

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: P271485

Luminaire Tested: **ISC-AF-1200-LED-E1-SLL-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271485
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-1200-LED-E1-SLL-7027-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCUED 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: 6167.8 lumens
Efficiency: N/A
Efficacy: 74.6 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

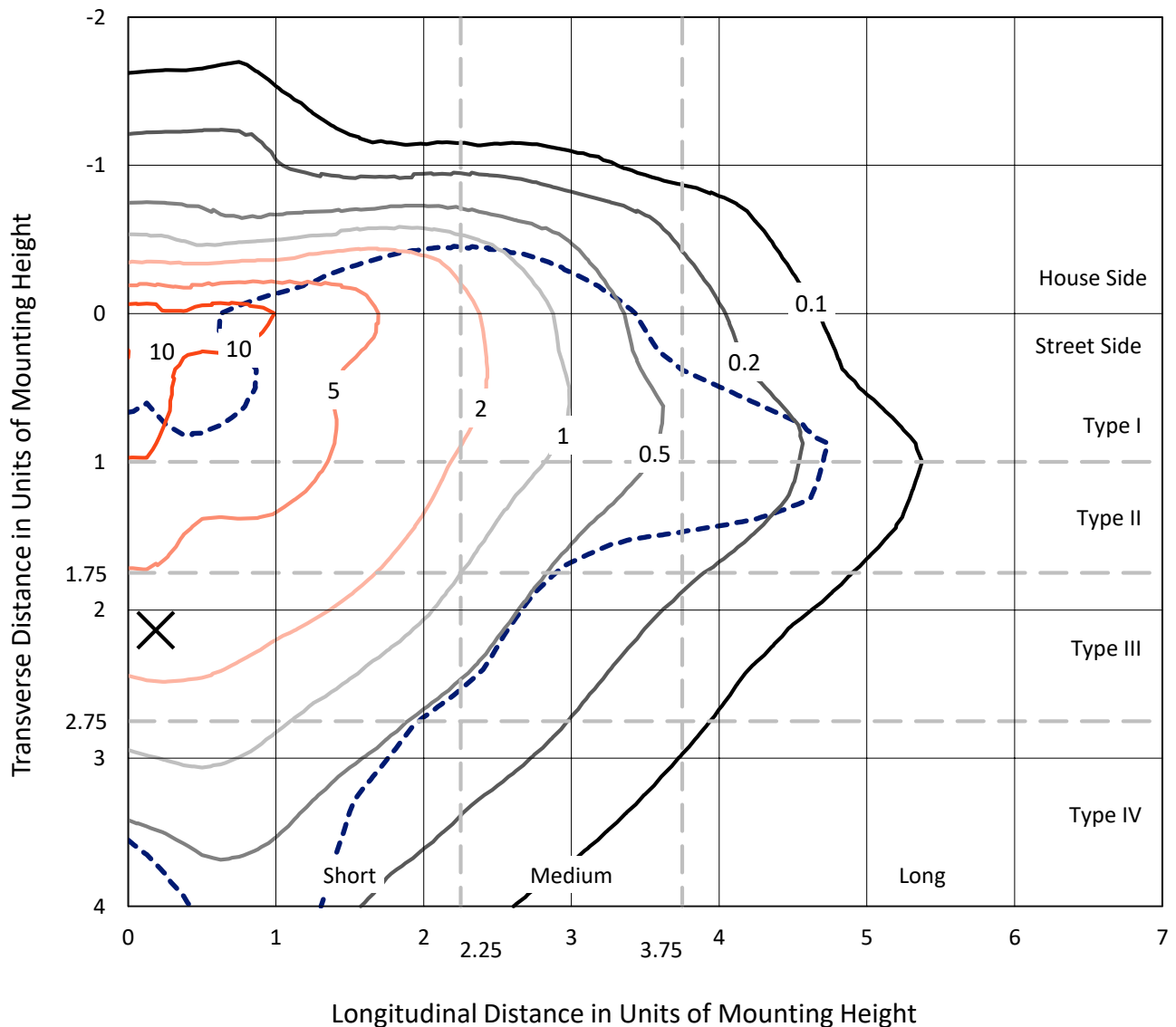
Input Watts (W): 82.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

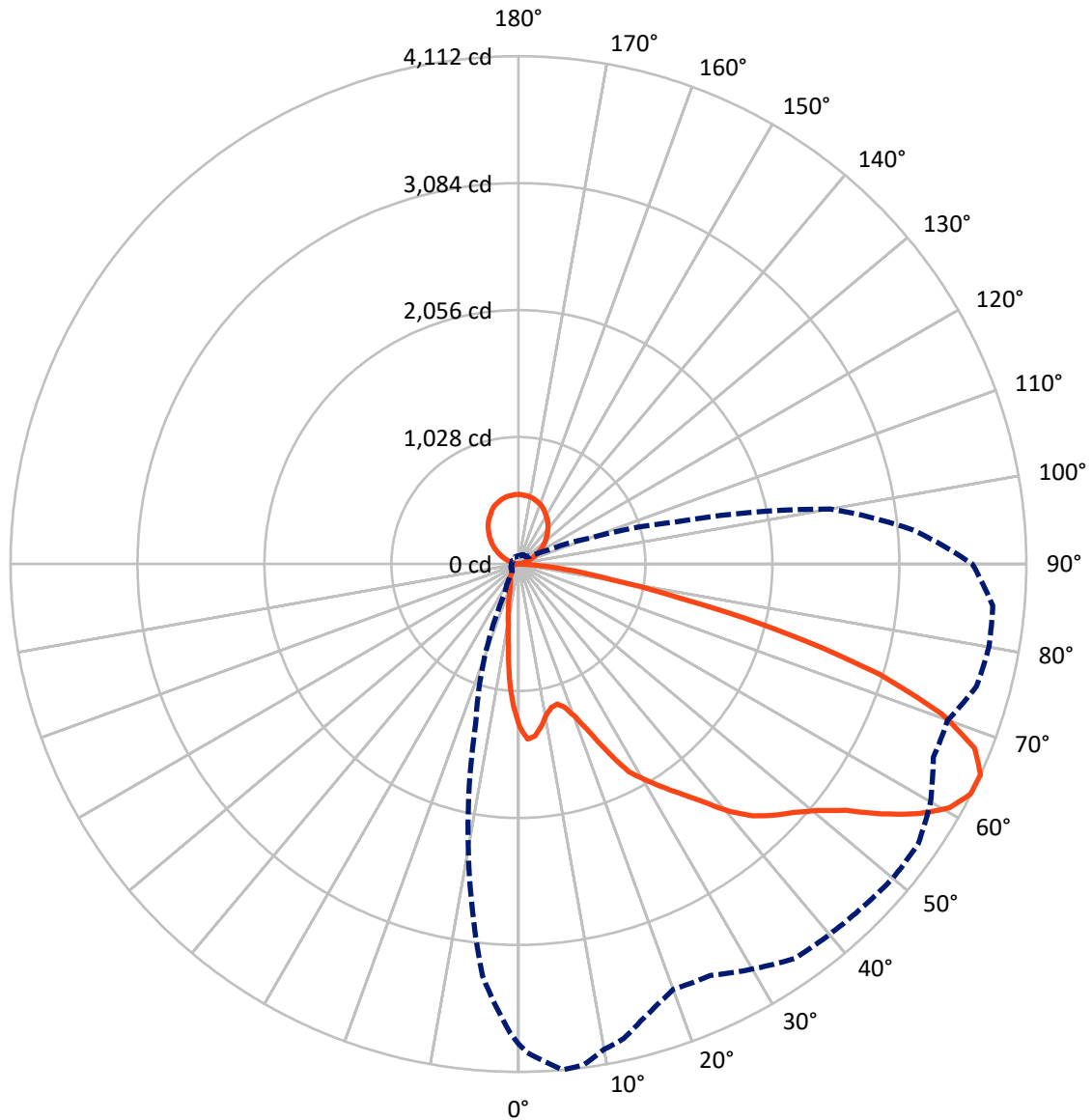
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.8 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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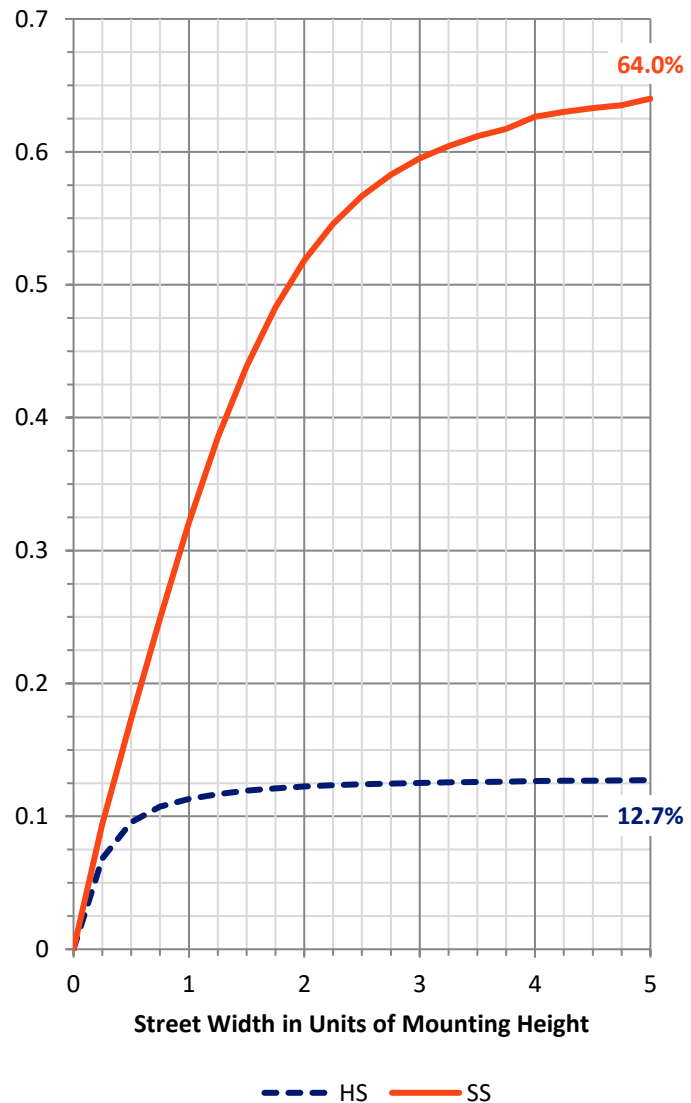
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.8	699.9	1492.7
	% Fixture	12.9	11.3	24.2
Street Side	Lumens	3975.2	699.9	4675.1
	% Fixture	64.5	11.3	75.8
Total	Lumens	4768.0	1399.8	6167.8
	% Fixture	77.3	22.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	1.6
10°-20°	208.8	3.4
20°-30°	303.5	4.9
30°-40°	448.9	7.3
40°-50°	654.0	10.6
50°-60°	980.4	15.9
60°-70°	1221.7	19.8
70°-80°	715.7	11.6
80°-90°	133.8	2.2
90°-100°	4.7	0.1
100°-110°	67.7	1.1
110°-120°	150.2	2.4
120°-130°	219.7	3.6
130°-140°	260.7	4.2
140°-150°	264.3	4.3
150°-160°	226.8	3.7
160°-170°	152.2	2.5
170°-180°	53.3	0.9
0°-90°	4768.0	77.3
0°-180°	6167.8	100.0



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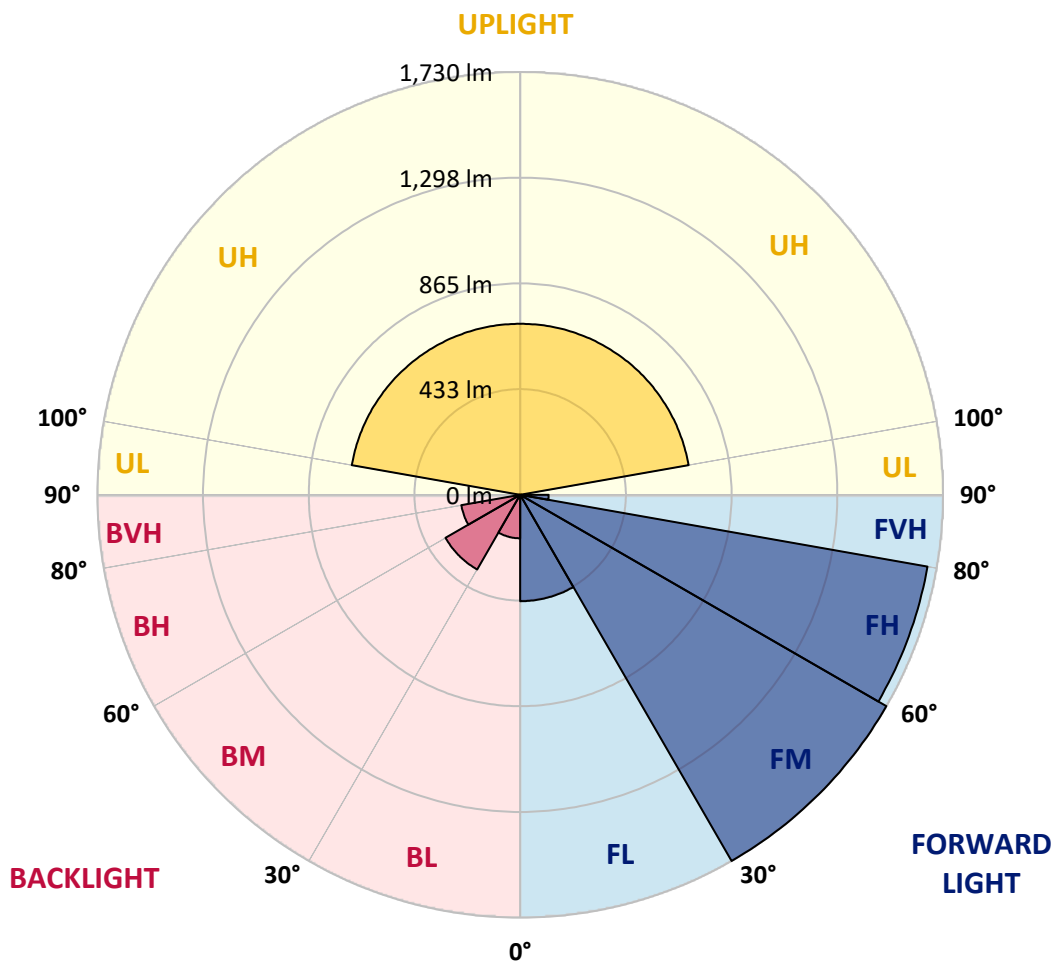
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.6	7.1			
FM (30°-60°)	1730.4	28.1			
FH (60°-80°)	1692.6	27.4			G1/1800
FVH (80°-90°)	116.6	1.9			G2/225
BL (0°-30°)	178.0	2.9	B1/500		
BM (30°-60°)	352.9	5.7	B1/1000		
BH (60°-80°)	244.7	4.0	B1/500		G1/500
BVH (80°-90°)	17.2	0.3			G1/100
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	699.9	11.3		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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1400.6	1397.0	1419.5	1423.4	1438.5	1438.5	1455.4	1470.5	1476.2	1489.4	1523.3
5°	1355.4	1366.7	1398.8	1430.9	1453.5	1476.2	1500.7	1530.9	1555.4	1597.0	1683.9
7.5°	1255.3	1272.3	1327.1	1359.1	1395.0	1434.6	1464.9	1500.7	1538.4	1608.3	1763.1
10°	1157.2	1170.4	1240.2	1279.8	1330.7	1372.4	1415.8	1455.4	1496.9	1583.8	1763.1
12.5°	1094.9	1111.8	1191.2	1228.9	1287.5	1330.7	1383.7	1430.9	1480.0	1572.4	1746.1
15°	1081.6	1100.5	1176.0	1223.2	1274.2	1315.7	1362.9	1412.0	1461.0	1551.7	1706.5
17.5°	1117.5	1140.2	1221.3	1274.2	1313.8	1361.0	1395.0	1442.2	1474.3	1546.1	1619.6
20°	1202.5	1228.9	1325.2	1376.1	1408.3	1438.5	1464.9	1493.2	1506.4	1523.3	1510.2
22.5°	1338.4	1370.5	1480.0	1538.4	1561.2	1583.8	1585.7	1589.4	1580.0	1534.8	1432.8
25°	1532.8	1564.8	1689.5	1746.1	1746.1	1746.1	1725.4	1710.2	1666.9	1581.8	1412.0
27.5°	1714.1	1755.6	1904.7	1940.6	1929.2	1912.2	1872.6	1834.9	1772.5	1631.0	1410.1
30°	1850.0	1891.5	2029.3	2057.6	2029.3	1987.8	1925.4	1870.7	1797.1	1655.6	1423.4
32.5°	1974.6	2023.6	2155.8	2159.5	2108.5	2061.4	1991.5	1929.2	1851.9	1700.9	1463.0
35°	2106.6	2155.8	2289.8	2263.4	2189.8	2125.6	2053.9	1999.1	1921.7	1759.3	1527.2
37.5°	2289.8	2333.2	2446.4	2384.2	2289.8	2206.8	2129.3	2057.6	1980.2	1838.7	1634.7
40°	2467.3	2529.4	2633.3	2533.3	2418.1	2306.8	2221.8	2146.3	2061.4	1946.2	1772.5
42.5°	2633.3	2692.0	2788.1	2659.8	2525.8	2414.4	2325.6	2244.4	2163.3	2069.0	1938.6
45°	2759.9	2820.2	2901.3	2765.5	2612.6	2497.5	2401.2	2329.5	2257.7	2193.5	2148.2
47.5°	2882.5	2942.9	3005.2	2858.0	2707.0	2589.9	2476.6	2410.6	2354.0	2320.1	2374.7
50°	3041.1	3082.6	3135.4	2976.9	2816.5	2682.4	2569.2	2518.2	2465.4	2476.6	2659.8
52.5°	3256.3	3292.2	3311.1	3156.3	2976.9	2824.0	2699.4	2629.6	2586.1	2652.2	2961.8
55°	3560.3	3611.2	3569.7	3416.7	3190.2	3016.6	2863.7	2780.6	2754.1	2842.9	3263.8
57.5°	3822.6	3845.3	3815.0	3664.1	3431.9	3237.4	3075.1	2988.2	2958.0	3075.1	3539.4
60°	3937.7	3966.1	4007.6	3877.4	3660.2	3467.6	3328.0	3243.2	3192.0	3328.0	3760.3
62.5°	3956.7	4003.8	4105.7	4039.7	3867.9	3724.5	3597.9	3480.9	3441.2	3545.1	3905.7
65°	3883.0	3954.8	4111.5	4086.9	3990.6	3935.8	3830.1	3739.6	3664.1	3675.3	3898.1
67.5°	3716.8	3799.9	3983.1	3971.8	3983.1	3983.1	3890.6	3815.0	3716.8	3577.2	3611.2
70°	3316.7	3426.1	3637.6	3692.3	3788.6	3788.6	3707.5	3592.3	3479.0	3192.0	3018.5
72.5°	2657.8	2731.5	3056.2	3322.3	3445.1	3396.0	3316.7	3124.1	2874.9	2559.7	2323.7
75°	1798.9	1842.4	2240.7	2727.7	2950.4	2908.9	2778.6	2539.0	2282.2	1931.2	1632.8
77.5°	1002.4	1059.0	1357.2	1738.6	2038.7	2033.0	2016.1	1863.2	1659.3	1368.6	1213.8
80°	589.0	607.8	764.5	1042.0	1300.7	1238.3	1194.9	1074.1	970.3	838.2	957.1
82.5°	360.6	341.6	434.2	634.2	768.3	741.9	668.2	623.0	573.8	537.9	636.2
85°	98.2	88.8	177.4	266.2	326.5	353.0	353.0	349.2	313.4	236.0	283.1
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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1536.6	1538.4	1532.8	1546.1	1530.9	1523.3	1500.7	1500.7	1481.8	1466.8	1449.8
5°	1715.9	1727.2	1717.8	1719.6	1689.5	1659.3	1614.0	1587.6	1540.3	1489.4	1436.5
7.5°	1836.8	1855.6	1848.0	1815.9	1768.9	1704.6	1629.1	1557.3	1480.0	1397.0	1319.5
10°	1868.8	1889.6	1872.6	1812.2	1734.8	1644.2	1553.6	1457.3	1362.9	1274.2	1191.2
12.5°	1823.5	1838.7	1802.8	1736.7	1661.1	1570.6	1476.2	1393.1	1281.7	1187.4	1091.1
15°	1708.4	1699.0	1695.1	1648.0	1595.1	1521.5	1432.8	1347.9	1244.1	1147.8	1045.8
17.5°	1583.8	1572.4	1576.3	1557.3	1549.8	1515.8	1449.8	1378.0	1285.6	1168.4	1059.0
20°	1474.3	1463.0	1468.5	1478.1	1506.4	1508.3	1496.9	1449.8	1381.9	1259.2	1125.0
22.5°	1379.9	1381.9	1400.6	1427.0	1474.3	1534.8	1581.8	1591.3	1544.2	1400.6	1232.7
25°	1351.6	1342.2	1362.9	1406.4	1485.7	1602.7	1708.4	1761.3	1734.8	1591.3	1385.5
27.5°	1342.2	1329.0	1351.6	1408.3	1534.8	1699.0	1850.0	1929.2	1938.6	1791.4	1549.8
30°	1342.2	1336.5	1359.1	1432.8	1566.8	1731.0	1899.1	2018.0	2055.7	1933.1	1693.2
32.5°	1359.1	1362.9	1402.5	1496.9	1634.7	1802.8	1976.5	2104.8	2172.7	2080.3	1808.4
35°	1397.0	1404.4	1461.0	1570.6	1719.6	1889.6	2048.1	2178.4	2287.9	2238.8	1916.1
37.5°	1478.1	1489.4	1559.3	1670.6	1806.5	1959.5	2114.3	2253.8	2412.5	2391.6	2029.3
40°	1621.5	1621.5	1691.4	1787.6	1899.1	2016.1	2169.0	2333.2	2527.7	2555.9	2169.0
42.5°	1802.8	1795.3	1840.4	1910.3	1987.8	2086.0	2223.8	2406.8	2635.3	2697.5	2274.7
45°	2051.9	2014.2	2038.7	2055.7	2093.5	2153.9	2276.6	2476.6	2722.0	2803.3	2354.0
47.5°	2344.6	2291.7	2270.9	2238.8	2225.6	2248.3	2354.0	2531.4	2805.1	2893.8	2482.4
50°	2667.3	2616.3	2561.6	2474.8	2399.2	2376.6	2440.9	2605.1	2893.8	3007.1	2623.9
52.5°	3003.3	2967.6	2895.8	2759.9	2616.3	2535.2	2565.4	2727.7	3035.5	3182.7	2791.9
55°	3311.1	3322.3	3235.5	3077.0	2871.3	2746.6	2782.5	2944.8	3292.2	3465.8	3073.2
57.5°	3641.4	3611.2	3543.3	3379.0	3154.4	3020.3	3035.5	3231.7	3579.0	3711.2	3352.6
60°	3860.4	3860.4	3786.7	3662.1	3448.9	3324.3	3346.8	3528.1	3809.4	3822.6	3477.2
62.5°	4001.9	4022.7	3964.2	3875.5	3667.8	3563.9	3641.4	3769.7	3922.7	3813.1	3414.9
65°	3933.9	3956.7	3950.9	3852.8	3705.6	3698.1	3837.6	3867.9	3854.6	3675.3	3199.7
67.5°	3626.3	3580.9	3579.0	3528.1	3497.9	3654.6	3832.0	3841.5	3618.7	3405.5	2859.8
70°	3041.1	2963.7	2933.4	2948.6	3086.4	3379.0	3631.9	3560.3	3205.3	3022.2	2435.1
72.5°	2344.6	2252.1	2233.2	2291.7	2504.9	2916.4	3261.9	3161.9	2635.3	2421.9	1885.8
75°	1663.0	1623.5	1625.3	1740.5	1970.7	2367.1	2769.3	2759.9	1951.8	1670.6	1298.7
77.5°	1209.9	1217.6	1251.6	1296.8	1495.0	1878.3	2255.8	2231.3	1389.4	1147.8	908.0
80°	998.6	1010.0	1010.0	985.4	1036.4	1240.2	1532.8	1636.6	930.6	772.0	634.2
82.5°	717.4	774.0	806.0	766.4	747.5	817.4	960.8	1028.8	579.6	487.0	443.7
85°	341.6	390.8	402.1	392.6	451.2	515.4	549.3	562.5	317.1	226.6	290.7
87.5°	0.0	0.0	1.9	15.1	41.5	71.8	71.8	109.5	17.0	5.7	13.3
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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
2.5°	1427.0	1402.5	1383.7	1361.0	1342.2	1323.2	1310.1	1281.7	1259.2	1208.1	1194.9
5°	1393.1	1340.3	1304.4	1270.5	1227.1	1196.8	1164.7	1125.0	1081.6	1008.1	985.4
7.5°	1259.2	1192.9	1143.9	1094.9	1038.2	987.2	940.1	887.3	811.7	732.4	702.3
10°	1113.8	1043.9	976.0	917.3	849.4	792.8	751.3	713.5	653.2	592.7	553.1
12.5°	994.9	915.6	838.2	779.5	743.8	715.4	685.2	655.0	590.8	522.9	475.7
15°	940.1	847.6	779.5	730.5	698.4	664.5	628.6	594.6	519.1	439.8	383.1
17.5°	947.6	841.9	755.0	689.0	645.6	598.5	556.9	513.4	430.4	336.1	285.0
20°	989.1	847.6	728.6	651.2	589.0	528.6	475.7	420.9	319.0	245.3	209.6
22.5°	1042.0	866.4	713.5	613.5	536.1	460.7	392.6	328.5	236.0	192.6	175.6
25°	1132.7	909.8	709.8	579.6	485.2	394.5	324.6	256.7	190.7	169.9	160.4
27.5°	1245.9	958.9	713.5	555.1	441.8	341.6	264.3	213.3	171.8	160.4	152.9
30°	1359.1	1010.0	696.5	517.2	390.8	292.6	226.6	194.4	169.9	156.7	143.5
32.5°	1459.2	1047.6	668.2	477.6	345.5	249.2	192.6	166.2	149.1	134.0	130.3
35°	1530.9	1064.7	636.2	453.0	315.2	222.8	169.9	149.1	132.1	117.0	109.5
37.5°	1598.9	1066.6	602.1	430.4	304.0	211.4	156.7	137.8	122.7	109.5	102.0
40°	1668.7	1059.0	583.3	407.7	286.9	205.7	151.1	128.4	118.9	103.8	96.3
42.5°	1719.6	1045.8	575.7	394.5	271.8	190.7	147.2	126.5	113.3	102.0	92.4
45°	1766.9	1032.6	575.7	383.1	260.5	181.2	139.7	128.4	109.5	100.0	88.8
47.5°	1823.5	1038.2	577.6	373.8	251.1	171.8	132.1	124.5	111.4	98.2	86.9
50°	1919.8	1102.4	587.1	368.0	243.5	164.2	126.5	118.9	122.7	96.3	84.9
52.5°	2086.0	1204.4	602.1	364.4	236.0	158.6	118.9	115.2	124.5	96.3	83.0
55°	2303.1	1308.2	617.2	354.9	224.7	147.2	115.2	107.5	115.2	96.3	81.2
57.5°	2514.4	1385.5	630.5	341.6	205.7	135.9	109.5	102.0	105.7	94.4	77.4
60°	2637.2	1446.0	643.7	319.0	183.2	122.7	103.8	96.3	94.4	94.4	75.5
62.5°	2671.1	1423.4	636.2	290.7	164.2	113.3	98.2	90.5	84.9	96.3	75.5
65°	2563.5	1304.4	607.8	266.2	151.1	109.5	92.4	86.9	81.2	83.0	71.8
67.5°	2233.2	1096.7	530.4	243.5	149.1	107.5	88.8	83.0	75.5	73.6	67.9
70°	1821.7	860.8	439.8	226.6	147.2	107.5	84.9	77.4	71.8	66.0	62.3
72.5°	1400.6	643.7	370.0	219.0	149.1	105.7	79.3	69.9	64.2	60.4	56.6
75°	985.4	454.9	307.7	196.3	139.7	100.0	73.6	62.3	56.6	52.9	49.0
77.5°	713.5	309.6	228.3	158.6	118.9	86.9	64.2	52.9	47.3	45.4	41.5
80°	454.9	190.7	152.9	117.0	86.9	67.9	49.0	41.5	37.8	34.0	32.1
82.5°	262.3	111.4	92.4	79.3	56.6	45.4	35.8	32.1	24.5	22.6	20.8
85°	160.4	69.9	50.9	41.5	35.8	28.3	20.8	18.9	13.3	11.3	9.4
87.5°	35.8	15.1	13.3	9.4	11.3	9.4	5.7	3.8	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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DISTRIBUTION (continued):

CANDELA DISTRIBUTION

175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°	175°	
1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	112.5°	121.7
1174.2	1145.9	1147.8	1142.0	1126.9	1102.4	1094.9	1081.6	1083.5	1091.1	1083.5	115°	144.3
958.9	925.0	928.8	926.9	911.8	894.8	881.6	864.6	858.9	864.6	855.2	117.5°	166.8
679.6	656.9	664.5	681.5	679.6	670.1	658.7	640.0	636.2	638.1	621.1	120°	191.4
519.1	496.4	490.8	488.9	485.2	479.4	464.3	449.3	443.7	445.5	434.2	122.5°	216.0
434.2	415.3	392.6	371.9	353.0	345.5	326.5	317.1	315.2	315.2	309.6	125°	241.5
343.5	328.5	315.2	294.5	279.5	268.1	254.8	247.3	245.3	247.3	247.3	127.5°	264.0
256.7	249.2	243.5	241.6	234.1	226.6	219.0	215.2	213.3	213.3	215.2	130°	286.6
196.3	194.4	194.4	194.4	203.8	211.4	213.3	207.7	205.7	203.8	202.0	132.5°	308.2
169.9	168.1	169.9	181.2	175.6	169.9	169.9	169.9	169.9	169.9	171.8	135°	330.8
156.7	158.6	160.4	154.8	149.1	145.3	143.5	143.5	141.6	141.6	143.5	137.5°	353.3
149.1	147.2	145.3	141.6	137.8	132.1	130.3	128.4	128.4	128.4	128.4	140°	375.9
139.7	137.8	135.9	132.1	126.5	118.9	117.0	117.0	115.2	117.0	117.0	142.5°	398.5
128.4	126.5	124.5	120.8	115.2	111.4	109.5	105.7	105.7	105.7	107.5	145°	418.1
103.8	102.0	102.0	103.8	103.8	102.0	102.0	98.2	98.2	98.2	98.2	147.5°	435.8
96.3	94.4	94.4	92.4	94.4	96.3	94.4	92.4	92.4	90.5	90.5	150°	453.5
90.5	90.5	88.8	86.9	86.9	90.5	88.8	86.9	84.9	84.9	84.9	152.5°	471.1
86.9	84.9	84.9	83.0	83.0	83.0	81.2	79.3	77.4	77.4	77.4	155°	490.7
83.0	83.0	81.2	79.3	77.4	77.4	73.6	71.8	71.8	71.8	73.6	157.5°	505.5
81.2	79.3	79.3	77.4	75.5	71.8	69.9	67.9	67.9	67.9	67.9	160°	517.2
79.3	77.4	75.5	75.5	71.8	69.9	67.9	66.0	66.0	66.0	66.0	162.5°	526.0
77.4	75.5	73.6	71.8	69.9	67.9	66.0	64.2	64.2	64.2	64.2	165°	536.8
73.6	71.8	71.8	69.9	69.9	67.9	66.0	64.2	64.2	64.2	62.3	167.5°	545.7
71.8	69.9	67.9	67.9	67.9	66.0	64.2	62.3	62.3	62.3	62.3	170°	552.5
69.9	67.9	67.9	66.0	66.0	64.2	64.2	62.3	60.4	60.4	58.5	172.5°	555.5
67.9	66.0	66.0	64.2	66.0	64.2	62.3	60.4	58.5	58.5	56.6	175°	558.5
66.0	64.2	64.2	64.2	62.3	62.3	60.4	56.6	56.6	56.6	54.8	177.5°	562.4
62.3	60.4	60.4	62.3	60.4	58.5	58.5	54.8	54.8	52.9	52.9	180°	565.3
56.6	56.6	56.6	58.5	56.6	54.8	54.8	52.9	50.9	49.0	49.0		
52.9	50.9	52.9	52.9	52.9	50.9	52.9	49.0	47.3	45.4	45.4		
45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	43.4	41.5	39.6		
35.8	37.8	37.8	37.8	37.8	39.6	37.8	37.8	37.8	35.8	34.0		
26.4	26.4	28.3	30.3	28.3	30.3	28.3	30.3	28.3	28.3	28.3		
15.1	15.1	17.0	18.9	18.9	20.8	17.0	18.9	18.9	20.8	18.9		
5.7	5.7	5.7	5.7	7.5	7.5	5.7	7.5	7.5	9.4	9.4		
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-1200-LED-E1-SLL-7027-ULG

REPORT NUMBER: P271485
 CATALOG NUMBER: ISC-AF-12

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°	1319.5	1319.5
143.3	144.3	146.2	148.2	151.2	153.1	154.1	154.6	155.0	155.0	2.5°	1098.6	1098.6
165.8	166.8	168.8	170.8	173.7	175.7	176.2	176.4	176.7	176.9	5°	862.7	860.8
189.5	191.4	192.3	194.3	197.3	198.3	199.2	199.7	200.2	200.2	7.5°	626.7	621.1
215.0	216.0	216.9	218.8	221.8	222.8	223.3	223.6	223.8	223.8	10°	437.9	422.8
239.5	241.5	242.5	243.4	246.3	247.3	247.8	248.1	248.3	248.5	12.5°	317.1	311.4
262.0	264.0	265.0	267.0	269.0	270.9	271.8	272.4	272.8	272.6	15°	251.1	251.1
284.7	286.6	287.5	288.5	292.5	293.5	294.5	294.9	295.5	295.5	17.5°	217.1	217.1
307.2	308.2	311.2	312.1	315.0	316.0	317.6	318.2	319.0	319.0	20°	200.1	198.2
329.8	330.8	332.7	334.7	338.6	338.6	340.1	340.7	341.5	341.5	22.5°	171.8	169.9
352.3	353.3	356.3	357.3	360.2	360.2	361.2	361.7	362.2	362.2	25°	141.6	141.6
375.0	375.9	377.8	378.8	380.8	381.8	382.3	382.6	382.8	382.8	27.5°	128.4	128.4
396.5	398.5	400.5	399.5	402.4	402.4	403.4	403.9	404.3	404.3	30°	117.0	118.9
417.2	418.1	420.0	420.0	423.0	424.0	425.0	425.4	426.0	425.8	32.5°	107.5	107.5
435.8	435.8	438.7	439.7	443.7	444.6	445.1	445.4	445.6	445.1	35°	96.3	96.3
452.5	453.5	455.4	456.4	460.3	461.3	461.8	462.1	462.3	461.8	37.5°	88.8	86.9
470.2	471.1	474.0	473.0	476.0	477.0	477.4	477.8	478.0	477.8	40°	81.2	81.2
489.8	490.7	492.7	491.7	493.7	493.7	494.2	494.4	494.7	494.4	42.5°	75.5	75.5
503.5	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	508.9	45°	71.8	71.8
515.3	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	521.6	47.5°	69.9	69.9
525.1	526.0	529.0	528.0	531.0	531.0	531.4	531.8	532.0	531.4	50°	66.0	66.0
535.9	536.8	538.8	537.8	541.8	541.8	542.3	542.6	542.8	541.9	52.5°	64.2	64.2
544.7	545.7	548.7	547.7	550.6	549.7	549.7	549.7	549.7	549.1	55°	62.3	64.2
551.6	552.5	555.5	554.5	556.5	555.5	555.1	554.7	554.5	554.3	57.5°	60.4	60.4
554.5	555.5	558.5	556.5	558.5	557.5	557.9	558.3	558.5	557.9	60°	58.5	58.5
556.5	558.5	559.5	558.5	561.4	561.4	561.9	562.2	562.4	561.6	62.5°	56.6	56.6
561.4	562.4	564.3	563.3	567.3	566.3	566.3	566.3	566.3	565.6	65°	54.8	54.8
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	50.9	50.9
										70°	47.3	47.3
										72.5°	43.4	43.4
										75°	39.6	37.8
										77.5°	34.0	32.1
										80°	28.3	26.4
										82.5°	20.8	18.9
										85°	9.4	9.4
										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°
1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	112.5°	133.5	133.5	133.5
1076.0	1079.8	1083.5	1091.1	1087.3	1085.4	1083.5	1094.9	1100.5	115°	155.0	155.0	155.0
832.5	830.7	836.2	838.2	832.5	823.0	817.4	819.3	824.9	117.5°	177.1	177.4	177.7
594.6	590.8	589.0	590.8	585.2	575.7	568.2	570.1	575.7	120°	200.2	200.2	200.2
419.1	420.9	424.7	428.5	428.5	428.5	430.4	441.8	454.9	122.5°	223.8	223.8	223.8
315.2	319.0	326.5	332.2	337.9	339.8	341.6	356.8	368.0	125°	248.8	249.1	249.3
254.8	256.7	260.5	264.3	268.1	268.1	269.9	275.6	285.0	127.5°	272.4	272.1	271.8
217.1	217.1	217.1	215.2	213.3	209.6	207.7	205.7	207.7	130°	295.5	295.5	295.5
194.4	192.6	188.7	185.1	183.2	177.4	175.6	169.9	168.1	132.5°	319.0	319.0	319.0
169.9	169.9	169.9	168.1	166.2	164.2	160.4	154.8	151.1	135°	341.5	341.5	341.5
141.6	143.5	143.5	145.3	149.1	149.1	149.1	149.1	143.5	137.5°	362.2	362.2	362.2
128.4	128.4	130.3	130.3	132.1	132.1	132.1	134.0	135.9	140°	382.8	382.8	382.8
118.9	120.8	120.8	122.7	122.7	124.5	124.5	126.5	126.5	142.5°	404.3	404.3	404.3
109.5	111.4	111.4	111.4	115.2	115.2	113.3	115.2	115.2	145°	425.4	425.2	425.0
96.3	96.3	96.3	96.3	96.3	96.3	92.4	90.5	92.4	147.5°	444.6	444.1	443.7
86.9	84.9	83.0	83.0	83.0	84.9	83.0	84.9	84.9	150°	461.3	460.8	460.3
79.3	79.3	79.3	79.3	79.3	79.3	79.3	81.2	83.0	152.5°	477.4	477.2	477.0
75.5	75.5	75.5	75.5	75.5	75.5	75.5	77.4	77.4	155°	494.2	493.9	493.7
71.8	71.8	73.6	73.6	73.6	73.6	73.6	73.6	75.5	157.5°	508.4	507.9	507.5
69.9	69.9	69.9	69.9	69.9	69.9	69.9	71.8	73.6	160°	521.2	520.7	520.2
67.9	67.9	67.9	67.9	67.9	67.9	67.9	69.9	71.8	162.5°	531.0	530.4	530.0
64.2	66.0	66.0	66.0	66.0	66.0	66.0	66.0	67.9	165°	541.3	540.6	539.8
64.2	64.2	64.2	64.2	62.3	62.3	62.3	62.3	64.2	167.5°	548.7	548.1	547.7
62.3	62.3	62.3	60.4	60.4	58.5	58.5	58.5	62.3	170°	554.1	553.7	553.5
58.5	58.5	58.5	56.6	56.6	56.6	56.6	58.5	58.5	172.5°	557.5	556.9	556.5
54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	175°	560.9	560.3	559.5
52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	177.5°	564.9	564.1	563.3
50.9	49.0	49.0	49.0	49.0	50.9	49.0	49.0	49.0	180°	565.3	565.3	565.3
47.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4				
43.4	43.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5				
37.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8				
32.1	32.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3				
26.4	24.5	24.5	24.5	24.5	24.5	24.5	22.6	22.6				
18.9	18.9	18.9	17.0	17.0	17.0	17.0	15.1	13.3				
7.5	9.4	9.4	11.3	9.4	9.4	9.4	7.5	3.8				
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°	1319.5	1319.5	1319.5	1319.5
155.0	155.0	155.0	155.0	155.6	156.0	157.0	156.0	2.5°	1096.7	1115.7	1117.5	1106.3
177.4	177.1	176.9	176.7	177.1	177.7	178.7	176.7	5°	817.4	841.9	840.1	824.9
200.2	200.2	200.2	200.2	200.7	201.2	202.2	200.2	7.5°	577.6	598.5	596.6	594.6
223.9	224.3	224.6	224.8	225.7	226.7	228.7	227.7	10°	468.2	487.0	492.7	505.8
249.3	249.3	249.3	249.3	250.1	250.8	252.2	251.3	12.5°	379.4	402.1	407.7	422.8
272.1	272.4	272.6	272.8	273.6	274.3	275.8	272.8	15°	292.6	311.4	317.1	328.5
295.6	295.9	296.2	296.4	297.2	297.9	299.3	297.4	17.5°	215.2	226.6	230.2	237.8
319.2	319.4	319.8	320.0	320.8	321.4	322.9	321.0	20°	168.1	171.8	173.6	175.6
341.7	342.1	342.3	342.5	343.1	343.5	344.5	343.5	22.5°	151.1	152.9	152.9	154.8
362.4	362.6	362.9	363.2	364.2	365.1	367.0	365.1	25°	139.7	141.6	141.6	143.5
383.3	383.8	384.3	384.7	385.7	386.7	388.7	386.7	27.5°	134.0	134.0	134.0	134.0
404.6	404.9	405.1	405.3	406.1	406.8	408.3	407.3	30°	128.4	128.4	128.4	130.3
425.2	425.4	425.8	426.0	426.8	427.4	428.9	427.0	32.5°	118.9	115.2	118.9	117.0
443.9	444.1	444.4	444.6	445.4	446.1	447.5	444.6	35°	92.4	92.4	94.4	96.3
460.3	460.3	460.3	460.3	461.3	462.3	464.2	461.3	37.5°	86.9	88.8	88.8	90.5
477.0	477.0	477.0	477.0	477.8	478.4	480.0	477.0	40°	83.0	84.9	86.9	88.8
493.9	494.2	494.4	494.7	495.4	496.1	497.6	495.7	42.5°	79.3	83.0	83.0	84.9
507.6	507.9	508.2	508.4	509.6	510.9	513.3	510.3	45°	77.4	79.3	81.2	83.0
520.2	520.2	520.2	520.2	520.9	521.6	523.2	521.2	47.5°	75.5	77.4	79.3	81.2
529.6	529.0	528.6	528.0	528.6	529.0	530.0	527.0	50°	71.8	75.5	77.4	79.3
539.3	538.8	538.4	537.8	538.4	538.8	539.8	537.8	52.5°	69.9	73.6	73.6	77.4
547.9	548.1	548.4	548.7	549.7	550.6	552.5	550.6	55°	66.0	69.9	69.9	73.6
554.1	554.5	555.1	555.5	556.7	557.9	560.5	558.5	57.5°	62.3	66.0	67.9	69.9
556.7	556.9	557.3	557.5	558.3	558.9	560.5	557.5	60°	60.4	62.3	64.2	66.0
558.9	558.5	557.9	557.5	558.3	558.9	560.5	557.5	62.5°	56.6	60.4	62.3	64.2
563.3	563.3	563.3	563.3	564.1	564.9	566.3	563.3	65°	54.8	58.5	58.5	62.3
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	50.9	54.8	54.8	56.6
								70°	47.3	49.0	50.9	52.9
								72.5°	43.4	45.4	45.4	47.3
								75°	35.8	37.8	39.6	41.5
								77.5°	30.3	30.3	34.0	34.0
								80°	22.6	22.6	24.5	26.4
								82.5°	13.3	13.3	15.1	15.1
								85°	3.8	3.8	3.8	3.8
								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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ULG

CANDELA DISTRIBUTION (continued):

287.5°	290°	292.5°	295°	297.5°	300°	302.5°		275°	280°	282.5°	285°	287.5°
1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5	112.5°	134.5	133.5	132.9	132.5	132.7
1128.8	1132.7	1126.9	1126.9	1130.8	1145.9	1145.9	115°	157.0	156.0	155.6	155.0	155.0
855.2	864.6	858.9	860.8	868.3	885.3	894.8	117.5°	178.7	177.7	177.1	176.7	176.9
613.5	621.1	624.8	630.5	653.2	655.0	666.4	120°	202.2	201.2	200.7	200.2	200.2
511.6	522.9	530.4	539.9	558.7	568.2	581.5	122.5°	228.7	226.7	225.7	224.8	224.6
430.4	443.7	451.2	470.0	481.3	492.7	509.7	125°	252.2	250.8	250.1	249.3	249.3
336.1	351.1	358.6	370.0	392.6	404.0	426.7	127.5°	275.8	274.3	273.6	272.8	272.6
243.5	249.2	264.3	283.1	296.4	315.2	326.5	130°	299.3	297.9	297.2	296.4	296.2
179.3	183.2	190.7	203.8	211.4	226.6	237.8	132.5°	322.9	321.4	320.8	320.0	319.8
154.8	156.7	160.4	164.2	168.1	173.6	179.3	135°	344.5	343.5	343.1	342.5	342.3
143.5	145.3	147.2	149.1	152.9	154.8	156.7	137.5°	367.0	365.1	364.2	363.2	362.9
135.9	135.9	137.8	141.6	141.6	145.3	147.2	140°	388.7	386.7	385.7	384.7	384.3
132.1	135.9	139.7	145.3	147.2	151.1	152.9	142.5°	408.3	406.8	406.1	405.3	405.1
113.3	113.3	115.2	118.9	118.9	120.8	122.7	145°	428.9	427.4	426.8	426.0	425.8
96.3	98.2	100.0	102.0	103.8	107.5	109.5	147.5°	447.5	446.1	445.4	444.6	444.4
92.4	92.4	94.4	98.2	100.0	102.0	103.8	150°	464.2	462.3	461.3	460.3	460.3
88.8	90.5	92.4	94.4	96.3	100.0	102.0	152.5°	480.0	478.4	477.8	477.0	477.0
86.9	88.8	90.5	92.4	96.3	98.2	100.0	155°	497.6	496.1	495.4	494.7	494.4
84.9	86.9	88.8	92.4	94.4	98.2	100.0	157.5°	513.3	510.9	509.6	508.4	508.2
83.0	84.9	86.9	90.5	94.4	98.2	102.0	160°	523.2	521.6	520.9	520.2	520.2
81.2	83.0	86.9	90.5	94.4	100.0	109.5	162.5°	530.0	529.0	528.6	528.0	528.6
79.3	83.0	86.9	90.5	96.3	103.8	113.3	165°	539.8	538.8	538.4	537.8	538.4
77.4	81.2	83.0	88.8	94.4	102.0	103.8	167.5°	552.5	550.6	549.7	548.7	548.4
73.6	77.4	79.3	84.9	92.4	94.4	92.4	170°	560.5	557.9	556.7	555.5	555.1
69.9	71.8	77.4	88.8	96.3	88.8	79.3	172.5°	560.5	558.9	558.3	557.5	557.3
67.9	69.9	73.6	81.2	83.0	73.6	71.8	175°	560.5	558.9	558.3	557.5	557.9
64.2	64.2	66.0	66.0	66.0	66.0	66.0	177.5°	566.3	564.9	564.1	563.3	563.3
58.5	58.5	60.4	60.4	60.4	60.4	60.4	180°	565.3	565.3	565.3	565.3	565.3
52.9	52.9	54.8	54.8	54.8	56.6	56.6						
47.3	49.0	49.0	50.9	50.9	50.9	52.9						
41.5	43.4	43.4	43.4	43.4	45.4	45.4						
35.8	35.8	37.8	37.8	37.8	37.8	37.8						
28.3	28.3	28.3	28.3	28.3	28.3	28.3						
17.0	17.0	18.9	17.0	17.0	15.1	15.1						
3.8	3.8	3.8	1.9	1.9	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°	1319.5	1319.5	1319.5	1319.5	1319.5	1319.5
155.0	155.0	155.0	155.0	155.0	155.0	2.5°	1174.2	1174.2	1177.9	1192.9	1196.8	1206.2
177.1	177.4	177.7	177.4	177.1	176.9	5°	928.8	936.3	947.6	966.5	977.9	998.6
200.2	200.2	200.2	200.2	200.2	200.2	7.5°	692.9	704.1	713.5	734.4	751.3	772.0
224.3	223.9	223.8	223.8	223.8	223.8	10°	600.2	609.7	623.0	636.2	653.2	662.6
249.3	249.3	249.3	249.1	248.8	248.5	12.5°	534.2	547.4	560.6	579.6	596.6	613.5
272.4	272.1	271.8	272.1	272.4	272.6	15°	453.0	468.2	483.3	503.9	528.6	545.5
295.9	295.6	295.5	295.5	295.5	295.5	17.5°	351.1	368.0	388.9	417.3	443.7	464.3
319.4	319.2	319.0	319.0	319.0	319.0	20°	258.6	273.7	292.6	317.1	336.1	371.9
342.1	341.7	341.5	341.5	341.5	341.5	22.5°	190.7	200.1	215.2	234.1	254.8	286.9
362.6	362.4	362.2	362.2	362.2	362.2	25°	160.4	164.2	169.9	181.2	194.4	217.1
383.8	383.3	382.8	382.8	382.8	382.8	27.5°	149.1	151.1	154.8	160.4	168.1	179.3
404.9	404.6	404.3	404.3	404.3	404.3	30°	156.7	156.7	156.7	158.6	162.3	168.1
425.4	425.2	425.0	425.2	425.4	425.8	32.5°	126.5	128.4	128.4	132.1	134.0	141.6
444.1	443.9	443.7	444.1	444.6	445.1	35°	113.3	115.2	117.0	118.9	122.7	124.5
460.3	460.3	460.3	460.8	461.3	461.8	37.5°	107.5	109.5	111.4	111.4	113.3	117.0
477.0	477.0	477.0	477.2	477.4	477.8	40°	105.7	105.7	105.7	105.7	109.5	113.3
494.2	493.9	493.7	493.9	494.2	494.4	42.5°	102.0	102.0	102.0	103.8	109.5	117.0
507.9	507.6	507.5	507.9	508.4	508.9	45°	102.0	102.0	103.8	111.4	113.3	113.3
520.2	520.2	520.2	520.7	521.2	521.6	47.5°	105.7	109.5	111.4	109.5	107.5	107.5
529.0	529.6	530.0	530.4	531.0	531.4	50°	115.2	113.3	105.7	103.8	103.8	100.0
538.8	539.3	539.8	540.6	541.3	541.9	52.5°	113.3	105.7	103.8	100.0	96.3	94.4
548.1	547.9	547.7	548.1	548.7	549.1	55°	102.0	100.0	94.4	90.5	88.8	90.5
554.5	554.1	553.5	553.7	554.1	554.3	57.5°	88.8	86.9	83.0	83.0	84.9	86.9
556.9	556.7	556.5	556.9	557.5	557.9	60°	77.4	77.4	77.4	79.3	81.2	83.0
558.5	558.9	559.5	560.3	560.9	561.6	62.5°	69.9	71.8	71.8	75.5	77.4	79.3
563.3	563.3	563.3	564.1	564.9	565.6	65°	66.0	67.9	69.9	69.9	71.8	73.6
565.3	565.3	565.3	565.3	565.3	565.3	67.5°	62.3	62.3	64.2	66.0	67.9	69.9
						70°	56.6	58.5	60.4	62.3	62.3	64.2
						72.5°	52.9	52.9	54.8	56.6	56.6	60.4
						75°	45.4	47.3	47.3	47.3	49.0	52.9
						77.5°	39.6	37.8	39.6	39.6	41.5	43.4
						80°	28.3	26.4	26.4	28.3	28.3	28.3
						82.5°	15.1	13.3	15.1	13.3	13.3	15.1
						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°
1319.5	1319.5	1319.5	1319.5	1319.5	112.5°	133.5	132.9	132.5	132.1	131.5	131.1	130.5
1204.4	1221.3	1228.9	1274.2	1321.4	115°	155.0	154.6	154.1	153.6	153.1	152.6	152.2
994.9	1028.8	1034.5	1117.5	1198.7	117.5°	176.7	176.4	176.2	175.9	175.7	175.2	174.7
777.8	817.4	828.7	938.2	1051.5	120°	200.2	199.7	199.2	198.7	198.3	198.1	197.8
677.7	696.5	709.8	791.0	921.2	122.5°	223.8	223.6	223.3	223.0	222.8	222.6	222.3
628.6	647.5	664.5	730.5	832.5	125°	248.3	248.1	247.8	247.6	247.3	247.1	246.9
562.5	583.3	604.1	685.2	804.2	127.5°	272.8	272.4	271.8	271.4	270.9	270.4	269.9
481.3	509.7	536.1	634.2	791.0	130°	295.5	294.9	294.5	293.9	293.5	293.3	292.9
390.8	424.7	456.8	579.6	772.0	132.5°	319.0	318.2	317.6	316.8	316.0	315.8	315.6
307.7	337.9	373.8	528.6	772.0	135°	341.5	340.7	340.1	339.4	338.6	338.6	338.6
237.8	268.1	304.0	483.3	792.8	137.5°	362.2	361.7	361.2	360.7	360.2	360.2	360.2
194.4	219.0	254.8	447.4	823.0	140°	382.8	382.6	382.3	382.0	381.8	381.6	381.3
175.6	190.7	213.3	394.5	843.8	142.5°	404.3	403.9	403.4	402.9	402.4	402.4	402.4
149.1	160.4	181.2	362.5	857.1	145°	426.0	425.4	425.0	424.4	424.0	423.8	423.6
132.1	145.3	166.2	341.6	855.2	147.5°	445.6	445.4	445.1	444.8	444.6	444.4	444.1
122.7	135.9	160.4	334.1	855.2	150°	462.3	462.1	461.8	461.5	461.3	461.1	460.8
122.7	135.9	156.7	326.5	860.8	152.5°	478.0	477.8	477.4	477.2	477.0	476.8	476.6
120.8	128.4	145.3	322.9	870.3	155°	494.7	494.4	494.2	493.9	493.7	493.7	493.7
115.2	120.8	137.8	322.9	889.1	157.5°	509.4	509.4	509.4	509.4	509.4	509.4	509.4
107.5	115.2	132.1	328.5	925.0	160°	522.2	522.2	522.2	522.2	522.2	522.2	522.2
102.0	109.5	130.3	328.5	998.6	162.5°	532.0	531.8	531.4	531.2	531.0	531.0	531.0
96.3	107.5	128.4	324.6	1104.3	165°	542.8	542.6	542.3	541.9	541.8	541.8	541.8
94.4	103.8	124.5	321.0	1234.6	167.5°	549.7	549.7	549.7	549.7	549.7	549.9	550.1
92.4	100.0	115.2	311.4	1338.4	170°	554.5	554.7	555.1	555.3	555.5	555.7	556.1
88.8	94.4	105.7	294.5	1408.3	172.5°	558.5	558.3	557.9	557.7	557.5	557.7	557.9
83.0	88.8	96.3	275.6	1423.4	175°	562.4	562.2	561.9	561.6	561.4	561.4	561.4
79.3	84.9	96.3	260.5	1330.7	177.5°	566.3	566.3	566.3	566.3	566.3	566.5	566.8
73.6	83.0	98.2	247.3	1128.8	180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3
69.9	83.0	100.0	241.6	896.7								
66.0	81.2	102.0	232.2	675.7								
60.4	73.6	88.8	192.6	456.8								
49.0	56.6	66.0	122.7	241.6								
32.1	34.0	37.8	75.5	134.0								
15.1	18.9	18.9	35.8	60.4								
0.0	0.0	0.0	3.8	13.3								
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								
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°	1319.5	1319.5	1319.5
151.6	151.2	148.2	146.2	2.5°	1366.7	1389.4	1400.6
174.2	173.7	170.8	168.8	5°	1293.1	1340.3	1355.4
197.4	197.3	194.3	192.3	7.5°	1181.7	1234.6	1255.3
222.0	221.8	218.8	216.9	10°	1070.3	1136.4	1157.2
246.6	246.3	243.4	242.5	12.5°	1004.2	1083.5	1094.9
269.4	269.0	267.0	265.0	15°	977.9	1059.0	1081.6
292.7	292.5	288.5	287.5	17.5°	1004.2	1094.9	1117.5
315.2	315.0	312.1	311.2	20°	1055.1	1166.6	1202.5
338.6	338.6	334.7	332.7	22.5°	1142.0	1293.1	1338.4
360.2	360.2	357.3	356.3	25°	1283.7	1493.2	1532.8
381.0	380.8	378.8	377.8	27.5°	1434.6	1651.7	1714.1
402.4	402.4	399.5	400.5	30°	1566.8	1798.9	1850.0
423.2	423.0	420.0	420.0	32.5°	1661.1	1916.1	1974.6
443.9	443.7	439.7	438.7	35°	1772.5	2050.0	2106.6
460.5	460.3	456.4	455.4	37.5°	1900.9	2212.3	2289.8
476.2	476.0	473.0	474.0	40°	2042.5	2380.4	2467.3
493.7	493.7	491.7	492.7	42.5°	2170.8	2537.0	2633.3
509.4	509.4	506.5	507.5	45°	2270.9	2684.3	2759.9
522.2	522.2	519.2	519.2	47.5°	2386.1	2797.6	2882.5
531.0	531.0	528.0	529.0	50°	2544.6	2941.1	3041.1
541.8	541.8	537.8	538.8	52.5°	2776.8	3184.5	3256.3
550.4	550.6	547.7	548.7	55°	3058.1	3479.0	3560.3
556.3	556.5	554.5	555.5	57.5°	3316.7	3752.8	3822.6
558.3	558.5	556.5	558.5	60°	3482.8	3879.2	3937.7
561.4	561.4	558.5	559.5	62.5°	3484.6	3883.0	3956.7
567.1	567.3	563.3	564.3	65°	3346.8	3799.9	3883.0
565.3	565.3	565.3	565.3	67.5°	2997.6	3588.5	3716.8
				70°	2531.4	3173.3	3316.7
				72.5°	1974.6	2493.7	2657.8
				75°	1338.4	1655.6	1798.9
				77.5°	851.3	955.2	1002.4
				80°	502.2	564.5	589.0
				82.5°	311.4	336.1	360.6
				85°	126.5	90.5	98.2
				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)