

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: P1306024 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-3S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1306024 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320N-40-80-3S-VHE-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

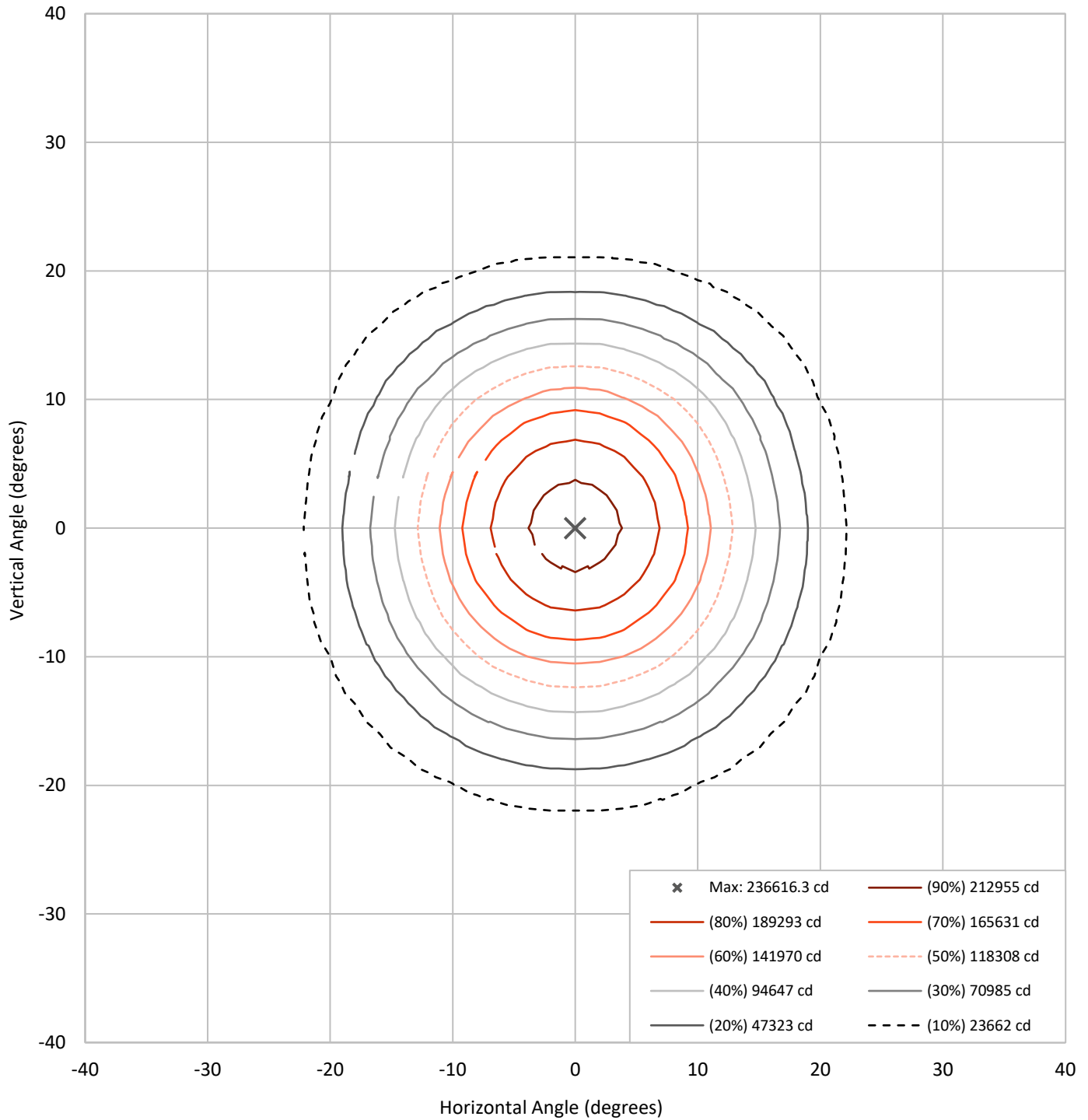
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	53160.7 lumens	Max Intensity:	236616.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	159.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	25435.1 lumens	Field Lumens:	44568.7 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%

Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





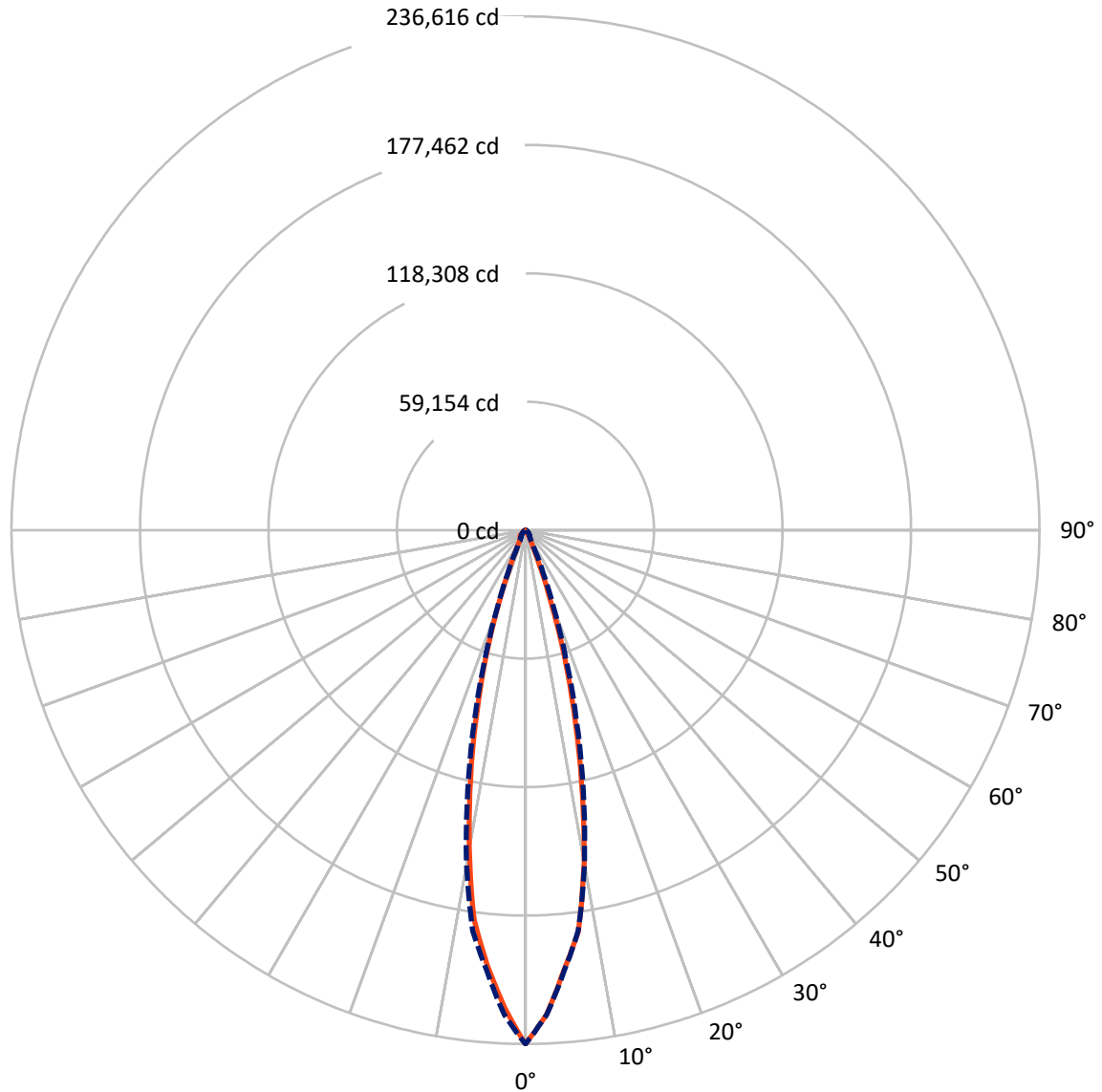
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### Lumen Table

90	0.1	0.4		0.8		1.2		1.5		1.2		0.8		0.4		0.1			
80	0.1	0.4		0.8		1.2		1.5		1.2		0.8		0.4		0.1			
70	0.2	0.1	0.1	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.1	0.1	0.2			
60		0.2	0.5	0.7	0.6	0.6	0.8	0.9	0.9	0.8	0.6	0.6	0.7	0.5	0.2				
50	0.5	0.7	1.8	3.7	6.9	11.7	16.7	18.9	18.9	16.7	11.7	6.9	3.7	1.8	0.7	0.5			
40		1.8	5.6	11.6	21.9	36.3	43.9	51.5	51.5	43.9	36.3	21.9	11.6	5.6	1.8				
30	1.2	3.1	9.5	20.8	46.6	60.0	129.5	283.2	283.2	129.5	60.0	46.6	20.8	9.5	3.1	1.2			
20		4.1	12.5	33.8	66.9	161.8	974.4	2355.6	2355.6	974.4	161.8	66.9	33.8	12.5	4.1				
10	1.8	4.9	14.5	43.1	81.0	359.1	2366.5	5390.3	5390.3	2366.5	359.1	81.0	43.1	14.5	4.9	1.8			
0		5.4	15.9	45.6	89.8	370.1	2380.9	5334.3	5334.3	2380.9	370.1	89.8	45.6	15.9	5.4				
-10	1.9	5.5	16.4	44.0	89.5	198.4	1016.0	2377.6	2377.6	1016.0	198.4	89.5	44.0	16.4	5.5	1.9			
-20		5.1	15.7	34.9	80.5	121.5	210.6	400.5	400.5	210.6	121.5	80.5	34.9	15.7	5.1				
-30	1.6	4.3	13.4	27.9	55.6	97.2	120.0	133.2	133.2	120.0	97.2	55.6	27.9	13.4	4.3	1.6			
-40		3.3	10.2	21.6	35.2	52.0	76.2	94.9	94.9	76.2	52.0	35.2	21.6	10.2	3.3				
-50	1.4	2.2	6.6	14.1	23.7	32.3	39.2	43.5	43.5	39.2	32.3	23.7	14.1	6.6	2.2	1.4			
-60		1.6	3.5	7.3	12.3	17.0	21.5	24.2	24.2	21.5	17.0	12.3	7.3	3.5	1.6				
-70	1.0	5.8		13.5		21.9		26.9		21.9		13.5		5.8		1.0			
-80		5.8		13.5		21.9		26.9		21.9		13.5		5.8					
-90	1.0	5.8		13.5		21.9		26.9		21.9		13.5		5.8		1.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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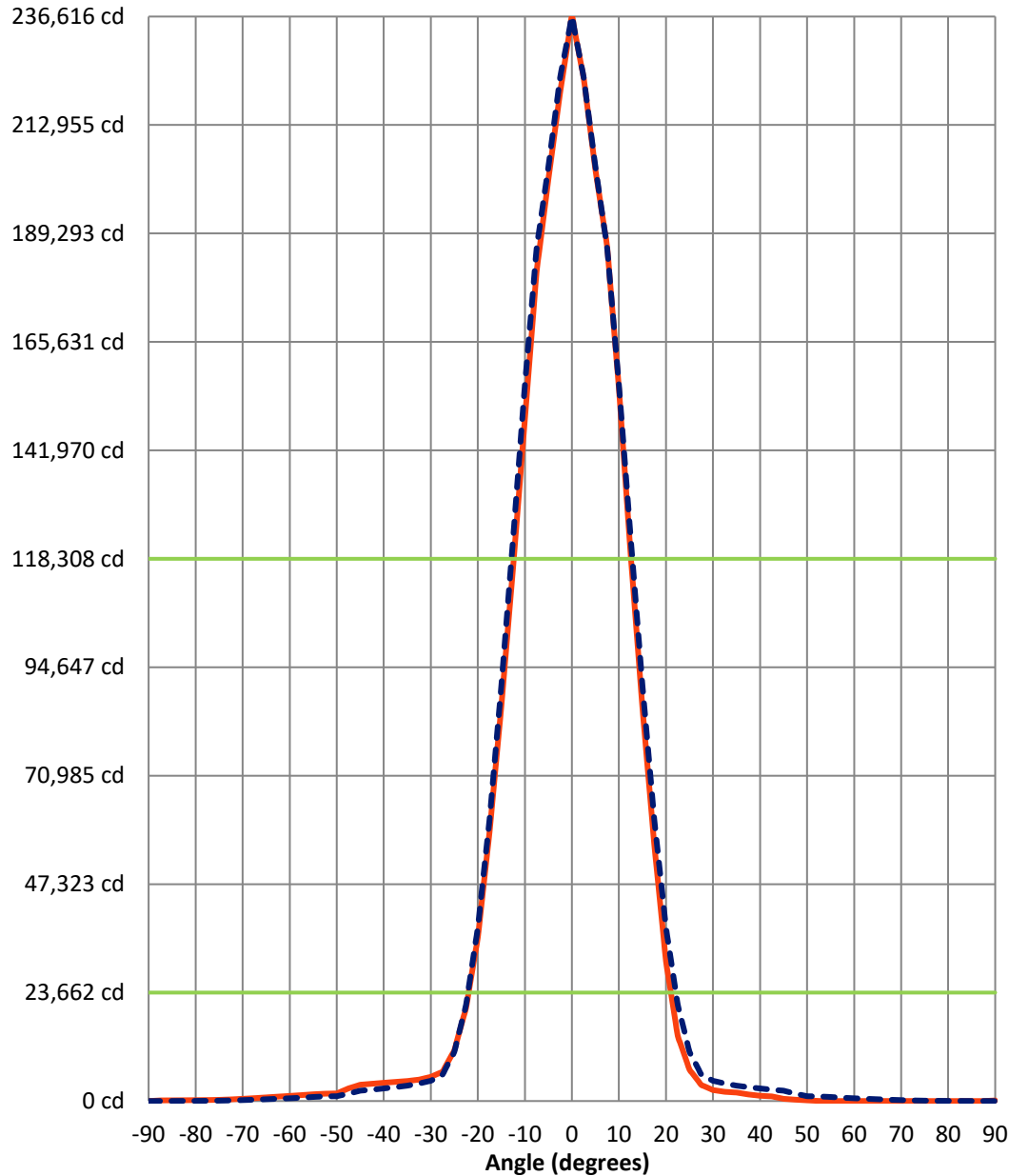
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 25.7°  
 V Angle: 24.9°  
 Lumens: 25435.1  
 Efficiency: 47.8%

**Field:**  
 H Angle: 44.2°  
 V Angle: 43°  
 Lumens: 44568.7  
 Efficiency: 83.8%

**Spill:**  
 Lumens: 8592  
 Efficiency: 16.2%

— 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°	1.9	7.9	13.9	22.4	31.0	38.3	45.6	51.0	56.4	60.8	65.2
87.5°	1.9	2.1	2.0	2.1	2.1	2.1	2.1	1.9	1.7	1.6	1.6
85°	1.9	2.2	2.1	2.2	2.4	2.3	2.2	2.1	2.1	2.0	1.8
82.5°	1.9	2.4	2.2	2.4	2.6	2.5	2.4	2.4	2.5	2.3	2.1
80°	1.9	2.5	2.4	2.6	2.8	2.7	2.6	2.7	2.8	2.6	2.4
77.5°	1.9	2.7	2.5	2.7	3.0	3.0	2.9	3.0	3.0	2.9	2.6
75°	1.9	2.8	2.6	2.9	3.3	3.4	3.3	3.3	3.3	3.2	3.0
72.5°	1.9	3.0	2.8	3.1	3.6	3.8	3.7	3.7	3.8	3.7	3.4
70°	1.9	3.1	3.0	3.3	4.0	4.1	4.1	4.4	4.4	4.1	4.3
67.5°	1.9	3.3	3.1	3.6	4.3	4.5	4.9	5.1	5.0	5.3	5.3
65°	1.9	3.5	3.3	4.0	4.7	5.1	5.7	5.8	6.3	6.5	6.5
62.5°	1.9	3.6	3.6	4.4	5.1	6.0	6.5	7.0	7.7	7.8	7.8
60°	1.9	3.8	3.8	4.8	5.6	6.8	7.5	8.5	9.2	9.5	9.3
57.5°	1.9	4.0	4.2	5.2	6.4	7.7	8.9	10.1	11.3	11.4	12.6
55°	1.9	4.1	4.6	5.6	7.3	8.7	10.4	11.7	13.5	14.3	17.0
52.5°	1.9	4.3	5.1	6.0	8.2	9.7	11.9	14.0	16.0	19.6	21.8
50°	1.9	4.5	5.6	6.4	9.1	11.1	13.4	16.5	19.6	25.5	30.7
47.5°	1.9	4.7	6.0	6.9	10.0	12.6	15.0	19.2	25.5	31.9	41.3
45°	1.9	4.8	6.5	7.7	11.0	14.1	17.4	21.9	31.7	42.7	53.1
42.5°	1.9	5.0	7.0	8.4	12.0	15.7	19.8	26.4	38.2	54.5	71.2
40°	1.9	5.2	7.5	9.3	13.1	17.3	22.4	32.2	46.4	67.0	91.6
37.5°	1.9	5.4	8.0	10.4	14.4	19.0	25.3	38.2	57.9	81.9	113.4
35°	1.9	5.5	8.5	11.4	15.7	21.1	28.3	44.3	69.8	101.1	137.9
32.5°	1.9	5.7	9.0	12.5	16.9	23.4	31.9	50.7	82.2	120.4	162.1
30°	1.9	5.9	9.6	13.5	18.2	25.8	37.2	58.0	94.9	139.8	184.7
27.5°	1.9	6.1	10.1	14.6	19.9	28.1	42.4	67.7	107.8	159.1	205.8
25°	1.9	6.2	10.6	15.6	21.5	30.4	47.5	76.9	120.9	177.2	225.4
22.5°	1.9	6.4	11.1	16.6	23.1	32.7	52.5	85.4	132.9	189.5	246.7
20°	1.9	6.5	11.6	17.6	24.7	35.1	57.3	93.4	143.7	200.9	264.0
17.5°	1.9	6.7	12.1	18.6	26.3	37.4	61.8	100.8	153.4	211.3	280.2
15°	1.9	6.9	12.6	19.6	27.8	39.6	65.9	107.5	162.0	220.8	295.6
12.5°	1.9	7.0	13.1	20.6	29.2	41.7	69.7	113.4	170.7	229.4	309.9
10°	1.9	7.1	13.6	21.5	30.6	43.6	73.2	118.8	179.6	242.1	325.5
7.5°	1.9	7.3	14.0	22.3	31.9	45.4	76.3	123.5	187.8	254.9	345.0
5°	1.9	7.4	14.4	23.2	33.2	47.1	79.1	127.5	195.2	266.9	363.1
2.5°	1.9	7.5	14.8	24.0	34.4	48.6	81.5	131.0	201.7	277.9	379.5
0°	1.9	7.6	15.2	24.7	35.5	50.0	83.6	133.7	207.1	287.6	394.0
-2.5°	1.9	7.9	15.9	25.8	37.1	52.1	86.3	138.2	213.2	294.2	400.8
-5°	1.9	8.2	16.5	26.8	38.6	54.1	88.6	142.0	218.1	299.4	405.4
-7.5°	1.9	8.5	17.1	27.8	39.9	55.9	90.4	144.9	221.7	303.1	407.8
-10°	1.9	8.8	17.7	28.7	41.2	57.5	91.9	147.0	223.9	305.4	408.1
-12.5°	1.9	9.0	18.3	29.6	42.4	59.0	92.9	148.1	224.7	306.0	407.2
-15°	1.9	9.3	18.8	30.3	43.5	60.3	93.4	148.2	223.4	304.1	404.1
-17.5°	1.9	9.5	19.2	31.0	44.5	61.4	93.5	146.8	219.8	300.5	398.1
-20°	1.9	9.7	19.6	31.7	45.3	62.3	93.1	144.4	214.8	295.2	389.2



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 CATALOG NUMBER: EPH-08-320N-40-80-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	1.9	9.9	20.0	32.2	46.0	63.0	92.4	141.0	208.6	288.1	377.5
-25°	1.9	10.1	20.4	32.7	46.6	63.6	91.2	136.7	201.1	279.3	365.3
-27.5°	1.9	10.3	20.7	33.1	47.1	64.1	89.5	131.6	192.3	271.4	356.5
-30°	1.9	10.4	20.9	33.3	47.5	64.5	87.3	125.6	185.1	262.6	345.9
-32.5°	1.9	10.5	21.1	33.6	47.9	64.6	84.6	121.6	179.1	252.4	333.3
-35°	1.9	10.6	21.3	33.7	48.3	64.5	83.7	118.3	171.4	240.7	318.6
-37.5°	1.9	10.7	21.4	33.7	48.5	64.5	83.4	114.5	162.1	227.7	303.1
-40°	1.9	10.8	21.4	33.7	48.6	64.6	82.9	109.9	151.2	214.9	285.5
-42.5°	1.9	10.8	21.5	33.6	48.6	64.6	82.1	104.5	143.1	199.7	265.3
-45°	1.9	10.8	21.4	33.5	48.6	64.4	81.1	100.5	136.0	182.7	242.9
-47.5°	1.9	10.8	21.3	33.4	48.4	64.1	79.8	98.9	127.9	164.5	222.2
-50°	1.9	10.8	21.2	33.3	48.1	63.6	78.9	96.9	118.4	153.6	199.8
-52.5°	1.9	10.8	21.0	33.2	47.6	62.9	77.9	94.6	113.1	141.9	176.6
-55°	1.9	10.7	20.8	33.0	47.0	62.0	76.7	92.0	109.6	129.4	161.9
-57.5°	1.9	10.6	20.6	32.7	46.3	60.9	75.3	90.2	105.9	123.1	146.4
-60°	1.9	10.5	20.2	32.3	45.4	59.7	73.7	88.1	102.1	118.4	133.6
-62.5°	1.9	10.4	19.9	31.8	44.7	58.3	71.9	85.6	99.0	113.3	127.3
-65°	1.9	10.2	19.6	31.3	43.9	56.7	70.0	83.0	95.7	108.6	120.5
-67.5°	1.9	10.1	19.2	30.6	43.0	55.2	68.0	80.2	92.1	104.0	114.8
-70°	1.9	9.9	18.7	29.9	42.0	53.6	65.7	77.3	88.6	99.3	109.6
-72.5°	1.9	9.7	18.3	29.2	40.8	51.9	63.4	74.2	84.9	94.6	104.1
-75°	1.9	9.5	17.7	28.4	39.6	50.0	60.9	70.9	81.0	89.8	98.4
-77.5°	1.9	9.3	17.2	27.6	38.3	48.1	58.2	67.4	76.8	84.7	92.4
-80°	1.9	9.0	16.6	26.7	37.0	46.2	55.4	63.8	72.3	79.4	86.4
-82.5°	1.9	8.8	16.0	25.7	35.6	44.3	53.1	60.3	67.8	74.0	80.3
-85°	1.9	8.5	15.3	24.7	34.2	42.4	50.7	57.3	64.0	69.4	74.7
-87.5°	1.9	8.2	14.6	23.6	32.6	40.4	48.2	54.2	60.3	65.1	70.0
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.3	1.3	1.3



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 CATALOG NUMBER: EPH-08-320N-40-80-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	68.7	72.2	75.4	78.5	81.4	84.2	88.0	91.8	94.7	97.5	100.4
87.5°	1.6	1.6	1.6	1.6	1.5	1.3	1.3	1.3	1.2	1.1	1.2
85°	1.9	1.9	1.9	1.9	1.7	1.5	1.5	1.5	1.6	1.6	1.5
82.5°	2.1	2.2	2.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.7
80°	2.4	2.5	2.3	2.1	2.2	2.2	2.1	1.9	1.9	1.9	2.0
77.5°	2.6	2.5	2.4	2.4	2.5	2.6	2.6	2.6	2.6	2.5	2.5
75°	2.8	2.6	2.7	2.6	2.6	3.0	3.2	3.2	3.1	3.0	3.0
72.5°	3.3	3.3	3.2	2.8	2.9	3.2	3.2	3.2	4.0	5.3	6.3
70°	4.2	4.1	3.9	3.6	3.5	3.7	4.8	6.6	8.5	10.3	12.0
67.5°	5.1	4.9	4.6	4.6	5.3	6.3	7.7	12.1	16.8	18.4	18.7
65°	6.0	5.8	5.9	6.6	7.5	10.7	14.8	20.1	24.6	24.3	22.4
62.5°	7.0	7.9	7.9	9.4	12.6	16.4	21.2	25.7	29.7	27.8	23.2
60°	10.0	10.6	12.0	14.9	18.2	22.0	26.9	28.4	29.4	28.6	22.5
57.5°	13.8	15.4	18.4	21.1	25.0	26.7	27.1	26.8	28.5	27.4	21.2
55°	19.3	22.1	26.2	28.9	31.2	27.9	27.5	29.3	29.1	26.6	20.6
52.5°	27.6	30.6	36.2	38.2	36.5	33.8	32.9	34.5	33.3	29.9	26.0
50°	36.6	43.7	47.5	49.1	45.9	45.5	42.2	44.3	46.1	44.5	50.1
47.5°	50.3	58.9	61.7	64.6	63.1	68.9	65.8	76.8	77.6	109.4	118.9
45°	66.8	78.4	81.6	89.2	97.7	107.8	125.3	129.9	182.3	214.2	251.9
42.5°	86.8	101.3	114.4	118.7	156.4	176.8	203.0	251.8	300.6	340.6	368.7
40°	112.4	127.2	154.9	187.9	227.9	262.6	312.7	369.2	415.6	446.4	460.8
37.5°	140.7	169.6	205.8	259.2	307.9	352.0	416.0	472.5	513.7	542.1	545.8
35°	171.0	212.1	271.4	325.5	375.7	435.5	499.1	564.0	597.7	610.0	662.4
32.5°	206.4	253.5	323.7	382.4	439.0	506.7	574.4	630.5	660.3	694.9	872.2
30°	239.8	296.8	366.8	429.2	499.3	576.5	641.1	694.0	714.6	896.7	1183.2
27.5°	266.5	334.5	404.7	480.0	560.5	648.7	714.0	748.3	866.4	1135.7	1550.0
25°	291.4	364.6	443.0	537.1	628.6	716.1	782.4	804.4	1049.9	1506.7	1815.5
22.5°	315.8	393.9	485.3	597.4	691.2	772.9	828.3	961.3	1313.1	1891.6	2051.9
20°	340.1	428.6	531.2	643.1	746.5	822.7	865.3	1126.7	1632.7	2039.5	2219.9
17.5°	363.6	463.5	573.4	681.5	785.8	863.0	918.1	1266.2	1885.8	2172.1	2349.7
15°	386.4	493.3	605.9	717.6	823.9	898.3	1047.8	1471.0	2043.1	2332.6	2520.2
12.5°	408.3	518.8	629.9	748.8	860.8	932.6	1182.3	1719.1	2207.1	2490.8	2693.5
10°	429.0	540.3	650.8	777.3	895.1	962.4	1308.6	1950.9	2357.2	2603.4	2787.1
7.5°	449.9	559.6	669.6	803.1	927.5	989.6	1415.4	2077.8	2416.2	2677.7	2853.2
5°	468.2	577.5	691.9	834.9	958.8	1014.6	1505.5	2163.1	2434.8	2714.9	2900.7
2.5°	484.0	592.3	711.4	864.6	987.1	1037.2	1567.0	2228.2	2457.4	2741.3	2959.8
0°	497.2	604.3	727.8	890.0	1011.0	1057.8	1607.7	2263.3	2471.7	2752.9	3025.3
-2.5°	506.9	620.3	754.0	911.6	1030.6	1079.3	1620.5	2278.4	2492.4	2816.8	3172.4
-5°	514.1	633.1	776.0	928.7	1046.6	1099.2	1611.3	2264.3	2517.2	2875.8	3265.8
-7.5°	518.6	642.3	792.8	941.5	1060.0	1121.4	1583.9	2248.2	2594.8	2949.9	3312.9
-10°	520.7	647.1	795.4	946.3	1070.7	1143.8	1536.9	2193.6	2650.9	2978.2	3316.8
-12.5°	522.5	648.1	792.3	945.5	1077.3	1164.2	1477.8	2128.1	2702.6	2988.8	3292.8
-15°	520.9	646.1	785.3	939.6	1085.8	1190.0	1402.3	2006.5	2725.6	2977.6	3247.6
-17.5°	515.6	641.1	775.6	932.0	1091.2	1214.1	1303.3	1819.2	2601.7	2943.3	3213.3
-20°	506.6	632.1	761.8	917.5	1088.3	1224.5	1300.8	1682.1	2342.1	2875.7	3162.2



REPORT NUMBER: P1306024 (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°	494.8	619.4	745.3	898.2	1071.2	1220.2	1318.9	1531.0	2047.9	2776.8	3085.3
-25°	480.9	603.3	728.4	877.4	1047.3	1212.0	1328.8	1391.8	1804.8	2441.5	2963.1
-27.5°	464.9	584.1	709.1	849.7	1016.0	1187.6	1312.6	1395.6	1607.1	2058.1	2777.4
-30°	446.0	561.9	684.2	817.6	977.8	1141.6	1284.9	1390.6	1452.4	1796.5	2374.7
-32.5°	424.5	536.3	655.7	786.7	934.7	1092.1	1243.5	1357.9	1442.6	1555.2	1995.7
-35°	404.1	510.2	624.2	752.0	888.4	1036.2	1178.4	1313.3	1419.5	1492.1	1671.1
-37.5°	386.0	481.8	591.3	714.3	845.6	972.2	1108.0	1247.1	1368.8	1469.1	1532.5
-40°	365.3	451.1	557.3	673.6	790.6	907.4	1034.3	1167.1	1301.2	1411.3	1507.9
-42.5°	342.2	425.3	520.4	626.2	733.7	844.0	957.0	1082.7	1209.1	1334.7	1436.6
-45°	316.5	396.4	480.9	576.1	673.5	777.6	884.7	993.4	1112.9	1231.5	1343.0
-47.5°	287.6	364.4	444.9	522.6	613.1	708.7	808.6	911.1	1013.4	1122.3	1230.0
-50°	257.5	328.7	403.1	474.2	551.6	638.6	730.3	825.7	922.3	1013.6	1108.3
-52.5°	229.5	289.9	357.9	426.1	494.1	568.0	651.0	737.1	826.4	915.4	995.5
-55°	199.4	253.6	310.2	374.5	439.5	503.5	570.8	648.8	724.6	806.4	885.2
-57.5°	176.8	216.7	266.3	319.8	380.6	442.5	502.1	560.8	626.9	695.3	764.8
-60°	158.8	186.8	224.7	270.3	318.3	375.3	433.9	488.1	538.0	589.0	651.9
-62.5°	142.2	165.2	191.6	223.3	264.9	307.4	357.7	409.4	458.0	504.6	551.4
-65°	134.1	146.2	166.1	189.8	213.6	249.8	288.4	327.9	372.4	415.2	458.7
-67.5°	125.6	137.1	148.1	161.0	182.5	203.5	224.4	259.2	294.1	325.5	357.2
-70°	119.1	128.1	138.0	147.6	157.3	169.7	188.7	208.2	227.1	247.9	274.5
-72.5°	112.7	120.7	128.7	136.5	145.3	154.2	163.3	172.8	186.6	202.7	217.2
-75°	106.1	113.1	120.1	127.1	134.4	141.7	149.4	157.9	166.5	175.1	182.8
-77.5°	99.4	106.0	112.0	117.9	124.1	130.7	137.5	144.4	151.4	158.6	164.6
-80°	92.5	98.7	104.0	109.2	114.5	120.0	125.8	131.8	137.7	143.7	148.9
-82.5°	85.6	90.8	95.6	100.3	104.9	109.4	114.4	119.6	124.7	129.9	134.3
-85°	78.8	82.9	86.9	91.0	95.0	99.0	103.5	108.0	112.3	116.6	120.4
-87.5°	73.8	77.6	81.0	84.3	87.5	90.7	94.6	98.5	101.9	105.3	108.4
-90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.0	0.6	0.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	103.3	105.2	107.1	108.7	110.2	112.5	114.7	117.9	121.0	124.8	128.6
87.5°	1.2	1.2	1.2	0.9	0.6	0.6	0.6	0.6	0.6	0.9	1.3
85°	1.3	1.3	1.3	1.4	1.6	1.7	1.7	1.8	1.8	1.9	1.9
82.5°	1.6	1.6	1.7	1.8	1.9	1.9	1.9	1.9	1.9	2.2	2.5
80°	2.1	2.1	2.2	2.2	2.3	2.1	1.9	1.9	1.9	2.2	2.5
77.5°	2.6	2.6	2.5	2.4	2.2	2.0	1.9	1.9	1.9	1.9	1.9
75°	3.1	3.2	3.3	3.5	3.8	3.9	3.6	3.7	3.9	3.8	3.7
72.5°	7.0	7.1	7.1	8.0	8.8	9.1	9.3	9.9	10.7	11.6	12.7
70°	13.6	15.0	15.6	15.6	15.0	14.6	14.3	14.2	14.5	15.1	16.0
67.5°	19.6	20.2	20.0	19.7	18.5	17.1	15.5	14.6	15.0	15.7	16.7
65°	22.2	20.4	19.2	18.7	17.6	15.8	13.4	11.8	11.4	11.2	11.1
62.5°	19.9	16.8	15.3	14.5	12.9	11.4	9.2	7.5	6.9	6.5	6.3
60°	17.4	13.5	11.1	10.0	8.3	6.4	5.3	4.1	3.7	3.4	3.5
57.5°	15.1	11.1	8.4	7.9	6.4	5.0	4.0	3.0	2.7	2.5	2.6
55°	15.6	13.6	11.4	10.2	8.5	7.7	6.8	6.2	5.6	5.7	6.1
52.5°	22.0	23.6	20.8	20.1	25.0	25.0	20.7	27.4	31.5	34.6	35.5
50°	56.7	56.3	74.9	71.7	88.8	102.8	103.4	111.9	128.1	139.2	145.2
47.5°	150.6	167.6	189.1	211.8	229.5	251.6	274.1	290.8	294.8	295.3	298.2
45°	283.5	307.7	340.2	364.0	397.5	418.2	435.4	451.0	486.8	519.9	558.4
42.5°	396.0	422.4	456.0	504.4	539.8	634.1	778.4	813.8	818.9	848.2	891.0
40°	484.7	519.3	594.1	700.2	926.2	1128.8	1165.3	1195.9	1209.2	1192.9	1222.0
37.5°	592.2	673.2	841.6	1131.7	1238.8	1294.0	1332.8	1356.1	1384.4	1410.6	1424.8
35°	770.5	996.5	1144.1	1299.0	1369.0	1396.9	1425.4	1454.2	1476.4	1505.4	1528.6
32.5°	1136.7	1388.2	1403.0	1441.3	1477.8	1514.2	1540.8	1568.1	1591.8	1629.4	1708.2
30°	1505.5	1560.4	1573.8	1577.3	1610.5	1654.1	1677.2	1732.4	1807.0	1892.5	2074.6
27.5°	1701.9	1739.6	1747.5	1751.2	1766.7	1818.3	1913.9	1989.3	2168.2	2385.4	2853.1
25°	1940.9	1967.8	1996.3	1995.0	2018.6	2110.0	2296.8	2456.0	3060.6	3626.4	4845.4
22.5°	2169.1	2250.2	2290.7	2344.8	2424.8	2591.1	2918.9	3839.9	5379.8	7345.0	9791.5
20°	2327.6	2436.8	2545.5	2696.7	2890.2	3235.1	4259.4	7015.4	10306.8	15082.6	19088.3
17.5°	2487.5	2610.8	2803.2	3036.4	3361.4	4519.5	7522.5	12202.2	18961.1	27439.8	34879.0
15°	2696.0	2842.3	3100.0	3432.9	4340.9	6813.0	11822.5	20337.5	30612.6	42531.2	55033.7
12.5°	2838.0	3039.6	3345.9	3776.0	5266.2	9896.2	17962.0	29635.2	43777.1	58794.9	78724.2
10°	2942.9	3184.1	3600.1	4491.7	7193.9	13299.5	22992.0	37560.0	56948.1	79836.3	102621.4
7.5°	3031.0	3355.8	3878.1	5001.5	8857.1	16554.7	28909.7	46616.5	69555.9	97135.0	123632.1
5°	3110.2	3540.8	4145.6	5551.1	10347.3	18911.6	32845.2	53380.0	79944.0	110065.0	139319.7
2.5°	3214.9	3713.9	4319.1	5702.4	10943.8	20217.6	35963.4	58841.3	87361.0	119046.3	150875.5
0°	3360.4	3826.6	4425.2	5799.1	10758.3	21035.8	37874.5	61582.2	90611.4	122818.5	156202.0
-2.5°	3474.8	3891.5	4487.0	5721.1	10667.6	20651.0	37012.0	59984.5	87429.2	118550.7	151851.1
-5°	3548.6	3938.0	4514.1	5750.3	10438.7	19180.2	34464.6	55798.4	80949.0	109042.1	139834.9
-7.5°	3591.9	3955.0	4486.0	5566.9	9399.0	17176.5	29930.2	48082.3	70644.5	96640.3	122088.5
-10°	3617.8	3944.0	4427.2	5307.5	7905.9	13959.0	23629.2	39013.6	58562.4	79509.6	100325.3
-12.5°	3627.6	3920.8	4344.4	4936.1	6338.6	10928.2	18809.7	29728.0	44239.4	61422.3	79764.4
-15°	3608.5	3886.9	4264.4	4776.6	5709.8	8192.3	13125.1	20550.8	31367.1	44486.3	57777.9
-17.5°	3537.7	3852.0	4145.8	4539.1	5088.4	6259.1	9261.4	14027.7	20623.6	29295.3	36963.7
-20°	3443.8	3786.0	4037.6	4385.2	4816.5	5352.3	6315.2	9224.0	12922.5	17942.9	22947.9



REPORT NUMBER: P1306024 (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°	3360.1	3673.3	3989.6	4228.2	4566.0	4918.2	5353.0	6185.1	8043.6	10550.0	13722.8
-25°	3283.0	3569.6	3894.3	4152.3	4342.8	4591.8	4864.2	5155.7	5787.0	6378.9	7909.6
-27.5°	3174.4	3471.4	3752.9	4028.3	4211.9	4324.9	4510.5	4691.7	4956.1	5191.2	5640.7
-30°	3048.1	3338.6	3606.5	3856.7	4044.8	4163.6	4255.7	4380.3	4520.2	4662.5	4855.7
-32.5°	2597.8	3182.7	3432.0	3657.9	3852.0	3991.7	4089.1	4170.9	4251.7	4342.8	4444.6
-35°	2104.6	2682.2	3244.9	3421.1	3604.5	3789.5	3933.9	4011.2	4081.5	4145.3	4207.6
-37.5°	1711.2	2118.7	2623.7	3103.8	3326.6	3513.4	3687.0	3822.0	3920.5	3980.3	4036.4
-40°	1557.2	1660.4	2048.9	2444.2	2824.3	3169.4	3346.1	3545.5	3707.5	3795.3	3856.3
-42.5°	1520.3	1567.8	1604.1	1854.5	2156.9	2447.9	2769.9	3089.6	3340.5	3507.7	3632.1
-45°	1439.7	1507.9	1562.1	1584.4	1598.1	1810.2	2059.6	2303.7	2585.4	2876.4	3140.6
-47.5°	1325.5	1414.2	1475.3	1523.1	1551.7	1560.7	1578.2	1633.0	1837.5	2052.6	2257.3
-50°	1198.0	1279.3	1352.5	1419.0	1458.6	1490.8	1521.4	1550.9	1575.9	1607.3	1635.6
-52.5°	1069.6	1144.2	1210.0	1268.4	1320.8	1371.4	1420.1	1456.5	1492.1	1530.3	1561.3
-55°	955.4	1015.8	1070.9	1122.2	1169.5	1212.3	1256.3	1303.3	1352.0	1399.5	1436.5
-57.5°	833.1	891.0	943.2	986.6	1024.7	1056.6	1097.0	1141.1	1186.9	1229.3	1261.4
-60°	709.9	761.0	808.8	850.9	887.0	916.7	954.1	991.3	1032.2	1068.5	1097.1
-62.5°	592.8	635.9	676.5	713.3	746.2	776.3	809.5	842.8	881.1	914.9	942.3
-65°	495.5	528.9	556.7	582.8	603.1	629.2	661.3	692.0	725.4	754.7	779.0
-67.5°	390.2	421.0	446.4	469.2	487.1	505.7	529.5	553.9	579.8	603.1	623.5
-70°	298.1	318.8	335.4	352.4	370.7	388.5	407.5	428.4	450.1	469.3	486.2
-72.5°	229.9	240.2	249.9	263.7	276.0	288.4	300.4	315.4	331.6	346.1	359.3
-75°	190.0	196.3	203.7	210.3	216.0	222.6	229.2	238.9	249.5	259.6	269.0
-77.5°	170.4	175.0	178.8	181.8	184.5	188.5	192.8	200.0	207.8	216.2	224.7
-80°	153.9	157.4	160.5	163.2	165.6	168.9	172.4	178.7	185.4	192.5	199.6
-82.5°	138.6	141.4	143.9	146.3	148.6	151.5	154.3	159.9	165.6	171.6	177.5
-85°	124.2	126.5	128.7	130.7	132.7	135.1	137.5	142.3	147.0	152.1	157.1
-87.5°	111.5	113.7	115.8	117.6	119.4	121.5	123.6	127.8	132.0	136.2	140.4
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



REPORT NUMBER: P1306024 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	128.9	129.2	129.6	129.9	129.6	129.2	128.9	128.6	124.8	121.0	117.9
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.9	0.6	0.6
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
82.5°	2.2	1.9	2.2	2.5	2.2	1.9	2.2	2.5	2.2	1.9	1.9
80°	2.2	1.9	2.2	2.5	2.2	1.9	2.2	2.5	2.2	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	3.1	2.5	2.2	1.9	2.2	2.5	3.1	3.7	3.8	3.9	3.7
72.5°	13.0	13.0	13.2	13.3	13.2	13.0	13.0	12.7	11.6	10.7	9.9
70°	16.5	16.9	17.1	17.1	17.1	16.9	16.5	16.0	15.1	14.5	14.2
67.5°	16.9	16.6	16.2	15.8	16.2	16.6	16.9	16.7	15.7	15.0	14.6
65°	10.5	9.8	8.7	7.6	8.7	9.8	10.5	11.1	11.2	11.4	11.8
62.5°	6.1	5.9	5.7	5.7	5.7	5.9	6.1	6.3	6.5	6.9	7.5
60°	3.6	3.8	3.8	3.8	3.8	3.8	3.6	3.5	3.4	3.7	4.1
57.5°	2.7	3.1	3.4	3.8	3.4	3.1	2.7	2.6	2.5	2.7	3.0
55°	6.5	7.2	7.5	7.6	7.5	7.2	6.5	6.1	5.7	5.6	6.2
52.5°	34.2	32.5	31.0	29.8	31.0	32.5	34.2	35.5	34.6	31.5	27.4
50°	147.9	151.7	153.5	153.3	153.5	151.7	147.9	145.2	139.2	128.1	111.9
47.5°	304.5	306.7	305.0	300.2	305.0	306.7	304.5	298.2	295.3	294.8	290.8
45°	605.4	579.2	532.6	491.5	532.6	579.2	605.4	558.4	519.9	486.8	451.0
42.5°	947.7	979.1	1002.7	1013.5	1002.7	979.1	947.7	891.0	848.2	818.9	813.8
40°	1189.3	1155.8	1149.0	1154.1	1149.0	1155.8	1189.3	1222.0	1192.9	1209.2	1195.9
37.5°	1428.4	1458.9	1481.5	1444.9	1481.5	1458.9	1428.4	1424.8	1410.6	1384.4	1356.1
35°	1582.4	1690.8	1818.1	1856.6	1818.1	1690.8	1582.4	1528.6	1505.4	1476.4	1454.2
32.5°	1840.0	1954.5	2004.1	2016.2	2004.1	1954.5	1840.0	1708.2	1629.4	1591.8	1568.1
30°	2249.9	2364.2	2384.8	2401.4	2384.8	2364.2	2249.9	2074.6	1892.5	1807.0	1732.4
27.5°	3163.5	3419.2	3479.8	3522.5	3479.8	3419.2	3163.5	2853.1	2385.4	2168.2	1989.3
25°	5807.7	6472.9	6907.3	6865.2	6907.3	6472.9	5807.7	4845.4	3626.4	3060.6	2456.0
22.5°	12242.7	13548.3	14245.1	14232.7	14245.1	13548.3	12242.7	9791.5	7345.0	5379.8	3839.9
20°	24795.1	28658.5	30749.6	30511.4	30749.6	28658.5	24795.1	19088.3	15082.6	10306.8	7015.4
17.5°	43234.8	50696.6	55909.7	56123.2	55909.7	50696.6	43234.8	34879.0	27439.8	18961.1	12202.2
15°	66853.8	77925.4	85741.3	85740.3	85741.3	77925.4	66853.8	55033.7	42531.2	30612.6	20337.5
12.5°	95599.6	108833.7	117776.3	119117.4	117776.3	108833.7	95599.6	78724.2	58794.9	43777.1	29635.2
10°	123187.9	138178.3	151697.4	155419.7	151697.4	138178.3	123187.9	102621.4	79836.3	56948.1	37560.0
7.5°	146539.2	170120.2	182434.9	186313.5	182434.9	170120.2	146539.2	123632.1	97135.0	69555.9	46616.5
5°	169460.0	189871.3	200210.5	203203.8	200210.5	189871.3	169460.0	139319.7	110065.0	79944.0	53380.0
2.5°	181517.1	200252.6	214784.6	223212.2	214784.6	200252.6	181517.1	150875.5	119046.3	87361.0	58841.3
0°	186053.4	203853.7	223342.4	236616.3	223342.4	203853.7	186053.4	156202.0	122818.5	90611.4	61582.2
-2.5°	181516.0	198739.9	213101.9	220094.1	213101.9	198739.9	181516.0	151851.1	118550.7	87429.2	59984.5
-5°	167761.7	188020.9	198477.5	201124.8	198477.5	188020.9	167761.7	139834.9	109042.1	80949.0	55798.4
-7.5°	145794.3	165278.5	178098.9	180986.6	178098.9	165278.5	145794.3	122088.5	96640.3	70644.5	48082.3
-10°	121338.0	137980.8	146629.9	148768.6	146629.9	137980.8	121338.0	100325.3	79509.6	58562.4	39013.6
-12.5°	94282.3	106487.4	115316.3	116514.6	115316.3	106487.4	94282.3	79764.4	61422.3	44239.4	29728.0
-15°	70178.6	78250.5	85368.3	86186.2	85368.3	78250.5	70178.6	57777.9	44486.3	31367.1	20550.8
-17.5°	47016.0	53698.8	57681.4	58830.6	57681.4	53698.8	47016.0	36963.7	29295.3	20623.6	14027.7
-20°	28170.3	32952.4	35606.5	35706.3	35606.5	32952.4	28170.3	22947.9	17942.9	12922.5	9224.0



REPORT NUMBER: P1306024 (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°	16343.0	19003.9	20408.1	20380.9	20408.1	19003.9	16343.0	13722.8	10550.0	8043.6	6185.1
-25°	9425.4	10590.4	11055.4	11071.9	11055.4	10590.4	9425.4	7909.6	6378.9	5787.0	5155.7
-27.5°	6001.5	6269.0	6376.1	6393.3	6376.1	6269.0	6001.5	5640.7	5191.2	4956.1	4691.7
-30°	5031.7	5188.2	5260.1	5280.3	5260.1	5188.2	5031.7	4855.7	4662.5	4520.2	4380.3
-32.5°	4540.2	4626.4	4684.6	4676.0	4684.6	4626.4	4540.2	4444.6	4342.8	4251.7	4170.9
-35°	4268.5	4321.8	4354.4	4370.1	4354.4	4321.8	4268.5	4207.6	4145.3	4081.5	4011.2
-37.5°	4092.2	4139.9	4170.8	4180.1	4170.8	4139.9	4092.2	4036.4	3980.3	3920.5	3822.0
-40°	3908.8	3948.5	3973.9	3983.1	3973.9	3948.5	3908.8	3856.3	3795.3	3707.5	3545.5
-42.5°	3710.9	3753.6	3773.9	3774.0	3773.9	3753.6	3710.9	3632.1	3507.7	3340.5	3089.6
-45°	3357.3	3488.6	3554.4	3557.4	3554.4	3488.6	3357.3	3140.6	2876.4	2585.4	2303.7
-47.5°	2443.6	2573.3	2677.6	2754.8	2677.6	2573.3	2443.6	2257.3	2052.6	1837.5	1633.0
-50°	1660.4	1669.0	1669.5	1662.1	1669.5	1669.0	1660.4	1635.6	1607.3	1575.9	1550.9
-52.5°	1585.5	1594.4	1600.9	1604.5	1600.9	1594.4	1585.5	1561.3	1530.3	1492.1	1456.5
-55°	1463.8	1475.0	1479.6	1477.8	1479.6	1475.0	1463.8	1436.5	1399.5	1352.0	1303.3
-57.5°	1283.0	1290.4	1293.8	1292.8	1293.8	1290.4	1283.0	1261.4	1229.3	1186.9	1141.1
-60°	1114.7	1120.1	1123.3	1123.1	1123.3	1120.1	1114.7	1097.1	1068.5	1032.2	991.3
-62.5°	957.7	962.6	966.1	966.6	966.1	962.6	957.7	942.3	914.9	881.1	842.8
-65°	791.3	795.0	797.4	796.9	797.4	795.0	791.3	779.0	754.7	725.4	692.0
-67.5°	632.5	635.2	637.3	637.2	637.3	635.2	632.5	623.5	603.1	579.8	553.9
-70°	491.6	491.7	492.8	492.2	492.8	491.7	491.6	486.2	469.3	450.1	428.4
-72.5°	362.3	361.9	361.7	360.4	361.7	361.9	362.3	359.3	346.1	331.6	315.4
-75°	269.9	268.9	268.0	266.7	268.0	268.9	269.9	269.0	259.6	249.5	238.9
-77.5°	225.7	225.6	224.1	222.3	224.1	225.6	225.7	224.7	216.2	207.8	200.0
-80°	200.1	199.9	199.2	198.3	199.2	199.9	200.1	199.6	192.5	185.4	178.7
-82.5°	178.1	178.4	178.2	178.0	178.2	178.4	178.1	177.5	171.6	165.6	159.9
-85°	157.8	158.3	158.0	157.7	158.0	158.3	157.8	157.1	152.1	147.0	142.3
-87.5°	140.8	141.3	141.3	141.3	141.3	141.3	140.8	140.4	136.2	132.0	127.8
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	114.7	112.5	110.2	108.7	107.1	105.2	103.3	100.4	97.5	94.7	91.8
87.5°	0.6	0.6	0.6	0.9	1.2	1.2	1.2	1.2	1.1	1.2	1.3
85°	1.7	1.7	1.6	1.4	1.3	1.3	1.3	1.5	1.6	1.6	1.5
82.5°	1.9	1.9	1.9	1.8	1.7	1.6	1.6	1.7	1.9	1.9	1.9
80°	1.9	2.1	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.9
77.5°	1.9	2.0	2.2	2.4	2.5	2.6	2.6	2.5	2.5	2.6	2.6
75°	3.6	3.9	3.8	3.5	3.3	3.2	3.1	3.0	3.0	3.1	3.2
72.5°	9.3	9.1	8.8	8.0	7.1	7.1	7.0	6.3	5.3	4.0	3.2
70°	14.3	14.6	15.0	15.6	15.6	15.0	13.6	12.0	10.3	8.5	6.6
67.5°	15.5	17.1	18.5	19.7	20.0	20.2	19.6	18.7	18.4	16.8	12.1
65°	13.4	15.8	17.6	18.7	19.2	20.4	22.2	22.4	24.3	24.6	20.1
62.5°	9.2	11.4	12.9	14.5	15.3	16.8	19.9	23.2	27.8	29.7	25.7
60°	5.3	6.4	8.3	10.0	11.1	13.5	17.4	22.5	28.6	29.4	28.4
57.5°	4.0	5.0	6.4	7.9	8.4	11.1	15.1	21.2	27.4	28.5	26.8
55°	6.8	7.7	8.5	10.2	11.4	13.6	15.6	20.6	26.6	29.1	29.3
52.5°	20.7	25.0	25.0	20.1	20.8	23.6	22.0	26.0	29.9	33.3	34.5
50°	103.4	102.8	88.8	71.7	74.9	56.3	56.7	50.1	44.5	46.1	44.3
47.5°	274.1	251.6	229.5	211.8	189.1	167.6	150.6	118.9	109.4	77.6	76.8
45°	435.4	418.2	397.5	364.0	340.2	307.7	283.5	251.9	214.2	182.3	129.9
42.5°	778.4	634.1	539.8	504.4	456.0	422.4	396.0	368.7	340.6	300.6	251.8
40°	1165.3	1128.8	926.2	700.2	594.1	519.3	484.7	460.8	446.4	415.6	369.2
37.5°	1332.8	1294.0	1238.8	1131.7	841.6	673.2	592.2	545.8	542.1	513.7	472.5
35°	1425.4	1396.9	1369.0	1299.0	1144.1	996.5	770.5	662.4	610.0	597.7	564.0
32.5°	1540.8	1514.2	1477.8	1441.3	1403.0	1388.2	1136.7	872.2	694.9	660.3	630.5
30°	1677.2	1654.1	1610.5	1577.3	1573.8	1560.4	1505.5	1183.2	896.7	714.6	694.0
27.5°	1913.9	1818.3	1766.7	1751.2	1747.5	1739.6	1701.9	1550.0	1135.7	866.4	748.3
25°	2296.8	2110.0	2018.6	1995.0	1996.3	1967.8	1940.9	1815.5	1506.7	1049.9	804.4
22.5°	2918.9	2591.1	2424.8	2344.8	2290.7	2250.2	2169.1	2051.9	1891.6	1313.1	961.3
20°	4259.4	3235.1	2890.2	2696.7	2545.5	2436.8	2327.6	2219.9	2039.5	1632.7	1126.7
17.5°	7522.5	4519.5	3361.4	3036.4	2803.2	2610.8	2487.5	2349.7	2172.1	1885.8	1266.2
15°	11822.5	6813.0	4340.9	3432.9	3100.0	2842.3	2696.0	2520.2	2332.6	2043.1	1471.0
12.5°	17962.0	9896.2	5266.2	3776.0	3345.9	3039.6	2838.0	2693.5	2490.8	2207.1	1719.1
10°	22992.0	13299.5	7193.9	4491.7	3600.1	3184.1	2942.9	2787.1	2603.4	2357.2	1950.9
7.5°	28909.7	16554.7	8857.1	5001.5	3878.1	3355.8	3031.0	2853.2	2677.7	2416.2	2077.8
5°	32845.2	18911.6	10347.3	5551.1	4145.6	3540.8	3110.2	2900.7	2714.9	2434.8	2163.1
2.5°	35963.4	20217.6	10943.8	5702.4	4319.1	3713.9	3214.9	2959.8	2741.3	2457.4	2228.2
0°	37874.5	21035.8	10758.3	5799.1	4425.2	3826.6	3360.4	3025.3	2752.9	2471.7	2263.3
-2.5°	37012.0	20651.0	10667.6	5721.1	4487.0	3891.5	3474.8	3172.4	2816.8	2492.4	2278.4
-5°	34464.6	19180.2	10438.7	5750.3	4514.1	3938.0	3548.6	3265.8	2875.8	2517.2	2264.3
-7.5°	29930.2	17176.5	9399.0	5566.9	4486.0	3955.0	3591.9	3312.9	2949.9	2594.8	2248.2
-10°	23629.2	13959.0	7905.9	5307.5	4427.2	3944.0	3617.8	3316.8	2978.2	2650.9	2193.6
-12.5°	18809.7	10928.2	6338.6	4936.1	4344.4	3920.8	3627.6	3292.8	2988.8	2702.6	2128.1
-15°	13125.1	8192.3	5709.8	4776.6	4264.4	3886.9	3608.5	3247.6	2977.6	2725.6	2006.5
-17.5°	9261.4	6259.1	5088.4	4539.1	4145.8	3852.0	3537.7	3213.3	2943.3	2601.7	1819.2
-20°	6315.2	5352.3	4816.5	4385.2	4037.6	3786.0	3443.8	3162.2	2875.7	2342.1	1682.1



REPORT NUMBER: P1306024 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5353.0	4918.2	4566.0	4228.2	3989.6	3673.3	3360.1	3085.3	2776.8	2047.9	1531.0
-25°	4864.2	4591.8	4342.8	4152.3	3894.3	3569.6	3283.0	2963.1	2441.5	1804.8	1391.8
-27.5°	4510.5	4324.9	4211.9	4028.3	3752.9	3471.4	3174.4	2777.4	2058.1	1607.1	1395.6
-30°	4255.7	4163.6	4044.8	3856.7	3606.5	3338.6	3048.1	2374.7	1796.5	1452.4	1390.6
-32.5°	4089.1	3991.7	3852.0	3657.9	3432.0	3182.7	2597.8	1995.7	1555.2	1442.6	1357.9
-35°	3933.9	3789.5	3604.5	3421.1	3244.9	2682.2	2104.6	1671.1	1492.1	1419.5	1313.3
-37.5°	3687.0	3513.4	3326.6	3103.8	2623.7	2118.7	1711.2	1532.5	1469.1	1368.8	1247.1
-40°	3346.1	3169.4	2824.3	2444.2	2048.9	1660.4	1557.2	1507.9	1411.3	1301.2	1167.1
-42.5°	2769.9	2447.9	2156.9	1854.5	1604.1	1567.8	1520.3	1436.6	1334.7	1209.1	1082.7
-45°	2059.6	1810.2	1598.1	1584.4	1562.1	1507.9	1439.7	1343.0	1231.5	1112.9	993.4
-47.5°	1578.2	1560.7	1551.7	1523.1	1475.3	1414.2	1325.5	1230.0	1122.3	1013.4	911.1
-50°	1521.4	1490.8	1458.6	1419.0	1352.5	1279.3	1198.0	1108.3	1013.6	922.3	825.7
-52.5°	1420.1	1371.4	1320.8	1268.4	1210.0	1144.2	1069.6	995.5	915.4	826.4	737.1
-55°	1256.3	1212.3	1169.5	1122.2	1070.9	1015.8	955.4	885.2	806.4	724.6	648.8
-57.5°	1097.0	1056.6	1024.7	986.6	943.2	891.0	833.1	764.8	695.3	626.9	560.8
-60°	954.1	916.7	887.0	850.9	808.8	761.0	709.9	651.9	589.0	538.0	488.1
-62.5°	809.5	776.3	746.2	713.3	676.5	635.9	592.8	551.4	504.6	458.0	409.4
-65°	661.3	629.2	603.1	582.8	556.7	528.9	495.5	458.7	415.2	372.4	327.9
-67.5°	529.5	505.7	487.1	469.2	446.4	421.0	390.2	357.2	325.5	294.1	259.2
-70°	407.5	388.5	370.7	352.4	335.4	318.8	298.1	274.5	247.9	227.1	208.2
-72.5°	300.4	288.4	276.0	263.7	249.9	240.2	229.9	217.2	202.7	186.6	172.8
-75°	229.2	222.6	216.0	210.3	203.7	196.3	190.0	182.8	175.1	166.5	157.9
-77.5°	192.8	188.5	184.5	181.8	178.8	175.0	170.4	164.6	158.6	151.4	144.4
-80°	172.4	168.9	165.6	163.2	160.5	157.4	153.9	148.9	143.7	137.7	131.8
-82.5°	154.3	151.5	148.6	146.3	143.9	141.4	138.6	134.3	129.9	124.7	119.6
-85°	137.5	135.1	132.7	130.7	128.7	126.5	124.2	120.4	116.6	112.3	108.0
-87.5°	123.6	121.5	119.4	117.6	115.8	113.7	111.5	108.4	105.3	101.9	98.5
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.3



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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°	88.0	84.2	81.4	78.5	75.4	72.2	68.7	65.2	60.8	56.4	51.0
87.5°	1.3	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.9
85°	1.5	1.5	1.7	1.9	1.9	1.9	1.9	1.8	2.0	2.1	2.1
82.5°	1.9	1.9	1.9	1.9	2.1	2.2	2.1	2.1	2.3	2.5	2.4
80°	2.1	2.2	2.2	2.1	2.3	2.5	2.4	2.4	2.6	2.8	2.7
77.5°	2.6	2.6	2.5	2.4	2.4	2.5	2.6	2.6	2.9	3.0	3.0
75°	3.2	3.0	2.6	2.6	2.7	2.6	2.8	3.0	3.2	3.3	3.3
72.5°	3.2	3.2	2.9	2.8	3.2	3.3	3.3	3.4	3.7	3.8	3.7
70°	4.8	3.7	3.5	3.6	3.9	4.1	4.2	4.3	4.1	4.4	4.4
67.5°	7.7	6.3	5.3	4.6	4.6	4.9	5.1	5.3	5.3	5.0	5.1
65°	14.8	10.7	7.5	6.6	5.9	5.8	6.0	6.5	6.5	6.3	5.8
62.5°	21.2	16.4	12.6	9.4	7.9	7.9	7.0	7.8	7.8	7.7	7.0
60°	26.9	22.0	18.2	14.9	12.0	10.6	10.0	9.3	9.5	9.2	8.5
57.5°	27.1	26.7	25.0	21.1	18.4	15.4	13.8	12.6	11.4	11.3	10.1
55°	27.5	27.9	31.2	28.9	26.2	22.1	19.3	17.0	14.3	13.5	11.7
52.5°	32.9	33.8	36.5	38.2	36.2	30.6	27.6	21.8	19.6	16.0	14.0
50°	42.2	45.5	45.9	49.1	47.5	43.7	36.6	30.7	25.5	19.6	16.5
47.5°	65.8	68.9	63.1	64.6	61.7	58.9	50.3	41.3	31.9	25.5	19.2
45°	125.3	107.8	97.7	89.2	81.6	78.4	66.8	53.1	42.7	31.7	21.9
42.5°	203.0	176.8	156.4	118.7	114.4	101.3	86.8	71.2	54.5	38.2	26.4
40°	312.7	262.6	227.9	187.9	154.9	127.2	112.4	91.6	67.0	46.4	32.2
37.5°	416.0	352.0	307.9	259.2	205.8	169.6	140.7	113.4	81.9	57.9	38.2
35°	499.1	435.5	375.7	325.5	271.4	212.1	171.0	137.9	101.1	69.8	44.3
32.5°	574.4	506.7	439.0	382.4	323.7	253.5	206.4	162.1	120.4	82.2	50.7
30°	641.1	576.5	499.3	429.2	366.8	296.8	239.8	184.7	139.8	94.9	58.0
27.5°	714.0	648.7	560.5	480.0	404.7	334.5	266.5	205.8	159.1	107.8	67.7
25°	782.4	716.1	628.6	537.1	443.0	364.6	291.4	225.4	177.2	120.9	76.9
22.5°	828.3	772.9	691.2	597.4	485.3	393.9	315.8	246.7	189.5	132.9	85.4
20°	865.3	822.7	746.5	643.1	531.2	428.6	340.1	264.0	200.9	143.7	93.4
17.5°	918.1	863.0	785.8	681.5	573.4	463.5	363.6	280.2	211.3	153.4	100.8
15°	1047.8	898.3	823.9	717.6	605.9	493.3	386.4	295.6	220.8	162.0	107.5
12.5°	1182.3	932.6	860.8	748.8	629.9	518.8	408.3	309.9	229.4	170.7	113.4
10°	1308.6	962.4	895.1	777.3	650.8	540.3	429.0	325.5	242.1	179.6	118.8
7.5°	1415.4	989.6	927.5	803.1	669.6	559.6	449.9	345.0	254.9	187.8	123.5
5°	1505.5	1014.6	958.8	834.9	691.9	577.5	468.2	363.1	266.9	195.2	127.5
2.5°	1567.0	1037.2	987.1	864.6	711.4	592.3	484.0	379.5	277.9	201.7	131.0
0°	1607.7	1057.8	1011.0	890.0	727.8	604.3	497.2	394.0	287.6	207.1	133.7
-2.5°	1620.5	1079.3	1030.6	911.6	754.0	620.3	506.9	400.8	294.2	213.2	138.2
-5°	1611.3	1099.2	1046.6	928.7	776.0	633.1	514.1	405.4	299.4	218.1	142.0
-7.5°	1583.9	1121.4	1060.0	941.5	792.8	642.3	518.6	407.8	303.1	221.7	144.9
-10°	1536.9	1143.8	1070.7	946.3	795.4	647.1	520.7	408.1	305.4	223.9	147.0
-12.5°	1477.8	1164.2	1077.3	945.5	792.3	648.1	522.5	407.2	306.0	224.7	148.1
-15°	1402.3	1190.0	1085.8	939.6	785.3	646.1	520.9	404.1	304.1	223.4	148.2
-17.5°	1303.3	1214.1	1091.2	932.0	775.6	641.1	515.6	398.1	300.5	219.8	146.8
-20°	1300.8	1224.5	1088.3	917.5	761.8	632.1	506.6	389.2	295.2	214.8	144.4



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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°	1318.9	1220.2	1071.2	898.2	745.3	619.4	494.8	377.5	288.1	208.6	141.0
-25°	1328.8	1212.0	1047.3	877.4	728.4	603.3	480.9	365.3	279.3	201.1	136.7
-27.5°	1312.6	1187.6	1016.0	849.7	709.1	584.1	464.9	356.5	271.4	192.3	131.6
-30°	1284.9	1141.6	977.8	817.6	684.2	561.9	446.0	345.9	262.6	185.1	125.6
-32.5°	1243.5	1092.1	934.7	786.7	655.7	536.3	424.5	333.3	252.4	179.1	121.6
-35°	1178.4	1036.2	888.4	752.0	624.2	510.2	404.1	318.6	240.7	171.4	118.3
-37.5°	1108.0	972.2	845.6	714.3	591.3	481.8	386.0	303.1	227.7	162.1	114.5
-40°	1034.3	907.4	790.6	673.6	557.3	451.1	365.3	285.5	214.9	151.2	109.9
-42.5°	957.0	844.0	733.7	626.2	520.4	425.3	342.2	265.3	199.7	143.1	104.5
-45°	884.7	777.6	673.5	576.1	480.9	396.4	316.5	242.9	182.7	136.0	100.5
-47.5°	808.6	708.7	613.1	522.6	444.9	364.4	287.6	222.2	164.5	127.9	98.9
-50°	730.3	638.6	551.6	474.2	403.1	328.7	257.5	199.8	153.6	118.4	96.9
-52.5°	651.0	568.0	494.1	426.1	357.9	289.9	229.5	176.6	141.9	113.1	94.6
-55°	570.8	503.5	439.5	374.5	310.2	253.6	199.4	161.9	129.4	109.6	92.0
-57.5°	502.1	442.5	380.6	319.8	266.3	216.7	176.8	146.4	123.1	105.9	90.2
-60°	433.9	375.3	318.3	270.3	224.7	186.8	158.8	133.6	118.4	102.1	88.1
-62.5°	357.7	307.4	264.9	223.3	191.6	165.2	142.2	127.3	113.3	99.0	85.6
-65°	288.4	249.8	213.6	189.8	166.1	146.2	134.1	120.5	108.6	95.7	83.0
-67.5°	224.4	203.5	182.5	161.0	148.1	137.1	125.6	114.8	104.0	92.1	80.2
-70°	188.7	169.7	157.3	147.6	138.0	128.1	119.1	109.6	99.3	88.6	77.3
-72.5°	163.3	154.2	145.3	136.5	128.7	120.7	112.7	104.1	94.6	84.9	74.2
-75°	149.4	141.7	134.4	127.1	120.1	113.1	106.1	98.4	89.8	81.0	70.9
-77.5°	137.5	130.7	124.1	117.9	112.0	106.0	99.4	92.4	84.7	76.8	67.4
-80°	125.8	120.0	114.5	109.2	104.0	98.7	92.5	86.4	79.4	72.3	63.8
-82.5°	114.4	109.4	104.9	100.3	95.6	90.8	85.6	80.3	74.0	67.8	60.3
-85°	103.5	99.0	95.0	91.0	86.9	82.9	78.8	74.7	69.4	64.0	57.3
-87.5°	94.6	90.7	87.5	84.3	81.0	77.6	73.8	70.0	65.1	60.3	54.2
-90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	45.6	38.3	31.0	22.4	13.9	7.9	1.9
87.5°	2.1	2.1	2.1	2.1	2.0	2.1	1.9
85°	2.2	2.3	2.4	2.2	2.1	2.2	1.9
82.5°	2.4	2.5	2.6	2.4	2.2	2.4	1.9
80°	2.6	2.7	2.8	2.6	2.4	2.5	1.9
77.5°	2.9	3.0	3.0	2.7	2.5	2.7	1.9
75°	3.3	3.4	3.3	2.9	2.6	2.8	1.9
72.5°	3.7	3.8	3.6	3.1	2.8	3.0	1.9
70°	4.1	4.1	4.0	3.3	3.0	3.1	1.9
67.5°	4.9	4.5	4.3	3.6	3.1	3.3	1.9
65°	5.7	5.1	4.7	4.0	3.3	3.5	1.9
62.5°	6.5	6.0	5.1	4.4	3.6	3.6	1.9
60°	7.5	6.8	5.6	4.8	3.8	3.8	1.9
57.5°	8.9	7.7	6.4	5.2	4.2	4.0	1.9
55°	10.4	8.7	7.3	5.6	4.6	4.1	1.9
52.5°	11.9	9.7	8.2	6.0	5.1	4.3	1.9
50°	13.4	11.1	9.1	6.4	5.6	4.5	1.9
47.5°	15.0	12.6	10.0	6.9	6.0	4.7	1.9
45°	17.4	14.1	11.0	7.7	6.5	4.8	1.9
42.5°	19.8	15.7	12.0	8.4	7.0	5.0	1.9
40°	22.4	17.3	13.1	9.3	7.5	5.2	1.9
37.5°	25.3	19.0	14.4	10.4	8.0	5.4	1.9
35°	28.3	21.1	15.7	11.4	8.5	5.5	1.9
32.5°	31.9	23.4	16.9	12.5	9.0	5.7	1.9
30°	37.2	25.8	18.2	13.5	9.6	5.9	1.9
27.5°	42.4	28.1	19.9	14.6	10.1	6.1	1.9
25°	47.5	30.4	21.5	15.6	10.6	6.2	1.9
22.5°	52.5	32.7	23.1	16.6	11.1	6.4	1.9
20°	57.3	35.1	24.7	17.6	11.6	6.5	1.9
17.5°	61.8	37.4	26.3	18.6	12.1	6.7	1.9
15°	65.9	39.6	27.8	19.6	12.6	6.9	1.9
12.5°	69.7	41.7	29.2	20.6	13.1	7.0	1.9
10°	73.2	43.6	30.6	21.5	13.6	7.1	1.9
7.5°	76.3	45.4	31.9	22.3	14.0	7.3	1.9
5°	79.1	47.1	33.2	23.2	14.4	7.4	1.9
2.5°	81.5	48.6	34.4	24.0	14.8	7.5	1.9
0°	83.6	50.0	35.5	24.7	15.2	7.6	1.9
-2.5°	86.3	52.1	37.1	25.8	15.9	7.9	1.9
-5°	88.6	54.1	38.6	26.8	16.5	8.2	1.9
-7.5°	90.4	55.9	39.9	27.8	17.1	8.5	1.9
-10°	91.9	57.5	41.2	28.7	17.7	8.8	1.9
-12.5°	92.9	59.0	42.4	29.6	18.3	9.0	1.9
-15°	93.4	60.3	43.5	30.3	18.8	9.3	1.9
-17.5°	93.5	61.4	44.5	31.0	19.2	9.5	1.9
-20°	93.1	62.3	45.3	31.7	19.6	9.7	1.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	92.4	63.0	46.0	32.2	20.0	9.9	1.9
-25°	91.2	63.6	46.6	32.7	20.4	10.1	1.9
-27.5°	89.5	64.1	47.1	33.1	20.7	10.3	1.9
-30°	87.3	64.5	47.5	33.3	20.9	10.4	1.9
-32.5°	84.6	64.6	47.9	33.6	21.1	10.5	1.9
-35°	83.7	64.5	48.3	33.7	21.3	10.6	1.9
-37.5°	83.4	64.5	48.5	33.7	21.4	10.7	1.9
-40°	82.9	64.6	48.6	33.7	21.4	10.8	1.9
-42.5°	82.1	64.6	48.6	33.6	21.5	10.8	1.9
-45°	81.1	64.4	48.6	33.5	21.4	10.8	1.9
-47.5°	79.8	64.1	48.4	33.4	21.3	10.8	1.9
-50°	78.9	63.6	48.1	33.3	21.2	10.8	1.9
-52.5°	77.9	62.9	47.6	33.2	21.0	10.8	1.9
-55°	76.7	62.0	47.0	33.0	20.8	10.7	1.9
-57.5°	75.3	60.9	46.3	32.7	20.6	10.6	1.9
-60°	73.7	59.7	45.4	32.3	20.2	10.5	1.9
-62.5°	71.9	58.3	44.7	31.8	19.9	10.4	1.9
-65°	70.0	56.7	43.9	31.3	19.6	10.2	1.9
-67.5°	68.0	55.2	43.0	30.6	19.2	10.1	1.9
-70°	65.7	53.6	42.0	29.9	18.7	9.9	1.9
-72.5°	63.4	51.9	40.8	29.2	18.3	9.7	1.9
-75°	60.9	50.0	39.6	28.4	17.7	9.5	1.9
-77.5°	58.2	48.1	38.3	27.6	17.2	9.3	1.9
-80°	55.4	46.2	37.0	26.7	16.6	9.0	1.9
-82.5°	53.1	44.3	35.6	25.7	16.0	8.8	1.9
-85°	50.7	42.4	34.2	24.7	15.3	8.5	1.9
-87.5°	48.2	40.4	32.6	23.6	14.6	8.2	1.9
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)