

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: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-70-2R-S**

Issue Date: 8/10/2023

**Test Information**

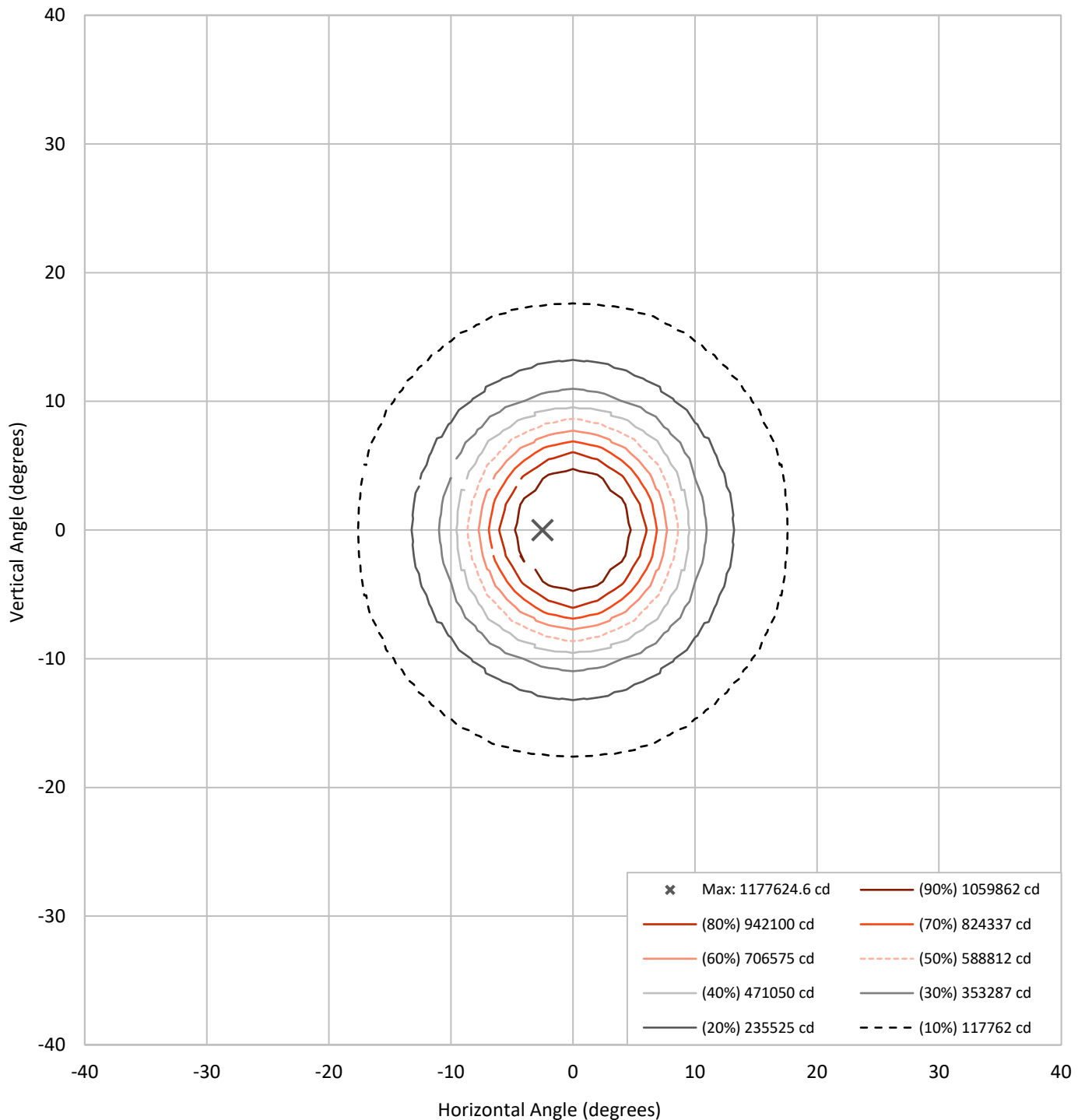
Test Method: LM-79-08  
Report Number: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-16-1200L-57-70-2R-S  
Description: EPHESUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 70 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:	186587 lumens	Max Intensity:	1177624.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	153.7 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:	58231.3 lumens	Field Lumens:	119087.7 lumens
Beam Efficiency:	31.2%	Field Efficiency:	63.8%
Input Watts (W):	1214.1		
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





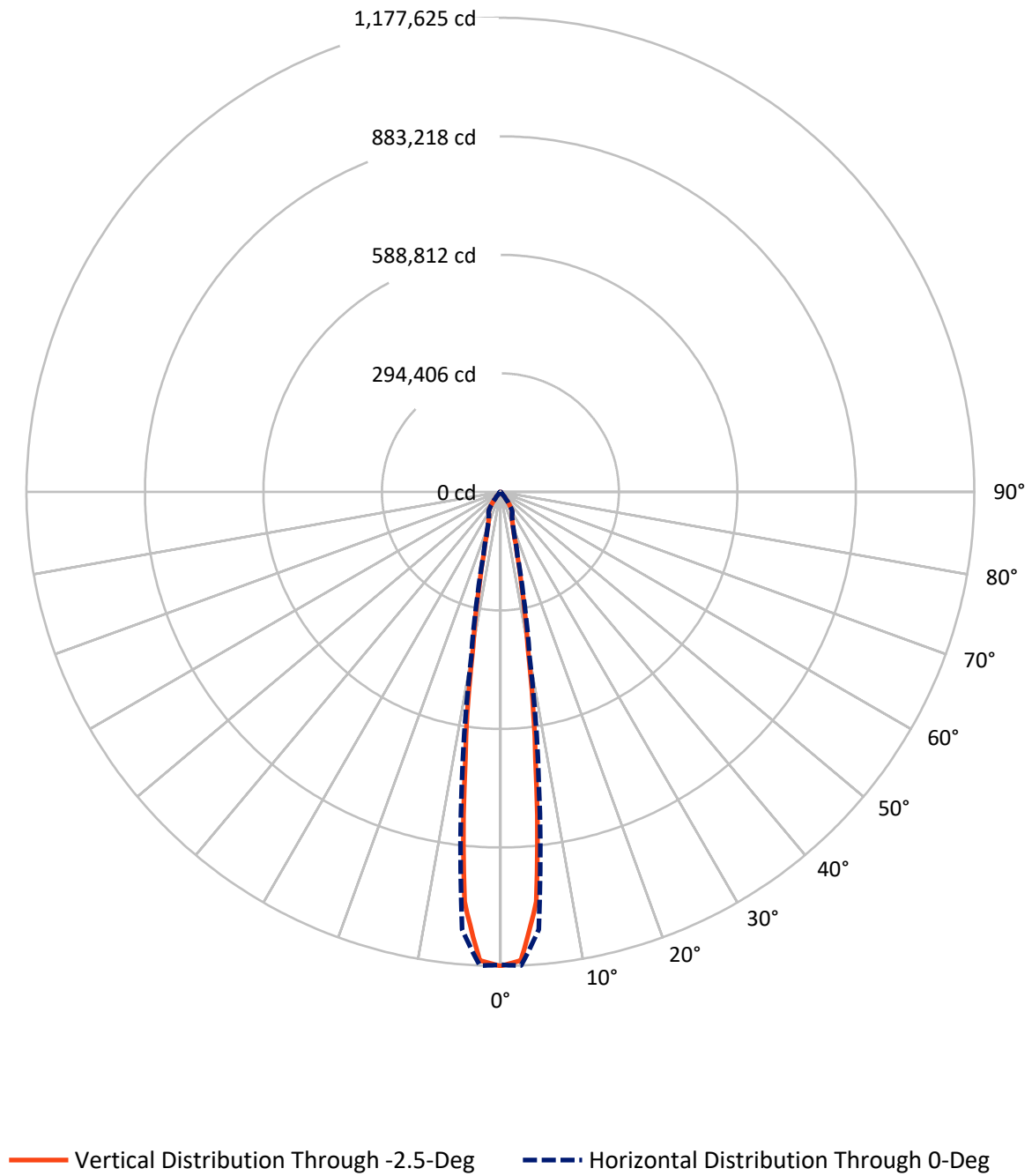
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### Lumen Table

90	0.3	1.4		3.0		4.4		5.0		4.4		3.0		1.4		0.3
80	0.3	1.4		3.0		4.4		5.0		4.4		3.0		1.4		0.3
70	0.6	0.5	1.0	1.6	2.3	3.9	5.7	6.7	6.7	5.7	3.9	2.3	1.6	1.0	0.5	0.6
60		0.7	1.5	3.7	8.4	12.0	14.6	16.1	16.1	14.6	12.0	8.4	3.7	1.5	0.7	
50	0.9	0.9	3.1	8.7	13.6	22.5	49.5	87.2	87.2	49.5	22.5	13.6	8.7	3.1	0.9	0.9
40		1.2	5.9	11.8	31.3	225.4	718.1	1083.4	1083.4	718.1	225.4	31.3	11.8	5.9	1.2	
30	1.1	1.9	7.6	17.7	206.1	1059.4	1747.9	2082.9	2082.9	1747.9	1059.4	206.1	17.7	7.6	1.9	1.1
20		2.6	8.7	37.2	618.0	1642.3	2647.7	5039.4	5039.4	2647.7	1642.3	618.0	37.2	8.7	2.6	
10	1.1	3.0	9.4	64.2	902.6	1899.6	4906.8	21385.8	21385.8	4906.8	1899.6	902.6	64.2	9.4	3.0	1.1
0		3.0	9.4	64.2	902.6	1899.6	4906.8	21385.8	21385.8	4906.8	1899.6	902.6	64.2	9.4	3.0	
-10	1.1	2.6	8.7	37.2	618.0	1642.3	2647.7	5039.4	5039.4	2647.7	1642.3	618.0	37.2	8.7	2.6	1.1
-20		1.9	7.6	17.7	206.1	1059.4	1747.9	2082.9	2082.9	1747.9	1059.4	206.1	17.7	7.6	1.9	
-30	0.9	1.2	5.9	11.8	31.3	225.4	718.1	1083.4	1083.4	718.1	225.4	31.3	11.8	5.9	1.2	0.9
-40		0.9	3.1	8.7	13.6	22.5	49.5	87.2	87.2	49.5	22.5	13.6	8.7	3.1	0.9	
-50	0.6	0.7	1.5	3.7	8.4	12.0	14.6	16.1	16.1	14.6	12.0	8.4	3.7	1.5	0.7	0.6
-60		0.5	1.0	1.6	2.3	3.9	5.7	6.7	6.7	5.7	3.9	2.3	1.6	1.0	0.5	
-70	0.3	1.4		3.0		4.4		5.0		4.4		3.0		1.4		0.3
-80		1.4		3.0		4.4		5.0		4.4		3.0		1.4		
-90	0.3	1.4		3.0		4.4		5.0		4.4		3.0		1.4		0.3

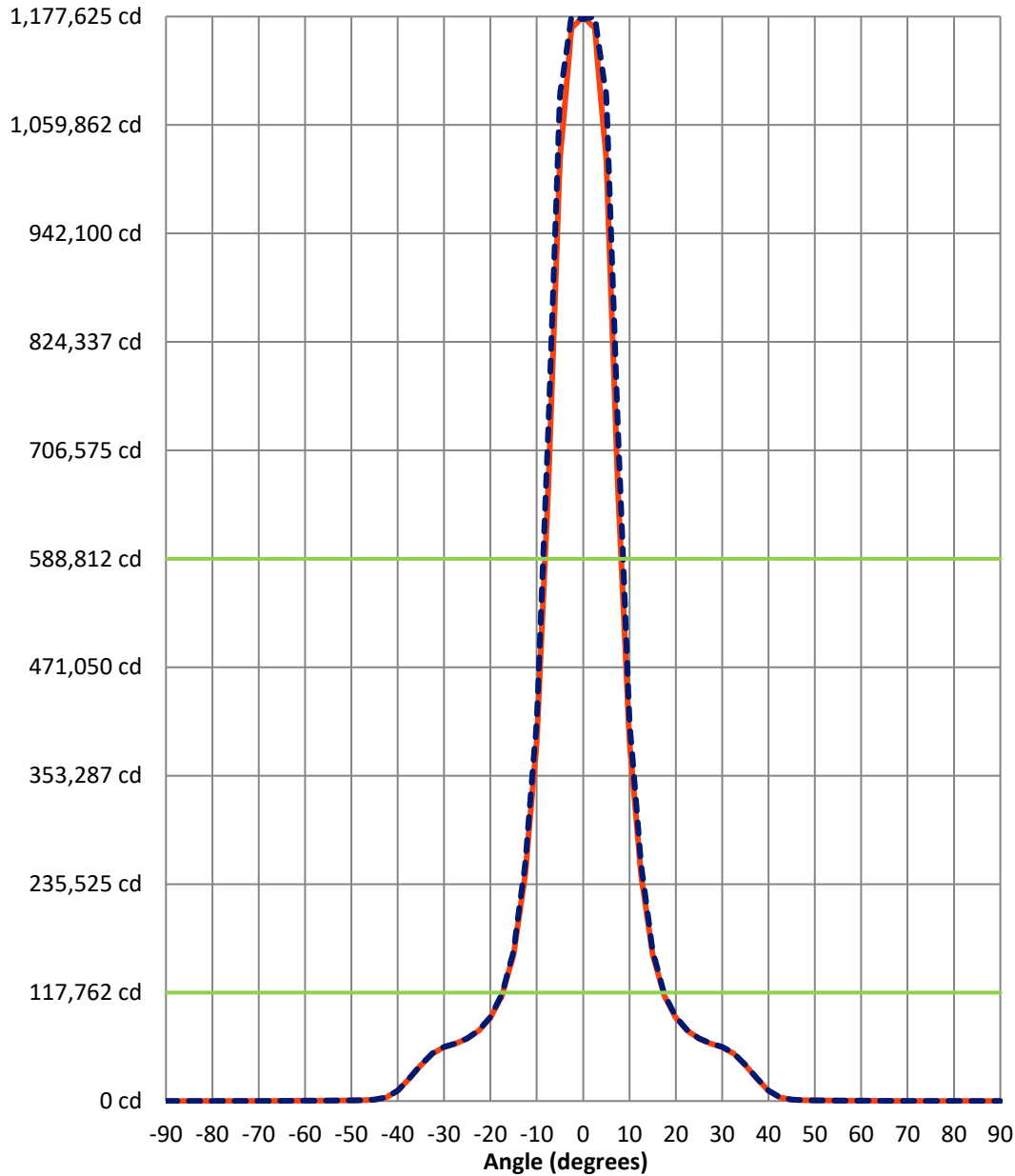
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 17.3°  
 V Angle: 16.4°  
 Lumens: 58231.3  
 Efficiency: 31.2%

**Field:**  
 H Angle: 34.8°  
 V Angle: 34.6°  
 Lumens: 119087.7  
 Efficiency: 63.8%

**Spill:**  
 Lumens: 67499.4  
 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	0.9	1.7	2.6	3.5	4.3	5.2	6.0	6.8	7.7	8.5
85°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.0	13.7	15.3	16.9
82.5°	0.0	2.6	5.2	7.8	10.4	13.0	15.5	18.0	20.0	20.0	20.0
80°	0.0	3.5	6.9	10.4	13.8	17.2	20.0	20.0	20.0	20.0	20.0
77.5°	0.0	4.3	8.6	13.0	17.2	20.0	20.0	20.0	20.0	20.0	21.0
75°	0.0	5.2	10.3	15.5	20.0	20.0	20.0	20.0	20.3	22.7	25.1
72.5°	0.0	6.0	12.0	18.0	20.0	20.0	20.0	20.8	23.6	26.4	29.2
70°	0.0	6.8	13.7	20.0	20.0	20.0	20.3	23.6	26.9	30.1	33.2
67.5°	0.0	7.7	15.3	20.0	20.0	20.0	22.7	26.4	30.1	33.7	37.2
65°	0.0	8.5	16.9	20.0	20.0	21.0	25.1	29.2	33.2	37.2	41.2
62.5°	0.0	9.2	18.5	20.0	20.0	22.9	27.5	31.9	36.3	40.7	45.0
60°	0.0	10.0	20.0	20.0	20.0	24.9	29.7	34.6	39.4	44.1	48.8
57.5°	0.0	10.7	20.0	20.0	21.4	26.7	32.0	37.2	42.4	47.5	52.5
55°	0.0	11.5	20.0	20.0	22.9	28.5	34.1	39.7	45.3	50.7	56.1
52.5°	0.0	12.2	20.0	20.0	24.3	30.3	36.3	42.2	48.1	53.9	59.6
50°	0.0	12.9	20.0	20.0	25.6	32.0	38.3	44.6	50.8	57.0	63.1
47.5°	0.0	13.5	20.0	20.2	26.9	33.6	40.3	46.9	53.4	59.9	66.4
45°	0.0	14.1	20.0	21.2	28.2	35.2	42.2	49.1	56.0	62.8	69.6
42.5°	0.0	14.7	20.0	22.1	29.4	36.7	44.0	51.2	58.4	65.6	75.2
40°	0.0	15.3	20.0	23.0	30.6	38.2	45.7	53.3	60.8	68.2	81.1
37.5°	0.0	15.9	20.0	23.8	31.7	39.5	47.4	55.2	63.0	71.4	86.7
35°	0.0	16.4	20.0	24.6	32.7	40.8	49.0	57.0	65.1	76.2	91.0
32.5°	0.0	16.9	20.0	25.3	33.7	42.1	50.4	58.8	67.1	80.6	93.5
30°	0.0	17.3	20.0	26.0	34.6	43.2	51.8	60.4	68.9	84.8	95.9
27.5°	0.0	17.7	20.0	26.6	35.4	44.3	53.1	61.9	71.3	88.7	98.1
25°	0.0	18.1	20.0	27.2	36.2	45.3	54.3	63.3	74.5	91.2	100.5
22.5°	0.0	18.5	20.0	27.7	36.9	46.1	55.3	64.5	77.4	92.8	111.6
20°	0.0	18.8	20.0	28.2	37.6	46.9	56.3	65.7	80.0	94.3	121.6
17.5°	0.0	19.1	20.0	28.6	38.1	47.7	57.2	66.7	82.3	95.6	130.5
15°	0.0	19.3	20.0	29.0	38.6	48.3	57.9	67.5	84.3	96.8	138.2
12.5°	0.0	19.5	20.0	29.3	39.0	48.8	58.5	68.3	86.1	97.8	144.8
10°	0.0	19.7	20.0	29.5	39.4	49.2	59.1	68.9	87.5	98.6	150.3
7.5°	0.0	19.8	20.0	29.7	39.7	49.6	59.5	69.4	88.6	99.2	154.5
5°	0.0	19.9	20.0	29.9	39.8	49.8	59.8	69.7	89.4	99.6	157.6
2.5°	0.0	20.0	20.0	30.0	40.0	50.0	59.9	69.9	89.8	99.9	159.4
0°	0.0	20.0	20.0	30.0	40.0	50.0	60.0	70.0	90.0	100.0	160.0
-2.5°	0.0	20.0	20.0	30.0	40.0	50.0	59.9	69.9	89.8	99.9	159.4
-5°	0.0	19.9	20.0	29.9	39.8	49.8	59.8	69.7	89.4	99.6	157.6
-7.5°	0.0	19.8	20.0	29.7	39.7	49.6	59.5	69.4	88.6	99.2	154.5
-10°	0.0	19.7	20.0	29.5	39.4	49.2	59.1	68.9	87.5	98.6	150.3
-12.5°	0.0	19.5	20.0	29.3	39.0	48.8	58.5	68.3	86.1	97.8	144.8
-15°	0.0	19.3	20.0	29.0	38.6	48.3	57.9	67.5	84.3	96.8	138.2
-17.5°	0.0	19.1	20.0	28.6	38.1	47.7	57.2	66.7	82.3	95.6	130.5
-20°	0.0	18.8	20.0	28.2	37.6	46.9	56.3	65.7	80.0	94.3	121.6



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.5	20.0	27.7	36.9	46.1	55.3	64.5	77.4	92.8	111.6
-25°	0.0	18.1	20.0	27.2	36.2	45.3	54.3	63.3	74.5	91.2	100.5
-27.5°	0.0	17.7	20.0	26.6	35.4	44.3	53.1	61.9	71.3	88.7	98.1
-30°	0.0	17.3	20.0	26.0	34.6	43.2	51.8	60.4	68.9	84.8	95.9
-32.5°	0.0	16.9	20.0	25.3	33.7	42.1	50.4	58.8	67.1	80.6	93.5
-35°	0.0	16.4	20.0	24.6	32.7	40.8	49.0	57.0	65.1	76.2	91.0
-37.5°	0.0	15.9	20.0	23.8	31.7	39.5	47.4	55.2	63.0	71.4	86.7
-40°	0.0	15.3	20.0	23.0	30.6	38.2	45.7	53.3	60.8	68.2	81.1
-42.5°	0.0	14.7	20.0	22.1	29.4	36.7	44.0	51.2	58.4	65.6	75.2
-45°	0.0	14.1	20.0	21.2	28.2	35.2	42.2	49.1	56.0	62.8	69.6
-47.5°	0.0	13.5	20.0	20.2	26.9	33.6	40.3	46.9	53.4	59.9	66.4
-50°	0.0	12.9	20.0	20.0	25.6	32.0	38.3	44.6	50.8	57.0	63.1
-52.5°	0.0	12.2	20.0	20.0	24.3	30.3	36.3	42.2	48.1	53.9	59.6
-55°	0.0	11.5	20.0	20.0	22.9	28.5	34.1	39.7	45.3	50.7	56.1
-57.5°	0.0	10.7	20.0	20.0	21.4	26.7	32.0	37.2	42.4	47.5	52.5
-60°	0.0	10.0	20.0	20.0	20.0	24.9	29.7	34.6	39.4	44.1	48.8
-62.5°	0.0	9.2	18.5	20.0	20.0	22.9	27.5	31.9	36.3	40.7	45.0
-65°	0.0	8.5	16.9	20.0	20.0	21.0	25.1	29.2	33.2	37.2	41.2
-67.5°	0.0	7.7	15.3	20.0	20.0	20.0	22.7	26.4	30.1	33.7	37.2
-70°	0.0	6.8	13.7	20.0	20.0	20.0	20.3	23.6	26.9	30.1	33.2
-72.5°	0.0	6.0	12.0	18.0	20.0	20.0	20.0	20.8	23.6	26.4	29.2
-75°	0.0	5.2	10.3	15.5	20.0	20.0	20.0	20.0	20.3	22.7	25.1
-77.5°	0.0	4.3	8.6	13.0	17.2	20.0	20.0	20.0	20.0	20.0	21.0
-80°	0.0	3.5	6.9	10.4	13.8	17.2	20.0	20.0	20.0	20.0	20.0
-82.5°	0.0	2.6	5.2	7.8	10.4	13.0	15.5	18.0	20.0	20.0	20.0
-85°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.0	13.7	15.3	16.9
-87.5°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	6.8	7.7	8.5
-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):**

	-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°	9.2	10.0	10.7	11.5	12.2	12.9	13.5	14.1	14.7	15.3	15.9
85°	18.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
82.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.2	21.2	22.1	23.0	23.8
80°	20.0	20.0	21.4	22.9	24.3	25.6	26.9	28.2	29.4	30.6	31.7
77.5°	22.9	24.9	26.7	28.5	30.3	32.0	33.6	35.2	36.7	38.2	39.5
75°	27.5	29.7	32.0	34.1	36.3	38.3	40.3	42.2	44.0	45.7	47.4
72.5°	31.9	34.6	37.2	39.7	42.2	44.6	46.9	49.1	51.2	53.3	55.2
70°	36.3	39.4	42.4	45.3	48.1	50.8	53.4	56.0	58.4	60.8	63.0
67.5°	40.7	44.1	47.5	50.7	53.9	57.0	59.9	62.8	65.6	68.2	71.4
65°	45.0	48.8	52.5	56.1	59.6	63.1	66.4	69.6	75.2	81.1	86.7
62.5°	49.2	53.4	57.5	61.4	65.3	69.1	75.4	82.5	89.2	92.9	96.0
60°	53.4	57.9	62.3	66.7	71.8	80.0	87.9	92.8	96.5	100.5	120.9
57.5°	57.5	62.3	67.1	73.6	82.7	90.8	95.1	99.3	120.1	143.3	181.2
55°	61.4	66.7	73.6	83.7	91.7	96.5	107.2	134.3	161.6	257.9	350.3
52.5°	65.3	71.8	82.7	91.7	97.0	112.9	142.8	205.7	313.5	393.6	406.5
50°	69.1	80.0	90.8	96.5	112.9	145.7	227.9	347.1	399.5	414.0	422.6
47.5°	75.4	87.9	95.1	107.2	142.8	227.9	358.4	402.4	418.5	424.7	429.6
45°	82.5	92.8	99.3	134.3	205.7	347.1	402.4	420.0	425.7	439.5	482.0
42.5°	89.2	96.5	120.1	161.6	313.5	399.5	418.5	425.7	443.7	490.4	548.3
40°	92.9	100.5	143.3	257.9	393.6	414.0	424.7	439.5	490.4	554.7	626.5
37.5°	96.0	120.9	181.2	350.3	406.5	422.6	429.6	482.0	548.3	626.5	696.3
35°	98.9	140.3	262.3	396.3	418.9	427.1	465.2	529.0	613.3	690.1	767.7
32.5°	110.1	158.6	339.1	407.2	423.6	440.5	501.5	587.3	671.7	752.8	843.9
30°	125.7	220.6	392.8	417.4	427.3	472.4	548.8	641.5	725.9	821.2	1132.3
27.5°	140.3	282.2	401.6	422.3	435.8	502.4	597.2	689.2	783.8	958.7	1519.9
25°	153.7	339.1	409.7	425.3	461.5	540.3	641.2	733.7	840.3	1299.0	2507.6
22.5°	183.2	390.1	417.1	428.0	485.2	578.7	679.3	781.1	996.7	1647.3	3590.2
20°	225.8	396.3	421.3	433.7	506.6	613.6	714.0	825.3	1265.2	2571.0	6015.8
17.5°	263.8	401.8	423.3	451.2	533.6	643.6	746.0	865.1	1506.7	3404.2	8881.8
15°	296.9	406.5	425.1	466.6	558.8	668.8	778.3	1039.2	1982.6	4602.2	11482.1
12.5°	325.2	410.6	426.6	479.7	580.3	690.3	805.9	1208.0	2567.5	6623.8	15451.4
10°	348.4	414.0	427.8	490.6	598.1	708.0	828.8	1347.7	3052.5	8303.5	18756.8
7.5°	366.6	416.6	428.8	499.0	612.0	722.0	846.7	1457.5	3434.0	9626.6	21365.4
5°	379.6	418.5	429.4	505.1	622.0	732.0	859.6	1536.5	3708.7	10580.9	23249.6
2.5°	387.4	419.6	429.9	508.8	628.0	738.0	867.4	1584.1	3874.6	11157.2	24388.8
0°	<b>390.0</b>	<b>420.0</b>	<b>430.0</b>	<b>510.0</b>	<b>630.0</b>	<b>740.0</b>	<b>870.0</b>	<b>1600.0</b>	<b>3930.0</b>	<b>11350.0</b>	<b>24770.0</b>
-2.5°	387.4	419.6	429.9	508.8	628.0	738.0	867.4	1584.1	3874.6	11157.2	24388.8
-5°	379.6	418.5	429.4	505.1	622.0	732.0	859.6	1536.5	3708.7	10580.9	23249.6
-7.5°	366.6	416.6	428.8	499.0	612.0	722.0	846.7	1457.5	3434.0	9626.6	21365.4
-10°	348.4	414.0	427.8	490.6	598.1	708.0	828.8	1347.7	3052.5	8303.5	18756.8
-12.5°	325.2	410.6	426.6	479.7	580.3	690.3	805.9	1208.0	2567.5	6623.8	15451.4
-15°	296.9	406.5	425.1	466.6	558.8	668.8	778.3	1039.2	1982.6	4602.2	11482.1
-17.5°	263.8	401.8	423.3	451.2	533.6	643.6	746.0	865.1	1506.7	3404.2	8881.8
-20°	225.8	396.3	421.3	433.7	506.6	613.6	714.0	825.3	1265.2	2571.0	6015.8



REPORT NUMBER: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-2R-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	183.2	390.1	417.1	428.0	485.2	578.7	679.3	781.1	996.7	1647.3	3590.2
-25°	153.7	339.1	409.7	425.3	461.5	540.3	641.2	733.7	840.3	1299.0	2507.6
-27.5°	140.3	282.2	401.6	422.3	435.8	502.4	597.2	689.2	783.8	958.7	1519.9
-30°	125.7	220.6	392.8	417.4	427.3	472.4	548.8	641.5	725.9	821.2	1132.3
-32.5°	110.1	158.6	339.1	407.2	423.6	440.5	501.5	587.3	671.7	752.8	843.9
-35°	98.9	140.3	262.3	396.3	418.9	427.1	465.2	529.0	613.3	690.1	767.7
-37.5°	96.0	120.9	181.2	350.3	406.5	422.6	429.6	482.0	548.3	626.5	696.3
-40°	92.9	100.5	143.3	257.9	393.6	414.0	424.7	439.5	490.4	554.7	626.5
-42.5°	89.2	96.5	120.1	161.6	313.5	399.5	418.5	425.7	443.7	490.4	548.3
-45°	82.5	92.8	99.3	134.3	205.7	347.1	402.4	420.0	425.7	439.5	482.0
-47.5°	75.4	87.9	95.1	107.2	142.8	227.9	358.4	402.4	418.5	424.7	429.6
-50°	69.1	80.0	90.8	96.5	112.9	145.7	227.9	347.1	399.5	414.0	422.6
-52.5°	65.3	71.8	82.7	91.7	97.0	112.9	142.8	205.7	313.5	393.6	406.5
-55°	61.4	66.7	73.6	83.7	91.7	96.5	107.2	134.3	161.6	257.9	350.3
-57.5°	57.5	62.3	67.1	73.6	82.7	90.8	95.1	99.3	120.1	143.3	181.2
-60°	53.4	57.9	62.3	66.7	71.8	80.0	87.9	92.8	96.5	100.5	120.9
-62.5°	49.2	53.4	57.5	61.4	65.3	69.1	75.4	82.5	89.2	92.9	96.0
-65°	45.0	48.8	52.5	56.1	59.6	63.1	66.4	69.6	75.2	81.1	86.7
-67.5°	40.7	44.1	47.5	50.7	53.9	57.0	59.9	62.8	65.6	68.2	71.4
-70°	36.3	39.4	42.4	45.3	48.1	50.8	53.4	56.0	58.4	60.8	63.0
-72.5°	31.9	34.6	37.2	39.7	42.2	44.6	46.9	49.1	51.2	53.3	55.2
-75°	27.5	29.7	32.0	34.1	36.3	38.3	40.3	42.2	44.0	45.7	47.4
-77.5°	22.9	24.9	26.7	28.5	30.3	32.0	33.6	35.2	36.7	38.2	39.5
-80°	20.0	20.0	21.4	22.9	24.3	25.6	26.9	28.2	29.4	30.6	31.7
-82.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.2	21.2	22.1	23.0	23.8
-85°	18.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
-87.5°	9.2	10.0	10.7	11.5	12.2	12.9	13.5	14.1	14.7	15.3	15.9
-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: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-2R-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.4	16.9	17.3	17.7	18.1	18.5	18.8	19.1	19.3	19.5	19.7
85°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
82.5°	24.6	25.3	26.0	26.6	27.2	27.7	28.2	28.6	29.0	29.3	29.5
80°	32.7	33.7	34.6	35.4	36.2	36.9	37.6	38.1	38.6	39.0	39.4
77.5°	40.8	42.1	43.2	44.3	45.3	46.1	46.9	47.7	48.3	48.8	49.2
75°	49.0	50.4	51.8	53.1	54.3	55.3	56.3	57.2	57.9	58.5	59.1
72.5°	57.0	58.8	60.4	61.9	63.3	64.5	65.7	66.7	67.5	68.3	68.9
70°	65.1	67.1	68.9	71.3	74.5	77.4	80.0	82.3	84.3	86.1	87.5
67.5°	76.2	80.6	84.8	88.7	91.2	92.8	94.3	95.6	96.8	97.8	98.6
65°	91.0	93.5	95.9	98.1	100.5	111.6	121.6	130.5	138.2	144.8	150.3
62.5°	98.9	110.1	125.7	140.3	153.7	183.2	225.8	263.8	296.9	325.2	348.4
60°	140.3	158.6	220.6	282.2	339.1	390.1	396.3	401.8	406.5	410.6	414.0
57.5°	262.3	339.1	392.8	401.6	409.7	417.1	421.3	423.3	425.1	426.6	427.8
55°	396.3	407.2	417.4	422.3	425.3	428.0	433.7	451.2	466.6	479.7	490.6
52.5°	418.9	423.6	427.3	435.8	461.5	485.2	506.6	533.6	558.8	580.3	598.1
50°	427.1	440.5	472.4	502.4	540.3	578.7	613.6	643.6	668.8	690.3	708.0
47.5°	465.2	501.5	548.8	597.2	641.2	679.3	714.0	746.0	778.3	805.9	828.8
45°	529.0	587.3	641.5	689.2	733.7	781.1	825.3	865.1	1039.2	1208.0	1347.7
42.5°	613.3	671.7	725.9	783.8	840.3	996.7	1265.2	1506.7	1982.6	2567.5	3052.5
40°	690.1	752.8	821.2	958.7	1299.0	1647.3	2571.0	3404.2	4602.2	6623.8	8303.5
37.5°	767.7	843.9	1132.3	1519.9	2507.6	3590.2	6015.8	8881.8	11482.1	15451.4	18756.8
35°	851.5	1220.0	1774.0	3092.9	5225.8	8924.3	13129.7	18726.6	23704.7	28297.1	32208.5
32.5°	1220.0	1918.3	3389.3	6677.9	10908.3	17720.0	24353.7	30883.0	36743.8	41488.0	45154.9
30°	1774.0	3389.3	7166.2	12370.9	20529.8	28502.2	36251.2	42779.3	48241.6	52503.5	54717.3
27.5°	3092.9	6677.9	12370.9	21476.0	30628.9	39519.9	46676.5	52640.2	55914.9	58787.2	60118.6
25°	5225.8	10908.3	20529.8	30628.9	40475.5	48662.8	54348.1	58273.6	60456.3	62171.7	64106.9
22.5°	8924.3	17720.0	28502.2	39519.9	48662.8	54925.6	59171.7	61487.9	64067.8	66803.0	69779.0
20°	13129.7	24353.7	36251.2	46676.5	54348.1	59171.7	61837.8	65138.8	68732.5	73528.9	78201.3
17.5°	18726.6	30883.0	42779.3	52640.2	58273.6	61487.9	65138.8	69649.3	75473.0	83289.4	90909.3
15°	23704.7	36743.8	48241.6	55914.9	60456.3	64067.8	68732.5	75473.0	85034.6	97015.8	111680.7
12.5°	28297.1	41488.0	52503.5	58787.2	62171.7	66803.0	73528.9	83289.4	97015.8	115242.5	145257.9
10°	32208.5	45154.9	54717.3	60118.6	64106.9	69779.0	78201.3	90909.3	111680.7	145257.9	189593.7
7.5°	35302.3	48063.4	56479.3	61178.0	65811.1	72802.4	83785.4	101408.9	130728.1	176606.0	258772.0
5°	37541.0	50172.7	57760.6	61951.1	67060.2	75031.4	87934.1	109536.0	148349.5	215181.5	329901.2
2.5°	38896.2	51451.5	58538.9	62421.9	67823.3	76398.9	90494.1	114592.1	159444.4	245847.9	391565.6
0°	<b>39350.0</b>	<b>51880.0</b>	<b>58800.0</b>	<b>62580.0</b>	<b>68080.0</b>	<b>76860.0</b>	<b>91360.0</b>	<b>116310.0</b>	<b>163239.9</b>	<b>257659.9</b>	<b>414309.9</b>
-2.5°	38896.2	51451.5	58538.9	62421.9	67823.3	76398.9	90494.1	114592.1	159444.4	245847.9	391565.6
-5°	37541.0	50172.7	57760.6	61951.1	67060.2	75031.4	87934.1	109536.0	148349.5	215181.5	329901.2
-7.5°	35302.3	48063.4	56479.3	61178.0	65811.1	72802.4	83785.4	101408.9	130728.1	176606.0	258772.0
-10°	32208.5	45154.9	54717.3	60118.6	64106.9	69779.0	78201.3	90909.3	111680.7	145257.9	189593.7
-12.5°	28297.1	41488.0	52503.5	58787.2	62171.7	66803.0	73528.9	83289.4	97015.8	115242.5	145257.9
-15°	23704.7	36743.8	48241.6	55914.9	60456.3	64067.8	68732.5	75473.0	85034.6	97015.8	111680.7
-17.5°	18726.6	30883.0	42779.3	52640.2	58273.6	61487.9	65138.8	69649.3	75473.0	83289.4	90909.3
-20°	13129.7	24353.7	36251.2	46676.5	54348.1	59171.7	61837.8	65138.8	68732.5	73528.9	78201.3



REPORT NUMBER: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-2R-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8924.3	17720.0	28502.2	39519.9	48662.8	54925.6	59171.7	61487.9	64067.8	66803.0	69779.0
-25°	5225.8	10908.3	20529.8	30628.9	40475.5	48662.8	54348.1	58273.6	60456.3	62171.7	64106.9
-27.5°	3092.9	6677.9	12370.9	21476.0	30628.9	39519.9	46676.5	52640.2	55914.9	58787.2	60118.6
-30°	1774.0	3389.3	7166.2	12370.9	20529.8	28502.2	36251.2	42779.3	48241.6	52503.5	54717.3
-32.5°	1220.0	1918.3	3389.3	6677.9	10908.3	17720.0	24353.7	30883.0	36743.8	41488.0	45154.9
-35°	851.5	1220.0	1774.0	3092.9	5225.8	8924.3	13129.7	18726.6	23704.7	28297.1	32208.5
-37.5°	767.7	843.9	1132.3	1519.9	2507.6	3590.2	6015.8	8881.8	11482.1	15451.4	18756.8
-40°	690.1	752.8	821.2	958.7	1299.0	1647.3	2571.0	3404.2	4602.2	6623.8	8303.5
-42.5°	613.3	671.7	725.9	783.8	840.3	996.7	1265.2	1506.7	1982.6	2567.5	3052.5
-45°	529.0	587.3	641.5	689.2	733.7	781.1	825.3	865.1	1039.2	1208.0	1347.7
-47.5°	465.2	501.5	548.8	597.2	641.2	679.3	714.0	746.0	778.3	805.9	828.8
-50°	427.1	440.5	472.4	502.4	540.3	578.7	613.6	643.6	668.8	690.3	708.0
-52.5°	418.9	423.6	427.3	435.8	461.5	485.2	506.6	533.6	558.8	580.3	598.1
-55°	396.3	407.2	417.4	422.3	425.3	428.0	433.7	451.2	466.6	479.7	490.6
-57.5°	262.3	339.1	392.8	401.6	409.7	417.1	421.3	423.3	425.1	426.6	427.8
-60°	140.3	158.6	220.6	282.2	339.1	390.1	396.3	401.8	406.5	410.6	414.0
-62.5°	98.9	110.1	125.7	140.3	153.7	183.2	225.8	263.8	296.9	325.2	348.4
-65°	91.0	93.5	95.9	98.1	100.5	111.6	121.6	130.5	138.2	144.8	150.3
-67.5°	76.2	80.6	84.8	88.7	91.2	92.8	94.3	95.6	96.8	97.8	98.6
-70°	65.1	67.1	68.9	71.3	74.5	77.4	80.0	82.3	84.3	86.1	87.5
-72.5°	57.0	58.8	60.4	61.9	63.3	64.5	65.7	66.7	67.5	68.3	68.9
-75°	49.0	50.4	51.8	53.1	54.3	55.3	56.3	57.2	57.9	58.5	59.1
-77.5°	40.8	42.1	43.2	44.3	45.3	46.1	46.9	47.7	48.3	48.8	49.2
-80°	32.7	33.7	34.6	35.4	36.2	36.9	37.6	38.1	38.6	39.0	39.4
-82.5°	24.6	25.3	26.0	26.6	27.2	27.7	28.2	28.6	29.0	29.3	29.5
-85°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
-87.5°	16.4	16.9	17.3	17.7	18.1	18.5	18.8	19.1	19.3	19.5	19.7
-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: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-2R-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.7	19.5	19.3	19.1
85°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
82.5°	29.7	29.9	30.0	30.0	30.0	29.9	29.7	29.5	29.3	29.0	28.6
80°	39.7	39.8	40.0	40.0	40.0	39.8	39.7	39.4	39.0	38.6	38.1
77.5°	49.6	49.8	50.0	50.0	50.0	49.8	49.6	49.2	48.8	48.3	47.7
75°	59.5	59.8	59.9	60.0	59.9	59.8	59.5	59.1	58.5	57.9	57.2
72.5°	69.4	69.7	69.9	70.0	69.9	69.7	69.4	68.9	68.3	67.5	66.7
70°	88.6	89.4	89.8	90.0	89.8	89.4	88.6	87.5	86.1	84.3	82.3
67.5°	99.2	99.6	99.9	100.0	99.9	99.6	99.2	98.6	97.8	96.8	95.6
65°	154.5	157.6	159.4	160.0	159.4	157.6	154.5	150.3	144.8	138.2	130.5
62.5°	366.6	379.6	387.4	390.0	387.4	379.6	366.6	348.4	325.2	296.9	263.8
60°	416.6	418.5	419.6	420.0	419.6	418.5	416.6	414.0	410.6	406.5	401.8
57.5°	428.8	429.4	429.9	430.0	429.9	429.4	428.8	427.8	426.6	425.1	423.3
55°	499.0	505.1	508.8	510.0	508.8	505.1	499.0	490.6	479.7	466.6	451.2
52.5°	612.0	622.0	628.0	630.0	628.0	622.0	612.0	598.1	580.3	558.8	533.6
50°	722.0	732.0	738.0	740.0	738.0	732.0	722.0	708.0	690.3	668.8	643.6
47.5°	846.7	859.6	867.4	870.0	867.4	859.6	846.7	828.8	805.9	778.3	746.0
45°	1457.5	1536.5	1584.1	1600.0	1584.1	1536.5	1457.5	1347.7	1208.0	1039.2	865.1
42.5°	3434.0	3708.7	3874.6	3930.0	3874.6	3708.7	3434.0	3052.5	2567.5	1982.6	1506.7
40°	9626.6	10580.9	11157.2	11350.0	11157.2	10580.9	9626.6	8303.5	6623.8	4602.2	3404.2
37.5°	21365.4	23249.6	24388.8	24770.0	24388.8	23249.6	21365.4	18756.8	15451.4	11482.1	8881.8
35°	35302.3	37541.0	38896.2	39350.0	38896.2	37541.0	35302.3	32208.5	28297.1	23704.7	18726.6
32.5°	48063.4	50172.7	51451.5	51880.0	51451.5	50172.7	48063.4	45154.9	41488.0	36743.8	30883.0
30°	56479.3	57760.6	58538.9	58800.0	58538.9	57760.6	56479.3	54717.3	52503.5	48241.6	42779.3
27.5°	61178.0	61951.1	62421.9	62580.0	62421.9	61951.1	61178.0	60118.6	58787.2	55914.9	52640.2
25°	65811.1	67060.2	67823.3	68080.0	67823.3	67060.2	65811.1	64106.9	62171.7	60456.3	58273.6
22.5°	72802.4	75031.4	76398.9	76860.0	76398.9	75031.4	72802.4	69779.0	66803.0	64067.8	61487.9
20°	83785.4	87934.1	90494.1	91360.0	90494.1	87934.1	83785.4	78201.3	73528.9	68732.5	65138.8
17.5°	101408.9	109536.0	114592.1	116310.0	114592.1	109536.0	101408.9	90909.3	83289.4	75473.0	69649.3
15°	130728.1	148349.5	159444.4	163239.9	159444.4	148349.5	130728.1	111680.7	97015.8	85034.6	75473.0
12.5°	176606.0	215181.5	245847.9	257659.9	245847.9	215181.5	176606.0	145257.9	115242.5	97015.8	83289.4
10°	258772.0	329901.2	391565.6	414309.9	391565.6	329901.2	258772.0	189593.7	145257.9	111680.7	90909.3
7.5°	370161.1	515435.4	667550.5	732684.8	667550.5	515435.4	370161.1	258772.0	176606.0	130728.1	101408.9
5°	515435.4	802661.3	#####	#####	#####	802661.3	515435.4	329901.2	215181.5	148349.5	109536.0
2.5°	667550.5	#####	#####	#####	#####	667550.5	391565.6	245847.9	159444.4	114592.1	
0°	732684.8	#####	#####	#####	#####	732684.8	414309.9	257659.9	163239.9	116310.0	
-2.5°	667550.5	#####	#####	#####	#####	667550.5	391565.6	245847.9	159444.4	114592.1	
-5°	515435.4	802661.3	#####	#####	#####	802661.3	515435.4	329901.2	215181.5	148349.5	109536.0
-7.5°	370161.1	515435.4	667550.5	732684.8	667550.5	515435.4	370161.1	258772.0	176606.0	130728.1	101408.9
-10°	258772.0	329901.2	391565.6	414309.9	391565.6	329901.2	258772.0	189593.7	145257.9	111680.7	90909.3
-12.5°	176606.0	215181.5	245847.9	257659.9	245847.9	215181.5	176606.0	145257.9	115242.5	97015.8	83289.4
-15°	130728.1	148349.5	159444.4	163239.9	159444.4	148349.5	130728.1	111680.7	97015.8	85034.6	75473.0
-17.5°	101408.9	109536.0	114592.1	116310.0	114592.1	109536.0	101408.9	90909.3	83289.4	75473.0	69649.3
-20°	83785.4	87934.1	90494.1	91360.0	90494.1	87934.1	83785.4	78201.3	73528.9	68732.5	65138.8



REPORT NUMBER: P699910 (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°	72802.4	75031.4	76398.9	76860.0	76398.9	75031.4	72802.4	69779.0	66803.0	64067.8	61487.9
-25°	65811.1	67060.2	67823.3	68080.0	67823.3	67060.2	65811.1	64106.9	62171.7	60456.3	58273.6
-27.5°	61178.0	61951.1	62421.9	62580.0	62421.9	61951.1	61178.0	60118.6	58787.2	55914.9	52640.2
-30°	56479.3	57760.6	58538.9	58800.0	58538.9	57760.6	56479.3	54717.3	52503.5	48241.6	42779.3
-32.5°	48063.4	50172.7	51451.5	51880.0	51451.5	50172.7	48063.4	45154.9	41488.0	36743.8	30883.0
-35°	35302.3	37541.0	38896.2	39350.0	38896.2	37541.0	35302.3	32208.5	28297.1	23704.7	18726.6
-37.5°	21365.4	23249.6	24388.8	24770.0	24388.8	23249.6	21365.4	18756.8	15451.4	11482.1	8881.8
-40°	9626.6	10580.9	11157.2	11350.0	11157.2	10580.9	9626.6	8303.5	6623.8	4602.2	3404.2
-42.5°	3434.0	3708.7	3874.6	3930.0	3874.6	3708.7	3434.0	3052.5	2567.5	1982.6	1506.7
-45°	1457.5	1536.5	1584.1	1600.0	1584.1	1536.5	1457.5	1347.7	1208.0	1039.2	865.1
-47.5°	846.7	859.6	867.4	870.0	867.4	859.6	846.7	828.8	805.9	778.3	746.0
-50°	722.0	732.0	738.0	740.0	738.0	732.0	722.0	708.0	690.3	668.8	643.6
-52.5°	612.0	622.0	628.0	630.0	628.0	622.0	612.0	598.1	580.3	558.8	533.6
-55°	499.0	505.1	508.8	510.0	508.8	505.1	499.0	490.6	479.7	466.6	451.2
-57.5°	428.8	429.4	429.9	430.0	429.9	429.4	428.8	427.8	426.6	425.1	423.3
-60°	416.6	418.5	419.6	420.0	419.6	418.5	416.6	414.0	410.6	406.5	401.8
-62.5°	366.6	379.6	387.4	390.0	387.4	379.6	366.6	348.4	325.2	296.9	263.8
-65°	154.5	157.6	159.4	160.0	159.4	157.6	154.5	150.3	144.8	138.2	130.5
-67.5°	99.2	99.6	99.9	100.0	99.9	99.6	99.2	98.6	97.8	96.8	95.6
-70°	88.6	89.4	89.8	90.0	89.8	89.4	88.6	87.5	86.1	84.3	82.3
-72.5°	69.4	69.7	69.9	70.0	69.9	69.7	69.4	68.9	68.3	67.5	66.7
-75°	59.5	59.8	59.9	60.0	59.9	59.8	59.5	59.1	58.5	57.9	57.2
-77.5°	49.6	49.8	50.0	50.0	50.0	49.8	49.6	49.2	48.8	48.3	47.7
-80°	39.7	39.8	40.0	40.0	40.0	39.8	39.7	39.4	39.0	38.6	38.1
-82.5°	29.7	29.9	30.0	30.0	30.0	29.9	29.7	29.5	29.3	29.0	28.6
-85°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
-87.5°	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.7	19.5	19.3	19.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-2R-S

**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°	18.8	18.5	18.1	17.7	17.3	16.9	16.4	15.9	15.3	14.7	14.1
85°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
82.5°	28.2	27.7	27.2	26.6	26.0	25.3	24.6	23.8	23.0	22.1	21.2
80°	37.6	36.9	36.2	35.4	34.6	33.7	32.7	31.7	30.6	29.4	28.2
77.5°	46.9	46.1	45.3	44.3	43.2	42.1	40.8	39.5	38.2	36.7	35.2
75°	56.3	55.3	54.3	53.1	51.8	50.4	49.0	47.4	45.7	44.0	42.2
72.5°	65.7	64.5	63.3	61.9	60.4	58.8	57.0	55.2	53.3	51.2	49.1
70°	80.0	77.4	74.5	71.3	68.9	67.1	65.1	63.0	60.8	58.4	56.0
67.5°	94.3	92.8	91.2	88.7	84.8	80.6	76.2	71.4	68.2	65.6	62.8
65°	121.6	111.6	100.5	98.1	95.9	93.5	91.0	86.7	81.1	75.2	69.6
62.5°	225.8	183.2	153.7	140.3	125.7	110.1	98.9	96.0	92.9	89.2	82.5
60°	396.3	390.1	339.1	282.2	220.6	158.6	140.3	120.9	100.5	96.5	92.8
57.5°	421.3	417.1	409.7	401.6	392.8	339.1	262.3	181.2	143.3	120.1	99.3
55°	433.7	428.0	425.3	422.3	417.4	407.2	396.3	350.3	257.9	161.6	134.3
52.5°	506.6	485.2	461.5	435.8	427.3	423.6	418.9	406.5	393.6	313.5	205.7
50°	613.6	578.7	540.3	502.4	472.4	440.5	427.1	422.6	414.0	399.5	347.1
47.5°	714.0	679.3	641.2	597.2	548.8	501.5	465.2	429.6	424.7	418.5	402.4
45°	825.3	781.1	733.7	689.2	641.5	587.3	529.0	482.0	439.5	425.7	420.0
42.5°	1265.2	996.7	840.3	783.8	725.9	671.7	613.3	548.3	490.4	443.7	425.7
40°	2571.0	1647.3	1299.0	958.7	821.2	752.8	690.1	626.5	554.7	490.4	439.5
37.5°	6015.8	3590.2	2507.6	1519.9	1132.3	843.9	767.7	696.3	626.5	548.3	482.0
35°	13129.7	8924.3	5225.8	3092.9	1774.0	1220.0	851.5	767.7	690.1	613.3	529.0
32.5°	24353.7	17720.0	10908.3	6677.9	3389.3	1918.3	1220.0	843.9	752.8	671.7	587.3
30°	36251.2	28502.2	20529.8	12370.9	7166.2	3389.3	1774.0	1132.3	821.2	725.9	641.5
27.5°	46676.5	39519.9	30628.9	21476.0	12370.9	6677.9	3092.9	1519.9	958.7	783.8	689.2
25°	54348.1	48662.8	40475.5	30628.9	20529.8	10908.3	5225.8	2507.6	1299.0	840.3	733.7
22.5°	59171.7	54925.6	48662.8	39519.9	28502.2	17720.0	8924.3	3590.2	1647.3	996.7	781.1
20°	61837.8	59171.7	54348.1	46676.5	36251.2	24353.7	13129.7	6015.8	2571.0	1265.2	825.3
17.5°	65138.8	61487.9	58273.6	52640.2	42779.3	30883.0	18726.6	8881.8	3404.2	1506.7	865.1
15°	68732.5	64067.8	60456.3	55914.9	48241.6	36743.8	23704.7	11482.1	4602.2	1982.6	1039.2
12.5°	73528.9	66803.0	62171.7	58787.2	52503.5	41488.0	28297.1	15451.4	6623.8	2567.5	1208.0
10°	78201.3	69779.0	64106.9	60118.6	54717.3	45154.9	32208.5	18756.8	8303.5	3052.5	1347.7
7.5°	83785.4	72802.4	65811.1	61178.0	56479.3	48063.4	35302.3	21365.4	9626.6	3434.0	1457.5
5°	87934.1	75031.4	67060.2	61951.1	57760.6	50172.7	37541.0	23249.6	10580.9	3708.7	1536.5
2.5°	90494.1	76398.9	67823.3	62421.9	58538.9	51451.5	38896.2	24388.8	11157.2	3874.6	1584.1
0°	<b>91360.0</b>	<b>76860.0</b>	<b>68080.0</b>	<b>62580.0</b>	<b>58800.0</b>	<b>51880.0</b>	<b>39350.0</b>	<b>24770.0</b>	<b>11350.0</b>	<b>3930.0</b>	<b>1600.0</b>
-2.5°	90494.1	76398.9	67823.3	62421.9	58538.9	51451.5	38896.2	24388.8	11157.2	3874.6	1584.1
-5°	87934.1	75031.4	67060.2	61951.1	57760.6	50172.7	37541.0	23249.6	10580.9	3708.7	1536.5
-7.5°	83785.4	72802.4	65811.1	61178.0	56479.3	48063.4	35302.3	21365.4	9626.6	3434.0	1457.5
-10°	78201.3	69779.0	64106.9	60118.6	54717.3	45154.9	32208.5	18756.8	8303.5	3052.5	1347.7
-12.5°	73528.9	66803.0	62171.7	58787.2	52503.5	41488.0	28297.1	15451.4	6623.8	2567.5	1208.0
-15°	68732.5	64067.8	60456.3	55914.9	48241.6	36743.8	23704.7	11482.1	4602.2	1982.6	1039.2
-17.5°	65138.8	61487.9	58273.6	52640.2	42779.3	30883.0	18726.6	8881.8	3404.2	1506.7	865.1
-20°	61837.8	59171.7	54348.1	46676.5	36251.2	24353.7	13129.7	6015.8	2571.0	1265.2	825.3



REPORT NUMBER: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-2R-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	59171.7	54925.6	48662.8	39519.9	28502.2	17720.0	8924.3	3590.2	1647.3	996.7	781.1
-25°	54348.1	48662.8	40475.5	30628.9	20529.8	10908.3	5225.8	2507.6	1299.0	840.3	733.7
-27.5°	46676.5	39519.9	30628.9	21476.0	12370.9	6677.9	3092.9	1519.9	958.7	783.8	689.2
-30°	36251.2	28502.2	20529.8	12370.9	7166.2	3389.3	1774.0	1132.3	821.2	725.9	641.5
-32.5°	24353.7	17720.0	10908.3	6677.9	3389.3	1918.3	1220.0	843.9	752.8	671.7	587.3
-35°	13129.7	8924.3	5225.8	3092.9	1774.0	1220.0	851.5	767.7	690.1	613.3	529.0
-37.5°	6015.8	3590.2	2507.6	1519.9	1132.3	843.9	767.7	696.3	626.5	548.3	482.0
-40°	2571.0	1647.3	1299.0	958.7	821.2	752.8	690.1	626.5	554.7	490.4	439.5
-42.5°	1265.2	996.7	840.3	783.8	725.9	671.7	613.3	548.3	490.4	443.7	425.7
-45°	825.3	781.1	733.7	689.2	641.5	587.3	529.0	482.0	439.5	425.7	420.0
-47.5°	714.0	679.3	641.2	597.2	548.8	501.5	465.2	429.6	424.7	418.5	402.4
-50°	613.6	578.7	540.3	502.4	472.4	440.5	427.1	422.6	414.0	399.5	347.1
-52.5°	506.6	485.2	461.5	435.8	427.3	423.6	418.9	406.5	393.6	313.5	205.7
-55°	433.7	428.0	425.3	422.3	417.4	407.2	396.3	350.3	257.9	161.6	134.3
-57.5°	421.3	417.1	409.7	401.6	392.8	339.1	262.3	181.2	143.3	120.1	99.3
-60°	396.3	390.1	339.1	282.2	220.6	158.6	140.3	120.9	100.5	96.5	92.8
-62.5°	225.8	183.2	153.7	140.3	125.7	110.1	98.9	96.0	92.9	89.2	82.5
-65°	121.6	111.6	100.5	98.1	95.9	93.5	91.0	86.7	81.1	75.2	69.6
-67.5°	94.3	92.8	91.2	88.7	84.8	80.6	76.2	71.4	68.2	65.6	62.8
-70°	80.0	77.4	74.5	71.3	68.9	67.1	65.1	63.0	60.8	58.4	56.0
-72.5°	65.7	64.5	63.3	61.9	60.4	58.8	57.0	55.2	53.3	51.2	49.1
-75°	56.3	55.3	54.3	53.1	51.8	50.4	49.0	47.4	45.7	44.0	42.2
-77.5°	46.9	46.1	45.3	44.3	43.2	42.1	40.8	39.5	38.2	36.7	35.2
-80°	37.6	36.9	36.2	35.4	34.6	33.7	32.7	31.7	30.6	29.4	28.2
-82.5°	28.2	27.7	27.2	26.6	26.0	25.3	24.6	23.8	23.0	22.1	21.2
-85°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
-87.5°	18.8	18.5	18.1	17.7	17.3	16.9	16.4	15.9	15.3	14.7	14.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P699910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-2R-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.5	12.9	12.2	11.5	10.7	10.0	9.2	8.5	7.7	6.8	6.0
85°	20.0	20.0	20.0	20.0	20.0	20.0	18.5	16.9	15.3	13.7	12.0
82.5°	20.2	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0
80°	26.9	25.6	24.3	22.9	21.4	20.0	20.0	20.0	20.0	20.0	20.0
77.5°	33.6	32.0	30.3	28.5	26.7	24.9	22.9	21.0	20.0	20.0	20.0
75°	40.3	38.3	36.3	34.1	32.0	29.7	27.5	25.1	22.7	20.3	20.0
72.5°	46.9	44.6	42.2	39.7	37.2	34.6	31.9	29.2	26.4	23.6	20.8
70°	53.4	50.8	48.1	45.3	42.4	39.4	36.3	33.2	30.1	26.9	23.6
67.5°	59.9	57.0	53.9	50.7	47.5	44.1	40.7	37.2	33.7	30.1	26.4
65°	66.4	63.1	59.6	56.1	52.5	48.8	45.0	41.2	37.2	33.2	29.2
62.5°	75.4	69.1	65.3	61.4	57.5	53.4	49.2	45.0	40.7	36.3	31.9
60°	87.9	80.0	71.8	66.7	62.3	57.9	53.4	48.8	44.1	39.4	34.6
57.5°	95.1	90.8	82.7	73.6	67.1	62.3	57.5	52.5	47.5	42.4	37.2
55°	107.2	96.5	91.7	83.7	73.6	66.7	61.4	56.1	50.7	45.3	39.7
52.5°	142.8	112.9	97.0	91.7	82.7	71.8	65.3	59.6	53.9	48.1	42.2
50°	227.9	145.7	112.9	96.5	90.8	80.0	69.1	63.1	57.0	50.8	44.6
47.5°	358.4	227.9	142.8	107.2	95.1	87.9	75.4	66.4	59.9	53.4	46.9
45°	402.4	347.1	205.7	134.3	99.3	92.8	82.5	69.6	62.8	56.0	49.1
42.5°	418.5	399.5	313.5	161.6	120.1	96.5	89.2	75.2	65.6	58.4	51.2
40°	424.7	414.0	393.6	257.9	143.3	100.5	92.9	81.1	68.2	60.8	53.3
37.5°	429.6	422.6	406.5	350.3	181.2	120.9	96.0	86.7	71.4	63.0	55.2
35°	465.2	427.1	418.9	396.3	262.3	140.3	98.9	91.0	76.2	65.1	57.0
32.5°	501.5	440.5	423.6	407.2	339.1	158.6	110.1	93.5	80.6	67.1	58.8
30°	548.8	472.4	427.3	417.4	392.8	220.6	125.7	95.9	84.8	68.9	60.4
27.5°	597.2	502.4	435.8	422.3	401.6	282.2	140.3	98.1	88.7	71.3	61.9
25°	641.2	540.3	461.5	425.3	409.7	339.1	153.7	100.5	91.2	74.5	63.3
22.5°	679.3	578.7	485.2	428.0	417.1	390.1	183.2	111.6	92.8	77.4	64.5
20°	714.0	613.6	506.6	433.7	421.3	396.3	225.8	121.6	94.3	80.0	65.7
17.5°	746.0	643.6	533.6	451.2	423.3	401.8	263.8	130.5	95.6	82.3	66.7
15°	778.3	668.8	558.8	466.6	425.1	406.5	296.9	138.2	96.8	84.3	67.5
12.5°	805.9	690.3	580.3	479.7	426.6	410.6	325.2	144.8	97.8	86.1	68.3
10°	828.8	708.0	598.1	490.6	427.8	414.0	348.4	150.3	98.6	87.5	68.9
7.5°	846.7	722.0	612.0	499.0	428.8	416.6	366.6	154.5	99.2	88.6	69.4
5°	859.6	732.0	622.0	505.1	429.4	418.5	379.6	157.6	99.6	89.4	69.7
2.5°	867.4	738.0	628.0	508.8	429.9	419.6	387.4	159.4	99.9	89.8	69.9
0°	870.0	740.0	630.0	510.0	430.0	420.0	390.0	160.0	100.0	90.0	70.0
-2.5°	867.4	738.0	628.0	508.8	429.9	419.6	387.4	159.4	99.9	89.8	69.9
-5°	859.6	732.0	622.0	505.1	429.4	418.5	379.6	157.6	99.6	89.4	69.7
-7.5°	846.7	722.0	612.0	499.0	428.8	416.6	366.6	154.5	99.2	88.6	69.4
-10°	828.8	708.0	598.1	490.6	427.8	414.0	348.4	150.3	98.6	87.5	68.9
-12.5°	805.9	690.3	580.3	479.7	426.6	410.6	325.2	144.8	97.8	86.1	68.3
-15°	778.3	668.8	558.8	466.6	425.1	406.5	296.9	138.2	96.8	84.3	67.5
-17.5°	746.0	643.6	533.6	451.2	423.3	401.8	263.8	130.5	95.6	82.3	66.7
-20°	714.0	613.6	506.6	433.7	421.3	396.3	225.8	121.6	94.3	80.0	65.7



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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°	679.3	578.7	485.2	428.0	417.1	390.1	183.2	111.6	92.8	77.4	64.5
-25°	641.2	540.3	461.5	425.3	409.7	339.1	153.7	100.5	91.2	74.5	63.3
-27.5°	597.2	502.4	435.8	422.3	401.6	282.2	140.3	98.1	88.7	71.3	61.9
-30°	548.8	472.4	427.3	417.4	392.8	220.6	125.7	95.9	84.8	68.9	60.4
-32.5°	501.5	440.5	423.6	407.2	339.1	158.6	110.1	93.5	80.6	67.1	58.8
-35°	465.2	427.1	418.9	396.3	262.3	140.3	98.9	91.0	76.2	65.1	57.0
-37.5°	429.6	422.6	406.5	350.3	181.2	120.9	96.0	86.7	71.4	63.0	55.2
-40°	424.7	414.0	393.6	257.9	143.3	100.5	92.9	81.1	68.2	60.8	53.3
-42.5°	418.5	399.5	313.5	161.6	120.1	96.5	89.2	75.2	65.6	58.4	51.2
-45°	402.4	347.1	205.7	134.3	99.3	92.8	82.5	69.6	62.8	56.0	49.1
-47.5°	358.4	227.9	142.8	107.2	95.1	87.9	75.4	66.4	59.9	53.4	46.9
-50°	227.9	145.7	112.9	96.5	90.8	80.0	69.1	63.1	57.0	50.8	44.6
-52.5°	142.8	112.9	97.0	91.7	82.7	71.8	65.3	59.6	53.9	48.1	42.2
-55°	107.2	96.5	91.7	83.7	73.6	66.7	61.4	56.1	50.7	45.3	39.7
-57.5°	95.1	90.8	82.7	73.6	67.1	62.3	57.5	52.5	47.5	42.4	37.2
-60°	87.9	80.0	71.8	66.7	62.3	57.9	53.4	48.8	44.1	39.4	34.6
-62.5°	75.4	69.1	65.3	61.4	57.5	53.4	49.2	45.0	40.7	36.3	31.9
-65°	66.4	63.1	59.6	56.1	52.5	48.8	45.0	41.2	37.2	33.2	29.2
-67.5°	59.9	57.0	53.9	50.7	47.5	44.1	40.7	37.2	33.7	30.1	26.4
-70°	53.4	50.8	48.1	45.3	42.4	39.4	36.3	33.2	30.1	26.9	23.6
-72.5°	46.9	44.6	42.2	39.7	37.2	34.6	31.9	29.2	26.4	23.6	20.8
-75°	40.3	38.3	36.3	34.1	32.0	29.7	27.5	25.1	22.7	20.3	20.0
-77.5°	33.6	32.0	30.3	28.5	26.7	24.9	22.9	21.0	20.0	20.0	20.0
-80°	26.9	25.6	24.3	22.9	21.4	20.0	20.0	20.0	20.0	20.0	20.0
-82.5°	20.2	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0
-85°	20.0	20.0	20.0	20.0	20.0	20.0	18.5	16.9	15.3	13.7	12.0
-87.5°	13.5	12.9	12.2	11.5	10.7	10.0	9.2	8.5	7.7	6.8	6.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
85°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
82.5°	15.5	13.0	10.4	7.8	5.2	2.6	0.0
80°	20.0	17.2	13.8	10.4	6.9	3.5	0.0
77.5°	20.0	20.0	17.2	13.0	8.6	4.3	0.0
75°	20.0	20.0	20.0	15.5	10.3	5.2	0.0
72.5°	20.0	20.0	20.0	18.0	12.0	6.0	0.0
70°	20.3	20.0	20.0	20.0	13.7	6.8	0.0
67.5°	22.7	20.0	20.0	20.0	15.3	7.7	0.0
65°	25.1	21.0	20.0	20.0	16.9	8.5	0.0
62.5°	27.5	22.9	20.0	20.0	18.5	9.2	0.0
60°	29.7	24.9	20.0	20.0	20.0	10.0	0.0
57.5°	32.0	26.7	21.4	20.0	20.0	10.7	0.0
55°	34.1	28.5	22.9	20.0	20.0	11.5	0.0
52.5°	36.3	30.3	24.3	20.0	20.0	12.2	0.0
50°	38.3	32.0	25.6	20.0	20.0	12.9	0.0
47.5°	40.3	33.6	26.9	20.2	20.0	13.5	0.0
45°	42.2	35.2	28.2	21.2	20.0	14.1	0.0
42.5°	44.0	36.7	29.4	22.1	20.0	14.7	0.0
40°	45.7	38.2	30.6	23.0	20.0	15.3	0.0
37.5°	47.4	39.5	31.7	23.8	20.0	15.9	0.0
35°	49.0	40.8	32.7	24.6	20.0	16.4	0.0
32.5°	50.4	42.1	33.7	25.3	20.0	16.9	0.0
30°	51.8	43.2	34.6	26.0	20.0	17.3	0.0
27.5°	53.1	44.3	35.4	26.6	20.0	17.7	0.0
25°	54.3	45.3	36.2	27.2	20.0	18.1	0.0
22.5°	55.3	46.1	36.9	27.7	20.0	18.5	0.0
20°	56.3	46.9	37.6	28.2	20.0	18.8	0.0
17.5°	57.2	47.7	38.1	28.6	20.0	19.1	0.0
15°	57.9	48.3	38.6	29.0	20.0	19.3	0.0
12.5°	58.5	48.8	39.0	29.3	20.0	19.5	0.0
10°	59.1	49.2	39.4	29.5	20.0	19.7	0.0
7.5°	59.5	49.6	39.7	29.7	20.0	19.8	0.0
5°	59.8	49.8	39.8	29.9	20.0	19.9	0.0
2.5°	59.9	50.0	40.0	30.0	20.0	20.0	0.0
0°	60.0	50.0	40.0	30.0	20.0	20.0	0.0
-2.5°	59.9	50.0	40.0	30.0	20.0	20.0	0.0
-5°	59.8	49.8	39.8	29.9	20.0	19.9	0.0
-7.5°	59.5	49.6	39.7	29.7	20.0	19.8	0.0
-10°	59.1	49.2	39.4	29.5	20.0	19.7	0.0
-12.5°	58.5	48.8	39.0	29.3	20.0	19.5	0.0
-15°	57.9	48.3	38.6	29.0	20.0	19.3	0.0
-17.5°	57.2	47.7	38.1	28.6	20.0	19.1	0.0
-20°	56.3	46.9	37.6	28.2	20.0	18.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	55.3	46.1	36.9	27.7	20.0	18.5	0.0
-25°	54.3	45.3	36.2	27.2	20.0	18.1	0.0
-27.5°	53.1	44.3	35.4	26.6	20.0	17.7	0.0
-30°	51.8	43.2	34.6	26.0	20.0	17.3	0.0
-32.5°	50.4	42.1	33.7	25.3	20.0	16.9	0.0
-35°	49.0	40.8	32.7	24.6	20.0	16.4	0.0
-37.5°	47.4	39.5	31.7	23.8	20.0	15.9	0.0
-40°	45.7	38.2	30.6	23.0	20.0	15.3	0.0
-42.5°	44.0	36.7	29.4	22.1	20.0	14.7	0.0
-45°	42.2	35.2	28.2	21.2	20.0	14.1	0.0
-47.5°	40.3	33.6	26.9	20.2	20.0	13.5	0.0
-50°	38.3	32.0	25.6	20.0	20.0	12.9	0.0
-52.5°	36.3	30.3	24.3	20.0	20.0	12.2	0.0
-55°	34.1	28.5	22.9	20.0	20.0	11.5	0.0
-57.5°	32.0	26.7	21.4	20.0	20.0	10.7	0.0
-60°	29.7	24.9	20.0	20.0	20.0	10.0	0.0
-62.5°	27.5	22.9	20.0	20.0	18.5	9.2	0.0
-65°	25.1	21.0	20.0	20.0	16.9	8.5	0.0
-67.5°	22.7	20.0	20.0	20.0	15.3	7.7	0.0
-70°	20.3	20.0	20.0	20.0	13.7	6.8	0.0
-72.5°	20.0	20.0	20.0	18.0	12.0	6.0	0.0
-75°	20.0	20.0	20.0	15.5	10.3	5.2	0.0
-77.5°	20.0	20.0	17.2	13.0	8.6	4.3	0.0
-80°	20.0	17.2	13.8	10.4	6.9	3.5	0.0
-82.5°	15.5	13.0	10.4	7.8	5.2	2.6	0.0
-85°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
-87.5°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)