

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: McGRAW-EDISON

Report Number: P271475

Luminaire Tested: **ISC-AF-1000-LED-E1-SLL-7027-ULG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P271475  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)-DOWNLIGHT AND  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: ISC-AF-1000-LED-E1-SLL-7027-ULG  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT  
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT, WITH  
UPLIGHT GLOW  
Light Source: (16) 2700K CCT, 70 CRI LEDs and (1) UPLIGHT LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5589.7 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U5 - G2

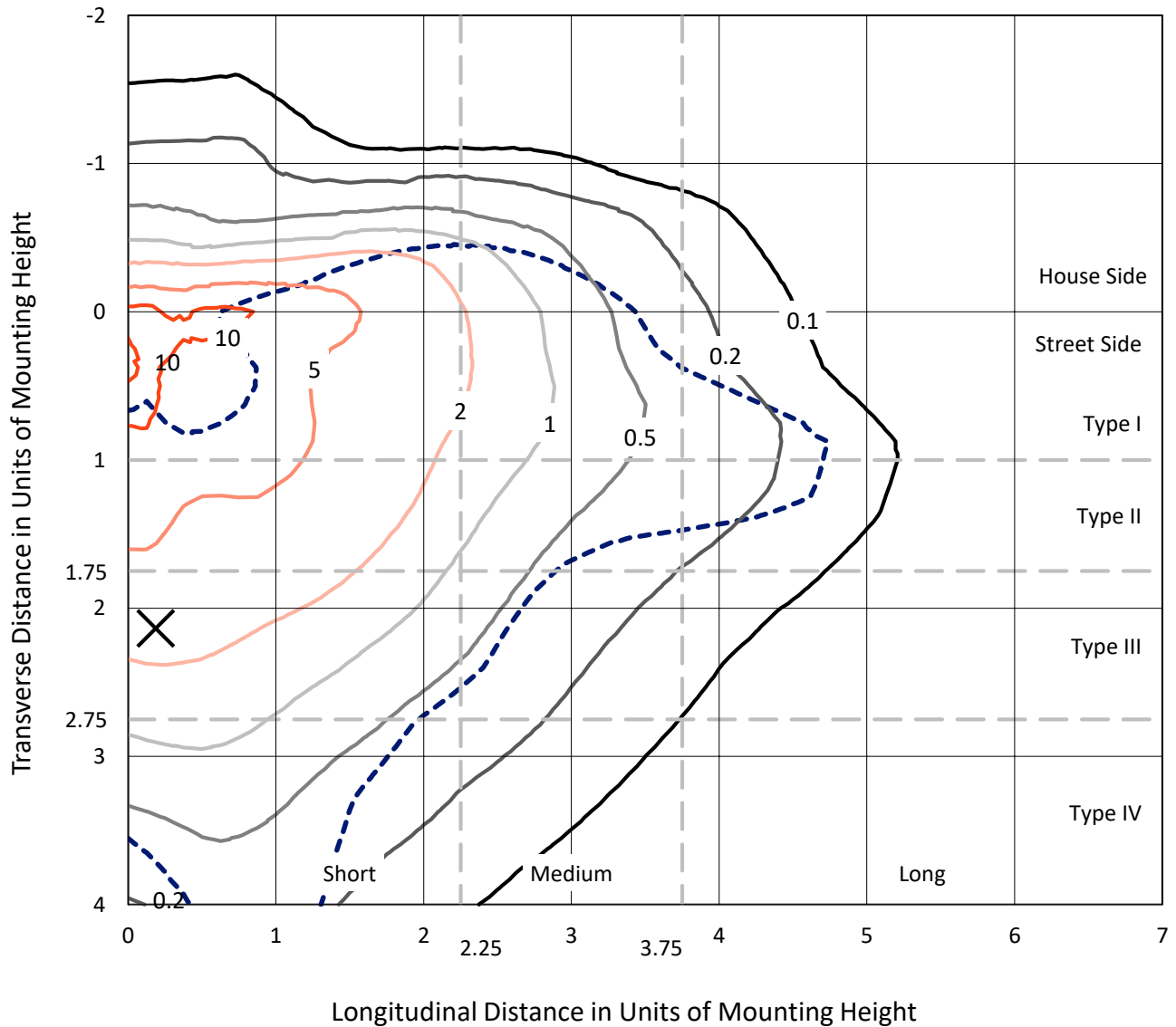
Input Watts (W): 71.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

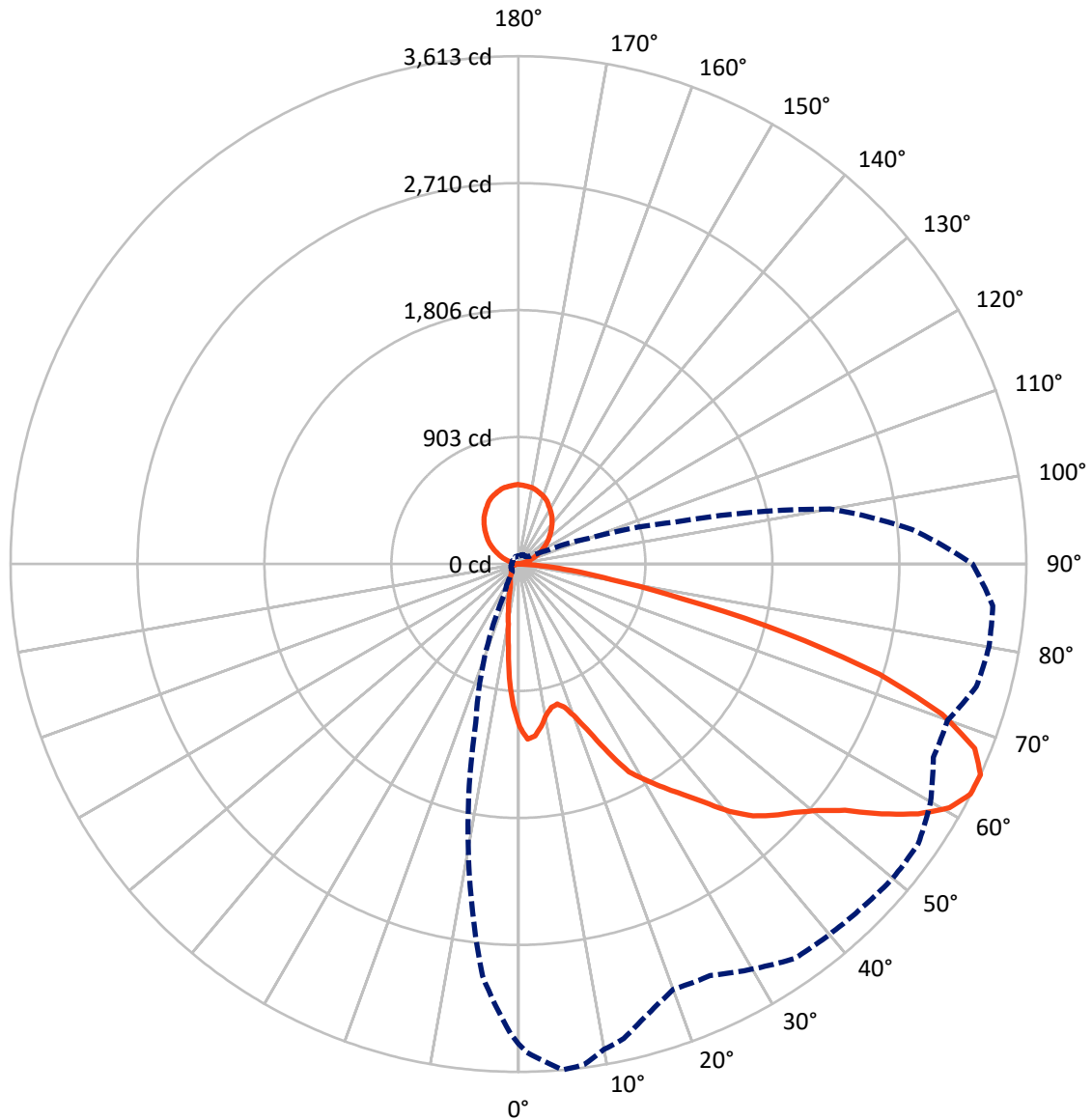
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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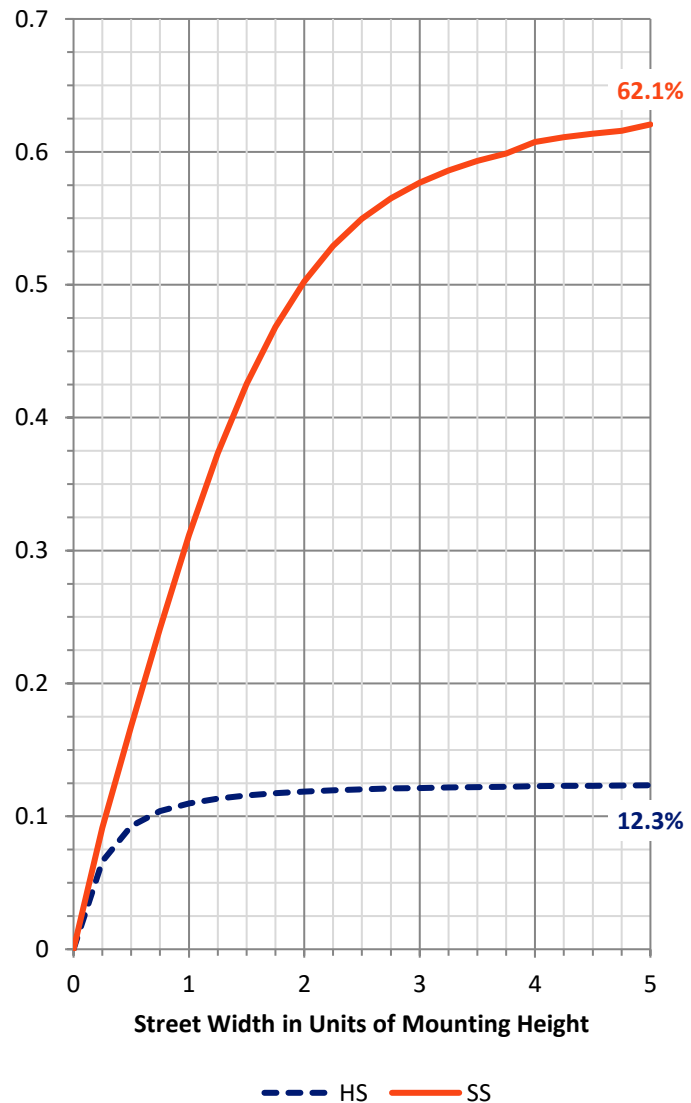
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	696.7	699.9	1396.6
	% Fixture	12.5	12.5	25.0
<b>Street Side</b>	Lumens	3493.3	699.9	4193.1
	% Fixture	62.5	12.5	75.0
<b>Total</b>	Lumens	4190.0	1399.8	5589.7
	% Fixture	75.0	25.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	1.6
10°-20°	183.5	3.3
20°-30°	266.7	4.8
30°-40°	394.5	7.1
40°-50°	574.7	10.3
50°-60°	861.5	15.4
60°-70°	1073.6	19.2
70°-80°	628.9	11.3
80°-90°	117.6	2.1
90°-100°	4.7	0.1
100°-110°	67.7	1.2
110°-120°	150.2	2.7
120°-130°	219.7	3.9
130°-140°	260.7	4.7
140°-150°	264.3	4.7
150°-160°	226.8	4.1
160°-170°	152.2	2.7
170°-180°	53.3	1.0
0°-90°	4190.0	75.0
0°-180°	5589.7	100.0



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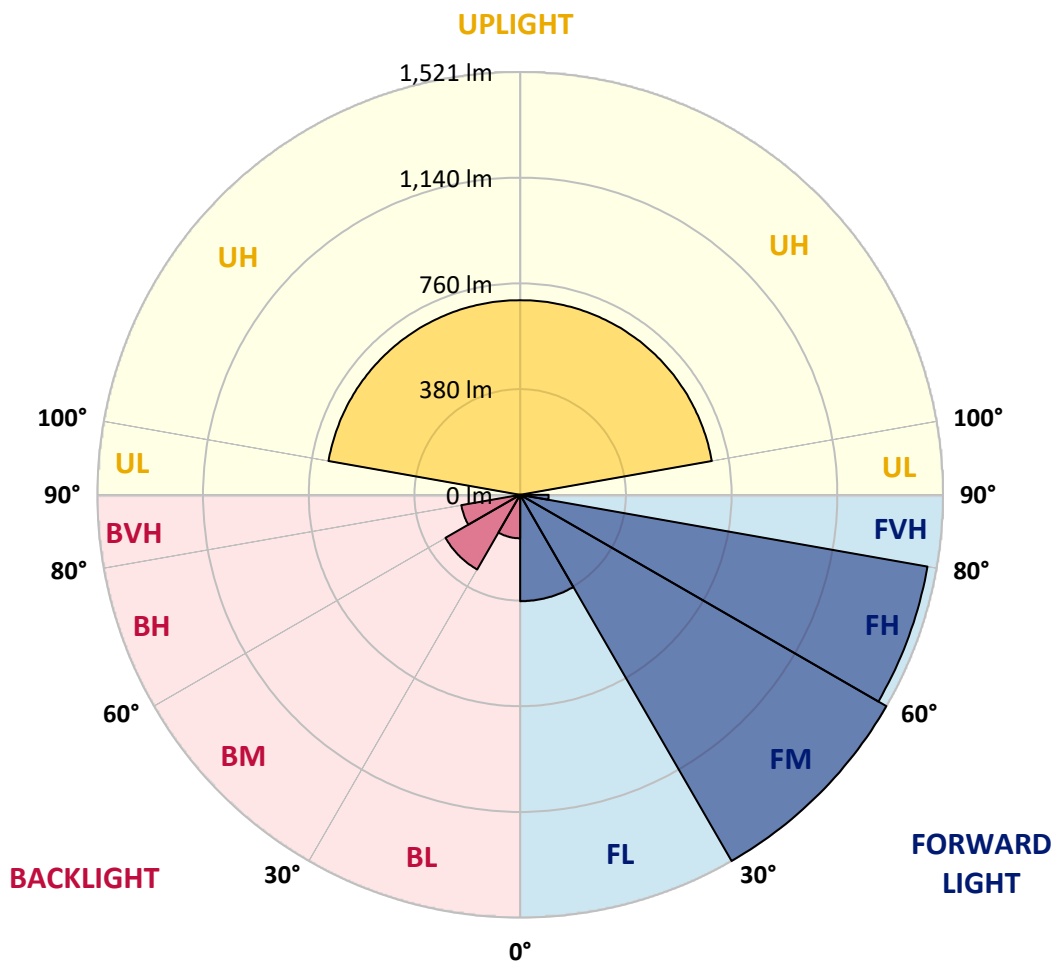
CATALOG NUMBER: ISC-AF-1000-LED-E1-SLL-7027-ULG

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.8	6.8			
FM	(30°-60°)	1520.6	27.2			
FH	(60°-80°)	1487.4	26.6			G1/1800
FVH	(80°-90°)	102.4	1.8			G2/225
BL	(0°-30°)	156.4	2.8	B1/500		
BM	(30°-60°)	310.1	5.5	B1/1000		
BH	(60°-80°)	215.0	3.8	B1/500		G1/500
BVH	(80°-90°)	15.2	0.3			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	12.5		U4/1000	

**BUG Rating: B1-U5-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1230.9	1227.5	1247.5	1250.8	1264.1	1264.1	1279.0	1292.2	1297.2	1308.8	1338.7
5°	1191.1	1201.0	1229.2	1257.4	1277.3	1297.2	1318.8	1345.3	1367.0	1403.4	1479.7
7.5°	1103.1	1118.0	1166.2	1194.4	1225.8	1260.7	1287.2	1318.8	1351.9	1413.3	1549.4
10°	1016.8	1028.5	1089.8	1124.7	1169.4	1206.0	1244.2	1279.0	1315.5	1391.7	1549.4
12.5°	962.2	977.1	1046.7	1079.9	1131.3	1169.4	1215.9	1257.4	1300.6	1381.9	1534.5
15°	950.5	967.0	1033.5	1074.9	1119.6	1156.2	1197.7	1240.8	1283.9	1363.5	1499.6
17.5°	982.0	1001.9	1073.3	1119.6	1154.5	1196.0	1225.8	1267.4	1295.5	1358.6	1423.3
20°	1056.7	1079.9	1164.6	1209.3	1237.4	1264.1	1287.2	1312.2	1323.7	1338.7	1327.1
22.5°	1176.2	1204.3	1300.6	1351.9	1371.8	1391.7	1393.5	1396.8	1388.4	1348.6	1259.1
25°	1347.0	1375.1	1484.7	1534.5	1534.5	1534.5	1516.2	1503.0	1464.8	1390.0	1240.8
27.5°	1506.2	1542.7	1673.7	1705.3	1695.3	1680.4	1645.5	1612.4	1557.6	1433.2	1239.1
30°	1625.7	1662.1	1783.2	1808.1	1783.2	1746.8	1692.0	1643.9	1579.2	1454.7	1250.8
32.5°	1735.2	1778.3	1894.3	1897.7	1852.9	1811.4	1750.1	1695.3	1627.3	1494.6	1285.7
35°	1851.2	1894.3	2012.1	1988.9	1924.3	1867.8	1804.9	1756.6	1688.7	1546.1	1342.0
37.5°	2012.1	2050.3	2149.8	2095.0	2012.1	1939.2	1871.2	1808.1	1740.1	1615.7	1436.6
40°	2168.1	2222.9	2314.0	2226.2	2125.0	2027.0	1952.5	1886.1	1811.4	1710.2	1557.6
42.5°	2314.0	2365.5	2450.0	2337.3	2219.5	2121.7	2043.6	1972.4	1901.0	1818.1	1703.6
45°	2425.2	2478.3	2549.6	2430.2	2295.8	2194.6	2110.0	2047.0	1984.0	1927.5	1887.8
47.5°	2533.0	2586.1	2640.8	2511.5	2378.7	2275.9	2176.4	2118.3	2068.5	2038.7	2086.9
50°	2672.4	2708.9	2755.3	2616.0	2475.0	2357.2	2257.7	2212.9	2166.4	2176.4	2337.3
52.5°	2861.6	2893.0	2909.6	2773.6	2616.0	2481.6	2372.2	2310.8	2272.6	2330.7	2602.7
55°	3128.5	3173.4	3136.8	3002.5	2803.4	2650.8	2516.4	2443.5	2420.2	2498.2	2868.1
57.5°	3359.1	3379.1	3352.6	3219.7	3015.8	2844.9	2702.2	2625.9	2599.3	2702.2	3110.3
60°	3460.3	3485.2	3521.6	3407.2	3216.5	3047.3	2924.5	2849.9	2805.0	2924.5	3304.3
62.5°	3476.9	3518.4	3608.0	3549.9	3399.0	3272.9	3161.8	3058.9	3024.1	3115.3	3432.2
65°	3412.2	3475.3	3612.9	3591.3	3506.7	3458.7	3365.8	3286.1	3219.7	3229.8	3425.5
67.5°	3266.2	3339.2	3500.2	3490.2	3500.2	3500.2	3418.9	3352.6	3266.2	3143.5	3173.4
70°	2914.6	3010.8	3196.6	3244.7	3329.3	3329.3	3258.0	3156.7	3057.2	2805.0	2652.4
72.5°	2335.6	2400.3	2685.7	2919.5	3027.4	2984.2	2914.6	2745.4	2526.4	2249.4	2042.0
75°	1580.8	1619.0	1969.1	2396.9	2592.8	2556.3	2441.9	2231.1	2005.6	1697.0	1435.0
77.5°	880.9	930.6	1192.7	1527.7	1791.5	1786.5	1771.6	1637.3	1458.1	1202.7	1066.6
80°	517.5	534.1	671.8	915.7	1142.9	1088.2	1050.1	943.8	852.6	736.5	841.0
82.5°	316.8	300.2	381.5	557.4	675.2	651.9	587.2	547.3	504.3	472.8	559.0
85°	86.2	78.0	155.9	233.9	287.0	310.3	310.3	307.0	275.4	207.4	248.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	3.0	4.0
100°	7.8	7.8	7.8	8.4	8.8	9.3	9.8	10.8	11.8	13.7	21.6
102.5°	27.5	27.5	27.5	28.5	29.5	30.5	31.4	32.9	34.3	37.3	44.2
105°	53.0	53.0	53.0	53.4	54.0	54.4	55.0	56.1	57.4	59.8	64.8
107.5°	76.5	76.4	75.5	76.4	77.1	77.7	78.5	79.5	80.5	82.5	86.3
110°	99.2	99.4	100.1	100.3	100.6	100.9	101.1	101.9	102.6	104.0	108.0



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**CANDELA DISTRIBUTION (continued):**

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
112.5°	121.7	121.7	121.7	122.2	122.7	123.2	123.7	124.4	125.1	126.6	129.5
115°	143.3	143.5	144.3	144.8	145.3	145.7	146.2	146.7	147.2	148.2	151.2
117.5°	165.8	166.1	166.8	167.4	167.8	168.3	168.8	169.3	169.8	170.8	173.7
120°	189.5	189.8	191.4	191.6	191.9	192.1	192.3	192.9	193.3	194.3	197.3
122.5°	215.0	215.1	216.0	216.1	216.4	216.7	216.9	217.4	217.9	218.8	221.8
125°	239.5	239.8	241.5	241.6	241.9	242.3	242.5	242.6	242.9	243.4	246.3
127.5°	262.0	262.5	264.0	264.2	264.6	264.8	265.0	265.4	266.0	267.0	269.0
130°	284.7	285.0	286.6	286.8	287.1	287.4	287.5	287.7	288.1	288.5	292.5
132.5°	307.2	307.4	308.2	308.9	309.6	310.4	311.2	311.4	311.6	312.1	315.0
135°	329.8	329.9	330.8	331.3	331.7	332.2	332.7	333.2	333.7	334.7	338.6
137.5°	352.3	352.6	353.3	354.1	354.8	355.5	356.3	356.4	356.8	357.3	360.2
140°	375.0	375.1	375.9	376.4	376.9	377.4	377.8	378.1	378.4	378.8	380.8
142.5°	396.5	396.9	398.5	398.9	399.5	399.9	400.5	400.3	399.9	399.5	402.4
145°	417.2	417.4	418.1	418.6	419.1	419.6	420.0	420.0	420.0	420.0	423.0
147.5°	435.8	435.8	435.8	436.6	437.3	437.9	438.7	438.9	439.2	439.7	443.7
150°	452.5	452.7	453.5	453.9	454.5	454.9	455.4	455.6	455.9	456.4	460.3
152.5°	470.2	470.4	471.1	471.9	472.6	473.2	474.0	473.9	473.6	473.0	476.0
155°	489.8	489.9	490.7	491.2	491.7	492.2	492.7	492.5	492.2	491.7	493.7
157.5°	503.5	503.9	505.5	505.9	506.5	506.9	507.5	507.3	506.9	506.5	509.4
160°	515.3	515.6	517.2	517.7	518.2	518.7	519.2	519.2	519.2	519.2	522.2
162.5°	525.1	525.3	526.0	526.9	527.6	528.2	529.0	528.8	528.6	528.0	531.0
165°	535.9	536.1	536.8	537.4	537.8	538.4	538.8	538.6	538.4	537.8	541.8
167.5°	544.7	544.9	545.7	546.5	547.2	547.9	548.7	548.4	548.1	547.7	550.6
170°	551.6	551.8	552.5	553.4	554.1	554.7	555.5	555.3	555.1	554.5	556.5
172.5°	554.5	554.7	555.5	556.3	556.9	557.7	558.5	557.9	557.5	556.5	558.5
175°	556.5	556.9	558.5	558.7	558.9	559.3	559.5	559.3	558.9	558.5	561.4
177.5°	561.4	561.6	562.4	562.9	563.3	563.9	564.3	564.1	563.9	563.3	567.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3





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**CANDELA DISTRIBUTION (continued):**

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1350.3	1351.9	1347.0	1358.6	1345.3	1338.7	1318.8	1318.8	1302.3	1288.9	1274.0
5°	1507.9	1517.9	1509.5	1511.2	1484.7	1458.1	1418.3	1395.1	1353.6	1308.8	1262.4
7.5°	1614.1	1630.6	1624.0	1595.7	1554.3	1497.9	1431.6	1368.6	1300.6	1227.5	1159.5
10°	1642.2	1660.4	1645.5	1592.4	1524.4	1444.8	1365.2	1280.6	1197.7	1119.6	1046.7
12.5°	1602.5	1615.7	1584.3	1526.1	1459.7	1380.2	1297.2	1224.2	1126.4	1043.4	958.9
15°	1501.2	1492.9	1489.6	1448.2	1401.7	1336.9	1259.1	1184.4	1093.1	1008.5	919.0
17.5°	1391.7	1381.9	1385.2	1368.6	1361.9	1332.1	1274.0	1210.9	1129.7	1026.9	930.6
20°	1295.5	1285.7	1290.5	1298.9	1323.7	1325.4	1315.5	1274.0	1214.3	1106.4	988.7
22.5°	1212.6	1214.3	1230.9	1254.0	1295.5	1348.6	1390.0	1398.4	1356.9	1230.9	1083.3
25°	1187.6	1179.5	1197.7	1235.8	1305.5	1408.4	1501.2	1547.7	1524.4	1398.4	1217.7
27.5°	1179.5	1167.9	1187.6	1237.4	1348.6	1492.9	1625.7	1695.3	1703.6	1574.2	1361.9
30°	1179.5	1174.4	1194.4	1259.1	1376.8	1521.1	1668.8	1773.3	1806.5	1698.7	1488.0
32.5°	1194.4	1197.7	1232.6	1315.5	1436.6	1584.3	1736.9	1849.6	1909.3	1828.1	1589.1
35°	1227.5	1234.2	1283.9	1380.2	1511.2	1660.4	1799.8	1914.3	2010.5	1967.4	1683.7
37.5°	1298.9	1308.8	1370.2	1468.1	1587.6	1721.9	1857.9	1980.7	2120.0	2101.8	1783.2
40°	1424.9	1424.9	1486.3	1571.0	1668.8	1771.6	1906.0	2050.3	2221.1	2246.0	1906.0
42.5°	1584.3	1577.5	1617.4	1678.8	1746.8	1833.0	1954.2	2115.0	2315.7	2370.4	1998.9
45°	1803.2	1770.0	1791.5	1806.5	1839.7	1892.7	2000.5	2176.4	2392.1	2463.3	2068.5
47.5°	2060.3	2013.8	1995.6	1967.4	1955.8	1975.6	2068.5	2224.6	2464.9	2543.0	2181.4
50°	2343.9	2299.1	2251.1	2174.8	2108.4	2088.5	2144.8	2289.2	2543.0	2642.5	2305.8
52.5°	2639.2	2607.7	2544.7	2425.2	2299.1	2227.8	2254.4	2396.9	2667.3	2796.9	2453.5
55°	2909.6	2919.5	2843.2	2703.9	2523.1	2413.6	2445.2	2587.7	2893.0	3045.6	2700.6
57.5°	3199.9	3173.4	3113.6	2969.3	2771.9	2654.1	2667.3	2839.9	3145.1	3261.3	2946.1
60°	3392.3	3392.3	3327.6	3218.2	3030.7	2921.2	2941.1	3100.4	3347.5	3359.1	3055.6
62.5°	3516.8	3535.0	3483.5	3405.6	3223.1	3131.9	3199.9	3312.7	3447.1	3350.9	3000.8
65°	3456.9	3476.9	3471.9	3385.7	3256.3	3249.7	3372.3	3399.0	3387.3	3229.8	2811.8
67.5°	3186.6	3146.9	3145.1	3100.4	3073.8	3211.5	3367.5	3375.7	3180.0	2992.5	2513.1
70°	2672.4	2604.4	2577.9	2591.1	2712.3	2969.3	3191.6	3128.5	2816.6	2655.7	2139.9
72.5°	2060.3	1979.0	1962.3	2013.8	2201.3	2563.0	2866.4	2778.5	2315.7	2128.3	1657.1
75°	1461.5	1426.6	1428.2	1529.5	1731.8	2080.1	2433.5	2425.2	1715.2	1468.1	1141.3
77.5°	1063.3	1069.9	1099.9	1139.6	1313.8	1650.5	1982.3	1960.7	1220.9	1008.5	798.0
80°	877.6	887.4	887.4	865.9	910.7	1089.8	1347.0	1438.2	817.7	678.5	557.4
82.5°	630.3	680.2	708.3	673.5	656.9	718.3	844.4	904.1	509.2	428.0	389.9
85°	300.2	343.4	353.3	344.9	396.4	452.8	482.7	494.3	278.7	199.1	255.5
87.5°	0.0	0.0	1.7	13.3	36.5	63.0	63.0	96.2	14.9	5.0	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	8.8	10.8	12.8	9.8	6.8	5.9	4.9	4.4	4.0	4.0	4.0
100°	29.5	30.5	31.4	30.5	29.5	27.9	26.5	26.1	25.5	24.5	25.5
102.5°	49.0	49.6	50.0	49.6	49.0	48.1	47.1	47.6	48.1	47.1	48.1
105°	68.7	69.2	69.7	69.7	69.7	68.7	67.7	68.7	69.7	67.7	69.7
107.5°	89.3	90.3	91.3	90.8	90.3	89.8	89.3	89.8	90.3	89.3	90.3
110°	110.0	110.9	111.9	111.9	111.9	111.4	110.9	111.4	111.9	110.9	111.9



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**CANDELA DISTRIBUTION (continued):**

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
112.5°	131.5	132.5	133.5	133.5	133.5	132.9	132.5	133.5	134.5	132.5	134.5
115°	153.1	154.1	155.0	155.0	155.0	155.0	155.0	156.0	157.0	156.0	157.0
117.5°	175.7	176.2	176.7	177.1	177.7	177.1	176.7	177.7	178.7	176.7	178.7
120°	198.3	199.2	200.2	200.2	200.2	200.2	200.2	201.2	202.2	200.2	202.2
122.5°	222.8	223.3	223.8	223.8	223.8	224.3	224.8	226.7	228.7	227.7	228.7
125°	247.3	247.8	248.3	248.8	249.3	249.3	249.3	250.8	252.2	251.3	252.2
127.5°	270.9	271.8	272.8	272.4	271.8	272.4	272.8	274.3	275.8	272.8	275.8
130°	293.5	294.5	295.5	295.5	295.5	295.9	296.4	297.9	299.3	297.4	299.3
132.5°	316.0	317.6	319.0	319.0	319.0	319.4	320.0	321.4	322.9	321.0	322.9
135°	338.6	340.1	341.5	341.5	341.5	342.1	342.5	343.5	344.5	343.5	344.5
137.5°	360.2	361.2	362.2	362.2	362.2	362.6	363.2	365.1	367.0	365.1	367.0
140°	381.8	382.3	382.8	382.8	382.8	383.8	384.7	386.7	388.7	386.7	388.7
142.5°	402.4	403.4	404.3	404.3	404.3	404.9	405.3	406.8	408.3	407.3	408.3
145°	424.0	425.0	426.0	425.4	425.0	425.4	426.0	427.4	428.9	427.0	428.9
147.5°	444.6	445.1	445.6	444.6	443.7	444.1	444.6	446.1	447.5	444.6	447.5
150°	461.3	461.8	462.3	461.3	460.3	460.3	460.3	462.3	464.2	461.3	464.2
152.5°	477.0	477.4	478.0	477.4	477.0	477.0	477.0	478.4	480.0	477.0	480.0
155°	493.7	494.2	494.7	494.2	493.7	494.2	494.7	496.1	497.6	495.7	497.6
157.5°	509.4	509.4	509.4	508.4	507.5	507.9	508.4	510.9	513.3	510.3	513.3
160°	522.2	522.2	522.2	521.2	520.2	520.2	520.2	521.6	523.2	521.2	523.2
162.5°	531.0	531.4	532.0	531.0	530.0	529.0	528.0	529.0	530.0	527.0	530.0
165°	541.8	542.3	542.8	541.3	539.8	538.8	537.8	538.8	539.8	537.8	539.8
167.5°	549.7	549.7	549.7	548.7	547.7	548.1	548.7	550.6	552.5	550.6	552.5
170°	555.5	555.1	554.5	554.1	553.5	554.5	555.5	557.9	560.5	558.5	560.5
172.5°	557.5	557.9	558.5	557.5	556.5	556.9	557.5	558.9	560.5	557.5	560.5
175°	561.4	561.9	562.4	560.9	559.5	558.5	557.5	558.9	560.5	557.5	560.5
177.5°	566.3	566.3	566.3	564.9	563.3	563.3	563.3	564.9	566.3	563.3	566.3
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
2.5°	1254.0	1232.6	1215.9	1196.0	1179.5	1162.9	1151.3	1126.4	1106.4	1061.7	1050.1
5°	1224.2	1177.8	1146.2	1116.4	1078.2	1051.6	1023.5	988.7	950.5	885.8	865.9
7.5°	1106.4	1048.4	1005.2	962.2	912.4	867.5	826.1	779.7	713.3	643.6	617.0
10°	978.7	917.3	857.6	806.2	746.5	696.7	660.3	627.1	573.9	520.8	486.1
12.5°	874.2	804.5	736.5	685.0	653.6	628.7	602.1	575.6	519.2	459.6	418.0
15°	826.1	744.9	685.0	642.0	613.7	583.9	552.4	522.5	456.2	386.5	336.8
17.5°	832.7	739.8	663.6	605.5	567.3	525.9	489.4	451.2	378.2	295.3	250.4
20°	869.2	744.9	640.3	572.3	517.5	464.4	418.0	369.9	280.3	215.6	184.2
22.5°	915.7	761.4	627.1	539.2	471.1	404.8	344.9	288.6	207.4	169.2	154.3
25°	995.3	799.5	623.7	509.2	426.3	346.7	285.3	225.7	167.5	149.3	141.0
27.5°	1094.9	842.7	627.1	487.7	388.2	300.2	232.2	187.5	150.9	141.0	134.4
30°	1194.4	887.4	612.1	454.5	343.4	257.2	199.1	170.9	149.3	137.7	126.0
32.5°	1282.3	920.7	587.2	419.7	303.5	219.0	169.2	146.0	131.1	117.8	114.4
35°	1345.3	935.6	559.0	398.1	277.0	195.7	149.3	131.1	116.2	102.9	96.2
37.5°	1404.9	937.2	529.2	378.2	267.1	185.8	137.7	121.1	107.9	96.2	89.7
40°	1466.4	930.6	512.7	358.3	252.2	180.8	132.7	112.7	104.6	91.3	84.6
42.5°	1511.2	919.0	505.9	346.7	238.9	167.5	129.4	111.1	99.5	89.7	81.3
45°	1552.7	907.4	505.9	336.8	228.9	159.3	122.8	112.7	96.2	87.9	78.0
47.5°	1602.5	912.4	507.6	328.4	220.6	150.9	116.2	109.4	97.8	86.2	76.3
50°	1687.1	968.7	515.9	323.5	214.0	144.3	111.1	104.6	107.9	84.6	74.6
52.5°	1833.0	1058.3	529.2	320.2	207.4	139.3	104.6	101.1	109.4	84.6	73.0
55°	2023.8	1149.7	542.5	311.8	197.4	129.4	101.1	94.5	101.1	84.6	71.3
57.5°	2209.7	1217.7	554.1	300.2	180.8	119.5	96.2	89.7	92.9	82.9	68.0
60°	2317.4	1270.7	565.7	280.3	160.9	107.9	91.3	84.6	82.9	82.9	66.4
62.5°	2347.2	1250.8	559.0	255.5	144.3	99.5	86.2	79.6	74.6	84.6	66.4
65°	2252.7	1146.2	534.1	233.9	132.7	96.2	81.3	76.3	71.3	73.0	63.0
67.5°	1962.3	963.8	466.1	214.0	131.1	94.5	78.0	73.0	66.4	64.7	59.6
70°	1600.8	756.5	386.5	199.1	129.4	94.5	74.6	68.0	63.0	58.1	54.8
72.5°	1230.9	565.7	325.2	192.5	131.1	92.9	69.7	61.4	56.4	53.1	49.8
75°	865.9	399.7	270.4	172.6	122.8	87.9	64.7	54.8	49.8	46.4	43.1
77.5°	627.1	272.1	200.7	139.3	104.6	76.3	56.4	46.4	41.5	39.9	36.5
80°	399.7	167.5	134.4	102.9	76.3	59.6	43.1	36.5	33.1	29.8	28.2
82.5°	230.5	97.8	81.3	69.7	49.8	39.9	31.5	28.2	21.6	19.9	18.2
85°	141.0	61.4	44.7	36.5	31.5	25.0	18.2	16.6	11.6	9.9	8.4
87.5°	31.5	13.3	11.6	8.4	9.9	8.4	5.0	3.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	4.4	4.9	5.9	6.8	9.8	12.8	10.8	8.8	4.0	3.0	2.0
100°	26.1	26.5	27.9	29.5	30.5	31.4	30.5	29.5	21.6	13.7	9.8
102.5°	47.6	47.1	48.1	49.0	49.6	50.0	49.6	49.0	44.2	37.3	31.4
105°	68.7	67.7	68.7	69.7	69.7	69.7	69.2	68.7	64.8	59.8	55.0
107.5°	89.8	89.3	89.8	90.3	90.8	91.3	90.3	89.3	86.3	82.5	78.5
110°	111.4	110.9	111.4	111.9	111.9	111.9	110.9	110.0	108.0	104.0	101.1



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°	
112.5°	133.5	132.5	132.9	133.5	133.5	133.5	132.5	131.5	129.5	126.6	123.7	0°
115°	156.0	155.0	155.0	155.0	155.0	155.0	154.1	153.1	151.2	148.2	146.2	2.5°
117.5°	177.7	176.7	177.1	177.7	177.1	176.7	176.2	175.7	173.7	170.8	168.8	5°
120°	201.2	200.2	200.2	200.2	200.2	200.2	199.2	198.3	197.3	194.3	192.3	7.5°
122.5°	226.7	224.8	224.3	223.8	223.8	223.8	223.3	222.8	221.8	218.8	216.9	10°
125°	250.8	249.3	249.3	249.3	248.8	248.3	247.8	247.3	246.3	243.4	242.5	12.5°
127.5°	274.3	272.8	272.4	271.8	272.4	272.8	271.8	270.9	269.0	267.0	265.0	15°
130°	297.9	296.4	295.9	295.5	295.5	295.5	294.5	293.5	292.5	288.5	287.5	17.5°
132.5°	321.4	320.0	319.4	319.0	319.0	319.0	317.6	316.0	315.0	312.1	311.2	20°
135°	343.5	342.5	342.1	341.5	341.5	341.5	340.1	338.6	338.6	334.7	332.7	22.5°
137.5°	365.1	363.2	362.6	362.2	362.2	362.2	361.2	360.2	360.2	357.3	356.3	25°
140°	386.7	384.7	383.8	382.8	382.8	382.8	382.3	381.8	380.8	378.8	377.8	27.5°
142.5°	406.8	405.3	404.9	404.3	404.3	404.3	403.4	402.4	402.4	399.5	400.5	30°
145°	427.4	426.0	425.4	425.0	425.4	426.0	425.0	424.0	423.0	420.0	420.0	32.5°
147.5°	446.1	444.6	444.1	443.7	444.6	445.6	445.1	444.6	443.7	439.7	438.7	35°
150°	462.3	460.3	460.3	460.3	461.3	462.3	461.8	461.3	460.3	456.4	455.4	37.5°
152.5°	478.4	477.0	477.0	477.0	477.4	478.0	477.4	477.0	476.0	473.0	474.0	40°
155°	496.1	494.7	494.2	493.7	494.2	494.7	494.2	493.7	493.7	491.7	492.7	42.5°
157.5°	510.9	508.4	507.9	507.5	508.4	509.4	509.4	509.4	509.4	506.5	507.5	45°
160°	521.6	520.2	520.2	520.2	521.2	522.2	522.2	522.2	522.2	519.2	519.2	47.5°
162.5°	529.0	528.0	529.0	530.0	531.0	532.0	531.4	531.0	531.0	528.0	529.0	50°
165°	538.8	537.8	538.8	539.8	541.3	542.8	542.3	541.8	541.8	537.8	538.8	52.5°
167.5°	550.6	548.7	548.1	547.7	548.7	549.7	549.7	549.7	550.6	547.7	548.7	55°
170°	557.9	555.5	554.5	553.5	554.1	554.5	555.1	555.5	556.5	554.5	555.5	57.5°
172.5°	558.9	557.5	556.9	556.5	557.5	558.5	557.9	557.5	558.5	556.5	558.5	60°
175°	558.9	557.5	558.5	559.5	560.9	562.4	561.9	561.4	561.4	558.5	559.5	62.5°
177.5°	564.9	563.3	563.3	563.3	564.9	566.3	566.3	566.3	567.3	563.3	564.3	65°
180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°

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REPORT NUMBER: P  
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**DISTRIBUTION (continued):**

**CANDELA DISTRIBUTION**

175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°	175°	175°
1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	112.5°	121.7
1031.8	1006.9	1008.5	1003.6	990.3	968.7	962.2	950.5	952.1	958.9	952.1	115°	144.3
842.7	812.9	816.1	814.5	801.2	786.3	774.7	759.8	754.8	759.8	751.4	117.5°	166.8
597.1	577.3	583.9	598.8	597.1	588.9	579.0	562.4	559.0	560.7	545.8	120°	191.4
456.2	436.3	431.3	429.6	426.3	421.3	408.1	394.9	389.9	391.5	381.5	122.5°	216.0
381.5	364.9	344.9	326.8	310.3	303.5	287.0	278.7	277.0	277.0	272.1	125°	241.5
301.9	288.6	277.0	258.8	245.5	235.5	223.9	217.3	215.6	217.3	217.3	127.5°	264.0
225.7	219.0	214.0	212.3	205.7	199.1	192.5	189.1	187.5	187.5	189.1	130°	286.6
172.6	170.9	170.9	170.9	179.1	185.8	187.5	182.4	180.8	179.1	177.4	132.5°	308.2
149.3	147.6	149.3	159.3	154.3	149.3	149.3	149.3	149.3	149.3	149.3	135°	330.8
137.7	139.3	141.0	136.0	131.1	127.6	126.0	126.0	124.4	124.4	126.0	137.5°	353.3
131.1	129.4	127.6	124.4	121.1	116.2	114.4	112.7	112.7	112.7	112.7	140°	375.9
122.8	121.1	119.5	116.2	111.1	104.6	102.9	102.9	101.1	102.9	102.9	142.5°	398.5
112.7	111.1	109.4	106.2	101.1	97.8	96.2	92.9	92.9	92.9	94.5	145°	418.1
91.3	89.7	89.7	91.3	91.3	89.7	89.7	86.2	86.2	86.2	86.2	147.5°	435.8
84.6	82.9	82.9	81.3	82.9	84.6	82.9	81.3	81.3	79.6	79.6	150°	453.5
79.6	79.6	78.0	76.3	76.3	79.6	78.0	76.3	74.6	74.6	74.6	152.5°	471.1
76.3	74.6	74.6	73.0	73.0	73.0	71.3	69.7	68.0	68.0	68.0	155°	490.7
73.0	73.0	71.3	69.7	68.0	68.0	64.7	63.0	63.0	63.0	64.7	157.5°	505.5
71.3	69.7	69.7	68.0	66.4	63.0	61.4	59.6	59.6	59.6	59.6	160°	517.2
69.7	68.0	66.4	66.4	63.0	61.4	59.6	58.1	58.1	58.1	58.1	162.5°	526.0
68.0	66.4	64.7	63.0	61.4	59.6	58.1	56.4	56.4	56.4	56.4	165°	536.8
64.7	63.0	63.0	61.4	61.4	59.6	58.1	56.4	56.4	56.4	54.8	167.5°	545.7
63.0	61.4	59.6	59.6	59.6	58.1	56.4	54.8	54.8	54.8	54.8	170°	552.5
61.4	59.6	59.6	58.1	58.1	56.4	56.4	54.8	53.1	53.1	51.5	172.5°	555.5
59.6	58.1	58.1	56.4	58.1	56.4	54.8	53.1	51.5	51.5	49.8	175°	558.5
58.1	56.4	56.4	56.4	54.8	54.8	53.1	49.8	49.8	49.8	48.1	177.5°	562.4
54.8	53.1	53.1	54.8	53.1	51.5	51.5	48.1	48.1	46.4	46.4	180°	565.3
49.8	49.8	49.8	51.5	49.8	48.1	48.1	46.4	44.7	43.1	43.1		
46.4	44.7	46.4	46.4	46.4	44.7	46.4	43.1	41.5	39.9	39.9		
39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	38.2	36.5	34.9		
31.5	33.1	33.1	33.1	33.1	34.9	33.1	33.1	33.1	31.5	29.8		
23.3	23.3	25.0	26.5	25.0	26.5	25.0	26.5	25.0	25.0	25.0		
13.3	13.3	14.9	16.6	16.6	18.2	14.9	16.6	16.6	18.2	16.6		
5.0	5.0	5.0	5.0	6.6	6.6	5.0	6.6	6.6	8.4	8.4		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
2.0	2.0	2.0	2.0	3.0	4.0	8.8	10.8	11.8	12.8	11.3		
7.8	7.8	7.8	9.8	13.7	21.6	29.5	30.5	30.9	31.4	30.9		
27.5	27.5	27.5	31.4	37.3	44.2	49.0	49.6	49.9	50.0	49.9		
53.0	53.0	53.0	55.0	59.8	64.8	68.7	69.2	69.5	69.7	69.7		
75.5	76.5	75.5	78.5	82.5	86.3	89.3	90.3	90.8	91.3	91.1		
100.1	99.2	100.1	101.1	104.0	108.0	110.0	110.9	111.4	111.9	111.9		

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 ISC-AF-1000-LED-E1-SLL-7027-ULG

REPORT NUMBER: P271475  
 CATALOG NUMBER: ISC-AF-10

**TION (continued):**

**CANDELA DISTRIBUTION (con**

180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°		240°	242.5°
121.7	121.7	123.7	126.6	129.5	131.5	132.5	132.9	133.5	133.5	0°	1159.5	1159.5
143.3	144.3	146.2	148.2	151.2	153.1	154.1	154.6	155.0	155.0	2.5°	965.5	965.5
165.8	166.8	168.8	170.8	173.7	175.7	176.2	176.4	176.7	176.9	5°	758.1	756.5
189.5	191.4	192.3	194.3	197.3	198.3	199.2	199.7	200.2	200.2	7.5°	550.8	545.8
215.0	216.0	216.9	218.8	221.8	222.8	223.3	223.6	223.8	223.8	10°	384.8	371.6
239.5	241.5	242.5	243.4	246.3	247.3	247.8	248.1	248.3	248.5	12.5°	278.7	273.7
262.0	264.0	265.0	267.0	269.0	270.9	271.8	272.4	272.8	272.6	15°	220.6	220.6
284.7	286.6	287.5	288.5	292.5	293.5	294.5	294.9	295.5	295.5	17.5°	190.8	190.8
307.2	308.2	311.2	312.1	315.0	316.0	317.6	318.2	319.0	319.0	20°	175.9	174.2
329.8	330.8	332.7	334.7	338.6	338.6	340.1	340.7	341.5	341.5	22.5°	150.9	149.3
352.3	353.3	356.3	357.3	360.2	360.2	361.2	361.7	362.2	362.2	25°	124.4	124.4
375.0	375.9	377.8	378.8	380.8	381.8	382.3	382.6	382.8	382.8	27.5°	112.7	112.7
396.5	398.5	400.5	399.5	402.4	402.4	403.4	403.9	404.3	404.3	30°	102.9	104.6
417.2	418.1	420.0	420.0	423.0	424.0	425.0	425.4	426.0	425.8	32.5°	94.5	94.5
435.8	435.8	438.7	439.7	443.7	444.6	445.1	445.4	445.6	445.1	35°	84.6	84.6
452.5	453.5	455.4	456.4	460.3	461.3	461.8	462.1	462.3	461.8	37.5°	78.0	76.3
470.2	471.1	474.0	473.0	476.0	477.0	477.4	477.8	478.0	477.8	40°	71.3	71.3
489.8	490.7	492.7	491.7	493.7	493.7	494.2	494.4	494.7	494.4	42.5°	66.4	66.4
503.5	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	508.9	45°	63.0	63.0
515.3	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	521.6	47.5°	61.4	61.4
525.1	526.0	529.0	528.0	531.0	531.0	531.4	531.8	532.0	531.4	50°	58.1	58.1
535.9	536.8	538.8	537.8	541.8	541.8	542.3	542.6	542.8	541.9	52.5°	56.4	56.4
544.7	545.7	548.7	547.7	550.6	549.7	549.7	549.7	549.7	549.1	55°	54.8	56.4
551.6	552.5	555.5	554.5	556.5	555.5	555.1	554.7	554.5	554.3	57.5°	53.1	53.1
554.5	555.5	558.5	556.5	558.5	557.5	557.9	558.3	558.5	557.9	60°	51.5	51.5
556.5	558.5	559.5	558.5	561.4	561.4	561.9	562.2	562.4	561.6	62.5°	49.8	49.8
561.4	562.4	564.3	563.3	567.3	566.3	566.3	566.3	566.3	565.6	65°	48.1	48.1
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	44.7	44.7
										70°	41.5	41.5
										72.5°	38.2	38.2
										75°	34.9	33.1
										77.5°	29.8	28.2
										80°	25.0	23.3
										82.5°	18.2	16.6
										85°	8.4	8.4
										87.5°	0.0	0.0
										90°	0.0	0.0
										92.5°	0.0	0.0
										95°	1.0	1.0
										97.5°	9.8	8.4
										100°	30.5	29.9
										102.5°	49.6	49.2
										105°	69.7	69.7
										107.5°	90.8	90.5
										110°	111.9	111.9



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**tinued):**

**CANDELA DISTRIBUTION (continued):**

245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		240°	242.5°	245°
1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	112.5°	133.5	133.5	133.5
945.6	948.9	952.1	958.9	955.4	953.8	952.1	962.2	967.0	115°	155.0	155.0	155.0
731.5	730.0	734.8	736.5	731.5	723.2	718.3	719.9	724.9	117.5°	177.1	177.4	177.7
522.5	519.2	517.5	519.2	514.2	505.9	499.3	501.0	505.9	120°	200.2	200.2	200.2
368.2	369.9	373.2	376.6	376.6	376.6	378.2	388.2	399.7	122.5°	223.8	223.8	223.8
277.0	280.3	287.0	291.9	296.9	298.6	300.2	313.5	323.5	125°	248.8	249.1	249.3
223.9	225.7	228.9	232.2	235.5	235.5	237.2	242.3	250.4	127.5°	272.4	272.1	271.8
190.8	190.8	190.8	189.1	187.5	184.2	182.4	180.8	182.4	130°	295.5	295.5	295.5
170.9	169.2	165.8	162.5	160.9	155.9	154.3	149.3	147.6	132.5°	319.0	319.0	319.0
149.3	149.3	149.3	147.6	146.0	144.3	141.0	136.0	132.7	135°	341.5	341.5	341.5
124.4	126.0	126.0	127.6	131.1	131.1	131.1	131.1	126.0	137.5°	362.2	362.2	362.2
112.7	112.7	114.4	114.4	116.2	116.2	116.2	117.8	119.5	140°	382.8	382.8	382.8
104.6	106.2	106.2	107.9	107.9	109.4	109.4	111.1	111.1	142.5°	404.3	404.3	404.3
96.2	97.8	97.8	97.8	101.1	101.1	99.5	101.1	101.1	145°	425.4	425.2	425.0
84.6	84.6	84.6	84.6	84.6	84.6	81.3	79.6	81.3	147.5°	444.6	444.1	443.7
76.3	74.6	73.0	73.0	73.0	74.6	73.0	74.6	74.6	150°	461.3	460.8	460.3
69.7	69.7	69.7	69.7	69.7	69.7	69.7	71.3	73.0	152.5°	477.4	477.2	477.0
66.4	66.4	66.4	66.4	66.4	66.4	66.4	68.0	68.0	155°	494.2	493.9	493.7
63.0	63.0	64.7	64.7	64.7	64.7	64.7	64.7	66.4	157.5°	508.4	507.9	507.5
61.4	61.4	61.4	61.4	61.4	61.4	61.4	63.0	64.7	160°	521.2	520.7	520.2
59.6	59.6	59.6	59.6	59.6	59.6	59.6	61.4	63.0	162.5°	531.0	530.4	530.0
56.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	59.6	165°	541.3	540.6	539.8
56.4	56.4	56.4	56.4	54.8	54.8	54.8	54.8	56.4	167.5°	548.7	548.1	547.7
54.8	54.8	54.8	53.1	53.1	51.5	51.5	51.5	54.8	170°	554.1	553.7	553.5
51.5	51.5	51.5	49.8	49.8	49.8	49.8	51.5	51.5	172.5°	557.5	556.9	556.5
48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	175°	560.9	560.3	559.5
46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	177.5°	564.9	564.1	563.3
44.7	43.1	43.1	43.1	43.1	44.7	43.1	43.1	43.1	180°	565.3	565.3	565.3
41.5	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9				
38.2	38.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5				
33.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5				
28.2	28.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5				
23.3	21.6	21.6	21.6	21.6	21.6	21.6	19.9	19.9				
16.6	16.6	16.6	14.9	14.9	14.9	14.9	13.3	11.6				
6.6	8.4	8.4	9.9	8.4	8.4	8.4	6.6	3.3				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
6.8	6.4	5.9	5.4	4.9	4.7	4.4	4.0	4.0				
29.5	28.7	27.9	27.3	26.5	26.3	26.1	25.5	24.5				
49.0	48.6	48.1	47.6	47.1	47.3	47.6	48.1	47.1				
69.7	69.2	68.7	68.2	67.7	68.2	68.7	69.7	67.7				
90.3	90.1	89.8	89.5	89.3	89.5	89.8	90.3	89.3				
111.9	111.7	111.4	111.1	110.9	111.1	111.4	111.9	110.9				



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**CANDELA DISTRIBUTION (continued):**

247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		275°	280°	282.5°	285°
133.3	132.9	132.7	132.5	132.9	133.5	134.5	132.5	0°	1159.5	1159.5	1159.5	1159.5
155.0	155.0	155.0	155.0	155.6	156.0	157.0	156.0	2.5°	963.8	980.4	982.0	972.1
177.4	177.1	176.9	176.7	177.1	177.7	178.7	176.7	5°	718.3	739.8	738.1	724.9
200.2	200.2	200.2	200.2	200.7	201.2	202.2	200.2	7.5°	507.6	525.9	524.3	522.5
223.9	224.3	224.6	224.8	225.7	226.7	228.7	227.7	10°	411.4	428.0	432.9	444.6
249.3	249.3	249.3	249.3	250.1	250.8	252.2	251.3	12.5°	333.5	353.3	358.3	371.6
272.1	272.4	272.6	272.8	273.6	274.3	275.8	272.8	15°	257.2	273.7	278.7	288.6
295.6	295.9	296.2	296.4	297.2	297.9	299.3	297.4	17.5°	189.1	199.1	202.4	209.0
319.2	319.4	319.8	320.0	320.8	321.4	322.9	321.0	20°	147.6	150.9	152.6	154.3
341.7	342.1	342.3	342.5	343.1	343.5	344.5	343.5	22.5°	132.7	134.4	134.4	136.0
362.4	362.6	362.9	363.2	364.2	365.1	367.0	365.1	25°	122.8	124.4	124.4	126.0
383.3	383.8	384.3	384.7	385.7	386.7	388.7	386.7	27.5°	117.8	117.8	117.8	117.8
404.6	404.9	405.1	405.3	406.1	406.8	408.3	407.3	30°	112.7	112.7	112.7	114.4
425.2	425.4	425.8	426.0	426.8	427.4	428.9	427.0	32.5°	104.6	101.1	104.6	102.9
443.9	444.1	444.4	444.6	445.4	446.1	447.5	444.6	35°	81.3	81.3	82.9	84.6
460.3	460.3	460.3	460.3	461.3	462.3	464.2	461.3	37.5°	76.3	78.0	78.0	79.6
477.0	477.0	477.0	477.0	477.8	478.4	480.0	477.0	40°	73.0	74.6	76.3	78.0
493.9	494.2	494.4	494.7	495.4	496.1	497.6	495.7	42.5°	69.7	73.0	73.0	74.6
507.6	507.9	508.2	508.4	509.6	510.9	513.3	510.3	45°	68.0	69.7	71.3	73.0
520.2	520.2	520.2	520.2	520.9	521.6	523.2	521.2	47.5°	66.4	68.0	69.7	71.3
529.6	529.0	528.6	528.0	528.6	529.0	530.0	527.0	50°	63.0	66.4	68.0	69.7
539.3	538.8	538.4	537.8	538.4	538.8	539.8	537.8	52.5°	61.4	64.7	64.7	68.0
547.9	548.1	548.4	548.7	549.7	550.6	552.5	550.6	55°	58.1	61.4	61.4	64.7
554.1	554.5	555.1	555.5	556.7	557.9	560.5	558.5	57.5°	54.8	58.1	59.6	61.4
556.7	556.9	557.3	557.5	558.3	558.9	560.5	557.5	60°	53.1	54.8	56.4	58.1
558.9	558.5	557.9	557.5	558.3	558.9	560.5	557.5	62.5°	49.8	53.1	54.8	56.4
563.3	563.3	563.3	563.3	564.1	564.9	566.3	563.3	65°	48.1	51.5	51.5	54.8
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	44.7	48.1	48.1	49.8
								70°	41.5	43.1	44.7	46.4
								72.5°	38.2	39.9	39.9	41.5
								75°	31.5	33.1	34.9	36.5
								77.5°	26.5	26.5	29.8	29.8
								80°	19.9	19.9	21.6	23.3
								82.5°	11.6	11.6	13.3	13.3
								85°	3.3	3.3	3.3	3.3
								87.5°	0.0	0.0	0.0	0.0
								90°	0.0	0.0	0.0	0.0
								92.5°	0.0	0.0	0.0	0.0
								95°	1.0	1.0	1.0	1.0
								97.5°	4.0	4.4	4.7	4.9
								100°	25.5	26.1	26.3	26.5
								102.5°	48.1	47.6	47.3	47.1
								105°	69.7	68.7	68.2	67.7
								107.5°	90.3	89.8	89.5	89.3
								110°	111.9	111.4	111.1	110.9





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**CANDELA DISTRIBUTION (continued):**

287.5°	290°	292.5°	295°	297.5°	300°	302.5°		275°	280°	282.5°	285°	287.5°
1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5	112.5°	134.5	133.5	132.9	132.5	132.7
992.0	995.3	990.3	990.3	993.6	1006.9	1006.9	115°	157.0	156.0	155.6	155.0	155.0
751.4	759.8	754.8	756.5	763.1	778.0	786.3	117.5°	178.7	177.7	177.1	176.7	176.9
539.2	545.8	549.0	554.1	573.9	575.6	585.5	120°	202.2	201.2	200.7	200.2	200.2
449.5	459.6	466.1	474.5	491.0	499.3	511.0	122.5°	228.7	226.7	225.7	224.8	224.6
378.2	389.9	396.4	413.0	423.0	432.9	447.9	125°	252.2	250.8	250.1	249.3	249.3
295.3	308.6	315.1	325.2	344.9	355.0	375.0	127.5°	275.8	274.3	273.6	272.8	272.6
214.0	219.0	232.2	248.8	260.5	277.0	287.0	130°	299.3	297.9	297.2	296.4	296.2
157.7	160.9	167.5	179.1	185.8	199.1	209.0	132.5°	322.9	321.4	320.8	320.0	319.8
136.0	137.7	141.0	144.3	147.6	152.6	157.7	135°	344.5	343.5	343.1	342.5	342.3
126.0	127.6	129.4	131.1	134.4	136.0	137.7	137.5°	367.0	365.1	364.2	363.2	362.9
119.5	119.5	121.1	124.4	124.4	127.6	129.4	140°	388.7	386.7	385.7	384.7	384.3
116.2	119.5	122.8	127.6	129.4	132.7	134.4	142.5°	408.3	406.8	406.1	405.3	405.1
99.5	99.5	101.1	104.6	104.6	106.2	107.9	145°	428.9	427.4	426.8	426.0	425.8
84.6	86.2	87.9	89.7	91.3	94.5	96.2	147.5°	447.5	446.1	445.4	444.6	444.4
81.3	81.3	82.9	86.2	87.9	89.7	91.3	150°	464.2	462.3	461.3	460.3	460.3
78.0	79.6	81.3	82.9	84.6	87.9	89.7	152.5°	480.0	478.4	477.8	477.0	477.0
76.3	78.0	79.6	81.3	84.6	86.2	87.9	155°	497.6	496.1	495.4	494.7	494.4
74.6	76.3	78.0	81.3	82.9	86.2	87.9	157.5°	513.3	510.9	509.6	508.4	508.2
73.0	74.6	76.3	79.6	82.9	86.2	89.7	160°	523.2	521.6	520.9	520.2	520.2
71.3	73.0	76.3	79.6	82.9	87.9	96.2	162.5°	530.0	529.0	528.6	528.0	528.6
69.7	73.0	76.3	79.6	84.6	91.3	99.5	165°	539.8	538.8	538.4	537.8	538.4
68.0	71.3	73.0	78.0	82.9	89.7	91.3	167.5°	552.5	550.6	549.7	548.7	548.4
64.7	68.0	69.7	74.6	81.3	82.9	81.3	170°	560.5	557.9	556.7	555.5	555.1
61.4	63.0	68.0	78.0	84.6	78.0	69.7	172.5°	560.5	558.9	558.3	557.5	557.3
59.6	61.4	64.7	71.3	73.0	64.7	63.0	175°	560.5	558.9	558.3	557.5	557.9
56.4	56.4	58.1	58.1	58.1	58.1	58.1	177.5°	566.3	564.9	564.1	563.3	563.3
51.5	51.5	53.1	53.1	53.1	53.1	53.1	180°	565.3	565.3	565.3	565.3	565.3
46.4	46.4	48.1	48.1	48.1	49.8	49.8						
41.5	43.1	43.1	44.7	44.7	44.7	46.4						
36.5	38.2	38.2	38.2	38.2	39.9	39.9						
31.5	31.5	33.1	33.1	33.1	33.1	33.1						
25.0	25.0	25.0	25.0	25.0	25.0	25.0						
14.9	14.9	16.6	14.9	14.9	13.3	13.3						
3.3	3.3	3.3	1.7	1.7	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
0.0	0.0	0.0	0.0	0.0	0.0	0.0						
1.0	1.0	1.0	1.0	1.0	1.0	1.0						
5.4	5.9	6.4	6.8	8.4	9.8	11.3						
27.3	27.9	28.7	29.5	29.9	30.5	30.9						
47.6	48.1	48.6	49.0	49.2	49.6	49.9						
68.2	68.7	69.2	69.7	69.7	69.7	69.7						
89.5	89.8	90.1	90.3	90.5	90.8	91.1						
111.1	111.4	111.7	111.9	111.9	111.9	111.9						



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**CANDELA DISTRIBUTION (continued):**

290°	292.5°	295°	297.5°	300°	302.5°		305°	307.5°	310°	312.5°	315°	317.5°
132.9	133.3	133.5	133.5	133.5	133.5	0°	1159.5	1159.5	1159.5	1159.5	1159.5	1159.5
155.0	155.0	155.0	155.0	155.0	155.0	2.5°	1031.8	1031.8	1035.0	1048.4	1051.6	1060.0
177.1	177.4	177.7	177.4	177.1	176.9	5°	816.1	822.8	832.7	849.3	859.3	877.6
200.2	200.2	200.2	200.2	200.2	200.2	7.5°	608.8	618.8	627.1	645.3	660.3	678.5
224.3	223.9	223.8	223.8	223.8	223.8	10°	527.6	535.7	547.3	559.0	573.9	582.2
249.3	249.3	249.3	249.1	248.8	248.5	12.5°	469.5	481.0	492.7	509.2	524.3	539.2
272.4	272.1	271.8	272.1	272.4	272.6	15°	398.1	411.4	424.7	443.0	464.4	479.3
295.9	295.6	295.5	295.5	295.5	295.5	17.5°	308.6	323.5	341.7	366.6	389.9	408.1
319.4	319.2	319.0	319.0	319.0	319.0	20°	227.2	240.6	257.2	278.7	295.3	326.8
342.1	341.7	341.5	341.5	341.5	341.5	22.5°	167.5	175.9	189.1	205.7	223.9	252.2
362.6	362.4	362.2	362.2	362.2	362.2	25°	141.0	144.3	149.3	159.3	170.9	190.8
383.8	383.3	382.8	382.8	382.8	382.8	27.5°	131.1	132.7	136.0	141.0	147.6	157.7
404.9	404.6	404.3	404.3	404.3	404.3	30°	137.7	137.7	137.7	139.3	142.7	147.6
425.4	425.2	425.0	425.2	425.4	425.8	32.5°	111.1	112.7	112.7	116.2	117.8	124.4
444.1	443.9	443.7	444.1	444.6	445.1	35°	99.5	101.1	102.9	104.6	107.9	109.4
460.3	460.3	460.3	460.8	461.3	461.8	37.5°	94.5	96.2	97.8	97.8	99.5	102.9
477.0	477.0	477.0	477.2	477.4	477.8	40°	92.9	92.9	92.9	92.9	96.2	99.5
494.2	493.9	493.7	493.9	494.2	494.4	42.5°	89.7	89.7	89.7	91.3	96.2	102.9
507.9	507.6	507.5	507.9	508.4	508.9	45°	89.7	89.7	91.3	97.8	99.5	99.5
520.2	520.2	520.2	520.7	521.2	521.6	47.5°	92.9	96.2	97.8	96.2	94.5	94.5
529.0	529.6	530.0	530.4	531.0	531.4	50°	101.1	99.5	92.9	91.3	91.3	87.9
538.8	539.3	539.8	540.6	541.3	541.9	52.5°	99.5	92.9	91.3	87.9	84.6	82.9
548.1	547.9	547.7	548.1	548.7	549.1	55°	89.7	87.9	82.9	79.6	78.0	79.6
554.5	554.1	553.5	553.7	554.1	554.3	57.5°	78.0	76.3	73.0	73.0	74.6	76.3
556.9	556.7	556.5	556.9	557.5	557.9	60°	68.0	68.0	68.0	69.7	71.3	73.0
558.5	558.9	559.5	560.3	560.9	561.6	62.5°	61.4	63.0	63.0	66.4	68.0	69.7
563.3	563.3	563.3	564.1	564.9	565.6	65°	58.1	59.6	61.4	61.4	63.0	64.7
565.3	565.3	565.3	565.3	565.3	565.3	67.5°	54.8	54.8	56.4	58.1	59.6	61.4
						70°	49.8	51.5	53.1	54.8	54.8	56.4
						72.5°	46.4	46.4	48.1	49.8	49.8	53.1
						75°	39.9	41.5	41.5	41.5	43.1	46.4
						77.5°	34.9	33.1	34.9	34.9	36.5	38.2
						80°	25.0	23.3	23.3	25.0	25.0	25.0
						82.5°	13.3	11.6	13.3	11.6	11.6	13.3
						85°	0.0	0.0	0.0	0.0	0.0	0.0
						87.5°	0.0	0.0	0.0	0.0	0.0	0.0
						90°	0.0	0.0	0.0	0.0	0.0	0.0
						92.5°	0.0	0.0	0.0	0.0	0.0	0.0
						95°	1.0	1.0	1.0	1.0	1.0	1.0
						97.5°	12.8	11.8	10.8	9.8	8.8	7.6
						100°	31.4	30.9	30.5	29.9	29.5	27.5
						102.5°	50.0	49.9	49.6	49.2	49.0	47.9
						105°	69.7	69.5	69.2	68.9	68.7	67.7
						107.5°	91.3	90.8	90.3	89.8	89.3	88.6
						110°	111.9	111.4	110.9	110.4	110.0	109.4

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**CANDELA DISTRIBUTION (continued):**

320°	322.5°	325°	335°	345°		305°	307.5°	310°	312.5°	315°	317.5°	320°
1159.5	1159.5	1159.5	1159.5	1159.5	112.5°	133.5	132.9	132.5	132.1	131.5	131.1	130.5
1058.3	1073.3	1079.9	1119.6	1161.1	115°	155.0	154.6	154.1	153.6	153.1	152.6	152.2
874.2	904.1	909.1	982.0	1053.4	117.5°	176.7	176.4	176.2	175.9	175.7	175.2	174.7
683.4	718.3	728.3	824.5	924.0	120°	200.2	199.7	199.2	198.7	198.3	198.1	197.8
595.6	612.1	623.7	695.1	809.6	122.5°	223.8	223.6	223.3	223.0	222.8	222.6	222.3
552.4	569.0	583.9	642.0	731.5	125°	248.3	248.1	247.8	247.6	247.3	247.1	246.9
494.3	512.7	530.8	602.1	706.7	127.5°	272.8	272.4	271.8	271.4	270.9	270.4	269.9
423.0	447.9	471.1	557.4	695.1	130°	295.5	294.9	294.5	293.9	293.5	293.3	292.9
343.4	373.2	401.5	509.2	678.5	132.5°	319.0	318.2	317.6	316.8	316.0	315.8	315.6
270.4	296.9	328.4	464.4	678.5	135°	341.5	340.7	340.1	339.4	338.6	338.6	338.6
209.0	235.5	267.1	424.7	696.7	137.5°	362.2	361.7	361.2	360.7	360.2	360.2	360.2
170.9	192.5	223.9	393.2	723.2	140°	382.8	382.6	382.3	382.0	381.8	381.6	381.3
154.3	167.5	187.5	346.7	741.6	142.5°	404.3	403.9	403.4	402.9	402.4	402.4	402.4
131.1	141.0	159.3	318.4	753.0	145°	426.0	425.4	425.0	424.4	424.0	423.8	423.6
116.2	127.6	146.0	300.2	751.4	147.5°	445.6	445.4	445.1	444.8	444.6	444.4	444.1
107.9	119.5	141.0	293.7	751.4	150°	462.3	462.1	461.8	461.5	461.3	461.1	460.8
107.9	119.5	137.7	287.0	756.5	152.5°	478.0	477.8	477.4	477.2	477.0	476.8	476.6
106.2	112.7	127.6	283.7	764.7	155°	494.7	494.4	494.2	493.9	493.7	493.7	493.7
101.1	106.2	121.1	283.7	781.3	157.5°	509.4	509.4	509.4	509.4	509.4	509.4	509.4
94.5	101.1	116.2	288.6	812.9	160°	522.2	522.2	522.2	522.2	522.2	522.2	522.2
89.7	96.2	114.4	288.6	877.6	162.5°	532.0	531.8	531.4	531.2	531.0	531.0	531.0
84.6	94.5	112.7	285.3	970.3	165°	542.8	542.6	542.3	541.9	541.8	541.8	541.8
82.9	91.3	109.4	282.0	1084.8	167.5°	549.7	549.7	549.7	549.7	549.7	549.9	550.1
81.3	87.9	101.1	273.7	1176.2	170°	554.5	554.7	555.1	555.3	555.5	555.7	556.1
78.0	82.9	92.9	258.8	1237.4	172.5°	558.5	558.3	557.9	557.7	557.5	557.7	557.9
73.0	78.0	84.6	242.3	1250.8	175°	562.4	562.2	561.9	561.6	561.4	561.4	561.4
69.7	74.6	84.6	228.9	1169.4	177.5°	566.3	566.3	566.3	566.3	566.3	566.5	566.8
64.7	73.0	86.2	217.3	992.0	180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3
61.4	73.0	87.9	212.3	787.9								
58.1	71.3	89.7	204.1	593.9								
53.1	64.7	78.0	169.2	401.5								
43.1	49.8	58.1	107.9	212.3								
28.2	29.8	33.1	66.4	117.8								
13.3	16.6	16.6	31.5	53.1								
0.0	0.0	0.0	3.3	11.6								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
0.0	0.0	0.0	0.0	0.0								
1.0	1.0	1.0	1.0	1.0								
6.4	5.1	4.0	3.0	2.0								
25.5	23.5	21.6	13.7	9.8								
46.6	45.4	44.2	37.3	31.4								
66.7	65.8	64.8	59.8	55.0								
87.9	87.1	86.3	82.5	78.5								
109.0	108.4	108.0	104.0	101.1								

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**CANDELA DISTRIBUTION (continued):**

322.5°	325°	335°	345°		355°	359°	360°
130.1	129.5	126.6	123.7	0°	1159.5	1159.5	1159.5
151.6	151.2	148.2	146.2	2.5°	1201.0	1220.9	1230.9
174.2	173.7	170.8	168.8	5°	1136.3	1177.8	1191.1
197.4	197.3	194.3	192.3	7.5°	1038.4	1084.8	1103.1
222.0	221.8	218.8	216.9	10°	940.5	998.6	1016.8
246.6	246.3	243.4	242.5	12.5°	882.5	952.1	962.2
269.4	269.0	267.0	265.0	15°	859.3	930.6	950.5
292.7	292.5	288.5	287.5	17.5°	882.5	962.2	982.0
315.2	315.0	312.1	311.2	20°	927.3	1025.1	1056.7
338.6	338.6	334.7	332.7	22.5°	1003.6	1136.3	1176.2
360.2	360.2	357.3	356.3	25°	1128.0	1312.2	1347.0
381.0	380.8	378.8	377.8	27.5°	1260.7	1451.5	1506.2
402.4	402.4	399.5	400.5	30°	1376.8	1580.8	1625.7
423.2	423.0	420.0	420.0	32.5°	1459.7	1683.7	1735.2
443.9	443.7	439.7	438.7	35°	1557.6	1801.6	1851.2
460.5	460.3	456.4	455.4	37.5°	1670.5	1944.1	2012.1
476.2	476.0	473.0	474.0	40°	1794.8	2091.8	2168.1
493.7	493.7	491.7	492.7	42.5°	1907.6	2229.4	2314.0
509.4	509.4	506.5	507.5	45°	1995.6	2358.9	2425.2
522.2	522.2	519.2	519.2	47.5°	2096.7	2458.4	2533.0
531.0	531.0	528.0	529.0	50°	2236.2	2584.4	2672.4
541.8	541.8	537.8	538.8	52.5°	2440.2	2798.4	2861.6
550.4	550.6	547.7	548.7	55°	2687.3	3057.2	3128.5
556.3	556.5	554.5	555.5	57.5°	2914.6	3297.8	3359.1
558.3	558.5	556.5	558.5	60°	3060.5	3408.9	3460.3
561.4	561.4	558.5	559.5	62.5°	3062.2	3412.2	3476.9
567.1	567.3	563.3	564.3	65°	2941.1	3339.2	3412.2
565.3	565.3	565.3	565.3	67.5°	2634.2	3153.4	3266.2
				70°	2224.6	2788.5	2914.6
				72.5°	1735.2	2191.3	2335.6
				75°	1176.2	1454.7	1580.8
				77.5°	748.1	839.4	880.9
				80°	441.2	496.0	517.5
				82.5°	273.7	295.3	316.8
				85°	111.1	79.6	86.2
				87.5°	0.0	0.0	0.0
				90°	0.0	0.0	0.0
				92.5°	0.0	0.0	0.0
				95°	1.0	1.0	1.0
				97.5°	2.0	2.0	2.0
				100°	7.8	7.8	7.8
				102.5°	27.5	27.5	27.5
				105°	53.0	53.0	53.0
				107.5°	75.5	76.4	76.5
				110°	100.1	99.4	99.2

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**CANDELA DISTRIBUTION (continued):**

	355°	359°	360°
112.5°	121.7	121.7	121.7
115°	144.3	143.5	143.3
117.5°	166.8	166.1	165.8
120°	191.4	189.8	189.5
122.5°	216.0	215.1	215.0
125°	241.5	239.8	239.5
127.5°	264.0	262.5	262.0
130°	286.6	285.0	284.7
132.5°	308.2	307.4	307.2
135°	330.8	329.9	329.8
137.5°	353.3	352.6	352.3
140°	375.9	375.1	375.0
142.5°	398.5	396.9	396.5
145°	418.1	417.4	417.2
147.5°	435.8	435.8	435.8
150°	453.5	452.7	452.5
152.5°	471.1	470.4	470.2
155°	490.7	489.9	489.8
157.5°	505.5	503.9	503.5
160°	517.2	515.6	515.3
162.5°	526.0	525.3	525.1
165°	536.8	536.1	535.9
167.5°	545.7	544.9	544.7
170°	552.5	551.8	551.6
172.5°	555.5	554.7	554.5
175°	558.5	556.9	556.5
177.5°	562.4	561.6	561.4
180°	565.3	565.3	565.3

(END OF REPORT)