

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: P1306016 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/3/2026

Test Information

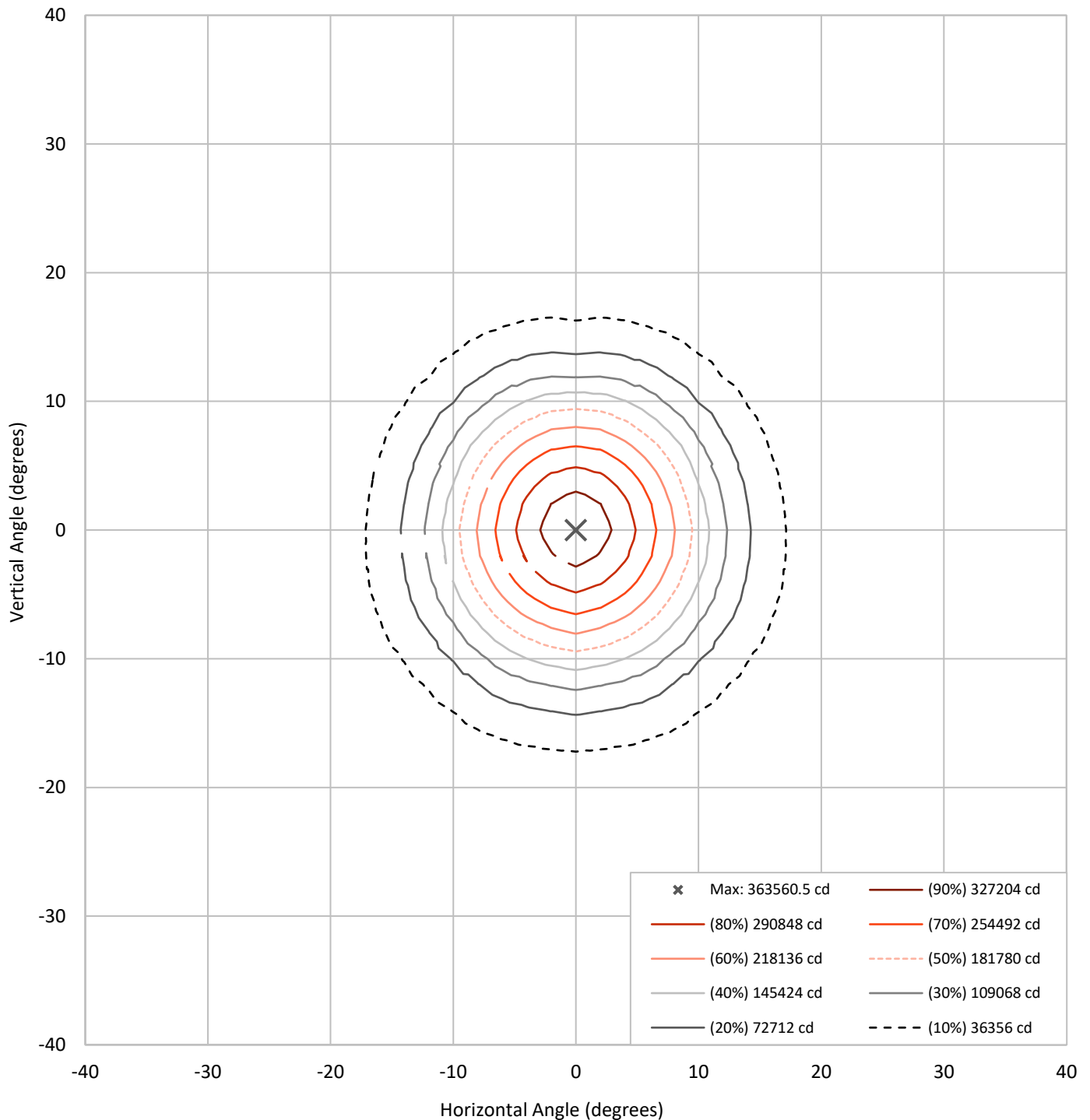
Test Method: LM-79-08
Report Number: P1306016 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-40-80-1S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S 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:	47920.8 lumens	Max Intensity:	363560.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	142.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 18.9°V	Field Angle (10%):	34°H x 33.3°V
Beam Lumens:	21242.5 lumens	Field Lumens:	38689.8 lumens
Beam Efficiency:	44.3%	Field Efficiency:	80.7%
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



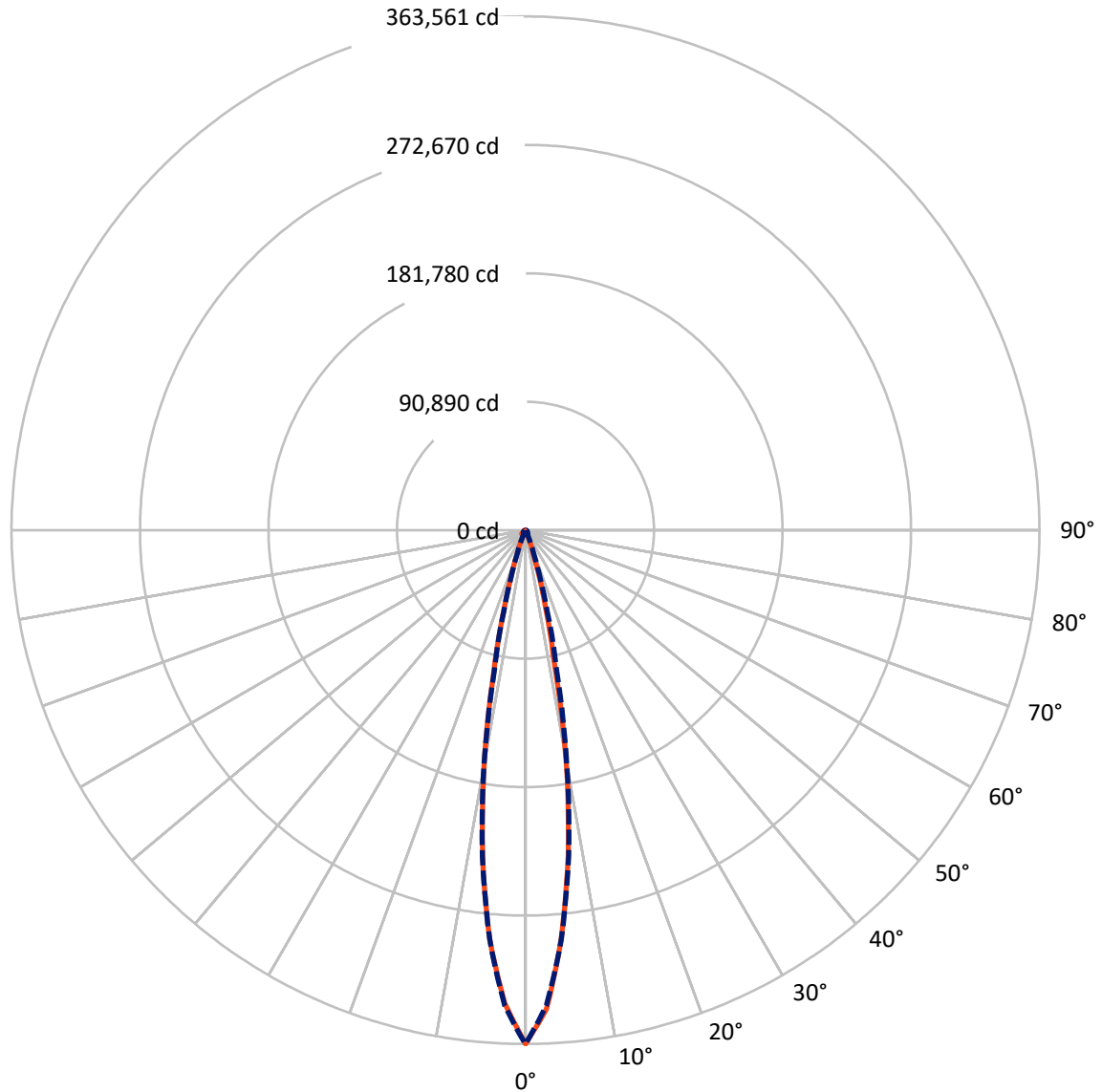
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Lumen Table

90	0.2	0.6		1.2		1.6		1.8		1.6		1.2		0.6		0.2			
80	0.2	0.6		1.2		1.6		1.8		1.6		1.2		0.6		0.2			
70	0.2	0.1	0.2	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.1	0.2			
60		0.3	0.6	0.6	0.5	0.5	0.6	0.7	0.7	0.6	0.5	0.5	0.6	0.6	0.3				
50	0.7	0.8	1.8	3.5	5.4	9.3	14.2	15.7	15.7	14.2	9.3	5.4	3.5	1.8	0.8	0.7			
40		1.8	5.2	9.3	19.6	32.1	35.9	37.7	37.7	35.9	32.1	19.6	9.3	5.2	1.8				
30	1.6	3.1	8.4	17.3	41.2	43.7	53.1	87.9	87.9	53.1	43.7	41.2	17.3	8.4	3.1	1.6			
20		4.2	10.8	30.9	54.6	64.5	401.6	1600.2	1600.2	401.6	64.5	54.6	30.9	10.8	4.2				
10	2.3	5.1	12.7	40.9	60.9	120.3	1622.5	6750.4	6750.4	1622.5	120.3	60.9	40.9	12.7	5.1	2.3			
0		5.7	14.3	43.6	67.8	134.5	1705.7	6717.9	6717.9	1705.7	134.5	67.8	43.6	14.3	5.7				
-10	2.7	6.0	15.3	43.1	75.1	92.5	473.6	1733.9	1733.9	473.6	92.5	75.1	43.1	15.3	6.0	2.7			
-20		5.8	15.5	33.3	76.5	93.7	102.2	158.7	158.7	102.2	93.7	76.5	33.3	15.5	5.8				
-30	2.6	5.2	14.4	26.6	56.0	94.1	105.8	107.0	107.0	105.8	94.1	56.0	26.6	14.4	5.2	2.6			
-40		4.3	11.8	23.2	34.7	52.5	77.7	96.9	96.9	77.7	52.5	34.7	23.2	11.8	4.3				
-50	2.2	3.4	8.6	16.9	27.0	35.2	41.0	44.8	44.8	41.0	35.2	27.0	16.9	8.6	3.4	2.2			
-60		2.7	5.6	10.3	16.3	21.9	26.7	29.9	29.9	26.7	21.9	16.3	10.3	5.6	2.7				
-70	1.5	10.1		24.1		37.9		45.3		37.9		24.1		10.1		1.5			
-80		10.1		24.1		37.9		45.3		37.9		24.1		10.1					
-90	1.5	10.1		24.1		37.9		45.3		37.9		24.1		10.1		1.5			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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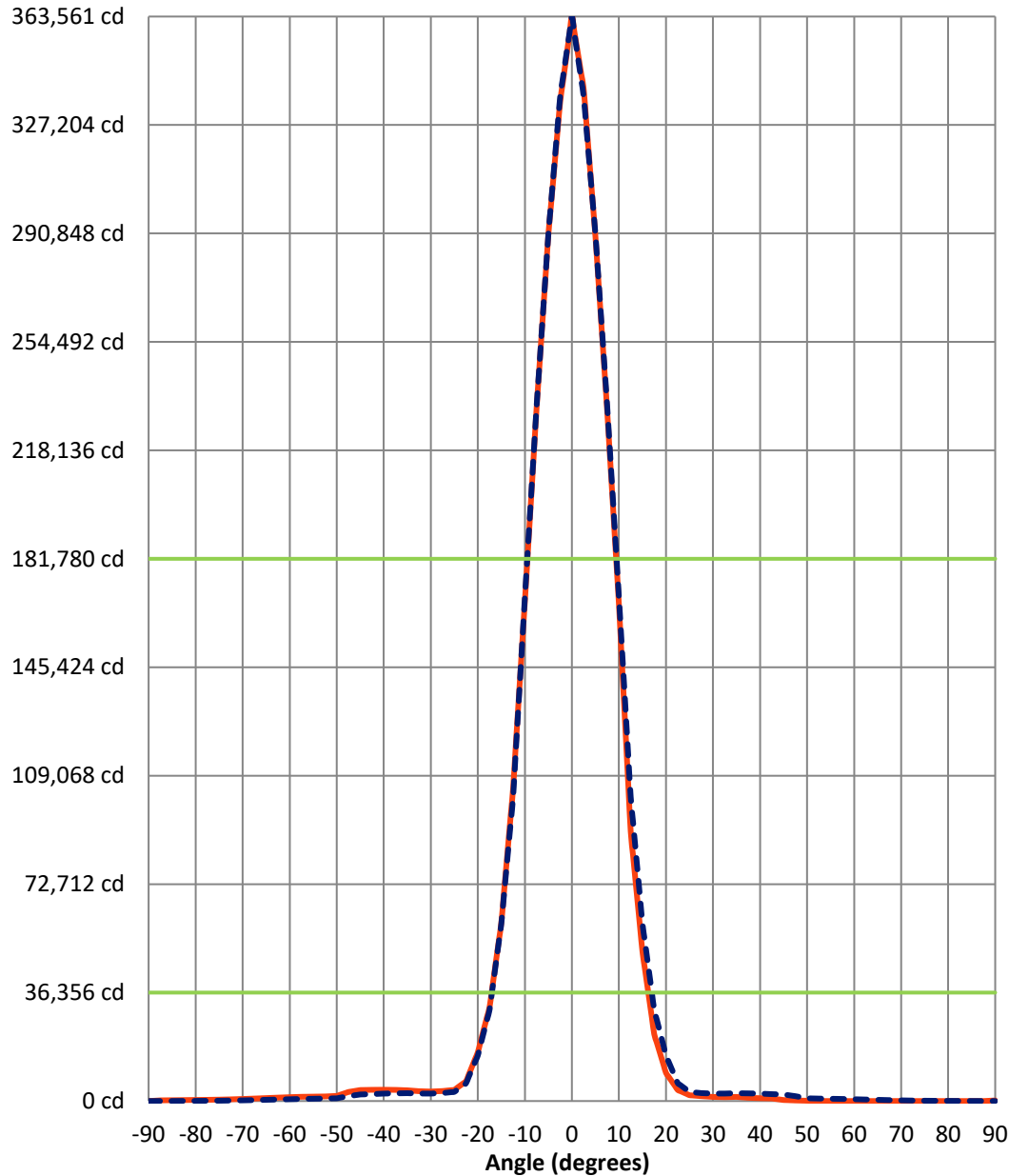
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 18.9°
 Lumens: 21242.5
 Efficiency: 44.3%

Field:
 H Angle: 34°
 V Angle: 33.3°
 Lumens: 38689.8
 Efficiency: 80.7%

Spill:
 Lumens: 9230.9
 Efficiency: 19.3%

— 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°	5.2	13.9	22.6	33.9	45.1	56.4	67.7	75.7	83.8	91.8	99.8
87.5°	5.2	4.5	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.5	3.5
85°	5.2	4.7	3.8	3.8	3.8	3.7	3.5	3.5	3.5	3.5	3.5
82.5°	5.2	4.8	4.0	4.0	3.9	3.8	3.5	3.5	3.5	3.6	3.5
80°	5.2	5.0	4.1	4.2	4.1	3.9	3.6	3.8	3.8	3.8	3.5
77.5°	5.2	5.1	4.3	4.3	4.3	4.2	4.1	4.2	4.1	4.0	3.7
75°	5.2	5.3	4.5	4.5	4.5	4.8	4.6	4.6	4.5	4.5	4.1
72.5°	5.2	5.5	4.7	4.7	5.1	5.4	5.1	5.1	5.4	5.2	4.7
70°	5.2	5.6	4.9	5.0	5.8	6.0	5.8	6.1	6.2	6.0	5.7
67.5°	5.2	5.8	5.1	5.5	6.4	6.7	6.9	7.0	7.2	7.4	6.9
65°	5.2	6.0	5.4	6.1	7.1	7.7	8.1	8.0	8.8	8.9	8.4
62.5°	5.2	6.1	5.6	6.7	7.8	8.9	9.4	9.5	10.5	10.7	10.7
60°	5.2	6.3	5.9	7.3	8.5	10.3	10.8	11.3	12.3	13.2	13.1
57.5°	5.2	6.5	6.5	7.9	9.7	11.6	12.9	13.3	14.8	15.9	17.3
55°	5.2	6.7	7.1	8.4	10.9	13.1	15.2	15.7	17.5	19.3	22.7
52.5°	5.2	6.8	7.7	9.0	12.2	14.7	17.7	18.9	20.3	25.1	28.7
50°	5.2	7.0	8.4	9.6	13.5	17.0	20.3	22.5	24.1	31.3	38.1
47.5°	5.2	7.2	9.0	10.3	14.8	19.3	23.1	26.4	30.2	38.0	48.5
45°	5.2	7.4	9.7	11.3	16.1	21.8	26.8	30.6	37.8	48.1	59.7
42.5°	5.2	7.6	10.4	12.4	17.5	24.3	30.6	36.5	45.6	58.9	76.3
40°	5.2	7.8	11.1	13.7	19.2	26.8	34.5	43.6	54.8	70.2	95.0
37.5°	5.2	8.0	11.9	15.2	21.2	29.4	38.6	50.8	66.3	84.9	114.9
35°	5.2	8.1	12.6	16.8	23.2	32.5	42.9	58.2	78.0	103.4	137.3
32.5°	5.2	8.3	13.4	18.4	25.1	35.9	47.8	65.7	89.9	121.4	160.6
30°	5.2	8.5	14.2	20.0	27.1	39.3	53.8	73.9	102.0	139.1	182.9
27.5°	5.2	8.7	14.9	21.6	29.9	42.6	59.9	83.8	115.2	156.3	204.2
25°	5.2	8.9	15.7	23.3	32.8	46.0	65.9	93.6	129.7	174.0	224.6
22.5°	5.2	9.1	16.5	24.9	35.6	49.6	71.8	103.4	143.6	191.3	247.1
20°	5.2	9.2	17.2	26.5	38.4	53.7	77.6	112.9	157.0	207.6	268.2
17.5°	5.2	9.4	18.0	28.1	41.2	57.7	83.4	122.2	169.7	222.9	288.1
15°	5.2	9.6	18.7	29.7	43.9	61.5	89.0	130.7	181.7	237.1	306.7
12.5°	5.2	9.7	19.4	31.3	46.5	65.2	94.3	138.2	192.6	250.2	323.8
10°	5.2	9.9	20.1	32.8	49.1	68.7	99.3	145.0	202.6	264.6	341.4
7.5°	5.2	10.0	20.8	34.2	51.5	72.0	103.9	151.2	211.8	278.6	361.9
5°	5.2	10.2	21.4	35.6	53.8	75.1	108.1	156.7	220.2	291.9	381.1
2.5°	5.2	10.3	22.0	37.0	56.0	78.0	111.9	161.5	227.8	304.1	398.9
0°	5.2	10.4	22.6	38.2	58.1	80.7	115.4	165.7	234.3	315.0	414.8
-2.5°	5.2	10.9	23.8	40.2	60.7	84.0	119.5	171.4	241.9	323.4	423.7
-5°	5.2	11.4	25.0	42.1	63.1	87.2	123.2	176.3	248.4	330.4	430.6
-7.5°	5.2	11.9	26.1	43.9	65.4	90.0	126.4	180.4	253.7	335.9	435.4
-10°	5.2	12.3	27.2	45.6	67.6	92.7	129.2	183.7	257.6	339.9	438.2
-12.5°	5.2	12.8	28.2	47.2	69.5	95.1	131.6	186.1	260.2	342.6	441.2
-15°	5.2	13.2	29.1	48.7	71.3	97.2	133.5	187.6	261.6	345.1	442.9
-17.5°	5.2	13.6	29.9	50.0	72.9	99.0	134.9	188.7	262.1	345.8	442.2
-20°	5.2	14.0	30.7	51.2	74.4	100.6	136.1	189.2	261.2	344.7	439.0



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.2	14.4	31.4	52.3	75.6	101.9	137.3	188.7	258.9	341.8	433.4
-25°	5.2	14.7	32.0	53.2	76.7	103.2	137.8	187.1	255.1	337.2	425.2
-27.5°	5.2	15.1	32.5	54.0	77.7	104.2	137.8	184.5	249.9	331.1	418.3
-30°	5.2	15.4	33.0	54.6	78.4	105.0	137.2	180.7	245.1	323.8	409.4
-32.5°	5.2	15.6	33.3	55.1	79.0	105.3	136.0	178.7	239.9	315.0	398.4
-35°	5.2	15.9	33.5	55.4	79.4	105.4	135.6	176.8	233.4	304.4	385.3
-37.5°	5.2	16.1	33.7	55.6	79.6	105.3	135.3	174.1	225.5	292.2	371.8
-40°	5.2	16.3	33.7	55.6	79.6	105.3	134.6	170.6	216.3	281.0	356.4
-42.5°	5.2	16.4	33.7	55.5	79.3	105.0	133.5	166.4	209.6	268.7	338.5
-45°	5.2	16.5	33.5	55.2	78.9	104.3	131.9	162.7	203.9	254.9	318.8
-47.5°	5.2	16.6	33.3	54.7	78.3	103.4	130.0	160.4	197.3	239.6	301.4
-50°	5.2	16.7	33.0	54.1	77.4	102.2	128.3	157.5	189.2	230.2	282.1
-52.5°	5.2	16.7	32.5	53.4	76.3	100.7	126.4	154.2	183.4	219.7	262.0
-55°	5.2	16.7	32.0	52.6	75.0	98.9	124.1	150.4	178.4	208.1	248.5
-57.5°	5.2	16.7	31.4	51.6	73.5	96.9	121.5	147.2	172.8	200.3	233.8
-60°	5.2	16.6	30.7	50.5	71.8	94.6	118.5	143.3	167.1	193.3	220.4
-62.5°	5.2	16.5	30.4	49.2	70.0	92.0	115.2	138.8	161.8	185.8	211.8
-65°	5.2	16.4	30.0	47.8	67.9	89.2	111.6	134.0	156.0	178.8	202.6
-67.5°	5.2	16.3	29.5	46.2	65.7	86.2	107.7	128.8	149.9	171.6	193.8
-70°	5.2	16.1	29.0	44.6	63.3	82.9	103.4	123.3	143.2	163.9	185.0
-72.5°	5.2	15.9	28.4	43.4	60.7	79.4	98.9	117.4	136.0	155.4	175.5
-75°	5.2	15.7	27.7	42.3	57.9	75.7	94.1	111.2	128.5	146.4	165.0
-77.5°	5.2	15.5	27.0	41.1	55.9	71.8	89.1	104.7	120.6	137.1	154.1
-80°	5.2	15.2	26.2	39.8	54.0	68.6	83.8	97.9	112.3	127.1	142.5
-82.5°	5.2	14.9	25.4	38.5	51.9	65.7	79.9	91.6	103.7	116.9	130.5
-85°	5.2	14.6	24.5	37.0	49.8	62.8	76.0	86.4	97.1	108.1	119.2
-87.5°	5.2	14.2	23.6	35.5	47.5	59.7	71.9	81.2	90.5	100.0	109.6
-90°	5.2	4.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	107.4	115.0	122.6	130.2	135.8	141.5	147.1	152.7	157.5	162.3	167.0
87.5°	3.3	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.4	2.2	1.9
85°	3.3	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.4	2.2	1.9
82.5°	3.3	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.4	2.3	2.2
80°	3.3	3.1	3.0	2.9	2.9	2.9	2.8	2.6	2.6	2.6	2.6
77.5°	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.1	3.1	3.0	2.9
75°	4.0	3.9	3.9	3.6	3.4	3.4	3.5	3.5	3.4	3.1	2.9
72.5°	4.5	4.5	4.3	3.8	3.7	3.7	3.7	3.6	3.8	4.3	4.7
70°	5.2	5.1	5.0	4.6	4.1	4.3	5.0	5.7	6.3	7.4	8.9
67.5°	6.2	6.4	6.1	5.7	5.6	6.5	7.3	10.0	13.1	14.7	15.4
65°	7.7	7.8	8.2	8.3	7.8	10.2	13.4	17.0	20.4	21.1	20.5
62.5°	9.5	10.5	11.2	11.9	12.8	15.2	18.9	22.5	26.2	25.2	21.7
60°	13.2	13.8	15.8	17.8	18.5	19.8	23.8	25.8	27.0	26.3	20.5
57.5°	17.8	18.8	22.2	24.5	25.2	23.6	25.1	26.4	26.3	23.2	17.8
55°	24.1	25.4	29.5	32.6	32.4	26.7	26.4	27.6	25.6	22.5	17.6
52.5°	33.2	34.0	38.6	41.8	40.7	34.8	30.5	32.5	32.2	28.2	24.0
50°	43.2	47.1	48.8	53.4	53.2	48.3	40.3	44.4	51.4	50.1	44.1
47.5°	57.5	62.5	62.7	68.3	70.8	74.9	68.2	76.6	87.0	108.2	101.4
45°	74.5	82.8	83.5	88.6	101.7	117.5	123.8	123.3	175.7	194.6	208.4
42.5°	93.4	106.7	112.3	111.9	154.0	178.0	191.5	234.8	274.7	286.7	293.2
40°	117.2	133.3	145.4	172.6	216.2	249.3	283.5	329.7	351.5	353.6	353.7
37.5°	143.4	166.7	186.3	232.6	288.3	325.0	367.5	387.4	402.5	403.3	420.4
35°	171.4	202.8	239.1	290.7	352.0	393.7	418.3	436.3	444.5	463.4	546.4
32.5°	203.6	241.4	288.8	346.3	404.8	447.4	462.1	477.5	497.5	553.6	797.2
30°	236.0	284.9	336.0	397.9	457.3	487.2	502.7	522.1	553.6	772.2	1109.8
27.5°	263.5	325.6	381.5	446.0	506.6	527.3	545.2	574.4	707.9	1014.6	1483.6
25°	289.9	358.0	423.4	493.4	543.6	566.5	589.0	628.6	889.1	1375.2	1695.3
22.5°	316.2	390.8	461.5	540.3	580.4	604.2	638.8	786.6	1151.1	1735.5	1886.0
20°	343.3	423.5	499.4	578.2	615.8	640.5	688.1	965.6	1471.2	1889.2	2028.7
17.5°	369.8	455.0	535.0	604.9	643.9	678.9	754.3	1145.7	1759.4	2040.9	2138.0
15°	395.5	485.1	567.3	630.8	672.0	720.3	909.6	1385.1	1946.4	2177.1	2269.3
12.5°	420.2	513.7	596.5	655.6	700.0	761.3	1072.3	1621.9	2071.5	2284.3	2372.6
10°	443.5	540.5	622.7	679.2	727.6	801.4	1236.2	1821.8	2174.9	2356.8	2424.1
7.5°	465.6	563.7	646.1	701.6	754.6	840.0	1395.3	1986.7	2256.4	2418.3	2459.8
5°	484.9	582.6	667.8	725.7	781.7	874.2	1531.4	2118.6	2319.6	2469.5	2496.5
2.5°	501.4	598.9	687.4	749.0	807.9	901.5	1597.3	2172.2	2327.6	2492.1	2534.7
0°	515.5	612.7	704.7	770.6	832.2	925.1	1634.9	2199.9	2317.9	2498.4	2574.8
-2.5°	527.0	631.4	729.3	793.4	855.5	947.4	1632.1	2221.3	2342.3	2555.9	2728.7
-5°	536.0	647.2	751.0	814.5	876.8	966.5	1602.9	2215.1	2375.5	2606.7	2823.6
-7.5°	542.5	659.5	769.3	834.3	897.8	988.4	1581.9	2241.7	2472.3	2667.1	2862.0
-10°	546.9	667.7	780.4	852.8	918.9	1010.0	1536.9	2230.6	2562.9	2727.5	2898.9
-12.5°	551.8	672.2	787.6	869.0	937.3	1027.1	1457.3	2177.3	2646.7	2792.8	2935.0
-15°	553.9	673.8	791.4	882.6	952.8	1039.2	1341.8	2078.7	2702.7	2828.2	2958.1
-17.5°	552.9	672.3	791.7	893.4	965.3	1046.2	1189.3	1896.0	2614.7	2842.2	2979.6
-20°	548.9	667.9	788.6	901.4	974.6	1054.9	1164.8	1685.9	2374.4	2831.7	2995.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	541.7	660.4	781.3	897.0	985.0	1066.0	1165.9	1468.1	2090.9	2796.4	2996.2
-25°	532.4	650.0	769.9	892.1	994.2	1073.5	1162.4	1277.9	1810.1	2491.4	2966.2
-27.5°	521.2	635.9	758.8	882.9	1001.6	1078.4	1163.3	1268.9	1562.6	2139.0	2852.2
-30°	507.1	620.1	743.2	868.6	991.3	1083.6	1163.5	1248.0	1356.4	1821.1	2435.8
-32.5°	491.1	600.9	722.7	847.4	972.1	1087.1	1156.8	1233.3	1326.5	1493.5	2018.6
-35°	475.0	581.1	697.6	821.3	947.8	1066.4	1151.1	1219.5	1296.0	1397.5	1637.2
-37.5°	459.3	558.0	668.3	789.9	914.1	1029.1	1140.4	1208.1	1278.1	1349.6	1449.3
-40°	440.9	531.7	638.3	753.4	870.2	984.9	1095.4	1196.5	1260.8	1322.7	1387.3
-42.5°	419.8	508.2	606.0	711.3	821.5	932.8	1045.1	1151.3	1241.6	1297.0	1356.0
-45°	397.0	481.7	571.3	668.3	768.4	876.0	984.2	1092.6	1189.1	1275.4	1328.1
-47.5°	371.4	452.4	538.2	621.9	715.3	814.3	918.5	1020.5	1119.9	1211.7	1301.3
-50°	344.8	420.6	499.7	578.0	661.3	751.8	847.5	944.1	1039.5	1132.9	1221.1
-52.5°	321.1	385.8	458.8	533.2	608.9	689.6	774.7	862.1	953.5	1044.3	1126.3
-55°	295.4	354.4	415.3	485.4	557.3	629.9	701.1	779.8	861.5	947.0	1023.6
-57.5°	274.6	321.9	375.4	434.8	502.3	570.5	633.1	696.5	769.2	845.0	911.5
-60°	256.3	293.6	337.1	388.7	444.1	505.6	564.6	623.2	681.9	739.8	802.6
-62.5°	238.5	270.9	305.0	344.1	393.1	440.4	492.4	546.5	600.6	652.5	702.8
-65°	227.7	250.3	279.3	311.3	343.3	384.5	426.5	468.1	515.8	562.8	608.7
-67.5°	216.1	237.4	259.0	282.6	311.9	339.0	365.9	403.5	440.6	475.9	512.0
-70°	205.2	224.2	244.3	264.6	284.4	304.4	329.0	353.4	377.3	403.2	434.3
-72.5°	194.1	211.6	229.6	248.0	265.7	282.3	299.0	315.6	335.2	356.3	376.8
-75°	182.0	198.5	215.0	231.7	247.1	261.8	276.7	291.8	306.7	321.4	336.1
-77.5°	169.3	184.1	199.3	214.7	228.4	241.3	254.4	267.7	280.7	293.5	306.3
-80°	156.0	169.4	182.9	196.5	208.3	219.8	231.3	242.9	254.3	265.7	276.9
-82.5°	142.2	153.9	165.7	177.7	187.8	197.6	207.4	217.3	226.9	236.6	246.2
-85°	128.7	138.1	148.2	158.4	166.8	175.2	183.5	191.8	199.9	207.9	215.8
-87.5°	118.1	126.6	135.1	143.5	150.1	156.7	163.3	169.8	176.0	182.1	188.3
-90°	3.3	3.1	2.8	2.6	2.6	2.6	2.6	2.6	2.4	2.2	1.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	171.8	175.1	178.3	181.6	184.8	187.6	190.5	193.3	196.1	197.9	199.6
87.5°	1.7	1.7	1.6	1.6	1.6	1.5	1.3	1.1	0.9	0.9	0.9
85°	1.7	1.7	1.7	1.7	1.7	1.5	1.3	1.1	0.9	0.9	0.9
82.5°	2.1	2.1	2.0	1.9	1.7	1.7	1.6	1.6	1.6	1.6	1.7
80°	2.6	2.4	2.2	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	2.7	2.4	2.2	2.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	2.7	2.6	2.7	2.7	2.6	2.6	2.6	2.5	2.4	2.3	2.1
72.5°	5.2	5.4	5.3	5.5	5.5	5.7	5.9	6.0	6.0	6.0	6.1
70°	9.7	10.1	10.3	10.2	9.6	9.1	8.9	8.6	8.3	8.6	9.1
67.5°	14.8	13.8	13.3	12.5	11.2	10.0	9.3	8.5	7.8	7.4	7.3
65°	18.4	14.5	12.6	11.2	10.0	8.7	7.6	6.5	5.6	5.0	4.7
62.5°	17.5	12.4	9.8	8.3	6.9	5.8	4.8	4.0	3.4	3.1	3.2
60°	14.9	9.8	6.9	5.6	4.2	2.7	2.6	2.4	2.2	2.0	2.2
57.5°	13.4	8.8	5.3	5.2	4.5	3.3	2.8	2.8	2.4	1.7	2.0
55°	14.9	12.6	8.8	9.0	8.8	7.4	6.3	7.5	7.2	5.6	6.2
52.5°	22.4	25.6	20.9	19.4	26.5	26.3	20.6	28.1	32.2	31.5	32.1
50°	52.6	59.4	66.6	61.0	74.8	83.1	81.3	91.1	101.2	100.9	104.1
47.5°	124.5	143.3	145.4	149.2	165.0	185.2	201.6	213.1	219.0	216.6	218.3
45°	222.9	227.1	236.9	258.5	285.4	317.9	342.6	357.0	405.4	439.8	459.9
42.5°	295.5	308.7	332.6	389.4	431.1	527.0	642.9	687.9	744.8	773.7	775.5
40°	368.2	401.9	500.4	604.1	829.1	996.5	1006.5	1077.4	1110.1	1074.0	1068.7
37.5°	488.5	613.3	782.6	1022.2	1126.9	1172.4	1197.3	1206.3	1212.9	1206.9	1203.8
35°	725.3	942.4	1108.7	1186.8	1234.1	1235.6	1241.4	1240.6	1232.9	1228.8	1220.2
32.5°	1074.6	1281.7	1286.8	1280.7	1290.6	1284.9	1274.1	1269.1	1252.3	1242.2	1245.6
30°	1434.8	1436.0	1415.5	1368.0	1344.3	1337.1	1321.3	1308.4	1292.5	1294.9	1350.3
27.5°	1577.7	1560.2	1531.6	1490.7	1411.1	1395.6	1382.9	1377.5	1444.1	1504.9	1559.2
25°	1737.6	1692.2	1676.6	1640.9	1559.0	1468.4	1508.3	1571.0	1658.0	1748.7	1836.2
22.5°	1875.9	1843.2	1833.1	1819.8	1686.2	1647.2	1701.9	1804.9	1923.8	2081.4	2531.3
20°	2012.2	1976.8	1965.2	1898.6	1828.6	1838.2	1939.8	2119.5	2452.2	3647.5	5107.3
17.5°	2126.8	2090.1	2050.6	1972.8	1950.5	2048.0	2251.1	2882.2	4452.4	8376.1	12364.0
15°	2233.5	2185.5	2118.1	2067.1	2109.3	2290.7	2793.8	4944.2	10030.4	16616.3	24919.9
12.5°	2328.5	2254.8	2160.5	2134.1	2262.4	2567.9	4541.0	9701.8	17482.1	26864.4	46358.1
10°	2394.5	2299.0	2216.8	2262.5	2466.5	3286.6	6534.6	14545.3	26055.3	47040.2	71309.4
7.5°	2422.8	2336.4	2288.6	2386.6	2659.0	4220.8	9837.2	20116.2	36800.2	65017.6	103739.7
5°	2455.0	2395.3	2368.6	2509.6	2844.5	4982.0	12212.3	24804.3	48290.5	81902.2	131766.4
2.5°	2519.9	2463.1	2444.5	2617.5	3006.7	5691.6	14068.4	28449.1	55903.1	95991.4	156637.7
0°	2634.6	2516.6	2501.9	2671.1	3072.0	6014.7	15286.2	30647.1	59523.9	102019.8	168874.8
-2.5°	2725.7	2585.1	2557.0	2707.9	3100.7	5856.4	15162.7	30571.3	58046.6	100004.9	161103.7
-5°	2805.1	2664.1	2625.3	2765.5	3163.8	5850.5	14359.4	28050.9	51941.1	87876.0	135771.6
-7.5°	2875.8	2753.9	2696.5	2808.1	3172.1	5239.3	11614.4	23094.7	41517.9	68608.8	105085.7
-10°	2950.4	2856.8	2778.5	2853.2	3136.9	4168.7	7770.0	16647.6	29567.3	49754.3	74784.3
-12.5°	3035.6	2988.4	2873.5	2884.3	3089.2	3517.8	5742.8	11622.5	20527.5	31342.0	49485.3
-15°	3107.9	3105.7	3009.5	2978.9	3080.7	3355.6	4006.6	6454.3	12451.9	20147.2	29122.4
-17.5°	3123.0	3199.9	3163.0	3069.5	3075.5	3229.6	3498.0	4277.2	6254.7	11085.5	16425.6
-20°	3132.7	3297.0	3300.8	3225.0	3158.4	3141.2	3263.9	3491.1	3933.0	5565.5	7714.2



REPORT NUMBER: P1306016 (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°	3147.6	3303.7	3414.8	3393.8	3263.1	3186.7	3159.3	3245.4	3394.9	3605.6	4302.7
-25°	3154.6	3300.3	3459.3	3503.0	3448.2	3308.3	3203.7	3145.3	3198.2	3265.1	3401.4
-27.5°	3124.5	3295.1	3449.3	3578.5	3594.2	3502.8	3349.0	3224.3	3175.8	3129.9	3186.1
-30°	3074.5	3265.1	3426.3	3585.3	3648.9	3619.6	3539.1	3437.9	3319.7	3227.8	3195.6
-32.5°	2665.2	3220.2	3385.3	3523.1	3628.0	3657.9	3658.8	3604.6	3554.1	3483.2	3400.2
-35°	2195.8	2811.4	3348.7	3418.1	3514.2	3613.5	3687.3	3689.8	3683.9	3650.3	3615.3
-37.5°	1706.9	2280.6	2797.3	3211.0	3356.4	3473.3	3599.6	3684.9	3738.5	3728.9	3722.4
-40°	1486.1	1666.9	2150.3	2572.0	2925.7	3258.5	3395.3	3548.6	3672.0	3714.9	3743.9
-42.5°	1417.9	1495.2	1573.9	1893.4	2257.9	2578.4	2879.8	3167.3	3424.0	3569.4	3670.6
-45°	1380.5	1423.5	1471.7	1542.8	1604.3	1869.8	2139.9	2402.2	2722.4	3017.2	3272.8
-47.5°	1345.8	1379.5	1416.8	1453.4	1487.6	1535.8	1577.5	1652.0	1891.9	2133.7	2376.4
-50°	1290.1	1345.7	1376.7	1404.0	1428.2	1450.6	1469.9	1503.5	1543.3	1578.0	1613.1
-52.5°	1196.9	1259.6	1319.1	1364.1	1383.0	1401.6	1420.6	1446.1	1469.7	1491.2	1507.8
-55°	1092.5	1155.9	1215.8	1261.5	1302.4	1340.1	1373.7	1396.3	1418.4	1439.6	1455.7
-57.5°	977.6	1042.2	1100.8	1144.6	1185.6	1223.6	1260.6	1296.1	1328.7	1358.1	1383.0
-60°	861.3	915.9	968.8	1015.1	1057.4	1095.5	1132.0	1167.0	1199.0	1227.8	1252.8
-62.5°	752.1	802.6	844.5	882.4	918.7	953.9	990.9	1024.9	1055.9	1084.2	1110.1
-65°	653.6	697.1	728.8	758.5	786.5	816.7	849.2	879.3	906.6	932.0	955.4
-67.5°	552.3	590.0	617.8	643.5	667.4	691.5	717.5	741.8	764.1	785.5	805.5
-70°	464.3	490.6	510.1	529.7	551.0	572.6	595.1	615.5	633.9	651.4	667.5
-72.5°	396.7	412.8	426.5	443.3	458.5	474.6	491.3	506.7	520.8	534.5	547.3
-75°	350.9	362.8	373.9	384.3	394.1	405.6	417.6	428.9	439.6	449.6	459.1
-77.5°	319.1	328.3	336.0	343.2	350.1	359.1	368.4	377.6	386.5	394.0	401.0
-80°	288.0	295.4	301.9	308.2	314.3	322.0	329.9	337.6	345.1	351.9	358.4
-82.5°	255.8	261.8	267.3	272.7	277.8	284.4	290.9	297.3	303.4	309.0	314.5
-85°	223.7	228.3	232.6	236.9	240.9	246.3	251.6	256.7	261.8	265.5	269.0
-87.5°	194.5	197.9	201.2	204.5	207.6	211.5	215.3	219.1	222.9	225.4	227.8
-90°	1.7	1.5	1.3	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9



REPORT NUMBER: P1306016 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	201.4	203.1	202.7	202.2	202.7	203.1	201.4	199.6	197.9	196.1	193.3
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.9	1.7	1.7	1.7	1.7	1.7	1.9	2.1	2.3	2.4	2.5
72.5°	6.1	6.0	6.1	6.1	6.1	6.0	6.1	6.1	6.0	6.0	6.0
70°	9.6	10.2	10.4	10.4	10.4	10.2	9.6	9.1	8.6	8.3	8.6
67.5°	7.1	7.0	6.6	6.1	6.6	7.0	7.1	7.3	7.4	7.8	8.5
65°	4.5	4.4	4.3	4.3	4.3	4.4	4.5	4.7	5.0	5.6	6.5
62.5°	3.3	3.5	3.5	3.5	3.5	3.5	3.3	3.2	3.1	3.4	4.0
60°	2.4	2.6	2.6	2.6	2.6	2.6	2.4	2.2	2.0	2.2	2.4
57.5°	2.3	2.5	2.6	2.6	2.6	2.5	2.3	2.0	1.7	2.4	2.8
55°	6.6	6.7	6.5	6.1	6.5	6.7	6.6	6.2	5.6	7.2	7.5
52.5°	31.6	29.1	25.4	20.8	25.4	29.1	31.6	32.1	31.5	32.2	28.1
50°	110.1	113.1	110.5	102.4	110.5	113.1	110.1	104.1	100.9	101.2	91.1
47.5°	226.8	229.3	221.4	203.1	221.4	229.3	226.8	218.3	216.6	219.0	213.1
45°	474.9	471.2	430.3	345.4	430.3	471.2	474.9	459.9	439.8	405.4	357.0
42.5°	818.9	855.4	876.9	877.3	876.9	855.4	818.9	775.5	773.7	744.8	687.9
40°	1060.0	1017.2	970.5	963.3	970.5	1017.2	1060.0	1068.7	1074.0	1110.1	1077.4
37.5°	1196.5	1205.5	1200.3	1099.5	1200.3	1205.5	1196.5	1203.8	1206.9	1212.9	1206.3
35°	1240.0	1307.8	1377.6	1391.9	1377.6	1307.8	1240.0	1220.2	1228.8	1232.9	1240.6
32.5°	1261.0	1284.3	1290.6	1293.0	1290.6	1284.3	1261.0	1245.6	1242.2	1252.3	1269.1
30°	1375.8	1391.0	1388.8	1385.9	1388.8	1391.0	1375.8	1350.3	1294.9	1292.5	1308.4
27.5°	1584.9	1610.0	1621.2	1628.9	1621.2	1610.0	1584.9	1559.2	1504.9	1444.1	1377.5
25°	1884.0	1922.4	1948.8	1960.4	1948.8	1922.4	1884.0	1836.2	1748.7	1658.0	1571.0
22.5°	3050.9	3317.1	3580.5	3716.8	3580.5	3317.1	3050.9	2531.3	2081.4	1923.8	1804.9
20°	7616.1	8766.4	9291.7	9445.1	9291.7	8766.4	7616.1	5107.3	3647.5	2452.2	2119.5
17.5°	17736.3	22096.6	25013.1	22457.7	25013.1	22096.6	17736.3	12364.0	8376.1	4452.4	2882.2
15°	36302.2	47345.3	53524.8	50047.5	53524.8	47345.3	36302.2	24919.9	16616.3	10030.4	4944.2
12.5°	65406.1	82640.6	94215.9	90398.8	94215.9	82640.6	65406.1	46358.1	26864.4	17482.1	9701.8
10°	102947.8	137603.6	160679.6	166384.2	160679.6	137603.6	102947.8	71309.4	47040.2	26055.3	14545.3
7.5°	149397.0	192305.6	226175.6	231417.7	226175.6	192305.6	149397.0	103739.7	65017.6	36800.2	20116.2
5°	194837.9	245486.1	280727.1	289875.9	280727.1	245486.1	194837.9	131766.4	81902.2	48290.5	24804.3
2.5°	223041.8	278168.3	320618.0	339316.0	320618.0	278168.3	223041.8	156637.7	95991.4	55903.1	28449.1
0°	233108.7	290681.2	336739.1	363560.5	336739.1	290681.2	233108.7	168874.8	102019.8	59523.9	30647.1
-2.5°	225303.7	277441.1	316322.1	334967.4	316322.1	277441.1	225303.7	161103.7	100004.9	58046.6	30571.3
-5°	191895.1	243697.3	275331.7	290519.8	275331.7	243697.3	191895.1	135771.6	87876.0	51941.1	28050.9
-7.5°	149948.9	191410.3	218727.2	232545.0	218727.2	191410.3	149948.9	105085.7	68608.8	41517.9	23094.7
-10°	104919.2	137813.5	156227.2	167502.0	156227.2	137813.5	104919.2	74784.3	49754.3	29567.3	16647.6
-12.5°	68265.6	87412.0	97724.9	104948.6	97724.9	87412.0	68265.6	49485.3	31342.0	20527.5	11622.5
-15°	41441.3	50772.4	56371.5	59881.4	56371.5	50772.4	41441.3	29122.4	20147.2	12451.9	6454.3
-17.5°	23130.0	27137.9	29975.8	31546.1	29975.8	27137.9	23130.0	16425.6	11085.5	6254.7	4277.2
-20°	11477.2	14012.5	15677.9	16377.0	15677.9	14012.5	11477.2	7714.2	5565.5	3933.0	3491.1



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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°	5296.7	5974.0	6422.4	6636.0	6422.4	5974.0	5296.7	4302.7	3605.6	3394.9	3245.4
-25°	3534.0	3640.3	3718.4	3752.3	3718.4	3640.3	3534.0	3401.4	3265.1	3198.2	3145.3
-27.5°	3236.9	3293.2	3339.9	3358.4	3339.9	3293.2	3236.9	3186.1	3129.9	3175.8	3224.3
-30°	3170.8	3173.3	3186.5	3186.5	3186.5	3173.3	3170.8	3195.6	3227.8	3319.7	3437.9
-32.5°	3337.4	3300.9	3284.9	3302.0	3284.9	3300.9	3337.4	3400.2	3483.2	3554.1	3604.6
-35°	3592.0	3582.2	3583.0	3601.4	3583.0	3582.2	3592.0	3615.3	3650.3	3683.9	3689.8
-37.5°	3724.1	3731.9	3740.7	3742.8	3740.7	3731.9	3724.1	3722.4	3728.9	3738.5	3684.9
-40°	3760.8	3775.9	3787.4	3791.4	3787.4	3775.9	3760.8	3743.9	3714.9	3672.0	3548.6
-42.5°	3715.4	3745.6	3761.6	3765.4	3761.6	3745.6	3715.4	3670.6	3569.4	3424.0	3167.3
-45°	3458.5	3593.2	3669.4	3689.9	3669.4	3593.2	3458.5	3272.8	3017.2	2722.4	2402.2
-47.5°	2612.4	2823.8	2971.0	3039.0	2971.0	2823.8	2612.4	2376.4	2133.7	1891.9	1652.0
-50°	1649.9	1684.8	1710.8	1726.9	1710.8	1684.8	1649.9	1613.1	1578.0	1543.3	1503.5
-52.5°	1522.2	1535.0	1542.4	1545.5	1542.4	1535.0	1522.2	1507.8	1491.2	1469.7	1446.1
-55°	1469.5	1481.4	1486.6	1487.4	1486.6	1481.4	1469.5	1455.7	1439.6	1418.4	1396.3
-57.5°	1404.6	1422.6	1430.6	1431.9	1430.6	1422.6	1404.6	1383.0	1358.1	1328.7	1296.1
-60°	1274.0	1291.5	1300.1	1303.4	1300.1	1291.5	1274.0	1252.8	1227.8	1199.0	1167.0
-62.5°	1132.6	1151.6	1157.4	1156.8	1157.4	1151.6	1132.6	1110.1	1084.2	1055.9	1024.9
-65°	975.9	993.3	998.3	998.0	998.3	993.3	975.9	955.4	932.0	906.6	879.3
-67.5°	823.2	838.6	843.9	845.2	843.9	838.6	823.2	805.5	785.5	764.1	741.8
-70°	681.6	693.7	696.8	696.8	696.8	693.7	681.6	667.5	651.4	633.9	615.5
-72.5°	559.0	569.4	571.2	571.0	571.2	569.4	559.0	547.3	534.5	520.8	506.7
-75°	468.0	476.3	476.6	475.6	476.6	476.3	468.0	459.1	449.6	439.6	428.9
-77.5°	407.6	413.7	415.0	415.7	415.0	413.7	407.6	401.0	394.0	386.5	377.6
-80°	364.6	370.5	370.4	369.7	370.4	370.5	364.6	358.4	351.9	345.1	337.6
-82.5°	319.7	324.8	324.9	324.6	324.9	324.8	319.7	314.5	309.0	303.4	297.3
-85°	272.4	275.6	275.5	275.1	275.5	275.6	272.4	269.0	265.5	261.8	256.7
-87.5°	230.2	232.5	232.6	232.6	232.6	232.5	230.2	227.8	225.4	222.9	219.1
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	190.5	187.6	184.8	181.6	178.3	175.1	171.8	167.0	162.3	157.5	152.7
87.5°	1.3	1.5	1.6	1.6	1.6	1.7	1.7	1.9	2.2	2.4	2.6
85°	1.3	1.5	1.7	1.7	1.7	1.7	1.7	1.9	2.2	2.4	2.6
82.5°	1.6	1.7	1.7	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.6
80°	1.7	1.7	1.7	2.0	2.2	2.4	2.6	2.6	2.6	2.6	2.6
77.5°	1.7	1.7	1.7	2.0	2.2	2.4	2.7	2.9	3.0	3.1	3.1
75°	2.6	2.6	2.6	2.7	2.7	2.6	2.7	2.9	3.1	3.4	3.5
72.5°	5.9	5.7	5.5	5.5	5.3	5.4	5.2	4.7	4.3	3.8	3.6
70°	8.9	9.1	9.6	10.2	10.3	10.1	9.7	8.9	7.4	6.3	5.7
67.5°	9.3	10.0	11.2	12.5	13.3	13.8	14.8	15.4	14.7	13.1	10.0
65°	7.6	8.7	10.0	11.2	12.6	14.5	18.4	20.5	21.1	20.4	17.0
62.5°	4.8	5.8	6.9	8.3	9.8	12.4	17.5	21.7	25.2	26.2	22.5
60°	2.6	2.7	4.2	5.6	6.9	9.8	14.9	20.5	26.3	27.0	25.8
57.5°	2.8	3.3	4.5	5.2	5.3	8.8	13.4	17.8	23.2	26.3	26.4
55°	6.3	7.4	8.8	9.0	8.8	12.6	14.9	17.6	22.5	25.6	27.6
52.5°	20.6	26.3	26.5	19.4	20.9	25.6	22.4	24.0	28.2	32.2	32.5
50°	81.3	83.1	74.8	61.0	66.6	59.4	52.6	44.1	50.1	51.4	44.4
47.5°	201.6	185.2	165.0	149.2	145.4	143.3	124.5	101.4	108.2	87.0	76.6
45°	342.6	317.9	285.4	258.5	236.9	227.1	222.9	208.4	194.6	175.7	123.3
42.5°	642.9	527.0	431.1	389.4	332.6	308.7	295.5	293.2	286.7	274.7	234.8
40°	1006.5	996.5	829.1	604.1	500.4	401.9	368.2	353.7	353.6	351.5	329.7
37.5°	1197.3	1172.4	1126.9	1022.2	782.6	613.3	488.5	420.4	403.3	402.5	387.4
35°	1241.4	1235.6	1234.1	1186.8	1108.7	942.4	725.3	546.4	463.4	444.5	436.3
32.5°	1274.1	1284.9	1290.6	1280.7	1286.8	1281.7	1074.6	797.2	553.6	497.5	477.5
30°	1321.3	1337.1	1344.3	1368.0	1415.5	1436.0	1434.8	1109.8	772.2	553.6	522.1
27.5°	1382.9	1395.6	1411.1	1490.7	1531.6	1560.2	1577.7	1483.6	1014.6	707.9	574.4
25°	1508.3	1468.4	1559.0	1640.9	1676.6	1692.2	1737.6	1695.3	1375.2	889.1	628.6
22.5°	1701.9	1647.2	1686.2	1819.8	1833.1	1843.2	1875.9	1886.0	1735.5	1151.1	786.6
20°	1939.8	1838.2	1828.6	1898.6	1965.2	1976.8	2012.2	2028.7	1889.2	1471.2	965.6
17.5°	2251.1	2048.0	1950.5	1972.8	2050.6	2090.1	2126.8	2138.0	2040.9	1759.4	1145.7
15°	2793.8	2290.7	2109.3	2067.1	2118.1	2185.5	2233.5	2269.3	2177.1	1946.4	1385.1
12.5°	4541.0	2567.9	2262.4	2134.1	2160.5	2254.8	2328.5	2372.6	2284.3	2071.5	1621.9
10°	6534.6	3286.6	2466.5	2262.5	2216.8	2299.0	2394.5	2424.1	2356.8	2174.9	1821.8
7.5°	9837.2	4220.8	2659.0	2386.6	2288.6	2336.4	2422.8	2459.8	2418.3	2256.4	1986.7
5°	12212.3	4982.0	2844.5	2509.6	2368.6	2395.3	2455.0	2496.5	2469.5	2319.6	2118.6
2.5°	14068.4	5691.6	3006.7	2617.5	2444.5	2463.1	2519.9	2534.7	2492.1	2327.6	2172.2
0°	15286.2	6014.7	3072.0	2671.1	2501.9	2516.6	2634.6	2574.8	2498.4	2317.9	2199.9
-2.5°	15162.7	5856.4	3100.7	2707.9	2557.0	2585.1	2725.7	2728.7	2555.9	2342.3	2221.3
-5°	14359.4	5850.5	3163.8	2765.5	2625.3	2664.1	2805.1	2823.6	2606.7	2375.5	2215.1
-7.5°	11614.4	5239.3	3172.1	2808.1	2696.5	2753.9	2875.8	2862.0	2667.1	2472.3	2241.7
-10°	7770.0	4168.7	3136.9	2853.2	2778.5	2856.8	2950.4	2898.9	2727.5	2562.9	2230.6
-12.5°	5742.8	3517.8	3089.2	2884.3	2873.5	2988.4	3035.6	2935.0	2792.8	2646.7	2177.3
-15°	4006.6	3355.6	3080.7	2978.9	3009.5	3105.7	3107.9	2958.1	2828.2	2702.7	2078.7
-17.5°	3498.0	3229.6	3075.5	3069.5	3163.0	3199.9	3123.0	2979.6	2842.2	2614.7	1896.0
-20°	3263.9	3141.2	3158.4	3225.0	3300.8	3297.0	3132.7	2995.0	2831.7	2374.4	1685.9



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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°	3159.3	3186.7	3263.1	3393.8	3414.8	3303.7	3147.6	2996.2	2796.4	2090.9	1468.1
-25°	3203.7	3308.3	3448.2	3503.0	3459.3	3300.3	3154.6	2966.2	2491.4	1810.1	1277.9
-27.5°	3349.0	3502.8	3594.2	3578.5	3449.3	3295.1	3124.5	2852.2	2139.0	1562.6	1268.9
-30°	3539.1	3619.6	3648.9	3585.3	3426.3	3265.1	3074.5	2435.8	1821.1	1356.4	1248.0
-32.5°	3658.8	3657.9	3628.0	3523.1	3385.3	3220.2	2665.2	2018.6	1493.5	1326.5	1233.3
-35°	3687.3	3613.5	3514.2	3418.1	3348.7	2811.4	2195.8	1637.2	1397.5	1296.0	1219.5
-37.5°	3599.6	3473.3	3356.4	3211.0	2797.3	2280.6	1706.9	1449.3	1349.6	1278.1	1208.1
-40°	3395.3	3258.5	2925.7	2572.0	2150.3	1666.9	1486.1	1387.3	1322.7	1260.8	1196.5
-42.5°	2879.8	2578.4	2257.9	1893.4	1573.9	1495.2	1417.9	1356.0	1297.0	1241.6	1151.3
-45°	2139.9	1869.8	1604.3	1542.8	1471.7	1423.5	1380.5	1328.1	1275.4	1189.1	1092.6
-47.5°	1577.5	1535.8	1487.6	1453.4	1416.8	1379.5	1345.8	1301.3	1211.7	1119.9	1020.5
-50°	1469.9	1450.6	1428.2	1404.0	1376.7	1345.7	1290.1	1221.1	1132.9	1039.5	944.1
-52.5°	1420.6	1401.6	1383.0	1364.1	1319.1	1259.6	1196.9	1126.3	1044.3	953.5	862.1
-55°	1373.7	1340.1	1302.4	1261.5	1215.8	1155.9	1092.5	1023.6	947.0	861.5	779.8
-57.5°	1260.6	1223.6	1185.6	1144.6	1100.8	1042.2	977.6	911.5	845.0	769.2	696.5
-60°	1132.0	1095.5	1057.4	1015.1	968.8	915.9	861.3	802.6	739.8	681.9	623.2
-62.5°	990.9	953.9	918.7	882.4	844.5	802.6	752.1	702.8	652.5	600.6	546.5
-65°	849.2	816.7	786.5	758.5	728.8	697.1	653.6	608.7	562.8	515.8	468.1
-67.5°	717.5	691.5	667.4	643.5	617.8	590.0	552.3	512.0	475.9	440.6	403.5
-70°	595.1	572.6	551.0	529.7	510.1	490.6	464.3	434.3	403.2	377.3	353.4
-72.5°	491.3	474.6	458.5	443.3	426.5	412.8	396.7	376.8	356.3	335.2	315.6
-75°	417.6	405.6	394.1	384.3	373.9	362.8	350.9	336.1	321.4	306.7	291.8
-77.5°	368.4	359.1	350.1	343.2	336.0	328.3	319.1	306.3	293.5	280.7	267.7
-80°	329.9	322.0	314.3	308.2	301.9	295.4	288.0	276.9	265.7	254.3	242.9
-82.5°	290.9	284.4	277.8	272.7	267.3	261.8	255.8	246.2	236.6	226.9	217.3
-85°	251.6	246.3	240.9	236.9	232.6	228.3	223.7	215.8	207.9	199.9	191.8
-87.5°	215.3	211.5	207.6	204.5	201.2	197.9	194.5	188.3	182.1	176.0	169.8
-90°	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	2.6



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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°	147.1	141.5	135.8	130.2	122.6	115.0	107.4	99.8	91.8	83.8	75.7
87.5°	2.6	2.6	2.6	2.6	2.8	3.1	3.3	3.5	3.5	3.5	3.5
85°	2.6	2.6	2.6	2.6	2.8	3.1	3.3	3.5	3.5	3.5	3.5
82.5°	2.6	2.6	2.6	2.6	2.8	3.1	3.3	3.5	3.6	3.5	3.5
80°	2.8	2.9	2.9	2.9	3.0	3.1	3.3	3.5	3.8	3.8	3.8
77.5°	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	4.0	4.1	4.2
75°	3.5	3.4	3.4	3.6	3.9	3.9	4.0	4.1	4.5	4.5	4.6
72.5°	3.7	3.7	3.7	3.8	4.3	4.5	4.5	4.7	5.2	5.4	5.1
70°	5.0	4.3	4.1	4.6	5.0	5.1	5.2	5.7	6.0	6.2	6.1
67.5°	7.3	6.5	5.6	5.7	6.1	6.4	6.2	6.9	7.4	7.2	7.0
65°	13.4	10.2	7.8	8.3	8.2	7.8	7.7	8.4	8.9	8.8	8.0
62.5°	18.9	15.2	12.8	11.9	11.2	10.5	9.5	10.7	10.7	10.5	9.5
60°	23.8	19.8	18.5	17.8	15.8	13.8	13.2	13.1	13.2	12.3	11.3
57.5°	25.1	23.6	25.2	24.5	22.2	18.8	17.8	17.3	15.9	14.8	13.3
55°	26.4	26.7	32.4	32.6	29.5	25.4	24.1	22.7	19.3	17.5	15.7
52.5°	30.5	34.8	40.7	41.8	38.6	34.0	33.2	28.7	25.1	20.3	18.9
50°	40.3	48.3	53.2	53.4	48.8	47.1	43.2	38.1	31.3	24.1	22.5
47.5°	68.2	74.9	70.8	68.3	62.7	62.5	57.5	48.5	38.0	30.2	26.4
45°	123.8	117.5	101.7	88.6	83.5	82.8	74.5	59.7	48.1	37.8	30.6
42.5°	191.5	178.0	154.0	111.9	112.3	106.7	93.4	76.3	58.9	45.6	36.5
40°	283.5	249.3	216.2	172.6	145.4	133.3	117.2	95.0	70.2	54.8	43.6
37.5°	367.5	325.0	288.3	232.6	186.3	166.7	143.4	114.9	84.9	66.3	50.8
35°	418.3	393.7	352.0	290.7	239.1	202.8	171.4	137.3	103.4	78.0	58.2
32.5°	462.1	447.4	404.8	346.3	288.8	241.4	203.6	160.6	121.4	89.9	65.7
30°	502.7	487.2	457.3	397.9	336.0	284.9	236.0	182.9	139.1	102.0	73.9
27.5°	545.2	527.3	506.6	446.0	381.5	325.6	263.5	204.2	156.3	115.2	83.8
25°	589.0	566.5	543.6	493.4	423.4	358.0	289.9	224.6	174.0	129.7	93.6
22.5°	638.8	604.2	580.4	540.3	461.5	390.8	316.2	247.1	191.3	143.6	103.4
20°	688.1	640.5	615.8	578.2	499.4	423.5	343.3	268.2	207.6	157.0	112.9
17.5°	754.3	678.9	643.9	604.9	535.0	455.0	369.8	288.1	222.9	169.7	122.2
15°	909.6	720.3	672.0	630.8	567.3	485.1	395.5	306.7	237.1	181.7	130.7
12.5°	1072.3	761.3	700.0	655.6	596.5	513.7	420.2	323.8	250.2	192.6	138.2
10°	1236.2	801.4	727.6	679.2	622.7	540.5	443.5	341.4	264.6	202.6	145.0
7.5°	1395.3	840.0	754.6	701.6	646.1	563.7	465.6	361.9	278.6	211.8	151.2
5°	1531.4	874.2	781.7	725.7	667.8	582.6	484.9	381.1	291.9	220.2	156.7
2.5°	1597.3	901.5	807.9	749.0	687.4	598.9	501.4	398.9	304.1	227.8	161.5
0°	1634.9	925.1	832.2	770.6	704.7	612.7	515.5	414.8	315.0	234.3	165.7
-2.5°	1632.1	947.4	855.5	793.4	729.3	631.4	527.0	423.7	323.4	241.9	171.4
-5°	1602.9	966.5	876.8	814.5	751.0	647.2	536.0	430.6	330.4	248.4	176.3
-7.5°	1581.9	988.4	897.8	834.3	769.3	659.5	542.5	435.4	335.9	253.7	180.4
-10°	1536.9	1010.0	918.9	852.8	780.4	667.7	546.9	438.2	339.9	257.6	183.7
-12.5°	1457.3	1027.1	937.3	869.0	787.6	672.2	551.8	441.2	342.6	260.2	186.1
-15°	1341.8	1039.2	952.8	882.6	791.4	673.8	553.9	442.9	345.1	261.6	187.6
-17.5°	1189.3	1046.2	965.3	893.4	791.7	672.3	552.9	442.2	345.8	262.1	188.7
-20°	1164.8	1054.9	974.6	901.4	788.6	667.9	548.9	439.0	344.7	261.2	189.2



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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°	1165.9	1066.0	985.0	897.0	781.3	660.4	541.7	433.4	341.8	258.9	188.7
-25°	1162.4	1073.5	994.2	892.1	769.9	650.0	532.4	425.2	337.2	255.1	187.1
-27.5°	1163.3	1078.4	1001.6	882.9	758.8	635.9	521.2	418.3	331.1	249.9	184.5
-30°	1163.5	1083.6	991.3	868.6	743.2	620.1	507.1	409.4	323.8	245.1	180.7
-32.5°	1156.8	1087.1	972.1	847.4	722.7	600.9	491.1	398.4	315.0	239.9	178.7
-35°	1151.1	1066.4	947.8	821.3	697.6	581.1	475.0	385.3	304.4	233.4	176.8
-37.5°	1140.4	1029.1	914.1	789.9	668.3	558.0	459.3	371.8	292.2	225.5	174.1
-40°	1095.4	984.9	870.2	753.4	638.3	531.7	440.9	356.4	281.0	216.3	170.6
-42.5°	1045.1	932.8	821.5	711.3	606.0	508.2	419.8	338.5	268.7	209.6	166.4
-45°	984.2	876.0	768.4	668.3	571.3	481.7	397.0	318.8	254.9	203.9	162.7
-47.5°	918.5	814.3	715.3	621.9	538.2	452.4	371.4	301.4	239.6	197.3	160.4
-50°	847.5	751.8	661.3	578.0	499.7	420.6	344.8	282.1	230.2	189.2	157.5
-52.5°	774.7	689.6	608.9	533.2	458.8	385.8	321.1	262.0	219.7	183.4	154.2
-55°	701.1	629.9	557.3	485.4	415.3	354.4	295.4	248.5	208.1	178.4	150.4
-57.5°	633.1	570.5	502.3	434.8	375.4	321.9	274.6	233.8	200.3	172.8	147.2
-60°	564.6	505.6	444.1	388.7	337.1	293.6	256.3	220.4	193.3	167.1	143.3
-62.5°	492.4	440.4	393.1	344.1	305.0	270.9	238.5	211.8	185.8	161.8	138.8
-65°	426.5	384.5	343.3	311.3	279.3	250.3	227.7	202.6	178.8	156.0	134.0
-67.5°	365.9	339.0	311.9	282.6	259.0	237.4	216.1	193.8	171.6	149.9	128.8
-70°	329.0	304.4	284.4	264.6	244.3	224.2	205.2	185.0	163.9	143.2	123.3
-72.5°	299.0	282.3	265.7	248.0	229.6	211.6	194.1	175.5	155.4	136.0	117.4
-75°	276.7	261.8	247.1	231.7	215.0	198.5	182.0	165.0	146.4	128.5	111.2
-77.5°	254.4	241.3	228.4	214.7	199.3	184.1	169.3	154.1	137.1	120.6	104.7
-80°	231.3	219.8	208.3	196.5	182.9	169.4	156.0	142.5	127.1	112.3	97.9
-82.5°	207.4	197.6	187.8	177.7	165.7	153.9	142.2	130.5	116.9	103.7	91.6
-85°	183.5	175.2	166.8	158.4	148.2	138.1	128.7	119.2	108.1	97.1	86.4
-87.5°	163.3	156.7	150.1	143.5	135.1	126.6	118.1	109.6	100.0	90.5	81.2
-90°	2.6	2.6	2.6	2.6	2.8	3.1	3.3	3.5	3.5	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	67.7	56.4	45.1	33.9	22.6	13.9	5.2
87.5°	3.5	3.6	3.6	3.7	3.7	4.5	5.2
85°	3.5	3.7	3.8	3.8	3.8	4.7	5.2
82.5°	3.5	3.8	3.9	4.0	4.0	4.8	5.2
80°	3.6	3.9	4.1	4.2	4.1	5.0	5.2
77.5°	4.1	4.2	4.3	4.3	4.3	5.1	5.2
75°	4.6	4.8	4.5	4.5	4.5	5.3	5.2
72.5°	5.1	5.4	5.1	4.7	4.7	5.5	5.2
70°	5.8	6.0	5.8	5.0	4.9	5.6	5.2
67.5°	6.9	6.7	6.4	5.5	5.1	5.8	5.2
65°	8.1	7.7	7.1	6.1	5.4	6.0	5.2
62.5°	9.4	8.9	7.8	6.7	5.6	6.1	5.2
60°	10.8	10.3	8.5	7.3	5.9	6.3	5.2
57.5°	12.9	11.6	9.7	7.9	6.5	6.5	5.2
55°	15.2	13.1	10.9	8.4	7.1	6.7	5.2
52.5°	17.7	14.7	12.2	9.0	7.7	6.8	5.2
50°	20.3	17.0	13.5	9.6	8.4	7.0	5.2
47.5°	23.1	19.3	14.8	10.3	9.0	7.2	5.2
45°	26.8	21.8	16.1	11.3	9.7	7.4	5.2
42.5°	30.6	24.3	17.5	12.4	10.4	7.6	5.2
40°	34.5	26.8	19.2	13.7	11.1	7.8	5.2
37.5°	38.6	29.4	21.2	15.2	11.9	8.0	5.2
35°	42.9	32.5	23.2	16.8	12.6	8.1	5.2
32.5°	47.8	35.9	25.1	18.4	13.4	8.3	5.2
30°	53.8	39.3	27.1	20.0	14.2	8.5	5.2
27.5°	59.9	42.6	29.9	21.6	14.9	8.7	5.2
25°	65.9	46.0	32.8	23.3	15.7	8.9	5.2
22.5°	71.8	49.6	35.6	24.9	16.5	9.1	5.2
20°	77.6	53.7	38.4	26.5	17.2	9.2	5.2
17.5°	83.4	57.7	41.2	28.1	18.0	9.4	5.2
15°	89.0	61.5	43.9	29.7	18.7	9.6	5.2
12.5°	94.3	65.2	46.5	31.3	19.4	9.7	5.2
10°	99.3	68.7	49.1	32.8	20.1	9.9	5.2
7.5°	103.9	72.0	51.5	34.2	20.8	10.0	5.2
5°	108.1	75.1	53.8	35.6	21.4	10.2	5.2
2.5°	111.9	78.0	56.0	37.0	22.0	10.3	5.2
0°	115.4	80.7	58.1	38.2	22.6	10.4	5.2
-2.5°	119.5	84.0	60.7	40.2	23.8	10.9	5.2
-5°	123.2	87.2	63.1	42.1	25.0	11.4	5.2
-7.5°	126.4	90.0	65.4	43.9	26.1	11.9	5.2
-10°	129.2	92.7	67.6	45.6	27.2	12.3	5.2
-12.5°	131.6	95.1	69.5	47.2	28.2	12.8	5.2
-15°	133.5	97.2	71.3	48.7	29.1	13.2	5.2
-17.5°	134.9	99.0	72.9	50.0	29.9	13.6	5.2
-20°	136.1	100.6	74.4	51.2	30.7	14.0	5.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	137.3	101.9	75.6	52.3	31.4	14.4	5.2
-25°	137.8	103.2	76.7	53.2	32.0	14.7	5.2
-27.5°	137.8	104.2	77.7	54.0	32.5	15.1	5.2
-30°	137.2	105.0	78.4	54.6	33.0	15.4	5.2
-32.5°	136.0	105.3	79.0	55.1	33.3	15.6	5.2
-35°	135.6	105.4	79.4	55.4	33.5	15.9	5.2
-37.5°	135.3	105.3	79.6	55.6	33.7	16.1	5.2
-40°	134.6	105.3	79.6	55.6	33.7	16.3	5.2
-42.5°	133.5	105.0	79.3	55.5	33.7	16.4	5.2
-45°	131.9	104.3	78.9	55.2	33.5	16.5	5.2
-47.5°	130.0	103.4	78.3	54.7	33.3	16.6	5.2
-50°	128.3	102.2	77.4	54.1	33.0	16.7	5.2
-52.5°	126.4	100.7	76.3	53.4	32.5	16.7	5.2
-55°	124.1	98.9	75.0	52.6	32.0	16.7	5.2
-57.5°	121.5	96.9	73.5	51.6	31.4	16.7	5.2
-60°	118.5	94.6	71.8	50.5	30.7	16.6	5.2
-62.5°	115.2	92.0	70.0	49.2	30.4	16.5	5.2
-65°	111.6	89.2	67.9	47.8	30.0	16.4	5.2
-67.5°	107.7	86.2	65.7	46.2	29.5	16.3	5.2
-70°	103.4	82.9	63.3	44.6	29.0	16.1	5.2
-72.5°	98.9	79.4	60.7	43.4	28.4	15.9	5.2
-75°	94.1	75.7	57.9	42.3	27.7	15.7	5.2
-77.5°	89.1	71.8	55.9	41.1	27.0	15.5	5.2
-80°	83.8	68.6	54.0	39.8	26.2	15.2	5.2
-82.5°	79.9	65.7	51.9	38.5	25.4	14.9	5.2
-85°	76.0	62.8	49.8	37.0	24.5	14.6	5.2
-87.5°	71.9	59.7	47.5	35.5	23.6	14.2	5.2
-90°	3.5	3.5	3.5	3.5	3.5	4.4	5.2

(END OF REPORT)