

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: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200L-57-70-3S-A**

Issue Date: 2/3/2026

**Test Information**

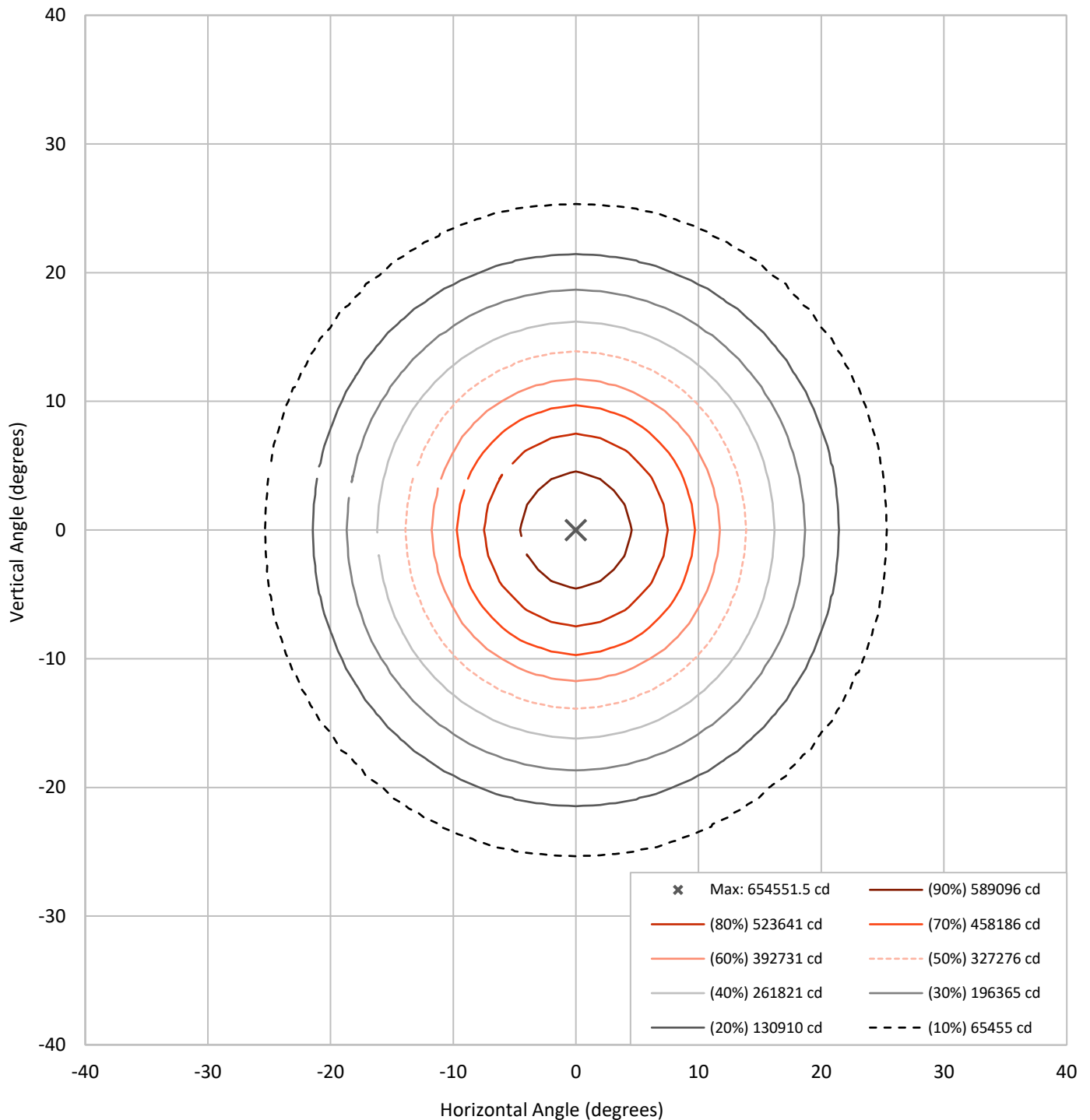
Test Method: LM-79-08  
Report Number: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200L-57-70-3S-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	190942.8 lumens	Max Intensity:	654551.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	156.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	27.8°H x 27.8°V	Field Angle (10%):	50.4°H x 50.4°V
Beam Lumens:	83939 lumens	Field Lumens:	156175.7 lumens
Beam Efficiency:	44.0%	Field Efficiency:	81.8%
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





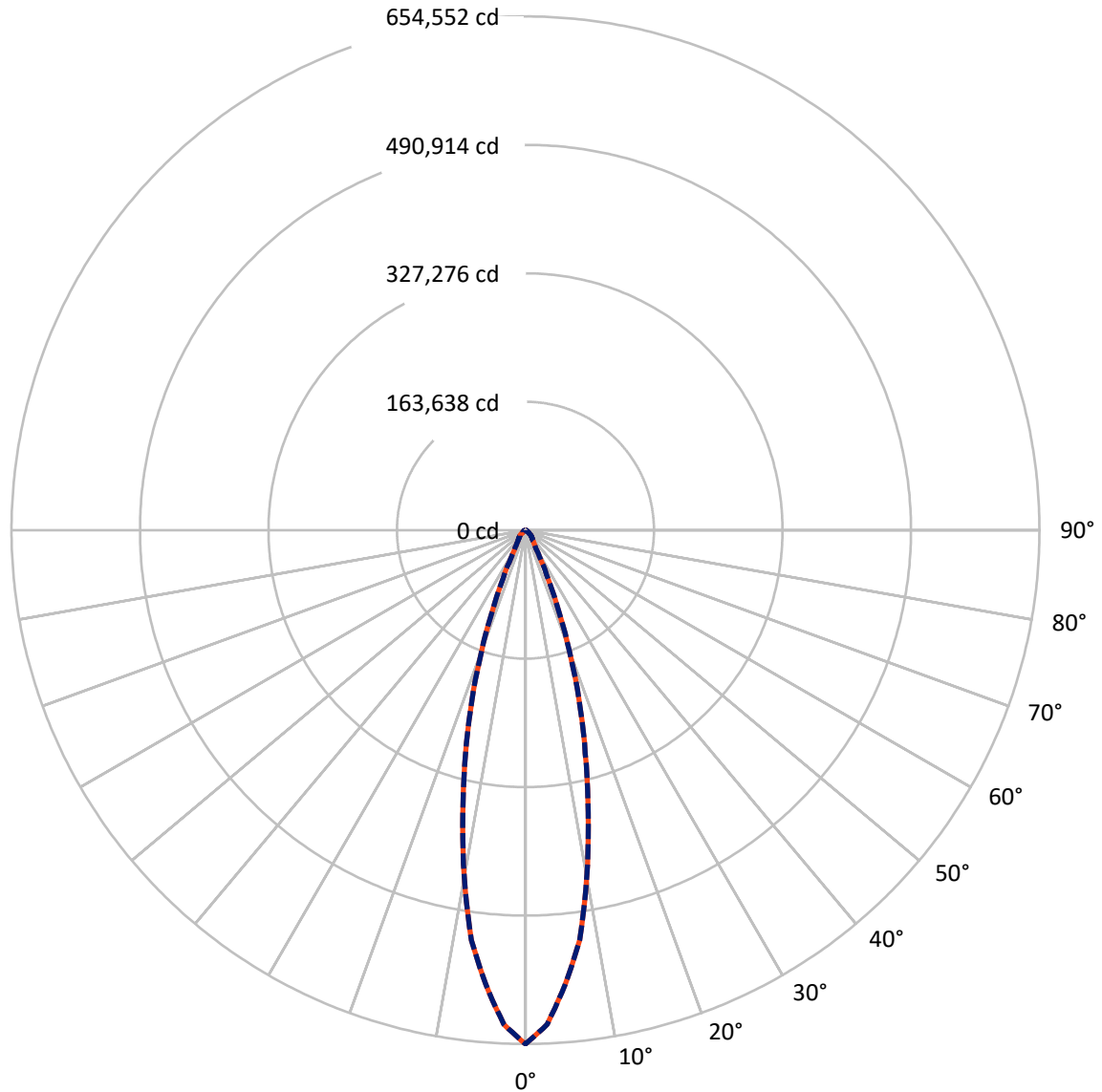
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### Lumen Table

90																
80	0.4	2.4		8.9		21.4		27.7		21.4		8.9		2.4		0.4
70																
60	1.1	1.3	5.3	14.5	27.6	41.5	53.2	59.6	59.6	53.2	41.5	27.6	14.5	5.3	1.3	1.1
50		4.0	16.5	38.1	65.9	95.3	119.5	133.1	133.1	119.5	95.3	65.9	38.1	16.5	4.0	
40	2.9	9.0	31.1	67.3	114.0	179.7	252.4	294.7	294.7	252.4	179.7	114.0	67.3	31.1	9.0	2.9
30		14.7	46.6	98.7	198.7	326.0	442.0	536.5	536.5	442.0	326.0	198.7	98.7	46.6	14.7	
20	6.2	19.9	61.0	141.3	295.3	511.7	1132.8	2122.0	2122.0	1132.8	511.7	295.3	141.3	61.0	19.9	6.2
10		24.0	71.8	186.6	376.5	1068.6	4176.6	8143.0	8143.0	4176.6	1068.6	376.5	186.6	71.8	24.0	
0	7.6	26.1	77.6	211.2	444.1	1950.5	7919.9	15427.3	15427.3	7919.9	1950.5	444.1	211.2	77.6	26.1	7.6
-10		26.1	77.6	211.2	444.1	1950.5	7919.9	15427.3	15427.3	7919.9	1950.5	444.1	211.2	77.6	26.1	
-20	6.2	24.0	71.8	186.6	376.5	1068.6	4176.6	8143.0	8143.0	4176.6	1068.6	376.5	186.6	71.8	24.0	6.2
-30		19.9	61.0	141.3	295.3	511.7	1132.8	2122.0	2122.0	1132.8	511.7	295.3	141.3	61.0	19.9	
-40	2.9	14.7	46.6	98.7	198.7	326.0	442.0	536.5	536.5	442.0	326.0	198.7	98.7	46.6	14.7	2.9
-50		9.0	31.1	67.3	114.0	179.7	252.4	294.7	294.7	252.4	179.7	114.0	67.3	31.1	9.0	
-60	1.1	4.0	16.5	38.1	65.9	95.3	119.5	133.1	133.1	119.5	95.3	65.9	38.1	16.5	4.0	1.1
-70		1.3	5.3	14.5	27.6	41.5	53.2	59.6	59.6	53.2	41.5	27.6	14.5	5.3	1.3	
-80																
-90	0.4	2.4		8.9		21.4		27.7		21.4		8.9		2.4		0.4

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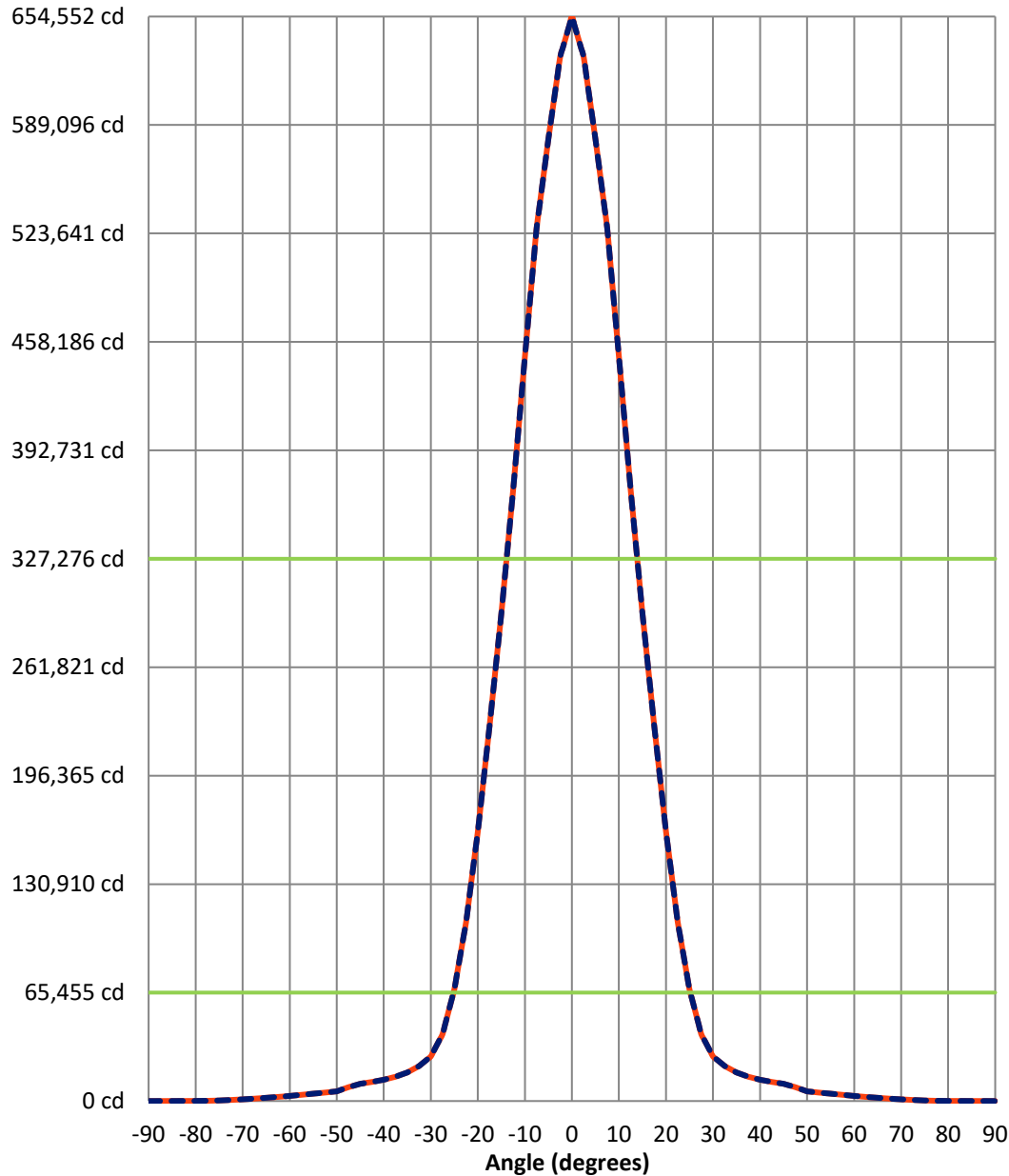
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 27.8°  
 V Angle: 27.8°  
 Lumens: 83939  
 Efficiency: 44.0%

**Field:**  
 H Angle: 50.4°  
 V Angle: 50.4°  
 Lumens: 156175.7  
 Efficiency: 81.8%

**Spill:**  
 Lumens: 34767.1  
 Efficiency: 18.2%

— 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	0.9	1.8	2.7	3.6	4.4	5.3	6.2	7.0	7.8	8.7
85°	0.0	1.8	3.6	5.3	7.1	8.9	10.6	12.3	14.0	15.7	17.3
82.5°	0.0	2.7	5.3	8.0	10.6	13.3	15.9	18.4	20.8	22.6	24.4
80°	0.0	3.6	7.1	10.6	14.2	17.7	20.9	23.4	25.8	28.2	30.5
77.5°	0.0	4.4	8.9	13.3	17.7	21.6	24.7	27.7	30.8	33.7	37.1
75°	0.0	5.3	10.6	15.9	20.9	24.7	28.4	32.0	35.8	40.6	45.2
72.5°	0.0	6.2	12.3	18.4	23.4	27.7	32.0	36.7	42.3	47.8	53.2
70°	0.0	7.0	14.0	20.8	25.8	30.8	35.8	42.3	48.7	55.0	62.4
67.5°	0.0	7.8	15.7	22.6	28.2	33.7	40.6	47.8	55.0	63.5	71.8
65°	0.0	8.7	17.3	24.4	30.5	37.1	45.2	53.2	62.4	71.8	86.5
62.5°	0.0	9.5	18.9	26.1	32.8	41.0	49.8	59.3	69.7	83.4	114.1
60°	0.0	10.2	20.5	27.8	35.1	44.7	54.3	65.6	76.9	107.7	141.1
57.5°	0.0	11.0	21.6	29.4	38.0	48.4	59.4	71.7	95.1	131.6	198.6
55°	0.0	11.8	22.6	31.0	40.8	51.9	64.6	77.7	115.8	163.7	269.3
52.5°	0.0	12.5	23.7	32.6	43.6	55.5	69.5	93.9	135.9	225.7	338.1
50°	0.0	13.2	24.7	34.1	46.2	59.5	74.3	111.0	165.3	285.8	439.6
47.5°	0.0	13.8	25.6	35.7	48.8	63.3	80.3	127.5	217.0	344.0	541.9
45°	0.0	14.5	26.6	37.5	51.3	67.1	93.9	143.3	266.7	431.9	640.6
42.5°	0.0	15.1	27.5	39.3	53.7	70.6	106.9	173.9	314.4	517.0	753.7
40°	0.0	15.7	28.3	41.0	56.2	74.0	119.3	213.7	368.7	598.4	864.9
37.5°	0.0	16.3	29.1	42.6	58.7	77.2	131.1	251.6	437.3	680.9	971.0
35°	0.0	16.8	29.9	44.1	61.2	84.4	142.3	287.4	502.4	770.9	1077.3
32.5°	0.0	17.3	30.6	45.6	63.5	93.1	158.2	321.2	563.7	855.8	1186.2
30°	0.0	17.8	31.3	46.9	65.6	101.2	185.1	357.0	621.0	935.4	1288.3
27.5°	0.0	18.2	31.9	48.1	67.6	108.8	210.1	403.4	678.8	1009.3	1383.3
25°	0.0	18.6	32.4	49.3	69.4	115.8	233.1	446.1	739.0	1084.1	1471.6
22.5°	0.0	18.9	33.0	50.3	71.1	122.1	254.1	485.0	793.9	1155.5	1563.7
20°	0.0	19.3	33.4	51.2	72.6	127.9	273.0	520.1	843.4	1220.0	1646.8
17.5°	0.0	19.6	33.8	52.1	73.9	132.9	289.8	551.3	887.4	1277.3	1720.8
15°	0.0	19.8	34.2	52.8	75.1	137.3	304.4	578.5	925.7	1327.3	1785.3
12.5°	0.0	20.0	34.5	53.4	76.0	141.1	316.9	601.6	958.4	1369.9	1840.3
10°	0.0	20.2	34.8	53.9	76.9	144.2	327.1	620.6	985.2	1404.8	1885.5
7.5°	0.0	20.3	34.9	54.3	77.5	146.6	335.0	635.4	1006.1	1432.2	1920.8
5°	0.0	20.4	35.1	54.6	77.9	148.3	340.7	646.0	1021.1	1451.7	1946.1
2.5°	0.0	20.5	35.2	54.7	78.2	149.4	344.2	652.4	1030.1	1463.5	1961.3
0°	0.0	20.5	35.2	54.8	78.3	149.7	345.3	654.5	1033.1	1467.4	1966.4
-2.5°	0.0	20.5	35.2	54.7	78.2	149.4	344.2	652.4	1030.1	1463.5	1961.3
-5°	0.0	20.4	35.1	54.6	77.9	148.3	340.7	646.0	1021.1	1451.7	1946.1
-7.5°	0.0	20.3	34.9	54.3	77.5	146.6	335.0	635.4	1006.1	1432.2	1920.8
-10°	0.0	20.2	34.8	53.9	76.9	144.2	327.1	620.6	985.2	1404.8	1885.5
-12.5°	0.0	20.0	34.5	53.4	76.0	141.1	316.9	601.6	958.4	1369.9	1840.3
-15°	0.0	19.8	34.2	52.8	75.1	137.3	304.4	578.5	925.7	1327.3	1785.3
-17.5°	0.0	19.6	33.8	52.1	73.9	132.9	289.8	551.3	887.4	1277.3	1720.8
-20°	0.0	19.3	33.4	51.2	72.6	127.9	273.0	520.1	843.4	1220.0	1646.8



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 CATALOG NUMBER: EPH-LS16-1200L-57-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.9	33.0	50.3	71.1	122.1	254.1	485.0	793.9	1155.5	1563.7
-25°	0.0	18.6	32.4	49.3	69.4	115.8	233.1	446.1	739.0	1084.1	1471.6
-27.5°	0.0	18.2	31.9	48.1	67.6	108.8	210.1	403.4	678.8	1009.3	1383.3
-30°	0.0	17.8	31.3	46.9	65.6	101.2	185.1	357.0	621.0	935.4	1288.3
-32.5°	0.0	17.3	30.6	45.6	63.5	93.1	158.2	321.2	563.7	855.8	1186.2
-35°	0.0	16.8	29.9	44.1	61.2	84.4	142.3	287.4	502.4	770.9	1077.3
-37.5°	0.0	16.3	29.1	42.6	58.7	77.2	131.1	251.6	437.3	680.9	971.0
-40°	0.0	15.7	28.3	41.0	56.2	74.0	119.3	213.7	368.7	598.4	864.9
-42.5°	0.0	15.1	27.5	39.3	53.7	70.6	106.9	173.9	314.4	517.0	753.7
-45°	0.0	14.5	26.6	37.5	51.3	67.1	93.9	143.3	266.7	431.9	640.6
-47.5°	0.0	13.8	25.6	35.7	48.8	63.3	80.3	127.5	217.0	344.0	541.9
-50°	0.0	13.2	24.7	34.1	46.2	59.5	74.3	111.0	165.3	285.8	439.6
-52.5°	0.0	12.5	23.7	32.6	43.6	55.5	69.5	93.9	135.9	225.7	338.1
-55°	0.0	11.8	22.6	31.0	40.8	51.9	64.6	77.7	115.8	163.7	269.3
-57.5°	0.0	11.0	21.6	29.4	38.0	48.4	59.4	71.7	95.1	131.6	198.6
-60°	0.0	10.2	20.5	27.8	35.1	44.7	54.3	65.6	76.9	107.7	141.1
-62.5°	0.0	9.5	18.9	26.1	32.8	41.0	49.8	59.3	69.7	83.4	114.1
-65°	0.0	8.7	17.3	24.4	30.5	37.1	45.2	53.2	62.4	71.8	86.5
-67.5°	0.0	7.8	15.7	22.6	28.2	33.7	40.6	47.8	55.0	63.5	71.8
-70°	0.0	7.0	14.0	20.8	25.8	30.8	35.8	42.3	48.7	55.0	62.4
-72.5°	0.0	6.2	12.3	18.4	23.4	27.7	32.0	36.7	42.3	47.8	53.2
-75°	0.0	5.3	10.6	15.9	20.9	24.7	28.4	32.0	35.8	40.6	45.2
-77.5°	0.0	4.4	8.9	13.3	17.7	21.6	24.7	27.7	30.8	33.7	37.1
-80°	0.0	3.6	7.1	10.6	14.2	17.7	20.9	23.4	25.8	28.2	30.5
-82.5°	0.0	2.7	5.3	8.0	10.6	13.3	15.9	18.4	20.8	22.6	24.4
-85°	0.0	1.8	3.6	5.3	7.1	8.9	10.6	12.3	14.0	15.7	17.3
-87.5°	0.0	0.9	1.8	2.7	3.6	4.4	5.3	6.2	7.0	7.8	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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 CATALOG NUMBER: EPH-LS16-1200L-57-70-3S-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°	9.5	10.2	11.0	11.8	12.5	13.2	13.8	14.5	15.1	15.7	16.3
85°	18.9	20.5	21.6	22.6	23.7	24.7	25.6	26.6	27.5	28.3	29.1
82.5°	26.1	27.8	29.4	31.0	32.6	34.1	35.7	37.5	39.3	41.0	42.6
80°	32.8	35.1	38.0	40.8	43.6	46.2	48.8	51.3	53.7	56.2	58.7
77.5°	41.0	44.7	48.4	51.9	55.5	59.5	63.3	67.1	70.6	74.0	77.2
75°	49.8	54.3	59.4	64.6	69.5	74.3	80.3	93.9	106.9	119.3	131.1
72.5°	59.3	65.6	71.7	77.7	93.9	111.0	127.5	143.3	173.9	213.7	251.6
70°	69.7	76.9	95.1	115.8	135.9	165.3	217.0	266.7	314.4	368.7	437.3
67.5°	83.4	107.7	131.6	163.7	225.7	285.8	344.0	431.9	517.0	598.4	680.9
65°	114.1	141.1	198.6	269.3	338.1	439.6	541.9	640.6	753.7	864.9	971.0
62.5°	144.3	216.1	295.6	389.6	509.2	625.5	757.0	890.3	1018.5	1157.3	1291.8
60°	216.1	304.4	417.5	551.3	688.0	843.4	994.1	1155.5	1316.6	1471.6	1641.2
57.5°	295.6	417.5	565.4	722.6	895.6	1068.6	1256.2	1437.7	1634.5	1827.7	2014.7
55°	389.6	551.3	722.6	913.1	1109.0	1317.1	1527.1	1752.3	1969.9	2188.9	2398.5
52.5°	509.2	688.0	895.6	1109.0	1337.5	1574.3	1823.7	2070.2	2315.0	2559.2	2815.8
50°	625.5	843.4	1068.6	1317.1	1574.3	1847.5	2120.7	2391.4	2675.8	2962.7	3262.9
47.5°	757.0	994.1	1256.2	1527.1	1823.7	2120.7	2417.0	2734.5	3051.8	3401.7	3742.9
45°	890.3	1155.5	1437.7	1752.3	2070.2	2391.4	2734.5	3081.6	3471.6	3848.8	4211.6
42.5°	1018.5	1316.6	1634.5	1969.9	2315.0	2675.8	3051.8	3471.6	3884.3	4283.7	4660.6
40°	1157.3	1471.6	1827.7	2188.9	2559.2	2962.7	3401.7	3848.8	4283.7	4695.9	5088.4
37.5°	1291.8	1641.2	2014.7	2398.5	2815.8	3262.9	3742.9	4211.6	4660.6	5088.4	5562.8
35°	1419.6	1802.4	2198.8	2613.1	3060.7	3567.7	4068.6	4555.3	5016.5	5520.5	6398.1
32.5°	1551.1	1954.8	2373.1	2828.0	3326.3	3857.2	4378.8	4874.0	5394.3	6110.6	7871.7
30°	1681.2	2104.1	2543.5	3030.4	3579.9	4130.0	4663.5	5186.6	5766.3	7432.0	9105.8
27.5°	1802.4	2243.8	2717.1	3241.2	3817.2	4385.9	4928.2	5513.9	6709.2	8623.0	10184.2
25°	1914.3	2373.1	2877.9	3444.1	4036.9	4616.9	5184.9	5819.3	7801.5	9569.7	10847.6
22.5°	2019.1	2491.7	3025.2	3630.2	4238.8	4827.1	5446.3	6656.6	8728.8	10430.1	11373.1
20°	2115.9	2613.1	3170.6	3798.7	4422.0	5018.0	5684.3	7512.8	9475.6	10878.4	11912.8
17.5°	2202.1	2721.3	3308.2	3948.9	4580.3	5201.2	5978.4	8281.7	10147.6	11282.8	12427.9
15°	2277.4	2815.8	3428.5	4080.3	4718.1	5373.8	6602.5	8847.0	10592.8	11658.8	12889.1
12.5°	2341.5	2896.4	3531.2	4192.6	4835.9	5521.4	7137.2	9316.5	10876.7	12022.1	13422.2
10°	2394.3	2962.7	3615.7	4285.1	4933.1	5643.4	7579.4	9705.2	11112.1	12323.9	13866.0
7.5°	2435.5	3014.6	3681.9	4357.5	5009.2	5739.0	7926.3	10010.6	11297.2	12561.7	14216.3
5°	2465.1	3051.8	3729.3	4409.5	5063.8	5807.7	8175.7	10230.3	11430.6	12733.2	14469.3
2.5°	2482.9	3074.1	3757.9	4440.8	5096.7	5849.1	8326.0	10362.8	11511.1	12836.8	14622.3
0°	<b>2488.8</b>	<b>3081.6</b>	<b>3767.4</b>	<b>4451.2</b>	<b>5107.7</b>	<b>5862.9</b>	<b>8376.2</b>	<b>10407.1</b>	<b>11538.0</b>	<b>12871.4</b>	<b>14673.5</b>
-2.5°	2482.9	3074.1	3757.9	4440.8	5096.7	5849.1	8326.0	10362.8	11511.1	12836.8	14622.3
-5°	2465.1	3051.8	3729.3	4409.5	5063.8	5807.7	8175.7	10230.3	11430.6	12733.2	14469.3
-7.5°	2435.5	3014.6	3681.9	4357.5	5009.2	5739.0	7926.3	10010.6	11297.2	12561.7	14216.3
-10°	2394.3	2962.7	3615.7	4285.1	4933.1	5643.4	7579.4	9705.2	11112.1	12323.9	13866.0
-12.5°	2341.5	2896.4	3531.2	4192.6	4835.9	5521.4	7137.2	9316.5	10876.7	12022.1	13422.2
-15°	2277.4	2815.8	3428.5	4080.3	4718.1	5373.8	6602.5	8847.0	10592.8	11658.8	12889.1
-17.5°	2202.1	2721.3	3308.2	3948.9	4580.3	5201.2	5978.4	8281.7	10147.6	11282.8	12427.9
-20°	2115.9	2613.1	3170.6	3798.7	4422.0	5018.0	5684.3	7512.8	9475.6	10878.4	11912.8



REPORT NUMBER: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2019.1	2491.7	3025.2	3630.2	4238.8	4827.1	5446.3	6656.6	8728.8	10430.1	11373.1
-25°	1914.3	2373.1	2877.9	3444.1	4036.9	4616.9	5184.9	5819.3	7801.5	9569.7	10847.6
-27.5°	1802.4	2243.8	2717.1	3241.2	3817.2	4385.9	4928.2	5513.9	6709.2	8623.0	10184.2
-30°	1681.2	2104.1	2543.5	3030.4	3579.9	4130.0	4663.5	5186.6	5766.3	7432.0	9105.8
-32.5°	1551.1	1954.8	2373.1	2828.0	3326.3	3857.2	4378.8	4874.0	5394.3	6110.6	7871.7
-35°	1419.6	1802.4	2198.8	2613.1	3060.7	3567.7	4068.6	4555.3	5016.5	5520.5	6398.1
-37.5°	1291.8	1641.2	2014.7	2398.5	2815.8	3262.9	3742.9	4211.6	4660.6	5088.4	5562.8
-40°	1157.3	1471.6	1827.7	2188.9	2559.2	2962.7	3401.7	3848.8	4283.7	4695.9	5088.4
-42.5°	1018.5	1316.6	1634.5	1969.9	2315.0	2675.8	3051.8	3471.6	3884.3	4283.7	4660.6
-45°	890.3	1155.5	1437.7	1752.3	2070.2	2391.4	2734.5	3081.6	3471.6	3848.8	4211.6
-47.5°	757.0	994.1	1256.2	1527.1	1823.7	2120.7	2417.0	2734.5	3051.8	3401.7	3742.9
-50°	625.5	843.4	1068.6	1317.1	1574.3	1847.5	2120.7	2391.4	2675.8	2962.7	3262.9
-52.5°	509.2	688.0	895.6	1109.0	1337.5	1574.3	1823.7	2070.2	2315.0	2559.2	2815.8
-55°	389.6	551.3	722.6	913.1	1109.0	1317.1	1527.1	1752.3	1969.9	2188.9	2398.5
-57.5°	295.6	417.5	565.4	722.6	895.6	1068.6	1256.2	1437.7	1634.5	1827.7	2014.7
-60°	216.1	304.4	417.5	551.3	688.0	843.4	994.1	1155.5	1316.6	1471.6	1641.2
-62.5°	144.3	216.1	295.6	389.6	509.2	625.5	757.0	890.3	1018.5	1157.3	1291.8
-65°	114.1	141.1	198.6	269.3	338.1	439.6	541.9	640.6	753.7	864.9	971.0
-67.5°	83.4	107.7	131.6	163.7	225.7	285.8	344.0	431.9	517.0	598.4	680.9
-70°	69.7	76.9	95.1	115.8	135.9	165.3	217.0	266.7	314.4	368.7	437.3
-72.5°	59.3	65.6	71.7	77.7	93.9	111.0	127.5	143.3	173.9	213.7	251.6
-75°	49.8	54.3	59.4	64.6	69.5	74.3	80.3	93.9	106.9	119.3	131.1
-77.5°	41.0	44.7	48.4	51.9	55.5	59.5	63.3	67.1	70.6	74.0	77.2
-80°	32.8	35.1	38.0	40.8	43.6	46.2	48.8	51.3	53.7	56.2	58.7
-82.5°	26.1	27.8	29.4	31.0	32.6	34.1	35.7	37.5	39.3	41.0	42.6
-85°	18.9	20.5	21.6	22.6	23.7	24.7	25.6	26.6	27.5	28.3	29.1
-87.5°	9.5	10.2	11.0	11.8	12.5	13.2	13.8	14.5	15.1	15.7	16.3
-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: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	16.8	17.3	17.8	18.2	18.6	18.9	19.3	19.6	19.8	20.0	20.2
85°	29.9	30.6	31.3	31.9	32.4	33.0	33.4	33.8	34.2	34.5	34.8
82.5°	44.1	45.6	46.9	48.1	49.3	50.3	51.2	52.1	52.8	53.4	53.9
80°	61.2	63.5	65.6	67.6	69.4	71.1	72.6	73.9	75.1	76.0	76.9
77.5°	84.4	93.1	101.2	108.8	115.8	122.1	127.9	132.9	137.3	141.1	144.2
75°	142.3	158.2	185.1	210.1	233.1	254.1	273.0	289.8	304.4	316.9	327.1
72.5°	287.4	321.2	357.0	403.4	446.1	485.0	520.1	551.3	578.5	601.6	620.6
70°	502.4	563.7	621.0	678.8	739.0	793.9	843.4	887.4	925.7	958.4	985.2
67.5°	770.9	855.8	935.4	1009.3	1084.1	1155.5	1220.0	1277.3	1327.3	1369.9	1404.8
65°	1077.3	1186.2	1288.3	1383.3	1471.6	1563.7	1646.8	1720.8	1785.3	1840.3	1885.5
62.5°	1419.6	1551.1	1681.2	1802.4	1914.3	2019.1	2115.9	2202.1	2277.4	2341.5	2394.3
60°	1802.4	1954.8	2104.1	2243.8	2373.1	2491.7	2613.1	2721.3	2815.8	2896.4	2962.7
57.5°	2198.8	2373.1	2543.5	2717.1	2877.9	3025.2	3170.6	3308.2	3428.5	3531.2	3615.7
55°	2613.1	2828.0	3030.4	3241.2	3444.1	3630.2	3798.7	3948.9	4080.3	4192.6	4285.1
52.5°	3060.7	3326.3	3579.9	3817.2	4036.9	4238.8	4422.0	4580.3	4718.1	4835.9	4933.1
50°	3567.7	3857.2	4130.0	4385.9	4616.9	4827.1	5018.0	5201.2	5373.8	5521.4	5643.4
47.5°	4068.6	4378.8	4663.5	4928.2	5184.9	5446.3	5684.3	5978.4	6602.5	7137.2	7579.4
45°	4555.3	4874.0	5186.6	5513.9	5819.3	6656.6	7512.8	8281.7	8847.0	9316.5	9705.2
42.5°	5016.5	5394.3	5766.3	6709.2	7801.5	8728.8	9475.6	10147.6	10592.8	10876.7	11112.1
40°	5520.5	6110.6	7432.0	8623.0	9569.7	10430.1	10878.4	11282.8	11658.8	12022.1	12323.9
37.5°	6398.1	7871.7	9105.8	10184.2	10847.6	11373.1	11912.8	12427.9	12889.1	13422.2	13866.0
35°	8019.4	9350.0	10491.5	11131.7	11770.9	12435.5	13110.4	13862.0	14530.5	15297.4	15989.2
32.5°	9350.0	10561.6	11275.5	12031.8	12792.0	13726.8	14617.6	15754.7	16791.3	17911.2	19041.2
30°	10491.5	11275.5	12119.6	13008.5	14104.1	15333.6	16704.2	18309.1	19992.4	21634.3	23483.4
27.5°	11131.7	12031.8	13008.5	14231.2	15709.8	17304.6	19510.1	21748.6	24483.6	26882.7	31593.6
25°	11770.9	12792.0	14104.1	15709.8	17599.1	20122.2	23175.1	26453.7	32797.4	38912.0	47858.2
22.5°	12435.5	13726.8	15333.6	17304.6	20122.2	23657.4	28218.4	36474.6	47666.5	61085.0	75215.5
20°	13110.4	14617.6	16704.2	19510.1	23175.1	28218.4	37721.7	52920.5	70370.5	92576.2	113059.7
17.5°	13862.0	15754.7	18309.1	21748.6	26453.7	36474.6	52920.5	74614.9	101576.7	132261.2	161017.0
15°	14530.5	16791.3	19992.4	24483.6	32797.4	47666.5	70370.5	101576.7	138847.4	177195.1	214732.6
12.5°	15297.4	17911.2	21634.3	26882.7	38912.0	61085.0	92576.2	132261.2	177195.1	223849.7	268332.1
10°	15989.2	19041.2	23483.4	31593.6	47858.2	75215.5	113059.7	161017.0	214732.6	268332.1	321077.8
7.5°	16536.4	19937.5	24955.1	35369.9	56218.7	89213.0	134133.1	188439.9	247376.7	307864.6	369305.3
5°	16932.3	20587.5	26025.3	38125.7	62346.8	99532.4	149789.4	209242.8	272791.0	340522.2	409383.1
2.5°	17172.0	20981.5	26675.3	39803.8	66090.4	105863.3	159450.3	222184.9	288792.6	361364.4	438618.8
0°	17252.3	21113.6	26893.4	40367.4	67349.8	107998.0	162718.0	226582.2	294266.6	368622.0	449125.0
-2.5°	17172.0	20981.5	26675.3	39803.8	66090.4	105863.3	159450.3	222184.9	288792.6	361364.4	438618.8
-5°	16932.3	20587.5	26025.3	38125.7	62346.8	99532.4	149789.4	209242.8	272791.0	340522.2	409383.1
-7.5°	16536.4	19937.5	24955.1	35369.9	56218.7	89213.0	134133.1	188439.9	247376.7	307864.6	369305.3
-10°	15989.2	19041.2	23483.4	31593.6	47858.2	75215.5	113059.7	161017.0	214732.6	268332.1	321077.8
-12.5°	15297.4	17911.2	21634.3	26882.7	38912.0	61085.0	92576.2	132261.2	177195.1	223849.7	268332.1
-15°	14530.5	16791.3	19992.4	24483.6	32797.4	47666.5	70370.5	101576.7	138847.4	177195.1	214732.6
-17.5°	13862.0	15754.7	18309.1	21748.6	26453.7	36474.6	52920.5	74614.9	101576.7	132261.2	161017.0
-20°	13110.4	14617.6	16704.2	19510.1	23175.1	28218.4	37721.7	52920.5	70370.5	92576.2	113059.7



REPORT NUMBER: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12435.5	13726.8	15333.6	17304.6	20122.2	23657.4	28218.4	36474.6	47666.5	61085.0	75215.5
-25°	11770.9	12792.0	14104.1	15709.8	17599.1	20122.2	23175.1	26453.7	32797.4	38912.0	47858.2
-27.5°	11131.7	12031.8	13008.5	14231.2	15709.8	17304.6	19510.1	21748.6	24483.6	26882.7	31593.6
-30°	10491.5	11275.5	12119.6	13008.5	14104.1	15333.6	16704.2	18309.1	19992.4	21634.3	23483.4
-32.5°	9350.0	10561.6	11275.5	12031.8	12792.0	13726.8	14617.6	15754.7	16791.3	17911.2	19041.2
-35°	8019.4	9350.0	10491.5	11131.7	11770.9	12435.5	13110.4	13862.0	14530.5	15297.4	15989.2
-37.5°	6398.1	7871.7	9105.8	10184.2	10847.6	11373.1	11912.8	12427.9	12889.1	13422.2	13866.0
-40°	5520.5	6110.6	7432.0	8623.0	9569.7	10430.1	10878.4	11282.8	11658.8	12022.1	12323.9
-42.5°	5016.5	5394.3	5766.3	6709.2	7801.5	8728.8	9475.6	10147.6	10592.8	10876.7	11112.1
-45°	4555.3	4874.0	5186.6	5513.9	5819.3	6656.6	7512.8	8281.7	8847.0	9316.5	9705.2
-47.5°	4068.6	4378.8	4663.5	4928.2	5184.9	5446.3	5684.3	5978.4	6602.5	7137.2	7579.4
-50°	3567.7	3857.2	4130.0	4385.9	4616.9	4827.1	5018.0	5201.2	5373.8	5521.4	5643.4
-52.5°	3060.7	3326.3	3579.9	3817.2	4036.9	4238.8	4422.0	4580.3	4718.1	4835.9	4933.1
-55°	2613.1	2828.0	3030.4	3241.2	3444.1	3630.2	3798.7	3948.9	4080.3	4192.6	4285.1
-57.5°	2198.8	2373.1	2543.5	2717.1	2877.9	3025.2	3170.6	3308.2	3428.5	3531.2	3615.7
-60°	1802.4	1954.8	2104.1	2243.8	2373.1	2491.7	2613.1	2721.3	2815.8	2896.4	2962.7
-62.5°	1419.6	1551.1	1681.2	1802.4	1914.3	2019.1	2115.9	2202.1	2277.4	2341.5	2394.3
-65°	1077.3	1186.2	1288.3	1383.3	1471.6	1563.7	1646.8	1720.8	1785.3	1840.3	1885.5
-67.5°	770.9	855.8	935.4	1009.3	1084.1	1155.5	1220.0	1277.3	1327.3	1369.9	1404.8
-70°	502.4	563.7	621.0	678.8	739.0	793.9	843.4	887.4	925.7	958.4	985.2
-72.5°	287.4	321.2	357.0	403.4	446.1	485.0	520.1	551.3	578.5	601.6	620.6
-75°	142.3	158.2	185.1	210.1	233.1	254.1	273.0	289.8	304.4	316.9	327.1
-77.5°	84.4	93.1	101.2	108.8	115.8	122.1	127.9	132.9	137.3	141.1	144.2
-80°	61.2	63.5	65.6	67.6	69.4	71.1	72.6	73.9	75.1	76.0	76.9
-82.5°	44.1	45.6	46.9	48.1	49.3	50.3	51.2	52.1	52.8	53.4	53.9
-85°	29.9	30.6	31.3	31.9	32.4	33.0	33.4	33.8	34.2	34.5	34.8
-87.5°	16.8	17.3	17.8	18.2	18.6	18.9	19.3	19.6	19.8	20.0	20.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3S-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°	20.3	20.4	20.5	20.5	20.5	20.4	20.3	20.2	20.0	19.8	19.6
85°	34.9	35.1	35.2	35.2	35.2	35.1	34.9	34.8	34.5	34.2	33.8
82.5°	54.3	54.6	54.7	54.8	54.7	54.6	54.3	53.9	53.4	52.8	52.1
80°	77.5	77.9	78.2	78.3	78.2	77.9	77.5	76.9	76.0	75.1	73.9
77.5°	146.6	148.3	149.4	149.7	149.4	148.3	146.6	144.2	141.1	137.3	132.9
75°	335.0	340.7	344.2	345.3	344.2	340.7	335.0	327.1	316.9	304.4	289.8
72.5°	635.4	646.0	652.4	654.5	652.4	646.0	635.4	620.6	601.6	578.5	551.3
70°	1006.1	1021.1	1030.1	1033.1	1030.1	1021.1	1006.1	985.2	958.4	925.7	887.4
67.5°	1432.2	1451.7	1463.5	1467.4	1463.5	1451.7	1432.2	1404.8	1369.9	1327.3	1277.3
65°	1920.8	1946.1	1961.3	1966.4	1961.3	1946.1	1920.8	1885.5	1840.3	1785.3	1720.8
62.5°	2435.5	2465.1	2482.9	2488.8	2482.9	2465.1	2435.5	2394.3	2341.5	2277.4	2202.1
60°	3014.6	3051.8	3074.1	3081.6	3074.1	3051.8	3014.6	2962.7	2896.4	2815.8	2721.3
57.5°	3681.9	3729.3	3757.9	3767.4	3757.9	3729.3	3681.9	3615.7	3531.2	3428.5	3308.2
55°	4357.5	4409.5	4440.8	4451.2	4440.8	4409.5	4357.5	4285.1	4192.6	4080.3	3948.9
52.5°	5009.2	5063.8	5096.7	5107.7	5096.7	5063.8	5009.2	4933.1	4835.9	4718.1	4580.3
50°	5739.0	5807.7	5849.1	5862.9	5849.1	5807.7	5739.0	5643.4	5521.4	5373.8	5201.2
47.5°	7926.3	8175.7	8326.0	8376.2	8326.0	8175.7	7926.3	7579.4	7137.2	6602.5	5978.4
45°	10010.6	10230.3	10362.8	10407.1	10362.8	10230.3	10010.6	9705.2	9316.5	8847.0	8281.7
42.5°	11297.2	11430.6	11511.1	11538.0	11511.1	11430.6	11297.2	11112.1	10876.7	10592.8	10147.6
40°	12561.7	12733.2	12836.8	12871.4	12836.8	12733.2	12561.7	12323.9	12022.1	11658.8	11282.8
37.5°	14216.3	14469.3	14622.3	14673.5	14622.3	14469.3	14216.3	13866.0	13422.2	12889.1	12427.9
35°	16536.4	16932.3	17172.0	17252.3	17172.0	16932.3	16536.4	15989.2	15297.4	14530.5	13862.0
32.5°	19937.5	20587.5	20981.5	21113.6	20981.5	20587.5	19937.5	19041.2	17911.2	16791.3	15754.7
30°	24955.1	26025.3	26675.3	26893.4	26675.3	26025.3	24955.1	23483.4	21634.3	19992.4	18309.1
27.5°	35369.9	38125.7	39803.8	40367.4	39803.8	38125.7	35369.9	31593.6	26882.7	24483.6	21748.6
25°	56218.7	62346.8	66090.4	67349.8	66090.4	62346.8	56218.7	47858.2	38912.0	32797.4	26453.7
22.5°	89213.0	99532.4	105863.3	107998.0	105863.3	99532.4	89213.0	75215.5	61085.0	47666.5	36474.6
20°	134133.1	149789.4	159450.3	162718.0	159450.3	149789.4	134133.1	113059.7	92576.2	70370.5	52920.5
17.5°	188439.9	209242.8	222184.9	226582.2	222184.9	209242.8	188439.9	161017.0	132261.2	101576.7	74614.9
15°	247376.7	272791.0	288792.6	294266.6	288792.6	272791.0	247376.7	214732.6	177195.1	138847.4	101576.7
12.5°	307864.6	340522.2	361364.4	368622.0	361364.4	340522.2	307864.6	268332.1	223849.7	177195.1	132261.2
10°	369305.3	409383.1	438618.8	449125.0	438618.8	409383.1	369305.3	321077.8	268332.1	214732.6	161017.0
7.5°	428731.4	484305.5	517448.6	526985.6	517448.6	484305.5	428731.4	369305.3	307864.6	247376.7	188439.9
5°	484305.5	537231.6	568623.5	580684.3	568623.5	537231.6	484305.5	409383.1	340522.2	272791.0	209242.8
2.5°	517448.6	568623.5	610638.1	630220.3	610638.1	568623.5	517448.6	438618.8	361364.4	288792.6	222184.9
0°	526985.6	580684.3	630220.3	654551.5	630220.3	580684.3	526985.6	449125.0	368622.0	294266.6	226582.2
-2.5°	517448.6	568623.5	610638.1	630220.3	610638.1	568623.5	517448.6	438618.8	361364.4	288792.6	222184.9
-5°	484305.5	537231.6	568623.5	580684.3	568623.5	537231.6	484305.5	409383.1	340522.2	272791.0	209242.8
-7.5°	428731.4	484305.5	517448.6	526985.6	517448.6	484305.5	428731.4	369305.3	307864.6	247376.7	188439.9
-10°	369305.3	409383.1	438618.8	449125.0	438618.8	409383.1	369305.3	321077.8	268332.1	214732.6	161017.0
-12.5°	307864.6	340522.2	361364.4	368622.0	361364.4	340522.2	307864.6	268332.1	223849.7	177195.1	132261.2
-15°	247376.7	272791.0	288792.6	294266.6	288792.6	272791.0	247376.7	214732.6	177195.1	138847.4	101576.7
-17.5°	188439.9	209242.8	222184.9	226582.2	222184.9	209242.8	188439.9	161017.0	132261.2	101576.7	74614.9
-20°	134133.1	149789.4	159450.3	162718.0	159450.3	149789.4	134133.1	113059.7	92576.2	70370.5	52920.5



REPORT NUMBER: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	89213.0	99532.4	105863.3	107998.0	105863.3	99532.4	89213.0	75215.5	61085.0	47666.5	36474.6
-25°	56218.7	62346.8	66090.4	67349.8	66090.4	62346.8	56218.7	47858.2	38912.0	32797.4	26453.7
-27.5°	35369.9	38125.7	39803.8	40367.4	39803.8	38125.7	35369.9	31593.6	26882.7	24483.6	21748.6
-30°	24955.1	26025.3	26675.3	26893.4	26675.3	26025.3	24955.1	23483.4	21634.3	19992.4	18309.1
-32.5°	19937.5	20587.5	20981.5	21113.6	20981.5	20587.5	19937.5	19041.2	17911.2	16791.3	15754.7
-35°	16536.4	16932.3	17172.0	17252.3	17172.0	16932.3	16536.4	15989.2	15297.4	14530.5	13862.0
-37.5°	14216.3	14469.3	14622.3	14673.5	14622.3	14469.3	14216.3	13866.0	13422.2	12889.1	12427.9
-40°	12561.7	12733.2	12836.8	12871.4	12836.8	12733.2	12561.7	12323.9	12022.1	11658.8	11282.8
-42.5°	11297.2	11430.6	11511.1	11538.0	11511.1	11430.6	11297.2	11112.1	10876.7	10592.8	10147.6
-45°	10010.6	10230.3	10362.8	10407.1	10362.8	10230.3	10010.6	9705.2	9316.5	8847.0	8281.7
-47.5°	7926.3	8175.7	8326.0	8376.2	8326.0	8175.7	7926.3	7579.4	7137.2	6602.5	5978.4
-50°	5739.0	5807.7	5849.1	5862.9	5849.1	5807.7	5739.0	5643.4	5521.4	5373.8	5201.2
-52.5°	5009.2	5063.8	5096.7	5107.7	5096.7	5063.8	5009.2	4933.1	4835.9	4718.1	4580.3
-55°	4357.5	4409.5	4440.8	4451.2	4440.8	4409.5	4357.5	4285.1	4192.6	4080.3	3948.9
-57.5°	3681.9	3729.3	3757.9	3767.4	3757.9	3729.3	3681.9	3615.7	3531.2	3428.5	3308.2
-60°	3014.6	3051.8	3074.1	3081.6	3074.1	3051.8	3014.6	2962.7	2896.4	2815.8	2721.3
-62.5°	2435.5	2465.1	2482.9	2488.8	2482.9	2465.1	2435.5	2394.3	2341.5	2277.4	2202.1
-65°	1920.8	1946.1	1961.3	1966.4	1961.3	1946.1	1920.8	1885.5	1840.3	1785.3	1720.8
-67.5°	1432.2	1451.7	1463.5	1467.4	1463.5	1451.7	1432.2	1404.8	1369.9	1327.3	1277.3
-70°	1006.1	1021.1	1030.1	1033.1	1030.1	1021.1	1006.1	985.2	958.4	925.7	887.4
-72.5°	635.4	646.0	652.4	654.5	652.4	646.0	635.4	620.6	601.6	578.5	551.3
-75°	335.0	340.7	344.2	345.3	344.2	340.7	335.0	327.1	316.9	304.4	289.8
-77.5°	146.6	148.3	149.4	149.7	149.4	148.3	146.6	144.2	141.1	137.3	132.9
-80°	77.5	77.9	78.2	78.3	78.2	77.9	77.5	76.9	76.0	75.1	73.9
-82.5°	54.3	54.6	54.7	54.8	54.7	54.6	54.3	53.9	53.4	52.8	52.1
-85°	34.9	35.1	35.2	35.2	35.2	35.1	34.9	34.8	34.5	34.2	33.8
-87.5°	20.3	20.4	20.5	20.5	20.5	20.4	20.3	20.2	20.0	19.8	19.6
-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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**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°	19.3	18.9	18.6	18.2	17.8	17.3	16.8	16.3	15.7	15.1	14.5
85°	33.4	33.0	32.4	31.9	31.3	30.6	29.9	29.1	28.3	27.5	26.6
82.5°	51.2	50.3	49.3	48.1	46.9	45.6	44.1	42.6	41.0	39.3	37.5
80°	72.6	71.1	69.4	67.6	65.6	63.5	61.2	58.7	56.2	53.7	51.3
77.5°	127.9	122.1	115.8	108.8	101.2	93.1	84.4	77.2	74.0	70.6	67.1
75°	273.0	254.1	233.1	210.1	185.1	158.2	142.3	131.1	119.3	106.9	93.9
72.5°	520.1	485.0	446.1	403.4	357.0	321.2	287.4	251.6	213.7	173.9	143.3
70°	843.4	793.9	739.0	678.8	621.0	563.7	502.4	437.3	368.7	314.4	266.7
67.5°	1220.0	1155.5	1084.1	1009.3	935.4	855.8	770.9	680.9	598.4	517.0	431.9
65°	1646.8	1563.7	1471.6	1383.3	1288.3	1186.2	1077.3	971.0	864.9	753.7	640.6
62.5°	2115.9	2019.1	1914.3	1802.4	1681.2	1551.1	1419.6	1291.8	1157.3	1018.5	890.3
60°	2613.1	2491.7	2373.1	2243.8	2104.1	1954.8	1802.4	1641.2	1471.6	1316.6	1155.5
57.5°	3170.6	3025.2	2877.9	2717.1	2543.5	2373.1	2198.8	2014.7	1827.7	1634.5	1437.7
55°	3798.7	3630.2	3444.1	3241.2	3030.4	2828.0	2613.1	2398.5	2188.9	1969.9	1752.3
52.5°	4422.0	4238.8	4036.9	3817.2	3579.9	3326.3	3060.7	2815.8	2559.2	2315.0	2070.2
50°	5018.0	4827.1	4616.9	4385.9	4130.0	3857.2	3567.7	3262.9	2962.7	2675.8	2391.4
47.5°	5684.3	5446.3	5184.9	4928.2	4663.5	4378.8	4068.6	3742.9	3401.7	3051.8	2734.5
45°	7512.8	6656.6	5819.3	5513.9	5186.6	4874.0	4555.3	4211.6	3848.8	3471.6	3081.6
42.5°	9475.6	8728.8	7801.5	6709.2	5766.3	5394.3	5016.5	4660.6	4283.7	3884.3	3471.6
40°	10878.4	10430.1	9569.7	8623.0	7432.0	6110.6	5520.5	5088.4	4695.9	4283.7	3848.8
37.5°	11912.8	11373.1	10847.6	10184.2	9105.8	7871.7	6398.1	5562.8	5088.4	4660.6	4211.6
35°	13110.4	12435.5	11770.9	11131.7	10491.5	9350.0	8019.4	6398.1	5520.5	5016.5	4555.3
32.5°	14617.6	13726.8	12792.0	12031.8	11275.5	10561.6	9350.0	7871.7	6110.6	5394.3	4874.0
30°	16704.2	15333.6	14104.1	13008.5	12119.6	11275.5	10491.5	9105.8	7432.0	5766.3	5186.6
27.5°	19510.1	17304.6	15709.8	14231.2	13008.5	12031.8	11131.7	10184.2	8623.0	6709.2	5513.9
25°	23175.1	20122.2	17599.1	15709.8	14104.1	12792.0	11770.9	10847.6	9569.7	7801.5	5819.3
22.5°	28218.4	23657.4	20122.2	17304.6	15333.6	13726.8	12435.5	11373.1	10430.1	8728.8	6656.6
20°	37721.7	28218.4	23175.1	19510.1	16704.2	14617.6	13110.4	11912.8	10878.4	9475.6	7512.8
17.5°	52920.5	36474.6	26453.7	21748.6	18309.1	15754.7	13862.0	12427.9	11282.8	10147.6	8281.7
15°	70370.5	47666.5	32797.4	24483.6	19992.4	16791.3	14530.5	12889.1	11658.8	10592.8	8847.0
12.5°	92576.2	61085.0	38912.0	26882.7	21634.3	17911.2	15297.4	13422.2	12022.1	10876.7	9316.5
10°	113059.7	75215.5	47858.2	31593.6	23483.4	19041.2	15989.2	13866.0	12323.9	11112.1	9705.2
7.5°	134133.1	89213.0	56218.7	35369.9	24955.1	19937.5	16536.4	14216.3	12561.7	11297.2	10010.6
5°	149789.4	99532.4	62346.8	38125.7	26025.3	20587.5	16932.3	14469.3	12733.2	11430.6	10230.3
2.5°	159450.3	105863.3	66090.4	39803.8	26675.3	20981.5	17172.0	14622.3	12836.8	11511.1	10362.8
0°	162718.0	107998.0	67349.8	40367.4	26893.4	21113.6	17252.3	14673.5	12871.4	11538.0	10407.1
-2.5°	159450.3	105863.3	66090.4	39803.8	26675.3	20981.5	17172.0	14622.3	12836.8	11511.1	10362.8
-5°	149789.4	99532.4	62346.8	38125.7	26025.3	20587.5	16932.3	14469.3	12733.2	11430.6	10230.3
-7.5°	134133.1	89213.0	56218.7	35369.9	24955.1	19937.5	16536.4	14216.3	12561.7	11297.2	10010.6
-10°	113059.7	75215.5	47858.2	31593.6	23483.4	19041.2	15989.2	13866.0	12323.9	11112.1	9705.2
-12.5°	92576.2	61085.0	38912.0	26882.7	21634.3	17911.2	15297.4	13422.2	12022.1	10876.7	9316.5
-15°	70370.5	47666.5	32797.4	24483.6	19992.4	16791.3	14530.5	12889.1	11658.8	10592.8	8847.0
-17.5°	52920.5	36474.6	26453.7	21748.6	18309.1	15754.7	13862.0	12427.9	11282.8	10147.6	8281.7
-20°	37721.7	28218.4	23175.1	19510.1	16704.2	14617.6	13110.4	11912.8	10878.4	9475.6	7512.8



REPORT NUMBER: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	28218.4	23657.4	20122.2	17304.6	15333.6	13726.8	12435.5	11373.1	10430.1	8728.8	6656.6
-25°	23175.1	20122.2	17599.1	15709.8	14104.1	12792.0	11770.9	10847.6	9569.7	7801.5	5819.3
-27.5°	19510.1	17304.6	15709.8	14231.2	13008.5	12031.8	11131.7	10184.2	8623.0	6709.2	5513.9
-30°	16704.2	15333.6	14104.1	13008.5	12119.6	11275.5	10491.5	9105.8	7432.0	5766.3	5186.6
-32.5°	14617.6	13726.8	12792.0	12031.8	11275.5	10561.6	9350.0	7871.7	6110.6	5394.3	4874.0
-35°	13110.4	12435.5	11770.9	11131.7	10491.5	9350.0	8019.4	6398.1	5520.5	5016.5	4555.3
-37.5°	11912.8	11373.1	10847.6	10184.2	9105.8	7871.7	6398.1	5562.8	5088.4	4660.6	4211.6
-40°	10878.4	10430.1	9569.7	8623.0	7432.0	6110.6	5520.5	5088.4	4695.9	4283.7	3848.8
-42.5°	9475.6	8728.8	7801.5	6709.2	5766.3	5394.3	5016.5	4660.6	4283.7	3884.3	3471.6
-45°	7512.8	6656.6	5819.3	5513.9	5186.6	4874.0	4555.3	4211.6	3848.8	3471.6	3081.6
-47.5°	5684.3	5446.3	5184.9	4928.2	4663.5	4378.8	4068.6	3742.9	3401.7	3051.8	2734.5
-50°	5018.0	4827.1	4616.9	4385.9	4130.0	3857.2	3567.7	3262.9	2962.7	2675.8	2391.4
-52.5°	4422.0	4238.8	4036.9	3817.2	3579.9	3326.3	3060.7	2815.8	2559.2	2315.0	2070.2
-55°	3798.7	3630.2	3444.1	3241.2	3030.4	2828.0	2613.1	2398.5	2188.9	1969.9	1752.3
-57.5°	3170.6	3025.2	2877.9	2717.1	2543.5	2373.1	2198.8	2014.7	1827.7	1634.5	1437.7
-60°	2613.1	2491.7	2373.1	2243.8	2104.1	1954.8	1802.4	1641.2	1471.6	1316.6	1155.5
-62.5°	2115.9	2019.1	1914.3	1802.4	1681.2	1551.1	1419.6	1291.8	1157.3	1018.5	890.3
-65°	1646.8	1563.7	1471.6	1383.3	1288.3	1186.2	1077.3	971.0	864.9	753.7	640.6
-67.5°	1220.0	1155.5	1084.1	1009.3	935.4	855.8	770.9	680.9	598.4	517.0	431.9
-70°	843.4	793.9	739.0	678.8	621.0	563.7	502.4	437.3	368.7	314.4	266.7
-72.5°	520.1	485.0	446.1	403.4	357.0	321.2	287.4	251.6	213.7	173.9	143.3
-75°	273.0	254.1	233.1	210.1	185.1	158.2	142.3	131.1	119.3	106.9	93.9
-77.5°	127.9	122.1	115.8	108.8	101.2	93.1	84.4	77.2	74.0	70.6	67.1
-80°	72.6	71.1	69.4	67.6	65.6	63.5	61.2	58.7	56.2	53.7	51.3
-82.5°	51.2	50.3	49.3	48.1	46.9	45.6	44.1	42.6	41.0	39.3	37.5
-85°	33.4	33.0	32.4	31.9	31.3	30.6	29.9	29.1	28.3	27.5	26.6
-87.5°	19.3	18.9	18.6	18.2	17.8	17.3	16.8	16.3	15.7	15.1	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: P1306480 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200L-57-70-3S-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°	13.8	13.2	12.5	11.8	11.0	10.2	9.5	8.7	7.8	7.0	6.2
85°	25.6	24.7	23.7	22.6	21.6	20.5	18.9	17.3	15.7	14.0	12.3
82.5°	35.7	34.1	32.6	31.0	29.4	27.8	26.1	24.4	22.6	20.8	18.4
80°	48.8	46.2	43.6	40.8	38.0	35.1	32.8	30.5	28.2	25.8	23.4
77.5°	63.3	59.5	55.5	51.9	48.4	44.7	41.0	37.1	33.7	30.8	27.7
75°	80.3	74.3	69.5	64.6	59.4	54.3	49.8	45.2	40.6	35.8	32.0
72.5°	127.5	111.0	93.9	77.7	71.7	65.6	59.3	53.2	47.8	42.3	36.7
70°	217.0	165.3	135.9	115.8	95.1	76.9	69.7	62.4	55.0	48.7	42.3
67.5°	344.0	285.8	225.7	163.7	131.6	107.7	83.4	71.8	63.5	55.0	47.8
65°	541.9	439.6	338.1	269.3	198.6	141.1	114.1	86.5	71.8	62.4	53.2
62.5°	757.0	625.5	509.2	389.6	295.6	216.1	144.3	114.1	83.4	69.7	59.3
60°	994.1	843.4	688.0	551.3	417.5	304.4	216.1	141.1	107.7	76.9	65.6
57.5°	1256.2	1068.6	895.6	722.6	565.4	417.5	295.6	198.6	131.6	95.1	71.7
55°	1527.1	1317.1	1109.0	913.1	722.6	551.3	389.6	269.3	163.7	115.8	77.7
52.5°	1823.7	1574.3	1337.5	1109.0	895.6	688.0	509.2	338.1	225.7	135.9	93.9
50°	2120.7	1847.5	1574.3	1317.1	1068.6	843.4	625.5	439.6	285.8	165.3	111.0
47.5°	2417.0	2120.7	1823.7	1527.1	1256.2	994.1	757.0	541.9	344.0	217.0	127.5
45°	2734.5	2391.4	2070.2	1752.3	1437.7	1155.5	890.3	640.6	431.9	266.7	143.3
42.5°	3051.8	2675.8	2315.0	1969.9	1634.5	1316.6	1018.5	753.7	517.0	314.4	173.9
40°	3401.7	2962.7	2559.2	2188.9	1827.7	1471.6	1157.3	864.9	598.4	368.7	213.7
37.5°	3742.9	3262.9	2815.8	2398.5	2014.7	1641.2	1291.8	971.0	680.9	437.3	251.6
35°	4068.6	3567.7	3060.7	2613.1	2198.8	1802.4	1419.6	1077.3	770.9	502.4	287.4
32.5°	4378.8	3857.2	3326.3	2828.0	2373.1	1954.8	1551.1	1186.2	855.8	563.7	321.2
30°	4663.5	4130.0	3579.9	3030.4	2543.5	2104.1	1681.2	1288.3	935.4	621.0	357.0
27.5°	4928.2	4385.9	3817.2	3241.2	2717.1	2243.8	1802.4	1383.3	1009.3	678.8	403.4
25°	5184.9	4616.9	4036.9	3444.1	2877.9	2373.1	1914.3	1471.6	1084.1	739.0	446.1
22.5°	5446.3	4827.1	4238.8	3630.2	3025.2	2491.7	2019.1	1563.7	1155.5	793.9	485.0
20°	5684.3	5018.0	4422.0	3798.7	3170.6	2613.1	2115.9	1646.8	1220.0	843.4	520.1
17.5°	5978.4	5201.2	4580.3	3948.9	3308.2	2721.3	2202.1	1720.8	1277.3	887.4	551.3
15°	6602.5	5373.8	4718.1	4080.3	3428.5	2815.8	2277.4	1785.3	1327.3	925.7	578.5
12.5°	7137.2	5521.4	4835.9	4192.6	3531.2	2896.4	2341.5	1840.3	1369.9	958.4	601.6
10°	7579.4	5643.4	4933.1	4285.1	3615.7	2962.7	2394.3	1885.5	1404.8	985.2	620.6
7.5°	7926.3	5739.0	5009.2	4357.5	3681.9	3014.6	2435.5	1920.8	1432.2	1006.1	635.4
5°	8175.7	5807.7	5063.8	4409.5	3729.3	3051.8	2465.1	1946.1	1451.7	1021.1	646.0
2.5°	8326.0	5849.1	5096.7	4440.8	3757.9	3074.1	2482.9	1961.3	1463.5	1030.1	652.4
0°	8376.2	5862.9	5107.7	4451.2	3767.4	3081.6	2488.8	1966.4	1467.4	1033.1	654.5
-2.5°	8326.0	5849.1	5096.7	4440.8	3757.9	3074.1	2482.9	1961.3	1463.5	1030.1	652.4
-5°	8175.7	5807.7	5063.8	4409.5	3729.3	3051.8	2465.1	1946.1	1451.7	1021.1	646.0
-7.5°	7926.3	5739.0	5009.2	4357.5	3681.9	3014.6	2435.5	1920.8	1432.2	1006.1	635.4
-10°	7579.4	5643.4	4933.1	4285.1	3615.7	2962.7	2394.3	1885.5	1404.8	985.2	620.6
-12.5°	7137.2	5521.4	4835.9	4192.6	3531.2	2896.4	2341.5	1840.3	1369.9	958.4	601.6
-15°	6602.5	5373.8	4718.1	4080.3	3428.5	2815.8	2277.4	1785.3	1327.3	925.7	578.5
-17.5°	5978.4	5201.2	4580.3	3948.9	3308.2	2721.3	2202.1	1720.8	1277.3	887.4	551.3
-20°	5684.3	5018.0	4422.0	3798.7	3170.6	2613.1	2115.9	1646.8	1220.0	843.4	520.1



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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°	5446.3	4827.1	4238.8	3630.2	3025.2	2491.7	2019.1	1563.7	1155.5	793.9	485.0
-25°	5184.9	4616.9	4036.9	3444.1	2877.9	2373.1	1914.3	1471.6	1084.1	739.0	446.1
-27.5°	4928.2	4385.9	3817.2	3241.2	2717.1	2243.8	1802.4	1383.3	1009.3	678.8	403.4
-30°	4663.5	4130.0	3579.9	3030.4	2543.5	2104.1	1681.2	1288.3	935.4	621.0	357.0
-32.5°	4378.8	3857.2	3326.3	2828.0	2373.1	1954.8	1551.1	1186.2	855.8	563.7	321.2
-35°	4068.6	3567.7	3060.7	2613.1	2198.8	1802.4	1419.6	1077.3	770.9	502.4	287.4
-37.5°	3742.9	3262.9	2815.8	2398.5	2014.7	1641.2	1291.8	971.0	680.9	437.3	251.6
-40°	3401.7	2962.7	2559.2	2188.9	1827.7	1471.6	1157.3	864.9	598.4	368.7	213.7
-42.5°	3051.8	2675.8	2315.0	1969.9	1634.5	1316.6	1018.5	753.7	517.0	314.4	173.9
-45°	2734.5	2391.4	2070.2	1752.3	1437.7	1155.5	890.3	640.6	431.9	266.7	143.3
-47.5°	2417.0	2120.7	1823.7	1527.1	1256.2	994.1	757.0	541.9	344.0	217.0	127.5
-50°	2120.7	1847.5	1574.3	1317.1	1068.6	843.4	625.5	439.6	285.8	165.3	111.0
-52.5°	1823.7	1574.3	1337.5	1109.0	895.6	688.0	509.2	338.1	225.7	135.9	93.9
-55°	1527.1	1317.1	1109.0	913.1	722.6	551.3	389.6	269.3	163.7	115.8	77.7
-57.5°	1256.2	1068.6	895.6	722.6	565.4	417.5	295.6	198.6	131.6	95.1	71.7
-60°	994.1	843.4	688.0	551.3	417.5	304.4	216.1	141.1	107.7	76.9	65.6
-62.5°	757.0	625.5	509.2	389.6	295.6	216.1	144.3	114.1	83.4	69.7	59.3
-65°	541.9	439.6	338.1	269.3	198.6	141.1	114.1	86.5	71.8	62.4	53.2
-67.5°	344.0	285.8	225.7	163.7	131.6	107.7	83.4	71.8	63.5	55.0	47.8
-70°	217.0	165.3	135.9	115.8	95.1	76.9	69.7	62.4	55.0	48.7	42.3
-72.5°	127.5	111.0	93.9	77.7	71.7	65.6	59.3	53.2	47.8	42.3	36.7
-75°	80.3	74.3	69.5	64.6	59.4	54.3	49.8	45.2	40.6	35.8	32.0
-77.5°	63.3	59.5	55.5	51.9	48.4	44.7	41.0	37.1	33.7	30.8	27.7
-80°	48.8	46.2	43.6	40.8	38.0	35.1	32.8	30.5	28.2	25.8	23.4
-82.5°	35.7	34.1	32.6	31.0	29.4	27.8	26.1	24.4	22.6	20.8	18.4
-85°	25.6	24.7	23.7	22.6	21.6	20.5	18.9	17.3	15.7	14.0	12.3
-87.5°	13.8	13.2	12.5	11.8	11.0	10.2	9.5	8.7	7.8	7.0	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):**

	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°	5.3	4.4	3.6	2.7	1.8	0.9	0.0
85°	10.6	8.9	7.1	5.3	3.6	1.8	0.0
82.5°	15.9	13.3	10.6	8.0	5.3	2.7	0.0
80°	20.9	17.7	14.2	10.6	7.1	3.6	0.0
77.5°	24.7	21.6	17.7	13.3	8.9	4.4	0.0
75°	28.4	24.7	20.9	15.9	10.6	5.3	0.0
72.5°	32.0	27.7	23.4	18.4	12.3	6.2	0.0
70°	35.8	30.8	25.8	20.8	14.0	7.0	0.0
67.5°	40.6	33.7	28.2	22.6	15.7	7.8	0.0
65°	45.2	37.1	30.5	24.4	17.3	8.7	0.0
62.5°	49.8	41.0	32.8	26.1	18.9	9.5	0.0
60°	54.3	44.7	35.1	27.8	20.5	10.2	0.0
57.5°	59.4	48.4	38.0	29.4	21.6	11.0	0.0
55°	64.6	51.9	40.8	31.0	22.6	11.8	0.0
52.5°	69.5	55.5	43.6	32.6	23.7	12.5	0.0
50°	74.3	59.5	46.2	34.1	24.7	13.2	0.0
47.5°	80.3	63.3	48.8	35.7	25.6	13.8	0.0
45°	93.9	67.1	51.3	37.5	26.6	14.5	0.0
42.5°	106.9	70.6	53.7	39.3	27.5	15.1	0.0
40°	119.3	74.0	56.2	41.0	28.3	15.7	0.0
37.5°	131.1	77.2	58.7	42.6	29.1	16.3	0.0
35°	142.3	84.4	61.2	44.1	29.9	16.8	0.0
32.5°	158.2	93.1	63.5	45.6	30.6	17.3	0.0
30°	185.1	101.2	65.6	46.9	31.3	17.8	0.0
27.5°	210.1	108.8	67.6	48.1	31.9	18.2	0.0
25°	233.1	115.8	69.4	49.3	32.4	18.6	0.0
22.5°	254.1	122.1	71.1	50.3	33.0	18.9	0.0
20°	273.0	127.9	72.6	51.2	33.4	19.3	0.0
17.5°	289.8	132.9	73.9	52.1	33.8	19.6	0.0
15°	304.4	137.3	75.1	52.8	34.2	19.8	0.0
12.5°	316.9	141.1	76.0	53.4	34.5	20.0	0.0
10°	327.1	144.2	76.9	53.9	34.8	20.2	0.0
7.5°	335.0	146.6	77.5	54.3	34.9	20.3	0.0
5°	340.7	148.3	77.9	54.6	35.1	20.4	0.0
2.5°	344.2	149.4	78.2	54.7	35.2	20.5	0.0
0°	345.3	149.7	78.3	54.8	35.2	20.5	0.0
-2.5°	344.2	149.4	78.2	54.7	35.2	20.5	0.0
-5°	340.7	148.3	77.9	54.6	35.1	20.4	0.0
-7.5°	335.0	146.6	77.5	54.3	34.9	20.3	0.0
-10°	327.1	144.2	76.9	53.9	34.8	20.2	0.0
-12.5°	316.9	141.1	76.0	53.4	34.5	20.0	0.0
-15°	304.4	137.3	75.1	52.8	34.2	19.8	0.0
-17.5°	289.8	132.9	73.9	52.1	33.8	19.6	0.0
-20°	273.0	127.9	72.6	51.2	33.4	19.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	254.1	122.1	71.1	50.3	33.0	18.9	0.0
-25°	233.1	115.8	69.4	49.3	32.4	18.6	0.0
-27.5°	210.1	108.8	67.6	48.1	31.9	18.2	0.0
-30°	185.1	101.2	65.6	46.9	31.3	17.8	0.0
-32.5°	158.2	93.1	63.5	45.6	30.6	17.3	0.0
-35°	142.3	84.4	61.2	44.1	29.9	16.8	0.0
-37.5°	131.1	77.2	58.7	42.6	29.1	16.3	0.0
-40°	119.3	74.0	56.2	41.0	28.3	15.7	0.0
-42.5°	106.9	70.6	53.7	39.3	27.5	15.1	0.0
-45°	93.9	67.1	51.3	37.5	26.6	14.5	0.0
-47.5°	80.3	63.3	48.8	35.7	25.6	13.8	0.0
-50°	74.3	59.5	46.2	34.1	24.7	13.2	0.0
-52.5°	69.5	55.5	43.6	32.6	23.7	12.5	0.0
-55°	64.6	51.9	40.8	31.0	22.6	11.8	0.0
-57.5°	59.4	48.4	38.0	29.4	21.6	11.0	0.0
-60°	54.3	44.7	35.1	27.8	20.5	10.2	0.0
-62.5°	49.8	41.0	32.8	26.1	18.9	9.5	0.0
-65°	45.2	37.1	30.5	24.4	17.3	8.7	0.0
-67.5°	40.6	33.7	28.2	22.6	15.7	7.8	0.0
-70°	35.8	30.8	25.8	20.8	14.0	7.0	0.0
-72.5°	32.0	27.7	23.4	18.4	12.3	6.2	0.0
-75°	28.4	24.7	20.9	15.9	10.6	5.3	0.0
-77.5°	24.7	21.6	17.7	13.3	8.9	4.4	0.0
-80°	20.9	17.7	14.2	10.6	7.1	3.6	0.0
-82.5°	15.9	13.3	10.6	8.0	5.3	2.7	0.0
-85°	10.6	8.9	7.1	5.3	3.6	1.8	0.0
-87.5°	5.3	4.4	3.6	2.7	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)