

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: P332156-935

Luminaire Tested: **S123DIW-S775D755U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332156-935  
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: S123DIW-S775D755U935-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 755 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5411.0 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse

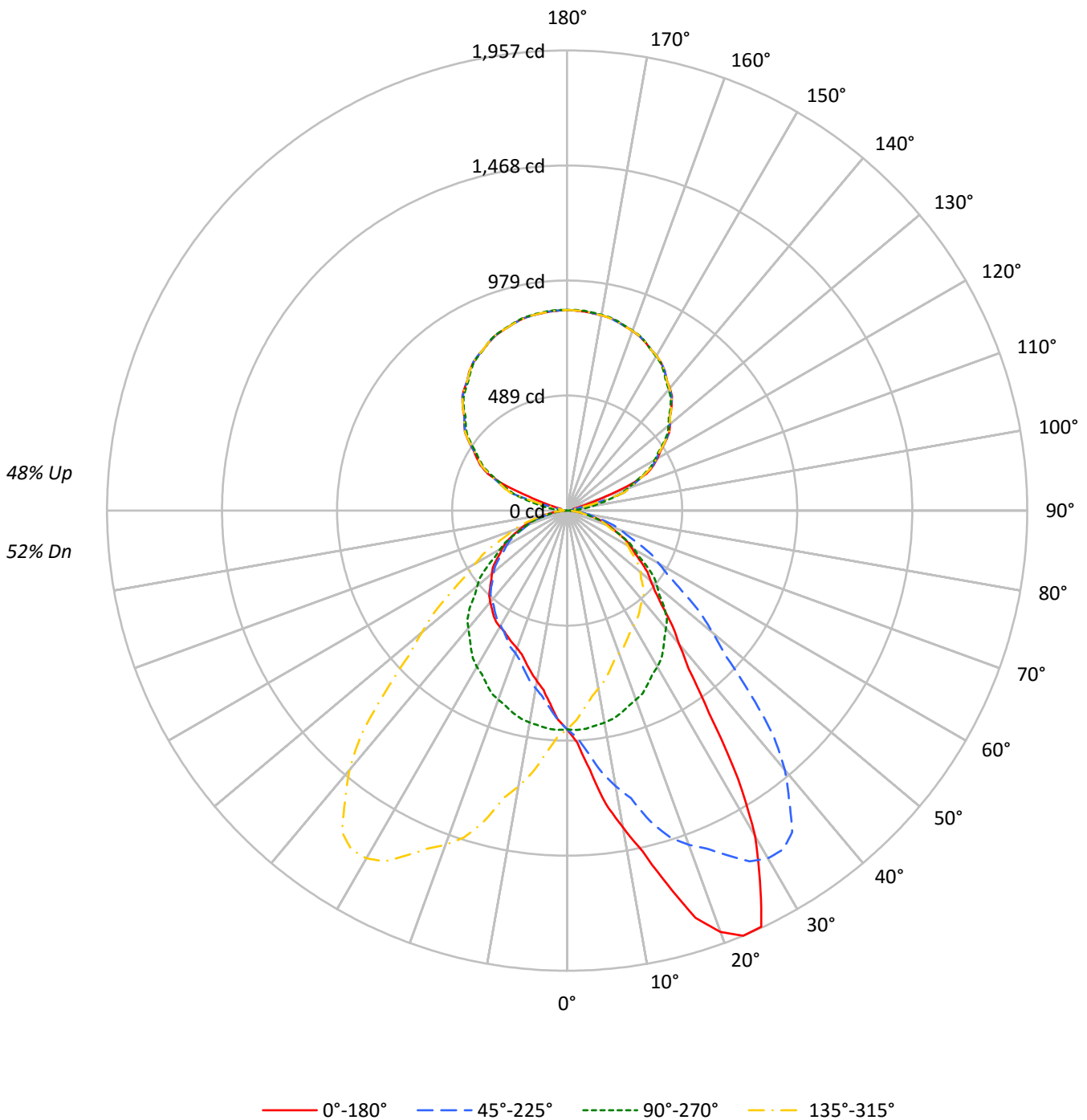
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	84	84	84	71	71	71	58	58	58	52
1	99	94	90	87	91	87	84	81	74	72	70	63	61	59	52	51	49	44
2	90	83	77	72	83	77	71	67	66	62	58	55	52	50	46	44	42	38
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	38	36	32
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	37	34	31	28
5	69	58	50	44	64	54	47	41	46	41	37	39	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	33	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	42	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	28	24	44	33	27	22	29	24	20	25	21	18	22	18	16	14

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

	0°	90°	180°	270°
0°	10014	10014	10014	10014
5°	11943	10057	8912	10057
10°	14948	10006	8050	10006
15°	18333	9926	7494	9926
20°	21841	9800	7135	9800
25°	23192	9647	7056	9647
30°	19877	9536	7093	9536
35°	13825	9376	7167	9376
40°	10413	9190	7144	9190
45°	8645	8914	7054	8914
50°	7743	8348	6990	8348
55°	7240	7739	6902	7739
60°	6794	7102	6833	7102
65°	6383	6477	6612	6477
70°	5986	5759	6297	5759
75°	5361	5041	5772	5041
80°	4699	4135	4971	4135
85°	3680	3013	3335	3013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.6	1.7
10°-20°	293.9	5.4
20°-30°	493.2	9.1
30°-40°	558.5	10.3
40°-50°	500.8	9.3
50°-60°	404.1	7.5
60°-70°	281.6	5.2
70°-80°	148.0	2.7
80°-90°	38.6	0.7
90°-100°	31.0	0.6
100°-110°	147.8	2.7
110°-120°	355.0	6.6
120°-130°	452.0	8.4
130°-140°	482.9	8.9
140°-150°	451.6	8.3
150°-160°	364.3	6.7
160°-170°	235.1	4.3
170°-180°	81.0	1.5
0°-30°	878.7	16.2
0°-40°	1437.2	26.6
0°-60°	2342.1	43.3
0°-90°	2810.4	51.9
90°-120°	533.7	9.9
90°-150°	1920.2	35.5
90°-180°	2601.0	48.1
0°-180°	5411.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	930	930	930	930	930	
5°	1105	931	825	931	1105	115
15°	1645	891	672	891	1645	475
25°	1953	812	594	812	1953	856
35°	1052	714	545	714	1052	684
45°	568	586	463	586	568	449
55°	386	412	368	412	386	346
65°	251	254	260	254	251	250
75°	129	121	139	121	129	138
85°	30	24	27	24	30	36
90°	19	1	19	1	19	10
95°	24	39	24	39	24	20
105°	28	189	28	189	28	64
115°	373	354	373	354	373	344
125°	509	499	509	499	509	455
135°	628	622	628	622	628	484
145°	724	717	724	717	724	452
155°	789	790	789	790	789	364
165°	831	833	831	833	831	235
175°	850	853	850	853	850	81
180°	853	853	853	853	853	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	987.3	986.6	984.8	986.3	983.3	979.4	979.0	975.4	964.9	964.2	961.4
5°	1105.3	1101.6	1101.2	1100.7	1094.4	1085.9	1069.6	1068.2	1046.6	1035.8	1022.8
7.5°	1257.9	1259.8	1253.3	1247.5	1228.2	1215.5	1198.1	1175.8	1149.3	1122.3	1104.3
10°	1367.6	1382.4	1364.0	1351.3	1339.6	1317.5	1291.8	1259.8	1227.9	1190.4	1162.0
12.5°	1485.1	1492.5	1488.8	1476.9	1458.6	1425.0	1379.5	1344.2	1314.7	1252.4	1227.3
15°	1645.2	1672.8	1655.2	1614.5	1615.5	1583.5	1524.0	1458.6	1423.9	1369.3	1295.0
17.5°	1815.8	1819.2	1811.7	1778.0	1755.4	1711.4	1656.5	1593.9	1523.5	1457.5	1378.6
20°	1906.7	1903.9	1888.2	1870.6	1831.9	1797.6	1737.7	1667.8	1577.6	1512.7	1426.6
22.5°	1957.1	1952.7	1945.2	1930.4	1898.2	1861.4	1807.6	1731.2	1645.5	1556.0	1456.6
25°	1952.7	1958.5	1959.4	1955.3	1944.1	1922.0	1879.6	1818.8	1733.1	1618.2	1514.5
27.5°	1776.0	1784.3	1808.4	1829.7	1853.6	1877.9	1874.7	1844.4	1781.1	1681.9	1555.1
30°	1599.2	1581.2	1625.8	1682.2	1720.5	1788.1	1826.0	1828.2	1792.6	1707.4	1583.9
32.5°	1354.0	1373.9	1393.6	1462.9	1546.7	1622.6	1698.0	1758.7	1765.6	1708.9	1600.9
35°	1052.1	1076.9	1112.9	1148.9	1239.2	1316.6	1449.1	1564.5	1656.5	1668.7	1602.4
37.5°	847.7	860.1	882.9	918.9	977.9	1069.9	1172.4	1318.3	1451.5	1550.6	1554.9
40°	741.1	744.7	770.3	797.8	845.6	921.4	1013.7	1142.6	1302.2	1440.6	1498.3
42.5°	661.0	668.9	679.8	706.2	744.2	801.2	887.2	993.7	1140.0	1299.2	1412.1
45°	567.9	577.0	583.8	601.3	628.4	666.7	726.6	824.0	935.3	1099.8	1251.7
47.5°	506.4	507.2	512.2	525.5	543.9	572.7	615.0	677.6	779.8	913.2	1069.2
50°	462.4	469.7	471.5	481.8	496.3	517.5	552.6	605.8	689.7	806.8	950.2
52.5°	431.4	433.6	438.7	446.2	458.7	475.3	505.8	547.4	613.2	713.1	844.9
55°	385.8	385.8	390.8	396.7	403.9	418.7	439.0	469.7	519.7	597.3	706.4
57.5°	343.6	345.9	349.4	351.2	357.3	367.2	384.1	407.4	444.7	504.4	591.1
60°	315.6	319.6	319.2	322.7	328.1	335.8	350.3	369.2	402.5	450.3	523.3
62.5°	291.0	290.8	290.7	295.0	300.4	307.7	317.0	333.5	361.8	404.2	466.3
65°	250.6	249.7	252.9	255.5	257.4	262.8	270.0	284.4	303.3	334.9	383.1
67.5°	214.7	212.2	213.9	214.7	217.8	222.1	228.8	237.7	252.8	278.1	314.4
70°	190.2	188.0	187.5	188.4	191.1	194.2	199.2	207.8	221.8	242.0	268.6
72.5°	165.0	163.4	163.3	165.3	166.6	168.7	172.2	180.0	191.1	206.4	231.2
75°	128.9	128.9	128.9	129.3	130.7	132.5	135.3	139.3	147.8	158.7	175.3
77.5°	96.6	96.5	96.0	95.9	97.9	98.8	99.4	103.1	107.9	115.2	127.3
80°	75.8	73.4	74.4	75.8	76.6	77.1	78.4	79.3	83.4	87.5	96.0
82.5°	56.2	54.3	54.5	56.7	56.8	57.3	58.6	59.8	61.4	65.1	69.7
85°	29.8	29.8	30.2	30.2	30.7	30.2	31.5	32.0	32.0	34.3	36.9
87.5°	14.6	13.9	14.1	14.5	14.0	14.3	14.6	14.8	15.1	15.3	15.3
90°	19.0	18.7	18.4	18.2	17.9	17.5	16.9	16.4	15.8	15.2	13.3
92.5°	21.0	20.8	20.7	20.5	20.3	19.8	18.9	18.0	17.1	16.2	14.8
95°	24.1	24.1	24.1	24.1	24.1	23.6	22.6	21.6	20.7	19.6	18.1
97.5°	26.1	26.0	25.8	25.7	25.6	24.9	23.8	22.6	21.5	20.4	30.6
100°	26.6	26.4	26.3	26.2	26.1	25.4	24.3	23.2	22.0	20.9	42.9
102.5°	27.1	26.9	26.6	26.3	26.1	27.7	31.3	34.7	38.2	41.7	65.7
105°	27.9	27.6	27.3	27.0	26.8	39.1	64.0	88.9	113.8	138.8	151.4
107.5°	87.6	106.3	125.1	143.9	162.7	181.2	199.5	217.7	236.0	254.3	252.4
110°	174.3	194.3	214.5	234.6	254.8	267.2	271.8	276.5	281.1	285.8	284.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	298.9	303.2	307.5	311.7	315.9	318.1	318.0	317.9	317.8	317.7	316.2
115°	372.6	372.0	371.4	370.8	370.3	369.3	367.9	366.5	365.1	363.7	362.4
117.5°	413.9	413.7	413.6	413.5	413.4	412.8	411.6	410.5	409.4	408.3	407.6
120°	442.2	442.2	442.2	442.2	442.2	441.7	440.6	439.5	438.3	437.1	436.8
122.5°	470.1	470.0	469.8	469.8	469.7	469.2	468.4	467.6	466.8	466.1	465.5
125°	509.4	509.1	508.9	508.6	508.2	508.0	507.7	507.4	507.1	506.9	506.3
127.5°	547.2	547.4	547.7	548.0	548.3	548.2	547.8	547.3	546.8	546.4	545.7
130°	571.4	571.8	572.0	572.3	572.7	572.5	571.9	571.4	570.8	570.2	569.6
132.5°	593.7	594.2	594.6	595.0	595.4	595.3	594.7	594.2	593.6	593.1	592.5
135°	627.8	628.3	628.7	629.1	629.6	629.6	629.1	628.7	628.3	627.8	627.3
137.5°	660.0	660.2	660.5	660.8	661.1	660.9	660.2	659.5	658.8	658.1	657.9
140°	679.2	679.5	679.8	680.0	680.4	680.2	679.6	679.1	678.5	678.0	677.5
142.5°	696.9	697.3	697.8	698.1	698.5	698.4	698.0	697.6	697.2	696.7	696.3
145°	724.2	724.2	724.2	724.2	724.2	724.0	723.8	723.5	723.2	722.9	722.6
147.5°	744.4	745.1	745.7	746.4	747.0	747.3	746.9	746.7	746.4	746.1	745.8
150°	759.7	760.1	760.5	761.0	761.4	761.4	761.1	760.9	760.6	760.3	760.0
152.5°	771.8	772.5	773.1	773.8	774.4	774.5	774.0	773.4	772.9	772.5	772.3
155°	788.8	789.6	790.5	791.3	792.2	792.3	791.5	790.8	790.1	789.5	789.3
157.5°	803.1	804.3	805.3	806.4	807.5	807.6	806.8	806.0	805.1	804.3	804.4
160°	812.3	813.2	814.2	815.2	816.2	816.2	815.5	814.6	813.7	812.9	813.0
162.5°	820.9	821.7	822.6	823.5	824.3	824.3	823.4	822.4	821.5	820.4	820.6
165°	831.2	832.2	833.2	834.2	835.2	835.1	834.0	832.8	831.7	830.6	830.8
167.5°	838.7	839.8	840.9	842.1	843.3	843.3	842.1	840.9	839.8	838.7	838.7
170°	843.3	844.4	845.5	846.7	847.8	847.8	846.7	845.5	844.4	843.3	843.3
172.5°	845.8	847.1	848.3	849.5	850.8	850.8	849.7	848.6	847.5	846.4	846.2
175°	849.6	850.8	851.9	853.0	854.1	854.2	853.3	852.2	851.3	850.2	850.2
177.5°	850.8	851.9	853.0	854.1	855.2	855.4	854.5	853.6	852.6	851.8	851.7
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	959.2	956.3	953.4	948.4	944.1	937.9	936.1	933.9	927.5	921.7	917.4
5°	1017.8	1006.9	991.2	976.8	965.1	949.3	940.3	930.8	917.3	905.1	895.2
7.5°	1079.1	1057.8	1033.3	1006.8	982.1	958.3	939.1	922.0	903.0	885.1	871.2
10°	1127.7	1097.1	1062.9	1025.9	994.4	963.7	938.0	915.5	891.1	870.0	852.4
12.5°	1183.3	1137.9	1090.6	1045.8	1008.4	965.9	934.8	906.1	878.5	853.0	833.3
15°	1249.1	1191.4	1135.4	1073.7	1016.9	963.7	926.8	890.7	858.7	832.5	807.3
17.5°	1308.9	1243.5	1169.8	1094.8	1026.2	963.2	911.5	870.6	830.6	798.7	773.5
20°	1342.8	1268.4	1185.0	1107.1	1031.3	961.0	904.2	855.5	812.3	778.4	750.0
22.5°	1372.0	1285.0	1198.7	1115.3	1031.0	955.2	890.9	840.8	793.8	760.8	730.6
25°	1402.3	1298.1	1211.6	1113.8	1019.6	941.2	869.0	812.3	765.3	726.6	695.5
27.5°	1428.2	1297.3	1194.6	1089.3	1001.8	923.2	846.1	785.2	735.5	693.4	661.8
30°	1445.5	1299.1	1176.9	1072.8	984.5	903.3	828.5	767.2	714.9	672.1	642.3
32.5°	1456.4	1298.0	1160.7	1049.7	957.0	885.3	809.3	745.9	692.2	650.1	621.4
35°	1462.7	1290.0	1132.7	1002.0	912.7	842.9	779.4	713.5	657.2	617.9	585.6
37.5°	1450.1	1273.3	1100.3	956.1	858.3	789.5	736.1	680.0	626.1	582.9	555.0
40°	1430.2	1262.6	1075.0	923.6	820.8	754.6	709.0	654.0	600.8	559.8	533.6
42.5°	1392.3	1240.5	1047.2	887.5	781.9	715.6	673.7	627.8	577.4	538.9	512.8
45°	1299.9	1192.7	1005.6	833.4	724.4	655.8	618.9	585.6	540.0	502.6	480.0
47.5°	1171.7	1120.7	945.4	776.4	664.3	598.4	560.0	533.1	499.9	469.7	448.1
50°	1082.7	1061.5	904.7	737.4	624.3	559.8	522.9	498.5	474.7	444.4	424.6
52.5°	979.9	993.0	857.0	697.1	583.5	520.1	485.3	466.1	444.4	419.6	402.3
55°	835.3	882.5	774.8	629.2	522.9	462.4	429.6	412.4	399.8	381.3	366.4
57.5°	699.7	760.0	686.0	559.4	463.3	411.2	379.6	360.9	352.8	343.2	331.5
60°	619.3	678.8	622.5	512.5	423.3	373.7	345.7	329.9	321.8	315.0	305.1
62.5°	547.6	607.8	560.4	464.9	383.9	337.9	313.7	298.3	291.9	288.3	279.9
65°	448.9	500.8	469.2	390.8	327.7	287.1	265.0	254.3	248.4	247.0	241.6
67.5°	365.4	404.8	381.9	324.2	274.5	239.4	220.7	211.5	207.0	206.6	202.5
70°	310.6	347.5	329.9	277.7	234.9	207.3	191.1	183.0	180.3	179.9	177.6
72.5°	268.0	293.8	279.8	236.2	203.1	178.1	166.3	157.7	154.7	155.3	153.8
75°	198.3	217.7	209.6	179.4	152.8	136.6	126.7	121.2	118.6	119.9	118.1
77.5°	142.7	155.0	147.7	126.7	110.4	98.6	91.4	88.0	85.6	85.5	84.6
80°	107.7	114.9	110.9	98.2	84.7	74.8	69.0	66.7	65.3	64.9	64.5
82.5°	76.7	82.8	78.1	69.4	60.2	54.2	51.0	48.0	47.0	47.3	46.8
85°	38.7	41.0	39.2	33.8	30.2	27.5	25.7	24.4	23.4	23.8	23.0
87.5°	15.7	15.7	14.2	12.4	11.5	10.1	9.8	8.8	8.4	8.6	8.5
90°	11.5	9.7	7.9	6.3	4.8	3.4	2.1	0.6	2.1	3.4	4.8
92.5°	13.4	12.1	10.7	10.2	10.6	11.0	11.4	11.8	11.4	11.0	10.6
95°	16.5	15.0	13.4	15.6	21.4	27.1	32.9	38.7	32.9	27.1	21.4
97.5°	40.6	50.8	61.0	67.3	69.9	72.5	75.1	77.7	75.1	72.5	69.9
100°	64.8	86.8	108.7	118.3	115.5	112.7	109.9	107.1	109.9	112.7	115.5
102.5°	89.6	113.7	137.7	148.6	146.6	144.6	142.6	140.5	142.6	144.6	146.6
105°	164.1	176.8	189.4	195.0	193.5	191.9	190.4	188.8	190.4	191.9	193.5
107.5°	250.3	248.3	246.3	244.7	243.5	242.2	241.0	239.7	241.0	242.2	243.5
110°	282.7	281.1	279.6	278.2	277.1	276.0	274.8	273.7	274.8	276.0	277.1





TEST NUMBER: P332156-935

CATALOG NUMBER: S123DIW-S775D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.6	313.1	311.5	310.2	309.2	308.2	307.1	306.2	307.1	308.2	309.2
115°	361.1	359.9	358.6	357.6	356.7	355.9	355.0	354.1	355.0	355.9	356.7
117.5°	407.0	406.3	405.7	404.8	403.8	402.8	401.7	400.7	401.7	402.8	403.8
120°	436.4	435.9	435.5	434.6	433.3	432.1	430.8	429.6	430.8	432.1	433.3
122.5°	465.0	464.4	463.9	463.1	462.1	461.1	460.0	459.0	460.0	461.1	462.1
125°	505.8	505.1	504.6	503.8	502.7	501.5	500.4	499.3	500.4	501.5	502.7
127.5°	545.0	544.4	543.7	542.8	541.7	540.5	539.4	538.3	539.4	540.5	541.7
130°	569.1	568.5	568.0	567.1	566.0	564.9	563.8	562.6	563.8	564.9	566.0
132.5°	592.1	591.7	591.2	590.5	589.3	588.1	587.0	585.9	587.0	588.1	589.3
135°	626.7	626.2	625.6	624.9	624.1	623.2	622.4	621.6	622.4	623.2	624.1
137.5°	657.5	657.2	656.9	656.3	655.1	654.1	653.0	651.9	653.0	654.1	655.1
140°	677.1	676.7	676.2	675.6	674.8	673.9	673.0	672.2	673.0	673.9	674.8
142.5°	695.9	695.4	695.0	694.4	693.5	692.7	691.8	691.0	691.8	692.7	693.5
145°	722.4	722.0	721.8	721.2	720.1	719.2	718.2	717.2	718.2	719.2	720.1
147.5°	745.5	745.3	744.9	744.5	743.8	743.2	742.5	741.9	742.5	743.2	743.8
150°	759.7	759.5	759.1	758.8	758.4	757.9	757.5	757.2	757.5	757.9	758.4
152.5°	772.1	772.0	771.8	771.6	771.4	771.2	771.0	770.8	771.0	771.2	771.4
155°	789.2	789.0	788.8	788.9	789.2	789.5	789.8	790.1	789.8	789.5	789.2
157.5°	804.5	804.7	804.9	804.9	804.9	804.9	805.0	805.0	805.0	804.9	804.9
160°	813.1	813.3	813.5	813.6	813.7	813.9	814.0	814.2	814.0	813.9	813.7
162.5°	820.8	820.9	821.0	821.3	821.7	822.0	822.4	822.8	822.4	822.0	821.7
165°	830.9	831.0	831.2	831.5	831.9	832.3	832.8	833.2	832.8	832.3	831.9
167.5°	838.7	838.7	838.7	839.0	839.6	840.2	840.7	841.3	840.7	840.2	839.6
170°	843.3	843.3	843.3	843.6	844.1	844.7	845.2	845.8	845.2	844.7	844.1
172.5°	846.1	846.0	845.8	846.2	846.9	847.5	848.2	848.9	848.2	847.5	846.9
175°	850.0	849.8	849.7	850.0	850.7	851.4	852.0	852.8	852.0	851.4	850.7
177.5°	851.5	851.4	851.4	851.5	852.1	852.6	853.3	853.8	853.3	852.6	852.1
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332156-935

CATALOG NUMBER: S123DIW-S775D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	914.8	912.3	908.7	903.3	899.0	892.1	892.1	893.2	893.2	892.9	892.1
5°	887.1	880.3	872.2	862.7	852.8	842.9	841.1	837.5	834.8	833.0	830.7
7.5°	857.8	845.8	834.0	820.7	808.7	798.7	791.7	785.9	782.2	778.3	775.4
10°	837.9	823.0	809.1	795.1	779.8	767.7	760.0	754.6	750.5	746.9	745.1
12.5°	814.5	797.5	782.0	768.8	752.0	739.5	732.2	729.7	724.9	717.3	713.3
15°	780.2	764.5	746.0	725.7	717.6	702.2	693.7	689.7	686.9	681.1	679.2
17.5°	751.0	730.3	709.6	694.4	679.3	666.9	662.1	657.1	653.5	648.7	647.3
20°	727.5	709.0	690.1	673.9	658.1	644.5	640.5	636.9	633.3	631.0	629.2
22.5°	703.7	685.3	669.5	654.4	637.6	628.7	624.3	620.4	617.8	616.3	614.5
25°	670.3	654.0	636.5	622.9	609.4	603.6	600.8	598.6	596.8	594.5	594.1
27.5°	640.3	622.7	608.4	595.8	586.1	581.2	578.6	577.5	577.9	578.7	579.2
30°	617.9	601.8	590.0	579.2	570.2	565.7	565.2	565.2	567.1	567.5	568.4
32.5°	597.4	584.1	572.4	561.9	555.1	552.0	553.7	553.7	555.2	556.3	557.9
35°	567.5	555.8	546.7	537.8	531.9	533.2	534.2	535.0	537.3	540.0	541.8
37.5°	538.9	528.7	519.4	512.3	509.6	512.0	514.2	516.1	518.8	520.8	522.6
40°	518.3	510.7	501.7	495.3	496.3	497.7	499.5	501.7	503.9	505.3	507.1
42.5°	499.2	491.2	484.4	479.1	480.4	482.2	483.2	484.4	487.0	489.4	490.5
45°	470.1	463.8	457.5	454.3	455.3	456.2	457.0	458.4	460.6	462.4	463.0
47.5°	437.4	433.0	428.8	425.7	427.1	426.8	427.9	430.8	431.5	432.7	435.1
50°	416.5	412.4	407.5	406.6	406.6	406.6	407.0	410.6	410.6	412.4	414.2
52.5°	393.4	390.8	387.6	386.0	385.3	385.3	387.2	389.0	389.7	392.3	394.1
55°	359.2	356.5	353.9	352.5	351.5	352.5	356.1	357.0	359.2	360.6	362.0
57.5°	323.6	321.6	319.4	318.7	318.5	319.7	321.7	324.3	324.9	329.1	331.1
60°	300.2	297.0	295.2	295.2	294.4	298.4	297.5	302.0	302.9	305.6	308.8
62.5°	276.0	271.8	271.0	271.0	272.3	273.5	274.7	276.7	279.1	282.5	285.0
65°	237.1	234.9	238.0	237.5	236.6	239.4	239.4	241.6	244.3	247.5	252.4
67.5°	200.2	199.1	199.3	199.3	200.7	202.2	203.5	205.4	208.7	212.1	215.2
70°	175.3	176.7	174.4	176.2	177.6	178.1	178.9	181.7	185.3	187.5	191.1
72.5°	151.2	151.1	151.4	152.1	153.4	154.2	155.2	158.3	162.2	164.1	166.9
75°	116.3	115.8	117.2	117.2	119.4	120.4	121.2	122.6	126.2	128.9	131.1
77.5°	84.9	85.5	85.2	86.7	86.1	86.3	89.0	90.4	90.7	96.1	97.3
80°	64.0	64.9	65.3	65.8	66.3	65.3	68.5	69.8	69.8	73.0	75.3
82.5°	46.0	46.5	47.7	48.1	48.2	49.2	49.4	50.4	51.5	52.9	55.8
85°	23.0	24.4	24.8	24.4	24.8	23.8	25.2	25.7	26.2	26.2	26.2
87.5°	8.4	9.1	9.1	9.9	9.9	10.6	10.8	10.2	10.2	11.5	10.1
90°	6.3	7.9	9.7	11.5	13.3	15.2	15.8	16.4	16.9	17.5	17.9
92.5°	10.2	10.7	12.1	13.4	14.8	16.2	17.1	18.0	18.9	19.8	20.3
95°	15.6	13.4	15.0	16.5	18.1	19.6	20.7	21.6	22.6	23.6	24.1
97.5°	67.3	61.0	50.8	40.6	30.6	20.4	21.5	22.6	23.8	24.9	25.6
100°	118.3	108.7	86.8	64.8	42.9	20.9	22.0	23.2	24.3	25.4	26.1
102.5°	148.6	137.7	113.7	89.6	65.7	41.7	38.2	34.7	31.3	27.7	26.1
105°	195.0	189.4	176.8	164.1	151.4	138.8	113.8	88.9	64.0	39.1	26.8
107.5°	244.7	246.3	248.3	250.3	252.4	254.3	236.0	217.7	199.5	181.2	162.7
110°	278.2	279.6	281.1	282.7	284.2	285.8	281.1	276.5	271.8	267.2	254.8



TEST NUMBER: P332156-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	310.2	311.5	313.1	314.6	316.2	317.7	317.8	317.9	318.0	318.1	315.9
115°	357.6	358.6	359.9	361.1	362.4	363.7	365.1	366.5	367.9	369.3	370.3
117.5°	404.8	405.7	406.3	407.0	407.6	408.3	409.4	410.5	411.6	412.8	413.4
120°	434.6	435.5	435.9	436.4	436.8	437.1	438.3	439.5	440.6	441.7	442.2
122.5°	463.1	463.9	464.4	465.0	465.5	466.1	466.8	467.6	468.4	469.2	469.7
125°	503.8	504.6	505.1	505.8	506.3	506.9	507.1	507.4	507.7	508.0	508.2
127.5°	542.8	543.7	544.4	545.0	545.7	546.4	546.8	547.3	547.8	548.2	548.3
130°	567.1	568.0	568.5	569.1	569.6	570.2	570.8	571.4	571.9	572.5	572.7
132.5°	590.5	591.2	591.7	592.1	592.5	593.1	593.6	594.2	594.7	595.3	595.4
135°	624.9	625.6	626.2	626.7	627.3	627.8	628.3	628.7	629.1	629.6	629.6
137.5°	656.3	656.9	657.2	657.5	657.9	658.1	658.8	659.5	660.2	660.9	661.1
140°	675.6	676.2	676.7	677.1	677.5	678.0	678.5	679.1	679.6	680.2	680.4
142.5°	694.4	695.0	695.4	695.9	696.3	696.7	697.2	697.6	698.0	698.4	698.5
145°	721.2	721.8	722.0	722.4	722.6	722.9	723.2	723.5	723.8	724.0	724.2
147.5°	744.5	744.9	745.3	745.5	745.8	746.1	746.4	746.7	746.9	747.3	747.0
150°	758.8	759.1	759.5	759.7	760.0	760.3	760.6	760.9	761.1	761.4	761.4
152.5°	771.6	771.8	772.0	772.1	772.3	772.5	772.9	773.4	774.0	774.5	774.4
155°	788.9	788.8	789.0	789.2	789.3	789.5	790.1	790.8	791.5	792.3	792.2
157.5°	804.9	804.9	804.7	804.5	804.4	804.3	805.1	806.0	806.8	807.6	807.5
160°	813.6	813.5	813.3	813.1	813.0	812.9	813.7	814.6	815.5	816.2	816.2
162.5°	821.3	821.0	820.9	820.8	820.6	820.4	821.5	822.4	823.4	824.3	824.3
165°	831.5	831.2	831.0	830.9	830.8	830.6	831.7	832.8	834.0	835.1	835.2
167.5°	839.0	838.7	838.7	838.7	838.7	838.7	839.8	840.9	842.1	843.3	843.3
170°	843.6	843.3	843.3	843.3	843.3	843.3	844.4	845.5	846.7	847.8	847.8
172.5°	846.2	845.8	846.0	846.1	846.2	846.4	847.5	848.6	849.7	850.8	850.8
175°	850.0	849.7	849.8	850.0	850.2	850.2	851.3	852.2	853.3	854.2	854.1
177.5°	851.5	851.4	851.4	851.5	851.7	851.8	852.6	853.6	854.5	855.4	855.2
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332156-935

CATALOG NUMBER: S123DIW-S775D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	889.6	889.2	891.7	889.9	891.7	889.2	889.6	892.1	892.9	893.2	893.2
5°	828.0	829.4	824.8	824.8	824.8	829.4	828.0	830.7	833.0	834.8	837.5
7.5°	773.2	771.2	771.4	769.0	771.4	771.2	773.2	775.4	778.3	782.2	785.9
10°	739.7	737.0	736.1	736.5	736.1	737.0	739.7	745.1	746.9	750.5	754.6
12.5°	711.9	711.4	705.4	705.5	705.4	711.4	711.9	713.3	717.3	724.9	729.7
15°	679.2	670.7	669.8	672.5	669.8	670.7	679.2	679.2	681.1	686.9	689.7
17.5°	646.5	642.0	642.3	640.9	642.3	642.0	646.5	647.3	648.7	653.5	657.1
20°	629.2	626.5	626.1	622.9	626.1	626.5	629.2	629.2	631.0	633.3	636.9
22.5°	613.4	612.5	612.8	609.2	612.8	612.5	613.4	614.5	616.3	617.8	620.4
25°	593.7	595.9	594.1	594.1	594.1	595.9	593.7	594.1	594.5	596.8	598.6
27.5°	580.3	580.2	579.3	579.3	579.3	580.2	580.3	579.2	578.7	577.9	577.5
30°	570.2	569.7	570.7	570.7	570.7	569.7	570.2	568.4	567.5	567.1	565.2
32.5°	560.1	560.8	560.9	561.3	560.9	560.8	560.1	557.9	556.3	555.2	553.7
35°	544.5	544.9	546.3	545.4	546.3	544.9	544.5	541.8	540.0	537.3	535.0
37.5°	523.4	525.5	525.0	525.7	525.0	525.5	523.4	522.6	520.8	518.8	516.1
40°	507.6	508.9	508.4	508.4	508.4	508.9	507.6	507.1	505.3	503.9	501.7
42.5°	491.3	492.3	491.1	490.4	491.1	492.3	491.3	490.5	489.4	487.0	484.4
45°	464.7	463.8	465.2	463.4	465.2	463.8	464.7	463.0	462.4	460.6	458.4
47.5°	435.0	435.8	436.3	437.6	436.3	435.8	435.0	435.1	432.7	431.5	430.8
50°	415.2	417.8	417.8	417.4	417.8	417.8	415.2	414.2	412.4	410.6	410.6
52.5°	395.6	396.9	398.7	398.6	398.7	396.9	395.6	394.1	392.3	389.7	389.0
55°	365.6	366.4	367.4	367.8	367.4	366.4	365.6	362.0	360.6	359.2	357.0
57.5°	334.3	334.0	336.1	336.8	336.1	334.0	334.3	331.1	329.1	324.9	324.3
60°	312.4	312.4	316.0	317.4	316.0	312.4	312.4	308.8	305.6	302.9	302.0
62.5°	289.0	290.4	293.9	292.1	293.9	290.4	289.0	285.0	282.5	279.1	276.7
65°	254.7	258.3	257.9	259.6	257.9	258.3	254.7	252.4	247.5	244.3	241.6
67.5°	218.9	221.1	224.4	224.6	224.4	221.1	218.9	215.2	212.1	208.7	205.4
70°	194.8	197.0	198.8	200.1	198.8	197.0	194.8	191.1	187.5	185.3	181.7
72.5°	171.3	172.5	176.8	174.9	176.8	172.5	171.3	166.9	164.1	162.2	158.3
75°	134.3	137.5	140.2	138.8	140.2	137.5	134.3	131.1	128.9	126.2	122.6
77.5°	99.4	102.5	103.8	102.6	103.8	102.5	99.4	97.3	96.1	90.7	90.4
80°	78.4	78.0	80.7	80.2	80.7	78.0	78.4	75.3	73.0	69.8	69.8
82.5°	57.5	57.1	58.3	58.6	58.3	57.1	57.5	55.8	52.9	51.5	50.4
85°	28.0	29.3	27.5	27.0	27.5	29.3	28.0	26.2	26.2	26.2	25.7
87.5°	10.2	10.2	9.9	9.6	9.9	10.2	10.2	10.1	11.5	10.2	10.2
90°	18.2	18.4	18.7	19.0	18.7	18.4	18.2	17.9	17.5	16.9	16.4
92.5°	20.5	20.7	20.8	21.0	20.8	20.7	20.5	20.3	19.8	18.9	18.0
95°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	23.6	22.6	21.6
97.5°	25.7	25.8	26.0	26.1	26.0	25.8	25.7	25.6	24.9	23.8	22.6
100°	26.2	26.3	26.4	26.6	26.4	26.3	26.2	26.1	25.4	24.3	23.2
102.5°	26.3	26.6	26.9	27.1	26.9	26.6	26.3	26.1	27.7	31.3	34.7
105°	27.0	27.3	27.6	27.9	27.6	27.3	27.0	26.8	39.1	64.0	88.9
107.5°	143.9	125.1	106.3	87.6	106.3	125.1	143.9	162.7	181.2	199.5	217.7
110°	234.6	214.5	194.3	174.3	194.3	214.5	234.6	254.8	267.2	271.8	276.5



TEST NUMBER: P332156-935

CATALOG NUMBER: S123DIW-S775D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	311.7	307.5	303.2	298.9	303.2	307.5	311.7	315.9	318.1	318.0	317.9
115°	370.8	371.4	372.0	372.6	372.0	371.4	370.8	370.3	369.3	367.9	366.5
117.5°	413.5	413.6	413.7	413.9	413.7	413.6	413.5	413.4	412.8	411.6	410.5
120°	442.2	442.2	442.2	442.2	442.2	442.2	442.2	442.2	441.7	440.6	439.5
122.5°	469.8	469.8	470.0	470.1	470.0	469.8	469.8	469.7	469.2	468.4	467.6
125°	508.6	508.9	509.1	509.4	509.1	508.9	508.6	508.2	508.0	507.7	507.4
127.5°	548.0	547.7	547.4	547.2	547.4	547.7	548.0	548.3	548.2	547.8	547.3
130°	572.3	572.0	571.8	571.4	571.8	572.0	572.3	572.7	572.5	571.9	571.4
132.5°	595.0	594.6	594.2	593.7	594.2	594.6	595.0	595.4	595.3	594.7	594.2
135°	629.1	628.7	628.3	627.8	628.3	628.7	629.1	629.6	629.6	629.1	628.7
137.5°	660.8	660.5	660.2	660.0	660.2	660.5	660.8	661.1	660.9	660.2	659.5
140°	680.0	679.8	679.5	679.2	679.5	679.8	680.0	680.4	680.2	679.6	679.1
142.5°	698.1	697.8	697.3	696.9	697.3	697.8	698.1	698.5	698.4	698.0	697.6
145°	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.0	723.8	723.5
147.5°	746.4	745.7	745.1	744.4	745.1	745.7	746.4	747.0	747.3	746.9	746.7
150°	761.0	760.5	760.1	759.7	760.1	760.5	761.0	761.4	761.4	761.1	760.9
152.5°	773.8	773.1	772.5	771.8	772.5	773.1	773.8	774.4	774.5	774.0	773.4
155°	791.3	790.5	789.6	788.8	789.6	790.5	791.3	792.2	792.3	791.5	790.8
157.5°	806.4	805.3	804.3	803.1	804.3	805.3	806.4	807.5	807.6	806.8	806.0
160°	815.2	814.2	813.2	812.3	813.2	814.2	815.2	816.2	816.2	815.5	814.6
162.5°	823.5	822.6	821.7	820.9	821.7	822.6	823.5	824.3	824.3	823.4	822.4
165°	834.2	833.2	832.2	831.2	832.2	833.2	834.2	835.2	835.1	834.0	832.8
167.5°	842.1	840.9	839.8	838.7	839.8	840.9	842.1	843.3	843.3	842.1	840.9
170°	846.7	845.5	844.4	843.3	844.4	845.5	846.7	847.8	847.8	846.7	845.5
172.5°	849.5	848.3	847.1	845.8	847.1	848.3	849.5	850.8	850.8	849.7	848.6
175°	853.0	851.9	850.8	849.6	850.8	851.9	853.0	854.1	854.2	853.3	852.2
177.5°	854.1	853.0	851.9	850.8	851.9	853.0	854.1	855.2	855.4	854.5	853.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332156-935

CATALOG NUMBER: S123DIW-S775D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	892.1	892.1	899.0	903.3	908.7	912.3	914.8	917.4	921.7	927.5	933.9
5°	841.1	842.9	852.8	862.7	872.2	880.3	887.1	895.2	905.1	917.3	930.8
7.5°	791.7	798.7	808.7	820.7	834.0	845.8	857.8	871.2	885.1	903.0	922.0
10°	760.0	767.7	779.8	795.1	809.1	823.0	837.9	852.4	870.0	891.1	915.5
12.5°	732.2	739.5	752.0	768.8	782.0	797.5	814.5	833.3	853.0	878.5	906.1
15°	693.7	702.2	717.6	725.7	746.0	764.5	780.2	807.3	832.5	858.7	890.7
17.5°	662.1	666.9	679.3	694.4	709.6	730.3	751.0	773.5	798.7	830.6	870.6
20°	640.5	644.5	658.1	673.9	690.1	709.0	727.5	750.0	778.4	812.3	855.5
22.5°	624.3	628.7	637.6	654.4	669.5	685.3	703.7	730.6	760.8	793.8	840.8
25°	600.8	603.6	609.4	622.9	636.5	654.0	670.3	695.5	726.6	765.3	812.3
27.5°	578.6	581.2	586.1	595.8	608.4	622.7	640.3	661.8	693.4	735.5	785.2
30°	565.2	565.7	570.2	579.2	590.0	601.8	617.9	642.3	672.1	714.9	767.2
32.5°	553.7	552.0	555.1	561.9	572.4	584.1	597.4	621.4	650.1	692.2	745.9
35°	534.2	533.2	531.9	537.8	546.7	555.8	567.5	585.6	617.9	657.2	713.5
37.5°	514.2	512.0	509.6	512.3	519.4	528.7	538.9	555.0	582.9	626.1	680.0
40°	499.5	497.7	496.3	495.3	501.7	510.7	518.3	533.6	559.8	600.8	654.0
42.5°	483.2	482.2	480.4	479.1	484.4	491.2	499.2	512.8	538.9	577.4	627.8
45°	457.0	456.2	455.3	454.3	457.5	463.8	470.1	480.0	502.6	540.0	585.6
47.5°	427.9	426.8	427.1	425.7	428.8	433.0	437.4	448.1	469.7	499.9	533.1
50°	407.0	406.6	406.6	406.6	407.5	412.4	416.5	424.6	444.4	474.7	498.5
52.5°	387.2	385.3	385.3	386.0	387.6	390.8	393.4	402.3	419.6	444.4	466.1
55°	356.1	352.5	351.5	352.5	353.9	356.5	359.2	366.4	381.3	399.8	412.4
57.5°	321.7	319.7	318.5	318.7	319.4	321.6	323.6	331.5	343.2	352.8	360.9
60°	297.5	298.4	294.4	295.2	295.2	297.0	300.2	305.1	315.0	321.8	329.9
62.5°	274.7	273.5	272.3	271.0	271.0	271.8	276.0	279.9	288.3	291.9	298.3
65°	239.4	239.4	236.6	237.5	238.0	234.9	237.1	241.6	247.0	248.4	254.3
67.5°	203.5	202.2	200.7	199.3	199.3	199.1	200.2	202.5	206.6	207.0	211.5
70°	178.9	178.1	177.6	176.2	174.4	176.7	175.3	177.6	179.9	180.3	183.0
72.5°	155.2	154.2	153.4	152.1	151.4	151.1	151.2	153.8	155.3	154.7	157.7
75°	121.2	120.4	119.4	117.2	117.2	115.8	116.3	118.1	119.9	118.6	121.2
77.5°	89.0	86.3	86.1	86.7	85.2	85.5	84.9	84.6	85.5	85.6	88.0
80°	68.5	65.3	66.3	65.8	65.3	64.9	64.0	64.5	64.9	65.3	66.7
82.5°	49.4	49.2	48.2	48.1	47.7	46.5	46.0	46.8	47.3	47.0	48.0
85°	25.2	23.8	24.8	24.4	24.8	24.4	23.0	23.0	23.8	23.4	24.4
87.5°	10.8	10.6	9.9	9.9	9.1	9.1	8.4	8.5	8.6	8.4	8.8
90°	15.8	15.2	13.3	11.5	9.7	7.9	6.3	4.8	3.4	2.1	0.6
92.5°	17.1	16.2	14.8	13.4	12.1	10.7	10.2	10.6	11.0	11.4	11.8
95°	20.7	19.6	18.1	16.5	15.0	13.4	15.6	21.4	27.1	32.9	38.7
97.5°	21.5	20.4	30.6	40.6	50.8	61.0	67.3	69.9	72.5	75.1	77.7
100°	22.0	20.9	42.9	64.8	86.8	108.7	118.3	115.5	112.7	109.9	107.1
102.5°	38.2	41.7	65.7	89.6	113.7	137.7	148.6	146.6	144.6	142.6	140.5
105°	113.8	138.8	151.4	164.1	176.8	189.4	195.0	193.5	191.9	190.4	188.8
107.5°	236.0	254.3	252.4	250.3	248.3	246.3	244.7	243.5	242.2	241.0	239.7
110°	281.1	285.8	284.2	282.7	281.1	279.6	278.2	277.1	276.0	274.8	273.7



TEST NUMBER: P332156-935

CATALOG NUMBER: S123DIW-S775D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	317.8	317.7	316.2	314.6	313.1	311.5	310.2	309.2	308.2	307.1	306.2
115°	365.1	363.7	362.4	361.1	359.9	358.6	357.6	356.7	355.9	355.0	354.1
117.5°	409.4	408.3	407.6	407.0	406.3	405.7	404.8	403.8	402.8	401.7	400.7
120°	438.3	437.1	436.8	436.4	435.9	435.5	434.6	433.3	432.1	430.8	429.6
122.5°	466.8	466.1	465.5	465.0	464.4	463.9	463.1	462.1	461.1	460.0	459.0
125°	507.1	506.9	506.3	505.8	505.1	504.6	503.8	502.7	501.5	500.4	499.3
127.5°	546.8	546.4	545.7	545.0	544.4	543.7	542.8	541.7	540.5	539.4	538.3
130°	570.8	570.2	569.6	569.1	568.5	568.0	567.1	566.0	564.9	563.8	562.6
132.5°	593.6	593.1	592.5	592.1	591.7	591.2	590.5	589.3	588.1	587.0	585.9
135°	628.3	627.8	627.3	626.7	626.2	625.6	624.9	624.1	623.2	622.4	621.6
137.5°	658.8	658.1	657.9	657.5	657.2	656.9	656.3	655.1	654.1	653.0	651.9
140°	678.5	678.0	677.5	677.1	676.7	676.2	675.6	674.8	673.9	673.0	672.2
142.5°	697.2	696.7	696.3	695.9	695.4	695.0	694.4	693.5	692.7	691.8	691.0
145°	723.2	722.9	722.6	722.4	722.0	721.8	721.2	720.1	719.2	718.2	717.2
147.5°	746.4	746.1	745.8	745.5	745.3	744.9	744.5	743.8	743.2	742.5	741.9
150°	760.6	760.3	760.0	759.7	759.5	759.1	758.8	758.4	757.9	757.5	757.2
152.5°	772.9	772.5	772.3	772.1	772.0	771.8	771.6	771.4	771.2	771.0	770.8
155°	790.1	789.5	789.3	789.2	789.0	788.8	788.9	789.2	789.5	789.8	790.1
157.5°	805.1	804.3	804.4	804.5	804.7	804.9	804.9	804.9	804.9	805.0	805.0
160°	813.7	812.9	813.0	813.1	813.3	813.5	813.6	813.7	813.9	814.0	814.2
162.5°	821.5	820.4	820.6	820.8	820.9	821.0	821.3	821.7	822.0	822.4	822.8
165°	831.7	830.6	830.8	830.9	831.0	831.2	831.5	831.9	832.3	832.8	833.2
167.5°	839.8	838.7	838.7	838.7	838.7	838.7	839.0	839.6	840.2	840.7	841.3
170°	844.4	843.3	843.3	843.3	843.3	843.3	843.6	844.1	844.7	845.2	845.8
172.5°	847.5	846.4	846.2	846.1	846.0	845.8	846.2	846.9	847.5	848.2	848.9
175°	851.3	850.2	850.2	850.0	849.8	849.7	850.0	850.7	851.4	852.0	852.8
177.5°	852.6	851.8	851.7	851.5	851.4	851.4	851.5	852.1	852.6	853.3	853.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332156-935

CATALOG NUMBER: S123DIW-S775D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	936.1	937.9	944.1	948.4	953.4	956.3	959.2	961.4	964.2	964.9	975.4
5°	940.3	949.3	965.1	976.8	991.2	1006.9	1017.8	1022.8	1035.8	1046.6	1068.2
7.5°	939.1	958.3	982.1	1006.8	1033.3	1057.8	1079.1	1104.3	1122.3	1149.3	1175.8
10°	938.0	963.7	994.4	1025.9	1062.9	1097.1	1127.7	1162.0	1190.4	1227.9	1259.8
12.5°	934.8	965.9	1008.4	1045.8	1090.6	1137.9	1183.3	1227.3	1252.4	1314.7	1344.2
15°	926.8	963.7	1016.9	1073.7	1135.4	1191.4	1249.1	1295.0	1369.3	1423.9	1458.6
17.5°	911.5	963.2	1026.2	1094.8	1169.8	1243.5	1308.9	1378.6	1457.5	1523.5	1593.9
20°	904.2	961.0	1031.3	1107.1	1185.0	1268.4	1342.8	1426.6	1512.7	1577.6	1667.8
22.5°	890.9	955.2	1031.0	1115.3	1198.7	1285.0	1372.0	1456.6	1556.0	1645.5	1731.2
25°	869.0	941.2	1019.6	1113.8	1211.6	1298.1	1402.3	1514.5	1618.2	1733.1	1818.8
27.5°	846.1	923.2	1001.8	1089.3	1194.6	1297.3	1428.2	1555.1	1681.9	1781.1	1844.4
30°	828.5	903.3	984.5	1072.8	1176.9	1299.1	1445.5	1583.9	1707.4	1792.6	1828.2
32.5°	809.3	885.3	957.0	1049.7	1160.7	1298.0	1456.4	1600.9	1708.9	1765.6	1758.7
35°	779.4	842.9	912.7	1002.0	1132.7	1290.0	1462.7	1602.4	1668.7	1656.5	1564.5
37.5°	736.1	789.5	858.3	956.1	1100.3	1273.3	1450.1	1554.9	1550.6	1451.5	1318.3
40°	709.0	754.6	820.8	923.6	1075.0	1262.6	1430.2	1498.3	1440.6	1302.2	1142.6
42.5°	673.7	715.6	781.9	887.5	1047.2	1240.5	1392.3	1412.1	1299.2	1140.0	993.7
45°	618.9	655.8	724.4	833.4	1005.6	1192.7	1299.9	1251.7	1099.8	935.3	824.0
47.5°	560.0	598.4	664.3	776.4	945.4	1120.7	1171.7	1069.2	913.2	779.8	677.6
50°	522.9	559.8	624.3	737.4	904.7	1061.5	1082.7	950.2	806.8	689.7	605.8
52.5°	485.3	520.1	583.5	697.1	857.0	993.0	979.9	844.9	713.1	613.2	547.4
55°	429.6	462.4	522.9	629.2	774.8	882.5	835.3	706.4	597.3	519.7	469.7
57.5°	379.6	411.2	463.3	559.4	686.0	760.0	699.7	591.1	504.4	444.7	407.4
60°	345.7	373.7	423.3	512.5	622.5	678.8	619.3	523.3	450.3	402.5	369.2
62.5°	313.7	337.9	383.9	464.9	560.4	607.8	547.6	466.3	404.2	361.8	333.5
65°	265.0	287.1	327.7	390.8	469.2	500.8	448.9	383.1	334.9	303.3	284.4
67.5°	220.7	239.4	274.5	324.2	381.9	404.8	365.4	314.4	278.1	252.8	237.7
70°	191.1	207.3	234.9	277.7	329.9	347.5	310.6	268.6	242.0	221.8	207.8
72.5°	166.3	178.1	203.1	236.2	279.8	293.8	268.0	231.2	206.4	191.1	180.0
75°	126.7	136.6	152.8	179.4	209.6	217.7	198.3	175.3	158.7	147.8	139.3
77.5°	91.4	98.6	110.4	126.7	147.7	155.0	142.7	127.3	115.2	107.9	103.1
80°	69.0	74.8	84.7	98.2	110.9	114.9	107.7	96.0	87.5	83.4	79.3
82.5°	51.0	54.2	60.2	69.4	78.1	82.8	76.7	69.7	65.1	61.4	59.8
85°	25.7	27.5	30.2	33.8	39.2	41.0	38.7	36.9	34.3	32.0	32.0
87.5°	9.8	10.1	11.5	12.4	14.2	15.7	15.7	15.3	15.3	15.1	14.8
90°	2.1	3.4	4.8	6.3	7.9	9.7	11.5	13.3	15.2	15.8	16.4
92.5°	11.4	11.0	10.6	10.2	10.7	12.1	13.4	14.8	16.2	17.1	18.0
95°	32.9	27.1	21.4	15.6	13.4	15.0	16.5	18.1	19.6	20.7	21.6
97.5°	75.1	72.5	69.9	67.3	61.0	50.8	40.6	30.6	20.4	21.5	22.6
100°	109.9	112.7	115.5	118.3	108.7	86.8	64.8	42.9	20.9	22.0	23.2
102.5°	142.6	144.6	146.6	148.6	137.7	113.7	89.6	65.7	41.7	38.2	34.7
105°	190.4	191.9	193.5	195.0	189.4	176.8	164.1	151.4	138.8	113.8	88.9
107.5°	241.0	242.2	243.5	244.7	246.3	248.3	250.3	252.4	254.3	236.0	217.7
110°	274.8	276.0	277.1	278.2	279.6	281.1	282.7	284.2	285.8	281.1	276.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	307.1	308.2	309.2	310.2	311.5	313.1	314.6	316.2	317.7	317.8	317.9
115°	355.0	355.9	356.7	357.6	358.6	359.9	361.1	362.4	363.7	365.1	366.5
117.5°	401.7	402.8	403.8	404.8	405.7	406.3	407.0	407.6	408.3	409.4	410.5
120°	430.8	432.1	433.3	434.6	435.5	435.9	436.4	436.8	437.1	438.3	439.5
122.5°	460.0	461.1	462.1	463.1	463.9	464.4	465.0	465.5	466.1	466.8	467.6
125°	500.4	501.5	502.7	503.8	504.6	505.1	505.8	506.3	506.9	507.1	507.4
127.5°	539.4	540.5	541.7	542.8	543.7	544.4	545.0	545.7	546.4	546.8	547.3
130°	563.8	564.9	566.0	567.1	568.0	568.5	569.1	569.6	570.2	570.8	571.4
132.5°	587.0	588.1	589.3	590.5	591.2	591.7	592.1	592.5	593.1	593.6	594.2
135°	622.4	623.2	624.1	624.9	625.6	626.2	626.7	627.3	627.8	628.3	628.7
137.5°	653.0	654.1	655.1	656.3	656.9	657.2	657.5	657.9	658.1	658.8	659.5
140°	673.0	673.9	674.8	675.6	676.2	676.7	677.1	677.5	678.0	678.5	679.1
142.5°	691.8	692.7	693.5	694.4	695.0	695.4	695.9	696.3	696.7	697.2	697.6
145°	718.2	719.2	720.1	721.2	721.8	722.0	722.4	722.6	722.9	723.2	723.5
147.5°	742.5	743.2	743.8	744.5	744.9	745.3	745.5	745.8	746.1	746.4	746.7
150°	757.5	757.9	758.4	758.8	759.1	759.5	759.7	760.0	760.3	760.6	760.9
152.5°	771.0	771.2	771.4	771.6	771.8	772.0	772.1	772.3	772.5	772.9	773.4
155°	789.8	789.5	789.2	788.9	788.8	789.0	789.2	789.3	789.5	790.1	790.8
157.5°	805.0	804.9	804.9	804.9	804.9	804.7	804.5	804.4	804.3	805.1	806.0
160°	814.0	813.9	813.7	813.6	813.5	813.3	813.1	813.0	812.9	813.7	814.6
162.5°	822.4	822.0	821.7	821.3	821.0	820.9	820.8	820.6	820.4	821.5	822.4
165°	832.8	832.3	831.9	831.5	831.2	831.0	830.9	830.8	830.6	831.7	832.8
167.5°	840.7	840.2	839.6	839.0	838.7	838.7	838.7	838.7	838.7	839.8	840.9
170°	845.2	844.7	844.1	843.6	843.3	843.3	843.3	843.3	843.3	844.4	845.5
172.5°	848.2	847.5	846.9	846.2	845.8	846.0	846.1	846.2	846.4	847.5	848.6
175°	852.0	851.4	850.7	850.0	849.7	849.8	850.0	850.2	850.2	851.3	852.2
177.5°	853.3	852.6	852.1	851.5	851.4	851.4	851.5	851.7	851.8	852.6	853.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	930.3	930.3	930.3	930.3	930.3	930.3	930.3
2.5°	979.0	979.4	983.3	986.3	984.8	986.6	987.3
5°	1069.6	1085.9	1094.4	1100.7	1101.2	1101.6	1105.3
7.5°	1198.1	1215.5	1228.2	1247.5	1253.3	1259.8	1257.9
10°	1291.8	1317.5	1339.6	1351.3	1364.0	1382.4	1367.6
12.5°	1379.5	1425.0	1458.6	1476.9	1488.8	1492.5	1485.1
15°	1524.0	1583.5	1615.5	1614.5	1655.2	1672.8	1645.2
17.5°	1656.5	1711.4	1755.4	1778.0	1811.7	1819.2	1815.8
20°	1737.7	1797.6	1831.9	1870.6	1888.2	1903.9	1906.7
22.5°	1807.6	1861.4	1898.2	1930.4	1945.2	1952.7	1957.1
25°	1879.6	1922.0	1944.1	1955.3	1959.4	1958.5	1952.7
27.5°	1874.7	1877.9	1853.6	1829.7	1808.4	1784.3	1776.0
30°	1826.0	1788.1	1720.5	1682.2	1625.8	1581.2	1599.2
32.5°	1698.0	1622.6	1546.7	1462.9	1393.6	1373.9	1354.0
35°	1449.1	1316.6	1239.2	1148.9	1112.9	1076.9	1052.1
37.5°	1172.4	1069.9	977.9	918.9	882.9	860.1	847.7
40°	1013.7	921.4	845.6	797.8	770.3	744.7	741.1
42.5°	887.2	801.2	744.2	706.2	679.8	668.9	661.0
45°	726.6	666.7	628.4	601.3	583.8	577.0	567.9
47.5°	615.0	572.7	543.9	525.5	512.2	507.2	506.4
50°	552.6	517.5	496.3	481.8	471.5	469.7	462.4
52.5°	505.8	475.3	458.7	446.2	438.7	433.6	431.4
55°	439.0	418.7	403.9	396.7	390.8	385.8	385.8
57.5°	384.1	367.2	357.3	351.2	349.4	345.9	343.6
60°	350.3	335.8	328.1	322.7	319.2	319.6	315.6
62.5°	317.0	307.7	300.4	295.0	290.7	290.8	291.0
65°	270.0	262.8	257.4	255.5	252.9	249.7	250.6
67.5°	228.8	222.1	217.8	214.7	213.9	212.2	214.7
70°	199.2	194.2	191.1	188.4	187.5	188.0	190.2
72.5°	172.2	168.7	166.6	165.3	163.3	163.4	165.0
75°	135.3	132.5	130.7	129.3	128.9	128.9	128.9
77.5°	99.4	98.8	97.9	95.9	96.0	96.5	96.6
80°	78.4	77.1	76.6	75.8	74.4	73.4	75.8
82.5°	58.6	57.3	56.8	56.7	54.5	54.3	56.2
85°	31.5	30.2	30.7	30.2	30.2	29.8	29.8
87.5°	14.6	14.3	14.0	14.5	14.1	13.9	14.6
90°	16.9	17.5	17.9	18.2	18.4	18.7	19.0
92.5°	18.9	19.8	20.3	20.5	20.7	20.8	21.0
95°	22.6	23.6	24.1	24.1	24.1	24.1	24.1
97.5°	23.8	24.9	25.6	25.7	25.8	26.0	26.1
100°	24.3	25.4	26.1	26.2	26.3	26.4	26.6
102.5°	31.3	27.7	26.1	26.3	26.6	26.9	27.1
105°	64.0	39.1	26.8	27.0	27.3	27.6	27.9
107.5°	199.5	181.2	162.7	143.9	125.1	106.3	87.6
110°	271.8	267.2	254.8	234.6	214.5	194.3	174.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	318.0	318.1	315.9	311.7	307.5	303.2	298.9
115°	367.9	369.3	370.3	370.8	371.4	372.0	372.6
117.5°	411.6	412.8	413.4	413.5	413.6	413.7	413.9
120°	440.6	441.7	442.2	442.2	442.2	442.2	442.2
122.5°	468.4	469.2	469.7	469.8	469.8	470.0	470.1
125°	507.7	508.0	508.2	508.6	508.9	509.1	509.4
127.5°	547.8	548.2	548.3	548.0	547.7	547.4	547.2
130°	571.9	572.5	572.7	572.3	572.0	571.8	571.4
132.5°	594.7	595.3	595.4	595.0	594.6	594.2	593.7
135°	629.1	629.6	629.6	629.1	628.7	628.3	627.8
137.5°	660.2	660.9	661.1	660.8	660.5	660.2	660.0
140°	679.6	680.2	680.4	680.0	679.8	679.5	679.2
142.5°	698.0	698.4	698.5	698.1	697.8	697.3	696.9
145°	723.8	724.0	724.2	724.2	724.2	724.2	724.2
147.5°	746.9	747.3	747.0	746.4	745.7	745.1	744.4
150°	761.1	761.4	761.4	761.0	760.5	760.1	759.7
152.5°	774.0	774.5	774.4	773.8	773.1	772.5	771.8
155°	791.5	792.3	792.2	791.3	790.5	789.6	788.8
157.5°	806.8	807.6	807.5	806.4	805.3	804.3	803.1
160°	815.5	816.2	816.2	815.2	814.2	813.2	812.3
162.5°	823.4	824.3	824.3	823.5	822.6	821.7	820.9
165°	834.0	835.1	835.2	834.2	833.2	832.2	831.2
167.5°	842.1	843.3	843.3	842.1	840.9	839.8	838.7
170°	846.7	847.8	847.8	846.7	845.5	844.4	843.3
172.5°	849.7	850.8	850.8	849.5	848.3	847.1	845.8
175°	853.3	854.2	854.1	853.0	851.9	850.8	849.6
177.5°	854.5	855.4	855.2	854.1	853.0	851.9	850.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8

(END OF REPORT)