

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: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-40-80-2R-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-15)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200L-40-80-2R-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 80 CRI LEDS AND 2R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

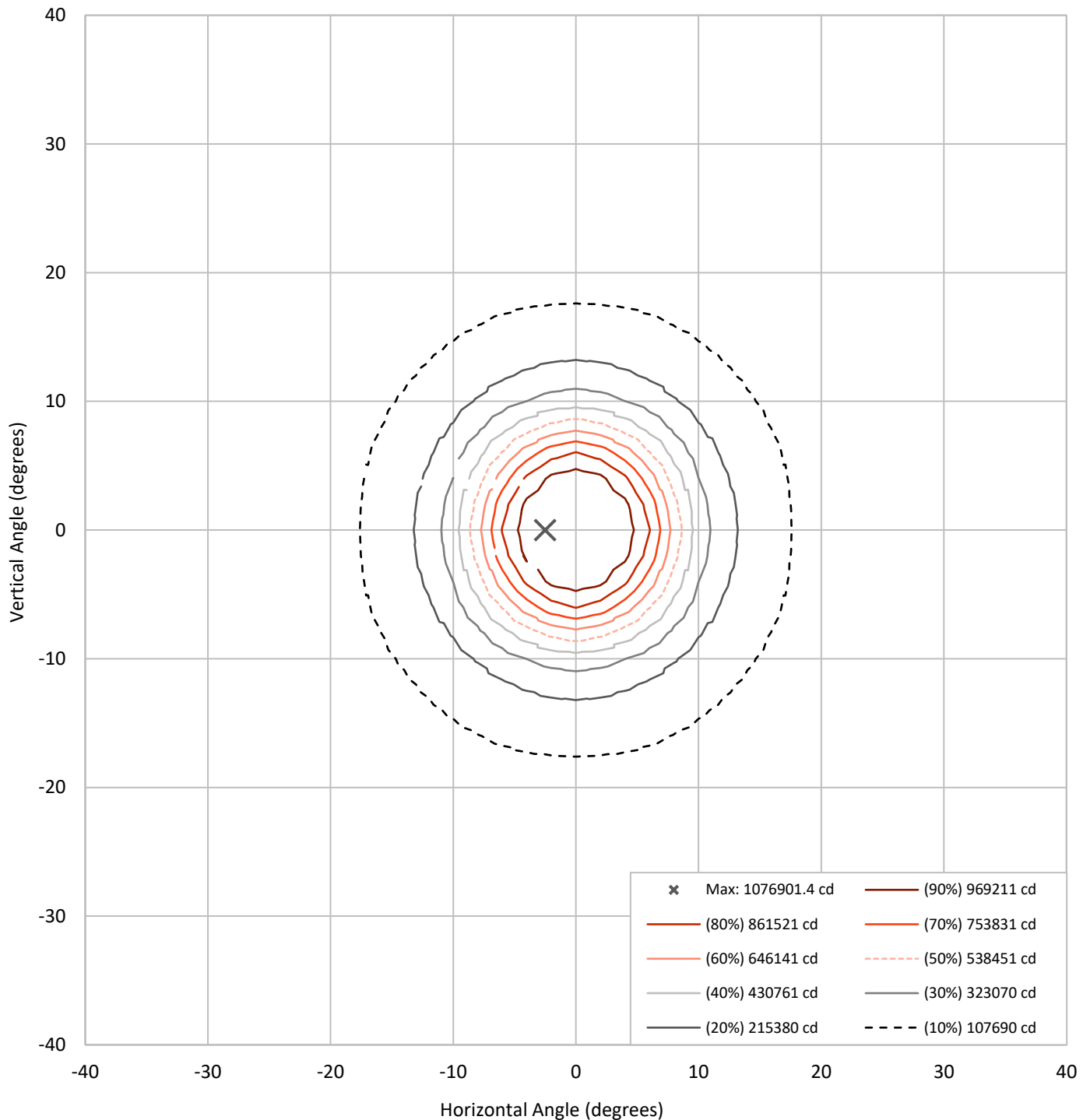
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	170628 lumens	Max Intensity:	1076901.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	139.5 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		

Beam Angle (50%):	17.3°H x 16.4°V	Field Angle (10%):	34.8°H x 34.6°V
Beam Lumens:	53250.7 lumens	Field Lumens:	108902 lumens
Beam Efficiency:	31.2%	Field Efficiency:	63.8%

Input Watts (W): 1223
Input Voltage (V): NR
Input Current (A_{in}): 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-LS16-1200L-40-80-2R-A

Iso-Candela Plot





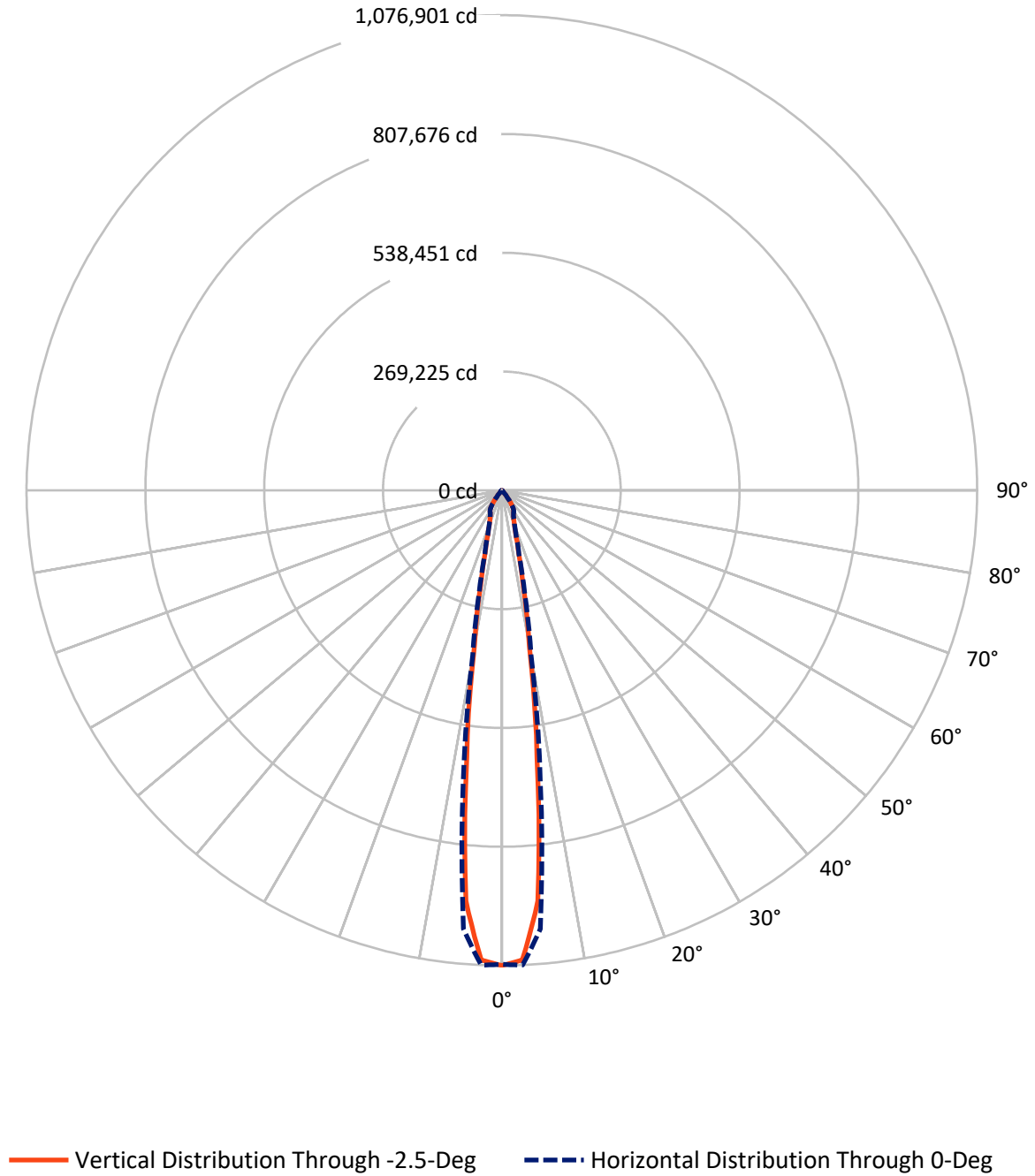
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Lumen Table

90	0.3	1.3		2.7		4.1		4.6		4.1		2.7		1.3		0.3
80	0.3	1.3		2.7		4.1		4.6		4.1		2.7		1.3		0.3
70	0.5	0.5	0.9	1.4	2.1	3.5	5.2	6.1	6.1	5.2	3.5	2.1	1.4	0.9	0.5	0.5
60		0.7	1.3	3.4	7.7	10.9	13.3	14.7	14.7	13.3	10.9	7.7	3.4	1.3	0.7	
50	0.8	0.9	2.8	7.9	12.4	20.5	45.3	79.8	79.8	45.3	20.5	12.4	7.9	2.8	0.9	0.8
40		1.1	5.4	10.8	28.6	206.1	656.7	990.8	990.8	656.7	206.1	28.6	10.8	5.4	1.1	
30	1.0	1.7	7.0	16.2	188.5	968.8	1598.4	1904.8	1904.8	1598.4	968.8	188.5	16.2	7.0	1.7	1.0
20		2.4	8.0	34.0	565.2	1501.8	2421.3	4608.4	4608.4	2421.3	1501.8	565.2	34.0	8.0	2.4	
10	1.0	2.7	8.6	58.7	825.4	1737.1	4487.1	19556.6	19556.6	4487.1	1737.1	825.4	58.7	8.6	2.7	1.0
0		2.7	8.6	58.7	825.4	1737.1	4487.1	19556.6	19556.6	4487.1	1737.1	825.4	58.7	8.6	2.7	
-10	1.0	2.4	8.0	34.0	565.2	1501.8	2421.3	4608.4	4608.4	2421.3	1501.8	565.2	34.0	8.0	2.4	1.0
-20		1.7	7.0	16.2	188.5	968.8	1598.4	1904.8	1904.8	1598.4	968.8	188.5	16.2	7.0	1.7	
-30	0.8	1.1	5.4	10.8	28.6	206.1	656.7	990.8	990.8	656.7	206.1	28.6	10.8	5.4	1.1	0.8
-40		0.9	2.8	7.9	12.4	20.5	45.3	79.8	79.8	45.3	20.5	12.4	7.9	2.8	0.9	
-50	0.5	0.7	1.3	3.4	7.7	10.9	13.3	14.7	14.7	13.3	10.9	7.7	3.4	1.3	0.7	0.5
-60		0.5	0.9	1.4	2.1	3.5	5.2	6.1	6.1	5.2	3.5	2.1	1.4	0.9	0.5	
-70	0.3	1.3		2.7		4.1		4.6		4.1		2.7		1.3		0.3
-80		1.3		2.7		4.1		4.6		4.1		2.7		1.3		
-90	0.3	1.3		2.7		4.1		4.6		4.1		2.7		1.3		0.3

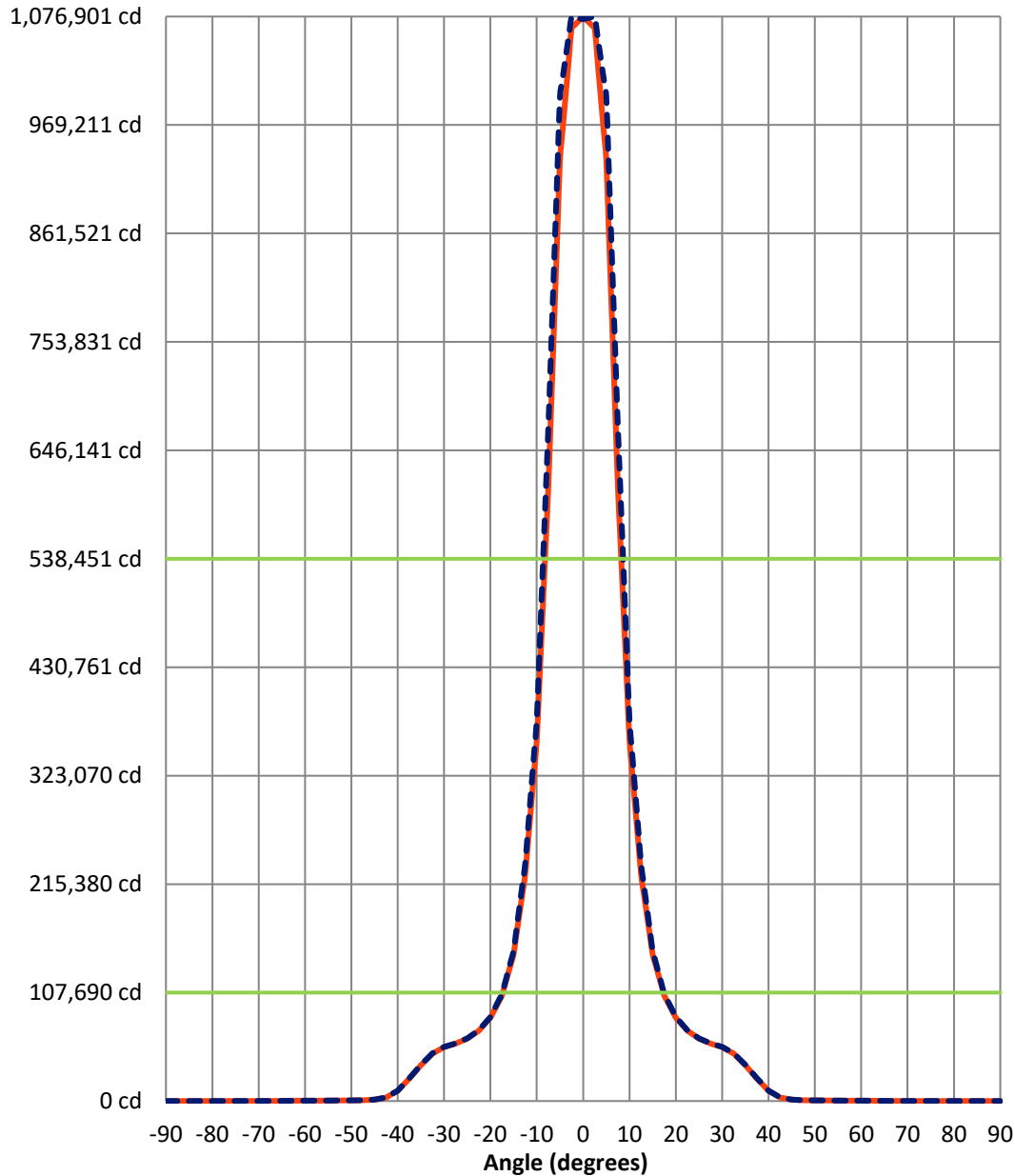
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 17.3°
 V Angle: 16.4°
 Lumens: 53250.7
 Efficiency: 31.2%

Field:
 H Angle: 34.8°
 V Angle: 34.6°
 Lumens: 108902
 Efficiency: 63.8%

Spill:
 Lumens: 61726
 Efficiency: 36.2%

— Vertical Distribution through -2.5-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	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.3	7.0	7.7
85°	0.0	1.6	3.2	4.8	6.3	7.9	9.5	11.0	12.5	14.0	15.5
82.5°	0.0	2.4	4.8	7.1	9.5	11.9	14.2	16.5	18.3	18.3	18.3
80°	0.0	3.2	6.3	9.5	12.6	15.8	18.3	18.3	18.3	18.3	18.3
77.5°	0.0	4.0	7.9	11.9	15.8	18.3	18.3	18.3	18.3	18.3	19.2
75°	0.0	4.7	9.5	14.2	18.3	18.3	18.3	18.3	18.6	20.8	23.0
72.5°	0.0	5.5	11.0	16.5	18.3	18.3	18.3	19.0	21.6	24.2	26.7
70°	0.0	6.3	12.5	18.3	18.3	18.3	18.6	21.6	24.6	27.5	30.4
67.5°	0.0	7.0	14.0	18.3	18.3	18.3	20.8	24.2	27.5	30.8	34.1
65°	0.0	7.7	15.5	18.3	18.3	19.2	23.0	26.7	30.4	34.1	37.7
62.5°	0.0	8.4	16.9	18.3	18.3	21.0	25.1	29.2	33.2	37.2	41.2
60°	0.0	9.1	18.3	18.3	18.3	22.7	27.2	31.6	36.0	40.4	44.6
57.5°	0.0	9.8	18.3	18.3	19.6	24.4	29.2	34.0	38.7	43.4	48.0
55°	0.0	10.5	18.3	18.3	20.9	26.1	31.2	36.3	41.4	46.4	51.3
52.5°	0.0	11.1	18.3	18.3	22.2	27.7	33.2	38.6	43.9	49.3	54.6
50°	0.0	11.8	18.3	18.3	23.4	29.2	35.0	40.8	46.4	52.1	57.7
47.5°	0.0	12.4	18.3	18.5	24.6	30.7	36.9	42.9	48.9	54.8	60.7
45°	0.0	12.9	18.3	19.4	25.8	32.2	38.6	44.9	51.2	57.4	63.6
42.5°	0.0	13.5	18.3	20.2	26.9	33.6	40.2	46.8	53.4	60.0	68.8
40°	0.0	14.0	18.3	21.0	27.9	34.9	41.8	48.7	55.6	62.4	74.2
37.5°	0.0	14.5	18.3	21.7	28.9	36.2	43.3	50.5	57.6	65.3	79.3
35°	0.0	15.0	18.3	22.4	29.9	37.4	44.8	52.2	59.5	69.6	83.2
32.5°	0.0	15.4	18.3	23.1	30.8	38.5	46.1	53.8	61.3	73.7	85.5
30°	0.0	15.8	18.3	23.7	31.6	39.5	47.4	55.2	63.0	77.6	87.6
27.5°	0.0	16.2	18.3	24.3	32.4	40.5	48.5	56.6	65.2	81.2	89.6
25°	0.0	16.6	18.3	24.8	33.1	41.4	49.6	57.9	68.1	83.4	91.9
22.5°	0.0	16.9	18.3	25.3	33.8	42.2	50.6	59.0	70.7	84.9	102.0
20°	0.0	17.2	18.3	25.7	34.4	42.9	51.5	60.0	73.1	86.2	111.1
17.5°	0.0	17.5	18.3	26.1	34.9	43.6	52.3	61.0	75.3	87.4	119.3
15°	0.0	17.7	18.3	26.5	35.3	44.1	53.0	61.8	77.1	88.5	126.4
12.5°	0.0	17.9	18.3	26.7	35.7	44.6	53.6	62.4	78.7	89.4	132.4
10°	0.0	18.0	18.3	27.0	36.0	45.0	54.0	63.0	80.0	90.1	137.4
7.5°	0.0	18.1	18.3	27.2	36.3	45.3	54.4	63.4	81.0	90.7	141.3
5°	0.0	18.2	18.3	27.3	36.5	45.5	54.7	63.7	81.7	91.1	144.1
2.5°	0.0	18.3	18.3	27.4	36.6	45.7	54.8	63.9	82.2	91.3	145.7
0°	0.0	18.3	18.3	27.4	36.6	45.7	54.8	63.9	82.2	91.3	145.7
-2.5°	0.0	18.3	18.3	27.4	36.6	45.7	54.8	63.9	82.2	91.3	145.7
-5°	0.0	18.2	18.3	27.3	36.5	45.5	54.7	63.7	81.7	91.1	144.1
-7.5°	0.0	18.1	18.3	27.2	36.3	45.3	54.4	63.4	81.0	90.7	141.3
-10°	0.0	18.0	18.3	27.0	36.0	45.0	54.0	63.0	80.0	90.1	137.4
-12.5°	0.0	17.9	18.3	26.7	35.7	44.6	53.6	62.4	78.7	89.4	132.4
-15°	0.0	17.7	18.3	26.5	35.3	44.1	53.0	61.8	77.1	88.5	126.4
-17.5°	0.0	17.5	18.3	26.1	34.9	43.6	52.3	61.0	75.3	87.4	119.3
-20°	0.0	17.2	18.3	25.7	34.4	42.9	51.5	60.0	73.1	86.2	111.1



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 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.9	18.3	25.3	33.8	42.2	50.6	59.0	70.7	84.9	102.0
-25°	0.0	16.6	18.3	24.8	33.1	41.4	49.6	57.9	68.1	83.4	91.9
-27.5°	0.0	16.2	18.3	24.3	32.4	40.5	48.5	56.6	65.2	81.2	89.6
-30°	0.0	15.8	18.3	23.7	31.6	39.5	47.4	55.2	63.0	77.6	87.6
-32.5°	0.0	15.4	18.3	23.1	30.8	38.5	46.1	53.8	61.3	73.7	85.5
-35°	0.0	15.0	18.3	22.4	29.9	37.4	44.8	52.2	59.5	69.6	83.2
-37.5°	0.0	14.5	18.3	21.7	28.9	36.2	43.3	50.5	57.6	65.3	79.3
-40°	0.0	14.0	18.3	21.0	27.9	34.9	41.8	48.7	55.6	62.4	74.2
-42.5°	0.0	13.5	18.3	20.2	26.9	33.6	40.2	46.8	53.4	60.0	68.8
-45°	0.0	12.9	18.3	19.4	25.8	32.2	38.6	44.9	51.2	57.4	63.6
-47.5°	0.0	12.4	18.3	18.5	24.6	30.7	36.9	42.9	48.9	54.8	60.7
-50°	0.0	11.8	18.3	18.3	23.4	29.2	35.0	40.8	46.4	52.1	57.7
-52.5°	0.0	11.1	18.3	18.3	22.2	27.7	33.2	38.6	43.9	49.3	54.6
-55°	0.0	10.5	18.3	18.3	20.9	26.1	31.2	36.3	41.4	46.4	51.3
-57.5°	0.0	9.8	18.3	18.3	19.6	24.4	29.2	34.0	38.7	43.4	48.0
-60°	0.0	9.1	18.3	18.3	18.3	22.7	27.2	31.6	36.0	40.4	44.6
-62.5°	0.0	8.4	16.9	18.3	18.3	21.0	25.1	29.2	33.2	37.2	41.2
-65°	0.0	7.7	15.5	18.3	18.3	19.2	23.0	26.7	30.4	34.1	37.7
-67.5°	0.0	7.0	14.0	18.3	18.3	18.3	20.8	24.2	27.5	30.8	34.1
-70°	0.0	6.3	12.5	18.3	18.3	18.3	18.6	21.6	24.6	27.5	30.4
-72.5°	0.0	5.5	11.0	16.5	18.3	18.3	18.3	19.0	21.6	24.2	26.7
-75°	0.0	4.7	9.5	14.2	18.3	18.3	18.3	18.3	18.6	20.8	23.0
-77.5°	0.0	4.0	7.9	11.9	15.8	18.3	18.3	18.3	18.3	18.3	19.2
-80°	0.0	3.2	6.3	9.5	12.6	15.8	18.3	18.3	18.3	18.3	18.3
-82.5°	0.0	2.4	4.8	7.1	9.5	11.9	14.2	16.5	18.3	18.3	18.3
-85°	0.0	1.6	3.2	4.8	6.3	7.9	9.5	11.0	12.5	14.0	15.5
-87.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.3	7.0	7.7
-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):

	-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°	8.4	9.1	9.8	10.5	11.1	11.8	12.4	12.9	13.5	14.0	14.5
85°	16.9	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
82.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.5	19.4	20.2	21.0	21.7
80°	18.3	18.3	19.6	20.9	22.2	23.4	24.6	25.8	26.9	27.9	28.9
77.5°	21.0	22.7	24.4	26.1	27.7	29.2	30.7	32.2	33.6	34.9	36.2
75°	25.1	27.2	29.2	31.2	33.2	35.0	36.9	38.6	40.2	41.8	43.3
72.5°	29.2	31.6	34.0	36.3	38.6	40.8	42.9	44.9	46.8	48.7	50.5
70°	33.2	36.0	38.7	41.4	43.9	46.4	48.9	51.2	53.4	55.6	57.6
67.5°	37.2	40.4	43.4	46.4	49.3	52.1	54.8	57.4	60.0	62.4	65.3
65°	41.2	44.6	48.0	51.3	54.6	57.7	60.7	63.6	68.8	74.2	79.3
62.5°	45.0	48.8	52.6	56.2	59.7	63.1	69.0	75.4	81.6	84.9	87.7
60°	48.8	53.0	57.0	61.0	65.6	73.1	80.4	84.9	88.2	91.9	110.5
57.5°	52.6	57.0	61.4	67.3	75.7	83.0	87.0	90.8	109.8	131.0	165.7
55°	56.2	61.0	67.3	76.5	83.9	88.3	98.0	122.7	147.7	235.9	320.3
52.5°	59.7	65.6	75.7	83.9	88.7	103.2	130.6	188.1	286.6	359.9	371.8
50°	63.1	73.1	83.0	88.3	103.2	133.2	208.4	317.4	365.3	378.6	386.5
47.5°	69.0	80.4	87.0	98.0	130.6	208.4	327.7	368.0	382.7	388.3	392.9
45°	75.4	84.9	90.8	122.7	188.1	317.4	368.0	384.1	389.3	401.9	440.8
42.5°	81.6	88.2	109.8	147.7	286.6	365.3	382.7	389.3	405.7	448.5	501.4
40°	84.9	91.9	131.0	235.9	359.9	378.6	388.3	401.9	448.5	507.3	572.9
37.5°	87.7	110.5	165.7	320.3	371.8	386.5	392.9	440.8	501.4	572.9	636.7
35°	90.4	128.3	239.9	362.4	383.1	390.6	425.4	483.8	560.9	631.1	702.0
32.5°	100.6	145.0	310.0	372.3	387.3	402.8	458.7	537.1	614.3	688.4	771.7
30°	114.9	201.7	359.1	381.7	390.7	432.0	501.9	586.6	663.8	750.9	1035.4
27.5°	128.3	258.0	367.2	386.2	398.5	459.4	546.1	630.2	716.7	876.7	1389.9
25°	140.6	310.0	374.6	388.9	422.1	494.1	586.4	670.9	768.4	1187.9	2293.2
22.5°	167.5	356.7	381.5	391.4	443.7	529.2	621.2	714.2	911.5	1506.5	3283.1
20°	206.5	362.4	385.3	396.6	463.3	561.1	652.9	754.8	1157.0	2351.1	5501.3
17.5°	241.2	367.4	387.1	412.6	488.0	588.6	682.2	791.1	1377.9	3113.1	8122.1
15°	271.5	371.8	388.7	426.7	511.0	611.5	711.7	950.4	1813.1	4208.6	10500.0
12.5°	297.3	375.5	390.1	438.7	530.7	631.2	737.0	1104.7	2347.9	6057.2	14129.8
10°	318.6	378.6	391.2	448.6	546.9	647.5	757.9	1232.5	2791.5	7593.3	17152.5
7.5°	335.2	381.0	392.1	456.4	559.6	660.2	774.3	1332.9	3140.3	8803.2	19538.0
5°	347.1	382.7	392.7	461.9	568.8	669.3	786.1	1405.1	3391.6	9675.9	21261.1
2.5°	354.2	383.8	393.1	465.3	574.3	674.9	793.2	1448.6	3543.2	10202.9	22302.8
0°	356.6	384.1	393.2	466.4	576.1	676.7	795.6	1463.2	3593.9	10379.2	22651.4
-2.5°	354.2	383.8	393.1	465.3	574.3	674.9	793.2	1448.6	3543.2	10202.9	22302.8
-5°	347.1	382.7	392.7	461.9	568.8	669.3	786.1	1405.1	3391.6	9675.9	21261.1
-7.5°	335.2	381.0	392.1	456.4	559.6	660.2	774.3	1332.9	3140.3	8803.2	19538.0
-10°	318.6	378.6	391.2	448.6	546.9	647.5	757.9	1232.5	2791.5	7593.3	17152.5
-12.5°	297.3	375.5	390.1	438.7	530.7	631.2	737.0	1104.7	2347.9	6057.2	14129.8
-15°	271.5	371.8	388.7	426.7	511.0	611.5	711.7	950.4	1813.1	4208.6	10500.0
-17.5°	241.2	367.4	387.1	412.6	488.0	588.6	682.2	791.1	1377.9	3113.1	8122.1
-20°	206.5	362.4	385.3	396.6	463.3	561.1	652.9	754.8	1157.0	2351.1	5501.3



REPORT NUMBER: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	167.5	356.7	381.5	391.4	443.7	529.2	621.2	714.2	911.5	1506.5	3283.1
-25°	140.6	310.0	374.6	388.9	422.1	494.1	586.4	670.9	768.4	1187.9	2293.2
-27.5°	128.3	258.0	367.2	386.2	398.5	459.4	546.1	630.2	716.7	876.7	1389.9
-30°	114.9	201.7	359.1	381.7	390.7	432.0	501.9	586.6	663.8	750.9	1035.4
-32.5°	100.6	145.0	310.0	372.3	387.3	402.8	458.7	537.1	614.3	688.4	771.7
-35°	90.4	128.3	239.9	362.4	383.1	390.6	425.4	483.8	560.9	631.1	702.0
-37.5°	87.7	110.5	165.7	320.3	371.8	386.5	392.9	440.8	501.4	572.9	636.7
-40°	84.9	91.9	131.0	235.9	359.9	378.6	388.3	401.9	448.5	507.3	572.9
-42.5°	81.6	88.2	109.8	147.7	286.6	365.3	382.7	389.3	405.7	448.5	501.4
-45°	75.4	84.9	90.8	122.7	188.1	317.4	368.0	384.1	389.3	401.9	440.8
-47.5°	69.0	80.4	87.0	98.0	130.6	208.4	327.7	368.0	382.7	388.3	392.9
-50°	63.1	73.1	83.0	88.3	103.2	133.2	208.4	317.4	365.3	378.6	386.5
-52.5°	59.7	65.6	75.7	83.9	88.7	103.2	130.6	188.1	286.6	359.9	371.8
-55°	56.2	61.0	67.3	76.5	83.9	88.3	98.0	122.7	147.7	235.9	320.3
-57.5°	52.6	57.0	61.4	67.3	75.7	83.0	87.0	90.8	109.8	131.0	165.7
-60°	48.8	53.0	57.0	61.0	65.6	73.1	80.4	84.9	88.2	91.9	110.5
-62.5°	45.0	48.8	52.6	56.2	59.7	63.1	69.0	75.4	81.6	84.9	87.7
-65°	41.2	44.6	48.0	51.3	54.6	57.7	60.7	63.6	68.8	74.2	79.3
-67.5°	37.2	40.4	43.4	46.4	49.3	52.1	54.8	57.4	60.0	62.4	65.3
-70°	33.2	36.0	38.7	41.4	43.9	46.4	48.9	51.2	53.4	55.6	57.6
-72.5°	29.2	31.6	34.0	36.3	38.6	40.8	42.9	44.9	46.8	48.7	50.5
-75°	25.1	27.2	29.2	31.2	33.2	35.0	36.9	38.6	40.2	41.8	43.3
-77.5°	21.0	22.7	24.4	26.1	27.7	29.2	30.7	32.2	33.6	34.9	36.2
-80°	18.3	18.3	19.6	20.9	22.2	23.4	24.6	25.8	26.9	27.9	28.9
-82.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.5	19.4	20.2	21.0	21.7
-85°	16.9	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
-87.5°	8.4	9.1	9.8	10.5	11.1	11.8	12.4	12.9	13.5	14.0	14.5
-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: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.0	15.4	15.8	16.2	16.6	16.9	17.2	17.5	17.7	17.9	18.0
85°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
82.5°	22.4	23.1	23.7	24.3	24.8	25.3	25.7	26.1	26.5	26.7	27.0
80°	29.9	30.8	31.6	32.4	33.1	33.8	34.4	34.9	35.3	35.7	36.0
77.5°	37.4	38.5	39.5	40.5	41.4	42.2	42.9	43.6	44.1	44.6	45.0
75°	44.8	46.1	47.4	48.5	49.6	50.6	51.5	52.3	53.0	53.6	54.0
72.5°	52.2	53.8	55.2	56.6	57.9	59.0	60.0	61.0	61.8	62.4	63.0
70°	59.5	61.3	63.0	65.2	68.1	70.7	73.1	75.3	77.1	78.7	80.0
67.5°	69.6	73.7	77.6	81.2	83.4	84.9	86.2	87.4	88.5	89.4	90.1
65°	83.2	85.5	87.6	89.6	91.9	102.0	111.1	119.3	126.4	132.4	137.4
62.5°	90.4	100.6	114.9	128.3	140.6	167.5	206.5	241.2	271.5	297.3	318.6
60°	128.3	145.0	201.7	258.0	310.0	356.7	362.4	367.4	371.8	375.5	378.6
57.5°	239.9	310.0	359.1	367.2	374.6	381.5	385.3	387.1	388.7	390.1	391.2
55°	362.4	372.3	381.7	386.2	388.9	391.4	396.6	412.6	426.7	438.7	448.6
52.5°	383.1	387.3	390.7	398.5	422.1	443.7	463.3	488.0	511.0	530.7	546.9
50°	390.6	402.8	432.0	459.4	494.1	529.2	561.1	588.6	611.5	631.2	647.5
47.5°	425.4	458.7	501.9	546.1	586.4	621.2	652.9	682.2	711.7	737.0	757.9
45°	483.8	537.1	586.6	630.2	670.9	714.2	754.8	791.1	950.4	1104.7	1232.5
42.5°	560.9	614.3	663.8	716.7	768.4	911.5	1157.0	1377.9	1813.1	2347.9	2791.5
40°	631.1	688.4	750.9	876.7	1187.9	1506.5	2351.1	3113.1	4208.6	6057.2	7593.3
37.5°	702.0	771.7	1035.4	1389.9	2293.2	3283.1	5501.3	8122.1	10500.0	14129.8	17152.5
35°	778.7	1115.7	1622.3	2828.4	4778.9	8161.0	12006.7	17124.9	21677.3	25876.9	29453.6
32.5°	1115.7	1754.3	3099.4	6106.7	9975.3	16204.4	22270.7	28241.5	33601.0	37939.4	41292.7
30°	1622.3	3099.4	6553.3	11312.8	18773.9	26064.4	33150.5	39120.3	44115.4	48012.7	50037.3
27.5°	2828.4	6106.7	11312.8	19639.2	28009.2	36139.6	42684.1	48137.8	51132.4	53759.1	54976.6
25°	4778.9	9975.3	18773.9	28009.2	37013.5	44500.6	49699.7	53289.4	55285.4	56854.1	58623.8
22.5°	8161.0	16204.4	26064.4	36139.6	44500.6	50227.7	54110.7	56228.8	58588.0	61089.2	63810.7
20°	12006.7	22270.7	33150.5	42684.1	49699.7	54110.7	56548.8	59567.4	62853.7	67239.9	71512.7
17.5°	17124.9	28241.5	39120.3	48137.8	53289.4	56228.8	59567.4	63692.0	69017.7	76165.6	83133.7
15°	21677.3	33601.0	44115.4	51132.4	55285.4	58588.0	62853.7	69017.7	77761.5	88718.0	102128.5
12.5°	25876.9	37939.4	48012.7	53759.1	56854.1	61089.2	67239.9	76165.6	88718.0	105385.7	132833.9
10°	29453.6	41292.7	50037.3	54976.6	58623.8	63810.7	71512.7	83133.7	102128.5	132833.9	173377.6
7.5°	32282.8	43952.4	51648.5	55945.4	60182.2	66575.6	76619.2	92735.3	119546.9	161500.8	236639.1
5°	34330.1	45881.3	52820.3	56652.4	61324.4	68613.9	80413.0	100167.3	135661.1	196776.8	301684.5
2.5°	35569.4	47050.7	53532.1	57082.9	62022.2	69864.4	82754.1	104790.9	145807.1	224820.4	358074.7
0°	35984.3	47442.6	53770.8	57227.5	62257.0	70286.1	83545.9	106361.9	149277.9	235622.1	378873.6
-2.5°	35569.4	47050.7	53532.1	57082.9	62022.2	69864.4	82754.1	104790.9	145807.1	224820.4	358074.7
-5°	34330.1	45881.3	52820.3	56652.4	61324.4	68613.9	80413.0	100167.3	135661.1	196776.8	301684.5
-7.5°	32282.8	43952.4	51648.5	55945.4	60182.2	66575.6	76619.2	92735.3	119546.9	161500.8	236639.1
-10°	29453.6	41292.7	50037.3	54976.6	58623.8	63810.7	71512.7	83133.7	102128.5	132833.9	173377.6
-12.5°	25876.9	37939.4	48012.7	53759.1	56854.1	61089.2	67239.9	76165.6	88718.0	105385.7	132833.9
-15°	21677.3	33601.0	44115.4	51132.4	55285.4	58588.0	62853.7	69017.7	77761.5	88718.0	102128.5
-17.5°	17124.9	28241.5	39120.3	48137.8	53289.4	56228.8	59567.4	63692.0	69017.7	76165.6	83133.7
-20°	12006.7	22270.7	33150.5	42684.1	49699.7	54110.7	56548.8	59567.4	62853.7	67239.9	71512.7



REPORT NUMBER: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8161.0	16204.4	26064.4	36139.6	44500.6	50227.7	54110.7	56228.8	58588.0	61089.2	63810.7
-25°	4778.9	9975.3	18773.9	28009.2	37013.5	44500.6	49699.7	53289.4	55285.4	56854.1	58623.8
-27.5°	2828.4	6106.7	11312.8	19639.2	28009.2	36139.6	42684.1	48137.8	51132.4	53759.1	54976.6
-30°	1622.3	3099.4	6553.3	11312.8	18773.9	26064.4	33150.5	39120.3	44115.4	48012.7	50037.3
-32.5°	1115.7	1754.3	3099.4	6106.7	9975.3	16204.4	22270.7	28241.5	33601.0	37939.4	41292.7
-35°	778.7	1115.7	1622.3	2828.4	4778.9	8161.0	12006.7	17124.9	21677.3	25876.9	29453.6
-37.5°	702.0	771.7	1035.4	1389.9	2293.2	3283.1	5501.3	8122.1	10500.0	14129.8	17152.5
-40°	631.1	688.4	750.9	876.7	1187.9	1506.5	2351.1	3113.1	4208.6	6057.2	7593.3
-42.5°	560.9	614.3	663.8	716.7	768.4	911.5	1157.0	1377.9	1813.1	2347.9	2791.5
-45°	483.8	537.1	586.6	630.2	670.9	714.2	754.8	791.1	950.4	1104.7	1232.5
-47.5°	425.4	458.7	501.9	546.1	586.4	621.2	652.9	682.2	711.7	737.0	757.9
-50°	390.6	402.8	432.0	459.4	494.1	529.2	561.1	588.6	611.5	631.2	647.5
-52.5°	383.1	387.3	390.7	398.5	422.1	443.7	463.3	488.0	511.0	530.7	546.9
-55°	362.4	372.3	381.7	386.2	388.9	391.4	396.6	412.6	426.7	438.7	448.6
-57.5°	239.9	310.0	359.1	367.2	374.6	381.5	385.3	387.1	388.7	390.1	391.2
-60°	128.3	145.0	201.7	258.0	310.0	356.7	362.4	367.4	371.8	375.5	378.6
-62.5°	90.4	100.6	114.9	128.3	140.6	167.5	206.5	241.2	271.5	297.3	318.6
-65°	83.2	85.5	87.6	89.6	91.9	102.0	111.1	119.3	126.4	132.4	137.4
-67.5°	69.6	73.7	77.6	81.2	83.4	84.9	86.2	87.4	88.5	89.4	90.1
-70°	59.5	61.3	63.0	65.2	68.1	70.7	73.1	75.3	77.1	78.7	80.0
-72.5°	52.2	53.8	55.2	56.6	57.9	59.0	60.0	61.0	61.8	62.4	63.0
-75°	44.8	46.1	47.4	48.5	49.6	50.6	51.5	52.3	53.0	53.6	54.0
-77.5°	37.4	38.5	39.5	40.5	41.4	42.2	42.9	43.6	44.1	44.6	45.0
-80°	29.9	30.8	31.6	32.4	33.1	33.8	34.4	34.9	35.3	35.7	36.0
-82.5°	22.4	23.1	23.7	24.3	24.8	25.3	25.7	26.1	26.5	26.7	27.0
-85°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
-87.5°	15.0	15.4	15.8	16.2	16.6	16.9	17.2	17.5	17.7	17.9	18.0
-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: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-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°	18.1	18.2	18.3	18.3	18.3	18.2	18.1	18.0	17.9	17.7	17.5
85°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
82.5°	27.2	27.3	27.4	27.4	27.4	27.3	27.2	27.0	26.7	26.5	26.1
80°	36.3	36.5	36.6	36.6	36.6	36.5	36.3	36.0	35.7	35.3	34.9
77.5°	45.3	45.5	45.7	45.7	45.7	45.5	45.3	45.0	44.6	44.1	43.6
75°	54.4	54.7	54.8	54.9	54.8	54.7	54.4	54.0	53.6	53.0	52.3
72.5°	63.4	63.7	63.9	64.0	63.9	63.7	63.4	63.0	62.4	61.8	61.0
70°	81.0	81.7	82.2	82.3	82.2	81.7	81.0	80.0	78.7	77.1	75.3
67.5°	90.7	91.1	91.3	91.4	91.3	91.1	90.7	90.1	89.4	88.5	87.4
65°	141.3	144.1	145.7	146.3	145.7	144.1	141.3	137.4	132.4	126.4	119.3
62.5°	335.2	347.1	354.2	356.6	354.2	347.1	335.2	318.6	297.3	271.5	241.2
60°	381.0	382.7	383.8	384.1	383.8	382.7	381.0	378.6	375.5	371.8	367.4
57.5°	392.1	392.7	393.1	393.2	393.1	392.7	392.1	391.2	390.1	388.7	387.1
55°	456.4	461.9	465.3	466.4	465.3	461.9	456.4	448.6	438.7	426.7	412.6
52.5°	559.6	568.8	574.3	576.1	574.3	568.8	559.6	546.9	530.7	511.0	488.0
50°	660.2	669.3	674.9	676.7	674.9	669.3	660.2	647.5	631.2	611.5	588.6
47.5°	774.3	786.1	793.2	795.6	793.2	786.1	774.3	757.9	737.0	711.7	682.2
45°	1332.9	1405.1	1448.6	1463.2	1448.6	1405.1	1332.9	1232.5	1104.7	950.4	791.1
42.5°	3140.3	3391.6	3543.2	3593.9	3543.2	3391.6	3140.3	2791.5	2347.9	1813.1	1377.9
40°	8803.2	9675.9	10202.9	10379.2	10202.9	9675.9	8803.2	7593.3	6057.2	4208.6	3113.1
37.5°	19538.0	21261.1	22302.8	22651.4	22302.8	21261.1	19538.0	17152.5	14129.8	10500.0	8122.1
35°	32282.8	34330.1	35569.4	35984.3	35569.4	34330.1	32282.8	29453.6	25876.9	21677.3	17124.9
32.5°	43952.4	45881.3	47050.7	47442.6	47050.7	45881.3	43952.4	41292.7	37939.4	33601.0	28241.5
30°	51648.5	52820.3	53532.1	53770.8	53532.1	52820.3	51648.5	50037.3	48012.7	44115.4	39120.3
27.5°	55945.4	56652.4	57082.9	57227.5	57082.9	56652.4	55945.4	54976.6	53759.1	51132.4	48137.8
25°	60182.2	61324.4	62022.2	62257.0	62022.2	61324.4	60182.2	58623.8	56854.1	55285.4	53289.4
22.5°	66575.6	68613.9	69864.4	70286.1	69864.4	68613.9	66575.6	63810.7	61089.2	58588.0	56228.8
20°	76619.2	80413.0	82754.1	83545.9	82754.1	80413.0	76619.2	71512.7	67239.9	62853.7	59567.4
17.5°	92735.3	100167.3	104790.9	106361.9	104790.9	100167.3	92735.3	83133.7	76165.6	69017.7	63692.0
15°	119546.9	135661.1	145807.1	149277.9	145807.1	135661.1	119546.9	102128.5	88718.0	77761.5	69017.7
12.5°	161500.8	196776.8	224820.4	235622.1	224820.4	196776.8	161500.8	132833.9	105385.7	88718.0	76165.6
10°	236639.1	301684.5	358074.7	378873.6	358074.7	301684.5	236639.1	173377.6	132833.9	102128.5	83133.7
7.5°	338500.9	471349.8	610454.3	670017.6	610454.3	471349.8	338500.9	236639.1	161500.8	119546.9	92735.3
5°	471349.8	734009.0	934069.1	997594.1	934069.1	734009.0	471349.8	301684.5	196776.8	135661.1	100167.3
2.5°	610454.3	934069.1	#####	#####	#####	934069.1	610454.3	358074.7	224820.4	145807.1	104790.9
0°	670017.6	997594.1	#####	#####	#####	997594.1	670017.6	378873.6	235622.1	149277.9	106361.9
-2.5°	610454.3	934069.1	#####	#####	#####	934069.1	610454.3	358074.7	224820.4	145807.1	104790.9
-5°	471349.8	734009.0	934069.1	997594.1	934069.1	734009.0	471349.8	301684.5	196776.8	135661.1	100167.3
-7.5°	338500.9	471349.8	610454.3	670017.6	610454.3	471349.8	338500.9	236639.1	161500.8	119546.9	92735.3
-10°	236639.1	301684.5	358074.7	378873.6	358074.7	301684.5	236639.1	173377.6	132833.9	102128.5	83133.7
-12.5°	161500.8	196776.8	224820.4	235622.1	224820.4	196776.8	161500.8	132833.9	105385.7	88718.0	76165.6
-15°	119546.9	135661.1	145807.1	149277.9	145807.1	135661.1	119546.9	102128.5	88718.0	77761.5	69017.7
-17.5°	92735.3	100167.3	104790.9	106361.9	104790.9	100167.3	92735.3	83133.7	76165.6	69017.7	63692.0
-20°	76619.2	80413.0	82754.1	83545.9	82754.1	80413.0	76619.2	71512.7	67239.9	62853.7	59567.4



REPORT NUMBER: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	66575.6	68613.9	69864.4	70286.1	69864.4	68613.9	66575.6	63810.7	61089.2	58588.0	56228.8
-25°	60182.2	61324.4	62022.2	62257.0	62022.2	61324.4	60182.2	58623.8	56854.1	55285.4	53289.4
-27.5°	55945.4	56652.4	57082.9	57227.5	57082.9	56652.4	55945.4	54976.6	53759.1	51132.4	48137.8
-30°	51648.5	52820.3	53532.1	53770.8	53532.1	52820.3	51648.5	50037.3	48012.7	44115.4	39120.3
-32.5°	43952.4	45881.3	47050.7	47442.6	47050.7	45881.3	43952.4	41292.7	37939.4	33601.0	28241.5
-35°	32282.8	34330.1	35569.4	35984.3	35569.4	34330.1	32282.8	29453.6	25876.9	21677.3	17124.9
-37.5°	19538.0	21261.1	22302.8	22651.4	22302.8	21261.1	19538.0	17152.5	14129.8	10500.0	8122.1
-40°	8803.2	9675.9	10202.9	10379.2	10202.9	9675.9	8803.2	7593.3	6057.2	4208.6	3113.1
-42.5°	3140.3	3391.6	3543.2	3593.9	3543.2	3391.6	3140.3	2791.5	2347.9	1813.1	1377.9
-45°	1332.9	1405.1	1448.6	1463.2	1448.6	1405.1	1332.9	1232.5	1104.7	950.4	791.1
-47.5°	774.3	786.1	793.2	795.6	793.2	786.1	774.3	757.9	737.0	711.7	682.2
-50°	660.2	669.3	674.9	676.7	674.9	669.3	660.2	647.5	631.2	611.5	588.6
-52.5°	559.6	568.8	574.3	576.1	574.3	568.8	559.6	546.9	530.7	511.0	488.0
-55°	456.4	461.9	465.3	466.4	465.3	461.9	456.4	448.6	438.7	426.7	412.6
-57.5°	392.1	392.7	393.1	393.2	393.1	392.7	392.1	391.2	390.1	388.7	387.1
-60°	381.0	382.7	383.8	384.1	383.8	382.7	381.0	378.6	375.5	371.8	367.4
-62.5°	335.2	347.1	354.2	356.6	354.2	347.1	335.2	318.6	297.3	271.5	241.2
-65°	141.3	144.1	145.7	146.3	145.7	144.1	141.3	137.4	132.4	126.4	119.3
-67.5°	90.7	91.1	91.3	91.4	91.3	91.1	90.7	90.1	89.4	88.5	87.4
-70°	81.0	81.7	82.2	82.3	82.2	81.7	81.0	80.0	78.7	77.1	75.3
-72.5°	63.4	63.7	63.9	64.0	63.9	63.7	63.4	63.0	62.4	61.8	61.0
-75°	54.4	54.7	54.8	54.9	54.8	54.7	54.4	54.0	53.6	53.0	52.3
-77.5°	45.3	45.5	45.7	45.7	45.7	45.5	45.3	45.0	44.6	44.1	43.6
-80°	36.3	36.5	36.6	36.6	36.6	36.5	36.3	36.0	35.7	35.3	34.9
-82.5°	27.2	27.3	27.4	27.4	27.4	27.3	27.2	27.0	26.7	26.5	26.1
-85°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
-87.5°	18.1	18.2	18.3	18.3	18.3	18.2	18.1	18.0	17.9	17.7	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



REPORT NUMBER: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-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°	17.2	16.9	16.6	16.2	15.8	15.4	15.0	14.5	14.0	13.5	12.9
85°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
82.5°	25.7	25.3	24.8	24.3	23.7	23.1	22.4	21.7	21.0	20.2	19.4
80°	34.4	33.8	33.1	32.4	31.6	30.8	29.9	28.9	27.9	26.9	25.8
77.5°	42.9	42.2	41.4	40.5	39.5	38.5	37.4	36.2	34.9	33.6	32.2
75°	51.5	50.6	49.6	48.5	47.4	46.1	44.8	43.3	41.8	40.2	38.6
72.5°	60.0	59.0	57.9	56.6	55.2	53.8	52.2	50.5	48.7	46.8	44.9
70°	73.1	70.7	68.1	65.2	63.0	61.3	59.5	57.6	55.6	53.4	51.2
67.5°	86.2	84.9	83.4	81.2	77.6	73.7	69.6	65.3	62.4	60.0	57.4
65°	111.1	102.0	91.9	89.6	87.6	85.5	83.2	79.3	74.2	68.8	63.6
62.5°	206.5	167.5	140.6	128.3	114.9	100.6	90.4	87.7	84.9	81.6	75.4
60°	362.4	356.7	310.0	258.0	201.7	145.0	128.3	110.5	91.9	88.2	84.9
57.5°	385.3	381.5	374.6	367.2	359.1	310.0	239.9	165.7	131.0	109.8	90.8
55°	396.6	391.4	388.9	386.2	381.7	372.3	362.4	320.3	235.9	147.7	122.7
52.5°	463.3	443.7	422.1	398.5	390.7	387.3	383.1	371.8	359.9	286.6	188.1
50°	561.1	529.2	494.1	459.4	432.0	402.8	390.6	386.5	378.6	365.3	317.4
47.5°	652.9	621.2	586.4	546.1	501.9	458.7	425.4	392.9	388.3	382.7	368.0
45°	754.8	714.2	670.9	630.2	586.6	537.1	483.8	440.8	401.9	389.3	384.1
42.5°	1157.0	911.5	768.4	716.7	663.8	614.3	560.9	501.4	448.5	405.7	389.3
40°	2351.1	1506.5	1187.9	876.7	750.9	688.4	631.1	572.9	507.3	448.5	401.9
37.5°	5501.3	3283.1	2293.2	1389.9	1035.4	771.7	702.0	636.7	572.9	501.4	440.8
35°	12006.7	8161.0	4778.9	2828.4	1622.3	1115.7	778.7	702.0	631.1	560.9	483.8
32.5°	22270.7	16204.4	9975.3	6106.7	3099.4	1754.3	1115.7	771.7	688.4	614.3	537.1
30°	33150.5	26064.4	18773.9	11312.8	6553.3	3099.4	1622.3	1035.4	750.9	663.8	586.6
27.5°	42684.1	36139.6	28009.2	19639.2	11312.8	6106.7	2828.4	1389.9	876.7	716.7	630.2
25°	49699.7	44500.6	37013.5	28009.2	18773.9	9975.3	4778.9	2293.2	1187.9	768.4	670.9
22.5°	54110.7	50227.7	44500.6	36139.6	26064.4	16204.4	8161.0	3283.1	1506.5	911.5	714.2
20°	56548.8	54110.7	49699.7	42684.1	33150.5	22270.7	12006.7	5501.3	2351.1	1157.0	754.8
17.5°	59567.4	56228.8	53289.4	48137.8	39120.3	28241.5	17124.9	8122.1	3113.1	1377.9	791.1
15°	62853.7	58588.0	55285.4	51132.4	44115.4	33601.0	21677.3	10500.0	4208.6	1813.1	950.4
12.5°	67239.9	61089.2	56854.1	53759.1	48012.7	37939.4	25876.9	14129.8	6057.2	2347.9	1104.7
10°	71512.7	63810.7	58623.8	54976.6	50037.3	41292.7	29453.6	17152.5	7593.3	2791.5	1232.5
7.5°	76619.2	66575.6	60182.2	55945.4	51648.5	43952.4	32282.8	19538.0	8803.2	3140.3	1332.9
5°	80413.0	68613.9	61324.4	56652.4	52820.3	45881.3	34330.1	21261.1	9675.9	3391.6	1405.1
2.5°	82754.1	69864.4	62022.2	57082.9	53532.1	47050.7	35569.4	22302.8	10202.9	3543.2	1448.6
0°	83545.9	70286.1	62257.0	57227.5	53770.8	47442.6	35984.3	22651.4	10379.2	3593.9	1463.2
-2.5°	82754.1	69864.4	62022.2	57082.9	53532.1	47050.7	35569.4	22302.8	10202.9	3543.2	1448.6
-5°	80413.0	68613.9	61324.4	56652.4	52820.3	45881.3	34330.1	21261.1	9675.9	3391.6	1405.1
-7.5°	76619.2	66575.6	60182.2	55945.4	51648.5	43952.4	32282.8	19538.0	8803.2	3140.3	1332.9
-10°	71512.7	63810.7	58623.8	54976.6	50037.3	41292.7	29453.6	17152.5	7593.3	2791.5	1232.5
-12.5°	67239.9	61089.2	56854.1	53759.1	48012.7	37939.4	25876.9	14129.8	6057.2	2347.9	1104.7
-15°	62853.7	58588.0	55285.4	51132.4	44115.4	33601.0	21677.3	10500.0	4208.6	1813.1	950.4
-17.5°	59567.4	56228.8	53289.4	48137.8	39120.3	28241.5	17124.9	8122.1	3113.1	1377.9	791.1
-20°	56548.8	54110.7	49699.7	42684.1	33150.5	22270.7	12006.7	5501.3	2351.1	1157.0	754.8



REPORT NUMBER: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	54110.7	50227.7	44500.6	36139.6	26064.4	16204.4	8161.0	3283.1	1506.5	911.5	714.2
-25°	49699.7	44500.6	37013.5	28009.2	18773.9	9975.3	4778.9	2293.2	1187.9	768.4	670.9
-27.5°	42684.1	36139.6	28009.2	19639.2	11312.8	6106.7	2828.4	1389.9	876.7	716.7	630.2
-30°	33150.5	26064.4	18773.9	11312.8	6553.3	3099.4	1622.3	1035.4	750.9	663.8	586.6
-32.5°	22270.7	16204.4	9975.3	6106.7	3099.4	1754.3	1115.7	771.7	688.4	614.3	537.1
-35°	12006.7	8161.0	4778.9	2828.4	1622.3	1115.7	778.7	702.0	631.1	560.9	483.8
-37.5°	5501.3	3283.1	2293.2	1389.9	1035.4	771.7	702.0	636.7	572.9	501.4	440.8
-40°	2351.1	1506.5	1187.9	876.7	750.9	688.4	631.1	572.9	507.3	448.5	401.9
-42.5°	1157.0	911.5	768.4	716.7	663.8	614.3	560.9	501.4	448.5	405.7	389.3
-45°	754.8	714.2	670.9	630.2	586.6	537.1	483.8	440.8	401.9	389.3	384.1
-47.5°	652.9	621.2	586.4	546.1	501.9	458.7	425.4	392.9	388.3	382.7	368.0
-50°	561.1	529.2	494.1	459.4	432.0	402.8	390.6	386.5	378.6	365.3	317.4
-52.5°	463.3	443.7	422.1	398.5	390.7	387.3	383.1	371.8	359.9	286.6	188.1
-55°	396.6	391.4	388.9	386.2	381.7	372.3	362.4	320.3	235.9	147.7	122.7
-57.5°	385.3	381.5	374.6	367.2	359.1	310.0	239.9	165.7	131.0	109.8	90.8
-60°	362.4	356.7	310.0	258.0	201.7	145.0	128.3	110.5	91.9	88.2	84.9
-62.5°	206.5	167.5	140.6	128.3	114.9	100.6	90.4	87.7	84.9	81.6	75.4
-65°	111.1	102.0	91.9	89.6	87.6	85.5	83.2	79.3	74.2	68.8	63.6
-67.5°	86.2	84.9	83.4	81.2	77.6	73.7	69.6	65.3	62.4	60.0	57.4
-70°	73.1	70.7	68.1	65.2	63.0	61.3	59.5	57.6	55.6	53.4	51.2
-72.5°	60.0	59.0	57.9	56.6	55.2	53.8	52.2	50.5	48.7	46.8	44.9
-75°	51.5	50.6	49.6	48.5	47.4	46.1	44.8	43.3	41.8	40.2	38.6
-77.5°	42.9	42.2	41.4	40.5	39.5	38.5	37.4	36.2	34.9	33.6	32.2
-80°	34.4	33.8	33.1	32.4	31.6	30.8	29.9	28.9	27.9	26.9	25.8
-82.5°	25.7	25.3	24.8	24.3	23.7	23.1	22.4	21.7	21.0	20.2	19.4
-85°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
-87.5°	17.2	16.9	16.6	16.2	15.8	15.4	15.0	14.5	14.0	13.5	12.9
-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: P1306437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200L-40-80-2R-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°	12.4	11.8	11.1	10.5	9.8	9.1	8.4	7.7	7.0	6.3	5.5
85°	18.3	18.3	18.3	18.3	18.3	18.3	16.9	15.5	14.0	12.5	11.0
82.5°	18.5	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	16.5
80°	24.6	23.4	22.2	20.9	19.6	18.3	18.3	18.3	18.3	18.3	18.3
77.5°	30.7	29.2	27.7	26.1	24.4	22.7	21.0	19.2	18.3	18.3	18.3
75°	36.9	35.0	33.2	31.2	29.2	27.2	25.1	23.0	20.8	18.6	18.3
72.5°	42.9	40.8	38.6	36.3	34.0	31.6	29.2	26.7	24.2	21.6	19.0
70°	48.9	46.4	43.9	41.4	38.7	36.0	33.2	30.4	27.5	24.6	21.6
67.5°	54.8	52.1	49.3	46.4	43.4	40.4	37.2	34.1	30.8	27.5	24.2
65°	60.7	57.7	54.6	51.3	48.0	44.6	41.2	37.7	34.1	30.4	26.7
62.5°	69.0	63.1	59.7	56.2	52.6	48.8	45.0	41.2	37.2	33.2	29.2
60°	80.4	73.1	65.6	61.0	57.0	53.0	48.8	44.6	40.4	36.0	31.6
57.5°	87.0	83.0	75.7	67.3	61.4	57.0	52.6	48.0	43.4	38.7	34.0
55°	98.0	88.3	83.9	76.5	67.3	61.0	56.2	51.3	46.4	41.4	36.3
52.5°	130.6	103.2	88.7	83.9	75.7	65.6	59.7	54.6	49.3	43.9	38.6
50°	208.4	133.2	103.2	88.3	83.0	73.1	63.1	57.7	52.1	46.4	40.8
47.5°	327.7	208.4	130.6	98.0	87.0	80.4	69.0	60.7	54.8	48.9	42.9
45°	368.0	317.4	188.1	122.7	90.8	84.9	75.4	63.6	57.4	51.2	44.9
42.5°	382.7	365.3	286.6	147.7	109.8	88.2	81.6	68.8	60.0	53.4	46.8
40°	388.3	378.6	359.9	235.9	131.0	91.9	84.9	74.2	62.4	55.6	48.7
37.5°	392.9	386.5	371.8	320.3	165.7	110.5	87.7	79.3	65.3	57.6	50.5
35°	425.4	390.6	383.1	362.4	239.9	128.3	90.4	83.2	69.6	59.5	52.2
32.5°	458.7	402.8	387.3	372.3	310.0	145.0	100.6	85.5	73.7	61.3	53.8
30°	501.9	432.0	390.7	381.7	359.1	201.7	114.9	87.6	77.6	63.0	55.2
27.5°	546.1	459.4	398.5	386.2	367.2	258.0	128.3	89.6	81.2	65.2	56.6
25°	586.4	494.1	422.1	388.9	374.6	310.0	140.6	91.9	83.4	68.1	57.9
22.5°	621.2	529.2	443.7	391.4	381.5	356.7	167.5	102.0	84.9	70.7	59.0
20°	652.9	561.1	463.3	396.6	385.3	362.4	206.5	111.1	86.2	73.1	60.0
17.5°	682.2	588.6	488.0	412.6	387.1	367.4	241.2	119.3	87.4	75.3	61.0
15°	711.7	611.5	511.0	426.7	388.7	371.8	271.5	126.4	88.5	77.1	61.8
12.5°	737.0	631.2	530.7	438.7	390.1	375.5	297.3	132.4	89.4	78.7	62.4
10°	757.9	647.5	546.9	448.6	391.2	378.6	318.6	137.4	90.1	80.0	63.0
7.5°	774.3	660.2	559.6	456.4	392.1	381.0	335.2	141.3	90.7	81.0	63.4
5°	786.1	669.3	568.8	461.9	392.7	382.7	347.1	144.1	91.1	81.7	63.7
2.5°	793.2	674.9	574.3	465.3	393.1	383.8	354.2	145.7	91.3	82.2	63.9
0°	795.6	676.7	576.1	466.4	393.2	384.1	356.6	146.3	91.4	82.3	64.0
-2.5°	793.2	674.9	574.3	465.3	393.1	383.8	354.2	145.7	91.3	82.2	63.9
-5°	786.1	669.3	568.8	461.9	392.7	382.7	347.1	144.1	91.1	81.7	63.7
-7.5°	774.3	660.2	559.6	456.4	392.1	381.0	335.2	141.3	90.7	81.0	63.4
-10°	757.9	647.5	546.9	448.6	391.2	378.6	318.6	137.4	90.1	80.0	63.0
-12.5°	737.0	631.2	530.7	438.7	390.1	375.5	297.3	132.4	89.4	78.7	62.4
-15°	711.7	611.5	511.0	426.7	388.7	371.8	271.5	126.4	88.5	77.1	61.8
-17.5°	682.2	588.6	488.0	412.6	387.1	367.4	241.2	119.3	87.4	75.3	61.0
-20°	652.9	561.1	463.3	396.6	385.3	362.4	206.5	111.1	86.2	73.1	60.0



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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°	621.2	529.2	443.7	391.4	381.5	356.7	167.5	102.0	84.9	70.7	59.0
-25°	586.4	494.1	422.1	388.9	374.6	310.0	140.6	91.9	83.4	68.1	57.9
-27.5°	546.1	459.4	398.5	386.2	367.2	258.0	128.3	89.6	81.2	65.2	56.6
-30°	501.9	432.0	390.7	381.7	359.1	201.7	114.9	87.6	77.6	63.0	55.2
-32.5°	458.7	402.8	387.3	372.3	310.0	145.0	100.6	85.5	73.7	61.3	53.8
-35°	425.4	390.6	383.1	362.4	239.9	128.3	90.4	83.2	69.6	59.5	52.2
-37.5°	392.9	386.5	371.8	320.3	165.7	110.5	87.7	79.3	65.3	57.6	50.5
-40°	388.3	378.6	359.9	235.9	131.0	91.9	84.9	74.2	62.4	55.6	48.7
-42.5°	382.7	365.3	286.6	147.7	109.8	88.2	81.6	68.8	60.0	53.4	46.8
-45°	368.0	317.4	188.1	122.7	90.8	84.9	75.4	63.6	57.4	51.2	44.9
-47.5°	327.7	208.4	130.6	98.0	87.0	80.4	69.0	60.7	54.8	48.9	42.9
-50°	208.4	133.2	103.2	88.3	83.0	73.1	63.1	57.7	52.1	46.4	40.8
-52.5°	130.6	103.2	88.7	83.9	75.7	65.6	59.7	54.6	49.3	43.9	38.6
-55°	98.0	88.3	83.9	76.5	67.3	61.0	56.2	51.3	46.4	41.4	36.3
-57.5°	87.0	83.0	75.7	67.3	61.4	57.0	52.6	48.0	43.4	38.7	34.0
-60°	80.4	73.1	65.6	61.0	57.0	53.0	48.8	44.6	40.4	36.0	31.6
-62.5°	69.0	63.1	59.7	56.2	52.6	48.8	45.0	41.2	37.2	33.2	29.2
-65°	60.7	57.7	54.6	51.3	48.0	44.6	41.2	37.7	34.1	30.4	26.7
-67.5°	54.8	52.1	49.3	46.4	43.4	40.4	37.2	34.1	30.8	27.5	24.2
-70°	48.9	46.4	43.9	41.4	38.7	36.0	33.2	30.4	27.5	24.6	21.6
-72.5°	42.9	40.8	38.6	36.3	34.0	31.6	29.2	26.7	24.2	21.6	19.0
-75°	36.9	35.0	33.2	31.2	29.2	27.2	25.1	23.0	20.8	18.6	18.3
-77.5°	30.7	29.2	27.7	26.1	24.4	22.7	21.0	19.2	18.3	18.3	18.3
-80°	24.6	23.4	22.2	20.9	19.6	18.3	18.3	18.3	18.3	18.3	18.3
-82.5°	18.5	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	16.5
-85°	18.3	18.3	18.3	18.3	18.3	18.3	16.9	15.5	14.0	12.5	11.0
-87.5°	12.4	11.8	11.1	10.5	9.8	9.1	8.4	7.7	7.0	6.3	5.5
-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°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
85°	9.5	7.9	6.3	4.8	3.2	1.6	0.0
82.5°	14.2	11.9	9.5	7.1	4.8	2.4	0.0
80°	18.3	15.8	12.6	9.5	6.3	3.2	0.0
77.5°	18.3	18.3	15.8	11.9	7.9	4.0	0.0
75°	18.3	18.3	18.3	14.2	9.5	4.7	0.0
72.5°	18.3	18.3	18.3	16.5	11.0	5.5	0.0
70°	18.6	18.3	18.3	18.3	12.5	6.3	0.0
67.5°	20.8	18.3	18.3	18.3	14.0	7.0	0.0
65°	23.0	19.2	18.3	18.3	15.5	7.7	0.0
62.5°	25.1	21.0	18.3	18.3	16.9	8.4	0.0
60°	27.2	22.7	18.3	18.3	18.3	9.1	0.0
57.5°	29.2	24.4	19.6	18.3	18.3	9.8	0.0
55°	31.2	26.1	20.9	18.3	18.3	10.5	0.0
52.5°	33.2	27.7	22.2	18.3	18.3	11.1	0.0
50°	35.0	29.2	23.4	18.3	18.3	11.8	0.0
47.5°	36.9	30.7	24.6	18.5	18.3	12.4	0.0
45°	38.6	32.2	25.8	19.4	18.3	12.9	0.0
42.5°	40.2	33.6	26.9	20.2	18.3	13.5	0.0
40°	41.8	34.9	27.9	21.0	18.3	14.0	0.0
37.5°	43.3	36.2	28.9	21.7	18.3	14.5	0.0
35°	44.8	37.4	29.9	22.4	18.3	15.0	0.0
32.5°	46.1	38.5	30.8	23.1	18.3	15.4	0.0
30°	47.4	39.5	31.6	23.7	18.3	15.8	0.0
27.5°	48.5	40.5	32.4	24.3	18.3	16.2	0.0
25°	49.6	41.4	33.1	24.8	18.3	16.6	0.0
22.5°	50.6	42.2	33.8	25.3	18.3	16.9	0.0
20°	51.5	42.9	34.4	25.7	18.3	17.2	0.0
17.5°	52.3	43.6	34.9	26.1	18.3	17.5	0.0
15°	53.0	44.1	35.3	26.5	18.3	17.7	0.0
12.5°	53.6	44.6	35.7	26.7	18.3	17.9	0.0
10°	54.0	45.0	36.0	27.0	18.3	18.0	0.0
7.5°	54.4	45.3	36.3	27.2	18.3	18.1	0.0
5°	54.7	45.5	36.5	27.3	18.3	18.2	0.0
2.5°	54.8	45.7	36.6	27.4	18.3	18.3	0.0
0°	54.9	45.7	36.6	27.4	18.3	18.3	0.0
-2.5°	54.8	45.7	36.6	27.4	18.3	18.3	0.0
-5°	54.7	45.5	36.5	27.3	18.3	18.2	0.0
-7.5°	54.4	45.3	36.3	27.2	18.3	18.1	0.0
-10°	54.0	45.0	36.0	27.0	18.3	18.0	0.0
-12.5°	53.6	44.6	35.7	26.7	18.3	17.9	0.0
-15°	53.0	44.1	35.3	26.5	18.3	17.7	0.0
-17.5°	52.3	43.6	34.9	26.1	18.3	17.5	0.0
-20°	51.5	42.9	34.4	25.7	18.3	17.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.6	42.2	33.8	25.3	18.3	16.9	0.0
-25°	49.6	41.4	33.1	24.8	18.3	16.6	0.0
-27.5°	48.5	40.5	32.4	24.3	18.3	16.2	0.0
-30°	47.4	39.5	31.6	23.7	18.3	15.8	0.0
-32.5°	46.1	38.5	30.8	23.1	18.3	15.4	0.0
-35°	44.8	37.4	29.9	22.4	18.3	15.0	0.0
-37.5°	43.3	36.2	28.9	21.7	18.3	14.5	0.0
-40°	41.8	34.9	27.9	21.0	18.3	14.0	0.0
-42.5°	40.2	33.6	26.9	20.2	18.3	13.5	0.0
-45°	38.6	32.2	25.8	19.4	18.3	12.9	0.0
-47.5°	36.9	30.7	24.6	18.5	18.3	12.4	0.0
-50°	35.0	29.2	23.4	18.3	18.3	11.8	0.0
-52.5°	33.2	27.7	22.2	18.3	18.3	11.1	0.0
-55°	31.2	26.1	20.9	18.3	18.3	10.5	0.0
-57.5°	29.2	24.4	19.6	18.3	18.3	9.8	0.0
-60°	27.2	22.7	18.3	18.3	18.3	9.1	0.0
-62.5°	25.1	21.0	18.3	18.3	16.9	8.4	0.0
-65°	23.0	19.2	18.3	18.3	15.5	7.7	0.0
-67.5°	20.8	18.3	18.3	18.3	14.0	7.0	0.0
-70°	18.6	18.3	18.3	18.3	12.5	6.3	0.0
-72.5°	18.3	18.3	18.3	16.5	11.0	5.5	0.0
-75°	18.3	18.3	18.3	14.2	9.5	4.7	0.0
-77.5°	18.3	18.3	15.8	11.9	7.9	4.0	0.0
-80°	18.3	15.8	12.6	9.5	6.3	3.2	0.0
-82.5°	14.2	11.9	9.5	7.1	4.8	2.4	0.0
-85°	9.5	7.9	6.3	4.8	3.2	1.6	0.0
-87.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)