

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: P1305917 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-70-1S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

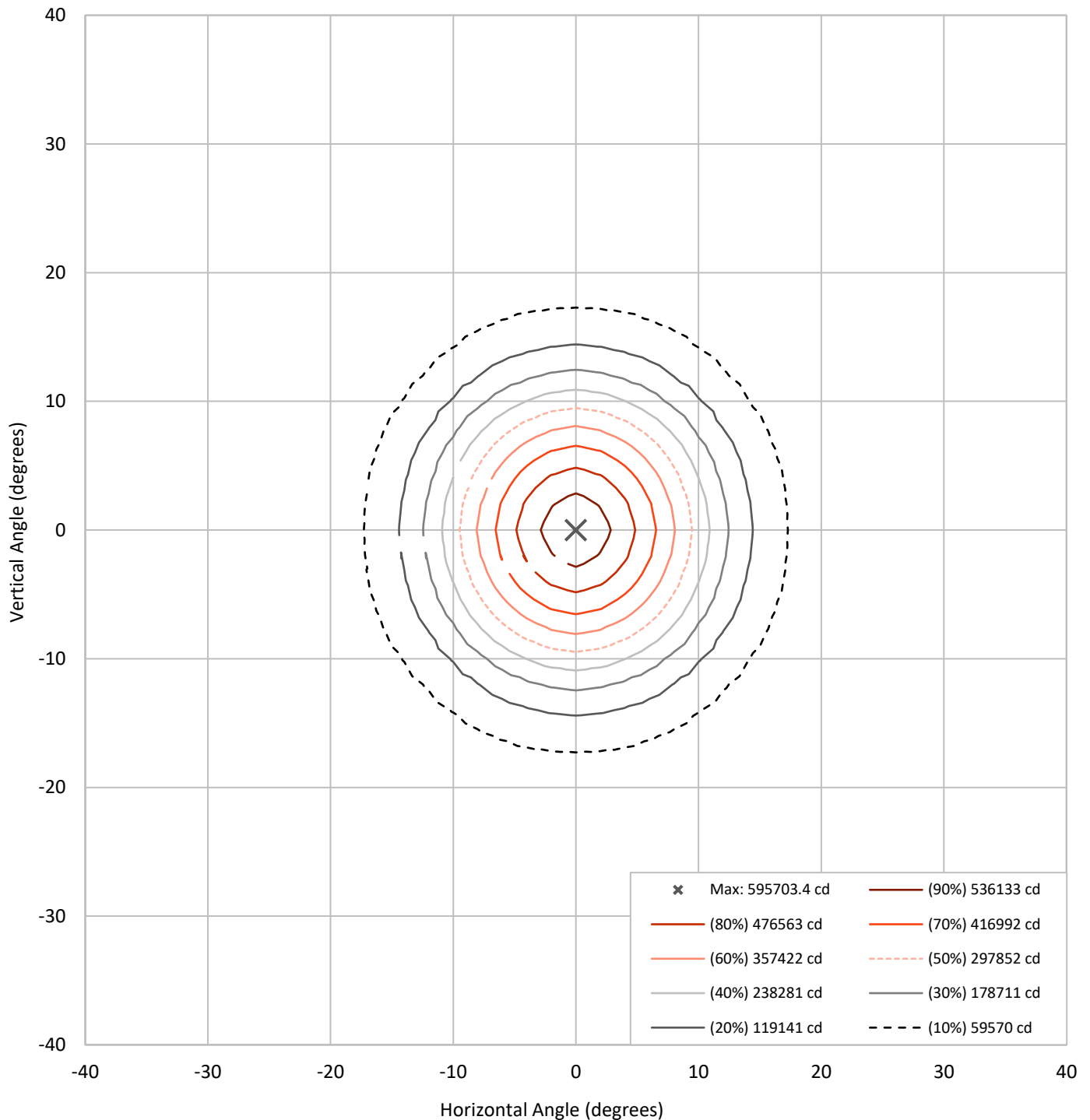
Test Method: LM-79-08  
Report Number: P1305917 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-530N-40-70-1S-HEG-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	80697.3 lumens	Max Intensity:	595703.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	142.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	34781.6 lumens	Field Lumens:	64075.2 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%
Input Watts (W):	566		
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





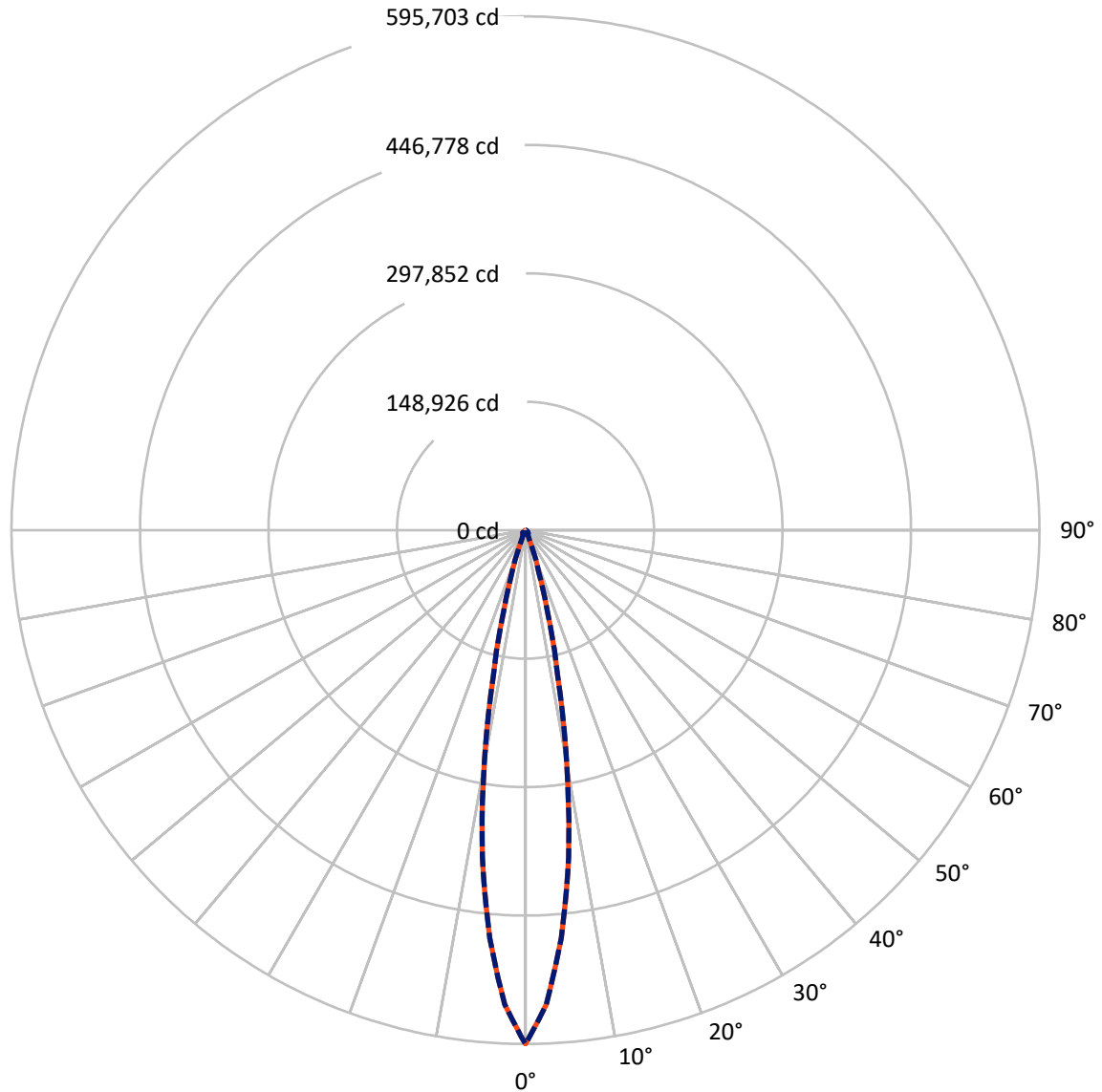
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### Lumen Table

90	0.1	0.8		2.8		7.0		9.2		7.0		2.8		0.8		0.1			
80	0.1	0.8		2.8		7.0		9.2		7.0		2.8		0.8		0.1			
70	0.4	0.4	1.7	5.0	10.2	15.7	20.4	22.9	22.9	20.4	15.7	10.2	5.0	1.7	0.4	0.4			
60		1.3	5.9	14.6	25.2	34.0	39.8	42.9	42.9	39.8	34.0	25.2	14.6	5.9	1.3				
50	0.9	3.1	11.9	24.9	36.4	61.6	97.1	116.6	116.6	97.1	61.6	36.4	24.9	11.9	3.1	0.9			
40		5.4	17.8	31.5	74.5	127.4	140.7	141.0	141.0	140.7	127.4	74.5	31.5	17.8	5.4				
30	2.0	7.6	21.7	48.6	115.3	127.7	140.2	243.2	243.2	140.2	127.7	115.3	48.6	21.7	7.6	2.0			
20		9.2	23.8	72.1	119.3	131.8	770.6	2877.6	2877.6	770.6	131.8	119.3	72.1	23.8	9.2				
10	2.6	10.0	24.8	83.7	115.7	223.7	2807.8	11050.0	11050.0	2807.8	223.7	115.7	83.7	24.8	10.0	2.6			
0		10.0	24.8	83.7	115.7	223.7	2807.8	11050.0	11050.0	2807.8	223.7	115.7	83.7	24.8	10.0				
-10	2.0	9.2	23.8	72.1	119.3	131.8	770.6	2877.6	2877.6	770.6	131.8	119.3	72.1	23.8	9.2	2.0			
-20		7.6	21.7	48.6	115.3	127.7	140.2	243.2	243.2	140.2	127.7	115.3	48.6	21.7	7.6				
-30	0.9	5.4	17.8	31.5	74.5	127.4	140.7	141.0	141.0	140.7	127.4	74.5	31.5	17.8	5.4	0.9			
-40		3.1	11.9	24.9	36.4	61.6	97.1	116.6	116.6	97.1	61.6	36.4	24.9	11.9	3.1				
-50	0.4	1.3	5.9	14.6	25.2	34.0	39.8	42.9	42.9	39.8	34.0	25.2	14.6	5.9	1.3	0.4			
-60		0.4	1.7	5.0	10.2	15.7	20.4	22.9	22.9	20.4	15.7	10.2	5.0	1.7	0.4				
-70	0.1	0.8		2.8		7.0		9.2		7.0		2.8		0.8		0.1			
-80		0.8		2.8		7.0		9.2		7.0		2.8		0.8					
-90	0.1	0.8		2.8		7.0		9.2		7.0		2.8		0.8		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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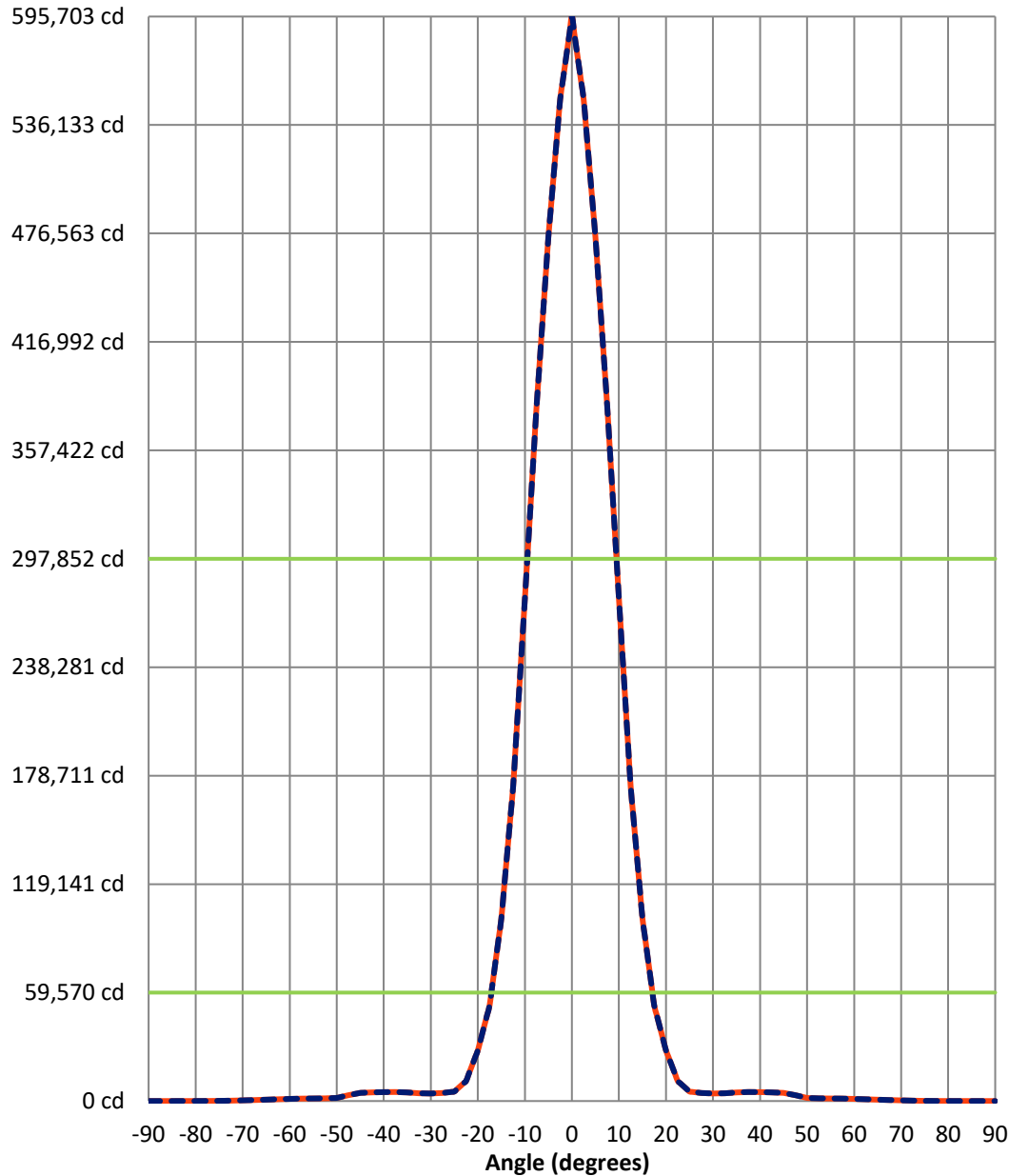
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 19°  
 V Angle: 19°  
 Lumens: 34781.6  
 Efficiency: 43.1%

**Field:**  
 H Angle: 34.3°  
 V Angle: 34.3°  
 Lumens: 64075.2  
 Efficiency: 79.4%

**Spill:**  
 Lumens: 16622.1  
 Efficiency: 20.6%

— 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	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.3	6.8
80°	0.0	1.0	2.0	3.0	3.9	4.9	5.8	6.5	7.3	8.0	8.6
77.5°	0.0	1.2	2.5	3.7	4.9	6.0	6.9	7.8	8.7	9.6	10.8
75°	0.0	1.5	2.9	4.4	5.8	6.9	8.0	9.1	10.3	12.3	14.4
72.5°	0.0	1.7	3.4	5.1	6.5	7.8	9.1	10.6	13.1	15.5	17.8
70°	0.0	1.9	3.9	5.8	7.3	8.7	10.3	13.1	15.8	18.6	21.7
67.5°	0.0	2.2	4.4	6.3	8.0	9.6	12.3	15.5	18.6	22.2	25.7
65°	0.0	2.4	4.8	6.8	8.6	10.8	14.4	17.8	21.7	25.7	30.5
62.5°	0.0	2.6	5.3	7.3	9.3	12.5	16.3	20.4	24.8	29.7	37.1
60°	0.0	2.8	5.7	7.8	10.0	14.1	18.3	23.1	27.9	35.6	43.5
57.5°	0.0	3.1	6.0	8.3	11.2	15.7	20.5	25.7	32.5	41.3	59.9
55°	0.0	3.3	6.3	8.8	12.4	17.2	22.6	28.2	37.5	49.7	80.5
52.5°	0.0	3.5	6.6	9.2	13.6	18.8	24.8	32.2	42.3	67.8	100.6
50°	0.0	3.7	6.9	9.7	14.8	20.5	26.8	36.3	50.2	85.3	138.4
47.5°	0.0	3.9	7.2	10.2	15.9	22.1	29.0	40.3	65.2	102.3	177.1
45°	0.0	4.0	7.5	11.0	17.0	23.7	32.2	44.1	79.8	135.5	214.4
42.5°	0.0	4.2	7.7	11.8	18.0	25.2	35.3	52.7	93.7	167.7	261.2
40°	0.0	4.4	8.0	12.5	19.1	26.7	38.3	64.3	111.5	198.5	307.7
37.5°	0.0	4.5	8.2	13.2	20.2	28.0	41.1	75.3	137.5	230.7	352.0
35°	0.0	4.7	8.4	13.9	21.2	30.0	43.8	85.8	162.1	268.4	395.7
32.5°	0.0	4.8	8.7	14.5	22.2	32.0	48.1	95.7	185.3	303.9	439.4
30°	0.0	4.9	8.8	15.1	23.1	34.0	55.9	107.1	207.0	337.1	480.3
27.5°	0.0	5.1	9.0	15.6	23.9	35.8	63.2	124.7	229.9	368.1	518.4
25°	0.0	5.2	9.2	16.1	24.7	37.5	70.0	140.8	255.0	398.4	553.9
22.5°	0.0	5.3	9.3	16.5	25.4	39.0	76.1	155.6	278.0	427.1	592.6
20°	0.0	5.4	9.5	17.0	26.1	40.4	81.6	168.9	298.7	452.9	627.5
17.5°	0.0	5.4	9.6	17.3	26.6	41.6	86.5	180.7	317.1	475.9	658.6
15°	0.0	5.5	9.7	17.6	27.1	42.6	90.8	190.9	333.1	495.9	685.7
12.5°	0.0	5.6	9.8	17.9	27.5	43.5	94.4	199.7	346.7	513.0	708.8
10°	0.0	5.6	9.9	18.1	27.9	44.3	97.4	206.9	358.0	527.0	727.8
7.5°	0.0	5.7	9.9	18.3	28.2	44.9	99.7	212.5	366.7	538.0	742.6
5°	0.0	5.7	10.0	18.4	28.3	45.3	101.4	216.5	373.0	545.8	753.3
2.5°	0.0	5.7	10.0	18.5	28.5	45.5	102.4	218.9	376.7	550.5	759.7
0°	0.0	5.7	10.0	18.5	28.5	45.5	102.4	218.9	376.7	550.5	759.7
-2.5°	0.0	5.7	10.0	18.5	28.5	45.5	102.4	218.9	376.7	550.5	759.7
-5°	0.0	5.7	10.0	18.4	28.3	45.3	101.4	216.5	373.0	545.8	753.3
-7.5°	0.0	5.7	9.9	18.3	28.2	44.9	99.7	212.5	366.7	538.0	742.6
-10°	0.0	5.6	9.9	18.1	27.9	44.3	97.4	206.9	358.0	527.0	727.8
-12.5°	0.0	5.6	9.8	17.9	27.5	43.5	94.4	199.7	346.7	513.0	708.8
-15°	0.0	5.5	9.7	17.6	27.1	42.6	90.8	190.9	333.1	495.9	685.7
-17.5°	0.0	5.4	9.6	17.3	26.6	41.6	86.5	180.7	317.1	475.9	658.6
-20°	0.0	5.4	9.5	17.0	26.1	40.4	81.6	168.9	298.7	452.9	627.5



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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	5.3	9.3	16.5	25.4	39.0	76.1	155.6	278.0	427.1	592.6
-25°	0.0	5.2	9.2	16.1	24.7	37.5	70.0	140.8	255.0	398.4	553.9
-27.5°	0.0	5.1	9.0	15.6	23.9	35.8	63.2	124.7	229.9	368.1	518.4
-30°	0.0	4.9	8.8	15.1	23.1	34.0	55.9	107.1	207.0	337.1	480.3
-32.5°	0.0	4.8	8.7	14.5	22.2	32.0	48.1	95.7	185.3	303.9	439.4
-35°	0.0	4.7	8.4	13.9	21.2	30.0	43.8	85.8	162.1	268.4	395.7
-37.5°	0.0	4.5	8.2	13.2	20.2	28.0	41.1	75.3	137.5	230.7	352.0
-40°	0.0	4.4	8.0	12.5	19.1	26.7	38.3	64.3	111.5	198.5	307.7
-42.5°	0.0	4.2	7.7	11.8	18.0	25.2	35.3	52.7	93.7	167.7	261.2
-45°	0.0	4.0	7.5	11.0	17.0	23.7	32.2	44.1	79.8	135.5	214.4
-47.5°	0.0	3.9	7.2	10.2	15.9	22.1	29.0	40.3	65.2	102.3	177.1
-50°	0.0	3.7	6.9	9.7	14.8	20.5	26.8	36.3	50.2	85.3	138.4
-52.5°	0.0	3.5	6.6	9.2	13.6	18.8	24.8	32.2	42.3	67.8	100.6
-55°	0.0	3.3	6.3	8.8	12.4	17.2	22.6	28.2	37.5	49.7	80.5
-57.5°	0.0	3.1	6.0	8.3	11.2	15.7	20.5	25.7	32.5	41.3	59.9
-60°	0.0	2.8	5.7	7.8	10.0	14.1	18.3	23.1	27.9	35.6	43.5
-62.5°	0.0	2.6	5.3	7.3	9.3	12.5	16.3	20.4	24.8	29.7	37.1
-65°	0.0	2.4	4.8	6.8	8.6	10.8	14.4	17.8	21.7	25.7	30.5
-67.5°	0.0	2.2	4.4	6.3	8.0	9.6	12.3	15.5	18.6	22.2	25.7
-70°	0.0	1.9	3.9	5.8	7.3	8.7	10.3	13.1	15.8	18.6	21.7
-72.5°	0.0	1.7	3.4	5.1	6.5	7.8	9.1	10.6	13.1	15.5	17.8
-75°	0.0	1.5	2.9	4.4	5.8	6.9	8.0	9.1	10.3	12.3	14.4
-77.5°	0.0	1.2	2.5	3.7	4.9	6.0	6.9	7.8	8.7	9.6	10.8
-80°	0.0	1.0	2.0	3.0	3.9	4.9	5.8	6.5	7.3	8.0	8.6
-82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.3	6.8
-85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-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°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
85°	5.3	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	8.0	8.2
82.5°	7.3	7.8	8.3	8.8	9.2	9.7	10.2	11.0	11.8	12.5	13.2
80°	9.3	10.0	11.2	12.4	13.6	14.8	15.9	17.0	18.0	19.1	20.2
77.5°	12.5	14.1	15.7	17.2	18.8	20.5	22.1	23.7	25.2	26.7	28.0
75°	16.3	18.3	20.5	22.6	24.8	26.8	29.0	32.2	35.3	38.3	41.1
72.5°	20.4	23.1	25.7	28.2	32.2	36.3	40.3	44.1	52.7	64.3	75.3
70°	24.8	27.9	32.5	37.5	42.3	50.2	65.2	79.8	93.7	111.5	137.5
67.5°	29.7	35.6	41.3	49.7	67.8	85.3	102.3	135.5	167.7	198.5	230.7
65°	37.1	43.5	59.9	80.5	100.6	138.4	177.1	214.4	261.2	307.7	352.0
62.5°	44.3	65.0	88.2	119.5	164.7	208.7	262.6	318.3	371.9	427.8	481.7
60°	65.0	90.8	130.0	180.7	233.7	298.7	361.7	427.1	491.6	553.9	625.1
57.5°	88.2	130.0	186.0	248.2	320.5	392.2	467.4	540.2	622.3	703.5	781.8
55°	119.5	180.7	248.2	327.8	408.4	491.8	577.2	671.8	763.3	854.1	941.1
52.5°	164.7	233.7	320.5	408.4	500.0	597.0	701.8	804.9	906.5	1002.5	1089.5
50°	208.7	298.7	392.2	491.8	597.0	711.8	825.8	938.2	1042.0	1139.4	1226.1
47.5°	262.6	361.7	467.4	577.2	701.8	825.8	948.8	1062.0	1169.6	1261.6	1348.9
45°	318.3	427.1	540.2	671.8	804.9	938.2	1062.0	1179.7	1279.5	1362.0	1392.3
42.5°	371.9	491.6	622.3	763.3	906.5	1042.0	1169.6	1279.5	1365.0	1398.3	1436.9
40°	427.8	553.9	703.5	854.1	1002.5	1139.4	1261.6	1362.0	1398.3	1441.0	1487.0
37.5°	481.7	625.1	781.8	941.1	1089.5	1226.1	1348.9	1392.3	1436.9	1487.0	1625.1
35°	532.9	692.9	858.2	1020.8	1172.6	1304.1	1380.4	1424.5	1478.6	1612.5	2034.2
32.5°	587.3	756.9	930.6	1093.7	1242.3	1362.7	1406.3	1461.9	1574.8	1862.6	2914.2
30°	641.9	818.9	997.2	1162.3	1307.2	1385.5	1437.2	1512.9	1685.9	2651.6	3672.0
27.5°	692.9	876.9	1056.1	1220.5	1359.4	1406.8	1468.3	1610.5	2220.0	3369.8	4346.9
25°	739.9	930.6	1110.6	1272.5	1377.7	1431.7	1512.3	1701.7	2872.2	3962.4	4589.7
22.5°	783.7	979.6	1160.6	1320.1	1394.6	1456.4	1590.4	2188.6	3436.0	4491.8	4713.0
20°	823.8	1020.8	1202.5	1357.8	1409.9	1478.8	1661.4	2699.8	3903.4	4597.0	4796.6
17.5°	859.6	1057.5	1237.7	1370.4	1427.4	1517.2	1783.6	3159.0	4324.0	4691.8	4858.3
15°	890.9	1089.5	1268.5	1381.3	1443.6	1568.7	2156.3	3510.0	4530.0	4766.2	4912.0
12.5°	917.5	1116.9	1294.7	1390.7	1457.4	1612.8	2475.6	3803.9	4596.6	4809.7	4926.8
10°	939.4	1139.4	1316.4	1398.4	1468.8	1649.2	2739.6	4047.2	4651.8	4845.9	4939.0
7.5°	956.5	1157.0	1333.3	1404.5	1477.7	1677.7	2946.7	4238.2	4695.2	4874.4	4948.7
5°	968.8	1169.6	1345.5	1408.8	1484.2	1698.2	3095.7	4375.8	4726.5	4894.9	4955.7
2.5°	976.1	1177.2	1352.8	1411.4	1488.0	1710.6	3185.4	4458.7	4745.4	4907.3	4960.0
0°	978.6	1179.7	1355.2	1412.3	1489.3	1714.7	3215.4	4486.4	4751.7	4911.5	4961.4
-2.5°	976.1	1177.2	1352.8	1411.4	1488.0	1710.6	3185.4	4458.7	4745.4	4907.3	4960.0
-5°	968.8	1169.6	1345.5	1408.8	1484.2	1698.2	3095.7	4375.8	4726.5	4894.9	4955.7
-7.5°	956.5	1157.0	1333.3	1404.5	1477.7	1677.7	2946.7	4238.2	4695.2	4874.4	4948.7
-10°	939.4	1139.4	1316.4	1398.4	1468.8	1649.2	2739.6	4047.2	4651.8	4845.9	4939.0
-12.5°	917.5	1116.9	1294.7	1390.7	1457.4	1612.8	2475.6	3803.9	4596.6	4809.7	4926.8
-15°	890.9	1089.5	1268.5	1381.3	1443.6	1568.7	2156.3	3510.0	4530.0	4766.2	4912.0
-17.5°	859.6	1057.5	1237.7	1370.4	1427.4	1517.2	1783.6	3159.0	4324.0	4691.8	4858.3
-20°	823.8	1020.8	1202.5	1357.8	1409.9	1478.8	1661.4	2699.8	3903.4	4597.0	4796.6



REPORT NUMBER: P1305917 (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°	783.7	979.6	1160.6	1320.1	1394.6	1456.4	1590.4	2188.6	3436.0	4491.8	4713.0
-25°	739.9	930.6	1110.6	1272.5	1377.7	1431.7	1512.3	1701.7	2872.2	3962.4	4589.7
-27.5°	692.9	876.9	1056.1	1220.5	1359.4	1406.8	1468.3	1610.5	2220.0	3369.8	4346.9
-30°	641.9	818.9	997.2	1162.3	1307.2	1385.5	1437.2	1512.9	1685.9	2651.6	3672.0
-32.5°	587.3	756.9	930.6	1093.7	1242.3	1362.7	1406.3	1461.9	1574.8	1862.6	2914.2
-35°	532.9	692.9	858.2	1020.8	1172.6	1304.1	1380.4	1424.5	1478.6	1612.5	2034.2
-37.5°	481.7	625.1	781.8	941.1	1089.5	1226.1	1348.9	1392.3	1436.9	1487.0	1625.1
-40°	427.8	553.9	703.5	854.1	1002.5	1139.4	1261.6	1362.0	1398.3	1441.0	1487.0
-42.5°	371.9	491.6	622.3	763.3	906.5	1042.0	1169.6	1279.5	1365.0	1398.3	1436.9
-45°	318.3	427.1	540.2	671.8	804.9	938.2	1062.0	1179.7	1279.5	1362.0	1392.3
-47.5°	262.6	361.7	467.4	577.2	701.8	825.8	948.8	1062.0	1169.6	1261.6	1348.9
-50°	208.7	298.7	392.2	491.8	597.0	711.8	825.8	938.2	1042.0	1139.4	1226.1
-52.5°	164.7	233.7	320.5	408.4	500.0	597.0	701.8	804.9	906.5	1002.5	1089.5
-55°	119.5	180.7	248.2	327.8	408.4	491.8	577.2	671.8	763.3	854.1	941.1
-57.5°	88.2	130.0	186.0	248.2	320.5	392.2	467.4	540.2	622.3	703.5	781.8
-60°	65.0	90.8	130.0	180.7	233.7	298.7	361.7	427.1	491.6	553.9	625.1
-62.5°	44.3	65.0	88.2	119.5	164.7	208.7	262.6	318.3	371.9	427.8	481.7
-65°	37.1	43.5	59.9	80.5	100.6	138.4	177.1	214.4	261.2	307.7	352.0
-67.5°	29.7	35.6	41.3	49.7	67.8	85.3	102.3	135.5	167.7	198.5	230.7
-70°	24.8	27.9	32.5	37.5	42.3	50.2	65.2	79.8	93.7	111.5	137.5
-72.5°	20.4	23.1	25.7	28.2	32.2	36.3	40.3	44.1	52.7	64.3	75.3
-75°	16.3	18.3	20.5	22.6	24.8	26.8	29.0	32.2	35.3	38.3	41.1
-77.5°	12.5	14.1	15.7	17.2	18.8	20.5	22.1	23.7	25.2	26.7	28.0
-80°	9.3	10.0	11.2	12.4	13.6	14.8	15.9	17.0	18.0	19.1	20.2
-82.5°	7.3	7.8	8.3	8.8	9.2	9.7	10.2	11.0	11.8	12.5	13.2
-85°	5.3	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.7	8.0	8.2
-87.5°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
85°	8.4	8.7	8.8	9.0	9.2	9.3	9.5	9.6	9.7	9.8	9.9
82.5°	13.9	14.5	15.1	15.6	16.1	16.5	17.0	17.3	17.6	17.9	18.1
80°	21.2	22.2	23.1	23.9	24.7	25.4	26.1	26.6	27.1	27.5	27.9
77.5°	30.0	32.0	34.0	35.8	37.5	39.0	40.4	41.6	42.6	43.5	44.3
75°	43.8	48.1	55.9	63.2	70.0	76.1	81.6	86.5	90.8	94.4	97.4
72.5°	85.8	95.7	107.1	124.7	140.8	155.6	168.9	180.7	190.9	199.7	206.9
70°	162.1	185.3	207.0	229.9	255.0	278.0	298.7	317.1	333.1	346.7	358.0
67.5°	268.4	303.9	337.1	368.1	398.4	427.1	452.9	475.9	495.9	513.0	527.0
65°	395.7	439.4	480.3	518.4	553.9	592.6	627.5	658.6	685.7	708.8	727.8
62.5°	532.9	587.3	641.9	692.9	739.9	783.7	823.8	859.6	890.9	917.5	939.4
60°	692.9	756.9	818.9	876.9	930.6	979.6	1020.8	1057.5	1089.5	1116.9	1139.4
57.5°	858.2	930.6	997.2	1056.1	1110.6	1160.6	1202.5	1237.7	1268.5	1294.7	1316.4
55°	1020.8	1093.7	1162.3	1220.5	1272.5	1320.1	1357.8	1370.4	1381.3	1390.7	1398.4
52.5°	1172.6	1242.3	1307.2	1359.4	1377.7	1394.6	1409.9	1427.4	1443.6	1457.4	1468.8
50°	1304.1	1362.7	1385.5	1406.8	1431.7	1456.4	1478.8	1517.2	1568.7	1612.8	1649.2
47.5°	1380.4	1406.3	1437.2	1468.3	1512.3	1590.4	1661.4	1783.6	2156.3	2475.6	2739.6
45°	1424.5	1461.9	1512.9	1610.5	1701.7	2188.6	2699.8	3159.0	3510.0	3803.9	4047.2
42.5°	1478.6	1574.8	1685.9	2220.0	2872.2	3436.0	3903.4	4324.0	4530.0	4596.6	4651.8
40°	1612.5	1862.6	2651.6	3369.8	3962.4	4491.8	4597.0	4691.8	4766.2	4809.7	4845.9
37.5°	2034.2	2914.2	3672.0	4346.9	4589.7	4713.0	4796.6	4858.3	4912.0	4926.8	4939.0
35°	3002.3	3824.8	4506.2	4656.4	4779.6	4859.3	4918.1	4938.9	4957.4	4904.5	4841.4
32.5°	3824.8	4522.6	4690.1	4810.9	4902.0	4935.2	4959.9	4862.7	4768.2	4648.7	4515.9
30°	4506.2	4690.1	4821.4	4915.3	4945.6	4901.2	4776.1	4601.9	4404.1	4262.0	4225.0
27.5°	4656.4	4810.9	4915.3	4949.2	4866.8	4719.9	4460.8	4259.7	4205.1	4157.1	4255.4
25°	4779.6	4902.0	4945.6	4866.8	4685.3	4388.9	4231.2	4165.7	4280.6	4408.8	4648.4
22.5°	4859.3	4935.2	4901.2	4719.9	4388.9	4221.6	4184.7	4357.7	4643.1	5017.6	6318.5
20°	4918.1	4959.9	4776.1	4460.8	4231.2	4184.7	4383.8	4789.7	5624.9	8803.7	12565.1
17.5°	4938.9	4862.7	4601.9	4259.7	4165.7	4357.7	4789.7	6232.5	10092.1	18459.3	27286.3
15°	4957.4	4768.2	4404.1	4205.1	4280.6	4643.1	5624.9	10092.1	20481.0	33405.4	47917.6
12.5°	4904.5	4648.7	4262.0	4157.1	4408.8	5017.6	8803.7	18459.3	33405.4	51442.3	81993.6
10°	4841.4	4515.9	4225.0	4255.4	4648.4	6318.5	12565.1	27286.3	47917.6	81993.6	123472.6
7.5°	4791.4	4410.6	4195.6	4334.6	4881.8	8322.2	19033.9	37752.7	67189.3	112060.3	173374.6
5°	4755.3	4334.2	4174.2	4392.3	5052.8	9799.5	23839.8	45795.2	85143.7	142409.0	224193.3
2.5°	4733.4	4287.9	4161.3	4427.5	5157.3	10705.7	26805.4	50798.7	96448.3	164290.2	262212.4
0°	4726.1	4272.4	4156.9	4439.3	5192.5	11011.3	27808.5	52498.7	100315.5	172592.9	275792.8
-2.5°	4733.4	4287.9	4161.3	4427.5	5157.3	10705.7	26805.4	50798.7	96448.3	164290.2	262212.4
-5°	4755.3	4334.2	4174.2	4392.3	5052.8	9799.5	23839.8	45795.2	85143.7	142409.0	224193.3
-7.5°	4791.4	4410.6	4195.6	4334.6	4881.8	8322.2	19033.9	37752.7	67189.3	112060.3	173374.6
-10°	4841.4	4515.9	4225.0	4255.4	4648.4	6318.5	12565.1	27286.3	47917.6	81993.6	123472.6
-12.5°	4904.5	4648.7	4262.0	4157.1	4408.8	5017.6	8803.7	18459.3	33405.4	51442.3	81993.6
-15°	4957.4	4768.2	4404.1	4205.1	4280.6	4643.1	5624.9	10092.1	20481.0	33405.4	47917.6
-17.5°	4938.9	4862.7	4601.9	4259.7	4165.7	4357.7	4789.7	6232.5	10092.1	18459.3	27286.3
-20°	4918.1	4959.9	4776.1	4460.8	4231.2	4184.7	4383.8	4789.7	5624.9	8803.7	12565.1



REPORT NUMBER: P1305917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4859.3	4935.2	4901.2	4719.9	4388.9	4221.6	4184.7	4357.7	4643.1	5017.6	6318.5
-25°	4779.6	4902.0	4945.6	4866.8	4685.3	4388.9	4231.2	4165.7	4280.6	4408.8	4648.4
-27.5°	4656.4	4810.9	4915.3	4949.2	4866.8	4719.9	4460.8	4259.7	4205.1	4157.1	4255.4
-30°	4506.2	4690.1	4821.4	4915.3	4945.6	4901.2	4776.1	4601.9	4404.1	4262.0	4225.0
-32.5°	3824.8	4522.6	4690.1	4810.9	4902.0	4935.2	4959.9	4862.7	4768.2	4648.7	4515.9
-35°	3002.3	3824.8	4506.2	4656.4	4779.6	4859.3	4918.1	4938.9	4957.4	4904.5	4841.4
-37.5°	2034.2	2914.2	3672.0	4346.9	4589.7	4713.0	4796.6	4858.3	4912.0	4926.8	4939.0
-40°	1612.5	1862.6	2651.6	3369.8	3962.4	4491.8	4597.0	4691.8	4766.2	4809.7	4845.9
-42.5°	1478.6	1574.8	1685.9	2220.0	2872.2	3436.0	3903.4	4324.0	4530.0	4596.6	4651.8
-45°	1424.5	1461.9	1512.9	1610.5	1701.7	2188.6	2699.8	3159.0	3510.0	3803.9	4047.2
-47.5°	1380.4	1406.3	1437.2	1468.3	1512.3	1590.4	1661.4	1783.6	2156.3	2475.6	2739.6
-50°	1304.1	1362.7	1385.5	1406.8	1431.7	1456.4	1478.8	1517.2	1568.7	1612.8	1649.2
-52.5°	1172.6	1242.3	1307.2	1359.4	1377.7	1394.6	1409.9	1427.4	1443.6	1457.4	1468.8
-55°	1020.8	1093.7	1162.3	1220.5	1272.5	1320.1	1357.8	1370.4	1381.3	1390.7	1398.4
-57.5°	858.2	930.6	997.2	1056.1	1110.6	1160.6	1202.5	1237.7	1268.5	1294.7	1316.4
-60°	692.9	756.9	818.9	876.9	930.6	979.6	1020.8	1057.5	1089.5	1116.9	1139.4
-62.5°	532.9	587.3	641.9	692.9	739.9	783.7	823.8	859.6	890.9	917.5	939.4
-65°	395.7	439.4	480.3	518.4	553.9	592.6	627.5	658.6	685.7	708.8	727.8
-67.5°	268.4	303.9	337.1	368.1	398.4	427.1	452.9	475.9	495.9	513.0	527.0
-70°	162.1	185.3	207.0	229.9	255.0	278.0	298.7	317.1	333.1	346.7	358.0
-72.5°	85.8	95.7	107.1	124.7	140.8	155.6	168.9	180.7	190.9	199.7	206.9
-75°	43.8	48.1	55.9	63.2	70.0	76.1	81.6	86.5	90.8	94.4	97.4
-77.5°	30.0	32.0	34.0	35.8	37.5	39.0	40.4	41.6	42.6	43.5	44.3
-80°	21.2	22.2	23.1	23.9	24.7	25.4	26.1	26.6	27.1	27.5	27.9
-82.5°	13.9	14.5	15.1	15.6	16.1	16.5	17.0	17.3	17.6	17.9	18.1
-85°	8.4	8.7	8.8	9.0	9.2	9.3	9.5	9.6	9.7	9.8	9.9
-87.5°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
-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: P1305917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-70-1S-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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
85°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6
82.5°	18.3	18.4	18.5	18.5	18.5	18.4	18.3	18.1	17.9	17.6	17.3
80°	28.2	28.3	28.5	28.5	28.5	28.3	28.2	27.9	27.5	27.1	26.6
77.5°	44.9	45.3	45.5	45.6	45.5	45.3	44.9	44.3	43.5	42.6	41.6
75°	99.7	101.4	102.4	102.7	102.4	101.4	99.7	97.4	94.4	90.8	86.5
72.5°	212.5	216.5	218.9	219.7	218.9	216.5	212.5	206.9	199.7	190.9	180.7
70°	366.7	373.0	376.7	378.0	376.7	373.0	366.7	358.0	346.7	333.1	317.1
67.5°	538.0	545.8	550.5	552.1	550.5	545.8	538.0	527.0	513.0	495.9	475.9
65°	742.6	753.3	759.7	761.8	759.7	753.3	742.6	727.8	708.8	685.7	658.6
62.5°	956.5	968.8	976.1	978.6	976.1	968.8	956.5	939.4	917.5	890.9	859.6
60°	1157.0	1169.6	1177.2	1179.7	1177.2	1169.6	1157.0	1139.4	1116.9	1089.5	1057.5
57.5°	1333.3	1345.5	1352.8	1355.2	1352.8	1345.5	1333.3	1316.4	1294.7	1268.5	1237.7
55°	1404.5	1408.8	1411.4	1412.3	1411.4	1408.8	1404.5	1398.4	1390.7	1381.3	1370.4
52.5°	1477.7	1484.2	1488.0	1489.3	1488.0	1484.2	1477.7	1468.8	1457.4	1443.6	1427.4
50°	1677.7	1698.2	1710.6	1714.7	1710.6	1698.2	1677.7	1649.2	1612.8	1568.7	1517.2
47.5°	2946.7	3095.7	3185.4	3215.4	3185.4	3095.7	2946.7	2739.6	2475.6	2156.3	1783.6
45°	4238.2	4375.8	4458.7	4486.4	4458.7	4375.8	4238.2	4047.2	3803.9	3510.0	3159.0
42.5°	4695.2	4726.5	4745.4	4751.7	4745.4	4726.5	4695.2	4651.8	4596.6	4530.0	4324.0
40°	4874.4	4894.9	4907.3	4911.5	4907.3	4894.9	4874.4	4845.9	4809.7	4766.2	4691.8
37.5°	4948.7	4955.7	4960.0	4961.4	4960.0	4955.7	4948.7	4939.0	4926.8	4912.0	4858.3
35°	4791.4	4755.3	4733.4	4726.1	4733.4	4755.3	4791.4	4841.4	4904.5	4957.4	4938.9
32.5°	4410.6	4334.2	4287.9	4272.4	4287.9	4334.2	4410.6	4515.9	4648.7	4768.2	4862.7
30°	4195.6	4174.2	4161.3	4156.9	4161.3	4174.2	4195.6	4225.0	4262.0	4404.1	4601.9
27.5°	4334.6	4392.3	4427.5	4439.3	4427.5	4392.3	4334.6	4255.4	4157.1	4205.1	4259.7
25°	4881.8	5052.8	5157.3	5192.5	5157.3	5052.8	4881.8	4648.4	4408.8	4280.6	4165.7
22.5°	8322.2	9799.5	10705.7	11011.3	10705.7	9799.5	8322.2	6318.5	5017.6	4643.1	4357.7
20°	19033.9	23839.8	26805.4	27808.5	26805.4	23839.8	19033.9	12565.1	8803.7	5624.9	4789.7
17.5°	37752.7	45795.2	50798.7	52498.7	50798.7	45795.2	37752.7	27286.3	18459.3	10092.1	6232.5
15°	67189.3	85143.7	96448.3	100315.5	96448.3	85143.7	67189.3	47917.6	33405.4	20481.0	10092.1
12.5°	112060.3	142409.0	164290.2	172592.9	164290.2	142409.0	112060.3	81993.6	51442.3	33405.4	18459.3
10°	173374.6	224193.3	262212.4	275792.8	262212.4	224193.3	173374.6	123472.6	81993.6	47917.6	27286.3
7.5°	249431.8	317734.2	365727.3	382067.6	365727.3	317734.2	249431.8	173374.6	112060.3	67189.3	37752.7
5°	317734.2	399622.6	454394.7	474656.3	454394.7	399622.6	317734.2	224193.3	142409.0	85143.7	45795.2
2.5°	365727.3	454394.7	519386.0	550202.5	519386.0	454394.7	365727.3	262212.4	164290.2	96448.3	50798.7
0°	382067.6	474656.3	550202.5	595703.4	550202.5	474656.3	382067.6	275792.8	172592.9	100315.5	52498.7
-2.5°	365727.3	454394.7	519386.0	550202.5	519386.0	454394.7	365727.3	262212.4	164290.2	96448.3	50798.7
-5°	317734.2	399622.6	454394.7	474656.3	454394.7	399622.6	317734.2	224193.3	142409.0	85143.7	45795.2
-7.5°	249431.8	317734.2	365727.3	382067.6	365727.3	317734.2	249431.8	173374.6	112060.3	67189.3	37752.7
-10°	173374.6	224193.3	262212.4	275792.8	262212.4	224193.3	173374.6	123472.6	81993.6	47917.6	27286.3
-12.5°	112060.3	142409.0	164290.2	172592.9	164290.2	142409.0	112060.3	81993.6	51442.3	33405.4	18459.3
-15°	67189.3	85143.7	96448.3	100315.5	96448.3	85143.7	67189.3	47917.6	33405.4	20481.0	10092.1
-17.5°	37752.7	45795.2	50798.7	52498.7	50798.7	45795.2	37752.7	27286.3	18459.3	10092.1	6232.5
-20°	19033.9	23839.8	26805.4	27808.5	26805.4	23839.8	19033.9	12565.1	8803.7	5624.9	4789.7



REPORT NUMBER: P1305917 (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°	8322.2	9799.5	10705.7	11011.3	10705.7	9799.5	8322.2	6318.5	5017.6	4643.1	4357.7
-25°	4881.8	5052.8	5157.3	5192.5	5157.3	5052.8	4881.8	4648.4	4408.8	4280.6	4165.7
-27.5°	4334.6	4392.3	4427.5	4439.3	4427.5	4392.3	4334.6	4255.4	4157.1	4205.1	4259.7
-30°	4195.6	4174.2	4161.3	4156.9	4161.3	4174.2	4195.6	4225.0	4262.0	4404.1	4601.9
-32.5°	4410.6	4334.2	4287.9	4272.4	4287.9	4334.2	4410.6	4515.9	4648.7	4768.2	4862.7
-35°	4791.4	4755.3	4733.4	4726.1	4733.4	4755.3	4791.4	4841.4	4904.5	4957.4	4938.9
-37.5°	4948.7	4955.7	4960.0	4961.4	4960.0	4955.7	4948.7	4939.0	4926.8	4912.0	4858.3
-40°	4874.4	4894.9	4907.3	4911.5	4907.3	4894.9	4874.4	4845.9	4809.7	4766.2	4691.8
-42.5°	4695.2	4726.5	4745.4	4751.7	4745.4	4726.5	4695.2	4651.8	4596.6	4530.0	4324.0
-45°	4238.2	4375.8	4458.7	4486.4	4458.7	4375.8	4238.2	4047.2	3803.9	3510.0	3159.0
-47.5°	2946.7	3095.7	3185.4	3215.4	3185.4	3095.7	2946.7	2739.6	2475.6	2156.3	1783.6
-50°	1677.7	1698.2	1710.6	1714.7	1710.6	1698.2	1677.7	1649.2	1612.8	1568.7	1517.2
-52.5°	1477.7	1484.2	1488.0	1489.3	1488.0	1484.2	1477.7	1468.8	1457.4	1443.6	1427.4
-55°	1404.5	1408.8	1411.4	1412.3	1411.4	1408.8	1404.5	1398.4	1390.7	1381.3	1370.4
-57.5°	1333.3	1345.5	1352.8	1355.2	1352.8	1345.5	1333.3	1316.4	1294.7	1268.5	1237.7
-60°	1157.0	1169.6	1177.2	1179.7	1177.2	1169.6	1157.0	1139.4	1116.9	1089.5	1057.5
-62.5°	956.5	968.8	976.1	978.6	976.1	968.8	956.5	939.4	917.5	890.9	859.6
-65°	742.6	753.3	759.7	761.8	759.7	753.3	742.6	727.8	708.8	685.7	658.6
-67.5°	538.0	545.8	550.5	552.1	550.5	545.8	538.0	527.0	513.0	495.9	475.9
-70°	366.7	373.0	376.7	378.0	376.7	373.0	366.7	358.0	346.7	333.1	317.1
-72.5°	212.5	216.5	218.9	219.7	218.9	216.5	212.5	206.9	199.7	190.9	180.7
-75°	99.7	101.4	102.4	102.7	102.4	101.4	99.7	97.4	94.4	90.8	86.5
-77.5°	44.9	45.3	45.5	45.6	45.5	45.3	44.9	44.3	43.5	42.6	41.6
-80°	28.2	28.3	28.5	28.5	28.5	28.3	28.2	27.9	27.5	27.1	26.6
-82.5°	18.3	18.4	18.5	18.5	18.5	18.4	18.3	18.1	17.9	17.6	17.3
-85°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.7	9.6
-87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
85°	9.5	9.3	9.2	9.0	8.8	8.7	8.4	8.2	8.0	7.7	7.5
82.5°	17.0	16.5	16.1	15.6	15.1	14.5	13.9	13.2	12.5	11.8	11.0
80°	26.1	25.4	24.7	23.9	23.1	22.2	21.2	20.2	19.1	18.0	17.0
77.5°	40.4	39.0	37.5	35.8	34.0	32.0	30.0	28.0	26.7	25.2	23.7
75°	81.6	76.1	70.0	63.2	55.9	48.1	43.8	41.1	38.3	35.3	32.2
72.5°	168.9	155.6	140.8	124.7	107.1	95.7	85.8	75.3	64.3	52.7	44.1
70°	298.7	278.0	255.0	229.9	207.0	185.3	162.1	137.5	111.5	93.7	79.8
67.5°	452.9	427.1	398.4	368.1	337.1	303.9	268.4	230.7	198.5	167.7	135.5
65°	627.5	592.6	553.9	518.4	480.3	439.4	395.7	352.0	307.7	261.2	214.4
62.5°	823.8	783.7	739.9	692.9	641.9	587.3	532.9	481.7	427.8	371.9	318.3
60°	1020.8	979.6	930.6	876.9	818.9	756.9	692.9	625.1	553.9	491.6	427.1
57.5°	1202.5	1160.6	1110.6	1056.1	997.2	930.6	858.2	781.8	703.5	622.3	540.2
55°	1357.8	1320.1	1272.5	1220.5	1162.3	1093.7	1020.8	941.1	854.1	763.3	671.8
52.5°	1409.9	1394.6	1377.7	1359.4	1307.2	1242.3	1172.6	1089.5	1002.5	906.5	804.9
50°	1478.8	1456.4	1431.7	1406.8	1385.5	1362.7	1304.1	1226.1	1139.4	1042.0	938.2
47.5°	1661.4	1590.4	1512.3	1468.3	1437.2	1406.3	1380.4	1348.9	1261.6	1169.6	1062.0
45°	2699.8	2188.6	1701.7	1610.5	1512.9	1461.9	1424.5	1392.3	1362.0	1279.5	1179.7
42.5°	3903.4	3436.0	2872.2	2220.0	1685.9	1574.8	1478.6	1436.9	1398.3	1365.0	1279.5
40°	4597.0	4491.8	3962.4	3369.8	2651.6	1862.6	1612.5	1487.0	1441.0	1398.3	1362.0
37.5°	4796.6	4713.0	4589.7	4346.9	3672.0	2914.2	2034.2	1625.1	1487.0	1436.9	1392.3
35°	4918.1	4859.3	4779.6	4656.4	4506.2	3824.8	3002.3	2034.2	1612.5	1478.6	1424.5
32.5°	4959.9	4935.2	4902.0	4810.9	4690.1	4522.6	3824.8	2914.2	1862.6	1574.8	1461.9
30°	4776.1	4901.2	4945.6	4915.3	4821.4	4690.1	4506.2	3672.0	2651.6	1685.9	1512.9
27.5°	4460.8	4719.9	4866.8	4949.2	4915.3	4810.9	4656.4	4346.9	3369.8	2220.0	1610.5
25°	4231.2	4388.9	4685.3	4866.8	4945.6	4902.0	4779.6	4589.7	3962.4	2872.2	1701.7
22.5°	4184.7	4221.6	4388.9	4719.9	4901.2	4935.2	4859.3	4713.0	4491.8	3436.0	2188.6
20°	4383.8	4184.7	4231.2	4460.8	4776.1	4959.9	4918.1	4796.6	4597.0	3903.4	2699.8
17.5°	4789.7	4357.7	4165.7	4259.7	4601.9	4862.7	4938.9	4858.3	4691.8	4324.0	3159.0
15°	5624.9	4643.1	4280.6	4205.1	4404.1	4768.2	4957.4	4912.0	4766.2	4530.0	3510.0
12.5°	8803.7	5017.6	4408.8	4157.1	4262.0	4648.7	4904.5	4926.8	4809.7	4596.6	3803.9
10°	12565.1	6318.5	4648.4	4255.4	4225.0	4515.9	4841.4	4939.0	4845.9	4651.8	4047.2
7.5°	19033.9	8322.2	4881.8	4334.6	4195.6	4410.6	4791.4	4948.7	4874.4	4695.2	4238.2
5°	23839.8	9799.5	5052.8	4392.3	4174.2	4334.2	4755.3	4955.7	4894.9	4726.5	4375.8
2.5°	26805.4	10705.7	5157.3	4427.5	4161.3	4287.9	4733.4	4960.0	4907.3	4745.4	4458.7
0°	27808.5	11011.3	5192.5	4439.3	4156.9	4272.4	4726.1	4961.4	4911.5	4751.7	4486.4
-2.5°	26805.4	10705.7	5157.3	4427.5	4161.3	4287.9	4733.4	4960.0	4907.3	4745.4	4458.7
-5°	23839.8	9799.5	5052.8	4392.3	4174.2	4334.2	4755.3	4955.7	4894.9	4726.5	4375.8
-7.5°	19033.9	8322.2	4881.8	4334.6	4195.6	4410.6	4791.4	4948.7	4874.4	4695.2	4238.2
-10°	12565.1	6318.5	4648.4	4255.4	4225.0	4515.9	4841.4	4939.0	4845.9	4651.8	4047.2
-12.5°	8803.7	5017.6	4408.8	4157.1	4262.0	4648.7	4904.5	4926.8	4809.7	4596.6	3803.9
-15°	5624.9	4643.1	4280.6	4205.1	4404.1	4768.2	4957.4	4912.0	4766.2	4530.0	3510.0
-17.5°	4789.7	4357.7	4165.7	4259.7	4601.9	4862.7	4938.9	4858.3	4691.8	4324.0	3159.0
-20°	4383.8	4184.7	4231.2	4460.8	4776.1	4959.9	4918.1	4796.6	4597.0	3903.4	2699.8



REPORT NUMBER: P1305917 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4184.7	4221.6	4388.9	4719.9	4901.2	4935.2	4859.3	4713.0	4491.8	3436.0	2188.6
-25°	4231.2	4388.9	4685.3	4866.8	4945.6	4902.0	4779.6	4589.7	3962.4	2872.2	1701.7
-27.5°	4460.8	4719.9	4866.8	4949.2	4915.3	4810.9	4656.4	4346.9	3369.8	2220.0	1610.5
-30°	4776.1	4901.2	4945.6	4915.3	4821.4	4690.1	4506.2	3672.0	2651.6	1685.9	1512.9
-32.5°	4959.9	4935.2	4902.0	4810.9	4690.1	4522.6	3824.8	2914.2	1862.6	1574.8	1461.9
-35°	4918.1	4859.3	4779.6	4656.4	4506.2	3824.8	3002.3	2034.2	1612.5	1478.6	1424.5
-37.5°	4796.6	4713.0	4589.7	4346.9	3672.0	2914.2	2034.2	1625.1	1487.0	1436.9	1392.3
-40°	4597.0	4491.8	3962.4	3369.8	2651.6	1862.6	1612.5	1487.0	1441.0	1398.3	1362.0
-42.5°	3903.4	3436.0	2872.2	2220.0	1685.9	1574.8	1478.6	1436.9	1398.3	1365.0	1279.5
-45°	2699.8	2188.6	1701.7	1610.5	1512.9	1461.9	1424.5	1392.3	1362.0	1279.5	1179.7
-47.5°	1661.4	1590.4	1512.3	1468.3	1437.2	1406.3	1380.4	1348.9	1261.6	1169.6	1062.0
-50°	1478.8	1456.4	1431.7	1406.8	1385.5	1362.7	1304.1	1226.1	1139.4	1042.0	938.2
-52.5°	1409.9	1394.6	1377.7	1359.4	1307.2	1242.3	1172.6	1089.5	1002.5	906.5	804.9
-55°	1357.8	1320.1	1272.5	1220.5	1162.3	1093.7	1020.8	941.1	854.1	763.3	671.8
-57.5°	1202.5	1160.6	1110.6	1056.1	997.2	930.6	858.2	781.8	703.5	622.3	540.2
-60°	1020.8	979.6	930.6	876.9	818.9	756.9	692.9	625.1	553.9	491.6	427.1
-62.5°	823.8	783.7	739.9	692.9	641.9	587.3	532.9	481.7	427.8	371.9	318.3
-65°	627.5	592.6	553.9	518.4	480.3	439.4	395.7	352.0	307.7	261.2	214.4
-67.5°	452.9	427.1	398.4	368.1	337.1	303.9	268.4	230.7	198.5	167.7	135.5
-70°	298.7	278.0	255.0	229.9	207.0	185.3	162.1	137.5	111.5	93.7	79.8
-72.5°	168.9	155.6	140.8	124.7	107.1	95.7	85.8	75.3	64.3	52.7	44.1
-75°	81.6	76.1	70.0	63.2	55.9	48.1	43.8	41.1	38.3	35.3	32.2
-77.5°	40.4	39.0	37.5	35.8	34.0	32.0	30.0	28.0	26.7	25.2	23.7
-80°	26.1	25.4	24.7	23.9	23.1	22.2	21.2	20.2	19.1	18.0	17.0
-82.5°	17.0	16.5	16.1	15.6	15.1	14.5	13.9	13.2	12.5	11.8	11.0
-85°	9.5	9.3	9.2	9.0	8.8	8.7	8.4	8.2	8.0	7.7	7.5
-87.5°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	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: P1305917 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-70-1S-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°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
85°	7.2	6.9	6.6	6.3	6.0	5.7	5.3	4.8	4.4	3.9	3.4
82.5°	10.2	9.7	9.2	8.8	8.3	7.8	7.3	6.8	6.3	5.8	5.1
80°	15.9	14.8	13.6	12.4	11.2	10.0	9.3	8.6	8.0	7.3	6.5
77.5°	22.1	20.5	18.8	17.2	15.7	14.1	12.5	10.8	9.6	8.7	7.8
75°	29.0	26.8	24.8	22.6	20.5	18.3	16.3	14.4	12.3	10.3	9.1
72.5°	40.3	36.3	32.2	28.2	25.7	23.1	20.4	17.8	15.5	13.1	10.6
70°	65.2	50.2	42.3	37.5	32.5	27.9	24.8	21.7	18.6	15.8	13.1
67.5°	102.3	85.3	67.8	49.7	41.3	35.6	29.7	25.7	22.2	18.6	15.5
65°	177.1	138.4	100.6	80.5	59.9	43.5	37.1	30.5	25.7	21.7	17.8
62.5°	262.6	208.7	164.7	119.5	88.2	65.0	44.3	37.1	29.7	24.8	20.4
60°	361.7	298.7	233.7	180.7	130.0	90.8	65.0	43.5	35.6	27.9	23.1
57.5°	467.4	392.2	320.5	248.2	186.0	130.0	88.2	59.9	41.3	32.5	25.7
55°	577.2	491.8	408.4	327.8	248.2	180.7	119.5	80.5	49.7	37.5	28.2
52.5°	701.8	597.0	500.0	408.4	320.5	233.7	164.7	100.6	67.8	42.3	32.2
50°	825.8	711.8	597.0	491.8	392.2	298.7	208.7	138.4	85.3	50.2	36.3
47.5°	948.8	825.8	701.8	577.2	467.4	361.7	262.6	177.1	102.3	65.2	40.3
45°	1062.0	938.2	804.9	671.8	540.2	427.1	318.3	214.4	135.5	79.8	44.1
42.5°	1169.6	1042.0	906.5	763.3	622.3	491.6	371.9	261.2	167.7	93.7	52.7
40°	1261.6	1139.4	1002.5	854.1	703.5	553.9	427.8	307.7	198.5	111.5	64.3
37.5°	1348.9	1226.1	1089.5	941.1	781.8	625.1	481.7	352.0	230.7	137.5	75.3
35°	1380.4	1304.1	1172.6	1020.8	858.2	692.9	532.9	395.7	268.4	162.1	85.8
32.5°	1406.3	1362.7	1242.3	1093.7	930.6	756.9	587.3	439.4	303.9	185.3	95.7
30°	1437.2	1385.5	1307.2	1162.3	997.2	818.9	641.9	480.3	337.1	207.0	107.1
27.5°	1468.3	1406.8	1359.4	1220.5	1056.1	876.9	692.9	518.4	368.1	229.9	124.7
25°	1512.3	1431.7	1377.7	1272.5	1110.6	930.6	739.9	553.9	398.4	255.0	140.8
22.5°	1590.4	1456.4	1394.6	1320.1	1160.6	979.6	783.7	592.6	427.1	278.0	155.6
20°	1661.4	1478.8	1409.9	1357.8	1202.5	1020.8	823.8	627.5	452.9	298.7	168.9
17.5°	1783.6	1517.2	1427.4	1370.4	1237.7	1057.5	859.6	658.6	475.9	317.1	180.7
15°	2156.3	1568.7	1443.6	1381.3	1268.5	1089.5	890.9	685.7	495.9	333.1	190.9
12.5°	2475.6	1612.8	1457.4	1390.7	1294.7	1116.9	917.5	708.8	513.0	346.7	199.7
10°	2739.6	1649.2	1468.8	1398.4	1316.4	1139.4	939.4	727.8	527.0	358.0	206.9
7.5°	2946.7	1677.7	1477.7	1404.5	1333.3	1157.0	956.5	742.6	538.0	366.7	212.5
5°	3095.7	1698.2	1484.2	1408.8	1345.5	1169.6	968.8	753.3	545.8	373.0	216.5
2.5°	3185.4	1710.6	1488.0	1411.4	1352.8	1177.2	976.1	759.7	550.5	376.7	218.9
0°	3215.4	1714.7	1489.3	1412.3	1355.2	1179.7	978.6	761.8	552.1	378.0	219.7
-2.5°	3185.4	1710.6	1488.0	1411.4	1352.8	1177.2	976.1	759.7	550.5	376.7	218.9
-5°	3095.7	1698.2	1484.2	1408.8	1345.5	1169.6	968.8	753.3	545.8	373.0	216.5
-7.5°	2946.7	1677.7	1477.7	1404.5	1333.3	1157.0	956.5	742.6	538.0	366.7	212.5
-10°	2739.6	1649.2	1468.8	1398.4	1316.4	1139.4	939.4	727.8	527.0	358.0	206.9
-12.5°	2475.6	1612.8	1457.4	1390.7	1294.7	1116.9	917.5	708.8	513.0	346.7	199.7
-15°	2156.3	1568.7	1443.6	1381.3	1268.5	1089.5	890.9	685.7	495.9	333.1	190.9
-17.5°	1783.6	1517.2	1427.4	1370.4	1237.7	1057.5	859.6	658.6	475.9	317.1	180.7
-20°	1661.4	1478.8	1409.9	1357.8	1202.5	1020.8	823.8	627.5	452.9	298.7	168.9



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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°	1590.4	1456.4	1394.6	1320.1	1160.6	979.6	783.7	592.6	427.1	278.0	155.6
-25°	1512.3	1431.7	1377.7	1272.5	1110.6	930.6	739.9	553.9	398.4	255.0	140.8
-27.5°	1468.3	1406.8	1359.4	1220.5	1056.1	876.9	692.9	518.4	368.1	229.9	124.7
-30°	1437.2	1385.5	1307.2	1162.3	997.2	818.9	641.9	480.3	337.1	207.0	107.1
-32.5°	1406.3	1362.7	1242.3	1093.7	930.6	756.9	587.3	439.4	303.9	185.3	95.7
-35°	1380.4	1304.1	1172.6	1020.8	858.2	692.9	532.9	395.7	268.4	162.1	85.8
-37.5°	1348.9	1226.1	1089.5	941.1	781.8	625.1	481.7	352.0	230.7	137.5	75.3
-40°	1261.6	1139.4	1002.5	854.1	703.5	553.9	427.8	307.7	198.5	111.5	64.3
-42.5°	1169.6	1042.0	906.5	763.3	622.3	491.6	371.9	261.2	167.7	93.7	52.7
-45°	1062.0	938.2	804.9	671.8	540.2	427.1	318.3	214.4	135.5	79.8	44.1
-47.5°	948.8	825.8	701.8	577.2	467.4	361.7	262.6	177.1	102.3	65.2	40.3
-50°	825.8	711.8	597.0	491.8	392.2	298.7	208.7	138.4	85.3	50.2	36.3
-52.5°	701.8	597.0	500.0	408.4	320.5	233.7	164.7	100.6	67.8	42.3	32.2
-55°	577.2	491.8	408.4	327.8	248.2	180.7	119.5	80.5	49.7	37.5	28.2
-57.5°	467.4	392.2	320.5	248.2	186.0	130.0	88.2	59.9	41.3	32.5	25.7
-60°	361.7	298.7	233.7	180.7	130.0	90.8	65.0	43.5	35.6	27.9	23.1
-62.5°	262.6	208.7	164.7	119.5	88.2	65.0	44.3	37.1	29.7	24.8	20.4
-65°	177.1	138.4	100.6	80.5	59.9	43.5	37.1	30.5	25.7	21.7	17.8
-67.5°	102.3	85.3	67.8	49.7	41.3	35.6	29.7	25.7	22.2	18.6	15.5
-70°	65.2	50.2	42.3	37.5	32.5	27.9	24.8	21.7	18.6	15.8	13.1
-72.5°	40.3	36.3	32.2	28.2	25.7	23.1	20.4	17.8	15.5	13.1	10.6
-75°	29.0	26.8	24.8	22.6	20.5	18.3	16.3	14.4	12.3	10.3	9.1
-77.5°	22.1	20.5	18.8	17.2	15.7	14.1	12.5	10.8	9.6	8.7	7.8
-80°	15.9	14.8	13.6	12.4	11.2	10.0	9.3	8.6	8.0	7.3	6.5
-82.5°	10.2	9.7	9.2	8.8	8.3	7.8	7.3	6.8	6.3	5.8	5.1
-85°	7.2	6.9	6.6	6.3	6.0	5.7	5.3	4.8	4.4	3.9	3.4
-87.5°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	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):**

	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°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
80°	5.8	4.9	3.9	3.0	2.0	1.0	0.0
77.5°	6.9	6.0	4.9	3.7	2.5	1.2	0.0
75°	8.0	6.9	5.8	4.4	2.9	1.5	0.0
72.5°	9.1	7.8	6.5	5.1	3.4	1.7	0.0
70°	10.3	8.7	7.3	5.8	3.9	1.9	0.0
67.5°	12.3	9.6	8.0	6.3	4.4	2.2	0.0
65°	14.4	10.8	8.6	6.8	4.8	2.4	0.0
62.5°	16.3	12.5	9.3	7.3	5.3	2.6	0.0
60°	18.3	14.1	10.0	7.8	5.7	2.8	0.0
57.5°	20.5	15.7	11.2	8.3	6.0	3.1	0.0
55°	22.6	17.2	12.4	8.8	6.3	3.3	0.0
52.5°	24.8	18.8	13.6	9.2	6.6	3.5	0.0
50°	26.8	20.5	14.8	9.7	6.9	3.7	0.0
47.5°	29.0	22.1	15.9	10.2	7.2	3.9	0.0
45°	32.2	23.7	17.0	11.0	7.5	4.0	0.0
42.5°	35.3	25.2	18.0	11.8	7.7	4.2	0.0
40°	38.3	26.7	19.1	12.5	8.0	4.4	0.0
37.5°	41.1	28.0	20.2	13.2	8.2	4.5	0.0
35°	43.8	30.0	21.2	13.9	8.4	4.7	0.0
32.5°	48.1	32.0	22.2	14.5	8.7	4.8	0.0
30°	55.9	34.0	23.1	15.1	8.8	4.9	0.0
27.5°	63.2	35.8	23.9	15.6	9.0	5.1	0.0
25°	70.0	37.5	24.7	16.1	9.2	5.2	0.0
22.5°	76.1	39.0	25.4	16.5	9.3	5.3	0.0
20°	81.6	40.4	26.1	17.0	9.5	5.4	0.0
17.5°	86.5	41.6	26.6	17.3	9.6	5.4	0.0
15°	90.8	42.6	27.1	17.6	9.7	5.5	0.0
12.5°	94.4	43.5	27.5	17.9	9.8	5.6	0.0
10°	97.4	44.3	27.9	18.1	9.9	5.6	0.0
7.5°	99.7	44.9	28.2	18.3	9.9	5.7	0.0
5°	101.4	45.3	28.3	18.4	10.0	5.7	0.0
2.5°	102.4	45.5	28.5	18.5	10.0	5.7	0.0
0°	102.7	45.6	28.5	18.5	10.0	5.7	0.0
-2.5°	102.4	45.5	28.5	18.5	10.0	5.7	0.0
-5°	101.4	45.3	28.3	18.4	10.0	5.7	0.0
-7.5°	99.7	44.9	28.2	18.3	9.9	5.7	0.0
-10°	97.4	44.3	27.9	18.1	9.9	5.6	0.0
-12.5°	94.4	43.5	27.5	17.9	9.8	5.6	0.0
-15°	90.8	42.6	27.1	17.6	9.7	5.5	0.0
-17.5°	86.5	41.6	26.6	17.3	9.6	5.4	0.0
-20°	81.6	40.4	26.1	17.0	9.5	5.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	76.1	39.0	25.4	16.5	9.3	5.3	0.0
-25°	70.0	37.5	24.7	16.1	9.2	5.2	0.0
-27.5°	63.2	35.8	23.9	15.6	9.0	5.1	0.0
-30°	55.9	34.0	23.1	15.1	8.8	4.9	0.0
-32.5°	48.1	32.0	22.2	14.5	8.7	4.8	0.0
-35°	43.8	30.0	21.2	13.9	8.4	4.7	0.0
-37.5°	41.1	28.0	20.2	13.2	8.2	4.5	0.0
-40°	38.3	26.7	19.1	12.5	8.0	4.4	0.0
-42.5°	35.3	25.2	18.0	11.8	7.7	4.2	0.0
-45°	32.2	23.7	17.0	11.0	7.5	4.0	0.0
-47.5°	29.0	22.1	15.9	10.2	7.2	3.9	0.0
-50°	26.8	20.5	14.8	9.7	6.9	3.7	0.0
-52.5°	24.8	18.8	13.6	9.2	6.6	3.5	0.0
-55°	22.6	17.2	12.4	8.8	6.3	3.3	0.0
-57.5°	20.5	15.7	11.2	8.3	6.0	3.1	0.0
-60°	18.3	14.1	10.0	7.8	5.7	2.8	0.0
-62.5°	16.3	12.5	9.3	7.3	5.3	2.6	0.0
-65°	14.4	10.8	8.6	6.8	4.8	2.4	0.0
-67.5°	12.3	9.6	8.0	6.3	4.4	2.2	0.0
-70°	10.3	8.7	7.3	5.8	3.9	1.9	0.0
-72.5°	9.1	7.8	6.5	5.1	3.4	1.7	0.0
-75°	8.0	6.9	5.8	4.4	2.9	1.5	0.0
-77.5°	6.9	6.0	4.9	3.7	2.5	1.2	0.0
-80°	5.8	4.9	3.9	3.0	2.0	1.0	0.0
-82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
-85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)