

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: P1305950 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-57-80-4S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

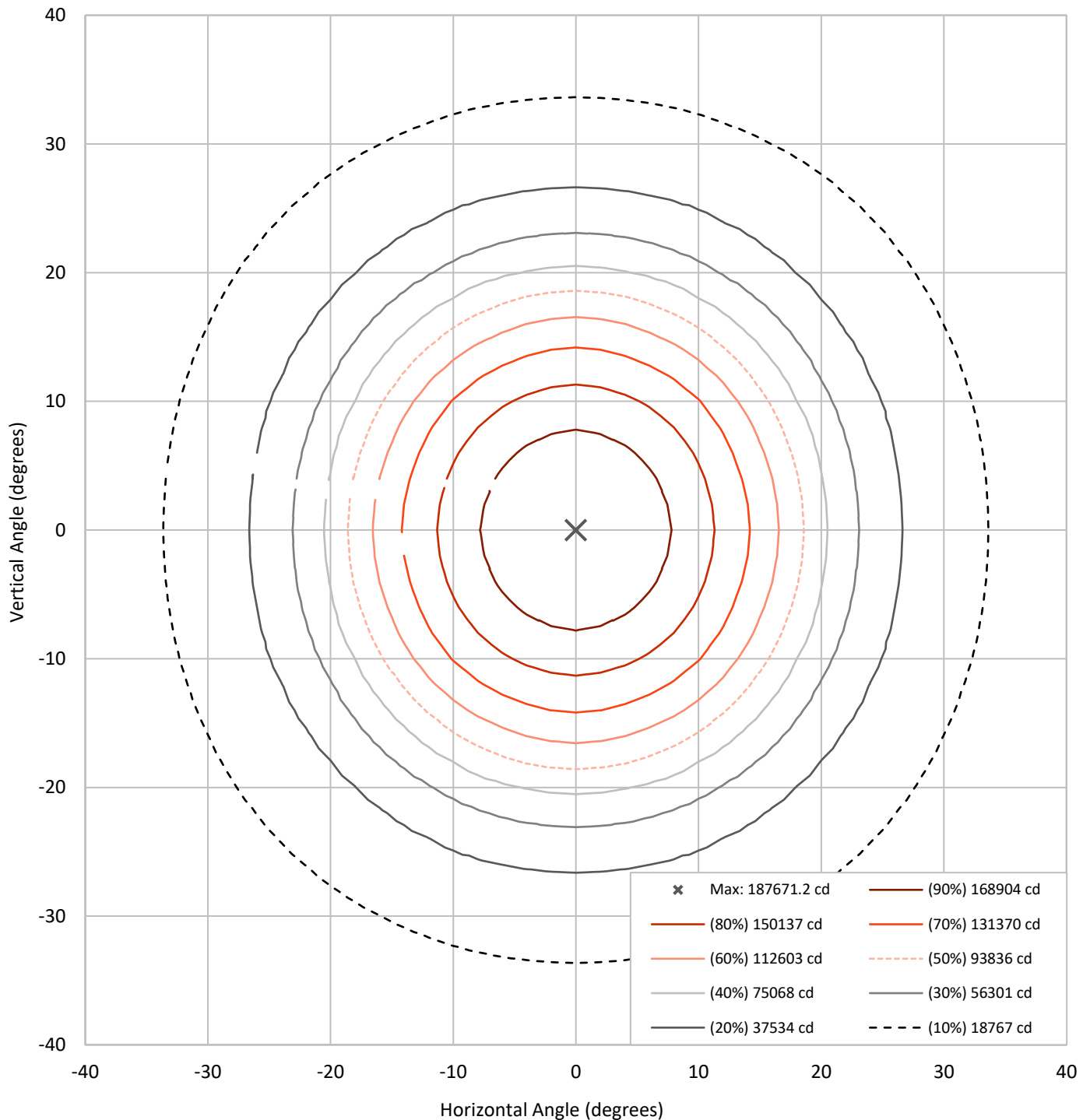
Test Method: LM-79-08  
Report Number: P1305950 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-530N-57-80-4S-HEG-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	86668.4 lumens	Max Intensity:	187671.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	156.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	45118.8 lumens	Field Lumens:	75792 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%
Input Watts (W):	554		
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





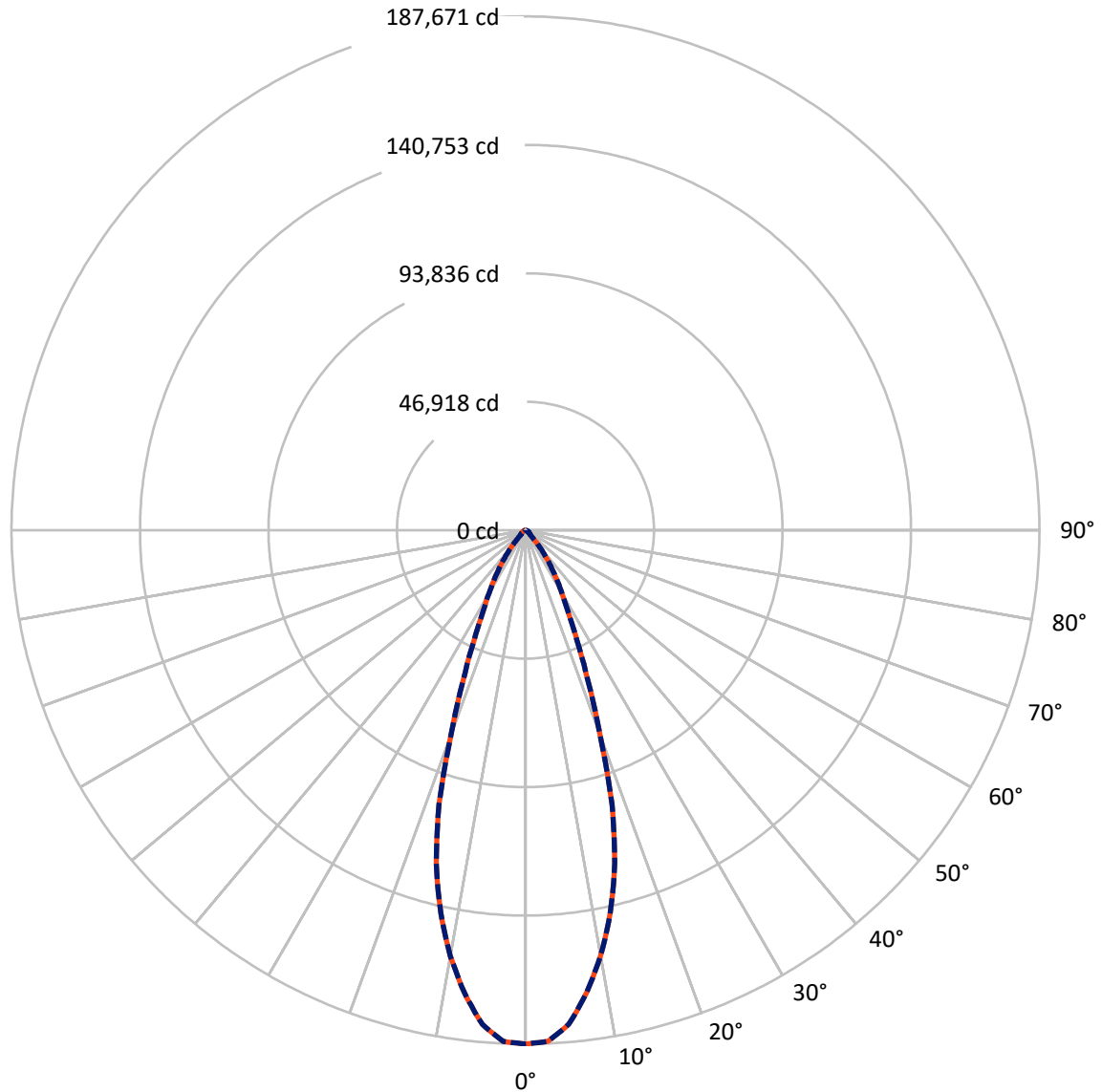
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### Lumen Table

90	0.1	0.7	2.6	6.2	8.0	6.2	2.6	0.7	0.1							
80	0.1	0.7	2.6	6.2	8.0	6.2	2.6	0.7	0.1							
70	0.3	0.4	1.6	4.3	9.0	14.6	19.6	22.3	22.3	19.6	14.6	9.0	4.3	1.6	0.4	0.3
60		1.2	5.1	13.9	25.6	36.0	43.6	47.8	47.8	43.6	36.0	25.6	13.9	5.1	1.2	
50	0.9	2.7	11.4	26.0	40.4	56.0	80.5	106.2	106.2	80.5	56.0	40.4	26.0	11.4	2.7	0.9
40		4.8	18.1	34.9	60.6	163.0	345.0	478.5	478.5	345.0	163.0	60.6	34.9	18.1	4.8	
30	1.8	7.1	23.0	43.9	148.4	463.8	907.0	1348.7	1348.7	907.0	463.8	148.4	43.9	23.0	7.1	1.8
20		8.9	26.1	59.6	295.5	854.0	2115.0	3472.0	3472.0	2115.0	854.0	295.5	59.6	26.1	8.9	
10	2.2	9.8	27.8	76.9	397.7	1234.9	3373.8	5082.1	5082.1	3373.8	1234.9	397.7	76.9	27.8	9.8	2.2
0		9.8	27.8	76.9	397.7	1234.9	3373.8	5082.1	5082.1	3373.8	1234.9	397.7	76.9	27.8	9.8	
-10	1.8	8.9	26.1	59.6	295.5	854.0	2115.0	3472.0	3472.0	2115.0	854.0	295.5	59.6	26.1	8.9	1.8
-20		7.1	23.0	43.9	148.4	463.8	907.0	1348.7	1348.7	907.0	463.8	148.4	43.9	23.0	7.1	
-30	0.9	4.8	18.1	34.9	60.6	163.0	345.0	478.5	478.5	345.0	163.0	60.6	34.9	18.1	4.8	0.9
-40		2.7	11.4	26.0	40.4	56.0	80.5	106.2	106.2	80.5	56.0	40.4	26.0	11.4	2.7	
-50	0.3	1.2	5.1	13.9	25.6	36.0	43.6	47.8	47.8	43.6	36.0	25.6	13.9	5.1	1.2	0.3
-60		0.4	1.6	4.3	9.0	14.6	19.6	22.3	22.3	19.6	14.6	9.0	4.3	1.6	0.4	
-70	0.1	0.7	2.6	6.2	8.0	6.2	2.6	0.7	0.1							
-80		0.1	0.7	2.6	6.2	8.0	6.2	2.6	0.7	0.1						
-90	0.1	0.7	2.6	6.2	8.0	6.2	2.6	0.7	0.1							

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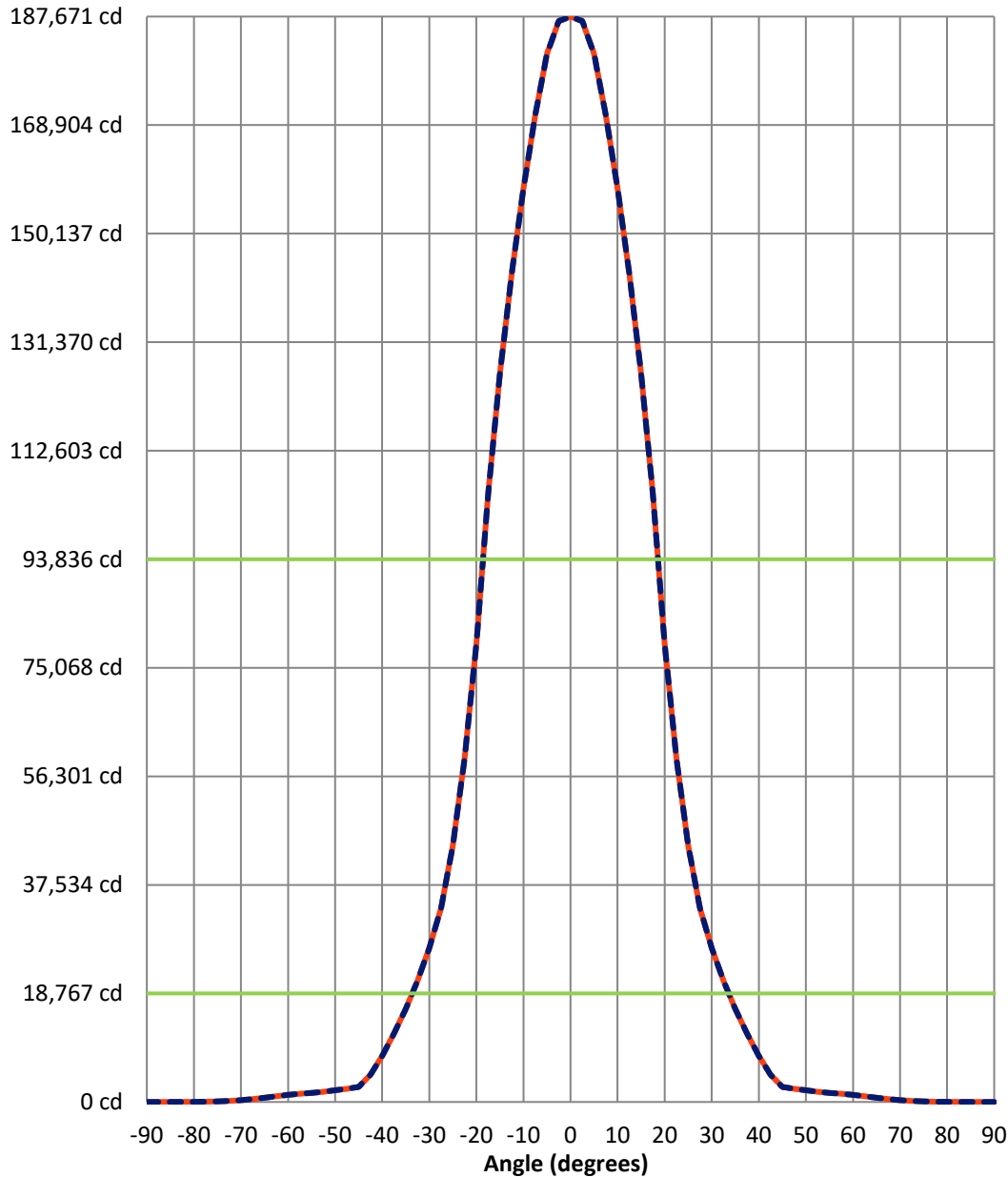
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 37.2°  
 V Angle: 37.2°  
 Lumens: 45118.8  
 Efficiency: 52.1%

**Field:**  
 H Angle: 67.2°  
 V Angle: 67.2°  
 Lumens: 75792  
 Efficiency: 87.5%

**Spill:**  
 Lumens: 10876.4  
 Efficiency: 12.5%

- 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	0.6	0.7	0.9	1.1	1.3	1.5	1.6	1.8
85°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.6
82.5°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.4	4.9	5.5
80°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.2	5.9	6.6	7.3
77.5°	0.0	0.9	1.9	2.8	3.7	4.6	5.6	6.5	7.4	8.3	9.4
75°	0.0	1.1	2.2	3.3	4.4	5.6	6.7	7.8	8.9	10.7	12.4
72.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.2	11.3	13.3	15.3
70°	0.0	1.5	2.9	4.4	5.9	7.4	8.9	11.3	13.6	16.0	18.2
67.5°	0.0	1.6	3.3	4.9	6.6	8.3	10.7	13.3	16.0	18.6	21.1
65°	0.0	1.8	3.6	5.5	7.3	9.4	12.4	15.3	18.2	21.1	25.8
62.5°	0.0	2.0	4.0	6.0	8.0	10.8	14.1	17.3	20.5	24.7	34.7
60°	0.0	2.1	4.3	6.5	8.7	12.2	15.7	19.2	22.7	32.6	43.4
57.5°	0.0	2.3	4.6	7.0	9.7	13.5	17.3	21.1	28.5	40.3	60.2
55°	0.0	2.5	4.9	7.5	10.8	14.8	18.9	22.9	35.2	50.2	80.6
52.5°	0.0	2.6	5.3	7.9	11.8	16.1	20.4	28.2	41.7	68.0	100.3
50°	0.0	2.8	5.6	8.4	12.8	17.3	21.9	33.7	50.7	85.3	126.2
47.5°	0.0	2.9	5.8	8.9	13.7	18.5	23.7	39.0	65.5	102.0	151.9
45°	0.0	3.0	6.1	9.6	14.6	19.7	28.1	44.1	79.8	124.2	176.8
42.5°	0.0	3.2	6.4	10.2	15.5	20.7	32.3	53.1	93.5	145.7	215.1
40°	0.0	3.3	6.6	10.8	16.3	21.8	36.4	64.6	108.3	166.2	254.1
37.5°	0.0	3.4	6.9	11.4	17.1	22.8	40.2	75.5	125.6	189.6	291.3
35°	0.0	3.5	7.1	12.0	17.9	25.1	43.8	85.8	142.0	221.1	332.5
32.5°	0.0	3.6	7.3	12.5	18.6	27.9	48.6	95.5	157.4	250.9	380.2
30°	0.0	3.7	7.5	13.0	19.2	30.5	56.4	105.4	171.9	278.8	425.0
27.5°	0.0	3.8	7.7	13.4	19.8	33.0	63.6	117.0	188.8	304.8	466.6
25°	0.0	3.9	7.9	13.9	20.4	35.2	70.2	127.8	209.9	335.5	505.4
22.5°	0.0	4.0	8.0	14.2	20.9	37.3	76.2	137.6	229.2	366.8	547.8
20°	0.0	4.0	8.2	14.6	21.3	39.1	81.6	146.5	246.6	395.0	586.0
17.5°	0.0	4.1	8.3	14.9	21.8	40.8	86.5	154.3	262.0	420.2	620.0
15°	0.0	4.2	8.4	15.2	22.1	42.2	90.7	161.2	275.4	442.1	649.7
12.5°	0.0	4.2	8.5	15.4	22.4	43.4	94.2	167.0	286.9	460.7	674.9
10°	0.0	4.2	8.6	15.6	22.7	44.4	97.2	171.8	296.3	476.1	695.7
7.5°	0.0	4.3	8.6	15.7	22.9	45.2	99.4	175.5	303.6	488.0	711.9
5°	0.0	4.3	8.7	15.8	23.0	45.8	101.1	178.2	308.9	496.6	723.6
2.5°	0.0	4.3	8.7	15.9	23.1	46.1	102.1	179.8	312.0	501.8	730.6
0°	0.0	4.3	8.7	15.9	23.1	46.2	102.4	180.3	313.1	503.5	732.9
-2.5°	0.0	4.3	8.7	15.9	23.1	46.1	102.1	179.8	312.0	501.8	730.6
-5°	0.0	4.3	8.7	15.8	23.0	45.8	101.1	178.2	308.9	496.6	723.6
-7.5°	0.0	4.3	8.6	15.7	22.9	45.2	99.4	175.5	303.6	488.0	711.9
-10°	0.0	4.2	8.6	15.6	22.7	44.4	97.2	171.8	296.3	476.1	695.7
-12.5°	0.0	4.2	8.5	15.4	22.4	43.4	94.2	167.0	286.9	460.7	674.9
-15°	0.0	4.2	8.4	15.2	22.1	42.2	90.7	161.2	275.4	442.1	649.7
-17.5°	0.0	4.1	8.3	14.9	21.8	40.8	86.5	154.3	262.0	420.2	620.0
-20°	0.0	4.0	8.2	14.6	21.3	39.1	81.6	146.5	246.6	395.0	586.0



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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	4.0	8.0	14.2	20.9	37.3	76.2	137.6	229.2	366.8	547.8
-25°	0.0	3.9	7.9	13.9	20.4	35.2	70.2	127.8	209.9	335.5	505.4
-27.5°	0.0	3.8	7.7	13.4	19.8	33.0	63.6	117.0	188.8	304.8	466.6
-30°	0.0	3.7	7.5	13.0	19.2	30.5	56.4	105.4	171.9	278.8	425.0
-32.5°	0.0	3.6	7.3	12.5	18.6	27.9	48.6	95.5	157.4	250.9	380.2
-35°	0.0	3.5	7.1	12.0	17.9	25.1	43.8	85.8	142.0	221.1	332.5
-37.5°	0.0	3.4	6.9	11.4	17.1	22.8	40.2	75.5	125.6	189.6	291.3
-40°	0.0	3.3	6.6	10.8	16.3	21.8	36.4	64.6	108.3	166.2	254.1
-42.5°	0.0	3.2	6.4	10.2	15.5	20.7	32.3	53.1	93.5	145.7	215.1
-45°	0.0	3.0	6.1	9.6	14.6	19.7	28.1	44.1	79.8	124.2	176.8
-47.5°	0.0	2.9	5.8	8.9	13.7	18.5	23.7	39.0	65.5	102.0	151.9
-50°	0.0	2.8	5.6	8.4	12.8	17.3	21.9	33.7	50.7	85.3	126.2
-52.5°	0.0	2.6	5.3	7.9	11.8	16.1	20.4	28.2	41.7	68.0	100.3
-55°	0.0	2.5	4.9	7.5	10.8	14.8	18.9	22.9	35.2	50.2	80.6
-57.5°	0.0	2.3	4.6	7.0	9.7	13.5	17.3	21.1	28.5	40.3	60.2
-60°	0.0	2.1	4.3	6.5	8.7	12.2	15.7	19.2	22.7	32.6	43.4
-62.5°	0.0	2.0	4.0	6.0	8.0	10.8	14.1	17.3	20.5	24.7	34.7
-65°	0.0	1.8	3.6	5.5	7.3	9.4	12.4	15.3	18.2	21.1	25.8
-67.5°	0.0	1.6	3.3	4.9	6.6	8.3	10.7	13.3	16.0	18.6	21.1
-70°	0.0	1.5	2.9	4.4	5.9	7.4	8.9	11.3	13.6	16.0	18.2
-72.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.2	11.3	13.3	15.3
-75°	0.0	1.1	2.2	3.3	4.4	5.6	6.7	7.8	8.9	10.7	12.4
-77.5°	0.0	0.9	1.9	2.8	3.7	4.6	5.6	6.5	7.4	8.3	9.4
-80°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.2	5.9	6.6	7.3
-82.5°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.4	4.9	5.5
-85°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.6
-87.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-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°	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.4
85°	4.0	4.3	4.6	4.9	5.3	5.6	5.8	6.1	6.4	6.6	6.9
82.5°	6.0	6.5	7.0	7.5	7.9	8.4	8.9	9.6	10.2	10.8	11.4
80°	8.0	8.7	9.7	10.8	11.8	12.8	13.7	14.6	15.5	16.3	17.1
77.5°	10.8	12.2	13.5	14.8	16.1	17.3	18.5	19.7	20.7	21.8	22.8
75°	14.1	15.7	17.3	18.9	20.4	21.9	23.7	28.1	32.3	36.4	40.2
72.5°	17.3	19.2	21.1	22.9	28.2	33.7	39.0	44.1	53.1	64.6	75.5
70°	20.5	22.7	28.5	35.2	41.7	50.7	65.5	79.8	93.5	108.3	125.6
67.5°	24.7	32.6	40.3	50.2	68.0	85.3	102.0	124.2	145.7	166.2	189.6
65°	34.7	43.4	60.2	80.6	100.3	126.2	151.9	176.8	215.1	254.1	291.3
62.5°	44.5	65.3	88.1	113.6	143.7	173.0	216.3	263.0	308.0	367.6	426.5
60°	65.3	90.7	120.6	154.3	192.0	246.6	299.4	366.8	437.4	505.4	583.4
57.5°	88.1	120.6	157.9	204.2	264.9	328.7	410.9	490.5	580.3	669.1	756.5
55°	113.6	154.3	204.2	271.0	346.4	437.6	531.0	634.5	734.6	841.7	944.2
52.5°	143.7	192.0	264.9	346.4	446.5	552.7	667.3	783.6	903.3	1017.4	1123.6
50°	173.0	246.6	328.7	437.6	552.7	678.3	808.3	940.7	1065.6	1184.3	1283.1
47.5°	216.3	299.4	410.9	531.0	667.3	808.3	953.2	1089.9	1221.2	1321.1	1414.4
45°	263.0	366.8	490.5	634.5	783.6	940.7	1089.9	1233.5	1340.2	1438.5	1515.7
42.5°	308.0	437.4	580.3	734.6	903.3	1065.6	1221.2	1340.2	1446.0	1531.1	1628.5
40°	367.6	505.4	669.1	841.7	1017.4	1184.3	1321.1	1438.5	1531.1	1638.9	1754.4
37.5°	426.5	583.4	756.5	944.2	1123.6	1283.1	1414.4	1515.7	1628.5	1754.4	1924.4
35°	482.5	657.5	846.5	1039.7	1224.9	1366.5	1485.3	1597.4	1733.3	1909.1	2084.7
32.5°	542.0	727.5	931.7	1128.6	1300.4	1440.2	1551.4	1691.3	1863.6	2056.8	2227.7
30°	601.8	800.2	1010.9	1212.3	1369.8	1498.4	1629.3	1788.6	1997.9	2185.0	2396.9
27.5°	657.5	868.5	1082.7	1277.2	1431.7	1552.9	1707.3	1906.8	2114.9	2317.3	2574.7
25°	709.0	931.7	1149.2	1332.7	1478.5	1615.6	1788.0	2017.1	2220.8	2473.4	3428.0
22.5°	758.6	989.5	1210.2	1383.6	1521.5	1677.5	1882.4	2109.8	2334.7	2654.0	4401.9
20°	806.0	1039.7	1257.8	1427.8	1560.6	1733.7	1968.3	2192.8	2457.8	3485.0	5627.1
17.5°	848.1	1084.5	1295.5	1459.8	1604.8	1793.9	2044.0	2267.4	2568.6	4234.6	6890.4
15°	884.9	1123.6	1328.4	1487.8	1645.4	1856.2	2104.5	2354.2	2955.6	5004.0	8016.3
12.5°	916.3	1156.9	1356.5	1511.7	1680.1	1909.5	2156.4	2431.6	3481.8	5895.1	9157.8
10°	942.1	1184.3	1379.6	1531.4	1708.7	1953.5	2199.3	2495.7	3918.2	6635.4	10108.4
7.5°	962.3	1205.8	1397.7	1546.8	1731.1	1988.1	2233.0	2546.0	4261.4	7218.6	10858.6
5°	976.7	1221.2	1410.7	1557.9	1747.2	2012.9	2257.1	2582.3	4508.6	7639.3	11400.5
2.5°	985.4	1230.4	1418.5	1564.6	1756.9	2027.8	2271.7	2604.1	4657.8	7893.3	11728.1
0°	988.3	1233.5	1421.1	1566.8	1760.1	2032.8	2276.6	2611.4	4707.7	7978.3	11837.7
-2.5°	985.4	1230.4	1418.5	1564.6	1756.9	2027.8	2271.7	2604.1	4657.8	7893.3	11728.1
-5°	976.7	1221.2	1410.7	1557.9	1747.2	2012.9	2257.1	2582.3	4508.6	7639.3	11400.5
-7.5°	962.3	1205.8	1397.7	1546.8	1731.1	1988.1	2233.0	2546.0	4261.4	7218.6	10858.6
-10°	942.1	1184.3	1379.6	1531.4	1708.7	1953.5	2199.3	2495.7	3918.2	6635.4	10108.4
-12.5°	916.3	1156.9	1356.5	1511.7	1680.1	1909.5	2156.4	2431.6	3481.8	5895.1	9157.8
-15°	884.9	1123.6	1328.4	1487.8	1645.4	1856.2	2104.5	2354.2	2955.6	5004.0	8016.3
-17.5°	848.1	1084.5	1295.5	1459.8	1604.8	1793.9	2044.0	2267.4	2568.6	4234.6	6890.4
-20°	806.0	1039.7	1257.8	1427.8	1560.6	1733.7	1968.3	2192.8	2457.8	3485.0	5627.1



REPORT NUMBER: P1305950 (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°	758.6	989.5	1210.2	1383.6	1521.5	1677.5	1882.4	2109.8	2334.7	2654.0	4401.9
-25°	709.0	931.7	1149.2	1332.7	1478.5	1615.6	1788.0	2017.1	2220.8	2473.4	3428.0
-27.5°	657.5	868.5	1082.7	1277.2	1431.7	1552.9	1707.3	1906.8	2114.9	2317.3	2574.7
-30°	601.8	800.2	1010.9	1212.3	1369.8	1498.4	1629.3	1788.6	1997.9	2185.0	2396.9
-32.5°	542.0	727.5	931.7	1128.6	1300.4	1440.2	1551.4	1691.3	1863.6	2056.8	2227.7
-35°	482.5	657.5	846.5	1039.7	1224.9	1366.5	1485.3	1597.4	1733.3	1909.1	2084.7
-37.5°	426.5	583.4	756.5	944.2	1123.6	1283.1	1414.4	1515.7	1628.5	1754.4	1924.4
-40°	367.6	505.4	669.1	841.7	1017.4	1184.3	1321.1	1438.5	1531.1	1638.9	1754.4
-42.5°	308.0	437.4	580.3	734.6	903.3	1065.6	1221.2	1340.2	1446.0	1531.1	1628.5
-45°	263.0	366.8	490.5	634.5	783.6	940.7	1089.9	1233.5	1340.2	1438.5	1515.7
-47.5°	216.3	299.4	410.9	531.0	667.3	808.3	953.2	1089.9	1221.2	1321.1	1414.4
-50°	173.0	246.6	328.7	437.6	552.7	678.3	808.3	940.7	1065.6	1184.3	1283.1
-52.5°	143.7	192.0	264.9	346.4	446.5	552.7	667.3	783.6	903.3	1017.4	1123.6
-55°	113.6	154.3	204.2	271.0	346.4	437.6	531.0	634.5	734.6	841.7	944.2
-57.5°	88.1	120.6	157.9	204.2	264.9	328.7	410.9	490.5	580.3	669.1	756.5
-60°	65.3	90.7	120.6	154.3	192.0	246.6	299.4	366.8	437.4	505.4	583.4
-62.5°	44.5	65.3	88.1	113.6	143.7	173.0	216.3	263.0	308.0	367.6	426.5
-65°	34.7	43.4	60.2	80.6	100.3	126.2	151.9	176.8	215.1	254.1	291.3
-67.5°	24.7	32.6	40.3	50.2	68.0	85.3	102.0	124.2	145.7	166.2	189.6
-70°	20.5	22.7	28.5	35.2	41.7	50.7	65.5	79.8	93.5	108.3	125.6
-72.5°	17.3	19.2	21.1	22.9	28.2	33.7	39.0	44.1	53.1	64.6	75.5
-75°	14.1	15.7	17.3	18.9	20.4	21.9	23.7	28.1	32.3	36.4	40.2
-77.5°	10.8	12.2	13.5	14.8	16.1	17.3	18.5	19.7	20.7	21.8	22.8
-80°	8.0	8.7	9.7	10.8	11.8	12.8	13.7	14.6	15.5	16.3	17.1
-82.5°	6.0	6.5	7.0	7.5	7.9	8.4	8.9	9.6	10.2	10.8	11.4
-85°	4.0	4.3	4.6	4.9	5.3	5.6	5.8	6.1	6.4	6.6	6.9
-87.5°	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.4
-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°	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.2	4.2
85°	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.3	8.4	8.5	8.6
82.5°	12.0	12.5	13.0	13.4	13.9	14.2	14.6	14.9	15.2	15.4	15.6
80°	17.9	18.6	19.2	19.8	20.4	20.9	21.3	21.8	22.1	22.4	22.7
77.5°	25.1	27.9	30.5	33.0	35.2	37.3	39.1	40.8	42.2	43.4	44.4
75°	43.8	48.6	56.4	63.6	70.2	76.2	81.6	86.5	90.7	94.2	97.2
72.5°	85.8	95.5	105.4	117.0	127.8	137.6	146.5	154.3	161.2	167.0	171.8
70°	142.0	157.4	171.9	188.8	209.9	229.2	246.6	262.0	275.4	286.9	296.3
67.5°	221.1	250.9	278.8	304.8	335.5	366.8	395.0	420.2	442.1	460.7	476.1
65°	332.5	380.2	425.0	466.6	505.4	547.8	586.0	620.0	649.7	674.9	695.7
62.5°	482.5	542.0	601.8	657.5	709.0	758.6	806.0	848.1	884.9	916.3	942.1
60°	657.5	727.5	800.2	868.5	931.7	989.5	1039.7	1084.5	1123.6	1156.9	1184.3
57.5°	846.5	931.7	1010.9	1082.7	1149.2	1210.2	1257.8	1295.5	1328.4	1356.5	1379.6
55°	1039.7	1128.6	1212.3	1277.2	1332.7	1383.6	1427.8	1459.8	1487.8	1511.7	1531.4
52.5°	1224.9	1300.4	1369.8	1431.7	1478.5	1521.5	1560.6	1604.8	1645.4	1680.1	1708.7
50°	1366.5	1440.2	1498.4	1552.9	1615.6	1677.5	1733.7	1793.9	1856.2	1909.5	1953.5
47.5°	1485.3	1551.4	1629.3	1707.3	1788.0	1882.4	1968.3	2044.0	2104.5	2156.4	2199.3
45°	1597.4	1691.3	1788.6	1906.8	2017.1	2109.8	2192.8	2267.4	2354.2	2431.6	2495.7
42.5°	1733.3	1863.6	1997.9	2114.9	2220.8	2334.7	2457.8	2568.6	2955.6	3481.8	3918.2
40°	1909.1	2056.8	2185.0	2317.3	2473.4	2654.0	3485.0	4234.6	5004.0	5895.1	6635.4
37.5°	2084.7	2227.7	2396.9	2574.7	3428.0	4401.9	5627.1	6890.4	8016.3	9157.8	10108.4
35°	2242.0	2437.1	2767.9	3954.6	5278.9	6909.1	8490.1	10099.7	11531.3	12865.9	14006.1
32.5°	2437.1	2897.8	4221.2	5918.9	7783.6	9810.2	11718.0	13619.7	15328.3	16918.6	18343.2
30°	2767.9	4221.2	6134.2	8271.9	10618.3	12925.7	15184.6	17420.3	19542.3	21465.9	23277.0
27.5°	3954.6	5918.9	8271.9	10890.4	13545.7	16154.0	18934.3	21577.7	24256.8	26606.7	29025.3
25°	5278.9	7783.6	10618.3	13545.7	16525.3	19706.0	22975.0	26186.5	29642.1	32774.9	36528.2
22.5°	6909.1	9810.2	12925.7	16154.0	19706.0	23447.4	27296.0	31526.1	36451.2	41838.8	47271.8
20°	8490.1	11718.0	15184.6	18934.3	22975.0	27296.0	32165.1	38560.7	45474.6	53711.5	61261.4
17.5°	10099.7	13619.7	17420.3	21577.7	26186.5	31526.1	38560.7	47049.0	57050.2	68200.7	78593.0
15°	11531.3	15328.3	19542.3	24256.8	29642.1	36451.2	45474.6	57050.2	70580.9	85064.1	100249.3
12.5°	12865.9	16918.6	21465.9	26606.7	32774.9	41838.8	53711.5	68200.7	85064.1	103937.4	117902.2
10°	14006.1	18343.2	23277.0	29025.3	36528.2	47271.8	61261.4	78593.0	100249.3	117902.2	132290.0
7.5°	14908.0	19473.1	24718.5	30960.1	39884.9	52464.0	68877.2	89613.0	111447.7	129136.1	143282.2
5°	15560.7	20292.5	25766.8	32372.0	42345.4	56291.9	74535.3	98028.5	119275.6	136840.0	151122.0
2.5°	15955.7	20789.3	26403.5	33231.8	43848.4	58640.3	78026.8	103263.9	124204.2	141567.3	156143.7
0°	<b>16088.0</b>	<b>20955.8</b>	<b>26617.1</b>	<b>33520.6</b>	<b>44354.1</b>	<b>59432.1</b>	<b>79207.7</b>	<b>105042.8</b>	<b>125890.3</b>	<b>143134.7</b>	<b>157919.1</b>
-2.5°	15955.7	20789.3	26403.5	33231.8	43848.4	58640.3	78026.8	103263.9	124204.2	141567.3	156143.7
-5°	15560.7	20292.5	25766.8	32372.0	42345.4	56291.9	74535.3	98028.5	119275.6	136840.0	151122.0
-7.5°	14908.0	19473.1	24718.5	30960.1	39884.9	52464.0	68877.2	89613.0	111447.7	129136.1	143282.2
-10°	14006.1	18343.2	23277.0	29025.3	36528.2	47271.8	61261.4	78593.0	100249.3	117902.2	132290.0
-12.5°	12865.9	16918.6	21465.9	26606.7	32774.9	41838.8	53711.5	68200.7	85064.1	103937.4	117902.2
-15°	11531.3	15328.3	19542.3	24256.8	29642.1	36451.2	45474.6	57050.2	70580.9	85064.1	100249.3
-17.5°	10099.7	13619.7	17420.3	21577.7	26186.5	31526.1	38560.7	47049.0	57050.2	68200.7	78593.0
-20°	8490.1	11718.0	15184.6	18934.3	22975.0	27296.0	32165.1	38560.7	45474.6	53711.5	61261.4



REPORT NUMBER: P1305950 (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°	6909.1	9810.2	12925.7	16154.0	19706.0	23447.4	27296.0	31526.1	36451.2	41838.8	47271.8
-25°	5278.9	7783.6	10618.3	13545.7	16525.3	19706.0	22975.0	26186.5	29642.1	32774.9	36528.2
-27.5°	3954.6	5918.9	8271.9	10890.4	13545.7	16154.0	18934.3	21577.7	24256.8	26606.7	29025.3
-30°	2767.9	4221.2	6134.2	8271.9	10618.3	12925.7	15184.6	17420.3	19542.3	21465.9	23277.0
-32.5°	2437.1	2897.8	4221.2	5918.9	7783.6	9810.2	11718.0	13619.7	15328.3	16918.6	18343.2
-35°	2242.0	2437.1	2767.9	3954.6	5278.9	6909.1	8490.1	10099.7	11531.3	12865.9	14006.1
-37.5°	2084.7	2227.7	2396.9	2574.7	3428.0	4401.9	5627.1	6890.4	8016.3	9157.8	10108.4
-40°	1909.1	2056.8	2185.0	2317.3	2473.4	2654.0	3485.0	4234.6	5004.0	5895.1	6635.4
-42.5°	1733.3	1863.6	1997.9	2114.9	2220.8	2334.7	2457.8	2568.6	2955.6	3481.8	3918.2
-45°	1597.4	1691.3	1788.6	1906.8	2017.1	2109.8	2192.8	2267.4	2354.2	2431.6	2495.7
-47.5°	1485.3	1551.4	1629.3	1707.3	1788.0	1882.4	1968.3	2044.0	2104.5	2156.4	2199.3
-50°	1366.5	1440.2	1498.4	1552.9	1615.6	1677.5	1733.7	1793.9	1856.2	1909.5	1953.5
-52.5°	1224.9	1300.4	1369.8	1431.7	1478.5	1521.5	1560.6	1604.8	1645.4	1680.1	1708.7
-55°	1039.7	1128.6	1212.3	1277.2	1332.7	1383.6	1427.8	1459.8	1487.8	1511.7	1531.4
-57.5°	846.5	931.7	1010.9	1082.7	1149.2	1210.2	1257.8	1295.5	1328.4	1356.5	1379.6
-60°	657.5	727.5	800.2	868.5	931.7	989.5	1039.7	1084.5	1123.6	1156.9	1184.3
-62.5°	482.5	542.0	601.8	657.5	709.0	758.6	806.0	848.1	884.9	916.3	942.1
-65°	332.5	380.2	425.0	466.6	505.4	547.8	586.0	620.0	649.7	674.9	695.7
-67.5°	221.1	250.9	278.8	304.8	335.5	366.8	395.0	420.2	442.1	460.7	476.1
-70°	142.0	157.4	171.9	188.8	209.9	229.2	246.6	262.0	275.4	286.9	296.3
-72.5°	85.8	95.5	105.4	117.0	127.8	137.6	146.5	154.3	161.2	167.0	171.8
-75°	43.8	48.6	56.4	63.6	70.2	76.2	81.6	86.5	90.7	94.2	97.2
-77.5°	25.1	27.9	30.5	33.0	35.2	37.3	39.1	40.8	42.2	43.4	44.4
-80°	17.9	18.6	19.2	19.8	20.4	20.9	21.3	21.8	22.1	22.4	22.7
-82.5°	12.0	12.5	13.0	13.4	13.9	14.2	14.6	14.9	15.2	15.4	15.6
-85°	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.3	8.4	8.5	8.6
-87.5°	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.2	4.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305950 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-57-80-4S-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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1
85°	8.6	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.4	8.3
82.5°	15.7	15.8	15.9	15.9	15.9	15.8	15.7	15.6	15.4	15.2	14.9
80°	22.9	23.0	23.1	23.1	23.1	23.0	22.9	22.7	22.4	22.1	21.8
77.5°	45.2	45.8	46.1	46.2	46.1	45.8	45.2	44.4	43.4	42.2	40.8
75°	99.4	101.1	102.1	102.4	102.1	101.1	99.4	97.2	94.2	90.7	86.5
72.5°	175.5	178.2	179.8	180.3	179.8	178.2	175.5	171.8	167.0	161.2	154.3
70°	303.6	308.9	312.0	313.1	312.0	308.9	303.6	296.3	286.9	275.4	262.0
67.5°	488.0	496.6	501.8	503.5	501.8	496.6	488.0	476.1	460.7	442.1	420.2
65°	711.9	723.6	730.6	732.9	730.6	723.6	711.9	695.7	674.9	649.7	620.0
62.5°	962.3	976.7	985.4	988.3	985.4	976.7	962.3	942.1	916.3	884.9	848.1
60°	1205.8	1221.2	1230.4	1233.5	1230.4	1221.2	1205.8	1184.3	1156.9	1123.6	1084.5
57.5°	1397.7	1410.7	1418.5	1421.1	1418.5	1410.7	1397.7	1379.6	1356.5	1328.4	1295.5
55°	1546.8	1557.9	1564.6	1566.8	1564.6	1557.9	1546.8	1531.4	1511.7	1487.8	1459.8
52.5°	1731.1	1747.2	1756.9	1760.1	1756.9	1747.2	1731.1	1708.7	1680.1	1645.4	1604.8
50°	1988.1	2012.9	2027.8	2032.8	2027.8	2012.9	1988.1	1953.5	1909.5	1856.2	1793.9
47.5°	2233.0	2257.1	2271.7	2276.6	2271.7	2257.1	2233.0	2199.3	2156.4	2104.5	2044.0
45°	2546.0	2582.3	2604.1	2611.4	2604.1	2582.3	2546.0	2495.7	2431.6	2354.2	2267.4
42.5°	4261.4	4508.6	4657.8	4707.7	4657.8	4508.6	4261.4	3918.2	3481.8	2955.6	2568.6
40°	7218.6	7639.3	7893.3	7978.3	7893.3	7639.3	7218.6	6635.4	5895.1	5004.0	4234.6
37.5°	10858.6	11400.5	11728.1	11837.7	11728.1	11400.5	10858.6	10108.4	9157.8	8016.3	6890.4
35°	14908.0	15560.7	15955.7	16088.0	15955.7	15560.7	14908.0	14006.1	12865.9	11531.3	10099.7
32.5°	19473.1	20292.5	20789.3	20955.8	20789.3	20292.5	19473.1	18343.2	16918.6	15328.3	13619.7
30°	24718.5	25766.8	26403.5	26617.1	26403.5	25766.8	24718.5	23277.0	21465.9	19542.3	17420.3
27.5°	30960.1	32372.0	33231.8	33520.6	33231.8	32372.0	30960.1	29025.3	26606.7	24256.8	21577.7
25°	39884.9	42345.4	43848.4	44354.1	43848.4	42345.4	39884.9	36528.2	32774.9	29642.1	26186.5
22.5°	52464.0	56291.9	58640.3	59432.1	58640.3	56291.9	52464.0	47271.8	41838.8	36451.2	31526.1
20°	68877.2	74535.3	78026.8	79207.7	78026.8	74535.3	68877.2	61261.4	53711.5	45474.6	38560.7
17.5°	89613.0	98028.5	103263.9	105042.8	103263.9	98028.5	89613.0	78593.0	68200.7	57050.2	47049.0
15°	111447.7	119275.6	124204.2	125890.3	124204.2	119275.6	111447.7	100249.3	85064.1	70580.9	57050.2
12.5°	129136.1	136840.0	141567.3	143134.7	141567.3	136840.0	129136.1	117902.2	103937.4	85064.1	68200.7
10°	143282.2	151122.0	156143.7	157919.1	156143.7	151122.0	143282.2	132290.0	117902.2	100249.3	78593.0
7.5°	154472.8	163321.6	168681.1	170588.5	168681.1	163321.6	154472.8	143282.2	129136.1	111447.7	89613.0
5°	163321.6	172637.6	178981.3	181213.5	178981.3	172637.6	163321.6	151122.0	136840.0	119275.6	98028.5
2.5°	168681.1	178981.3	185109.2	186869.8	185109.2	178981.3	168681.1	156143.7	141567.3	124204.2	103263.9
0°	170588.5	181213.5	186869.8	187671.2	186869.8	181213.5	170588.5	157919.1	143134.7	125890.3	105042.8
-2.5°	168681.1	178981.3	185109.2	186869.8	185109.2	178981.3	168681.1	156143.7	141567.3	124204.2	103263.9
-5°	163321.6	172637.6	178981.3	181213.5	178981.3	172637.6	163321.6	151122.0	136840.0	119275.6	98028.5
-7.5°	154472.8	163321.6	168681.1	170588.5	168681.1	163321.6	154472.8	143282.2	129136.1	111447.7	89613.0
-10°	143282.2	151122.0	156143.7	157919.1	156143.7	151122.0	143282.2	132290.0	117902.2	100249.3	78593.0
-12.5°	129136.1	136840.0	141567.3	143134.7	141567.3	136840.0	129136.1	117902.2	103937.4	85064.1	68200.7
-15°	111447.7	119275.6	124204.2	125890.3	124204.2	119275.6	111447.7	100249.3	85064.1	70580.9	57050.2
-17.5°	89613.0	98028.5	103263.9	105042.8	103263.9	98028.5	89613.0	78593.0	68200.7	57050.2	47049.0
-20°	68877.2	74535.3	78026.8	79207.7	78026.8	74535.3	68877.2	61261.4	53711.5	45474.6	38560.7



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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°	52464.0	56291.9	58640.3	59432.1	58640.3	56291.9	52464.0	47271.8	41838.8	36451.2	31526.1
-25°	39884.9	42345.4	43848.4	44354.1	43848.4	42345.4	39884.9	36528.2	32774.9	29642.1	26186.5
-27.5°	30960.1	32372.0	33231.8	33520.6	33231.8	32372.0	30960.1	29025.3	26606.7	24256.8	21577.7
-30°	24718.5	25766.8	26403.5	26617.1	26403.5	25766.8	24718.5	23277.0	21465.9	19542.3	17420.3
-32.5°	19473.1	20292.5	20789.3	20955.8	20789.3	20292.5	19473.1	18343.2	16918.6	15328.3	13619.7
-35°	14908.0	15560.7	15955.7	16088.0	15955.7	15560.7	14908.0	14006.1	12865.9	11531.3	10099.7
-37.5°	10858.6	11400.5	11728.1	11837.7	11728.1	11400.5	10858.6	10108.4	9157.8	8016.3	6890.4
-40°	7218.6	7639.3	7893.3	7978.3	7893.3	7639.3	7218.6	6635.4	5895.1	5004.0	4234.6
-42.5°	4261.4	4508.6	4657.8	4707.7	4657.8	4508.6	4261.4	3918.2	3481.8	2955.6	2568.6
-45°	2546.0	2582.3	2604.1	2611.4	2604.1	2582.3	2546.0	2495.7	2431.6	2354.2	2267.4
-47.5°	2233.0	2257.1	2271.7	2276.6	2271.7	2257.1	2233.0	2199.3	2156.4	2104.5	2044.0
-50°	1988.1	2012.9	2027.8	2032.8	2027.8	2012.9	1988.1	1953.5	1909.5	1856.2	1793.9
-52.5°	1731.1	1747.2	1756.9	1760.1	1756.9	1747.2	1731.1	1708.7	1680.1	1645.4	1604.8
-55°	1546.8	1557.9	1564.6	1566.8	1564.6	1557.9	1546.8	1531.4	1511.7	1487.8	1459.8
-57.5°	1397.7	1410.7	1418.5	1421.1	1418.5	1410.7	1397.7	1379.6	1356.5	1328.4	1295.5
-60°	1205.8	1221.2	1230.4	1233.5	1230.4	1221.2	1205.8	1184.3	1156.9	1123.6	1084.5
-62.5°	962.3	976.7	985.4	988.3	985.4	976.7	962.3	942.1	916.3	884.9	848.1
-65°	711.9	723.6	730.6	732.9	730.6	723.6	711.9	695.7	674.9	649.7	620.0
-67.5°	488.0	496.6	501.8	503.5	501.8	496.6	488.0	476.1	460.7	442.1	420.2
-70°	303.6	308.9	312.0	313.1	312.0	308.9	303.6	296.3	286.9	275.4	262.0
-72.5°	175.5	178.2	179.8	180.3	179.8	178.2	175.5	171.8	167.0	161.2	154.3
-75°	99.4	101.1	102.1	102.4	102.1	101.1	99.4	97.2	94.2	90.7	86.5
-77.5°	45.2	45.8	46.1	46.2	46.1	45.8	45.2	44.4	43.4	42.2	40.8
-80°	22.9	23.0	23.1	23.1	23.1	23.0	22.9	22.7	22.4	22.1	21.8
-82.5°	15.7	15.8	15.9	15.9	15.9	15.8	15.7	15.6	15.4	15.2	14.9
-85°	8.6	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.4	8.3
-87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1
-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):**

	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°	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0
85°	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.6	6.4	6.1
82.5°	14.6	14.2	13.9	13.4	13.0	12.5	12.0	11.4	10.8	10.2	9.6
80°	21.3	20.9	20.4	19.8	19.2	18.6	17.9	17.1	16.3	15.5	14.6
77.5°	39.1	37.3	35.2	33.0	30.5	27.9	25.1	22.8	21.8	20.7	19.7
75°	81.6	76.2	70.2	63.6	56.4	48.6	43.8	40.2	36.4	32.3	28.1
72.5°	146.5	137.6	127.8	117.0	105.4	95.5	85.8	75.5	64.6	53.1	44.1
70°	246.6	229.2	209.9	188.8	171.9	157.4	142.0	125.6	108.3	93.5	79.8
67.5°	395.0	366.8	335.5	304.8	278.8	250.9	221.1	189.6	166.2	145.7	124.2
65°	586.0	547.8	505.4	466.6	425.0	380.2	332.5	291.3	254.1	215.1	176.8
62.5°	806.0	758.6	709.0	657.5	601.8	542.0	482.5	426.5	367.6	308.0	263.0
60°	1039.7	989.5	931.7	868.5	800.2	727.5	657.5	583.4	505.4	437.4	366.8
57.5°	1257.8	1210.2	1149.2	1082.7	1010.9	931.7	846.5	756.5	669.1	580.3	490.5
55°	1427.8	1383.6	1332.7	1277.2	1212.3	1128.6	1039.7	944.2	841.7	734.6	634.5
52.5°	1560.6	1521.5	1478.5	1431.7	1369.8	1300.4	1224.9	1123.6	1017.4	903.3	783.6
50°	1733.7	1677.5	1615.6	1552.9	1498.4	1440.2	1366.5	1283.1	1184.3	1065.6	940.7
47.5°	1968.3	1882.4	1788.0	1707.3	1629.3	1551.4	1485.3	1414.4	1321.1	1221.2	1089.9
45°	2192.8	2109.8	2017.1	1906.8	1788.6	1691.3	1597.4	1515.7	1438.5	1340.2	1233.5
42.5°	2457.8	2334.7	2220.8	2114.9	1997.9	1863.6	1733.3	1628.5	1531.1	1446.0	1340.2
40°	3485.0	2654.0	2473.4	2317.3	2185.0	2056.8	1909.1	1754.4	1638.9	1531.1	1438.5
37.5°	5627.1	4401.9	3428.0	2574.7	2396.9	2227.7	2084.7	1924.4	1754.4	1628.5	1515.7
35°	8490.1	6909.1	5278.9	3954.6	2767.9	2437.1	2242.0	2084.7	1909.1	1733.3	1597.4
32.5°	11718.0	9810.2	7783.6	5918.9	4221.2	2897.8	2437.1	2227.7	2056.8	1863.6	1691.3
30°	15184.6	12925.7	10618.3	8271.9	6134.2	4221.2	2767.9	2396.9	2185.0	1997.9	1788.6
27.5°	18934.3	16154.0	13545.7	10890.4	8271.9	5918.9	3954.6	2574.7	2317.3	2114.9	1906.8
25°	22975.0	19706.0	16525.3	13545.7	10618.3	7783.6	5278.9	3428.0	2473.4	2220.8	2017.1
22.5°	27296.0	23447.4	19706.0	16154.0	12925.7	9810.2	6909.1	4401.9	2654.0	2334.7	2109.8
20°	32165.1	27296.0	22975.0	18934.3	15184.6	11718.0	8490.1	5627.1	3485.0	2457.8	2192.8
17.5°	38560.7	31526.1	26186.5	21577.7	17420.3	13619.7	10099.7	6890.4	4234.6	2568.6	2267.4
15°	45474.6	36451.2	29642.1	24256.8	19542.3	15328.3	11531.3	8016.3	5004.0	2955.6	2354.2
12.5°	53711.5	41838.8	32774.9	26606.7	21465.9	16918.6	12865.9	9157.8	5895.1	3481.8	2431.6
10°	61261.4	47271.8	36528.2	29025.3	23277.0	18343.2	14006.1	10108.4	6635.4	3918.2	2495.7
7.5°	68877.2	52464.0	39884.9	30960.1	24718.5	19473.1	14908.0	10858.6	7218.6	4261.4	2546.0
5°	74535.3	56291.9	42345.4	32372.0	25766.8	20292.5	15560.7	11400.5	7639.3	4508.6	2582.3
2.5°	78026.8	58640.3	43848.4	33231.8	26403.5	20789.3	15955.7	11728.1	7893.3	4657.8	2604.1
0°	79207.7	59432.1	44354.1	33520.6	26617.1	20955.8	16088.0	11837.7	7978.3	4707.7	2611.4
-2.5°	78026.8	58640.3	43848.4	33231.8	26403.5	20789.3	15955.7	11728.1	7893.3	4657.8	2604.1
-5°	74535.3	56291.9	42345.4	32372.0	25766.8	20292.5	15560.7	11400.5	7639.3	4508.6	2582.3
-7.5°	68877.2	52464.0	39884.9	30960.1	24718.5	19473.1	14908.0	10858.6	7218.6	4261.4	2546.0
-10°	61261.4	47271.8	36528.2	29025.3	23277.0	18343.2	14006.1	10108.4	6635.4	3918.2	2495.7
-12.5°	53711.5	41838.8	32774.9	26606.7	21465.9	16918.6	12865.9	9157.8	5895.1	3481.8	2431.6
-15°	45474.6	36451.2	29642.1	24256.8	19542.3	15328.3	11531.3	8016.3	5004.0	2955.6	2354.2
-17.5°	38560.7	31526.1	26186.5	21577.7	17420.3	13619.7	10099.7	6890.4	4234.6	2568.6	2267.4
-20°	32165.1	27296.0	22975.0	18934.3	15184.6	11718.0	8490.1	5627.1	3485.0	2457.8	2192.8



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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°	27296.0	23447.4	19706.0	16154.0	12925.7	9810.2	6909.1	4401.9	2654.0	2334.7	2109.8
-25°	22975.0	19706.0	16525.3	13545.7	10618.3	7783.6	5278.9	3428.0	2473.4	2220.8	2017.1
-27.5°	18934.3	16154.0	13545.7	10890.4	8271.9	5918.9	3954.6	2574.7	2317.3	2114.9	1906.8
-30°	15184.6	12925.7	10618.3	8271.9	6134.2	4221.2	2767.9	2396.9	2185.0	1997.9	1788.6
-32.5°	11718.0	9810.2	7783.6	5918.9	4221.2	2897.8	2437.1	2227.7	2056.8	1863.6	1691.3
-35°	8490.1	6909.1	5278.9	3954.6	2767.9	2437.1	2242.0	2084.7	1909.1	1733.3	1597.4
-37.5°	5627.1	4401.9	3428.0	2574.7	2396.9	2227.7	2084.7	1924.4	1754.4	1628.5	1515.7
-40°	3485.0	2654.0	2473.4	2317.3	2185.0	2056.8	1909.1	1754.4	1638.9	1531.1	1438.5
-42.5°	2457.8	2334.7	2220.8	2114.9	1997.9	1863.6	1733.3	1628.5	1531.1	1446.0	1340.2
-45°	2192.8	2109.8	2017.1	1906.8	1788.6	1691.3	1597.4	1515.7	1438.5	1340.2	1233.5
-47.5°	1968.3	1882.4	1788.0	1707.3	1629.3	1551.4	1485.3	1414.4	1321.1	1221.2	1089.9
-50°	1733.7	1677.5	1615.6	1552.9	1498.4	1440.2	1366.5	1283.1	1184.3	1065.6	940.7
-52.5°	1560.6	1521.5	1478.5	1431.7	1369.8	1300.4	1224.9	1123.6	1017.4	903.3	783.6
-55°	1427.8	1383.6	1332.7	1277.2	1212.3	1128.6	1039.7	944.2	841.7	734.6	634.5
-57.5°	1257.8	1210.2	1149.2	1082.7	1010.9	931.7	846.5	756.5	669.1	580.3	490.5
-60°	1039.7	989.5	931.7	868.5	800.2	727.5	657.5	583.4	505.4	437.4	366.8
-62.5°	806.0	758.6	709.0	657.5	601.8	542.0	482.5	426.5	367.6	308.0	263.0
-65°	586.0	547.8	505.4	466.6	425.0	380.2	332.5	291.3	254.1	215.1	176.8
-67.5°	395.0	366.8	335.5	304.8	278.8	250.9	221.1	189.6	166.2	145.7	124.2
-70°	246.6	229.2	209.9	188.8	171.9	157.4	142.0	125.6	108.3	93.5	79.8
-72.5°	146.5	137.6	127.8	117.0	105.4	95.5	85.8	75.5	64.6	53.1	44.1
-75°	81.6	76.2	70.2	63.6	56.4	48.6	43.8	40.2	36.4	32.3	28.1
-77.5°	39.1	37.3	35.2	33.0	30.5	27.9	25.1	22.8	21.8	20.7	19.7
-80°	21.3	20.9	20.4	19.8	19.2	18.6	17.9	17.1	16.3	15.5	14.6
-82.5°	14.6	14.2	13.9	13.4	13.0	12.5	12.0	11.4	10.8	10.2	9.6
-85°	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.6	6.4	6.1
-87.5°	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	2.9	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.3
85°	5.8	5.6	5.3	4.9	4.6	4.3	4.0	3.6	3.3	2.9	2.6
82.5°	8.9	8.4	7.9	7.5	7.0	6.5	6.0	5.5	4.9	4.4	3.9
80°	13.7	12.8	11.8	10.8	9.7	8.7	8.0	7.3	6.6	5.9	5.2
77.5°	18.5	17.3	16.1	14.8	13.5	12.2	10.8	9.4	8.3	7.4	6.5
75°	23.7	21.9	20.4	18.9	17.3	15.7	14.1	12.4	10.7	8.9	7.8
72.5°	39.0	33.7	28.2	22.9	21.1	19.2	17.3	15.3	13.3	11.3	9.2
70°	65.5	50.7	41.7	35.2	28.5	22.7	20.5	18.2	16.0	13.6	11.3
67.5°	102.0	85.3	68.0	50.2	40.3	32.6	24.7	21.1	18.6	16.0	13.3
65°	151.9	126.2	100.3	80.6	60.2	43.4	34.7	25.8	21.1	18.2	15.3
62.5°	216.3	173.0	143.7	113.6	88.1	65.3	44.5	34.7	24.7	20.5	17.3
60°	299.4	246.6	192.0	154.3	120.6	90.7	65.3	43.4	32.6	22.7	19.2
57.5°	410.9	328.7	264.9	204.2	157.9	120.6	88.1	60.2	40.3	28.5	21.1
55°	531.0	437.6	346.4	271.0	204.2	154.3	113.6	80.6	50.2	35.2	22.9
52.5°	667.3	552.7	446.5	346.4	264.9	192.0	143.7	100.3	68.0	41.7	28.2
50°	808.3	678.3	552.7	437.6	328.7	246.6	173.0	126.2	85.3	50.7	33.7
47.5°	953.2	808.3	667.3	531.0	410.9	299.4	216.3	151.9	102.0	65.5	39.0
45°	1089.9	940.7	783.6	634.5	490.5	366.8	263.0	176.8	124.2	79.8	44.1
42.5°	1221.2	1065.6	903.3	734.6	580.3	437.4	308.0	215.1	145.7	93.5	53.1
40°	1321.1	1184.3	1017.4	841.7	669.1	505.4	367.6	254.1	166.2	108.3	64.6
37.5°	1414.4	1283.1	1123.6	944.2	756.5	583.4	426.5	291.3	189.6	125.6	75.5
35°	1485.3	1366.5	1224.9	1039.7	846.5	657.5	482.5	332.5	221.1	142.0	85.8
32.5°	1551.4	1440.2	1300.4	1128.6	931.7	727.5	542.0	380.2	250.9	157.4	95.5
30°	1629.3	1498.4	1369.8	1212.3	1010.9	800.2	601.8	425.0	278.8	171.9	105.4
27.5°	1707.3	1552.9	1431.7	1277.2	1082.7	868.5	657.5	466.6	304.8	188.8	117.0
25°	1788.0	1615.6	1478.5	1332.7	1149.2	931.7	709.0	505.4	335.5	209.9	127.8
22.5°	1882.4	1677.5	1521.5	1383.6	1210.2	989.5	758.6	547.8	366.8	229.2	137.6
20°	1968.3	1733.7	1560.6	1427.8	1257.8	1039.7	806.0	586.0	395.0	246.6	146.5
17.5°	2044.0	1793.9	1604.8	1459.8	1295.5	1084.5	848.1	620.0	420.2	262.0	154.3
15°	2104.5	1856.2	1645.4	1487.8	1328.4	1123.6	884.9	649.7	442.1	275.4	161.2
12.5°	2156.4	1909.5	1680.1	1511.7	1356.5	1156.9	916.3	674.9	460.7	286.9	167.0
10°	2199.3	1953.5	1708.7	1531.4	1379.6	1184.3	942.1	695.7	476.1	296.3	171.8
7.5°	2233.0	1988.1	1731.1	1546.8	1397.7	1205.8	962.3	711.9	488.0	303.6	175.5
5°	2257.1	2012.9	1747.2	1557.9	1410.7	1221.2	976.7	723.6	496.6	308.9	178.2
2.5°	2271.7	2027.8	1756.9	1564.6	1418.5	1230.4	985.4	730.6	501.8	312.0	179.8
0°	2276.6	2032.8	1760.1	1566.8	1421.1	1233.5	988.3	732.9	503.5	313.1	180.3
-2.5°	2271.7	2027.8	1756.9	1564.6	1418.5	1230.4	985.4	730.6	501.8	312.0	179.8
-5°	2257.1	2012.9	1747.2	1557.9	1410.7	1221.2	976.7	723.6	496.6	308.9	178.2
-7.5°	2233.0	1988.1	1731.1	1546.8	1397.7	1205.8	962.3	711.9	488.0	303.6	175.5
-10°	2199.3	1953.5	1708.7	1531.4	1379.6	1184.3	942.1	695.7	476.1	296.3	171.8
-12.5°	2156.4	1909.5	1680.1	1511.7	1356.5	1156.9	916.3	674.9	460.7	286.9	167.0
-15°	2104.5	1856.2	1645.4	1487.8	1328.4	1123.6	884.9	649.7	442.1	275.4	161.2
-17.5°	2044.0	1793.9	1604.8	1459.8	1295.5	1084.5	848.1	620.0	420.2	262.0	154.3
-20°	1968.3	1733.7	1560.6	1427.8	1257.8	1039.7	806.0	586.0	395.0	246.6	146.5



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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°	1882.4	1677.5	1521.5	1383.6	1210.2	989.5	758.6	547.8	366.8	229.2	137.6
-25°	1788.0	1615.6	1478.5	1332.7	1149.2	931.7	709.0	505.4	335.5	209.9	127.8
-27.5°	1707.3	1552.9	1431.7	1277.2	1082.7	868.5	657.5	466.6	304.8	188.8	117.0
-30°	1629.3	1498.4	1369.8	1212.3	1010.9	800.2	601.8	425.0	278.8	171.9	105.4
-32.5°	1551.4	1440.2	1300.4	1128.6	931.7	727.5	542.0	380.2	250.9	157.4	95.5
-35°	1485.3	1366.5	1224.9	1039.7	846.5	657.5	482.5	332.5	221.1	142.0	85.8
-37.5°	1414.4	1283.1	1123.6	944.2	756.5	583.4	426.5	291.3	189.6	125.6	75.5
-40°	1321.1	1184.3	1017.4	841.7	669.1	505.4	367.6	254.1	166.2	108.3	64.6
-42.5°	1221.2	1065.6	903.3	734.6	580.3	437.4	308.0	215.1	145.7	93.5	53.1
-45°	1089.9	940.7	783.6	634.5	490.5	366.8	263.0	176.8	124.2	79.8	44.1
-47.5°	953.2	808.3	667.3	531.0	410.9	299.4	216.3	151.9	102.0	65.5	39.0
-50°	808.3	678.3	552.7	437.6	328.7	246.6	173.0	126.2	85.3	50.7	33.7
-52.5°	667.3	552.7	446.5	346.4	264.9	192.0	143.7	100.3	68.0	41.7	28.2
-55°	531.0	437.6	346.4	271.0	204.2	154.3	113.6	80.6	50.2	35.2	22.9
-57.5°	410.9	328.7	264.9	204.2	157.9	120.6	88.1	60.2	40.3	28.5	21.1
-60°	299.4	246.6	192.0	154.3	120.6	90.7	65.3	43.4	32.6	22.7	19.2
-62.5°	216.3	173.0	143.7	113.6	88.1	65.3	44.5	34.7	24.7	20.5	17.3
-65°	151.9	126.2	100.3	80.6	60.2	43.4	34.7	25.8	21.1	18.2	15.3
-67.5°	102.0	85.3	68.0	50.2	40.3	32.6	24.7	21.1	18.6	16.0	13.3
-70°	65.5	50.7	41.7	35.2	28.5	22.7	20.5	18.2	16.0	13.6	11.3
-72.5°	39.0	33.7	28.2	22.9	21.1	19.2	17.3	15.3	13.3	11.3	9.2
-75°	23.7	21.9	20.4	18.9	17.3	15.7	14.1	12.4	10.7	8.9	7.8
-77.5°	18.5	17.3	16.1	14.8	13.5	12.2	10.8	9.4	8.3	7.4	6.5
-80°	13.7	12.8	11.8	10.8	9.7	8.7	8.0	7.3	6.6	5.9	5.2
-82.5°	8.9	8.4	7.9	7.5	7.0	6.5	6.0	5.5	4.9	4.4	3.9
-85°	5.8	5.6	5.3	4.9	4.6	4.3	4.0	3.6	3.3	2.9	2.6
-87.5°	2.9	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.3
-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	0.6	0.4	0.2	0.0
85°	2.2	1.9	1.5	1.1	0.7	0.4	0.0
82.5°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
80°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
77.5°	5.6	4.6	3.7	2.8	1.9	0.9	0.0
75°	6.7	5.6	4.4	3.3	2.2	1.1	0.0
72.5°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
70°	8.9	7.4	5.9	4.4	2.9	1.5	0.0
67.5°	10.7	8.3	6.6	4.9	3.3	1.6	0.0
65°	12.4	9.4	7.3	5.5	3.6	1.8	0.0
62.5°	14.1	10.8	8.0	6.0	4.0	2.0	0.0
60°	15.7	12.2	8.7	6.5	4.3	2.1	0.0
57.5°	17.3	13.5	9.7	7.0	4.6	2.3	0.0
55°	18.9	14.8	10.8	7.5	4.9	2.5	0.0
52.5°	20.4	16.1	11.8	7.9	5.3	2.6	0.0
50°	21.9	17.3	12.8	8.4	5.6	2.8	0.0
47.5°	23.7	18.5	13.7	8.9	5.8	2.9	0.0
45°	28.1	19.7	14.6	9.6	6.1	3.0	0.0
42.5°	32.3	20.7	15.5	10.2	6.4	3.2	0.0
40°	36.4	21.8	16.3	10.8	6.6	3.3	0.0
37.5°	40.2	22.8	17.1	11.4	6.9	3.4	0.0
35°	43.8	25.1	17.9	12.0	7.1	3.5	0.0
32.5°	48.6	27.9	18.6	12.5	7.3	3.6	0.0
30°	56.4	30.5	19.2	13.0	7.5	3.7	0.0
27.5°	63.6	33.0	19.8	13.4	7.7	3.8	0.0
25°	70.2	35.2	20.4	13.9	7.9	3.9	0.0
22.5°	76.2	37.3	20.9	14.2	8.0	4.0	0.0
20°	81.6	39.1	21.3	14.6	8.2	4.0	0.0
17.5°	86.5	40.8	21.8	14.9	8.3	4.1	0.0
15°	90.7	42.2	22.1	15.2	8.4	4.2	0.0
12.5°	94.2	43.4	22.4	15.4	8.5	4.2	0.0
10°	97.2	44.4	22.7	15.6	8.6	4.2	0.0
7.5°	99.4	45.2	22.9	15.7	8.6	4.3	0.0
5°	101.1	45.8	23.0	15.8	8.7	4.3	0.0
2.5°	102.1	46.1	23.1	15.9	8.7	4.3	0.0
0°	102.4	46.2	23.1	15.9	8.7	4.3	0.0
-2.5°	102.1	46.1	23.1	15.9	8.7	4.3	0.0
-5°	101.1	45.8	23.0	15.8	8.7	4.3	0.0
-7.5°	99.4	45.2	22.9	15.7	8.6	4.3	0.0
-10°	97.2	44.4	22.7	15.6	8.6	4.2	0.0
-12.5°	94.2	43.4	22.4	15.4	8.5	4.2	0.0
-15°	90.7	42.2	22.1	15.2	8.4	4.2	0.0
-17.5°	86.5	40.8	21.8	14.9	8.3	4.1	0.0
-20°	81.6	39.1	21.3	14.6	8.2	4.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	76.2	37.3	20.9	14.2	8.0	4.0	0.0
-25°	70.2	35.2	20.4	13.9	7.9	3.9	0.0
-27.5°	63.6	33.0	19.8	13.4	7.7	3.8	0.0
-30°	56.4	30.5	19.2	13.0	7.5	3.7	0.0
-32.5°	48.6	27.9	18.6	12.5	7.3	3.6	0.0
-35°	43.8	25.1	17.9	12.0	7.1	3.5	0.0
-37.5°	40.2	22.8	17.1	11.4	6.9	3.4	0.0
-40°	36.4	21.8	16.3	10.8	6.6	3.3	0.0
-42.5°	32.3	20.7	15.5	10.2	6.4	3.2	0.0
-45°	28.1	19.7	14.6	9.6	6.1	3.0	0.0
-47.5°	23.7	18.5	13.7	8.9	5.8	2.9	0.0
-50°	21.9	17.3	12.8	8.4	5.6	2.8	0.0
-52.5°	20.4	16.1	11.8	7.9	5.3	2.6	0.0
-55°	18.9	14.8	10.8	7.5	4.9	2.5	0.0
-57.5°	17.3	13.5	9.7	7.0	4.6	2.3	0.0
-60°	15.7	12.2	8.7	6.5	4.3	2.1	0.0
-62.5°	14.1	10.8	8.0	6.0	4.0	2.0	0.0
-65°	12.4	9.4	7.3	5.5	3.6	1.8	0.0
-67.5°	10.7	8.3	6.6	4.9	3.3	1.6	0.0
-70°	8.9	7.4	5.9	4.4	2.9	1.5	0.0
-72.5°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
-75°	6.7	5.6	4.4	3.3	2.2	1.1	0.0
-77.5°	5.6	4.6	3.7	2.8	1.9	0.9	0.0
-80°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
-82.5°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
-85°	2.2	1.9	1.5	1.1	0.7	0.4	0.0
-87.5°	1.1	0.9	0.7	0.6	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)