

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: P1305923 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-80-1S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305923 (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-40-80-1S-HEG-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

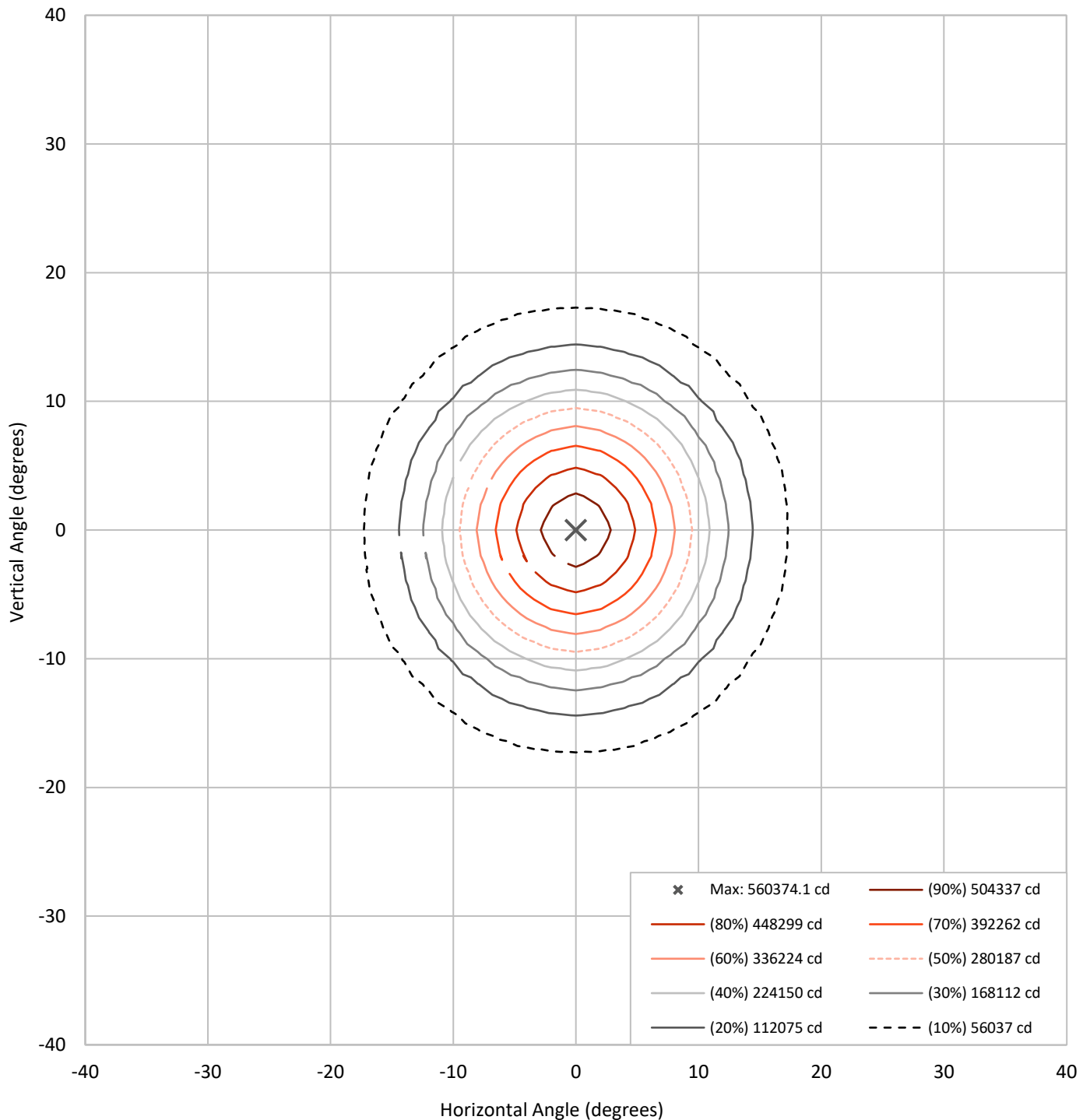
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	75911.4 lumens	Max Intensity:	560374.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	134.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	32718.8 lumens	Field Lumens:	60275.1 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





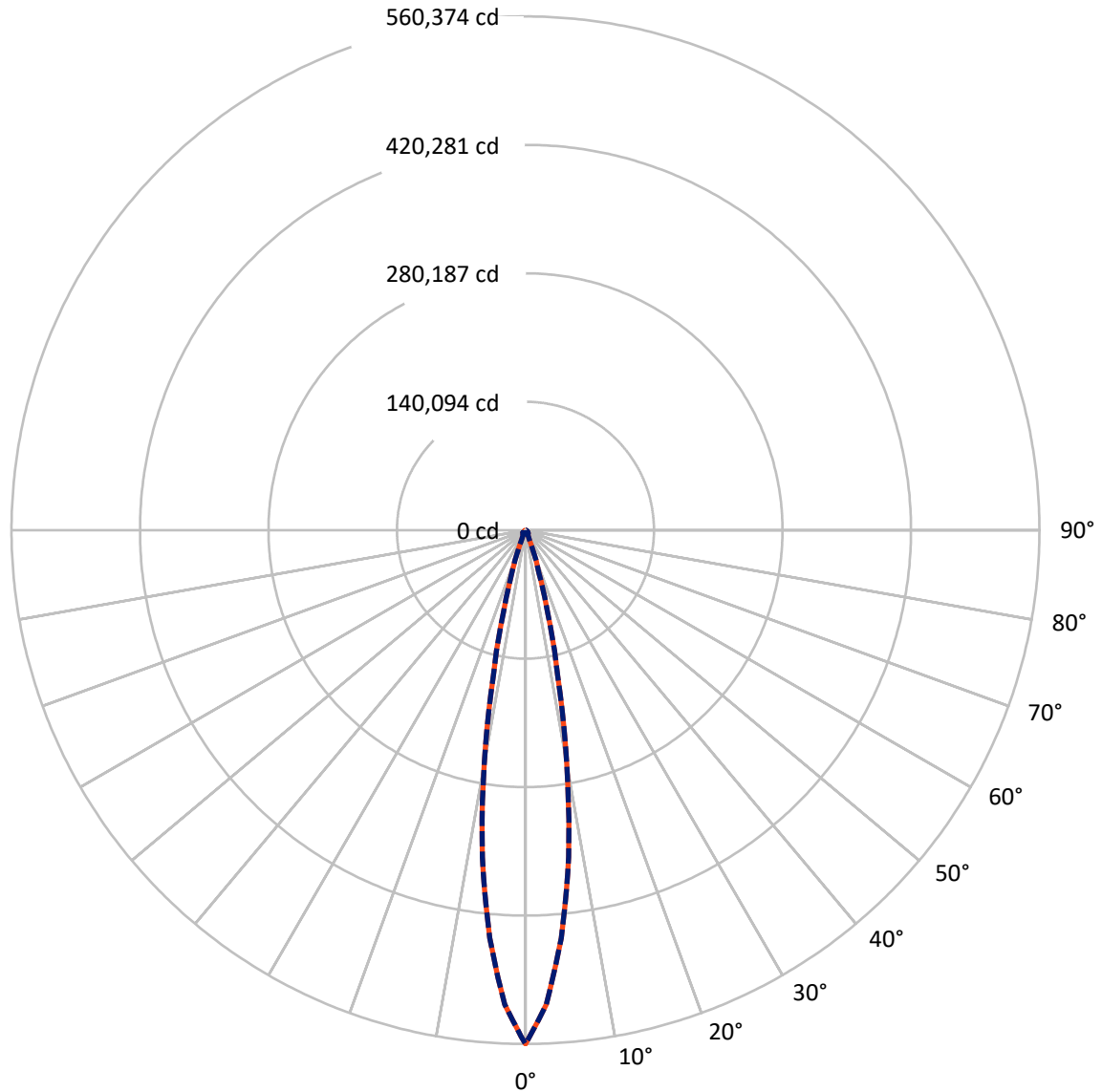
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### Lumen Table

90	0.1	0.7	2.6	6.6	8.7	6.6	2.6	0.7	0.1							
80	0.1	0.7	2.6	6.6	8.7	6.6	2.6	0.7	0.1							
70	0.3	0.4	1.6	4.7	9.6	14.8	19.2	21.6	21.6	19.2	14.8	9.6	4.7	1.6	0.4	0.3
60		1.2	5.6	13.8	23.7	32.0	37.4	40.3	40.3	37.4	32.0	23.7	13.8	5.6	1.2	
50	0.9	2.9	11.2	23.4	34.2	58.0	91.3	109.7	109.7	91.3	58.0	34.2	23.4	11.2	2.9	0.9
40		5.1	16.7	29.6	70.0	119.9	132.4	132.6	132.6	132.4	119.9	70.0	29.6	16.7	5.1	
30	1.9	7.1	20.4	45.8	108.4	120.1	131.9	228.7	228.7	131.9	120.1	108.4	45.8	20.4	7.1	1.9
20		8.7	22.4	67.8	112.2	124.0	724.9	2706.9	2706.9	724.9	124.0	112.2	67.8	22.4	8.7	
10	2.4	9.4	23.4	78.8	108.9	210.4	2641.3	10394.7	10394.7	2641.3	210.4	108.9	78.8	23.4	9.4	2.4
0		9.4	23.4	78.8	108.9	210.4	2641.3	10394.7	10394.7	2641.3	210.4	108.9	78.8	23.4	9.4	
-10	1.9	8.7	22.4	67.8	112.2	124.0	724.9	2706.9	2706.9	724.9	124.0	112.2	67.8	22.4	8.7	1.9
-20		7.1	20.4	45.8	108.4	120.1	131.9	228.7	228.7	131.9	120.1	108.4	45.8	20.4	7.1	
-30	0.9	5.1	16.7	29.6	70.0	119.9	132.4	132.6	132.6	132.4	119.9	70.0	29.6	16.7	5.1	0.9
-40		2.9	11.2	23.4	34.2	58.0	91.3	109.7	109.7	91.3	58.0	34.2	23.4	11.2	2.9	
-50	0.3	1.2	5.6	13.8	23.7	32.0	37.4	40.3	40.3	37.4	32.0	23.7	13.8	5.6	1.2	0.3
-60		0.4	1.6	4.7	9.6	14.8	19.2	21.6	21.6	19.2	14.8	9.6	4.7	1.6	0.4	
-70	0.1	0.7	2.6	6.6	8.7	6.6	2.6	0.7	0.1							
-80		0.1	0.7	2.6	6.6	8.7	6.6	2.6	0.7	0.1						
-90	0.1	0.7	2.6	6.6	8.7	6.6	2.6	0.7	0.1							

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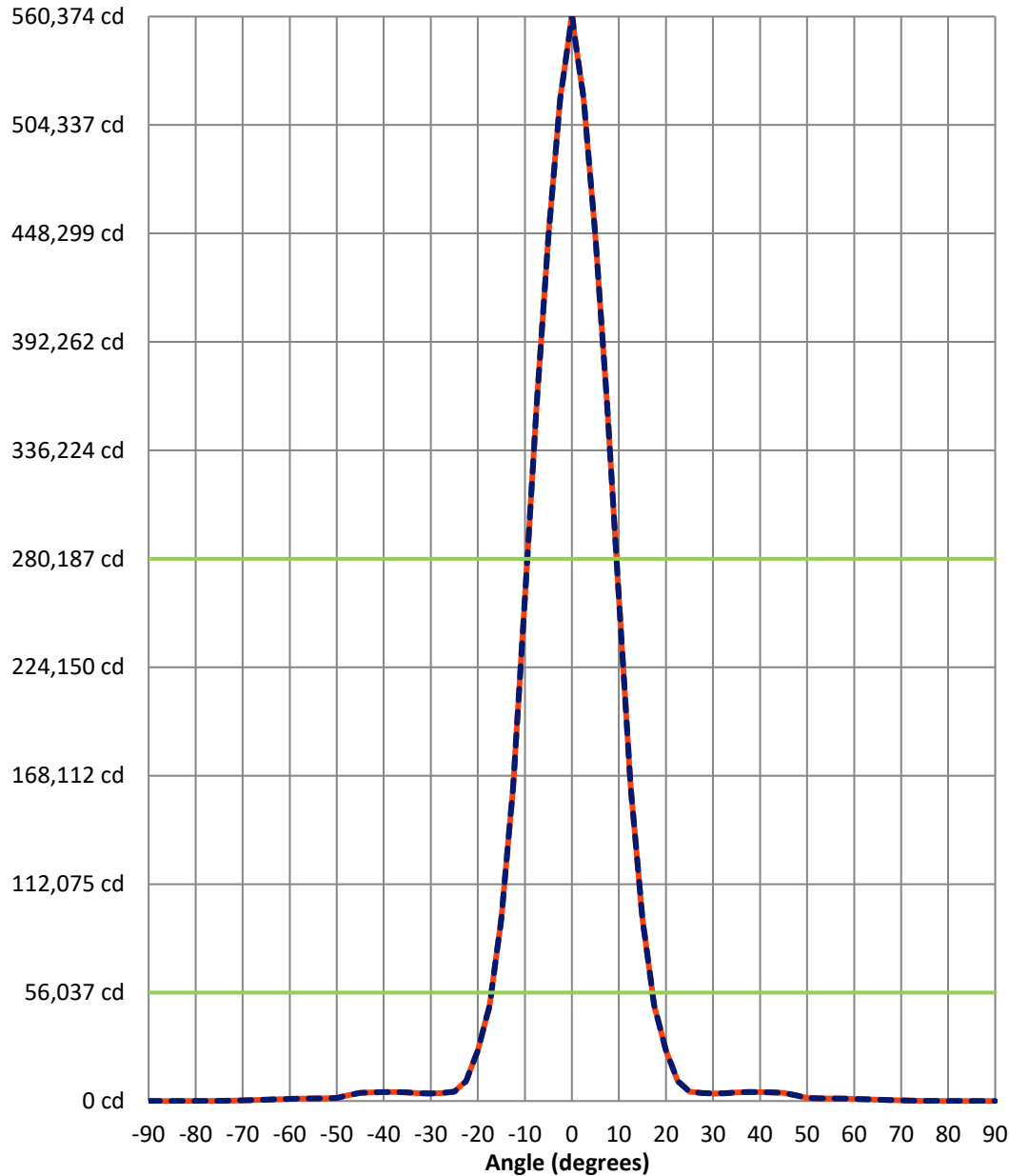
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 19°  
 V Angle: 19°  
 Lumens: 32718.8  
 Efficiency: 43.1%

**Field:**  
 H Angle: 34.3°  
 V Angle: 34.3°  
 Lumens: 60275.1  
 Efficiency: 79.4%

**Spill:**  
 Lumens: 15636.2  
 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	0.9	1.2	1.4	1.6	1.8	2.1	2.3
85°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.6
82.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.5	6.0	6.5
80°	0.0	0.9	1.9	2.8	3.7	4.7	5.5	6.2	6.8	7.5	8.1
77.5°	0.0	1.2	2.3	3.5	4.7	5.7	6.5	7.4	8.2	9.0	10.2
75°	0.0	1.4	2.8	4.2	5.5	6.5	7.5	8.5	9.7	11.6	13.5
72.5°	0.0	1.6	3.2	4.9	6.2	7.4	8.5	10.0	12.3	14.5	16.8
70°	0.0	1.8	3.7	5.5	6.8	8.2	9.7	12.3	14.9	17.5	20.4
67.5°	0.0	2.1	4.1	6.0	7.5	9.0	11.6	14.5	17.5	20.9	24.2
65°	0.0	2.3	4.6	6.5	8.1	10.2	13.5	16.8	20.4	24.2	28.7
62.5°	0.0	2.5	5.0	6.9	8.8	11.8	15.4	19.2	23.4	27.9	34.9
60°	0.0	2.7	5.4	7.4	9.4	13.3	17.2	21.7	26.2	33.4	41.0
57.5°	0.0	2.9	5.7	7.8	10.5	14.8	19.3	24.2	30.6	38.8	56.3
55°	0.0	3.1	6.0	8.3	11.7	16.2	21.3	26.5	35.3	46.8	75.7
52.5°	0.0	3.3	6.3	8.7	12.8	17.7	23.3	30.3	39.8	63.8	94.6
50°	0.0	3.5	6.5	9.1	13.9	19.3	25.2	34.2	47.2	80.3	130.2
47.5°	0.0	3.6	6.8	9.6	15.0	20.8	27.3	37.9	61.4	96.2	166.6
45°	0.0	3.8	7.1	10.3	16.0	22.3	30.3	41.5	75.0	127.4	201.8
42.5°	0.0	4.0	7.3	11.1	16.9	23.7	33.2	49.5	88.1	157.7	245.7
40°	0.0	4.1	7.5	11.8	17.9	25.1	36.0	60.5	104.9	186.7	289.5
37.5°	0.0	4.3	7.7	12.4	19.0	26.4	38.7	70.9	129.4	217.1	331.2
35°	0.0	4.4	8.0	13.0	19.9	28.2	41.2	80.7	152.5	252.5	372.3
32.5°	0.0	4.6	8.1	13.6	20.9	30.1	45.2	90.0	174.4	285.9	413.3
30°	0.0	4.7	8.3	14.2	21.7	32.0	52.6	100.8	194.8	317.2	451.8
27.5°	0.0	4.8	8.5	14.7	22.5	33.7	59.5	117.3	216.3	346.3	487.6
25°	0.0	4.9	8.6	15.1	23.2	35.3	65.8	132.5	239.9	374.8	521.0
22.5°	0.0	5.0	8.8	15.6	23.9	36.7	71.6	146.4	261.5	401.8	557.4
20°	0.0	5.1	8.9	15.9	24.5	38.0	76.8	158.9	281.0	426.1	590.2
17.5°	0.0	5.1	9.0	16.3	25.0	39.1	81.4	170.0	298.3	447.7	619.5
15°	0.0	5.2	9.1	16.6	25.5	40.1	85.4	179.6	313.4	466.5	645.0
12.5°	0.0	5.3	9.2	16.8	25.9	41.0	88.8	187.9	326.2	482.5	666.7
10°	0.0	5.3	9.3	17.0	26.2	41.7	91.6	194.6	336.7	495.7	684.6
7.5°	0.0	5.4	9.3	17.2	26.5	42.2	93.8	199.9	345.0	506.0	698.6
5°	0.0	5.4	9.4	17.3	26.7	42.6	95.3	203.7	350.9	513.4	708.6
2.5°	0.0	5.4	9.4	17.4	26.8	42.8	96.3	205.9	354.4	517.8	714.6
0°	0.0	5.4	9.4	17.4	26.8	42.9	96.6	206.7	355.6	519.3	716.6
-2.5°	0.0	5.4	9.4	17.4	26.8	42.8	96.3	205.9	354.4	517.8	714.6
-5°	0.0	5.4	9.4	17.3	26.7	42.6	95.3	203.7	350.9	513.4	708.6
-7.5°	0.0	5.4	9.3	17.2	26.5	42.2	93.8	199.9	345.0	506.0	698.6
-10°	0.0	5.3	9.3	17.0	26.2	41.7	91.6	194.6	336.7	495.7	684.6
-12.5°	0.0	5.3	9.2	16.8	25.9	41.0	88.8	187.9	326.2	482.5	666.7
-15°	0.0	5.2	9.1	16.6	25.5	40.1	85.4	179.6	313.4	466.5	645.0
-17.5°	0.0	5.1	9.0	16.3	25.0	39.1	81.4	170.0	298.3	447.7	619.5
-20°	0.0	5.1	8.9	15.9	24.5	38.0	76.8	158.9	281.0	426.1	590.2



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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	5.0	8.8	15.6	23.9	36.7	71.6	146.4	261.5	401.8	557.4
-25°	0.0	4.9	8.6	15.1	23.2	35.3	65.8	132.5	239.9	374.8	521.0
-27.5°	0.0	4.8	8.5	14.7	22.5	33.7	59.5	117.3	216.3	346.3	487.6
-30°	0.0	4.7	8.3	14.2	21.7	32.0	52.6	100.8	194.8	317.2	451.8
-32.5°	0.0	4.6	8.1	13.6	20.9	30.1	45.2	90.0	174.4	285.9	413.3
-35°	0.0	4.4	8.0	13.0	19.9	28.2	41.2	80.7	152.5	252.5	372.3
-37.5°	0.0	4.3	7.7	12.4	19.0	26.4	38.7	70.9	129.4	217.1	331.2
-40°	0.0	4.1	7.5	11.8	17.9	25.1	36.0	60.5	104.9	186.7	289.5
-42.5°	0.0	4.0	7.3	11.1	16.9	23.7	33.2	49.5	88.1	157.7	245.7
-45°	0.0	3.8	7.1	10.3	16.0	22.3	30.3	41.5	75.0	127.4	201.8
-47.5°	0.0	3.6	6.8	9.6	15.0	20.8	27.3	37.9	61.4	96.2	166.6
-50°	0.0	3.5	6.5	9.1	13.9	19.3	25.2	34.2	47.2	80.3	130.2
-52.5°	0.0	3.3	6.3	8.7	12.8	17.7	23.3	30.3	39.8	63.8	94.6
-55°	0.0	3.1	6.0	8.3	11.7	16.2	21.3	26.5	35.3	46.8	75.7
-57.5°	0.0	2.9	5.7	7.8	10.5	14.8	19.3	24.2	30.6	38.8	56.3
-60°	0.0	2.7	5.4	7.4	9.4	13.3	17.2	21.7	26.2	33.4	41.0
-62.5°	0.0	2.5	5.0	6.9	8.8	11.8	15.4	19.2	23.4	27.9	34.9
-65°	0.0	2.3	4.6	6.5	8.1	10.2	13.5	16.8	20.4	24.2	28.7
-67.5°	0.0	2.1	4.1	6.0	7.5	9.0	11.6	14.5	17.5	20.9	24.2
-70°	0.0	1.8	3.7	5.5	6.8	8.2	9.7	12.3	14.9	17.5	20.4
-72.5°	0.0	1.6	3.2	4.9	6.2	7.4	8.5	10.0	12.3	14.5	16.8
-75°	0.0	1.4	2.8	4.2	5.5	6.5	7.5	8.5	9.7	11.6	13.5
-77.5°	0.0	1.2	2.3	3.5	4.7	5.7	6.5	7.4	8.2	9.0	10.2
-80°	0.0	0.9	1.9	2.8	3.7	4.7	5.5	6.2	6.8	7.5	8.1
-82.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.5	6.0	6.5
-85°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.6
-87.5°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
-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):**

	-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°	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.3
85°	5.0	5.4	5.7	6.0	6.3	6.5	6.8	7.1	7.3	7.5	7.7
82.5°	6.9	7.4	7.8	8.3	8.7	9.1	9.6	10.3	11.1	11.8	12.4
80°	8.8	9.4	10.5	11.7	12.8	13.9	15.0	16.0	16.9	17.9	19.0
77.5°	11.8	13.3	14.8	16.2	17.7	19.3	20.8	22.3	23.7	25.1	26.4
75°	15.4	17.2	19.3	21.3	23.3	25.2	27.3	30.3	33.2	36.0	38.7
72.5°	19.2	21.7	24.2	26.5	30.3	34.2	37.9	41.5	49.5	60.5	70.9
70°	23.4	26.2	30.6	35.3	39.8	47.2	61.4	75.0	88.1	104.9	129.4
67.5°	27.9	33.4	38.8	46.8	63.8	80.3	96.2	127.4	157.7	186.7	217.1
65°	34.9	41.0	56.3	75.7	94.6	130.2	166.6	201.8	245.7	289.5	331.2
62.5°	41.7	61.1	83.0	112.4	155.0	196.4	247.0	299.4	349.9	402.4	453.1
60°	61.1	85.4	122.3	170.0	219.9	281.0	340.3	401.8	462.4	521.0	588.0
57.5°	83.0	122.3	175.0	233.5	301.5	369.0	439.7	508.1	585.4	661.8	735.4
55°	112.4	170.0	233.5	308.4	384.2	462.6	542.9	632.0	718.0	803.5	885.4
52.5°	155.0	219.9	301.5	384.2	470.3	561.6	660.2	757.1	852.7	943.1	1025.0
50°	196.4	281.0	369.0	462.6	561.6	669.6	776.8	882.6	980.3	1071.9	1153.4
47.5°	247.0	340.3	439.7	542.9	660.2	776.8	892.6	999.0	1100.3	1186.8	1268.9
45°	299.4	401.8	508.1	632.0	757.1	882.6	999.0	1109.8	1203.6	1281.2	1309.7
42.5°	349.9	462.4	585.4	718.0	852.7	980.3	1100.3	1203.6	1284.0	1315.3	1351.6
40°	402.4	521.0	661.8	803.5	943.1	1071.9	1186.8	1281.2	1315.3	1355.5	1398.9
37.5°	453.1	588.0	735.4	885.4	1025.0	1153.4	1268.9	1309.7	1351.6	1398.9	1528.8
35°	501.3	651.7	807.4	960.3	1103.1	1226.8	1298.5	1340.0	1390.9	1516.9	1913.6
32.5°	552.4	712.0	875.4	1028.9	1168.7	1281.8	1322.8	1375.2	1481.4	1752.1	2741.4
30°	603.8	770.4	938.1	1093.5	1229.7	1303.3	1351.9	1423.2	1585.9	2494.3	3454.2
27.5°	651.7	824.9	993.5	1148.2	1278.7	1323.4	1381.2	1515.0	2088.4	3170.0	4089.1
25°	696.0	875.4	1044.8	1197.0	1296.0	1346.8	1422.7	1600.8	2701.9	3727.3	4317.5
22.5°	737.2	921.5	1091.8	1241.8	1311.8	1370.0	1496.0	2058.8	3232.3	4225.4	4433.5
20°	775.0	960.3	1131.2	1277.3	1326.2	1391.1	1562.9	2539.7	3671.9	4324.3	4512.2
17.5°	808.6	994.8	1164.3	1289.1	1342.8	1427.2	1677.9	2971.6	4067.5	4413.6	4570.2
15°	838.0	1025.0	1193.3	1299.4	1358.0	1475.7	2028.4	3301.8	4261.3	4483.5	4620.7
12.5°	863.1	1050.7	1218.0	1308.2	1371.0	1517.1	2328.8	3578.2	4323.9	4524.5	4634.6
10°	883.7	1071.9	1238.3	1315.5	1381.7	1551.4	2577.1	3807.1	4375.9	4558.5	4646.1
7.5°	899.8	1088.4	1254.2	1321.1	1390.1	1578.2	2772.0	3986.9	4416.8	4585.3	4655.3
5°	911.3	1100.3	1265.6	1325.2	1396.2	1597.5	2912.1	4116.2	4446.2	4604.6	4661.9
2.5°	918.3	1107.4	1272.5	1327.7	1399.8	1609.1	2996.5	4194.2	4464.0	4616.3	4665.9
0°	920.6	1109.8	1274.8	1328.5	1401.0	1613.0	3024.7	4220.3	4469.9	4620.2	4667.2
-2.5°	918.3	1107.4	1272.5	1327.7	1399.8	1609.1	2996.5	4194.2	4464.0	4616.3	4665.9
-5°	911.3	1100.3	1265.6	1325.2	1396.2	1597.5	2912.1	4116.2	4446.2	4604.6	4661.9
-7.5°	899.8	1088.4	1254.2	1321.1	1390.1	1578.2	2772.0	3986.9	4416.8	4585.3	4655.3
-10°	883.7	1071.9	1238.3	1315.5	1381.7	1551.4	2577.1	3807.1	4375.9	4558.5	4646.1
-12.5°	863.1	1050.7	1218.0	1308.2	1371.0	1517.1	2328.8	3578.2	4323.9	4524.5	4634.6
-15°	838.0	1025.0	1193.3	1299.4	1358.0	1475.7	2028.4	3301.8	4261.3	4483.5	4620.7
-17.5°	808.6	994.8	1164.3	1289.1	1342.8	1427.2	1677.9	2971.6	4067.5	4413.6	4570.2
-20°	775.0	960.3	1131.2	1277.3	1326.2	1391.1	1562.9	2539.7	3671.9	4324.3	4512.2



REPORT NUMBER: P1305923 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	737.2	921.5	1091.8	1241.8	1311.8	1370.0	1496.0	2058.8	3232.3	4225.4	4433.5
-25°	696.0	875.4	1044.8	1197.0	1296.0	1346.8	1422.7	1600.8	2701.9	3727.3	4317.5
-27.5°	651.7	824.9	993.5	1148.2	1278.7	1323.4	1381.2	1515.0	2088.4	3170.0	4089.1
-30°	603.8	770.4	938.1	1093.5	1229.7	1303.3	1351.9	1423.2	1585.9	2494.3	3454.2
-32.5°	552.4	712.0	875.4	1028.9	1168.7	1281.8	1322.8	1375.2	1481.4	1752.1	2741.4
-35°	501.3	651.7	807.4	960.3	1103.1	1226.8	1298.5	1340.0	1390.9	1516.9	1913.6
-37.5°	453.1	588.0	735.4	885.4	1025.0	1153.4	1268.9	1309.7	1351.6	1398.9	1528.8
-40°	402.4	521.0	661.8	803.5	943.1	1071.9	1186.8	1281.2	1315.3	1355.5	1398.9
-42.5°	349.9	462.4	585.4	718.0	852.7	980.3	1100.3	1203.6	1284.0	1315.3	1351.6
-45°	299.4	401.8	508.1	632.0	757.1	882.6	999.0	1109.8	1203.6	1281.2	1309.7
-47.5°	247.0	340.3	439.7	542.9	660.2	776.8	892.6	999.0	1100.3	1186.8	1268.9
-50°	196.4	281.0	369.0	462.6	561.6	669.6	776.8	882.6	980.3	1071.9	1153.4
-52.5°	155.0	219.9	301.5	384.2	470.3	561.6	660.2	757.1	852.7	943.1	1025.0
-55°	112.4	170.0	233.5	308.4	384.2	462.6	542.9	632.0	718.0	803.5	885.4
-57.5°	83.0	122.3	175.0	233.5	301.5	369.0	439.7	508.1	585.4	661.8	735.4
-60°	61.1	85.4	122.3	170.0	219.9	281.0	340.3	401.8	462.4	521.0	588.0
-62.5°	41.7	61.1	83.0	112.4	155.0	196.4	247.0	299.4	349.9	402.4	453.1
-65°	34.9	41.0	56.3	75.7	94.6	130.2	166.6	201.8	245.7	289.5	331.2
-67.5°	27.9	33.4	38.8	46.8	63.8	80.3	96.2	127.4	157.7	186.7	217.1
-70°	23.4	26.2	30.6	35.3	39.8	47.2	61.4	75.0	88.1	104.9	129.4
-72.5°	19.2	21.7	24.2	26.5	30.3	34.2	37.9	41.5	49.5	60.5	70.9
-75°	15.4	17.2	19.3	21.3	23.3	25.2	27.3	30.3	33.2	36.0	38.7
-77.5°	11.8	13.3	14.8	16.2	17.7	19.3	20.8	22.3	23.7	25.1	26.4
-80°	8.8	9.4	10.5	11.7	12.8	13.9	15.0	16.0	16.9	17.9	19.0
-82.5°	6.9	7.4	7.8	8.3	8.7	9.1	9.6	10.3	11.1	11.8	12.4
-85°	5.0	5.4	5.7	6.0	6.3	6.5	6.8	7.1	7.3	7.5	7.7
-87.5°	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.3
-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: P1305923 (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°	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3
85°	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3
82.5°	13.0	13.6	14.2	14.7	15.1	15.6	15.9	16.3	16.6	16.8	17.0
80°	19.9	20.9	21.7	22.5	23.2	23.9	24.5	25.0	25.5	25.9	26.2
77.5°	28.2	30.1	32.0	33.7	35.3	36.7	38.0	39.1	40.1	41.0	41.7
75°	41.2	45.2	52.6	59.5	65.8	71.6	76.8	81.4	85.4	88.8	91.6
72.5°	80.7	90.0	100.8	117.3	132.5	146.4	158.9	170.0	179.6	187.9	194.6
70°	152.5	174.4	194.8	216.3	239.9	261.5	281.0	298.3	313.4	326.2	336.7
67.5°	252.5	285.9	317.2	346.3	374.8	401.8	426.1	447.7	466.5	482.5	495.7
65°	372.3	413.3	451.8	487.6	521.0	557.4	590.2	619.5	645.0	666.7	684.6
62.5°	501.3	552.4	603.8	651.7	696.0	737.2	775.0	808.6	838.0	863.1	883.7
60°	651.7	712.0	770.4	824.9	875.4	921.5	960.3	994.8	1025.0	1050.7	1071.9
57.5°	807.4	875.4	938.1	993.5	1044.8	1091.8	1131.2	1164.3	1193.3	1218.0	1238.3
55°	960.3	1028.9	1093.5	1148.2	1197.0	1241.8	1277.3	1289.1	1299.4	1308.2	1315.5
52.5°	1103.1	1168.7	1229.7	1278.7	1296.0	1311.8	1326.2	1342.8	1358.0	1371.0	1381.7
50°	1226.8	1281.8	1303.3	1323.4	1346.8	1370.0	1391.1	1427.2	1475.7	1517.1	1551.4
47.5°	1298.5	1322.8	1351.9	1381.2	1422.7	1496.0	1562.9	1677.9	2028.4	2328.8	2577.1
45°	1340.0	1375.2	1423.2	1515.0	1600.8	2058.8	2539.7	2971.6	3301.8	3578.2	3807.1
42.5°	1390.9	1481.4	1585.9	2088.4	2701.9	3232.3	3671.9	4067.5	4261.3	4323.9	4375.9
40°	1516.9	1752.1	2494.3	3170.0	3727.3	4225.4	4324.3	4413.6	4483.5	4524.5	4558.5
37.5°	1913.6	2741.4	3454.2	4089.1	4317.5	4433.5	4512.2	4570.2	4620.7	4634.6	4646.1
35°	2824.3	3598.0	4238.9	4380.2	4496.1	4571.1	4626.4	4646.0	4663.5	4613.6	4554.2
32.5°	3598.0	4254.4	4412.0	4525.6	4611.3	4642.5	4665.7	4574.4	4485.4	4373.0	4248.1
30°	4238.9	4412.0	4535.5	4623.8	4652.3	4610.5	4492.9	4329.0	4142.9	4009.2	3974.4
27.5°	4380.2	4525.6	4623.8	4655.7	4578.2	4440.0	4196.2	4007.1	3955.6	3910.5	4003.0
25°	4496.1	4611.3	4652.3	4578.2	4407.5	4128.6	3980.2	3918.6	4026.7	4147.3	4372.7
22.5°	4571.1	4642.5	4610.5	4440.0	4128.6	3971.2	3936.4	4099.2	4367.7	4720.1	5943.8
20°	4626.4	4665.7	4492.9	4196.2	3980.2	3936.4	4123.8	4505.7	5291.4	8281.5	11819.8
17.5°	4646.0	4574.4	4329.0	4007.1	3918.6	4099.2	4505.7	5862.9	9493.5	17364.5	25668.1
15°	4663.5	4485.4	4142.9	3955.6	4026.7	4367.7	5291.4	9493.5	19266.3	31424.3	45075.7
12.5°	4613.6	4373.0	4009.2	3910.5	4147.3	4720.1	8281.5	17364.5	31424.3	48391.3	77130.8
10°	4554.2	4248.1	3974.4	4003.0	4372.7	5943.8	11819.8	25668.1	45075.7	77130.8	116149.8
7.5°	4507.3	4149.0	3946.8	4077.5	4592.3	7828.7	17905.0	35513.7	63204.5	105414.3	163092.3
5°	4473.3	4077.2	3926.6	4131.8	4753.2	9218.2	22426.0	43079.2	80094.1	133963.2	210897.1
2.5°	4452.7	4033.6	3914.4	4164.9	4851.5	10070.7	25215.7	47785.9	90728.2	154546.7	246661.3
0°	4445.8	4019.0	3910.3	4176.0	4884.6	10358.2	26159.3	49385.1	94366.1	162356.9	259436.3
-2.5°	4452.7	4033.6	3914.4	4164.9	4851.5	10070.7	25215.7	47785.9	90728.2	154546.7	246661.3
-5°	4473.3	4077.2	3926.6	4131.8	4753.2	9218.2	22426.0	43079.2	80094.1	133963.2	210897.1
-7.5°	4507.3	4149.0	3946.8	4077.5	4592.3	7828.7	17905.0	35513.7	63204.5	105414.3	163092.3
-10°	4554.2	4248.1	3974.4	4003.0	4372.7	5943.8	11819.8	25668.1	45075.7	77130.8	116149.8
-12.5°	4613.6	4373.0	4009.2	3910.5	4147.3	4720.1	8281.5	17364.5	31424.3	48391.3	77130.8
-15°	4663.5	4485.4	4142.9	3955.6	4026.7	4367.7	5291.4	9493.5	19266.3	31424.3	45075.7
-17.5°	4646.0	4574.4	4329.0	4007.1	3918.6	4099.2	4505.7	5862.9	9493.5	17364.5	25668.1
-20°	4626.4	4665.7	4492.9	4196.2	3980.2	3936.4	4123.8	4505.7	5291.4	8281.5	11819.8



REPORT NUMBER: P1305923 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4571.1	4642.5	4610.5	4440.0	4128.6	3971.2	3936.4	4099.2	4367.7	4720.1	5943.8
-25°	4496.1	4611.3	4652.3	4578.2	4407.5	4128.6	3980.2	3918.6	4026.7	4147.3	4372.7
-27.5°	4380.2	4525.6	4623.8	4655.7	4578.2	4440.0	4196.2	4007.1	3955.6	3910.5	4003.0
-30°	4238.9	4412.0	4535.5	4623.8	4652.3	4610.5	4492.9	4329.0	4142.9	4009.2	3974.4
-32.5°	3598.0	4254.4	4412.0	4525.6	4611.3	4642.5	4665.7	4574.4	4485.4	4373.0	4248.1
-35°	2824.3	3598.0	4238.9	4380.2	4496.1	4571.1	4626.4	4646.0	4663.5	4613.6	4554.2
-37.5°	1913.6	2741.4	3454.2	4089.1	4317.5	4433.5	4512.2	4570.2	4620.7	4634.6	4646.1
-40°	1516.9	1752.1	2494.3	3170.0	3727.3	4225.4	4324.3	4413.6	4483.5	4524.5	4558.5
-42.5°	1390.9	1481.4	1585.9	2088.4	2701.9	3232.3	3671.9	4067.5	4261.3	4323.9	4375.9
-45°	1340.0	1375.2	1423.2	1515.0	1600.8	2058.8	2539.7	2971.6	3301.8	3578.2	3807.1
-47.5°	1298.5	1322.8	1351.9	1381.2	1422.7	1496.0	1562.9	1677.9	2028.4	2328.8	2577.1
-50°	1226.8	1281.8	1303.3	1323.4	1346.8	1370.0	1391.1	1427.2	1475.7	1517.1	1551.4
-52.5°	1103.1	1168.7	1229.7	1278.7	1296.0	1311.8	1326.2	1342.8	1358.0	1371.0	1381.7
-55°	960.3	1028.9	1093.5	1148.2	1197.0	1241.8	1277.3	1289.1	1299.4	1308.2	1315.5
-57.5°	807.4	875.4	938.1	993.5	1044.8	1091.8	1131.2	1164.3	1193.3	1218.0	1238.3
-60°	651.7	712.0	770.4	824.9	875.4	921.5	960.3	994.8	1025.0	1050.7	1071.9
-62.5°	501.3	552.4	603.8	651.7	696.0	737.2	775.0	808.6	838.0	863.1	883.7
-65°	372.3	413.3	451.8	487.6	521.0	557.4	590.2	619.5	645.0	666.7	684.6
-67.5°	252.5	285.9	317.2	346.3	374.8	401.8	426.1	447.7	466.5	482.5	495.7
-70°	152.5	174.4	194.8	216.3	239.9	261.5	281.0	298.3	313.4	326.2	336.7
-72.5°	80.7	90.0	100.8	117.3	132.5	146.4	158.9	170.0	179.6	187.9	194.6
-75°	41.2	45.2	52.6	59.5	65.8	71.6	76.8	81.4	85.4	88.8	91.6
-77.5°	28.2	30.1	32.0	33.7	35.3	36.7	38.0	39.1	40.1	41.0	41.7
-80°	19.9	20.9	21.7	22.5	23.2	23.9	24.5	25.0	25.5	25.9	26.2
-82.5°	13.0	13.6	14.2	14.7	15.1	15.6	15.9	16.3	16.6	16.8	17.0
-85°	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3
-87.5°	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3
-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: P1305923 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-1S-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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1
85°	9.3	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.1	9.0
82.5°	17.2	17.3	17.4	17.4	17.4	17.3	17.2	17.0	16.8	16.6	16.3
80°	26.5	26.7	26.8	26.8	26.8	26.7	26.5	26.2	25.9	25.5	25.0
77.5°	42.2	42.6	42.8	42.9	42.8	42.6	42.2	41.7	41.0	40.1	39.1
75°	93.8	95.3	96.3	96.6	96.3	95.3	93.8	91.6	88.8	85.4	81.4
72.5°	199.9	203.7	205.9	206.7	205.9	203.7	199.9	194.6	187.9	179.6	170.0
70°	345.0	350.9	354.4	355.6	354.4	350.9	345.0	336.7	326.2	313.4	298.3
67.5°	506.0	513.4	517.8	519.3	517.8	513.4	506.0	495.7	482.5	466.5	447.7
65°	698.6	708.6	714.6	716.6	714.6	708.6	698.6	684.6	666.7	645.0	619.5
62.5°	899.8	911.3	918.3	920.6	918.3	911.3	899.8	883.7	863.1	838.0	808.6
60°	1088.4	1100.3	1107.4	1109.8	1107.4	1100.3	1088.4	1071.9	1050.7	1025.0	994.8
57.5°	1254.2	1265.6	1272.5	1274.8	1272.5	1265.6	1254.2	1238.3	1218.0	1193.3	1164.3
55°	1321.1	1325.2	1327.7	1328.5	1327.7	1325.2	1321.1	1315.5	1308.2	1299.4	1289.1
52.5°	1390.1	1396.2	1399.8	1401.0	1399.8	1396.2	1390.1	1381.7	1371.0	1358.0	1342.8
50°	1578.2	1597.5	1609.1	1613.0	1609.1	1597.5	1578.2	1551.4	1517.1	1475.7	1427.2
47.5°	2772.0	2912.1	2996.5	3024.7	2996.5	2912.1	2772.0	2577.1	2328.8	2028.4	1677.9
45°	3986.9	4116.2	4194.2	4220.3	4194.2	4116.2	3986.9	3807.1	3578.2	3301.8	2971.6
42.5°	4416.8	4446.2	4464.0	4469.9	4464.0	4446.2	4416.8	4375.9	4323.9	4261.3	4067.5
40°	4585.3	4604.6	4616.3	4620.2	4616.3	4604.6	4585.3	4558.5	4524.5	4483.5	4413.6
37.5°	4655.3	4661.9	4665.9	4667.2	4665.9	4661.9	4655.3	4646.1	4634.6	4620.7	4570.2
35°	4507.3	4473.3	4452.7	4445.8	4452.7	4473.3	4507.3	4554.2	4613.6	4663.5	4646.0
32.5°	4149.0	4077.2	4033.6	4019.0	4033.6	4077.2	4149.0	4248.1	4373.0	4485.4	4574.4
30°	3946.8	3926.6	3914.4	3910.3	3914.4	3926.6	3946.8	3974.4	4009.2	4142.9	4329.0
27.5°	4077.5	4131.8	4164.9	4176.0	4164.9	4131.8	4077.5	4003.0	3910.5	3955.6	4007.1
25°	4592.3	4753.2	4851.5	4884.6	4851.5	4753.2	4592.3	4372.7	4147.3	4026.7	3918.6
22.5°	7828.7	9218.2	10070.7	10358.2	10070.7	9218.2	7828.7	5943.8	4720.1	4367.7	4099.2
20°	17905.0	22426.0	25215.7	26159.3	25215.7	22426.0	17905.0	11819.8	8281.5	5291.4	4505.7
17.5°	35513.7	43079.2	47785.9	49385.1	47785.9	43079.2	35513.7	25668.1	17364.5	9493.5	5862.9
15°	63204.5	80094.1	90728.2	94366.1	90728.2	80094.1	63204.5	45075.7	31424.3	19266.3	9493.5
12.5°	105414.3	133963.2	154546.7	162356.9	154546.7	133963.2	105414.3	77130.8	48391.3	31424.3	17364.5
10°	163092.3	210897.1	246661.3	259436.3	246661.3	210897.1	163092.3	116149.8	77130.8	45075.7	25668.1
7.5°	234638.8	298890.3	344037.1	359408.3	344037.1	298890.3	234638.8	163092.3	105414.3	63204.5	35513.7
5°	298890.3	375922.2	427445.9	446505.9	427445.9	375922.2	298890.3	210897.1	133963.2	80094.1	43079.2
2.5°	344037.1	427445.9	488582.8	517571.7	488582.8	427445.9	344037.1	246661.3	154546.7	90728.2	47785.9
0°	359408.3	446505.9	517571.7	560374.1	517571.7	446505.9	359408.3	259436.3	162356.9	94366.1	49385.1
-2.5°	344037.1	427445.9	488582.8	517571.7	488582.8	427445.9	344037.1	246661.3	154546.7	90728.2	47785.9
-5°	298890.3	375922.2	427445.9	446505.9	427445.9	375922.2	298890.3	210897.1	133963.2	80094.1	43079.2
-7.5°	234638.8	298890.3	344037.1	359408.3	344037.1	298890.3	234638.8	163092.3	105414.3	63204.5	35513.7
-10°	163092.3	210897.1	246661.3	259436.3	246661.3	210897.1	163092.3	116149.8	77130.8	45075.7	25668.1
-12.5°	105414.3	133963.2	154546.7	162356.9	154546.7	133963.2	105414.3	77130.8	48391.3	31424.3	17364.5
-15°	63204.5	80094.1	90728.2	94366.1	90728.2	80094.1	63204.5	45075.7	31424.3	19266.3	9493.5
-17.5°	35513.7	43079.2	47785.9	49385.1	47785.9	43079.2	35513.7	25668.1	17364.5	9493.5	5862.9
-20°	17905.0	22426.0	25215.7	26159.3	25215.7	22426.0	17905.0	11819.8	8281.5	5291.4	4505.7



REPORT NUMBER: P1305923 (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°	7828.7	9218.2	10070.7	10358.2	10070.7	9218.2	7828.7	5943.8	4720.1	4367.7	4099.2
-25°	4592.3	4753.2	4851.5	4884.6	4851.5	4753.2	4592.3	4372.7	4147.3	4026.7	3918.6
-27.5°	4077.5	4131.8	4164.9	4176.0	4164.9	4131.8	4077.5	4003.0	3910.5	3955.6	4007.1
-30°	3946.8	3926.6	3914.4	3910.3	3914.4	3926.6	3946.8	3974.4	4009.2	4142.9	4329.0
-32.5°	4149.0	4077.2	4033.6	4019.0	4033.6	4077.2	4149.0	4248.1	4373.0	4485.4	4574.4
-35°	4507.3	4473.3	4452.7	4445.8	4452.7	4473.3	4507.3	4554.2	4613.6	4663.5	4646.0
-37.5°	4655.3	4661.9	4665.9	4667.2	4665.9	4661.9	4655.3	4646.1	4634.6	4620.7	4570.2
-40°	4585.3	4604.6	4616.3	4620.2	4616.3	4604.6	4585.3	4558.5	4524.5	4483.5	4413.6
-42.5°	4416.8	4446.2	4464.0	4469.9	4464.0	4446.2	4416.8	4375.9	4323.9	4261.3	4067.5
-45°	3986.9	4116.2	4194.2	4220.3	4194.2	4116.2	3986.9	3807.1	3578.2	3301.8	2971.6
-47.5°	2772.0	2912.1	2996.5	3024.7	2996.5	2912.1	2772.0	2577.1	2328.8	2028.4	1677.9
-50°	1578.2	1597.5	1609.1	1613.0	1609.1	1597.5	1578.2	1551.4	1517.1	1475.7	1427.2
-52.5°	1390.1	1396.2	1399.8	1401.0	1399.8	1396.2	1390.1	1381.7	1371.0	1358.0	1342.8
-55°	1321.1	1325.2	1327.7	1328.5	1327.7	1325.2	1321.1	1315.5	1308.2	1299.4	1289.1
-57.5°	1254.2	1265.6	1272.5	1274.8	1272.5	1265.6	1254.2	1238.3	1218.0	1193.3	1164.3
-60°	1088.4	1100.3	1107.4	1109.8	1107.4	1100.3	1088.4	1071.9	1050.7	1025.0	994.8
-62.5°	899.8	911.3	918.3	920.6	918.3	911.3	899.8	883.7	863.1	838.0	808.6
-65°	698.6	708.6	714.6	716.6	714.6	708.6	698.6	684.6	666.7	645.0	619.5
-67.5°	506.0	513.4	517.8	519.3	517.8	513.4	506.0	495.7	482.5	466.5	447.7
-70°	345.0	350.9	354.4	355.6	354.4	350.9	345.0	336.7	326.2	313.4	298.3
-72.5°	199.9	203.7	205.9	206.7	205.9	203.7	199.9	194.6	187.9	179.6	170.0
-75°	93.8	95.3	96.3	96.6	96.3	95.3	93.8	91.6	88.8	85.4	81.4
-77.5°	42.2	42.6	42.8	42.9	42.8	42.6	42.2	41.7	41.0	40.1	39.1
-80°	26.5	26.7	26.8	26.8	26.8	26.7	26.5	26.2	25.9	25.5	25.0
-82.5°	17.2	17.3	17.4	17.4	17.4	17.3	17.2	17.0	16.8	16.6	16.3
-85°	9.3	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.1	9.0
-87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1
-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°	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8
85°	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.7	7.5	7.3	7.1
82.5°	15.9	15.6	15.1	14.7	14.2	13.6	13.0	12.4	11.8	11.1	10.3
80°	24.5	23.9	23.2	22.5	21.7	20.9	19.9	19.0	17.9	16.9	16.0
77.5°	38.0	36.7	35.3	33.7	32.0	30.1	28.2	26.4	25.1	23.7	22.3
75°	76.8	71.6	65.8	59.5	52.6	45.2	41.2	38.7	36.0	33.2	30.3
72.5°	158.9	146.4	132.5	117.3	100.8	90.0	80.7	70.9	60.5	49.5	41.5
70°	281.0	261.5	239.9	216.3	194.8	174.4	152.5	129.4	104.9	88.1	75.0
67.5°	426.1	401.8	374.8	346.3	317.2	285.9	252.5	217.1	186.7	157.7	127.4
65°	590.2	557.4	521.0	487.6	451.8	413.3	372.3	331.2	289.5	245.7	201.8
62.5°	775.0	737.2	696.0	651.7	603.8	552.4	501.3	453.1	402.4	349.9	299.4
60°	960.3	921.5	875.4	824.9	770.4	712.0	651.7	588.0	521.0	462.4	401.8
57.5°	1131.2	1091.8	1044.8	993.5	938.1	875.4	807.4	735.4	661.8	585.4	508.1
55°	1277.3	1241.8	1197.0	1148.2	1093.5	1028.9	960.3	885.4	803.5	718.0	632.0
52.5°	1326.2	1311.8	1296.0	1278.7	1229.7	1168.7	1103.1	1025.0	943.1	852.7	757.1
50°	1391.1	1370.0	1346.8	1323.4	1303.3	1281.8	1226.8	1153.4	1071.9	980.3	882.6
47.5°	1562.9	1496.0	1422.7	1381.2	1351.9	1322.8	1298.5	1268.9	1186.8	1100.3	999.0
45°	2539.7	2058.8	1600.8	1515.0	1423.2	1375.2	1340.0	1309.7	1281.2	1203.6	1109.8
42.5°	3671.9	3232.3	2701.9	2088.4	1585.9	1481.4	1390.9	1351.6	1315.3	1284.0	1203.6
40°	4324.3	4225.4	3727.3	3170.0	2494.3	1752.1	1516.9	1398.9	1355.5	1315.3	1281.2
37.5°	4512.2	4433.5	4317.5	4089.1	3454.2	2741.4	1913.6	1528.8	1398.9	1351.6	1309.7
35°	4626.4	4571.1	4496.1	4380.2	4238.9	3598.0	2824.3	1913.6	1516.9	1390.9	1340.0
32.5°	4665.7	4642.5	4611.3	4525.6	4412.0	4254.4	3598.0	2741.4	1752.1	1481.4	1375.2
30°	4492.9	4610.5	4652.3	4623.8	4535.5	4412.0	4238.9	3454.2	2494.3	1585.9	1423.2
27.5°	4196.2	4440.0	4578.2	4655.7	4623.8	4525.6	4380.2	4089.1	3170.0	2088.4	1515.0
25°	3980.2	4128.6	4407.5	4578.2	4652.3	4611.3	4496.1	4317.5	3727.3	2701.9	1600.8
22.5°	3936.4	3971.2	4128.6	4440.0	4610.5	4642.5	4571.1	4433.5	4225.4	3232.3	2058.8
20°	4123.8	3936.4	3980.2	4196.2	4492.9	4665.7	4626.4	4512.2	4324.3	3671.9	2539.7
17.5°	4505.7	4099.2	3918.6	4007.1	4329.0	4574.4	4646.0	4570.2	4413.6	4067.5	2971.6
15°	5291.4	4367.7	4026.7	3955.6	4142.9	4485.4	4663.5	4620.7	4483.5	4261.3	3301.8
12.5°	8281.5	4720.1	4147.3	3910.5	4009.2	4373.0	4613.6	4634.6	4524.5	4323.9	3578.2
10°	11819.8	5943.8	4372.7	4003.0	3974.4	4248.1	4554.2	4646.1	4558.5	4375.9	3807.1
7.5°	17905.0	7828.7	4592.3	4077.5	3946.8	4149.0	4507.3	4655.3	4585.3	4416.8	3986.9
5°	22426.0	9218.2	4753.2	4131.8	3926.6	4077.2	4473.3	4661.9	4604.6	4446.2	4116.2
2.5°	25215.7	10070.7	4851.5	4164.9	3914.4	4033.6	4452.7	4665.9	4616.3	4464.0	4194.2
0°	26159.3	10358.2	4884.6	4176.0	3910.3	4019.0	4445.8	4667.2	4620.2	4469.9	4220.3
-2.5°	25215.7	10070.7	4851.5	4164.9	3914.4	4033.6	4452.7	4665.9	4616.3	4464.0	4194.2
-5°	22426.0	9218.2	4753.2	4131.8	3926.6	4077.2	4473.3	4661.9	4604.6	4446.2	4116.2
-7.5°	17905.0	7828.7	4592.3	4077.5	3946.8	4149.0	4507.3	4655.3	4585.3	4416.8	3986.9
-10°	11819.8	5943.8	4372.7	4003.0	3974.4	4248.1	4554.2	4646.1	4558.5	4375.9	3807.1
-12.5°	8281.5	4720.1	4147.3	3910.5	4009.2	4373.0	4613.6	4634.6	4524.5	4323.9	3578.2
-15°	5291.4	4367.7	4026.7	3955.6	4142.9	4485.4	4663.5	4620.7	4483.5	4261.3	3301.8
-17.5°	4505.7	4099.2	3918.6	4007.1	4329.0	4574.4	4646.0	4570.2	4413.6	4067.5	2971.6
-20°	4123.8	3936.4	3980.2	4196.2	4492.9	4665.7	4626.4	4512.2	4324.3	3671.9	2539.7



REPORT NUMBER: P1305923 (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°	3936.4	3971.2	4128.6	4440.0	4610.5	4642.5	4571.1	4433.5	4225.4	3232.3	2058.8
-25°	3980.2	4128.6	4407.5	4578.2	4652.3	4611.3	4496.1	4317.5	3727.3	2701.9	1600.8
-27.5°	4196.2	4440.0	4578.2	4655.7	4623.8	4525.6	4380.2	4089.1	3170.0	2088.4	1515.0
-30°	4492.9	4610.5	4652.3	4623.8	4535.5	4412.0	4238.9	3454.2	2494.3	1585.9	1423.2
-32.5°	4665.7	4642.5	4611.3	4525.6	4412.0	4254.4	3598.0	2741.4	1752.1	1481.4	1375.2
-35°	4626.4	4571.1	4496.1	4380.2	4238.9	3598.0	2824.3	1913.6	1516.9	1390.9	1340.0
-37.5°	4512.2	4433.5	4317.5	4089.1	3454.2	2741.4	1913.6	1528.8	1398.9	1351.6	1309.7
-40°	4324.3	4225.4	3727.3	3170.0	2494.3	1752.1	1516.9	1398.9	1355.5	1315.3	1281.2
-42.5°	3671.9	3232.3	2701.9	2088.4	1585.9	1481.4	1390.9	1351.6	1315.3	1284.0	1203.6
-45°	2539.7	2058.8	1600.8	1515.0	1423.2	1375.2	1340.0	1309.7	1281.2	1203.6	1109.8
-47.5°	1562.9	1496.0	1422.7	1381.2	1351.9	1322.8	1298.5	1268.9	1186.8	1100.3	999.0
-50°	1391.1	1370.0	1346.8	1323.4	1303.3	1281.8	1226.8	1153.4	1071.9	980.3	882.6
-52.5°	1326.2	1311.8	1296.0	1278.7	1229.7	1168.7	1103.1	1025.0	943.1	852.7	757.1
-55°	1277.3	1241.8	1197.0	1148.2	1093.5	1028.9	960.3	885.4	803.5	718.0	632.0
-57.5°	1131.2	1091.8	1044.8	993.5	938.1	875.4	807.4	735.4	661.8	585.4	508.1
-60°	960.3	921.5	875.4	824.9	770.4	712.0	651.7	588.0	521.0	462.4	401.8
-62.5°	775.0	737.2	696.0	651.7	603.8	552.4	501.3	453.1	402.4	349.9	299.4
-65°	590.2	557.4	521.0	487.6	451.8	413.3	372.3	331.2	289.5	245.7	201.8
-67.5°	426.1	401.8	374.8	346.3	317.2	285.9	252.5	217.1	186.7	157.7	127.4
-70°	281.0	261.5	239.9	216.3	194.8	174.4	152.5	129.4	104.9	88.1	75.0
-72.5°	158.9	146.4	132.5	117.3	100.8	90.0	80.7	70.9	60.5	49.5	41.5
-75°	76.8	71.6	65.8	59.5	52.6	45.2	41.2	38.7	36.0	33.2	30.3
-77.5°	38.0	36.7	35.3	33.7	32.0	30.1	28.2	26.4	25.1	23.7	22.3
-80°	24.5	23.9	23.2	22.5	21.7	20.9	19.9	19.0	17.9	16.9	16.0
-82.5°	15.9	15.6	15.1	14.7	14.2	13.6	13.0	12.4	11.8	11.1	10.3
-85°	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.7	7.5	7.3	7.1
-87.5°	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8
-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: P1305923 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-1S-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°	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6
85°	6.8	6.5	6.3	6.0	5.7	5.4	5.0	4.6	4.1	3.7	3.2
82.5°	9.6	9.1	8.7	8.3	7.8	7.4	6.9	6.5	6.0	5.5	4.9
80°	15.0	13.9	12.8	11.7	10.5	9.4	8.8	8.1	7.5	6.8	6.2
77.5°	20.8	19.3	17.7	16.2	14.8	13.3	11.8	10.2	9.0	8.2	7.4
75°	27.3	25.2	23.3	21.3	19.3	17.2	15.4	13.5	11.6	9.7	8.5
72.5°	37.9	34.2	30.3	26.5	24.2	21.7	19.2	16.8	14.5	12.3	10.0
70°	61.4	47.2	39.8	35.3	30.6	26.2	23.4	20.4	17.5	14.9	12.3
67.5°	96.2	80.3	63.8	46.8	38.8	33.4	27.9	24.2	20.9	17.5	14.5
65°	166.6	130.2	94.6	75.7	56.3	41.0	34.9	28.7	24.2	20.4	16.8
62.5°	247.0	196.4	155.0	112.4	83.0	61.1	41.7	34.9	27.9	23.4	19.2
60°	340.3	281.0	219.9	170.0	122.3	85.4	61.1	41.0	33.4	26.2	21.7
57.5°	439.7	369.0	301.5	233.5	175.0	122.3	83.0	56.3	38.8	30.6	24.2
55°	542.9	462.6	384.2	308.4	233.5	170.0	112.4	75.7	46.8	35.3	26.5
52.5°	660.2	561.6	470.3	384.2	301.5	219.9	155.0	94.6	63.8	39.8	30.3
50°	776.8	669.6	561.6	462.6	369.0	281.0	196.4	130.2	80.3	47.2	34.2
47.5°	892.6	776.8	660.2	542.9	439.7	340.3	247.0	166.6	96.2	61.4	37.9
45°	999.0	882.6	757.1	632.0	508.1	401.8	299.4	201.8	127.4	75.0	41.5
42.5°	1100.3	980.3	852.7	718.0	585.4	462.4	349.9	245.7	157.7	88.1	49.5
40°	1186.8	1071.9	943.1	803.5	661.8	521.0	402.4	289.5	186.7	104.9	60.5
37.5°	1268.9	1153.4	1025.0	885.4	735.4	588.0	453.1	331.2	217.1	129.4	70.9
35°	1298.5	1226.8	1103.1	960.3	807.4	651.7	501.3	372.3	252.5	152.5	80.7
32.5°	1322.8	1281.8	1168.7	1028.9	875.4	712.0	552.4	413.3	285.9	174.4	90.0
30°	1351.9	1303.3	1229.7	1093.5	938.1	770.4	603.8	451.8	317.2	194.8	100.8
27.5°	1381.2	1323.4	1278.7	1148.2	993.5	824.9	651.7	487.6	346.3	216.3	117.3
25°	1422.7	1346.8	1296.0	1197.0	1044.8	875.4	696.0	521.0	374.8	239.9	132.5
22.5°	1496.0	1370.0	1311.8	1241.8	1091.8	921.5	737.2	557.4	401.8	261.5	146.4
20°	1562.9	1391.1	1326.2	1277.3	1131.2	960.3	775.0	590.2	426.1	281.0	158.9
17.5°	1677.9	1427.2	1342.8	1289.1	1164.3	994.8	808.6	619.5	447.7	298.3	170.0
15°	2028.4	1475.7	1358.0	1299.4	1193.3	1025.0	838.0	645.0	466.5	313.4	179.6
12.5°	2328.8	1517.1	1371.0	1308.2	1218.0	1050.7	863.1	666.7	482.5	326.2	187.9
10°	2577.1	1551.4	1381.7	1315.5	1238.3	1071.9	883.7	684.6	495.7	336.7	194.6
7.5°	2772.0	1578.2	1390.1	1321.1	1254.2	1088.4	899.8	698.6	506.0	345.0	199.9
5°	2912.1	1597.5	1396.2	1325.2	1265.6	1100.3	911.3	708.6	513.4	350.9	203.7
2.5°	2996.5	1609.1	1399.8	1327.7	1272.5	1107.4	918.3	714.6	517.8	354.4	205.9
0°	3024.7	1613.0	1401.0	1328.5	1274.8	1109.8	920.6	716.6	519.3	355.6	206.7
-2.5°	2996.5	1609.1	1399.8	1327.7	1272.5	1107.4	918.3	714.6	517.8	354.4	205.9
-5°	2912.1	1597.5	1396.2	1325.2	1265.6	1100.3	911.3	708.6	513.4	350.9	203.7
-7.5°	2772.0	1578.2	1390.1	1321.1	1254.2	1088.4	899.8	698.6	506.0	345.0	199.9
-10°	2577.1	1551.4	1381.7	1315.5	1238.3	1071.9	883.7	684.6	495.7	336.7	194.6
-12.5°	2328.8	1517.1	1371.0	1308.2	1218.0	1050.7	863.1	666.7	482.5	326.2	187.9
-15°	2028.4	1475.7	1358.0	1299.4	1193.3	1025.0	838.0	645.0	466.5	313.4	179.6
-17.5°	1677.9	1427.2	1342.8	1289.1	1164.3	994.8	808.6	619.5	447.7	298.3	170.0
-20°	1562.9	1391.1	1326.2	1277.3	1131.2	960.3	775.0	590.2	426.1	281.0	158.9



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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°	1496.0	1370.0	1311.8	1241.8	1091.8	921.5	737.2	557.4	401.8	261.5	146.4
-25°	1422.7	1346.8	1296.0	1197.0	1044.8	875.4	696.0	521.0	374.8	239.9	132.5
-27.5°	1381.2	1323.4	1278.7	1148.2	993.5	824.9	651.7	487.6	346.3	216.3	117.3
-30°	1351.9	1303.3	1229.7	1093.5	938.1	770.4	603.8	451.8	317.2	194.8	100.8
-32.5°	1322.8	1281.8	1168.7	1028.9	875.4	712.0	552.4	413.3	285.9	174.4	90.0
-35°	1298.5	1226.8	1103.1	960.3	807.4	651.7	501.3	372.3	252.5	152.5	80.7
-37.5°	1268.9	1153.4	1025.0	885.4	735.4	588.0	453.1	331.2	217.1	129.4	70.9
-40°	1186.8	1071.9	943.1	803.5	661.8	521.0	402.4	289.5	186.7	104.9	60.5
-42.5°	1100.3	980.3	852.7	718.0	585.4	462.4	349.9	245.7	157.7	88.1	49.5
-45°	999.0	882.6	757.1	632.0	508.1	401.8	299.4	201.8	127.4	75.0	41.5
-47.5°	892.6	776.8	660.2	542.9	439.7	340.3	247.0	166.6	96.2	61.4	37.9
-50°	776.8	669.6	561.6	462.6	369.0	281.0	196.4	130.2	80.3	47.2	34.2
-52.5°	660.2	561.6	470.3	384.2	301.5	219.9	155.0	94.6	63.8	39.8	30.3
-55°	542.9	462.6	384.2	308.4	233.5	170.0	112.4	75.7	46.8	35.3	26.5
-57.5°	439.7	369.0	301.5	233.5	175.0	122.3	83.0	56.3	38.8	30.6	24.2
-60°	340.3	281.0	219.9	170.0	122.3	85.4	61.1	41.0	33.4	26.2	21.7
-62.5°	247.0	196.4	155.0	112.4	83.0	61.1	41.7	34.9	27.9	23.4	19.2
-65°	166.6	130.2	94.6	75.7	56.3	41.0	34.9	28.7	24.2	20.4	16.8
-67.5°	96.2	80.3	63.8	46.8	38.8	33.4	27.9	24.2	20.9	17.5	14.5
-70°	61.4	47.2	39.8	35.3	30.6	26.2	23.4	20.4	17.5	14.9	12.3
-72.5°	37.9	34.2	30.3	26.5	24.2	21.7	19.2	16.8	14.5	12.3	10.0
-75°	27.3	25.2	23.3	21.3	19.3	17.2	15.4	13.5	11.6	9.7	8.5
-77.5°	20.8	19.3	17.7	16.2	14.8	13.3	11.8	10.2	9.0	8.2	7.4
-80°	15.0	13.9	12.8	11.7	10.5	9.4	8.8	8.1	7.5	6.8	6.2
-82.5°	9.6	9.1	8.7	8.3	7.8	7.4	6.9	6.5	6.0	5.5	4.9
-85°	6.8	6.5	6.3	6.0	5.7	5.4	5.0	4.6	4.1	3.7	3.2
-87.5°	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
85°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
82.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
80°	5.5	4.7	3.7	2.8	1.9	0.9	0.0
77.5°	6.5	5.7	4.7	3.5	2.3	1.2	0.0
75°	7.5	6.5	5.5	4.2	2.8	1.4	0.0
72.5°	8.5	7.4	6.2	4.9	3.2	1.6	0.0
70°	9.7	8.2	6.8	5.5	3.7	1.8	0.0
67.5°	11.6	9.0	7.5	6.0	4.1	2.1	0.0
65°	13.5	10.2	8.1	6.5	4.6	2.3	0.0
62.5°	15.4	11.8	8.8	6.9	5.0	2.5	0.0
60°	17.2	13.3	9.4	7.4	5.4	2.7	0.0
57.5°	19.3	14.8	10.5	7.8	5.7	2.9	0.0
55°	21.3	16.2	11.7	8.3	6.0	3.1	0.0
52.5°	23.3	17.7	12.8	8.7	6.3	3.3	0.0
50°	25.2	19.3	13.9	9.1	6.5	3.5	0.0
47.5°	27.3	20.8	15.0	9.6	6.8	3.6	0.0
45°	30.3	22.3	16.0	10.3	7.1	3.8	0.0
42.5°	33.2	23.7	16.9	11.1	7.3	4.0	0.0
40°	36.0	25.1	17.9	11.8	7.5	4.1	0.0
37.5°	38.7	26.4	19.0	12.4	7.7	4.3	0.0
35°	41.2	28.2	19.9	13.0	8.0	4.4	0.0
32.5°	45.2	30.1	20.9	13.6	8.1	4.6	0.0
30°	52.6	32.0	21.7	14.2	8.3	4.7	0.0
27.5°	59.5	33.7	22.5	14.7	8.5	4.8	0.0
25°	65.8	35.3	23.2	15.1	8.6	4.9	0.0
22.5°	71.6	36.7	23.9	15.6	8.8	5.0	0.0
20°	76.8	38.0	24.5	15.9	8.9	5.1	0.0
17.5°	81.4	39.1	25.0	16.3	9.0	5.1	0.0
15°	85.4	40.1	25.5	16.6	9.1	5.2	0.0
12.5°	88.8	41.0	25.9	16.8	9.2	5.3	0.0
10°	91.6	41.7	26.2	17.0	9.3	5.3	0.0
7.5°	93.8	42.2	26.5	17.2	9.3	5.4	0.0
5°	95.3	42.6	26.7	17.3	9.4	5.4	0.0
2.5°	96.3	42.8	26.8	17.4	9.4	5.4	0.0
0°	96.6	42.9	26.8	17.4	9.4	5.4	0.0
-2.5°	96.3	42.8	26.8	17.4	9.4	5.4	0.0
-5°	95.3	42.6	26.7	17.3	9.4	5.4	0.0
-7.5°	93.8	42.2	26.5	17.2	9.3	5.4	0.0
-10°	91.6	41.7	26.2	17.0	9.3	5.3	0.0
-12.5°	88.8	41.0	25.9	16.8	9.2	5.3	0.0
-15°	85.4	40.1	25.5	16.6	9.1	5.2	0.0
-17.5°	81.4	39.1	25.0	16.3	9.0	5.1	0.0
-20°	76.8	38.0	24.5	15.9	8.9	5.1	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	71.6	36.7	23.9	15.6	8.8	5.0	0.0
-25°	65.8	35.3	23.2	15.1	8.6	4.9	0.0
-27.5°	59.5	33.7	22.5	14.7	8.5	4.8	0.0
-30°	52.6	32.0	21.7	14.2	8.3	4.7	0.0
-32.5°	45.2	30.1	20.9	13.6	8.1	4.6	0.0
-35°	41.2	28.2	19.9	13.0	8.0	4.4	0.0
-37.5°	38.7	26.4	19.0	12.4	7.7	4.3	0.0
-40°	36.0	25.1	17.9	11.8	7.5	4.1	0.0
-42.5°	33.2	23.7	16.9	11.1	7.3	4.0	0.0
-45°	30.3	22.3	16.0	10.3	7.1	3.8	0.0
-47.5°	27.3	20.8	15.0	9.6	6.8	3.6	0.0
-50°	25.2	19.3	13.9	9.1	6.5	3.5	0.0
-52.5°	23.3	17.7	12.8	8.7	6.3	3.3	0.0
-55°	21.3	16.2	11.7	8.3	6.0	3.1	0.0
-57.5°	19.3	14.8	10.5	7.8	5.7	2.9	0.0
-60°	17.2	13.3	9.4	7.4	5.4	2.7	0.0
-62.5°	15.4	11.8	8.8	6.9	5.0	2.5	0.0
-65°	13.5	10.2	8.1	6.5	4.6	2.3	0.0
-67.5°	11.6	9.0	7.5	6.0	4.1	2.1	0.0
-70°	9.7	8.2	6.8	5.5	3.7	1.8	0.0
-72.5°	8.5	7.4	6.2	4.9	3.2	1.6	0.0
-75°	7.5	6.5	5.5	4.2	2.8	1.4	0.0
-77.5°	6.5	5.7	4.7	3.5	2.3	1.2	0.0
-80°	5.5	4.7	3.7	2.8	1.9	0.9	0.0
-82.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-85°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
-87.5°	1.4	1.2	0.9	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)