

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: P1306491 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-57-80-3L-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1306491 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200L-57-80-3L-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 80 CRI LEDS AND 3L BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

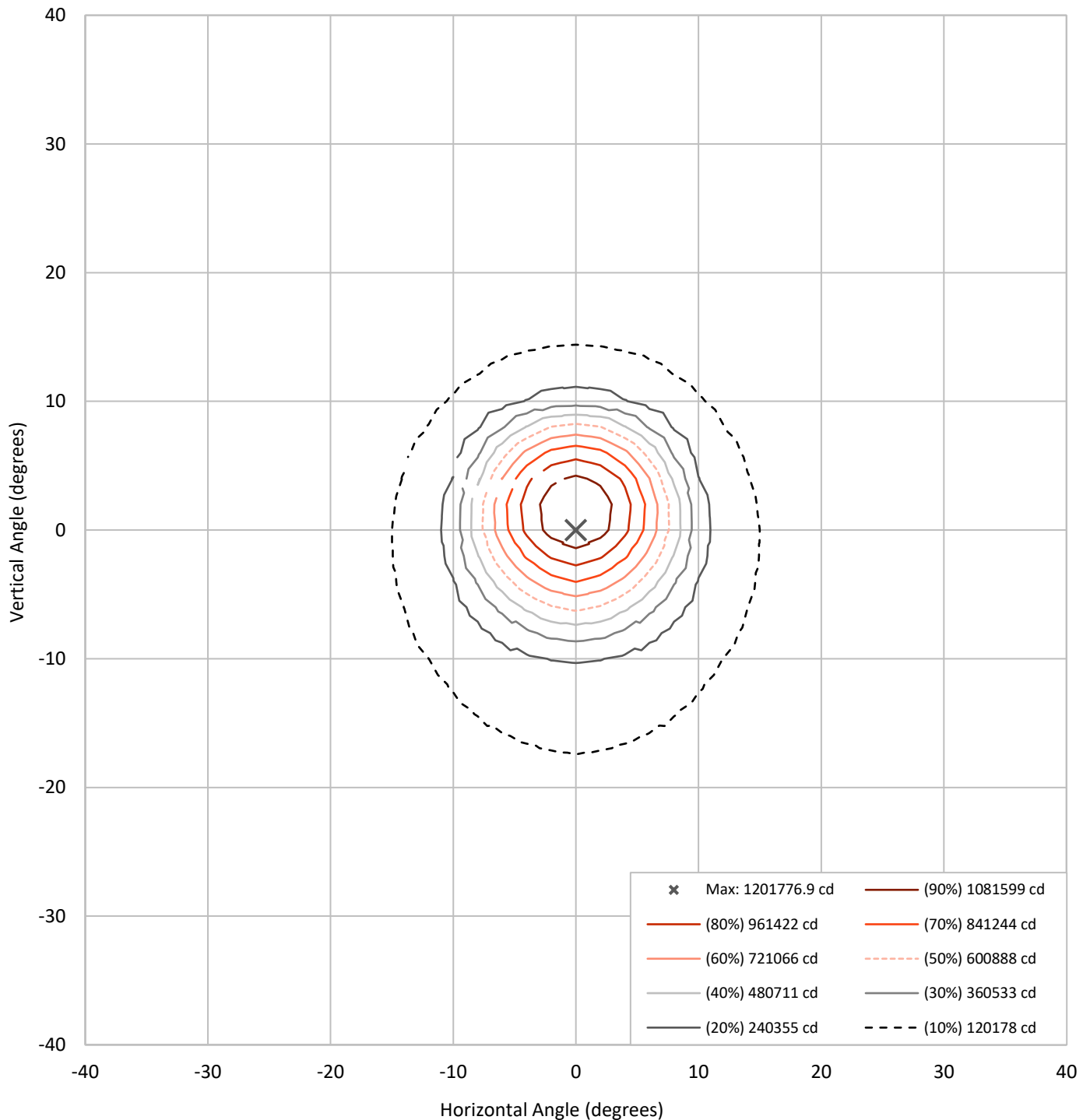
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	157448.4 lumens	Max Intensity:	1201776.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	122.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		

Beam Angle (50%):	15.2°H x 14.5°V	Field Angle (10%):	29.6°H x 31.5°V
Beam Lumens:	43898.8 lumens	Field Lumens:	87607.2 lumens
Beam Efficiency:	27.9%	Field Efficiency:	55.6%

Input Watts (W): 1290  
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



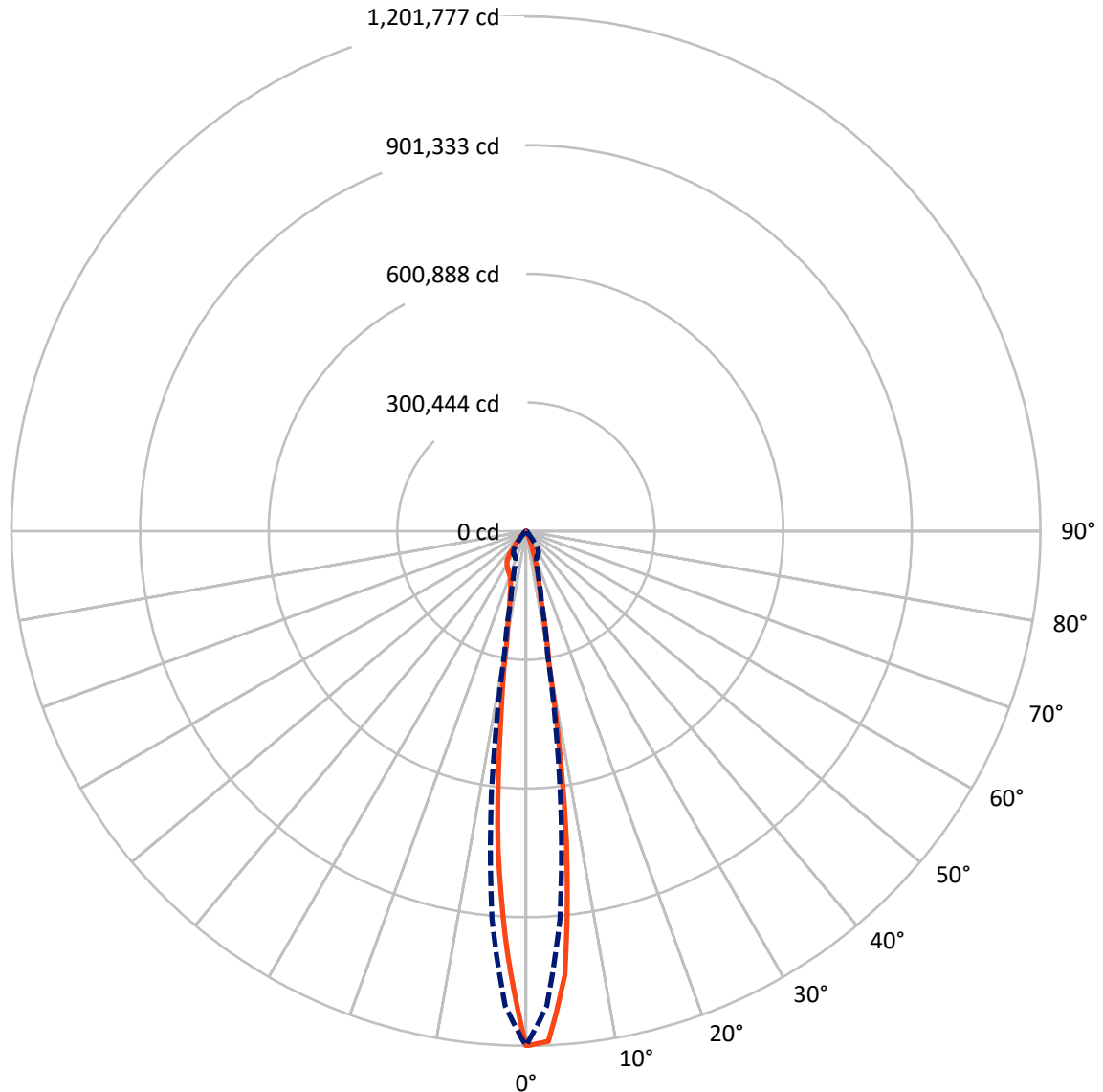
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### Lumen Table

90	0.3	1.3		2.2		3.1		3.4		3.1		2.2		1.3		0.3
80	0.3	1.3		2.2		3.1		3.4		3.1		2.2		1.3		0.3
70	0.6	0.4	0.7	1.1	1.7	2.3	2.9	3.4	3.4	2.9	2.3	1.7	1.1	0.7	0.4	0.6
60		0.5	1.0	2.0	3.5	6.1	11.8	24.7	24.7	11.8	6.1	3.5	2.0	1.0	0.5	
50	0.7	0.7	1.7	4.3	9.1	15.5	22.6	32.8	32.8	22.6	15.5	9.1	4.3	1.7	0.7	0.7
40		0.9	3.3	8.9	17.0	27.5	43.4	60.9	60.9	43.4	27.5	17.0	8.9	3.3	0.9	
30	0.8	1.3	5.6	16.5	61.6	222.8	380.4	493.6	493.6	380.4	222.8	61.6	16.5	5.6	1.3	0.8
20		1.8	9.1	41.9	368.8	990.6	1644.1	3213.7	3213.7	1644.1	990.6	368.8	41.9	9.1	1.8	
10	0.9	2.0	14.2	103.8	829.5	1587.9	3364.5	19509.4	19509.4	3364.5	1587.9	829.5	103.8	14.2	2.0	0.9
0		2.3	18.8	156.7	1095.3	1916.2	3585.6	15671.1	15671.1	3585.6	1916.2	1095.3	156.7	18.8	2.3	
-10	0.9	2.3	16.6	137.7	961.5	2175.1	2820.9	4127.3	4127.3	2820.9	2175.1	961.5	137.7	16.6	2.3	0.9
-20		1.7	10.3	70.4	488.9	1762.4	2623.7	2932.6	2932.6	2623.7	1762.4	488.9	70.4	10.3	1.7	
-30	0.7	1.1	5.6	22.6	146.1	621.9	1368.4	1859.8	1859.8	1368.4	621.9	146.1	22.6	5.6	1.1	0.7
-40		0.8	2.8	7.6	26.6	113.9	271.0	396.0	396.0	271.0	113.9	26.6	7.6	2.8	0.8	
-50	0.5	0.5	1.3	3.3	6.3	12.0	26.2	38.7	38.7	26.2	12.0	6.3	3.3	1.3	0.5	0.5
-60		0.4	0.7	1.3	2.2	3.5	4.7	5.3	5.3	4.7	3.5	2.2	1.3	0.7	0.4	
-70	0.3	1.2		2.1		3.0		3.3		3.0		2.1		1.2		0.3
-80		1.2		2.1		3.0		3.3		3.0		2.1		1.2		
-90	0.3	1.2		2.1		3.0		3.3		3.0		2.1		1.2		0.3

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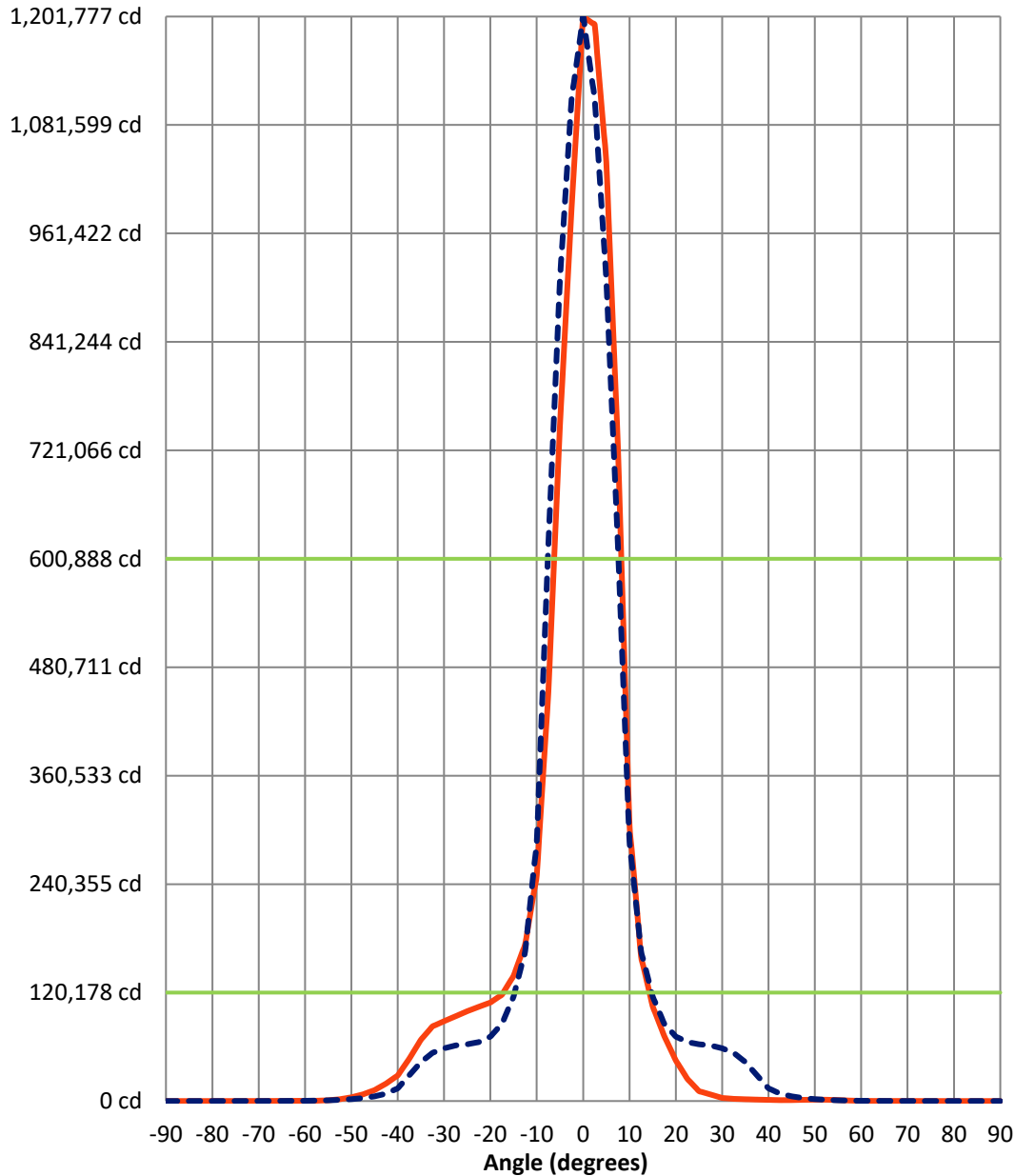
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 15.2°  
 V Angle: 14.5°  
 Lumens: 43898.8  
 Efficiency: 27.9%

**Field:**  
 H Angle: 29.6°  
 V Angle: 31.5°  
 Lumens: 87607.2  
 Efficiency: 55.6%

**Spill:**  
 Lumens: 69841.2  
 Efficiency: 44.4%

— 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	0.8	1.6	2.4	3.1	3.9	4.7	5.4	6.2	6.9	7.6
85°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
82.5°	0.0	2.4	4.7	7.1	9.4	11.7	14.0	16.3	18.3	19.4	20.5
80°	0.0	3.1	6.3	9.4	12.5	15.6	18.4	19.9	21.4	22.9	24.3
77.5°	0.0	3.9	7.8	11.7	15.6	18.8	20.7	22.6	24.5	26.3	27.2
75°	0.0	4.7	9.4	14.0	18.4	20.7	23.0	25.2	27.2	27.2	27.2
72.5°	0.0	5.4	10.9	16.3	19.9	22.6	25.2	27.2	27.2	27.2	27.2
70°	0.0	6.2	12.4	18.3	21.4	24.5	27.2	27.2	27.2	27.3	30.2
67.5°	0.0	6.9	13.8	19.4	22.9	26.3	27.2	27.2	27.3	30.6	33.8
65°	0.0	7.6	15.3	20.5	24.3	27.2	27.2	27.2	30.2	33.8	36.3
62.5°	0.0	8.4	16.7	21.6	25.7	27.2	27.2	29.0	33.0	36.3	36.3
60°	0.0	9.0	18.1	22.6	27.1	27.2	27.2	31.4	35.7	36.3	36.3
57.5°	0.0	9.7	18.8	23.6	27.2	27.2	29.0	33.7	36.3	36.3	38.5
55°	0.0	10.4	19.4	24.6	27.2	27.2	31.0	36.1	36.3	36.9	41.8
52.5°	0.0	11.0	20.1	25.6	27.2	27.5	32.9	36.3	36.3	39.8	45.0
50°	0.0	11.6	20.7	26.5	27.2	29.0	34.8	36.3	37.0	42.6	46.8
47.5°	0.0	12.2	21.3	27.2	27.2	30.5	36.3	36.3	39.4	45.2	48.8
45°	0.0	12.8	21.9	27.2	27.2	31.9	36.3	36.3	41.7	47.5	51.2
42.5°	0.0	13.3	22.4	27.2	27.2	33.3	36.3	37.4	43.9	50.0	55.1
40°	0.0	13.9	22.9	27.2	27.7	34.6	36.3	39.2	46.0	52.8	58.8
37.5°	0.0	14.4	23.4	27.2	28.7	35.9	36.3	41.0	48.0	55.0	61.9
35°	0.0	14.8	23.9	27.2	29.7	36.3	36.3	42.6	49.9	57.2	65.3
32.5°	0.0	15.3	24.3	27.2	30.6	36.3	36.7	44.2	51.7	59.2	70.2
30°	0.0	15.7	24.8	27.2	31.4	36.3	37.9	45.6	53.4	61.2	75.1
27.5°	0.0	16.1	25.1	27.2	32.2	36.3	39.1	47.0	55.0	62.9	80.2
25°	0.0	16.4	25.5	27.2	32.9	36.3	40.1	48.3	56.4	66.2	85.5
22.5°	0.0	16.7	25.8	27.2	33.5	36.3	41.1	49.4	57.7	70.1	94.8
20°	0.0	17.0	26.1	27.2	34.1	36.3	42.0	50.4	58.9	74.0	103.3
17.5°	0.0	17.3	26.4	27.2	34.6	36.3	42.7	51.4	60.0	77.7	111.0
15°	0.0	17.5	26.6	27.2	35.0	36.3	43.4	52.2	60.9	81.2	117.9
12.5°	0.0	17.7	26.8	27.2	35.4	36.3	44.0	52.8	62.4	84.5	123.9
10°	0.0	17.8	26.9	27.2	35.7	36.3	44.5	53.4	64.5	87.0	129.2
7.5°	0.0	17.9	27.0	27.2	36.0	36.3	44.8	53.8	66.7	88.8	134.4
5°	0.0	18.0	27.1	27.2	36.2	36.3	45.1	54.1	68.8	89.9	138.8
2.5°	0.0	18.1	27.2	27.2	36.3	36.3	45.2	54.3	70.8	90.5	142.4
0°	0.0	18.1	27.2	27.2	36.3	36.3	45.3	54.4	72.6	90.7	145.1
-2.5°	0.0	18.1	27.2	27.2	36.3	36.3	45.2	54.3	72.5	92.4	150.8
-5°	0.0	18.0	27.1	27.2	36.2	36.3	45.1	54.1	72.0	93.7	155.2
-7.5°	0.0	17.9	27.0	27.2	36.0	36.3	44.8	53.8	71.3	94.4	157.9
-10°	0.0	17.8	26.9	27.2	35.7	36.3	44.5	53.4	70.3	94.5	158.7
-12.5°	0.0	17.7	26.8	27.2	35.4	36.3	44.0	52.8	69.0	93.7	154.5
-15°	0.0	17.5	26.6	27.2	35.0	36.3	43.4	52.2	67.4	91.0	147.1
-17.5°	0.0	17.3	26.4	27.2	34.6	36.3	42.7	51.4	65.6	87.9	138.0
-20°	0.0	17.0	26.1	27.2	34.1	36.3	42.0	50.4	63.5	84.3	127.2



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 CATALOG NUMBER: EPH-LS16-1200L-57-80-3L-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.7	25.8	27.2	33.5	36.3	41.1	49.4	61.1	80.3	114.7
-25°	0.0	16.4	25.5	27.2	32.9	36.1	40.1	48.3	58.5	75.8	100.5
-27.5°	0.0	16.1	25.1	27.2	32.2	35.9	39.1	47.0	55.6	71.5	94.5
-30°	0.0	15.7	24.8	27.2	31.4	35.5	37.9	45.6	53.4	67.9	88.6
-32.5°	0.0	15.3	24.3	27.2	30.4	35.0	36.7	44.2	51.7	64.1	82.2
-35°	0.0	14.8	23.9	27.2	29.5	34.4	35.9	42.6	49.9	60.0	75.4
-37.5°	0.0	14.4	23.4	27.2	28.6	33.6	35.3	41.0	48.0	55.7	69.6
-40°	0.0	13.9	22.9	27.2	27.6	32.3	34.5	39.2	46.0	52.8	64.5
-42.5°	0.0	13.3	22.4	27.2	27.2	31.2	33.4	37.4	43.9	50.4	59.2
-45°	0.0	12.8	21.9	27.2	27.2	30.1	32.2	35.7	41.7	47.8	54.0
-47.5°	0.0	12.2	21.3	27.2	27.2	29.1	30.8	34.0	39.4	45.2	51.1
-50°	0.0	11.6	20.7	26.5	27.2	28.2	29.8	32.1	37.0	42.6	48.1
-52.5°	0.0	11.0	20.1	25.6	27.2	27.3	28.9	29.9	34.5	39.8	45.0
-55°	0.0	10.4	19.4	24.6	27.2	27.2	28.2	27.7	32.0	36.9	41.8
-57.5°	0.0	9.7	18.8	23.6	27.2	27.2	27.6	27.3	29.3	34.0	38.5
-60°	0.0	9.0	18.1	22.6	27.1	27.2	27.2	27.2	27.2	31.0	35.2
-62.5°	0.0	8.4	16.7	21.6	25.7	27.2	27.2	27.2	27.2	27.8	31.8
-65°	0.0	7.6	15.3	20.5	24.3	27.2	27.2	27.1	27.2	27.2	28.3
-67.5°	0.0	6.9	13.8	19.4	22.9	26.3	27.2	26.8	27.2	27.2	27.2
-70°	0.0	6.2	12.4	18.3	21.4	24.5	27.2	26.3	26.1	27.2	27.2
-72.5°	0.0	5.4	10.9	16.3	19.9	22.6	25.2	25.7	24.8	25.1	26.6
-75°	0.0	4.7	9.4	14.0	18.4	20.7	23.0	23.9	23.3	22.7	23.1
-77.5°	0.0	3.9	7.8	11.7	15.6	18.8	20.7	21.6	21.6	20.5	19.4
-80°	0.0	3.1	6.3	9.4	12.5	15.6	18.4	19.5	19.8	19.4	18.3
-82.5°	0.0	2.4	4.7	7.1	9.4	11.7	14.0	16.3	18.2	18.5	18.1
-85°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
-87.5°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.4	6.2	6.9	7.6
-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-LS16-1200L-57-80-3L-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°	8.4	9.0	9.7	10.4	11.0	11.6	12.2	12.8	13.3	13.9	14.4
85°	16.7	18.1	18.3	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
82.5°	20.8	20.5	19.6	18.3	18.1	18.1	18.3	19.2	19.6	19.5	19.0
80°	24.1	23.0	21.6	21.0	22.0	23.2	24.4	25.6	24.9	23.3	21.8
77.5°	26.0	25.1	25.1	25.9	27.2	27.2	27.2	27.2	26.7	26.5	26.9
75°	26.8	27.1	27.8	27.6	27.2	27.2	27.5	29.2	30.3	30.3	29.5
72.5°	28.7	29.8	29.6	28.3	29.2	31.4	33.5	35.5	35.5	35.1	36.5
70°	32.4	32.8	32.2	32.7	34.5	36.3	36.3	36.3	36.7	40.4	45.3
67.5°	35.7	34.7	35.0	36.4	36.3	36.3	36.3	40.8	46.4	51.6	55.0
65°	36.2	36.0	37.4	37.7	36.5	39.7	44.7	51.1	56.6	59.5	62.0
62.5°	36.3	38.7	40.0	40.0	41.4	45.8	53.0	58.9	63.1	68.7	74.3
60°	39.4	42.3	42.6	43.4	46.9	54.8	61.9	67.6	74.4	81.8	87.9
57.5°	43.0	44.6	44.5	48.6	56.9	64.3	69.4	76.3	86.3	94.7	102.1
55°	45.5	45.2	48.6	57.7	65.1	69.5	77.4	89.8	100.0	111.6	120.9
52.5°	46.5	47.2	56.9	65.1	69.9	78.7	92.3	106.4	120.4	133.1	146.2
50°	48.0	54.9	64.2	69.5	79.3	94.9	110.5	127.5	146.0	162.2	182.6
47.5°	52.9	61.8	68.2	76.7	95.6	114.3	132.6	156.3	177.7	205.6	235.3
45°	58.3	66.8	72.6	92.6	114.0	136.4	163.1	189.8	220.7	256.0	303.5
42.5°	63.0	71.6	86.8	108.8	135.5	164.7	196.4	230.2	267.1	318.1	379.4
40°	67.8	77.1	103.0	129.8	159.3	196.5	236.2	275.2	322.3	389.7	463.4
37.5°	72.9	92.1	120.2	151.3	189.1	232.7	277.8	331.6	394.0	467.0	546.8
35°	78.3	107.0	139.9	177.2	221.0	272.7	329.8	395.1	477.0	551.6	625.7
32.5°	88.6	121.9	159.5	207.0	259.4	316.7	382.0	475.0	562.5	640.7	694.7
30°	101.4	139.1	181.2	237.2	297.8	368.7	453.0	555.5	647.4	723.4	780.8
27.5°	113.4	156.0	208.1	270.3	337.9	422.9	536.6	635.8	729.3	814.1	885.9
25°	124.6	172.3	234.7	303.5	387.0	493.9	625.5	745.2	821.2	927.7	1123.9
22.5°	136.5	188.7	258.8	335.5	436.7	571.3	730.1	884.9	1011.7	1098.8	1470.5
20°	149.5	208.9	283.7	371.6	488.4	648.9	846.3	1054.8	1272.9	1652.5	2542.5
17.5°	162.0	227.4	310.5	419.1	566.4	753.8	976.4	1250.4	1586.1	2353.2	4373.1
15°	173.9	244.1	337.2	467.9	654.0	904.5	1209.1	1549.6	2093.3	3426.1	6590.1
12.5°	185.0	258.9	363.2	517.0	745.8	1069.9	1492.5	2054.4	2989.3	5257.1	10921.3
10°	195.1	271.9	388.0	565.1	839.3	1244.2	1801.1	2632.8	4048.5	7282.1	15271.8
7.5°	201.4	281.0	411.7	610.9	931.2	1421.0	2122.6	3256.7	5138.3	9197.3	19451.8
5°	205.5	286.1	437.5	677.9	1058.5	1627.1	2462.6	3895.5	6217.8	10958.4	23308.0
2.5°	207.9	289.2	461.0	745.7	1205.8	1874.9	2869.4	4587.5	7246.3	12626.0	26404.9
0°	208.6	290.2	480.7	807.2	1342.3	2104.1	3246.9	5224.1	8171.7	14103.1	28560.0
-2.5°	222.0	323.0	521.3	852.9	1412.9	2248.6	3520.5	5719.9	9191.9	15762.6	30195.9
-5°	233.3	352.2	555.9	888.2	1462.9	2356.6	3732.2	6098.4	9940.3	16823.7	30670.5
-7.5°	242.3	376.4	584.1	906.8	1469.1	2373.3	3784.8	6178.5	10144.4	17017.0	29937.3
-10°	247.2	381.2	570.4	874.3	1417.7	2312.5	3731.8	6100.9	10047.3	16694.6	28388.5
-12.5°	242.5	369.7	545.8	830.3	1341.0	2200.9	3582.3	5849.4	9610.6	15811.6	25904.8
-15°	234.5	355.4	517.5	774.3	1237.9	2034.7	3327.4	5409.3	8715.2	13937.1	21864.0
-17.5°	223.2	338.5	485.9	706.2	1107.5	1810.6	2934.4	4670.9	7570.9	12229.3	19225.1
-20°	208.2	319.1	451.6	625.9	962.9	1558.2	2520.9	4063.9	6560.2	10481.4	16255.8



REPORT NUMBER: P1306491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-3L-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	189.4	297.5	419.5	573.2	840.2	1315.1	2102.4	3356.8	5345.1	8416.0	13373.8
-25°	170.8	275.5	391.4	514.8	711.9	1057.2	1647.9	2601.9	4259.4	6922.3	10906.5
-27.5°	153.7	248.6	352.0	456.5	586.2	821.5	1300.6	2077.2	3325.4	5261.8	8270.2
-30°	134.6	214.1	312.2	402.0	508.2	682.7	993.5	1523.8	2404.6	3967.6	6291.6
-32.5°	113.5	179.5	272.0	357.0	444.5	550.8	729.1	1138.2	1775.9	2724.0	4413.3
-35°	96.8	154.6	231.8	312.4	384.0	465.5	595.8	811.2	1197.4	1901.9	3044.9
-37.5°	88.8	128.2	191.6	268.3	336.1	402.7	466.4	610.1	853.4	1212.3	2058.9
-40°	80.4	100.5	158.7	224.8	291.4	348.2	403.6	466.6	595.1	874.5	1268.4
-42.5°	71.9	90.4	127.1	181.5	245.1	303.3	346.5	388.8	449.9	586.6	857.9
-45°	65.7	80.3	97.9	145.5	195.5	256.5	303.4	334.6	368.3	416.1	548.8
-47.5°	59.3	70.7	86.7	110.9	153.4	200.5	258.1	295.6	319.1	342.8	358.9
-50°	53.5	63.5	75.7	93.3	119.0	153.0	195.4	249.6	283.5	300.1	313.9
-52.5°	50.1	56.0	67.0	81.0	97.4	120.0	147.0	181.8	230.6	269.3	281.3
-55°	46.6	51.4	58.1	69.8	83.8	98.9	115.1	137.7	157.9	201.2	241.4
-57.5°	43.0	47.4	51.8	58.6	70.5	83.8	95.6	106.9	124.7	141.6	163.8
-60°	39.4	43.4	47.4	51.4	56.7	68.4	79.1	89.3	99.4	109.2	124.6
-62.5°	35.6	39.4	43.0	46.6	50.1	54.9	64.5	73.6	80.9	89.4	97.8
-65°	31.8	35.2	38.5	41.8	45.0	48.7	53.8	60.2	68.0	73.6	78.6
-67.5°	27.8	31.0	34.0	36.9	39.6	41.8	45.2	49.8	55.4	60.2	64.8
-70°	27.2	27.2	29.3	32.0	34.0	34.3	36.0	38.7	42.5	46.7	50.7
-72.5°	27.2	27.2	27.2	27.2	29.0	29.8	29.6	28.3	30.4	35.4	39.3
-75°	24.9	27.0	27.2	27.2	26.7	26.6	27.3	27.4	27.7	29.3	31.6
-77.5°	20.8	22.5	24.2	25.9	25.6	24.0	23.3	23.1	24.2	25.5	26.8
-80°	18.1	18.1	19.4	20.7	21.2	20.9	20.0	18.4	18.1	18.6	19.6
-82.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.2	18.1	18.1	18.1	18.1
-85°	16.7	18.1	18.1	18.1	18.1	18.1	18.1	18.1	17.0	16.0	15.3
-87.5°	8.4	9.0	9.7	10.4	11.0	11.6	12.2	12.8	11.7	10.4	9.0
-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: P1306491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-3L-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°	14.8	13.4	11.8	10.1	8.3	8.4	8.6	8.7	8.8	6.7	4.5
85°	18.1	17.4	16.9	16.6	16.4	14.9	13.1	11.2	9.1	9.0	9.0
82.5°	18.2	18.1	18.1	18.1	18.1	17.6	17.3	17.2	17.2	17.5	17.7
80°	20.8	21.5	22.3	23.1	23.8	24.4	25.0	25.5	25.9	26.3	26.6
77.5°	27.3	27.6	28.5	29.9	31.7	32.8	33.5	34.2	34.7	35.2	35.6
75°	28.0	29.4	33.6	37.0	39.7	41.1	42.0	42.7	43.4	44.0	44.5
72.5°	39.5	43.2	45.6	47.0	48.3	49.4	50.4	51.4	52.2	52.8	53.4
70°	49.2	51.7	53.4	55.0	56.4	58.2	60.7	63.6	66.8	69.0	70.3
67.5°	57.2	59.2	61.2	62.9	65.6	69.2	73.1	76.1	78.4	80.6	83.6
65°	65.3	69.9	74.1	78.1	81.8	85.1	88.1	90.8	93.2	95.5	97.4
62.5°	79.6	84.7	89.4	93.8	97.9	102.5	107.6	112.1	116.0	120.0	124.8
60°	93.8	99.4	104.9	111.3	118.6	126.7	135.4	144.8	154.8	165.0	173.7
57.5°	109.8	115.4	121.8	134.9	147.2	158.8	177.9	205.2	234.9	268.0	326.0
55°	130.5	141.3	151.2	173.9	200.0	225.6	257.8	313.2	375.3	442.0	585.6
52.5°	158.8	183.5	207.8	238.0	281.2	324.6	371.8	454.1	541.3	631.2	813.0
50°	212.3	244.7	285.3	328.0	380.4	433.9	487.2	577.5	667.6	755.4	920.1
47.5°	279.0	324.6	374.6	421.4	479.7	532.6	578.9	650.6	727.7	793.9	900.3
45°	355.7	415.6	469.6	518.1	570.6	615.7	651.2	691.8	750.0	789.9	835.8
42.5°	445.8	505.8	561.3	607.4	648.9	689.5	723.0	751.4	794.9	835.4	871.0
40°	531.6	590.1	639.9	685.8	725.3	764.7	820.2	868.0	920.1	990.9	1060.6
37.5°	613.4	664.7	711.4	756.9	817.1	885.2	951.4	1029.2	1117.5	1244.9	1372.7
35°	685.9	734.6	779.8	844.6	925.0	1005.4	1105.4	1251.5	1390.0	1548.0	1707.0
32.5°	750.9	807.6	872.0	954.3	1057.7	1251.3	1339.7	1544.6	1668.1	1866.5	2091.4
30°	817.9	912.9	1121.4	1244.3	1510.7	1876.3	1917.5	2128.0	2389.1	2560.1	3048.9
27.5°	999.8	1257.2	1738.4	2614.8	2795.1	3321.7	3932.7	3670.3	4829.6	4662.5	6307.8
25°	1488.3	2064.9	3935.3	5627.2	6406.2	7078.4	8585.0	9046.2	11135.1	12455.2	12803.7
22.5°	2609.5	5117.2	7824.9	10213.2	12417.8	14218.4	16158.3	19020.1	20304.0	20953.0	21517.5
20°	4699.0	9284.8	13414.6	16837.9	19989.1	23006.4	26564.5	28687.9	30035.2	32817.3	35689.8
17.5°	9118.9	14745.3	19805.4	24097.4	28248.8	32937.4	35918.1	38333.0	41984.5	46965.1	52637.5
15°	14255.4	20900.2	26526.0	31699.1	36983.0	41532.3	44430.0	48172.9	54064.6	61775.7	71471.9
12.5°	19683.6	27044.9	33117.7	38853.7	45357.9	48450.1	51738.1	57206.5	65409.2	76550.8	96331.4
10°	25040.5	32826.1	39315.3	45433.1	50716.8	53863.0	57603.4	64091.5	76881.5	97500.7	126542.4
7.5°	30311.2	38582.9	45069.1	50973.7	54879.1	57665.5	62394.6	71669.2	89439.0	117964.3	162871.8
5°	35367.9	44026.8	50175.1	55252.8	57970.5	60633.0	66045.5	77994.8	102442.0	141378.9	218322.7
2.5°	39760.9	48996.1	54620.3	58705.6	60514.9	63057.8	69088.0	82634.8	111357.6	159941.9	281132.4
0°	43143.8	53347.0	58425.9	61636.6	62924.4	65373.2	71486.1	85679.9	115981.2	166226.5	287975.9
-2.5°	45603.9	56820.6	61795.4	64571.5	65728.1	67805.3	73549.0	86558.9	114941.4	162403.0	268056.3
-5°	46681.9	58956.5	64708.1	67620.3	68987.6	70811.0	75643.0	86999.2	110399.1	146959.4	214025.6
-7.5°	46299.4	59951.7	67228.7	70570.9	72261.3	74066.6	77956.9	86458.3	103131.6	129693.9	171153.3
-10°	44529.3	59882.3	69221.2	73286.3	75716.8	77577.4	80203.7	85257.9	95976.6	115236.0	139491.5
-12.5°	41313.3	58341.0	70683.5	75610.8	78754.4	80997.4	83464.0	87211.1	93206.1	102292.6	119924.0
-15°	37044.9	54650.7	68931.6	76581.0	80742.1	84076.5	86777.6	89178.1	93121.7	98780.6	106705.3
-17.5°	31867.6	48704.6	64846.3	76669.9	81911.7	85895.7	88851.9	91698.8	94182.8	97907.9	101589.9
-20°	25185.7	41316.4	58608.0	72312.2	80997.1	85913.9	89792.9	92577.8	95131.4	97499.9	99961.7



REPORT NUMBER: P1306491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-3L-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20656.7	33211.3	49250.8	65903.1	76685.4	83780.1	88584.3	91586.6	94414.3	96146.0	98047.2
-25°	16594.6	24626.8	39035.8	54241.0	68536.0	78444.6	84837.4	88908.6	91439.6	93450.7	94884.9
-27.5°	12975.3	19564.0	28408.7	42279.9	56059.4	68195.0	76820.0	84311.8	86938.9	89427.7	90707.6
-30°	9468.7	14637.3	21673.8	30238.5	42098.0	53086.2	63628.6	72018.6	78587.3	83420.8	85247.5
-32.5°	6978.3	10296.3	15602.5	22135.2	28423.5	37956.7	47100.5	55713.0	63635.9	70132.4	74757.4
-35°	4759.9	7231.6	10196.7	15171.9	20087.4	25453.8	31278.4	38706.2	44941.2	52077.7	58199.3
-37.5°	3217.9	4815.6	7075.3	9770.0	13656.9	17309.6	21283.2	25230.1	28883.9	34649.3	39729.4
-40°	2100.2	3105.6	4688.7	6537.0	9025.6	11369.7	14319.5	16838.8	19487.8	22613.4	25288.1
-42.5°	1248.2	1986.2	2888.6	4227.1	5726.6	7362.0	9287.7	11095.4	12893.9	14771.6	16445.7
-45°	760.0	1163.4	1689.9	2529.7	3362.2	4523.1	5666.7	6716.6	8074.7	9274.6	10251.2
-47.5°	485.8	633.9	962.2	1372.4	1861.1	2567.7	3257.1	3955.9	4812.7	5577.7	6187.2
-50°	338.2	399.7	534.1	671.1	965.9	1309.3	1640.9	2069.8	2587.0	3057.3	3428.3
-52.5°	291.6	313.5	340.3	390.9	511.5	630.8	748.0	991.1	1238.6	1460.5	1634.8
-55°	262.5	270.9	278.4	301.3	329.4	358.3	399.6	492.2	581.5	665.6	726.5
-57.5°	198.3	227.7	247.7	257.0	266.8	277.0	296.9	320.9	341.6	358.6	368.7
-60°	139.3	153.1	178.7	202.1	221.4	236.5	249.3	262.6	275.0	284.0	283.9
-62.5°	105.8	116.4	130.0	143.5	156.1	170.6	187.2	203.1	218.3	229.4	233.0
-65°	84.4	91.2	98.9	107.3	116.3	126.7	135.2	143.6	151.7	157.7	160.5
-67.5°	69.1	73.1	76.9	80.5	85.7	91.8	97.2	102.0	106.2	109.7	112.7
-70°	54.5	58.2	61.5	64.7	67.5	70.2	72.5	74.6	76.5	78.0	79.3
-72.5°	42.3	44.2	46.0	48.7	51.2	53.5	55.6	57.4	59.0	60.4	61.5
-75°	34.6	36.7	37.9	39.1	40.1	41.1	42.0	42.7	43.4	44.0	44.5
-77.5°	27.9	27.7	27.4	27.5	27.9	29.3	30.7	32.0	33.2	34.1	34.9
-80°	20.6	20.7	20.4	19.5	18.3	17.5	17.1	16.9	16.9	17.2	17.5
-82.5°	18.1	17.1	16.4	15.9	15.6	14.4	12.9	11.1	9.2	8.9	8.9
-85°	14.9	13.8	12.5	10.9	9.2	9.1	9.1	9.1	9.1	6.9	4.6
-87.5°	7.5	7.7	7.9	8.1	8.2	8.4	8.6	8.7	8.8	6.7	4.5
-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: P1306491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-3L-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°	2.3	0.0	0.0	0.0	0.0	0.0	2.3	4.5	6.7	8.8	8.7
85°	9.0	9.0	9.1	9.1	9.1	9.0	9.0	9.0	9.0	9.1	11.2
82.5°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.7	17.5	17.2	17.2
80°	26.9	27.1	27.2	27.2	27.2	27.1	26.9	26.6	26.3	25.9	25.5
77.5°	35.9	36.1	36.3	36.3	36.3	36.1	35.9	35.6	35.2	34.7	34.2
75°	44.8	45.1	45.2	45.3	45.2	45.1	44.8	44.5	44.0	43.4	42.7
72.5°	53.8	54.1	54.3	54.4	54.3	54.1	53.8	53.4	52.8	52.2	51.4
70°	71.3	72.0	72.5	72.6	72.5	72.0	71.3	70.3	69.0	66.8	63.6
67.5°	86.6	89.7	90.5	90.7	90.5	89.7	86.6	83.6	80.6	78.4	76.1
65°	98.7	99.4	99.7	99.8	99.7	99.4	98.7	97.4	95.5	93.2	90.8
62.5°	129.5	133.8	135.6	136.0	135.6	133.8	129.5	124.8	120.0	116.0	112.1
60°	181.0	187.1	193.6	199.5	193.6	187.1	181.0	173.7	165.0	154.8	144.8
57.5°	390.6	457.3	511.2	553.2	511.2	457.3	390.6	326.0	268.0	234.9	205.2
55°	745.1	909.3	1026.6	1106.5	1026.6	909.3	745.1	585.6	442.0	375.3	313.2
52.5°	1022.4	1232.9	1371.1	1451.1	1371.1	1232.9	1022.4	813.0	631.2	541.3	454.1
50°	1127.9	1333.6	1462.9	1523.7	1462.9	1333.6	1127.9	920.1	755.4	667.6	577.5
47.5°	1049.0	1188.2	1287.3	1351.4	1287.3	1188.2	1049.0	900.3	793.9	727.7	650.6
45°	915.2	981.3	1023.1	1043.0	1023.1	981.3	915.2	835.8	789.9	750.0	691.8
42.5°	929.8	974.2	998.0	997.6	998.0	974.2	929.8	871.0	835.4	794.9	751.4
40°	1147.1	1226.2	1282.3	1296.9	1282.3	1226.2	1147.1	1060.6	990.9	920.1	868.0
37.5°	1480.8	1557.8	1603.6	1605.3	1603.6	1557.8	1480.8	1372.7	1244.9	1117.5	1029.2
35°	1838.7	1932.2	1997.5	1986.2	1997.5	1932.2	1838.7	1707.0	1548.0	1390.0	1251.5
32.5°	2235.9	2346.4	2425.1	2439.7	2425.1	2346.4	2235.9	2091.4	1866.5	1668.1	1544.6
30°	3247.8	3422.8	3469.4	3455.5	3469.4	3422.8	3247.8	3048.9	2560.1	2389.1	2128.0
27.5°	6988.3	7306.8	7168.3	7228.4	7168.3	7306.8	6988.3	6307.8	4662.5	4829.6	3670.3
25°	12652.1	12127.5	11466.4	10974.1	11466.4	12127.5	12652.1	12803.7	12455.2	11135.1	9046.2
22.5°	23120.5	23891.1	24483.0	24533.1	24483.0	23891.1	23120.5	21517.5	20953.0	20304.0	19020.1
20°	39452.2	42113.0	44037.3	44984.9	44037.3	42113.0	39452.2	35689.8	32817.3	30035.2	28687.9
17.5°	59589.7	65765.3	69603.0	72075.6	69603.0	65765.3	59589.7	52637.5	46965.1	41984.5	38333.0
15°	84411.7	96969.9	104097.1	105134.1	104097.1	96969.9	84411.7	71471.9	61775.7	54064.6	48172.9
12.5°	116498.0	138320.4	155089.6	160263.3	155089.6	138320.4	116498.0	96331.4	76550.8	65409.2	57206.5
10°	163228.4	216282.6	290118.2	306994.7	290118.2	216282.6	163228.4	126542.4	97500.7	76881.5	64091.5
7.5°	267032.3	465055.2	674904.3	726084.4	674904.3	465055.2	267032.3	162871.8	117964.3	89439.0	71669.2
5°	446587.3	813931.6	987940.5	#####	987940.5	813931.6	446587.3	218322.7	141378.9	102442.0	77994.8
2.5°	612311.6	936926.0	#####	#####	#####	936926.0	612311.6	281132.4	159941.9	111357.6	82634.8
0°	616433.7	909710.7	#####	#####	#####	909710.7	616433.7	287975.9	166226.5	115981.2	85679.9
-2.5°	504020.4	762183.4	928880.4	988647.4	928880.4	762183.4	504020.4	268056.3	162403.0	114941.4	86558.9
-5°	339477.9	538037.7	684701.7	748300.2	684701.7	538037.7	339477.9	214025.6	146959.4	110399.1	86999.2
-7.5°	234490.8	324677.2	425219.3	452919.0	425219.3	324677.2	234490.8	171153.3	129693.9	103131.6	86458.3
-10°	172909.8	207044.6	242497.8	250446.2	242497.8	207044.6	172909.8	139491.5	115236.0	95976.6	85257.9
-12.5°	137360.9	155866.6	171451.9	173840.3	171451.9	155866.6	137360.9	119924.0	102292.6	93206.1	87211.1
-15°	117617.1	127995.7	134863.9	138836.4	134863.9	127995.7	117617.1	106705.3	98780.6	93121.7	89178.1
-17.5°	107329.8	112088.6	115397.8	117913.0	115397.8	112088.6	107329.8	101589.9	97907.9	94182.8	91698.8
-20°	102668.2	105123.0	107494.5	109224.4	107494.5	105123.0	102668.2	99961.7	97499.9	95131.4	92577.8



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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°	99644.0	101334.7	102811.1	104453.8	102811.1	101334.7	99644.0	98047.2	96146.0	94414.3	91586.6
-25°	96055.1	97327.7	98441.3	99556.3	98441.3	97327.7	96055.1	94884.9	93450.7	91439.6	88908.6
-27.5°	91647.8	92542.1	93198.5	93987.6	93198.5	92542.1	91647.8	90707.6	89427.7	86938.9	84311.8
-30°	86542.9	87415.1	87835.7	88491.5	87835.7	87415.1	86542.9	85247.5	83420.8	78587.3	72018.6
-32.5°	78069.3	80179.4	81497.2	82696.0	81497.2	80179.4	78069.3	74757.4	70132.4	63635.9	55713.0
-35°	62417.2	64851.3	66335.6	67894.5	66335.6	64851.3	62417.2	58199.3	52077.7	44941.2	38706.2
-37.5°	43062.7	44864.1	45857.1	46989.3	45857.1	44864.1	43062.7	39729.4	34649.3	28883.9	25230.1
-40°	26944.7	28000.2	28489.6	28369.5	28489.6	28000.2	26944.7	25288.1	22613.4	19487.8	16838.8
-42.5°	17575.3	18303.5	18841.7	19399.7	18841.7	18303.5	17575.3	16445.7	14771.6	12893.9	11095.4
-45°	11056.6	11693.3	12072.2	12135.0	12072.2	11693.3	11056.6	10251.2	9274.6	8074.7	6716.6
-47.5°	6617.7	6925.8	7186.8	7409.8	7186.8	6925.8	6617.7	6187.2	5577.7	4812.7	3955.9
-50°	3699.3	3892.1	4050.6	4172.0	4050.6	3892.1	3699.3	3428.3	3057.3	2587.0	2069.8
-52.5°	1773.2	1878.4	1963.4	2022.5	1963.4	1878.4	1773.2	1634.8	1460.5	1238.6	991.1
-55°	773.5	807.3	834.5	852.5	834.5	807.3	773.5	726.5	665.6	581.5	492.2
-57.5°	377.3	384.1	381.2	371.9	381.2	384.1	377.3	368.7	358.6	341.6	320.9
-60°	282.7	280.3	280.6	281.2	280.6	280.3	282.7	283.9	284.0	275.0	262.6
-62.5°	234.3	233.6	235.0	235.8	235.0	233.6	234.3	233.0	229.4	218.3	203.1
-65°	161.8	161.9	162.8	163.3	162.8	161.9	161.8	160.5	157.7	151.7	143.6
-67.5°	115.0	116.6	117.6	117.9	117.6	116.6	115.0	112.7	109.7	106.2	102.0
-70°	80.3	81.0	85.7	90.7	85.7	81.0	80.3	79.3	78.0	76.5	74.6
-72.5°	62.4	63.0	63.4	63.5	63.4	63.0	62.4	61.5	60.4	59.0	57.4
-75°	44.8	45.1	45.2	45.3	45.2	45.1	44.8	44.5	44.0	43.4	42.7
-77.5°	35.5	35.9	36.2	36.3	36.2	35.9	35.5	34.9	34.1	33.2	32.0
-80°	17.8	18.0	22.5	27.2	22.5	18.0	17.8	17.5	17.2	16.9	16.9
-82.5°	8.9	9.0	9.1	9.1	9.1	9.0	8.9	8.9	8.9	9.2	11.1
-85°	2.3	0.0	0.0	0.0	0.0	0.0	2.3	4.6	6.9	9.1	9.1
-87.5°	2.3	0.0	0.0	0.0	0.0	0.0	2.3	4.5	6.7	8.8	8.7
-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):**

	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°	8.6	8.4	8.3	10.1	11.8	13.4	14.8	14.4	13.9	13.3	12.8
85°	13.1	14.9	16.4	16.6	16.9	17.4	18.1	18.1	18.1	18.1	18.1
82.5°	17.3	17.6	18.1	18.1	18.1	18.1	18.2	19.0	19.5	19.6	19.2
80°	25.0	24.4	23.8	23.1	22.3	21.5	20.8	21.8	23.3	24.9	25.6
77.5°	33.5	32.8	31.7	29.9	28.5	27.6	27.3	26.9	26.5	26.7	27.2
75°	42.0	41.1	39.7	37.0	33.6	29.4	28.0	29.5	30.3	30.3	29.2
72.5°	50.4	49.4	48.3	47.0	45.6	43.2	39.5	36.5	35.1	35.5	35.5
70°	60.7	58.2	56.4	55.0	53.4	51.7	49.2	45.3	40.4	36.7	36.3
67.5°	73.1	69.2	65.6	62.9	61.2	59.2	57.2	55.0	51.6	46.4	40.8
65°	88.1	85.1	81.8	78.1	74.1	69.9	65.3	62.0	59.5	56.6	51.1
62.5°	107.6	102.5	97.9	93.8	89.4	84.7	79.6	74.3	68.7	63.1	58.9
60°	135.4	126.7	118.6	111.3	104.9	99.4	93.8	87.9	81.8	74.4	67.6
57.5°	177.9	158.8	147.2	134.9	121.8	115.4	109.8	102.1	94.7	86.3	76.3
55°	257.8	225.6	200.0	173.9	151.2	141.3	130.5	120.9	111.6	100.0	89.8
52.5°	371.8	324.6	281.2	238.0	207.8	183.5	158.8	146.2	133.1	120.4	106.4
50°	487.2	433.9	380.4	328.0	285.3	244.7	212.3	182.6	162.2	146.0	127.5
47.5°	578.9	532.6	479.7	421.4	374.6	324.6	279.0	235.3	205.6	177.7	156.3
45°	651.2	615.7	570.6	518.1	469.6	415.6	355.7	303.5	256.0	220.7	189.8
42.5°	723.0	689.5	648.9	607.4	561.3	505.8	445.8	379.4	318.1	267.1	230.2
40°	820.2	764.7	725.3	685.8	639.9	590.1	531.6	463.4	389.7	322.3	275.2
37.5°	951.4	885.2	817.1	756.9	711.4	664.7	613.4	546.8	467.0	394.0	331.6
35°	1105.4	1005.4	925.0	844.6	779.8	734.6	685.9	625.7	551.6	477.0	395.1
32.5°	1339.7	1251.3	1057.7	954.3	872.0	807.6	750.9	694.7	640.7	562.5	475.0
30°	1917.5	1876.3	1510.7	1244.3	1121.4	912.9	817.9	780.8	723.4	647.4	555.5
27.5°	3932.7	3321.7	2795.1	2614.8	1738.4	1257.2	999.8	885.9	814.1	729.3	635.8
25°	8585.0	7078.4	6406.2	5627.2	3935.3	2064.9	1488.3	1123.9	927.7	821.2	745.2
22.5°	16158.3	14218.4	12417.8	10213.2	7824.9	5117.2	2609.5	1470.5	1098.8	1011.7	884.9
20°	26564.5	23006.4	19989.1	16837.9	13414.6	9284.8	4699.0	2542.5	1652.5	1272.9	1054.8
17.5°	35918.1	32937.4	28248.8	24097.4	19805.4	14745.3	9118.9	4373.1	2353.2	1586.1	1250.4
15°	44430.0	41532.3	36983.0	31699.1	26526.0	20900.2	14255.4	6590.1	3426.1	2093.3	1549.6
12.5°	51738.1	48450.1	45357.9	38853.7	33117.7	27044.9	19683.6	10921.3	5257.1	2989.3	2054.4
10°	57603.4	53863.0	50716.8	45433.1	39315.3	32826.1	25040.5	15271.8	7282.1	4048.5	2632.8
7.5°	62394.6	57665.5	54879.1	50973.7	45069.1	38582.9	30311.2	19451.8	9197.3	5138.3	3256.7
5°	66045.5	60633.0	57970.5	55252.8	50175.1	44026.8	35367.9	23308.0	10958.4	6217.8	3895.5
2.5°	69088.0	63057.8	60514.9	58705.6	54620.3	48996.1	39760.9	26404.9	12626.0	7246.3	4587.5
0°	<b>71486.1</b>	<b>65373.2</b>	<b>62924.4</b>	<b>61636.6</b>	<b>58425.9</b>	<b>53347.0</b>	<b>43143.8</b>	<b>28560.0</b>	<b>14103.1</b>	<b>8171.7</b>	<b>5224.1</b>
-2.5°	73549.0	67805.3	65728.1	64571.5	61795.4	56820.6	45603.9	30195.9	15762.6	9191.9	5719.9
-5°	75643.0	70811.0	68987.6	67620.3	64708.1	58956.5	46681.9	30670.5	16823.7	9940.3	6098.4
-7.5°	77956.9	74066.6	72261.3	70570.9	67228.7	59951.7	46299.4	29937.3	17017.0	10144.4	6178.5
-10°	80203.7	77577.4	75716.8	73286.3	69221.2	59882.3	44529.3	28388.5	16694.6	10047.3	6100.9
-12.5°	83464.0	80997.4	78754.4	75610.8	70683.5	58341.0	41313.3	25904.8	15811.6	9610.6	5849.4
-15°	86777.6	84076.5	80742.1	76581.0	68931.6	54650.7	37044.9	21864.0	13937.1	8715.2	5409.3
-17.5°	88851.9	85895.7	81911.7	76669.9	64846.3	48704.6	31867.6	19225.1	12229.3	7570.9	4670.9
-20°	89792.9	85913.9	80997.1	72312.2	58608.0	41316.4	25185.7	16255.8	10481.4	6560.2	4063.9



REPORT NUMBER: P1306491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-3L-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	88584.3	83780.1	76685.4	65903.1	49250.8	33211.3	20656.7	13373.8	8416.0	5345.1	3356.8
-25°	84837.4	78444.6	68536.0	54241.0	39035.8	24626.8	16594.6	10906.5	6922.3	4259.4	2601.9
-27.5°	76820.0	68195.0	56059.4	42279.9	28408.7	19564.0	12975.3	8270.2	5261.8	3325.4	2077.2
-30°	63628.6	53086.2	42098.0	30238.5	21673.8	14637.3	9468.7	6291.6	3967.6	2404.6	1523.8
-32.5°	47100.5	37956.7	28423.5	22135.2	15602.5	10296.3	6978.3	4413.3	2724.0	1775.9	1138.2
-35°	31278.4	25453.8	20087.4	15171.9	10196.7	7231.6	4759.9	3044.9	1901.9	1197.4	811.2
-37.5°	21283.2	17309.6	13656.9	9770.0	7075.3	4815.6	3217.9	2058.9	1212.3	853.4	610.1
-40°	14319.5	11369.7	9025.6	6537.0	4688.7	3105.6	2100.2	1268.4	874.5	595.1	466.6
-42.5°	9287.7	7362.0	5726.6	4227.1	2888.6	1986.2	1248.2	857.9	586.6	449.9	388.8
-45°	5666.7	4523.1	3362.2	2529.7	1689.9	1163.4	760.0	548.8	416.1	368.3	334.6
-47.5°	3257.1	2567.7	1861.1	1372.4	962.2	633.9	485.8	358.9	342.8	319.1	295.6
-50°	1640.9	1309.3	965.9	671.1	534.1	399.7	338.2	313.9	300.1	283.5	249.6
-52.5°	748.0	630.8	511.5	390.9	340.3	313.5	291.6	281.3	269.3	230.6	181.8
-55°	399.6	358.3	329.4	301.3	278.4	270.9	262.5	241.4	201.2	157.9	137.7
-57.5°	296.9	277.0	266.8	257.0	247.7	227.7	198.3	163.8	141.6	124.7	106.9
-60°	249.3	236.5	221.4	202.1	178.7	153.1	139.3	124.6	109.2	99.4	89.3
-62.5°	187.2	170.6	156.1	143.5	130.0	116.4	105.8	97.8	89.4	80.9	73.6
-65°	135.2	126.7	116.3	107.3	98.9	91.2	84.4	78.6	73.6	68.0	60.2
-67.5°	97.2	91.8	85.7	80.5	76.9	73.1	69.1	64.8	60.2	55.4	49.8
-70°	72.5	70.2	67.5	64.7	61.5	58.2	54.5	50.7	46.7	42.5	38.7
-72.5°	55.6	53.5	51.2	48.7	46.0	44.2	42.3	39.3	35.4	30.4	28.3
-75°	42.0	41.1	40.1	39.1	37.9	36.7	34.6	31.6	29.3	27.7	27.4
-77.5°	30.7	29.3	27.9	27.5	27.4	27.7	27.9	26.8	25.5	24.2	23.1
-80°	17.1	17.5	18.3	19.5	20.4	20.7	20.6	19.6	18.6	18.1	18.4
-82.5°	12.9	14.4	15.6	15.9	16.4	17.1	18.1	18.1	18.1	18.1	18.1
-85°	9.1	9.1	9.2	10.9	12.5	13.8	14.9	15.3	16.0	17.0	18.1
-87.5°	8.6	8.4	8.2	8.1	7.9	7.7	7.5	9.0	10.4	11.7	12.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-80-3L-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°	12.2	11.6	11.0	10.4	9.7	9.0	8.4	7.6	6.9	6.2	5.4
85°	18.1	18.1	18.1	18.1	18.3	18.1	16.7	15.3	13.8	12.4	10.9
82.5°	18.3	18.1	18.1	18.3	19.6	20.5	20.8	20.5	19.4	18.3	16.3
80°	24.4	23.2	22.0	21.0	21.6	23.0	24.1	24.3	22.9	21.4	19.9
77.5°	27.2	27.2	27.2	25.9	25.1	25.1	26.0	27.2	26.3	24.5	22.6
75°	27.5	27.2	27.2	27.6	27.8	27.1	26.8	27.2	27.2	27.2	25.2
72.5°	33.5	31.4	29.2	28.3	29.6	29.8	28.7	27.2	27.2	27.2	27.2
70°	36.3	36.3	34.5	32.7	32.2	32.8	32.4	30.2	27.3	27.2	27.2
67.5°	36.3	36.3	36.3	36.4	35.0	34.7	35.7	33.8	30.6	27.3	27.2
65°	44.7	39.7	36.5	37.7	37.4	36.0	36.2	36.3	33.8	30.2	27.2
62.5°	53.0	45.8	41.4	40.0	40.0	38.7	36.3	36.3	36.3	33.0	29.0
60°	61.9	54.8	46.9	43.4	42.6	42.3	39.4	36.3	36.3	35.7	31.4
57.5°	69.4	64.3	56.9	48.6	44.5	44.6	43.0	38.5	36.3	36.3	33.7
55°	77.4	69.5	65.1	57.7	48.6	45.2	45.5	41.8	36.9	36.3	36.1
52.5°	92.3	78.7	69.9	65.1	56.9	47.2	46.5	45.0	39.8	36.3	36.3
50°	110.5	94.9	79.3	69.5	64.2	54.9	48.0	46.8	42.6	37.0	36.3
47.5°	132.6	114.3	95.6	76.7	68.2	61.8	52.9	48.8	45.2	39.4	36.3
45°	163.1	136.4	114.0	92.6	72.6	66.8	58.3	51.2	47.5	41.7	36.3
42.5°	196.4	164.7	135.5	108.8	86.8	71.6	63.0	55.1	50.0	43.9	37.4
40°	236.2	196.5	159.3	129.8	103.0	77.1	67.8	58.8	52.8	46.0	39.2
37.5°	277.8	232.7	189.1	151.3	120.2	92.1	72.9	61.9	55.0	48.0	41.0
35°	329.8	272.7	221.0	177.2	139.9	107.0	78.3	65.3	57.2	49.9	42.6
32.5°	382.0	316.7	259.4	207.0	159.5	121.9	88.6	70.2	59.2	51.7	44.2
30°	453.0	368.7	297.8	237.2	181.2	139.1	101.4	75.1	61.2	53.4	45.6
27.5°	536.6	422.9	337.9	270.3	208.1	156.0	113.4	80.2	62.9	55.0	47.0
25°	625.5	493.9	387.0	303.5	234.7	172.3	124.6	85.5	66.2	56.4	48.3
22.5°	730.1	571.3	436.7	335.5	258.8	188.7	136.5	94.8	70.1	57.7	49.4
20°	846.3	648.9	488.4	371.6	283.7	208.9	149.5	103.3	74.0	58.9	50.4
17.5°	976.4	753.8	566.4	419.1	310.5	227.4	162.0	111.0	77.7	60.0	51.4
15°	1209.1	904.5	654.0	467.9	337.2	244.1	173.9	117.9	81.2	60.9	52.2
12.5°	1492.5	1069.9	745.8	517.0	363.2	258.9	185.0	123.9	84.5	62.4	52.8
10°	1801.1	1244.2	839.3	565.1	388.0	271.9	195.1	129.2	87.0	64.5	53.4
7.5°	2122.6	1421.0	931.2	610.9	411.7	281.0	201.4	134.4	88.8	66.7	53.8
5°	2462.6	1627.1	1058.5	677.9	437.5	286.1	205.5	138.8	89.9	68.8	54.1
2.5°	2869.4	1874.9	1205.8	745.7	461.0	289.2	207.9	142.4	90.5	70.8	54.3
0°	3246.9	2104.1	1342.3	807.2	480.7	290.2	208.6	145.1	90.7	72.6	54.4
-2.5°	3520.5	2248.6	1412.9	852.9	521.3	323.0	222.0	150.8	92.4	72.5	54.3
-5°	3732.2	2356.6	1462.9	888.2	555.9	352.2	233.3	155.2	93.7	72.0	54.1
-7.5°	3784.8	2373.3	1469.1	906.8	584.1	376.4	242.3	157.9	94.4	71.3	53.8
-10°	3731.8	2312.5	1417.7	874.3	570.4	381.2	247.2	158.7	94.5	70.3	53.4
-12.5°	3582.3	2200.9	1341.0	830.3	545.8	369.7	242.5	154.5	93.7	69.0	52.8
-15°	3327.4	2034.7	1237.9	774.3	517.5	355.4	234.5	147.1	91.0	67.4	52.2
-17.5°	2934.4	1810.6	1107.5	706.2	485.9	338.5	223.2	138.0	87.9	65.6	51.4
-20°	2520.9	1558.2	962.9	625.9	451.6	319.1	208.2	127.2	84.3	63.5	50.4



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2102.4	1315.1	840.2	573.2	419.5	297.5	189.4	114.7	80.3	61.1	49.4
-25°	1647.9	1057.2	711.9	514.8	391.4	275.5	170.8	100.5	75.8	58.5	48.3
-27.5°	1300.6	821.5	586.2	456.5	352.0	248.6	153.7	94.5	71.5	55.6	47.0
-30°	993.5	682.7	508.2	402.0	312.2	214.1	134.6	88.6	67.9	53.4	45.6
-32.5°	729.1	550.8	444.5	357.0	272.0	179.5	113.5	82.2	64.1	51.7	44.2
-35°	595.8	465.5	384.0	312.4	231.8	154.6	96.8	75.4	60.0	49.9	42.6
-37.5°	466.4	402.7	336.1	268.3	191.6	128.2	88.8	69.6	55.7	48.0	41.0
-40°	403.6	348.2	291.4	224.8	158.7	100.5	80.4	64.5	52.8	46.0	39.2
-42.5°	346.5	303.3	245.1	181.5	127.1	90.4	71.9	59.2	50.4	43.9	37.4
-45°	303.4	256.5	195.5	145.5	97.9	80.3	65.7	54.0	47.8	41.7	35.7
-47.5°	258.1	200.5	153.4	110.9	86.7	70.7	59.3	51.1	45.2	39.4	34.0
-50°	195.4	153.0	119.0	93.3	75.7	63.5	53.5	48.1	42.6	37.0	32.1
-52.5°	147.0	120.0	97.4	81.0	67.0	56.0	50.1	45.0	39.8	34.5	29.9
-55°	115.1	98.9	83.8	69.8	58.1	51.4	46.6	41.8	36.9	32.0	27.7
-57.5°	95.6	83.8	70.5	58.6	51.8	47.4	43.0	38.5	34.0	29.3	27.3
-60°	79.1	68.4	56.7	51.4	47.4	43.4	39.4	35.2	31.0	27.2	27.2
-62.5°	64.5	54.9	50.1	46.6	43.0	39.4	35.6	31.8	27.8	27.2	27.2
-65°	53.8	48.7	45.0	41.8	38.5	35.2	31.8	28.3	27.2	27.2	27.1
-67.5°	45.2	41.8	39.6	36.9	34.0	31.0	27.8	27.2	27.2	27.2	26.8
-70°	36.0	34.3	34.0	32.0	29.3	27.2	27.2	27.2	27.2	26.1	26.3
-72.5°	29.6	29.8	29.0	27.2	27.2	27.2	27.2	26.6	25.1	24.8	25.7
-75°	27.3	26.6	26.7	27.2	27.2	27.0	24.9	23.1	22.7	23.3	23.9
-77.5°	23.3	24.0	25.6	25.9	24.2	22.5	20.8	19.4	20.5	21.6	21.6
-80°	20.0	20.9	21.2	20.7	19.4	18.1	18.1	18.3	19.4	19.8	19.5
-82.5°	18.2	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.5	18.2	16.3
-85°	18.1	18.1	18.1	18.1	18.1	18.1	16.7	15.3	13.8	12.4	10.9
-87.5°	12.2	11.6	11.0	10.4	9.7	9.0	8.4	7.6	6.9	6.2	5.4
-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°	4.7	3.9	3.1	2.4	1.6	0.8	0.0
85°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
82.5°	14.0	11.7	9.4	7.1	4.7	2.4	0.0
80°	18.4	15.6	12.5	9.4	6.3	3.1	0.0
77.5°	20.7	18.8	15.6	11.7	7.8	3.9	0.0
75°	23.0	20.7	18.4	14.0	9.4	4.7	0.0
72.5°	25.2	22.6	19.9	16.3	10.9	5.4	0.0
70°	27.2	24.5	21.4	18.3	12.4	6.2	0.0
67.5°	27.2	26.3	22.9	19.4	13.8	6.9	0.0
65°	27.2	27.2	24.3	20.5	15.3	7.6	0.0
62.5°	27.2	27.2	25.7	21.6	16.7	8.4	0.0
60°	27.2	27.2	27.1	22.6	18.1	9.0	0.0
57.5°	29.0	27.2	27.2	23.6	18.8	9.7	0.0
55°	31.0	27.2	27.2	24.6	19.4	10.4	0.0
52.5°	32.9	27.5	27.2	25.6	20.1	11.0	0.0
50°	34.8	29.0	27.2	26.5	20.7	11.6	0.0
47.5°	36.3	30.5	27.2	27.2	21.3	12.2	0.0
45°	36.3	31.9	27.2	27.2	21.9	12.8	0.0
42.5°	36.3	33.3	27.2	27.2	22.4	13.3	0.0
40°	36.3	34.6	27.7	27.2	22.9	13.9	0.0
37.5°	36.3	35.9	28.7	27.2	23.4	14.4	0.0
35°	36.3	36.3	29.7	27.2	23.9	14.8	0.0
32.5°	36.7	36.3	30.6	27.2	24.3	15.3	0.0
30°	37.9	36.3	31.4	27.2	24.8	15.7	0.0
27.5°	39.1	36.3	32.2	27.2	25.1	16.1	0.0
25°	40.1	36.3	32.9	27.2	25.5	16.4	0.0
22.5°	41.1	36.3	33.5	27.2	25.8	16.7	0.0
20°	42.0	36.3	34.1	27.2	26.1	17.0	0.0
17.5°	42.7	36.3	34.6	27.2	26.4	17.3	0.0
15°	43.4	36.3	35.0	27.2	26.6	17.5	0.0
12.5°	44.0	36.3	35.4	27.2	26.8	17.7	0.0
10°	44.5	36.3	35.7	27.2	26.9	17.8	0.0
7.5°	44.8	36.3	36.0	27.2	27.0	17.9	0.0
5°	45.1	36.3	36.2	27.2	27.1	18.0	0.0
2.5°	45.2	36.3	36.3	27.2	27.2	18.1	0.0
0°	45.3	36.3	36.3	27.2	27.2	18.1	0.0
-2.5°	45.2	36.3	36.3	27.2	27.2	18.1	0.0
-5°	45.1	36.3	36.2	27.2	27.1	18.0	0.0
-7.5°	44.8	36.3	36.0	27.2	27.0	17.9	0.0
-10°	44.5	36.3	35.7	27.2	26.9	17.8	0.0
-12.5°	44.0	36.3	35.4	27.2	26.8	17.7	0.0
-15°	43.4	36.3	35.0	27.2	26.6	17.5	0.0
-17.5°	42.7	36.3	34.6	27.2	26.4	17.3	0.0
-20°	42.0	36.3	34.1	27.2	26.1	17.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	41.1	36.3	33.5	27.2	25.8	16.7	0.0
-25°	40.1	36.1	32.9	27.2	25.5	16.4	0.0
-27.5°	39.1	35.9	32.2	27.2	25.1	16.1	0.0
-30°	37.9	35.5	31.4	27.2	24.8	15.7	0.0
-32.5°	36.7	35.0	30.4	27.2	24.3	15.3	0.0
-35°	35.9	34.4	29.5	27.2	23.9	14.8	0.0
-37.5°	35.3	33.6	28.6	27.2	23.4	14.4	0.0
-40°	34.5	32.3	27.6	27.2	22.9	13.9	0.0
-42.5°	33.4	31.2	27.2	27.2	22.4	13.3	0.0
-45°	32.2	30.1	27.2	27.2	21.9	12.8	0.0
-47.5°	30.8	29.1	27.2	27.2	21.3	12.2	0.0
-50°	29.8	28.2	27.2	26.5	20.7	11.6	0.0
-52.5°	28.9	27.3	27.2	25.6	20.1	11.0	0.0
-55°	28.2	27.2	27.2	24.6	19.4	10.4	0.0
-57.5°	27.6	27.2	27.2	23.6	18.8	9.7	0.0
-60°	27.2	27.2	27.1	22.6	18.1	9.0	0.0
-62.5°	27.2	27.2	25.7	21.6	16.7	8.4	0.0
-65°	27.2	27.2	24.3	20.5	15.3	7.6	0.0
-67.5°	27.2	26.3	22.9	19.4	13.8	6.9	0.0
-70°	27.2	24.5	21.4	18.3	12.4	6.2	0.0
-72.5°	25.2	22.6	19.9	16.3	10.9	5.4	0.0
-75°	23.0	20.7	18.4	14.0	9.4	4.7	0.0
-77.5°	20.7	18.8	15.6	11.7	7.8	3.9	0.0
-80°	18.4	15.6	12.5	9.4	6.3	3.1	0.0
-82.5°	14.0	11.7	9.4	7.1	4.7	2.4	0.0
-85°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
-87.5°	4.7	3.9	3.1	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)