

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: P1306032 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-5S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

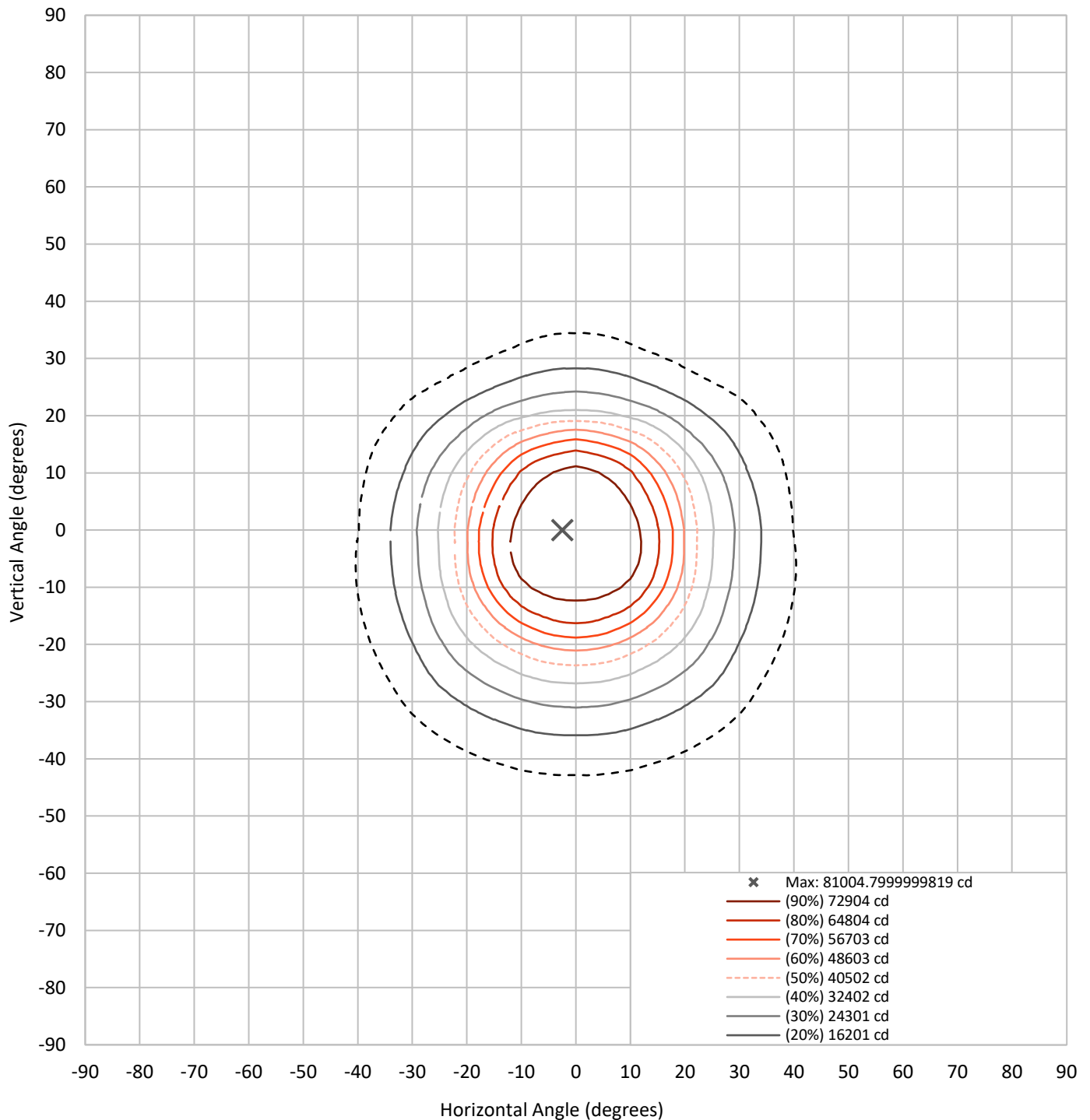
Test Method: LM-79-08  
Report Number: P1306032 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-320N-40-80-5S-VHE-A  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	52745.1 lumens	Max Intensity:	81004.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	157.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	44.5°H x 42.5°V	Field Angle (10%):	79.6°H x 77.3°V
Beam Lumens:	28962 lumens	Field Lumens:	48466.3 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%
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





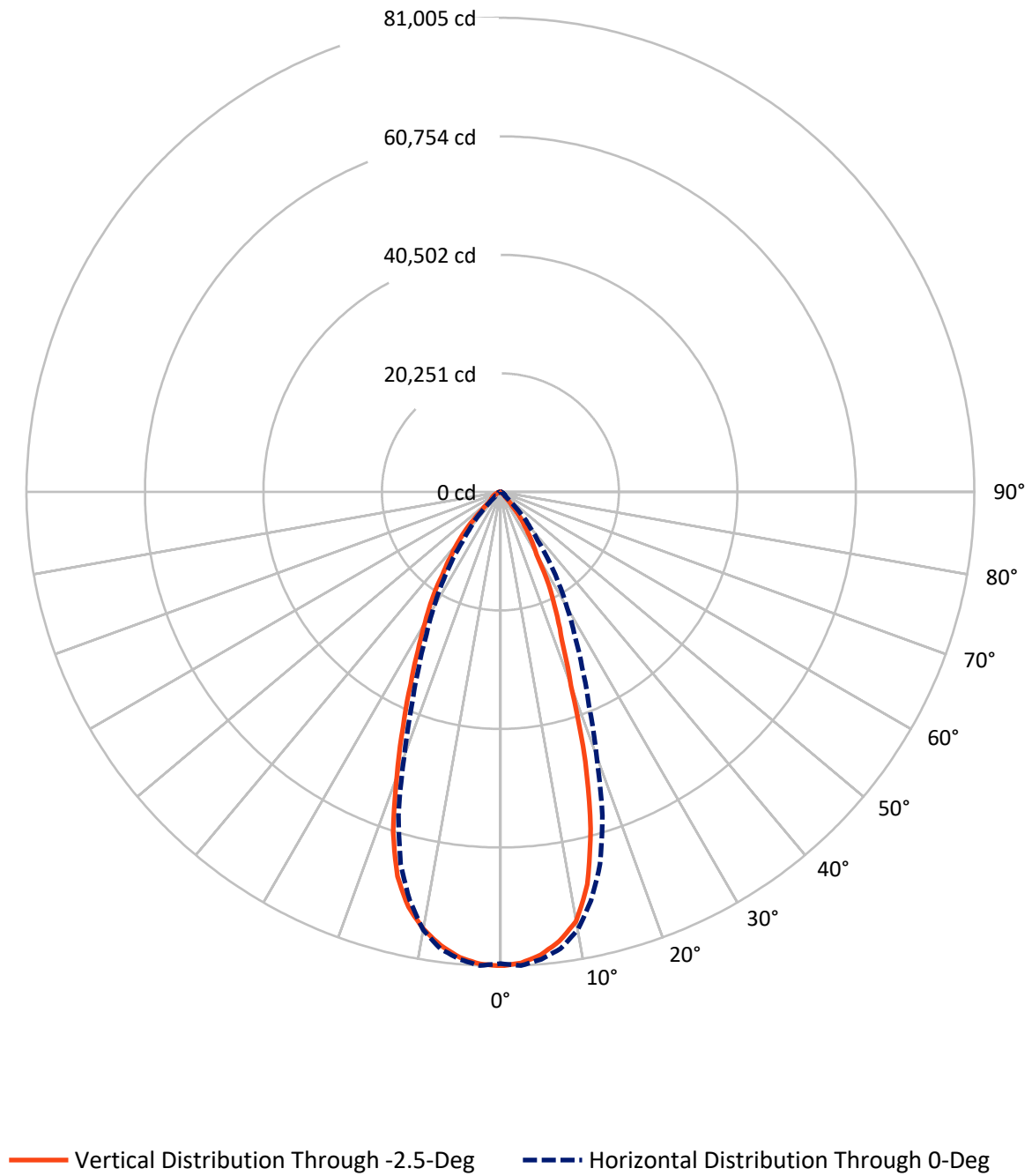
REPORT NUMBER: P1306032 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table

90																			
80	0.2	0.8		1.3		1.8		2.1		1.8		1.3		0.8		0.2			
70																			
60	0.2	0.1	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.2	0.1	0.2			
50		0.3	0.5	0.7	0.8	0.6	0.7	0.8	0.8	0.7	0.6	0.8	0.7	0.5	0.3				
40	0.6	0.7	1.6	3.2	5.7	11.6	25.6	34.5	34.5	25.6	11.6	5.7	3.2	1.6	0.7	0.6			
30		1.6	5.2	10.7	27.1	80.5	149.1	219.7	219.7	149.1	80.5	27.1	10.7	5.2	1.6				
20	1.3	2.7	9.1	23.2	111.7	264.0	485.3	666.2	666.2	485.3	264.0	111.7	23.2	9.1	2.7	1.3			
10		3.8	12.2	52.5	243.9	602.9	1173.0	1676.4	1676.4	1173.0	602.9	243.9	52.5	12.2	3.8				
0	1.9	4.7	14.3	79.7	343.3	875.5	1756.3	2329.8	2329.8	1756.3	875.5	343.3	79.7	14.3	4.7	1.9			
-10		5.2	16.0	84.9	369.9	918.1	1863.3	2366.3	2366.3	1863.3	918.1	369.9	84.9	16.0	5.2				
-20	2.3	5.3	16.8	70.0	315.0	767.2	1445.3	1951.5	1951.5	1445.3	767.2	315.0	70.0	16.8	5.3	2.3			
-30		5.1	16.8	43.5	204.3	508.0	844.7	1095.0	1095.0	844.7	508.0	204.3	43.5	16.8	5.1				
-40	2.3	4.6	14.7	31.3	83.1	247.1	415.8	528.3	528.3	415.8	247.1	83.1	31.3	14.7	4.6	2.3			
-50		3.8	10.9	23.7	40.1	65.6	122.7	172.0	172.0	122.7	65.6	40.1	23.7	10.9	3.8				
-60	2.1	3.1	7.2	14.9	26.3	36.8	45.3	51.8	51.8	45.3	36.8	26.3	14.9	7.2	3.1	2.1			
-70		2.5	4.8	8.4	13.6	18.6	23.7	27.3	27.3	23.7	18.6	13.6	8.4	4.8	2.5				
-80	1.5	9.2		20.4		32.0		39.3		32.0		20.4		9.2		1.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

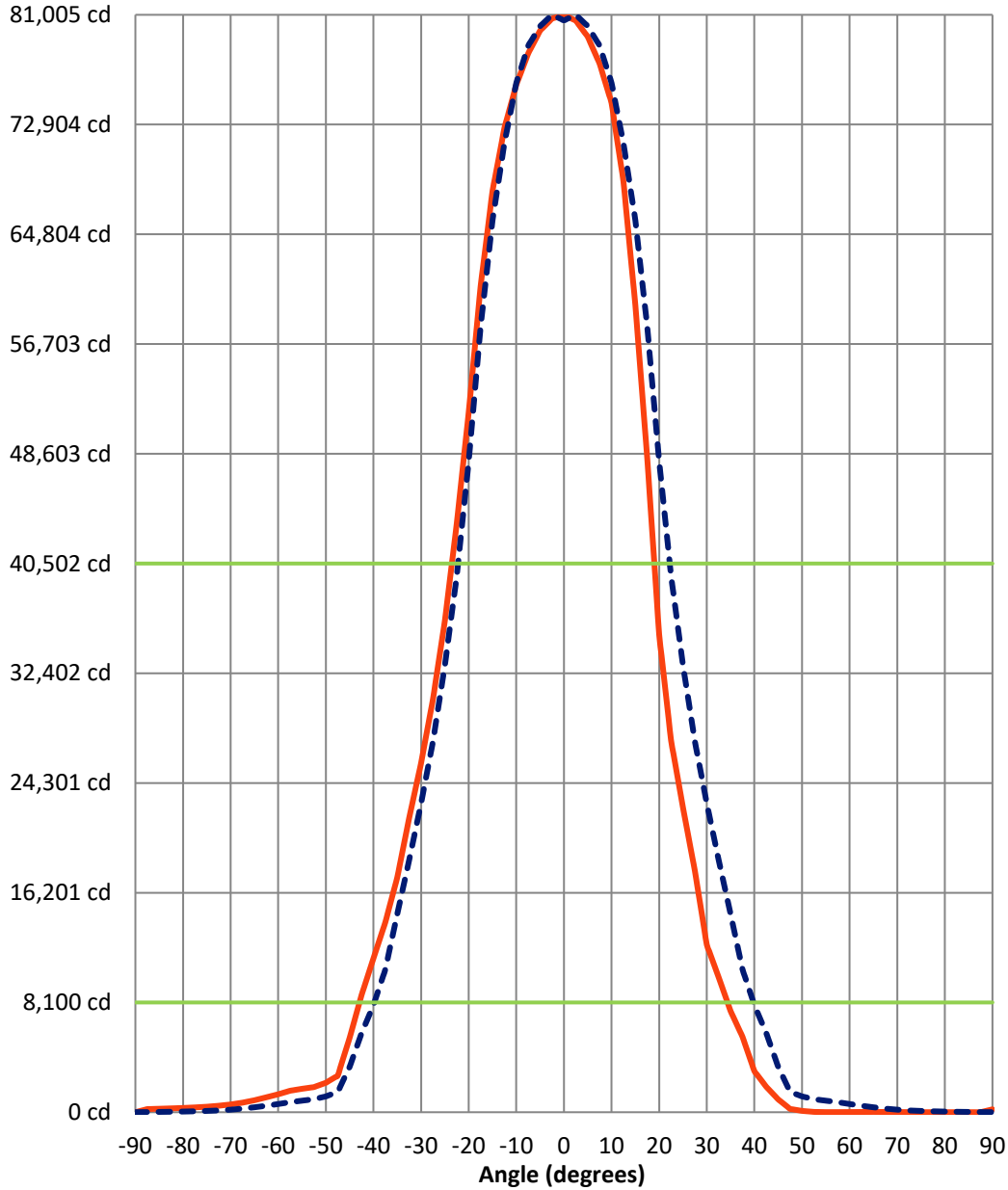
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 44.5°  
 V Angle: 42.5°  
 Lumens: 28962  
 Efficiency: 54.9%

**Field:**  
 H Angle: 79.6°  
 V Angle: 77.3°  
 Lumens: 48466.3  
 Efficiency: 91.9%

**Spill:**  
 Lumens: 4278.8  
 Efficiency: 8.1%

— Vertical Distribution through -2.5-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°	7.0	13.7	20.4	33.7	47.1	59.5	71.9	82.1	92.3	99.6	106.9
87.5°	7.0	6.5	5.9	5.9	5.9	6.0	6.0	5.8	5.5	5.5	5.4
85°	7.0	6.6	6.0	6.1	6.2	6.3	6.4	6.2	6.0	5.8	5.6
82.5°	7.0	6.8	6.2	6.3	6.4	6.5	6.7	6.6	6.4	6.2	5.9
80°	7.0	6.9	6.4	6.5	6.6	6.8	7.0	7.0	6.9	6.6	6.2
77.5°	7.0	7.1	6.6	6.7	6.8	7.1	7.4	7.4	7.3	7.0	6.6
75°	7.0	7.2	6.8	7.0	7.1	7.6	7.8	7.8	7.7	7.3	6.9
72.5°	7.0	7.4	7.0	7.2	7.6	8.0	8.1	8.2	8.0	7.7	7.2
70°	7.0	7.5	7.2	7.4	8.0	8.4	8.6	8.6	8.4	8.0	7.8
67.5°	7.0	7.7	7.4	7.8	8.5	8.9	9.1	9.2	8.9	8.7	8.5
65°	7.0	7.8	7.6	8.2	8.9	9.4	9.7	9.7	9.7	9.5	9.5
62.5°	7.0	8.0	7.9	8.5	9.4	9.9	10.3	10.5	10.7	10.5	11.0
60°	7.0	8.1	8.1	8.9	9.8	10.5	10.9	11.5	11.6	12.6	12.8
57.5°	7.0	8.3	8.5	9.3	10.5	11.0	12.1	12.6	14.3	15.3	16.3
55°	7.0	8.4	9.0	9.6	11.2	11.6	13.5	14.0	17.8	19.0	21.0
52.5°	7.0	8.6	9.4	10.0	11.9	12.3	15.0	17.5	21.6	24.7	26.2
50°	7.0	8.8	9.9	10.4	12.7	14.1	16.6	21.4	26.2	30.8	33.9
47.5°	7.0	8.9	10.4	10.8	13.6	15.9	18.6	25.4	32.2	37.3	42.5
45°	7.0	9.1	11.0	11.5	14.5	17.9	22.1	29.4	38.2	45.5	51.5
42.5°	7.0	9.2	11.5	12.2	15.4	19.9	25.7	34.4	44.5	54.1	65.2
40°	7.0	9.4	12.1	13.3	16.8	22.1	29.4	40.0	51.5	63.0	80.4
37.5°	7.0	9.5	12.7	14.6	18.5	24.3	33.5	45.7	59.5	73.8	96.5
35°	7.0	9.7	13.4	15.9	20.2	27.2	37.6	51.5	67.9	88.3	115.1
32.5°	7.0	9.9	14.0	17.2	21.9	30.5	42.0	57.6	76.4	103.1	136.2
30°	7.0	10.0	14.7	18.6	23.6	33.7	47.1	64.1	85.1	118.2	156.9
27.5°	7.0	10.2	15.3	19.9	26.0	36.9	52.1	71.1	94.8	133.3	177.2
25°	7.0	10.3	16.0	21.3	28.3	40.0	57.0	77.8	106.1	149.7	197.2
22.5°	7.0	10.4	16.7	22.7	30.6	43.2	61.8	84.3	116.7	163.7	218.2
20°	7.0	10.6	17.4	24.1	32.9	46.7	66.3	90.5	126.7	177.0	235.8
17.5°	7.0	10.7	18.0	25.5	35.1	50.0	70.9	96.3	136.0	189.5	252.4
15°	7.0	10.9	18.7	26.9	37.3	53.2	75.3	101.9	144.7	201.2	268.2
12.5°	7.0	11.0	19.4	28.2	39.3	56.2	79.5	107.5	153.3	211.9	283.0
10°	7.0	11.1	20.0	29.6	41.3	59.1	83.4	112.8	161.9	224.6	298.6
7.5°	7.0	11.2	20.6	30.8	43.2	61.8	87.0	117.7	169.9	236.8	317.2
5°	7.0	11.3	21.2	32.1	45.1	64.3	90.4	122.2	177.1	248.2	334.8
2.5°	7.0	11.4	21.8	33.3	46.8	66.7	93.4	126.3	183.5	258.4	351.0
0°	7.0	11.5	22.3	34.4	48.4	68.8	96.1	129.9	189.1	267.4	365.4
-2.5°	7.0	11.9	23.3	35.9	50.6	71.9	100.2	135.2	195.6	275.0	372.9
-5°	7.0	12.4	24.2	37.3	52.8	74.9	104.0	140.0	201.1	281.1	378.4
-7.5°	7.0	12.8	25.0	38.7	54.8	77.5	107.4	144.2	205.5	285.8	382.0
-10°	7.0	13.2	25.8	40.0	56.6	80.0	110.4	147.9	208.9	288.9	383.7
-12.5°	7.0	13.6	26.6	41.2	58.4	82.2	113.0	151.0	211.3	290.5	386.4
-15°	7.0	13.9	27.3	42.3	59.9	84.1	115.3	153.5	212.5	291.0	387.8
-17.5°	7.0	14.3	28.0	43.3	61.3	85.7	117.0	155.7	212.8	289.8	386.2
-20°	7.0	14.6	28.6	44.2	62.6	87.1	118.7	157.5	212.0	286.8	381.4



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 CATALOG NUMBER: EPH-08-320N-40-80-5S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.0	14.9	29.1	45.0	63.6	88.1	120.3	158.8	210.1	282.0	373.7
-25°	7.0	15.2	29.6	45.7	64.5	89.3	121.4	159.5	207.1	275.5	367.1
-27.5°	7.0	15.5	30.0	46.3	65.2	90.5	122.2	159.6	203.0	271.1	362.1
-30°	7.0	15.7	30.3	46.9	65.8	91.4	122.4	159.1	201.3	267.5	354.5
-32.5°	7.0	16.0	30.6	47.2	66.9	92.0	122.1	158.7	201.1	262.2	343.9
-35°	7.0	16.2	30.8	47.5	67.8	92.3	122.2	158.1	200.0	255.0	330.4
-37.5°	7.0	16.3	30.9	47.7	68.6	92.6	122.2	157.2	197.9	245.9	318.1
-40°	7.0	16.5	31.0	47.8	69.1	93.2	121.8	155.5	194.8	240.5	306.3
-42.5°	7.0	16.6	31.0	47.9	69.6	93.7	121.1	153.3	191.7	235.9	292.4
-45°	7.0	16.6	30.9	48.2	70.0	93.9	120.0	151.0	188.3	230.1	277.8
-47.5°	7.0	16.7	30.8	48.3	70.1	93.9	118.6	149.2	184.1	223.1	269.7
-50°	7.0	16.7	30.6	48.3	70.0	93.7	118.0	146.9	178.8	216.7	260.1
-52.5°	7.0	16.7	30.3	48.3	69.7	93.2	117.4	144.1	174.2	209.2	248.5
-55°	7.0	16.7	30.0	48.0	69.2	92.4	116.4	140.9	169.7	200.5	236.8
-57.5°	7.0	16.6	29.6	47.7	68.4	91.3	115.1	139.3	164.6	193.7	224.1
-60°	7.0	16.5	29.1	47.2	67.5	89.9	113.5	137.1	159.5	186.9	211.9
-62.5°	7.0	16.4	28.7	46.5	66.5	88.3	111.4	134.4	156.2	179.2	202.2
-65°	7.0	16.3	28.2	45.8	65.4	86.4	109.0	131.3	152.6	173.1	191.8
-67.5°	7.0	16.1	27.7	44.9	64.0	84.3	106.2	127.5	148.5	167.4	183.9
-70°	7.0	15.9	27.1	43.9	62.5	82.0	103.2	123.4	143.5	161.3	176.6
-72.5°	7.0	15.7	26.4	42.9	60.9	79.5	99.5	119.0	138.1	154.4	169.0
-75°	7.0	15.5	25.7	41.9	59.0	76.7	95.6	113.8	132.3	147.2	160.9
-77.5°	7.0	15.2	24.9	40.8	57.3	73.6	91.2	108.2	125.4	139.4	152.5
-80°	7.0	15.0	24.1	39.6	55.5	70.9	86.7	102.2	118.2	130.6	142.7
-82.5°	7.0	14.7	23.2	38.2	53.6	68.3	83.1	96.7	110.6	121.5	132.3
-85°	7.0	14.4	22.3	36.8	51.5	65.5	79.5	92.0	104.6	113.7	122.8
-87.5°	7.0	14.0	21.4	35.3	49.4	62.5	75.8	87.1	98.6	106.7	114.9
-90°	7.0	6.4	5.7	5.7	5.7	5.7	5.7	5.4	5.1	5.1	5.1



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 CATALOG NUMBER: EPH-08-320N-40-80-5S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	111.4	115.9	120.0	124.1	129.2	134.3	139.7	145.1	150.9	156.6	162.0
87.5°	5.1	4.8	4.8	4.8	4.5	4.3	4.0	3.8	3.5	3.2	3.1
85°	5.4	5.1	5.1	5.1	4.9	4.7	4.4	4.1	3.8	3.5	3.6
82.5°	5.8	5.8	5.5	5.1	5.1	5.1	4.8	4.5	4.3	4.0	3.9
80°	6.2	6.4	5.9	5.4	5.2	5.1	4.9	4.6	4.5	4.5	4.3
77.5°	6.5	6.4	6.1	5.7	5.5	5.3	5.1	4.9	4.8	4.6	4.5
75°	6.7	6.5	6.3	5.9	5.6	5.6	5.5	5.4	5.2	5.2	5.3
72.5°	7.0	6.9	6.5	6.0	5.9	6.0	6.0	5.8	6.0	6.2	6.2
70°	7.6	7.3	6.9	6.5	6.3	6.5	6.8	7.2	7.7	7.8	8.4
67.5°	8.2	8.0	7.3	7.0	6.9	7.2	7.6	9.2	10.7	11.5	12.4
65°	9.2	8.7	8.1	8.0	7.6	9.2	10.5	12.2	15.2	16.7	16.6
62.5°	10.3	10.4	9.5	9.7	11.1	12.5	14.8	18.2	21.8	23.2	21.9
60°	13.0	12.6	12.6	13.5	15.0	16.6	20.1	24.5	28.6	30.8	27.5
57.5°	16.7	16.5	17.5	18.1	19.9	20.4	25.2	30.6	34.1	36.7	32.3
55°	21.8	22.0	23.9	24.5	25.8	25.7	29.9	34.9	38.5	39.7	35.2
52.5°	29.0	29.3	32.7	33.1	32.6	33.1	34.6	40.0	43.0	43.1	39.1
50°	36.8	40.9	43.0	44.3	41.8	43.4	42.0	48.0	52.5	52.1	53.5
47.5°	48.4	53.9	56.9	59.1	57.2	62.0	60.9	70.2	73.3	90.8	93.6
45°	62.2	70.9	74.9	79.8	85.3	91.1	105.9	105.9	147.3	163.6	206.5
42.5°	77.6	90.6	101.9	103.9	131.3	147.3	167.5	209.0	249.4	300.1	319.4
40°	98.0	112.5	135.4	161.4	191.8	226.6	264.2	314.5	367.5	393.8	397.1
37.5°	120.7	148.0	179.9	226.9	273.7	319.4	367.0	416.2	454.4	464.1	499.8
35°	145.1	185.1	244.8	298.7	353.1	416.2	458.6	503.9	526.8	567.0	635.6
32.5°	175.7	223.1	297.4	367.5	428.0	496.7	537.2	571.9	625.8	695.5	847.0
30°	207.7	266.1	341.1	422.2	496.7	554.2	600.4	644.0	728.3	896.7	1416.0
27.5°	234.3	303.0	381.9	472.2	557.2	609.7	662.1	738.1	888.9	1235.9	2220.7
25°	258.2	332.8	421.9	526.7	609.9	667.7	735.9	843.3	1079.8	2021.5	3283.5
22.5°	281.5	362.2	467.5	584.0	663.4	724.7	828.0	1022.0	1517.7	2841.4	4358.3
20°	305.6	399.7	517.0	637.2	714.6	775.2	908.4	1195.4	2210.2	3724.1	5306.6
17.5°	330.9	437.6	565.2	675.0	747.4	828.2	993.3	1337.7	2788.3	4548.5	6319.9
15°	355.6	473.9	606.5	707.6	777.5	885.4	1107.2	1757.4	3399.6	5469.1	7403.4
12.5°	379.2	506.8	638.4	733.2	807.1	938.7	1200.9	2219.9	4134.7	6323.8	8345.3
10°	401.5	536.4	665.3	757.5	839.4	995.5	1291.0	2672.6	4778.2	6879.2	8926.7
7.5°	424.4	561.0	688.0	780.6	870.5	1049.1	1390.3	3024.3	5258.7	7306.5	9375.9
5°	445.1	579.9	709.8	806.4	902.5	1096.6	1470.5	3293.1	5619.1	7659.5	9775.9
2.5°	463.2	594.8	728.4	830.8	933.8	1136.4	1493.7	3367.9	5788.5	7849.4	10169.4
0°	478.7	606.0	743.5	852.4	961.9	1168.8	1499.8	3354.8	5830.4	7907.0	10552.6
-2.5°	487.5	620.5	770.4	883.5	987.1	1194.9	1531.5	3359.7	5865.9	8310.0	11045.3
-5°	493.7	631.4	792.5	911.0	1009.4	1213.2	1549.2	3283.4	5817.9	8522.2	11189.3
-7.5°	497.1	638.2	808.8	933.9	1029.6	1226.5	1559.1	3159.2	5820.6	8531.8	11008.2
-10°	498.9	644.7	816.4	946.8	1046.9	1232.9	1554.3	2945.8	5589.5	8300.9	10709.8
-12.5°	505.0	650.7	819.1	956.3	1060.8	1234.4	1561.4	2737.1	5156.1	7880.4	10283.2
-15°	507.3	652.3	817.6	964.1	1083.2	1249.5	1561.7	2412.9	4593.4	7346.9	9746.7
-17.5°	505.7	649.3	812.9	975.5	1103.9	1250.7	1526.3	1987.6	3950.7	6588.0	9040.4
-20°	500.2	642.6	802.8	981.1	1115.7	1261.1	1515.8	1918.6	3320.9	5639.1	8182.7



REPORT NUMBER: P1306032 (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°	492.2	632.2	788.2	968.8	1129.2	1283.8	1501.7	1826.7	2580.2	4555.2	7121.1
-25°	482.7	620.6	772.6	954.5	1135.4	1298.3	1457.6	1704.1	2145.3	3627.7	5807.0
-27.5°	472.7	604.3	756.0	930.8	1131.6	1291.3	1431.7	1636.1	1947.9	2597.2	4437.8
-30°	460.1	584.6	731.5	900.1	1098.1	1270.0	1415.9	1548.1	1761.1	2151.3	3256.1
-32.5°	444.6	561.6	704.2	865.2	1047.6	1244.4	1379.4	1494.3	1656.5	1895.6	2348.9
-35°	427.1	541.2	674.0	821.2	987.7	1180.3	1324.4	1446.1	1555.6	1739.6	2029.5
-37.5°	409.3	516.1	635.0	774.5	933.1	1090.4	1260.4	1381.6	1492.0	1607.5	1814.0
-40°	388.5	484.8	596.2	725.3	859.7	1002.4	1160.2	1312.0	1421.1	1541.5	1665.3
-42.5°	365.7	455.2	554.7	666.7	787.3	915.6	1055.6	1207.7	1353.9	1469.0	1582.8
-45°	347.4	423.2	510.5	610.2	714.1	828.3	955.9	1089.1	1244.3	1393.3	1498.6
-47.5°	325.1	391.2	471.8	550.8	644.8	746.7	855.7	981.9	1112.1	1258.8	1402.8
-50°	303.9	364.5	426.4	497.7	577.5	667.0	764.2	875.3	995.7	1115.9	1246.5
-52.5°	289.4	335.7	388.5	444.7	514.4	591.2	677.3	771.6	877.1	982.2	1095.4
-55°	273.4	313.5	351.4	399.1	453.9	520.5	595.2	677.6	758.1	854.1	950.2
-57.5°	257.9	291.1	321.6	358.1	403.9	452.8	520.7	589.3	659.2	733.5	814.7
-60°	242.1	269.3	296.0	325.5	358.9	402.2	449.4	506.7	563.9	623.2	695.1
-62.5°	226.3	248.5	271.4	296.9	325.2	354.4	393.1	434.8	474.9	528.9	586.2
-65°	213.6	228.9	247.8	270.2	293.1	319.8	346.8	372.9	408.0	449.0	490.6
-67.5°	200.0	214.3	228.2	243.9	264.6	286.7	308.9	332.4	356.2	384.4	414.7
-70°	190.0	200.2	212.5	225.5	239.1	255.1	274.9	294.4	314.4	337.9	362.1
-72.5°	180.7	190.0	199.2	208.3	220.5	233.8	246.9	260.0	276.7	296.6	315.9
-75°	171.0	179.6	188.1	196.4	205.6	215.5	225.7	237.6	250.5	264.4	277.7
-77.5°	161.2	168.8	176.5	184.1	192.6	201.3	210.3	219.4	229.6	240.3	250.7
-80°	150.7	157.8	164.7	171.5	179.1	186.9	194.9	203.0	212.0	221.3	229.9
-82.5°	139.1	145.4	151.8	158.2	165.2	172.2	179.3	186.4	194.3	202.4	209.7
-85°	128.0	132.9	138.6	144.2	150.6	156.9	163.3	169.6	176.9	184.1	190.6
-87.5°	119.7	124.4	129.0	133.6	139.0	144.5	150.0	155.4	161.8	168.3	173.8
-90°	4.8	4.5	4.5	4.5	4.2	3.8	3.8	3.8	3.5	3.2	2.9



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	167.4	170.9	174.4	177.3	180.2	184.0	187.8	192.9	198.0	203.1	208.2
87.5°	3.1	2.8	2.5	2.5	2.4	2.5	2.5	2.2	1.9	1.9	1.9
85°	3.6	3.5	3.5	3.3	3.1	3.1	3.1	3.1	3.1	2.8	2.5
82.5°	3.8	3.8	3.8	3.5	3.2	3.2	3.2	3.2	3.2	2.9	2.5
80°	4.0	3.9	3.8	3.7	3.6	3.4	3.2	2.9	2.6	2.5	2.5
77.5°	4.6	4.4	4.1	4.0	3.8	3.6	3.3	2.9	2.5	2.5	2.5
75°	5.1	5.0	4.8	4.6	4.2	4.1	4.0	3.9	3.6	3.6	3.7
72.5°	6.2	6.1	6.0	6.2	6.2	6.4	6.7	7.0	7.2	7.7	8.3
70°	9.2	9.8	10.1	10.3	10.2	10.1	10.1	10.3	10.6	10.9	11.2
67.5°	13.4	14.4	14.9	15.2	14.2	13.6	13.7	14.0	14.5	15.4	16.6
65°	17.5	17.2	16.8	16.4	16.6	16.7	16.5	16.7	17.6	18.9	20.5
62.5°	20.5	17.8	16.1	15.3	15.9	16.9	16.2	15.7	16.4	17.2	18.0
60°	23.5	18.4	14.7	13.5	13.4	13.8	12.7	11.6	11.9	12.2	12.7
57.5°	26.3	19.6	13.6	11.6	9.7	8.8	8.5	8.1	7.9	7.8	7.8
55°	28.8	21.4	13.3	11.8	10.5	10.2	9.3	8.9	8.6	8.4	8.6
52.5°	31.9	27.5	21.9	20.4	22.9	23.1	20.4	24.3	27.2	28.6	29.1
50°	52.2	46.7	56.2	55.3	66.3	74.0	71.2	79.9	92.7	100.8	104.2
47.5°	114.7	114.9	133.4	149.8	163.5	181.2	194.8	208.0	226.4	237.7	242.9
45°	217.7	236.2	255.5	283.6	310.7	343.6	383.2	414.3	539.2	663.5	776.6
42.5°	333.2	353.5	381.8	443.2	516.0	684.8	986.6	1155.1	1365.3	1594.2	1682.0
40°	429.3	458.8	536.6	709.3	1130.1	1530.7	1970.7	2342.8	2672.2	2861.7	3020.1
37.5°	548.1	618.5	972.6	1461.6	1984.7	2486.8	2940.0	3333.2	3674.5	3951.3	4225.3
35°	721.1	1188.8	1712.0	2347.8	2903.9	3369.0	3838.5	4289.2	4676.3	5089.7	5704.1
32.5°	1367.0	1978.4	2651.3	3221.2	3764.7	4351.6	4845.0	5565.9	6130.6	6884.4	8036.5
30°	2194.1	2961.5	3571.7	4141.7	4838.6	5628.3	6452.1	7554.8	8707.2	9909.2	11146.3
27.5°	3256.2	4031.1	4674.5	5434.8	6355.0	7405.9	8981.0	10535.3	12188.0	13691.2	14833.6
25°	4536.3	5357.0	6456.7	7559.9	8876.6	10672.6	12442.2	14346.7	16003.6	17478.7	19130.1
22.5°	5736.0	7081.4	8533.5	10199.0	12343.2	14368.8	16556.8	18484.1	20563.4	22665.9	24292.0
20°	6748.9	8501.5	10584.6	12985.6	15362.3	17656.8	20203.0	23275.1	26370.7	29136.2	31143.1
17.5°	8115.1	10334.8	12927.8	15781.6	18340.4	21183.9	24727.5	28719.2	33056.7	36894.7	39937.8
15°	9608.0	12199.9	15131.9	18122.1	21359.3	25169.5	29726.1	34823.8	40129.6	45511.2	50525.0
12.5°	10622.8	13659.5	16861.2	20416.7	24454.5	29563.0	35095.9	40747.1	46810.5	53506.5	59322.4
10°	11490.5	14859.3	18722.0	22857.7	27497.4	32988.8	38707.4	45571.5	53139.9	59733.9	65963.3
7.5°	12348.6	16307.2	20342.1	24648.3	29745.8	35710.3	42478.2	49860.3	57562.6	64729.8	69824.0
5°	13364.0	17470.9	21505.6	26054.4	31392.5	37596.7	44735.4	53212.4	61327.7	67915.8	72510.5
2.5°	14203.6	18169.0	22300.4	26802.5	32288.8	38766.5	46514.3	55934.8	64261.9	70421.9	74579.6
0°	14631.1	18616.1	22800.4	27375.5	32999.7	39609.3	48062.4	57958.7	65828.7	71519.4	75972.0
-2.5°	14683.2	18474.0	22581.2	27093.5	32590.3	39331.0	47996.9	58010.0	66236.5	72151.2	76544.2
-5°	14531.5	18286.8	22386.0	26901.2	32323.6	39344.9	48046.0	57674.4	65623.6	71750.1	75887.2
-7.5°	14165.5	17942.9	22049.8	26498.4	31835.6	38645.2	46760.5	55488.1	63664.5	70284.2	74100.7
-10°	13629.4	17340.9	21384.5	25643.0	30676.3	36972.2	44229.8	52220.0	60482.4	66811.7	71213.0
-12.5°	12951.3	16463.9	20329.3	24355.4	29107.5	34973.2	41442.7	48133.2	55059.4	62275.1	66859.3
-15°	12172.8	15382.5	19000.7	23048.5	27746.7	32635.1	37774.0	43224.8	49556.5	55458.8	60794.9
-17.5°	11434.2	14198.6	17574.5	21518.2	25519.0	29766.5	34170.6	38621.0	43698.3	48331.5	52476.3
-20°	10505.8	12859.7	15970.2	19474.4	23191.9	26872.4	30655.2	34260.8	37946.8	41718.0	45009.7



REPORT NUMBER: P1306032 (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°	9411.7	11700.8	14295.9	17347.1	20916.1	24191.7	27221.5	30039.2	32993.6	35603.1	38312.1
-25°	8219.7	10420.6	12805.5	15587.0	18327.2	21296.7	23811.4	26207.6	28499.3	30548.3	32654.8
-27.5°	6756.0	9079.5	11430.4	13656.5	15917.7	18049.8	20394.4	22605.3	24516.4	26206.8	27876.3
-30°	5107.0	7573.2	9796.9	11706.6	13499.3	15277.6	17072.5	18927.7	20736.9	22276.1	23643.6
-32.5°	3768.1	5825.3	7880.8	9752.2	11321.1	12790.9	14186.8	15642.4	16907.8	18207.1	19471.7
-35°	2493.0	3947.1	5653.5	7555.9	9190.0	10426.5	11692.2	12852.6	13806.6	14813.8	15768.6
-37.5°	2098.1	2485.1	3626.6	5171.1	6684.5	8106.4	9368.6	10377.5	11255.4	12060.0	12884.5
-40°	1850.8	2071.5	2396.3	2957.4	4230.2	5481.0	6781.4	7853.8	8789.1	9560.4	10319.5
-42.5°	1688.4	1839.9	2001.6	2222.6	2440.5	3053.1	4120.6	5046.2	5923.4	6792.4	7574.5
-45°	1604.3	1689.3	1781.8	1902.0	1995.2	2161.2	2346.6	2520.8	3219.0	3973.5	4605.1
-47.5°	1503.4	1594.1	1663.2	1719.9	1765.2	1838.1	1915.1	2015.9	2177.5	2368.1	2513.6
-50°	1374.4	1484.5	1553.5	1610.3	1642.8	1671.0	1698.8	1761.9	1849.5	1953.4	2035.8
-52.5°	1207.7	1316.6	1414.3	1488.1	1524.1	1559.2	1594.1	1637.5	1687.2	1747.3	1790.3
-55°	1050.6	1141.5	1226.1	1294.9	1357.0	1413.5	1467.9	1513.8	1567.5	1624.6	1664.7
-57.5°	901.4	974.9	1044.2	1103.8	1157.6	1205.1	1260.7	1321.0	1389.7	1455.2	1501.3
-60°	762.0	820.4	878.1	926.5	970.2	1009.2	1060.6	1111.2	1171.5	1225.1	1264.1
-62.5°	637.3	688.4	731.0	767.5	800.5	833.1	876.3	918.7	968.2	1011.1	1043.5
-65°	529.5	572.1	602.1	629.2	653.1	680.9	714.3	748.3	787.2	820.6	847.2
-67.5°	446.4	475.3	494.1	510.8	530.7	552.8	578.0	605.1	635.4	660.6	681.0
-70°	383.6	401.5	413.0	425.5	439.9	455.3	472.4	492.8	515.8	535.4	552.4
-72.5°	333.9	347.6	357.1	366.7	375.4	385.9	397.4	412.7	429.7	445.0	459.2
-75°	290.7	300.5	309.4	317.8	325.4	334.2	343.4	356.3	370.2	382.8	394.7
-77.5°	261.8	269.4	275.2	280.9	286.4	293.7	301.3	311.7	322.5	333.0	343.1
-80°	238.5	244.4	249.4	253.5	257.3	263.5	270.0	278.5	287.2	296.2	305.2
-82.5°	217.0	222.1	226.9	230.8	234.5	240.1	245.9	253.5	261.1	268.6	276.0
-85°	196.9	201.6	206.0	209.8	213.4	218.0	222.5	229.1	235.7	242.5	249.3
-87.5°	179.4	183.8	188.1	191.1	194.0	198.1	202.1	207.7	213.3	219.2	225.0
-90°	2.5	2.5	2.5	2.2	1.9	1.9	1.9	1.6	1.3	1.3	1.3



REPORT NUMBER: P1306032 (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°
90°	210.8	213.3	214.6	215.8	214.6	213.3	210.8	208.2	203.1	198.0	192.9
87.5°	1.6	1.3	1.3	1.3	1.3	1.3	1.6	1.9	1.9	1.9	2.2
85°	2.2	1.9	2.2	2.5	2.2	1.9	2.2	2.5	2.8	3.1	3.1
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.9	3.2	3.2
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.9
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.9
75°	3.5	3.2	3.2	3.2	3.2	3.2	3.5	3.7	3.6	3.6	3.9
72.5°	8.6	8.7	9.1	9.5	9.1	8.7	8.6	8.3	7.7	7.2	7.0
70°	11.3	11.4	11.5	11.5	11.5	11.4	11.3	11.2	10.9	10.6	10.3
67.5°	17.3	17.6	18.3	19.1	18.3	17.6	17.3	16.6	15.4	14.5	14.0
65°	21.7	22.6	22.9	22.9	22.9	22.6	21.7	20.5	18.9	17.6	16.7
62.5°	18.8	19.6	19.7	19.7	19.7	19.6	18.8	18.0	17.2	16.4	15.7
60°	13.1	13.5	13.7	14.0	13.7	13.5	13.1	12.7	12.2	11.9	11.6
57.5°	7.9	8.3	8.4	8.3	8.4	8.3	7.9	7.8	7.8	7.9	8.1
55°	8.7	8.8	8.7	8.3	8.7	8.8	8.7	8.6	8.4	8.6	8.9
52.5°	28.4	26.9	25.5	24.2	25.5	26.9	28.4	29.1	28.6	27.2	24.3
50°	103.1	101.4	98.9	96.1	98.9	101.4	103.1	104.2	100.8	92.7	79.9
47.5°	247.5	248.0	245.7	241.3	245.7	248.0	247.5	242.9	237.7	226.4	208.0
45°	875.2	922.8	948.4	966.3	948.4	922.8	875.2	776.6	663.5	539.2	414.3
42.5°	1758.8	1825.6	1876.3	1886.8	1876.3	1825.6	1758.8	1682.0	1594.2	1365.3	1155.1
40°	3207.9	3219.0	3032.8	2751.9	3032.8	3219.0	3207.9	3020.1	2861.7	2672.2	2342.8
37.5°	4551.9	5021.6	5567.2	5845.7	5567.2	5021.6	4551.9	4225.3	3951.3	3674.5	3333.2
35°	6533.1	7239.6	7468.7	7474.7	7468.7	7239.6	6533.1	5704.1	5089.7	4676.3	4289.2
32.5°	9075.5	9649.9	9956.6	9873.4	9956.6	9649.9	9075.5	8036.5	6884.4	6130.6	5565.9
30°	11867.2	12367.1	12371.0	12203.9	12371.0	12367.1	11867.2	11146.3	9909.2	8707.2	7554.8
27.5°	16016.2	17072.2	17815.5	18015.8	17815.5	17072.2	16016.2	14833.6	13691.2	12188.0	10535.3
25°	20618.1	21778.6	22492.2	22752.0	22492.2	21778.6	20618.1	19130.1	17478.7	16003.6	14346.7
22.5°	25805.4	26933.7	27448.6	27718.0	27448.6	26933.7	25805.4	24292.0	22665.9	20563.4	18484.1
20°	33056.2	34660.5	35265.2	35523.7	35265.2	34660.5	33056.2	31143.1	29136.2	26370.7	23275.1
17.5°	43099.8	46268.3	48249.4	49266.8	48249.4	46268.3	43099.8	39937.8	36894.7	33056.7	28719.2
15°	54235.6	57452.2	59567.6	60836.0	59567.6	57452.2	54235.6	50525.0	45511.2	40129.6	34823.8
12.5°	63788.7	66656.2	68699.4	69914.0	68699.4	66656.2	63788.7	59322.4	53506.5	46810.5	40747.1
10°	69917.3	72376.4	74496.2	75531.5	74496.2	72376.4	69917.3	65963.3	59733.9	53139.9	45571.5
7.5°	73381.0	76240.5	77389.5	78097.5	77389.5	76240.5	73381.0	69824.0	64729.8	57562.6	49860.3
5°	76065.5	78325.1	79385.8	79903.5	79385.8	78325.1	76065.5	72510.5	67915.8	61327.7	53212.4
2.5°	77857.5	79819.2	80569.3	80986.9	80569.3	79819.2	77857.5	74579.6	70421.9	64261.9	55934.8
0°	78717.5	80163.8	81004.8	80594.8	81004.8	80163.8	78717.5	75972.0	71519.4	65828.7	57958.7
-2.5°	78723.5	80098.3	80723.4	80419.1	80723.4	80098.3	78723.5	76544.2	72151.2	66236.5	58010.0
-5°	78050.1	79076.0	79837.4	79593.5	79837.4	79076.0	78050.1	75887.2	71750.1	65623.6	57674.4
-7.5°	76233.7	77597.4	78155.0	78182.1	78155.0	77597.4	76233.7	74100.7	70284.2	63664.5	55488.1
-10°	73735.1	75247.0	75840.7	75901.3	75840.7	75247.0	73735.1	71213.0	66811.7	60482.4	52220.0
-12.5°	70021.6	71795.0	72649.5	72801.8	72649.5	71795.0	70021.6	66859.3	62275.1	55059.4	48133.2
-15°	64256.7	66647.1	67996.4	68469.9	67996.4	66647.1	64256.7	60794.9	55458.8	49556.5	43224.8
-17.5°	56419.7	59275.8	60958.2	61551.5	60958.2	59275.8	56419.7	52476.3	48331.5	43698.3	38621.0
-20°	48245.0	50362.3	51659.3	52193.8	51659.3	50362.3	48245.0	45009.7	41718.0	37946.8	34260.8



REPORT NUMBER: P1306032 (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°	40809.2	42516.3	43480.1	43908.1	43480.1	42516.3	40809.2	38312.1	35603.1	32993.6	30039.2
-25°	34360.2	35798.0	36292.2	36570.9	36292.2	35798.0	34360.2	32654.8	30548.3	28499.3	26207.6
-27.5°	29090.8	30231.4	30497.6	30743.6	30497.6	30231.4	29090.8	27876.3	26206.8	24516.4	22605.3
-30°	24650.7	25643.3	25779.0	26051.4	25779.0	25643.3	24650.7	23643.6	22276.1	20736.9	18927.7
-32.5°	20498.4	21382.3	21720.9	21772.9	21720.9	21382.3	20498.4	19471.7	18207.1	16907.8	15642.4
-35°	16522.3	17104.8	17335.2	17349.3	17335.2	17104.8	16522.3	15768.6	14813.8	13806.6	12852.6
-37.5°	13396.1	13767.5	14034.4	13960.8	14034.4	13767.5	13396.1	12884.5	12060.0	11255.4	10377.5
-40°	10744.9	11118.5	11362.5	11303.1	11362.5	11118.5	10744.9	10319.5	9560.4	8789.1	7853.8
-42.5°	8006.0	8416.8	8647.4	8583.6	8647.4	8416.8	8006.0	7574.5	6792.4	5923.4	5046.2
-45°	4965.1	5327.3	5497.2	5393.7	5497.2	5327.3	4965.1	4605.1	3973.5	3219.0	2520.8
-47.5°	2590.3	2672.7	2699.1	2662.2	2699.1	2672.7	2590.3	2513.6	2368.1	2177.5	2015.9
-50°	2100.2	2151.9	2174.2	2167.6	2174.2	2151.9	2100.2	2035.8	1953.4	1849.5	1761.9
-52.5°	1824.1	1848.0	1855.9	1851.2	1855.9	1848.0	1824.1	1790.3	1747.3	1687.2	1637.5
-55°	1698.7	1722.4	1730.6	1727.7	1730.6	1722.4	1698.7	1664.7	1624.6	1567.5	1513.8
-57.5°	1539.5	1568.6	1586.6	1595.9	1586.6	1568.6	1539.5	1501.3	1455.2	1389.7	1321.0
-60°	1295.6	1318.9	1325.6	1322.2	1325.6	1318.9	1295.6	1264.1	1225.1	1171.5	1111.2
-62.5°	1069.0	1088.2	1102.4	1112.1	1102.4	1088.2	1069.0	1043.5	1011.1	968.2	918.7
-65°	866.7	880.6	883.4	881.0	883.4	880.6	866.7	847.2	820.6	787.2	748.3
-67.5°	695.3	705.6	707.0	704.7	707.0	705.6	695.3	681.0	660.6	635.4	605.1
-70°	563.7	572.4	573.6	572.3	573.6	572.4	563.7	552.4	535.4	515.8	492.8
-72.5°	467.6	473.9	478.7	482.5	478.7	473.9	467.6	459.2	445.0	429.7	412.7
-75°	400.8	405.4	406.5	406.8	406.5	405.4	400.8	394.7	382.8	370.2	356.3
-77.5°	348.4	352.9	356.2	359.0	356.2	352.9	348.4	343.1	333.0	322.5	311.7
-80°	309.2	312.7	315.3	317.7	315.3	312.7	309.2	305.2	296.2	287.2	278.5
-82.5°	279.9	283.5	285.7	287.7	285.7	283.5	279.9	276.0	268.6	261.1	253.5
-85°	252.3	255.1	257.1	259.1	257.1	255.1	252.3	249.3	242.5	235.7	229.1
-87.5°	227.7	230.3	231.7	233.0	231.7	230.3	227.7	225.0	219.2	213.3	207.7
-90°	1.0	0.6	0.6	0.6	0.6	0.6	1.0	1.3	1.3	1.3	1.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	187.8	184.0	180.2	177.3	174.4	170.9	167.4	162.0	156.6	150.9	145.1
87.5°	2.5	2.5	2.4	2.5	2.5	2.8	3.1	3.1	3.2	3.5	3.8
85°	3.1	3.1	3.1	3.3	3.5	3.5	3.6	3.6	3.5	3.8	4.1
82.5°	3.2	3.2	3.2	3.5	3.8	3.8	3.8	3.9	4.0	4.3	4.5
80°	3.2	3.4	3.6	3.7	3.8	3.9	4.0	4.3	4.5	4.5	4.6
77.5°	3.3	3.6	3.8	4.0	4.1	4.4	4.6	4.5	4.6	4.8	4.9
75°	4.0	4.1	4.2	4.6	4.8	5.0	5.1	5.3	5.2	5.2	5.4
72.5°	6.7	6.4	6.2	6.2	6.0	6.1	6.2	6.2	6.2	6.0	5.8
70°	10.1	10.1	10.2	10.3	10.1	9.8	9.2	8.4	7.8	7.7	7.2
67.5°	13.7	13.6	14.2	15.2	14.9	14.4	13.4	12.4	11.5	10.7	9.2
65°	16.5	16.7	16.6	16.4	16.8	17.2	17.5	16.6	16.7	15.2	12.2
62.5°	16.2	16.9	15.9	15.3	16.1	17.8	20.5	21.9	23.2	21.8	18.2
60°	12.7	13.8	13.4	13.5	14.7	18.4	23.5	27.5	30.8	28.6	24.5
57.5°	8.5	8.8	9.7	11.6	13.6	19.6	26.3	32.3	36.7	34.1	30.6
55°	9.3	10.2	10.5	11.8	13.3	21.4	28.8	35.2	39.7	38.5	34.9
52.5°	20.4	23.1	22.9	20.4	21.9	27.5	31.9	39.1	43.1	43.0	40.0
50°	71.2	74.0	66.3	55.3	56.2	46.7	52.2	53.5	52.1	52.5	48.0
47.5°	194.8	181.2	163.5	149.8	133.4	114.9	114.7	93.6	90.8	73.3	70.2
45°	383.2	343.6	310.7	283.6	255.5	236.2	217.7	206.5	163.6	147.3	105.9
42.5°	986.6	684.8	516.0	443.2	381.8	353.5	333.2	319.4	300.1	249.4	209.0
40°	1970.7	1530.7	1130.1	709.3	536.6	458.8	429.3	397.1	393.8	367.5	314.5
37.5°	2940.0	2486.8	1984.7	1461.6	972.6	618.5	548.1	499.8	464.1	454.4	416.2
35°	3838.5	3369.0	2903.9	2347.8	1712.0	1188.8	721.1	635.6	567.0	526.8	503.9
32.5°	4845.0	4351.6	3764.7	3221.2	2651.3	1978.4	1367.0	847.0	695.5	625.8	571.9
30°	6452.1	5628.3	4838.6	4141.7	3571.7	2961.5	2194.1	1416.0	896.7	728.3	644.0
27.5°	8981.0	7405.9	6355.0	5434.8	4674.5	4031.1	3256.2	2220.7	1235.9	888.9	738.1
25°	12442.2	10672.6	8876.6	7559.9	6456.7	5357.0	4536.3	3283.5	2021.5	1079.8	843.3
22.5°	16556.8	14368.8	12343.2	10199.0	8533.5	7081.4	5736.0	4358.3	2841.4	1517.7	1022.0
20°	20203.0	17656.8	15362.3	12985.6	10584.6	8501.5	6748.9	5306.6	3724.1	2210.2	1195.4
17.5°	24727.5	21183.9	18340.4	15781.6	12927.8	10334.8	8115.1	6319.9	4548.5	2788.3	1337.7
15°	29726.1	25169.5	21359.3	18122.1	15131.9	12199.9	9608.0	7403.4	5469.1	3399.6	1757.4
12.5°	35095.9	29563.0	24454.5	20416.7	16861.2	13659.5	10622.8	8345.3	6323.8	4134.7	2219.9
10°	38707.4	32988.8	27497.4	22857.7	18722.0	14859.3	11490.5	8926.7	6879.2	4778.2	2672.6
7.5°	42478.2	35710.3	29745.8	24648.3	20342.1	16307.2	12348.6	9375.9	7306.5	5258.7	3024.3
5°	44735.4	37596.7	31392.5	26054.4	21505.6	17470.9	13364.0	9775.9	7659.5	5619.1	3293.1
2.5°	46514.3	38766.5	32288.8	26802.5	22300.4	18169.0	14203.6	10169.4	7849.4	5788.5	3367.9
0°	48062.4	39609.3	32999.7	27375.5	22800.4	18616.1	14631.1	10552.6	7907.0	5830.4	3354.8
-2.5°	47996.9	39331.0	32590.3	27093.5	22581.2	18474.0	14683.2	11045.3	8310.0	5865.9	3359.7
-5°	48046.0	39344.9	32323.6	26901.2	22386.0	18286.8	14531.5	11189.3	8522.2	5817.9	3283.4
-7.5°	46760.5	38645.2	31835.6	26498.4	22049.8	17942.9	14165.5	11008.2	8531.8	5820.6	3159.2
-10°	44229.8	36972.2	30676.3	25643.0	21384.5	17340.9	13629.4	10709.8	8300.9	5589.5	2945.8
-12.5°	41442.7	34973.2	29107.5	24355.4	20329.3	16463.9	12951.3	10283.2	7880.4	5156.1	2737.1
-15°	37774.0	32635.1	27746.7	23048.5	19000.7	15382.5	12172.8	9746.7	7346.9	4593.4	2412.9
-17.5°	34170.6	29766.5	25519.0	21518.2	17574.5	14198.6	11434.2	9040.4	6588.0	3950.7	1987.6
-20°	30655.2	26872.4	23191.9	19474.4	15970.2	12859.7	10505.8	8182.7	5639.1	3320.9	1918.6



REPORT NUMBER: P1306032 (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°	27221.5	24191.7	20916.1	17347.1	14295.9	11700.8	9411.7	7121.1	4555.2	2580.2	1826.7
-25°	23811.4	21296.7	18327.2	15587.0	12805.5	10420.6	8219.7	5807.0	3627.7	2145.3	1704.1
-27.5°	20394.4	18049.8	15917.7	13656.5	11430.4	9079.5	6756.0	4437.8	2597.2	1947.9	1636.1
-30°	17072.5	15277.6	13499.3	11706.6	9796.9	7573.2	5107.0	3256.1	2151.3	1761.1	1548.1
-32.5°	14186.8	12790.9	11321.1	9752.2	7880.8	5825.3	3768.1	2348.9	1895.6	1656.5	1494.3
-35°	11692.2	10426.5	9190.0	7555.9	5653.5	3947.1	2493.0	2029.5	1739.6	1555.6	1446.1
-37.5°	9368.6	8106.4	6684.5	5171.1	3626.6	2485.1	2098.1	1814.0	1607.5	1492.0	1381.6
-40°	6781.4	5481.0	4230.2	2957.4	2396.3	2071.5	1850.8	1665.3	1541.5	1421.1	1312.0
-42.5°	4120.6	3053.1	2440.5	2222.6	2001.6	1839.9	1688.4	1582.8	1469.0	1353.9	1207.7
-45°	2346.6	2161.2	1995.2	1902.0	1781.8	1689.3	1604.3	1498.6	1393.3	1244.3	1089.1
-47.5°	1915.1	1838.1	1765.2	1719.9	1663.2	1594.1	1503.4	1402.8	1258.8	1112.1	981.9
-50°	1698.8	1671.0	1642.8	1610.3	1553.5	1484.5	1374.4	1246.5	1115.9	995.7	875.3
-52.5°	1594.1	1559.2	1524.1	1488.1	1414.3	1316.6	1207.7	1095.4	982.2	877.1	771.6
-55°	1467.9	1413.5	1357.0	1294.9	1226.1	1141.5	1050.6	950.2	854.1	758.1	677.6
-57.5°	1260.7	1205.1	1157.6	1103.8	1044.2	974.9	901.4	814.7	733.5	659.2	589.3
-60°	1060.6	1009.2	970.2	926.5	878.1	820.4	762.0	695.1	623.2	563.9	506.7
-62.5°	876.3	833.1	800.5	767.5	731.0	688.4	637.3	586.2	528.9	474.9	434.8
-65°	714.3	680.9	653.1	629.2	602.1	572.1	529.5	490.6	449.0	408.0	372.9
-67.5°	578.0	552.8	530.7	510.8	494.1	475.3	446.4	414.7	384.4	356.2	332.4
-70°	472.4	455.3	439.9	425.5	413.0	401.5	383.6	362.1	337.9	314.4	294.4
-72.5°	397.4	385.9	375.4	366.7	357.1	347.6	333.9	315.9	296.6	276.7	260.0
-75°	343.4	334.2	325.4	317.8	309.4	300.5	290.7	277.7	264.4	250.5	237.6
-77.5°	301.3	293.7	286.4	280.9	275.2	269.4	261.8	250.7	240.3	229.6	219.4
-80°	270.0	263.5	257.3	253.5	249.4	244.4	238.5	229.9	221.3	212.0	203.0
-82.5°	245.9	240.1	234.5	230.8	226.9	222.1	217.0	209.7	202.4	194.3	186.4
-85°	222.5	218.0	213.4	209.8	206.0	201.6	196.9	190.6	184.1	176.9	169.6
-87.5°	202.1	198.1	194.0	191.1	188.1	183.8	179.4	173.8	168.3	161.8	155.4
-90°	1.9	1.9	1.9	2.2	2.5	2.5	2.5	2.9	3.2	3.5	3.8



REPORT NUMBER: P1306032 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-5S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	139.7	134.3	129.2	124.1	120.0	115.9	111.4	106.9	99.6	92.3	82.1
87.5°	4.0	4.3	4.5	4.8	4.8	4.8	5.1	5.4	5.5	5.5	5.8
85°	4.4	4.7	4.9	5.1	5.1	5.1	5.4	5.6	5.8	6.0	6.2
82.5°	4.8	5.1	5.1	5.1	5.5	5.8	5.8	5.9	6.2	6.4	6.6
80°	4.9	5.1	5.2	5.4	5.9	6.4	6.2	6.2	6.6	6.9	7.0
77.5°	5.1	5.3	5.5	5.7	6.1	6.4	6.5	6.6	7.0	7.3	7.4
75°	5.5	5.6	5.6	5.9	6.3	6.5	6.7	6.9	7.3	7.7	7.8
72.5°	6.0	6.0	5.9	6.0	6.5	6.9	7.0	7.2	7.7	8.0	8.2
70°	6.8	6.5	6.3	6.5	6.9	7.3	7.6	7.8	8.0	8.4	8.6
67.5°	7.6	7.2	6.9	7.0	7.3	8.0	8.2	8.5	8.7	8.9	9.2
65°	10.5	9.2	7.6	8.0	8.1	8.7	9.2	9.5	9.5	9.7	9.7
62.5°	14.8	12.5	11.1	9.7	9.5	10.4	10.3	11.0	10.5	10.7	10.5
60°	20.1	16.6	15.0	13.5	12.6	12.6	13.0	12.8	12.6	11.6	11.5
57.5°	25.2	20.4	19.9	18.1	17.5	16.5	16.7	16.3	15.3	14.3	12.6
55°	29.9	25.7	25.8	24.5	23.9	22.0	21.8	21.0	19.0	17.8	14.0
52.5°	34.6	33.1	32.6	33.1	32.7	29.3	29.0	26.2	24.7	21.6	17.5
50°	42.0	43.4	41.8	44.3	43.0	40.9	36.8	33.9	30.8	26.2	21.4
47.5°	60.9	62.0	57.2	59.1	56.9	53.9	48.4	42.5	37.3	32.2	25.4
45°	105.9	91.1	85.3	79.8	74.9	70.9	62.2	51.5	45.5	38.2	29.4
42.5°	167.5	147.3	131.3	103.9	101.9	90.6	77.6	65.2	54.1	44.5	34.4
40°	264.2	226.6	191.8	161.4	135.4	112.5	98.0	80.4	63.0	51.5	40.0
37.5°	367.0	319.4	273.7	226.9	179.9	148.0	120.7	96.5	73.8	59.5	45.7
35°	458.6	416.2	353.1	298.7	244.8	185.1	145.1	115.1	88.3	67.9	51.5
32.5°	537.2	496.7	428.0	367.5	297.4	223.1	175.7	136.2	103.1	76.4	57.6
30°	600.4	554.2	496.7	422.2	341.1	266.1	207.7	156.9	118.2	85.1	64.1
27.5°	662.1	609.7	557.2	472.2	381.9	303.0	234.3	177.2	133.3	94.8	71.1
25°	735.9	667.7	609.9	526.7	421.9	332.8	258.2	197.2	149.7	106.1	77.8
22.5°	828.0	724.7	663.4	584.0	467.5	362.2	281.5	218.2	163.7	116.7	84.3
20°	908.4	775.2	714.6	637.2	517.0	399.7	305.6	235.8	177.0	126.7	90.5
17.5°	993.3	828.2	747.4	675.0	565.2	437.6	330.9	252.4	189.5	136.0	96.3
15°	1107.2	885.4	777.5	707.6	606.5	473.9	355.6	268.2	201.2	144.7	101.9
12.5°	1200.9	938.7	807.1	733.2	638.4	506.8	379.2	283.0	211.9	153.3	107.5
10°	1291.0	995.5	839.4	757.5	665.3	536.4	401.5	298.6	224.6	161.9	112.8
7.5°	1390.3	1049.1	870.5	780.6	688.0	561.0	424.4	317.2	236.8	169.9	117.7
5°	1470.5	1096.6	902.5	806.4	709.8	579.9	445.1	334.8	248.2	177.1	122.2
2.5°	1493.7	1136.4	933.8	830.8	728.4	594.8	463.2	351.0	258.4	183.5	126.3
0°	1499.8	1168.8	961.9	852.4	743.5	606.0	478.7	365.4	267.4	189.1	129.9
-2.5°	1531.5	1194.9	987.1	883.5	770.4	620.5	487.5	372.9	275.0	195.6	135.2
-5°	1549.2	1213.2	1009.4	911.0	792.5	631.4	493.7	378.4	281.1	201.1	140.0
-7.5°	1559.1	1226.5	1029.6	933.9	808.8	638.2	497.1	382.0	285.8	205.5	144.2
-10°	1554.3	1232.9	1046.9	946.8	816.4	644.7	498.9	383.7	288.9	208.9	147.9
-12.5°	1561.4	1234.4	1060.8	956.3	819.1	650.7	505.0	386.4	290.5	211.3	151.0
-15°	1561.7	1249.5	1083.2	964.1	817.6	652.3	507.3	387.8	291.0	212.5	153.5
-17.5°	1526.3	1250.7	1103.9	975.5	812.9	649.3	505.7	386.2	289.8	212.8	155.7
-20°	1515.8	1261.1	1115.7	981.1	802.8	642.6	500.2	381.4	286.8	212.0	157.5



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1501.7	1283.8	1129.2	968.8	788.2	632.2	492.2	373.7	282.0	210.1	158.8
-25°	1457.6	1298.3	1135.4	954.5	772.6	620.6	482.7	367.1	275.5	207.1	159.5
-27.5°	1431.7	1291.3	1131.6	930.8	756.0	604.3	472.7	362.1	271.1	203.0	159.6
-30°	1415.9	1270.0	1098.1	900.1	731.5	584.6	460.1	354.5	267.5	201.3	159.1
-32.5°	1379.4	1244.4	1047.6	865.2	704.2	561.6	444.6	343.9	262.2	201.1	158.7
-35°	1324.4	1180.3	987.7	821.2	674.0	541.2	427.1	330.4	255.0	200.0	158.1
-37.5°	1260.4	1090.4	933.1	774.5	635.0	516.1	409.3	318.1	245.9	197.9	157.2
-40°	1160.2	1002.4	859.7	725.3	596.2	484.8	388.5	306.3	240.5	194.8	155.5
-42.5°	1055.6	915.6	787.3	666.7	554.7	455.2	365.7	292.4	235.9	191.7	153.3
-45°	955.9	828.3	714.1	610.2	510.5	423.2	347.4	277.8	230.1	188.3	151.0
-47.5°	855.7	746.7	644.8	550.8	471.8	391.2	325.1	269.7	223.1	184.1	149.2
-50°	764.2	667.0	577.5	497.7	426.4	364.5	303.9	260.1	216.7	178.8	146.9
-52.5°	677.3	591.2	514.4	444.7	388.5	335.7	289.4	248.5	209.2	174.2	144.1
-55°	595.2	520.5	453.9	399.1	351.4	313.5	273.4	236.8	200.5	169.7	140.9
-57.5°	520.7	452.8	403.9	358.1	321.6	291.1	257.9	224.1	193.7	164.6	139.3
-60°	449.4	402.2	358.9	325.5	296.0	269.3	242.1	211.9	186.9	159.5	137.1
-62.5°	393.1	354.4	325.2	296.9	271.4	248.5	226.3	202.2	179.2	156.2	134.4
-65°	346.8	319.8	293.1	270.2	247.8	228.9	213.6	191.8	173.1	152.6	131.3
-67.5°	308.9	286.7	264.6	243.9	228.2	214.3	200.0	183.9	167.4	148.5	127.5
-70°	274.9	255.1	239.1	225.5	212.5	200.2	190.0	176.6	161.3	143.5	123.4
-72.5°	246.9	233.8	220.5	208.3	199.2	190.0	180.7	169.0	154.4	138.1	119.0
-75°	225.7	215.5	205.6	196.4	188.1	179.6	171.0	160.9	147.2	132.3	113.8
-77.5°	210.3	201.3	192.6	184.1	176.5	168.8	161.2	152.5	139.4	125.4	108.2
-80°	194.9	186.9	179.1	171.5	164.7	157.8	150.7	142.7	130.6	118.2	102.2
-82.5°	179.3	172.2	165.2	158.2	151.8	145.4	139.1	132.3	121.5	110.6	96.7
-85°	163.3	156.9	150.6	144.2	138.6	132.9	128.0	122.8	113.7	104.6	92.0
-87.5°	150.0	144.5	139.0	133.6	129.0	124.4	119.7	114.9	106.7	98.6	87.1
-90°	3.8	3.8	4.2	4.5	4.5	4.5	4.8	5.1	5.1	5.1	5.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	71.9	59.5	47.1	33.7	20.4	13.7	7.0
87.5°	6.0	6.0	5.9	5.9	5.9	6.5	7.0
85°	6.4	6.3	6.2	6.1	6.0	6.6	7.0
82.5°	6.7	6.5	6.4	6.3	6.2	6.8	7.0
80°	7.0	6.8	6.6	6.5	6.4	6.9	7.0
77.5°	7.4	7.1	6.8	6.7	6.6	7.1	7.0
75°	7.8	7.6	7.1	7.0	6.8	7.2	7.0
72.5°	8.1	8.0	7.6	7.2	7.0	7.4	7.0
70°	8.6	8.4	8.0	7.4	7.2	7.5	7.0
67.5°	9.1	8.9	8.5	7.8	7.4	7.7	7.0
65°	9.7	9.4	8.9	8.2	7.6	7.8	7.0
62.5°	10.3	9.9	9.4	8.5	7.9	8.0	7.0
60°	10.9	10.5	9.8	8.9	8.1	8.1	7.0
57.5°	12.1	11.0	10.5	9.3	8.5	8.3	7.0
55°	13.5	11.6	11.2	9.6	9.0	8.4	7.0
52.5°	15.0	12.3	11.9	10.0	9.4	8.6	7.0
50°	16.6	14.1	12.7	10.4	9.9	8.8	7.0
47.5°	18.6	15.9	13.6	10.8	10.4	8.9	7.0
45°	22.1	17.9	14.5	11.5	11.0	9.1	7.0
42.5°	25.7	19.9	15.4	12.2	11.5	9.2	7.0
40°	29.4	22.1	16.8	13.3	12.1	9.4	7.0
37.5°	33.5	24.3	18.5	14.6	12.7	9.5	7.0
35°	37.6	27.2	20.2	15.9	13.4	9.7	7.0
32.5°	42.0	30.5	21.9	17.2	14.0	9.9	7.0
30°	47.1	33.7	23.6	18.6	14.7	10.0	7.0
27.5°	52.1	36.9	26.0	19.9	15.3	10.2	7.0
25°	57.0	40.0	28.3	21.3	16.0	10.3	7.0
22.5°	61.8	43.2	30.6	22.7	16.7	10.4	7.0
20°	66.3	46.7	32.9	24.1	17.4	10.6	7.0
17.5°	70.9	50.0	35.1	25.5	18.0	10.7	7.0
15°	75.3	53.2	37.3	26.9	18.7	10.9	7.0
12.5°	79.5	56.2	39.3	28.2	19.4	11.0	7.0
10°	83.4	59.1	41.3	29.6	20.0	11.1	7.0
7.5°	87.0	61.8	43.2	30.8	20.6	11.2	7.0
5°	90.4	64.3	45.1	32.1	21.2	11.3	7.0
2.5°	93.4	66.7	46.8	33.3	21.8	11.4	7.0
0°	96.1	68.8	48.4	34.4	22.3	11.5	7.0
-2.5°	100.2	71.9	50.6	35.9	23.3	11.9	7.0
-5°	104.0	74.9	52.8	37.3	24.2	12.4	7.0
-7.5°	107.4	77.5	54.8	38.7	25.0	12.8	7.0
-10°	110.4	80.0	56.6	40.0	25.8	13.2	7.0
-12.5°	113.0	82.2	58.4	41.2	26.6	13.6	7.0
-15°	115.3	84.1	59.9	42.3	27.3	13.9	7.0
-17.5°	117.0	85.7	61.3	43.3	28.0	14.3	7.0
-20°	118.7	87.1	62.6	44.2	28.6	14.6	7.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	120.3	88.1	63.6	45.0	29.1	14.9	7.0
-25°	121.4	89.3	64.5	45.7	29.6	15.2	7.0
-27.5°	122.2	90.5	65.2	46.3	30.0	15.5	7.0
-30°	122.4	91.4	65.8	46.9	30.3	15.7	7.0
-32.5°	122.1	92.0	66.9	47.2	30.6	16.0	7.0
-35°	122.2	92.3	67.8	47.5	30.8	16.2	7.0
-37.5°	122.2	92.6	68.6	47.7	30.9	16.3	7.0
-40°	121.8	93.2	69.1	47.8	31.0	16.5	7.0
-42.5°	121.1	93.7	69.6	47.9	31.0	16.6	7.0
-45°	120.0	93.9	70.0	48.2	30.9	16.6	7.0
-47.5°	118.6	93.9	70.1	48.3	30.8	16.7	7.0
-50°	118.0	93.7	70.0	48.3	30.6	16.7	7.0
-52.5°	117.4	93.2	69.7	48.3	30.3	16.7	7.0
-55°	116.4	92.4	69.2	48.0	30.0	16.7	7.0
-57.5°	115.1	91.3	68.4	47.7	29.6	16.6	7.0
-60°	113.5	89.9	67.5	47.2	29.1	16.5	7.0
-62.5°	111.4	88.3	66.5	46.5	28.7	16.4	7.0
-65°	109.0	86.4	65.4	45.8	28.2	16.3	7.0
-67.5°	106.2	84.3	64.0	44.9	27.7	16.1	7.0
-70°	103.2	82.0	62.5	43.9	27.1	15.9	7.0
-72.5°	99.5	79.5	60.9	42.9	26.4	15.7	7.0
-75°	95.6	76.7	59.0	41.9	25.7	15.5	7.0
-77.5°	91.2	73.6	57.3	40.8	24.9	15.2	7.0
-80°	86.7	70.9	55.5	39.6	24.1	15.0	7.0
-82.5°	83.1	68.3	53.6	38.2	23.2	14.7	7.0
-85°	79.5	65.5	51.5	36.8	22.3	14.4	7.0
-87.5°	75.8	62.5	49.4	35.3	21.4	14.0	7.0
-90°	5.7	5.7	5.7	5.7	5.7	6.4	7.0

(END OF REPORT)