

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: P1306442 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-40-80-4R-A**

Issue Date: 2/3/2026

**Test Information**

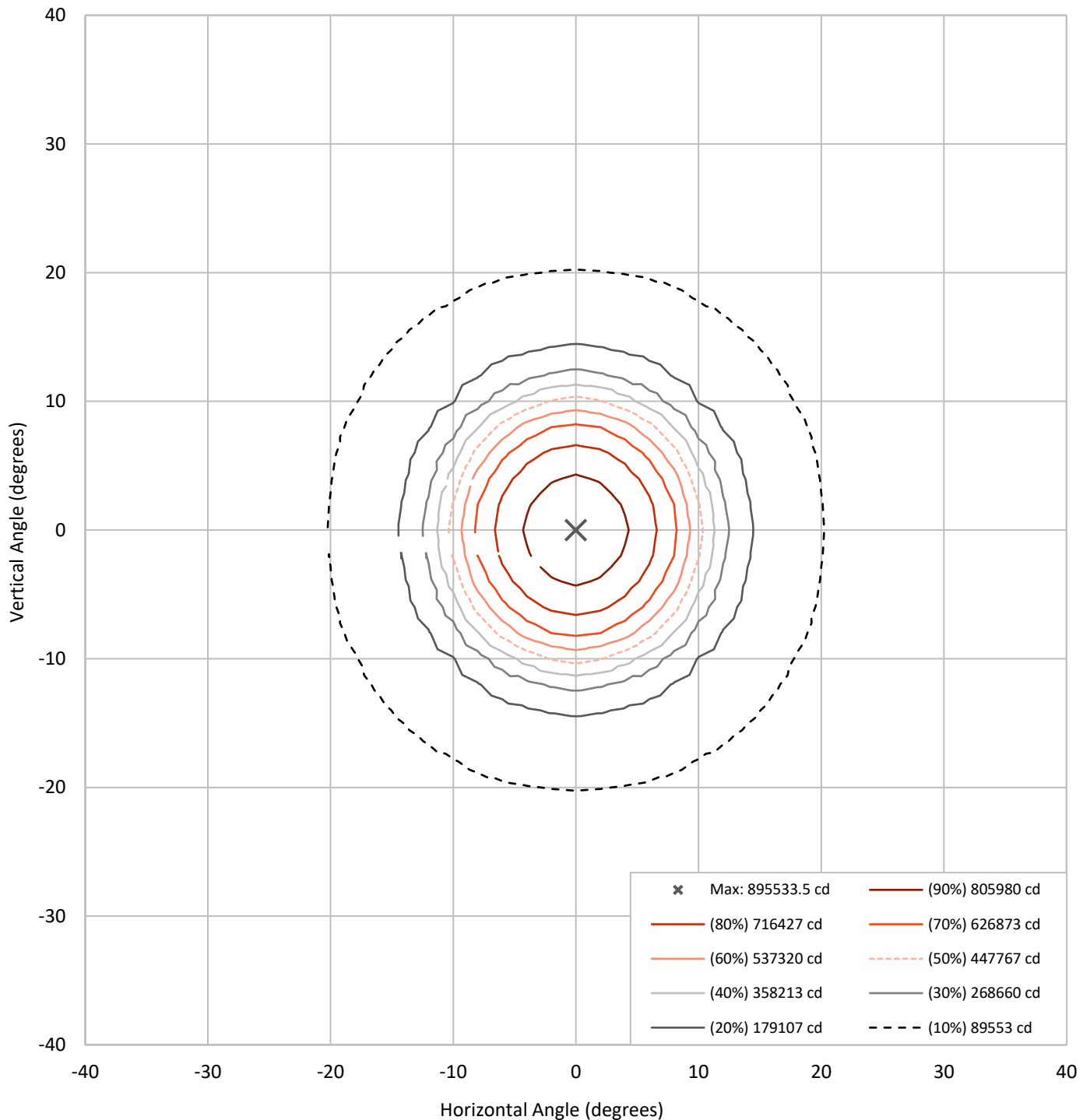
Test Method: LM-79-08  
Report Number: P1306442 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200L-40-80-4R-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 4000K, 80 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:	174262.1 lumens	Max Intensity:	895533.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	142.5 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:	66899.1 lumens	Field Lumens:	118079.7 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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### Iso-Candela Plot





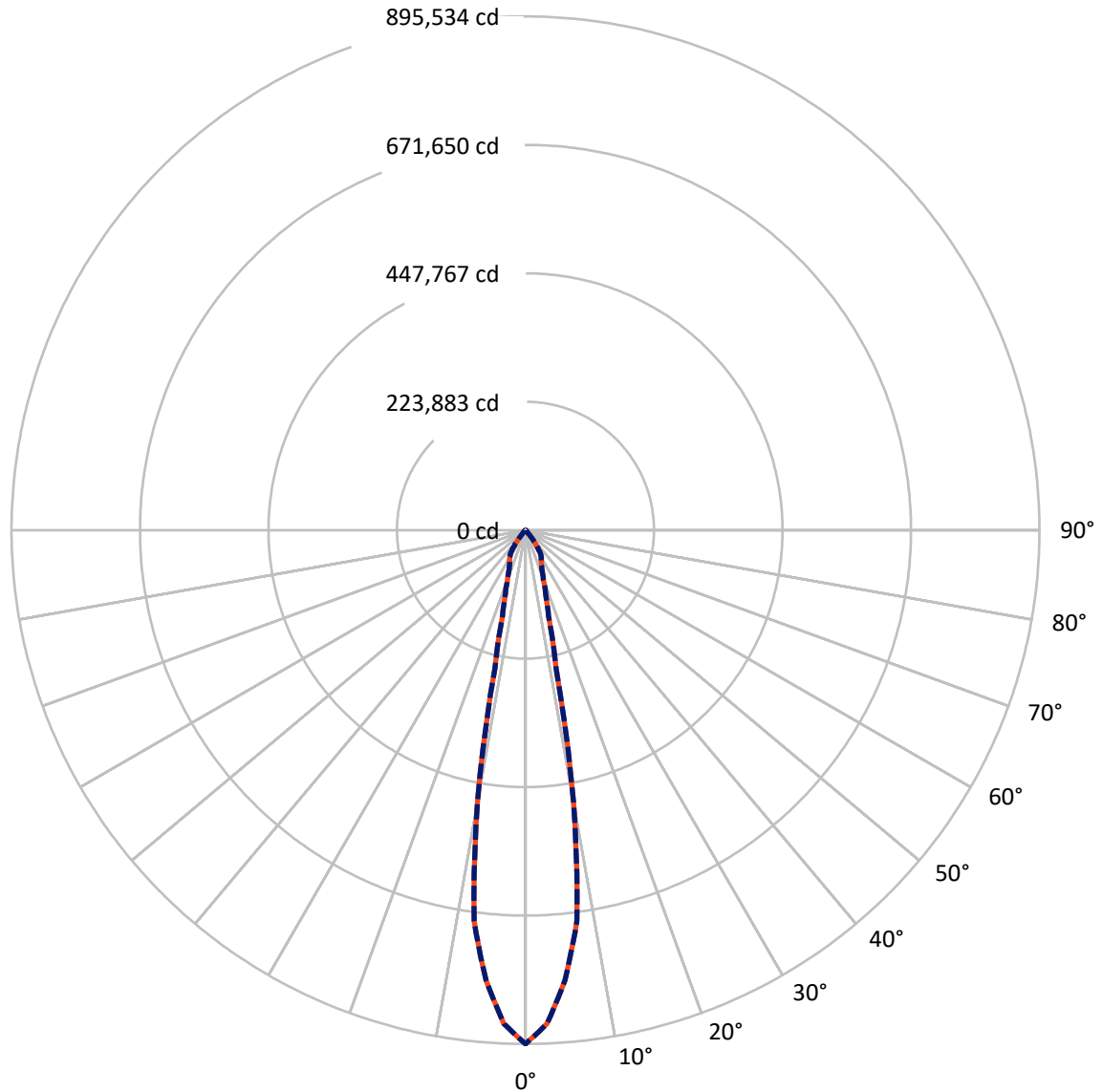
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### Lumen Table

90	0.2	1.3		3.0		4.6		5.3		4.6		3.0		1.3		0.2
80	0.2	1.3		3.0		4.6		5.3		4.6		3.0		1.3		0.2
70	0.6	0.5	1.0	1.8	2.7	3.9	5.0	5.7	5.7	5.0	3.9	2.7	1.8	1.0	0.5	0.6
60		0.8	1.7	3.5	6.8	11.5	15.8	18.2	18.2	15.8	11.5	6.8	3.5	1.7	0.8	
50	0.9	1.1	2.9	7.6	15.8	29.1	66.7	111.7	111.7	66.7	29.1	15.8	7.6	2.9	1.1	0.9
40		1.4	4.8	13.7	42.5	252.5	715.1	1045.9	1045.9	715.1	252.5	42.5	13.7	4.8	1.4	
30	1.1	1.9	7.4	23.0	230.6	1018.2	1654.2	1999.8	1999.8	1654.2	1018.2	230.6	23.0	7.4	1.9	1.1
20		2.3	9.6	50.2	614.7	1554.4	2596.0	4994.3	4994.3	2596.0	1554.4	614.7	50.2	9.6	2.3	
10	1.2	2.5	10.6	82.1	870.4	1824.4	4863.0	18751.2	18751.2	4863.0	1824.4	870.4	82.1	10.6	2.5	1.2
0		2.5	10.6	82.1	870.4	1824.4	4863.0	18751.2	18751.2	4863.0	1824.4	870.4	82.1	10.6	2.5	
-10	1.1	2.3	9.6	50.2	614.7	1554.4	2596.0	4994.3	4994.3	2596.0	1554.4	614.7	50.2	9.6	2.3	1.1
-20		1.9	7.4	23.0	230.6	1018.2	1654.2	1999.8	1999.8	1654.2	1018.2	230.6	23.0	7.4	1.9	
-30	0.9	1.4	4.8	13.7	42.5	252.5	715.1	1045.9	1045.9	715.1	252.5	42.5	13.7	4.8	1.4	0.9
-40		1.1	2.9	7.6	15.8	29.1	66.7	111.7	111.7	66.7	29.1	15.8	7.6	2.9	1.1	
-50	0.6	0.8	1.7	3.5	6.8	11.5	15.8	18.2	18.2	15.8	11.5	6.8	3.5	1.7	0.8	0.6
-60		0.5	1.0	1.8	2.7	3.9	5.0	5.7	5.7	5.0	3.9	2.7	1.8	1.0	0.5	
-70	0.2	1.3		3.0		4.6		5.3		4.6		3.0		1.3		0.2
-80		1.3		3.0		4.6		5.3		4.6		3.0		1.3		
-90	0.2	1.3		3.0		4.6		5.3		4.6		3.0		1.3		0.2

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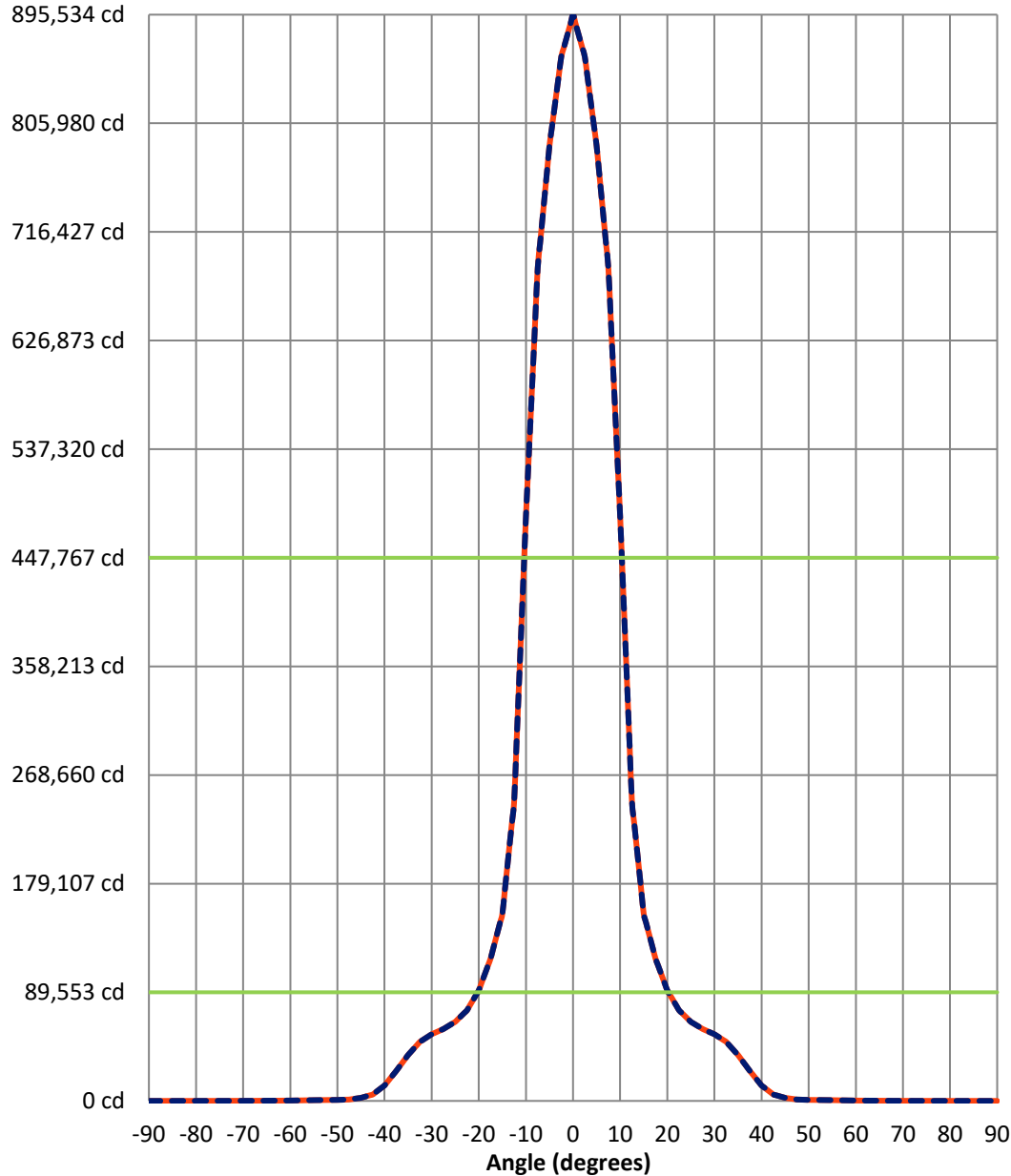
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 20.7°  
 V Angle: 20.7°  
 Lumens: 66899.1  
 Efficiency: 38.4%

**Field:**  
 H Angle: 40.5°  
 V Angle: 40.5°  
 Lumens: 118079.7  
 Efficiency: 67.8%

**Spill:**  
 Lumens: 56182.4  
 Efficiency: 32.2%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.4	5.0	5.6	6.2
85°	0.0	1.3	2.6	3.8	5.1	6.4	7.6	8.8	10.0	11.2	12.4
82.5°	0.0	1.9	3.8	5.7	7.6	9.5	11.4	13.2	14.9	15.6	16.4
80°	0.0	2.6	5.1	7.6	10.2	12.7	14.9	16.0	17.1	18.1	19.1
77.5°	0.0	3.2	6.4	9.5	12.7	15.2	16.5	17.9	19.2	20.6	22.0
75°	0.0	3.8	7.6	11.4	14.9	16.5	18.2	19.8	21.5	23.4	25.4
72.5°	0.0	4.4	8.8	13.2	16.0	17.9	19.8	21.8	24.2	26.5	28.7
70°	0.0	5.0	10.0	14.9	17.1	19.2	21.5	24.2	26.8	29.5	32.7
67.5°	0.0	5.6	11.2	15.6	18.1	20.6	23.4	26.5	29.5	33.2	36.8
65°	0.0	6.2	12.4	16.4	19.1	22.0	25.4	28.7	32.7	36.8	40.9
62.5°	0.0	6.8	13.6	17.2	20.2	23.6	27.3	31.4	35.9	40.4	45.1
60°	0.0	7.3	14.7	17.9	21.2	25.2	29.2	34.1	39.0	44.1	49.3
57.5°	0.0	7.9	15.2	18.7	22.4	26.7	31.4	36.7	42.2	47.8	54.0
55°	0.0	8.4	15.7	19.4	23.5	28.2	33.6	39.3	45.4	51.6	59.0
52.5°	0.0	8.9	16.1	20.0	24.7	29.7	35.8	42.0	48.5	56.0	63.9
50°	0.0	9.4	16.6	20.7	25.8	31.4	37.9	44.6	51.7	60.2	69.5
47.5°	0.0	9.9	17.0	21.4	26.9	33.1	39.9	47.2	55.3	64.3	75.0
45°	0.0	10.4	17.4	22.2	27.9	34.7	42.0	49.6	58.9	69.0	80.3
42.5°	0.0	10.8	17.8	22.9	28.9	36.3	44.0	52.3	62.2	73.6	86.3
40°	0.0	11.3	18.2	23.6	30.0	37.7	45.9	55.1	65.7	78.0	92.2
37.5°	0.0	11.7	18.5	24.3	31.1	39.1	47.7	57.8	69.3	82.4	97.9
35°	0.0	12.0	18.8	24.9	32.2	40.5	49.5	60.3	72.8	87.2	103.6
32.5°	0.0	12.4	19.2	25.5	33.2	41.9	51.2	62.7	76.1	91.7	109.6
30°	0.0	12.7	19.5	26.1	34.1	43.1	53.1	65.0	79.2	96.0	115.2
27.5°	0.0	13.0	19.7	26.6	35.0	44.3	54.9	67.5	82.3	99.9	120.5
25°	0.0	13.3	20.0	27.1	35.7	45.4	56.5	69.8	85.5	104.0	125.6
22.5°	0.0	13.6	20.2	27.5	36.5	46.4	58.0	71.9	88.4	107.9	136.8
20°	0.0	13.8	20.4	27.9	37.1	47.2	59.3	73.8	91.1	111.5	147.0
17.5°	0.0	14.0	20.6	28.3	37.7	48.0	60.5	75.5	93.4	114.6	156.0
15°	0.0	14.2	20.8	28.6	38.2	48.7	61.5	76.9	95.5	117.4	163.8
12.5°	0.0	14.4	20.9	28.8	38.6	49.3	62.4	78.2	97.2	119.7	170.5
10°	0.0	14.5	21.0	29.0	39.0	49.8	63.1	79.2	98.6	121.7	176.0
7.5°	0.0	14.6	21.1	29.2	39.2	50.1	63.7	80.0	99.8	123.2	180.3
5°	0.0	14.6	21.2	29.3	39.4	50.4	64.1	80.5	100.6	124.2	183.4
2.5°	0.0	14.7	21.2	29.4	39.6	50.5	64.3	80.9	101.0	124.9	185.3
0°	0.0	14.7	21.2	29.4	39.6	50.5	64.3	80.9	101.0	124.9	185.3
-2.5°	0.0	14.7	21.2	29.4	39.6	50.5	64.3	80.9	101.0	124.9	185.3
-5°	0.0	14.6	21.2	29.3	39.4	50.4	64.1	80.5	100.6	124.2	183.4
-7.5°	0.0	14.6	21.1	29.2	39.2	50.1	63.7	80.0	99.8	123.2	180.3
-10°	0.0	14.5	21.0	29.0	39.0	49.8	63.1	79.2	98.6	121.7	176.0
-12.5°	0.0	14.4	20.9	28.8	38.6	49.3	62.4	78.2	97.2	119.7	170.5
-15°	0.0	14.2	20.8	28.6	38.2	48.7	61.5	76.9	95.5	117.4	163.8
-17.5°	0.0	14.0	20.6	28.3	37.7	48.0	60.5	75.5	93.4	114.6	156.0
-20°	0.0	13.8	20.4	27.9	37.1	47.2	59.3	73.8	91.1	111.5	147.0



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 CATALOG NUMBER: EPH-LS16-1200L-40-80-4R-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.6	20.2	27.5	36.5	46.4	58.0	71.9	88.4	107.9	136.8
-25°	0.0	13.3	20.0	27.1	35.7	45.4	56.5	69.8	85.5	104.0	125.6
-27.5°	0.0	13.0	19.7	26.6	35.0	44.3	54.9	67.5	82.3	99.9	120.5
-30°	0.0	12.7	19.5	26.1	34.1	43.1	53.1	65.0	79.2	96.0	115.2
-32.5°	0.0	12.4	19.2	25.5	33.2	41.9	51.2	62.7	76.1	91.7	109.6
-35°	0.0	12.0	18.8	24.9	32.2	40.5	49.5	60.3	72.8	87.2	103.6
-37.5°	0.0	11.7	18.5	24.3	31.1	39.1	47.7	57.8	69.3	82.4	97.9
-40°	0.0	11.3	18.2	23.6	30.0	37.7	45.9	55.1	65.7	78.0	92.2
-42.5°	0.0	10.8	17.8	22.9	28.9	36.3	44.0	52.3	62.2	73.6	86.3
-45°	0.0	10.4	17.4	22.2	27.9	34.7	42.0	49.6	58.9	69.0	80.3
-47.5°	0.0	9.9	17.0	21.4	26.9	33.1	39.9	47.2	55.3	64.3	75.0
-50°	0.0	9.4	16.6	20.7	25.8	31.4	37.9	44.6	51.7	60.2	69.5
-52.5°	0.0	8.9	16.1	20.0	24.7	29.7	35.8	42.0	48.5	56.0	63.9
-55°	0.0	8.4	15.7	19.4	23.5	28.2	33.6	39.3	45.4	51.6	59.0
-57.5°	0.0	7.9	15.2	18.7	22.4	26.7	31.4	36.7	42.2	47.8	54.0
-60°	0.0	7.3	14.7	17.9	21.2	25.2	29.2	34.1	39.0	44.1	49.3
-62.5°	0.0	6.8	13.6	17.2	20.2	23.6	27.3	31.4	35.9	40.4	45.1
-65°	0.0	6.2	12.4	16.4	19.1	22.0	25.4	28.7	32.7	36.8	40.9
-67.5°	0.0	5.6	11.2	15.6	18.1	20.6	23.4	26.5	29.5	33.2	36.8
-70°	0.0	5.0	10.0	14.9	17.1	19.2	21.5	24.2	26.8	29.5	32.7
-72.5°	0.0	4.4	8.8	13.2	16.0	17.9	19.8	21.8	24.2	26.5	28.7
-75°	0.0	3.8	7.6	11.4	14.9	16.5	18.2	19.8	21.5	23.4	25.4
-77.5°	0.0	3.2	6.4	9.5	12.7	15.2	16.5	17.9	19.2	20.6	22.0
-80°	0.0	2.6	5.1	7.6	10.2	12.7	14.9	16.0	17.1	18.1	19.1
-82.5°	0.0	1.9	3.8	5.7	7.6	9.5	11.4	13.2	14.9	15.6	16.4
-85°	0.0	1.3	2.6	3.8	5.1	6.4	7.6	8.8	10.0	11.2	12.4
-87.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.4	5.0	5.6	6.2
-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°	6.8	7.3	7.9	8.4	8.9	9.4	9.9	10.4	10.8	11.3	11.7
85°	13.6	14.7	15.2	15.7	16.1	16.6	17.0	17.4	17.8	18.2	18.5
82.5°	17.2	17.9	18.7	19.4	20.0	20.7	21.4	22.2	22.9	23.6	24.3
80°	20.2	21.2	22.4	23.5	24.7	25.8	26.9	27.9	28.9	30.0	31.1
77.5°	23.6	25.2	26.7	28.2	29.7	31.4	33.1	34.7	36.3	37.7	39.1
75°	27.3	29.2	31.4	33.6	35.8	37.9	39.9	42.0	44.0	45.9	47.7
72.5°	31.4	34.1	36.7	39.3	42.0	44.6	47.2	49.6	52.3	55.1	57.8
70°	35.9	39.0	42.2	45.4	48.5	51.7	55.3	58.9	62.2	65.7	69.3
67.5°	40.4	44.1	47.8	51.6	56.0	60.2	64.3	69.0	73.6	78.0	82.4
65°	45.1	49.3	54.0	59.0	63.9	69.5	75.0	80.3	86.3	92.2	97.9
62.5°	49.8	55.3	60.9	66.8	73.2	79.4	86.5	93.6	100.4	108.0	115.4
60°	55.3	61.5	68.3	75.5	82.8	91.1	99.1	107.9	116.8	125.6	146.3
57.5°	60.9	68.3	76.2	84.6	93.9	103.2	113.5	123.5	145.5	169.0	190.6
55°	66.8	75.5	84.6	94.8	105.4	116.8	132.4	159.8	186.2	207.4	227.8
52.5°	73.2	82.8	93.9	105.4	117.9	138.1	168.5	196.0	219.7	246.7	283.7
50°	79.4	91.1	103.2	116.8	138.1	171.4	200.8	227.1	263.5	304.9	362.2
47.5°	86.5	99.1	113.5	132.4	168.5	200.8	229.5	271.9	317.7	392.9	468.5
45°	93.6	107.9	123.5	159.8	196.0	227.1	271.9	322.0	408.4	493.0	577.9
42.5°	100.4	116.8	145.5	186.2	219.7	263.5	317.7	408.4	501.3	594.8	671.5
40°	108.0	125.6	169.0	207.4	246.7	304.9	392.9	493.0	594.8	677.9	748.2
37.5°	115.4	146.3	190.6	227.8	283.7	362.2	468.5	577.9	671.5	748.2	805.5
35°	122.5	165.9	208.4	254.4	319.0	429.7	544.4	652.7	735.4	800.5	910.2
32.5°	135.3	184.5	225.3	285.4	376.2	494.9	617.1	709.8	785.6	873.0	1100.6
30°	151.1	199.2	244.4	314.6	432.4	558.8	672.1	761.0	829.6	1043.8	1668.9
27.5°	165.9	212.8	269.4	357.4	485.6	618.7	719.5	799.7	950.4	1336.0	2412.5
25°	179.6	225.3	292.6	402.3	537.0	663.7	760.8	835.8	1091.5	1988.8	3633.9
22.5°	191.0	236.9	313.9	443.5	584.3	701.4	791.7	943.6	1408.9	2621.8	4907.5
20°	200.4	254.4	341.7	481.2	627.2	735.6	819.9	1054.2	1923.9	3708.5	7397.0
17.5°	208.7	270.0	372.2	516.4	657.2	762.8	855.9	1153.6	2387.3	4688.7	10268.2
15°	216.0	283.7	398.8	547.2	681.9	783.2	936.6	1490.4	3016.3	5980.7	12859.9
12.5°	222.2	295.3	421.6	573.4	703.0	800.6	1005.7	1814.2	3704.4	8006.0	16436.2
10°	227.3	304.9	440.3	595.1	720.4	815.0	1062.8	2082.2	4275.0	9688.8	19414.4
7.5°	231.3	312.3	455.0	612.1	734.0	826.4	1107.7	2292.8	4723.7	11014.3	21764.7
5°	234.2	317.7	465.5	624.2	743.8	834.5	1139.9	2444.3	5047.0	11970.4	23462.5
2.5°	235.9	320.9	471.8	631.6	749.7	839.4	1159.3	2535.7	5242.1	12547.8	24488.8
0°	236.5	322.0	473.9	634.0	751.7	841.0	1165.8	2566.2	5307.3	12740.9	24832.3
-2.5°	235.9	320.9	471.8	631.6	749.7	839.4	1159.3	2535.7	5242.1	12547.8	24488.8
-5°	234.2	317.7	465.5	624.2	743.8	834.5	1139.9	2444.3	5047.0	11970.4	23462.5
-7.5°	231.3	312.3	455.0	612.1	734.0	826.4	1107.7	2292.8	4723.7	11014.3	21764.7
-10°	227.3	304.9	440.3	595.1	720.4	815.0	1062.8	2082.2	4275.0	9688.8	19414.4
-12.5°	222.2	295.3	421.6	573.4	703.0	800.6	1005.7	1814.2	3704.4	8006.0	16436.2
-15°	216.0	283.7	398.8	547.2	681.9	783.2	936.6	1490.4	3016.3	5980.7	12859.9
-17.5°	208.7	270.0	372.2	516.4	657.2	762.8	855.9	1153.6	2387.3	4688.7	10268.2
-20°	200.4	254.4	341.7	481.2	627.2	735.6	819.9	1054.2	1923.9	3708.5	7397.0



REPORT NUMBER: P1306442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-4R-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	191.0	236.9	313.9	443.5	584.3	701.4	791.7	943.6	1408.9	2621.8	4907.5
-25°	179.6	225.3	292.6	402.3	537.0	663.7	760.8	835.8	1091.5	1988.8	3633.9
-27.5°	165.9	212.8	269.4	357.4	485.6	618.7	719.5	799.7	950.4	1336.0	2412.5
-30°	151.1	199.2	244.4	314.6	432.4	558.8	672.1	761.0	829.6	1043.8	1668.9
-32.5°	135.3	184.5	225.3	285.4	376.2	494.9	617.1	709.8	785.6	873.0	1100.6
-35°	122.5	165.9	208.4	254.4	319.0	429.7	544.4	652.7	735.4	800.5	910.2
-37.5°	115.4	146.3	190.6	227.8	283.7	362.2	468.5	577.9	671.5	748.2	805.5
-40°	108.0	125.6	169.0	207.4	246.7	304.9	392.9	493.0	594.8	677.9	748.2
-42.5°	100.4	116.8	145.5	186.2	219.7	263.5	317.7	408.4	501.3	594.8	671.5
-45°	93.6	107.9	123.5	159.8	196.0	227.1	271.9	322.0	408.4	493.0	577.9
-47.5°	86.5	99.1	113.5	132.4	168.5	200.8	229.5	271.9	317.7	392.9	468.5
-50°	79.4	91.1	103.2	116.8	138.1	171.4	200.8	227.1	263.5	304.9	362.2
-52.5°	73.2	82.8	93.9	105.4	117.9	138.1	168.5	196.0	219.7	246.7	283.7
-55°	66.8	75.5	84.6	94.8	105.4	116.8	132.4	159.8	186.2	207.4	227.8
-57.5°	60.9	68.3	76.2	84.6	93.9	103.2	113.5	123.5	145.5	169.0	190.6
-60°	55.3	61.5	68.3	75.5	82.8	91.1	99.1	107.9	116.8	125.6	146.3
-62.5°	49.8	55.3	60.9	66.8	73.2	79.4	86.5	93.6	100.4	108.0	115.4
-65°	45.1	49.3	54.0	59.0	63.9	69.5	75.0	80.3	86.3	92.2	97.9
-67.5°	40.4	44.1	47.8	51.6	56.0	60.2	64.3	69.0	73.6	78.0	82.4
-70°	35.9	39.0	42.2	45.4	48.5	51.7	55.3	58.9	62.2	65.7	69.3
-72.5°	31.4	34.1	36.7	39.3	42.0	44.6	47.2	49.6	52.3	55.1	57.8
-75°	27.3	29.2	31.4	33.6	35.8	37.9	39.9	42.0	44.0	45.9	47.7
-77.5°	23.6	25.2	26.7	28.2	29.7	31.4	33.1	34.7	36.3	37.7	39.1
-80°	20.2	21.2	22.4	23.5	24.7	25.8	26.9	27.9	28.9	30.0	31.1
-82.5°	17.2	17.9	18.7	19.4	20.0	20.7	21.4	22.2	22.9	23.6	24.3
-85°	13.6	14.7	15.2	15.7	16.1	16.6	17.0	17.4	17.8	18.2	18.5
-87.5°	6.8	7.3	7.9	8.4	8.9	9.4	9.9	10.4	10.8	11.3	11.7
-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: P1306442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-4R-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°	12.0	12.4	12.7	13.0	13.3	13.6	13.8	14.0	14.2	14.4	14.5
85°	18.8	19.2	19.5	19.7	20.0	20.2	20.4	20.6	20.8	20.9	21.0
82.5°	24.9	25.5	26.1	26.6	27.1	27.5	27.9	28.3	28.6	28.8	29.0
80°	32.2	33.2	34.1	35.0	35.7	36.5	37.1	37.7	38.2	38.6	39.0
77.5°	40.5	41.9	43.1	44.3	45.4	46.4	47.2	48.0	48.7	49.3	49.8
75°	49.5	51.2	53.1	54.9	56.5	58.0	59.3	60.5	61.5	62.4	63.1
72.5°	60.3	62.7	65.0	67.5	69.8	71.9	73.8	75.5	76.9	78.2	79.2
70°	72.8	76.1	79.2	82.3	85.5	88.4	91.1	93.4	95.5	97.2	98.6
67.5°	87.2	91.7	96.0	99.9	104.0	107.9	111.5	114.6	117.4	119.7	121.7
65°	103.6	109.6	115.2	120.5	125.6	136.8	147.0	156.0	163.8	170.5	176.0
62.5°	122.5	135.3	151.1	165.9	179.6	191.0	200.4	208.7	216.0	222.2	227.3
60°	165.9	184.5	199.2	212.8	225.3	236.9	254.4	270.0	283.7	295.3	304.9
57.5°	208.4	225.3	244.4	269.4	292.6	313.9	341.7	372.2	398.8	421.6	440.3
55°	254.4	285.4	314.6	357.4	402.3	443.5	481.2	516.4	547.2	573.4	595.1
52.5°	319.0	376.2	432.4	485.6	537.0	584.3	627.2	657.2	681.9	703.0	720.4
50°	429.7	494.9	558.8	618.7	663.7	701.4	735.6	762.8	783.2	800.6	815.0
47.5°	544.4	617.1	672.1	719.5	760.8	791.7	819.9	855.9	936.6	1005.7	1062.8
45°	652.7	709.8	761.0	799.7	835.8	943.6	1054.2	1153.6	1490.4	1814.2	2082.2
42.5°	735.4	785.6	829.6	950.4	1091.5	1408.9	1923.9	2387.3	3016.3	3704.4	4275.0
40°	800.5	873.0	1043.8	1336.0	1988.8	2621.8	3708.5	4688.7	5980.7	8006.0	9688.8
37.5°	910.2	1100.6	1668.9	2412.5	3633.9	4907.5	7397.0	10268.2	12859.9	16436.2	19414.4
35°	1119.7	1837.3	2770.8	4322.5	6605.5	10310.7	14344.4	19387.2	23872.5	27988.0	31487.4
32.5°	1837.3	2940.7	4671.2	8060.2	12298.4	18480.3	24457.3	30301.5	35545.1	39724.7	42894.1
30°	2770.8	4671.2	8549.5	13660.8	21011.9	28171.4	35104.3	40840.8	45561.9	49270.9	51274.4
27.5°	4322.5	8060.2	13660.8	21864.4	30074.2	38023.6	44209.2	49394.7	52358.1	54957.4	56488.1
25°	6605.5	12298.4	21011.9	30074.2	38849.6	45926.1	50940.3	54492.6	56877.2	58853.5	60955.4
22.5°	10310.7	18480.3	28171.4	38023.6	45926.1	51462.8	55397.2	58065.7	60913.7	63836.3	67043.4
20°	14344.4	24457.3	35104.3	44209.2	50940.3	55397.2	58468.8	62058.0	65908.4	71110.4	76241.8
17.5°	19387.2	30301.5	40840.8	49394.7	54492.6	58065.7	62058.0	66902.7	73218.8	82002.8	90630.4
15°	23872.5	35545.1	45561.9	52358.1	56877.2	60913.7	65908.4	73218.8	83978.9	97079.0	112476.2
12.5°	27988.0	39724.7	49270.9	54957.4	58853.5	63836.3	71110.4	82002.8	97079.0	116215.9	140063.6
10°	31487.4	42894.1	51274.4	56488.1	60955.4	67043.4	76241.8	90630.4	112476.2	140063.6	175176.7
7.5°	34255.4	45407.9	52868.8	57708.7	62776.4	70322.5	82564.4	101691.4	128656.3	164829.7	248193.3
5°	36258.4	47231.0	54028.4	58599.4	64111.1	72739.9	87261.8	110224.4	142490.8	197714.7	354560.5
2.5°	37470.8	48336.3	54732.7	59141.7	64926.5	74223.0	90160.4	115533.0	151201.4	230758.5	447362.4
0°	37876.8	48706.7	54969.0	59323.9	65200.8	74723.1	91140.8	117336.7	154181.2	246693.0	481330.5
-2.5°	37470.8	48336.3	54732.7	59141.7	64926.5	74223.0	90160.4	115533.0	151201.4	230758.5	447362.4
-5°	36258.4	47231.0	54028.4	58599.4	64111.1	72739.9	87261.8	110224.4	142490.8	197714.7	354560.5
-7.5°	34255.4	45407.9	52868.8	57708.7	62776.4	70322.5	82564.4	101691.4	128656.3	164829.7	248193.3
-10°	31487.4	42894.1	51274.4	56488.1	60955.4	67043.4	76241.8	90630.4	112476.2	140063.6	175176.7
-12.5°	27988.0	39724.7	49270.9	54957.4	58853.5	63836.3	71110.4	82002.8	97079.0	116215.9	140063.6
-15°	23872.5	35545.1	45561.9	52358.1	56877.2	60913.7	65908.4	73218.8	83978.9	97079.0	112476.2
-17.5°	19387.2	30301.5	40840.8	49394.7	54492.6	58065.7	62058.0	66902.7	73218.8	82002.8	90630.4
-20°	14344.4	24457.3	35104.3	44209.2	50940.3	55397.2	58468.8	62058.0	65908.4	71110.4	76241.8



REPORT NUMBER: P1306442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-4R-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10310.7	18480.3	28171.4	38023.6	45926.1	51462.8	55397.2	58065.7	60913.7	63836.3	67043.4
-25°	6605.5	12298.4	21011.9	30074.2	38849.6	45926.1	50940.3	54492.6	56877.2	58853.5	60955.4
-27.5°	4322.5	8060.2	13660.8	21864.4	30074.2	38023.6	44209.2	49394.7	52358.1	54957.4	56488.1
-30°	2770.8	4671.2	8549.5	13660.8	21011.9	28171.4	35104.3	40840.8	45561.9	49270.9	51274.4
-32.5°	1837.3	2940.7	4671.2	8060.2	12298.4	18480.3	24457.3	30301.5	35545.1	39724.7	42894.1
-35°	1119.7	1837.3	2770.8	4322.5	6605.5	10310.7	14344.4	19387.2	23872.5	27988.0	31487.4
-37.5°	910.2	1100.6	1668.9	2412.5	3633.9	4907.5	7397.0	10268.2	12859.9	16436.2	19414.4
-40°	800.5	873.0	1043.8	1336.0	1988.8	2621.8	3708.5	4688.7	5980.7	8006.0	9688.8
-42.5°	735.4	785.6	829.6	950.4	1091.5	1408.9	1923.9	2387.3	3016.3	3704.4	4275.0
-45°	652.7	709.8	761.0	799.7	835.8	943.6	1054.2	1153.6	1490.4	1814.2	2082.2
-47.5°	544.4	617.1	672.1	719.5	760.8	791.7	819.9	855.9	936.6	1005.7	1062.8
-50°	429.7	494.9	558.8	618.7	663.7	701.4	735.6	762.8	783.2	800.6	815.0
-52.5°	319.0	376.2	432.4	485.6	537.0	584.3	627.2	657.2	681.9	703.0	720.4
-55°	254.4	285.4	314.6	357.4	402.3	443.5	481.2	516.4	547.2	573.4	595.1
-57.5°	208.4	225.3	244.4	269.4	292.6	313.9	341.7	372.2	398.8	421.6	440.3
-60°	165.9	184.5	199.2	212.8	225.3	236.9	254.4	270.0	283.7	295.3	304.9
-62.5°	122.5	135.3	151.1	165.9	179.6	191.0	200.4	208.7	216.0	222.2	227.3
-65°	103.6	109.6	115.2	120.5	125.6	136.8	147.0	156.0	163.8	170.5	176.0
-67.5°	87.2	91.7	96.0	99.9	104.0	107.9	111.5	114.6	117.4	119.7	121.7
-70°	72.8	76.1	79.2	82.3	85.5	88.4	91.1	93.4	95.5	97.2	98.6
-72.5°	60.3	62.7	65.0	67.5	69.8	71.9	73.8	75.5	76.9	78.2	79.2
-75°	49.5	51.2	53.1	54.9	56.5	58.0	59.3	60.5	61.5	62.4	63.1
-77.5°	40.5	41.9	43.1	44.3	45.4	46.4	47.2	48.0	48.7	49.3	49.8
-80°	32.2	33.2	34.1	35.0	35.7	36.5	37.1	37.7	38.2	38.6	39.0
-82.5°	24.9	25.5	26.1	26.6	27.1	27.5	27.9	28.3	28.6	28.8	29.0
-85°	18.8	19.2	19.5	19.7	20.0	20.2	20.4	20.6	20.8	20.9	21.0
-87.5°	12.0	12.4	12.7	13.0	13.3	13.6	13.8	14.0	14.2	14.4	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: P1306442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-4R-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°	14.6	14.6	14.7	14.7	14.7	14.6	14.6	14.5	14.4	14.2	14.0
85°	21.1	21.2	21.2	21.2	21.2	21.2	21.1	21.0	20.9	20.8	20.6
82.5°	29.2	29.3	29.4	29.4	29.4	29.3	29.2	29.0	28.8	28.6	28.3
80°	39.2	39.4	39.6	39.6	39.6	39.4	39.2	39.0	38.6	38.2	37.7
77.5°	50.1	50.4	50.5	50.6	50.5	50.4	50.1	49.8	49.3	48.7	48.0
75°	63.7	64.1	64.3	64.4	64.3	64.1	63.7	63.1	62.4	61.5	60.5
72.5°	80.0	80.5	80.9	81.0	80.9	80.5	80.0	79.2	78.2	76.9	75.5
70°	99.8	100.6	101.0	101.2	101.0	100.6	99.8	98.6	97.2	95.5	93.4
67.5°	123.2	124.2	124.9	125.1	124.9	124.2	123.2	121.7	119.7	117.4	114.6
65°	180.3	183.4	185.3	185.9	185.3	183.4	180.3	176.0	170.5	163.8	156.0
62.5°	231.3	234.2	235.9	236.5	235.9	234.2	231.3	227.3	222.2	216.0	208.7
60°	312.3	317.7	320.9	322.0	320.9	317.7	312.3	304.9	295.3	283.7	270.0
57.5°	455.0	465.5	471.8	473.9	471.8	465.5	455.0	440.3	421.6	398.8	372.2
55°	612.1	624.2	631.6	634.0	631.6	624.2	612.1	595.1	573.4	547.2	516.4
52.5°	734.0	743.8	749.7	751.7	749.7	743.8	734.0	720.4	703.0	681.9	657.2
50°	826.4	834.5	839.4	841.0	839.4	834.5	826.4	815.0	800.6	783.2	762.8
47.5°	1107.7	1139.9	1159.3	1165.8	1159.3	1139.9	1107.7	1062.8	1005.7	936.6	855.9
45°	2292.8	2444.3	2535.7	2566.2	2535.7	2444.3	2292.8	2082.2	1814.2	1490.4	1153.6
42.5°	4723.7	5047.0	5242.1	5307.3	5242.1	5047.0	4723.7	4275.0	3704.4	3016.3	2387.3
40°	11014.3	11970.4	12547.8	12740.9	12547.8	11970.4	11014.3	9688.8	8006.0	5980.7	4688.7
37.5°	21764.7	23462.5	24488.8	24832.3	24488.8	23462.5	21764.7	19414.4	16436.2	12859.9	10268.2
35°	34255.4	36258.4	37470.8	37876.8	37470.8	36258.4	34255.4	31487.4	27988.0	23872.5	19387.2
32.5°	45407.9	47231.0	48336.3	48706.7	48336.3	47231.0	45407.9	42894.1	39724.7	35545.1	30301.5
30°	52868.8	54028.4	54732.7	54969.0	54732.7	54028.4	52868.8	51274.4	49270.9	45561.9	40840.8
27.5°	57708.7	58599.4	59141.7	59323.9	59141.7	58599.4	57708.7	56488.1	54957.4	52358.1	49394.7
25°	62776.4	64111.1	64926.5	65200.8	64926.5	64111.1	62776.4	60955.4	58853.5	56877.2	54492.6
22.5°	70322.5	72739.9	74223.0	74723.1	74223.0	72739.9	70322.5	67043.4	63836.3	60913.7	58065.7
20°	82564.4	87261.8	90160.4	91140.8	90160.4	87261.8	82564.4	76241.8	71110.4	65908.4	62058.0
17.5°	101691.4	110224.4	115533.0	117336.7	115533.0	110224.4	101691.4	90630.4	82002.8	73218.8	66902.7
15°	128656.3	142490.8	151201.4	154181.2	151201.4	142490.8	128656.3	112476.2	97079.0	83978.9	73218.8
12.5°	164829.7	197714.7	230758.5	246693.0	230758.5	197714.7	164829.7	140063.6	116215.9	97079.0	82002.8
10°	248193.3	354560.5	447362.4	481330.5	447362.4	354560.5	248193.3	175176.7	140063.6	112476.2	90630.4
7.5°	415395.0	587681.2	666215.8	686522.8	666215.8	587681.2	415395.0	248193.3	164829.7	128656.3	101691.4
5°	587681.2	708339.4	766631.0	787459.7	766631.0	708339.4	587681.2	354560.5	197714.7	142490.8	110224.4
2.5°	666215.8	766631.0	833096.0	860764.4	833096.0	766631.0	666215.8	447362.4	230758.5	151201.4	115533.0
0°	686522.8	787459.7	860764.4	895533.5	860764.4	787459.7	686522.8	481330.5	246693.0	154181.2	117336.7
-2.5°	666215.8	766631.0	833096.0	860764.4	833096.0	766631.0	666215.8	447362.4	230758.5	151201.4	115533.0
-5°	587681.2	708339.4	766631.0	787459.7	766631.0	708339.4	587681.2	354560.5	197714.7	142490.8	110224.4
-7.5°	415395.0	587681.2	666215.8	686522.8	666215.8	587681.2	415395.0	248193.3	164829.7	128656.3	101691.4
-10°	248193.3	354560.5	447362.4	481330.5	447362.4	354560.5	248193.3	175176.7	140063.6	112476.2	90630.4
-12.5°	164829.7	197714.7	230758.5	246693.0	230758.5	197714.7	164829.7	140063.6	116215.9	97079.0	82002.8
-15°	128656.3	142490.8	151201.4	154181.2	151201.4	142490.8	128656.3	112476.2	97079.0	83978.9	73218.8
-17.5°	101691.4	110224.4	115533.0	117336.7	115533.0	110224.4	101691.4	90630.4	82002.8	73218.8	66902.7
-20°	82564.4	87261.8	90160.4	91140.8	90160.4	87261.8	82564.4	76241.8	71110.4	65908.4	62058.0



REPORT NUMBER: P1306442 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	70322.5	72739.9	74223.0	74723.1	74223.0	72739.9	70322.5	67043.4	63836.3	60913.7	58065.7
-25°	62776.4	64111.1	64926.5	65200.8	64926.5	64111.1	62776.4	60955.4	58853.5	56877.2	54492.6
-27.5°	57708.7	58599.4	59141.7	59323.9	59141.7	58599.4	57708.7	56488.1	54957.4	52358.1	49394.7
-30°	52868.8	54028.4	54732.7	54969.0	54732.7	54028.4	52868.8	51274.4	49270.9	45561.9	40840.8
-32.5°	45407.9	47231.0	48336.3	48706.7	48336.3	47231.0	45407.9	42894.1	39724.7	35545.1	30301.5
-35°	34255.4	36258.4	37470.8	37876.8	37470.8	36258.4	34255.4	31487.4	27988.0	23872.5	19387.2
-37.5°	21764.7	23462.5	24488.8	24832.3	24488.8	23462.5	21764.7	19414.4	16436.2	12859.9	10268.2
-40°	11014.3	11970.4	12547.8	12740.9	12547.8	11970.4	11014.3	9688.8	8006.0	5980.7	4688.7
-42.5°	4723.7	5047.0	5242.1	5307.3	5242.1	5047.0	4723.7	4275.0	3704.4	3016.3	2387.3
-45°	2292.8	2444.3	2535.7	2566.2	2535.7	2444.3	2292.8	2082.2	1814.2	1490.4	1153.6
-47.5°	1107.7	1139.9	1159.3	1165.8	1159.3	1139.9	1107.7	1062.8	1005.7	936.6	855.9
-50°	826.4	834.5	839.4	841.0	839.4	834.5	826.4	815.0	800.6	783.2	762.8
-52.5°	734.0	743.8	749.7	751.7	749.7	743.8	734.0	720.4	703.0	681.9	657.2
-55°	612.1	624.2	631.6	634.0	631.6	624.2	612.1	595.1	573.4	547.2	516.4
-57.5°	455.0	465.5	471.8	473.9	471.8	465.5	455.0	440.3	421.6	398.8	372.2
-60°	312.3	317.7	320.9	322.0	320.9	317.7	312.3	304.9	295.3	283.7	270.0
-62.5°	231.3	234.2	235.9	236.5	235.9	234.2	231.3	227.3	222.2	216.0	208.7
-65°	180.3	183.4	185.3	185.9	185.3	183.4	180.3	176.0	170.5	163.8	156.0
-67.5°	123.2	124.2	124.9	125.1	124.9	124.2	123.2	121.7	119.7	117.4	114.6
-70°	99.8	100.6	101.0	101.2	101.0	100.6	99.8	98.6	97.2	95.5	93.4
-72.5°	80.0	80.5	80.9	81.0	80.9	80.5	80.0	79.2	78.2	76.9	75.5
-75°	63.7	64.1	64.3	64.4	64.3	64.1	63.7	63.1	62.4	61.5	60.5
-77.5°	50.1	50.4	50.5	50.6	50.5	50.4	50.1	49.8	49.3	48.7	48.0
-80°	39.2	39.4	39.6	39.6	39.6	39.4	39.2	39.0	38.6	38.2	37.7
-82.5°	29.2	29.3	29.4	29.4	29.4	29.3	29.2	29.0	28.8	28.6	28.3
-85°	21.1	21.2	21.2	21.2	21.2	21.2	21.1	21.0	20.9	20.8	20.6
-87.5°	14.6	14.6	14.7	14.7	14.7	14.6	14.6	14.5	14.4	14.2	14.0
-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: P1306442 (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°	13.8	13.6	13.3	13.0	12.7	12.4	12.0	11.7	11.3	10.8	10.4
85°	20.4	20.2	20.0	19.7	19.5	19.2	18.8	18.5	18.2	17.8	17.4
82.5°	27.9	27.5	27.1	26.6	26.1	25.5	24.9	24.3	23.6	22.9	22.2
80°	37.1	36.5	35.7	35.0	34.1	33.2	32.2	31.1	30.0	28.9	27.9
77.5°	47.2	46.4	45.4	44.3	43.1	41.9	40.5	39.1	37.7	36.3	34.7
75°	59.3	58.0	56.5	54.9	53.1	51.2	49.5	47.7	45.9	44.0	42.0
72.5°	73.8	71.9	69.8	67.5	65.0	62.7	60.3	57.8	55.1	52.3	49.6
70°	91.1	88.4	85.5	82.3	79.2	76.1	72.8	69.3	65.7	62.2	58.9
67.5°	111.5	107.9	104.0	99.9	96.0	91.7	87.2	82.4	78.0	73.6	69.0
65°	147.0	136.8	125.6	120.5	115.2	109.6	103.6	97.9	92.2	86.3	80.3
62.5°	200.4	191.0	179.6	165.9	151.1	135.3	122.5	115.4	108.0	100.4	93.6
60°	254.4	236.9	225.3	212.8	199.2	184.5	165.9	146.3	125.6	116.8	107.9
57.5°	341.7	313.9	292.6	269.4	244.4	225.3	208.4	190.6	169.0	145.5	123.5
55°	481.2	443.5	402.3	357.4	314.6	285.4	254.4	227.8	207.4	186.2	159.8
52.5°	627.2	584.3	537.0	485.6	432.4	376.2	319.0	283.7	246.7	219.7	196.0
50°	735.6	701.4	663.7	618.7	558.8	494.9	429.7	362.2	304.9	263.5	227.1
47.5°	819.9	791.7	760.8	719.5	672.1	617.1	544.4	468.5	392.9	317.7	271.9
45°	1054.2	943.6	835.8	799.7	761.0	709.8	652.7	577.9	493.0	408.4	322.0
42.5°	1923.9	1408.9	1091.5	950.4	829.6	785.6	735.4	671.5	594.8	501.3	408.4
40°	3708.5	2621.8	1988.8	1336.0	1043.8	873.0	800.5	748.2	677.9	594.8	493.0
37.5°	7397.0	4907.5	3633.9	2412.5	1668.9	1100.6	910.2	805.5	748.2	671.5	577.9
35°	14344.4	10310.7	6605.5	4322.5	2770.8	1837.3	1119.7	910.2	800.5	735.4	652.7
32.5°	24457.3	18480.3	12298.4	8060.2	4671.2	2940.7	1837.3	1100.6	873.0	785.6	709.8
30°	35104.3	28171.4	21011.9	13660.8	8549.5	4671.2	2770.8	1668.9	1043.8	829.6	761.0
27.5°	44209.2	38023.6	30074.2	21864.4	13660.8	8060.2	4322.5	2412.5	1336.0	950.4	799.7
25°	50940.3	45926.1	38849.6	30074.2	21011.9	12298.4	6605.5	3633.9	1988.8	1091.5	835.8
22.5°	55397.2	51462.8	45926.1	38023.6	28171.4	18480.3	10310.7	4907.5	2621.8	1408.9	943.6
20°	58468.8	55397.2	50940.3	44209.2	35104.3	24457.3	14344.4	7397.0	3708.5	1923.9	1054.2
17.5°	62058.0	58065.7	54492.6	49394.7	40840.8	30301.5	19387.2	10268.2	4688.7	2387.3	1153.6
15°	65908.4	60913.7	56877.2	52358.1	45561.9	35545.1	23872.5	12859.9	5980.7	3016.3	1490.4
12.5°	71110.4	63836.3	58853.5	54957.4	49270.9	39724.7	27988.0	16436.2	8006.0	3704.4	1814.2
10°	76241.8	67043.4	60955.4	56488.1	51274.4	42894.1	31487.4	19414.4	9688.8	4275.0	2082.2
7.5°	82564.4	70322.5	62776.4	57708.7	52868.8	45407.9	34255.4	21764.7	11014.3	4723.7	2292.8
5°	87261.8	72739.9	64111.1	58599.4	54028.4	47231.0	36258.4	23462.5	11970.4	5047.0	2444.3
2.5°	90160.4	74223.0	64926.5	59141.7	54732.7	48336.3	37470.8	24488.8	12547.8	5242.1	2535.7
0°	91140.8	74723.1	65200.8	59323.9	54969.0	48706.7	37876.8	24832.3	12740.9	5307.3	2566.2
-2.5°	90160.4	74223.0	64926.5	59141.7	54732.7	48336.3	37470.8	24488.8	12547.8	5242.1	2535.7
-5°	87261.8	72739.9	64111.1	58599.4	54028.4	47231.0	36258.4	23462.5	11970.4	5047.0	2444.3
-7.5°	82564.4	70322.5	62776.4	57708.7	52868.8	45407.9	34255.4	21764.7	11014.3	4723.7	2292.8
-10°	76241.8	67043.4	60955.4	56488.1	51274.4	42894.1	31487.4	19414.4	9688.8	4275.0	2082.2
-12.5°	71110.4	63836.3	58853.5	54957.4	49270.9	39724.7	27988.0	16436.2	8006.0	3704.4	1814.2
-15°	65908.4	60913.7	56877.2	52358.1	45561.9	35545.1	23872.5	12859.9	5980.7	3016.3	1490.4
-17.5°	62058.0	58065.7	54492.6	49394.7	40840.8	30301.5	19387.2	10268.2	4688.7	2387.3	1153.6
-20°	58468.8	55397.2	50940.3	44209.2	35104.3	24457.3	14344.4	7397.0	3708.5	1923.9	1054.2



REPORT NUMBER: P1306442 (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°
-22.5°	55397.2	51462.8	45926.1	38023.6	28171.4	18480.3	10310.7	4907.5	2621.8	1408.9	943.6
-25°	50940.3	45926.1	38849.6	30074.2	21011.9	12298.4	6605.5	3633.9	1988.8	1091.5	835.8
-27.5°	44209.2	38023.6	30074.2	21864.4	13660.8	8060.2	4322.5	2412.5	1336.0	950.4	799.7
-30°	35104.3	28171.4	21011.9	13660.8	8549.5	4671.2	2770.8	1668.9	1043.8	829.6	761.0
-32.5°	24457.3	18480.3	12298.4	8060.2	4671.2	2940.7	1837.3	1100.6	873.0	785.6	709.8
-35°	14344.4	10310.7	6605.5	4322.5	2770.8	1837.3	1119.7	910.2	800.5	735.4	652.7
-37.5°	7397.0	4907.5	3633.9	2412.5	1668.9	1100.6	910.2	805.5	748.2	671.5	577.9
-40°	3708.5	2621.8	1988.8	1336.0	1043.8	873.0	800.5	748.2	677.9	594.8	493.0
-42.5°	1923.9	1408.9	1091.5	950.4	829.6	785.6	735.4	671.5	594.8	501.3	408.4
-45°	1054.2	943.6	835.8	799.7	761.0	709.8	652.7	577.9	493.0	408.4	322.0
-47.5°	819.9	791.7	760.8	719.5	672.1	617.1	544.4	468.5	392.9	317.7	271.9
-50°	735.6	701.4	663.7	618.7	558.8	494.9	429.7	362.2	304.9	263.5	227.1
-52.5°	627.2	584.3	537.0	485.6	432.4	376.2	319.0	283.7	246.7	219.7	196.0
-55°	481.2	443.5	402.3	357.4	314.6	285.4	254.4	227.8	207.4	186.2	159.8
-57.5°	341.7	313.9	292.6	269.4	244.4	225.3	208.4	190.6	169.0	145.5	123.5
-60°	254.4	236.9	225.3	212.8	199.2	184.5	165.9	146.3	125.6	116.8	107.9
-62.5°	200.4	191.0	179.6	165.9	151.1	135.3	122.5	115.4	108.0	100.4	93.6
-65°	147.0	136.8	125.6	120.5	115.2	109.6	103.6	97.9	92.2	86.3	80.3
-67.5°	111.5	107.9	104.0	99.9	96.0	91.7	87.2	82.4	78.0	73.6	69.0
-70°	91.1	88.4	85.5	82.3	79.2	76.1	72.8	69.3	65.7	62.2	58.9
-72.5°	73.8	71.9	69.8	67.5	65.0	62.7	60.3	57.8	55.1	52.3	49.6
-75°	59.3	58.0	56.5	54.9	53.1	51.2	49.5	47.7	45.9	44.0	42.0
-77.5°	47.2	46.4	45.4	44.3	43.1	41.9	40.5	39.1	37.7	36.3	34.7
-80°	37.1	36.5	35.7	35.0	34.1	33.2	32.2	31.1	30.0	28.9	27.9
-82.5°	27.9	27.5	27.1	26.6	26.1	25.5	24.9	24.3	23.6	22.9	22.2
-85°	20.4	20.2	20.0	19.7	19.5	19.2	18.8	18.5	18.2	17.8	17.4
-87.5°	13.8	13.6	13.3	13.0	12.7	12.4	12.0	11.7	11.3	10.8	10.4
-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: P1306442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-40-80-4R-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°	9.9	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4
85°	17.0	16.6	16.1	15.7	15.2	14.7	13.6	12.4	11.2	10.0	8.8
82.5°	21.4	20.7	20.0	19.4	18.7	17.9	17.2	16.4	15.6	14.9	13.2
80°	26.9	25.8	24.7	23.5	22.4	21.2	20.2	19.1	18.1	17.1	16.0
77.5°	33.1	31.4	29.7	28.2	26.7	25.2	23.6	22.0	20.6	19.2	17.9
75°	39.9	37.9	35.8	33.6	31.4	29.2	27.3	25.4	23.4	21.5	19.8
72.5°	47.2	44.6	42.0	39.3	36.7	34.1	31.4	28.7	26.5	24.2	21.8
70°	55.3	51.7	48.5	45.4	42.2	39.0	35.9	32.7	29.5	26.8	24.2
67.5°	64.3	60.2	56.0	51.6	47.8	44.1	40.4	36.8	33.2	29.5	26.5
65°	75.0	69.5	63.9	59.0	54.0	49.3	45.1	40.9	36.8	32.7	28.7
62.5°	86.5	79.4	73.2	66.8	60.9	55.3	49.8	45.1	40.4	35.9	31.4
60°	99.1	91.1	82.8	75.5	68.3	61.5	55.3	49.3	44.1	39.0	34.1
57.5°	113.5	103.2	93.9	84.6	76.2	68.3	60.9	54.0	47.8	42.2	36.7
55°	132.4	116.8	105.4	94.8	84.6	75.5	66.8	59.0	51.6	45.4	39.3
52.5°	168.5	138.1	117.9	105.4	93.9	82.8	73.2	63.9	56.0	48.5	42.0
50°	200.8	171.4	138.1	116.8	103.2	91.1	79.4	69.5	60.2	51.7	44.6
47.5°	229.5	200.8	168.5	132.4	113.5	99.1	86.5	75.0	64.3	55.3	47.2
45°	271.9	227.1	196.0	159.8	123.5	107.9	93.6	80.3	69.0	58.9	49.6
42.5°	317.7	263.5	219.7	186.2	145.5	116.8	100.4	86.3	73.6	62.2	52.3
40°	392.9	304.9	246.7	207.4	169.0	125.6	108.0	92.2	78.0	65.7	55.1
37.5°	468.5	362.2	283.7	227.8	190.6	146.3	115.4	97.9	82.4	69.3	57.8
35°	544.4	429.7	319.0	254.4	208.4	165.9	122.5	103.6	87.2	72.8	60.3
32.5°	617.1	494.9	376.2	285.4	225.3	184.5	135.3	109.6	91.7	76.1	62.7
30°	672.1	558.8	432.4	314.6	244.4	199.2	151.1	115.2	96.0	79.2	65.0
27.5°	719.5	618.7	485.6	357.4	269.4	212.8	165.9	120.5	99.9	82.3	67.5
25°	760.8	663.7	537.0	402.3	292.6	225.3	179.6	125.6	104.0	85.5	69.8
22.5°	791.7	701.4	584.3	443.5	313.9	236.9	191.0	136.8	107.9	88.4	71.9
20°	819.9	735.6	627.2	481.2	341.7	254.4	200.4	147.0	111.5	91.1	73.8
17.5°	855.9	762.8	657.2	516.4	372.2	270.0	208.7	156.0	114.6	93.4	75.5
15°	936.6	783.2	681.9	547.2	398.8	283.7	216.0	163.8	117.4	95.5	76.9
12.5°	1005.7	800.6	703.0	573.4	421.6	295.3	222.2	170.5	119.7	97.2	78.2
10°	1062.8	815.0	720.4	595.1	440.3	304.9	227.3	176.0	121.7	98.6	79.2
7.5°	1107.7	826.4	734.0	612.1	455.0	312.3	231.3	180.3	123.2	99.8	80.0
5°	1139.9	834.5	743.8	624.2	465.5	317.7	234.2	183.4	124.2	100.6	80.5
2.5°	1159.3	839.4	749.7	631.6	471.8	320.9	235.9	185.3	124.9	101.0	80.9
0°	1165.8	841.0	751.7	634.0	473.9	322.0	236.5	185.9	125.1	101.2	81.0
-2.5°	1159.3	839.4	749.7	631.6	471.8	320.9	235.9	185.3	124.9	101.0	80.9
-5°	1139.9	834.5	743.8	624.2	465.5	317.7	234.2	183.4	124.2	100.6	80.5
-7.5°	1107.7	826.4	734.0	612.1	455.0	312.3	231.3	180.3	123.2	99.8	80.0
-10°	1062.8	815.0	720.4	595.1	440.3	304.9	227.3	176.0	121.7	98.6	79.2
-12.5°	1005.7	800.6	703.0	573.4	421.6	295.3	222.2	170.5	119.7	97.2	78.2
-15°	936.6	783.2	681.9	547.2	398.8	283.7	216.0	163.8	117.4	95.5	76.9
-17.5°	855.9	762.8	657.2	516.4	372.2	270.0	208.7	156.0	114.6	93.4	75.5
-20°	819.9	735.6	627.2	481.2	341.7	254.4	200.4	147.0	111.5	91.1	73.8



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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°	791.7	701.4	584.3	443.5	313.9	236.9	191.0	136.8	107.9	88.4	71.9
-25°	760.8	663.7	537.0	402.3	292.6	225.3	179.6	125.6	104.0	85.5	69.8
-27.5°	719.5	618.7	485.6	357.4	269.4	212.8	165.9	120.5	99.9	82.3	67.5
-30°	672.1	558.8	432.4	314.6	244.4	199.2	151.1	115.2	96.0	79.2	65.0
-32.5°	617.1	494.9	376.2	285.4	225.3	184.5	135.3	109.6	91.7	76.1	62.7
-35°	544.4	429.7	319.0	254.4	208.4	165.9	122.5	103.6	87.2	72.8	60.3
-37.5°	468.5	362.2	283.7	227.8	190.6	146.3	115.4	97.9	82.4	69.3	57.8
-40°	392.9	304.9	246.7	207.4	169.0	125.6	108.0	92.2	78.0	65.7	55.1
-42.5°	317.7	263.5	219.7	186.2	145.5	116.8	100.4	86.3	73.6	62.2	52.3
-45°	271.9	227.1	196.0	159.8	123.5	107.9	93.6	80.3	69.0	58.9	49.6
-47.5°	229.5	200.8	168.5	132.4	113.5	99.1	86.5	75.0	64.3	55.3	47.2
-50°	200.8	171.4	138.1	116.8	103.2	91.1	79.4	69.5	60.2	51.7	44.6
-52.5°	168.5	138.1	117.9	105.4	93.9	82.8	73.2	63.9	56.0	48.5	42.0
-55°	132.4	116.8	105.4	94.8	84.6	75.5	66.8	59.0	51.6	45.4	39.3
-57.5°	113.5	103.2	93.9	84.6	76.2	68.3	60.9	54.0	47.8	42.2	36.7
-60°	99.1	91.1	82.8	75.5	68.3	61.5	55.3	49.3	44.1	39.0	34.1
-62.5°	86.5	79.4	73.2	66.8	60.9	55.3	49.8	45.1	40.4	35.9	31.4
-65°	75.0	69.5	63.9	59.0	54.0	49.3	45.1	40.9	36.8	32.7	28.7
-67.5°	64.3	60.2	56.0	51.6	47.8	44.1	40.4	36.8	33.2	29.5	26.5
-70°	55.3	51.7	48.5	45.4	42.2	39.0	35.9	32.7	29.5	26.8	24.2
-72.5°	47.2	44.6	42.0	39.3	36.7	34.1	31.4	28.7	26.5	24.2	21.8
-75°	39.9	37.9	35.8	33.6	31.4	29.2	27.3	25.4	23.4	21.5	19.8
-77.5°	33.1	31.4	29.7	28.2	26.7	25.2	23.6	22.0	20.6	19.2	17.9
-80°	26.9	25.8	24.7	23.5	22.4	21.2	20.2	19.1	18.1	17.1	16.0
-82.5°	21.4	20.7	20.0	19.4	18.7	17.9	17.2	16.4	15.6	14.9	13.2
-85°	17.0	16.6	16.1	15.7	15.2	14.7	13.6	12.4	11.2	10.0	8.8
-87.5°	9.9	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4
-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°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
85°	7.6	6.4	5.1	3.8	2.6	1.3	0.0
82.5°	11.4	9.5	7.6	5.7	3.8	1.9	0.0
80°	14.9	12.7	10.2	7.6	5.1	2.6	0.0
77.5°	16.5	15.2	12.7	9.5	6.4	3.2	0.0
75°	18.2	16.5	14.9	11.4	7.6	3.8	0.0
72.5°	19.8	17.9	16.0	13.2	8.8	4.4	0.0
70°	21.5	19.2	17.1	14.9	10.0	5.0	0.0
67.5°	23.4	20.6	18.1	15.6	11.2	5.6	0.0
65°	25.4	22.0	19.1	16.4	12.4	6.2	0.0
62.5°	27.3	23.6	20.2	17.2	13.6	6.8	0.0
60°	29.2	25.2	21.2	17.9	14.7	7.3	0.0
57.5°	31.4	26.7	22.4	18.7	15.2	7.9	0.0
55°	33.6	28.2	23.5	19.4	15.7	8.4	0.0
52.5°	35.8	29.7	24.7	20.0	16.1	8.9	0.0
50°	37.9	31.4	25.8	20.7	16.6	9.4	0.0
47.5°	39.9	33.1	26.9	21.4	17.0	9.9	0.0
45°	42.0	34.7	27.9	22.2	17.4	10.4	0.0
42.5°	44.0	36.3	28.9	22.9	17.8	10.8	0.0
40°	45.9	37.7	30.0	23.6	18.2	11.3	0.0
37.5°	47.7	39.1	31.1	24.3	18.5	11.7	0.0
35°	49.5	40.5	32.2	24.9	18.8	12.0	0.0
32.5°	51.2	41.9	33.2	25.5	19.2	12.4	0.0
30°	53.1	43.1	34.1	26.1	19.5	12.7	0.0
27.5°	54.9	44.3	35.0	26.6	19.7	13.0	0.0
25°	56.5	45.4	35.7	27.1	20.0	13.3	0.0
22.5°	58.0	46.4	36.5	27.5	20.2	13.6	0.0
20°	59.3	47.2	37.1	27.9	20.4	13.8	0.0
17.5°	60.5	48.0	37.7	28.3	20.6	14.0	0.0
15°	61.5	48.7	38.2	28.6	20.8	14.2	0.0
12.5°	62.4	49.3	38.6	28.8	20.9	14.4	0.0
10°	63.1	49.8	39.0	29.0	21.0	14.5	0.0
7.5°	63.7	50.1	39.2	29.2	21.1	14.6	0.0
5°	64.1	50.4	39.4	29.3	21.2	14.6	0.0
2.5°	64.3	50.5	39.6	29.4	21.2	14.7	0.0
0°	64.4	50.6	39.6	29.4	21.2	14.7	0.0
-2.5°	64.3	50.5	39.6	29.4	21.2	14.7	0.0
-5°	64.1	50.4	39.4	29.3	21.2	14.6	0.0
-7.5°	63.7	50.1	39.2	29.2	21.1	14.6	0.0
-10°	63.1	49.8	39.0	29.0	21.0	14.5	0.0
-12.5°	62.4	49.3	38.6	28.8	20.9	14.4	0.0
-15°	61.5	48.7	38.2	28.6	20.8	14.2	0.0
-17.5°	60.5	48.0	37.7	28.3	20.6	14.0	0.0
-20°	59.3	47.2	37.1	27.9	20.4	13.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	58.0	46.4	36.5	27.5	20.2	13.6	0.0
-25°	56.5	45.4	35.7	27.1	20.0	13.3	0.0
-27.5°	54.9	44.3	35.0	26.6	19.7	13.0	0.0
-30°	53.1	43.1	34.1	26.1	19.5	12.7	0.0
-32.5°	51.2	41.9	33.2	25.5	19.2	12.4	0.0
-35°	49.5	40.5	32.2	24.9	18.8	12.0	0.0
-37.5°	47.7	39.1	31.1	24.3	18.5	11.7	0.0
-40°	45.9	37.7	30.0	23.6	18.2	11.3	0.0
-42.5°	44.0	36.3	28.9	22.9	17.8	10.8	0.0
-45°	42.0	34.7	27.9	22.2	17.4	10.4	0.0
-47.5°	39.9	33.1	26.9	21.4	17.0	9.9	0.0
-50°	37.9	31.4	25.8	20.7	16.6	9.4	0.0
-52.5°	35.8	29.7	24.7	20.0	16.1	8.9	0.0
-55°	33.6	28.2	23.5	19.4	15.7	8.4	0.0
-57.5°	31.4	26.7	22.4	18.7	15.2	7.9	0.0
-60°	29.2	25.2	21.2	17.9	14.7	7.3	0.0
-62.5°	27.3	23.6	20.2	17.2	13.6	6.8	0.0
-65°	25.4	22.0	19.1	16.4	12.4	6.2	0.0
-67.5°	23.4	20.6	18.1	15.6	11.2	5.6	0.0
-70°	21.5	19.2	17.1	14.9	10.0	5.0	0.0
-72.5°	19.8	17.9	16.0	13.2	8.8	4.4	0.0
-75°	18.2	16.5	14.9	11.4	7.6	3.8	0.0
-77.5°	16.5	15.2	12.7	9.5	6.4	3.2	0.0
-80°	14.9	12.7	10.2	7.6	5.1	2.6	0.0
-82.5°	11.4	9.5	7.6	5.7	3.8	1.9	0.0
-85°	7.6	6.4	5.1	3.8	2.6	1.3	0.0
-87.5°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)