

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: NEO-RAY

Report Number: P332434-830

Luminaire Tested: **S123RDIW-S775D755U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332434-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIW-S775D755U830-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 755 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5719.7 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse

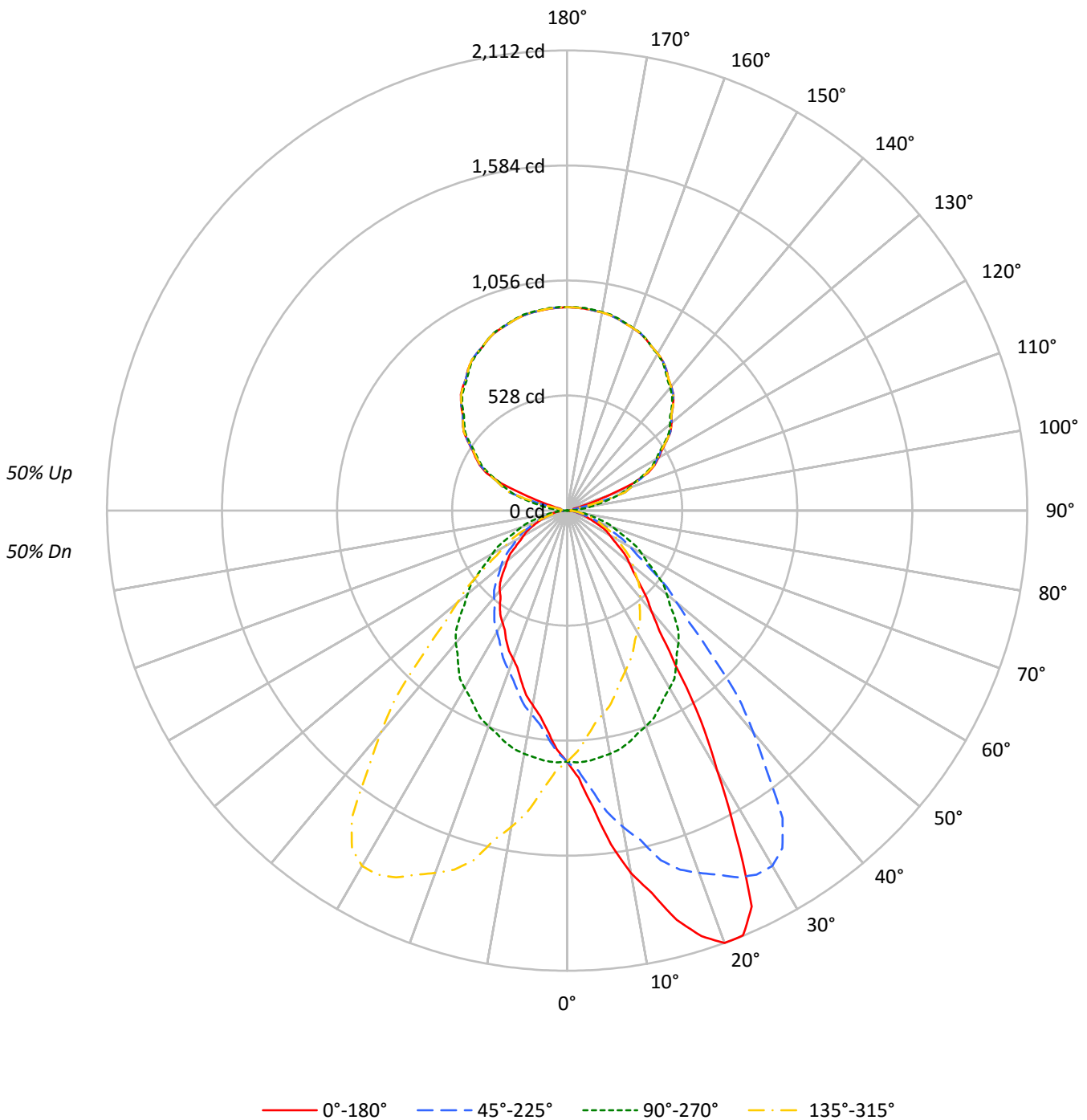
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	91	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	72	68	66	62	59	55	52	50	45	44	42	37
3	83	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36	32
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32	28
5	70	59	51	45	64	55	48	42	47	42	38	40	36	33	33	30	28	25
6	64	53	45	39	59	49	42	37	43	37	33	36	32	29	30	27	25	22
7	60	48	40	35	55	45	38	33	39	33	29	33	29	26	28	25	22	20
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	23	20	18
9	52	40	32	28	48	37	31	26	33	27	24	28	24	21	24	21	18	16
10	48	37	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12408	12408	12408	12408
5°	14791	12460	10974	12460
10°	18467	12389	9913	12389
15°	21677	12262	9040	12262
20°	24192	12073	8298	12073
25°	23807	11874	7842	11874
30°	17112	11691	7372	11691
35°	11426	11452	7068	11452
40°	8418	11164	6753	11164
45°	7060	10659	6445	10659
50°	6231	9999	6015	9999
55°	5465	9242	5427	9242
60°	4865	8521	4971	8521
65°	4274	7743	4625	7743
70°	3355	7050	4223	7050
75°	2957	6159	3855	6159
80°	2572	5232	3794	5232
85°	2075	4199	4026	4199



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.4	2.0
10°-20°	354.2	6.2
20°-30°	556.4	9.7
30°-40°	580.5	10.1
40°-50°	496.8	8.7
50°-60°	378.6	6.6
60°-70°	242.7	4.2
70°-80°	116.7	2.0
80°-90°	33.5	0.6
90°-100°	33.9	0.6
100°-110°	161.8	2.8
110°-120°	388.6	6.8
120°-130°	494.8	8.7
130°-140°	528.7	9.2
140°-150°	494.4	8.6
150°-160°	398.8	7.0
160°-170°	257.4	4.5
170°-180°	88.7	1.6
0°-30°	1023.9	17.9
0°-40°	1604.4	28.1
0°-60°	2479.8	43.4
0°-90°	2872.8	50.2
90°-120°	584.3	10.2
90°-150°	2102.1	36.8
90°-180°	2847.0	49.8
0°-180°	5719.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1153	1153	1153	1153	1153	
5°	1369	1153	1016	1153	1369	141
15°	1945	1100	811	1100	1945	552
25°	2004	1000	660	1000	2004	862
35°	870	872	538	872	870	570
45°	464	700	423	700	464	365
55°	291	492	289	492	291	263
65°	168	304	182	304	168	165
75°	71	148	93	148	71	76
85°	17	34	33	34	17	20
90°	21	1	21	1	21	10
95°	26	42	26	42	26	22
105°	30	207	30	207	30	70
115°	408	388	408	388	408	377
125°	558	547	558	547	558	498
135°	687	680	687	680	687	530
145°	793	785	793	785	793	495
155°	864	865	864	865	864	398
165°	910	912	910	912	910	257
175°	930	934	930	934	930	89
180°	934	934	934	934	934	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1227.8	1229.4	1224.2	1223.4	1217.5	1215.9	1215.9	1207.6	1202.5	1195.8	1191.8
5°	1368.9	1376.8	1372.8	1364.0	1349.2	1345.7	1336.3	1321.5	1304.8	1284.0	1274.1
7.5°	1545.1	1555.9	1551.8	1538.0	1522.6	1510.0	1483.6	1459.0	1424.6	1394.3	1368.5
10°	1689.6	1678.3	1669.4	1656.0	1641.8	1618.5	1590.9	1552.9	1509.0	1474.5	1436.0
12.5°	1797.8	1795.9	1784.7	1770.9	1750.8	1728.7	1694.8	1648.5	1597.4	1547.6	1503.5
15°	1945.2	1948.2	1940.8	1926.5	1897.9	1858.9	1807.6	1788.3	1715.3	1661.0	1606.8
17.5°	2047.3	2046.7	2045.7	2025.9	1996.7	1969.0	1921.4	1870.8	1804.6	1728.2	1655.0
20°	2112.0	2107.1	2108.1	2085.8	2064.2	2032.1	1985.7	1912.2	1857.9	1769.6	1694.0
22.5°	2110.4	2109.5	2113.3	2105.6	2089.8	2065.3	2028.7	1966.7	1897.4	1808.3	1723.3
25°	2004.5	2000.5	2023.7	2030.1	2055.3	2059.7	2048.9	2014.9	1949.2	1857.4	1752.3
27.5°	1677.6	1675.5	1718.4	1772.4	1840.6	1893.8	1945.0	1969.8	1949.2	1883.5	1778.2
30°	1376.8	1423.1	1444.9	1522.9	1609.7	1713.4	1804.1	1890.5	1911.7	1883.1	1796.7
32.5°	1143.1	1183.6	1201.6	1268.6	1349.5	1470.9	1607.1	1729.4	1815.8	1837.7	1785.6
35°	869.5	870.0	911.4	941.0	1016.1	1140.9	1273.2	1437.0	1599.8	1723.2	1736.0
37.5°	693.8	696.3	721.3	750.8	807.1	873.2	989.6	1125.8	1313.9	1503.3	1614.3
40°	599.1	603.5	622.3	651.4	691.8	741.7	832.5	960.8	1117.7	1328.4	1500.6
42.5°	538.3	545.4	555.2	577.6	602.7	649.3	722.7	821.8	964.5	1163.8	1362.4
45°	463.8	467.8	475.2	485.6	508.3	540.8	590.2	656.8	775.2	935.7	1134.4
47.5°	409.2	407.1	414.9	423.3	438.4	460.6	493.7	548.1	632.5	761.2	929.9
50°	372.1	371.6	377.0	383.4	397.8	414.1	441.2	482.1	549.2	655.8	810.3
52.5°	337.3	339.2	343.1	351.1	361.4	374.6	398.9	428.4	486.1	578.1	706.8
55°	291.2	292.7	298.0	302.5	309.9	323.2	338.6	363.2	402.7	466.8	572.9
57.5°	252.0	251.4	256.6	257.7	266.1	276.9	288.8	307.9	336.6	384.2	455.6
60°	226.0	224.5	228.9	232.4	236.9	245.7	255.6	274.4	297.1	332.1	393.3
62.5°	202.4	201.6	204.9	208.3	212.0	220.1	228.4	242.8	260.7	290.3	338.8
65°	167.8	169.3	170.7	172.2	174.2	179.1	187.0	196.9	209.2	230.0	264.9
67.5°	131.9	133.4	133.8	136.9	141.1	144.2	149.0	157.8	166.4	183.9	203.8
70°	106.6	106.1	106.6	108.1	113.5	118.9	125.4	131.8	137.1	149.5	166.3
72.5°	91.6	90.7	92.0	92.3	94.9	96.4	100.5	106.5	113.5	121.9	133.9
75°	71.1	71.1	71.1	71.1	73.0	74.0	75.5	77.0	79.5	83.4	92.3
77.5°	52.5	52.6	53.3	53.8	54.2	54.8	55.7	57.1	58.1	60.1	64.0
80°	41.5	41.9	41.5	41.9	41.9	42.9	43.5	44.9	45.4	47.9	49.4
82.5°	31.2	30.9	31.2	31.7	31.7	32.7	32.8	33.8	33.9	35.3	36.8
85°	16.8	15.8	16.8	16.3	17.2	16.3	16.8	17.7	17.7	18.3	20.3
87.5°	8.1	8.9	8.0	8.3	8.3	8.6	8.5	8.3	9.0	8.5	8.5
90°	20.8	20.5	20.2	19.9	19.6	19.1	18.5	17.9	17.2	16.7	14.6
92.5°	23.0	22.8	22.6	22.4	22.2	21.7	20.7	19.7	18.8	17.7	16.2
95°	26.4	26.4	26.4	26.4	26.4	25.8	24.7	23.7	22.6	21.5	19.8
97.5°	28.6	28.5	28.3	28.1	28.0	27.2	26.0	24.8	23.6	22.3	33.5
100°	29.1	28.9	28.8	28.7	28.6	27.8	26.6	25.4	24.1	22.9	46.9
102.5°	29.7	29.4	29.1	28.8	28.6	30.3	34.2	38.0	41.8	45.6	71.9
105°	30.5	30.3	29.9	29.6	29.3	42.8	70.0	97.4	124.6	151.9	165.8
107.5°	95.9	116.4	137.0	157.5	178.1	198.4	218.4	238.4	258.4	278.4	276.3
110°	190.8	212.7	234.8	256.8	278.9	292.5	297.6	302.7	307.7	312.8	311.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	327.3	331.9	336.6	341.2	345.8	348.2	348.1	348.0	347.9	347.8	346.1
115°	407.8	407.2	406.6	406.0	405.4	404.3	402.7	401.2	399.6	398.1	396.7
117.5°	453.1	452.9	452.8	452.7	452.5	451.9	450.6	449.4	448.2	447.0	446.2
120°	484.1	484.1	484.1	484.1	484.1	483.5	482.3	481.1	479.8	478.5	478.2
122.5°	514.6	514.5	514.3	514.3	514.2	513.7	512.7	511.9	511.0	510.2	509.6
125°	557.6	557.3	557.0	556.8	556.4	556.1	555.8	555.4	555.2	554.9	554.2
127.5°	599.0	599.3	599.6	599.9	600.2	600.1	599.6	599.2	598.6	598.1	597.4
130°	625.6	625.9	626.2	626.5	626.9	626.7	626.0	625.5	624.8	624.2	623.6
132.5°	650.0	650.4	650.9	651.3	651.8	651.7	651.0	650.4	649.8	649.2	648.7
135°	687.3	687.8	688.2	688.7	689.2	689.2	688.7	688.2	687.8	687.3	686.7
137.5°	722.5	722.7	723.0	723.4	723.7	723.5	722.7	722.0	721.2	720.5	720.2
140°	743.5	743.9	744.1	744.4	744.8	744.6	743.9	743.4	742.7	742.2	741.7
142.5°	762.9	763.4	763.8	764.2	764.7	764.6	764.1	763.6	763.2	762.7	762.2
145°	792.8	792.8	792.8	792.8	792.8	792.6	792.3	792.0	791.6	791.4	791.1
147.5°	814.9	815.7	816.3	817.1	817.7	818.0	817.7	817.4	817.1	816.7	816.4
150°	831.6	832.1	832.5	833.0	833.5	833.5	833.2	832.9	832.6	832.3	832.0
152.5°	844.9	845.6	846.3	847.1	847.7	847.8	847.3	846.7	846.1	845.6	845.5
155°	863.5	864.4	865.3	866.3	867.2	867.3	866.5	865.7	865.0	864.2	864.0
157.5°	879.2	880.4	881.6	882.8	884.0	884.1	883.2	882.3	881.4	880.4	880.6
160°	889.2	890.2	891.4	892.4	893.5	893.5	892.7	891.7	890.8	889.9	890.0
162.5°	898.6	899.6	900.5	901.4	902.4	902.4	901.4	900.3	899.3	898.1	898.3
165°	909.9	911.1	912.1	913.2	914.3	914.2	912.9	911.7	910.5	909.3	909.5
167.5°	918.1	919.4	920.6	921.9	923.1	923.1	921.9	920.6	919.4	918.1	918.1
170°	923.1	924.4	925.6	926.9	928.1	928.1	926.9	925.6	924.4	923.1	923.1
172.5°	926.0	927.3	928.7	930.0	931.3	931.4	930.2	929.0	927.7	926.5	926.3
175°	930.1	931.3	932.6	933.8	935.0	935.1	934.1	932.9	931.9	930.8	930.7
177.5°	931.3	932.6	933.8	935.0	936.2	936.4	935.4	934.4	933.4	932.5	932.4
180°	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1190.2	1189.0	1183.6	1177.2	1168.9	1163.4	1159.0	1156.7	1149.6	1140.9	1135.0
5°	1263.8	1249.0	1233.2	1213.9	1196.2	1177.9	1166.6	1153.2	1137.0	1118.7	1105.9
7.5°	1342.6	1313.5	1282.2	1250.0	1218.0	1189.5	1164.2	1142.6	1116.6	1090.4	1072.1
10°	1403.0	1360.5	1316.5	1271.7	1230.7	1192.2	1162.6	1133.5	1102.4	1072.3	1049.6
12.5°	1457.8	1401.9	1351.3	1296.2	1243.8	1197.8	1155.1	1120.9	1083.5	1051.4	1025.5
15°	1527.3	1470.1	1408.8	1324.9	1255.4	1197.1	1145.4	1100.4	1055.1	1015.6	990.4
17.5°	1592.2	1506.1	1423.9	1353.9	1263.5	1190.7	1127.5	1073.7	1024.0	982.1	951.1
20°	1619.1	1535.7	1446.3	1357.1	1268.2	1186.8	1113.2	1054.0	1002.2	954.9	926.2
22.5°	1635.2	1540.8	1446.7	1350.8	1256.4	1171.8	1099.1	1033.9	977.8	932.7	897.4
25°	1654.1	1541.6	1437.9	1343.2	1247.0	1155.2	1068.8	999.8	939.1	891.2	853.7
27.5°	1666.5	1534.2	1411.7	1306.4	1208.8	1117.4	1038.2	965.1	903.4	852.8	812.6
30°	1668.9	1528.2	1391.6	1277.6	1178.4	1094.5	1010.6	940.6	875.4	821.6	784.1
32.5°	1672.1	1513.6	1364.3	1243.2	1141.7	1058.6	982.6	915.7	848.9	796.0	757.7
35°	1659.1	1505.6	1323.0	1183.8	1082.1	1001.7	933.1	871.5	805.9	754.5	715.5
37.5°	1603.0	1473.5	1280.2	1116.9	1010.6	936.1	880.2	826.4	766.3	710.9	674.2
40°	1546.5	1441.9	1247.0	1076.3	965.3	888.7	838.4	794.5	736.2	684.5	645.0
42.5°	1462.4	1398.9	1215.4	1033.6	913.9	840.2	797.8	756.6	705.5	652.9	615.8
45°	1308.2	1316.5	1150.8	965.7	842.8	768.8	728.9	700.2	654.9	611.4	573.4
47.5°	1114.7	1193.2	1074.9	893.3	767.9	698.4	663.5	638.6	607.9	565.3	530.7
50°	988.4	1100.4	1014.1	844.8	721.0	651.9	617.4	597.1	570.4	536.9	503.8
52.5°	871.9	992.3	940.7	790.7	670.1	606.9	573.2	556.5	535.3	503.7	473.8
55°	711.1	833.0	821.1	709.1	593.6	536.9	511.2	492.5	478.2	454.5	430.8
57.5°	575.2	690.8	696.9	618.3	526.3	470.2	448.2	434.0	424.7	406.8	384.9
60°	489.6	595.6	616.3	557.1	478.2	428.9	407.1	395.8	388.3	374.1	357.3
62.5°	418.5	508.8	532.3	489.7	432.0	385.8	368.8	357.9	352.8	340.4	325.6
65°	320.3	395.3	417.9	394.3	364.2	327.2	313.4	304.0	299.5	292.7	281.7
67.5°	240.8	295.5	320.4	303.7	292.8	269.5	260.6	255.6	251.7	246.9	237.9
70°	193.4	233.9	259.6	255.1	246.3	233.9	227.5	224.0	220.1	216.1	208.2
72.5°	155.5	183.4	207.5	209.7	202.5	199.9	194.4	192.8	190.5	185.8	181.4
75°	103.1	122.3	139.1	145.5	148.5	151.0	148.5	148.1	147.5	143.6	141.1
77.5°	67.6	77.9	88.5	99.4	104.2	107.4	108.3	110.1	108.8	106.7	105.5
80°	51.8	54.3	61.6	71.1	78.4	81.4	83.4	84.4	83.9	83.4	81.4
82.5°	37.6	39.7	43.2	49.8	56.0	60.9	62.1	61.9	63.0	63.2	61.6
85°	20.3	20.7	21.7	22.7	26.1	31.6	33.1	34.0	35.1	35.1	32.0
87.5°	8.9	8.0	8.5	8.1	9.0	9.0	11.1	12.8	13.5	12.2	12.5
90°	12.6	10.7	8.7	6.9	5.3	3.8	2.3	0.7	2.3	3.8	5.3
92.5°	14.7	13.2	11.7	11.2	11.6	12.1	12.4	12.9	12.4	12.1	11.6
95°	18.1	16.4	14.7	17.1	23.4	29.7	36.0	42.3	36.0	29.7	23.4
97.5°	44.5	55.6	66.7	73.7	76.5	79.4	82.2	85.0	82.2	79.4	76.5
100°	71.0	95.0	119.0	129.5	126.5	123.4	120.3	117.3	120.3	123.4	126.5
102.5°	98.1	124.4	150.7	162.7	160.5	158.3	156.1	153.8	156.1	158.3	160.5
105°	179.6	193.5	207.4	213.5	211.8	210.1	208.4	206.7	208.4	210.1	211.8
107.5°	274.0	271.8	269.7	267.9	266.6	265.1	263.8	262.4	263.8	265.1	266.6
110°	309.4	307.7	306.0	304.5	303.3	302.1	300.9	299.6	300.9	302.1	303.3





TEST NUMBER: P332434-830

CATALOG NUMBER: S123RDIW-S775D755U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	344.4	342.7	341.0	339.6	338.5	337.3	336.2	335.2	336.2	337.3	338.5
115°	395.3	394.0	392.6	391.4	390.5	389.6	388.6	387.7	388.6	389.6	390.5
117.5°	445.5	444.8	444.1	443.2	442.1	440.9	439.8	438.7	439.8	440.9	442.1
120°	477.7	477.2	476.7	475.8	474.4	473.1	471.6	470.2	471.6	473.1	474.4
122.5°	509.1	508.4	507.8	507.0	505.9	504.7	503.6	502.5	503.6	504.7	505.9
125°	553.6	553.0	552.4	551.5	550.3	549.0	547.8	546.6	547.8	549.0	550.3
127.5°	596.6	596.0	595.2	594.2	593.0	591.7	590.5	589.3	590.5	591.7	593.0
130°	623.0	622.4	621.8	620.9	619.6	618.4	617.2	615.9	617.2	618.4	619.6
132.5°	648.2	647.7	647.2	646.4	645.1	643.9	642.6	641.4	642.6	643.9	645.1
135°	686.1	685.5	684.9	684.1	683.2	682.2	681.4	680.4	681.4	682.2	683.2
137.5°	719.8	719.4	719.2	718.4	717.2	716.0	714.8	713.7	714.8	716.0	717.2
140°	741.2	740.7	740.3	739.6	738.7	737.7	736.8	735.8	736.8	737.7	738.7
142.5°	761.8	761.3	760.8	760.2	759.2	758.3	757.3	756.4	757.3	758.3	759.2
145°	790.8	790.4	790.1	789.5	788.3	787.3	786.2	785.1	786.2	787.3	788.3
147.5°	816.1	815.9	815.5	815.0	814.3	813.6	812.8	812.2	812.8	813.6	814.3
150°	831.7	831.4	831.0	830.7	830.2	829.7	829.2	828.9	829.2	829.7	830.2
152.5°	845.3	845.1	844.9	844.7	844.4	844.2	844.0	843.8	844.0	844.2	844.4
155°	863.9	863.7	863.6	863.7	863.9	864.3	864.6	864.9	864.6	864.3	863.9
157.5°	880.7	880.9	881.1	881.2	881.2	881.2	881.3	881.3	881.3	881.2	881.2
160°	890.1	890.3	890.5	890.6	890.8	891.0	891.1	891.3	891.1	891.0	890.8
162.5°	898.5	898.6	898.8	899.1	899.5	899.8	900.3	900.7	900.3	899.8	899.5
165°	909.6	909.7	909.9	910.2	910.7	911.2	911.6	912.1	911.6	911.2	910.7
167.5°	918.1	918.1	918.1	918.5	919.1	919.7	920.3	921.0	920.3	919.7	919.1
170°	923.1	923.1	923.1	923.5	924.1	924.7	925.3	926.0	925.3	924.7	924.1
172.5°	926.2	926.1	926.0	926.3	927.1	927.7	928.5	929.3	928.5	927.7	927.1
175°	930.5	930.3	930.2	930.5	931.2	932.0	932.7	933.6	932.7	932.0	931.2
177.5°	932.2	932.1	932.0	932.2	932.8	933.4	934.1	934.6	934.1	933.4	932.8
180°	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6



TEST NUMBER: P332434-830

CATALOG NUMBER: S123RDIW-S775D755U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1133.0	1127.8	1124.4	1116.4	1111.3	1105.8	1100.2	1103.8	1103.4	1103.0	1103.0
5°	1095.0	1083.6	1073.3	1060.0	1051.6	1041.2	1033.3	1032.4	1034.3	1027.4	1023.4
7.5°	1057.3	1041.8	1027.1	1012.4	996.8	984.4	976.6	972.9	967.9	963.7	959.2
10°	1030.9	1012.6	998.2	980.1	963.3	948.5	939.1	932.6	929.2	925.8	919.4
12.5°	1003.6	985.7	967.5	946.9	930.9	913.7	906.7	899.5	892.9	889.0	880.2
15°	963.7	940.6	921.3	899.6	881.8	865.1	855.2	840.8	838.9	834.0	825.1
17.5°	923.8	898.6	872.0	856.0	835.9	818.5	803.4	798.6	784.5	779.2	771.5
20°	892.2	869.0	848.8	827.6	798.4	782.1	770.3	763.9	752.5	745.6	740.6
22.5°	865.0	841.4	817.9	793.2	769.2	750.9	742.3	732.3	726.1	716.4	711.1
25°	826.0	800.4	772.3	745.6	728.4	714.5	700.7	691.8	683.0	678.5	668.6
27.5°	780.9	754.0	727.7	707.6	686.4	672.7	660.2	652.2	641.6	634.1	628.7
30°	756.0	724.4	701.7	683.4	656.3	643.5	634.1	624.2	616.3	608.4	603.0
32.5°	727.2	698.3	676.8	654.2	633.4	619.4	607.3	598.6	591.8	584.4	578.9
35°	681.9	657.8	635.6	612.8	597.6	583.2	569.0	561.6	555.2	548.3	543.3
37.5°	641.1	618.5	597.4	575.9	556.9	545.3	533.8	528.1	519.4	514.8	509.7
40°	615.9	593.6	570.9	550.3	530.5	521.6	511.2	502.8	494.9	491.5	486.1
42.5°	588.2	566.0	546.9	524.5	508.4	496.3	486.7	477.6	471.6	466.7	463.5
45°	547.2	527.5	508.8	486.5	471.3	460.9	450.1	441.7	436.2	432.8	427.3
47.5°	507.5	487.8	468.7	449.3	434.5	422.7	411.9	406.0	398.8	394.5	391.0
50°	478.6	460.9	440.6	422.9	408.1	396.2	387.4	379.9	373.5	368.2	365.7
52.5°	452.2	433.3	415.8	399.3	383.6	370.2	362.1	354.3	349.5	343.3	340.4
55°	408.6	390.3	375.5	359.2	343.9	332.6	322.7	315.8	310.9	304.0	300.0
57.5°	367.6	351.3	333.6	319.4	303.7	294.1	285.9	276.5	270.5	265.1	261.3
60°	340.0	321.2	305.9	292.7	278.8	266.5	259.1	251.7	245.2	239.8	236.4
62.5°	311.2	294.8	280.3	265.8	253.2	242.4	233.8	227.6	222.0	218.5	215.1
65°	266.9	254.1	239.3	227.5	215.7	207.7	200.9	195.4	191.4	189.0	186.1
67.5°	226.3	213.9	201.0	189.3	181.4	175.4	170.9	166.2	164.2	161.1	159.1
70°	199.8	187.0	175.7	166.8	158.9	154.5	151.5	148.1	146.1	142.1	140.2
72.5°	171.1	161.7	153.5	146.3	140.0	135.9	132.1	127.9	124.8	120.4	118.5
75°	134.7	126.3	119.9	115.0	111.0	105.6	100.2	95.8	94.3	92.7	92.3
77.5°	99.8	94.4	89.8	85.7	80.8	76.8	75.6	74.6	74.3	73.5	73.5
80°	78.4	73.5	70.0	65.1	62.2	62.2	62.2	61.2	61.6	61.6	61.6
82.5°	58.3	53.8	51.9	50.1	49.6	50.0	50.0	50.1	49.9	50.6	50.2
85°	30.1	30.6	31.6	31.1	31.6	31.6	32.6	32.0	32.6	31.6	32.6
87.5°	12.4	13.9	14.8	15.6	16.3	16.4	16.9	17.0	17.5	17.6	17.7
90°	6.9	8.7	10.7	12.6	14.6	16.7	17.2	17.9	18.5	19.1	19.6
92.5°	11.2	11.7	13.2	14.7	16.2	17.7	18.8	19.7	20.7	21.7	22.2
95°	17.1	14.7	16.4	18.1	19.8	21.5	22.6	23.7	24.7	25.8	26.4
97.5°	73.7	66.7	55.6	44.5	33.5	22.3	23.6	24.8	26.0	27.2	28.0
100°	129.5	119.0	95.0	71.0	46.9	22.9	24.1	25.4	26.6	27.8	28.6
102.5°	162.7	150.7	124.4	98.1	71.9	45.6	41.8	38.0	34.2	30.3	28.6
105°	213.5	207.4	193.5	179.6	165.8	151.9	124.6	97.4	70.0	42.8	29.3
107.5°	267.9	269.7	271.8	274.0	276.3	278.4	258.4	238.4	218.4	198.4	178.1
110°	304.5	306.0	307.7	309.4	311.1	312.8	307.7	302.7	297.6	292.5	278.9



TEST NUMBER: P332434-830

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	339.6	341.0	342.7	344.4	346.1	347.8	347.9	348.0	348.1	348.2	345.8
115°	391.4	392.6	394.0	395.3	396.7	398.1	399.6	401.2	402.7	404.3	405.4
117.5°	443.2	444.1	444.8	445.5	446.2	447.0	448.2	449.4	450.6	451.9	452.5
120°	475.8	476.7	477.2	477.7	478.2	478.5	479.8	481.1	482.3	483.5	484.1
122.5°	507.0	507.8	508.4	509.1	509.6	510.2	511.0	511.9	512.7	513.7	514.2
125°	551.5	552.4	553.0	553.6	554.2	554.9	555.2	555.4	555.8	556.1	556.4
127.5°	594.2	595.2	596.0	596.6	597.4	598.1	598.6	599.2	599.6	600.1	600.2
130°	620.9	621.8	622.4	623.0	623.6	624.2	624.8	625.5	626.0	626.7	626.9
132.5°	646.4	647.2	647.7	648.2	648.7	649.2	649.8	650.4	651.0	651.7	651.8
135°	684.1	684.9	685.5	686.1	686.7	687.3	687.8	688.2	688.7	689.2	689.2
137.5°	718.4	719.2	719.4	719.8	720.2	720.5	721.2	722.0	722.7	723.5	723.7
140°	739.6	740.3	740.7	741.2	741.7	742.2	742.7	743.4	743.9	744.6	744.8
142.5°	760.2	760.8	761.3	761.8	762.2	762.7	763.2	763.6	764.1	764.6	764.7
145°	789.5	790.1	790.4	790.8	791.1	791.4	791.6	792.0	792.3	792.6	792.8
147.5°	815.0	815.5	815.9	816.1	816.4	816.7	817.1	817.4	817.7	818.0	817.7
150°	830.7	831.0	831.4	831.7	832.0	832.3	832.6	832.9	833.2	833.5	833.5
152.5°	844.7	844.9	845.1	845.3	845.5	845.6	846.1	846.7	847.3	847.8	847.7
155°	863.7	863.6	863.7	863.9	864.0	864.2	865.0	865.7	866.5	867.3	867.2
157.5°	881.2	881.1	880.9	880.7	880.6	880.4	881.4	882.3	883.2	884.1	884.0
160°	890.6	890.5	890.3	890.1	890.0	889.9	890.8	891.7	892.7	893.5	893.5
162.5°	899.1	898.8	898.6	898.5	898.3	898.1	899.3	900.3	901.4	902.4	902.4
165°	910.2	909.9	909.7	909.6	909.5	909.3	910.5	911.7	912.9	914.2	914.3
167.5°	918.5	918.1	918.1	918.1	918.1	918.1	919.4	920.6	921.9	923.1	923.1
170°	923.5	923.1	923.1	923.1	923.1	923.1	924.4	925.6	926.9	928.1	928.1
172.5°	926.3	926.0	926.1	926.2	926.3	926.5	927.7	929.0	930.2	931.4	931.3
175°	930.5	930.2	930.3	930.5	930.7	930.8	931.9	932.9	934.1	935.1	935.0
177.5°	932.2	932.0	932.1	932.2	932.4	932.5	933.4	934.4	935.4	936.4	936.2
180°	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6



TEST NUMBER: P332434-830

CATALOG NUMBER: S123RDIW-S775D755U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1098.3	1097.9	1098.3	1096.6	1098.3	1097.9	1098.3	1103.0	1103.0	1103.4	1103.8
5°	1022.0	1021.4	1020.0	1015.6	1020.0	1021.4	1022.0	1023.4	1027.4	1034.3	1032.4
7.5°	955.4	954.7	950.4	950.5	950.4	954.7	955.4	959.2	963.7	967.9	972.9
10°	915.9	916.3	910.5	907.0	910.5	916.3	915.9	919.4	925.8	929.2	932.6
12.5°	877.6	875.3	870.5	866.8	870.5	875.3	877.6	880.2	889.0	892.9	899.5
15°	827.1	822.1	810.3	811.2	810.3	822.1	827.1	825.1	834.0	838.9	840.8
17.5°	767.5	763.9	763.6	756.8	763.6	763.9	767.5	771.5	779.2	784.5	798.6
20°	732.8	730.4	731.3	724.4	731.3	730.4	732.8	740.6	745.6	752.5	763.9
22.5°	705.6	703.1	699.0	696.8	699.0	703.1	705.6	711.1	716.4	726.1	732.3
25°	665.7	661.8	657.8	660.3	657.8	661.8	665.7	668.6	678.5	683.0	691.8
27.5°	625.8	622.8	618.9	618.4	618.9	622.8	625.8	628.7	634.1	641.6	652.2
30°	600.6	597.6	595.6	593.1	595.6	597.6	600.6	603.0	608.4	616.3	624.2
32.5°	574.9	574.3	570.7	570.2	570.7	574.3	574.9	578.9	584.4	591.8	598.6
35°	541.3	538.4	537.3	537.9	537.3	538.4	541.3	543.3	548.3	555.2	561.6
37.5°	509.4	505.5	503.7	502.0	503.7	505.5	509.4	509.7	514.8	519.4	528.1
40°	486.5	482.6	481.6	480.6	481.6	482.6	486.5	486.1	491.5	494.9	502.8
42.5°	460.9	459.3	458.7	456.9	458.7	459.3	460.9	463.5	466.7	471.6	477.6
45°	425.8	425.4	422.4	423.4	422.4	425.4	425.8	427.3	432.8	436.2	441.7
47.5°	389.0	386.8	384.7	386.1	384.7	386.8	389.0	391.0	394.5	398.8	406.0
50°	363.7	362.7	358.3	359.2	358.3	362.7	363.7	365.7	368.2	373.5	379.9
52.5°	338.5	334.7	333.0	332.4	333.0	334.7	338.5	340.4	343.3	349.5	354.3
55°	296.6	292.1	290.1	289.2	290.1	292.1	296.6	300.0	304.0	310.9	315.8
57.5°	255.5	254.3	252.8	253.8	252.8	254.3	255.5	261.3	265.1	270.5	276.5
60°	231.4	231.4	231.4	230.9	231.4	231.4	231.4	236.4	239.8	245.2	251.7
62.5°	212.9	211.7	211.3	212.0	211.3	211.7	212.9	215.1	218.5	222.0	227.6
65°	184.5	184.1	182.1	181.6	182.1	184.1	184.5	186.1	189.0	191.4	195.4
67.5°	157.8	156.0	155.4	154.8	155.4	156.0	157.8	159.1	161.1	164.2	166.2
70°	137.7	136.7	133.7	134.2	133.7	136.7	137.7	140.2	142.1	146.1	148.1
72.5°	115.9	115.0	114.4	113.7	114.4	115.0	115.9	118.5	120.4	124.8	127.9
75°	91.8	91.3	90.8	92.7	90.8	91.3	91.8	92.3	92.7	94.3	95.8
77.5°	73.5	73.5	73.8	73.0	73.8	73.5	73.5	73.5	73.5	74.3	74.6
80°	61.6	61.6	61.2	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.2
82.5°	49.5	49.9	50.1	49.4	50.1	49.9	49.5	50.2	50.6	49.9	50.1
85°	32.6	32.0	33.1	32.6	33.1	32.0	32.6	32.6	31.6	32.6	32.0
87.5°	18.6	17.8	17.9	18.4	17.9	17.8	18.6	17.7	17.6	17.5	17.0
90°	19.9	20.2	20.5	20.8	20.5	20.2	19.9	19.6	19.1	18.5	17.9
92.5°	22.4	22.6	22.8	23.0	22.8	22.6	22.4	22.2	21.7	20.7	19.7
95°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	25.8	24.7	23.7
97.5°	28.1	28.3	28.5	28.6	28.5	28.3	28.1	28.0	27.2	26.0	24.8
100°	28.7	28.8	28.9	29.1	28.9	28.8	28.7	28.6	27.8	26.6	25.4
102.5°	28.8	29.1	29.4	29.7	29.4	29.1	28.8	28.6	30.3	34.2	38.0
105°	29.6	29.9	30.3	30.5	30.3	29.9	29.6	29.3	42.8	70.0	97.4
107.5°	157.5	137.0	116.4	95.9	116.4	137.0	157.5	178.1	198.4	218.4	238.4
110°	256.8	234.8	212.7	190.8	212.7	234.8	256.8	278.9	292.5	297.6	302.7



TEST NUMBER: P332434-830

CATALOG NUMBER: S123RDIW-S775D755U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	341.2	336.6	331.9	327.3	331.9	336.6	341.2	345.8	348.2	348.1	348.0
115°	406.0	406.6	407.2	407.8	407.2	406.6	406.0	405.4	404.3	402.7	401.2
117.5°	452.7	452.8	452.9	453.1	452.9	452.8	452.7	452.5	451.9	450.6	449.4
120°	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1	483.5	482.3	481.1
122.5°	514.3	514.3	514.5	514.6	514.5	514.3	514.3	514.2	513.7	512.7	511.9
125°	556.8	557.0	557.3	557.6	557.3	557.0	556.8	556.4	556.1	555.8	555.4
127.5°	599.9	599.6	599.3	599.0	599.3	599.6	599.9	600.2	600.1	599.6	599.2
130°	626.5	626.2	625.9	625.6	625.9	626.2	626.5	626.9	626.7	626.0	625.5
132.5°	651.3	650.9	650.4	650.0	650.4	650.9	651.3	651.8	651.7	651.0	650.4
135°	688.7	688.2	687.8	687.3	687.8	688.2	688.7	689.2	689.2	688.7	688.2
137.5°	723.4	723.0	722.7	722.5	722.7	723.0	723.4	723.7	723.5	722.7	722.0
140°	744.4	744.1	743.9	743.5	743.9	744.1	744.4	744.8	744.6	743.9	743.4
142.5°	764.2	763.8	763.4	762.9	763.4	763.8	764.2	764.7	764.6	764.1	763.6
145°	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.6	792.3	792.0
147.5°	817.1	816.3	815.7	814.9	815.7	816.3	817.1	817.7	818.0	817.7	817.4
150°	833.0	832.5	832.1	831.6	832.1	832.5	833.0	833.5	833.5	833.2	832.9
152.5°	847.1	846.3	845.6	844.9	845.6	846.3	847.1	847.7	847.8	847.3	846.7
155°	866.3	865.3	864.4	863.5	864.4	865.3	866.3	867.2	867.3	866.5	865.7
157.5°	882.8	881.6	880.4	879.2	880.4	881.6	882.8	884.0	884.1	883.2	882.3
160°	892.4	891.4	890.2	889.2	890.2	891.4	892.4	893.5	893.5	892.7	891.7
162.5°	901.4	900.5	899.6	898.6	899.6	900.5	901.4	902.4	902.4	901.4	900.3
165°	913.2	912.1	911.1	909.9	911.1	912.1	913.2	914.3	914.2	912.9	911.7
167.5°	921.9	920.6	919.4	918.1	919.4	920.6	921.9	923.1	923.1	921.9	920.6
170°	926.9	925.6	924.4	923.1	924.4	925.6	926.9	928.1	928.1	926.9	925.6
172.5°	930.0	928.7	927.3	926.0	927.3	928.7	930.0	931.3	931.4	930.2	929.0
175°	933.8	932.6	931.3	930.1	931.3	932.6	933.8	935.0	935.1	934.1	932.9
177.5°	935.0	933.8	932.6	931.3	932.6	933.8	935.0	936.2	936.4	935.4	934.4
180°	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6



TEST NUMBER: P332434-830

CATALOG NUMBER: S123RDIW-S775D755U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1100.2	1105.8	1111.3	1116.4	1124.4	1127.8	1133.0	1135.0	1140.9	1149.6	1156.7
5°	1033.3	1041.2	1051.6	1060.0	1073.3	1083.6	1095.0	1105.9	1118.7	1137.0	1153.2
7.5°	976.6	984.4	996.8	1012.4	1027.1	1041.8	1057.3	1072.1	1090.4	1116.6	1142.6
10°	939.1	948.5	963.3	980.1	998.2	1012.6	1030.9	1049.6	1072.3	1102.4	1133.5
12.5°	906.7	913.7	930.9	946.9	967.5	985.7	1003.6	1025.5	1051.4	1083.5	1120.9
15°	855.2	865.1	881.8	899.6	921.3	940.6	963.7	990.4	1015.6	1055.1	1100.4
17.5°	803.4	818.5	835.9	856.0	872.0	898.6	923.8	951.1	982.1	1024.0	1073.7
20°	770.3	782.1	798.4	827.6	848.8	869.0	892.2	926.2	954.9	1002.2	1054.0
22.5°	742.3	750.9	769.2	793.2	817.9	841.4	865.0	897.4	932.7	977.8	1033.9
25°	700.7	714.5	728.4	745.6	772.3	800.4	826.0	853.7	891.2	939.1	999.8
27.5°	660.2	672.7	686.4	707.6	727.7	754.0	780.9	812.6	852.8	903.4	965.1
30°	634.1	643.5	656.3	683.4	701.7	724.4	756.0	784.1	821.6	875.4	940.6
32.5°	607.3	619.4	633.4	654.2	676.8	698.3	727.2	757.7	796.0	848.9	915.7
35°	569.0	583.2	597.6	612.8	635.6	657.8	681.9	715.5	754.5	805.9	871.5
37.5°	533.8	545.3	556.9	575.9	597.4	618.5	641.1	674.2	710.9	766.3	826.4
40°	511.2	521.6	530.5	550.3	570.9	593.6	615.9	645.0	684.5	736.2	794.5
42.5°	486.7	496.3	508.4	524.5	546.9	566.0	588.2	615.8	652.9	705.5	756.6
45°	450.1	460.9	471.3	486.5	508.8	527.5	547.2	573.4	611.4	654.9	700.2
47.5°	411.9	422.7	434.5	449.3	468.7	487.8	507.5	530.7	565.3	607.9	638.6
50°	387.4	396.2	408.1	422.9	440.6	460.9	478.6	503.8	536.9	570.4	597.1
52.5°	362.1	370.2	383.6	399.3	415.8	433.3	452.2	473.8	503.7	535.3	556.5
55°	322.7	332.6	343.9	359.2	375.5	390.3	408.6	430.8	454.5	478.2	492.5
57.5°	285.9	294.1	303.7	319.4	333.6	351.3	367.6	384.9	406.8	424.7	434.0
60°	259.1	266.5	278.8	292.7	305.9	321.2	340.0	357.3	374.1	388.3	395.8
62.5°	233.8	242.4	253.2	265.8	280.3	294.8	311.2	325.6	340.4	352.8	357.9
65°	200.9	207.7	215.7	227.5	239.3	254.1	266.9	281.7	292.7	299.5	304.0
67.5°	170.9	175.4	181.4	189.3	201.0	213.9	226.3	237.9	246.9	251.7	255.6
70°	151.5	154.5	158.9	166.8	175.7	187.0	199.8	208.2	216.1	220.1	224.0
72.5°	132.1	135.9	140.0	146.3	153.5	161.7	171.1	181.4	185.8	190.5	192.8
75°	100.2	105.6	111.0	115.0	119.9	126.3	134.7	141.1	143.6	147.5	148.1
77.5°	75.6	76.8	80.8	85.7	89.8	94.4	99.8	105.5	106.7	108.8	110.1
80°	62.2	62.2	62.2	65.1	70.0	73.5	78.4	81.4	83.4	83.9	84.4
82.5°	50.0	50.0	49.6	50.1	51.9	53.8	58.3	61.6	63.2	63.0	61.9
85°	32.6	31.6	31.6	31.1	31.6	30.6	30.1	32.0	35.1	35.1	34.0
87.5°	16.9	16.4	16.3	15.6	14.8	13.9	12.4	12.5	12.2	13.5	12.8
90°	17.2	16.7	14.6	12.6	10.7	8.7	6.9	5.3	3.8	2.3	0.7
92.5°	18.8	17.7	16.2	14.7	13.2	11.7	11.2	11.6	12.1	12.4	12.9
95°	22.6	21.5	19.8	18.1	16.4	14.7	17.1	23.4	29.7	36.0	42.3
97.5°	23.6	22.3	33.5	44.5	55.6	66.7	73.7	76.5	79.4	82.2	85.0
100°	24.1	22.9	46.9	71.0	95.0	119.0	129.5	126.5	123.4	120.3	117.3
102.5°	41.8	45.6	71.9	98.1	124.4	150.7	162.7	160.5	158.3	156.1	153.8
105°	124.6	151.9	165.8	179.6	193.5	207.4	213.5	211.8	210.1	208.4	206.7
107.5°	258.4	278.4	276.3	274.0	271.8	269.7	267.9	266.6	265.1	263.8	262.4
110°	307.7	312.8	311.1	309.4	307.7	306.0	304.5	303.3	302.1	300.9	299.6



TEST NUMBER: P332434-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	347.9	347.8	346.1	344.4	342.7	341.0	339.6	338.5	337.3	336.2	335.2
115°	399.6	398.1	396.7	395.3	394.0	392.6	391.4	390.5	389.6	388.6	387.7
117.5°	448.2	447.0	446.2	445.5	444.8	444.1	443.2	442.1	440.9	439.8	438.7
120°	479.8	478.5	478.2	477.7	477.2	476.7	475.8	474.4	473.1	471.6	470.2
122.5°	511.0	510.2	509.6	509.1	508.4	507.8	507.0	505.9	504.7	503.6	502.5
125°	555.2	554.9	554.2	553.6	553.0	552.4	551.5	550.3	549.0	547.8	546.6
127.5°	598.6	598.1	597.4	596.6	596.0	595.2	594.2	593.0	591.7	590.5	589.3
130°	624.8	624.2	623.6	623.0	622.4	621.8	620.9	619.6	618.4	617.2	615.9
132.5°	649.8	649.2	648.7	648.2	647.7	647.2	646.4	645.1	643.9	642.6	641.4
135°	687.8	687.3	686.7	686.1	685.5	684.9	684.1	683.2	682.2	681.4	680.4
137.5°	721.2	720.5	720.2	719.8	719.4	719.2	718.4	717.2	716.0	714.8	713.7
140°	742.7	742.2	741.7	741.2	740.7	740.3	739.6	738.7	737.7	736.8	735.8
142.5°	763.2	762.7	762.2	761.8	761.3	760.8	760.2	759.2	758.3	757.3	756.4
145°	791.6	791.4	791.1	790.8	790.4	790.1	789.5	788.3	787.3	786.2	785.1
147.5°	817.1	816.7	816.4	816.1	815.9	815.5	815.0	814.3	813.6	812.8	812.2
150°	832.6	832.3	832.0	831.7	831.4	831.0	830.7	830.2	829.7	829.2	828.9
152.5°	846.1	845.6	845.5	845.3	845.1	844.9	844.7	844.4	844.2	844.0	843.8
155°	865.0	864.2	864.0	863.9	863.7	863.6	863.7	863.9	864.3	864.6	864.9
157.5°	881.4	880.4	880.6	880.7	880.9	881.1	881.2	881.2	881.2	881.3	881.3
160°	890.8	889.9	890.0	890.1	890.3	890.5	890.6	890.8	891.0	891.1	891.3
162.5°	899.3	898.1	898.3	898.5	898.6	898.8	899.1	899.5	899.8	900.3	900.7
165°	910.5	909.3	909.5	909.6	909.7	909.9	910.2	910.7	911.2	911.6	912.1
167.5°	919.4	918.1	918.1	918.1	918.1	918.1	918.5	919.1	919.7	920.3	921.0
170°	924.4	923.1	923.1	923.1	923.1	923.1	923.5	924.1	924.7	925.3	926.0
172.5°	927.7	926.5	926.3	926.2	926.1	926.0	926.3	927.1	927.7	928.5	929.3
175°	931.9	930.8	930.7	930.5	930.3	930.2	930.5	931.2	932.0	932.7	933.6
177.5°	933.4	932.5	932.4	932.2	932.1	932.0	932.2	932.8	933.4	934.1	934.6
180°	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6



TEST NUMBER: P332434-830

CATALOG NUMBER: S123RDIW-S775D755U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1159.0	1163.4	1168.9	1177.2	1183.6	1189.0	1190.2	1191.8	1195.8	1202.5	1207.6
5°	1166.6	1177.9	1196.2	1213.9	1233.2	1249.0	1263.8	1274.1	1284.0	1304.8	1321.5
7.5°	1164.2	1189.5	1218.0	1250.0	1282.2	1313.5	1342.6	1368.5	1394.3	1424.6	1459.0
10°	1162.6	1192.2	1230.7	1271.7	1316.5	1360.5	1403.0	1436.0	1474.5	1509.0	1552.9
12.5°	1155.1	1197.8	1243.8	1296.2	1351.3	1401.9	1457.8	1503.5	1547.6	1597.4	1648.5
15°	1145.4	1197.1	1255.4	1324.9	1408.8	1470.1	1527.3	1606.8	1661.0	1715.3	1788.3
17.5°	1127.5	1190.7	1263.5	1353.9	1423.9	1506.1	1592.2	1655.0	1728.2	1804.6	1870.8
20°	1113.2	1186.8	1268.2	1357.1	1446.3	1535.7	1619.1	1694.0	1769.6	1857.9	1912.2
22.5°	1099.1	1171.8	1256.4	1350.8	1446.7	1540.8	1635.2	1723.3	1808.3	1897.4	1966.7
25°	1068.8	1155.2	1247.0	1343.2	1437.9	1541.6	1654.1	1752.3	1857.4	1949.2	2014.9
27.5°	1038.2	1117.4	1208.8	1306.4	1411.7	1534.2	1666.5	1778.2	1883.5	1949.2	1969.8
30°	1010.6	1094.5	1178.4	1277.6	1391.6	1528.2	1668.9	1796.7	1883.1	1911.7	1890.5
32.5°	982.6	1058.6	1141.7	1243.2	1364.3	1513.6	1672.1	1785.6	1837.7	1815.8	1729.4
35°	933.1	1001.7	1082.1	1183.8	1323.0	1505.6	1659.1	1736.0	1723.2	1599.8	1437.0
37.5°	880.2	936.1	1010.6	1116.9	1280.2	1473.5	1603.0	1614.3	1503.3	1313.9	1125.8
40°	838.4	888.7	965.3	1076.3	1247.0	1441.9	1546.5	1500.6	1328.4	1117.7	960.8
42.5°	797.8	840.2	913.9	1033.6	1215.4	1398.9	1462.4	1362.4	1163.8	964.5	821.8
45°	728.9	768.8	842.8	965.7	1150.8	1316.5	1308.2	1134.4	935.7	775.2	656.8
47.5°	663.5	698.4	767.9	893.3	1074.9	1193.2	1114.7	929.9	761.2	632.5	548.1
50°	617.4	651.9	721.0	844.8	1014.1	1100.4	988.4	810.3	655.8	549.2	482.1
52.5°	573.2	606.9	670.1	790.7	940.7	992.3	871.9	706.8	578.1	486.1	428.4
55°	511.2	536.9	593.6	709.1	821.1	833.0	711.1	572.9	466.8	402.7	363.2
57.5°	448.2	470.2	526.3	618.3	696.9	690.8	575.2	455.6	384.2	336.6	307.9
60°	407.1	428.9	478.2	557.1	616.3	595.6	489.6	393.3	332.1	297.1	274.4
62.5°	368.8	385.8	432.0	489.7	532.3	508.8	418.5	338.8	290.3	260.7	242.8
65°	313.4	327.2	364.2	394.3	417.9	395.3	320.3	264.9	230.0	209.2	196.9
67.5°	260.6	269.5	292.8	303.7	320.4	295.5	240.8	203.8	183.9	166.4	157.8
70°	227.5	233.9	246.3	255.1	259.6	233.9	193.4	166.3	149.5	137.1	131.8
72.5°	194.4	199.9	202.5	209.7	207.5	183.4	155.5	133.9	121.9	113.5	106.5
75°	148.5	151.0	148.5	145.5	139.1	122.3	103.1	92.3	83.4	79.5	77.0
77.5°	108.3	107.4	104.2	99.4	88.5	77.9	67.6	64.0	60.1	58.1	57.1
80°	83.4	81.4	78.4	71.1	61.6	54.3	51.8	49.4	47.9	45.4	44.9
82.5°	62.1	60.9	56.0	49.8	43.2	39.7	37.6	36.8	35.3	33.9	33.8
85°	33.1	31.6	26.1	22.7	21.7	20.7	20.3	20.3	18.3	17.7	17.7
87.5°	11.1	9.0	9.0	8.1	8.5	8.0	8.9	8.5	8.5	9.0	8.3
90°	2.3	3.8	5.3	6.9	8.7	10.7	12.6	14.6	16.7	17.2	17.9
92.5°	12.4	12.1	11.6	11.2	11.7	13.2	14.7	16.2	17.7	18.8	19.7
95°	36.0	29.7	23.4	17.1	14.7	16.4	18.1	19.8	21.5	22.6	23.7
97.5°	82.2	79.4	76.5	73.7	66.7	55.6	44.5	33.5	22.3	23.6	24.8
100°	120.3	123.4	126.5	129.5	119.0	95.0	71.0	46.9	22.9	24.1	25.4
102.5°	156.1	158.3	160.5	162.7	150.7	124.4	98.1	71.9	45.6	41.8	38.0
105°	208.4	210.1	211.8	213.5	207.4	193.5	179.6	165.8	151.9	124.6	97.4
107.5°	263.8	265.1	266.6	267.9	269.7	271.8	274.0	276.3	278.4	258.4	238.4
110°	300.9	302.1	303.3	304.5	306.0	307.7	309.4	311.1	312.8	307.7	302.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	336.2	337.3	338.5	339.6	341.0	342.7	344.4	346.1	347.8	347.9	348.0
115°	388.6	389.6	390.5	391.4	392.6	394.0	395.3	396.7	398.1	399.6	401.2
117.5°	439.8	440.9	442.1	443.2	444.1	444.8	445.5	446.2	447.0	448.2	449.4
120°	471.6	473.1	474.4	475.8	476.7	477.2	477.7	478.2	478.5	479.8	481.1
122.5°	503.6	504.7	505.9	507.0	507.8	508.4	509.1	509.6	510.2	511.0	511.9
125°	547.8	549.0	550.3	551.5	552.4	553.0	553.6	554.2	554.9	555.2	555.4
127.5°	590.5	591.7	593.0	594.2	595.2	596.0	596.6	597.4	598.1	598.6	599.2
130°	617.2	618.4	619.6	620.9	621.8	622.4	623.0	623.6	624.2	624.8	625.5
132.5°	642.6	643.9	645.1	646.4	647.2	647.7	648.2	648.7	649.2	649.8	650.4
135°	681.4	682.2	683.2	684.1	684.9	685.5	686.1	686.7	687.3	687.8	688.2
137.5°	714.8	716.0	717.2	718.4	719.2	719.4	719.8	720.2	720.5	721.2	722.0
140°	736.8	737.7	738.7	739.6	740.3	740.7	741.2	741.7	742.2	742.7	743.4
142.5°	757.3	758.3	759.2	760.2	760.8	761.3	761.8	762.2	762.7	763.2	763.6
145°	786.2	787.3	788.3	789.5	790.1	790.4	790.8	791.1	791.4	791.6	792.0
147.5°	812.8	813.6	814.3	815.0	815.5	815.9	816.1	816.4	816.7	817.1	817.4
150°	829.2	829.7	830.2	830.7	831.0	831.4	831.7	832.0	832.3	832.6	832.9
152.5°	844.0	844.2	844.4	844.7	844.9	845.1	845.3	845.5	845.6	846.1	846.7
155°	864.6	864.3	863.9	863.7	863.6	863.7	863.9	864.0	864.2	865.0	865.7
157.5°	881.3	881.2	881.2	881.2	881.1	880.9	880.7	880.6	880.4	881.4	882.3
160°	891.1	891.0	890.8	890.6	890.5	890.3	890.1	890.0	889.9	890.8	891.7
162.5°	900.3	899.8	899.5	899.1	898.8	898.6	898.5	898.3	898.1	899.3	900.3
165°	911.6	911.2	910.7	910.2	909.9	909.7	909.6	909.5	909.3	910.5	911.7
167.5°	920.3	919.7	919.1	918.5	918.1	918.1	918.1	918.1	918.1	919.4	920.6
170°	925.3	924.7	924.1	923.5	923.1	923.1	923.1	923.1	923.1	924.4	925.6
172.5°	928.5	927.7	927.1	926.3	926.0	926.1	926.2	926.3	926.5	927.7	929.0
175°	932.7	932.0	931.2	930.5	930.2	930.3	930.5	930.7	930.8	931.9	932.9
177.5°	934.1	933.4	932.8	932.2	932.0	932.1	932.2	932.4	932.5	933.4	934.4
180°	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6	933.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1215.9	1215.9	1217.5	1223.4	1224.2	1229.4	1227.8
5°	1336.3	1345.7	1349.2	1364.0	1372.8	1376.8	1368.9
7.5°	1483.6	1510.0	1522.6	1538.0	1551.8	1555.9	1545.1
10°	1590.9	1618.5	1641.8	1656.0	1669.4	1678.3	1689.6
12.5°	1694.8	1728.7	1750.8	1770.9	1784.7	1795.9	1797.8
15°	1807.6	1858.9	1897.9	1926.5	1940.8	1948.2	1945.2
17.5°	1921.4	1969.0	1996.7	2025.9	2045.7	2046.7	2047.3
20°	1985.7	2032.1	2064.2	2085.8	2108.1	2107.1	2112.0
22.5°	2028.7	2065.3	2089.8	2105.6	2113.3	2109.5	2110.4
25°	2048.9	2059.7	2055.3	2030.1	2023.7	2000.5	2004.5
27.5°	1945.0	1893.8	1840.6	1772.4	1718.4	1675.5	1677.6
30°	1804.1	1713.4	1609.7	1522.9	1444.9	1423.1	1376.8
32.5°	1607.1	1470.9	1349.5	1268.6	1201.6	1183.6	1143.1
35°	1273.2	1140.9	1016.1	941.0	911.4	870.0	869.5
37.5°	989.6	873.2	807.1	750.8	721.3	696.3	693.8
40°	832.5	741.7	691.8	651.4	622.3	603.5	599.1
42.5°	722.7	649.3	602.7	577.6	555.2	545.4	538.3
45°	590.2	540.8	508.3	485.6	475.2	467.8	463.8
47.5°	493.7	460.6	438.4	423.3	414.9	407.1	409.2
50°	441.2	414.1	397.8	383.4	377.0	371.6	372.1
52.5°	398.9	374.6	361.4	351.1	343.1	339.2	337.3
55°	338.6	323.2	309.9	302.5	298.0	292.7	291.2
57.5°	288.8	276.9	266.1	257.7	256.6	251.4	252.0
60°	255.6	245.7	236.9	232.4	228.9	224.5	226.0
62.5°	228.4	220.1	212.0	208.3	204.9	201.6	202.4
65°	187.0	179.1	174.2	172.2	170.7	169.3	167.8
67.5°	149.0	144.2	141.1	136.9	133.8	133.4	131.9
70°	125.4	118.9	113.5	108.1	106.6	106.1	106.6
72.5°	100.5	96.4	94.9	92.3	92.0	90.7	91.6
75°	75.5	74.0	73.0	71.1	71.1	71.1	71.1
77.5°	55.7	54.8	54.2	53.8	53.3	52.6	52.5
80°	43.5	42.9	41.9	41.9	41.5	41.9	41.5
82.5°	32.8	32.7	31.7	31.7	31.2	30.9	31.2
85°	16.8	16.3	17.2	16.3	16.8	15.8	16.8
87.5°	8.5	8.6	8.3	8.3	8.0	8.9	8.1
90°	18.5	19.1	19.6	19.9	20.2	20.5	20.8
92.5°	20.7	21.7	22.2	22.4	22.6	22.8	23.0
95°	24.7	25.8	26.4	26.4	26.4	26.4	26.4
97.5°	26.0	27.2	28.0	28.1	28.3	28.5	28.6
100°	26.6	27.8	28.6	28.7	28.8	28.9	29.1
102.5°	34.2	30.3	28.6	28.8	29.1	29.4	29.7
105°	70.0	42.8	29.3	29.6	29.9	30.3	30.5
107.5°	218.4	198.4	178.1	157.5	137.0	116.4	95.9
110°	297.6	292.5	278.9	256.8	234.8	212.7	190.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	348.1	348.2	345.8	341.2	336.6	331.9	327.3
115°	402.7	404.3	405.4	406.0	406.6	407.2	407.8
117.5°	450.6	451.9	452.5	452.7	452.8	452.9	453.1
120°	482.3	483.5	484.1	484.1	484.1	484.1	484.1
122.5°	512.7	513.7	514.2	514.3	514.3	514.5	514.6
125°	555.8	556.1	556.4	556.8	557.0	557.3	557.6
127.5°	599.6	600.1	600.2	599.9	599.6	599.3	599.0
130°	626.0	626.7	626.9	626.5	626.2	625.9	625.6
132.5°	651.0	651.7	651.8	651.3	650.9	650.4	650.0
135°	688.7	689.2	689.2	688.7	688.2	687.8	687.3
137.5°	722.7	723.5	723.7	723.4	723.0	722.7	722.5
140°	743.9	744.6	744.8	744.4	744.1	743.9	743.5
142.5°	764.1	764.6	764.7	764.2	763.8	763.4	762.9
145°	792.3	792.6	792.8	792.8	792.8	792.8	792.8
147.5°	817.7	818.0	817.7	817.1	816.3	815.7	814.9
150°	833.2	833.5	833.5	833.0	832.5	832.1	831.6
152.5°	847.3	847.8	847.7	847.1	846.3	845.6	844.9
155°	866.5	867.3	867.2	866.3	865.3	864.4	863.5
157.5°	883.2	884.1	884.0	882.8	881.6	880.4	879.2
160°	892.7	893.5	893.5	892.4	891.4	890.2	889.2
162.5°	901.4	902.4	902.4	901.4	900.5	899.6	898.6
165°	912.9	914.2	914.3	913.2	912.1	911.1	909.9
167.5°	921.9	923.1	923.1	921.9	920.6	919.4	918.1
170°	926.9	928.1	928.1	926.9	925.6	924.4	923.1
172.5°	930.2	931.4	931.3	930.0	928.7	927.3	926.0
175°	934.1	935.1	935.0	933.8	932.6	931.3	930.1
177.5°	935.4	936.4	936.2	935.0	933.8	932.6	931.3
180°	933.6	933.6	933.6	933.6	933.6	933.6	933.6

(END OF REPORT)