.6	21.9	22.1	22.2	22.4	22.5
82.5°	26.8	27.4	28.0	28.6	29.1	29.6	30.0	30.4	30.7	31.0	31.2
80°	34.6	35.6	36.6	37.5	38.4	39.2	39.8	40.5	41.0	41.5	41.8
77.5°	43.5	44.9	46.3	47.5	48.7	49.7	50.7	51.5	52.3	52.9	53.4
75°	53.1	54.9	57.0	58.9	60.6	62.2	63.6	64.9	66.0	66.9	67.7
72.5°	64.7	67.3	69.8	72.4	74.9	77.1	79.2	81.0	82.5	83.9	84.9
70°	78.1	81.7	85.0	88.3	91.7	94.9	97.7	100.2	102.4	104.3	105.9
67.5°	93.6	98.4	103.0	107.2	111.6	115.8	119.7	123.1	126.0	128.5	130.6
65°	111.2	117.7	123.7	129.3	134.8	146.9	157.7	167.4	175.8	183.0	188.9
62.5°	131.5	145.2	162.2	178.1	192.7	205.0	215.0	224.0	231.8	238.5	244.0
60°	178.1	198.0	213.8	228.3	241.8	254.3	273.1	289.8	304.4	316.9	327.2
57.5°	223.7	241.8	262.3	289.2	314.1	336.9	366.7	399.4	428.0	452.4	472.5
55°	273.1	306.3	337.7	383.5	431.7	475.9	516.4	554.1	587.1	615.3	638.6
52.5°	342.4	403.7	464.0	521.0	576.2	626.9	673.0	705.2	731.7	754.4	773.1
50°	461.1	531.1	599.6	663.9	712.2	752.7	789.4	818.6	840.5	859.2	874.7
47.5°	584.2	662.1	721.2	772.1	816.5	849.7	879.8	918.5	1005.0	1079.2	1140.5
45°	700.3	761.7	816.7	858.2	897.0	1012.6	1131.3	1237.9	1599.4	1946.8	2234.5
42.5°	789.1	843.1	890.2	1019.8	1171.3	1511.9	2064.5	2561.9	3236.9	3975.3	4587.6
40°	859.1	936.8	1120.1	1433.6	2134.2	2813.6	3979.7	5031.6	6418.1	8591.4	10397.3
37.5°	976.7	1181.1	1790.9	2589.0	3899.7	5266.4	7937.9	11019.1	13800.3	17638.2	20834.1
35°	1201.5	1971.6	2973.5	4638.6	7088.5	11064.7	15393.4	20804.9	25618.2	30034.7	33790.0
32.5°	1971.6	3155.7	5012.7	8649.6	13197.7	19831.7	26245.7	32517.4	38144.5	42629.7	46030.8
30°	2973.5	5012.7	9174.7	14659.7	22548.4	30231.6	37671.5	43827.4	48893.7	52873.9	55023.9
27.5°	4638.6	8649.6	14659.7	23463.3	32273.5	40804.2	47442.1	53006.7	56186.8	58976.3	60618.9
25°	7088.5	13197.7	22548.4	32273.5	41690.6	49284.5	54665.3	58477.5	61036.5	63157.3	65412.9
22.5°	11064.7	19831.7	30231.6	40804.2	49284.5	55226.1	59448.3	62311.9	65368.1	68504.4	71946.1
20°	15393.4	26245.7	37671.5	47442.1	54665.3	59448.3	62744.4	66596.1	70728.1	76310.4	81817.1
17.5°	20804.9	32517.4	43827.4	53006.7	58477.5	62311.9	66596.1	71795.1	78573.1	87999.5	97258.0
15°	25618.2	38144.5	48893.7	56186.8	61036.5	65368.1	70728.1	78573.1	90120.0	104178.2	120701.3
12.5°	30034.7	42629.7	52873.9	58976.3	63157.3	68504.4	76310.4	87999.5	104178.2	124714.4	150306.0
10°	33790.0	46030.8	55023.9	60618.9	65412.9	71946.1	81817.1	97258.0	120701.3	150306.0	187986.9
7.5°	36760.4	48728.4	56735.0	61928.8	67367.0	75465.0	88602.2	109127.9	138064.6	176883.2	266343.0
5°	38909.9	50684.8	57979.3	62884.6	68799.3	78059.2	93643.0	118284.8	152910.7	212173.0	380488.6
2.5°	40211.0	51870.9	58735.2	63466.6	69674.3	79650.8	96753.6	123981.6	162258.3	247633.2	480076.9
0°	40646.7	52268.4	58988.7	63662.1	69968.7	80187.4	97805.7	125917.2	165456.0	264733.0	516529.0
-2.5°	40211.0	51870.9	58735.2	63466.6	69674.3	79650.8	96753.6	123981.6	162258.3	247633.2	480076.9
-5°	38909.9	50684.8	57979.3	62884.6	68799.3	78059.2	93643.0	118284.8	152910.7	212173.0	380488.6
-7.5°	36760.4	48728.4	56735.0	61928.8	67367.0	75465.0	88602.2	109127.9	138064.6	176883.2	266343.0
-10°	33790.0	46030.8	55023.9	60618.9	65412.9	71946.1	81817.1	97258.0	120701.3	150306.0	187986.9
-12.5°	30034.7	42629.7	52873.9	58976.3	63157.3	68504.4	76310.4	87999.5	104178.2	124714.4	150306.0
-15°	25618.2	38144.5	48893.7	56186.8	61036.5	65368.1	70728.1	78573.1	90120.0	104178.2	120701.3
-17.5°	20804.9	32517.4	43827.4	53006.7	58477.5	62311.9	66596.1	71795.1	78573.1	87999.5	97258.0
-20°	15393.4	26245.7	37671.5	47442.1	54665.3	59448.3	62744.4	66596.1	70728.1	76310.4	81817.1



REPORT NUMBER: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11064.7	19831.7	30231.6	40804.2	49284.5	55226.1	59448.3	62311.9	65368.1	68504.4	71946.1
-25°	7088.5	13197.7	22548.4	32273.5	41690.6	49284.5	54665.3	58477.5	61036.5	63157.3	65412.9
-27.5°	4638.6	8649.6	14659.7	23463.3	32273.5	40804.2	47442.1	53006.7	56186.8	58976.3	60618.9
-30°	2973.5	5012.7	9174.7	14659.7	22548.4	30231.6	37671.5	43827.4	48893.7	52873.9	55023.9
-32.5°	1971.6	3155.7	5012.7	8649.6	13197.7	19831.7	26245.7	32517.4	38144.5	42629.7	46030.8
-35°	1201.5	1971.6	2973.5	4638.6	7088.5	11064.7	15393.4	20804.9	25618.2	30034.7	33790.0
-37.5°	976.7	1181.1	1790.9	2589.0	3899.7	5266.4	7937.9	11019.1	13800.3	17638.2	20834.1
-40°	859.1	936.8	1120.1	1433.6	2134.2	2813.6	3979.7	5031.6	6418.1	8591.4	10397.3
-42.5°	789.1	843.1	890.2	1019.8	1171.3	1511.9	2064.5	2561.9	3236.9	3975.3	4587.6
-45°	700.3	761.7	816.7	858.2	897.0	1012.6	1131.3	1237.9	1599.4	1946.8	2234.5
-47.5°	584.2	662.1	721.2	772.1	816.5	849.7	879.8	918.5	1005.0	1079.2	1140.5
-50°	461.1	531.1	599.6	663.9	712.2	752.7	789.4	818.6	840.5	859.2	874.7
-52.5°	342.4	403.7	464.0	521.0	576.2	626.9	673.0	705.2	731.7	754.4	773.1
-55°	273.1	306.3	337.7	383.5	431.7	475.9	516.4	554.1	587.1	615.3	638.6
-57.5°	223.7	241.8	262.3	289.2	314.1	336.9	366.7	399.4	428.0	452.4	472.5
-60°	178.1	198.0	213.8	228.3	241.8	254.3	273.1	289.8	304.4	316.9	327.2
-62.5°	131.5	145.2	162.2	178.1	192.7	205.0	215.0	224.0	231.8	238.5	244.0
-65°	111.2	117.7	123.7	129.3	134.8	146.9	157.7	167.4	175.8	183.0	188.9
-67.5°	93.6	98.4	103.0	107.2	111.6	115.8	119.7	123.1	126.0	128.5	130.6
-70°	78.1	81.7	85.0	88.3	91.7	94.9	97.7	100.2	102.4	104.3	105.9
-72.5°	64.7	67.3	69.8	72.4	74.9	77.1	79.2	81.0	82.5	83.9	84.9
-75°	53.1	54.9	57.0	58.9	60.6	62.2	63.6	64.9	66.0	66.9	67.7
-77.5°	43.5	44.9	46.3	47.5	48.7	49.7	50.7	51.5	52.3	52.9	53.4
-80°	34.6	35.6	36.6	37.5	38.4	39.2	39.8	40.5	41.0	41.5	41.8
-82.5°	26.8	27.4	28.0	28.6	29.1	29.6	30.0	30.4	30.7	31.0	31.2
-85°	20.2	20.5	20.8	21.1	21.4	21.6	21.9	22.1	22.2	22.4	22.5
-87.5°	12.9	13.3	13.7	14.0	14.3	14.6	14.8	15.1	15.3	15.4	15.6
-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: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	15.7	15.8	15.8	15.8	15.7	15.7	15.6	15.4	15.3	15.1
85°	22.6	22.6	22.7	22.7	22.7	22.6	22.6	22.5	22.4	22.2	22.1
82.5°	31.4	31.5	31.6	31.6	31.6	31.5	31.4	31.2	31.0	30.7	30.4
80°	42.1	42.3	42.5	42.5	42.5	42.3	42.1	41.8	41.5	41.0	40.5
77.5°	53.8	54.1	54.2	54.3	54.2	54.1	53.8	53.4	52.9	52.3	51.5
75°	68.3	68.8	69.0	69.1	69.0	68.8	68.3	67.7	66.9	66.0	64.9
72.5°	85.8	86.4	86.8	86.9	86.8	86.4	85.8	84.9	83.9	82.5	81.0
70°	107.1	107.9	108.4	108.6	108.4	107.9	107.1	105.9	104.3	102.4	100.2
67.5°	132.2	133.4	134.1	134.3	134.1	133.4	132.2	130.6	128.5	126.0	123.1
65°	193.5	196.8	198.8	199.5	198.8	196.8	193.5	188.9	183.0	175.8	167.4
62.5°	248.3	251.3	253.2	253.8	253.2	251.3	248.3	244.0	238.5	231.8	224.0
60°	335.2	341.0	344.4	345.6	344.4	341.0	335.2	327.2	316.9	304.4	289.8
57.5°	488.2	499.5	506.2	508.5	506.2	499.5	488.2	472.5	452.4	428.0	399.4
55°	656.8	669.8	677.7	680.3	677.7	669.8	656.8	638.6	615.3	587.1	554.1
52.5°	787.7	798.3	804.6	806.7	804.6	798.3	787.7	773.1	754.4	731.7	705.2
50°	886.8	895.5	900.7	902.5	900.7	895.5	886.8	874.7	859.2	840.5	818.6
47.5°	1188.6	1223.2	1244.0	1251.0	1244.0	1223.2	1188.6	1140.5	1079.2	1005.0	918.5
45°	2460.5	2623.1	2721.1	2753.9	2721.1	2623.1	2460.5	2234.5	1946.8	1599.4	1237.9
42.5°	5069.2	5416.1	5625.4	5695.4	5625.4	5416.1	5069.2	4587.6	3975.3	3236.9	2561.9
40°	11819.8	12845.7	13465.4	13672.6	13465.4	12845.7	11819.8	10397.3	8591.4	6418.1	5031.6
37.5°	23356.3	25178.2	26279.6	26648.2	26279.6	25178.2	23356.3	20834.1	17638.2	13800.3	11019.1
35°	36760.4	38909.9	40211.0	40646.7	40211.0	38909.9	36760.4	33790.0	30034.7	25618.2	20804.9
32.5°	48728.4	50684.8	51870.9	52268.4	51870.9	50684.8	48728.4	46030.8	42629.7	38144.5	32517.4
30°	56735.0	57979.3	58735.2	58988.7	58735.2	57979.3	56735.0	55023.9	52873.9	48893.7	43827.4
27.5°	61928.8	62884.6	63466.6	63662.1	63466.6	62884.6	61928.8	60618.9	58976.3	56186.8	53006.7
25°	67367.0	68799.3	69674.3	69968.7	69674.3	68799.3	67367.0	65412.9	63157.3	61036.5	58477.5
22.5°	75465.0	78059.2	79650.8	80187.4	79650.8	78059.2	75465.0	71946.1	68504.4	65368.1	62311.9
20°	88602.2	93643.0	96753.6	97805.7	96753.6	93643.0	88602.2	81817.1	76310.4	70728.1	66596.1
17.5°	109127.9	118284.8	123981.6	125917.2	123981.6	118284.8	109127.9	97258.0	87999.5	78573.1	71795.1
15°	138064.6	152910.7	162258.3	165456.0	162258.3	152910.7	138064.6	120701.3	104178.2	90120.0	78573.1
12.5°	176883.2	212173.0	247633.2	264733.0	247633.2	212173.0	176883.2	150306.0	124714.4	104178.2	87999.5
10°	266343.0	380488.6	480076.9	516529.0	480076.9	380488.6	266343.0	187986.9	150306.0	120701.3	97258.0
7.5°	445771.8	630656.7	714934.5	736726.4	714934.5	630656.7	445771.8	266343.0	176883.2	138064.6	109127.9
5°	630656.7	760138.4	822692.8	845044.6	822692.8	760138.4	630656.7	380488.6	212173.0	152910.7	118284.8
2.5°	714934.5	822692.8	894018.1	923709.9	894018.1	822692.8	714934.5	480076.9	247633.2	162258.3	123981.6
0°	736726.4	845044.6	923709.9	961021.6	923709.9	845044.6	736726.4	516529.0	264733.0	165456.0	125917.2
-2.5°	714934.5	822692.8	894018.1	923709.9	894018.1	822692.8	714934.5	480076.9	247633.2	162258.3	123981.6
-5°	630656.7	760138.4	822692.8	845044.6	822692.8	760138.4	630656.7	380488.6	212173.0	152910.7	118284.8
-7.5°	445771.8	630656.7	714934.5	736726.4	714934.5	630656.7	445771.8	266343.0	176883.2	138064.6	109127.9
-10°	266343.0	380488.6	480076.9	516529.0	480076.9	380488.6	266343.0	187986.9	150306.0	120701.3	97258.0
-12.5°	176883.2	212173.0	247633.2	264733.0	247633.2	212173.0	176883.2	150306.0	124714.4	104178.2	87999.5
-15°	138064.6	152910.7	162258.3	165456.0	162258.3	152910.7	138064.6	120701.3	104178.2	90120.0	78573.1
-17.5°	109127.9	118284.8	123981.6	125917.2	123981.6	118284.8	109127.9	97258.0	87999.5	78573.1	71795.1
-20°	88602.2	93643.0	96753.6	97805.7	96753.6	93643.0	88602.2	81817.1	76310.4	70728.1	66596.1



REPORT NUMBER: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	75465.0	78059.2	79650.8	80187.4	79650.8	78059.2	75465.0	71946.1	68504.4	65368.1	62311.9
-25°	67367.0	68799.3	69674.3	69968.7	69674.3	68799.3	67367.0	65412.9	63157.3	61036.5	58477.5
-27.5°	61928.8	62884.6	63466.6	63662.1	63466.6	62884.6	61928.8	60618.9	58976.3	56186.8	53006.7
-30°	56735.0	57979.3	58735.2	58988.7	58735.2	57979.3	56735.0	55023.9	52873.9	48893.7	43827.4
-32.5°	48728.4	50684.8	51870.9	52268.4	51870.9	50684.8	48728.4	46030.8	42629.7	38144.5	32517.4
-35°	36760.4	38909.9	40211.0	40646.7	40211.0	38909.9	36760.4	33790.0	30034.7	25618.2	20804.9
-37.5°	23356.3	25178.2	26279.6	26648.2	26279.6	25178.2	23356.3	20834.1	17638.2	13800.3	11019.1
-40°	11819.8	12845.7	13465.4	13672.6	13465.4	12845.7	11819.8	10397.3	8591.4	6418.1	5031.6
-42.5°	5069.2	5416.1	5625.4	5695.4	5625.4	5416.1	5069.2	4587.6	3975.3	3236.9	2561.9
-45°	2460.5	2623.1	2721.1	2753.9	2721.1	2623.1	2460.5	2234.5	1946.8	1599.4	1237.9
-47.5°	1188.6	1223.2	1244.0	1251.0	1244.0	1223.2	1188.6	1140.5	1079.2	1005.0	918.5
-50°	886.8	895.5	900.7	902.5	900.7	895.5	886.8	874.7	859.2	840.5	818.6
-52.5°	787.7	798.3	804.6	806.7	804.6	798.3	787.7	773.1	754.4	731.7	705.2
-55°	656.8	669.8	677.7	680.3	677.7	669.8	656.8	638.6	615.3	587.1	554.1
-57.5°	488.2	499.5	506.2	508.5	506.2	499.5	488.2	472.5	452.4	428.0	399.4
-60°	335.2	341.0	344.4	345.6	344.4	341.0	335.2	327.2	316.9	304.4	289.8
-62.5°	248.3	251.3	253.2	253.8	253.2	251.3	248.3	244.0	238.5	231.8	224.0
-65°	193.5	196.8	198.8	199.5	198.8	196.8	193.5	188.9	183.0	175.8	167.4
-67.5°	132.2	133.4	134.1	134.3	134.1	133.4	132.2	130.6	128.5	126.0	123.1
-70°	107.1	107.9	108.4	108.6	108.4	107.9	107.1	105.9	104.3	102.4	100.2
-72.5°	85.8	86.4	86.8	86.9	86.8	86.4	85.8	84.9	83.9	82.5	81.0
-75°	68.3	68.8	69.0	69.1	69.0	68.8	68.3	67.7	66.9	66.0	64.9
-77.5°	53.8	54.1	54.2	54.3	54.2	54.1	53.8	53.4	52.9	52.3	51.5
-80°	42.1	42.3	42.5	42.5	42.5	42.3	42.1	41.8	41.5	41.0	40.5
-82.5°	31.4	31.5	31.6	31.6	31.6	31.5	31.4	31.2	31.0	30.7	30.4
-85°	22.6	22.6	22.7	22.7	22.7	22.6	22.6	22.5	22.4	22.2	22.1
-87.5°	15.7	15.7	15.8	15.8	15.8	15.7	15.7	15.6	15.4	15.3	15.1
-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: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.8	14.6	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.6	11.2
85°	21.9	21.6	21.4	21.1	20.8	20.5	20.2	19.8	19.5	19.1	18.7
82.5°	30.0	29.6	29.1	28.6	28.0	27.4	26.8	26.1	25.3	24.6	23.8
80°	39.8	39.2	38.4	37.5	36.6	35.6	34.6	33.4	32.2	31.1	30.0
77.5°	50.7	49.7	48.7	47.5	46.3	44.9	43.5	42.0	40.5	38.9	37.3
75°	63.6	62.2	60.6	58.9	57.0	54.9	53.1	51.2	49.3	47.2	45.1
72.5°	79.2	77.1	74.9	72.4	69.8	67.3	64.7	62.0	59.1	56.1	53.2
70°	97.7	94.9	91.7	88.3	85.0	81.7	78.1	74.4	70.4	66.8	63.2
67.5°	119.7	115.8	111.6	107.2	103.0	98.4	93.6	88.4	83.7	79.0	74.1
65°	157.7	146.9	134.8	129.3	123.7	117.7	111.2	105.0	99.0	92.6	86.1
62.5°	215.0	205.0	192.7	178.1	162.2	145.2	131.5	123.9	116.0	107.8	100.4
60°	273.1	254.3	241.8	228.3	213.8	198.0	178.1	157.0	134.8	125.4	115.8
57.5°	366.7	336.9	314.1	289.2	262.3	241.8	223.7	204.5	181.4	156.1	132.5
55°	516.4	475.9	431.7	383.5	337.7	306.3	273.1	244.4	222.6	199.9	171.5
52.5°	673.0	626.9	576.2	521.0	464.0	403.7	342.4	304.4	264.7	235.7	210.3
50°	789.4	752.7	712.2	663.9	599.6	531.1	461.1	388.7	327.2	282.8	243.7
47.5°	879.8	849.7	816.5	772.1	721.2	662.1	584.2	502.7	421.6	341.0	291.9
45°	1131.3	1012.6	897.0	858.2	816.7	761.7	700.3	620.1	529.0	438.2	345.6
42.5°	2064.5	1511.9	1171.3	1019.8	890.2	843.1	789.1	720.6	638.2	537.9	438.2
40°	3979.7	2813.6	2134.2	1433.6	1120.1	936.8	859.1	803.0	727.4	638.2	529.0
37.5°	7937.9	5266.4	3899.7	2589.0	1790.9	1181.1	976.7	864.4	803.0	720.6	620.1
35°	15393.4	11064.7	7088.5	4638.6	2973.5	1971.6	1201.5	976.7	859.1	789.1	700.3
32.5°	26245.7	19831.7	13197.7	8649.6	5012.7	3155.7	1971.6	1181.1	936.8	843.1	761.7
30°	37671.5	30231.6	22548.4	14659.7	9174.7	5012.7	2973.5	1790.9	1120.1	890.2	816.7
27.5°	47442.1	40804.2	32273.5	23463.3	14659.7	8649.6	4638.6	2589.0	1433.6	1019.8	858.2
25°	54665.3	49284.5	41690.6	32273.5	22548.4	13197.7	7088.5	3899.7	2134.2	1171.3	897.0
22.5°	59448.3	55226.1	49284.5	40804.2	30231.6	19831.7	11064.7	5266.4	2813.6	1511.9	1012.6
20°	62744.4	59448.3	54665.3	47442.1	37671.5	26245.7	15393.4	7937.9	3979.7	2064.5	1131.3
17.5°	66596.1	62311.9	58477.5	53006.7	43827.4	32517.4	20804.9	11019.1	5031.6	2561.9	1237.9
15°	70728.1	65368.1	61036.5	56186.8	48893.7	38144.5	25618.2	13800.3	6418.1	3236.9	1599.4
12.5°	76310.4	68504.4	63157.3	58976.3	52873.9	42629.7	30034.7	17638.2	8591.4	3975.3	1946.8
10°	81817.1	71946.1	65412.9	60618.9	55023.9	46030.8	33790.0	20834.1	10397.3	4587.6	2234.5
7.5°	88602.2	75465.0	67367.0	61928.8	56735.0	48728.4	36760.4	23356.3	11819.8	5069.2	2460.5
5°	93643.0	78059.2	68799.3	62884.6	57979.3	50684.8	38909.9	25178.2	12845.7	5416.1	2623.1
2.5°	96753.6	79650.8	69674.3	63466.6	58735.2	51870.9	40211.0	26279.6	13465.4	5625.4	2721.1
0°	97805.7	80187.4	69968.7	63662.1	58988.7	52268.4	40646.7	26648.2	13672.6	5695.4	2753.9
-2.5°	96753.6	79650.8	69674.3	63466.6	58735.2	51870.9	40211.0	26279.6	13465.4	5625.4	2721.1
-5°	93643.0	78059.2	68799.3	62884.6	57979.3	50684.8	38909.9	25178.2	12845.7	5416.1	2623.1
-7.5°	88602.2	75465.0	67367.0	61928.8	56735.0	48728.4	36760.4	23356.3	11819.8	5069.2	2460.5
-10°	81817.1	71946.1	65412.9	60618.9	55023.9	46030.8	33790.0	20834.1	10397.3	4587.6	2234.5
-12.5°	76310.4	68504.4	63157.3	58976.3	52873.9	42629.7	30034.7	17638.2	8591.4	3975.3	1946.8
-15°	70728.1	65368.1	61036.5	56186.8	48893.7	38144.5	25618.2	13800.3	6418.1	3236.9	1599.4
-17.5°	66596.1	62311.9	58477.5	53006.7	43827.4	32517.4	20804.9	11019.1	5031.6	2561.9	1237.9
-20°	62744.4	59448.3	54665.3	47442.1	37671.5	26245.7	15393.4	7937.9	3979.7	2064.5	1131.3



REPORT NUMBER: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	59448.3	55226.1	49284.5	40804.2	30231.6	19831.7	11064.7	5266.4	2813.6	1511.9	1012.6
-25°	54665.3	49284.5	41690.6	32273.5	22548.4	13197.7	7088.5	3899.7	2134.2	1171.3	897.0
-27.5°	47442.1	40804.2	32273.5	23463.3	14659.7	8649.6	4638.6	2589.0	1433.6	1019.8	858.2
-30°	37671.5	30231.6	22548.4	14659.7	9174.7	5012.7	2973.5	1790.9	1120.1	890.2	816.7
-32.5°	26245.7	19831.7	13197.7	8649.6	5012.7	3155.7	1971.6	1181.1	936.8	843.1	761.7
-35°	15393.4	11064.7	7088.5	4638.6	2973.5	1971.6	1201.5	976.7	859.1	789.1	700.3
-37.5°	7937.9	5266.4	3899.7	2589.0	1790.9	1181.1	976.7	864.4	803.0	720.6	620.1
-40°	3979.7	2813.6	2134.2	1433.6	1120.1	936.8	859.1	803.0	727.4	638.2	529.0
-42.5°	2064.5	1511.9	1171.3	1019.8	890.2	843.1	789.1	720.6	638.2	537.9	438.2
-45°	1131.3	1012.6	897.0	858.2	816.7	761.7	700.3	620.1	529.0	438.2	345.6
-47.5°	879.8	849.7	816.5	772.1	721.2	662.1	584.2	502.7	421.6	341.0	291.9
-50°	789.4	752.7	712.2	663.9	599.6	531.1	461.1	388.7	327.2	282.8	243.7
-52.5°	673.0	626.9	576.2	521.0	464.0	403.7	342.4	304.4	264.7	235.7	210.3
-55°	516.4	475.9	431.7	383.5	337.7	306.3	273.1	244.4	222.6	199.9	171.5
-57.5°	366.7	336.9	314.1	289.2	262.3	241.8	223.7	204.5	181.4	156.1	132.5
-60°	273.1	254.3	241.8	228.3	213.8	198.0	178.1	157.0	134.8	125.4	115.8
-62.5°	215.0	205.0	192.7	178.1	162.2	145.2	131.5	123.9	116.0	107.8	100.4
-65°	157.7	146.9	134.8	129.3	123.7	117.7	111.2	105.0	99.0	92.6	86.1
-67.5°	119.7	115.8	111.6	107.2	103.0	98.4	93.6	88.4	83.7	79.0	74.1
-70°	97.7	94.9	91.7	88.3	85.0	81.7	78.1	74.4	70.4	66.8	63.2
-72.5°	79.2	77.1	74.9	72.4	69.8	67.3	64.7	62.0	59.1	56.1	53.2
-75°	63.6	62.2	60.6	58.9	57.0	54.9	53.1	51.2	49.3	47.2	45.1
-77.5°	50.7	49.7	48.7	47.5	46.3	44.9	43.5	42.0	40.5	38.9	37.3
-80°	39.8	39.2	38.4	37.5	36.6	35.6	34.6	33.4	32.2	31.1	30.0
-82.5°	30.0	29.6	29.1	28.6	28.0	27.4	26.8	26.1	25.3	24.6	23.8
-85°	21.9	21.6	21.4	21.1	20.8	20.5	20.2	19.8	19.5	19.1	18.7
-87.5°	14.8	14.6	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.6	11.2
-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: P1306559 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-70-4R-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	10.2	9.6	9.1	8.5	7.9	7.3	6.7	6.0	5.4	4.7
85°	18.2	17.8	17.3	16.8	16.3	15.8	14.6	13.3	12.1	10.8	9.5
82.5°	22.9	22.2	21.5	20.8	20.0	19.2	18.4	17.6	16.8	16.0	14.2
80°	28.9	27.7	26.5	25.2	24.0	22.6	21.6	20.5	19.4	18.3	17.2
77.5°	35.6	33.8	31.9	30.3	28.7	27.0	25.3	23.6	22.0	20.6	19.2
75°	42.8	40.7	38.4	36.1	33.8	31.4	29.3	27.3	25.1	23.0	21.2
72.5°	50.6	47.9	45.1	42.2	39.4	36.6	33.7	30.9	28.4	25.9	23.4
70°	59.4	55.5	52.0	48.7	45.3	41.8	38.5	35.1	31.7	28.8	25.9
67.5°	69.0	64.6	60.1	55.4	51.3	47.4	43.3	39.5	35.6	31.7	28.4
65°	80.4	74.5	68.6	63.3	58.0	52.9	48.4	43.9	39.5	35.1	30.9
62.5°	92.8	85.2	78.5	71.6	65.3	59.3	53.4	48.4	43.3	38.5	33.7
60°	106.4	97.7	88.8	81.0	73.3	66.0	59.3	52.9	47.4	41.8	36.6
57.5°	121.8	110.7	100.7	90.8	81.8	73.3	65.3	58.0	51.3	45.3	39.4
55°	142.1	125.4	113.1	101.7	90.8	81.0	71.6	63.3	55.4	48.7	42.2
52.5°	180.8	148.3	126.6	113.1	100.7	88.8	78.5	68.6	60.1	52.0	45.1
50°	215.5	184.0	148.3	125.4	110.7	97.7	85.2	74.5	64.6	55.5	47.9
47.5°	246.3	215.5	180.8	142.1	121.8	106.4	92.8	80.4	69.0	59.4	50.6
45°	291.9	243.7	210.3	171.5	132.5	115.8	100.4	86.1	74.1	63.2	53.2
42.5°	341.0	282.8	235.7	199.9	156.1	125.4	107.8	92.6	79.0	66.8	56.1
40°	421.6	327.2	264.7	222.6	181.4	134.8	116.0	99.0	83.7	70.4	59.1
37.5°	502.7	388.7	304.4	244.4	204.5	157.0	123.9	105.0	88.4	74.4	62.0
35°	584.2	461.1	342.4	273.1	223.7	178.1	131.5	111.2	93.6	78.1	64.7
32.5°	662.1	531.1	403.7	306.3	241.8	198.0	145.2	117.7	98.4	81.7	67.3
30°	721.2	599.6	464.0	337.7	262.3	213.8	162.2	123.7	103.0	85.0	69.8
27.5°	772.1	663.9	521.0	383.5	289.2	228.3	178.1	129.3	107.2	88.3	72.4
25°	816.5	712.2	576.2	431.7	314.1	241.8	192.7	134.8	111.6	91.7	74.9
22.5°	849.7	752.7	626.9	475.9	336.9	254.3	205.0	146.9	115.8	94.9	77.1
20°	879.8	789.4	673.0	516.4	366.7	273.1	215.0	157.7	119.7	97.7	79.2
17.5°	918.5	818.6	705.2	554.1	399.4	289.8	224.0	167.4	123.1	100.2	81.0
15°	1005.0	840.5	731.7	587.1	428.0	304.4	231.8	175.8	126.0	102.4	82.5
12.5°	1079.2	859.2	754.4	615.3	452.4	316.9	238.5	183.0	128.5	104.3	83.9
10°	1140.5	874.7	773.1	638.6	472.5	327.2	244.0	188.9	130.6	105.9	84.9
7.5°	1188.6	886.8	787.7	656.8	488.2	335.2	248.3	193.5	132.2	107.1	85.8
5°	1223.2	895.5	798.3	669.8	499.5	341.0	251.3	196.8	133.4	107.9	86.4
2.5°	1244.0	900.7	804.6	677.7	506.2	344.4	253.2	198.8	134.1	108.4	86.8
0°	1251.0	902.5	806.7	680.3	508.5	345.6	253.8	199.5	134.3	108.6	86.9
-2.5°	1244.0	900.7	804.6	677.7	506.2	344.4	253.2	198.8	134.1	108.4	86.8
-5°	1223.2	895.5	798.3	669.8	499.5	341.0	251.3	196.8	133.4	107.9	86.4
-7.5°	1188.6	886.8	787.7	656.8	488.2	335.2	248.3	193.5	132.2	107.1	85.8
-10°	1140.5	874.7	773.1	638.6	472.5	327.2	244.0	188.9	130.6	105.9	84.9
-12.5°	1079.2	859.2	754.4	615.3	452.4	316.9	238.5	183.0	128.5	104.3	83.9
-15°	1005.0	840.5	731.7	587.1	428.0	304.4	231.8	175.8	126.0	102.4	82.5
-17.5°	918.5	818.6	705.2	554.1	399.4	289.8	224.0	167.4	123.1	100.2	81.0
-20°	879.8	789.4	673.0	516.4	366.7	273.1	215.0	157.7	119.7	97.7	79.2



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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°	849.7	752.7	626.9	475.9	336.9	254.3	205.0	146.9	115.8	94.9	77.1
-25°	816.5	712.2	576.2	431.7	314.1	241.8	192.7	134.8	111.6	91.7	74.9
-27.5°	772.1	663.9	521.0	383.5	289.2	228.3	178.1	129.3	107.2	88.3	72.4
-30°	721.2	599.6	464.0	337.7	262.3	213.8	162.2	123.7	103.0	85.0	69.8
-32.5°	662.1	531.1	403.7	306.3	241.8	198.0	145.2	117.7	98.4	81.7	67.3
-35°	584.2	461.1	342.4	273.1	223.7	178.1	131.5	111.2	93.6	78.1	64.7
-37.5°	502.7	388.7	304.4	244.4	204.5	157.0	123.9	105.0	88.4	74.4	62.0
-40°	421.6	327.2	264.7	222.6	181.4	134.8	116.0	99.0	83.7	70.4	59.1
-42.5°	341.0	282.8	235.7	199.9	156.1	125.4	107.8	92.6	79.0	66.8	56.1
-45°	291.9	243.7	210.3	171.5	132.5	115.8	100.4	86.1	74.1	63.2	53.2
-47.5°	246.3	215.5	180.8	142.1	121.8	106.4	92.8	80.4	69.0	59.4	50.6
-50°	215.5	184.0	148.3	125.4	110.7	97.7	85.2	74.5	64.6	55.5	47.9
-52.5°	180.8	148.3	126.6	113.1	100.7	88.8	78.5	68.6	60.1	52.0	45.1
-55°	142.1	125.4	113.1	101.7	90.8	81.0	71.6	63.3	55.4	48.7	42.2
-57.5°	121.8	110.7	100.7	90.8	81.8	73.3	65.3	58.0	51.3	45.3	39.4
-60°	106.4	97.7	88.8	81.0	73.3	66.0	59.3	52.9	47.4	41.8	36.6
-62.5°	92.8	85.2	78.5	71.6	65.3	59.3	53.4	48.4	43.3	38.5	33.7
-65°	80.4	74.5	68.6	63.3	58.0	52.9	48.4	43.9	39.5	35.1	30.9
-67.5°	69.0	64.6	60.1	55.4	51.3	47.4	43.3	39.5	35.6	31.7	28.4
-70°	59.4	55.5	52.0	48.7	45.3	41.8	38.5	35.1	31.7	28.8	25.9
-72.5°	50.6	47.9	45.1	42.2	39.4	36.6	33.7	30.9	28.4	25.9	23.4
-75°	42.8	40.7	38.4	36.1	33.8	31.4	29.3	27.3	25.1	23.0	21.2
-77.5°	35.6	33.8	31.9	30.3	28.7	27.0	25.3	23.6	22.0	20.6	19.2
-80°	28.9	27.7	26.5	25.2	24.0	22.6	21.6	20.5	19.4	18.3	17.2
-82.5°	22.9	22.2	21.5	20.8	20.0	19.2	18.4	17.6	16.8	16.0	14.2
-85°	18.2	17.8	17.3	16.8	16.3	15.8	14.6	13.3	12.1	10.8	9.5
-87.5°	10.7	10.2	9.6	9.1	8.5	7.9	7.3	6.7	6.0	5.4	4.7
-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°	4.1	3.4	2.7	2.1	1.4	0.7	0.0
85°	8.2	6.8	5.5	4.1	2.8	1.4	0.0
82.5°	12.2	10.2	8.2	6.2	4.1	2.1	0.0
80°	16.0	13.6	10.9	8.2	5.5	2.7	0.0
77.5°	17.8	16.3	13.6	10.2	6.8	3.4	0.0
75°	19.5	17.8	16.0	12.2	8.2	4.1	0.0
72.5°	21.2	19.2	17.2	14.2	9.5	4.7	0.0
70°	23.0	20.6	18.3	16.0	10.8	5.4	0.0
67.5°	25.1	22.0	19.4	16.8	12.1	6.0	0.0
65°	27.3	23.6	20.5	17.6	13.3	6.7	0.0
62.5°	29.3	25.3	21.6	18.4	14.6	7.3	0.0
60°	31.4	27.0	22.6	19.2	15.8	7.9	0.0
57.5°	33.8	28.7	24.0	20.0	16.3	8.5	0.0
55°	36.1	30.3	25.2	20.8	16.8	9.1	0.0
52.5°	38.4	31.9	26.5	21.5	17.3	9.6	0.0
50°	40.7	33.8	27.7	22.2	17.8	10.2	0.0
47.5°	42.8	35.6	28.9	22.9	18.2	10.7	0.0
45°	45.1	37.3	30.0	23.8	18.7	11.2	0.0
42.5°	47.2	38.9	31.1	24.6	19.1	11.6	0.0
40°	49.3	40.5	32.2	25.3	19.5	12.1	0.0
37.5°	51.2	42.0	33.4	26.1	19.8	12.5	0.0
35°	53.1	43.5	34.6	26.8	20.2	12.9	0.0
32.5°	54.9	44.9	35.6	27.4	20.5	13.3	0.0
30°	57.0	46.3	36.6	28.0	20.8	13.7	0.0
27.5°	58.9	47.5	37.5	28.6	21.1	14.0	0.0
25°	60.6	48.7	38.4	29.1	21.4	14.3	0.0
22.5°	62.2	49.7	39.2	29.6	21.6	14.6	0.0
20°	63.6	50.7	39.8	30.0	21.9	14.8	0.0
17.5°	64.9	51.5	40.5	30.4	22.1	15.1	0.0
15°	66.0	52.3	41.0	30.7	22.2	15.3	0.0
12.5°	66.9	52.9	41.5	31.0	22.4	15.4	0.0
10°	67.7	53.4	41.8	31.2	22.5	15.6	0.0
7.5°	68.3	53.8	42.1	31.4	22.6	15.7	0.0
5°	68.8	54.1	42.3	31.5	22.6	15.7	0.0
2.5°	69.0	54.2	42.5	31.6	22.7	15.8	0.0
0°	69.1	54.3	42.5	31.6	22.7	15.8	0.0
-2.5°	69.0	54.2	42.5	31.6	22.7	15.8	0.0
-5°	68.8	54.1	42.3	31.5	22.6	15.7	0.0
-7.5°	68.3	53.8	42.1	31.4	22.6	15.7	0.0
-10°	67.7	53.4	41.8	31.2	22.5	15.6	0.0
-12.5°	66.9	52.9	41.5	31.0	22.4	15.4	0.0
-15°	66.0	52.3	41.0	30.7	22.2	15.3	0.0
-17.5°	64.9	51.5	40.5	30.4	22.1	15.1	0.0
-20°	63.6	50.7	39.8	30.0	21.9	14.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	62.2	49.7	39.2	29.6	21.6	14.6	0.0
-25°	60.6	48.7	38.4	29.1	21.4	14.3	0.0
-27.5°	58.9	47.5	37.5	28.6	21.1	14.0	0.0
-30°	57.0	46.3	36.6	28.0	20.8	13.7	0.0
-32.5°	54.9	44.9	35.6	27.4	20.5	13.3	0.0
-35°	53.1	43.5	34.6	26.8	20.2	12.9	0.0
-37.5°	51.2	42.0	33.4	26.1	19.8	12.5	0.0
-40°	49.3	40.5	32.2	25.3	19.5	12.1	0.0
-42.5°	47.2	38.9	31.1	24.6	19.1	11.6	0.0
-45°	45.1	37.3	30.0	23.8	18.7	11.2	0.0
-47.5°	42.8	35.6	28.9	22.9	18.2	10.7	0.0
-50°	40.7	33.8	27.7	22.2	17.8	10.2	0.0
-52.5°	38.4	31.9	26.5	21.5	17.3	9.6	0.0
-55°	36.1	30.3	25.2	20.8	16.8	9.1	0.0
-57.5°	33.8	28.7	24.0	20.0	16.3	8.5	0.0
-60°	31.4	27.0	22.6	19.2	15.8	7.9	0.0
-62.5°	29.3	25.3	21.6	18.4	14.6	7.3	0.0
-65°	27.3	23.6	20.5	17.6	13.3	6.7	0.0
-67.5°	25.1	22.0	19.4	16.8	12.1	6.0	0.0
-70°	23.0	20.6	18.3	16.0	10.8	5.4	0.0
-72.5°	21.2	19.2	17.2	14.2	9.5	4.7	0.0
-75°	19.5	17.8	16.0	12.2	8.2	4.1	0.0
-77.5°	17.8	16.3	13.6	10.2	6.8	3.4	0.0
-80°	16.0	13.6	10.9	8.2	5.5	2.7	0.0
-82.5°	12.2	10.2	8.2	6.2	4.1	2.1	0.0
-85°	8.2	6.8	5.5	4.1	2.8	1.4	0.0
-87.5°	4.1	3.4	2.7	2.1	1.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)