

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: P1306008 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-70-5S-VHE-A**

Issue Date: 2/3/2026

Test Information

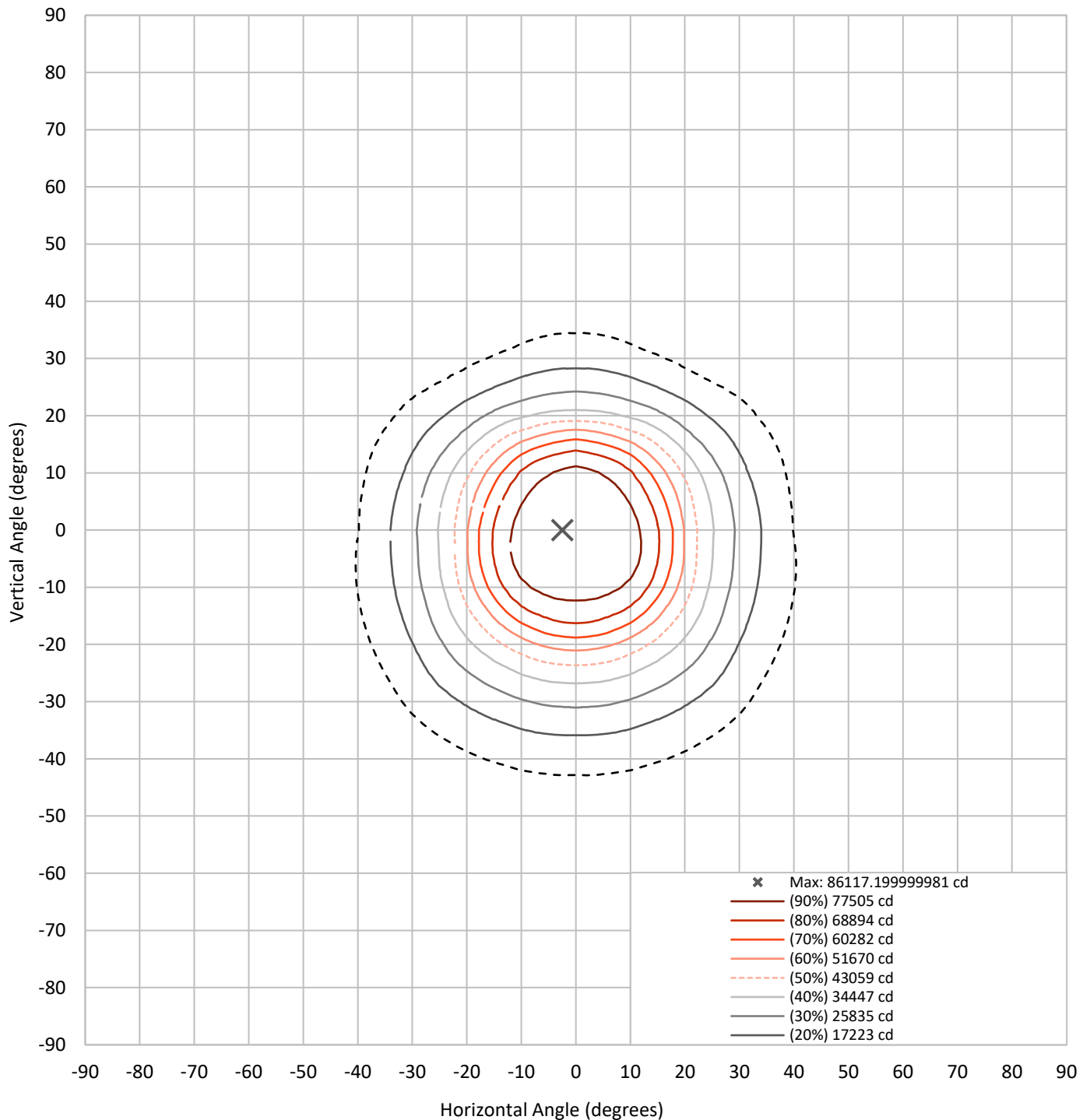
Test Method: LM-79-08
Report Number: P1306008 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-320N-40-70-5S-VHE-A
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 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:	56074 lumens	Max Intensity:	86117.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	167.9 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:	30789.9 lumens	Field Lumens:	51525.1 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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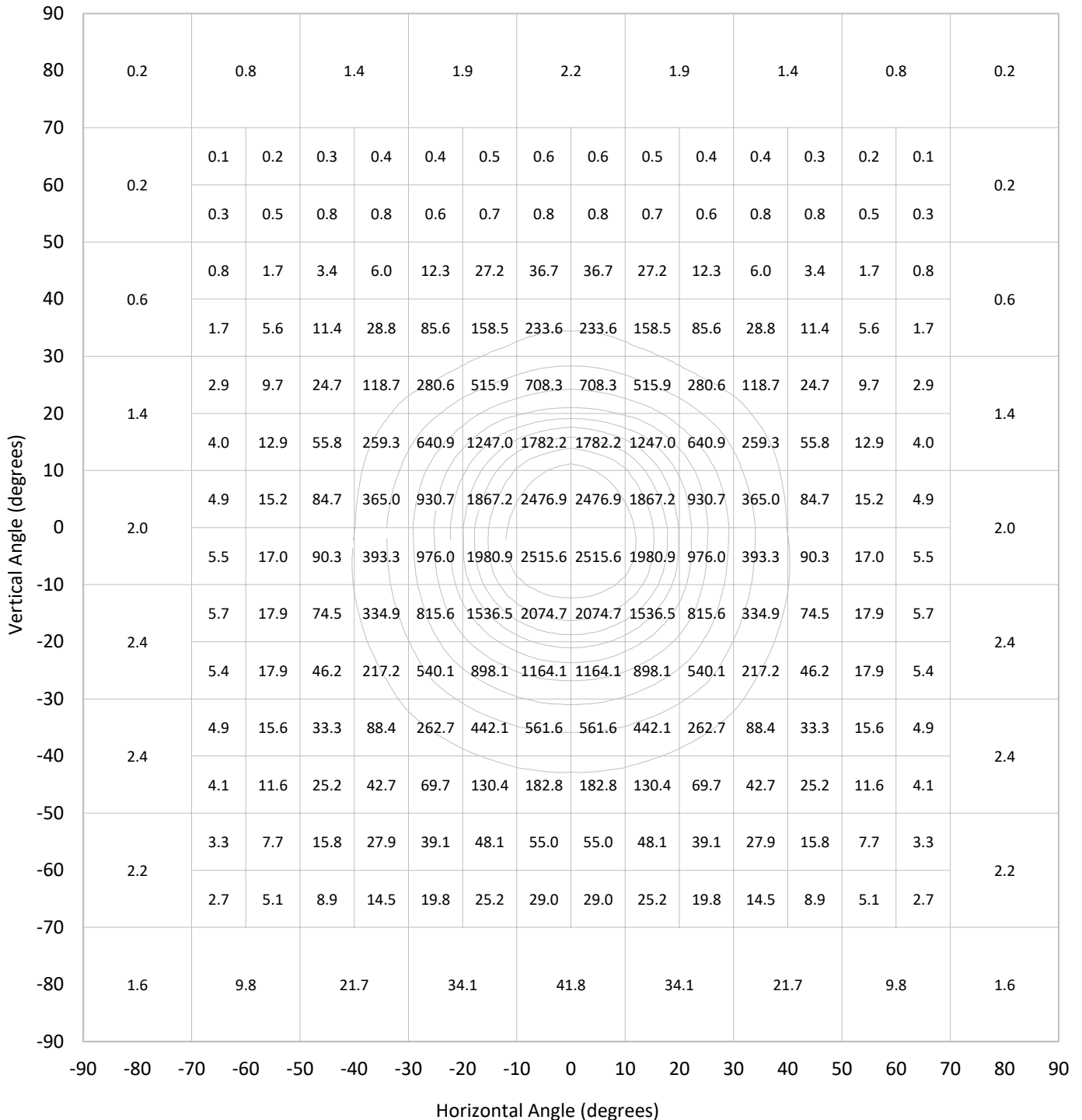
Iso-Candela Plot





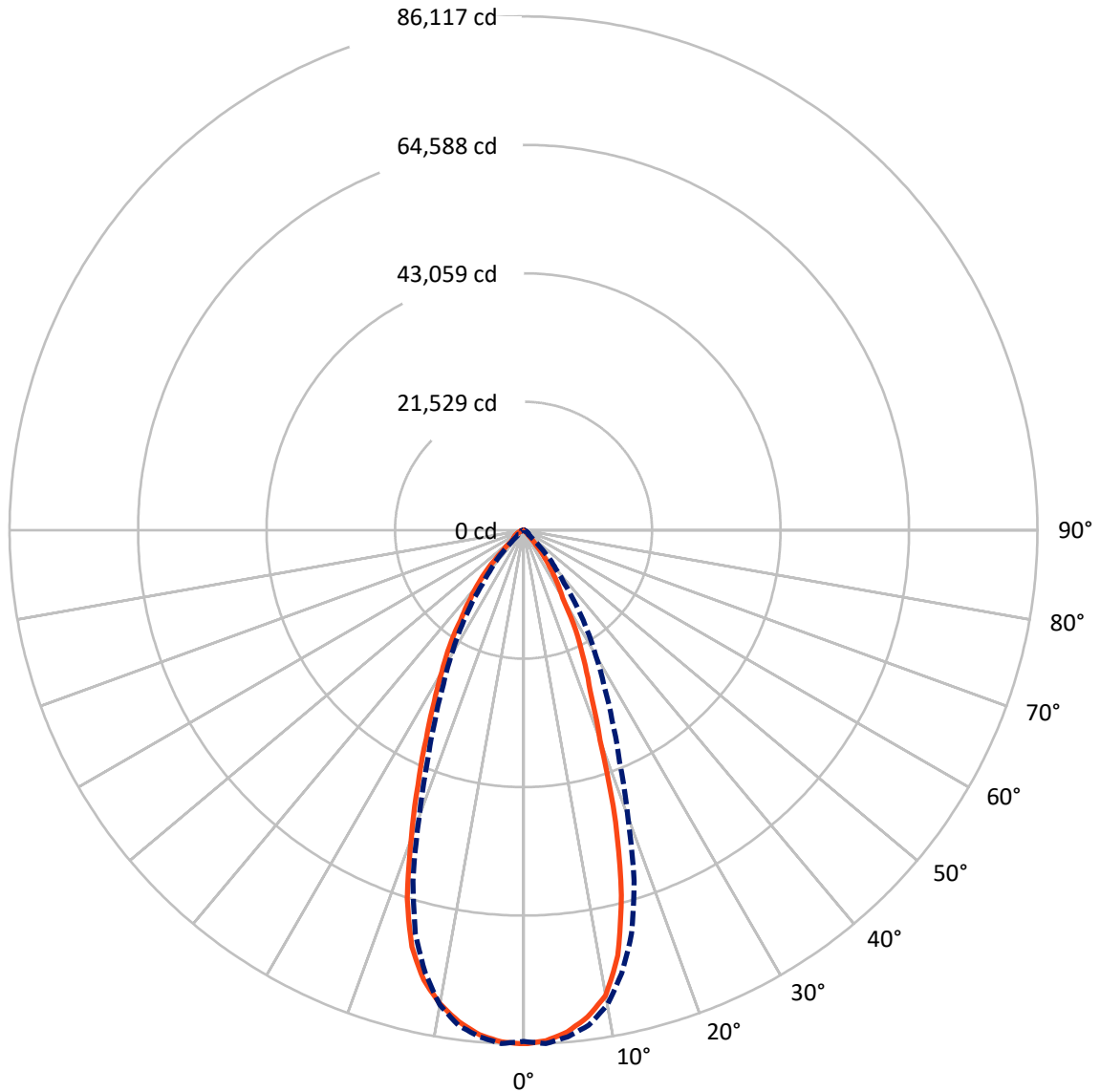
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Lumen Table



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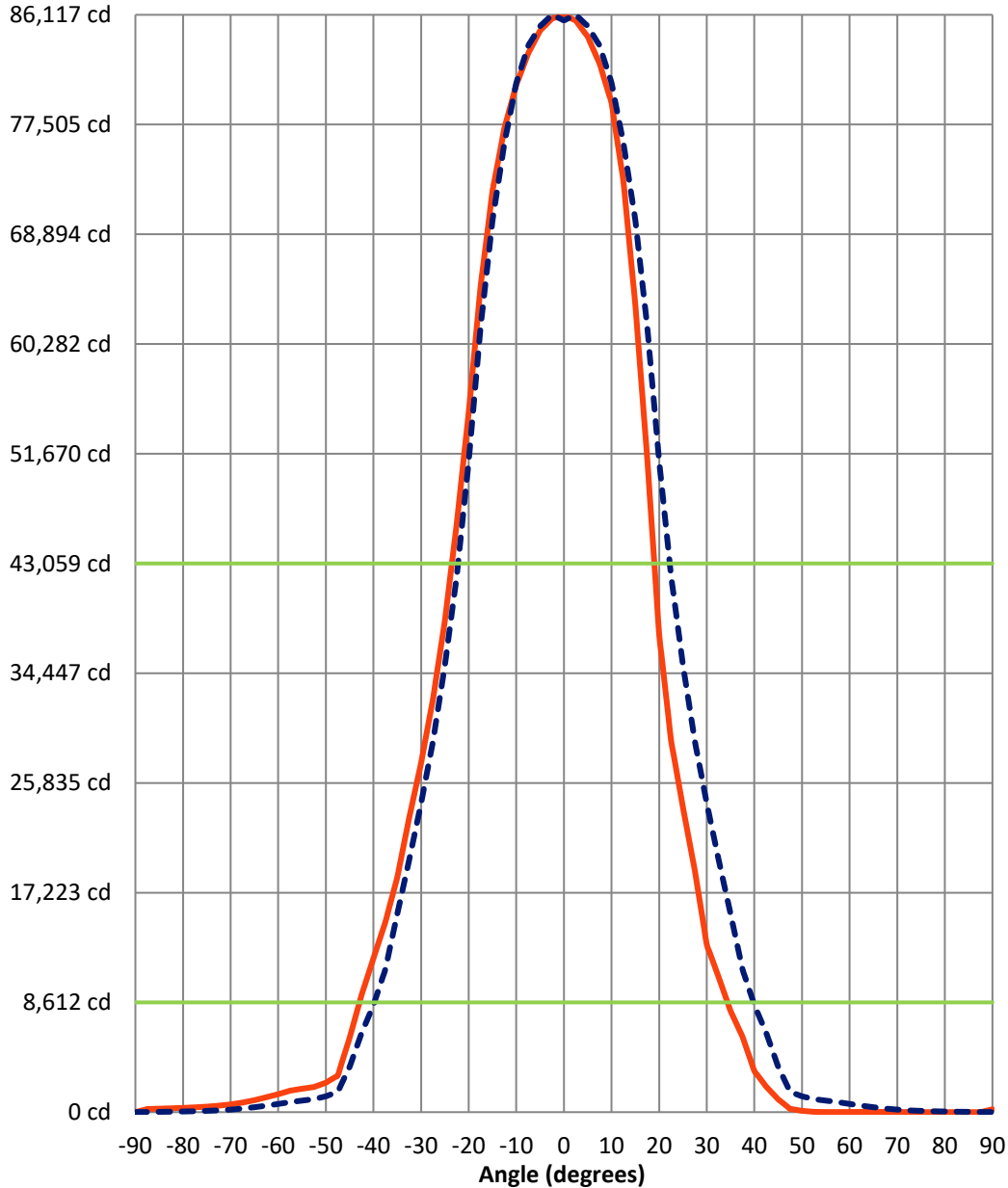
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
H Angle: 44.5°
V Angle: 42.5°
Lumens: 30789.9
Efficiency: 54.9%

Field:
H Angle: 79.6°
V Angle: 77.3°
Lumens: 51525.1
Efficiency: 91.9%

Spill:
Lumens: 4548.9
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°	7.4	14.5	21.7	35.9	50.1	63.3	76.5	87.3	98.1	105.9	113.7
87.5°	7.4	6.9	6.3	6.3	6.3	6.4	6.4	6.2	5.9	5.8	5.7
85°	7.4	7.0	6.5	6.5	6.6	6.7	6.8	6.6	6.4	6.2	6.0
82.5°	7.4	7.2	6.6	6.7	6.8	6.9	7.1	7.0	6.8	6.6	6.3
80°	7.4	7.4	6.8	7.0	7.0	7.2	7.4	7.4	7.3	7.0	6.7
77.5°	7.4	7.5	7.0	7.2	7.2	7.6	7.8	7.8	7.8	7.5	7.0
75°	7.4	7.7	7.2	7.4	7.5	8.0	8.2	8.2	8.2	7.8	7.3
72.5°	7.4	7.8	7.4	7.6	8.0	8.5	8.6	8.7	8.6	8.1	7.6
70°	7.4	8.0	7.7	7.9	8.5	9.0	9.1	9.2	8.9	8.5	8.3
67.5°	7.4	8.1	7.9	8.3	9.0	9.5	9.7	9.7	9.4	9.2	9.0
65°	7.4	8.3	8.1	8.7	9.5	10.1	10.3	10.3	10.3	10.0	10.0
62.5°	7.4	8.5	8.4	9.1	10.0	10.6	10.9	11.2	11.3	11.1	11.7
60°	7.4	8.6	8.6	9.5	10.5	11.2	11.6	12.2	12.3	13.4	13.6
57.5°	7.4	8.8	9.1	9.9	11.2	11.8	12.8	13.4	15.2	16.2	17.3
55°	7.4	9.0	9.5	10.3	11.9	12.4	14.3	14.8	18.8	20.1	22.3
52.5°	7.4	9.1	10.0	10.7	12.7	13.2	16.0	18.6	22.9	26.2	27.9
50°	7.4	9.3	10.6	11.1	13.5	15.0	17.7	22.8	27.8	32.7	36.0
47.5°	7.4	9.5	11.1	11.5	14.4	17.0	19.9	27.0	34.2	39.6	45.1
45°	7.4	9.6	11.7	12.3	15.4	19.1	23.6	31.3	40.6	48.4	54.8
42.5°	7.4	9.8	12.3	13.0	16.4	21.2	27.3	36.6	47.3	57.6	69.3
40°	7.4	10.0	12.9	14.1	17.8	23.5	31.3	42.5	54.7	67.1	85.5
37.5°	7.4	10.1	13.5	15.5	19.6	25.8	35.6	48.6	63.3	78.5	102.6
35°	7.4	10.3	14.2	16.9	21.4	29.0	40.0	54.8	72.1	93.9	122.3
32.5°	7.4	10.5	14.9	18.3	23.3	32.4	44.7	61.2	81.2	109.6	144.7
30°	7.4	10.6	15.6	19.7	25.1	35.9	50.1	68.1	90.4	125.6	166.8
27.5°	7.4	10.8	16.3	21.2	27.6	39.2	55.4	75.6	100.8	141.7	188.4
25°	7.4	10.9	17.0	22.6	30.1	42.6	60.6	82.7	112.7	159.1	209.6
22.5°	7.4	11.1	17.7	24.1	32.5	46.0	65.7	89.6	124.1	174.0	231.9
20°	7.4	11.2	18.5	25.6	34.9	49.6	70.6	96.2	134.7	188.2	250.7
17.5°	7.4	11.4	19.2	27.1	37.3	53.2	75.4	102.3	144.6	201.5	268.3
15°	7.4	11.5	19.9	28.5	39.6	56.6	80.1	108.4	153.7	213.8	285.1
12.5°	7.4	11.6	20.6	30.0	41.8	59.8	84.6	114.3	162.9	225.2	300.8
10°	7.4	11.8	21.3	31.4	43.9	62.8	88.7	119.9	172.1	238.7	317.4
7.5°	7.4	11.9	21.9	32.7	45.9	65.7	92.6	125.1	180.6	251.7	337.3
5°	7.4	12.0	22.6	34.0	47.8	68.3	96.1	129.9	188.3	263.8	355.9
2.5°	7.4	12.1	23.1	35.3	49.7	70.8	99.3	134.2	195.1	274.7	373.1
0°	7.4	12.2	23.7	36.5	51.4	73.1	102.2	138.1	201.0	284.2	388.5
-2.5°	7.4	12.7	24.7	38.1	53.8	76.4	106.6	143.7	207.9	292.3	396.4
-5°	7.4	13.1	25.7	39.7	56.1	79.6	110.5	148.8	213.7	298.8	402.3
-7.5°	7.4	13.6	26.6	41.1	58.2	82.4	114.2	153.3	218.5	303.8	406.1
-10°	7.4	14.0	27.5	42.5	60.2	85.0	117.4	157.2	222.1	307.1	407.9
-12.5°	7.4	14.4	28.3	43.7	62.0	87.4	120.1	160.5	224.6	308.8	410.7
-15°	7.4	14.8	29.0	44.9	63.7	89.4	122.5	163.2	225.9	309.3	412.2
-17.5°	7.4	15.2	29.7	46.0	65.2	91.1	124.4	165.5	226.2	308.0	410.5
-20°	7.4	15.5	30.3	47.0	66.5	92.6	126.1	167.4	225.4	304.9	405.4



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 CATALOG NUMBER: EPH-08-320N-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.4	15.9	30.9	47.9	67.6	93.6	127.8	168.8	223.4	299.8	397.3
-25°	7.4	16.2	31.4	48.6	68.6	95.0	129.1	169.5	220.2	292.9	390.2
-27.5°	7.4	16.5	31.8	49.3	69.3	96.2	129.8	169.6	215.9	288.2	385.0
-30°	7.4	16.7	32.2	49.8	70.0	97.2	130.1	169.2	214.0	284.4	376.9
-32.5°	7.4	16.9	32.5	50.2	71.2	97.8	129.8	168.8	213.9	278.7	365.6
-35°	7.4	17.1	32.7	50.5	72.1	98.1	129.9	168.1	212.7	271.1	351.3
-37.5°	7.4	17.3	32.9	50.7	72.9	98.4	129.9	167.1	210.4	261.5	338.2
-40°	7.4	17.5	32.9	50.8	73.5	99.1	129.4	165.3	207.0	255.6	325.6
-42.5°	7.4	17.6	32.9	50.9	74.0	99.6	128.7	162.9	203.7	250.8	310.9
-45°	7.4	17.7	32.9	51.2	74.4	99.9	127.6	160.5	200.1	244.6	295.4
-47.5°	7.4	17.7	32.7	51.3	74.6	99.9	126.0	158.6	195.7	237.1	286.7
-50°	7.4	17.8	32.5	51.4	74.5	99.6	125.5	156.2	190.0	230.3	276.5
-52.5°	7.4	17.8	32.2	51.3	74.1	99.1	124.8	153.2	185.2	222.4	264.1
-55°	7.4	17.7	31.8	51.0	73.5	98.2	123.8	149.9	180.4	213.2	251.7
-57.5°	7.4	17.7	31.4	50.6	72.7	97.0	122.4	148.2	175.0	205.9	238.2
-60°	7.4	17.6	30.9	50.1	71.7	95.5	120.7	145.8	169.6	198.8	225.3
-62.5°	7.4	17.5	30.5	49.5	70.6	93.8	118.4	143.0	166.2	190.5	215.0
-65°	7.4	17.3	30.0	48.7	69.4	91.8	115.8	139.6	162.2	184.1	204.0
-67.5°	7.4	17.1	29.4	47.7	68.0	89.6	112.9	135.6	157.9	178.0	195.5
-70°	7.4	16.9	28.8	46.7	66.4	87.2	109.6	131.2	152.5	171.5	187.8
-72.5°	7.4	16.7	28.1	45.7	64.7	84.5	105.8	126.5	146.8	164.1	179.7
-75°	7.4	16.5	27.3	44.6	62.7	81.5	101.6	121.0	140.6	156.4	171.0
-77.5°	7.4	16.2	26.5	43.4	60.9	78.3	97.0	115.0	133.3	148.2	162.1
-80°	7.4	15.9	25.6	42.1	59.0	75.4	92.1	108.7	125.6	138.8	151.8
-82.5°	7.4	15.6	24.7	40.7	57.0	72.6	88.4	102.8	117.6	129.2	140.7
-85°	7.4	15.3	23.7	39.2	54.8	69.6	84.6	97.8	111.2	120.9	130.6
-87.5°	7.4	14.9	22.7	37.6	52.5	66.5	80.6	92.6	104.8	113.5	122.2
-90°	7.4	6.8	6.1	6.1	6.1	6.1	6.1	5.8	5.4	5.4	5.4



REPORT NUMBER: P1306008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	118.5	123.2	127.6	132.0	137.4	142.8	148.6	154.3	160.4	166.5	172.3
87.5°	5.4	5.1	5.1	5.1	4.8	4.5	4.3	4.1	3.8	3.4	3.3
85°	5.7	5.4	5.5	5.4	5.1	4.9	4.6	4.4	4.1	3.8	3.8
82.5°	6.2	6.1	5.9	5.4	5.3	5.4	5.1	4.7	4.5	4.3	4.2
80°	6.6	6.8	6.3	5.7	5.6	5.4	5.1	4.8	4.7	4.7	4.5
77.5°	6.9	6.8	6.5	6.1	5.8	5.6	5.4	5.2	5.0	4.8	4.7
75°	7.1	6.9	6.7	6.3	6.0	6.0	5.9	5.7	5.6	5.6	5.6
72.5°	7.5	7.3	6.9	6.4	6.3	6.4	6.4	6.2	6.4	6.6	6.6
70°	8.1	7.8	7.3	6.9	6.7	6.9	7.2	7.7	8.2	8.3	8.9
67.5°	8.7	8.4	7.8	7.5	7.3	7.7	8.1	9.8	11.4	12.2	13.2
65°	9.7	9.2	8.6	8.5	8.1	9.8	11.2	12.9	16.1	17.7	17.6
62.5°	10.9	11.0	10.2	10.4	11.8	13.2	15.7	19.4	23.2	24.6	23.3
60°	13.8	13.4	13.5	14.4	15.9	17.7	21.4	26.0	30.4	32.7	29.2
57.5°	17.7	17.5	18.6	19.2	21.2	21.8	26.8	32.5	36.3	39.1	34.4
55°	23.1	23.3	25.3	26.0	27.4	27.4	31.7	37.1	40.9	42.2	37.4
52.5°	30.7	31.1	34.7	35.2	34.7	35.2	36.8	42.5	45.7	45.8	41.5
50°	39.0	43.4	45.7	47.1	44.5	46.1	44.7	51.0	55.8	55.4	56.9
47.5°	51.4	57.2	60.4	62.8	60.9	65.9	64.8	74.6	78.0	96.6	99.4
45°	66.1	75.3	79.6	84.9	90.7	96.8	112.5	112.5	156.6	173.8	219.5
42.5°	82.5	96.4	108.3	110.4	139.6	156.6	178.1	222.1	265.1	319.0	339.6
40°	104.2	119.7	144.0	171.6	203.9	240.9	280.9	334.3	390.7	418.6	422.1
37.5°	128.3	157.4	191.3	241.3	291.1	339.6	390.2	442.5	483.1	493.4	531.3
35°	154.2	196.8	260.2	317.6	375.5	442.5	487.5	535.7	560.1	602.8	675.7
32.5°	186.8	237.2	316.1	390.7	455.0	528.0	571.2	608.0	665.3	739.3	900.4
30°	220.8	283.0	362.7	448.8	528.0	589.2	638.3	684.6	774.3	953.3	1505.3
27.5°	249.1	322.2	406.0	502.0	592.4	648.2	703.9	784.7	945.0	1313.8	2360.8
25°	274.5	353.8	448.5	559.9	648.4	709.8	782.3	896.5	1148.0	2149.0	3490.7
22.5°	299.4	385.0	497.0	620.9	705.2	770.4	880.2	1086.4	1613.4	3020.8	4633.3
20°	325.0	424.9	549.7	677.4	759.6	824.2	965.8	1270.9	2349.7	3959.2	5641.5
17.5°	351.8	465.2	600.9	717.6	794.6	880.5	1056.0	1422.1	2964.3	4835.6	6718.8
15°	378.0	503.8	644.8	752.3	826.6	941.3	1177.1	1868.4	3614.2	5814.2	7870.7
12.5°	403.1	538.8	678.7	779.5	858.1	997.9	1276.7	2360.0	4395.7	6722.8	8872.0
10°	426.8	570.3	707.3	805.3	892.4	1058.4	1372.5	2841.3	5079.8	7313.4	9490.1
7.5°	451.1	596.4	731.5	829.8	925.4	1115.3	1478.0	3215.1	5590.6	7767.6	9967.6
5°	473.1	616.5	754.7	857.3	959.5	1165.8	1563.3	3500.9	5973.8	8142.9	10392.9
2.5°	492.4	632.4	774.5	883.2	992.7	1208.1	1587.9	3580.4	6153.8	8344.8	10811.3
0°	508.9	644.3	790.5	906.2	1022.6	1242.5	1594.4	3566.5	6198.4	8406.0	11218.6
-2.5°	518.3	659.7	819.1	939.2	1049.3	1270.2	1628.2	3571.8	6236.1	8834.5	11742.4
-5°	524.8	671.2	842.5	968.5	1073.0	1289.8	1647.0	3490.6	6185.1	9060.0	11895.5
-7.5°	528.5	678.5	859.8	992.9	1094.5	1303.9	1657.6	3358.6	6188.0	9070.2	11703.0
-10°	530.4	685.4	867.9	1006.5	1113.0	1310.7	1652.4	3131.8	5942.3	8824.7	11385.7
-12.5°	536.8	691.8	870.8	1016.7	1127.8	1312.3	1660.0	2909.9	5481.5	8377.8	10932.2
-15°	539.3	693.5	869.2	1025.0	1151.6	1328.3	1660.3	2565.2	4883.3	7810.6	10361.9
-17.5°	537.6	690.3	864.2	1037.1	1173.5	1329.6	1622.6	2113.1	4200.1	7003.8	9611.0
-20°	531.8	683.2	853.4	1043.0	1186.1	1340.7	1611.5	2039.6	3530.5	5995.0	8699.2



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 CATALOG NUMBER: EPH-08-320N-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	523.3	672.1	837.9	1029.9	1200.4	1364.8	1596.4	1942.0	2743.0	4842.6	7570.5
-25°	513.2	659.9	821.4	1014.7	1207.1	1380.2	1549.6	1811.6	2280.7	3856.6	6173.4
-27.5°	502.6	642.5	803.7	989.5	1203.1	1372.8	1522.0	1739.4	2070.9	2761.1	4717.9
-30°	489.1	621.6	777.7	956.9	1167.5	1350.2	1505.2	1645.8	1872.3	2287.1	3461.6
-32.5°	472.7	597.0	748.7	919.8	1113.7	1323.0	1466.4	1588.6	1761.1	2015.2	2497.2
-35°	454.1	575.4	716.5	872.9	1050.0	1254.8	1408.0	1537.3	1653.8	1849.5	2157.6
-37.5°	435.2	548.7	675.0	823.4	992.0	1159.2	1340.0	1468.8	1586.2	1709.0	1928.4
-40°	413.0	515.5	633.8	771.0	914.0	1065.7	1233.4	1394.8	1510.7	1638.7	1770.3
-42.5°	388.8	484.0	589.7	708.7	837.0	973.4	1122.2	1283.9	1439.3	1561.6	1682.6
-45°	369.3	449.9	542.7	648.7	759.2	880.5	1016.2	1157.8	1322.8	1481.3	1593.2
-47.5°	345.7	415.9	501.5	585.6	685.6	793.9	909.8	1043.9	1182.3	1338.3	1491.3
-50°	323.1	387.5	453.3	529.1	614.0	709.1	812.5	930.6	1058.5	1186.4	1325.2
-52.5°	307.6	356.9	413.0	472.8	546.9	628.5	720.1	820.3	932.5	1044.2	1164.5
-55°	290.7	333.3	373.6	424.3	482.6	553.4	632.8	720.5	806.0	907.9	1010.2
-57.5°	274.1	309.5	341.8	380.7	429.4	481.4	553.6	626.6	700.9	779.8	866.2
-60°	257.4	286.3	314.6	346.0	381.5	427.5	477.8	538.7	599.4	662.6	739.0
-62.5°	240.6	264.2	288.5	315.5	345.7	376.8	417.8	462.3	504.8	562.3	623.2
-65°	227.1	243.3	263.4	287.3	311.6	340.0	368.7	396.5	433.8	477.3	521.5
-67.5°	212.6	227.9	242.6	259.4	281.3	304.8	328.4	353.4	378.7	408.6	440.8
-70°	202.0	212.9	226.0	239.8	254.2	271.2	292.3	313.0	334.3	359.3	384.9
-72.5°	192.1	202.0	211.8	221.5	234.5	248.6	262.5	276.4	294.1	315.4	335.9
-75°	181.9	191.0	200.0	208.8	218.5	229.1	240.0	252.5	266.3	281.1	295.3
-77.5°	171.4	179.5	187.7	195.8	204.7	214.1	223.6	233.2	244.0	255.5	266.5
-80°	160.2	167.8	175.1	182.3	190.4	198.7	207.2	215.8	225.4	235.2	244.4
-82.5°	147.9	154.6	161.4	168.2	175.6	183.0	190.6	198.1	206.6	215.2	223.0
-85°	136.1	141.2	147.3	153.3	160.1	166.8	173.6	180.3	188.1	195.8	202.6
-87.5°	127.3	132.3	137.2	142.0	147.8	153.6	159.5	165.3	172.1	178.8	184.8
-90°	5.1	4.7	4.7	4.7	4.4	4.1	4.1	4.1	3.8	3.4	3.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	178.0	181.7	185.4	188.5	191.5	195.6	199.6	205.1	210.5	215.9	221.3
87.5°	3.3	3.0	2.7	2.7	2.6	2.6	2.7	2.3	2.0	2.0	2.0
85°	3.8	3.8	3.7	3.5	3.3	3.3	3.3	3.3	3.3	3.0	2.7
82.5°	4.1	4.1	4.1	3.8	3.4	3.4	3.4	3.4	3.4	3.1	2.7
80°	4.3	4.2	4.1	4.0	3.9	3.7	3.4	3.1	2.8	2.7	2.7
77.5°	4.8	4.6	4.4	4.3	4.1	3.8	3.5	3.1	2.7	2.7	2.7
75°	5.4	5.2	5.1	4.8	4.5	4.3	4.3	4.1	3.9	3.9	4.0
72.5°	6.5	6.5	6.5	6.6	6.6	6.8	7.1	7.4	7.7	8.2	8.8
70°	9.8	10.4	10.7	10.9	10.9	10.7	10.7	10.9	11.2	11.6	11.8
67.5°	14.3	15.3	15.9	16.1	15.1	14.5	14.5	14.8	15.4	16.3	17.7
65°	18.6	18.3	17.8	17.4	17.6	17.7	17.6	17.8	18.7	20.1	21.8
62.5°	21.9	18.9	17.1	16.3	16.9	17.9	17.2	16.7	17.4	18.3	19.1
60°	25.0	19.5	15.6	14.4	14.2	14.6	13.4	12.4	12.7	13.0	13.5
57.5°	27.9	20.9	14.5	12.3	10.4	9.3	9.0	8.7	8.4	8.2	8.3
55°	30.6	22.7	14.2	12.6	11.2	10.9	10.0	9.5	9.1	9.0	9.2
52.5°	33.9	29.2	23.3	21.7	24.4	24.6	21.8	25.9	29.0	30.4	31.0
50°	55.5	49.7	59.7	58.8	70.4	78.7	75.8	84.9	98.6	107.1	110.7
47.5°	122.0	122.2	141.9	159.3	173.8	192.6	207.2	221.2	240.6	252.7	258.2
45°	231.4	251.1	271.6	301.6	330.3	365.2	407.3	440.4	573.2	705.4	825.7
42.5°	354.2	375.8	405.9	471.1	548.7	728.0	1048.9	1227.9	1451.5	1694.8	1788.2
40°	456.4	487.7	570.4	754.1	1201.4	1627.3	2095.1	2490.6	2840.8	3042.3	3210.6
37.5°	582.6	657.5	1034.0	1553.9	2110.0	2643.7	3125.5	3543.6	3906.4	4200.7	4492.0
35°	766.6	1263.9	1820.1	2496.1	3087.2	3581.6	4080.8	4559.8	4971.3	5410.9	6064.1
32.5°	1453.3	2103.2	2818.7	3424.6	4002.3	4626.2	5150.7	5917.2	6517.5	7318.9	8543.7
30°	2332.7	3148.3	3797.1	4403.1	5143.9	5983.5	6859.3	8031.6	9256.7	10534.6	11849.8
27.5°	3461.7	4285.6	4969.5	5777.8	6756.0	7873.3	9547.8	11200.2	12957.2	14555.2	15769.8
25°	4822.6	5695.1	6864.2	8037.0	9436.8	11346.1	13227.4	15252.2	17013.6	18581.9	20337.4
22.5°	6098.0	7528.3	9072.1	10842.7	13122.3	15275.7	17601.7	19650.6	21861.2	24096.5	25825.1
20°	7174.8	9038.1	11252.7	13805.1	16331.9	18771.2	21478.1	24744.1	28035.0	30975.1	33108.6
17.5°	8627.3	10987.1	13743.7	16777.7	19497.9	22520.8	26288.1	30531.7	35143.0	39223.2	42458.4
15°	10214.3	12969.9	16086.8	19265.8	22707.4	26758.0	31602.2	37021.7	42662.3	48383.6	53713.7
12.5°	11293.3	14521.6	17925.3	21705.3	25997.8	31428.8	37310.9	43318.7	49764.8	56883.4	63066.4
10°	12215.7	15797.1	19903.6	24300.3	29232.8	35070.9	41150.3	48447.6	56493.7	63503.9	70126.4
7.5°	13128.0	17336.4	21626.0	26203.9	31623.1	37964.1	45159.1	53007.1	61195.6	68815.1	74230.8
5°	14207.5	18573.6	22862.8	27698.8	33373.8	39969.6	47558.7	56570.8	65198.2	72202.1	77086.9
2.5°	15100.1	19315.7	23707.8	28494.1	34326.6	41213.1	49449.9	59465.0	68317.6	74866.4	79286.5
0°	15554.6	19791.1	24239.4	29103.2	35082.4	42109.1	51095.7	61616.6	69983.3	76033.2	80766.8
-2.5°	15609.9	19639.9	24006.2	28803.5	34647.2	41813.3	51026.0	61671.1	70416.9	76704.8	81375.1
-5°	15448.6	19440.9	23798.8	28598.9	34363.6	41828.0	51078.3	61314.4	69765.2	76278.5	80676.7
-7.5°	15059.6	19075.3	23441.4	28170.8	33844.8	41084.2	49711.7	58990.0	67682.6	74720.0	78777.4
-10°	14489.6	18435.3	22734.1	27261.4	32612.4	39305.6	47021.4	55515.7	64299.6	71028.3	75707.4
-12.5°	13768.7	17503.0	21612.3	25892.6	30944.6	37180.5	44058.2	51171.0	58534.3	66205.5	71079.0
-15°	12941.0	16353.4	20199.9	24503.2	29497.9	34694.8	40158.0	45952.9	52684.2	58959.0	64631.8
-17.5°	12155.8	15094.6	18683.6	22876.3	27129.6	31645.2	36327.3	41058.5	46456.3	51381.8	55788.2
-20°	11168.9	13671.2	16978.1	20703.5	24655.7	28568.3	32590.0	36423.1	40341.7	44350.9	47850.4



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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°	10005.7	12439.2	15198.2	18441.9	22236.2	25718.5	28939.5	31935.1	35076.0	37850.0	40730.1
-25°	8738.5	11078.3	13613.7	16570.7	19483.9	22640.9	25314.2	27861.6	30297.9	32476.2	34715.8
-27.5°	7182.4	9652.5	12151.7	14518.3	16922.3	19189.1	21681.6	24031.9	26063.7	27860.7	29635.7
-30°	5429.3	8051.1	10415.2	12445.4	14351.2	16241.8	18150.0	20122.2	22045.6	23682.0	25135.9
-32.5°	4005.9	6193.0	8378.2	10367.7	12035.7	13598.2	15082.2	16629.6	17974.9	19356.2	20700.6
-35°	2650.4	4196.2	6010.3	8032.8	9770.0	11084.5	12430.1	13663.7	14677.9	15748.8	16763.7
-37.5°	2230.5	2641.9	3855.5	5497.5	7106.4	8618.0	9959.9	11032.4	11965.8	12821.2	13697.7
-40°	1967.5	2202.2	2547.5	3144.1	4497.2	5826.9	7209.4	8349.4	9343.8	10163.8	10970.8
-42.5°	1795.0	1956.0	2128.0	2362.9	2594.5	3245.8	4380.6	5364.6	6297.2	7221.1	8052.6
-45°	1705.6	1796.0	1894.4	2022.1	2121.1	2297.6	2494.7	2679.9	3422.2	4224.3	4895.7
-47.5°	1598.3	1694.7	1768.2	1828.4	1876.6	1954.1	2036.0	2143.1	2315.0	2517.6	2672.2
-50°	1461.2	1578.2	1651.6	1711.9	1746.5	1776.4	1806.0	1873.1	1966.2	2076.7	2164.3
-52.5°	1284.0	1399.7	1503.6	1582.0	1620.2	1657.5	1694.6	1740.8	1793.8	1857.6	1903.3
-55°	1116.9	1213.6	1303.5	1376.6	1442.6	1502.6	1560.4	1609.3	1666.5	1727.1	1769.8
-57.5°	958.3	1036.4	1110.2	1173.5	1230.6	1281.1	1340.2	1404.4	1477.5	1547.1	1596.0
-60°	810.1	872.2	933.6	985.0	1031.5	1072.9	1127.5	1181.4	1245.4	1302.4	1343.9
-62.5°	677.6	731.8	777.1	816.0	851.0	885.7	931.6	976.7	1029.3	1074.9	1109.3
-65°	563.0	608.2	640.1	668.9	694.3	723.8	759.4	795.6	836.9	872.3	900.6
-67.5°	474.6	505.2	525.3	543.1	564.2	587.7	614.5	643.4	675.6	702.3	724.0
-70°	407.8	426.9	439.1	452.4	467.7	484.0	502.2	523.9	548.4	569.3	587.2
-72.5°	354.9	369.6	379.6	389.9	399.1	410.2	422.5	438.7	456.8	473.1	488.3
-75°	309.0	319.5	328.9	337.9	345.9	355.3	365.1	378.8	393.5	407.0	419.7
-77.5°	278.3	286.4	292.6	298.6	304.4	312.3	320.3	331.3	342.8	354.0	364.7
-80°	253.6	259.8	265.1	269.5	273.5	280.1	287.1	296.1	305.3	314.9	324.4
-82.5°	230.7	236.2	241.2	245.4	249.3	255.2	261.4	269.5	277.6	285.6	293.5
-85°	209.3	214.3	219.1	223.1	226.9	231.8	236.6	243.6	250.6	257.9	265.1
-87.5°	190.7	195.4	200.1	203.2	206.2	210.6	214.9	220.8	226.8	233.1	239.3
-90°	2.7	2.7	2.7	2.4	2.0	2.0	2.0	1.7	1.4	1.4	1.4



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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°	224.0	226.7	228.1	229.4	228.1	226.7	224.0	221.3	215.9	210.5	205.1
87.5°	1.7	1.4	1.4	1.4	1.4	1.4	1.7	2.0	2.0	2.0	2.3
85°	2.3	2.0	2.3	2.7	2.3	2.0	2.3	2.7	3.0	3.3	3.3
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.4	3.4
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	3.1
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.1
75°	3.7	3.4	3.4	3.4	3.4	3.4	3.7	4.0	3.9	3.9	4.1
72.5°	9.1	9.3	9.8	10.2	9.8	9.3	9.1	8.8	8.2	7.7	7.4
70°	12.0	12.1	12.2	12.2	12.2	12.1	12.0	11.8	11.6	11.2	10.9
67.5°	18.4	18.7	19.5	20.3	19.5	18.7	18.4	17.7	16.3	15.4	14.8
65°	23.1	24.0	24.4	24.4	24.4	24.0	23.1	21.8	20.1	18.7	17.8
62.5°	19.9	20.9	21.0	21.0	21.0	20.9	19.9	19.1	18.3	17.4	16.7
60°	14.0	14.3	14.6	14.9	14.6	14.3	14.0	13.5	13.0	12.7	12.4
57.5°	8.4	8.8	8.9	8.8	8.9	8.8	8.4	8.3	8.2	8.4	8.7
55°	9.2	9.4	9.2	8.8	9.2	9.4	9.2	9.2	9.0	9.1	9.5
52.5°	30.1	28.6	27.1	25.7	27.1	28.6	30.1	31.0	30.4	29.0	25.9
50°	109.6	107.8	105.2	102.2	105.2	107.8	109.6	110.7	107.1	98.6	84.9
47.5°	263.2	263.7	261.1	256.5	261.1	263.7	263.2	258.2	252.7	240.6	221.2
45°	930.5	981.1	1008.3	1027.3	1008.3	981.1	930.5	825.7	705.4	573.2	440.4
42.5°	1869.8	1940.8	1994.8	2005.9	1994.8	1940.8	1869.8	1788.2	1694.8	1451.5	1227.9
40°	3410.3	3422.2	3224.3	2925.6	3224.3	3422.2	3410.3	3210.6	3042.3	2840.8	2490.6
37.5°	4839.2	5338.5	5918.6	6214.6	5918.6	5338.5	4839.2	4492.0	4200.7	3906.4	3543.6
35°	6945.4	7696.5	7940.1	7946.5	7940.1	7696.5	6945.4	6064.1	5410.9	4971.3	4559.8
32.5°	9648.2	10258.9	10585.0	10496.5	10585.0	10258.9	9648.2	8543.7	7318.9	6517.5	5917.2
30°	12616.2	13147.6	13151.8	12974.1	13151.8	13147.6	12616.2	11849.8	10534.6	9256.7	8031.6
27.5°	17027.0	18149.7	18939.9	19152.9	18939.9	18149.7	17027.0	15769.8	14555.2	12957.2	11200.2
25°	21919.3	23153.1	23911.6	24187.9	23911.6	23153.1	21919.3	20337.4	18581.9	17013.6	15252.2
22.5°	27434.0	28633.6	29181.1	29467.3	29181.1	28633.6	27434.0	25825.1	24096.5	21861.2	19650.6
20°	35142.4	36848.0	37490.9	37765.7	37490.9	36848.0	35142.4	33108.6	30975.1	28035.0	24744.1
17.5°	45819.9	49188.4	51294.5	52376.2	51294.5	49188.4	45819.9	42458.4	39223.2	35143.0	30531.7
15°	57658.5	61078.1	63327.0	64675.5	63327.0	61078.1	57658.5	53713.7	48383.6	42662.3	37021.7
12.5°	67814.5	70863.0	73035.2	74326.4	73035.2	70863.0	67814.5	63066.4	56883.4	49764.8	43318.7
10°	74330.0	76944.3	79197.8	80298.4	79197.8	76944.3	74330.0	70126.4	63503.9	56493.7	48447.6
7.5°	78012.3	81052.2	82273.7	83026.5	82273.7	81052.2	78012.3	74230.8	68815.1	61195.6	53007.1
5°	80866.2	83268.4	84396.1	84946.4	84396.1	83268.4	80866.2	77086.9	72202.1	65198.2	56570.8
2.5°	82771.3	84856.8	85654.3	86098.2	85654.3	84856.8	82771.3	79286.5	74866.4	68317.6	59465.0
0°	83685.6	85223.2	86117.2	85681.4	86117.2	85223.2	83685.6	80766.8	76033.2	69983.3	61616.6
-2.5°	83692.0	85153.5	85818.1	85494.6	85818.1	85153.5	83692.0	81375.1	76704.8	70416.9	61671.1
-5°	82976.0	84066.7	84876.2	84616.8	84876.2	84066.7	82976.0	80676.7	76278.5	69765.2	61314.4
-7.5°	81045.0	82494.7	83087.6	83116.5	83087.6	82494.7	81045.0	78777.4	74720.0	67682.6	58990.0
-10°	78388.7	79996.0	80627.2	80691.6	80627.2	79996.0	78388.7	75707.4	71028.3	64299.6	55515.7
-12.5°	74440.8	76326.2	77234.6	77396.5	77234.6	76326.2	74440.8	71079.0	66205.5	58534.3	51171.0
-15°	68312.1	70853.4	72287.9	72791.2	72287.9	70853.4	68312.1	64631.8	58959.0	52684.2	45952.9
-17.5°	59980.5	63016.8	64805.5	65436.2	64805.5	63016.8	59980.5	55788.2	51381.8	46456.3	41058.5
-20°	51289.8	53540.8	54919.7	55487.9	54919.7	53540.8	51289.8	47850.4	44350.9	40341.7	36423.1



REPORT NUMBER: P1306008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	43384.8	45199.7	46224.2	46679.2	46224.2	45199.7	43384.8	40730.1	37850.0	35076.0	31935.1
-25°	36528.7	38057.3	38582.7	38879.0	38582.7	38057.3	36528.7	34715.8	32476.2	30297.9	27861.6
-27.5°	30926.9	32139.4	32422.4	32683.9	32422.4	32139.4	30926.9	29635.7	27860.7	26063.7	24031.9
-30°	26206.6	27261.8	27406.0	27695.6	27406.0	27261.8	26206.6	25135.9	23682.0	22045.6	20122.2
-32.5°	21792.2	22731.8	23091.8	23147.1	23091.8	22731.8	21792.2	20700.6	19356.2	17974.9	16629.6
-35°	17565.1	18184.4	18429.4	18444.3	18429.4	18184.4	17565.1	16763.7	15748.8	14677.9	13663.7
-37.5°	14241.5	14636.3	14920.1	14841.9	14920.1	14636.3	14241.5	13697.7	12821.2	11965.8	11032.4
-40°	11423.1	11820.2	12079.6	12016.5	12079.6	11820.2	11423.1	10970.8	10163.8	9343.8	8349.4
-42.5°	8511.3	8948.0	9193.2	9125.4	9193.2	8948.0	8511.3	8052.6	7221.1	6297.2	5364.6
-45°	5278.5	5663.5	5844.2	5734.2	5844.2	5663.5	5278.5	4895.7	4224.3	3422.2	2679.9
-47.5°	2753.8	2841.4	2869.4	2830.2	2869.4	2841.4	2753.8	2672.2	2517.6	2315.0	2143.1
-50°	2232.7	2287.7	2311.4	2304.4	2311.4	2287.7	2232.7	2164.3	2076.7	1966.2	1873.1
-52.5°	1939.2	1964.6	1973.0	1968.0	1973.0	1964.6	1939.2	1903.3	1857.6	1793.8	1740.8
-55°	1805.9	1831.1	1839.8	1836.7	1839.8	1831.1	1805.9	1769.8	1727.1	1666.5	1609.3
-57.5°	1636.6	1667.6	1686.7	1696.6	1686.7	1667.6	1636.6	1596.0	1547.1	1477.5	1404.4
-60°	1377.4	1402.1	1409.2	1405.6	1409.2	1402.1	1377.4	1343.9	1302.4	1245.4	1181.4
-62.5°	1136.5	1156.9	1172.0	1182.3	1172.0	1156.9	1136.5	1109.3	1074.9	1029.3	976.7
-65°	921.4	936.2	939.2	936.6	939.2	936.2	921.4	900.6	872.3	836.9	795.6
-67.5°	739.2	750.1	751.5	749.2	751.5	750.1	739.2	724.0	702.3	675.6	643.4
-70°	599.3	608.5	609.8	608.4	609.8	608.5	599.3	587.2	569.3	548.4	523.9
-72.5°	497.1	503.8	508.9	513.0	508.9	503.8	497.1	488.3	473.1	456.8	438.7
-75°	426.1	430.9	432.1	432.4	432.1	430.9	426.1	419.7	407.0	393.5	378.8
-77.5°	370.4	375.3	378.7	381.7	378.7	375.3	370.4	364.7	354.0	342.8	331.3
-80°	328.7	332.4	335.2	337.7	335.2	332.4	328.7	324.4	314.9	305.3	296.1
-82.5°	297.6	301.4	303.7	305.9	303.7	301.4	297.6	293.5	285.6	277.6	269.5
-85°	268.2	271.2	273.3	275.4	273.3	271.2	268.2	265.1	257.9	250.6	243.6
-87.5°	242.1	244.9	246.3	247.7	246.3	244.9	242.1	239.3	233.1	226.8	220.8
-90°	1.1	0.7	0.7	0.7	0.7	0.7	1.1	1.4	1.4	1.4	1.7



REPORT NUMBER: P1306008 (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°
90°	199.6	195.6	191.5	188.5	185.4	181.7	178.0	172.3	166.5	160.4	154.3
87.5°	2.7	2.6	2.6	2.7	2.7	3.0	3.3	3.3	3.4	3.8	4.1
85°	3.3	3.3	3.3	3.5	3.7	3.8	3.8	3.8	3.8	4.1	4.4
82.5°	3.4	3.4	3.4	3.8	4.1	4.1	4.1	4.2	4.3	4.5	4.7
80°	3.4	3.7	3.9	4.0	4.1	4.2	4.3	4.5	4.7	4.7	4.8
77.5°	3.5	3.8	4.1	4.3	4.4	4.6	4.8	4.7	4.8	5.0	5.2
75°	4.3	4.3	4.5	4.8	5.1	5.2	5.4	5.6	5.6	5.6	5.7
72.5°	7.1	6.8	6.6	6.6	6.5	6.5	6.5	6.6	6.6	6.4	6.2
70°	10.7	10.7	10.9	10.9	10.7	10.4	9.8	8.9	8.3	8.2	7.7
67.5°	14.5	14.5	15.1	16.1	15.9	15.3	14.3	13.2	12.2	11.4	9.8
65°	17.6	17.7	17.6	17.4	17.8	18.3	18.6	17.6	17.7	16.1	12.9
62.5°	17.2	17.9	16.9	16.3	17.1	18.9	21.9	23.3	24.6	23.2	19.4
60°	13.4	14.6	14.2	14.4	15.6	19.5	25.0	29.2	32.7	30.4	26.0
57.5°	9.0	9.3	10.4	12.3	14.5	20.9	27.9	34.4	39.1	36.3	32.5
55°	10.0	10.9	11.2	12.6	14.2	22.7	30.6	37.4	42.2	40.9	37.1
52.5°	21.8	24.6	24.4	21.7	23.3	29.2	33.9	41.5	45.8	45.7	42.5
50°	75.8	78.7	70.4	58.8	59.7	49.7	55.5	56.9	55.4	55.8	51.0
47.5°	207.2	192.6	173.8	159.3	141.9	122.2	122.0	99.4	96.6	78.0	74.6
45°	407.3	365.2	330.3	301.6	271.6	251.1	231.4	219.5	173.8	156.6	112.5
42.5°	1048.9	728.0	548.7	471.1	405.9	375.8	354.2	339.6	319.0	265.1	222.1
40°	2095.1	1627.3	1201.4	754.1	570.4	487.7	456.4	422.1	418.6	390.7	334.3
37.5°	3125.5	2643.7	2110.0	1553.9	1034.0	657.5	582.6	531.3	493.4	483.1	442.5
35°	4080.8	3581.6	3087.2	2496.1	1820.1	1263.9	766.6	675.7	602.8	560.1	535.7
32.5°	5150.7	4626.2	4002.3	3424.6	2818.7	2103.2	1453.3	900.4	739.3	665.3	608.0
30°	6859.3	5983.5	5143.9	4403.1	3797.1	3148.3	2332.7	1505.3	953.3	774.3	684.6
27.5°	9547.8	7873.3	6756.0	5777.8	4969.5	4285.6	3461.7	2360.8	1313.8	945.0	784.7
25°	13227.4	11346.1	9436.8	8037.0	6864.2	5695.1	4822.6	3490.7	2149.0	1148.0	896.5
22.5°	17601.7	15275.7	13122.3	10842.7	9072.1	7528.3	6098.0	4633.3	3020.8	1613.4	1086.4
20°	21478.1	18771.2	16331.9	13805.1	11252.7	9038.1	7174.8	5641.5	3959.2	2349.7	1270.9
17.5°	26288.1	22520.8	19497.9	16777.7	13743.7	10987.1	8627.3	6718.8	4835.6	2964.3	1422.1
15°	31602.2	26758.0	22707.4	19265.8	16086.8	12969.9	10214.3	7870.7	5814.2	3614.2	1868.4
12.5°	37310.9	31428.8	25997.8	21705.3	17925.3	14521.6	11293.3	8872.0	6722.8	4395.7	2360.0
10°	41150.3	35070.9	29232.8	24300.3	19903.6	15797.1	12215.7	9490.1	7313.4	5079.8	2841.3
7.5°	45159.1	37964.1	31623.1	26203.9	21626.0	17336.4	13128.0	9967.6	7767.6	5590.6	3215.1
5°	47558.7	39969.6	33373.8	27698.8	22862.8	18573.6	14207.5	10392.9	8142.9	5973.8	3500.9
2.5°	49449.9	41213.1	34326.6	28494.1	23707.8	19315.7	15100.1	10811.3	8344.8	6153.8	3580.4
0°	51095.7	42109.1	35082.4	29103.2	24239.4	19791.1	15554.6	11218.6	8406.0	6198.4	3566.5
-2.5°	51026.0	41813.3	34647.2	28803.5	24006.2	19639.9	15609.9	11742.4	8834.5	6236.1	3571.8
-5°	51078.3	41828.0	34363.6	28598.9	23798.8	19440.9	15448.6	11895.5	9060.0	6185.1	3490.6
-7.5°	49711.7	41084.2	33844.8	28170.8	23441.4	19075.3	15059.6	11703.0	9070.2	6188.0	3358.6
-10°	47021.4	39305.6	32612.4	27261.4	22734.1	18435.3	14489.6	11385.7	8824.7	5942.3	3131.8
-12.5°	44058.2	37180.5	30944.6	25892.6	21612.3	17503.0	13768.7	10932.2	8377.8	5481.5	2909.9
-15°	40158.0	34694.8	29497.9	24503.2	20199.9	16353.4	12941.0	10361.9	7810.6	4883.3	2565.2
-17.5°	36327.3	31645.2	27129.6	22876.3	18683.6	15094.6	12155.8	9611.0	7003.8	4200.1	2113.1
-20°	32590.0	28568.3	24655.7	20703.5	16978.1	13671.2	11168.9	8699.2	5995.0	3530.5	2039.6



REPORT NUMBER: P1306008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	28939.5	25718.5	22236.2	18441.9	15198.2	12439.2	10005.7	7570.5	4842.6	2743.0	1942.0
-25°	25314.2	22640.9	19483.9	16570.7	13613.7	11078.3	8738.5	6173.4	3856.6	2280.7	1811.6
-27.5°	21681.6	19189.1	16922.3	14518.3	12151.7	9652.5	7182.4	4717.9	2761.1	2070.9	1739.4
-30°	18150.0	16241.8	14351.2	12445.4	10415.2	8051.1	5429.3	3461.6	2287.1	1872.3	1645.8
-32.5°	15082.2	13598.2	12035.7	10367.7	8378.2	6193.0	4005.9	2497.2	2015.2	1761.1	1588.6
-35°	12430.1	11084.5	9770.0	8032.8	6010.3	4196.2	2650.4	2157.6	1849.5	1653.8	1537.3
-37.5°	9959.9	8618.0	7106.4	5497.5	3855.5	2641.9	2230.5	1928.4	1709.0	1586.2	1468.8
-40°	7209.4	5826.9	4497.2	3144.1	2547.5	2202.2	1967.5	1770.3	1638.7	1510.7	1394.8
-42.5°	4380.6	3245.8	2594.5	2362.9	2128.0	1956.0	1795.0	1682.6	1561.6	1439.3	1283.9
-45°	2494.7	2297.6	2121.1	2022.1	1894.4	1796.0	1705.6	1593.2	1481.3	1322.8	1157.8
-47.5°	2036.0	1954.1	1876.6	1828.4	1768.2	1694.7	1598.3	1491.3	1338.3	1182.3	1043.9
-50°	1806.0	1776.4	1746.5	1711.9	1651.6	1578.2	1461.2	1325.2	1186.4	1058.5	930.6
-52.5°	1694.6	1657.5	1620.2	1582.0	1503.6	1399.7	1284.0	1164.5	1044.2	932.5	820.3
-55°	1560.4	1502.6	1442.6	1376.6	1303.5	1213.6	1116.9	1010.2	907.9	806.0	720.5
-57.5°	1340.2	1281.1	1230.6	1173.5	1110.2	1036.4	958.3	866.2	779.8	700.9	626.6
-60°	1127.5	1072.9	1031.5	985.0	933.6	872.2	810.1	739.0	662.6	599.4	538.7
-62.5°	931.6	885.7	851.0	816.0	777.1	731.8	677.6	623.2	562.3	504.8	462.3
-65°	759.4	723.8	694.3	668.9	640.1	608.2	563.0	521.5	477.3	433.8	396.5
-67.5°	614.5	587.7	564.2	543.1	525.3	505.2	474.6	440.8	408.6	378.7	353.4
-70°	502.2	484.0	467.7	452.4	439.1	426.9	407.8	384.9	359.3	334.3	313.0
-72.5°	422.5	410.2	399.1	389.9	379.6	369.6	354.9	335.9	315.4	294.1	276.4
-75°	365.1	355.3	345.9	337.9	328.9	319.5	309.0	295.3	281.1	266.3	252.5
-77.5°	320.3	312.3	304.4	298.6	292.6	286.4	278.3	266.5	255.5	244.0	233.2
-80°	287.1	280.1	273.5	269.5	265.1	259.8	253.6	244.4	235.2	225.4	215.8
-82.5°	261.4	255.2	249.3	245.4	241.2	236.2	230.7	223.0	215.2	206.6	198.1
-85°	236.6	231.8	226.9	223.1	219.1	214.3	209.3	202.6	195.8	188.1	180.3
-87.5°	214.9	210.6	206.2	203.2	200.1	195.4	190.7	184.8	178.8	172.1	165.3
-90°	2.0	2.0	2.0	2.4	2.7	2.7	2.7	3.1	3.4	3.8	4.1



REPORT NUMBER: P1306008 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	148.6	142.8	137.4	132.0	127.6	123.2	118.5	113.7	105.9	98.1	87.3
87.5°	4.3	4.5	4.8	5.1	5.1	5.1	5.4	5.7	5.8	5.9	6.2
85°	4.6	4.9	5.1	5.4	5.5	5.4	5.7	6.0	6.2	6.4	6.6
82.5°	5.1	5.4	5.3	5.4	5.9	6.1	6.2	6.3	6.6	6.8	7.0
80°	5.1	5.4	5.6	5.7	6.3	6.8	6.6	6.7	7.0	7.3	7.4
77.5°	5.4	5.6	5.8	6.1	6.5	6.8	6.9	7.0	7.5	7.8	7.8
75°	5.9	6.0	6.0	6.3	6.7	6.9	7.1	7.3	7.8	8.2	8.2
72.5°	6.4	6.4	6.3	6.4	6.9	7.3	7.5	7.6	8.1	8.6	8.7
70°	7.2	6.9	6.7	6.9	7.3	7.8	8.1	8.3	8.5	8.9	9.2
67.5°	8.1	7.7	7.3	7.5	7.8	8.4	8.7	9.0	9.2	9.4	9.7
65°	11.2	9.8	8.1	8.5	8.6	9.2	9.7	10.0	10.0	10.3	10.3
62.5°	15.7	13.2	11.8	10.4	10.2	11.0	10.9	11.7	11.1	11.3	11.2
60°	21.4	17.7	15.9	14.4	13.5	13.4	13.8	13.6	13.4	12.3	12.2
57.5°	26.8	21.8	21.2	19.2	18.6	17.5	17.7	17.3	16.2	15.2	13.4
55°	31.7	27.4	27.4	26.0	25.3	23.3	23.1	22.3	20.1	18.8	14.8
52.5°	36.8	35.2	34.7	35.2	34.7	31.1	30.7	27.9	26.2	22.9	18.6
50°	44.7	46.1	44.5	47.1	45.7	43.4	39.0	36.0	32.7	27.8	22.8
47.5°	64.8	65.9	60.9	62.8	60.4	57.2	51.4	45.1	39.6	34.2	27.0
45°	112.5	96.8	90.7	84.9	79.6	75.3	66.1	54.8	48.4	40.6	31.3
42.5°	178.1	156.6	139.6	110.4	108.3	96.4	82.5	69.3	57.6	47.3	36.6
40°	280.9	240.9	203.9	171.6	144.0	119.7	104.2	85.5	67.1	54.7	42.5
37.5°	390.2	339.6	291.1	241.3	191.3	157.4	128.3	102.6	78.5	63.3	48.6
35°	487.5	442.5	375.5	317.6	260.2	196.8	154.2	122.3	93.9	72.1	54.8
32.5°	571.2	528.0	455.0	390.7	316.1	237.2	186.8	144.7	109.6	81.2	61.2
30°	638.3	589.2	528.0	448.8	362.7	283.0	220.8	166.8	125.6	90.4	68.1
27.5°	703.9	648.2	592.4	502.0	406.0	322.2	249.1	188.4	141.7	100.8	75.6
25°	782.3	709.8	648.4	559.9	448.5	353.8	274.5	209.6	159.1	112.7	82.7
22.5°	880.2	770.4	705.2	620.9	497.0	385.0	299.4	231.9	174.0	124.1	89.6
20°	965.8	824.2	759.6	677.4	549.7	424.9	325.0	250.7	188.2	134.7	96.2
17.5°	1056.0	880.5	794.6	717.6	600.9	465.2	351.8	268.3	201.5	144.6	102.3
15°	1177.1	941.3	826.6	752.3	644.8	503.8	378.0	285.1	213.8	153.7	108.4
12.5°	1276.7	997.9	858.1	779.5	678.7	538.8	403.1	300.8	225.2	162.9	114.3
10°	1372.5	1058.4	892.4	805.3	707.3	570.3	426.8	317.4	238.7	172.1	119.9
7.5°	1478.0	1115.3	925.4	829.8	731.5	596.4	451.1	337.3	251.7	180.6	125.1
5°	1563.3	1165.8	959.5	857.3	754.7	616.5	473.1	355.9	263.8	188.3	129.9
2.5°	1587.9	1208.1	992.7	883.2	774.5	632.4	492.4	373.1	274.7	195.1	134.2
0°	1594.4	1242.5	1022.6	906.2	790.5	644.3	508.9	388.5	284.2	201.0	138.1
-2.5°	1628.2	1270.2	1049.3	939.2	819.1	659.7	518.3	396.4	292.3	207.9	143.7
-5°	1647.0	1289.8	1073.0	968.5	842.5	671.2	524.8	402.3	298.8	213.7	148.8
-7.5°	1657.6	1303.9	1094.5	992.9	859.8	678.5	528.5	406.1	303.8	218.5	153.3
-10°	1652.4	1310.7	1113.0	1006.5	867.9	685.4	530.4	407.9	307.1	222.1	157.2
-12.5°	1660.0	1312.3	1127.8	1016.7	870.8	691.8	536.8	410.7	308.8	224.6	160.5
-15°	1660.3	1328.3	1151.6	1025.0	869.2	693.5	539.3	412.2	309.3	225.9	163.2
-17.5°	1622.6	1329.6	1173.5	1037.1	864.2	690.3	537.6	410.5	308.0	226.2	165.5
-20°	1611.5	1340.7	1186.1	1043.0	853.4	683.2	531.8	405.4	304.9	225.4	167.4



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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°	1596.4	1364.8	1200.4	1029.9	837.9	672.1	523.3	397.3	299.8	223.4	168.8
-25°	1549.6	1380.2	1207.1	1014.7	821.4	659.9	513.2	390.2	292.9	220.2	169.5
-27.5°	1522.0	1372.8	1203.1	989.5	803.7	642.5	502.6	385.0	288.2	215.9	169.6
-30°	1505.2	1350.2	1167.5	956.9	777.7	621.6	489.1	376.9	284.4	214.0	169.2
-32.5°	1466.4	1323.0	1113.7	919.8	748.7	597.0	472.7	365.6	278.7	213.9	168.8
-35°	1408.0	1254.8	1050.0	872.9	716.5	575.4	454.1	351.3	271.1	212.7	168.1
-37.5°	1340.0	1159.2	992.0	823.4	675.0	548.7	435.2	338.2	261.5	210.4	167.1
-40°	1233.4	1065.7	914.0	771.0	633.8	515.5	413.0	325.6	255.6	207.0	165.3
-42.5°	1122.2	973.4	837.0	708.7	589.7	484.0	388.8	310.9	250.8	203.7	162.9
-45°	1016.2	880.5	759.2	648.7	542.7	449.9	369.3	295.4	244.6	200.1	160.5
-47.5°	909.8	793.9	685.6	585.6	501.5	415.9	345.7	286.7	237.1	195.7	158.6
-50°	812.5	709.1	614.0	529.1	453.3	387.5	323.1	276.5	230.3	190.0	156.2
-52.5°	720.1	628.5	546.9	472.8	413.0	356.9	307.6	264.1	222.4	185.2	153.2
-55°	632.8	553.4	482.6	424.3	373.6	333.3	290.7	251.7	213.2	180.4	149.9
-57.5°	553.6	481.4	429.4	380.7	341.8	309.5	274.1	238.2	205.9	175.0	148.2
-60°	477.8	427.5	381.5	346.0	314.6	286.3	257.4	225.3	198.8	169.6	145.8
-62.5°	417.8	376.8	345.7	315.5	288.5	264.2	240.6	215.0	190.5	166.2	143.0
-65°	368.7	340.0	311.6	287.3	263.4	243.3	227.1	204.0	184.1	162.2	139.6
-67.5°	328.4	304.8	281.3	259.4	242.6	227.9	212.6	195.5	178.0	157.9	135.6
-70°	292.3	271.2	254.2	239.8	226.0	212.9	202.0	187.8	171.5	152.5	131.2
-72.5°	262.5	248.6	234.5	221.5	211.8	202.0	192.1	179.7	164.1	146.8	126.5
-75°	240.0	229.1	218.5	208.8	200.0	191.0	181.9	171.0	156.4	140.6	121.0
-77.5°	223.6	214.1	204.7	195.8	187.7	179.5	171.4	162.1	148.2	133.3	115.0
-80°	207.2	198.7	190.4	182.3	175.1	167.8	160.2	151.8	138.8	125.6	108.7
-82.5°	190.6	183.0	175.6	168.2	161.4	154.6	147.9	140.7	129.2	117.6	102.8
-85°	173.6	166.8	160.1	153.3	147.3	141.2	136.1	130.6	120.9	111.2	97.8
-87.5°	159.5	153.6	147.8	142.0	137.2	132.3	127.3	122.2	113.5	104.8	92.6
-90°	4.1	4.1	4.4	4.7	4.7	4.7	5.1	5.4	5.4	5.4	5.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	76.5	63.3	50.1	35.9	21.7	14.5	7.4
87.5°	6.4	6.4	6.3	6.3	6.3	6.9	7.4
85°	6.8	6.7	6.6	6.5	6.5	7.0	7.4
82.5°	7.1	6.9	6.8	6.7	6.6	7.2	7.4
80°	7.4	7.2	7.0	7.0	6.8	7.4	7.4
77.5°	7.8	7.6	7.2	7.2	7.0	7.5	7.4
75°	8.2	8.0	7.5	7.4	7.2	7.7	7.4
72.5°	8.6	8.5	8.0	7.6	7.4	7.8	7.4
70°	9.1	9.0	8.5	7.9	7.7	8.0	7.4
67.5°	9.7	9.5	9.0	8.3	7.9	8.1	7.4
65°	10.3	10.1	9.5	8.7	8.1	8.3	7.4
62.5°	10.9	10.6	10.0	9.1	8.4	8.5	7.4
60°	11.6	11.2	10.5	9.5	8.6	8.6	7.4
57.5°	12.8	11.8	11.2	9.9	9.1	8.8	7.4
55°	14.3	12.4	11.9	10.3	9.5	9.0	7.4
52.5°	16.0	13.2	12.7	10.7	10.0	9.1	7.4
50°	17.7	15.0	13.5	11.1	10.6	9.3	7.4
47.5°	19.9	17.0	14.4	11.5	11.1	9.5	7.4
45°	23.6	19.1	15.4	12.3	11.7	9.6	7.4
42.5°	27.3	21.2	16.4	13.0	12.3	9.8	7.4
40°	31.3	23.5	17.8	14.1	12.9	10.0	7.4
37.5°	35.6	25.8	19.6	15.5	13.5	10.1	7.4
35°	40.0	29.0	21.4	16.9	14.2	10.3	7.4
32.5°	44.7	32.4	23.3	18.3	14.9	10.5	7.4
30°	50.1	35.9	25.1	19.7	15.6	10.6	7.4
27.5°	55.4	39.2	27.6	21.2	16.3	10.8	7.4
25°	60.6	42.6	30.1	22.6	17.0	10.9	7.4
22.5°	65.7	46.0	32.5	24.1	17.7	11.1	7.4
20°	70.6	49.6	34.9	25.6	18.5	11.2	7.4
17.5°	75.4	53.2	37.3	27.1	19.2	11.4	7.4
15°	80.1	56.6	39.6	28.5	19.9	11.5	7.4
12.5°	84.6	59.8	41.8	30.0	20.6	11.6	7.4
10°	88.7	62.8	43.9	31.4	21.3	11.8	7.4
7.5°	92.6	65.7	45.9	32.7	21.9	11.9	7.4
5°	96.1	68.3	47.8	34.0	22.6	12.0	7.4
2.5°	99.3	70.8	49.7	35.3	23.1	12.1	7.4
0°	102.2	73.1	51.4	36.5	23.7	12.2	7.4
-2.5°	106.6	76.4	53.8	38.1	24.7	12.7	7.4
-5°	110.5	79.6	56.1	39.7	25.7	13.1	7.4
-7.5°	114.2	82.4	58.2	41.1	26.6	13.6	7.4
-10°	117.4	85.0	60.2	42.5	27.5	14.0	7.4
-12.5°	120.1	87.4	62.0	43.7	28.3	14.4	7.4
-15°	122.5	89.4	63.7	44.9	29.0	14.8	7.4
-17.5°	124.4	91.1	65.2	46.0	29.7	15.2	7.4
-20°	126.1	92.6	66.5	47.0	30.3	15.5	7.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	127.8	93.6	67.6	47.9	30.9	15.9	7.4
-25°	129.1	95.0	68.6	48.6	31.4	16.2	7.4
-27.5°	129.8	96.2	69.3	49.3	31.8	16.5	7.4
-30°	130.1	97.2	70.0	49.8	32.2	16.7	7.4
-32.5°	129.8	97.8	71.2	50.2	32.5	16.9	7.4
-35°	129.9	98.1	72.1	50.5	32.7	17.1	7.4
-37.5°	129.9	98.4	72.9	50.7	32.9	17.3	7.4
-40°	129.4	99.1	73.5	50.8	32.9	17.5	7.4
-42.5°	128.7	99.6	74.0	50.9	32.9	17.6	7.4
-45°	127.6	99.9	74.4	51.2	32.9	17.7	7.4
-47.5°	126.0	99.9	74.6	51.3	32.7	17.7	7.4
-50°	125.5	99.6	74.5	51.4	32.5	17.8	7.4
-52.5°	124.8	99.1	74.1	51.3	32.2	17.8	7.4
-55°	123.8	98.2	73.5	51.0	31.8	17.7	7.4
-57.5°	122.4	97.0	72.7	50.6	31.4	17.7	7.4
-60°	120.7	95.5	71.7	50.1	30.9	17.6	7.4
-62.5°	118.4	93.8	70.6	49.5	30.5	17.5	7.4
-65°	115.8	91.8	69.4	48.7	30.0	17.3	7.4
-67.5°	112.9	89.6	68.0	47.7	29.4	17.1	7.4
-70°	109.6	87.2	66.4	46.7	28.8	16.9	7.4
-72.5°	105.8	84.5	64.7	45.7	28.1	16.7	7.4
-75°	101.6	81.5	62.7	44.6	27.3	16.5	7.4
-77.5°	97.0	78.3	60.9	43.4	26.5	16.2	7.4
-80°	92.1	75.4	59.0	42.1	25.6	15.9	7.4
-82.5°	88.4	72.6	57.0	40.7	24.7	15.6	7.4
-85°	84.6	69.6	54.8	39.2	23.7	15.3	7.4
-87.5°	80.6	66.5	52.5	37.6	22.7	14.9	7.4
-90°	6.1	6.1	6.1	6.1	6.1	6.8	7.4

(END OF REPORT)