

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: P1305887 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-1S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305887 (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-08-320N-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**

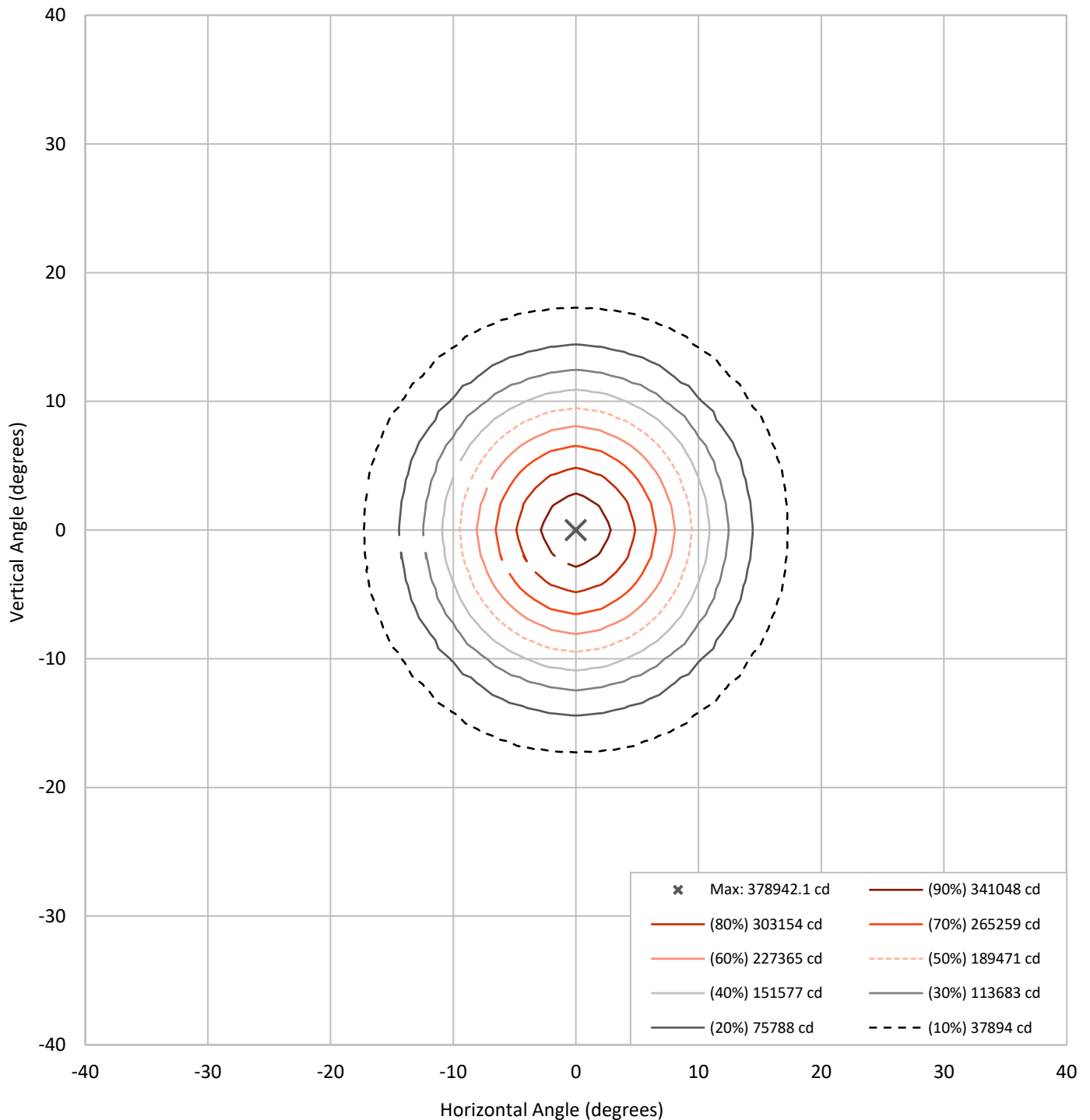
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	51333.6 lumens	Max Intensity:	378942.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	152.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	22125.5 lumens	Field Lumens:	40759.9 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 336  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





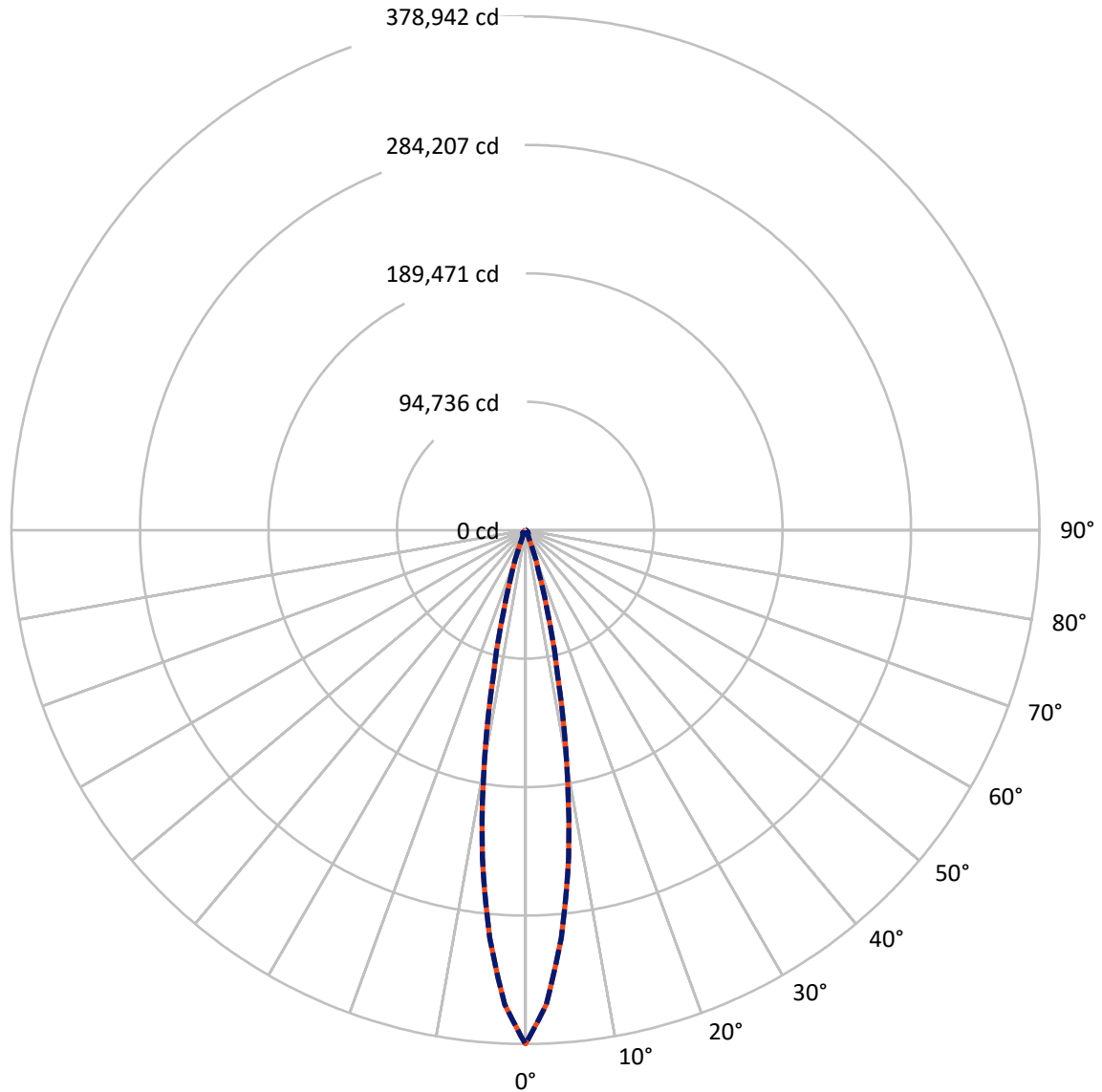
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### Lumen Table

90	0.1	0.5		1.8		4.4		5.9		4.4		1.8		0.5		0.1
80	0.1	0.5		1.8		4.4		5.9		4.4		1.8		0.5		0.1
70	0.2	0.3	1.1	3.2	6.5	10.0	13.0	14.6	14.6	13.0	10.0	6.5	3.2	1.1	0.3	0.2
60		0.8	3.8	9.3	16.0	21.6	25.3	27.3	27.3	25.3	21.6	16.0	9.3	3.8	0.8	
50	0.6	2.0	7.6	15.9	23.1	39.2	61.8	74.2	74.2	61.8	39.2	23.1	15.9	7.6	2.0	0.6
40		3.4	11.3	20.0	47.4	81.1	89.5	89.7	89.7	89.5	81.1	47.4	20.0	11.3	3.4	
30	1.3	4.8	13.8	30.9	73.3	81.2	89.2	154.7	154.7	89.2	81.2	73.3	30.9	13.8	4.8	1.3
20		5.9	15.1	45.9	75.9	83.8	490.2	1830.5	1830.5	490.2	83.8	75.9	45.9	15.1	5.9	
10	1.6	6.4	15.8	53.3	73.6	142.3	1786.1	7029.2	7029.2	1786.1	142.3	73.6	53.3	15.8	6.4	1.6
0		6.4	15.8	53.3	73.6	142.3	1786.1	7029.2	7029.2	1786.1	142.3	73.6	53.3	15.8	6.4	
-10	1.3	5.9	15.1	45.9	75.9	83.8	490.2	1830.5	1830.5	490.2	83.8	75.9	45.9	15.1	5.9	1.3
-20		4.8	13.8	30.9	73.3	81.2	89.2	154.7	154.7	89.2	81.2	73.3	30.9	13.8	4.8	
-30	0.6	3.4	11.3	20.0	47.4	81.1	89.5	89.7	89.7	89.5	81.1	47.4	20.0	11.3	3.4	0.6
-40		2.0	7.6	15.9	23.1	39.2	61.8	74.2	74.2	61.8	39.2	23.1	15.9	7.6	2.0	
-50	0.2	0.8	3.8	9.3	16.0	21.6	25.3	27.3	27.3	25.3	21.6	16.0	9.3	3.8	0.8	0.2
-60		0.3	1.1	3.2	6.5	10.0	13.0	14.6	14.6	13.0	10.0	6.5	3.2	1.1	0.3	
-70	0.1	0.5		1.8		4.4		5.9		4.4		1.8		0.5		0.1
-80		0.5		1.8		4.4		5.9		4.4		1.8		0.5		
-90	0.1	0.5		1.8		4.4		5.9		4.4		1.8		0.5		0.1

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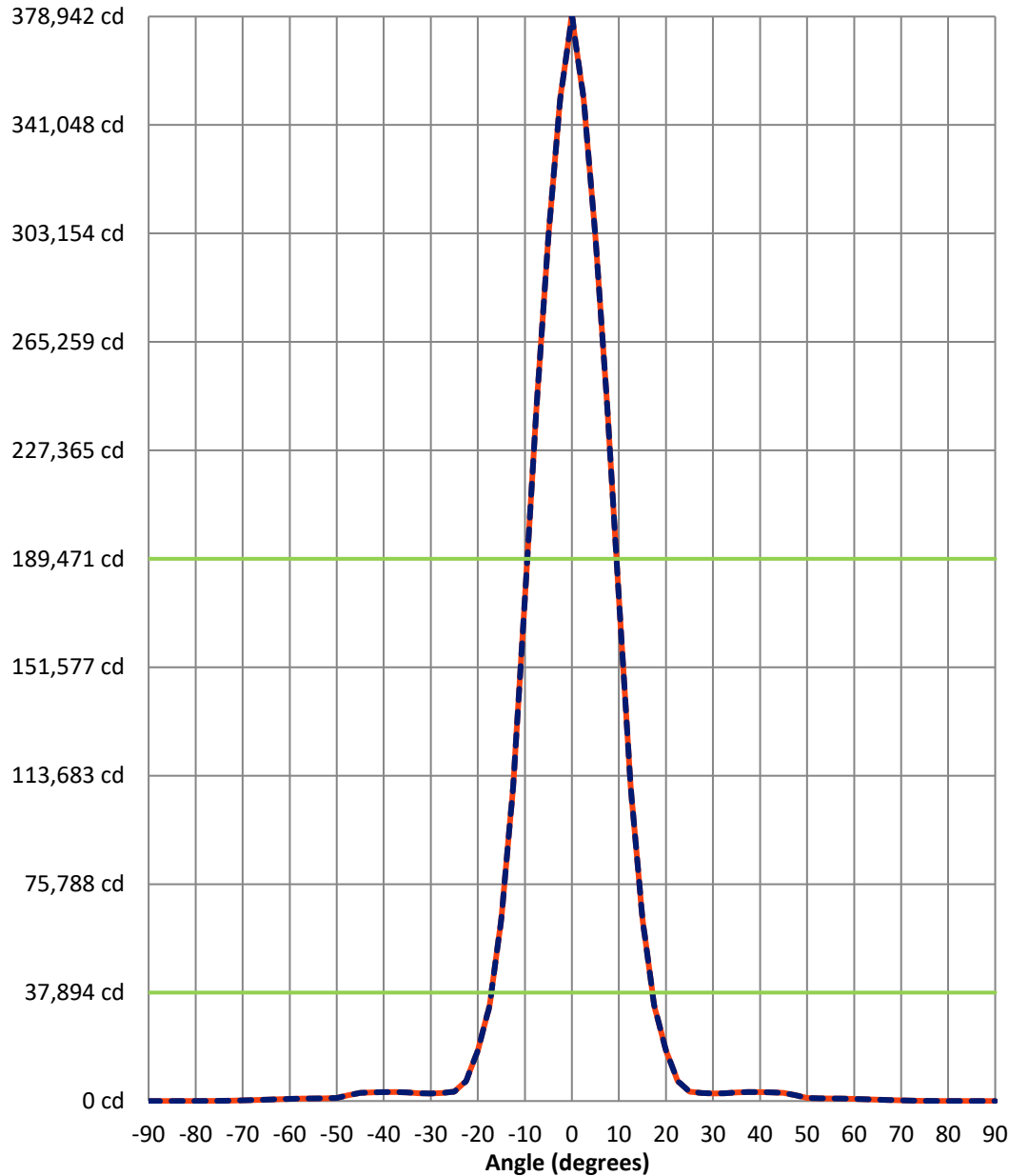
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 19°  
V Angle: 19°  
Lumens: 22125.5  
Efficiency: 43.1%

**Field:**  
H Angle: 34.3°  
V Angle: 34.3°  
Lumens: 40759.9  
Efficiency: 79.4%

**Spill:**  
Lumens: 10573.7  
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	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
85°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.0
82.5°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.0	4.3
80°	0.0	0.6	1.2	1.9	2.5	3.1	3.7	4.2	4.6	5.1	5.5
77.5°	0.0	0.8	1.6	2.3	3.1	3.8	4.4	5.0	5.6	6.1	6.9
75°	0.0	0.9	1.9	2.8	3.7	4.4	5.1	5.8	6.6	7.9	9.2
72.5°	0.0	1.1	2.2	3.2	4.2	5.0	5.8	6.8	8.4	9.9	11.4
70°	0.0	1.2	2.5	3.7	4.6	5.6	6.6	8.4	10.1	11.9	13.8
67.5°	0.0	1.4	2.8	4.0	5.1	6.1	7.9	9.9	11.9	14.1	16.4
65°	0.0	1.5	3.0	4.3	5.5	6.9	9.2	11.4	13.8	16.4	19.4
62.5°	0.0	1.7	3.3	4.7	6.0	8.0	10.4	13.0	15.8	18.9	23.6
60°	0.0	1.8	3.6	5.0	6.4	9.0	11.7	14.7	17.7	22.6	27.7
57.5°	0.0	1.9	3.8	5.3	7.2	10.0	13.0	16.3	20.7	26.2	38.1
55°	0.0	2.1	4.0	5.6	7.9	11.0	14.4	17.9	23.8	31.6	51.2
52.5°	0.0	2.2	4.2	5.9	8.7	12.0	15.7	20.5	26.9	43.1	64.0
50°	0.0	2.3	4.4	6.2	9.4	13.1	17.0	23.1	31.9	54.3	88.0
47.5°	0.0	2.4	4.6	6.5	10.2	14.1	18.4	25.6	41.5	65.1	112.6
45°	0.0	2.5	4.8	7.0	10.8	15.1	20.5	28.0	50.7	86.1	136.4
42.5°	0.0	2.7	4.9	7.5	11.5	16.0	22.5	33.5	59.6	106.6	166.1
40°	0.0	2.8	5.1	8.0	12.2	17.0	24.4	40.9	70.9	126.2	195.7
37.5°	0.0	2.9	5.2	8.4	12.9	17.8	26.2	47.9	87.4	146.7	224.0
35°	0.0	2.9	5.4	8.9	13.5	19.0	27.9	54.6	103.1	170.7	251.8
32.5°	0.0	3.0	5.5	9.3	14.1	20.4	30.6	60.8	117.8	193.3	279.5
30°	0.0	3.1	5.6	9.6	14.7	21.6	35.6	68.1	131.6	214.5	305.5
27.5°	0.0	3.2	5.8	10.0	15.2	22.8	40.2	79.3	146.2	234.2	329.8
25°	0.0	3.3	5.9	10.3	15.7	23.8	44.5	89.6	162.2	253.5	352.3
22.5°	0.0	3.3	6.0	10.6	16.2	24.8	48.4	98.9	176.8	271.7	376.9
20°	0.0	3.4	6.1	10.8	16.6	25.7	51.9	107.4	190.0	288.1	399.2
17.5°	0.0	3.4	6.1	11.0	16.9	26.4	55.0	114.9	201.7	302.8	418.9
15°	0.0	3.5	6.2	11.2	17.2	27.1	57.7	121.4	211.9	315.5	436.2
12.5°	0.0	3.5	6.3	11.4	17.5	27.7	60.0	127.0	220.6	326.3	450.9
10°	0.0	3.5	6.3	11.6	17.7	28.2	61.9	131.5	227.7	335.3	463.0
7.5°	0.0	3.6	6.4	11.7	17.9	28.5	63.4	135.1	233.3	342.2	472.4
5°	0.0	3.6	6.4	11.7	18.0	28.8	64.5	137.7	237.3	347.2	479.2
2.5°	0.0	3.6	6.4	11.8	18.1	28.9	65.1	139.2	239.7	350.2	483.2
0°	0.0	3.6	6.4	11.8	18.1	29.0	65.3	139.7	240.5	351.2	484.6
-2.5°	0.0	3.6	6.4	11.8	18.1	28.9	65.1	139.2	239.7	350.2	483.2
-5°	0.0	3.6	6.4	11.7	18.0	28.8	64.5	137.7	237.3	347.2	479.2
-7.5°	0.0	3.6	6.4	11.7	17.9	28.5	63.4	135.1	233.3	342.2	472.4
-10°	0.0	3.5	6.3	11.6	17.7	28.2	61.9	131.5	227.7	335.3	463.0
-12.5°	0.0	3.5	6.3	11.4	17.5	27.7	60.0	127.0	220.6	326.3	450.9
-15°	0.0	3.5	6.2	11.2	17.2	27.1	57.7	121.4	211.9	315.5	436.2
-17.5°	0.0	3.4	6.1	11.0	16.9	26.4	55.0	114.9	201.7	302.8	418.9
-20°	0.0	3.4	6.1	10.8	16.6	25.7	51.9	107.4	190.0	288.1	399.2



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 CATALOG NUMBER: EPH-08-320N-40-80-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.3	6.0	10.6	16.2	24.8	48.4	98.9	176.8	271.7	376.9
-25°	0.0	3.3	5.9	10.3	15.7	23.8	44.5	89.6	162.2	253.5	352.3
-27.5°	0.0	3.2	5.8	10.0	15.2	22.8	40.2	79.3	146.2	234.2	329.8
-30°	0.0	3.1	5.6	9.6	14.7	21.6	35.6	68.1	131.6	214.5	305.5
-32.5°	0.0	3.0	5.5	9.3	14.1	20.4	30.6	60.8	117.8	193.3	279.5
-35°	0.0	2.9	5.4	8.9	13.5	19.0	27.9	54.6	103.1	170.7	251.8
-37.5°	0.0	2.9	5.2	8.4	12.9	17.8	26.2	47.9	87.4	146.7	224.0
-40°	0.0	2.8	5.1	8.0	12.2	17.0	24.4	40.9	70.9	126.2	195.7
-42.5°	0.0	2.7	4.9	7.5	11.5	16.0	22.5	33.5	59.6	106.6	166.1
-45°	0.0	2.5	4.8	7.0	10.8	15.1	20.5	28.0	50.7	86.1	136.4
-47.5°	0.0	2.4	4.6	6.5	10.2	14.1	18.4	25.6	41.5	65.1	112.6
-50°	0.0	2.3	4.4	6.2	9.4	13.1	17.0	23.1	31.9	54.3	88.0
-52.5°	0.0	2.2	4.2	5.9	8.7	12.0	15.7	20.5	26.9	43.1	64.0
-55°	0.0	2.1	4.0	5.6	7.9	11.0	14.4	17.9	23.8	31.6	51.2
-57.5°	0.0	1.9	3.8	5.3	7.2	10.0	13.0	16.3	20.7	26.2	38.1
-60°	0.0	1.8	3.6	5.0	6.4	9.0	11.7	14.7	17.7	22.6	27.7
-62.5°	0.0	1.7	3.3	4.7	6.0	8.0	10.4	13.0	15.8	18.9	23.6
-65°	0.0	1.5	3.0	4.3	5.5	6.9	9.2	11.4	13.8	16.4	19.4
-67.5°	0.0	1.4	2.8	4.0	5.1	6.1	7.9	9.9	11.9	14.1	16.4
-70°	0.0	1.2	2.5	3.7	4.6	5.6	6.6	8.4	10.1	11.9	13.8
-72.5°	0.0	1.1	2.2	3.2	4.2	5.0	5.8	6.8	8.4	9.9	11.4
-75°	0.0	0.9	1.9	2.8	3.7	4.4	5.1	5.8	6.6	7.9	9.2
-77.5°	0.0	0.8	1.6	2.3	3.1	3.8	4.4	5.0	5.6	6.1	6.9
-80°	0.0	0.6	1.2	1.9	2.5	3.1	3.7	4.2	4.6	5.1	5.5
-82.5°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.0	4.3
-85°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.0
-87.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
-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):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.7	2.8	2.9
85°	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.2
82.5°	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.0	7.5	8.0	8.4
80°	6.0	6.4	7.2	7.9	8.7	9.4	10.2	10.8	11.5	12.2	12.9
77.5°	8.0	9.0	10.0	11.0	12.0	13.1	14.1	15.1	16.0	17.0	17.8
75°	10.4	11.7	13.0	14.4	15.7	17.0	18.4	20.5	22.5	24.4	26.2
72.5°	13.0	14.7	16.3	17.9	20.5	23.1	25.6	28.0	33.5	40.9	47.9
70°	15.8	17.7	20.7	23.8	26.9	31.9	41.5	50.7	59.6	70.9	87.4
67.5°	18.9	22.6	26.2	31.6	43.1	54.3	65.1	86.1	106.6	126.2	146.7
65°	23.6	27.7	38.1	51.2	64.0	88.0	112.6	136.4	166.1	195.7	224.0
62.5°	28.2	41.3	56.1	76.0	104.7	132.7	167.0	202.5	236.6	272.2	306.5
60°	41.3	57.7	82.7	114.9	148.6	190.0	230.1	271.7	312.8	352.3	397.7
57.5°	56.1	82.7	118.3	157.8	203.9	249.5	297.4	343.6	395.9	447.5	497.3
55°	76.0	114.9	157.8	208.5	259.8	312.9	367.2	427.4	485.5	543.3	598.7
52.5°	104.7	148.6	203.9	259.8	318.1	379.8	446.4	512.0	576.6	637.7	693.1
50°	132.7	190.0	249.5	312.9	379.8	452.8	525.3	596.8	662.9	724.8	780.0
47.5°	167.0	230.1	297.4	367.2	446.4	525.3	603.6	675.6	744.1	802.6	858.1
45°	202.5	271.7	343.6	427.4	512.0	596.8	675.6	750.5	814.0	866.4	885.7
42.5°	236.6	312.8	395.9	485.5	576.6	662.9	744.1	814.0	868.3	889.5	914.0
40°	272.2	352.3	447.5	543.3	637.7	724.8	802.6	866.4	889.5	916.7	946.0
37.5°	306.5	397.7	497.3	598.7	693.1	780.0	858.1	885.7	914.0	946.0	1033.8
35°	339.0	440.7	545.9	649.3	746.0	829.6	878.1	906.2	940.6	1025.7	1294.0
32.5°	373.6	481.5	592.0	695.7	790.3	866.9	894.6	930.0	1001.8	1184.8	1853.8
30°	408.4	520.9	634.3	739.4	831.6	881.4	914.2	962.4	1072.4	1686.7	2335.9
27.5°	440.7	557.8	671.8	776.5	864.7	894.9	934.0	1024.5	1412.2	2143.6	2765.2
25°	470.7	592.0	706.5	809.5	876.4	910.8	962.0	1082.4	1827.1	2520.6	2919.7
22.5°	498.5	623.1	738.3	839.8	887.1	926.5	1011.6	1392.2	2185.8	2857.3	2998.1
20°	524.1	649.3	765.0	863.8	896.8	940.7	1056.8	1717.4	2483.1	2924.2	3051.3
17.5°	546.8	672.7	787.4	871.7	908.0	965.1	1134.6	2009.5	2750.6	2984.6	3090.5
15°	566.7	693.1	807.0	878.7	918.3	997.9	1371.6	2232.8	2881.6	3031.9	3124.6
12.5°	583.6	710.5	823.7	884.7	927.1	1025.9	1574.8	2419.7	2924.0	3059.6	3134.0
10°	597.6	724.8	837.4	889.6	934.4	1049.1	1742.7	2574.5	2959.1	3082.6	3141.9
7.5°	608.4	736.0	848.2	893.4	940.0	1067.2	1874.5	2696.0	2986.8	3100.7	3148.0
5°	616.2	744.1	855.9	896.2	944.1	1080.2	1969.2	2783.5	3006.7	3113.8	3152.5
2.5°	620.9	748.9	860.5	897.8	946.6	1088.1	2026.3	2836.3	3018.7	3121.7	3155.2
0°	<b>622.5</b>	<b>750.5</b>	<b>862.1</b>	<b>898.4</b>	<b>947.4</b>	<b>1090.7</b>	<b>2045.4</b>	<b>2853.9</b>	<b>3022.7</b>	<b>3124.3</b>	<b>3156.1</b>
-2.5°	620.9	748.9	860.5	897.8	946.6	1088.1	2026.3	2836.3	3018.7	3121.7	3155.2
-5°	616.2	744.1	855.9	896.2	944.1	1080.2	1969.2	2783.5	3006.7	3113.8	3152.5
-7.5°	608.4	736.0	848.2	893.4	940.0	1067.2	1874.5	2696.0	2986.8	3100.7	3148.0
-10°	597.6	724.8	837.4	889.6	934.4	1049.1	1742.7	2574.5	2959.1	3082.6	3141.9
-12.5°	583.6	710.5	823.7	884.7	927.1	1025.9	1574.8	2419.7	2924.0	3059.6	3134.0
-15°	566.7	693.1	807.0	878.7	918.3	997.9	1371.6	2232.8	2881.6	3031.9	3124.6
-17.5°	546.8	672.7	787.4	871.7	908.0	965.1	1134.6	2009.5	2750.6	2984.6	3090.5
-20°	524.1	649.3	765.0	863.8	896.8	940.7	1056.8	1717.4	2483.1	2924.2	3051.3



REPORT NUMBER: P1305887 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-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°	498.5	623.1	738.3	839.8	887.1	926.5	1011.6	1392.2	2185.8	2857.3	2998.1
-25°	470.7	592.0	706.5	809.5	876.4	910.8	962.0	1082.4	1827.1	2520.6	2919.7
-27.5°	440.7	557.8	671.8	776.5	864.7	894.9	934.0	1024.5	1412.2	2143.6	2765.2
-30°	408.4	520.9	634.3	739.4	831.6	881.4	914.2	962.4	1072.4	1686.7	2335.9
-32.5°	373.6	481.5	592.0	695.7	790.3	866.9	894.6	930.0	1001.8	1184.8	1853.8
-35°	339.0	440.7	545.9	649.3	746.0	829.6	878.1	906.2	940.6	1025.7	1294.0
-37.5°	306.5	397.7	497.3	598.7	693.1	780.0	858.1	885.7	914.0	946.0	1033.8
-40°	272.2	352.3	447.5	543.3	637.7	724.8	802.6	866.4	889.5	916.7	946.0
-42.5°	236.6	312.8	395.9	485.5	576.6	662.9	744.1	814.0	868.3	889.5	914.0
-45°	202.5	271.7	343.6	427.4	512.0	596.8	675.6	750.5	814.0	866.4	885.7
-47.5°	167.0	230.1	297.4	367.2	446.4	525.3	603.6	675.6	744.1	802.6	858.1
-50°	132.7	190.0	249.5	312.9	379.8	452.8	525.3	596.8	662.9	724.8	780.0
-52.5°	104.7	148.6	203.9	259.8	318.1	379.8	446.4	512.0	576.6	637.7	693.1
-55°	76.0	114.9	157.8	208.5	259.8	312.9	367.2	427.4	485.5	543.3	598.7
-57.5°	56.1	82.7	118.3	157.8	203.9	249.5	297.4	343.6	395.9	447.5	497.3
-60°	41.3	57.7	82.7	114.9	148.6	190.0	230.1	271.7	312.8	352.3	397.7
-62.5°	28.2	41.3	56.1	76.0	104.7	132.7	167.0	202.5	236.6	272.2	306.5
-65°	23.6	27.7	38.1	51.2	64.0	88.0	112.6	136.4	166.1	195.7	224.0
-67.5°	18.9	22.6	26.2	31.6	43.1	54.3	65.1	86.1	106.6	126.2	146.7
-70°	15.8	17.7	20.7	23.8	26.9	31.9	41.5	50.7	59.6	70.9	87.4
-72.5°	13.0	14.7	16.3	17.9	20.5	23.1	25.6	28.0	33.5	40.9	47.9
-75°	10.4	11.7	13.0	14.4	15.7	17.0	18.4	20.5	22.5	24.4	26.2
-77.5°	8.0	9.0	10.0	11.0	12.0	13.1	14.1	15.1	16.0	17.0	17.8
-80°	6.0	6.4	7.2	7.9	8.7	9.4	10.2	10.8	11.5	12.2	12.9
-82.5°	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.0	7.5	8.0	8.4
-85°	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.2
-87.5°	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.7	2.8	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305887 (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°	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.5
85°	5.4	5.5	5.6	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3
82.5°	8.9	9.3	9.6	10.0	10.3	10.6	10.8	11.0	11.2	11.4	11.6
80°	13.5	14.1	14.7	15.2	15.7	16.2	16.6	16.9	17.2	17.5	17.7
77.5°	19.0	20.4	21.6	22.8	23.8	24.8	25.7	26.4	27.1	27.7	28.2
75°	27.9	30.6	35.6	40.2	44.5	48.4	51.9	55.0	57.7	60.0	61.9
72.5°	54.6	60.8	68.1	79.3	89.6	98.9	107.4	114.9	121.4	127.0	131.5
70°	103.1	117.8	131.6	146.2	162.2	176.8	190.0	201.7	211.9	220.6	227.7
67.5°	170.7	193.3	214.5	234.2	253.5	271.7	288.1	302.8	315.5	326.3	335.3
65°	251.8	279.5	305.5	329.8	352.3	376.9	399.2	418.9	436.2	450.9	463.0
62.5°	339.0	373.6	408.4	440.7	470.7	498.5	524.1	546.8	566.7	583.6	597.6
60°	440.7	481.5	520.9	557.8	592.0	623.1	649.3	672.7	693.1	710.5	724.8
57.5°	545.9	592.0	634.3	671.8	706.5	738.3	765.0	787.4	807.0	823.7	837.4
55°	649.3	695.7	739.4	776.5	809.5	839.8	863.8	871.7	878.7	884.7	889.6
52.5°	746.0	790.3	831.6	864.7	876.4	887.1	896.8	908.0	918.3	927.1	934.4
50°	829.6	866.9	881.4	894.9	910.8	926.5	940.7	965.1	997.9	1025.9	1049.1
47.5°	878.1	894.6	914.2	934.0	962.0	1011.6	1056.8	1134.6	1371.6	1574.8	1742.7
45°	906.2	930.0	962.4	1024.5	1082.4	1392.2	1717.4	2009.5	2232.8	2419.7	2574.5
42.5°	940.6	1001.8	1072.4	1412.2	1827.1	2185.8	2483.1	2750.6	2881.6	2924.0	2959.1
40°	1025.7	1184.8	1686.7	2143.6	2520.6	2857.3	2924.2	2984.6	3031.9	3059.6	3082.6
37.5°	1294.0	1853.8	2335.9	2765.2	2919.7	2998.1	3051.3	3090.5	3124.6	3134.0	3141.9
35°	1909.9	2433.1	2866.5	2962.1	3040.4	3091.1	3128.5	3141.8	3153.6	3119.9	3079.7
32.5°	2433.1	2877.0	2983.5	3060.3	3118.3	3139.4	3155.1	3093.3	3033.2	2957.2	2872.7
30°	2866.5	2983.5	3067.0	3126.7	3146.1	3117.8	3038.2	2927.4	2801.6	2711.2	2687.7
27.5°	2962.1	3060.3	3126.7	3148.3	3095.9	3002.5	2837.7	2709.7	2674.9	2644.4	2707.0
25°	3040.4	3118.3	3146.1	3095.9	2980.5	2791.9	2691.6	2649.9	2723.0	2804.6	2957.0
22.5°	3091.1	3139.4	3117.8	3002.5	2791.9	2685.5	2662.0	2772.1	2953.6	3191.9	4019.4
20°	3128.5	3155.1	3038.2	2837.7	2691.6	2662.0	2788.7	3046.9	3578.2	5600.3	7993.0
17.5°	3141.8	3093.3	2927.4	2709.7	2649.9	2772.1	3046.9	3964.7	6419.9	11742.5	17357.5
15°	3153.6	3033.2	2801.6	2674.9	2723.0	2953.6	3578.2	6419.9	13028.5	21250.0	30481.5
12.5°	3119.9	2957.2	2711.2	2644.4	2804.6	3191.9	5600.3	11742.5	21250.0	32723.7	52158.3
10°	3079.7	2872.7	2687.7	2707.0	2957.0	4019.4	7993.0	17357.5	30481.5	52158.3	78544.1
7.5°	3048.0	2805.7	2668.9	2757.3	3105.5	5294.0	12108.0	24015.4	42740.8	71284.4	110288.0
5°	3025.0	2757.1	2655.3	2794.1	3214.3	6233.7	15165.1	29131.5	54162.1	90590.0	142615.1
2.5°	3011.1	2727.7	2647.1	2816.5	3280.7	6810.2	17051.6	32314.3	61353.3	104509.2	166799.9
0°	3006.4	2717.8	2644.3	2824.0	3303.1	7004.6	17689.7	33395.7	63813.3	109790.7	175438.8
-2.5°	3011.1	2727.7	2647.1	2816.5	3280.7	6810.2	17051.6	32314.3	61353.3	104509.2	166799.9
-5°	3025.0	2757.1	2655.3	2794.1	3214.3	6233.7	15165.1	29131.5	54162.1	90590.0	142615.1
-7.5°	3048.0	2805.7	2668.9	2757.3	3105.5	5294.0	12108.0	24015.4	42740.8	71284.4	110288.0
-10°	3079.7	2872.7	2687.7	2707.0	2957.0	4019.4	7993.0	17357.5	30481.5	52158.3	78544.1
-12.5°	3119.9	2957.2	2711.2	2644.4	2804.6	3191.9	5600.3	11742.5	21250.0	32723.7	52158.3
-15°	3153.6	3033.2	2801.6	2674.9	2723.0	2953.6	3578.2	6419.9	13028.5	21250.0	30481.5
-17.5°	3141.8	3093.3	2927.4	2709.7	2649.9	2772.1	3046.9	3964.7	6419.9	11742.5	17357.5
-20°	3128.5	3155.1	3038.2	2837.7	2691.6	2662.0	2788.7	3046.9	3578.2	5600.3	7993.0



REPORT NUMBER: P1305887 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-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°	3091.1	3139.4	3117.8	3002.5	2791.9	2685.5	2662.0	2772.1	2953.6	3191.9	4019.4
-25°	3040.4	3118.3	3146.1	3095.9	2980.5	2791.9	2691.6	2649.9	2723.0	2804.6	2957.0
-27.5°	2962.1	3060.3	3126.7	3148.3	3095.9	3002.5	2837.7	2709.7	2674.9	2644.4	2707.0
-30°	2866.5	2983.5	3067.0	3126.7	3146.1	3117.8	3038.2	2927.4	2801.6	2711.2	2687.7
-32.5°	2433.1	2877.0	2983.5	3060.3	3118.3	3139.4	3155.1	3093.3	3033.2	2957.2	2872.7
-35°	1909.9	2433.1	2866.5	2962.1	3040.4	3091.1	3128.5	3141.8	3153.6	3119.9	3079.7
-37.5°	1294.0	1853.8	2335.9	2765.2	2919.7	2998.1	3051.3	3090.5	3124.6	3134.0	3141.9
-40°	1025.7	1184.8	1686.7	2143.6	2520.6	2857.3	2924.2	2984.6	3031.9	3059.6	3082.6
-42.5°	940.6	1001.8	1072.4	1412.2	1827.1	2185.8	2483.1	2750.6	2881.6	2924.0	2959.1
-45°	906.2	930.0	962.4	1024.5	1082.4	1392.2	1717.4	2009.5	2232.8	2419.7	2574.5
-47.5°	878.1	894.6	914.2	934.0	962.0	1011.6	1056.8	1134.6	1371.6	1574.8	1742.7
-50°	829.6	866.9	881.4	894.9	910.8	926.5	940.7	965.1	997.9	1025.9	1049.1
-52.5°	746.0	790.3	831.6	864.7	876.4	887.1	896.8	908.0	918.3	927.1	934.4
-55°	649.3	695.7	739.4	776.5	809.5	839.8	863.8	871.7	878.7	884.7	889.6
-57.5°	545.9	592.0	634.3	671.8	706.5	738.3	765.0	787.4	807.0	823.7	837.4
-60°	440.7	481.5	520.9	557.8	592.0	623.1	649.3	672.7	693.1	710.5	724.8
-62.5°	339.0	373.6	408.4	440.7	470.7	498.5	524.1	546.8	566.7	583.6	597.6
-65°	251.8	279.5	305.5	329.8	352.3	376.9	399.2	418.9	436.2	450.9	463.0
-67.5°	170.7	193.3	214.5	234.2	253.5	271.7	288.1	302.8	315.5	326.3	335.3
-70°	103.1	117.8	131.6	146.2	162.2	176.8	190.0	201.7	211.9	220.6	227.7
-72.5°	54.6	60.8	68.1	79.3	89.6	98.9	107.4	114.9	121.4	127.0	131.5
-75°	27.9	30.6	35.6	40.2	44.5	48.4	51.9	55.0	57.7	60.0	61.9
-77.5°	19.0	20.4	21.6	22.8	23.8	24.8	25.7	26.4	27.1	27.7	28.2
-80°	13.5	14.1	14.7	15.2	15.7	16.2	16.6	16.9	17.2	17.5	17.7
-82.5°	8.9	9.3	9.6	10.0	10.3	10.6	10.8	11.0	11.2	11.4	11.6
-85°	5.4	5.5	5.6	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3
-87.5°	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.5
-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: P1305887 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.4
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.1
82.5°	11.7	11.7	11.8	11.8	11.8	11.7	11.7	11.6	11.4	11.2	11.0
80°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.7	17.5	17.2	16.9
77.5°	28.5	28.8	28.9	29.0	28.9	28.8	28.5	28.2	27.7	27.1	26.4
75°	63.4	64.5	65.1	65.3	65.1	64.5	63.4	61.9	60.0	57.7	55.0
72.5°	135.1	137.7	139.2	139.7	139.2	137.7	135.1	131.5	127.0	121.4	114.9
70°	233.3	237.3	239.7	240.5	239.7	237.3	233.3	227.7	220.6	211.9	201.7
67.5°	342.2	347.2	350.2	351.2	350.2	347.2	342.2	335.3	326.3	315.5	302.8
65°	472.4	479.2	483.2	484.6	483.2	479.2	472.4	463.0	450.9	436.2	418.9
62.5°	608.4	616.2	620.9	622.5	620.9	616.2	608.4	597.6	583.6	566.7	546.8
60°	736.0	744.1	748.9	750.5	748.9	744.1	736.0	724.8	710.5	693.1	672.7
57.5°	848.2	855.9	860.5	862.1	860.5	855.9	848.2	837.4	823.7	807.0	787.4
55°	893.4	896.2	897.8	898.4	897.8	896.2	893.4	889.6	884.7	878.7	871.7
52.5°	940.0	944.1	946.6	947.4	946.6	944.1	940.0	934.4	927.1	918.3	908.0
50°	1067.2	1080.2	1088.1	1090.7	1088.1	1080.2	1067.2	1049.1	1025.9	997.9	965.1
47.5°	1874.5	1969.2	2026.3	2045.4	2026.3	1969.2	1874.5	1742.7	1574.8	1371.6	1134.6
45°	2696.0	2783.5	2836.3	2853.9	2836.3	2783.5	2696.0	2574.5	2419.7	2232.8	2009.5
42.5°	2986.8	3006.7	3018.7	3022.7	3018.7	3006.7	2986.8	2959.1	2924.0	2881.6	2750.6
40°	3100.7	3113.8	3121.7	3124.3	3121.7	3113.8	3100.7	3082.6	3059.6	3031.9	2984.6
37.5°	3148.0	3152.5	3155.2	3156.1	3155.2	3152.5	3148.0	3141.9	3134.0	3124.6	3090.5
35°	3048.0	3025.0	3011.1	3006.4	3011.1	3025.0	3048.0	3079.7	3119.9	3153.6	3141.8
32.5°	2805.7	2757.1	2727.7	2717.8	2727.7	2757.1	2805.7	2872.7	2957.2	3033.2	3093.3
30°	2668.9	2655.3	2647.1	2644.3	2647.1	2655.3	2668.9	2687.7	2711.2	2801.6	2927.4
27.5°	2757.3	2794.1	2816.5	2824.0	2816.5	2794.1	2757.3	2707.0	2644.4	2674.9	2709.7
25°	3105.5	3214.3	3280.7	3303.1	3280.7	3214.3	3105.5	2957.0	2804.6	2723.0	2649.9
22.5°	5294.0	6233.7	6810.2	7004.6	6810.2	6233.7	5294.0	4019.4	3191.9	2953.6	2772.1
20°	12108.0	15165.1	17051.6	17689.7	17051.6	15165.1	12108.0	7993.0	5600.3	3578.2	3046.9
17.5°	24015.4	29131.5	32314.3	33395.7	32314.3	29131.5	24015.4	17357.5	11742.5	6419.9	3964.7
15°	42740.8	54162.1	61353.3	63813.3	61353.3	54162.1	42740.8	30481.5	21250.0	13028.5	6419.9
12.5°	71284.4	90590.0	104509.2	109790.7	104509.2	90590.0	71284.4	52158.3	32723.7	21250.0	11742.5
10°	110288.0	142615.1	166799.9	175438.8	166799.9	142615.1	110288.0	78544.1	52158.3	30481.5	17357.5
7.5°	158669.9	202118.8	232648.4	243042.9	232648.4	202118.8	158669.9	110288.0	71284.4	42740.8	24015.4
5°	202118.8	254210.1	289052.0	301941.0	289052.0	254210.1	202118.8	142615.1	90590.0	54162.1	29131.5
2.5°	232648.4	289052.0	330394.6	349997.8	330394.6	289052.0	232648.4	166799.9	104509.2	61353.3	32314.3
0°	243042.9	301941.0	349997.8	378942.1	349997.8	301941.0	243042.9	175438.8	109790.7	63813.3	33395.7
-2.5°	232648.4	289052.0	330394.6	349997.8	330394.6	289052.0	232648.4	166799.9	104509.2	61353.3	32314.3
-5°	202118.8	254210.1	289052.0	301941.0	289052.0	254210.1	202118.8	142615.1	90590.0	54162.1	29131.5
-7.5°	158669.9	202118.8	232648.4	243042.9	232648.4	202118.8	158669.9	110288.0	71284.4	42740.8	24015.4
-10°	110288.0	142615.1	166799.9	175438.8	166799.9	142615.1	110288.0	78544.1	52158.3	30481.5	17357.5
-12.5°	71284.4	90590.0	104509.2	109790.7	104509.2	90590.0	71284.4	52158.3	32723.7	21250.0	11742.5
-15°	42740.8	54162.1	61353.3	63813.3	61353.3	54162.1	42740.8	30481.5	21250.0	13028.5	6419.9
-17.5°	24015.4	29131.5	32314.3	33395.7	32314.3	29131.5	24015.4	17357.5	11742.5	6419.9	3964.7
-20°	12108.0	15165.1	17051.6	17689.7	17051.6	15165.1	12108.0	7993.0	5600.3	3578.2	3046.9



REPORT NUMBER: P1305887 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-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°
-22.5°	5294.0	6233.7	6810.2	7004.6	6810.2	6233.7	5294.0	4019.4	3191.9	2953.6	2772.1
-25°	3105.5	3214.3	3280.7	3303.1	3280.7	3214.3	3105.5	2957.0	2804.6	2723.0	2649.9
-27.5°	2757.3	2794.1	2816.5	2824.0	2816.5	2794.1	2757.3	2707.0	2644.4	2674.9	2709.7
-30°	2668.9	2655.3	2647.1	2644.3	2647.1	2655.3	2668.9	2687.7	2711.2	2801.6	2927.4
-32.5°	2805.7	2757.1	2727.7	2717.8	2727.7	2757.1	2805.7	2872.7	2957.2	3033.2	3093.3
-35°	3048.0	3025.0	3011.1	3006.4	3011.1	3025.0	3048.0	3079.7	3119.9	3153.6	3141.8
-37.5°	3148.0	3152.5	3155.2	3156.1	3155.2	3152.5	3148.0	3141.9	3134.0	3124.6	3090.5
-40°	3100.7	3113.8	3121.7	3124.3	3121.7	3113.8	3100.7	3082.6	3059.6	3031.9	2984.6
-42.5°	2986.8	3006.7	3018.7	3022.7	3018.7	3006.7	2986.8	2959.1	2924.0	2881.6	2750.6
-45°	2696.0	2783.5	2836.3	2853.9	2836.3	2783.5	2696.0	2574.5	2419.7	2232.8	2009.5
-47.5°	1874.5	1969.2	2026.3	2045.4	2026.3	1969.2	1874.5	1742.7	1574.8	1371.6	1134.6
-50°	1067.2	1080.2	1088.1	1090.7	1088.1	1080.2	1067.2	1049.1	1025.9	997.9	965.1
-52.5°	940.0	944.1	946.6	947.4	946.6	944.1	940.0	934.4	927.1	918.3	908.0
-55°	893.4	896.2	897.8	898.4	897.8	896.2	893.4	889.6	884.7	878.7	871.7
-57.5°	848.2	855.9	860.5	862.1	860.5	855.9	848.2	837.4	823.7	807.0	787.4
-60°	736.0	744.1	748.9	750.5	748.9	744.1	736.0	724.8	710.5	693.1	672.7
-62.5°	608.4	616.2	620.9	622.5	620.9	616.2	608.4	597.6	583.6	566.7	546.8
-65°	472.4	479.2	483.2	484.6	483.2	479.2	472.4	463.0	450.9	436.2	418.9
-67.5°	342.2	347.2	350.2	351.2	350.2	347.2	342.2	335.3	326.3	315.5	302.8
-70°	233.3	237.3	239.7	240.5	239.7	237.3	233.3	227.7	220.6	211.9	201.7
-72.5°	135.1	137.7	139.2	139.7	139.2	137.7	135.1	131.5	127.0	121.4	114.9
-75°	63.4	64.5	65.1	65.3	65.1	64.5	63.4	61.9	60.0	57.7	55.0
-77.5°	28.5	28.8	28.9	29.0	28.9	28.8	28.5	28.2	27.7	27.1	26.4
-80°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.7	17.5	17.2	16.9
-82.5°	11.7	11.7	11.8	11.8	11.8	11.7	11.7	11.6	11.4	11.2	11.0
-85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.1
-87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.5
85°	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.2	5.1	4.9	4.8
82.5°	10.8	10.6	10.3	10.0	9.6	9.3	8.9	8.4	8.0	7.5	7.0
80°	16.6	16.2	15.7	15.2	14.7	14.1	13.5	12.9	12.2	11.5	10.8
77.5°	25.7	24.8	23.8	22.8	21.6	20.4	19.0	17.8	17.0	16.0	15.1
75°	51.9	48.4	44.5	40.2	35.6	30.6	27.9	26.2	24.4	22.5	20.5
72.5°	107.4	98.9	89.6	79.3	68.1	60.8	54.6	47.9	40.9	33.5	28.0
70°	190.0	176.8	162.2	146.2	131.6	117.8	103.1	87.4	70.9	59.6	50.7
67.5°	288.1	271.7	253.5	234.2	214.5	193.3	170.7	146.7	126.2	106.6	86.1
65°	399.2	376.9	352.3	329.8	305.5	279.5	251.8	224.0	195.7	166.1	136.4
62.5°	524.1	498.5	470.7	440.7	408.4	373.6	339.0	306.5	272.2	236.6	202.5
60°	649.3	623.1	592.0	557.8	520.9	481.5	440.7	397.7	352.3	312.8	271.7
57.5°	765.0	738.3	706.5	671.8	634.3	592.0	545.9	497.3	447.5	395.9	343.6
55°	863.8	839.8	809.5	776.5	739.4	695.7	649.3	598.7	543.3	485.5	427.4
52.5°	896.8	887.1	876.4	864.7	831.6	790.3	746.0	693.1	637.7	576.6	512.0
50°	940.7	926.5	910.8	894.9	881.4	866.9	829.6	780.0	724.8	662.9	596.8
47.5°	1056.8	1011.6	962.0	934.0	914.2	894.6	878.1	858.1	802.6	744.1	675.6
45°	1717.4	1392.2	1082.4	1024.5	962.4	930.0	906.2	885.7	866.4	814.0	750.5
42.5°	2483.1	2185.8	1827.1	1412.2	1072.4	1001.8	940.6	914.0	889.5	868.3	814.0
40°	2924.2	2857.3	2520.6	2143.6	1686.7	1184.8	1025.7	946.0	916.7	889.5	866.4
37.5°	3051.3	2998.1	2919.7	2765.2	2335.9	1853.8	1294.0	1033.8	946.0	914.0	885.7
35°	3128.5	3091.1	3040.4	2962.1	2866.5	2433.1	1909.9	1294.0	1025.7	940.6	906.2
32.5°	3155.1	3139.4	3118.3	3060.3	2983.5	2877.0	2433.1	1853.8	1184.8	1001.8	930.0
30°	3038.2	3117.8	3146.1	3126.7	3067.0	2983.5	2866.5	2335.9	1686.7	1072.4	962.4
27.5°	2837.7	3002.5	3095.9	3148.3	3126.7	3060.3	2962.1	2765.2	2143.6	1412.2	1024.5
25°	2691.6	2791.9	2980.5	3095.9	3146.1	3118.3	3040.4	2919.7	2520.6	1827.1	1082.4
22.5°	2662.0	2685.5	2791.9	3002.5	3117.8	3139.4	3091.1	2998.1	2857.3	2185.8	1392.2
20°	2788.7	2662.0	2691.6	2837.7	3038.2	3155.1	3128.5	3051.3	2924.2	2483.1	1717.4
17.5°	3046.9	2772.1	2649.9	2709.7	2927.4	3093.3	3141.8	3090.5	2984.6	2750.6	2009.5
15°	3578.2	2953.6	2723.0	2674.9	2801.6	3033.2	3153.6	3124.6	3031.9	2881.6	2232.8
12.5°	5600.3	3191.9	2804.6	2644.4	2711.2	2957.2	3119.9	3134.0	3059.6	2924.0	2419.7
10°	7993.0	4019.4	2957.0	2707.0	2687.7	2872.7	3079.7	3141.9	3082.6	2959.1	2574.5
7.5°	12108.0	5294.0	3105.5	2757.3	2668.9	2805.7	3048.0	3148.0	3100.7	2986.8	2696.0
5°	15165.1	6233.7	3214.3	2794.1	2655.3	2757.1	3025.0	3152.5	3113.8	3006.7	2783.5
2.5°	17051.6	6810.2	3280.7	2816.5	2647.1	2727.7	3011.1	3155.2	3121.7	3018.7	2836.3
0°	17689.7	7004.6	3303.1	2824.0	2644.3	2717.8	3006.4	3156.1	3124.3	3022.7	2853.9
-2.5°	17051.6	6810.2	3280.7	2816.5	2647.1	2727.7	3011.1	3155.2	3121.7	3018.7	2836.3
-5°	15165.1	6233.7	3214.3	2794.1	2655.3	2757.1	3025.0	3152.5	3113.8	3006.7	2783.5
-7.5°	12108.0	5294.0	3105.5	2757.3	2668.9	2805.7	3048.0	3148.0	3100.7	2986.8	2696.0
-10°	7993.0	4019.4	2957.0	2707.0	2687.7	2872.7	3079.7	3141.9	3082.6	2959.1	2574.5
-12.5°	5600.3	3191.9	2804.6	2644.4	2711.2	2957.2	3119.9	3134.0	3059.6	2924.0	2419.7
-15°	3578.2	2953.6	2723.0	2674.9	2801.6	3033.2	3153.6	3124.6	3031.9	2881.6	2232.8
-17.5°	3046.9	2772.1	2649.9	2709.7	2927.4	3093.3	3141.8	3090.5	2984.6	2750.6	2009.5
-20°	2788.7	2662.0	2691.6	2837.7	3038.2	3155.1	3128.5	3051.3	2924.2	2483.1	1717.4



REPORT NUMBER: P1305887 (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°	2662.0	2685.5	2791.9	3002.5	3117.8	3139.4	3091.1	2998.1	2857.3	2185.8	1392.2
-25°	2691.6	2791.9	2980.5	3095.9	3146.1	3118.3	3040.4	2919.7	2520.6	1827.1	1082.4
-27.5°	2837.7	3002.5	3095.9	3148.3	3126.7	3060.3	2962.1	2765.2	2143.6	1412.2	1024.5
-30°	3038.2	3117.8	3146.1	3126.7	3067.0	2983.5	2866.5	2335.9	1686.7	1072.4	962.4
-32.5°	3155.1	3139.4	3118.3	3060.3	2983.5	2877.0	2433.1	1853.8	1184.8	1001.8	930.0
-35°	3128.5	3091.1	3040.4	2962.1	2866.5	2433.1	1909.9	1294.0	1025.7	940.6	906.2
-37.5°	3051.3	2998.1	2919.7	2765.2	2335.9	1853.8	1294.0	1033.8	946.0	914.0	885.7
-40°	2924.2	2857.3	2520.6	2143.6	1686.7	1184.8	1025.7	946.0	916.7	889.5	866.4
-42.5°	2483.1	2185.8	1827.1	1412.2	1072.4	1001.8	940.6	914.0	889.5	868.3	814.0
-45°	1717.4	1392.2	1082.4	1024.5	962.4	930.0	906.2	885.7	866.4	814.0	750.5
-47.5°	1056.8	1011.6	962.0	934.0	914.2	894.6	878.1	858.1	802.6	744.1	675.6
-50°	940.7	926.5	910.8	894.9	881.4	866.9	829.6	780.0	724.8	662.9	596.8
-52.5°	896.8	887.1	876.4	864.7	831.6	790.3	746.0	693.1	637.7	576.6	512.0
-55°	863.8	839.8	809.5	776.5	739.4	695.7	649.3	598.7	543.3	485.5	427.4
-57.5°	765.0	738.3	706.5	671.8	634.3	592.0	545.9	497.3	447.5	395.9	343.6
-60°	649.3	623.1	592.0	557.8	520.9	481.5	440.7	397.7	352.3	312.8	271.7
-62.5°	524.1	498.5	470.7	440.7	408.4	373.6	339.0	306.5	272.2	236.6	202.5
-65°	399.2	376.9	352.3	329.8	305.5	279.5	251.8	224.0	195.7	166.1	136.4
-67.5°	288.1	271.7	253.5	234.2	214.5	193.3	170.7	146.7	126.2	106.6	86.1
-70°	190.0	176.8	162.2	146.2	131.6	117.8	103.1	87.4	70.9	59.6	50.7
-72.5°	107.4	98.9	89.6	79.3	68.1	60.8	54.6	47.9	40.9	33.5	28.0
-75°	51.9	48.4	44.5	40.2	35.6	30.6	27.9	26.2	24.4	22.5	20.5
-77.5°	25.7	24.8	23.8	22.8	21.6	20.4	19.0	17.8	17.0	16.0	15.1
-80°	16.6	16.2	15.7	15.2	14.7	14.1	13.5	12.9	12.2	11.5	10.8
-82.5°	10.8	10.6	10.3	10.0	9.6	9.3	8.9	8.4	8.0	7.5	7.0
-85°	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.2	5.1	4.9	4.8
-87.5°	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.5
-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: P1305887 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-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°	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1
85°	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.0	2.8	2.5	2.2
82.5°	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.3	4.0	3.7	3.2
80°	10.2	9.4	8.7	7.9	7.2	6.4	6.0	5.5	5.1	4.6	4.2
77.5°	14.1	13.1	12.0	11.0	10.0	9.0	8.0	6.9	6.1	5.6	5.0
75°	18.4	17.0	15.7	14.4	13.0	11.7	10.4	9.2	7.9	6.6	5.8
72.5°	25.6	23.1	20.5	17.9	16.3	14.7	13.0	11.4	9.9	8.4	6.8
70°	41.5	31.9	26.9	23.8	20.7	17.7	15.8	13.8	11.9	10.1	8.4
67.5°	65.1	54.3	43.1	31.6	26.2	22.6	18.9	16.4	14.1	11.9	9.9
65°	112.6	88.0	64.0	51.2	38.1	27.7	23.6	19.4	16.4	13.8	11.4
62.5°	167.0	132.7	104.7	76.0	56.1	41.3	28.2	23.6	18.9	15.8	13.0
60°	230.1	190.0	148.6	114.9	82.7	57.7	41.3	27.7	22.6	17.7	14.7
57.5°	297.4	249.5	203.9	157.8	118.3	82.7	56.1	38.1	26.2	20.7	16.3
55°	367.2	312.9	259.8	208.5	157.8	114.9	76.0	51.2	31.6	23.8	17.9
52.5°	446.4	379.8	318.1	259.8	203.9	148.6	104.7	64.0	43.1	26.9	20.5
50°	525.3	452.8	379.8	312.9	249.5	190.0	132.7	88.0	54.3	31.9	23.1
47.5°	603.6	525.3	446.4	367.2	297.4	230.1	167.0	112.6	65.1	41.5	25.6
45°	675.6	596.8	512.0	427.4	343.6	271.7	202.5	136.4	86.1	50.7	28.0
42.5°	744.1	662.9	576.6	485.5	395.9	312.8	236.6	166.1	106.6	59.6	33.5
40°	802.6	724.8	637.7	543.3	447.5	352.3	272.2	195.7	126.2	70.9	40.9
37.5°	858.1	780.0	693.1	598.7	497.3	397.7	306.5	224.0	146.7	87.4	47.9
35°	878.1	829.6	746.0	649.3	545.9	440.7	339.0	251.8	170.7	103.1	54.6
32.5°	894.6	866.9	790.3	695.7	592.0	481.5	373.6	279.5	193.3	117.8	60.8
30°	914.2	881.4	831.6	739.4	634.3	520.9	408.4	305.5	214.5	131.6	68.1
27.5°	934.0	894.9	864.7	776.5	671.8	557.8	440.7	329.8	234.2	146.2	79.3
25°	962.0	910.8	876.4	809.5	706.5	592.0	470.7	352.3	253.5	162.2	89.6
22.5°	1011.6	926.5	887.1	839.8	738.3	623.1	498.5	376.9	271.7	176.8	98.9
20°	1056.8	940.7	896.8	863.8	765.0	649.3	524.1	399.2	288.1	190.0	107.4
17.5°	1134.6	965.1	908.0	871.7	787.4	672.7	546.8	418.9	302.8	201.7	114.9
15°	1371.6	997.9	918.3	878.7	807.0	693.1	566.7	436.2	315.5	211.9	121.4
12.5°	1574.8	1025.9	927.1	884.7	823.7	710.5	583.6	450.9	326.3	220.6	127.0
10°	1742.7	1049.1	934.4	889.6	837.4	724.8	597.6	463.0	335.3	227.7	131.5
7.5°	1874.5	1067.2	940.0	893.4	848.2	736.0	608.4	472.4	342.2	233.3	135.1
5°	1969.2	1080.2	944.1	896.2	855.9	744.1	616.2	479.2	347.2	237.3	137.7
2.5°	2026.3	1088.1	946.6	897.8	860.5	748.9	620.9	483.2	350.2	239.7	139.2
0°	2045.4	1090.7	947.4	898.4	862.1	750.5	622.5	484.6	351.2	240.5	139.7
-2.5°	2026.3	1088.1	946.6	897.8	860.5	748.9	620.9	483.2	350.2	239.7	139.2
-5°	1969.2	1080.2	944.1	896.2	855.9	744.1	616.2	479.2	347.2	237.3	137.7
-7.5°	1874.5	1067.2	940.0	893.4	848.2	736.0	608.4	472.4	342.2	233.3	135.1
-10°	1742.7	1049.1	934.4	889.6	837.4	724.8	597.6	463.0	335.3	227.7	131.5
-12.5°	1574.8	1025.9	927.1	884.7	823.7	710.5	583.6	450.9	326.3	220.6	127.0
-15°	1371.6	997.9	918.3	878.7	807.0	693.1	566.7	436.2	315.5	211.9	121.4
-17.5°	1134.6	965.1	908.0	871.7	787.4	672.7	546.8	418.9	302.8	201.7	114.9
-20°	1056.8	940.7	896.8	863.8	765.0	649.3	524.1	399.2	288.1	190.0	107.4



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1011.6	926.5	887.1	839.8	738.3	623.1	498.5	376.9	271.7	176.8	98.9
-25°	962.0	910.8	876.4	809.5	706.5	592.0	470.7	352.3	253.5	162.2	89.6
-27.5°	934.0	894.9	864.7	776.5	671.8	557.8	440.7	329.8	234.2	146.2	79.3
-30°	914.2	881.4	831.6	739.4	634.3	520.9	408.4	305.5	214.5	131.6	68.1
-32.5°	894.6	866.9	790.3	695.7	592.0	481.5	373.6	279.5	193.3	117.8	60.8
-35°	878.1	829.6	746.0	649.3	545.9	440.7	339.0	251.8	170.7	103.1	54.6
-37.5°	858.1	780.0	693.1	598.7	497.3	397.7	306.5	224.0	146.7	87.4	47.9
-40°	802.6	724.8	637.7	543.3	447.5	352.3	272.2	195.7	126.2	70.9	40.9
-42.5°	744.1	662.9	576.6	485.5	395.9	312.8	236.6	166.1	106.6	59.6	33.5
-45°	675.6	596.8	512.0	427.4	343.6	271.7	202.5	136.4	86.1	50.7	28.0
-47.5°	603.6	525.3	446.4	367.2	297.4	230.1	167.0	112.6	65.1	41.5	25.6
-50°	525.3	452.8	379.8	312.9	249.5	190.0	132.7	88.0	54.3	31.9	23.1
-52.5°	446.4	379.8	318.1	259.8	203.9	148.6	104.7	64.0	43.1	26.9	20.5
-55°	367.2	312.9	259.8	208.5	157.8	114.9	76.0	51.2	31.6	23.8	17.9
-57.5°	297.4	249.5	203.9	157.8	118.3	82.7	56.1	38.1	26.2	20.7	16.3
-60°	230.1	190.0	148.6	114.9	82.7	57.7	41.3	27.7	22.6	17.7	14.7
-62.5°	167.0	132.7	104.7	76.0	56.1	41.3	28.2	23.6	18.9	15.8	13.0
-65°	112.6	88.0	64.0	51.2	38.1	27.7	23.6	19.4	16.4	13.8	11.4
-67.5°	65.1	54.3	43.1	31.6	26.2	22.6	18.9	16.4	14.1	11.9	9.9
-70°	41.5	31.9	26.9	23.8	20.7	17.7	15.8	13.8	11.9	10.1	8.4
-72.5°	25.6	23.1	20.5	17.9	16.3	14.7	13.0	11.4	9.9	8.4	6.8
-75°	18.4	17.0	15.7	14.4	13.0	11.7	10.4	9.2	7.9	6.6	5.8
-77.5°	14.1	13.1	12.0	11.0	10.0	9.0	8.0	6.9	6.1	5.6	5.0
-80°	10.2	9.4	8.7	7.9	7.2	6.4	6.0	5.5	5.1	4.6	4.2
-82.5°	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.3	4.0	3.7	3.2
-85°	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.0	2.8	2.5	2.2
-87.5°	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
85°	1.9	1.6	1.2	0.9	0.6	0.3	0.0
82.5°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
80°	3.7	3.1	2.5	1.9	1.2	0.6	0.0
77.5°	4.4	3.8	3.1	2.3	1.6	0.8	0.0
75°	5.1	4.4	3.7	2.8	1.9	0.9	0.0
72.5°	5.8	5.0	4.2	3.2	2.2	1.1	0.0
70°	6.6	5.6	4.6	3.7	2.5	1.2	0.0
67.5°	7.9	6.1	5.1	4.0	2.8	1.4	0.0
65°	9.2	6.9	5.5	4.3	3.0	1.5	0.0
62.5°	10.4	8.0	6.0	4.7	3.3	1.7	0.0
60°	11.7	9.0	6.4	5.0	3.6	1.8	0.0
57.5°	13.0	10.0	7.2	5.3	3.8	1.9	0.0
55°	14.4	11.0	7.9	5.6	4.0	2.1	0.0
52.5°	15.7	12.0	8.7	5.9	4.2	2.2	0.0
50°	17.0	13.1	9.4	6.2	4.4	2.3	0.0
47.5°	18.4	14.1	10.2	6.5	4.6	2.4	0.0
45°	20.5	15.1	10.8	7.0	4.8	2.5	0.0
42.5°	22.5	16.0	11.5	7.5	4.9	2.7	0.0
40°	24.4	17.0	12.2	8.0	5.1	2.8	0.0
37.5°	26.2	17.8	12.9	8.4	5.2	2.9	0.0
35°	27.9	19.0	13.5	8.9	5.4	2.9	0.0
32.5°	30.6	20.4	14.1	9.3	5.5	3.0	0.0
30°	35.6	21.6	14.7	9.6	5.6	3.1	0.0
27.5°	40.2	22.8	15.2	10.0	5.8	3.2	0.0
25°	44.5	23.8	15.7	10.3	5.9	3.3	0.0
22.5°	48.4	24.8	16.2	10.6	6.0	3.3	0.0
20°	51.9	25.7	16.6	10.8	6.1	3.4	0.0
17.5°	55.0	26.4	16.9	11.0	6.1	3.4	0.0
15°	57.7	27.1	17.2	11.2	6.2	3.5	0.0
12.5°	60.0	27.7	17.5	11.4	6.3	3.5	0.0
10°	61.9	28.2	17.7	11.6	6.3	3.5	0.0
7.5°	63.4	28.5	17.9	11.7	6.4	3.6	0.0
5°	64.5	28.8	18.0	11.7	6.4	3.6	0.0
2.5°	65.1	28.9	18.1	11.8	6.4	3.6	0.0
0°	65.3	29.0	18.1	11.8	6.4	3.6	0.0
-2.5°	65.1	28.9	18.1	11.8	6.4	3.6	0.0
-5°	64.5	28.8	18.0	11.7	6.4	3.6	0.0
-7.5°	63.4	28.5	17.9	11.7	6.4	3.6	0.0
-10°	61.9	28.2	17.7	11.6	6.3	3.5	0.0
-12.5°	60.0	27.7	17.5	11.4	6.3	3.5	0.0
-15°	57.7	27.1	17.2	11.2	6.2	3.5	0.0
-17.5°	55.0	26.4	16.9	11.0	6.1	3.4	0.0
-20°	51.9	25.7	16.6	10.8	6.1	3.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	48.4	24.8	16.2	10.6	6.0	3.3	0.0
-25°	44.5	23.8	15.7	10.3	5.9	3.3	0.0
-27.5°	40.2	22.8	15.2	10.0	5.8	3.2	0.0
-30°	35.6	21.6	14.7	9.6	5.6	3.1	0.0
-32.5°	30.6	20.4	14.1	9.3	5.5	3.0	0.0
-35°	27.9	19.0	13.5	8.9	5.4	2.9	0.0
-37.5°	26.2	17.8	12.9	8.4	5.2	2.9	0.0
-40°	24.4	17.0	12.2	8.0	5.1	2.8	0.0
-42.5°	22.5	16.0	11.5	7.5	4.9	2.7	0.0
-45°	20.5	15.1	10.8	7.0	4.8	2.5	0.0
-47.5°	18.4	14.1	10.2	6.5	4.6	2.4	0.0
-50°	17.0	13.1	9.4	6.2	4.4	2.3	0.0
-52.5°	15.7	12.0	8.7	5.9	4.2	2.2	0.0
-55°	14.4	11.0	7.9	5.6	4.0	2.1	0.0
-57.5°	13.0	10.0	7.2	5.3	3.8	1.9	0.0
-60°	11.7	9.0	6.4	5.0	3.6	1.8	0.0
-62.5°	10.4	8.0	6.0	4.7	3.3	1.7	0.0
-65°	9.2	6.9	5.5	4.3	3.0	1.5	0.0
-67.5°	7.9	6.1	5.1	4.0	2.8	1.4	0.0
-70°	6.6	5.6	4.6	3.7	2.5	1.2	0.0
-72.5°	5.8	5.0	4.2	3.2	2.2	1.1	0.0
-75°	5.1	4.4	3.7	2.8	1.9	0.9	0.0
-77.5°	4.4	3.8	3.1	2.3	1.6	0.8	0.0
-80°	3.7	3.1	2.5	1.9	1.2	0.6	0.0
-82.5°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
-85°	1.9	1.6	1.2	0.9	0.6	0.3	0.0
-87.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)