

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: P1305343 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-40-70-3S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

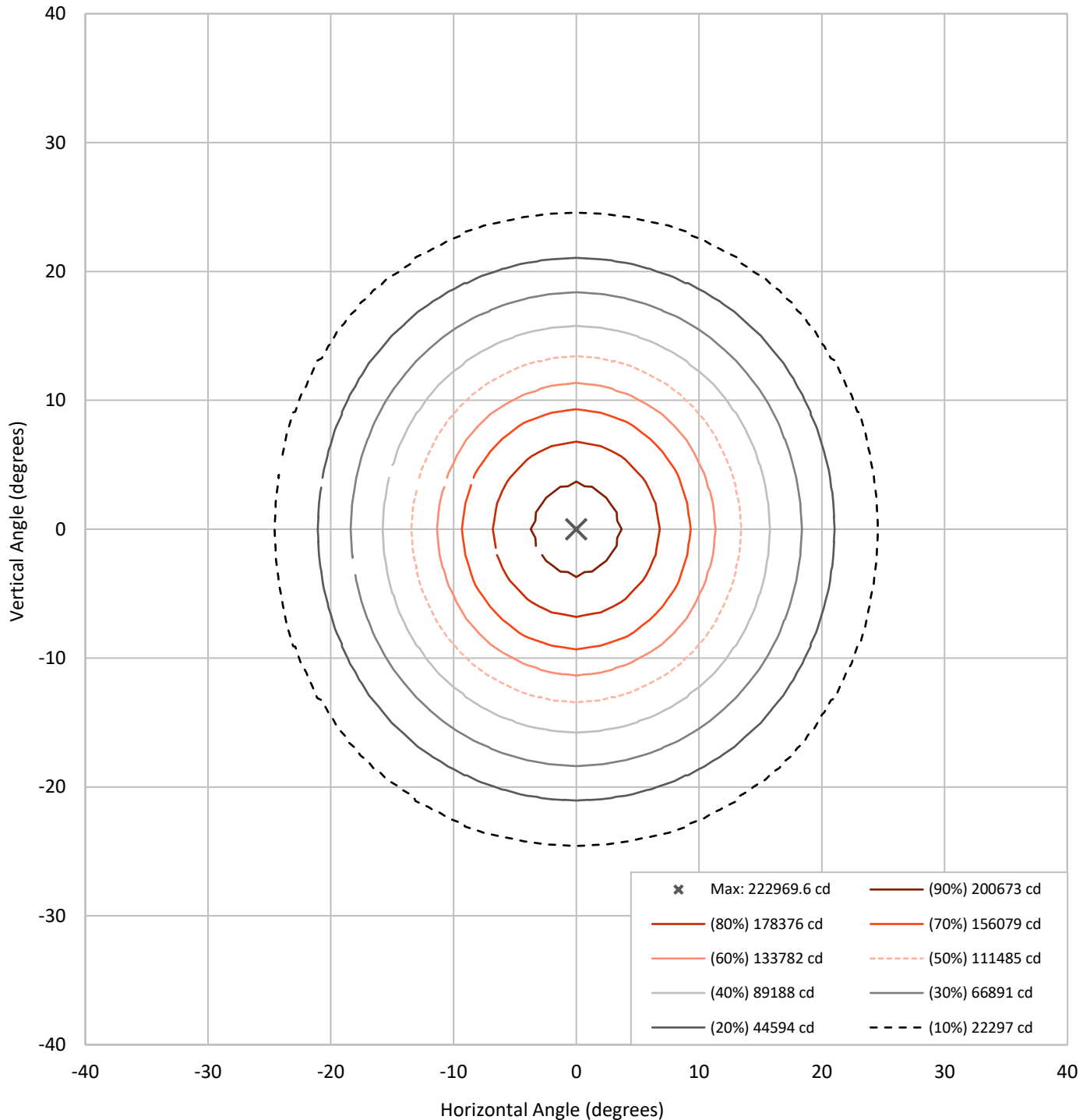
Test Method: LM-79-08  
Report Number: P1305343 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320L-40-70-3S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 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:	60221.2 lumens	Max Intensity:	222969.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	180.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	26110.9 lumens	Field Lumens:	49989.4 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%
Input Watts (W):	334		
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





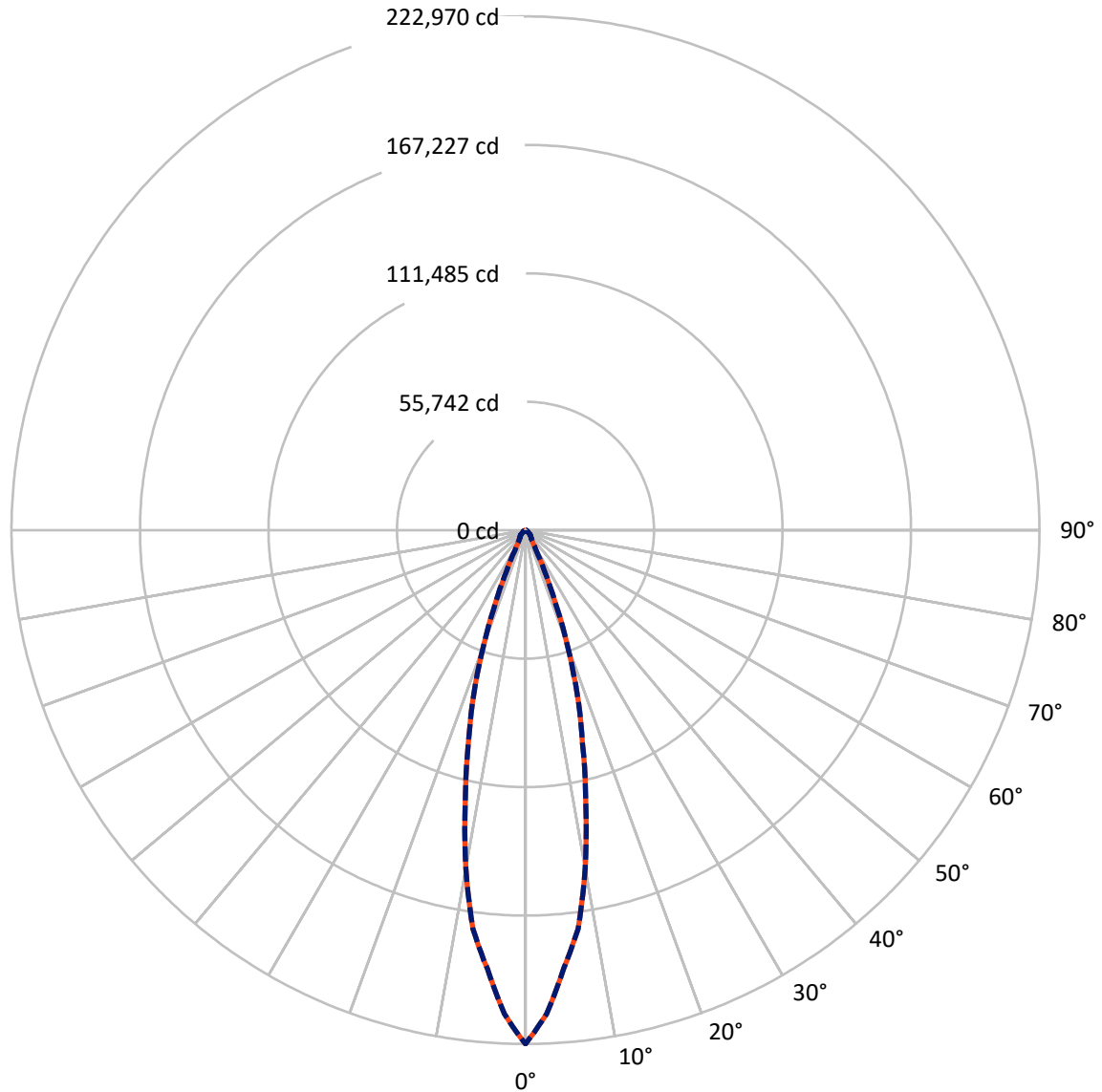
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### Lumen Table

90	0.1	0.5		2.1		5.5		7.2		5.5		2.1		0.5		0.1
80	0.1	0.5		2.1		5.5		7.2		5.5		2.1		0.5		0.1
70	0.2	0.3	1.3	4.0	7.9	11.9	15.3	17.1	17.1	15.3	11.9	7.9	4.0	1.3	0.3	0.2
60		1.0	4.7	11.0	18.8	26.9	33.3	36.8	36.8	33.3	26.9	18.8	11.0	4.7	1.0	
50	0.7	2.5	9.0	19.1	31.5	49.7	71.1	83.4	83.4	71.1	49.7	31.5	19.1	9.0	2.5	0.7
40		4.2	13.3	27.3	55.7	91.7	117.9	138.5	138.5	117.9	91.7	55.7	27.3	13.3	4.2	
30	1.6	5.7	17.2	39.1	83.0	131.4	303.8	624.8	624.8	303.8	131.4	83.0	39.1	17.2	5.7	1.6
20		6.9	20.0	52.6	100.3	286.8	1329.1	2661.6	2661.6	1329.1	286.8	100.3	52.6	20.0	6.9	
10	2.0	7.5	21.4	59.8	114.5	575.2	2588.7	5105.5	5105.5	2588.7	575.2	114.5	59.8	21.4	7.5	2.0
0		7.5	21.4	59.8	114.5	575.2	2588.7	5105.5	5105.5	2588.7	575.2	114.5	59.8	21.4	7.5	
-10	1.6	6.9	20.0	52.6	100.3	286.8	1329.1	2661.6	2661.6	1329.1	286.8	100.3	52.6	20.0	6.9	1.6
-20		5.7	17.2	39.1	83.0	131.4	303.8	624.8	624.8	303.8	131.4	83.0	39.1	17.2	5.7	
-30	0.7	4.2	13.3	27.3	55.7	91.7	117.9	138.5	138.5	117.9	91.7	55.7	27.3	13.3	4.2	0.7
-40		2.5	9.0	19.1	31.5	49.7	71.1	83.4	83.4	71.1	49.7	31.5	19.1	9.0	2.5	
-50	0.2	1.0	4.7	11.0	18.8	26.9	33.3	36.8	36.8	33.3	26.9	18.8	11.0	4.7	1.0	0.2
-60		0.3	1.3	4.0	7.9	11.9	15.3	17.1	17.1	15.3	11.9	7.9	4.0	1.3	0.3	
-70	0.1	0.5		2.1		5.5		7.2		5.5		2.1		0.5		0.1
-80		0.5		2.1		5.5		7.2		5.5		2.1		0.5		
-90	0.1	0.5		2.1		5.5		7.2		5.5		2.1		0.5		0.1

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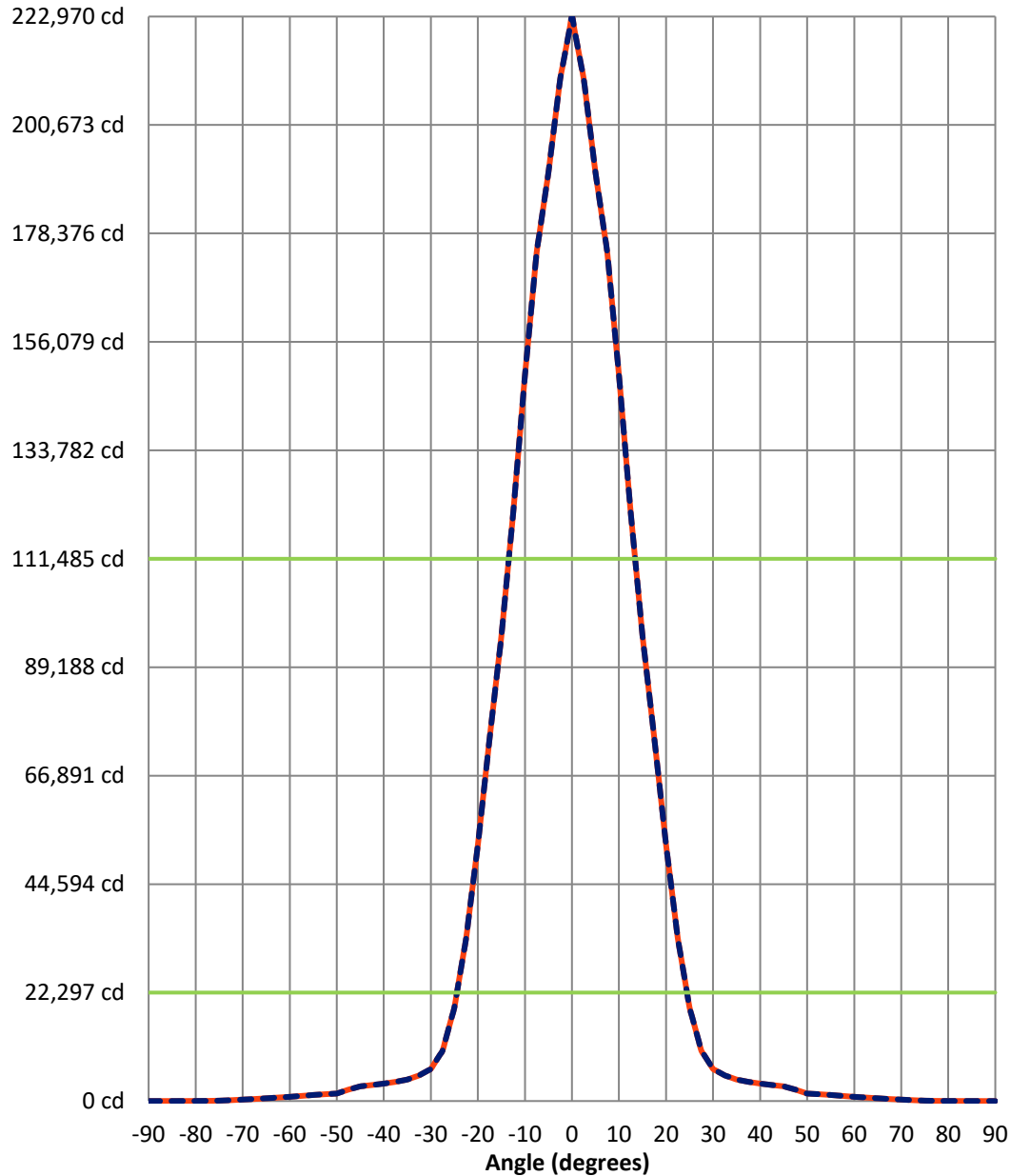
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 26.9°  
V Angle: 26.9°  
Lumens: 26110.9  
Efficiency: 43.4%

**Field:**  
H Angle: 48.9°  
V Angle: 48.9°  
Lumens: 49989.4  
Efficiency: 83.0%

**Spill:**  
Lumens: 10231.7  
Efficiency: 17.0%

— 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	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
85°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.1	3.5
82.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.5	4.9
80°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.7	5.2	5.7	6.2
77.5°	0.0	0.9	1.8	2.7	3.5	4.3	5.0	5.6	6.2	6.8	7.6
75°	0.0	1.1	2.1	3.2	4.2	5.0	5.7	6.5	7.3	8.5	9.7
72.5°	0.0	1.2	2.5	3.7	4.7	5.6	6.5	7.5	8.9	10.4	11.8
70°	0.0	1.4	2.8	4.2	5.2	6.2	7.3	8.9	10.6	12.3	14.5
67.5°	0.0	1.6	3.1	4.5	5.7	6.8	8.5	10.4	12.3	14.8	17.3
65°	0.0	1.7	3.5	4.9	6.2	7.6	9.7	11.8	14.5	17.3	20.9
62.5°	0.0	1.9	3.8	5.2	6.6	8.6	10.9	13.6	16.7	20.3	26.4
60°	0.0	2.0	4.1	5.6	7.1	9.6	12.1	15.5	18.9	25.1	31.7
57.5°	0.0	2.2	4.3	5.9	7.8	10.5	13.6	17.3	22.6	29.8	45.6
55°	0.0	2.4	4.5	6.3	8.6	11.4	15.1	19.1	26.7	36.9	63.2
52.5°	0.0	2.5	4.7	6.6	9.3	12.4	16.6	22.4	30.7	52.3	80.3
50°	0.0	2.6	5.0	6.9	10.0	13.6	18.1	25.8	37.3	67.3	111.4
47.5°	0.0	2.8	5.2	7.2	10.6	14.8	19.7	29.0	50.1	81.8	143.3
45°	0.0	2.9	5.3	7.7	11.3	15.9	22.4	32.1	62.5	109.0	174.0
42.5°	0.0	3.0	5.5	8.2	11.9	17.0	24.9	39.4	74.4	135.5	210.2
40°	0.0	3.1	5.7	8.6	12.6	18.0	27.4	49.3	89.4	160.9	245.9
37.5°	0.0	3.3	5.9	9.0	13.4	19.0	29.7	58.8	110.7	186.8	280.0
35°	0.0	3.4	6.0	9.4	14.1	20.5	31.9	67.7	131.0	215.7	312.0
32.5°	0.0	3.5	6.2	9.8	14.8	22.2	35.5	76.1	150.0	243.0	341.7
30°	0.0	3.6	6.3	10.1	15.5	23.8	42.2	85.8	167.9	268.5	369.6
27.5°	0.0	3.6	6.4	10.5	16.1	25.3	48.4	100.2	186.1	292.3	395.5
25°	0.0	3.7	6.5	10.8	16.6	26.7	54.2	113.5	205.4	313.8	419.8
22.5°	0.0	3.8	6.6	11.0	17.1	28.0	59.4	125.6	223.1	333.3	447.4
20°	0.0	3.9	6.7	11.3	17.6	29.1	64.1	136.5	239.0	350.9	472.4
17.5°	0.0	3.9	6.8	11.5	18.0	30.1	68.3	146.2	253.1	366.6	494.7
15°	0.0	4.0	6.9	11.7	18.3	31.0	71.9	154.7	265.4	380.2	514.1
12.5°	0.0	4.0	7.0	11.8	18.6	31.7	75.0	161.8	275.9	391.9	530.6
10°	0.0	4.0	7.0	12.0	18.9	32.3	77.6	167.7	284.5	401.4	544.2
7.5°	0.0	4.1	7.0	12.1	19.1	32.8	79.5	172.4	291.2	408.9	554.8
5°	0.0	4.1	7.1	12.1	19.2	33.1	81.0	175.7	296.0	414.2	562.4
2.5°	0.0	4.1	7.1	12.2	19.3	33.3	81.8	177.6	298.9	417.4	567.0
0°	0.0	4.1	7.1	12.2	19.3	33.4	82.1	178.3	299.9	418.5	568.5
-2.5°	0.0	4.1	7.1	12.2	19.3	33.3	81.8	177.6	298.9	417.4	567.0
-5°	0.0	4.1	7.1	12.1	19.2	33.1	81.0	175.7	296.0	414.2	562.4
-7.5°	0.0	4.1	7.0	12.1	19.1	32.8	79.5	172.4	291.2	408.9	554.8
-10°	0.0	4.0	7.0	12.0	18.9	32.3	77.6	167.7	284.5	401.4	544.2
-12.5°	0.0	4.0	7.0	11.8	18.6	31.7	75.0	161.8	275.9	391.9	530.6
-15°	0.0	4.0	6.9	11.7	18.3	31.0	71.9	154.7	265.4	380.2	514.1
-17.5°	0.0	3.9	6.8	11.5	18.0	30.1	68.3	146.2	253.1	366.6	494.7
-20°	0.0	3.9	6.7	11.3	17.6	29.1	64.1	136.5	239.0	350.9	472.4



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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	3.8	6.6	11.0	17.1	28.0	59.4	125.6	223.1	333.3	447.4
-25°	0.0	3.7	6.5	10.8	16.6	26.7	54.2	113.5	205.4	313.8	419.8
-27.5°	0.0	3.6	6.4	10.5	16.1	25.3	48.4	100.2	186.1	292.3	395.5
-30°	0.0	3.6	6.3	10.1	15.5	23.8	42.2	85.8	167.9	268.5	369.6
-32.5°	0.0	3.5	6.2	9.8	14.8	22.2	35.5	76.1	150.0	243.0	341.7
-35°	0.0	3.4	6.0	9.4	14.1	20.5	31.9	67.7	131.0	215.7	312.0
-37.5°	0.0	3.3	5.9	9.0	13.4	19.0	29.7	58.8	110.7	186.8	280.0
-40°	0.0	3.1	5.7	8.6	12.6	18.0	27.4	49.3	89.4	160.9	245.9
-42.5°	0.0	3.0	5.5	8.2	11.9	17.0	24.9	39.4	74.4	135.5	210.2
-45°	0.0	2.9	5.3	7.7	11.3	15.9	22.4	32.1	62.5	109.0	174.0
-47.5°	0.0	2.8	5.2	7.2	10.6	14.8	19.7	29.0	50.1	81.8	143.3
-50°	0.0	2.6	5.0	6.9	10.0	13.6	18.1	25.8	37.3	67.3	111.4
-52.5°	0.0	2.5	4.7	6.6	9.3	12.4	16.6	22.4	30.7	52.3	80.3
-55°	0.0	2.4	4.5	6.3	8.6	11.4	15.1	19.1	26.7	36.9	63.2
-57.5°	0.0	2.2	4.3	5.9	7.8	10.5	13.6	17.3	22.6	29.8	45.6
-60°	0.0	2.0	4.1	5.6	7.1	9.6	12.1	15.5	18.9	25.1	31.7
-62.5°	0.0	1.9	3.8	5.2	6.6	8.6	10.9	13.6	16.7	20.3	26.4
-65°	0.0	1.7	3.5	4.9	6.2	7.6	9.7	11.8	14.5	17.3	20.9
-67.5°	0.0	1.6	3.1	4.5	5.7	6.8	8.5	10.4	12.3	14.8	17.3
-70°	0.0	1.4	2.8	4.2	5.2	6.2	7.3	8.9	10.6	12.3	14.5
-72.5°	0.0	1.2	2.5	3.7	4.7	5.6	6.5	7.5	8.9	10.4	11.8
-75°	0.0	1.1	2.1	3.2	4.2	5.0	5.7	6.5	7.3	8.5	9.7
-77.5°	0.0	0.9	1.8	2.7	3.5	4.3	5.0	5.6	6.2	6.8	7.6
-80°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.7	5.2	5.7	6.2
-82.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.5	4.9
-85°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.1	3.5
-87.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-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°	1.9	2.0	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3
85°	3.8	4.1	4.3	4.5	4.7	5.0	5.2	5.3	5.5	5.7	5.9
82.5°	5.2	5.6	5.9	6.3	6.6	6.9	7.2	7.7	8.2	8.6	9.0
80°	6.6	7.1	7.8	8.6	9.3	10.0	10.6	11.3	11.9	12.6	13.4
77.5°	8.6	9.6	10.5	11.4	12.4	13.6	14.8	15.9	17.0	18.0	19.0
75°	10.9	12.1	13.6	15.1	16.6	18.1	19.7	22.4	24.9	27.4	29.7
72.5°	13.6	15.5	17.3	19.1	22.4	25.8	29.0	32.1	39.4	49.3	58.8
70°	16.7	18.9	22.6	26.7	30.7	37.3	50.1	62.5	74.4	89.4	110.7
67.5°	20.3	25.1	29.8	36.9	52.3	67.3	81.8	109.0	135.5	160.9	186.8
65°	26.4	31.7	45.6	63.2	80.3	111.4	143.3	174.0	210.2	245.9	280.0
62.5°	32.3	49.9	69.7	95.9	133.1	169.3	211.2	254.0	295.2	333.8	370.6
60°	49.9	71.9	104.6	146.2	189.0	239.0	287.4	333.3	377.3	419.8	470.7
57.5°	69.7	104.6	150.6	200.2	255.7	309.6	360.8	410.4	468.7	526.8	582.6
55°	95.9	146.2	200.2	261.4	320.6	377.5	436.5	504.1	569.5	633.7	695.1
52.5°	133.1	189.0	255.7	320.6	383.0	450.6	525.6	598.9	670.6	739.2	803.7
50°	169.3	239.0	309.6	377.5	450.6	532.8	613.7	693.0	768.5	840.6	919.3
47.5°	211.2	287.4	360.8	436.5	525.6	613.7	700.5	783.3	863.0	956.6	1048.3
45°	254.0	333.3	410.4	504.1	598.9	693.0	783.3	870.5	975.4	1077.8	1179.9
42.5°	295.2	377.3	468.7	569.5	670.6	768.5	863.0	975.4	1087.8	1200.2	1298.5
40°	333.8	419.8	526.8	633.7	739.2	840.6	956.6	1077.8	1200.2	1307.1	1402.8
37.5°	370.6	470.7	582.6	695.1	803.7	919.3	1048.3	1179.9	1298.5	1402.8	1487.5
35°	405.4	519.2	636.6	752.7	865.3	1001.2	1139.7	1272.8	1385.3	1480.1	1713.3
32.5°	443.7	565.0	687.6	806.8	936.3	1080.2	1227.0	1350.5	1457.9	1620.4	2189.9
30°	482.8	608.8	735.2	857.6	1004.5	1157.0	1299.2	1421.4	1523.3	2047.7	2593.6
27.5°	519.2	649.8	778.9	913.4	1068.9	1229.0	1363.7	1478.9	1814.0	2434.4	2949.3
25°	552.8	687.6	819.3	968.0	1130.8	1287.8	1421.1	1532.6	2167.2	2746.6	3129.8
22.5°	583.9	722.2	856.3	1018.0	1187.6	1339.1	1467.0	1796.9	2469.3	3028.4	3257.3
20°	612.3	752.7	894.4	1063.7	1239.2	1385.6	1508.9	2073.8	2715.6	3137.2	3379.4
17.5°	637.5	779.9	931.4	1106.0	1278.9	1423.9	1577.6	2322.4	2937.2	3235.4	3492.1
15°	659.6	803.7	963.8	1143.0	1312.5	1454.3	1779.4	2508.3	3067.9	3323.8	3592.7
12.5°	678.4	823.9	991.4	1174.6	1341.2	1480.3	1952.4	2663.1	3136.8	3403.3	3698.5
10°	693.8	840.6	1014.1	1200.6	1364.9	1501.7	2095.3	2791.3	3194.0	3469.4	3786.6
7.5°	705.9	853.7	1031.9	1221.0	1383.5	1518.5	2207.5	2892.0	3238.9	3521.4	3856.2
5°	714.6	863.0	1044.7	1235.7	1396.8	1530.6	2288.2	2964.5	3271.3	3559.0	3906.4
2.5°	719.8	868.6	1052.3	1244.5	1404.8	1537.9	2336.8	3008.2	3290.9	3581.6	3936.7
0°	721.5	870.5	1054.9	1247.4	1407.5	1540.3	2353.0	3022.8	3297.4	3589.2	3946.9
-2.5°	719.8	868.6	1052.3	1244.5	1404.8	1537.9	2336.8	3008.2	3290.9	3581.6	3936.7
-5°	714.6	863.0	1044.7	1235.7	1396.8	1530.6	2288.2	2964.5	3271.3	3559.0	3906.4
-7.5°	705.9	853.7	1031.9	1221.0	1383.5	1518.5	2207.5	2892.0	3238.9	3521.4	3856.2
-10°	693.8	840.6	1014.1	1200.6	1364.9	1501.7	2095.3	2791.3	3194.0	3469.4	3786.6
-12.5°	678.4	823.9	991.4	1174.6	1341.2	1480.3	1952.4	2663.1	3136.8	3403.3	3698.5
-15°	659.6	803.7	963.8	1143.0	1312.5	1454.3	1779.4	2508.3	3067.9	3323.8	3592.7
-17.5°	637.5	779.9	931.4	1106.0	1278.9	1423.9	1577.6	2322.4	2937.2	3235.4	3492.1
-20°	612.3	752.7	894.4	1063.7	1239.2	1385.6	1508.9	2073.8	2715.6	3137.2	3379.4



REPORT NUMBER: P1305343 (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°	583.9	722.2	856.3	1018.0	1187.6	1339.1	1467.0	1796.9	2469.3	3028.4	3257.3
-25°	552.8	687.6	819.3	968.0	1130.8	1287.8	1421.1	1532.6	2167.2	2746.6	3129.8
-27.5°	519.2	649.8	778.9	913.4	1068.9	1229.0	1363.7	1478.9	1814.0	2434.4	2949.3
-30°	482.8	608.8	735.2	857.6	1004.5	1157.0	1299.2	1421.4	1523.3	2047.7	2593.6
-32.5°	443.7	565.0	687.6	806.8	936.3	1080.2	1227.0	1350.5	1457.9	1620.4	2189.9
-35°	405.4	519.2	636.6	752.7	865.3	1001.2	1139.7	1272.8	1385.3	1480.1	1713.3
-37.5°	370.6	470.7	582.6	695.1	803.7	919.3	1048.3	1179.9	1298.5	1402.8	1487.5
-40°	333.8	419.8	526.8	633.7	739.2	840.6	956.6	1077.8	1200.2	1307.1	1402.8
-42.5°	295.2	377.3	468.7	569.5	670.6	768.5	863.0	975.4	1087.8	1200.2	1298.5
-45°	254.0	333.3	410.4	504.1	598.9	693.0	783.3	870.5	975.4	1077.8	1179.9
-47.5°	211.2	287.4	360.8	436.5	525.6	613.7	700.5	783.3	863.0	956.6	1048.3
-50°	169.3	239.0	309.6	377.5	450.6	532.8	613.7	693.0	768.5	840.6	919.3
-52.5°	133.1	189.0	255.7	320.6	383.0	450.6	525.6	598.9	670.6	739.2	803.7
-55°	95.9	146.2	200.2	261.4	320.6	377.5	436.5	504.1	569.5	633.7	695.1
-57.5°	69.7	104.6	150.6	200.2	255.7	309.6	360.8	410.4	468.7	526.8	582.6
-60°	49.9	71.9	104.6	146.2	189.0	239.0	287.4	333.3	377.3	419.8	470.7
-62.5°	32.3	49.9	69.7	95.9	133.1	169.3	211.2	254.0	295.2	333.8	370.6
-65°	26.4	31.7	45.6	63.2	80.3	111.4	143.3	174.0	210.2	245.9	280.0
-67.5°	20.3	25.1	29.8	36.9	52.3	67.3	81.8	109.0	135.5	160.9	186.8
-70°	16.7	18.9	22.6	26.7	30.7	37.3	50.1	62.5	74.4	89.4	110.7
-72.5°	13.6	15.5	17.3	19.1	22.4	25.8	29.0	32.1	39.4	49.3	58.8
-75°	10.9	12.1	13.6	15.1	16.6	18.1	19.7	22.4	24.9	27.4	29.7
-77.5°	8.6	9.6	10.5	11.4	12.4	13.6	14.8	15.9	17.0	18.0	19.0
-80°	6.6	7.1	7.8	8.6	9.3	10.0	10.6	11.3	11.9	12.6	13.4
-82.5°	5.2	5.6	5.9	6.3	6.6	6.9	7.2	7.7	8.2	8.6	9.0
-85°	3.8	4.1	4.3	4.5	4.7	5.0	5.2	5.3	5.5	5.7	5.9
-87.5°	1.9	2.0	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3
-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: P1305343 (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°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.0
85°	6.0	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0
82.5°	9.4	9.8	10.1	10.5	10.8	11.0	11.3	11.5	11.7	11.8	12.0
80°	14.1	14.8	15.5	16.1	16.6	17.1	17.6	18.0	18.3	18.6	18.9
77.5°	20.5	22.2	23.8	25.3	26.7	28.0	29.1	30.1	31.0	31.7	32.3
75°	31.9	35.5	42.2	48.4	54.2	59.4	64.1	68.3	71.9	75.0	77.6
72.5°	67.7	76.1	85.8	100.2	113.5	125.6	136.5	146.2	154.7	161.8	167.7
70°	131.0	150.0	167.9	186.1	205.4	223.1	239.0	253.1	265.4	275.9	284.5
67.5°	215.7	243.0	268.5	292.3	313.8	333.3	350.9	366.6	380.2	391.9	401.4
65°	312.0	341.7	369.6	395.5	419.8	447.4	472.4	494.7	514.1	530.6	544.2
62.5°	405.4	443.7	482.8	519.2	552.8	583.9	612.3	637.5	659.6	678.4	693.8
60°	519.2	565.0	608.8	649.8	687.6	722.2	752.7	779.9	803.7	823.9	840.6
57.5°	636.6	687.6	735.2	778.9	819.3	856.3	894.4	931.4	963.8	991.4	1014.1
55°	752.7	806.8	857.6	913.4	968.0	1018.0	1063.7	1106.0	1143.0	1174.6	1200.6
52.5°	865.3	936.3	1004.5	1068.9	1130.8	1187.6	1239.2	1278.9	1312.5	1341.2	1364.9
50°	1001.2	1080.2	1157.0	1229.0	1287.8	1339.1	1385.6	1423.9	1454.3	1480.3	1501.7
47.5°	1139.7	1227.0	1299.2	1363.7	1421.1	1467.0	1508.9	1577.6	1779.4	1952.4	2095.3
45°	1272.8	1350.5	1421.4	1478.9	1532.6	1796.9	2073.8	2322.4	2508.3	2663.1	2791.3
42.5°	1385.3	1457.9	1523.3	1814.0	2167.2	2469.3	2715.6	2937.2	3067.9	3136.8	3194.0
40°	1480.1	1620.4	2047.7	2434.4	2746.6	3028.4	3137.2	3235.4	3323.8	3403.3	3469.4
37.5°	1713.3	2189.9	2593.6	2949.3	3129.8	3257.3	3379.4	3492.1	3592.7	3698.5	3786.6
35°	2237.6	2674.2	3043.3	3198.7	3348.4	3493.8	3636.6	3785.8	3918.5	4061.9	4189.4
32.5°	2674.2	3060.3	3233.7	3405.5	3571.8	3759.0	3935.8	4146.2	4337.2	4566.7	4814.6
30°	3043.3	3233.7	3424.7	3616.4	3833.9	4068.6	4321.2	4654.0	5023.3	5388.5	5811.9
27.5°	3198.7	3405.5	3616.4	3859.1	4137.9	4433.7	4917.5	5414.7	6040.9	6590.3	7911.2
25°	3348.4	3571.8	3833.9	4137.9	4498.3	5051.8	5741.3	6492.0	8248.9	9964.2	12829.5
22.5°	3493.8	3759.0	4068.6	4433.7	5051.8	5851.7	6964.4	9280.5	12766.6	17168.0	21979.9
20°	3636.6	3935.8	4321.2	4917.5	5741.3	6964.4	9630.3	14490.0	20281.7	28064.9	35249.8
17.5°	3785.8	4146.2	4654.0	5414.7	6492.0	9280.5	14490.0	21769.4	31219.7	41999.8	52108.5
15°	3918.5	4337.2	5023.3	6040.9	8248.9	12766.6	20281.7	31219.7	44315.1	57679.2	70572.9
12.5°	4061.9	4566.7	5388.5	6590.3	9964.2	17168.0	28064.9	41999.8	57679.2	73704.5	87579.2
10°	4189.4	4814.6	5811.9	7911.2	12829.5	21979.9	35249.8	52108.5	70572.9	87579.2	104131.1
7.5°	4290.2	5011.3	6148.9	8970.6	15571.8	26886.1	42657.8	61541.7	81086.2	99934.2	121097.8
5°	4363.2	5153.9	6393.9	9743.6	17581.9	30503.2	48161.6	68687.2	88960.8	110932.2	135139.7
2.5°	4407.4	5240.3	6542.8	10214.4	18809.8	32722.2	51557.8	73132.7	93918.9	118312.6	145446.2
0°	4422.2	5269.3	6592.7	10372.5	19222.9	33470.4	52706.5	74643.1	95615.0	120858.1	149155.4
-2.5°	4407.4	5240.3	6542.8	10214.4	18809.8	32722.2	51557.8	73132.7	93918.9	118312.6	145446.2
-5°	4363.2	5153.9	6393.9	9743.6	17581.9	30503.2	48161.6	68687.2	88960.8	110932.2	135139.7
-7.5°	4290.2	5011.3	6148.9	8970.6	15571.8	26886.1	42657.8	61541.7	81086.2	99934.2	121097.8
-10°	4189.4	4814.6	5811.9	7911.2	12829.5	21979.9	35249.8	52108.5	70572.9	87579.2	104131.1
-12.5°	4061.9	4566.7	5388.5	6590.3	9964.2	17168.0	28064.9	41999.8	57679.2	73704.5	87579.2
-15°	3918.5	4337.2	5023.3	6040.9	8248.9	12766.6	20281.7	31219.7	44315.1	57679.2	70572.9
-17.5°	3785.8	4146.2	4654.0	5414.7	6492.0	9280.5	14490.0	21769.4	31219.7	41999.8	52108.5
-20°	3636.6	3935.8	4321.2	4917.5	5741.3	6964.4	9630.3	14490.0	20281.7	28064.9	35249.8



REPORT NUMBER: P1305343 (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°	3493.8	3759.0	4068.6	4433.7	5051.8	5851.7	6964.4	9280.5	12766.6	17168.0	21979.9
-25°	3348.4	3571.8	3833.9	4137.9	4498.3	5051.8	5741.3	6492.0	8248.9	9964.2	12829.5
-27.5°	3198.7	3405.5	3616.4	3859.1	4137.9	4433.7	4917.5	5414.7	6040.9	6590.3	7911.2
-30°	3043.3	3233.7	3424.7	3616.4	3833.9	4068.6	4321.2	4654.0	5023.3	5388.5	5811.9
-32.5°	2674.2	3060.3	3233.7	3405.5	3571.8	3759.0	3935.8	4146.2	4337.2	4566.7	4814.6
-35°	2237.6	2674.2	3043.3	3198.7	3348.4	3493.8	3636.6	3785.8	3918.5	4061.9	4189.4
-37.5°	1713.3	2189.9	2593.6	2949.3	3129.8	3257.3	3379.4	3492.1	3592.7	3698.5	3786.6
-40°	1480.1	1620.4	2047.7	2434.4	2746.6	3028.4	3137.2	3235.4	3323.8	3403.3	3469.4
-42.5°	1385.3	1457.9	1523.3	1814.0	2167.2	2469.3	2715.6	2937.2	3067.9	3136.8	3194.0
-45°	1272.8	1350.5	1421.4	1478.9	1532.6	1796.9	2073.8	2322.4	2508.3	2663.1	2791.3
-47.5°	1139.7	1227.0	1299.2	1363.7	1421.1	1467.0	1508.9	1577.6	1779.4	1952.4	2095.3
-50°	1001.2	1080.2	1157.0	1229.0	1287.8	1339.1	1385.6	1423.9	1454.3	1480.3	1501.7
-52.5°	865.3	936.3	1004.5	1068.9	1130.8	1187.6	1239.2	1278.9	1312.5	1341.2	1364.9
-55°	752.7	806.8	857.6	913.4	968.0	1018.0	1063.7	1106.0	1143.0	1174.6	1200.6
-57.5°	636.6	687.6	735.2	778.9	819.3	856.3	894.4	931.4	963.8	991.4	1014.1
-60°	519.2	565.0	608.8	649.8	687.6	722.2	752.7	779.9	803.7	823.9	840.6
-62.5°	405.4	443.7	482.8	519.2	552.8	583.9	612.3	637.5	659.6	678.4	693.8
-65°	312.0	341.7	369.6	395.5	419.8	447.4	472.4	494.7	514.1	530.6	544.2
-67.5°	215.7	243.0	268.5	292.3	313.8	333.3	350.9	366.6	380.2	391.9	401.4
-70°	131.0	150.0	167.9	186.1	205.4	223.1	239.0	253.1	265.4	275.9	284.5
-72.5°	67.7	76.1	85.8	100.2	113.5	125.6	136.5	146.2	154.7	161.8	167.7
-75°	31.9	35.5	42.2	48.4	54.2	59.4	64.1	68.3	71.9	75.0	77.6
-77.5°	20.5	22.2	23.8	25.3	26.7	28.0	29.1	30.1	31.0	31.7	32.3
-80°	14.1	14.8	15.5	16.1	16.6	17.1	17.6	18.0	18.3	18.6	18.9
-82.5°	9.4	9.8	10.1	10.5	10.8	11.0	11.3	11.5	11.7	11.8	12.0
-85°	6.0	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0
-87.5°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305343 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-70-3S-HEG-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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9
85°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.8
82.5°	12.1	12.1	12.2	12.2	12.2	12.1	12.1	12.0	11.8	11.7	11.5
80°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	18.9	18.6	18.3	18.0
77.5°	32.8	33.1	33.3	33.4	33.3	33.1	32.8	32.3	31.7	31.0	30.1
75°	79.5	81.0	81.8	82.1	81.8	81.0	79.5	77.6	75.0	71.9	68.3
72.5°	172.4	175.7	177.6	178.3	177.6	175.7	172.4	167.7	161.8	154.7	146.2
70°	291.2	296.0	298.9	299.9	298.9	296.0	291.2	284.5	275.9	265.4	253.1
67.5°	408.9	414.2	417.4	418.5	417.4	414.2	408.9	401.4	391.9	380.2	366.6
65°	554.8	562.4	567.0	568.5	567.0	562.4	554.8	544.2	530.6	514.1	494.7
62.5°	705.9	714.6	719.8	721.5	719.8	714.6	705.9	693.8	678.4	659.6	637.5
60°	853.7	863.0	868.6	870.5	868.6	863.0	853.7	840.6	823.9	803.7	779.9
57.5°	1031.9	1044.7	1052.3	1054.9	1052.3	1044.7	1031.9	1014.1	991.4	963.8	931.4
55°	1221.0	1235.7	1244.5	1247.4	1244.5	1235.7	1221.0	1200.6	1174.6	1143.0	1106.0
52.5°	1383.5	1396.8	1404.8	1407.5	1404.8	1396.8	1383.5	1364.9	1341.2	1312.5	1278.9
50°	1518.5	1530.6	1537.9	1540.3	1537.9	1530.6	1518.5	1501.7	1480.3	1454.3	1423.9
47.5°	2207.5	2288.2	2336.8	2353.0	2336.8	2288.2	2207.5	2095.3	1952.4	1779.4	1577.6
45°	2892.0	2964.5	3008.2	3022.8	3008.2	2964.5	2892.0	2791.3	2663.1	2508.3	2322.4
42.5°	3238.9	3271.3	3290.9	3297.4	3290.9	3271.3	3238.9	3194.0	3136.8	3067.9	2937.2
40°	3521.4	3559.0	3581.6	3589.2	3581.6	3559.0	3521.4	3469.4	3403.3	3323.8	3235.4
37.5°	3856.2	3906.4	3936.7	3946.9	3936.7	3906.4	3856.2	3786.6	3698.5	3592.7	3492.1
35°	4290.2	4363.2	4407.4	4422.2	4407.4	4363.2	4290.2	4189.4	4061.9	3918.5	3785.8
32.5°	5011.3	5153.9	5240.3	5269.3	5240.3	5153.9	5011.3	4814.6	4566.7	4337.2	4146.2
30°	6148.9	6393.9	6542.8	6592.7	6542.8	6393.9	6148.9	5811.9	5388.5	5023.3	4654.0
27.5°	8970.6	9743.6	10214.4	10372.5	10214.4	9743.6	8970.6	7911.2	6590.3	6040.9	5414.7
25°	15571.8	17581.9	18809.8	19222.9	18809.8	17581.9	15571.8	12829.5	9964.2	8248.9	6492.0
22.5°	26886.1	30503.2	32722.2	33470.4	32722.2	30503.2	26886.1	21979.9	17168.0	12766.6	9280.5
20°	42657.8	48161.6	51557.8	52706.5	51557.8	48161.6	42657.8	35249.8	28064.9	20281.7	14490.0
17.5°	61541.7	68687.2	73132.7	74643.1	73132.7	68687.2	61541.7	52108.5	41999.8	31219.7	21769.4
15°	81086.2	88960.8	93918.9	95615.0	93918.9	88960.8	81086.2	70572.9	57679.2	44315.1	31219.7
12.5°	99934.2	110932.2	118312.6	120858.1	118312.6	110932.2	99934.2	87579.2	73704.5	57679.2	41999.8
10°	121097.8	135139.7	145446.2	149155.4	145446.2	135139.7	121097.8	104131.1	87579.2	70572.9	52108.5
7.5°	141955.4	160911.7	171397.5	174510.6	171397.5	160911.7	141955.4	121097.8	99934.2	81086.2	61541.7
5°	160911.7	177855.1	187553.5	190908.8	187553.5	177855.1	160911.7	135139.7	110932.2	88960.8	68687.2
2.5°	171397.5	187553.5	201015.9	210151.0	201015.9	187553.5	171397.5	145446.2	118312.6	93918.9	73132.7
0°	174510.6	190908.8	210151.0	222969.6	210151.0	190908.8	174510.6	149155.4	120858.1	95615.0	74643.1
-2.5°	171397.5	187553.5	201015.9	210151.0	201015.9	187553.5	171397.5	145446.2	118312.6	93918.9	73132.7
-5°	160911.7	177855.1	187553.5	190908.8	187553.5	177855.1	160911.7	135139.7	110932.2	88960.8	68687.2
-7.5°	141955.4	160911.7	171397.5	174510.6	171397.5	160911.7	141955.4	121097.8	99934.2	81086.2	61541.7
-10°	121097.8	135139.7	145446.2	149155.4	145446.2	135139.7	121097.8	104131.1	87579.2	70572.9	52108.5
-12.5°	99934.2	110932.2	118312.6	120858.1	118312.6	110932.2	99934.2	87579.2	73704.5	57679.2	41999.8
-15°	81086.2	88960.8	93918.9	95615.0	93918.9	88960.8	81086.2	70572.9	57679.2	44315.1	31219.7
-17.5°	61541.7	68687.2	73132.7	74643.1	73132.7	68687.2	61541.7	52108.5	41999.8	31219.7	21769.4
-20°	42657.8	48161.6	51557.8	52706.5	51557.8	48161.6	42657.8	35249.8	28064.9	20281.7	14490.0



REPORT NUMBER: P1305343 (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°	26886.1	30503.2	32722.2	33470.4	32722.2	30503.2	26886.1	21979.9	17168.0	12766.6	9280.5
-25°	15571.8	17581.9	18809.8	19222.9	18809.8	17581.9	15571.8	12829.5	9964.2	8248.9	6492.0
-27.5°	8970.6	9743.6	10214.4	10372.5	10214.4	9743.6	8970.6	7911.2	6590.3	6040.9	5414.7
-30°	6148.9	6393.9	6542.8	6592.7	6542.8	6393.9	6148.9	5811.9	5388.5	5023.3	4654.0
-32.5°	5011.3	5153.9	5240.3	5269.3	5240.3	5153.9	5011.3	4814.6	4566.7	4337.2	4146.2
-35°	4290.2	4363.2	4407.4	4422.2	4407.4	4363.2	4290.2	4189.4	4061.9	3918.5	3785.8
-37.5°	3856.2	3906.4	3936.7	3946.9	3936.7	3906.4	3856.2	3786.6	3698.5	3592.7	3492.1
-40°	3521.4	3559.0	3581.6	3589.2	3581.6	3559.0	3521.4	3469.4	3403.3	3323.8	3235.4
-42.5°	3238.9	3271.3	3290.9	3297.4	3290.9	3271.3	3238.9	3194.0	3136.8	3067.9	2937.2
-45°	2892.0	2964.5	3008.2	3022.8	3008.2	2964.5	2892.0	2791.3	2663.1	2508.3	2322.4
-47.5°	2207.5	2288.2	2336.8	2353.0	2336.8	2288.2	2207.5	2095.3	1952.4	1779.4	1577.6
-50°	1518.5	1530.6	1537.9	1540.3	1537.9	1530.6	1518.5	1501.7	1480.3	1454.3	1423.9
-52.5°	1383.5	1396.8	1404.8	1407.5	1404.8	1396.8	1383.5	1364.9	1341.2	1312.5	1278.9
-55°	1221.0	1235.7	1244.5	1247.4	1244.5	1235.7	1221.0	1200.6	1174.6	1143.0	1106.0
-57.5°	1031.9	1044.7	1052.3	1054.9	1052.3	1044.7	1031.9	1014.1	991.4	963.8	931.4
-60°	853.7	863.0	868.6	870.5	868.6	863.0	853.7	840.6	823.9	803.7	779.9
-62.5°	705.9	714.6	719.8	721.5	719.8	714.6	705.9	693.8	678.4	659.6	637.5
-65°	554.8	562.4	567.0	568.5	567.0	562.4	554.8	544.2	530.6	514.1	494.7
-67.5°	408.9	414.2	417.4	418.5	417.4	414.2	408.9	401.4	391.9	380.2	366.6
-70°	291.2	296.0	298.9	299.9	298.9	296.0	291.2	284.5	275.9	265.4	253.1
-72.5°	172.4	175.7	177.6	178.3	177.6	175.7	172.4	167.7	161.8	154.7	146.2
-75°	79.5	81.0	81.8	82.1	81.8	81.0	79.5	77.6	75.0	71.9	68.3
-77.5°	32.8	33.1	33.3	33.4	33.3	33.1	32.8	32.3	31.7	31.0	30.1
-80°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	18.9	18.6	18.3	18.0
-82.5°	12.1	12.1	12.2	12.2	12.2	12.1	12.1	12.0	11.8	11.7	11.5
-85°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.8
-87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9
-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°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
85°	6.7	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.7	5.5	5.3
82.5°	11.3	11.0	10.8	10.5	10.1	9.8	9.4	9.0	8.6	8.2	7.7
80°	17.6	17.1	16.6	16.1	15.5	14.8	14.1	13.4	12.6	11.9	11.3
77.5°	29.1	28.0	26.7	25.3	23.8	22.2	20.5	19.0	18.0	17.0	15.9
75°	64.1	59.4	54.2	48.4	42.2	35.5	31.9	29.7	27.4	24.9	22.4
72.5°	136.5	125.6	113.5	100.2	85.8	76.1	67.7	58.8	49.3	39.4	32.1
70°	239.0	223.1	205.4	186.1	167.9	150.0	131.0	110.7	89.4	74.4	62.5
67.5°	350.9	333.3	313.8	292.3	268.5	243.0	215.7	186.8	160.9	135.5	109.0
65°	472.4	447.4	419.8	395.5	369.6	341.7	312.0	280.0	245.9	210.2	174.0
62.5°	612.3	583.9	552.8	519.2	482.8	443.7	405.4	370.6	333.8	295.2	254.0
60°	752.7	722.2	687.6	649.8	608.8	565.0	519.2	470.7	419.8	377.3	333.3
57.5°	894.4	856.3	819.3	778.9	735.2	687.6	636.6	582.6	526.8	468.7	410.4
55°	1063.7	1018.0	968.0	913.4	857.6	806.8	752.7	695.1	633.7	569.5	504.1
52.5°	1239.2	1187.6	1130.8	1068.9	1004.5	936.3	865.3	803.7	739.2	670.6	598.9
50°	1385.6	1339.1	1287.8	1229.0	1157.0	1080.2	1001.2	919.3	840.6	768.5	693.0
47.5°	1508.9	1467.0	1421.1	1363.7	1299.2	1227.0	1139.7	1048.3	956.6	863.0	783.3
45°	2073.8	1796.9	1532.6	1478.9	1421.4	1350.5	1272.8	1179.9	1077.8	975.4	870.5
42.5°	2715.6	2469.3	2167.2	1814.0	1523.3	1457.9	1385.3	1298.5	1200.2	1087.8	975.4
40°	3137.2	3028.4	2746.6	2434.4	2047.7	1620.4	1480.1	1402.8	1307.1	1200.2	1077.8
37.5°	3379.4	3257.3	3129.8	2949.3	2593.6	2189.9	1713.3	1487.5	1402.8	1298.5	1179.9
35°	3636.6	3493.8	3348.4	3198.7	3043.3	2674.2	2237.6	1713.3	1480.1	1385.3	1272.8
32.5°	3935.8	3759.0	3571.8	3405.5	3233.7	3060.3	2674.2	2189.9	1620.4	1457.9	1350.5
30°	4321.2	4068.6	3833.9	3616.4	3424.7	3233.7	3043.3	2593.6	2047.7	1523.3	1421.4
27.5°	4917.5	4433.7	4137.9	3859.1	3616.4	3405.5	3198.7	2949.3	2434.4	1814.0	1478.9
25°	5741.3	5051.8	4498.3	4137.9	3833.9	3571.8	3348.4	3129.8	2746.6	2167.2	1532.6
22.5°	6964.4	5851.7	5051.8	4433.7	4068.6	3759.0	3493.8	3257.3	3028.4	2469.3	1796.9
20°	9630.3	6964.4	5741.3	4917.5	4321.2	3935.8	3636.6	3379.4	3137.2	2715.6	2073.8
17.5°	14490.0	9280.5	6492.0	5414.7	4654.0	4146.2	3785.8	3492.1	3235.4	2937.2	2322.4
15°	20281.7	12766.6	8248.9	6040.9	5023.3	4337.2	3918.5	3592.7	3323.8	3067.9	2508.3
12.5°	28064.9	17168.0	9964.2	6590.3	5388.5	4566.7	4061.9	3698.5	3403.3	3136.8	2663.1
10°	35249.8	21979.9	12829.5	7911.2	5811.9	4814.6	4189.4	3786.6	3469.4	3194.0	2791.3
7.5°	42657.8	26886.1	15571.8	8970.6	6148.9	5011.3	4290.2	3856.2	3521.4	3238.9	2892.0
5°	48161.6	30503.2	17581.9	9743.6	6393.9	5153.9	4363.2	3906.4	3559.0	3271.3	2964.5
2.5°	51557.8	32722.2	18809.8	10214.4	6542.8	5240.3	4407.4	3936.7	3581.6	3290.9	3008.2
0°	52706.5	33470.4	19222.9	10372.5	6592.7	5269.3	4422.2	3946.9	3589.2	3297.4	3022.8
-2.5°	51557.8	32722.2	18809.8	10214.4	6542.8	5240.3	4407.4	3936.7	3581.6	3290.9	3008.2
-5°	48161.6	30503.2	17581.9	9743.6	6393.9	5153.9	4363.2	3906.4	3559.0	3271.3	2964.5
-7.5°	42657.8	26886.1	15571.8	8970.6	6148.9	5011.3	4290.2	3856.2	3521.4	3238.9	2892.0
-10°	35249.8	21979.9	12829.5	7911.2	5811.9	4814.6	4189.4	3786.6	3469.4	3194.0	2791.3
-12.5°	28064.9	17168.0	9964.2	6590.3	5388.5	4566.7	4061.9	3698.5	3403.3	3136.8	2663.1
-15°	20281.7	12766.6	8248.9	6040.9	5023.3	4337.2	3918.5	3592.7	3323.8	3067.9	2508.3
-17.5°	14490.0	9280.5	6492.0	5414.7	4654.0	4146.2	3785.8	3492.1	3235.4	2937.2	2322.4
-20°	9630.3	6964.4	5741.3	4917.5	4321.2	3935.8	3636.6	3379.4	3137.2	2715.6	2073.8



REPORT NUMBER: P1305343 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-70-3S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6964.4	5851.7	5051.8	4433.7	4068.6	3759.0	3493.8	3257.3	3028.4	2469.3	1796.9
-25°	5741.3	5051.8	4498.3	4137.9	3833.9	3571.8	3348.4	3129.8	2746.6	2167.2	1532.6
-27.5°	4917.5	4433.7	4137.9	3859.1	3616.4	3405.5	3198.7	2949.3	2434.4	1814.0	1478.9
-30°	4321.2	4068.6	3833.9	3616.4	3424.7	3233.7	3043.3	2593.6	2047.7	1523.3	1421.4
-32.5°	3935.8	3759.0	3571.8	3405.5	3233.7	3060.3	2674.2	2189.9	1620.4	1457.9	1350.5
-35°	3636.6	3493.8	3348.4	3198.7	3043.3	2674.2	2237.6	1713.3	1480.1	1385.3	1272.8
-37.5°	3379.4	3257.3	3129.8	2949.3	2593.6	2189.9	1713.3	1487.5	1402.8	1298.5	1179.9
-40°	3137.2	3028.4	2746.6	2434.4	2047.7	1620.4	1480.1	1402.8	1307.1	1200.2	1077.8
-42.5°	2715.6	2469.3	2167.2	1814.0	1523.3	1457.9	1385.3	1298.5	1200.2	1087.8	975.4
-45°	2073.8	1796.9	1532.6	1478.9	1421.4	1350.5	1272.8	1179.9	1077.8	975.4	870.5
-47.5°	1508.9	1467.0	1421.1	1363.7	1299.2	1227.0	1139.7	1048.3	956.6	863.0	783.3
-50°	1385.6	1339.1	1287.8	1229.0	1157.0	1080.2	1001.2	919.3	840.6	768.5	693.0
-52.5°	1239.2	1187.6	1130.8	1068.9	1004.5	936.3	865.3	803.7	739.2	670.6	598.9
-55°	1063.7	1018.0	968.0	913.4	857.6	806.8	752.7	695.1	633.7	569.5	504.1
-57.5°	894.4	856.3	819.3	778.9	735.2	687.6	636.6	582.6	526.8	468.7	410.4
-60°	752.7	722.2	687.6	649.8	608.8	565.0	519.2	470.7	419.8	377.3	333.3
-62.5°	612.3	583.9	552.8	519.2	482.8	443.7	405.4	370.6	333.8	295.2	254.0
-65°	472.4	447.4	419.8	395.5	369.6	341.7	312.0	280.0	245.9	210.2	174.0
-67.5°	350.9	333.3	313.8	292.3	268.5	243.0	215.7	186.8	160.9	135.5	109.0
-70°	239.0	223.1	205.4	186.1	167.9	150.0	131.0	110.7	89.4	74.4	62.5
-72.5°	136.5	125.6	113.5	100.2	85.8	76.1	67.7	58.8	49.3	39.4	32.1
-75°	64.1	59.4	54.2	48.4	42.2	35.5	31.9	29.7	27.4	24.9	22.4
-77.5°	29.1	28.0	26.7	25.3	23.8	22.2	20.5	19.0	18.0	17.0	15.9
-80°	17.6	17.1	16.6	16.1	15.5	14.8	14.1	13.4	12.6	11.9	11.3
-82.5°	11.3	11.0	10.8	10.5	10.1	9.8	9.4	9.0	8.6	8.2	7.7
-85°	6.7	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.7	5.5	5.3
-87.5°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
-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: P1305343 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-70-3S-HEG-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°	2.8	2.6	2.5	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.2
85°	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.5	3.1	2.8	2.5
82.5°	7.2	6.9	6.6	6.3	5.9	5.6	5.2	4.9	4.5	4.2	3.7
80°	10.6	10.0	9.3	8.6	7.8	7.1	6.6	6.2	5.7	5.2	4.7
77.5°	14.8	13.6	12.4	11.4	10.5	9.6	8.6	7.6	6.8	6.2	5.6
75°	19.7	18.1	16.6	15.1	13.6	12.1	10.9	9.7	8.5	7.3	6.5
72.5°	29.0	25.8	22.4	19.1	17.3	15.5	13.6	11.8	10.4	8.9	7.5
70°	50.1	37.3	30.7	26.7	22.6	18.9	16.7	14.5	12.3	10.6	8.9
67.5°	81.8	67.3	52.3	36.9	29.8	25.1	20.3	17.3	14.8	12.3	10.4
65°	143.3	111.4	80.3	63.2	45.6	31.7	26.4	20.9	17.3	14.5	11.8
62.5°	211.2	169.3	133.1	95.9	69.7	49.9	32.3	26.4	20.3	16.7	13.6
60°	287.4	239.0	189.0	146.2	104.6	71.9	49.9	31.7	25.1	18.9	15.5
57.5°	360.8	309.6	255.7	200.2	150.6	104.6	69.7	45.6	29.8	22.6	17.3
55°	436.5	377.5	320.6	261.4	200.2	146.2	95.9	63.2	36.9	26.7	19.1
52.5°	525.6	450.6	383.0	320.6	255.7	189.0	133.1	80.3	52.3	30.7	22.4
50°	613.7	532.8	450.6	377.5	309.6	239.0	169.3	111.4	67.3	37.3	25.8
47.5°	700.5	613.7	525.6	436.5	360.8	287.4	211.2	143.3	81.8	50.1	29.0
45°	783.3	693.0	598.9	504.1	410.4	333.3	254.0	174.0	109.0	62.5	32.1
42.5°	863.0	768.5	670.6	569.5	468.7	377.3	295.2	210.2	135.5	74.4	39.4
40°	956.6	840.6	739.2	633.7	526.8	419.8	333.8	245.9	160.9	89.4	49.3
37.5°	1048.3	919.3	803.7	695.1	582.6	470.7	370.6	280.0	186.8	110.7	58.8
35°	1139.7	1001.2	865.3	752.7	636.6	519.2	405.4	312.0	215.7	131.0	67.7
32.5°	1227.0	1080.2	936.3	806.8	687.6	565.0	443.7	341.7	243.0	150.0	76.1
30°	1299.2	1157.0	1004.5	857.6	735.2	608.8	482.8	369.6	268.5	167.9	85.8
27.5°	1363.7	1229.0	1068.9	913.4	778.9	649.8	519.2	395.5	292.3	186.1	100.2
25°	1421.1	1287.8	1130.8	968.0	819.3	687.6	552.8	419.8	313.8	205.4	113.5
22.5°	1467.0	1339.1	1187.6	1018.0	856.3	722.2	583.9	447.4	333.3	223.1	125.6
20°	1508.9	1385.6	1239.2	1063.7	894.4	752.7	612.3	472.4	350.9	239.0	136.5
17.5°	1577.6	1423.9	1278.9	1106.0	931.4	779.9	637.5	494.7	366.6	253.1	146.2
15°	1779.4	1454.3	1312.5	1143.0	963.8	803.7	659.6	514.1	380.2	265.4	154.7
12.5°	1952.4	1480.3	1341.2	1174.6	991.4	823.9	678.4	530.6	391.9	275.9	161.8
10°	2095.3	1501.7	1364.9	1200.6	1014.1	840.6	693.8	544.2	401.4	284.5	167.7
7.5°	2207.5	1518.5	1383.5	1221.0	1031.9	853.7	705.9	554.8	408.9	291.2	172.4
5°	2288.2	1530.6	1396.8	1235.7	1044.7	863.0	714.6	562.4	414.2	296.0	175.7
2.5°	2336.8	1537.9	1404.8	1244.5	1052.3	868.6	719.8	567.0	417.4	298.9	177.6
0°	2353.0	1540.3	1407.5	1247.4	1054.9	870.5	721.5	568.5	418.5	299.9	178.3
-2.5°	2336.8	1537.9	1404.8	1244.5	1052.3	868.6	719.8	567.0	417.4	298.9	177.6
-5°	2288.2	1530.6	1396.8	1235.7	1044.7	863.0	714.6	562.4	414.2	296.0	175.7
-7.5°	2207.5	1518.5	1383.5	1221.0	1031.9	853.7	705.9	554.8	408.9	291.2	172.4
-10°	2095.3	1501.7	1364.9	1200.6	1014.1	840.6	693.8	544.2	401.4	284.5	167.7
-12.5°	1952.4	1480.3	1341.2	1174.6	991.4	823.9	678.4	530.6	391.9	275.9	161.8
-15°	1779.4	1454.3	1312.5	1143.0	963.8	803.7	659.6	514.1	380.2	265.4	154.7
-17.5°	1577.6	1423.9	1278.9	1106.0	931.4	779.9	637.5	494.7	366.6	253.1	146.2
-20°	1508.9	1385.6	1239.2	1063.7	894.4	752.7	612.3	472.4	350.9	239.0	136.5



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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°	1467.0	1339.1	1187.6	1018.0	856.3	722.2	583.9	447.4	333.3	223.1	125.6
-25°	1421.1	1287.8	1130.8	968.0	819.3	687.6	552.8	419.8	313.8	205.4	113.5
-27.5°	1363.7	1229.0	1068.9	913.4	778.9	649.8	519.2	395.5	292.3	186.1	100.2
-30°	1299.2	1157.0	1004.5	857.6	735.2	608.8	482.8	369.6	268.5	167.9	85.8
-32.5°	1227.0	1080.2	936.3	806.8	687.6	565.0	443.7	341.7	243.0	150.0	76.1
-35°	1139.7	1001.2	865.3	752.7	636.6	519.2	405.4	312.0	215.7	131.0	67.7
-37.5°	1048.3	919.3	803.7	695.1	582.6	470.7	370.6	280.0	186.8	110.7	58.8
-40°	956.6	840.6	739.2	633.7	526.8	419.8	333.8	245.9	160.9	89.4	49.3
-42.5°	863.0	768.5	670.6	569.5	468.7	377.3	295.2	210.2	135.5	74.4	39.4
-45°	783.3	693.0	598.9	504.1	410.4	333.3	254.0	174.0	109.0	62.5	32.1
-47.5°	700.5	613.7	525.6	436.5	360.8	287.4	211.2	143.3	81.8	50.1	29.0
-50°	613.7	532.8	450.6	377.5	309.6	239.0	169.3	111.4	67.3	37.3	25.8
-52.5°	525.6	450.6	383.0	320.6	255.7	189.0	133.1	80.3	52.3	30.7	22.4
-55°	436.5	377.5	320.6	261.4	200.2	146.2	95.9	63.2	36.9	26.7	19.1
-57.5°	360.8	309.6	255.7	200.2	150.6	104.6	69.7	45.6	29.8	22.6	17.3
-60°	287.4	239.0	189.0	146.2	104.6	71.9	49.9	31.7	25.1	18.9	15.5
-62.5°	211.2	169.3	133.1	95.9	69.7	49.9	32.3	26.4	20.3	16.7	13.6
-65°	143.3	111.4	80.3	63.2	45.6	31.7	26.4	20.9	17.3	14.5	11.8
-67.5°	81.8	67.3	52.3	36.9	29.8	25.1	20.3	17.3	14.8	12.3	10.4
-70°	50.1	37.3	30.7	26.7	22.6	18.9	16.7	14.5	12.3	10.6	8.9
-72.5°	29.0	25.8	22.4	19.1	17.3	15.5	13.6	11.8	10.4	8.9	7.5
-75°	19.7	18.1	16.6	15.1	13.6	12.1	10.9	9.7	8.5	7.3	6.5
-77.5°	14.8	13.6	12.4	11.4	10.5	9.6	8.6	7.6	6.8	6.2	5.6
-80°	10.6	10.0	9.3	8.6	7.8	7.1	6.6	6.2	5.7	5.2	4.7
-82.5°	7.2	6.9	6.6	6.3	5.9	5.6	5.2	4.9	4.5	4.2	3.7
-85°	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.5	3.1	2.8	2.5
-87.5°	2.8	2.6	2.5	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.2
-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°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
85°	2.1	1.8	1.4	1.1	0.7	0.4	0.0
82.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
80°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
77.5°	5.0	4.3	3.5	2.7	1.8	0.9	0.0
75°	5.7	5.0	4.2	3.2	2.1	1.1	0.0
72.5°	6.5	5.6	4.7	3.7	2.5	1.2	0.0
70°	7.3	6.2	5.2	4.2	2.8	1.4	0.0
67.5°	8.5	6.8	5.7	4.5	3.1	1.6	0.0
65°	9.7	7.6	6.2	4.9	3.5	1.7	0.0
62.5°	10.9	8.6	6.6	5.2	3.8	1.9	0.0
60°	12.1	9.6	7.1	5.6	4.1	2.0	0.0
57.5°	13.6	10.5	7.8	5.9	4.3	2.2	0.0
55°	15.1	11.4	8.6	6.3	4.5	2.4	0.0
52.5°	16.6	12.4	9.3	6.6	4.7	2.5	0.0
50°	18.1	13.6	10.0	6.9	5.0	2.6	0.0
47.5°	19.7	14.8	10.6	7.2	5.2	2.8	0.0
45°	22.4	15.9	11.3	7.7	5.3	2.9	0.0
42.5°	24.9	17.0	11.9	8.2	5.5	3.0	0.0
40°	27.4	18.0	12.6	8.6	5.7	3.1	0.0
37.5°	29.7	19.0	13.4	9.0	5.9	3.3	0.0
35°	31.9	20.5	14.1	9.4	6.0	3.4	0.0
32.5°	35.5	22.2	14.8	9.8	6.2	3.5	0.0
30°	42.2	23.8	15.5	10.1	6.3	3.6	0.0
27.5°	48.4	25.3	16.1	10.5	6.4	3.6	0.0
25°	54.2	26.7	16.6	10.8	6.5	3.7	0.0
22.5°	59.4	28.0	17.1	11.0	6.6	3.8	0.0
20°	64.1	29.1	17.6	11.3	6.7	3.9	0.0
17.5°	68.3	30.1	18.0	11.5	6.8	3.9	0.0
15°	71.9	31.0	18.3	11.7	6.9	4.0	0.0
12.5°	75.0	31.7	18.6	11.8	7.0	4.0	0.0
10°	77.6	32.3	18.9	12.0	7.0	4.0	0.0
7.5°	79.5	32.8	19.1	12.1	7.0	4.1	0.0
5°	81.0	33.1	19.2	12.1	7.1	4.1	0.0
2.5°	81.8	33.3	19.3	12.2	7.1	4.1	0.0
0°	82.1	33.4	19.3	12.2	7.1	4.1	0.0
-2.5°	81.8	33.3	19.3	12.2	7.1	4.1	0.0
-5°	81.0	33.1	19.2	12.1	7.1	4.1	0.0
-7.5°	79.5	32.8	19.1	12.1	7.0	4.1	0.0
-10°	77.6	32.3	18.9	12.0	7.0	4.0	0.0
-12.5°	75.0	31.7	18.6	11.8	7.0	4.0	0.0
-15°	71.9	31.0	18.3	11.7	6.9	4.0	0.0
-17.5°	68.3	30.1	18.0	11.5	6.8	3.9	0.0
-20°	64.1	29.1	17.6	11.3	6.7	3.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	59.4	28.0	17.1	11.0	6.6	3.8	0.0
-25°	54.2	26.7	16.6	10.8	6.5	3.7	0.0
-27.5°	48.4	25.3	16.1	10.5	6.4	3.6	0.0
-30°	42.2	23.8	15.5	10.1	6.3	3.6	0.0
-32.5°	35.5	22.2	14.8	9.8	6.2	3.5	0.0
-35°	31.9	20.5	14.1	9.4	6.0	3.4	0.0
-37.5°	29.7	19.0	13.4	9.0	5.9	3.3	0.0
-40°	27.4	18.0	12.6	8.6	5.7	3.1	0.0
-42.5°	24.9	17.0	11.9	8.2	5.5	3.0	0.0
-45°	22.4	15.9	11.3	7.7	5.3	2.9	0.0
-47.5°	19.7	14.8	10.6	7.2	5.2	2.8	0.0
-50°	18.1	13.6	10.0	6.9	5.0	2.6	0.0
-52.5°	16.6	12.4	9.3	6.6	4.7	2.5	0.0
-55°	15.1	11.4	8.6	6.3	4.5	2.4	0.0
-57.5°	13.6	10.5	7.8	5.9	4.3	2.2	0.0
-60°	12.1	9.6	7.1	5.6	4.1	2.0	0.0
-62.5°	10.9	8.6	6.6	5.2	3.8	1.9	0.0
-65°	9.7	7.6	6.2	4.9	3.5	1.7	0.0
-67.5°	8.5	6.8	5.7	4.5	3.1	1.6	0.0
-70°	7.3	6.2	5.2	4.2	2.8	1.4	0.0
-72.5°	6.5	5.6	4.7	3.7	2.5	1.2	0.0
-75°	5.7	5.0	4.2	3.2	2.1	1.1	0.0
-77.5°	5.0	4.3	3.5	2.7	1.8	0.9	0.0
-80°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-82.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
-85°	2.1	1.8	1.4	1.1	0.7	0.4	0.0
-87.5°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)