

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: P699985 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-1L-S**

Issue Date: 8/10/2023

**Test Information**

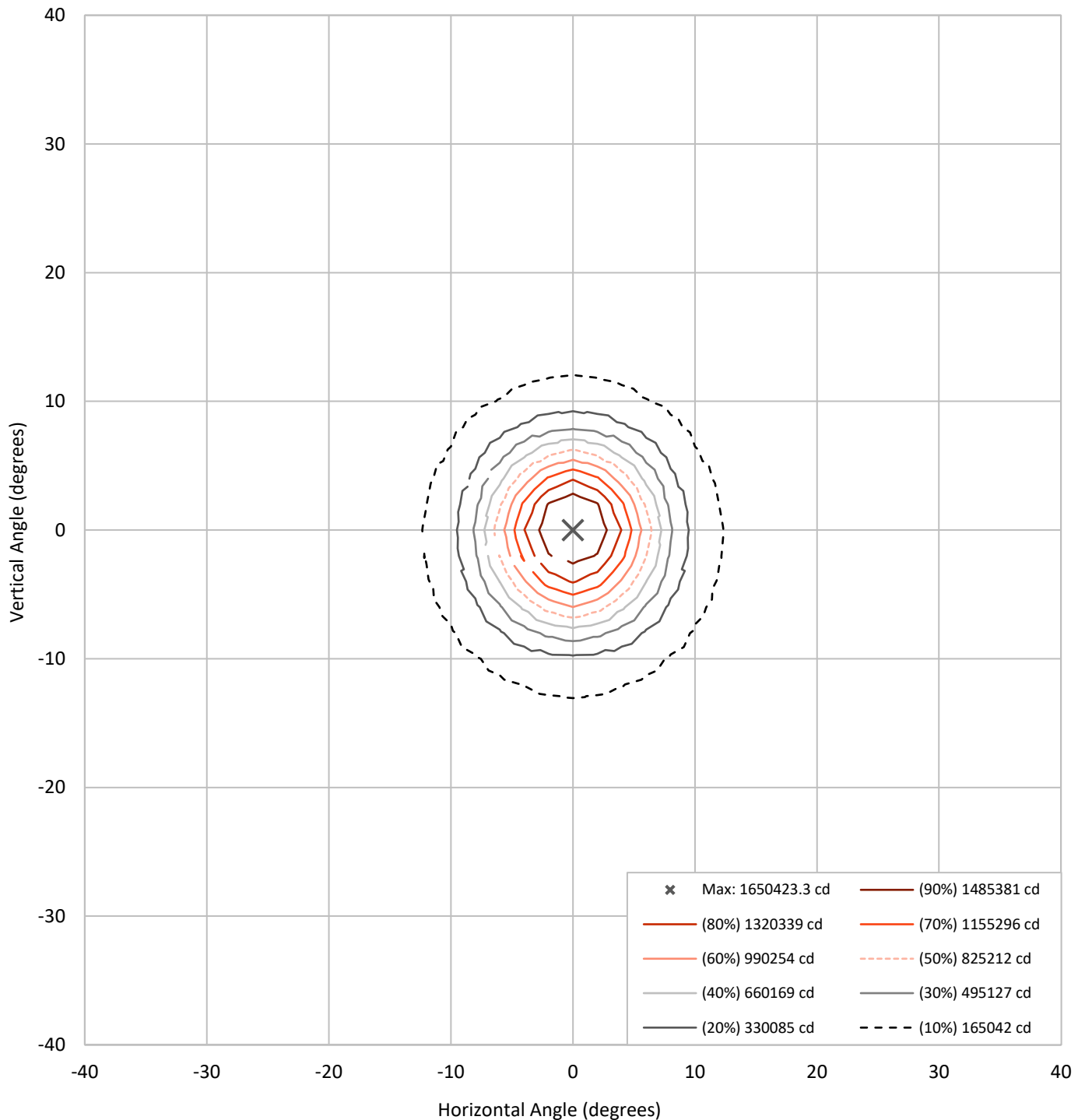
Test Method: LM-79-08  
Report Number: P699985 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-52)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200R-57-70-1L-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 70 CRI LEDS AND 1L BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	171393.4 lumens	Max Intensity:	1650423.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.0 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	12.8°H x 13°V	Field Angle (10%):	24.4°H x 24.6°V
Beam Lumens:	42484 lumens	Field Lumens:	85343.5 lumens
Beam Efficiency:	24.8%	Field Efficiency:	49.8%
Input Watts (W):	1288.4		
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





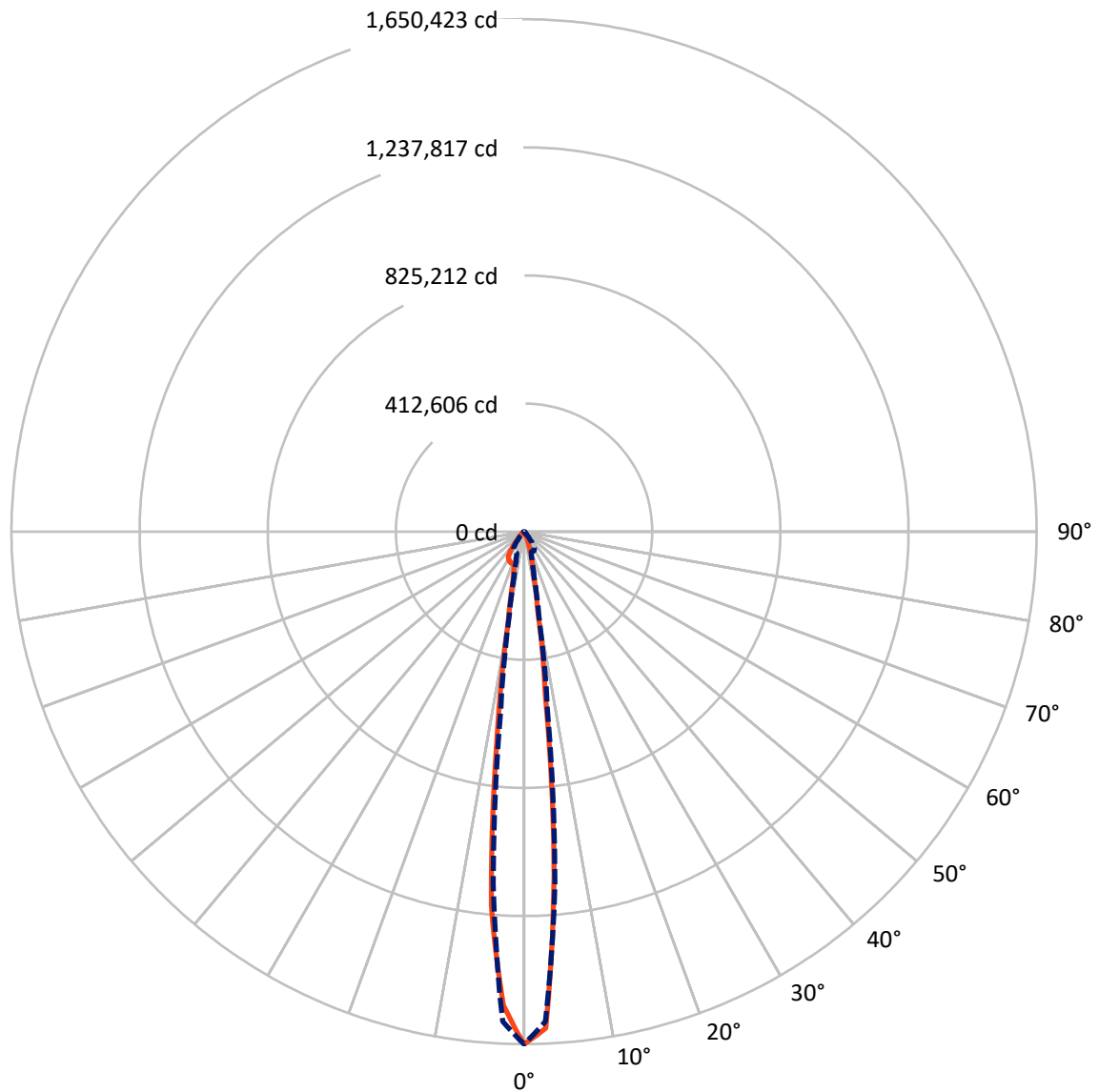
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### Lumen Table

90	0.4	1.7	2.8	3.7	3.9	3.7	2.8	1.7	0.4										
80	0.4	1.7	2.8	3.7	3.9	3.7	2.8	1.7	0.4										
70	0.8	0.6	0.9	1.3	1.9	2.6	3.2	3.6	3.6	3.2	2.6	1.9	1.3	0.9	0.6	0.8			
60		0.7	1.2	2.5	4.3	6.6	10.6	16.6	16.6	10.6	6.6	4.3	2.5	1.2	0.7				
50	0.9	0.8	2.4	6.3	11.0	20.2	30.7	43.9	43.9	30.7	20.2	11.0	6.3	2.4	0.8	0.9			
40		1.1	5.3	13.6	27.8	39.4	60.0	70.4	70.4	60.0	39.4	27.8	13.6	5.3	1.1				
30	1.1	1.7	7.9	30.3	107.5	294.7	493.4	581.1	581.1	493.4	294.7	107.5	30.3	7.9	1.7	1.1			
20		2.3	11.8	69.6	465.7	1146.6	1676.2	2856.3	2856.3	1676.2	1146.6	465.7	69.6	11.8	2.3				
10	1.2	2.6	15.7	133.8	964.2	1745.9	3034.3	19429.9	19429.9	3034.3	1745.9	964.2	133.8	15.7	2.6	1.2			
0		2.7	16.5	165.6	1227.7	2068.2	3310.6	20608.2	20608.2	3310.6	2068.2	1227.7	165.6	16.5	2.7				
-10	1.1	2.5	13.2	130.3	1060.2	2363.1	2809.8	3958.7	3958.7	2809.8	2363.1	1060.2	130.3	13.2	2.5	1.1			
-20		1.9	8.9	68.2	537.3	1979.0	2884.1	3179.5	3179.5	2884.1	1979.0	537.3	68.2	8.9	1.9				
-30	1.0	1.3	6.4	25.4	174.8	715.1	1584.0	2141.5	2141.5	1584.0	715.1	174.8	25.4	6.4	1.3	1.0			
-40		1.0	3.3	9.0	36.0	145.9	336.6	483.3	483.3	336.6	145.9	36.0	9.0	3.3	1.0				
-50	0.8	0.7	1.6	3.8	7.3	17.0	39.1	58.0	58.0	39.1	17.0	7.3	3.8	1.6	0.7	0.8			
-60		0.6	0.9	1.6	2.7	4.0	5.1	5.6	5.6	5.1	4.0	2.7	1.6	0.9	0.6				
-70	0.4	1.7	2.7	3.7	4.1	3.7	2.7	1.7	0.4							0.4			
-80		1.7	2.7	3.7	4.1	3.7	2.7	1.7	0.4										
-90	0.4	1.7	2.7	3.7	4.1	3.7	2.7	1.7	0.4										

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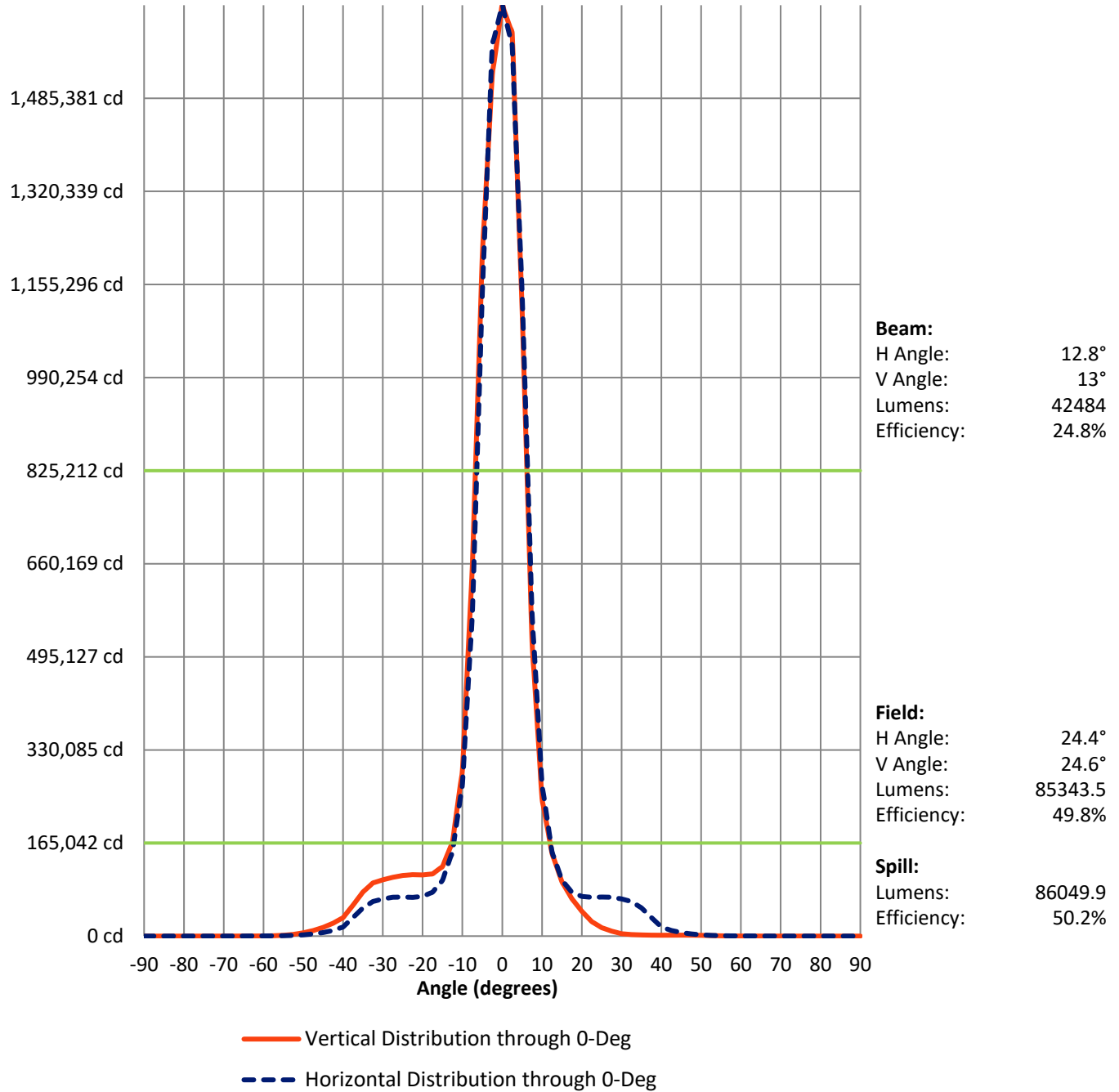
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



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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	1.3	2.6	4.0	5.3	6.6	7.9	9.1	10.4	11.6	12.4
85°	0.0	2.6	5.3	7.9	10.5	13.1	15.7	18.3	20.8	23.2	24.8
82.5°	0.0	4.0	7.9	11.9	15.8	19.7	23.5	27.4	30.4	30.4	29.6
80°	0.0	5.3	10.5	15.8	21.0	26.2	30.4	30.4	30.4	30.4	30.1
77.5°	0.0	6.6	13.1	19.7	26.2	30.4	30.4	30.4	30.4	30.4	31.3
75°	0.0	7.9	15.7	23.5	30.4	30.4	30.4	30.4	30.7	33.2	35.2
72.5°	0.0	9.1	18.3	27.4	30.4	30.4	30.4	31.2	34.1	37.0	39.2
70°	0.0	10.4	20.8	30.4	30.4	30.4	30.7	34.1	37.4	40.6	40.2
67.5°	0.0	11.6	23.2	30.4	30.4	30.4	33.2	37.0	40.6	40.9	40.5
65°	0.0	12.8	25.7	30.4	30.4	31.4	35.6	39.8	41.2	41.2	41.7
62.5°	0.0	14.0	28.0	30.4	30.4	33.4	38.0	41.2	41.9	42.3	45.7
60°	0.0	15.2	30.4	30.4	30.4	35.3	40.3	42.1	42.7	45.5	49.5
57.5°	0.0	16.3	30.4	30.4	31.8	37.2	41.5	43.1	44.8	48.5	50.8
55°	0.0	17.4	30.4	30.4	33.3	39.1	42.5	44.1	47.2	50.8	51.1
52.5°	0.0	18.5	30.4	30.4	34.8	40.8	43.6	45.8	49.3	51.5	51.7
50°	0.0	19.5	30.4	30.4	36.1	41.7	44.7	47.4	50.9	52.2	54.7
47.5°	0.0	20.5	30.4	30.6	37.5	42.8	45.8	48.9	51.9	53.2	57.7
45°	0.0	21.5	30.4	31.6	38.8	43.8	46.9	50.2	52.9	55.5	60.4
42.5°	0.0	22.4	30.4	32.5	40.0	44.8	47.9	51.3	54.0	57.7	64.1
40°	0.0	23.3	30.4	33.4	41.0	45.9	48.8	52.3	55.3	59.6	67.9
37.5°	0.0	24.1	30.4	34.3	41.8	47.0	49.6	53.4	56.9	61.8	71.8
35°	0.0	24.9	30.4	35.0	42.6	47.7	50.3	54.6	58.2	65.2	76.8
32.5°	0.0	25.6	30.4	35.8	43.4	48.3	51.0	55.8	59.3	68.6	83.3
30°	0.0	26.3	30.4	36.5	44.2	48.8	51.9	56.9	60.3	72.0	89.6
27.5°	0.0	27.0	30.4	37.1	45.0	49.2	52.8	57.8	61.8	75.3	95.8
25°	0.0	27.6	30.4	37.7	45.7	49.6	53.8	58.5	64.5	79.7	101.8
22.5°	0.0	28.1	30.4	38.3	46.4	49.9	54.7	59.1	67.0	84.5	109.4
20°	0.0	28.6	30.4	38.7	47.1	50.1	55.6	59.6	69.3	89.0	116.5
17.5°	0.0	29.0	30.4	39.2	47.7	50.3	56.5	60.0	71.6	93.2	123.1
15°	0.0	29.4	30.4	39.6	48.3	50.4	57.3	60.3	73.6	97.1	129.2
12.5°	0.0	29.7	30.4	39.9	48.8	50.6	58.1	60.5	75.5	100.6	134.7
10°	0.0	29.9	30.4	40.1	49.3	50.6	58.8	60.6	77.1	103.7	139.6
7.5°	0.0	30.1	30.4	40.3	49.8	50.7	59.4	60.7	78.5	106.4	143.8
5°	0.0	30.3	30.4	40.5	50.2	50.7	60.0	60.8	79.7	108.6	147.3
2.5°	0.0	30.4	30.4	40.6	50.5	50.7	60.4	60.8	80.5	110.3	150.1
0°	0.0	30.4	30.4	40.6	50.7	50.7	60.8	60.8	81.1	111.5	152.1
-2.5°	0.0	30.4	30.4	40.6	50.5	50.7	60.7	61.2	81.4	111.7	152.7
-5°	0.0	30.3	30.4	40.5	50.2	50.7	60.6	61.5	81.3	111.3	152.5
-7.5°	0.0	30.1	30.4	40.3	49.8	50.7	60.3	61.8	80.9	110.4	151.4
-10°	0.0	29.9	30.4	40.1	49.3	50.6	59.9	62.1	80.2	109.0	149.4
-12.5°	0.0	29.7	30.4	39.9	48.8	50.6	59.3	62.3	79.1	107.0	146.4
-15°	0.0	29.4	30.4	39.6	48.3	50.4	58.7	62.4	77.8	104.5	142.5
-17.5°	0.0	29.0	30.4	39.2	47.7	50.3	57.9	62.4	76.1	101.4	137.6
-20°	0.0	28.6	30.4	38.7	47.1	50.1	57.1	62.4	74.1	97.8	131.7



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 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1L-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	28.1	30.4	38.3	46.4	49.9	56.1	62.2	71.9	93.8	124.8
-25°	0.0	27.6	30.4	37.7	45.7	49.6	55.0	61.9	69.3	89.2	116.9
-27.5°	0.0	27.0	30.4	37.1	45.0	49.2	53.8	61.5	66.4	84.7	111.1
-30°	0.0	26.3	30.4	36.5	44.2	48.8	52.5	61.0	65.0	81.2	104.9
-32.5°	0.0	25.6	30.4	35.8	43.4	48.3	51.1	59.6	64.3	77.3	98.2
-35°	0.0	24.9	30.4	35.0	42.6	47.7	50.3	57.8	63.5	73.1	91.0
-37.5°	0.0	24.1	30.4	34.3	41.8	47.0	49.6	56.0	62.5	68.6	85.0
-40°	0.0	23.3	30.4	33.4	41.0	45.9	48.8	54.0	61.3	66.3	79.6
-42.5°	0.0	22.4	30.4	32.5	40.0	44.8	47.9	51.9	59.2	64.7	74.0
-45°	0.0	21.5	30.4	31.6	38.8	43.8	46.9	50.2	56.7	62.9	68.7
-47.5°	0.0	20.5	30.4	30.6	37.5	42.8	45.8	48.9	54.2	60.7	66.3
-50°	0.0	19.5	30.4	30.4	36.1	41.7	44.7	47.4	51.5	57.7	63.5
-52.5°	0.0	18.5	30.4	30.4	34.8	40.8	43.6	45.8	49.3	54.6	60.4
-55°	0.0	17.4	30.4	30.4	33.3	39.1	42.5	44.1	47.2	51.4	56.9
-57.5°	0.0	16.3	30.4	30.4	31.8	37.2	41.5	43.1	44.8	48.5	53.2
-60°	0.0	15.2	30.4	30.4	30.4	35.3	40.3	42.1	42.7	45.5	49.5
-62.5°	0.0	14.0	28.0	30.4	30.4	33.4	38.0	41.2	41.9	42.3	45.7
-65°	0.0	12.8	25.7	30.4	30.4	31.4	35.6	39.8	41.2	41.2	41.7
-67.5°	0.0	11.6	23.2	30.4	30.4	30.4	33.2	37.0	40.6	40.9	40.5
-70°	0.0	10.4	20.8	30.4	30.4	30.4	30.7	34.1	37.4	40.6	40.2
-72.5°	0.0	9.1	18.3	27.4	30.4	30.4	30.4	31.2	34.1	37.0	39.1
-75°	0.0	7.9	15.7	23.5	30.4	30.4	30.4	30.4	30.7	33.2	34.8
-77.5°	0.0	6.6	13.1	19.7	26.2	30.4	30.4	30.4	30.4	30.4	30.5
-80°	0.0	5.3	10.5	15.8	21.0	26.2	30.4	30.4	30.4	30.4	29.4
-82.5°	0.0	4.0	7.9	11.9	15.8	19.7	23.5	27.4	30.4	30.4	29.4
-85°	0.0	2.6	5.3	7.9	10.5	13.1	15.7	18.3	20.8	23.2	24.8
-87.5°	0.0	1.3	2.6	4.0	5.3	6.6	7.9	9.1	10.4	11.6	12.4
-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):**

	-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°	13.0	13.5	13.9	14.2	14.4	14.5	14.5	14.4	15.0	15.5	16.1
85°	26.0	27.0	26.3	25.6	25.2	24.8	24.6	24.5	24.6	24.5	24.3
82.5°	29.1	28.8	28.7	28.8	29.2	29.8	30.4	30.4	29.4	28.3	27.1
80°	30.1	30.4	31.2	31.8	31.9	31.8	31.3	30.6	29.5	28.9	28.9
77.5°	32.8	33.8	34.4	34.5	34.3	34.5	35.0	35.9	36.4	36.8	37.0
75°	36.6	37.4	37.3	37.5	38.2	39.3	40.6	40.7	40.2	39.8	39.8
72.5°	39.2	39.0	39.5	40.5	41.5	41.9	41.8	41.2	41.8	43.9	45.9
70°	40.0	40.4	42.1	43.3	43.9	44.2	45.3	47.0	49.1	51.5	53.7
67.5°	41.2	43.7	45.5	46.4	47.2	48.6	50.6	53.5	56.3	59.0	61.7
65°	45.0	47.5	48.2	49.0	50.5	53.8	57.1	60.3	63.5	67.0	71.1
62.5°	49.0	49.3	49.9	52.1	56.1	59.9	63.6	67.2	70.6	77.3	83.8
60°	50.2	50.3	53.1	57.4	61.7	65.9	69.9	76.7	84.2	91.4	95.4
57.5°	50.6	53.1	57.9	62.6	67.3	72.7	81.4	89.9	95.4	98.6	107.9
55°	52.1	57.4	62.6	67.8	74.5	84.3	93.4	100.0	104.8	129.9	150.5
52.5°	56.1	61.7	67.3	74.5	85.2	95.7	104.3	128.2	164.2	181.7	194.2
50°	59.9	65.9	72.7	84.3	96.3	107.4	148.1	199.2	220.5	230.9	236.9
47.5°	63.7	69.9	81.4	94.4	108.5	157.8	227.6	253.3	267.4	272.7	279.3
45°	67.8	76.9	89.9	106.7	150.6	242.5	279.8	297.7	302.5	320.2	367.1
42.5°	72.0	85.1	101.2	120.5	237.2	299.8	321.5	327.4	353.1	415.7	478.2
40°	79.1	93.5	113.5	205.8	313.1	338.5	348.7	370.4	451.2	540.5	617.4
37.5°	86.6	105.2	142.9	294.0	348.7	367.5	372.7	468.5	579.9	692.0	801.0
35°	94.1	116.7	217.3	346.7	383.7	388.4	462.7	585.5	737.4	886.2	1017.5
32.5°	103.1	128.0	286.0	366.8	402.6	430.2	560.1	742.8	928.2	1105.1	1283.7
30°	113.0	182.7	335.5	384.7	410.9	521.0	699.0	914.4	1138.2	1380.5	1585.7
27.5°	122.5	235.9	350.4	395.3	435.3	605.2	854.5	1115.9	1396.7	1684.7	1935.5
25°	131.7	283.9	363.5	405.4	508.2	725.2	1017.7	1323.8	1683.0	2042.1	2459.8
22.5°	155.8	325.8	374.6	417.1	579.1	860.1	1216.3	1613.8	2002.7	2442.0	3099.3
20°	191.4	335.0	383.9	438.7	647.3	995.2	1431.7	1971.7	2519.6	3098.1	4399.4
17.5°	222.3	342.6	393.3	494.1	750.0	1152.1	1674.9	2379.4	3150.5	4146.7	6320.6
15°	248.6	348.6	403.0	545.3	855.9	1334.7	2007.9	2905.4	3990.6	5564.0	8717.9
12.5°	270.3	353.1	412.7	591.7	955.4	1516.7	2357.2	3488.5	5002.1	7536.4	13533.8
10°	287.5	356.1	421.9	632.8	1046.6	1693.0	2711.4	4097.8	6068.9	9511.1	18243.5
7.5°	300.4	357.6	430.2	667.9	1127.6	1858.4	3057.4	4710.4	7151.1	11431.8	22701.4
5°	309.0	357.9	437.4	696.2	1196.2	2007.1	3381.4	5300.9	8204.0	13236.0	26744.8
2.5°	313.6	357.0	442.8	717.2	1250.3	2133.2	3668.5	5842.5	9179.7	14856.5	30199.0
0°	314.3	354.9	446.2	730.1	1287.8	2230.8	3903.9	6307.1	10028.4	16224.0	32883.9
-2.5°	320.6	359.0	445.7	724.2	1280.1	2232.1	3939.6	6420.4	10361.5	16960.8	33998.9
-5°	322.7	362.4	443.0	709.9	1253.5	2197.1	3902.5	6416.5	10480.9	17302.3	34056.3
-7.5°	320.2	365.4	438.6	687.5	1207.7	2124.1	3787.0	6284.2	10352.8	17181.2	32961.1
-10°	312.5	368.4	432.6	657.2	1142.7	2011.9	3588.5	6013.8	9947.4	16538.8	30637.8
-12.5°	299.3	371.7	425.6	619.4	1058.4	1859.5	3303.2	5597.2	9239.5	15326.9	27033.4
-15°	280.3	375.5	417.8	574.4	955.0	1666.1	2928.3	5028.4	8209.6	13509.1	22117.7
-17.5°	255.0	380.2	409.6	522.6	832.7	1431.5	2461.8	4340.3	7135.2	11881.7	19643.1
-20°	223.3	385.9	401.2	464.4	705.6	1222.1	2131.2	3767.4	6236.4	10175.7	16738.2



REPORT NUMBER: P699985 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	184.8	392.9	398.4	442.8	634.0	1051.7	1798.3	3090.9	5173.3	8288.2	13752.9
-25°	158.5	348.5	404.8	431.6	556.6	862.1	1420.8	2390.9	4320.0	7111.9	11398.2
-27.5°	149.0	294.6	413.5	421.4	473.7	686.6	1154.3	2011.7	3475.3	5729.4	8885.9
-30°	138.3	232.3	424.4	417.5	446.2	591.9	933.4	1551.2	2609.7	4525.1	7158.0
-32.5°	126.6	166.5	375.0	430.4	436.5	492.0	708.6	1214.3	2039.1	3266.7	5398.8
-35°	115.7	152.6	290.7	446.4	421.2	444.3	586.9	884.4	1464.8	2435.5	3855.8
-37.5°	107.2	137.4	196.8	403.4	424.0	419.4	457.0	666.3	1057.5	1658.6	2699.6
-40°	98.2	121.1	158.1	287.8	423.8	401.5	422.5	499.9	721.7	1160.4	1767.7
-42.5°	89.1	110.6	139.0	175.4	336.1	397.6	384.0	423.7	523.0	744.0	1167.2
-45°	82.6	99.7	120.4	152.4	221.3	350.1	374.6	368.4	417.6	509.5	724.5
-47.5°	75.8	89.4	108.1	129.9	161.0	237.0	337.2	351.7	350.9	398.8	461.0
-50°	69.7	81.4	95.4	113.7	136.1	164.9	230.1	306.0	325.4	328.0	362.2
-52.5°	66.2	72.9	85.2	99.6	116.6	137.6	164.0	208.9	265.1	292.2	300.9
-55°	62.0	67.2	75.1	87.1	100.9	116.6	134.2	158.2	181.9	223.6	256.6
-57.5°	57.7	62.0	67.3	75.3	86.9	99.5	113.7	127.5	147.7	168.4	190.7
-60°	53.3	56.9	61.0	66.3	73.2	84.2	95.6	108.1	120.5	132.2	149.5
-62.5°	49.0	52.1	55.1	58.7	63.7	69.4	78.5	89.0	99.8	110.1	119.5
-65°	45.0	47.5	49.9	52.4	54.9	59.3	64.5	70.1	78.9	87.9	96.4
-67.5°	41.2	43.7	45.5	46.8	48.9	50.9	52.8	57.1	62.0	67.3	73.1
-70°	40.0	40.4	42.1	43.3	43.9	44.4	46.0	47.4	49.1	52.2	56.7
-72.5°	39.2	39.0	39.5	40.5	41.5	41.9	41.8	41.2	41.8	43.9	45.9
-75°	36.1	37.3	37.3	37.5	38.2	39.3	40.6	40.7	40.2	39.8	39.8
-77.5°	31.4	32.2	33.0	33.7	34.3	34.5	35.0	35.9	36.4	36.8	37.0
-80°	28.3	27.2	27.5	27.9	28.2	28.4	28.6	28.8	28.9	28.9	28.9
-82.5°	28.2	27.1	26.0	24.9	23.8	22.7	21.8	21.6	22.2	22.7	22.9
-85°	26.0	27.0	26.0	24.8	23.7	22.6	21.5	20.3	19.7	19.3	18.9
-87.5°	13.0	13.5	13.9	14.2	14.4	14.5	14.5	14.4	14.1	13.8	13.4
-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):**

	-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°	16.6	17.1	17.6	18.0	18.4	18.8	17.0	15.1	13.1	11.0	8.9
85°	23.9	23.4	22.8	22.1	21.2	20.3	19.1	17.9	16.7	15.6	14.5
82.5°	26.0	24.9	23.8	22.6	21.5	20.4	20.1	20.0	20.0	20.0	20.0
80°	28.9	28.7	28.5	28.2	27.9	27.4	27.9	28.5	29.0	29.4	29.8
77.5°	36.7	36.3	36.2	36.2	36.4	36.7	37.5	38.2	38.8	39.4	39.8
75°	40.2	41.0	42.4	43.7	44.9	46.0	47.0	47.8	48.6	49.2	49.8
72.5°	47.7	49.5	51.1	52.6	54.0	55.3	56.4	57.4	58.3	59.1	59.7
70°	55.8	57.8	59.7	61.9	64.9	68.1	70.9	73.3	75.3	77.1	78.5
67.5°	65.0	68.7	72.7	76.9	80.6	83.4	85.5	86.8	88.0	89.0	89.8
65°	76.0	81.0	85.2	88.7	91.5	95.0	98.6	101.6	104.2	106.4	108.2
62.5°	89.4	93.7	97.9	102.5	107.3	113.8	120.2	125.3	129.7	133.4	136.5
60°	99.9	105.0	118.5	130.0	138.7	144.9	148.7	154.4	160.1	165.4	170.2
57.5°	127.7	144.0	157.0	166.8	173.5	177.3	180.9	191.2	204.7	218.3	231.7
55°	169.7	185.1	196.9	206.6	215.3	222.7	232.4	263.6	305.1	348.4	392.1
52.5°	213.1	227.1	239.8	256.3	290.1	322.2	352.2	402.7	479.7	558.7	637.4
50°	253.2	277.2	318.7	359.1	412.0	469.8	527.1	591.2	708.1	830.2	953.8
47.5°	320.2	367.5	427.9	494.5	567.2	652.5	737.0	817.1	936.2	1070.1	1203.1
45°	407.5	477.9	556.1	651.8	749.4	838.9	919.1	991.1	1076.9	1194.6	1307.6
42.5°	525.8	600.8	704.8	812.5	913.6	990.0	1038.0	1078.3	1133.1	1239.5	1332.2
40°	686.7	731.9	854.8	959.1	1023.2	1078.4	1120.5	1159.3	1201.9	1304.2	1384.3
37.5°	882.7	932.5	974.6	1049.1	1103.7	1151.9	1237.8	1317.6	1369.6	1465.6	1553.0
35°	1126.5	1149.6	1074.6	1118.0	1208.8	1347.2	1509.0	1697.7	1739.2	1765.4	1892.9
32.5°	1394.7	1421.7	1335.2	1272.6	1448.2	1878.3	2168.2	2551.6	2551.4	2244.0	2465.0
30°	1725.9	1828.1	1998.8	1902.3	2248.9	3016.0	3737.7	4319.4	4338.9	3669.7	3903.4
27.5°	2231.5	2745.3	3341.4	4298.7	4031.1	5066.2	6791.9	7694.2	8281.0	7468.9	7952.0
25°	3099.2	4194.6	6934.3	8475.7	8764.1	9279.5	11948.0	13750.0	15598.1	16116.8	15642.9
22.5°	4688.8	8221.6	11873.2	14109.5	15736.5	17212.9	19508.1	23380.3	25657.1	26642.7	26530.6
20°	7343.4	13413.9	18010.8	21336.9	24104.1	26865.3	30516.0	34056.4	36623.5	37767.8	38844.9
17.5°	12385.8	19501.3	25011.5	29235.1	33154.5	37566.2	41261.9	44500.8	46511.7	49512.8	52821.1
15°	18059.7	26170.0	32443.8	37680.7	42653.8	47069.8	50359.0	52323.5	56534.9	61547.6	67549.4
12.5°	23936.1	32990.8	39885.6	46038.9	51659.2	54905.8	56536.9	59305.9	64840.5	72861.3	86091.3
10°	29852.3	39458.9	46490.3	52510.6	57917.9	60913.6	61499.0	64528.4	72329.3	87247.3	108657.4
7.5°	35633.4	45641.6	52312.0	57855.0	61722.5	63405.3	65060.2	69836.0	81047.9	101540.0	145145.8
5°	41068.2	51423.8	57420.8	62234.7	64737.6	65399.4	67276.2	73717.8	89376.6	121064.0	192969.5
2.5°	45924.6	56681.0	61915.5	65845.7	67168.8	67118.3	69024.9	76408.9	95767.9	140494.9	246559.0
0°	49959.7	61286.0	65920.0	68931.6	69276.3	68718.6	70422.1	77946.0	99229.8	150056.4	270027.6
-2.5°	52002.9	64199.7	69122.8	72035.2	72451.0	71930.8	73297.7	80288.8	100269.6	146835.5	255394.3
-5°	52810.0	66215.0	72000.1	74968.8	75645.4	75251.3	76114.7	81740.0	98133.9	132855.0	206486.4
-7.5°	52231.2	67227.7	74581.1	77812.9	78906.8	78721.5	79003.6	82472.0	93465.2	115148.1	160344.1
-10°	50147.0	67159.2	76897.1	80640.1	82273.7	82394.5	82467.3	83785.3	89663.2	103844.3	125430.1
-12.5°	46472.5	65958.8	78980.3	83492.8	85488.6	86387.4	86846.2	87799.8	90356.2	95213.1	108208.9
-15°	41269.5	62106.2	77148.6	84430.0	87786.3	89889.1	91283.0	92069.2	93470.6	95769.3	99860.6
-17.5°	34936.1	54739.8	72750.0	84764.0	89438.8	92440.8	94719.5	96620.0	97287.6	98486.7	100365.8
-20°	27533.3	46137.3	65665.6	80163.9	89176.1	93953.5	97189.8	99064.2	100438.3	101579.2	103515.0



REPORT NUMBER: P699985 (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°
-22.5°	22468.2	37074.2	55144.7	73473.5	85632.3	93196.5	97538.3	99469.7	101358.6	103307.7	105408.6
-25°	17863.0	27580.3	43998.4	61156.1	77524.4	88647.3	94623.8	98072.9	100362.1	102777.4	104955.8
-27.5°	14076.4	21723.0	32276.4	48089.4	63941.0	78004.0	86848.9	94123.0	97214.5	100219.3	101989.4
-30°	10603.1	16120.8	24298.2	34716.5	48217.4	60855.1	73230.8	82600.9	89685.0	95192.3	97142.7
-32.5°	8246.0	11901.2	17321.4	24899.4	32701.2	43631.9	54291.5	64829.9	74491.1	81688.6	86184.6
-35°	6007.5	8877.6	12282.1	17134.9	22611.5	29189.9	36093.1	45105.7	53199.0	60740.1	67097.9
-37.5°	4140.6	6260.9	8896.4	11735.4	15696.2	19708.6	24572.6	29232.2	33133.1	39603.2	45017.7
-40°	2789.8	4042.8	6062.4	8214.7	10791.6	13348.7	16825.9	19984.9	23086.8	26095.8	28536.7
-42.5°	1764.5	2688.6	3772.2	5416.5	7218.7	9202.1	11391.3	13463.6	15731.5	17804.0	19532.6
-45°	1055.6	1655.5	2361.6	3370.4	4408.2	5917.3	7443.5	8889.4	10454.8	11803.0	12963.5
-47.5°	667.8	913.4	1400.1	1972.3	2646.4	3564.2	4483.0	5452.4	6523.9	7437.2	8217.0
-50°	436.7	565.2	794.5	1038.8	1478.6	1987.5	2492.3	3112.6	3736.5	4295.2	4781.8
-52.5°	319.5	386.6	469.4	586.8	801.1	1022.5	1247.9	1614.3	1946.9	2239.9	2490.5
-55°	280.4	296.4	311.3	368.6	447.8	533.0	639.9	808.5	954.0	1082.5	1192.7
-57.5°	221.0	248.0	268.9	281.3	292.6	302.7	344.9	409.5	468.7	521.7	567.8
-60°	165.8	181.3	203.9	224.3	241.8	256.5	264.4	272.7	280.4	287.2	293.0
-62.5°	128.5	140.3	153.5	165.8	177.2	189.9	202.7	213.2	222.2	229.7	235.6
-65°	104.5	112.1	119.3	125.9	132.2	141.6	149.9	156.8	162.4	166.8	170.0
-67.5°	80.3	87.2	93.6	99.5	105.0	110.0	114.5	118.5	122.0	125.0	127.4
-70°	61.0	65.0	68.8	73.0	77.8	82.2	86.2	89.7	92.8	95.4	97.6
-72.5°	47.7	49.5	51.5	54.5	57.3	59.9	62.2	64.2	66.0	67.5	68.8
-75°	40.2	41.0	42.4	43.7	44.9	46.0	47.0	47.8	48.6	49.2	49.8
-77.5°	36.7	36.3	36.2	36.2	36.4	36.7	37.5	38.2	38.8	39.4	39.8
-80°	28.9	28.7	28.5	28.2	27.9	27.4	27.7	28.1	28.6	29.0	29.4
-82.5°	22.9	22.7	22.4	21.8	21.2	20.4	19.2	18.1	17.0	15.8	14.7
-85°	18.7	18.5	18.5	18.5	18.6	18.7	18.0	17.1	16.2	15.3	14.3
-87.5°	12.9	12.3	11.7	11.0	10.2	9.3	8.4	7.5	6.5	5.5	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699985 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1L-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°	6.7	4.5	2.3	0.0	2.3	4.5	6.7	8.9	11.0	13.1	15.1
85°	13.4	12.3	11.2	10.1	11.2	12.3	13.4	14.5	15.6	16.7	17.9
82.5°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	20.0	20.0	20.0	20.0
80°	30.1	30.2	30.4	30.4	30.4	30.2	30.1	29.8	29.4	29.0	28.5
77.5°	40.2	40.4	40.6	40.6	40.6	40.4	40.2	39.8	39.4	38.8	38.2
75°	50.2	50.5	50.6	50.7	50.6	50.5	50.2	49.8	49.2	48.6	47.8
72.5°	60.2	60.5	60.7	60.8	60.7	60.5	60.2	59.7	59.1	58.3	57.4
70°	79.7	80.5	80.9	81.1	80.9	80.5	79.7	78.5	77.1	75.3	73.3
67.5°	90.5	90.9	91.2	91.3	91.2	90.9	90.5	89.8	89.0	88.0	86.8
65°	109.7	110.7	111.3	111.5	111.3	110.7	109.7	108.2	106.4	104.2	101.6
62.5°	138.9	140.6	141.7	142.0	141.7	140.6	138.9	136.5	133.4	129.7	125.3
60°	174.5	178.0	180.7	182.5	180.7	178.0	174.5	170.2	165.4	160.1	154.4
57.5°	244.4	256.0	265.9	273.8	265.9	256.0	244.4	231.7	218.3	204.7	191.2
55°	434.6	474.0	508.9	537.4	508.9	474.0	434.6	392.1	348.4	305.1	263.6
52.5°	713.5	784.7	848.5	902.5	848.5	784.7	713.5	637.4	558.7	479.7	402.7
50°	1075.4	1191.2	1297.1	1389.2	1297.1	1191.2	1075.4	953.8	830.2	708.1	591.2
47.5°	1333.1	1457.9	1575.3	1683.2	1575.3	1457.9	1333.1	1203.1	1070.1	936.2	817.1
45°	1416.5	1521.8	1624.0	1723.8	1624.0	1521.8	1416.5	1307.6	1194.6	1076.9	991.1
42.5°	1414.3	1489.2	1560.6	1632.5	1560.6	1489.2	1414.3	1332.2	1239.5	1133.1	1078.3
40°	1444.7	1490.4	1527.3	1561.6	1527.3	1490.4	1444.7	1384.3	1304.2	1201.9	1159.3
37.5°	1615.6	1657.0	1681.4	1693.4	1681.4	1657.0	1615.6	1553.0	1465.6	1369.6	1317.6
35°	1993.5	2066.5	2111.8	2129.4	2111.8	2066.5	1993.5	1892.9	1765.4	1739.2	1697.7
32.5°	2623.2	2721.7	2764.8	2758.1	2764.8	2721.7	2623.2	2465.0	2244.0	2551.4	2551.6
30°	4345.3	4514.9	4457.6	4228.4	4457.6	4514.9	4345.3	3903.4	3669.7	4338.9	4319.4
27.5°	9277.6	9783.7	9585.7	8831.9	9585.7	9783.7	9277.6	7952.0	7468.9	8281.0	7694.2
25°	17075.3	17370.6	16603.7	14997.0	16603.7	17370.6	17075.3	15642.9	16116.8	15598.1	13750.0
22.5°	27452.2	28174.1	27579.2	25735.3	27579.2	28174.1	27452.2	26530.6	26642.7	25657.1	23380.3
20°	40884.7	43519.5	44736.9	44129.2	44736.9	43519.5	40884.7	38844.9	37767.8	36623.5	34056.4
17.5°	56886.8	61724.0	65275.3	66477.7	65275.3	61724.0	56886.8	52821.1	49512.8	46511.7	44500.8
15°	75996.1	84954.5	92575.6	96471.7	92575.6	84954.5	75996.1	67549.4	61547.6	56534.9	52323.5
12.5°	100627.4	118701.1	137296.2	147039.8	137296.2	118701.1	100627.4	86091.3	72861.3	64840.5	59305.9
10°	143730.7	187313.9	231136.9	244627.0	231136.9	187313.9	143730.7	108657.4	87247.3	72329.3	64528.4
7.5°	220732.2	336980.8	471314.4	521803.2	471314.4	336980.8	220732.2	145145.8	101540.0	81047.9	69836.0
5°	346464.2	612016.7	948987.2	#####	948987.2	612016.7	346464.2	192969.5	121064.0	89376.6	73717.8
2.5°	492416.8	964405.3	#####	#####	#####	964405.3	492416.8	246559.0	140494.9	95767.9	76408.9
0°	572705.9	#####	#####	#####	#####	#####	572705.9	270027.6	150056.4	99229.8	77946.0
-2.5°	517778.2	#####	#####	#####	#####	#####	517778.2	255394.3	146835.5	100269.6	80288.8
-5°	380128.8	687454.5	#####	#####	#####	687454.5	380128.8	206486.4	132855.0	98133.9	81740.0
-7.5°	243546.0	399526.2	577883.8	658044.0	577883.8	399526.2	243546.0	160344.1	115148.1	93465.2	82472.0
-10°	163128.0	219473.6	279280.3	295053.1	279280.3	219473.6	163128.0	125430.1	103844.3	89663.2	83785.3
-12.5°	122476.4	142161.6	159341.5	166716.4	159341.5	142161.6	122476.4	108208.9	95213.1	90356.2	87799.8
-15°	107698.6	115269.8	120390.4	123494.8	120390.4	115269.8	107698.6	99860.6	95769.3	93470.6	92069.2
-17.5°	104078.1	106307.7	108353.5	110343.2	108353.5	106307.7	104078.1	100365.8	98486.7	97287.6	96620.0
-20°	105336.6	106058.0	107161.7	108497.8	107161.7	106058.0	105336.6	103515.0	101579.2	100438.3	99064.2



REPORT NUMBER: P699985 (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°	106463.5	107136.0	108016.0	108933.8	108016.0	107136.0	106463.5	105408.6	103307.7	101358.6	99469.7
-25°	105719.0	106441.1	107071.0	107504.0	107071.0	106441.1	105719.0	104955.8	102777.4	100362.1	98072.9
-27.5°	102947.6	103675.6	104125.2	104249.1	104125.2	103675.6	102947.6	101989.4	100219.3	97214.5	94123.0
-30°	98473.4	99370.8	99828.5	99848.4	99828.5	99370.8	98473.4	97142.7	95192.3	89685.0	82600.9
-32.5°	89733.2	92278.0	93774.0	94190.2	93774.0	92278.0	89733.2	86184.6	81688.6	74491.1	64829.9
-35°	72053.7	75566.6	77613.1	78189.4	77613.1	75566.6	72053.7	67097.9	60740.1	53199.0	45105.7
-37.5°	49287.3	52366.2	54220.0	54826.9	54220.0	52366.2	49287.3	45017.7	39603.2	33133.1	29232.2
-40°	30415.1	31734.6	32504.9	32742.0	32504.9	31734.6	30415.1	28536.7	26095.8	23086.8	19984.9
-42.5°	20909.6	21930.0	22591.8	22896.1	22591.8	21930.0	20909.6	19532.6	17804.0	15731.5	13463.6
-45°	13922.8	14668.4	15188.7	15473.6	15188.7	14668.4	13922.8	12963.5	11803.0	10454.8	8889.4
-47.5°	8856.7	9350.0	9691.4	9876.3	9691.4	9350.0	8856.7	8217.0	7437.2	6523.9	5452.4
-50°	5189.4	5511.1	5740.3	5871.0	5740.3	5511.1	5189.4	4781.8	4295.2	3736.5	3112.6
-52.5°	2696.4	2855.0	2964.1	3021.7	2964.1	2855.0	2696.4	2490.5	2239.9	1946.9	1614.3
-55°	1283.6	1354.1	1403.1	1429.7	1403.1	1354.1	1283.6	1192.7	1082.5	954.0	808.5
-57.5°	606.2	636.3	657.5	669.2	657.5	636.3	606.2	567.8	521.7	468.7	409.5
-60°	297.8	301.3	303.5	304.2	303.5	301.3	297.8	293.0	287.2	280.4	272.7
-62.5°	240.0	242.7	243.9	243.4	243.9	242.7	240.0	235.6	229.7	222.2	213.2
-65°	172.1	173.1	173.2	172.4	173.2	173.1	172.1	170.0	166.8	162.4	156.8
-67.5°	129.3	130.7	131.5	131.8	131.5	130.7	129.3	127.4	125.0	122.0	118.5
-70°	99.2	100.4	101.2	101.4	101.2	100.4	99.2	97.6	95.4	92.8	89.7
-72.5°	69.7	70.4	70.9	71.0	70.9	70.4	69.7	68.8	67.5	66.0	64.2
-75°	50.2	50.5	50.6	50.7	50.6	50.5	50.2	49.8	49.2	48.6	47.8
-77.5°	40.2	40.4	40.6	40.6	40.6	40.4	40.2	39.8	39.4	38.8	38.2
-80°	29.8	30.1	30.3	30.4	30.3	30.1	29.8	29.4	29.0	28.6	28.1
-82.5°	13.5	12.4	11.2	10.1	11.2	12.4	13.5	14.7	15.8	17.0	18.1
-85°	13.3	12.3	11.2	10.1	11.2	12.3	13.3	14.3	15.3	16.2	17.1
-87.5°	3.3	2.2	1.1	0.0	1.1	2.2	3.3	4.4	5.5	6.5	7.5
-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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.0	18.8	18.4	18.0	17.6	17.1	16.6	16.1	15.5	15.0	14.4
85°	19.1	20.3	21.2	22.1	22.8	23.4	23.9	24.3	24.5	24.6	24.5
82.5°	20.1	20.4	21.5	22.6	23.8	24.9	26.0	27.1	28.3	29.4	30.4
80°	27.9	27.4	27.9	28.2	28.5	28.7	28.9	28.9	28.9	29.5	30.6
77.5°	37.5	36.7	36.4	36.2	36.2	36.3	36.7	37.0	36.8	36.4	35.9
75°	47.0	46.0	44.9	43.7	42.4	41.0	40.2	39.8	39.8	40.2	40.7
72.5°	56.4	55.3	54.0	52.6	51.1	49.5	47.7	45.9	43.9	41.8	41.2
70°	70.9	68.1	64.9	61.9	59.7	57.8	55.8	53.7	51.5	49.1	47.0
67.5°	85.5	83.4	80.6	76.9	72.7	68.7	65.0	61.7	59.0	56.3	53.5
65°	98.6	95.0	91.5	88.7	85.2	81.0	76.0	71.1	67.0	63.5	60.3
62.5°	120.2	113.8	107.3	102.5	97.9	93.7	89.4	83.8	77.3	70.6	67.2
60°	148.7	144.9	138.7	130.0	118.5	105.0	99.9	95.4	91.4	84.2	76.7
57.5°	180.9	177.3	173.5	166.8	157.0	144.0	127.7	107.9	98.6	95.4	89.9
55°	232.4	222.7	215.3	206.6	196.9	185.1	169.7	150.5	129.9	104.8	100.0
52.5°	352.2	322.2	290.1	256.3	239.8	227.1	213.1	194.2	181.7	164.2	128.2
50°	527.1	469.8	412.0	359.1	318.7	277.2	253.2	236.9	230.9	220.5	199.2
47.5°	737.0	652.5	567.2	494.5	427.9	367.5	320.2	279.3	272.7	267.4	253.3
45°	919.1	838.9	749.4	651.8	556.1	477.9	407.5	367.1	320.2	302.5	297.7
42.5°	1038.0	990.0	913.6	812.5	704.8	600.8	525.8	478.2	415.7	353.1	327.4
40°	1120.5	1078.4	1023.2	959.1	854.8	731.9	686.7	617.4	540.5	451.2	370.4
37.5°	1237.8	1151.9	1103.7	1049.1	974.6	932.5	882.7	801.0	692.0	579.9	468.5
35°	1509.0	1347.2	1208.8	1118.0	1074.6	1149.6	1126.5	1017.5	886.2	737.4	585.5
32.5°	2168.2	1878.3	1448.2	1272.6	1335.2	1421.7	1394.7	1283.7	1105.1	928.2	742.8
30°	3737.7	3016.0	2248.9	1902.3	1998.8	1828.1	1725.9	1585.7	1380.5	1138.2	914.4
27.5°	6791.9	5066.2	4031.1	4298.7	3341.4	2745.3	2231.5	1935.5	1684.7	1396.7	1115.9
25°	11948.0	9279.5	8764.1	8475.7	6934.3	4194.6	3099.2	2459.8	2042.1	1683.0	1323.8
22.5°	19508.1	17212.9	15736.5	14109.5	11873.2	8221.6	4688.8	3099.3	2442.0	2002.7	1613.8
20°	30516.0	26865.3	24104.1	21336.9	18010.8	13413.9	7343.4	4399.4	3098.1	2519.6	1971.7
17.5°	41261.9	37566.2	33154.5	29235.1	25011.5	19501.3	12385.8	6320.6	4146.7	3150.5	2379.4
15°	50359.0	47069.8	42653.8	37680.7	32443.8	26170.0	18059.7	8717.9	5564.0	3990.6	2905.4
12.5°	56536.9	54905.8	51659.2	46038.9	39885.6	32990.8	23936.1	13533.8	7536.4	5002.1	3488.5
10°	61499.0	60913.6	57917.9	52510.6	46490.3	39458.9	29852.3	18243.5	9511.1	6068.9	4097.8
7.5°	65060.2	63405.3	61722.5	57855.0	52312.0	45641.6	35633.4	22701.4	11431.8	7151.1	4710.4
5°	67276.2	65399.4	64737.6	62234.7	57420.8	51423.8	41068.2	26744.8	13236.0	8204.0	5300.9
2.5°	69024.9	67118.3	67168.8	65845.7	61915.5	56681.0	45924.6	30199.0	14856.5	9179.7	5842.5
0°	<b>70422.1</b>	<b>68718.6</b>	<b>69276.3</b>	<b>68931.6</b>	<b>65920.0</b>	<b>61286.0</b>	<b>49959.7</b>	<b>32883.9</b>	<b>16224.0</b>	<b>10028.4</b>	<b>6307.1</b>
-2.5°	73297.7	71930.8	72451.0	72035.2	69122.8	64199.7	52002.9	33998.9	16960.8	10361.5	6420.4
-5°	76114.7	75251.3	75645.4	74968.8	72000.1	66215.0	52810.0	34056.3	17302.3	10480.9	6416.5
-7.5°	79003.6	78721.5	78906.8	77812.9	74581.1	67227.7	52231.2	32961.1	17181.2	10352.8	6284.2
-10°	82467.3	82394.5	82273.7	80640.1	76897.1	67159.2	50147.0	30637.8	16538.8	9947.4	6013.8
-12.5°	86846.2	86387.4	85488.6	83492.8	78980.3	65958.8	46472.5	27033.4	15326.9	9239.5	5597.2
-15°	91283.0	89889.1	87786.3	84430.0	77148.6	62106.2	41269.5	22117.7	13509.1	8209.6	5028.4
-17.5°	94719.5	92440.8	89438.8	84764.0	72750.0	54739.8	34936.1	19643.1	11881.7	7135.2	4340.3
-20°	97189.8	93953.5	89176.1	80163.9	65665.6	46137.3	27533.3	16738.2	10175.7	6236.4	3767.4



REPORT NUMBER: P699985 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1L-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	97538.3	93196.5	85632.3	73473.5	55144.7	37074.2	22468.2	13752.9	8288.2	5173.3	3090.9
-25°	94623.8	88647.3	77524.4	61156.1	43998.4	27580.3	17863.0	11398.2	7111.9	4320.0	2390.9
-27.5°	86848.9	78004.0	63941.0	48089.4	32276.4	21723.0	14076.4	8885.9	5729.4	3475.3	2011.7
-30°	73230.8	60855.1	48217.4	34716.5	24298.2	16120.8	10603.1	7158.0	4525.1	2609.7	1551.2
-32.5°	54291.5	43631.9	32701.2	24899.4	17321.4	11901.2	8246.0	5398.8	3266.7	2039.1	1214.3
-35°	36093.1	29189.9	22611.5	17134.9	12282.1	8877.6	6007.5	3855.8	2435.5	1464.8	884.4
-37.5°	24572.6	19708.6	15696.2	11735.4	8896.4	6260.9	4140.6	2699.6	1658.6	1057.5	666.3
-40°	16825.9	13348.7	10791.6	8214.7	6062.4	4042.8	2789.8	1767.7	1160.4	721.7	499.9
-42.5°	11391.3	9202.1	7218.7	5416.5	3772.2	2688.6	1764.5	1167.2	744.0	523.0	423.7
-45°	7443.5	5917.3	4408.2	3370.4	2361.6	1655.5	1055.6	724.5	509.5	417.6	368.4
-47.5°	4483.0	3564.2	2646.4	1972.3	1400.1	913.4	667.8	461.0	398.8	350.9	351.7
-50°	2492.3	1987.5	1478.6	1038.8	794.5	565.2	436.7	362.2	328.0	325.4	306.0
-52.5°	1247.9	1022.5	801.1	586.8	469.4	386.6	319.5	300.9	292.2	265.1	208.9
-55°	639.9	533.0	447.8	368.6	311.3	296.4	280.4	256.6	223.6	181.9	158.2
-57.5°	344.9	302.7	292.6	281.3	268.9	248.0	221.0	190.7	168.4	147.7	127.5
-60°	264.4	256.5	241.8	224.3	203.9	181.3	165.8	149.5	132.2	120.5	108.1
-62.5°	202.7	189.9	177.2	165.8	153.5	140.3	128.5	119.5	110.1	99.8	89.0
-65°	149.9	141.6	132.2	125.9	119.3	112.1	104.5	96.4	87.9	78.9	70.1
-67.5°	114.5	110.0	105.0	99.5	93.6	87.2	80.3	73.1	67.3	62.0	57.1
-70°	86.2	82.2	77.8	73.0	68.8	65.0	61.0	56.7	52.2	49.1	47.4
-72.5°	62.2	59.9	57.3	54.5	51.5	49.5	47.7	45.9	43.9	41.8	41.2
-75°	47.0	46.0	44.9	43.7	42.4	41.0	40.2	39.8	39.8	40.2	40.7
-77.5°	37.5	36.7	36.4	36.2	36.2	36.3	36.7	37.0	36.8	36.4	35.9
-80°	27.7	27.4	27.9	28.2	28.5	28.7	28.9	28.9	28.9	28.9	28.8
-82.5°	19.2	20.4	21.2	21.8	22.4	22.7	22.9	22.9	22.7	22.2	21.6
-85°	18.0	18.7	18.6	18.5	18.5	18.5	18.7	18.9	19.3	19.7	20.3
-87.5°	8.4	9.3	10.2	11.0	11.7	12.3	12.9	13.4	13.8	14.1	14.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P699985 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-1L-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°	14.5	14.5	14.4	14.2	13.9	13.5	13.0	12.4	11.6	10.4	9.1
85°	24.6	24.8	25.2	25.6	26.3	27.0	26.0	24.8	23.2	20.8	18.3
82.5°	30.4	29.8	29.2	28.8	28.7	28.8	29.1	29.6	30.4	30.4	27.4
80°	31.3	31.8	31.9	31.8	31.2	30.4	30.1	30.1	30.4	30.4	30.4
77.5°	35.0	34.5	34.3	34.5	34.4	33.8	32.8	31.3	30.4	30.4	30.4
75°	40.6	39.3	38.2	37.5	37.3	37.4	36.6	35.2	33.2	30.7	30.4
72.5°	41.8	41.9	41.5	40.5	39.5	39.0	39.2	39.2	37.0	34.1	31.2
70°	45.3	44.2	43.9	43.3	42.1	40.4	40.0	40.2	40.6	37.4	34.1
67.5°	50.6	48.6	47.2	46.4	45.5	43.7	41.2	40.5	40.9	40.6	37.0
65°	57.1	53.8	50.5	49.0	48.2	47.5	45.0	41.7	41.2	41.2	39.8
62.5°	63.6	59.9	56.1	52.1	49.9	49.3	49.0	45.7	42.3	41.9	41.2
60°	69.9	65.9	61.7	57.4	53.1	50.3	50.2	49.5	45.5	42.7	42.1
57.5°	81.4	72.7	67.3	62.6	57.9	53.1	50.6	50.8	48.5	44.8	43.1
55°	93.4	84.3	74.5	67.8	62.6	57.4	52.1	51.1	50.8	47.2	44.1
52.5°	104.3	95.7	85.2	74.5	67.3	61.7	56.1	51.7	51.5	49.3	45.8
50°	148.1	107.4	96.3	84.3	72.7	65.9	59.9	54.7	52.2	50.9	47.4
47.5°	227.6	157.8	108.5	94.4	81.4	69.9	63.7	57.7	53.2	51.9	48.9
45°	279.8	242.5	150.6	106.7	89.9	76.9	67.8	60.4	55.5	52.9	50.2
42.5°	321.5	299.8	237.2	120.5	101.2	85.1	72.0	64.1	57.7	54.0	51.3
40°	348.7	338.5	313.1	205.8	113.5	93.5	79.1	67.9	59.6	55.3	52.3
37.5°	372.7	367.5	348.7	294.0	142.9	105.2	86.6	71.8	61.8	56.9	53.4
35°	462.7	388.4	383.7	346.7	217.3	116.7	94.1	76.8	65.2	58.2	54.6
32.5°	560.1	430.2	402.6	366.8	286.0	128.0	103.1	83.3	68.6	59.3	55.8
30°	699.0	521.0	410.9	384.7	335.5	182.7	113.0	89.6	72.0	60.3	56.9
27.5°	854.5	605.2	435.3	395.3	350.4	235.9	122.5	95.8	75.3	61.8	57.8
25°	1017.7	725.2	508.2	405.4	363.5	283.9	131.7	101.8	79.7	64.5	58.5
22.5°	1216.3	860.1	579.1	417.1	374.6	325.8	155.8	109.4	84.5	67.0	59.1
20°	1431.7	995.2	647.3	438.7	383.9	335.0	191.4	116.5	89.0	69.3	59.6
17.5°	1674.9	1152.1	750.0	494.1	393.3	342.6	222.3	123.1	93.2	71.6	60.0
15°	2007.9	1334.7	855.9	545.3	403.0	348.6	248.6	129.2	97.1	73.6	60.3
12.5°	2357.2	1516.7	955.4	591.7	412.7	353.1	270.3	134.7	100.6	75.5	60.5
10°	2711.4	1693.0	1046.6	632.8	421.9	356.1	287.5	139.6	103.7	77.1	60.6
7.5°	3057.4	1858.4	1127.6	667.9	430.2	357.6	300.4	143.8	106.4	78.5	60.7
5°	3381.4	2007.1	1196.2	696.2	437.4	357.9	309.0	147.3	108.6	79.7	60.8
2.5°	3668.5	2133.2	1250.3	717.2	442.8	357.0	313.6	150.1	110.3	80.5	60.8
0°	3903.9	2230.8	1287.8	730.1	446.2	354.9	314.3	152.1	111.5	81.1	60.8
-2.5°	3939.6	2232.1	1280.1	724.2	445.7	359.0	320.6	152.7	111.7	81.4	61.2
-5°	3902.5	2197.1	1253.5	709.9	443.0	362.4	322.7	152.5	111.3	81.3	61.5
-7.5°	3787.0	2124.1	1207.7	687.5	438.6	365.4	320.2	151.4	110.4	80.9	61.8
-10°	3588.5	2011.9	1142.7	657.2	432.6	368.4	312.5	149.4	109.0	80.2	62.1
-12.5°	3303.2	1859.5	1058.4	619.4	425.6	371.7	299.3	146.4	107.0	79.1	62.3
-15°	2928.3	1666.1	955.0	574.4	417.8	375.5	280.3	142.5	104.5	77.8	62.4
-17.5°	2461.8	1431.5	832.7	522.6	409.6	380.2	255.0	137.6	101.4	76.1	62.4
-20°	2131.2	1222.1	705.6	464.4	401.2	385.9	223.3	131.7	97.8	74.1	62.4



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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°	1798.3	1051.7	634.0	442.8	398.4	392.9	184.8	124.8	93.8	71.9	62.2
-25°	1420.8	862.1	556.6	431.6	404.8	348.5	158.5	116.9	89.2	69.3	61.9
-27.5°	1154.3	686.6	473.7	421.4	413.5	294.6	149.0	111.1	84.7	66.4	61.5
-30°	933.4	591.9	446.2	417.5	424.4	232.3	138.3	104.9	81.2	65.0	61.0
-32.5°	708.6	492.0	436.5	430.4	375.0	166.5	126.6	98.2	77.3	64.3	59.6
-35°	586.9	444.3	421.2	446.4	290.7	152.6	115.7	91.0	73.1	63.5	57.8
-37.5°	457.0	419.4	424.0	403.4	196.8	137.4	107.2	85.0	68.6	62.5	56.0
-40°	422.5	401.5	423.8	287.8	158.1	121.1	98.2	79.6	66.3	61.3	54.0
-42.5°	384.0	397.6	336.1	175.4	139.0	110.6	89.1	74.0	64.7	59.2	51.9
-45°	374.6	350.1	221.3	152.4	120.4	99.7	82.6	68.7	62.9	56.7	50.2
-47.5°	337.2	237.0	161.0	129.9	108.1	89.4	75.8	66.3	60.7	54.2	48.9
-50°	230.1	164.9	136.1	113.7	95.4	81.4	69.7	63.5	57.7	51.5	47.4
-52.5°	164.0	137.6	116.6	99.6	85.2	72.9	66.2	60.4	54.6	49.3	45.8
-55°	134.2	116.6	100.9	87.1	75.1	67.2	62.0	56.9	51.4	47.2	44.1
-57.5°	113.7	99.5	86.9	75.3	67.3	62.0	57.7	53.2	48.5	44.8	43.1
-60°	95.6	84.2	73.2	66.3	61.0	56.9	53.3	49.5	45.5	42.7	42.1
-62.5°	78.5	69.4	63.7	58.7	55.1	52.1	49.0	45.7	42.3	41.9	41.2
-65°	64.5	59.3	54.9	52.4	49.9	47.5	45.0	41.7	41.2	41.2	39.8
-67.5°	52.8	50.9	48.9	46.8	45.5	43.7	41.2	40.5	40.9	40.6	37.0
-70°	46.0	44.4	43.9	43.3	42.1	40.4	40.0	40.2	40.6	37.4	34.1
-72.5°	41.8	41.9	41.5	40.5	39.5	39.0	39.2	39.1	37.0	34.1	31.2
-75°	40.6	39.3	38.2	37.5	37.3	37.3	36.1	34.8	33.2	30.7	30.4
-77.5°	35.0	34.5	34.3	33.7	33.0	32.2	31.4	30.5	30.4	30.4	30.4
-80°	28.6	28.4	28.2	27.9	27.5	27.2	28.3	29.4	30.4	30.4	30.4
-82.5°	21.8	22.7	23.8	24.9	26.0	27.1	28.2	29.4	30.4	30.4	27.4
-85°	21.5	22.6	23.7	24.8	26.0	27.0	26.0	24.8	23.2	20.8	18.3
-87.5°	14.5	14.5	14.4	14.2	13.9	13.5	13.0	12.4	11.6	10.4	9.1
-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°	7.9	6.6	5.3	4.0	2.6	1.3	0.0
85°	15.7	13.1	10.5	7.9	5.3	2.6	0.0
82.5°	23.5	19.7	15.8	11.9	7.9	4.0	0.0
80°	30.4	26.2	21.0	15.8	10.5	5.3	0.0
77.5°	30.4	30.4	26.2	19.7	13.1	6.6	0.0
75°	30.4	30.4	30.4	23.5	15.7	7.9	0.0
72.5°	30.4	30.4	30.4	27.4	18.3	9.1	0.0
70°	30.7	30.4	30.4	30.4	20.8	10.4	0.0
67.5°	33.2	30.4	30.4	30.4	23.2	11.6	0.0
65°	35.6	31.4	30.4	30.4	25.7	12.8	0.0
62.5°	38.0	33.4	30.4	30.4	28.0	14.0	0.0
60°	40.3	35.3	30.4	30.4	30.4	15.2	0.0
57.5°	41.5	37.2	31.8	30.4	30.4	16.3	0.0
55°	42.5	39.1	33.3	30.4	30.4	17.4	0.0
52.5°	43.6	40.8	34.8	30.4	30.4	18.5	0.0
50°	44.7	41.7	36.1	30.4	30.4	19.5	0.0
47.5°	45.8	42.8	37.5	30.6	30.4	20.5	0.0
45°	46.9	43.8	38.8	31.6	30.4	21.5	0.0
42.5°	47.9	44.8	40.0	32.5	30.4	22.4	0.0
40°	48.8	45.9	41.0	33.4	30.4	23.3	0.0
37.5°	49.6	47.0	41.8	34.3	30.4	24.1	0.0
35°	50.3	47.7	42.6	35.0	30.4	24.9	0.0
32.5°	51.0	48.3	43.4	35.8	30.4	25.6	0.0
30°	51.9	48.8	44.2	36.5	30.4	26.3	0.0
27.5°	52.8	49.2	45.0	37.1	30.4	27.0	0.0
25°	53.8	49.6	45.7	37.7	30.4	27.6	0.0
22.5°	54.7	49.9	46.4	38.3	30.4	28.1	0.0
20°	55.6	50.1	47.1	38.7	30.4	28.6	0.0
17.5°	56.5	50.3	47.7	39.2	30.4	29.0	0.0
15°	57.3	50.4	48.3	39.6	30.4	29.4	0.0
12.5°	58.1	50.6	48.8	39.9	30.4	29.7	0.0
10°	58.8	50.6	49.3	40.1	30.4	29.9	0.0
7.5°	59.4	50.7	49.8	40.3	30.4	30.1	0.0
5°	60.0	50.7	50.2	40.5	30.4	30.3	0.0
2.5°	60.4	50.7	50.5	40.6	30.4	30.4	0.0
0°	60.8	50.7	50.7	40.6	30.4	30.4	0.0
-2.5°	60.7	50.7	50.5	40.6	30.4	30.4	0.0
-5°	60.6	50.7	50.2	40.5	30.4	30.3	0.0
-7.5°	60.3	50.7	49.8	40.3	30.4	30.1	0.0
-10°	59.9	50.6	49.3	40.1	30.4	29.9	0.0
-12.5°	59.3	50.6	48.8	39.9	30.4	29.7	0.0
-15°	58.7	50.4	48.3	39.6	30.4	29.4	0.0
-17.5°	57.9	50.3	47.7	39.2	30.4	29.0	0.0
-20°	57.1	50.1	47.1	38.7	30.4	28.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	56.1	49.9	46.4	38.3	30.4	28.1	0.0
-25°	55.0	49.6	45.7	37.7	30.4	27.6	0.0
-27.5°	53.8	49.2	45.0	37.1	30.4	27.0	0.0
-30°	52.5	48.8	44.2	36.5	30.4	26.3	0.0
-32.5°	51.1	48.3	43.4	35.8	30.4	25.6	0.0
-35°	50.3	47.7	42.6	35.0	30.4	24.9	0.0
-37.5°	49.6	47.0	41.8	34.3	30.4	24.1	0.0
-40°	48.8	45.9	41.0	33.4	30.4	23.3	0.0
-42.5°	47.9	44.8	40.0	32.5	30.4	22.4	0.0
-45°	46.9	43.8	38.8	31.6	30.4	21.5	0.0
-47.5°	45.8	42.8	37.5	30.6	30.4	20.5	0.0
-50°	44.7	41.7	36.1	30.4	30.4	19.5	0.0
-52.5°	43.6	40.8	34.8	30.4	30.4	18.5	0.0
-55°	42.5	39.1	33.3	30.4	30.4	17.4	0.0
-57.5°	41.5	37.2	31.8	30.4	30.4	16.3	0.0
-60°	40.3	35.3	30.4	30.4	30.4	15.2	0.0
-62.5°	38.0	33.4	30.4	30.4	28.0	14.0	0.0
-65°	35.6	31.4	30.4	30.4	25.7	12.8	0.0
-67.5°	33.2	30.4	30.4	30.4	23.2	11.6	0.0
-70°	30.7	30.4	30.4	30.4	20.8	10.4	0.0
-72.5°	30.4	30.4	30.4	27.4	18.3	9.1	0.0
-75°	30.4	30.4	30.4	23.5	15.7	7.9	0.0
-77.5°	30.4	30.4	26.2	19.7	13.1	6.6	0.0
-80°	30.4	26.2	21.0	15.8	10.5	5.3	0.0
-82.5°	23.5	19.7	15.8	11.9	7.9	4.0	0.0
-85°	15.7	13.1	10.5	7.9	5.3	2.6	0.0
-87.5°	7.9	6.6	5.3	4.0	2.6	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)