

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: P271595

Luminaire Tested: **ISS-AF-800-LED-E1-SLL-7027-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271595
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: ISS-AF-800-LED-E1-SLL-7027-ULG
Description: IMPACT ELITE LED QUATER SPHERE 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: 4944.9 lumens
Efficiency: N/A
Efficacy: 82.1 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 - G1

Input Watts (W): 60.2
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

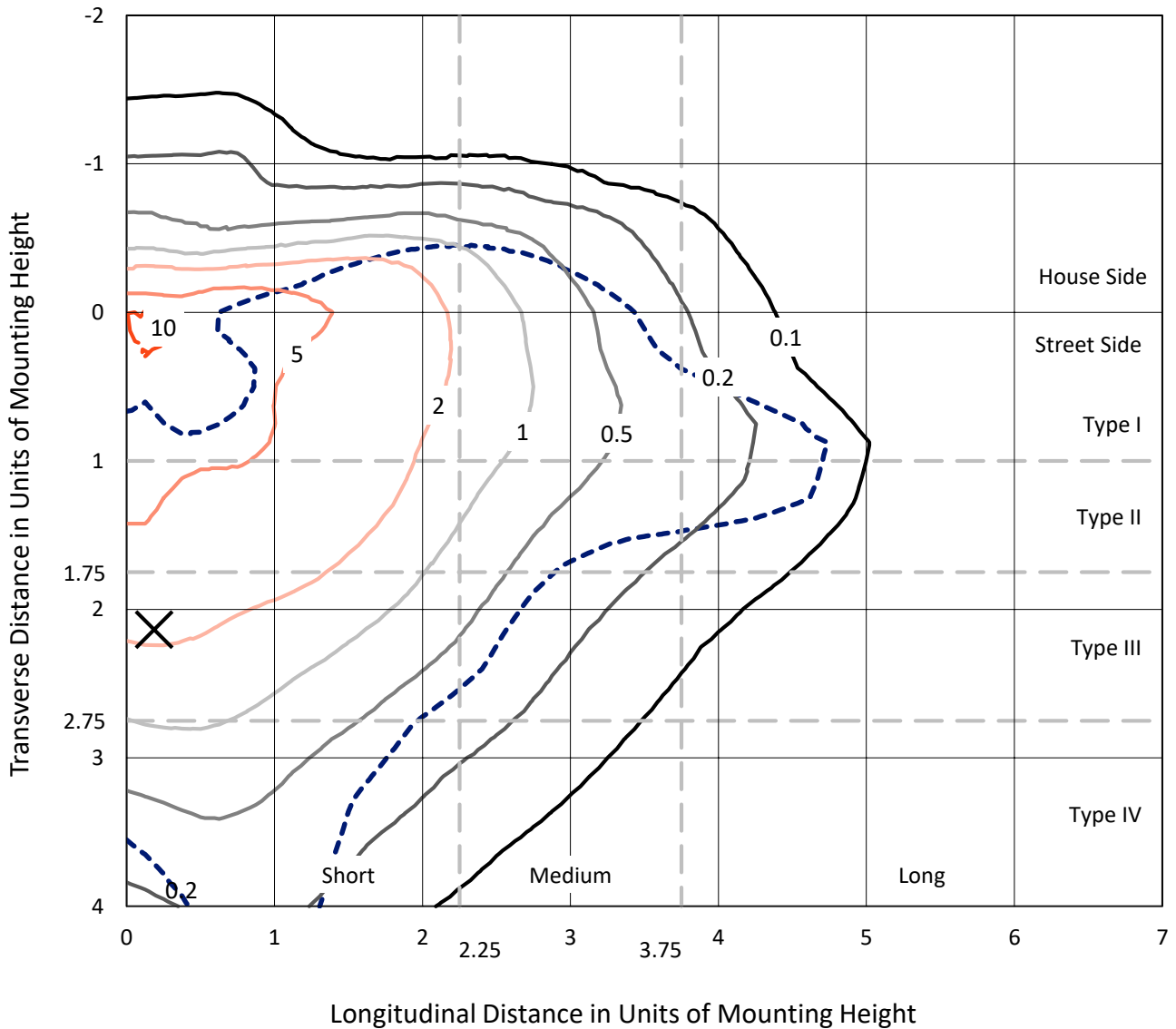


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Iso-Footcandle Lines of Horizontal Illumination

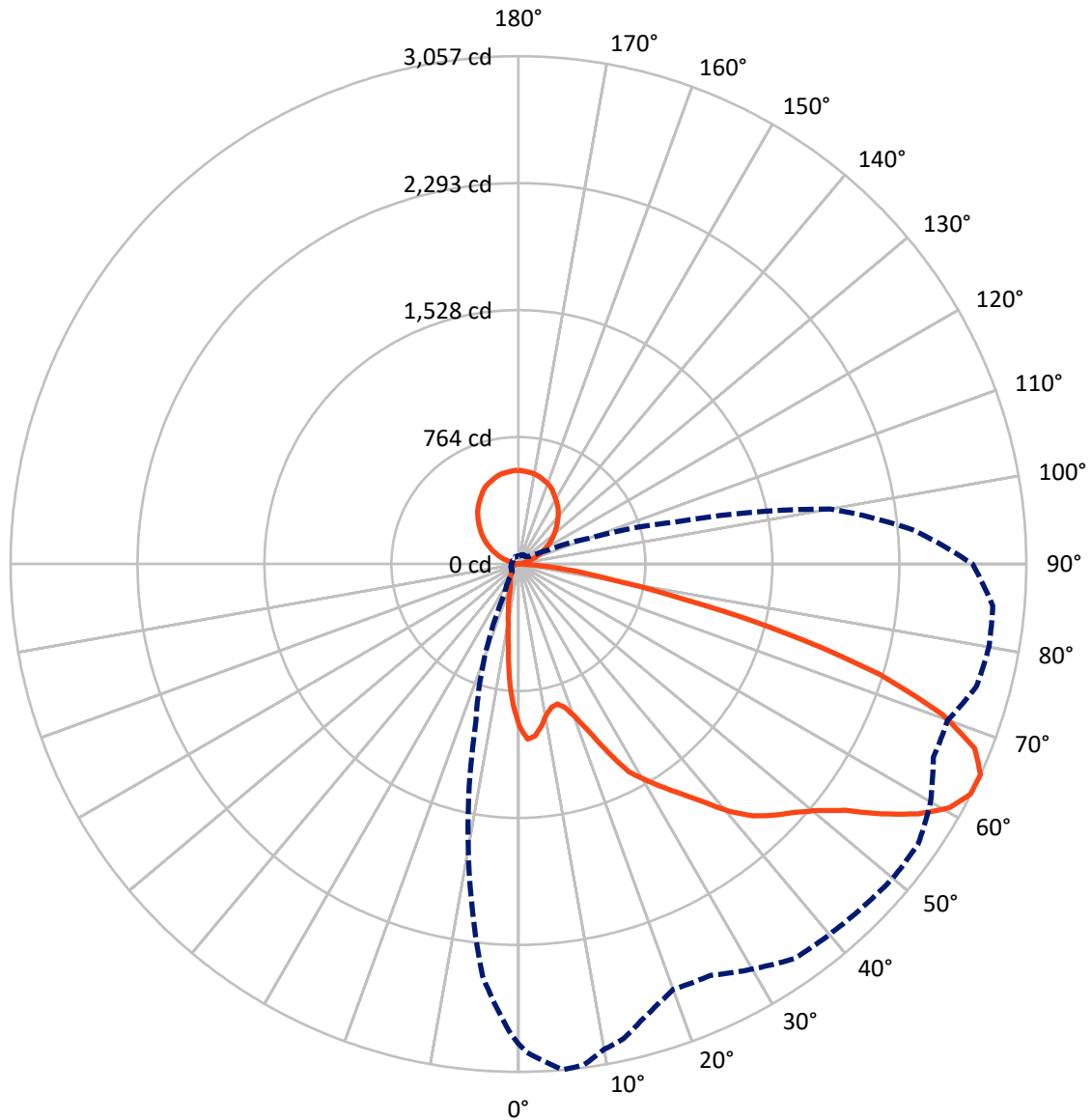
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 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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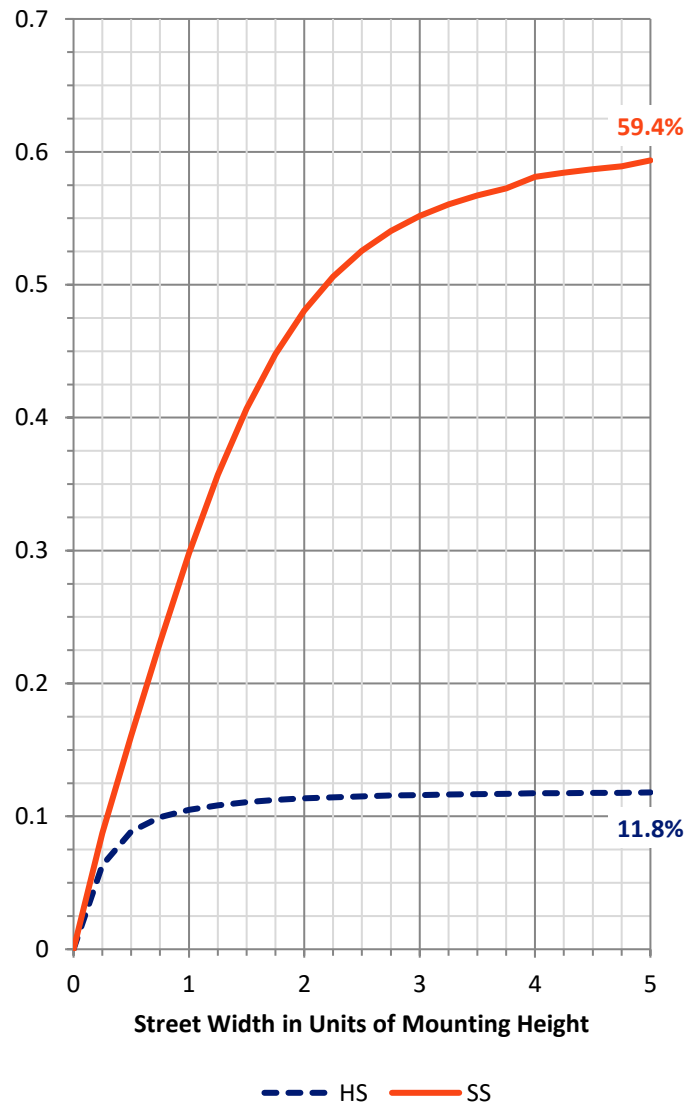
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.5	699.9	1289.4
	% Fixture	11.9	14.2	26.1
Street Side	Lumens	2955.6	699.9	3655.5
	% Fixture	59.8	14.2	73.9
Total	Lumens	3545.1	1399.8	4944.9
	% Fixture	71.7	28.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	1.5
10°-20°	155.2	3.1
20°-30°	225.7	4.6
30°-40°	333.7	6.7
40°-50°	486.3	9.8
50°-60°	728.9	14.7
60°-70°	908.4	18.4
70°-80°	532.1	10.8
80°-90°	99.5	2.0
90°-100°	4.7	0.1
100°-110°	67.7	1.4
110°-120°	150.2	3.0
120°-130°	219.7	4.4
130°-140°	260.7	5.3
140°-150°	264.3	5.3
150°-160°	226.8	4.6
160°-170°	152.2	3.1
170°-180°	53.3	1.1
0°-90°	3545.1	71.7
0°-180°	4944.9	100.0



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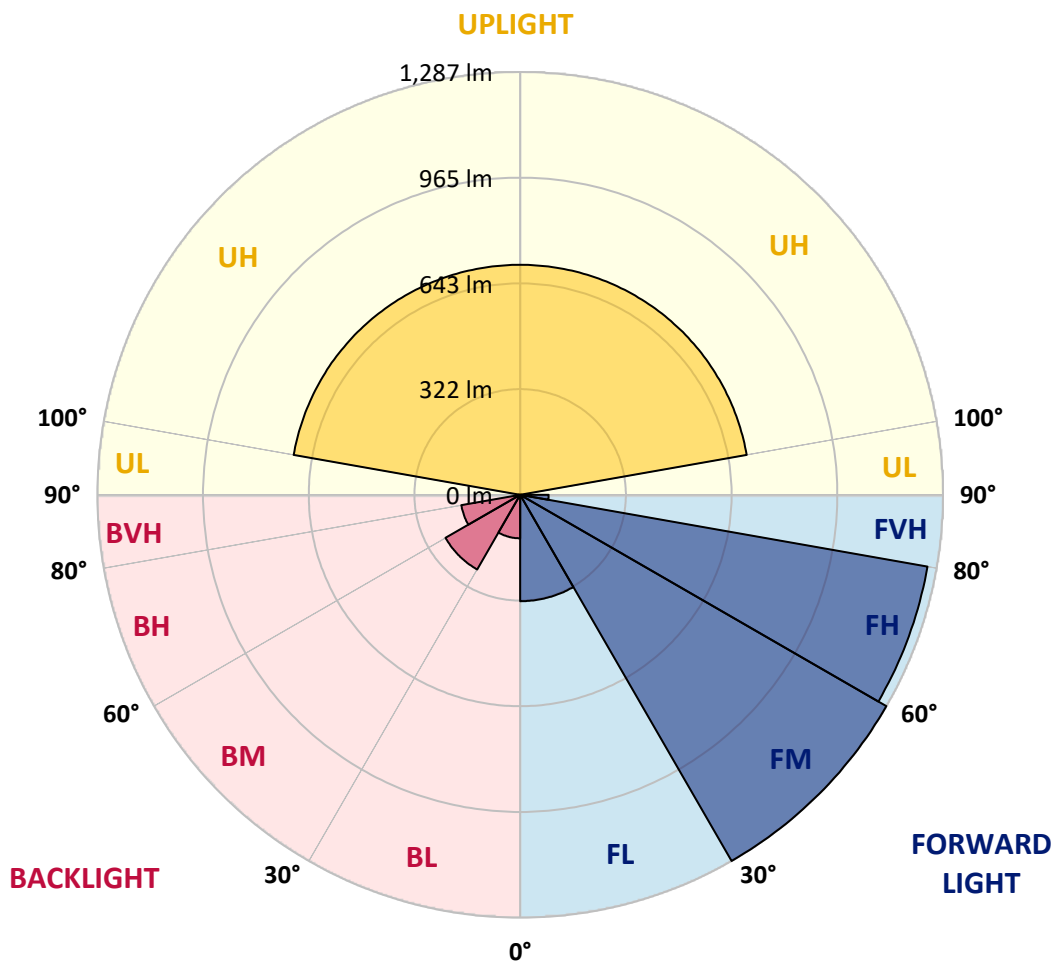
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.9	6.5			
FM	(30°-60°)	1286.6	26.0			
FH	(60°-80°)	1258.5	25.5			G1/1800
FVH	(80°-90°)	86.7	1.8			G1/100
BL	(0°-30°)	132.4	2.7	B1/500		
BM	(30°-60°)	262.4	5.3	B1/1000		
BH	(60°-80°)	181.9	3.7	B1/500		G1/500
BVH	(80°-90°)	12.8	0.3			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	699.9	14.2		U4/1000	

BUG Rating: B1-U5-G1

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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	1041.5	1038.6	1055.5	1058.2	1069.5	1069.5	1082.1	1093.3	1097.5	1107.4	1132.7
5°	1007.8	1016.2	1040.0	1064.0	1080.8	1097.5	1115.9	1138.2	1156.5	1187.4	1252.0
7.5°	933.4	945.9	986.7	1010.5	1037.3	1066.6	1089.1	1115.9	1143.9	1195.8	1310.9
10°	860.4	870.2	922.1	951.7	989.6	1020.4	1052.6	1082.1	1113.0	1177.6	1310.9
12.5°	814.0	826.7	885.5	913.7	957.2	989.6	1028.8	1064.0	1100.3	1169.1	1298.3
15°	804.3	818.3	874.4	909.5	947.4	978.3	1013.4	1049.8	1086.3	1153.7	1268.8
17.5°	830.9	847.7	908.1	947.4	976.9	1011.9	1037.3	1072.3	1096.1	1149.5	1204.3
20°	894.0	913.7	985.4	1023.2	1047.1	1069.5	1089.1	1110.1	1120.1	1132.7	1122.8
22.5°	995.1	1018.9	1100.3	1143.9	1160.7	1177.6	1178.9	1181.8	1174.7	1141.0	1065.3
25°	1139.7	1163.6	1256.2	1298.3	1298.3	1298.3	1282.8	1271.6	1239.3	1176.2	1049.8
27.5°	1274.4	1305.2	1416.2	1442.9	1434.4	1421.7	1392.4	1364.3	1317.9	1212.6	1048.4
30°	1375.5	1406.4	1508.8	1529.8	1508.8	1477.9	1431.6	1390.8	1336.2	1230.9	1058.2
32.5°	1468.1	1504.6	1602.8	1605.6	1567.7	1532.7	1480.8	1434.4	1376.8	1264.5	1087.8
35°	1566.4	1602.8	1702.5	1682.9	1628.1	1580.4	1527.1	1486.3	1428.8	1308.1	1135.5
37.5°	1702.5	1734.8	1819.0	1772.6	1702.5	1640.8	1583.3	1529.8	1472.3	1367.0	1215.5
40°	1834.4	1880.7	1957.9	1883.6	1798.0	1715.1	1651.9	1595.7	1532.7	1447.0	1317.9
42.5°	1957.9	2001.4	2073.0	1977.6	1878.0	1795.2	1729.1	1668.8	1608.4	1538.3	1441.4
45°	2052.0	2096.8	2157.2	2056.2	1942.5	1856.9	1785.3	1731.9	1678.7	1631.0	1597.3
47.5°	2143.2	2188.1	2234.4	2124.9	2012.7	1925.7	1841.4	1792.3	1750.2	1724.9	1765.7
50°	2261.1	2291.9	2331.3	2213.3	2094.1	1994.5	1910.2	1872.2	1833.0	1841.4	1977.6
52.5°	2421.1	2447.8	2461.9	2346.7	2213.3	2099.7	2007.0	1955.1	1922.8	1972.0	2202.1
55°	2647.0	2684.9	2654.1	2540.4	2372.0	2242.9	2129.2	2067.4	2047.8	2113.7	2426.7
57.5°	2842.1	2858.9	2836.6	2724.3	2551.6	2407.1	2286.4	2221.8	2199.3	2286.4	2631.7
60°	2927.8	2948.9	2979.7	2882.9	2721.4	2578.2	2474.4	2411.3	2373.4	2474.4	2795.9
62.5°	2941.8	2976.9	3052.7	3003.6	2875.8	2769.1	2675.2	2588.2	2558.6	2635.9	2904.0
65°	2887.1	2940.4	3056.9	3038.7	2967.1	2926.4	2847.8	2780.4	2724.3	2732.6	2898.3
67.5°	2763.5	2825.3	2961.4	2953.1	2961.4	2961.4	2892.7	2836.6	2763.5	2659.7	2684.9
70°	2465.9	2547.4	2704.5	2745.3	2816.8	2816.8	2756.6	2670.9	2586.7	2373.4	2244.2
72.5°	1976.2	2030.9	2272.4	2470.2	2561.4	2525.0	2465.9	2322.8	2137.6	1903.1	1727.8
75°	1337.6	1369.8	1666.0	2028.1	2193.8	2162.8	2066.0	1887.8	1696.9	1435.9	1214.1
77.5°	745.2	787.4	1009.2	1292.6	1515.8	1511.6	1499.0	1385.3	1233.7	1017.6	902.4
80°	437.9	451.9	568.4	774.8	967.0	920.8	888.4	798.6	721.4	623.2	711.5
82.5°	268.1	254.0	322.9	471.6	571.2	551.6	496.9	463.2	426.7	400.0	473.0
85°	73.0	65.9	131.9	197.9	242.8	262.5	262.5	259.7	233.0	175.5	210.6
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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	1142.5	1143.9	1139.7	1149.5	1138.2	1132.7	1115.9	1115.9	1101.8	1090.5	1078.0
5°	1275.9	1284.3	1277.2	1278.6	1256.2	1233.7	1200.0	1180.4	1145.2	1107.4	1068.1
7.5°	1365.6	1379.7	1374.0	1350.2	1315.1	1267.4	1211.3	1157.9	1100.3	1038.6	981.1
10°	1389.5	1404.9	1392.4	1347.4	1289.9	1222.4	1155.1	1083.5	1013.4	947.4	885.5
12.5°	1355.8	1367.0	1340.5	1291.2	1235.1	1167.8	1097.5	1035.8	953.0	882.9	811.3
15°	1270.2	1263.2	1260.4	1225.3	1186.0	1131.2	1065.3	1002.1	925.0	853.4	777.6
17.5°	1177.6	1169.1	1172.0	1157.9	1152.3	1127.0	1078.0	1024.6	955.8	868.8	787.4
20°	1096.1	1087.8	1092.0	1099.0	1120.1	1121.4	1113.0	1078.0	1027.4	936.1	836.5
22.5°	1026.0	1027.4	1041.5	1061.1	1096.1	1141.0	1176.2	1183.2	1148.1	1041.5	916.5
25°	1004.9	997.8	1013.4	1045.6	1104.6	1191.6	1270.2	1309.5	1289.9	1183.2	1030.2
27.5°	997.8	988.0	1004.9	1047.1	1141.0	1263.2	1375.5	1434.4	1441.4	1332.0	1152.3
30°	997.8	993.7	1010.5	1065.3	1164.9	1287.0	1412.0	1500.3	1528.5	1437.2	1259.0
32.5°	1010.5	1013.4	1042.8	1113.0	1215.5	1340.5	1469.4	1564.9	1615.5	1546.7	1344.7
35°	1038.6	1044.2	1086.3	1167.8	1278.6	1404.9	1522.9	1619.6	1701.1	1664.6	1424.6
37.5°	1099.0	1107.4	1159.4	1242.2	1343.1	1456.9	1571.9	1675.8	1793.7	1778.3	1508.8
40°	1205.6	1205.6	1257.5	1329.1	1412.0	1499.0	1612.6	1734.8	1879.3	1900.4	1612.6
42.5°	1340.5	1334.7	1368.5	1420.4	1477.9	1550.9	1653.4	1789.5	1959.3	2005.6	1691.3
45°	1525.6	1497.6	1515.8	1528.5	1556.5	1601.5	1692.7	1841.4	2023.9	2084.2	1750.2
47.5°	1743.3	1703.8	1688.5	1664.6	1654.8	1671.7	1750.2	1882.2	2085.7	2151.6	1845.7
50°	1983.2	1945.3	1904.6	1840.1	1783.9	1767.1	1814.8	1936.8	2151.6	2235.8	1950.8
52.5°	2233.1	2206.3	2153.0	2052.0	1945.3	1884.9	1907.4	2028.1	2256.9	2366.3	2075.8
55°	2461.9	2470.2	2405.8	2287.7	2134.8	2042.2	2068.8	2189.5	2447.8	2576.9	2285.0
57.5°	2707.4	2684.9	2634.4	2512.3	2345.4	2245.7	2256.9	2402.9	2661.0	2759.3	2492.7
60°	2870.3	2870.3	2815.5	2722.9	2564.2	2471.7	2488.5	2623.2	2832.4	2842.1	2585.3
62.5°	2975.5	2991.0	2947.4	2881.4	2727.1	2649.9	2707.4	2802.8	2916.5	2835.1	2539.0
65°	2925.0	2941.8	2937.5	2864.7	2755.1	2749.5	2853.4	2875.8	2866.0	2732.6	2379.0
67.5°	2696.3	2662.5	2661.0	2623.2	2600.8	2717.2	2849.2	2856.3	2690.5	2532.1	2126.4
70°	2261.1	2203.5	2181.1	2192.3	2294.8	2512.3	2700.5	2647.0	2383.2	2247.1	1810.5
72.5°	1743.3	1674.4	1660.3	1703.8	1862.5	2168.5	2425.3	2351.0	1959.3	1800.7	1402.2
75°	1236.4	1207.1	1208.4	1294.1	1465.2	1760.0	2058.9	2052.0	1451.2	1242.2	965.7
77.5°	899.7	905.3	930.6	964.2	1111.7	1396.5	1677.2	1659.0	1033.1	853.4	675.1
80°	742.4	750.9	750.9	732.7	770.6	922.1	1139.7	1216.8	692.0	574.1	471.6
82.5°	533.3	575.5	599.3	569.9	555.8	607.7	714.4	765.0	430.8	362.1	329.9
85°	254.0	290.5	299.0	291.9	335.4	383.1	408.4	418.3	235.7	168.4	216.1
87.5°	0.0	0.0	1.3	11.2	30.9	53.3	53.3	81.4	12.7	4.2	9.8
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°	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1
2.5°	1061.1	1042.8	1028.8	1011.9	997.8	983.8	974.0	953.0	936.1	898.2	888.4
5°	1035.8	996.5	969.8	944.6	912.3	889.8	866.0	836.5	804.3	749.5	732.7
7.5°	936.1	887.1	850.5	814.0	771.9	734.1	698.9	659.6	603.5	544.6	522.2
10°	828.1	776.1	725.7	682.2	631.6	589.5	558.6	530.4	485.6	440.7	411.2
12.5°	739.7	680.7	623.2	579.7	553.0	532.0	509.5	487.0	439.3	388.8	353.8
15°	698.9	630.3	579.7	543.1	519.3	494.1	467.4	442.1	386.0	327.1	284.9
17.5°	704.6	626.0	561.4	512.3	480.1	444.9	414.1	381.8	320.0	249.8	211.9
20°	735.4	630.3	541.8	484.3	437.9	393.0	353.8	313.0	237.2	182.4	155.8
22.5°	774.8	644.3	530.4	456.2	398.6	342.4	291.9	244.2	175.5	143.2	130.5
25°	842.1	676.5	527.8	430.8	360.7	293.4	241.5	190.9	141.8	126.3	119.4
27.5°	926.3	713.0	530.4	412.6	328.4	254.0	196.5	158.6	127.6	119.4	113.6
30°	1010.5	750.9	518.0	384.6	290.5	217.6	168.4	144.5	126.3	116.5	106.7
32.5°	1085.0	779.0	496.9	355.1	256.8	185.3	143.2	123.4	110.9	99.6	96.8
35°	1138.2	791.6	473.0	336.9	234.4	165.6	126.3	110.9	98.3	87.0	81.4
37.5°	1188.7	793.0	447.7	320.0	225.9	157.2	116.5	102.5	91.3	81.4	75.7
40°	1240.6	787.4	433.7	303.2	213.3	153.0	112.3	95.4	88.4	77.3	71.5
42.5°	1278.6	777.6	428.1	293.4	202.1	141.8	109.4	94.1	84.2	75.7	68.8
45°	1313.7	767.7	428.1	284.9	193.7	134.7	103.8	95.4	81.4	74.4	65.9
47.5°	1355.8	771.9	429.5	277.8	186.7	127.6	98.3	92.6	82.8	73.0	64.6
50°	1427.4	819.6	436.5	273.7	181.1	122.1	94.1	88.4	91.3	71.5	63.2
52.5°	1550.9	895.5	447.7	270.9	175.5	117.9	88.4	85.6	92.6	71.5	61.7
55°	1712.3	972.7	458.9	263.8	167.1	109.4	85.6	79.9	85.6	71.5	60.4
57.5°	1869.6	1030.2	468.7	254.0	153.0	101.1	81.4	75.7	78.6	70.2	57.5
60°	1960.7	1075.1	478.5	237.2	136.1	91.3	77.3	71.5	70.2	70.2	56.1
62.5°	1986.1	1058.2	473.0	216.1	122.1	84.2	73.0	67.4	63.2	71.5	56.1
65°	1906.0	969.8	451.9	197.9	112.3	81.4	68.8	64.6	60.4	61.7	53.3
67.5°	1660.3	815.4	394.4	181.1	110.9	79.9	65.9	61.7	56.1	54.8	50.6
70°	1354.5	640.0	327.1	168.4	109.4	79.9	63.2	57.5	53.3	49.1	46.4
72.5°	1041.5	478.5	275.2	162.9	110.9	78.6	59.0	51.9	47.7	44.9	42.1
75°	732.7	338.2	228.8	146.0	103.8	74.4	54.8	46.4	42.1	39.3	36.5
77.5°	530.4	230.1	169.8	117.9	88.4	64.6	47.7	39.3	35.1	33.7	30.9
80°	338.2	141.8	113.6	87.0	64.6	50.6	36.5	30.9	28.0	25.2	23.9
82.5°	195.1	82.8	68.8	59.0	42.1	33.7	26.7	23.9	18.2	16.9	15.5
85°	119.4	51.9	37.9	30.9	26.7	21.1	15.5	14.0	9.8	8.4	7.1
87.5°	26.7	11.2	9.8	7.1	8.4	7.1	4.2	2.9	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°	175°
981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	112.5°	121.7
873.1	852.0	853.4	849.2	837.8	819.6	814.0	804.3	805.6	811.3	805.6	115°	144.3
713.0	687.7	690.5	689.1	678.0	665.3	655.4	642.7	638.7	642.7	635.8	117.5°	166.8
505.3	488.4	494.1	506.6	505.3	498.3	489.8	475.8	473.0	474.3	461.8	120°	191.4
386.0	369.1	364.9	363.5	360.7	356.4	345.3	334.0	329.9	331.3	322.9	122.5°	216.0
322.9	308.7	291.9	276.5	262.5	256.8	242.8	235.7	234.4	234.4	230.1	125°	241.5
255.5	244.2	234.4	219.0	207.7	199.3	189.5	183.8	182.4	183.8	183.8	127.5°	264.0
190.9	185.3	181.1	179.6	174.0	168.4	162.9	160.0	158.6	158.6	160.0	130°	286.6
146.0	144.5	144.5	144.5	151.5	157.2	158.6	154.4	153.0	151.5	150.2	132.5°	308.2
126.3	125.0	126.3	134.7	130.5	126.3	126.3	126.3	126.3	126.3	127.6	135°	330.8
116.5	117.9	119.4	115.2	110.9	108.1	106.7	106.7	105.3	105.3	106.7	137.5°	353.3
110.9	109.4	108.1	105.3	102.5	98.3	96.8	95.4	95.4	95.4	95.4	140°	375.9
103.8	102.5	101.1	98.3	94.1	88.4	87.0	87.0	85.6	87.0	87.0	142.5°	398.5
95.4	94.1	92.6	89.8	85.6	82.8	81.4	78.6	78.6	78.6	79.9	145°	418.1
77.3	75.7	75.7	77.3	77.3	75.7	75.7	73.0	73.0	73.0	73.0	147.5°	435.8
71.5	70.2	70.2	68.8	70.2	71.5	70.2	68.8	68.8	67.4	67.4	150°	453.5
67.4	67.4	65.9	64.6	64.6	67.4	65.9	64.6	63.2	63.2	63.2	152.5°	471.1
64.6	63.2	63.2	61.7	61.7	61.7	60.4	59.0	57.5	57.5	57.5	155°	490.7
61.7	61.7	60.4	59.0	57.5	57.5	54.8	53.3	53.3	53.3	54.8	157.5°	505.5
60.4	59.0	59.0	57.5	56.1	53.3	51.9	50.6	50.6	50.6	50.6	160°	517.2
59.0	57.5	56.1	56.1	53.3	51.9	50.6	49.1	49.1	49.1	49.1	162.5°	526.0
57.5	56.1	54.8	53.3	51.9	50.6	49.1	47.7	47.7	47.7	47.7	165°	536.8
54.8	53.3	53.3	51.9	51.9	50.6	49.1	47.7	47.7	47.7	46.4	167.5°	545.7
53.3	51.9	50.6	50.6	50.6	49.1	47.7	46.4	46.4	46.4	46.4	170°	552.5
51.9	50.6	50.6	49.1	49.1	47.7	47.7	46.4	44.9	44.9	43.5	172.5°	555.5
50.6	49.1	49.1	47.7	49.1	47.7	46.4	44.9	43.5	43.5	42.1	175°	558.5
49.1	47.7	47.7	47.7	46.4	46.4	44.9	42.1	42.1	42.1	40.7	177.5°	562.4
46.4	44.9	44.9	46.4	44.9	43.5	43.5	40.7	40.7	39.3	39.3	180°	565.3
42.1	42.1	42.1	43.5	42.1	40.7	40.7	39.3	37.9	36.5	36.5		
39.3	37.9	39.3	39.3	39.3	37.9	39.3	36.5	35.1	33.7	33.7		
33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	32.2	30.9	29.5		
26.7	28.0	28.0	28.0	28.0	29.5	28.0	28.0	28.0	26.7	25.2		
19.7	19.7	21.1	22.5	21.1	22.5	21.1	22.5	21.1	21.1	21.1		
11.2	11.2	12.7	14.0	14.0	15.5	12.7	14.0	14.0	15.5	14.0		
4.2	4.2	4.2	4.2	5.6	5.6	4.2	5.6	5.6	7.1	7.1		
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		

271595
 ISS-AF-800-LED-E1-SLL-7027-ULG

REPORT NUMBER: P271595
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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°	981.1	981.1
143.3	144.3	146.2	148.2	151.2	153.1	154.1	154.6	155.0	155.0	2.5°	816.9	816.9
165.8	166.8	168.8	170.8	173.7	175.7	176.2	176.4	176.7	176.9	5°	641.4	640.0
189.5	191.4	192.3	194.3	197.3	198.3	199.2	199.7	200.2	200.2	7.5°	466.0	461.8
215.0	216.0	216.9	218.8	221.8	222.8	223.3	223.6	223.8	223.8	10°	325.6	314.4
239.5	241.5	242.5	243.4	246.3	247.3	247.8	248.1	248.3	248.5	12.5°	235.7	231.7
262.0	264.0	265.0	267.0	269.0	270.9	271.8	272.4	272.8	272.6	15°	186.7	186.7
284.7	286.6	287.5	288.5	292.5	293.5	294.5	294.9	295.5	295.5	17.5°	161.4	161.4
307.2	308.2	311.2	312.1	315.0	316.0	317.6	318.2	319.0	319.0	20°	148.8	147.4
329.8	330.8	332.7	334.7	338.6	338.6	340.1	340.7	341.5	341.5	22.5°	127.6	126.3
352.3	353.3	356.3	357.3	360.2	360.2	361.2	361.7	362.2	362.2	25°	105.3	105.3
375.0	375.9	377.8	378.8	380.8	381.8	382.3	382.6	382.8	382.8	27.5°	95.4	95.4
396.5	398.5	400.5	399.5	402.4	402.4	403.4	403.9	404.3	404.3	30°	87.0	88.4
417.2	418.1	420.0	420.0	423.0	424.0	425.0	425.4	426.0	425.8	32.5°	79.9	79.9
435.8	435.8	438.7	439.7	443.7	444.6	445.1	445.4	445.6	445.1	35°	71.5	71.5
452.5	453.5	455.4	456.4	460.3	461.3	461.8	462.1	462.3	461.8	37.5°	65.9	64.6
470.2	471.1	474.0	473.0	476.0	477.0	477.4	477.8	478.0	477.8	40°	60.4	60.4
489.8	490.7	492.7	491.7	493.7	493.7	494.2	494.4	494.7	494.4	42.5°	56.1	56.1
503.5	505.5	507.5	506.5	509.4	509.4	509.4	509.4	509.4	508.9	45°	53.3	53.3
515.3	517.2	519.2	519.2	522.2	522.2	522.2	522.2	522.2	521.6	47.5°	51.9	51.9
525.1	526.0	529.0	528.0	531.0	531.0	531.4	531.8	532.0	531.4	50°	49.1	49.1
535.9	536.8	538.8	537.8	541.8	541.8	542.3	542.6	542.8	541.9	52.5°	47.7	47.7
544.7	545.7	548.7	547.7	550.6	549.7	549.7	549.7	549.7	549.1	55°	46.4	47.7
551.6	552.5	555.5	554.5	556.5	555.5	555.1	554.7	554.5	554.3	57.5°	44.9	44.9
554.5	555.5	558.5	556.5	558.5	557.5	557.9	558.3	558.5	557.9	60°	43.5	43.5
556.5	558.5	559.5	558.5	561.4	561.4	561.9	562.2	562.4	561.6	62.5°	42.1	42.1
561.4	562.4	564.3	563.3	567.3	566.3	566.3	566.3	566.3	565.6	65°	40.7	40.7
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	37.9	37.9
										70°	35.1	35.1
										72.5°	32.2	32.2
										75°	29.5	28.0
										77.5°	25.2	23.9
										80°	21.1	19.7
										82.5°	15.5	14.0
										85°	7.1	7.1
										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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0-LED-E1-SLL-7027-ULG

tinued):

CANDELA DISTRIBUTION (continued):

245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°		240°	242.5°	245°
981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	981.1	112.5°	133.5	133.5	133.5
800.0	802.8	805.6	811.3	808.5	807.0	805.6	814.0	818.3	115°	155.0	155.0	155.0
618.9	617.6	621.8	623.2	618.9	611.9	607.7	609.1	613.4	117.5°	177.1	177.4	177.7
442.1	439.3	437.9	439.3	435.0	428.1	422.5	423.9	428.1	120°	200.2	200.2	200.2
311.6	313.0	315.8	318.6	318.6	318.6	320.0	328.4	338.2	122.5°	223.8	223.8	223.8
234.4	237.2	242.8	247.0	251.3	252.6	254.0	265.3	273.7	125°	248.8	249.1	249.3
189.5	190.9	193.7	196.5	199.3	199.3	200.7	204.9	211.9	127.5°	272.4	272.1	271.8
161.4	161.4	161.4	160.0	158.6	155.8	154.4	153.0	154.4	130°	295.5	295.5	295.5
144.5	143.2	140.3	137.5	136.1	131.9	130.5	126.3	125.0	132.5°	319.0	319.0	319.0
126.3	126.3	126.3	125.0	123.4	122.1	119.4	115.2	112.3	135°	341.5	341.5	341.5
105.3	106.7	106.7	108.1	110.9	110.9	110.9	110.9	106.7	137.5°	362.2	362.2	362.2
95.4	95.4	96.8	96.8	98.3	98.3	98.3	99.6	101.1	140°	382.8	382.8	382.8
88.4	89.8	89.8	91.3	91.3	92.6	92.6	94.1	94.1	142.5°	404.3	404.3	404.3
81.4	82.8	82.8	82.8	85.6	85.6	84.2	85.6	85.6	145°	425.4	425.2	425.0
71.5	71.5	71.5	71.5	71.5	71.5	68.8	67.4	68.8	147.5°	444.6	444.1	443.7
64.6	63.2	61.7	61.7	61.7	63.2	61.7	63.2	63.2	150°	461.3	460.8	460.3
59.0	59.0	59.0	59.0	59.0	59.0	59.0	60.4	61.7	152.5°	477.4	477.2	477.0
56.1	56.1	56.1	56.1	56.1	56.1	56.1	57.5	57.5	155°	494.2	493.9	493.7
53.3	53.3	54.8	54.8	54.8	54.8	54.8	54.8	56.1	157.5°	508.4	507.9	507.5
51.9	51.9	51.9	51.9	51.9	51.9	51.9	53.3	54.8	160°	521.2	520.7	520.2
50.6	50.6	50.6	50.6	50.6	50.6	50.6	51.9	53.3	162.5°	531.0	530.4	530.0
47.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	50.6	165°	541.3	540.6	539.8
47.7	47.7	47.7	47.7	46.4	46.4	46.4	46.4	47.7	167.5°	548.7	548.1	547.7
46.4	46.4	46.4	44.9	44.9	43.5	43.5	43.5	46.4	170°	554.1	553.7	553.5
43.5	43.5	43.5	42.1	42.1	42.1	42.1	43.5	43.5	172.5°	557.5	556.9	556.5
40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	175°	560.9	560.3	559.5
39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	177.5°	564.9	564.1	563.3
37.9	36.5	36.5	36.5	36.5	37.9	36.5	36.5	36.5	180°	565.3	565.3	565.3
35.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7				
32.2	32.2	30.9	30.9	30.9	30.9	30.9	30.9	30.9				
28.0	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7				
23.9	23.9	22.5	22.5	22.5	22.5	22.5	22.5	22.5				
19.7	18.2	18.2	18.2	18.2	18.2	18.2	16.9	16.9				
14.0	14.0	14.0	12.7	12.7	12.7	12.7	11.2	9.8				
5.6	7.1	7.1	8.4	7.1	7.1	7.1	5.6	2.9				
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	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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SLL-7027-ULG

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°	981.1	981.1	981.1	981.1
155.0	155.0	155.0	155.0	155.6	156.0	157.0	156.0	2.5°	815.4	829.5	830.9	822.5
177.4	177.1	176.9	176.7	177.1	177.7	178.7	176.7	5°	607.7	626.0	624.6	613.4
200.2	200.2	200.2	200.2	200.7	201.2	202.2	200.2	7.5°	429.5	444.9	443.5	442.1
223.9	224.3	224.6	224.8	225.7	226.7	228.7	227.7	10°	348.0	362.1	366.3	376.1
249.3	249.3	249.3	249.3	250.1	250.8	252.2	251.3	12.5°	282.1	299.0	303.2	314.4
272.1	272.4	272.6	272.8	273.6	274.3	275.8	272.8	15°	217.6	231.7	235.7	244.2
295.6	295.9	296.2	296.4	297.2	297.9	299.3	297.4	17.5°	160.0	168.4	171.3	176.9
319.2	319.4	319.8	320.0	320.8	321.4	322.9	321.0	20°	125.0	127.6	129.2	130.5
341.7	342.1	342.3	342.5	343.1	343.5	344.5	343.5	22.5°	112.3	113.6	113.6	115.2
362.4	362.6	362.9	363.2	364.2	365.1	367.0	365.1	25°	103.8	105.3	105.3	106.7
383.3	383.8	384.3	384.7	385.7	386.7	388.7	386.7	27.5°	99.6	99.6	99.6	99.6
404.6	404.9	405.1	405.3	406.1	406.8	408.3	407.3	30°	95.4	95.4	95.4	96.8
425.2	425.4	425.8	426.0	426.8	427.4	428.9	427.0	32.5°	88.4	85.6	88.4	87.0
443.9	444.1	444.4	444.6	445.4	446.1	447.5	444.6	35°	68.8	68.8	70.2	71.5
460.3	460.3	460.3	460.3	461.3	462.3	464.2	461.3	37.5°	64.6	65.9	65.9	67.4
477.0	477.0	477.0	477.0	477.8	478.4	480.0	477.0	40°	61.7	63.2	64.6	65.9
493.9	494.2	494.4	494.7	495.4	496.1	497.6	495.7	42.5°	59.0	61.7	61.7	63.2
507.6	507.9	508.2	508.4	509.6	510.9	513.3	510.3	45°	57.5	59.0	60.4	61.7
520.2	520.2	520.2	520.2	520.9	521.6	523.2	521.2	47.5°	56.1	57.5	59.0	60.4
529.6	529.0	528.6	528.0	528.6	529.0	530.0	527.0	50°	53.3	56.1	57.5	59.0
539.3	538.8	538.4	537.8	538.4	538.8	539.8	537.8	52.5°	51.9	54.8	54.8	57.5
547.9	548.1	548.4	548.7	549.7	550.6	552.5	550.6	55°	49.1	51.9	51.9	54.8
554.1	554.5	555.1	555.5	556.7	557.9	560.5	558.5	57.5°	46.4	49.1	50.6	51.9
556.7	556.9	557.3	557.5	558.3	558.9	560.5	557.5	60°	44.9	46.4	47.7	49.1
558.9	558.5	557.9	557.5	558.3	558.9	560.5	557.5	62.5°	42.1	44.9	46.4	47.7
563.3	563.3	563.3	563.3	564.1	564.9	566.3	563.3	65°	40.7	43.5	43.5	46.4
565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	67.5°	37.9	40.7	40.7	42.1
								70°	35.1	36.5	37.9	39.3
								72.5°	32.2	33.7	33.7	35.1
								75°	26.7	28.0	29.5	30.9
								77.5°	22.5	22.5	25.2	25.2
								80°	16.9	16.9	18.2	19.7
								82.5°	9.8	9.8	11.2	11.2
								85°	2.9	2.9	2.9	2.9
								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°
981.1	981.1	981.1	981.1	981.1	981.1	981.1	112.5°	134.5	133.5	132.9	132.5	132.7
839.4	842.1	837.8	837.8	840.7	852.0	852.0	115°	157.0	156.0	155.6	155.0	155.0
635.8	642.7	638.7	640.0	645.6	658.3	665.3	117.5°	178.7	177.7	177.1	176.7	176.9
456.2	461.8	464.5	468.7	485.6	487.0	495.4	120°	202.2	201.2	200.7	200.2	200.2
380.3	388.8	394.4	401.5	415.5	422.5	432.3	122.5°	228.7	226.7	225.7	224.8	224.6
320.0	329.9	335.4	349.5	358.0	366.3	378.9	125°	252.2	250.8	250.1	249.3	249.3
249.8	261.0	266.7	275.2	291.9	300.3	317.2	127.5°	275.8	274.3	273.6	272.8	272.6
181.1	185.3	196.5	210.6	220.4	234.4	242.8	130°	299.3	297.9	297.2	296.4	296.2
133.4	136.1	141.8	151.5	157.2	168.4	176.9	132.5°	322.9	321.4	320.8	320.0	319.8
115.2	116.5	119.4	122.1	125.0	129.2	133.4	135°	344.5	343.5	343.1	342.5	342.3
106.7	108.1	109.4	110.9	113.6	115.2	116.5	137.5°	367.0	365.1	364.2	363.2	362.9
101.1	101.1	102.5	105.3	105.3	108.1	109.4	140°	388.7	386.7	385.7	384.7	384.3
98.3	101.1	103.8	108.1	109.4	112.3	113.6	142.5°	408.3	406.8	406.1	405.3	405.1
84.2	84.2	85.6	88.4	88.4	89.8	91.3	145°	428.9	427.4	426.8	426.0	425.8
71.5	73.0	74.4	75.7	77.3	79.9	81.4	147.5°	447.5	446.1	445.4	444.6	444.4
68.8	68.8	70.2	73.0	74.4	75.7	77.3	150°	464.2	462.3	461.3	460.3	460.3
65.9	67.4	68.8	70.2	71.5	74.4	75.7	152.5°	480.0	478.4	477.8	477.0	477.0
64.6	65.9	67.4	68.8	71.5	73.0	74.4	155°	497.6	496.1	495.4	494.7	494.4
63.2	64.6	65.9	68.8	70.2	73.0	74.4	157.5°	513.3	510.9	509.6	508.4	508.2
61.7	63.2	64.6	67.4	70.2	73.0	75.7	160°	523.2	521.6	520.9	520.2	520.2
60.4	61.7	64.6	67.4	70.2	74.4	81.4	162.5°	530.0	529.0	528.6	528.0	528.6
59.0	61.7	64.6	67.4	71.5	77.3	84.2	165°	539.8	538.8	538.4	537.8	538.4
57.5	60.4	61.7	65.9	70.2	75.7	77.3	167.5°	552.5	550.6	549.7	548.7	548.4
54.8	57.5	59.0	63.2	68.8	70.2	68.8	170°	560.5	557.9	556.7	555.5	555.1
51.9	53.3	57.5	65.9	71.5	65.9	59.0	172.5°	560.5	558.9	558.3	557.5	557.3
50.6	51.9	54.8	60.4	61.7	54.8	53.3	175°	560.5	558.9	558.3	557.5	557.9
47.7	47.7	49.1	49.1	49.1	49.1	49.1	177.5°	566.3	564.9	564.1	563.3	563.3
43.5	43.5	44.9	44.9	44.9	44.9	44.9	180°	565.3	565.3	565.3	565.3	565.3
39.3	39.3	40.7	40.7	40.7	42.1	42.1						
35.1	36.5	36.5	37.9	37.9	37.9	39.3						
30.9	32.2	32.2	32.2	32.2	33.7	33.7						
26.7	26.7	28.0	28.0	28.0	28.0	28.0						
21.1	21.1	21.1	21.1	21.1	21.1	21.1						
12.7	12.7	14.0	12.7	12.7	11.2	11.2						
2.9	2.9	2.9	1.3	1.3	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						
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°	981.1	981.1	981.1	981.1	981.1	981.1
155.0	155.0	155.0	155.0	155.0	155.0	2.5°	873.1	873.1	875.8	887.1	889.8	896.9
177.1	177.4	177.7	177.4	177.1	176.9	5°	690.5	696.2	704.6	718.6	727.0	742.4
200.2	200.2	200.2	200.2	200.2	200.2	7.5°	515.1	523.5	530.4	546.0	558.6	574.1
224.3	223.9	223.8	223.8	223.8	223.8	10°	446.3	453.4	463.2	473.0	485.6	492.6
249.3	249.3	249.3	249.1	248.8	248.5	12.5°	397.2	407.0	416.8	430.8	443.5	456.2
272.4	272.1	271.8	272.1	272.4	272.6	15°	336.9	348.0	359.3	374.8	393.0	405.7
295.9	295.6	295.5	295.5	295.5	295.5	17.5°	261.0	273.7	289.2	310.2	329.9	345.3
319.4	319.2	319.0	319.0	319.0	319.0	20°	192.2	203.6	217.6	235.7	249.8	276.5
342.1	341.7	341.5	341.5	341.5	341.5	22.5°	141.8	148.8	160.0	174.0	189.5	213.3
362.6	362.4	362.2	362.2	362.2	362.2	25°	119.4	122.1	126.3	134.7	144.5	161.4
383.8	383.3	382.8	382.8	382.8	382.8	27.5°	110.9	112.3	115.2	119.4	125.0	133.4
404.9	404.6	404.3	404.3	404.3	404.3	30°	116.5	116.5	116.5	117.9	120.7	125.0
425.4	425.2	425.0	425.2	425.4	425.8	32.5°	94.1	95.4	95.4	98.3	99.6	105.3
444.1	443.9	443.7	444.1	444.6	445.1	35°	84.2	85.6	87.0	88.4	91.3	92.6
460.3	460.3	460.3	460.8	461.3	461.8	37.5°	79.9	81.4	82.8	82.8	84.2	87.0
477.0	477.0	477.0	477.2	477.4	477.8	40°	78.6	78.6	78.6	78.6	81.4	84.2
494.2	493.9	493.7	493.9	494.2	494.4	42.5°	75.7	75.7	75.7	77.3	81.4	87.0
507.9	507.6	507.5	507.9	508.4	508.9	45°	75.7	75.7	77.3	82.8	84.2	84.2
520.2	520.2	520.2	520.7	521.2	521.6	47.5°	78.6	81.4	82.8	81.4	79.9	79.9
529.0	529.6	530.0	530.4	531.0	531.4	50°	85.6	84.2	78.6	77.3	77.3	74.4
538.8	539.3	539.8	540.6	541.3	541.9	52.5°	84.2	78.6	77.3	74.4	71.5	70.2
548.1	547.9	547.7	548.1	548.7	549.1	55°	75.7	74.4	70.2	67.4	65.9	67.4
554.5	554.1	553.5	553.7	554.1	554.3	57.5°	65.9	64.6	61.7	61.7	63.2	64.6
556.9	556.7	556.5	556.9	557.5	557.9	60°	57.5	57.5	57.5	59.0	60.4	61.7
558.5	558.9	559.5	560.3	560.9	561.6	62.5°	51.9	53.3	53.3	56.1	57.5	59.0
563.3	563.3	563.3	564.1	564.9	565.6	65°	49.1	50.6	51.9	51.9	53.3	54.8
565.3	565.3	565.3	565.3	565.3	565.3	67.5°	46.4	46.4	47.7	49.1	50.6	51.9
						70°	42.1	43.5	44.9	46.4	46.4	47.7
						72.5°	39.3	39.3	40.7	42.1	42.1	44.9
						75°	33.7	35.1	35.1	35.1	36.5	39.3
						77.5°	29.5	28.0	29.5	29.5	30.9	32.2
						80°	21.1	19.7	19.7	21.1	21.1	21.1
						82.5°	11.2	9.8	11.2	9.8	9.8	11.2
						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°
981.1	981.1	981.1	981.1	981.1	112.5°	133.5	132.9	132.5	132.1	131.5	131.1	130.5
895.5	908.1	913.7	947.4	982.5	115°	155.0	154.6	154.1	153.6	153.1	152.6	152.2
739.7	765.0	769.2	830.9	891.3	117.5°	176.7	176.4	176.2	175.9	175.7	175.2	174.7
578.3	607.7	616.1	697.5	781.7	120°	200.2	199.7	199.2	198.7	198.3	198.1	197.8
503.9	518.0	527.8	588.1	684.9	122.5°	223.8	223.6	223.3	223.0	222.8	222.6	222.3
467.4	481.4	494.1	543.1	618.9	125°	248.3	248.1	247.8	247.6	247.3	247.1	246.9
418.3	433.7	449.2	509.5	597.9	127.5°	272.8	272.4	271.8	271.4	270.9	270.4	269.9
358.0	378.9	398.6	471.6	588.1	130°	295.5	294.9	294.5	293.9	293.5	293.3	292.9
290.5	315.8	339.6	430.8	574.1	132.5°	319.0	318.2	317.6	316.8	316.0	315.8	315.6
228.8	251.3	277.8	393.0	574.1	135°	341.5	340.7	340.1	339.4	338.6	338.6	338.6
176.9	199.3	225.9	359.3	589.5	137.5°	362.2	361.7	361.2	360.7	360.2	360.2	360.2
144.5	162.9	189.5	332.6	611.9	140°	382.8	382.6	382.3	382.0	381.8	381.6	381.3
130.5	141.8	158.6	293.4	627.4	142.5°	404.3	403.9	403.4	402.9	402.4	402.4	402.4
110.9	119.4	134.7	269.5	637.2	145°	426.0	425.4	425.0	424.4	424.0	423.8	423.6
98.3	108.1	123.4	254.0	635.8	147.5°	445.6	445.4	445.1	444.8	444.6	444.4	444.1
91.3	101.1	119.4	248.4	635.8	150°	462.3	462.1	461.8	461.5	461.3	461.1	460.8
91.3	101.1	116.5	242.8	640.0	152.5°	478.0	477.8	477.4	477.2	477.0	476.8	476.6
89.8	95.4	108.1	239.9	647.0	155°	494.7	494.4	494.2	493.9	493.7	493.7	493.7
85.6	89.8	102.5	239.9	661.1	157.5°	509.4	509.4	509.4	509.4	509.4	509.4	509.4
79.9	85.6	98.3	244.2	687.7	160°	522.2	522.2	522.2	522.2	522.2	522.2	522.2
75.7	81.4	96.8	244.2	742.4	162.5°	532.0	531.8	531.4	531.2	531.0	531.0	531.0
71.5	79.9	95.4	241.5	821.1	165°	542.8	542.6	542.3	541.9	541.8	541.8	541.8
70.2	77.3	92.6	238.6	917.9	167.5°	549.7	549.7	549.7	549.7	549.7	549.9	550.1
68.8	74.4	85.6	231.7	995.1	170°	554.5	554.7	555.1	555.3	555.5	555.7	556.1
65.9	70.2	78.6	219.0	1047.1	172.5°	558.5	558.3	557.9	557.7	557.5	557.7	557.9
61.7	65.9	71.5	204.9	1058.2	175°	562.4	562.2	561.9	561.6	561.4	561.4	561.4
59.0	63.2	71.5	193.7	989.6	177.5°	566.3	566.3	566.3	566.3	566.3	566.5	566.8
54.8	61.7	73.0	183.8	839.4	180°	565.3	565.3	565.3	565.3	565.3	565.3	565.3
51.9	61.7	74.4	179.6	666.7								
49.1	60.4	75.7	172.7	502.4								
44.9	54.8	65.9	143.2	339.6								
36.5	42.1	49.1	91.3	179.6								
23.9	25.2	28.0	56.1	99.6								
11.2	14.0	14.0	26.7	44.9								
0.0	0.0	0.0	2.9	9.8								
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								
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°	981.1	981.1	981.1
151.6	151.2	148.2	146.2	2.5°	1016.2	1033.1	1041.5
174.2	173.7	170.8	168.8	5°	961.5	996.5	1007.8
197.4	197.3	194.3	192.3	7.5°	878.6	917.9	933.4
222.0	221.8	218.8	216.9	10°	795.8	844.9	860.4
246.6	246.3	243.4	242.5	12.5°	746.7	805.6	814.0
269.4	269.0	267.0	265.0	15°	727.0	787.4	804.3
292.7	292.5	288.5	287.5	17.5°	746.7	814.0	830.9
315.2	315.0	312.1	311.2	20°	784.6	867.4	894.0
338.6	338.6	334.7	332.7	22.5°	849.2	961.5	995.1
360.2	360.2	357.3	356.3	25°	954.4	1110.1	1139.7
381.0	380.8	378.8	377.8	27.5°	1066.6	1228.2	1274.4
402.4	402.4	399.5	400.5	30°	1164.9	1337.6	1375.5
423.2	423.0	420.0	420.0	32.5°	1235.1	1424.6	1468.1
443.9	443.7	439.7	438.7	35°	1317.9	1524.2	1566.4
460.5	460.3	456.4	455.4	37.5°	1413.3	1645.0	1702.5
476.2	476.0	473.0	474.0	40°	1518.7	1769.9	1834.4
493.7	493.7	491.7	492.7	42.5°	1614.1	1886.4	1957.9
509.4	509.4	506.5	507.5	45°	1688.5	1995.9	2052.0
522.2	522.2	519.2	519.2	47.5°	1774.1	2080.0	2143.2
531.0	531.0	528.0	529.0	50°	1892.0	2186.7	2261.1
541.8	541.8	537.8	538.8	52.5°	2064.7	2367.8	2421.1
550.4	550.6	547.7	548.7	55°	2273.7	2586.7	2647.0
556.3	556.5	554.5	555.5	57.5°	2465.9	2790.2	2842.1
558.3	558.5	556.5	558.5	60°	2589.5	2884.3	2927.8
561.4	561.4	558.5	559.5	62.5°	2590.9	2887.1	2941.8
567.1	567.3	563.3	564.3	65°	2488.5	2825.3	2887.1
565.3	565.3	565.3	565.3	67.5°	2228.9	2668.1	2763.5
				70°	1882.2	2359.4	2465.9
				72.5°	1468.1	1854.1	1976.2
				75°	995.1	1230.9	1337.6
				77.5°	632.9	710.2	745.2
				80°	373.3	419.7	437.9
				82.5°	231.7	249.8	268.1
				85°	94.1	67.4	73.0
				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)