

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: P1306036 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-7F-VHE-A**

Issue Date: 2/3/2026

**Test Information**

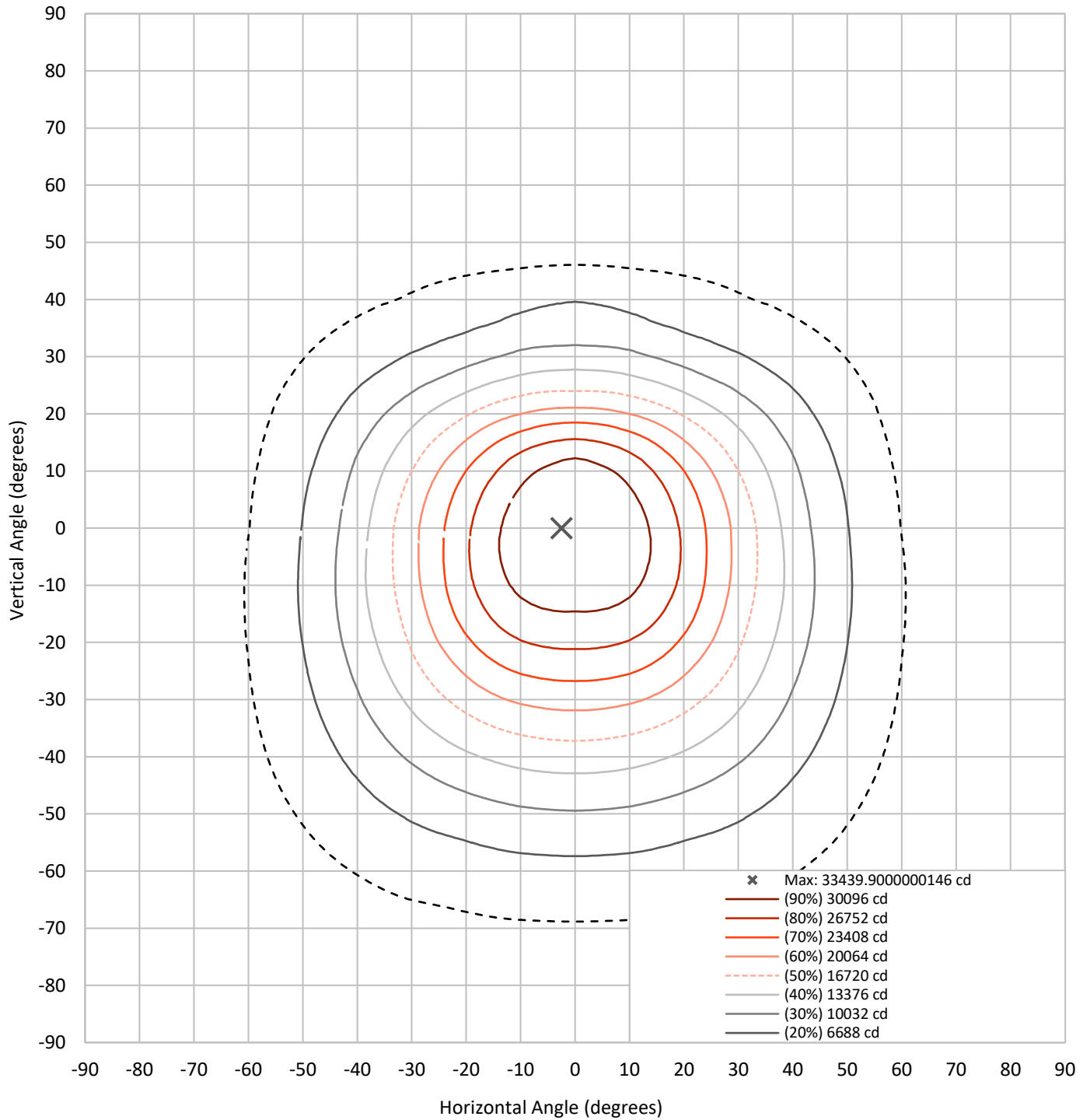
Test Method: LM-79-08  
Report Number: P1306036 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320N-40-80-7F-VHE-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	44487.3 lumens	Max Intensity:	33439.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	133.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	66.6°H x 61.2°V	Field Angle (10%):	119.6°H x 114.9°V
Beam Lumens:	24154.4 lumens	Field Lumens:	41688.6 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
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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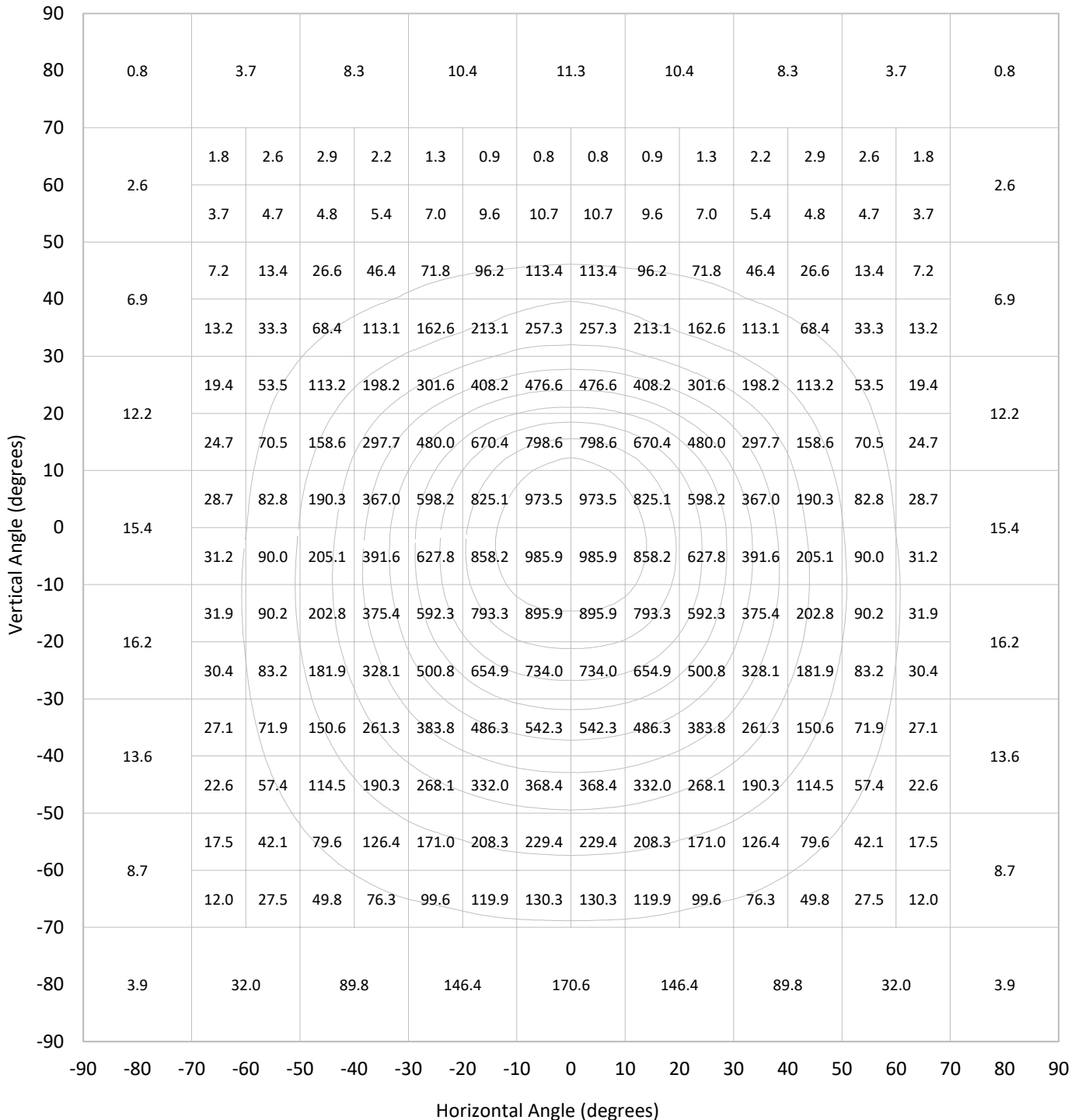
### Iso-Candela Plot





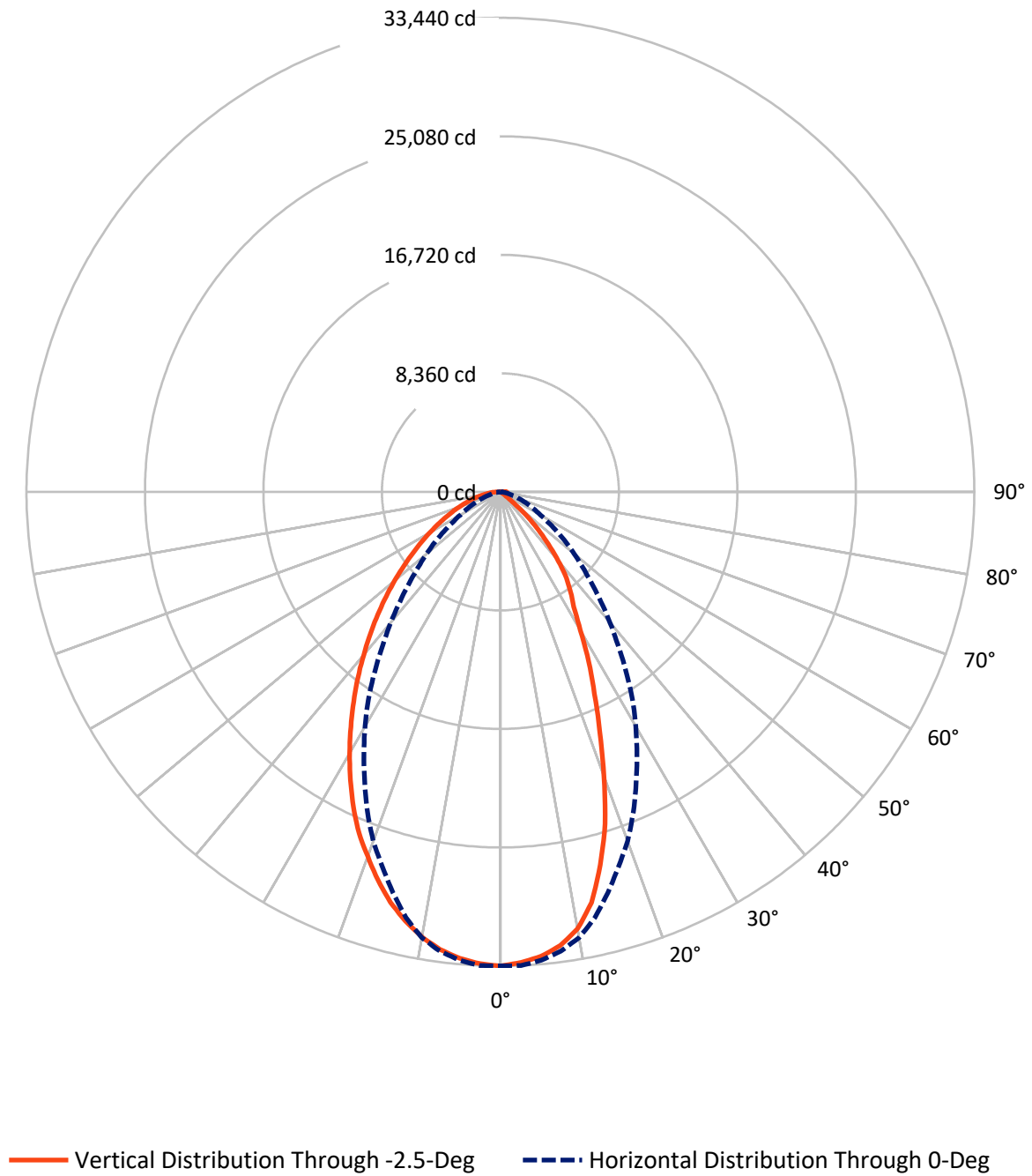
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### Lumen Table



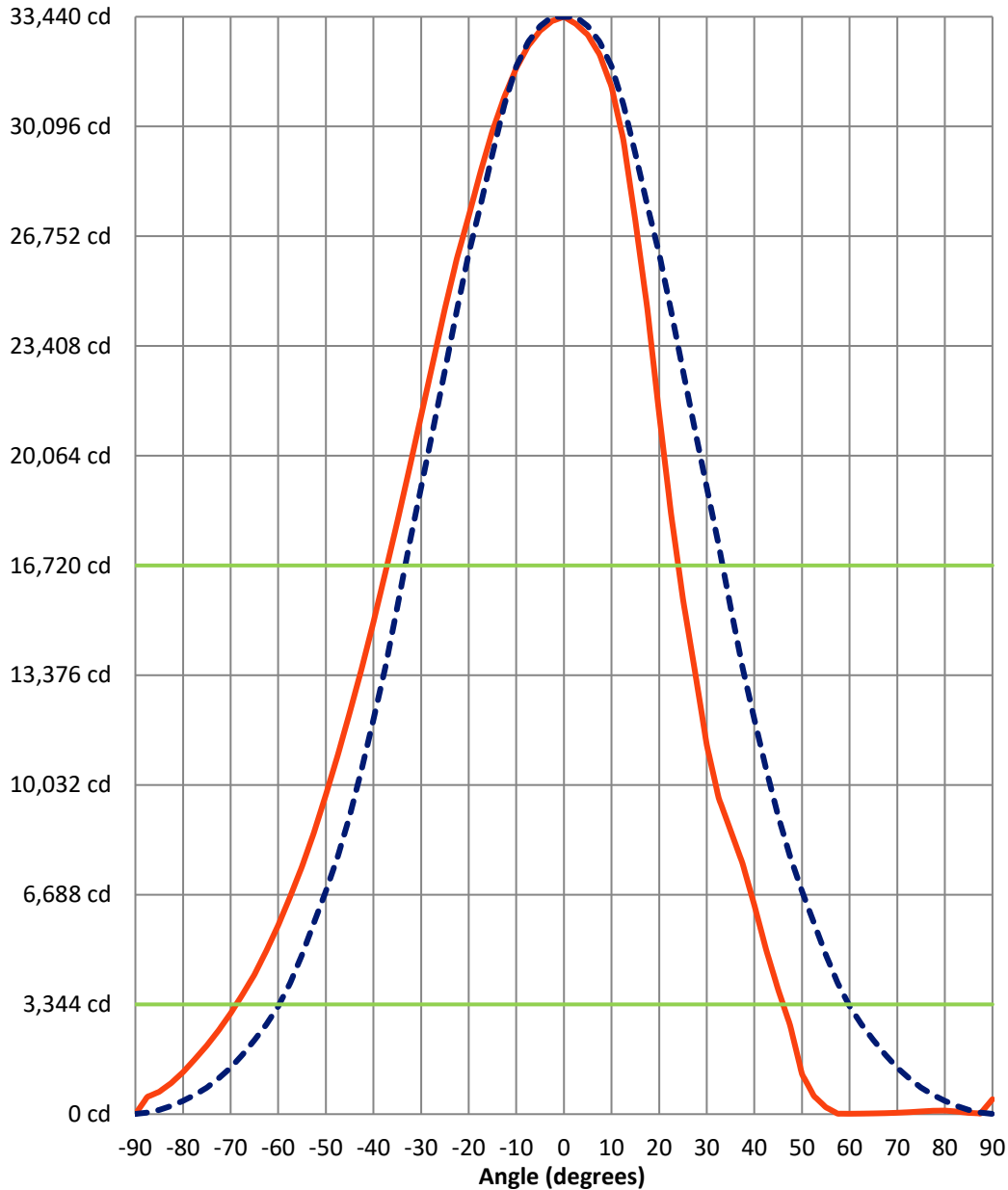
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 66.6°  
 V Angle: 61.2°  
 Lumens: 24154.4  
 Efficiency: 54.3%

**Field:**  
 H Angle: 119.6°  
 V Angle: 114.9°  
 Lumens: 41688.6  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 2798.7  
 Efficiency: 6.3%

— 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°	7.3	25.5	43.7	67.6	91.6	115.5	139.4	156.8	174.3	191.7	209.1
87.5°	7.3	9.2	10.6	11.5	12.2	12.7	13.1	13.1	13.0	12.6	12.1
85°	7.3	10.7	12.8	14.6	16.1	17.2	18.0	18.2	18.1	17.7	17.0
82.5°	7.3	12.1	15.1	17.8	19.9	21.6	22.9	23.3	23.8	25.5	26.9
80°	7.3	13.6	17.4	20.9	23.8	26.1	28.3	31.9	35.0	37.6	39.7
77.5°	7.3	15.0	19.7	24.0	27.7	32.3	37.6	42.1	46.3	49.8	51.4
75°	7.3	16.5	22.0	27.2	32.5	42.0	47.2	52.4	57.8	61.3	59.6
72.5°	7.3	17.9	24.3	30.3	41.5	51.7	57.0	63.9	71.7	73.3	68.8
70°	7.3	19.3	26.6	34.3	50.6	61.6	67.9	79.4	86.2	86.4	88.3
67.5°	7.3	20.7	28.9	41.9	59.8	71.6	84.5	95.4	101.8	110.7	111.4
65°	7.3	22.1	31.3	49.6	69.0	84.8	101.6	111.9	127.3	136.0	137.9
62.5°	7.3	23.5	33.7	57.2	78.3	101.2	119.2	134.8	153.5	164.1	171.1
60°	7.3	24.8	36.1	64.8	87.6	117.7	137.2	160.6	180.7	199.5	206.4
57.5°	7.3	26.2	41.6	72.4	101.9	134.6	162.1	187.5	214.9	236.6	247.6
55°	7.3	27.5	47.1	80.0	116.4	151.7	188.3	216.2	251.9	277.0	293.8
52.5°	7.3	28.8	52.5	87.5	131.0	170.0	214.9	252.3	290.0	325.0	343.4
50°	7.3	30.1	57.8	95.0	145.6	193.4	242.0	290.0	331.8	375.5	405.8
47.5°	7.3	31.4	63.0	103.3	160.2	216.8	270.5	328.5	380.5	428.5	474.7
45°	7.3	32.7	68.1	114.3	174.8	240.3	304.5	367.9	433.1	497.0	549.1
42.5°	7.3	33.9	73.1	125.2	189.4	263.9	338.8	412.4	487.5	569.6	649.2
40°	7.3	35.1	78.0	135.9	205.9	287.5	373.2	460.8	546.8	645.7	760.5
37.5°	7.3	36.2	82.7	146.4	224.3	311.0	407.8	509.8	612.9	727.1	879.7
35°	7.3	37.4	87.2	156.5	242.3	337.3	442.4	559.4	678.5	821.9	1012.6
32.5°	7.3	38.4	91.6	166.2	259.9	364.8	478.8	609.3	743.3	912.8	1129.7
30°	7.3	39.5	95.9	175.6	277.2	391.8	519.3	660.4	807.2	999.8	1239.4
27.5°	7.3	40.5	99.9	184.5	292.9	418.2	559.3	713.6	874.0	1082.6	1341.7
25°	7.3	41.4	103.7	193.0	307.7	444.0	598.6	765.5	944.4	1167.0	1436.9
22.5°	7.3	42.3	107.4	201.1	321.8	467.8	637.1	815.7	1011.0	1248.5	1537.0
20°	7.3	43.2	110.8	208.6	335.1	487.5	674.6	864.1	1073.7	1323.7	1631.5
17.5°	7.3	44.0	114.0	215.7	347.4	505.8	703.9	910.6	1132.4	1392.4	1719.9
15°	7.3	44.7	116.9	222.2	358.9	522.6	726.8	949.7	1187.0	1454.9	1801.9
12.5°	7.3	45.4	119.6	228.1	369.3	537.8	747.0	980.2	1235.1	1511.1	1877.1
10°	7.3	46.0	122.1	233.5	378.8	551.3	764.5	1008.5	1278.3	1577.2	1953.7
7.5°	7.3	46.6	124.2	238.2	387.2	563.2	779.4	1034.3	1318.3	1642.7	2041.1
5°	7.3	47.1	126.1	242.3	394.5	573.4	791.6	1057.3	1354.8	1704.4	2120.9
2.5°	7.3	47.5	127.7	245.8	400.7	581.9	801.2	1077.0	1387.0	1761.2	2192.8
0°	7.3	47.8	129.0	248.6	405.7	588.7	808.2	1093.2	1414.7	1812.0	2256.2
-2.5°	7.3	48.7	131.0	252.4	412.3	599.7	827.6	1120.1	1449.2	1847.6	2296.3
-5°	7.3	49.6	132.7	255.4	417.7	608.8	844.2	1142.8	1478.3	1876.1	2327.2
-7.5°	7.3	50.4	134.0	257.7	421.7	615.9	857.8	1161.1	1501.8	1897.7	2348.8
-10°	7.3	51.1	135.0	259.3	424.4	621.0	867.9	1174.8	1519.5	1912.3	2361.1
-12.5°	7.3	51.7	135.7	260.1	425.7	623.9	874.6	1183.7	1531.1	1920.5	2370.7
-15°	7.3	52.2	136.1	260.1	425.6	624.6	877.4	1187.5	1535.1	1923.8	2373.0
-17.5°	7.3	52.6	136.1	259.3	423.9	623.0	876.2	1184.8	1530.7	1918.8	2364.2
-20°	7.3	52.9	135.8	257.8	420.8	619.0	871.4	1176.1	1519.5	1905.1	2344.1



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.3	53.2	135.1	255.4	416.1	612.6	863.7	1162.6	1501.4	1882.6	2312.3
-25°	7.3	53.3	134.1	252.1	409.9	606.3	852.7	1144.5	1476.2	1851.2	2268.9
-27.5°	7.3	53.4	132.8	248.1	402.2	598.5	838.2	1121.8	1444.0	1813.2	2226.2
-30°	7.3	53.3	131.1	243.2	393.1	588.2	820.5	1094.3	1410.1	1771.2	2173.5
-32.5°	7.3	53.1	129.1	237.5	384.8	575.2	799.3	1068.2	1373.8	1720.7	2110.2
-35°	7.3	52.9	126.8	231.0	374.9	559.5	779.6	1039.8	1332.2	1661.7	2036.5
-37.5°	7.3	52.5	124.2	223.6	363.3	542.8	758.5	1007.6	1285.4	1594.2	1959.9
-40°	7.3	52.1	121.2	215.5	350.1	526.6	734.0	971.6	1233.4	1531.0	1879.3
-42.5°	7.3	51.5	117.9	207.1	337.8	508.3	706.1	931.8	1184.1	1468.3	1791.0
-45°	7.3	50.9	114.3	198.8	326.7	487.7	674.9	891.2	1134.2	1398.1	1697.7
-47.5°	7.3	50.2	110.4	189.6	314.4	465.0	640.4	850.4	1080.1	1320.6	1609.7
-50°	7.3	49.3	106.2	183.1	300.7	440.2	609.1	805.7	1019.6	1251.1	1512.8
-52.5°	7.3	48.4	101.7	177.1	285.9	413.4	576.1	757.1	958.4	1175.6	1409.6
-55°	7.3	47.4	96.9	170.4	269.8	391.3	540.7	705.9	894.5	1094.2	1316.6
-57.5°	7.3	46.3	91.8	163.0	252.6	368.9	502.7	660.2	826.4	1013.6	1217.2
-60°	7.3	45.1	86.6	155.1	234.6	345.0	463.6	610.2	756.8	929.9	1114.7
-62.5°	7.3	43.9	83.8	146.5	222.1	319.6	431.7	557.0	693.8	841.7	1013.5
-65°	7.3	42.5	80.9	137.4	208.8	292.8	398.0	505.1	627.6	761.3	907.4
-67.5°	7.3	41.1	77.8	127.8	194.6	269.1	362.6	460.5	558.6	680.7	809.3
-70°	7.3	39.6	74.6	117.7	179.7	248.6	325.7	414.2	503.2	596.9	712.6
-72.5°	7.3	38.0	71.2	111.4	164.0	227.1	296.3	366.4	446.4	530.2	617.5
-75°	7.3	36.4	67.6	105.8	147.8	204.8	267.0	326.1	387.9	461.9	539.0
-77.5°	7.3	34.7	63.9	100.0	137.9	181.6	236.7	287.8	340.5	396.1	458.5
-80°	7.3	33.0	60.1	93.9	129.2	165.7	205.4	248.5	293.3	340.3	389.5
-82.5°	7.3	31.2	56.1	87.6	120.1	153.6	188.0	215.6	245.1	283.4	323.3
-85°	7.3	29.3	52.1	81.1	110.8	141.2	172.2	196.4	220.6	245.2	269.9
-87.5°	7.3	27.4	47.9	74.4	101.3	128.5	156.0	176.7	197.6	218.6	239.7
-90°	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.1	7.8	7.6	7.3



REPORT NUMBER: P1306036 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	224.4	239.8	255.1	270.4	285.5	300.6	315.7	330.8	344.8	358.9	372.9
87.5°	12.4	12.7	13.0	13.3	12.7	12.1	11.4	10.7	11.5	12.5	13.5
85°	17.6	18.2	19.7	20.9	21.7	22.8	24.2	25.8	28.9	31.9	34.9
82.5°	29.3	31.2	32.6	33.5	36.4	40.0	43.8	47.4	50.8	54.1	57.2
80°	42.3	44.4	44.8	45.2	49.1	53.8	58.8	64.0	68.2	72.0	75.6
77.5°	51.8	53.0	54.4	56.0	60.9	67.7	74.6	81.5	86.6	90.6	94.3
75°	59.3	61.5	66.4	69.6	75.1	83.0	91.1	98.8	103.9	106.7	108.5
72.5°	71.5	78.7	83.1	84.8	90.1	99.5	108.0	115.5	119.5	118.9	116.4
70°	90.2	96.9	102.6	104.8	107.1	116.2	123.2	128.5	130.9	126.2	116.8
67.5°	110.4	120.6	125.9	126.2	122.9	130.9	137.1	136.3	132.1	121.9	109.6
65°	136.3	146.1	150.8	148.9	140.1	141.9	141.4	137.8	128.3	114.1	99.4
62.5°	165.4	174.1	177.9	173.0	156.8	149.9	145.9	136.4	121.9	108.0	94.1
60°	202.4	204.3	206.7	197.8	177.5	158.4	150.9	141.4	125.9	106.9	95.4
57.5°	243.8	237.2	238.3	228.4	205.0	170.8	167.4	155.3	142.2	117.2	105.4
55°	291.6	273.4	276.3	267.3	245.8	207.6	194.6	192.8	174.5	154.8	133.1
52.5°	349.0	324.2	323.6	322.2	310.6	277.6	247.9	268.6	280.1	258.2	272.1
50°	413.5	401.1	382.4	404.2	411.0	393.6	367.4	425.2	494.8	526.6	525.8
47.5°	499.0	491.7	475.6	514.9	563.9	608.9	619.7	724.0	829.4	946.0	959.8
45°	599.9	618.4	609.2	692.6	797.6	918.4	1008.2	1109.4	1349.4	1488.6	1694.8
42.5°	711.8	765.8	815.1	893.8	1141.5	1295.3	1430.7	1684.8	1923.5	2125.3	2338.4
40°	855.8	926.9	1034.5	1248.6	1515.7	1693.7	1926.8	2216.3	2458.1	2685.9	2904.0
37.5°	1011.9	1130.7	1276.4	1583.3	1887.2	2110.3	2395.7	2682.9	2957.7	3213.4	3518.3
35°	1177.0	1335.2	1564.7	1885.3	2204.2	2514.9	2829.0	3149.0	3462.6	3812.9	4155.8
32.5°	1356.6	1539.9	1829.6	2170.1	2527.0	2887.9	3252.9	3626.4	4025.0	4433.5	4797.3
30°	1518.7	1768.0	2076.3	2445.6	2848.4	3263.0	3688.9	4118.7	4608.1	5091.6	5528.0
27.5°	1642.5	1976.9	2321.2	2729.4	3170.8	3633.1	4126.5	4659.1	5228.9	5783.1	6301.3
25°	1761.3	2137.7	2556.1	3013.1	3503.4	4023.2	4575.2	5171.4	5870.6	6520.0	7166.3
22.5°	1885.7	2299.7	2751.1	3289.5	3827.2	4418.8	5031.2	5717.4	6490.1	7257.9	8043.3
20°	2018.1	2467.3	2943.6	3511.5	4130.2	4808.6	5460.4	6259.2	7118.7	8010.8	8968.9
17.5°	2147.2	2621.3	3130.2	3728.7	4399.4	5159.2	5874.3	6783.5	7736.0	8756.4	9840.0
15°	2271.5	2761.7	3300.4	3928.5	4659.8	5466.3	6302.7	7298.9	8364.2	9490.7	10628.6
12.5°	2389.7	2888.5	3453.9	4109.9	4902.9	5764.7	6686.1	7733.8	8900.6	10145.8	11386.1
10°	2500.3	3001.6	3590.2	4271.9	5125.8	6049.3	7027.4	8122.6	9335.8	10618.7	12002.1
7.5°	2584.1	3095.6	3710.4	4413.8	5325.7	6314.5	7326.1	8463.3	9703.6	11039.7	12526.9
5°	2648.2	3171.9	3821.6	4577.5	5517.7	6533.9	7571.7	8753.8	10005.0	11402.0	12980.0
2.5°	2697.0	3236.4	3916.9	4729.6	5689.7	6683.4	7732.0	8944.5	10276.2	11740.3	13348.2
0°	2732.6	3288.0	3994.3	4859.7	5829.2	6793.4	7850.3	9082.9	10496.5	12026.6	13620.2
-2.5°	2793.0	3379.4	4102.6	4962.8	5916.3	6901.1	8002.7	9275.7	10705.5	12207.2	13854.7
-5°	2841.4	3454.6	4190.1	5040.4	5973.0	6971.7	8107.7	9409.7	10842.3	12328.8	13975.7
-7.5°	2876.4	3511.6	4255.9	5091.9	6010.9	7028.6	8181.1	9476.4	10893.5	12401.4	13994.6
-10°	2897.1	3538.5	4276.5	5107.1	6031.3	7059.3	8209.3	9486.2	10878.1	12384.3	13942.7
-12.5°	2904.9	3537.9	4270.1	5094.7	6015.6	7044.7	8186.9	9439.9	10797.9	12274.3	13810.6
-15°	2899.8	3519.8	4240.4	5054.2	5962.6	6982.9	8113.7	9338.7	10649.0	12050.1	13543.1
-17.5°	2881.6	3484.0	4187.0	4985.5	5871.5	6872.8	7983.1	9151.5	10435.2	11791.3	13203.3
-20°	2850.4	3430.6	4109.7	4888.6	5747.2	6728.2	7798.6	8929.7	10162.7	11482.4	12822.7



REPORT NUMBER: P1306036 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2806.4	3359.7	4019.5	4779.4	5627.9	6563.9	7578.3	8662.8	9815.6	11113.8	12391.1
-25°	2755.7	3297.1	3925.1	4660.4	5477.1	6371.4	7320.4	8357.4	9445.4	10660.4	11896.8
-27.5°	2698.0	3220.9	3824.5	4517.8	5292.1	6157.4	7064.8	8038.2	9068.5	10160.9	11346.3
-30°	2626.6	3134.5	3704.0	4361.7	5104.6	5924.5	6797.0	7676.9	8652.8	9682.8	10769.4
-32.5°	2541.9	3030.0	3583.8	4210.2	4900.6	5655.0	6484.5	7321.2	8221.6	9174.9	10182.0
-35°	2451.3	2923.9	3449.8	4037.6	4676.7	5383.7	6141.3	6937.2	7765.3	8661.1	9546.9
-37.5°	2360.1	2802.6	3293.4	3854.8	4467.1	5095.1	5776.6	6533.7	7309.7	8101.7	8915.2
-40°	2257.5	2666.3	3137.7	3661.2	4215.6	4798.3	5436.8	6112.7	6834.1	7548.6	8277.8
-42.5°	2145.8	2540.6	2972.8	3439.8	3958.7	4501.0	5073.8	5706.3	6335.2	6984.1	7657.4
-45°	2039.7	2403.3	2797.3	3231.4	3689.9	4191.5	4726.1	5278.9	5845.0	6418.5	7031.4
-47.5°	1925.7	2260.7	2631.8	3008.1	3429.4	3883.3	4364.1	4861.6	5351.9	5877.7	6401.6
-50°	1807.0	2126.9	2446.6	2796.3	3170.6	3577.9	4014.0	4443.0	4891.3	5346.6	5818.9
-52.5°	1688.0	1985.0	2274.7	2580.8	2919.3	3281.1	3661.0	4044.3	4442.7	4843.5	5248.3
-55°	1559.4	1835.1	2097.8	2374.4	2671.2	2995.4	3317.1	3661.9	4007.2	4374.0	4706.5
-57.5°	1437.9	1672.9	1916.1	2168.8	2434.5	2710.4	2996.1	3284.5	3598.9	3915.1	4200.0
-60°	1318.0	1516.9	1729.3	1960.3	2198.0	2442.4	2679.2	2936.7	3202.6	3461.6	3722.3
-62.5°	1193.7	1369.8	1551.4	1747.4	1963.7	2174.2	2388.0	2605.0	2821.6	3051.4	3271.8
-65°	1071.0	1221.2	1382.2	1552.1	1726.0	1916.2	2104.1	2287.3	2480.9	2668.9	2851.6
-67.5°	942.9	1080.4	1218.3	1359.8	1515.4	1670.7	1827.0	1995.3	2158.7	2312.4	2467.2
-70°	828.4	939.1	1061.2	1186.1	1309.8	1437.2	1576.0	1715.1	1851.7	1982.7	2116.7
-72.5°	714.6	814.0	913.7	1013.7	1121.4	1228.6	1337.0	1446.1	1560.3	1674.5	1785.6
-75°	613.2	687.7	774.4	862.7	946.7	1028.7	1112.5	1205.3	1296.6	1386.2	1475.0
-77.5°	520.8	583.7	648.7	715.6	779.5	848.3	917.3	986.5	1054.6	1121.2	1186.5
-80°	433.9	478.0	530.3	584.5	635.3	685.4	735.4	785.4	835.8	888.6	943.1
-82.5°	359.2	395.1	431.5	468.2	501.9	534.9	569.0	608.0	647.9	687.5	726.7
-85°	290.8	311.4	339.3	367.6	394.5	421.1	447.3	473.2	499.7	525.9	551.6
-87.5°	257.8	275.7	293.6	311.4	328.6	345.6	362.4	379.1	396.2	413.3	430.3
-90°	7.3	7.3	7.3	7.3	7.0	6.8	6.5	6.2	6.0	5.7	5.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	386.9	391.3	395.8	400.2	404.6	415.0	425.4	435.8	446.2	448.6	450.9
87.5°	14.5	14.6	14.6	14.6	14.5	16.9	19.3	21.7	24.2	24.0	23.6
85°	37.8	38.4	38.6	38.6	38.5	41.7	44.9	48.0	51.0	49.0	46.6
82.5°	60.2	61.3	62.4	63.5	64.6	67.9	71.2	74.3	77.2	78.2	79.1
80°	78.9	80.9	82.4	83.6	84.5	87.4	90.4	93.3	96.1	99.0	102.0
77.5°	96.9	97.6	97.2	96.2	94.7	95.1	95.8	96.2	96.2	97.7	99.5
75°	109.5	108.0	103.7	98.8	93.2	89.8	87.3	84.7	82.0	81.5	81.7
72.5°	112.2	106.5	99.4	90.7	82.1	76.1	72.1	68.2	64.5	62.6	61.6
70°	106.2	95.3	85.9	76.5	67.3	60.6	56.5	52.8	49.5	47.3	45.7
67.5°	95.7	82.2	72.2	62.6	53.7	46.7	43.1	39.9	36.9	34.7	33.2
65°	84.9	70.6	61.0	51.7	42.7	35.8	33.1	30.4	27.8	25.8	24.8
62.5°	79.0	64.0	54.0	45.9	37.7	29.8	26.9	24.2	21.5	19.3	18.4
60°	81.1	64.0	51.9	44.4	36.0	26.8	23.2	20.7	18.0	15.5	14.6
57.5°	93.8	75.2	57.1	54.1	45.6	32.0	33.3	38.7	34.6	23.9	22.6
55°	143.5	138.8	90.9	117.6	136.8	128.9	120.4	159.3	178.3	179.3	196.9
52.5°	285.1	318.8	306.3	320.8	399.9	432.0	427.7	497.4	533.5	528.6	547.5
50°	600.4	669.3	754.1	767.7	900.4	992.4	1014.6	1095.3	1184.9	1219.2	1257.8
47.5°	1171.7	1333.1	1415.0	1507.4	1660.1	1827.4	1957.0	2073.2	2199.0	2285.1	2388.9
45°	1908.6	2022.6	2165.2	2379.7	2612.8	2831.2	3036.3	3223.3	3346.6	3456.5	3573.2
42.5°	2514.8	2697.0	2936.1	3256.1	3587.8	3811.9	3980.7	4160.8	4353.4	4536.5	4705.4
40°	3135.6	3346.7	3726.0	4088.6	4336.1	4552.4	4783.4	5027.9	5279.7	5519.9	5758.8
37.5°	3800.9	4112.9	4445.0	4762.0	5023.8	5228.5	5545.0	5815.9	6068.2	6425.9	6754.0
35°	4508.8	4847.9	5133.3	5495.8	5788.6	6041.0	6372.3	6713.3	6931.8	7422.4	7847.2
32.5°	5213.1	5608.3	5988.8	6333.1	6696.4	7085.6	7408.0	7875.9	8231.9	8701.2	9162.5
30°	5947.0	6488.8	6963.8	7341.6	7836.4	8339.6	8792.0	9342.9	9867.6	10304.4	10793.4
27.5°	6873.0	7475.5	8054.7	8636.8	9165.5	9793.9	10513.9	11096.7	11768.4	12244.7	12756.1
25°	7855.5	8573.2	9343.5	10093.9	10787.5	11600.5	12416.8	13128.8	13825.0	14373.8	14920.3
22.5°	8923.9	9791.7	10708.6	11653.3	12590.9	13481.5	14357.7	15238.9	16041.4	16795.6	17321.1
20°	10008.9	10972.5	12086.0	13224.2	14303.9	15309.1	16362.1	17476.4	18496.1	19370.2	20017.5
17.5°	10987.7	12196.4	13421.1	14669.9	15887.5	17129.9	18436.3	19746.9	20954.2	21977.9	22837.3
15°	11869.4	13239.0	14656.7	16065.6	17465.9	18896.3	20422.8	21834.9	23188.1	24362.1	25366.9
12.5°	12738.9	14201.7	15721.5	17301.2	18961.3	20510.0	22064.2	23586.8	25005.0	26369.7	27376.2
10°	13508.5	15087.9	16714.9	18407.8	20127.2	21807.4	23445.5	25032.8	26426.2	27714.7	28932.4
7.5°	14135.5	15829.4	17565.9	19346.4	21116.0	22817.4	24485.8	26072.0	27486.3	28806.8	30052.0
5°	14676.3	16472.9	18265.1	20039.4	21820.0	23584.7	25269.2	26833.2	28306.2	29678.5	30926.5
2.5°	15117.6	16991.0	18806.9	20554.4	22327.8	24134.1	25861.2	27372.2	28912.0	30307.7	31536.0
0°	15448.8	17339.9	19097.8	20860.9	22656.3	24482.8	26219.9	27700.1	29267.7	30759.3	31927.4
-2.5°	15630.0	17410.0	19159.7	20928.6	22778.1	24657.0	26391.7	27987.2	29545.7	30943.9	32029.9
-5°	15692.9	17443.9	19187.4	20988.2	22821.6	24671.0	26399.8	27999.4	29496.1	30804.0	31794.5
-7.5°	15650.7	17384.5	19110.5	20893.6	22715.4	24542.7	26243.7	27773.8	29215.1	30453.9	31399.1
-10°	15523.2	17202.2	18928.8	20682.6	22508.3	24312.3	25979.3	27359.7	28735.9	29898.1	30791.8
-12.5°	15312.5	16920.1	18622.8	20337.8	22129.1	23863.2	25416.5	26791.0	28020.7	29197.9	29980.1
-15°	15013.5	16563.5	18191.4	19870.8	21567.8	23245.4	24760.0	26088.5	27227.7	28156.3	28980.1
-17.5°	14638.6	16134.1	17694.1	19303.3	20879.2	22475.2	23878.9	25210.2	26306.0	27132.7	27771.9
-20°	14177.0	15628.4	17120.3	18656.6	20120.8	21478.3	22831.4	24069.3	25152.4	25960.8	26575.2



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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°	13689.9	15059.2	16472.6	17857.9	19191.3	20467.3	21692.8	22829.0	23858.9	24623.1	25211.1
-25°	13135.7	14416.2	15723.0	16974.1	18191.9	19380.0	20490.8	21543.5	22442.6	23186.1	23732.0
-27.5°	12528.6	13721.0	14900.5	16064.0	17193.9	18220.9	19243.0	20193.4	20984.0	21667.7	22151.2
-30°	11865.2	12955.7	14061.1	15151.9	16129.2	17054.4	17962.5	18787.5	19512.2	20112.6	20546.2
-32.5°	11165.7	12161.9	13187.2	14173.5	15030.6	15865.3	16657.1	17380.3	18044.8	18575.3	18966.3
-35°	10442.4	11365.3	12286.1	13138.9	13937.8	14680.2	15362.5	16003.5	16554.1	17037.6	17420.9
-37.5°	9731.0	10562.3	11361.4	12105.9	12844.1	13525.1	14121.0	14683.4	15183.9	15587.2	15923.3
-40°	9033.2	9769.0	10449.4	11112.2	11771.7	12348.2	12889.4	13374.4	13817.3	14202.6	14501.1
-42.5°	8339.6	8973.3	9560.5	10156.9	10727.2	11227.1	11698.3	12118.5	12502.9	12848.2	13137.6
-45°	7643.5	8185.5	8708.1	9232.5	9705.9	10151.2	10560.8	10930.0	11273.4	11564.1	11801.5
-47.5°	6932.5	7413.3	7888.1	8342.4	8735.3	9120.0	9472.6	9804.2	10113.7	10375.1	10584.8
-50°	6253.7	6678.6	7103.7	7479.3	7809.6	8130.0	8428.4	8748.6	9035.0	9273.2	9446.5
-52.5°	5616.3	6000.6	6365.9	6673.6	6952.7	7202.9	7432.2	7729.6	7999.2	8233.2	8386.8
-55°	5035.9	5364.7	5678.0	5932.1	6165.3	6373.9	6582.0	6821.0	7038.7	7233.3	7361.7
-57.5°	4489.6	4768.3	5028.9	5242.9	5437.3	5611.7	5804.9	6004.8	6183.3	6336.9	6440.3
-60°	3971.6	4208.9	4425.0	4601.0	4762.6	4909.4	5093.3	5267.7	5422.0	5547.3	5624.5
-62.5°	3482.9	3695.7	3863.8	4005.4	4134.4	4258.1	4418.8	4569.5	4708.6	4819.8	4884.4
-65°	3035.6	3221.9	3346.8	3458.8	3560.6	3672.0	3808.6	3931.2	4039.9	4122.4	4178.6
-67.5°	2627.7	2775.1	2873.6	2962.6	3049.8	3145.1	3261.1	3368.1	3465.9	3533.9	3576.0
-70°	2247.8	2361.4	2441.3	2517.0	2589.8	2671.5	2766.5	2855.0	2936.6	2989.4	3022.9
-72.5°	1893.3	1980.0	2046.0	2111.1	2169.8	2239.9	2317.3	2389.9	2457.3	2497.0	2522.5
-75°	1562.7	1629.0	1683.1	1733.1	1778.9	1837.9	1900.7	1959.6	2014.4	2044.7	2064.3
-77.5°	1256.0	1306.9	1347.5	1384.8	1418.6	1465.3	1513.6	1559.0	1601.3	1628.3	1649.9
-80°	996.3	1027.1	1052.1	1075.4	1096.9	1131.8	1167.2	1200.6	1231.9	1249.5	1263.4
-82.5°	765.3	784.0	798.9	812.0	823.2	847.5	871.8	894.8	916.4	927.8	937.4
-85°	576.9	586.9	595.4	602.9	609.5	626.5	643.2	659.3	674.9	678.2	680.5
-87.5°	447.3	452.7	457.9	462.9	467.7	480.3	492.8	505.2	517.5	519.7	521.6
-90°	5.2	5.0	4.7	4.5	4.2	3.9	3.7	3.4	3.1	2.9	2.6



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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°	453.3	455.6	454.1	452.5	454.1	455.6	453.3	450.9	448.6	446.2	435.8
87.5°	23.2	22.8	22.9	22.9	22.9	22.8	23.2	23.6	24.0	24.2	21.7
85°	44.1	41.5	39.5	37.4	39.5	41.5	44.1	46.6	49.0	51.0	48.0
82.5°	79.9	80.6	80.5	80.1	80.5	80.6	79.9	79.1	78.2	77.2	74.3
80°	104.9	107.7	108.6	109.2	108.6	107.7	104.9	102.0	99.0	96.1	93.3
77.5°	101.2	103.0	103.5	104.0	103.5	103.0	101.2	99.5	97.7	96.2	96.2
75°	82.1	82.6	82.3	82.2	82.3	82.6	82.1	81.7	81.5	82.0	84.7
72.5°	60.6	59.9	59.5	59.3	59.5	59.9	60.6	61.6	62.6	64.5	68.2
70°	44.4	43.2	42.3	41.6	42.3	43.2	44.4	45.7	47.3	49.5	52.8
67.5°	31.8	30.7	29.8	29.1	29.8	30.7	31.8	33.2	34.7	36.9	39.9
65°	23.9	23.3	22.5	21.8	22.5	23.3	23.9	24.8	25.8	27.8	30.4
62.5°	17.6	17.0	16.7	16.6	16.7	17.0	17.6	18.4	19.3	21.5	24.2
60°	13.7	12.9	12.6	12.5	12.6	12.9	13.7	14.6	15.5	18.0	20.7
57.5°	20.4	17.5	15.7	14.6	15.7	17.5	20.4	22.6	23.9	34.6	38.7
55°	206.3	206.9	211.0	215.3	211.0	206.9	206.3	196.9	179.3	178.3	159.3
52.5°	561.9	560.0	555.0	545.1	555.0	560.0	561.9	547.5	528.6	533.5	497.4
50°	1280.9	1262.8	1223.6	1168.1	1223.6	1262.8	1280.9	1257.8	1219.2	1184.9	1095.3
47.5°	2528.7	2633.3	2705.7	2737.8	2705.7	2633.3	2528.7	2388.9	2285.1	2199.0	2073.2
45°	3694.7	3756.7	3792.9	3821.6	3792.9	3756.7	3694.7	3573.2	3456.5	3346.6	3223.3
42.5°	4849.1	4947.4	4995.9	4987.7	4995.9	4947.4	4849.1	4705.4	4536.5	4353.4	4160.8
40°	5988.4	6194.2	6363.2	6484.5	6363.2	6194.2	5988.4	5758.8	5519.9	5279.7	5027.9
37.5°	7078.5	7385.0	7643.9	7831.5	7643.9	7385.0	7078.5	6754.0	6425.9	6068.2	5815.9
35°	8194.7	8465.0	8642.5	8719.9	8642.5	8465.0	8194.7	7847.2	7422.4	6931.8	6713.3
32.5°	9456.7	9607.0	9638.8	9719.5	9638.8	9607.0	9456.7	9162.5	8701.2	8231.9	7875.9
30°	11091.2	11247.3	11251.1	11352.6	11251.1	11247.3	11091.2	10793.4	10304.4	9867.6	9342.9
27.5°	13159.3	13422.2	13507.5	13597.3	13507.5	13422.2	13159.3	12756.1	12244.7	11768.4	11096.7
25°	15373.8	15618.9	15697.4	15667.3	15697.4	15618.9	15373.8	14920.3	14373.8	13825.0	13128.8
22.5°	17859.4	18177.1	18292.7	18234.4	18292.7	18177.1	17859.4	17321.1	16795.6	16041.4	15238.9
20°	20641.3	21099.9	21342.4	21451.7	21342.4	21099.9	20641.3	20017.5	19370.2	18496.1	17476.4
17.5°	23569.5	24245.3	24555.7	24647.2	24555.7	24245.3	23569.5	22837.3	21977.9	20954.2	19746.9
15°	26233.4	26823.5	27225.9	27432.8	27225.9	26823.5	26233.4	25366.9	24362.1	23188.1	21834.9
12.5°	28293.2	29045.2	29672.1	30008.3	29672.1	29045.2	28293.2	27376.2	26369.7	25005.0	23586.8
10°	29972.2	30731.5	31301.6	31577.9	31301.6	30731.5	29972.2	28932.4	27714.7	26426.2	25032.8
7.5°	31133.8	31839.6	32282.1	32463.1	32282.1	31839.6	31133.8	30052.0	28806.8	27486.3	26072.0
5°	31884.7	32559.5	32886.5	33004.0	32886.5	32559.5	31884.7	30926.5	29678.5	28306.2	26833.2
2.5°	32425.3	32959.2	33221.2	33238.1	33221.2	32959.2	32425.3	31536.0	30307.7	28912.0	27372.2
0°	32672.2	33152.8	33439.9	33434.7	33439.9	33152.8	32672.2	31927.4	30759.3	29267.7	27700.1
-2.5°	32684.2	33102.3	33306.3	33191.3	33306.3	33102.3	32684.2	32029.9	30943.9	29545.7	27987.2
-5°	32451.1	32860.2	33013.1	32978.0	33013.1	32860.2	32451.1	31794.5	30804.0	29496.1	27999.4
-7.5°	32032.5	32395.6	32551.7	32556.7	32551.7	32395.6	32032.5	31399.1	30453.9	29215.1	27773.8
-10°	31394.3	31697.7	31876.5	31825.5	31876.5	31697.7	31394.3	30791.8	29898.1	28735.9	27359.7
-12.5°	30550.1	30849.5	31001.1	30970.5	31001.1	30849.5	30550.1	29980.1	29197.9	28020.7	26791.0
-15°	29540.2	29824.8	29966.8	29953.2	29966.8	29824.8	29540.2	28980.1	28156.3	27227.7	26088.5
-17.5°	28289.8	28575.1	28720.5	28740.3	28720.5	28575.1	28289.8	27771.9	27132.7	26306.0	25210.2
-20°	26979.5	27231.1	27364.3	27366.2	27364.3	27231.1	26979.5	26575.2	25960.8	25152.4	24069.3



REPORT NUMBER: P1306036 (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°	25621.2	25903.7	26061.8	26037.9	26061.8	25903.7	25621.2	25211.1	24623.1	23858.9	22829.0
-25°	24107.2	24390.4	24544.1	24538.0	24544.1	24390.4	24107.2	23732.0	23186.1	22442.6	21543.5
-27.5°	22491.0	22763.1	22911.5	22929.8	22911.5	22763.1	22491.0	22151.2	21667.7	20984.0	20193.4
-30°	20863.0	21131.2	21276.5	21288.4	21276.5	21131.2	20863.0	20546.2	20112.6	19512.2	18787.5
-32.5°	19267.7	19509.9	19644.1	19658.4	19644.1	19509.9	19267.7	18966.3	18575.3	18044.8	17380.3
-35°	17711.2	17924.1	18044.5	18083.6	18044.5	17924.1	17711.2	17420.9	17037.6	16554.1	16003.5
-37.5°	16196.5	16388.9	16505.2	16576.4	16505.2	16388.9	16196.5	15923.3	15587.2	15183.9	14683.4
-40°	14733.3	14901.9	14994.7	14996.3	14994.7	14901.9	14733.3	14501.1	14202.6	13817.3	13374.4
-42.5°	13352.1	13494.0	13565.0	13566.1	13565.0	13494.0	13352.1	13137.6	12848.2	12502.9	12118.5
-45°	11992.6	12131.4	12229.8	12291.9	12229.8	12131.4	11992.6	11801.5	11564.1	11273.4	10930.0
-47.5°	10744.8	10858.6	10936.6	10979.1	10936.6	10858.6	10744.8	10584.8	10375.1	10113.7	9804.2
-50°	9573.5	9664.5	9731.1	9770.5	9731.1	9664.5	9573.5	9446.5	9273.2	9035.0	8748.6
-52.5°	8491.1	8557.5	8581.4	8565.9	8581.4	8557.5	8491.1	8386.8	8233.2	7999.2	7729.6
-55°	7458.0	7524.2	7550.7	7541.3	7550.7	7524.2	7458.0	7361.7	7233.3	7038.7	6821.0
-57.5°	6521.7	6580.4	6627.4	6656.1	6627.4	6580.4	6521.7	6440.3	6336.9	6183.3	6004.8
-60°	5685.3	5728.7	5758.3	5769.9	5758.3	5728.7	5685.3	5624.5	5547.3	5422.0	5267.7
-62.5°	4929.8	4956.8	4977.8	4986.6	4977.8	4956.8	4929.8	4884.4	4819.8	4708.6	4569.5
-65°	4223.5	4256.4	4252.5	4229.4	4252.5	4256.4	4223.5	4178.6	4122.4	4039.9	3931.2
-67.5°	3607.7	3629.2	3647.6	3657.3	3647.6	3629.2	3607.7	3576.0	3533.9	3465.9	3368.1
-70°	3048.5	3066.1	3072.6	3070.6	3072.6	3066.1	3048.5	3022.9	2989.4	2936.6	2855.0
-72.5°	2541.7	2554.5	2557.0	2552.6	2557.0	2554.5	2541.7	2522.5	2497.0	2457.3	2389.9
-75°	2078.2	2086.8	2091.1	2090.8	2091.1	2086.8	2078.2	2064.3	2044.7	2014.4	1959.6
-77.5°	1667.9	1682.3	1676.2	1665.3	1676.2	1682.3	1667.9	1649.9	1628.3	1601.3	1559.0
-80°	1274.8	1283.6	1278.8	1271.1	1278.8	1283.6	1274.8	1263.4	1249.5	1231.9	1200.6
-82.5°	945.8	952.7	944.8	935.1	944.8	952.7	945.8	937.4	927.8	916.4	894.8
-85°	682.2	683.2	682.6	681.3	682.6	683.2	682.2	680.5	678.2	674.9	659.3
-87.5°	523.4	525.0	523.7	522.2	523.7	525.0	523.4	521.6	519.7	517.5	505.2
-90°	2.4	2.1	2.6	3.1	2.6	2.1	2.4	2.6	2.9	3.1	3.4



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	425.4	415.0	404.6	400.2	395.8	391.3	386.9	372.9	358.9	344.8	330.8
87.5°	19.3	16.9	14.5	14.6	14.6	14.6	14.5	13.5	12.5	11.5	10.7
85°	44.9	41.7	38.5	38.6	38.6	38.4	37.8	34.9	31.9	28.9	25.8
82.5°	71.2	67.9	64.6	63.5	62.4	61.3	60.2	57.2	54.1	50.8	47.4
80°	90.4	87.4	84.5	83.6	82.4	80.9	78.9	75.6	72.0	68.2	64.0
77.5°	95.8	95.1	94.7	96.2	97.2	97.6	96.9	94.3	90.6	86.6	81.5
75°	87.3	89.8	93.2	98.8	103.7	108.0	109.5	108.5	106.7	103.9	98.8
72.5°	72.1	76.1	82.1	90.7	99.4	106.5	112.2	116.4	118.9	119.5	115.5
70°	56.5	60.6	67.3	76.5	85.9	95.3	106.2	116.8	126.2	130.9	128.5
67.5°	43.1	46.7	53.7	62.6	72.2	82.2	95.7	109.6	121.9	132.1	136.3
65°	33.1	35.8	42.7	51.7	61.0	70.6	84.9	99.4	114.1	128.3	137.8
62.5°	26.9	29.8	37.7	45.9	54.0	64.0	79.0	94.1	108.0	121.9	136.4
60°	23.2	26.8	36.0	44.4	51.9	64.0	81.1	95.4	106.9	125.9	141.4
57.5°	33.3	32.0	45.6	54.1	57.1	75.2	93.8	105.4	117.2	142.2	155.3
55°	120.4	128.9	136.8	117.6	90.9	138.8	143.5	133.1	154.8	174.5	192.8
52.5°	427.7	432.0	399.9	320.8	306.3	318.8	285.1	272.1	258.2	280.1	268.6
50°	1014.6	992.4	900.4	767.7	754.1	669.3	600.4	525.8	526.6	494.8	425.2
47.5°	1957.0	1827.4	1660.1	1507.4	1415.0	1333.1	1171.7	959.8	946.0	829.4	724.0
45°	3036.3	2831.2	2612.8	2379.7	2165.2	2022.6	1908.6	1694.8	1488.6	1349.4	1109.4
42.5°	3980.7	3811.9	3587.8	3256.1	2936.1	2697.0	2514.8	2338.4	2125.3	1923.5	1684.8
40°	4783.4	4552.4	4336.1	4088.6	3726.0	3346.7	3135.6	2904.0	2685.9	2458.1	2216.3
37.5°	5545.0	5228.5	5023.8	4762.0	4445.0	4112.9	3800.9	3518.3	3213.4	2957.7	2682.9
35°	6372.3	6041.0	5788.6	5495.8	5133.3	4847.9	4508.8	4155.8	3812.9	3462.6	3149.0
32.5°	7408.0	7085.6	6696.4	6333.1	5988.8	5608.3	5213.1	4797.3	4433.5	4025.0	3626.4
30°	8792.0	8339.6	7836.4	7341.6	6963.8	6488.8	5947.0	5528.0	5091.6	4608.1	4118.7
27.5°	10513.9	9793.9	9165.5	8636.8	8054.7	7475.5	6873.0	6301.3	5783.1	5228.9	4659.1
25°	12416.8	11600.5	10787.5	10093.9	9343.5	8573.2	7855.5	7166.3	6520.0	5870.6	5171.4
22.5°	14357.7	13481.5	12590.9	11653.3	10708.6	9791.7	8923.9	8043.3	7257.9	6490.1	5717.4
20°	16362.1	15309.1	14303.9	13224.2	12086.0	10972.5	10008.9	8968.9	8010.8	7118.7	6259.2
17.5°	18436.3	17129.9	15887.5	14669.9	13421.1	12196.4	10987.7	9840.0	8756.4	7736.0	6783.5
15°	20422.8	18896.3	17465.9	16065.6	14656.7	13239.0	11869.4	10628.6	9490.7	8364.2	7298.9
12.5°	22064.2	20510.0	18961.3	17301.2	15721.5	14201.7	12738.9	11386.1	10145.8	8900.6	7733.8
10°	23445.5	21807.4	20127.2	18407.8	16714.9	15087.9	13508.5	12002.1	10618.7	9335.8	8122.6
7.5°	24485.8	22817.4	21116.0	19346.4	17565.9	15829.4	14135.5	12526.9	11039.7	9703.6	8463.3
5°	25269.2	23584.7	21820.0	20039.4	18265.1	16472.9	14676.3	12980.0	11402.0	10005.0	8753.8
2.5°	25861.2	24134.1	22327.8	20554.4	18806.9	16991.0	15117.6	13348.2	11740.3	10276.2	8944.5
0°	26219.9	24482.8	22656.3	20860.9	19097.8	17339.9	15448.8	13620.2	12026.6	10496.5	9082.9
-2.5°	26391.7	24657.0	22778.1	20928.6	19159.7	17410.0	15630.0	13854.7	12207.2	10705.5	9275.7
-5°	26399.8	24671.0	22821.6	20988.2	19187.4	17443.9	15692.9	13975.7	12328.8	10842.3	9409.7
-7.5°	26243.7	24542.7	22715.4	20893.6	19110.5	17384.5	15650.7	13994.6	12401.4	10893.5	9476.4
-10°	25979.3	24312.3	22508.3	20682.6	18928.8	17202.2	15523.2	13942.7	12384.3	10878.1	9486.2
-12.5°	25416.5	23863.2	22129.1	20337.8	18622.8	16920.1	15312.5	13810.6	12274.3	10797.9	9439.9
-15°	24760.0	23245.4	21567.8	19870.8	18191.4	16563.5	15013.5	13543.1	12050.1	10649.0	9338.7
-17.5°	23878.9	22475.2	20879.2	19303.3	17694.1	16134.1	14638.6	13203.3	11791.3	10435.2	9151.5
-20°	22831.4	21478.3	20120.8	18656.6	17120.3	15628.4	14177.0	12822.7	11482.4	10162.7	8929.7



REPORT NUMBER: P1306036 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21692.8	20467.3	19191.3	17857.9	16472.6	15059.2	13689.9	12391.1	11113.8	9815.6	8662.8
-25°	20490.8	19380.0	18191.9	16974.1	15723.0	14416.2	13135.7	11896.8	10660.4	9445.4	8357.4
-27.5°	19243.0	18220.9	17193.9	16064.0	14900.5	13721.0	12528.6	11346.3	10160.9	9068.5	8038.2
-30°	17962.5	17054.4	16129.2	15151.9	14061.1	12955.7	11865.2	10769.4	9682.8	8652.8	7676.9
-32.5°	16657.1	15865.3	15030.6	14173.5	13187.2	12161.9	11165.7	10182.0	9174.9	8221.6	7321.2
-35°	15362.5	14680.2	13937.8	13138.9	12286.1	11365.3	10442.4	9546.9	8661.1	7765.3	6937.2
-37.5°	14121.0	13525.1	12844.1	12105.9	11361.4	10562.3	9731.0	8915.2	8101.7	7309.7	6533.7
-40°	12889.4	12348.2	11771.7	11112.2	10449.4	9769.0	9033.2	8277.8	7548.6	6834.1	6112.7
-42.5°	11698.3	11227.1	10727.2	10156.9	9560.5	8973.3	8339.6	7657.4	6984.1	6335.2	5706.3
-45°	10560.8	10151.2	9705.9	9232.5	8708.1	8185.5	7643.5	7031.4	6418.5	5845.0	5278.9
-47.5°	9472.6	9120.0	8735.3	8342.4	7888.1	7413.3	6932.5	6401.6	5877.7	5351.9	4861.6
-50°	8428.4	8130.0	7809.6	7479.3	7103.7	6678.6	6253.7	5818.9	5346.6	4891.3	4443.0
-52.5°	7432.2	7202.9	6952.7	6673.6	6365.9	6000.6	5616.3	5248.3	4843.5	4442.7	4044.3
-55°	6582.0	6373.9	6165.3	5932.1	5678.0	5364.7	5035.9	4706.5	4374.0	4007.2	3661.9
-57.5°	5804.9	5611.7	5437.3	5242.9	5028.9	4768.3	4489.6	4200.0	3915.1	3598.9	3284.5
-60°	5093.3	4909.4	4762.6	4601.0	4425.0	4208.9	3971.6	3722.3	3461.6	3202.6	2936.7
-62.5°	4418.8	4258.1	4134.4	4005.4	3863.8	3695.7	3482.9	3271.8	3051.4	2821.6	2605.0
-65°	3808.6	3672.0	3560.6	3458.8	3346.8	3221.9	3035.6	2851.6	2668.9	2480.9	2287.3
-67.5°	3261.1	3145.1	3049.8	2962.6	2873.6	2775.1	2627.7	2467.2	2312.4	2158.7	1995.3
-70°	2766.5	2671.5	2589.8	2517.0	2441.3	2361.4	2247.8	2116.7	1982.7	1851.7	1715.1
-72.5°	2317.3	2239.9	2169.8	2111.1	2046.0	1980.0	1893.3	1785.6	1674.5	1560.3	1446.1
-75°	1900.7	1837.9	1778.9	1733.1	1683.1	1629.0	1562.7	1475.0	1386.2	1296.6	1205.3
-77.5°	1513.6	1465.3	1418.6	1384.8	1347.5	1306.9	1256.0	1186.5	1121.2	1054.6	986.5
-80°	1167.2	1131.8	1096.9	1075.4	1052.1	1027.1	996.3	943.1	888.6	835.8	785.4
-82.5°	871.8	847.5	823.2	812.0	798.9	784.0	765.3	726.7	687.5	647.9	608.0
-85°	643.2	626.5	609.5	602.9	595.4	586.9	576.9	551.6	525.9	499.7	473.2
-87.5°	492.8	480.3	467.7	462.9	457.9	452.7	447.3	430.3	413.3	396.2	379.1
-90°	3.7	3.9	4.2	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.2



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	315.7	300.6	285.5	270.4	255.1	239.8	224.4	209.1	191.7	174.3	156.8
87.5°	11.4	12.1	12.7	13.3	13.0	12.7	12.4	12.1	12.6	13.0	13.1
85°	24.2	22.8	21.7	20.9	19.7	18.2	17.6	17.0	17.7	18.1	18.2
82.5°	43.8	40.0	36.4	33.5	32.6	31.2	29.3	26.9	25.5	23.8	23.3
80°	58.8	53.8	49.1	45.2	44.8	44.4	42.3	39.7	37.6	35.0	31.9
77.5°	74.6	67.7	60.9	56.0	54.4	53.0	51.8	51.4	49.8	46.3	42.1
75°	91.1	83.0	75.1	69.6	66.4	61.5	59.3	59.6	61.3	57.8	52.4
72.5°	108.0	99.5	90.1	84.8	83.1	78.7	71.5	68.8	73.3	71.7	63.9
70°	123.2	116.2	107.1	104.8	102.6	96.9	90.2	88.3	86.4	86.2	79.4
67.5°	137.1	130.9	122.9	126.2	125.9	120.6	110.4	111.4	110.7	101.8	95.4
65°	141.4	141.9	140.1	148.9	150.8	146.1	136.3	137.9	136.0	127.3	111.9
62.5°	145.9	149.9	156.8	173.0	177.9	174.1	165.4	171.1	164.1	153.5	134.8
60°	150.9	158.4	177.5	197.8	206.7	204.3	202.4	206.4	199.5	180.7	160.6
57.5°	167.4	170.8	205.0	228.4	238.3	237.2	243.8	247.6	236.6	214.9	187.5
55°	194.6	207.6	245.8	267.3	276.3	273.4	291.6	293.8	277.0	251.9	216.2
52.5°	247.9	277.6	310.6	322.2	323.6	324.2	349.0	343.4	325.0	290.0	252.3
50°	367.4	393.6	411.0	404.2	382.4	401.1	413.5	405.8	375.5	331.8	290.0
47.5°	619.7	608.9	563.9	514.9	475.6	491.7	499.0	474.7	428.5	380.5	328.5
45°	1008.2	918.4	797.6	692.6	609.2	618.4	599.9	549.1	497.0	433.1	367.9
42.5°	1430.7	1295.3	1141.5	893.8	815.1	765.8	711.8	649.2	569.6	487.5	412.4
40°	1926.8	1693.7	1515.7	1248.6	1034.5	926.9	855.8	760.5	645.7	546.8	460.8
37.5°	2395.7	2110.3	1887.2	1583.3	1276.4	1130.7	1011.9	879.7	727.1	612.9	509.8
35°	2829.0	2514.9	2204.2	1885.3	1564.7	1335.2	1177.0	1012.6	821.9	678.5	559.4
32.5°	3252.9	2887.9	2527.0	2170.1	1829.6	1539.9	1356.6	1129.7	912.8	743.3	609.3
30°	3688.9	3263.0	2848.4	2445.6	2076.3	1768.0	1518.7	1239.4	999.8	807.2	660.4
27.5°	4126.5	3633.1	3170.8	2729.4	2321.2	1976.9	1642.5	1341.7	1082.6	874.0	713.6
25°	4575.2	4023.2	3503.4	3013.1	2556.1	2137.7	1761.3	1436.9	1167.0	944.4	765.5
22.5°	5031.2	4418.8	3827.2	3289.5	2751.1	2299.7	1885.7	1537.0	1248.5	1011.0	815.7
20°	5460.4	4808.6	4130.2	3511.5	2943.6	2467.3	2018.1	1631.5	1323.7	1073.7	864.1
17.5°	5874.3	5159.2	4399.4	3728.7	3130.2	2621.3	2147.2	1719.9	1392.4	1132.4	910.6
15°	6302.7	5466.3	4659.8	3928.5	3300.4	2761.7	2271.5	1801.9	1454.9	1187.0	949.7
12.5°	6686.1	5764.7	4902.9	4109.9	3453.9	2888.5	2389.7	1877.1	1511.1	1235.1	980.2
10°	7027.4	6049.3	5125.8	4271.9	3590.2	3001.6	2500.3	1953.7	1577.2	1278.3	1008.5
7.5°	7326.1	6314.5	5325.7	4413.8	3710.4	3095.6	2584.1	2041.1	1642.7	1318.3	1034.3
5°	7571.7	6533.9	5517.7	4577.5	3821.6	3171.9	2648.2	2120.9	1704.4	1354.8	1057.3
2.5°	7732.0	6683.4	5689.7	4729.6	3916.9	3236.4	2697.0	2192.8	1761.2	1387.0	1077.0
0°	7850.3	6793.4	5829.2	4859.7	3994.3	3288.0	2732.6	2256.2	1812.0	1414.7	1093.2
-2.5°	8002.7	6901.1	5916.3	4962.8	4102.6	3379.4	2793.0	2296.3	1847.6	1449.2	1120.1
-5°	8107.7	6971.7	5973.0	5040.4	4190.1	3454.6	2841.4	2327.2	1876.1	1478.3	1142.8
-7.5°	8181.1	7028.6	6010.9	5091.9	4255.9	3511.6	2876.4	2348.8	1897.7	1501.8	1161.1
-10°	8209.3	7059.3	6031.3	5107.1	4276.5	3538.5	2897.1	2361.1	1912.3	1519.5	1174.8
-12.5°	8186.9	7044.7	6015.6	5094.7	4270.1	3537.9	2904.9	2370.7	1920.5	1531.1	1183.7
-15°	8113.7	6982.9	5962.6	5054.2	4240.4	3519.8	2899.8	2373.0	1923.8	1535.1	1187.5
-17.5°	7983.1	6872.8	5871.5	4985.5	4187.0	3484.0	2881.6	2364.2	1918.8	1530.7	1184.8
-20°	7798.6	6728.2	5747.2	4888.6	4109.7	3430.6	2850.4	2344.1	1905.1	1519.5	1176.1



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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°	7578.3	6563.9	5627.9	4779.4	4019.5	3359.7	2806.4	2312.3	1882.6	1501.4	1162.6
-25°	7320.4	6371.4	5477.1	4660.4	3925.1	3297.1	2755.7	2268.9	1851.2	1476.2	1144.5
-27.5°	7064.8	6157.4	5292.1	4517.8	3824.5	3220.9	2698.0	2226.2	1813.2	1444.0	1121.8
-30°	6797.0	5924.5	5104.6	4361.7	3704.0	3134.5	2626.6	2173.5	1771.2	1410.1	1094.3
-32.5°	6484.5	5655.0	4900.6	4210.2	3583.8	3030.0	2541.9	2110.2	1720.7	1373.8	1068.2
-35°	6141.3	5383.7	4676.7	4037.6	3449.8	2923.9	2451.3	2036.5	1661.7	1332.2	1039.8
-37.5°	5776.6	5095.1	4467.1	3854.8	3293.4	2802.6	2360.1	1959.9	1594.2	1285.4	1007.6
-40°	5436.8	4798.3	4215.6	3661.2	3137.7	2666.3	2257.5	1879.3	1531.0	1233.4	971.6
-42.5°	5073.8	4501.0	3958.7	3439.8	2972.8	2540.6	2145.8	1791.0	1468.3	1184.1	931.8
-45°	4726.1	4191.5	3689.9	3231.4	2797.3	2403.3	2039.7	1697.7	1398.1	1134.2	891.2
-47.5°	4364.1	3883.3	3429.4	3008.1	2631.8	2260.7	1925.7	1609.7	1320.6	1080.1	850.4
-50°	4014.0	3577.9	3170.6	2796.3	2446.6	2126.9	1807.0	1512.8	1251.1	1019.6	805.7
-52.5°	3661.0	3281.1	2919.3	2580.8	2274.7	1985.0	1688.0	1409.6	1175.6	958.4	757.1
-55°	3317.1	2995.4	2671.2	2374.4	2097.8	1835.1	1559.4	1316.6	1094.2	894.5	705.9
-57.5°	2996.1	2710.4	2434.5	2168.8	1916.1	1672.9	1437.9	1217.2	1013.6	826.4	660.2
-60°	2679.2	2442.4	2198.0	1960.3	1729.3	1516.9	1318.0	1114.7	929.9	756.8	610.2
-62.5°	2388.0	2174.2	1963.7	1747.4	1551.4	1369.8	1193.7	1013.5	841.7	693.8	557.0
-65°	2104.1	1916.2	1726.0	1552.1	1382.2	1221.2	1071.0	907.4	761.3	627.6	505.1
-67.5°	1827.0	1670.7	1515.4	1359.8	1218.3	1080.4	942.9	809.3	680.7	558.6	460.5
-70°	1576.0	1437.2	1309.8	1186.1	1061.2	939.1	828.4	712.6	596.9	503.2	414.2
-72.5°	1337.0	1228.6	1121.4	1013.7	913.7	814.0	714.6	617.5	530.2	446.4	366.4
-75°	1112.5	1028.7	946.7	862.7	774.4	687.7	613.2	539.0	461.9	387.9	326.1
-77.5°	917.3	848.3	779.5	715.6	648.7	583.7	520.8	458.5	396.1	340.5	287.8
-80°	735.4	685.4	635.3	584.5	530.3	478.0	433.9	389.5	340.3	293.3	248.5
-82.5°	569.0	534.9	501.9	468.2	431.5	395.1	359.2	323.3	283.4	245.1	215.6
-85°	447.3	421.1	394.5	367.6	339.3	311.4	290.8	269.9	245.2	220.6	196.4
-87.5°	362.4	345.6	328.6	311.4	293.6	275.7	257.8	239.7	218.6	197.6	176.7
-90°	6.5	6.8	7.0	7.3	7.3	7.3	7.3	7.3	7.6	7.8	8.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	139.4	115.5	91.6	67.6	43.7	25.5	7.3
87.5°	13.1	12.7	12.2	11.5	10.6	9.2	7.3
85°	18.0	17.2	16.1	14.6	12.8	10.7	7.3
82.5°	22.9	21.6	19.9	17.8	15.1	12.1	7.3
80°	28.3	26.1	23.8	20.9	17.4	13.6	7.3
77.5°	37.6	32.3	27.7	24.0	19.7	15.0	7.3
75°	47.2	42.0	32.5	27.2	22.0	16.5	7.3
72.5°	57.0	51.7	41.5	30.3	24.3	17.9	7.3
70°	67.9	61.6	50.6	34.3	26.6	19.3	7.3
67.5°	84.5	71.6	59.8	41.9	28.9	20.7	7.3
65°	101.6	84.8	69.0	49.6	31.3	22.1	7.3
62.5°	119.2	101.2	78.3	57.2	33.7	23.5	7.3
60°	137.2	117.7	87.6	64.8	36.1	24.8	7.3
57.5°	162.1	134.6	101.9	72.4	41.6	26.2	7.3
55°	188.3	151.7	116.4	80.0	47.1	27.5	7.3
52.5°	214.9	170.0	131.0	87.5	52.5	28.8	7.3
50°	242.0	193.4	145.6	95.0	57.8	30.1	7.3
47.5°	270.5	216.8	160.2	103.3	63.0	31.4	7.3
45°	304.5	240.3	174.8	114.3	68.1	32.7	7.3
42.5°	338.8	263.9	189.4	125.2	73.1	33.9	7.3
40°	373.2	287.5	205.9	135.9	78.0	35.1	7.3
37.5°	407.8	311.0	224.3	146.4	82.7	36.2	7.3
35°	442.4	337.3	242.3	156.5	87.2	37.4	7.3
32.5°	478.8	364.8	259.9	166.2	91.6	38.4	7.3
30°	519.3	391.8	277.2	175.6	95.9	39.5	7.3
27.5°	559.3	418.2	292.9	184.5	99.9	40.5	7.3
25°	598.6	444.0	307.7	193.0	103.7	41.4	7.3
22.5°	637.1	467.8	321.8	201.1	107.4	42.3	7.3
20°	674.6	487.5	335.1	208.6	110.8	43.2	7.3
17.5°	703.9	505.8	347.4	215.7	114.0	44.0	7.3
15°	726.8	522.6	358.9	222.2	116.9	44.7	7.3
12.5°	747.0	537.8	369.3	228.1	119.6	45.4	7.3
10°	764.5	551.3	378.8	233.5	122.1	46.0	7.3
7.5°	779.4	563.2	387.2	238.2	124.2	46.6	7.3
5°	791.6	573.4	394.5	242.3	126.1	47.1	7.3
2.5°	801.2	581.9	400.7	245.8	127.7	47.5	7.3
0°	808.2	588.7	405.7	248.6	129.0	47.8	7.3
-2.5°	827.6	599.7	412.3	252.4	131.0	48.7	7.3
-5°	844.2	608.8	417.7	255.4	132.7	49.6	7.3
-7.5°	857.8	615.9	421.7	257.7	134.0	50.4	7.3
-10°	867.9	621.0	424.4	259.3	135.0	51.1	7.3
-12.5°	874.6	623.9	425.7	260.1	135.7	51.7	7.3
-15°	877.4	624.6	425.6	260.1	136.1	52.2	7.3
-17.5°	876.2	623.0	423.9	259.3	136.1	52.6	7.3
-20°	871.4	619.0	420.8	257.8	135.8	52.9	7.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	863.7	612.6	416.1	255.4	135.1	53.2	7.3
-25°	852.7	606.3	409.9	252.1	134.1	53.3	7.3
-27.5°	838.2	598.5	402.2	248.1	132.8	53.4	7.3
-30°	820.5	588.2	393.1	243.2	131.1	53.3	7.3
-32.5°	799.3	575.2	384.8	237.5	129.1	53.1	7.3
-35°	779.6	559.5	374.9	231.0	126.8	52.9	7.3
-37.5°	758.5	542.8	363.3	223.6	124.2	52.5	7.3
-40°	734.0	526.6	350.1	215.5	121.2	52.1	7.3
-42.5°	706.1	508.3	337.8	207.1	117.9	51.5	7.3
-45°	674.9	487.7	326.7	198.8	114.3	50.9	7.3
-47.5°	640.4	465.0	314.4	189.6	110.4	50.2	7.3
-50°	609.1	440.2	300.7	183.1	106.2	49.3	7.3
-52.5°	576.1	413.4	285.9	177.1	101.7	48.4	7.3
-55°	540.7	391.3	269.8	170.4	96.9	47.4	7.3
-57.5°	502.7	368.9	252.6	163.0	91.8	46.3	7.3
-60°	463.6	345.0	234.6	155.1	86.6	45.1	7.3
-62.5°	431.7	319.6	222.1	146.5	83.8	43.9	7.3
-65°	398.0	292.8	208.8	137.4	80.9	42.5	7.3
-67.5°	362.6	269.1	194.6	127.8	77.8	41.1	7.3
-70°	325.7	248.6	179.7	117.7	74.6	39.6	7.3
-72.5°	296.3	227.1	164.0	111.4	71.2	38.0	7.3
-75°	267.0	204.8	147.8	105.8	67.6	36.4	7.3
-77.5°	236.7	181.6	137.9	100.0	63.9	34.7	7.3
-80°	205.4	165.7	129.2	93.9	60.1	33.0	7.3
-82.5°	188.0	153.6	120.1	87.6	56.1	31.2	7.3
-85°	172.2	141.2	110.8	81.1	52.1	29.3	7.3
-87.5°	156.0	128.5	101.3	74.4	47.9	27.4	7.3
-90°	8.3	8.3	8.3	8.3	8.3	7.8	7.3

(END OF REPORT)