

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: P1306012 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-70-7F-VHE-A**

Issue Date: 2/3/2026

**Test Information**

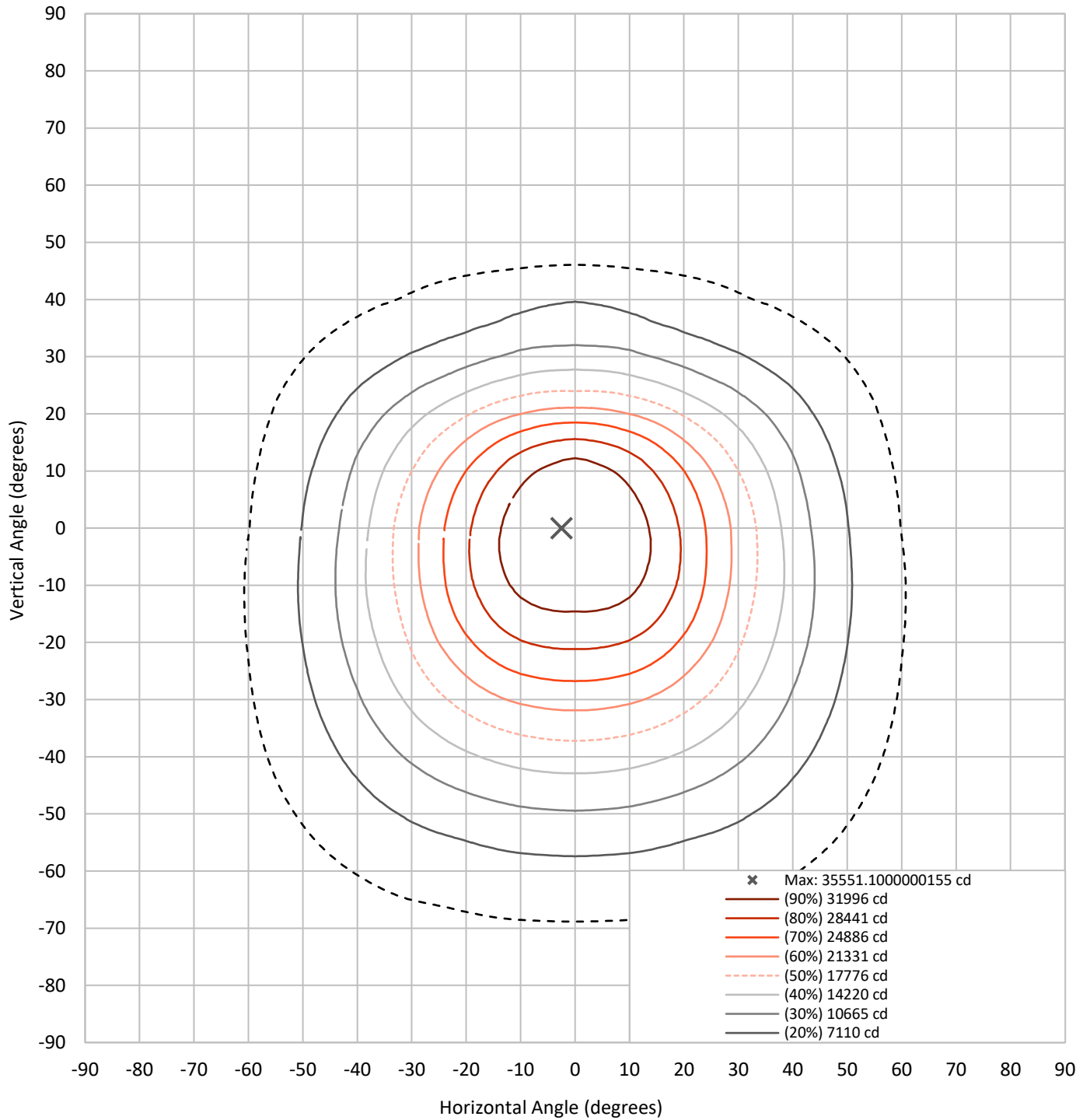
Test Method: LM-79-08  
Report Number: P1306012 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320N-40-70-7F-VHE-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 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:	47296 lumens	Max Intensity:	35551.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	141.6 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:	25679.5 lumens	Field Lumens:	44320.7 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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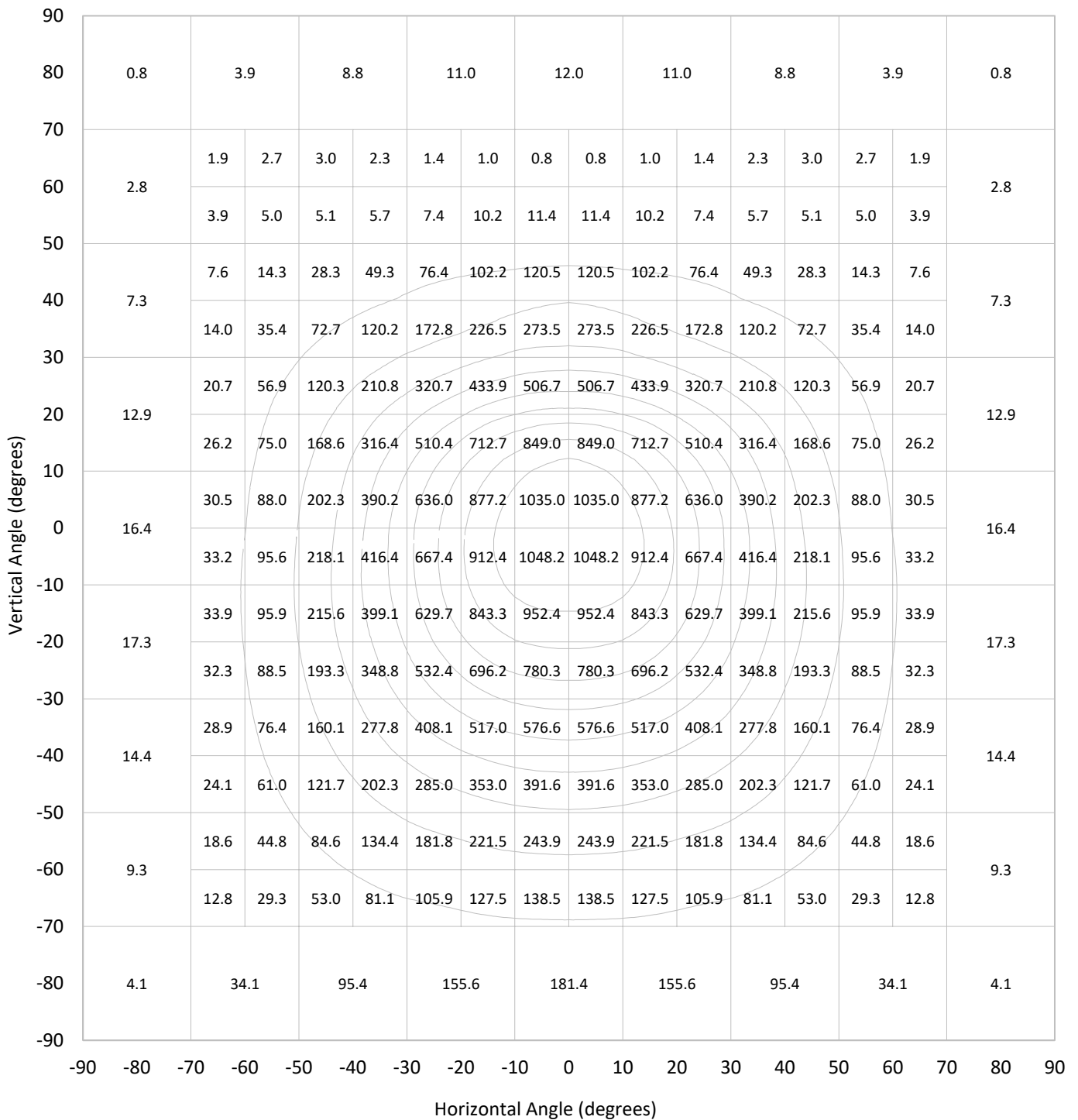
### Iso-Candela Plot





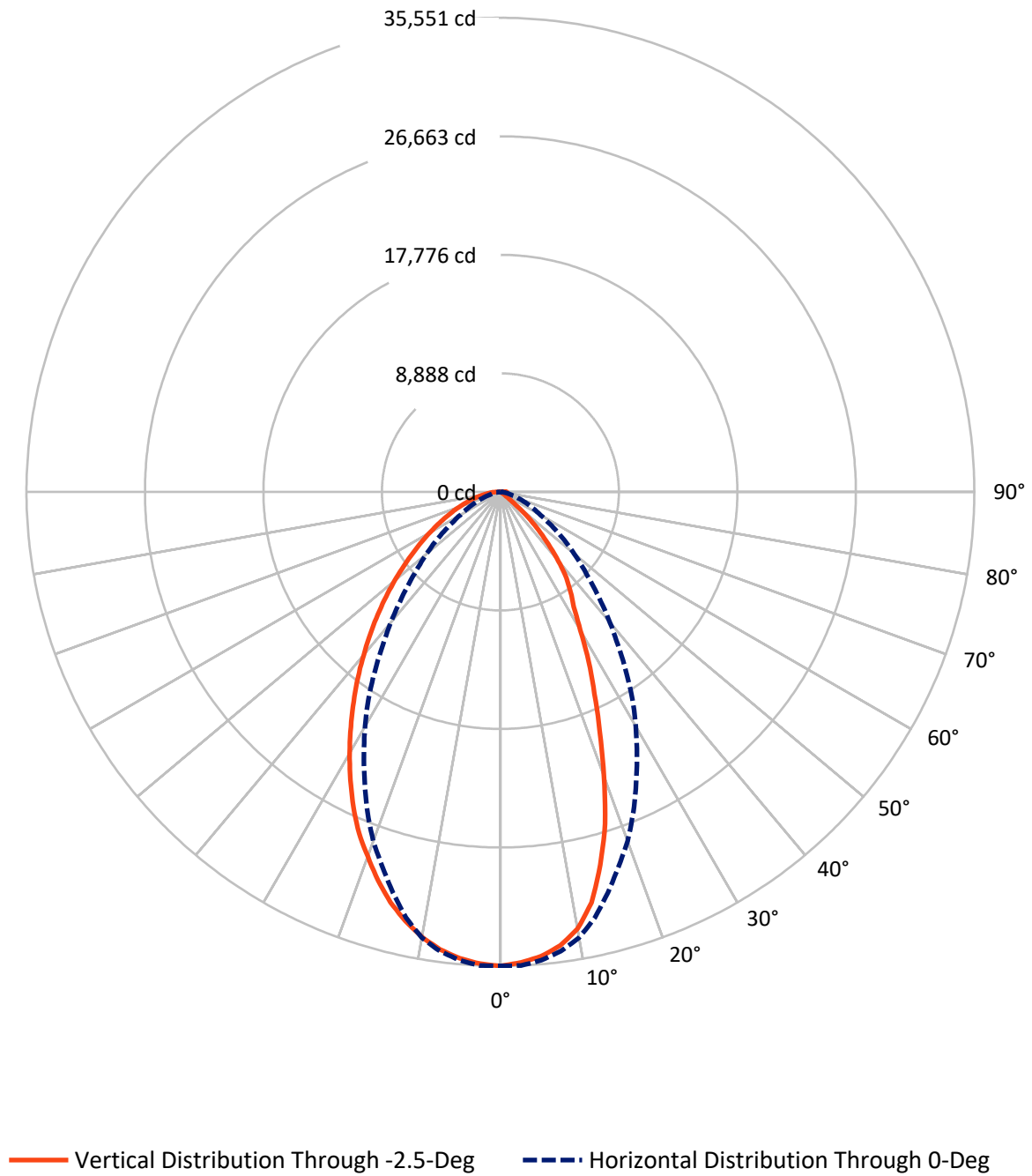
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### Lumen Table



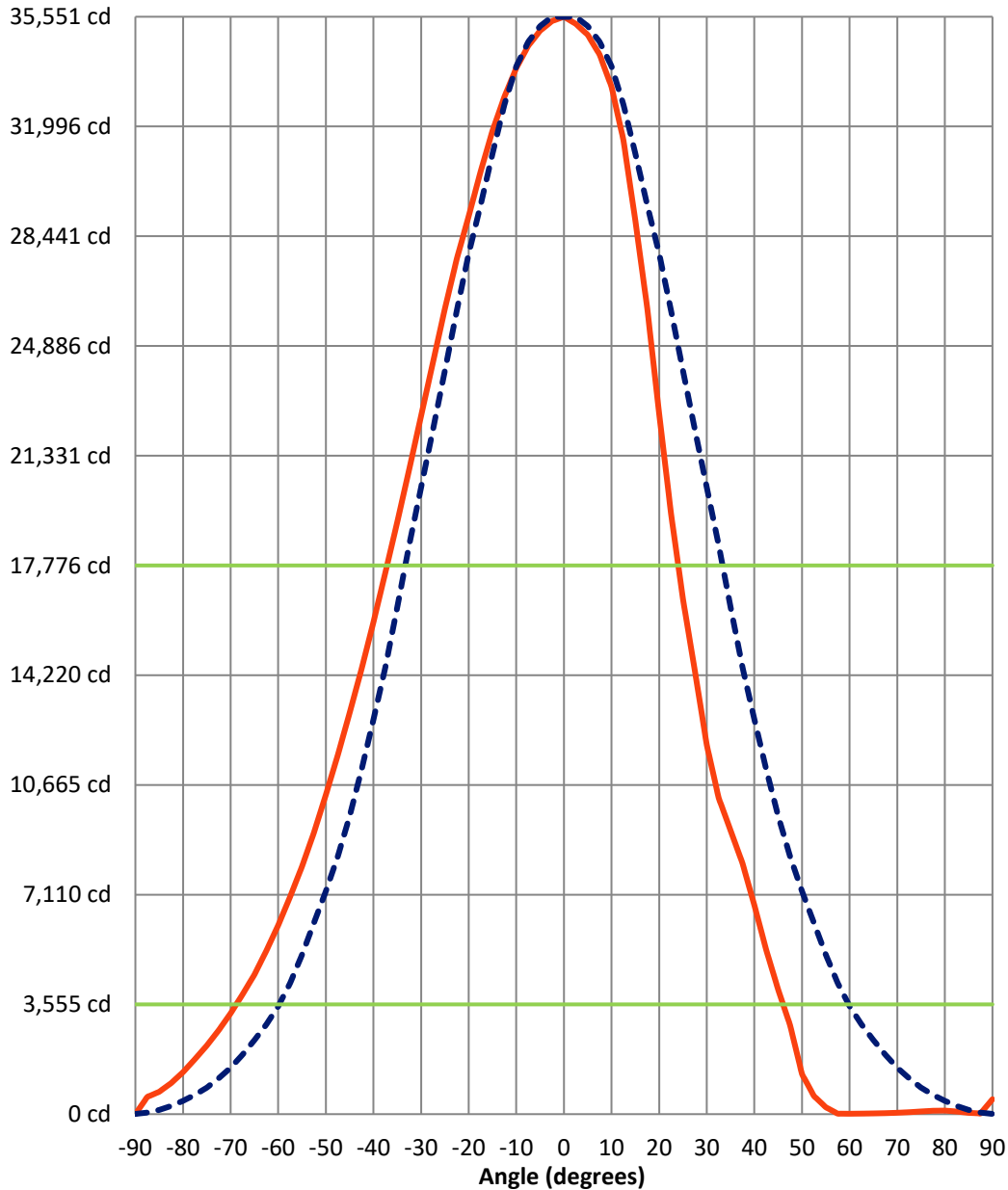
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 66.6°  
 V Angle: 61.2°  
 Lumens: 25679.5  
 Efficiency: 54.3%

**Field:**  
 H Angle: 119.6°  
 V Angle: 114.9°  
 Lumens: 44320.7  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 2975.4  
 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°	7.7	27.1	46.4	71.9	97.3	122.8	148.2	166.7	185.3	203.8	222.3
87.5°	7.7	9.8	11.2	12.2	12.9	13.5	14.0	14.0	13.8	13.4	12.9
85°	7.7	11.3	13.6	15.5	17.1	18.3	19.2	19.4	19.3	18.8	18.1
82.5°	7.7	12.9	16.0	18.9	21.2	23.0	24.4	24.9	25.3	27.2	28.6
80°	7.7	14.4	18.5	22.2	25.4	27.8	30.1	34.0	37.3	40.0	42.3
77.5°	7.7	15.9	20.9	25.6	29.5	34.5	40.1	44.9	49.2	52.9	54.6
75°	7.7	17.5	23.4	28.9	34.6	44.7	50.3	55.8	61.4	65.2	63.4
72.5°	7.7	19.0	25.8	32.2	44.2	55.0	60.7	68.0	76.2	77.9	73.1
70°	7.7	20.5	28.3	36.5	53.9	65.5	72.3	84.5	91.7	91.8	93.9
67.5°	7.7	22.0	30.8	44.6	63.6	76.2	89.9	101.4	108.2	117.7	118.4
65°	7.7	23.5	33.3	52.8	73.4	90.2	108.1	119.0	135.3	144.6	146.6
62.5°	7.7	25.0	35.8	60.9	83.2	107.6	126.7	143.3	163.2	174.5	181.9
60°	7.7	26.4	38.4	69.0	93.2	125.2	145.9	170.8	192.1	212.1	219.4
57.5°	7.7	27.9	44.3	77.0	108.3	143.1	172.3	199.3	228.5	251.6	263.3
55°	7.7	29.3	50.1	85.0	123.8	161.3	200.1	229.8	267.8	294.5	312.4
52.5°	7.7	30.7	55.9	93.0	139.3	180.7	228.5	268.2	308.4	345.5	365.1
50°	7.7	32.1	61.5	101.0	154.8	205.6	257.3	308.3	352.8	399.2	431.4
47.5°	7.7	33.4	67.0	109.8	170.3	230.5	287.5	349.3	404.5	455.6	504.6
45°	7.7	34.8	72.5	121.5	185.9	255.5	323.7	391.1	460.5	528.4	583.8
42.5°	7.7	36.1	77.8	133.1	201.3	280.6	360.2	438.4	518.3	605.6	690.2
40°	7.7	37.3	82.9	144.5	218.9	305.7	396.8	489.9	581.3	686.5	808.5
37.5°	7.7	38.6	87.9	155.6	238.4	330.7	433.6	542.0	651.6	773.0	935.2
35°	7.7	39.8	92.8	166.4	257.6	358.7	470.3	594.7	721.3	873.8	1076.5
32.5°	7.7	40.9	97.4	176.7	276.3	387.9	509.0	647.8	790.3	970.5	1200.9
30°	7.7	42.0	101.9	186.7	294.7	416.5	552.0	702.1	858.2	1062.9	1317.6
27.5°	7.7	43.1	106.2	196.2	311.4	444.6	594.6	758.7	929.2	1150.9	1426.3
25°	7.7	44.1	110.3	205.2	327.2	472.0	636.4	813.8	1004.1	1240.7	1527.6
22.5°	7.7	45.1	114.1	213.8	342.1	497.3	677.3	867.2	1074.8	1327.3	1634.0
20°	7.7	46.0	117.8	221.8	356.2	518.3	717.1	918.7	1141.5	1407.2	1734.5
17.5°	7.7	46.8	121.2	229.3	369.4	537.8	748.4	968.1	1203.9	1480.3	1828.5
15°	7.7	47.6	124.3	236.2	381.5	555.6	772.7	1009.6	1261.9	1546.7	1915.6
12.5°	7.7	48.4	127.2	242.5	392.7	571.7	794.2	1042.1	1313.1	1606.5	1995.6
10°	7.7	49.0	129.7	248.2	402.7	586.1	812.8	1072.2	1359.0	1676.8	2077.1
7.5°	7.7	49.6	132.0	253.2	411.6	598.8	828.6	1099.7	1401.6	1746.4	2169.9
5°	7.7	50.1	134.0	257.6	419.4	609.7	841.6	1124.1	1440.3	1812.0	2254.8
2.5°	7.7	50.5	135.7	261.3	426.0	618.7	851.8	1145.1	1474.6	1872.4	2331.2
0°	7.7	50.9	137.1	264.3	431.3	625.9	859.3	1162.3	1504.0	1926.4	2398.6
-2.5°	7.7	51.9	139.2	268.3	438.3	637.6	880.0	1190.9	1540.7	1964.3	2441.2
-5°	7.7	52.8	141.0	271.5	444.0	647.2	897.6	1215.0	1571.6	1994.6	2474.1
-7.5°	7.7	53.6	142.4	274.0	448.4	654.8	912.0	1234.4	1596.7	2017.5	2497.1
-10°	7.7	54.4	143.5	275.7	451.2	660.2	922.8	1249.0	1615.5	2033.0	2510.1
-12.5°	7.7	55.0	144.2	276.5	452.6	663.3	929.8	1258.4	1627.8	2041.7	2520.4
-15°	7.7	55.5	144.6	276.6	452.4	664.0	932.8	1262.5	1632.1	2045.3	2522.9
-17.5°	7.7	56.0	144.6	275.7	450.7	662.3	931.5	1259.6	1627.4	2040.0	2513.5
-20°	7.7	56.3	144.3	274.1	447.4	658.1	926.4	1250.3	1615.5	2025.4	2492.1



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 CATALOG NUMBER: EPH-08-320N-40-70-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.7	56.6	143.6	271.5	442.4	651.3	918.2	1236.0	1596.2	2001.5	2458.3
-25°	7.7	56.7	142.6	268.1	435.8	644.6	906.5	1216.8	1569.5	1968.0	2412.1
-27.5°	7.7	56.8	141.2	263.8	427.6	636.3	891.1	1192.6	1535.2	1927.6	2366.8
-30°	7.7	56.7	139.4	258.6	417.9	625.3	872.2	1163.4	1499.1	1883.0	2310.7
-32.5°	7.7	56.5	137.3	252.5	409.1	611.5	849.8	1135.6	1460.5	1829.3	2243.5
-35°	7.7	56.3	134.8	245.6	398.6	594.8	828.8	1105.5	1416.3	1766.6	2165.0
-37.5°	7.7	55.9	132.0	237.8	386.3	577.1	806.4	1071.2	1366.5	1694.8	2083.6
-40°	7.7	55.4	128.8	229.1	372.2	559.9	780.3	1032.9	1311.3	1627.6	1997.9
-42.5°	7.7	54.8	125.3	220.1	359.2	540.4	750.6	990.6	1258.9	1561.0	1904.1
-45°	7.7	54.1	121.5	211.3	347.4	518.5	717.5	947.4	1205.8	1486.4	1804.9
-47.5°	7.7	53.3	117.3	201.5	334.2	494.4	680.8	904.1	1148.3	1404.0	1711.3
-50°	7.7	52.5	112.8	194.6	319.7	468.0	647.5	856.6	1083.9	1330.1	1608.4
-52.5°	7.7	51.5	108.1	188.2	303.9	439.5	612.5	804.9	1018.8	1249.8	1498.6
-55°	7.7	50.4	103.0	181.1	286.8	416.0	574.8	750.4	950.9	1163.3	1399.8
-57.5°	7.7	49.2	97.6	173.3	268.5	392.2	534.4	701.9	878.6	1077.6	1294.0
-60°	7.7	48.0	92.0	164.8	249.4	366.8	492.9	648.8	804.6	988.6	1185.1
-62.5°	7.7	46.6	89.1	155.7	236.1	339.7	459.0	592.2	737.6	894.8	1077.5
-65°	7.7	45.2	86.0	146.0	221.9	311.3	423.1	537.0	667.2	809.4	964.7
-67.5°	7.7	43.7	82.7	135.8	206.9	286.0	385.5	489.6	593.8	723.6	860.4
-70°	7.7	42.1	79.2	125.0	191.0	264.3	346.2	440.4	535.0	634.5	757.6
-72.5°	7.7	40.4	75.6	118.3	174.3	241.4	315.0	389.5	474.6	563.6	656.4
-75°	7.7	38.7	71.8	112.4	157.0	217.6	283.8	346.6	412.4	491.1	573.0
-77.5°	7.7	36.9	67.9	106.2	146.5	193.0	251.6	305.9	362.0	421.1	487.4
-80°	7.7	35.0	63.8	99.8	137.3	176.1	218.3	264.2	311.8	361.8	414.0
-82.5°	7.7	33.1	59.6	93.1	127.7	163.3	199.8	229.2	260.5	301.2	343.7
-85°	7.7	31.1	55.3	86.2	117.8	150.1	183.0	208.7	234.5	260.6	287.0
-87.5°	7.7	29.1	50.9	79.1	107.7	136.6	165.8	187.9	210.1	232.4	254.8
-90°	7.7	8.3	8.8	8.8	8.8	8.8	8.8	8.5	8.3	8.0	7.7



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 CATALOG NUMBER: EPH-08-320N-40-70-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	238.6	254.9	271.2	287.5	303.6	319.6	335.7	351.7	366.6	381.6	396.5
87.5°	13.2	13.5	13.8	14.1	13.5	12.9	12.2	11.3	12.3	13.3	14.4
85°	18.7	19.3	21.0	22.2	23.1	24.3	25.7	27.5	30.7	34.0	37.1
82.5°	31.1	33.2	34.7	35.6	38.7	42.5	46.6	50.5	54.1	57.6	60.9
80°	45.0	47.2	47.6	48.1	52.2	57.2	62.5	68.0	72.5	76.5	80.3
77.5°	55.1	56.3	57.8	59.4	64.7	72.0	79.2	86.6	92.0	96.3	100.2
75°	63.1	65.4	70.6	73.9	79.8	88.3	96.8	105.0	110.4	113.4	115.3
72.5°	76.0	83.6	88.3	90.1	95.8	105.8	114.8	122.8	127.0	126.4	123.8
70°	95.9	103.0	109.1	111.4	113.9	123.6	131.0	136.7	139.2	134.2	124.2
67.5°	117.4	128.2	133.8	134.1	130.7	139.2	145.7	144.9	140.5	129.5	116.5
65°	144.9	155.3	160.3	158.3	148.9	150.8	150.4	146.4	136.3	121.3	105.7
62.5°	175.8	185.1	189.1	183.9	166.7	159.3	155.1	145.0	129.6	114.9	100.1
60°	215.1	217.2	219.8	210.4	188.8	168.4	160.4	150.3	133.8	113.6	101.4
57.5°	259.3	252.1	253.3	242.8	217.9	181.6	178.0	165.1	151.2	124.6	112.1
55°	310.1	290.7	293.7	284.1	261.3	220.6	206.8	205.0	185.5	164.5	141.5
52.5°	371.1	344.7	344.1	342.5	330.2	295.1	263.5	285.5	297.8	274.4	289.3
50°	439.6	426.4	406.6	429.7	436.9	418.4	390.6	452.0	526.0	559.9	559.0
47.5°	530.6	522.8	505.7	547.4	599.5	647.3	658.8	769.8	881.8	1005.7	1020.4
45°	637.7	657.5	647.7	736.3	847.9	976.4	1071.9	1179.5	1434.6	1582.5	1801.8
42.5°	756.7	814.2	866.5	950.2	1213.6	1377.1	1521.1	1791.2	2044.9	2259.5	2486.0
40°	909.8	985.4	1099.8	1327.4	1611.4	1800.6	2048.4	2356.3	2613.3	2855.5	3087.4
37.5°	1075.8	1202.1	1357.0	1683.3	2006.4	2243.5	2546.9	2852.3	3144.4	3416.2	3740.4
35°	1251.2	1419.5	1663.5	2004.4	2343.4	2673.7	3007.6	3347.8	3681.1	4053.6	4418.2
32.5°	1442.2	1637.2	1945.1	2307.1	2686.6	3070.3	3458.4	3855.4	4279.1	4713.4	5100.2
30°	1614.6	1879.7	2207.4	2600.0	3028.3	3469.1	3921.8	4378.7	4899.0	5413.1	5877.1
27.5°	1746.2	2101.8	2467.8	2901.8	3371.0	3862.5	4387.0	4953.3	5559.0	6148.3	6699.1
25°	1872.5	2272.7	2717.5	3203.4	3724.7	4277.3	4864.0	5497.9	6241.3	6931.7	7618.7
22.5°	2004.8	2444.8	2924.8	3497.3	4068.9	4697.8	5348.9	6078.4	6899.9	7716.0	8551.0
20°	2145.6	2623.0	3129.5	3733.2	4391.1	5112.1	5805.2	6654.3	7568.1	8516.6	9535.1
17.5°	2282.8	2786.8	3327.9	3964.2	4677.2	5484.8	6245.2	7211.8	8224.4	9309.2	10461.2
15°	2415.0	2936.1	3508.8	4176.6	4954.0	5811.4	6700.6	7759.7	8892.2	10089.9	11299.6
12.5°	2540.6	3070.8	3672.0	4369.4	5212.4	6128.7	7108.2	8222.1	9462.6	10786.4	12105.0
10°	2658.1	3191.1	3816.9	4541.7	5449.4	6431.2	7471.0	8635.5	9925.2	11289.2	12759.9
7.5°	2747.2	3291.0	3944.7	4692.5	5661.9	6713.2	7788.6	8997.7	10316.2	11736.8	13317.8
5°	2815.4	3372.2	4062.9	4866.5	5866.0	6946.5	8049.7	9306.5	10636.7	12121.9	13799.5
2.5°	2867.3	3440.8	4164.2	5028.3	6048.8	7105.4	8220.1	9509.1	10925.0	12481.6	14191.0
0°	2905.1	3495.6	4246.5	5166.6	6197.2	7222.4	8345.9	9656.3	11159.2	12785.9	14480.1
-2.5°	2969.3	3592.8	4361.6	5276.2	6289.8	7336.9	8508.0	9861.3	11381.4	12977.9	14729.3
-5°	3020.7	3672.8	4454.7	5358.6	6350.1	7411.8	8619.6	10003.8	11526.8	13107.2	14858.0
-7.5°	3058.0	3733.3	4524.5	5413.3	6390.3	7472.4	8697.7	10074.8	11581.2	13184.4	14878.2
-10°	3080.0	3761.9	4546.5	5429.5	6412.1	7505.0	8727.6	10085.2	11565.0	13166.3	14823.1
-12.5°	3088.3	3761.2	4539.7	5416.3	6395.4	7489.5	8703.9	10036.0	11479.7	13049.3	14682.6
-15°	3082.8	3742.0	4508.1	5373.3	6339.1	7423.8	8626.0	9928.4	11321.4	12811.0	14398.2
-17.5°	3063.5	3704.0	4451.4	5300.3	6242.3	7306.8	8487.1	9729.4	11094.1	12535.8	14037.0
-20°	3030.4	3647.2	4369.3	5197.3	6110.1	7153.1	8291.0	9493.5	10804.4	12207.4	13632.3



REPORT NUMBER: P1306012 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-70-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2983.5	3571.8	4273.3	5081.1	5983.2	6978.3	8056.8	9209.8	10435.4	11815.5	13173.4
-25°	2929.7	3505.2	4172.9	4954.7	5822.9	6773.7	7782.6	8885.0	10041.8	11333.4	12647.9
-27.5°	2868.3	3424.3	4066.0	4803.1	5626.2	6546.2	7510.8	8545.7	9641.0	10802.4	12062.7
-30°	2792.4	3332.4	3937.9	4637.1	5426.9	6298.6	7226.1	8161.6	9199.2	10294.2	11449.4
-32.5°	2702.3	3221.3	3810.1	4476.0	5210.0	6012.0	6893.9	7783.4	8740.7	9754.2	10824.8
-35°	2606.0	3108.5	3667.7	4292.5	4972.0	5723.6	6529.1	7375.2	8255.6	9207.9	10149.7
-37.5°	2509.1	2979.5	3501.4	4098.2	4749.1	5416.8	6141.2	6946.2	7771.3	8613.2	9478.1
-40°	2400.0	2834.7	3335.9	3892.3	4481.7	5101.3	5780.1	6498.6	7265.6	8025.2	8800.5
-42.5°	2281.2	2701.0	3160.5	3657.1	4208.6	4785.2	5394.2	6066.6	6735.2	7425.0	8140.8
-45°	2168.5	2555.0	2973.9	3435.4	3922.9	4456.1	5024.5	5612.3	6214.1	6823.7	7475.4
-47.5°	2047.3	2403.4	2797.9	3198.0	3645.9	4128.5	4639.6	5168.5	5689.8	6248.8	6805.8
-50°	1921.1	2261.2	2601.1	2972.8	3370.7	3803.8	4267.4	4723.4	5200.1	5684.2	6186.3
-52.5°	1794.5	2110.4	2418.3	2743.7	3103.6	3488.2	3892.2	4299.6	4723.2	5149.3	5579.6
-55°	1657.9	1951.0	2230.3	2524.3	2839.9	3184.5	3526.5	3893.0	4260.2	4650.1	5003.6
-57.5°	1528.6	1778.5	2037.2	2305.7	2588.2	2881.5	3185.2	3491.9	3826.1	4162.3	4465.2
-60°	1401.2	1612.7	1838.5	2084.1	2336.9	2596.6	2848.4	3122.1	3404.8	3680.1	3957.3
-62.5°	1269.1	1456.3	1649.4	1857.7	2087.7	2311.6	2538.8	2769.4	2999.7	3244.0	3478.3
-65°	1138.6	1298.3	1469.6	1650.1	1835.0	2037.2	2237.0	2431.8	2637.5	2837.4	3031.6
-67.5°	1002.4	1148.7	1295.3	1445.7	1611.1	1776.2	1942.3	2121.3	2295.0	2458.4	2623.0
-70°	880.7	998.4	1128.2	1261.0	1392.6	1528.0	1675.5	1823.4	1968.6	2107.8	2250.3
-72.5°	759.7	865.3	971.4	1077.7	1192.1	1306.2	1421.4	1537.4	1658.8	1780.3	1898.4
-75°	651.9	731.1	823.3	917.1	1006.4	1093.6	1182.7	1281.4	1378.4	1473.7	1568.2
-77.5°	553.7	620.5	689.6	760.8	828.8	901.8	975.2	1048.7	1121.1	1192.0	1261.4
-80°	461.3	508.1	563.7	621.4	675.4	728.6	781.9	835.0	888.6	944.7	1002.6
-82.5°	381.8	420.0	458.7	497.7	533.6	568.7	605.0	646.4	688.8	730.9	772.6
-85°	309.2	331.1	360.7	390.8	419.4	447.7	475.6	503.0	531.2	559.1	586.4
-87.5°	274.1	293.2	312.2	331.1	349.3	367.4	385.3	403.1	421.2	439.4	457.5
-90°	7.7	7.7	7.7	7.7	7.4	7.2	6.9	6.6	6.3	6.1	5.8



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	411.4	416.1	420.8	425.5	430.2	441.3	452.3	463.4	474.4	476.9	479.4
87.5°	15.5	15.5	15.5	15.5	15.5	17.9	20.5	23.1	25.7	25.4	25.1
85°	40.2	40.8	41.0	41.1	40.9	44.3	47.7	51.1	54.3	52.1	49.6
82.5°	64.0	65.2	66.3	67.5	68.7	72.2	75.7	79.0	82.1	83.2	84.1
80°	83.8	86.0	87.6	88.9	89.9	92.9	96.1	99.2	102.2	105.3	108.4
77.5°	103.0	103.7	103.3	102.3	100.7	101.1	101.9	102.2	102.3	103.9	105.8
75°	116.3	114.8	110.2	105.0	99.1	95.5	92.9	90.1	87.2	86.7	86.9
72.5°	119.3	113.2	105.7	96.5	87.3	80.9	76.6	72.5	68.5	66.6	65.4
70°	112.9	101.3	91.3	81.3	71.6	64.4	60.1	56.2	52.6	50.3	48.7
67.5°	101.7	87.3	76.8	66.5	57.0	49.6	45.9	42.4	39.3	37.0	35.3
65°	90.3	75.0	64.8	55.0	45.4	38.1	35.2	32.3	29.6	27.5	26.3
62.5°	83.9	67.9	57.4	48.8	40.1	31.6	28.6	25.7	22.8	20.6	19.6
60°	86.2	68.0	55.2	47.2	38.2	28.4	24.7	22.0	19.1	16.4	15.5
57.5°	99.7	79.9	60.7	57.5	48.4	33.9	35.3	41.1	36.8	25.4	24.1
55°	152.6	147.6	96.6	125.0	145.4	137.0	127.9	169.4	189.6	190.6	209.4
52.5°	303.1	338.9	325.6	341.1	425.2	459.2	454.7	528.8	567.2	562.0	582.0
50°	638.3	711.5	801.7	816.2	957.3	1055.1	1078.7	1164.5	1259.7	1296.2	1337.2
47.5°	1245.7	1417.3	1504.3	1602.5	1764.9	1942.8	2080.6	2204.1	2337.9	2429.4	2539.8
45°	2029.1	2150.4	2301.9	2529.9	2777.7	3009.9	3228.0	3426.8	3557.9	3674.7	3798.8
42.5°	2673.6	2867.3	3121.4	3461.6	3814.2	4052.6	4232.0	4423.5	4628.3	4822.9	5002.4
40°	3333.6	3558.0	3961.2	4346.7	4609.8	4839.8	5085.4	5345.4	5613.1	5868.5	6122.4
37.5°	4040.8	4372.6	4725.7	5062.6	5341.0	5558.6	5895.2	6183.1	6451.3	6831.6	7180.4
35°	4793.5	5154.0	5457.4	5842.8	6154.1	6422.4	6774.6	7137.2	7369.4	7891.1	8342.7
32.5°	5542.3	5962.5	6367.0	6733.0	7119.2	7533.0	7875.8	8373.2	8751.6	9250.6	9741.1
30°	6322.5	6898.5	7403.4	7805.1	8331.2	8866.2	9347.1	9932.8	10490.6	10955.0	11474.9
27.5°	7307.0	7947.4	8563.2	9182.1	9744.2	10412.2	11177.7	11797.3	12511.4	13017.7	13561.5
25°	8351.5	9114.4	9933.5	10731.3	11468.6	12332.9	13200.7	13957.7	14697.9	15281.3	15862.3
22.5°	9487.3	10409.9	11384.7	12389.0	13385.9	14332.7	15264.2	16201.1	17054.2	17856.1	18414.7
20°	10640.8	11665.3	12849.1	14059.1	15207.0	16275.7	17395.1	18579.8	19663.9	20593.1	21281.3
17.5°	11681.4	12966.5	14268.5	15596.1	16890.6	18211.4	19600.3	20993.6	22277.1	23365.5	24279.1
15°	12618.8	14074.8	15582.1	17080.0	18568.7	20089.3	21712.2	23213.4	24652.1	25900.2	26968.5
12.5°	13543.2	15098.3	16714.0	18393.5	20158.4	21804.9	23457.2	25076.0	26583.6	28034.5	29104.7
10°	14361.3	16040.5	17770.3	19570.0	21397.9	23184.2	24925.8	26613.3	28094.6	29464.6	30759.2
7.5°	15027.9	16828.8	18675.0	20567.9	22449.2	24258.0	26031.8	27718.1	29221.6	30625.6	31949.5
5°	15602.9	17512.9	19418.3	21304.6	23197.6	25073.7	26864.6	28527.3	30093.4	31552.3	32879.1
2.5°	16072.1	18063.7	19994.3	21852.2	23737.5	25657.9	27494.0	29100.3	30737.4	32221.2	33527.1
0°	16424.2	18434.6	20303.5	22178.0	24086.7	26028.6	27875.3	29449.0	31115.5	32701.3	33943.2
-2.5°	16616.8	18509.2	20369.4	22250.0	24216.2	26213.8	28058.0	29754.1	31411.1	32897.6	34052.1
-5°	16683.7	18545.3	20398.8	22313.3	24262.5	26228.7	28066.6	29767.2	31358.4	32748.8	33801.9
-7.5°	16638.8	18482.1	20317.0	22212.8	24149.6	26092.3	27900.7	29527.4	31059.7	32376.7	33381.4
-10°	16503.2	18288.3	20123.9	21988.4	23929.4	25847.3	27619.5	29087.1	30550.2	31785.7	32735.8
-12.5°	16279.3	17988.3	19798.6	21621.8	23526.2	25369.8	27021.2	28482.5	29789.8	31041.3	31872.9
-15°	15961.4	17609.2	19340.0	21125.3	22929.5	24713.0	26323.3	27735.6	28946.7	29933.9	30809.7
-17.5°	15562.8	17152.8	18811.2	20522.0	22197.4	23894.2	25386.5	26801.8	27966.8	28845.7	29525.3
-20°	15072.2	16615.1	18201.2	19834.6	21391.2	22834.3	24272.8	25588.9	26740.5	27599.8	28253.0



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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°	14554.3	16009.9	17512.6	18985.4	20402.9	21759.6	23062.4	24270.3	25365.3	26177.8	26802.9
-25°	13965.0	15326.3	16715.7	18045.8	19340.5	20603.6	21784.5	22903.7	23859.6	24649.9	25230.3
-27.5°	13319.6	14587.2	15841.2	17078.2	18279.4	19371.3	20457.9	21468.3	22308.9	23035.7	23549.7
-30°	12614.4	13773.7	14948.9	16108.5	17147.6	18131.2	19096.6	19973.6	20744.1	21382.3	21843.3
-32.5°	11870.6	12929.7	14019.8	15068.4	15979.6	16866.9	17708.8	18477.6	19184.1	19748.1	20163.8
-35°	11101.7	12082.9	13061.8	13968.4	14817.7	15607.1	16332.4	17013.9	17599.2	18113.3	18520.8
-37.5°	10345.4	11229.2	12078.7	12870.3	13655.0	14378.9	15012.5	15610.4	16142.6	16571.4	16928.7
-40°	9603.5	10385.8	11109.2	11813.8	12514.9	13127.8	13703.1	14218.8	14689.7	15099.3	15416.7
-42.5°	8866.1	9539.8	10164.1	10798.2	11404.5	11935.9	12436.9	12883.6	13292.3	13659.4	13967.1
-45°	8126.1	8702.2	9257.9	9815.4	10318.8	10792.1	11227.5	11620.1	11985.1	12294.3	12546.6
-47.5°	7370.3	7881.4	8386.1	8869.1	9286.8	9695.8	10070.7	10423.2	10752.2	11030.2	11253.2
-50°	6648.5	7100.3	7552.2	7951.6	8302.7	8643.3	8960.5	9300.9	9605.4	9858.7	10042.9
-52.5°	5970.9	6379.4	6767.9	7095.0	7391.8	7657.7	7901.4	8217.7	8504.3	8753.0	8916.3
-55°	5353.8	5703.4	6036.5	6306.7	6554.5	6776.4	6997.5	7251.7	7483.1	7690.0	7826.5
-57.5°	4773.0	5069.3	5346.4	5573.9	5780.6	5966.1	6171.5	6383.9	6573.7	6737.0	6846.9
-60°	4222.3	4474.5	4704.3	4891.5	5063.3	5219.4	5414.9	5600.3	5764.4	5897.6	5979.7
-62.5°	3702.8	3929.1	4107.8	4258.2	4395.5	4527.0	4697.8	4858.0	5005.9	5124.1	5192.8
-65°	3227.2	3425.3	3558.1	3677.2	3785.4	3903.9	4049.1	4179.4	4294.9	4382.7	4442.5
-67.5°	2793.6	2950.3	3055.1	3149.7	3242.4	3343.8	3467.0	3580.8	3684.7	3757.0	3801.7
-70°	2389.7	2510.5	2595.4	2675.9	2753.2	2840.2	2941.1	3035.2	3122.0	3178.1	3213.7
-72.5°	2012.9	2105.0	2175.2	2244.4	2306.8	2381.3	2463.6	2540.8	2612.4	2654.6	2681.7
-75°	1661.3	1731.9	1789.4	1842.6	1891.3	1954.0	2020.7	2083.3	2141.6	2173.8	2194.6
-77.5°	1335.3	1389.4	1432.6	1472.3	1508.2	1557.9	1609.2	1657.4	1702.3	1731.0	1754.0
-80°	1059.2	1091.9	1118.5	1143.2	1166.1	1203.3	1240.9	1276.4	1309.7	1328.4	1343.2
-82.5°	813.6	833.4	849.3	863.2	875.1	901.0	926.8	951.3	974.3	986.4	996.7
-85°	613.3	624.0	633.0	641.0	648.0	666.0	683.8	701.0	717.5	721.0	723.5
-87.5°	475.5	481.3	486.8	492.2	497.3	510.6	523.9	537.1	550.2	552.5	554.5
-90°	5.5	5.2	5.0	4.7	4.4	4.1	3.9	3.6	3.3	3.0	2.8



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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°	481.9	484.4	482.7	481.0	482.7	484.4	481.9	479.4	476.9	474.4	463.4
87.5°	24.7	24.2	24.3	24.3	24.3	24.2	24.7	25.1	25.4	25.7	23.1
85°	46.9	44.1	42.0	39.8	42.0	44.1	46.9	49.6	52.1	54.3	51.1
82.5°	85.0	85.8	85.6	85.2	85.6	85.8	85.0	84.1	83.2	82.1	79.0
80°	111.5	114.5	115.4	116.1	115.4	114.5	111.5	108.4	105.3	102.2	99.2
77.5°	107.6	109.5	110.1	110.6	110.1	109.5	107.6	105.8	103.9	102.3	102.2
75°	87.3	87.8	87.5	87.4	87.5	87.8	87.3	86.9	86.7	87.2	90.1
72.5°	64.4	63.7	63.2	63.0	63.2	63.7	64.4	65.4	66.6	68.5	72.5
70°	47.2	45.9	44.9	44.2	44.9	45.9	47.2	48.7	50.3	52.6	56.2
67.5°	33.9	32.7	31.7	31.0	31.7	32.7	33.9	35.3	37.0	39.3	42.4
65°	25.4	24.7	23.9	23.2	23.9	24.7	25.4	26.3	27.5	29.6	32.3
62.5°	18.8	18.1	17.8	17.7	17.8	18.1	18.8	19.6	20.6	22.8	25.7
60°	14.6	13.7	13.4	13.3	13.4	13.7	14.6	15.5	16.4	19.1	22.0
57.5°	21.8	18.6	16.8	15.5	16.8	18.6	21.8	24.1	25.4	36.8	41.1
55°	219.3	220.0	224.3	228.9	224.3	220.0	219.3	209.4	190.6	189.6	169.4
52.5°	597.4	595.4	590.0	579.5	590.0	595.4	597.4	582.0	562.0	567.2	528.8
50°	1361.8	1342.6	1300.9	1241.9	1300.9	1342.6	1361.8	1337.2	1296.2	1259.7	1164.5
47.5°	2688.4	2799.6	2876.6	2910.6	2876.6	2799.6	2688.4	2539.8	2429.4	2337.9	2204.1
45°	3927.9	3993.9	4032.4	4062.9	4032.4	3993.9	3927.9	3798.8	3674.7	3557.9	3426.8
42.5°	5155.2	5259.8	5311.3	5302.6	5311.3	5259.8	5155.2	5002.4	4822.9	4628.3	4423.5
40°	6366.5	6585.3	6764.9	6893.9	6764.9	6585.3	6366.5	6122.4	5868.5	5613.1	5345.4
37.5°	7525.4	7851.3	8126.6	8326.0	8126.6	7851.3	7525.4	7180.4	6831.6	6451.3	6183.1
35°	8712.1	8999.5	9188.1	9270.4	9188.1	8999.5	8712.1	8342.7	7891.1	7369.4	7137.2
32.5°	10053.8	10213.5	10247.4	10333.1	10247.4	10213.5	10053.8	9741.1	9250.6	8751.6	8373.2
30°	11791.4	11957.4	11961.5	12069.3	11961.5	11957.4	11791.4	11474.9	10955.0	10490.6	9932.8
27.5°	13990.1	14269.6	14360.4	14455.8	14360.4	14269.6	13990.1	13561.5	13017.7	12511.4	11797.3
25°	16344.4	16605.0	16688.5	16656.4	16688.5	16605.0	16344.4	15862.3	15281.3	14697.9	13957.7
22.5°	18986.9	19324.7	19447.7	19385.7	19447.7	19324.7	18986.9	18414.7	17856.1	17054.2	16201.1
20°	21944.6	22432.1	22689.8	22806.1	22689.8	22432.1	21944.6	21281.3	20593.1	19663.9	18579.8
17.5°	25057.6	25776.1	26106.0	26203.3	26106.0	25776.1	25057.6	24279.1	23365.5	22277.1	20993.6
15°	27889.7	28517.0	28944.9	29164.8	28944.9	28517.0	27889.7	26968.5	25900.2	24652.1	23213.4
12.5°	30079.5	30879.1	31545.5	31902.9	31545.5	30879.1	30079.5	29104.7	28034.5	26583.6	25076.0
10°	31864.5	32671.8	33277.8	33571.6	33277.8	32671.8	31864.5	30759.2	29464.6	28094.6	26613.3
7.5°	33099.4	33849.8	34320.3	34512.7	34320.3	33849.8	33099.4	31949.5	30625.6	29221.6	27718.1
5°	33897.7	34615.1	34962.9	35087.8	34962.9	34615.1	33897.7	32879.1	31552.3	30093.4	28527.3
2.5°	34472.5	35040.1	35318.6	35336.6	35318.6	35040.1	34472.5	33527.1	32221.2	30737.4	29100.3
0°	34735.0	35245.9	35551.1	35545.6	35551.1	35245.9	34735.0	33943.2	32701.3	31115.5	29449.0
-2.5°	34747.7	35192.2	35409.1	35286.8	35409.1	35192.2	34747.7	34052.1	32897.6	31411.1	29754.1
-5°	34499.9	34934.9	35097.5	35060.1	35097.5	34934.9	34499.9	33801.9	32748.8	31358.4	29767.2
-7.5°	34055.0	34440.9	34606.9	34612.2	34606.9	34440.9	34055.0	33381.4	32376.7	31059.7	29527.4
-10°	33376.5	33699.0	33889.0	33834.8	33889.0	33699.0	33376.5	32735.8	31785.7	30550.2	29087.1
-12.5°	32478.9	32797.2	32958.4	32925.8	32958.4	32797.2	32478.9	31872.9	31041.3	29789.8	28482.5
-15°	31405.2	31707.8	31858.8	31844.3	31858.8	31707.8	31405.2	30809.7	29933.9	28946.7	27735.6
-17.5°	30075.9	30379.2	30533.8	30554.8	30533.8	30379.2	30075.9	29525.3	28845.7	27966.8	26801.8
-20°	28682.9	28950.3	29092.0	29094.0	29092.0	28950.3	28682.9	28253.0	27599.8	26740.5	25588.9



REPORT NUMBER: P1306012 (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°	27238.8	27539.2	27707.2	27681.8	27707.2	27539.2	27238.8	26802.9	26177.8	25365.3	24270.3
-25°	25629.3	25930.3	26093.7	26087.2	26093.7	25930.3	25629.3	25230.3	24649.9	23859.6	22903.7
-27.5°	23911.0	24200.3	24358.0	24377.5	24358.0	24200.3	23911.0	23549.7	23035.7	22308.9	21468.3
-30°	22180.1	22465.4	22619.9	22632.5	22619.9	22465.4	22180.1	21843.3	21382.3	20744.1	19973.6
-32.5°	20484.1	20741.7	20884.3	20899.6	20884.3	20741.7	20484.1	20163.8	19748.1	19184.1	18477.6
-35°	18829.5	19055.7	19183.8	19225.3	19183.8	19055.7	18829.5	18520.8	18113.3	17599.2	17013.9
-37.5°	17219.1	17423.7	17547.3	17622.9	17547.3	17423.7	17219.1	16928.7	16571.4	16142.6	15610.4
-40°	15663.6	15842.8	15941.4	15943.1	15941.4	15842.8	15663.6	15416.7	15099.3	14689.7	14218.8
-42.5°	14195.1	14346.0	14421.4	14422.6	14421.4	14346.0	14195.1	13967.1	13659.4	13292.3	12883.6
-45°	12749.8	12897.4	13001.8	13067.9	13001.8	12897.4	12749.8	12546.6	12294.3	11985.1	11620.1
-47.5°	11423.2	11544.2	11627.2	11672.3	11627.2	11544.2	11423.2	11253.2	11030.2	10752.2	10423.2
-50°	10178.0	10274.7	10345.4	10387.3	10345.4	10274.7	10178.0	10042.9	9858.7	9605.4	9300.9
-52.5°	9027.2	9097.8	9123.2	9106.7	9123.2	9097.8	9027.2	8916.3	8753.0	8504.3	8217.7
-55°	7928.9	7999.3	8027.4	8017.5	8027.4	7999.3	7928.9	7826.5	7690.0	7483.1	7251.7
-57.5°	6933.5	6995.8	7045.8	7076.4	7045.8	6995.8	6933.5	6846.9	6737.0	6573.7	6383.9
-60°	6044.3	6090.5	6121.8	6134.2	6121.8	6090.5	6044.3	5979.7	5897.6	5764.4	5600.3
-62.5°	5241.1	5269.8	5292.1	5301.5	5292.1	5269.8	5241.1	5192.8	5124.1	5005.9	4858.0
-65°	4490.1	4525.2	4521.0	4496.4	4521.0	4525.2	4490.1	4442.5	4382.7	4294.9	4179.4
-67.5°	3835.4	3858.2	3877.9	3888.2	3877.9	3858.2	3835.4	3801.7	3757.0	3684.7	3580.8
-70°	3241.0	3259.7	3266.6	3264.5	3266.6	3259.7	3241.0	3213.7	3178.1	3122.0	3035.2
-72.5°	2702.2	2715.8	2718.5	2713.8	2718.5	2715.8	2702.2	2681.7	2654.6	2612.4	2540.8
-75°	2209.4	2218.5	2223.1	2222.8	2223.1	2218.5	2209.4	2194.6	2173.8	2141.6	2083.3
-77.5°	1773.2	1788.5	1782.0	1770.5	1782.0	1788.5	1773.2	1754.0	1731.0	1702.3	1657.4
-80°	1355.3	1364.7	1359.6	1351.4	1359.6	1364.7	1355.3	1343.2	1328.4	1309.7	1276.4
-82.5°	1005.5	1012.9	1004.5	994.2	1004.5	1012.9	1005.5	996.7	986.4	974.3	951.3
-85°	725.3	726.4	725.7	724.3	725.7	726.4	725.3	723.5	721.0	717.5	701.0
-87.5°	556.5	558.2	556.7	555.1	556.7	558.2	556.5	554.5	552.5	550.2	537.1
-90°	2.5	2.2	2.8	3.3	2.8	2.2	2.5	2.8	3.0	3.3	3.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	452.3	441.3	430.2	425.5	420.8	416.1	411.4	396.5	381.6	366.6	351.7
87.5°	20.5	17.9	15.5	15.5	15.5	15.5	15.5	14.4	13.3	12.3	11.3
85°	47.7	44.3	40.9	41.1	41.0	40.8	40.2	37.1	34.0	30.7	27.5
82.5°	75.7	72.2	68.7	67.5	66.3	65.2	64.0	60.9	57.6	54.1	50.5
80°	96.1	92.9	89.9	88.9	87.6	86.0	83.8	80.3	76.5	72.5	68.0
77.5°	101.9	101.1	100.7	102.3	103.3	103.7	103.0	100.2	96.3	92.0	86.6
75°	92.9	95.5	99.1	105.0	110.2	114.8	116.3	115.3	113.4	110.4	105.0
72.5°	76.6	80.9	87.3	96.5	105.7	113.2	119.3	123.8	126.4	127.0	122.8
70°	60.1	64.4	71.6	81.3	91.3	101.3	112.9	124.2	134.2	139.2	136.7
67.5°	45.9	49.6	57.0	66.5	76.8	87.3	101.7	116.5	129.5	140.5	144.9
65°	35.2	38.1	45.4	55.0	64.8	75.0	90.3	105.7	121.3	136.3	146.4
62.5°	28.6	31.6	40.1	48.8	57.4	67.9	83.9	100.1	114.9	129.6	145.0
60°	24.7	28.4	38.2	47.2	55.2	68.0	86.2	101.4	113.6	133.8	150.3
57.5°	35.3	33.9	48.4	57.5	60.7	79.9	99.7	112.1	124.6	151.2	165.1
55°	127.9	137.0	145.4	125.0	96.6	147.6	152.6	141.5	164.5	185.5	205.0
52.5°	454.7	459.2	425.2	341.1	325.6	338.9	303.1	289.3	274.4	297.8	285.5
50°	1078.7	1055.1	957.3	816.2	801.7	711.5	638.3	559.0	559.9	526.0	452.0
47.5°	2080.6	1942.8	1764.9	1602.5	1504.3	1417.3	1245.7	1020.4	1005.7	881.8	769.8
45°	3228.0	3009.9	2777.7	2529.9	2301.9	2150.4	2029.1	1801.8	1582.5	1434.6	1179.5
42.5°	4232.0	4052.6	3814.2	3461.6	3121.4	2867.3	2673.6	2486.0	2259.5	2044.9	1791.2
40°	5085.4	4839.8	4609.8	4346.7	3961.2	3558.0	3333.6	3087.4	2855.5	2613.3	2356.3
37.5°	5895.2	5558.6	5341.0	5062.6	4725.7	4372.6	4040.8	3740.4	3416.2	3144.4	2852.3
35°	6774.6	6422.4	6154.1	5842.8	5457.4	5154.0	4793.5	4418.2	4053.6	3681.1	3347.8
32.5°	7875.8	7533.0	7119.2	6733.0	6367.0	5962.5	5542.3	5100.2	4713.4	4279.1	3855.4
30°	9347.1	8866.2	8331.2	7805.1	7403.4	6898.5	6322.5	5877.1	5413.1	4899.0	4378.7
27.5°	11177.7	10412.2	9744.2	9182.1	8563.2	7947.4	7307.0	6699.1	6148.3	5559.0	4953.3
25°	13200.7	12332.9	11468.6	10731.3	9933.5	9114.4	8351.5	7618.7	6931.7	6241.3	5497.9
22.5°	15264.2	14332.7	13385.9	12389.0	11384.7	10409.9	9487.3	8551.0	7716.0	6899.9	6078.4
20°	17395.1	16275.7	15207.0	14059.1	12849.1	11665.3	10640.8	9535.1	8516.6	7568.1	6654.3
17.5°	19600.3	18211.4	16890.6	15596.1	14268.5	12966.5	11681.4	10461.2	9309.2	8224.4	7211.8
15°	21712.2	20089.3	18568.7	17080.0	15582.1	14074.8	12618.8	11299.6	10089.9	8892.2	7759.7
12.5°	23457.2	21804.9	20158.4	18393.5	16714.0	15098.3	13543.2	12105.0	10786.4	9462.6	8222.1
10°	24925.8	23184.2	21397.9	19570.0	17770.3	16040.5	14361.3	12759.9	11289.2	9925.2	8635.5
7.5°	26031.8	24258.0	22449.2	20567.9	18675.0	16828.8	15027.9	13317.8	11736.8	10316.2	8997.7
5°	26864.6	25073.7	23197.6	21304.6	19418.3	17512.9	15602.9	13799.5	12121.9	10636.7	9306.5
2.5°	27494.0	25657.9	23737.5	21852.2	19994.3	18063.7	16072.1	14191.0	12481.6	10925.0	9509.1
0°	27875.3	26028.6	24086.7	22178.0	20303.5	18434.6	16424.2	14480.1	12785.9	11159.2	9656.3
-2.5°	28058.0	26213.8	24216.2	22250.0	20369.4	18509.2	16616.8	14729.3	12977.9	11381.4	9861.3
-5°	28066.6	26228.7	24262.5	22313.3	20398.8	18545.3	16683.7	14858.0	13107.2	11526.8	10003.8
-7.5°	27900.7	26092.3	24149.6	22212.8	20317.0	18482.1	16638.8	14878.2	13184.4	11581.2	10074.8
-10°	27619.5	25847.3	23929.4	21988.4	20123.9	18288.3	16503.2	14823.1	13166.3	11565.0	10085.2
-12.5°	27021.2	25369.8	23526.2	21621.8	19798.6	17988.3	16279.3	14682.6	13049.3	11479.7	10036.0
-15°	26323.3	24713.0	22929.5	21125.3	19340.0	17609.2	15961.4	14398.2	12811.0	11321.4	9928.4
-17.5°	25386.5	23894.2	22197.4	20522.0	18811.2	17152.8	15562.8	14037.0	12535.8	11094.1	9729.4
-20°	24272.8	22834.3	21391.2	19834.6	18201.2	16615.1	15072.2	13632.3	12207.4	10804.4	9493.5



REPORT NUMBER: P1306012 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23062.4	21759.6	20402.9	18985.4	17512.6	16009.9	14554.3	13173.4	11815.5	10435.4	9209.8
-25°	21784.5	20603.6	19340.5	18045.8	16715.7	15326.3	13965.0	12647.9	11333.4	10041.8	8885.0
-27.5°	20457.9	19371.3	18279.4	17078.2	15841.2	14587.2	13319.6	12062.7	10802.4	9641.0	8545.7
-30°	19096.6	18131.2	17147.6	16108.5	14948.9	13773.7	12614.4	11449.4	10294.2	9199.2	8161.6
-32.5°	17708.8	16866.9	15979.6	15068.4	14019.8	12929.7	11870.6	10824.8	9754.2	8740.7	7783.4
-35°	16332.4	15607.1	14817.7	13968.4	13061.8	12082.9	11101.7	10149.7	9207.9	8255.6	7375.2
-37.5°	15012.5	14378.9	13655.0	12870.3	12078.7	11229.2	10345.4	9478.1	8613.2	7771.3	6946.2
-40°	13703.1	13127.8	12514.9	11813.8	11109.2	10385.8	9603.5	8800.5	8025.2	7265.6	6498.6
-42.5°	12436.9	11935.9	11404.5	10798.2	10164.1	9539.8	8866.1	8140.8	7425.0	6735.2	6066.6
-45°	11227.5	10792.1	10318.8	9815.4	9257.9	8702.2	8126.1	7475.4	6823.7	6214.1	5612.3
-47.5°	10070.7	9695.8	9286.8	8869.1	8386.1	7881.4	7370.3	6805.8	6248.8	5689.8	5168.5
-50°	8960.5	8643.3	8302.7	7951.6	7552.2	7100.3	6648.5	6186.3	5684.2	5200.1	4723.4
-52.5°	7901.4	7657.7	7391.8	7095.0	6767.9	6379.4	5970.9	5579.6	5149.3	4723.2	4299.6
-55°	6997.5	6776.4	6554.5	6306.7	6036.5	5703.4	5353.8	5003.6	4650.1	4260.2	3893.0
-57.5°	6171.5	5966.1	5780.6	5573.9	5346.4	5069.3	4773.0	4465.2	4162.3	3826.1	3491.9
-60°	5414.9	5219.4	5063.3	4891.5	4704.3	4474.5	4222.3	3957.3	3680.1	3404.8	3122.1
-62.5°	4697.8	4527.0	4395.5	4258.2	4107.8	3929.1	3702.8	3478.3	3244.0	2999.7	2769.4
-65°	4049.1	3903.9	3785.4	3677.2	3558.1	3425.3	3227.2	3031.6	2837.4	2637.5	2431.8
-67.5°	3467.0	3343.8	3242.4	3149.7	3055.1	2950.3	2793.6	2623.0	2458.4	2295.0	2121.3
-70°	2941.1	2840.2	2753.2	2675.9	2595.4	2510.5	2389.7	2250.3	2107.8	1968.6	1823.4
-72.5°	2463.6	2381.3	2306.8	2244.4	2175.2	2105.0	2012.9	1898.4	1780.3	1658.8	1537.4
-75°	2020.7	1954.0	1891.3	1842.6	1789.4	1731.9	1661.3	1568.2	1473.7	1378.4	1281.4
-77.5°	1609.2	1557.9	1508.2	1472.3	1432.6	1389.4	1335.3	1261.4	1192.0	1121.1	1048.7
-80°	1240.9	1203.3	1166.1	1143.2	1118.5	1091.9	1059.2	1002.6	944.7	888.6	835.0
-82.5°	926.8	901.0	875.1	863.2	849.3	833.4	813.6	772.6	730.9	688.8	646.4
-85°	683.8	666.0	648.0	641.0	633.0	624.0	613.3	586.4	559.1	531.2	503.0
-87.5°	523.9	510.6	497.3	492.2	486.8	481.3	475.5	457.5	439.4	421.2	403.1
-90°	3.9	4.1	4.4	4.7	5.0	5.2	5.5	5.8	6.1	6.3	6.6



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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°	335.7	319.6	303.6	287.5	271.2	254.9	238.6	222.3	203.8	185.3	166.7
87.5°	12.2	12.9	13.5	14.1	13.8	13.5	13.2	12.9	13.4	13.8	14.0
85°	25.7	24.3	23.1	22.2	21.0	19.3	18.7	18.1	18.8	19.3	19.4
82.5°	46.6	42.5	38.7	35.6	34.7	33.2	31.1	28.6	27.2	25.3	24.9
80°	62.5	57.2	52.2	48.1	47.6	47.2	45.0	42.3	40.0	37.3	34.0
77.5°	79.2	72.0	64.7	59.4	57.8	56.3	55.1	54.6	52.9	49.2	44.9
75°	96.8	88.3	79.8	73.9	70.6	65.4	63.1	63.4	65.2	61.4	55.8
72.5°	114.8	105.8	95.8	90.1	88.3	83.6	76.0	73.1	77.9	76.2	68.0
70°	131.0	123.6	113.9	111.4	109.1	103.0	95.9	93.9	91.8	91.7	84.5
67.5°	145.7	139.2	130.7	134.1	133.8	128.2	117.4	118.4	117.7	108.2	101.4
65°	150.4	150.8	148.9	158.3	160.3	155.3	144.9	146.6	144.6	135.3	119.0
62.5°	155.1	159.3	166.7	183.9	189.1	185.1	175.8	181.9	174.5	163.2	143.3
60°	160.4	168.4	188.8	210.4	219.8	217.2	215.1	219.4	212.1	192.1	170.8
57.5°	178.0	181.6	217.9	242.8	253.3	252.1	259.3	263.3	251.6	228.5	199.3
55°	206.8	220.6	261.3	284.1	293.7	290.7	310.1	312.4	294.5	267.8	229.8
52.5°	263.5	295.1	330.2	342.5	344.1	344.7	371.1	365.1	345.5	308.4	268.2
50°	390.6	418.4	436.9	429.7	406.6	426.4	439.6	431.4	399.2	352.8	308.3
47.5°	658.8	647.3	599.5	547.4	505.7	522.8	530.6	504.6	455.6	404.5	349.3
45°	1071.9	976.4	847.9	736.3	647.7	657.5	637.7	583.8	528.4	460.5	391.1
42.5°	1521.1	1377.1	1213.6	950.2	866.5	814.2	756.7	690.2	605.6	518.3	438.4
40°	2048.4	1800.6	1611.4	1327.4	1099.8	985.4	909.8	808.5	686.5	581.3	489.9
37.5°	2546.9	2243.5	2006.4	1683.3	1357.0	1202.1	1075.8	935.2	773.0	651.6	542.0
35°	3007.6	2673.7	2343.4	2004.4	1663.5	1419.5	1251.2	1076.5	873.8	721.3	594.7
32.5°	3458.4	3070.3	2686.6	2307.1	1945.1	1637.2	1442.2	1200.9	970.5	790.3	647.8
30°	3921.8	3469.1	3028.3	2600.0	2207.4	1879.7	1614.6	1317.6	1062.9	858.2	702.1
27.5°	4387.0	3862.5	3371.0	2901.8	2467.8	2101.8	1746.2	1426.3	1150.9	929.2	758.7
25°	4864.0	4277.3	3724.7	3203.4	2717.5	2272.7	1872.5	1527.6	1240.7	1004.1	813.8
22.5°	5348.9	4697.8	4068.9	3497.3	2924.8	2444.8	2004.8	1634.0	1327.3	1074.8	867.2
20°	5805.2	5112.1	4391.1	3733.2	3129.5	2623.0	2145.6	1734.5	1407.2	1141.5	918.7
17.5°	6245.2	5484.8	4677.2	3964.2	3327.9	2786.8	2282.8	1828.5	1480.3	1203.9	968.1
15°	6700.6	5811.4	4954.0	4176.6	3508.8	2936.1	2415.0	1915.6	1546.7	1261.9	1009.6
12.5°	7108.2	6128.7	5212.4	4369.4	3672.0	3070.8	2540.6	1995.6	1606.5	1313.1	1042.1
10°	7471.0	6431.2	5449.4	4541.7	3816.9	3191.1	2658.1	2077.1	1676.8	1359.0	1072.2
7.5°	7788.6	6713.2	5661.9	4692.5	3944.7	3291.0	2747.2	2169.9	1746.4	1401.6	1099.7
5°	8049.7	6946.5	5866.0	4866.5	4062.9	3372.2	2815.4	2254.8	1812.0	1440.3	1124.1
2.5°	8220.1	7105.4	6048.8	5028.3	4164.2	3440.8	2867.3	2331.2	1872.4	1474.6	1145.1
0°	8345.9	7222.4	6197.2	5166.6	4246.5	3495.6	2905.1	2398.6	1926.4	1504.0	1162.3
-2.5°	8508.0	7336.9	6289.8	5276.2	4361.6	3592.8	2969.3	2441.2	1964.3	1540.7	1190.9
-5°	8619.6	7411.8	6350.1	5358.6	4454.7	3672.8	3020.7	2474.1	1994.6	1571.6	1215.0
-7.5°	8697.7	7472.4	6390.3	5413.3	4524.5	3733.3	3058.0	2497.1	2017.5	1596.7	1234.4
-10°	8727.6	7505.0	6412.1	5429.5	4546.5	3761.9	3080.0	2510.1	2033.0	1615.5	1249.0
-12.5°	8703.9	7489.5	6395.4	5416.3	4539.7	3761.2	3088.3	2520.4	2041.7	1627.8	1258.4
-15°	8626.0	7423.8	6339.1	5373.3	4508.1	3742.0	3082.8	2522.9	2045.3	1632.1	1262.5
-17.5°	8487.1	7306.8	6242.3	5300.3	4451.4	3704.0	3063.5	2513.5	2040.0	1627.4	1259.6
-20°	8291.0	7153.1	6110.1	5197.3	4369.3	3647.2	3030.4	2492.1	2025.4	1615.5	1250.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	8056.8	6978.3	5983.2	5081.1	4273.3	3571.8	2983.5	2458.3	2001.5	1596.2	1236.0
-25°	7782.6	6773.7	5822.9	4954.7	4172.9	3505.2	2929.7	2412.1	1968.0	1569.5	1216.8
-27.5°	7510.8	6546.2	5626.2	4803.1	4066.0	3424.3	2868.3	2366.8	1927.6	1535.2	1192.6
-30°	7226.1	6298.6	5426.9	4637.1	3937.9	3332.4	2792.4	2310.7	1883.0	1499.1	1163.4
-32.5°	6893.9	6012.0	5210.0	4476.0	3810.1	3221.3	2702.3	2243.5	1829.3	1460.5	1135.6
-35°	6529.1	5723.6	4972.0	4292.5	3667.7	3108.5	2606.0	2165.0	1766.6	1416.3	1105.5
-37.5°	6141.2	5416.8	4749.1	4098.2	3501.4	2979.5	2509.1	2083.6	1694.8	1366.5	1071.2
-40°	5780.1	5101.3	4481.7	3892.3	3335.9	2834.7	2400.0	1997.9	1627.6	1311.3	1032.9
-42.5°	5394.2	4785.2	4208.6	3657.1	3160.5	2701.0	2281.2	1904.1	1561.0	1258.9	990.6
-45°	5024.5	4456.1	3922.9	3435.4	2973.9	2555.0	2168.5	1804.9	1486.4	1205.8	947.4
-47.5°	4639.6	4128.5	3645.9	3198.0	2797.9	2403.4	2047.3	1711.3	1404.0	1148.3	904.1
-50°	4267.4	3803.8	3370.7	2972.8	2601.1	2261.2	1921.1	1608.4	1330.1	1083.9	856.6
-52.5°	3892.2	3488.2	3103.6	2743.7	2418.3	2110.4	1794.5	1498.6	1249.8	1018.8	804.9
-55°	3526.5	3184.5	2839.9	2524.3	2230.3	1951.0	1657.9	1399.8	1163.3	950.9	750.4
-57.5°	3185.2	2881.5	2588.2	2305.7	2037.2	1778.5	1528.6	1294.0	1077.6	878.6	701.9
-60°	2848.4	2596.6	2336.9	2084.1	1838.5	1612.7	1401.2	1185.1	988.6	804.6	648.8
-62.5°	2538.8	2311.6	2087.7	1857.7	1649.4	1456.3	1269.1	1077.5	894.8	737.6	592.2
-65°	2237.0	2037.2	1835.0	1650.1	1469.6	1298.3	1138.6	964.7	809.4	667.2	537.0
-67.5°	1942.3	1776.2	1611.1	1445.7	1295.3	1148.7	1002.4	860.4	723.6	593.8	489.6
-70°	1675.5	1528.0	1392.6	1261.0	1128.2	998.4	880.7	757.6	634.5	535.0	440.4
-72.5°	1421.4	1306.2	1192.1	1077.7	971.4	865.3	759.7	656.4	563.6	474.6	389.5
-75°	1182.7	1093.6	1006.4	917.1	823.3	731.1	651.9	573.0	491.1	412.4	346.6
-77.5°	975.2	901.8	828.8	760.8	689.6	620.5	553.7	487.4	421.1	362.0	305.9
-80°	781.9	728.6	675.4	621.4	563.7	508.1	461.3	414.0	361.8	311.8	264.2
-82.5°	605.0	568.7	533.6	497.7	458.7	420.0	381.8	343.7	301.2	260.5	229.2
-85°	475.6	447.7	419.4	390.8	360.7	331.1	309.2	287.0	260.6	234.5	208.7
-87.5°	385.3	367.4	349.3	331.1	312.2	293.2	274.1	254.8	232.4	210.1	187.9
-90°	6.9	7.2	7.4	7.7	7.7	7.7	7.7	7.7	8.0	8.3	8.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	148.2	122.8	97.3	71.9	46.4	27.1	7.7
87.5°	14.0	13.5	12.9	12.2	11.2	9.8	7.7
85°	19.2	18.3	17.1	15.5	13.6	11.3	7.7
82.5°	24.4	23.0	21.2	18.9	16.0	12.9	7.7
80°	30.1	27.8	25.4	22.2	18.5	14.4	7.7
77.5°	40.1	34.5	29.5	25.6	20.9	15.9	7.7
75°	50.3	44.7	34.6	28.9	23.4	17.5	7.7
72.5°	60.7	55.0	44.2	32.2	25.8	19.0	7.7
70°	72.3	65.5	53.9	36.5	28.3	20.5	7.7
67.5°	89.9	76.2	63.6	44.6	30.8	22.0	7.7
65°	108.1	90.2	73.4	52.8	33.3	23.5	7.7
62.5°	126.7	107.6	83.2	60.9	35.8	25.0	7.7
60°	145.9	125.2	93.2	69.0	38.4	26.4	7.7
57.5°	172.3	143.1	108.3	77.0	44.3	27.9	7.7
55°	200.1	161.3	123.8	85.0	50.1	29.3	7.7
52.5°	228.5	180.7	139.3	93.0	55.9	30.7	7.7
50°	257.3	205.6	154.8	101.0	61.5	32.1	7.7
47.5°	287.5	230.5	170.3	109.8	67.0	33.4	7.7
45°	323.7	255.5	185.9	121.5	72.5	34.8	7.7
42.5°	360.2	280.6	201.3	133.1	77.8	36.1	7.7
40°	396.8	305.7	218.9	144.5	82.9	37.3	7.7
37.5°	433.6	330.7	238.4	155.6	87.9	38.6	7.7
35°	470.3	358.7	257.6	166.4	92.8	39.8	7.7
32.5°	509.0	387.9	276.3	176.7	97.4	40.9	7.7
30°	552.0	416.5	294.7	186.7	101.9	42.0	7.7
27.5°	594.6	444.6	311.4	196.2	106.2	43.1	7.7
25°	636.4	472.0	327.2	205.2	110.3	44.1	7.7
22.5°	677.3	497.3	342.1	213.8	114.1	45.1	7.7
20°	717.1	518.3	356.2	221.8	117.8	46.0	7.7
17.5°	748.4	537.8	369.4	229.3	121.2	46.8	7.7
15°	772.7	555.6	381.5	236.2	124.3	47.6	7.7
12.5°	794.2	571.7	392.7	242.5	127.2	48.4	7.7
10°	812.8	586.1	402.7	248.2	129.7	49.0	7.7
7.5°	828.6	598.8	411.6	253.2	132.0	49.6	7.7
5°	841.6	609.7	419.4	257.6	134.0	50.1	7.7
2.5°	851.8	618.7	426.0	261.3	135.7	50.5	7.7
0°	859.3	625.9	431.3	264.3	137.1	50.9	7.7
-2.5°	880.0	637.6	438.3	268.3	139.2	51.9	7.7
-5°	897.6	647.2	444.0	271.5	141.0	52.8	7.7
-7.5°	912.0	654.8	448.4	274.0	142.4	53.6	7.7
-10°	922.8	660.2	451.2	275.7	143.5	54.4	7.7
-12.5°	929.8	663.3	452.6	276.5	144.2	55.0	7.7
-15°	932.8	664.0	452.4	276.6	144.6	55.5	7.7
-17.5°	931.5	662.3	450.7	275.7	144.6	56.0	7.7
-20°	926.4	658.1	447.4	274.1	144.3	56.3	7.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	918.2	651.3	442.4	271.5	143.6	56.6	7.7
-25°	906.5	644.6	435.8	268.1	142.6	56.7	7.7
-27.5°	891.1	636.3	427.6	263.8	141.2	56.8	7.7
-30°	872.2	625.3	417.9	258.6	139.4	56.7	7.7
-32.5°	849.8	611.5	409.1	252.5	137.3	56.5	7.7
-35°	828.8	594.8	398.6	245.6	134.8	56.3	7.7
-37.5°	806.4	577.1	386.3	237.8	132.0	55.9	7.7
-40°	780.3	559.9	372.2	229.1	128.8	55.4	7.7
-42.5°	750.6	540.4	359.2	220.1	125.3	54.8	7.7
-45°	717.5	518.5	347.4	211.3	121.5	54.1	7.7
-47.5°	680.8	494.4	334.2	201.5	117.3	53.3	7.7
-50°	647.5	468.0	319.7	194.6	112.8	52.5	7.7
-52.5°	612.5	439.5	303.9	188.2	108.1	51.5	7.7
-55°	574.8	416.0	286.8	181.1	103.0	50.4	7.7
-57.5°	534.4	392.2	268.5	173.3	97.6	49.2	7.7
-60°	492.9	366.8	249.4	164.8	92.0	48.0	7.7
-62.5°	459.0	339.7	236.1	155.7	89.1	46.6	7.7
-65°	423.1	311.3	221.9	146.0	86.0	45.2	7.7
-67.5°	385.5	286.0	206.9	135.8	82.7	43.7	7.7
-70°	346.2	264.3	191.0	125.0	79.2	42.1	7.7
-72.5°	315.0	241.4	174.3	118.3	75.6	40.4	7.7
-75°	283.8	217.6	157.0	112.4	71.8	38.7	7.7
-77.5°	251.6	193.0	146.5	106.2	67.9	36.9	7.7
-80°	218.3	176.1	137.3	99.8	63.8	35.0	7.7
-82.5°	199.8	163.3	127.7	93.1	59.6	33.1	7.7
-85°	183.0	150.1	117.8	86.2	55.3	31.1	7.7
-87.5°	165.8	136.6	107.7	79.1	50.9	29.1	7.7
-90°	8.8	8.8	8.8	8.8	8.8	8.3	7.7

(END OF REPORT)