

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: P332775-935

Luminaire Tested: **S124DIW-S795D470U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332775-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-6,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124DIW-S795D470U935-4F0-1E-UDD-A
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4665.1 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

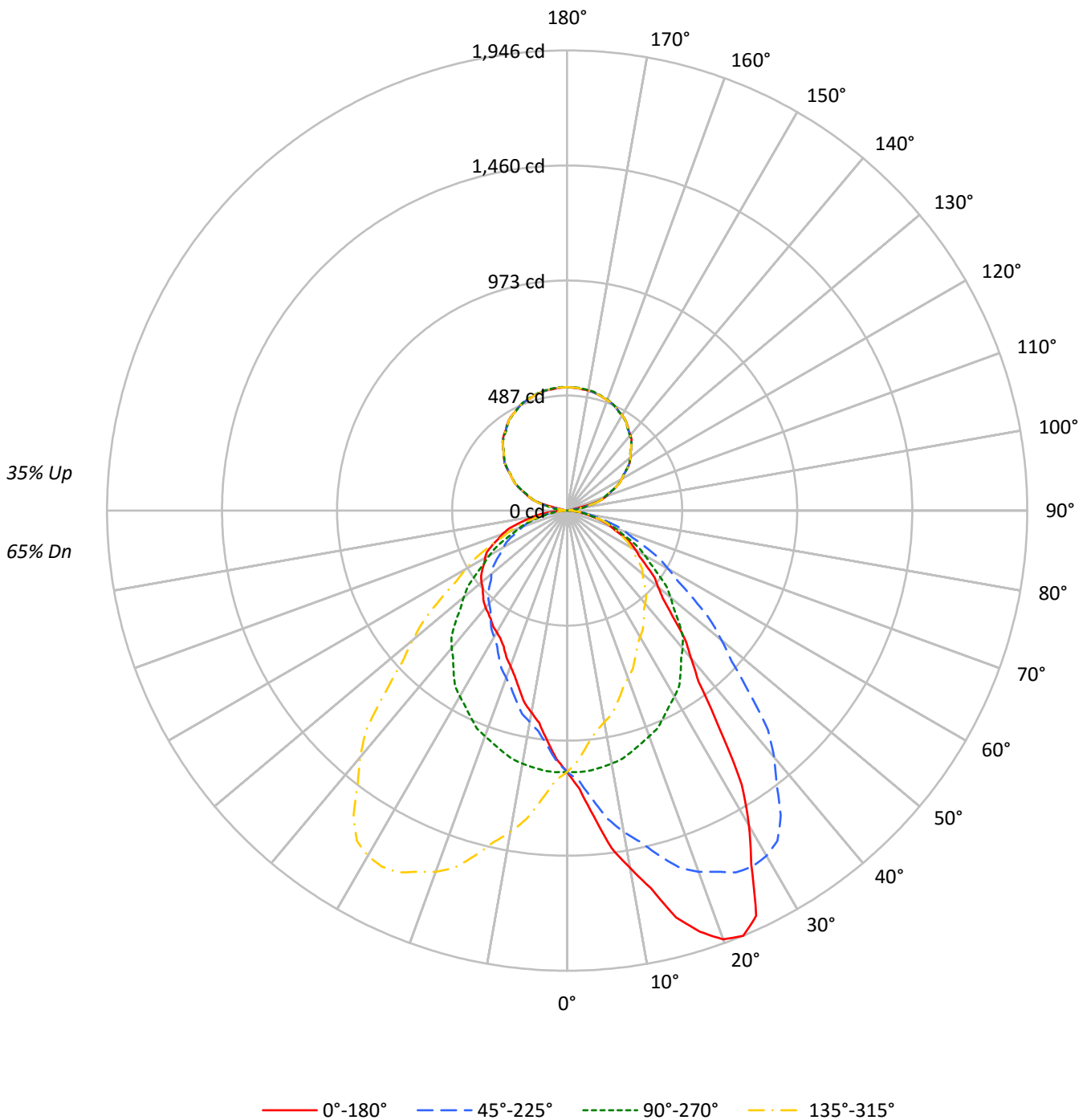
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	65
1	102	97	93	90	95	92	88	85	81	79	76	71	70	68	63	61	60	56
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	55	53	51	47
3	85	75	68	62	79	71	65	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	51	56	51	46	50	46	42	44	41	38	35
5	72	60	52	46	67	57	49	44	51	45	40	45	40	37	40	36	33	30
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	33	29	27
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	37	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8924	8924	8924	8924
5°	10509	8947	7897	8947
10°	12582	8908	7110	8908
15°	14888	8818	6529	8818
20°	16578	8725	6010	8725
25°	16846	8590	5653	8590
30°	14334	8460	5540	8460
35°	11020	8250	5542	8250
40°	8590	8001	5647	8001
45°	7162	7628	5740	7628
50°	6303	7171	5936	7171
55°	5775	6625	6175	6625
60°	5412	6135	6462	6135
65°	5037	5589	6701	5589
70°	4605	5049	6852	5049
75°	4114	4442	6772	4442
80°	3450	3640	6555	3640
85°	2547	2631	6280	2631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	2.3
10°-20°	331.9	7.1
20°-30°	526.4	11.3
30°-40°	585.8	12.6
40°-50°	533.2	11.4
50°-60°	435.7	9.3
60°-70°	311.1	6.7
70°-80°	171.3	3.7
80°-90°	48.3	1.0
90°-100°	17.8	0.4
100°-110°	113.8	2.4
110°-120°	217.6	4.7
120°-130°	276.3	5.9
130°-140°	295.6	6.3
140°-150°	276.4	5.9
150°-160°	222.9	4.8
160°-170°	143.8	3.1
170°-180°	49.6	1.1
0°-30°	966.0	20.7
0°-40°	1551.8	33.3
0°-60°	2520.7	54.0
0°-90°	3051.3	65.4
90°-120°	349.2	7.5
90°-150°	1197.5	25.7
90°-180°	1614.0	34.6
0°-180°	4665.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1105	1105	1105	1105	1105	
5°	1297	1104	974	1104	1297	132
15°	1781	1055	781	1055	1781	503
25°	1891	964	635	964	1891	834
35°	1118	837	562	837	1118	710
45°	627	668	503	668	627	494
55°	410	471	439	471	410	371
65°	264	293	351	293	264	261
75°	132	142	217	142	132	140
85°	28	28	68	28	28	34
90°	12	1	12	1	12	6
95°	11	21	11	21	11	9
105°	111	117	111	117	111	97
115°	221	219	221	219	221	219
125°	311	308	311	308	311	277
135°	385	382	385	382	385	296
145°	443	441	443	441	443	277
155°	483	484	483	484	483	223
165°	508	510	508	510	508	143
175°	519	522	519	522	519	49
180°	522	522	522	522	522	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1176.5	1176.1	1172.4	1171.7	1169.2	1165.9	1165.1	1159.3	1147.5	1142.0	1140.6
5°	1296.8	1306.0	1294.1	1291.8	1290.4	1275.3	1267.5	1258.4	1237.3	1224.9	1215.3
7.5°	1440.5	1441.5	1436.3	1432.1	1420.5	1407.2	1387.5	1366.4	1341.4	1315.2	1295.5
10°	1534.9	1538.6	1532.7	1531.7	1508.4	1493.7	1464.4	1439.7	1411.3	1379.7	1350.8
12.5°	1634.6	1629.4	1626.4	1606.8	1602.5	1575.8	1541.7	1516.2	1472.5	1436.1	1397.7
15°	1781.3	1771.2	1764.8	1737.8	1724.5	1687.4	1651.2	1623.3	1566.1	1511.6	1470.3
17.5°	1867.3	1877.4	1862.6	1851.5	1817.1	1791.1	1754.2	1695.6	1650.8	1583.1	1531.1
20°	1929.7	1930.5	1922.4	1910.9	1883.9	1850.9	1810.6	1746.5	1692.9	1625.6	1554.2
22.5°	1946.5	1946.7	1943.2	1932.5	1912.0	1885.3	1844.7	1791.1	1726.2	1653.0	1581.7
25°	1891.2	1889.4	1893.5	1905.4	1897.6	1889.4	1866.0	1826.2	1765.7	1688.3	1611.4
27.5°	1685.7	1698.3	1721.6	1750.8	1779.1	1800.6	1806.6	1798.5	1761.0	1697.4	1616.8
30°	1537.7	1553.2	1570.6	1599.9	1656.7	1689.3	1724.9	1752.0	1736.9	1686.0	1610.9
32.5°	1375.0	1378.9	1404.7	1438.0	1490.0	1552.6	1609.2	1664.1	1682.3	1655.6	1593.0
35°	1118.2	1124.6	1152.5	1185.5	1249.2	1325.7	1410.8	1486.9	1549.5	1574.8	1542.7
37.5°	912.5	930.9	950.6	986.1	1042.2	1110.9	1199.5	1297.8	1391.3	1454.0	1464.6
40°	815.1	826.6	840.8	867.7	915.3	983.2	1059.1	1171.8	1271.2	1360.9	1390.3
42.5°	738.1	744.9	753.5	778.0	814.2	881.7	951.1	1050.2	1150.0	1257.2	1306.3
45°	627.3	634.2	648.8	663.1	690.5	737.3	801.8	883.3	983.6	1087.1	1177.8
47.5°	547.3	551.7	560.4	575.6	598.9	629.7	682.3	750.4	843.3	943.7	1040.3
50°	501.9	505.5	512.4	526.2	544.0	571.4	614.5	678.2	751.0	852.2	946.9
52.5°	466.0	467.4	472.5	481.8	496.0	519.1	554.4	607.1	674.8	765.0	859.5
55°	410.3	412.2	416.7	423.6	435.9	450.6	477.6	516.9	576.1	654.4	736.3
57.5°	364.5	365.8	369.6	372.3	382.5	394.3	415.2	443.2	488.0	554.4	627.6
60°	335.2	334.2	338.9	341.1	348.0	358.1	374.1	401.1	440.1	493.6	560.9
62.5°	306.6	305.3	309.2	312.2	316.2	324.8	337.9	359.0	390.6	439.0	497.2
65°	263.7	261.9	264.2	267.9	271.6	276.1	285.8	304.5	329.7	364.5	408.9
67.5°	220.7	222.7	223.0	224.8	227.0	233.2	239.8	253.0	270.8	298.7	336.3
70°	195.1	195.5	197.3	197.3	198.7	204.2	209.7	217.5	234.9	260.5	291.2
72.5°	169.4	171.3	170.7	172.1	173.1	176.8	180.8	188.2	203.0	222.1	248.0
75°	131.9	133.3	133.3	133.7	135.1	136.5	139.7	145.2	155.7	169.9	187.8
77.5°	96.2	96.3	96.9	98.7	98.7	100.8	103.2	107.6	112.8	122.5	133.5
80°	74.2	75.1	74.6	75.6	75.6	77.4	78.3	83.8	86.1	92.5	101.2
82.5°	54.4	55.3	55.2	56.5	57.3	57.6	58.9	61.0	63.4	69.1	72.6
85°	27.5	28.4	27.5	28.4	29.8	30.2	31.6	32.0	33.9	35.3	38.5
87.5°	10.4	11.5	11.5	11.8	12.5	12.7	13.0	12.6	13.9	14.2	15.5
90°	11.7	11.5	11.4	11.2	11.0	10.7	10.2	9.6	9.1	8.6	7.9
92.5°	10.8	10.8	10.7	10.7	10.6	10.3	9.8	9.3	8.8	8.3	7.6
95°	11.3	11.2	11.1	11.0	10.9	10.7	10.2	9.6	9.1	8.6	8.5
97.5°	10.9	10.8	10.8	10.7	10.6	10.5	10.4	10.4	10.3	10.3	20.0
100°	10.9	10.8	10.8	10.7	10.6	11.3	12.7	14.2	15.7	17.1	29.1
102.5°	11.3	11.2	11.2	11.2	11.2	19.1	35.0	50.9	66.8	82.7	84.3
105°	111.2	114.3	117.4	120.5	123.7	124.8	124.1	123.3	122.5	121.7	121.3
107.5°	155.0	154.6	154.3	154.0	153.7	153.3	152.9	152.6	152.1	151.8	151.2
110°	174.0	173.7	173.5	173.2	173.0	172.8	172.6	172.5	172.3	172.1	171.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	193.0	192.8	192.4	192.1	191.7	191.6	191.7	191.7	191.7	191.7	191.5
115°	220.8	220.8	220.8	220.8	220.8	220.8	220.6	220.4	220.2	220.1	220.2
117.5°	249.1	249.2	249.2	249.2	249.3	249.3	249.3	249.3	249.3	249.4	249.3
120°	266.9	267.1	267.3	267.4	267.6	267.6	267.4	267.3	267.1	266.9	267.0
122.5°	284.4	284.6	284.7	284.9	285.1	285.1	285.0	284.9	284.8	284.7	284.6
125°	310.6	310.5	310.4	310.3	310.2	310.0	309.8	309.5	309.3	309.0	309.2
127.5°	333.6	333.7	333.7	333.8	333.9	334.0	334.0	334.1	334.2	334.2	333.8
130°	349.2	349.2	349.2	349.2	349.2	349.2	349.1	349.0	349.0	348.9	348.6
132.5°	363.6	363.7	363.8	363.8	363.9	363.9	363.8	363.7	363.6	363.5	363.2
135°	385.1	385.0	384.8	384.6	384.4	384.3	384.1	383.9	383.7	383.6	383.2
137.5°	403.6	403.6	403.6	403.7	403.7	403.7	403.5	403.3	403.1	402.9	402.5
140°	416.4	416.3	416.2	416.1	416.0	415.9	415.6	415.3	415.1	414.8	414.7
142.5°	427.0	427.0	427.0	426.9	426.9	426.8	426.6	426.4	426.2	426.0	425.9
145°	443.2	443.1	442.9	442.7	442.6	442.5	442.4	442.3	442.2	442.1	442.1
147.5°	456.8	456.7	456.6	456.5	456.4	456.3	456.2	456.2	456.2	456.1	456.2
150°	465.5	465.5	465.4	465.3	465.2	465.1	465.1	465.1	465.1	465.1	465.2
152.5°	473.0	473.0	473.1	473.2	473.2	473.2	473.0	472.9	472.8	472.6	472.8
155°	483.1	483.4	483.6	483.9	484.1	484.1	483.7	483.4	483.0	482.7	482.9
157.5°	491.5	492.0	492.4	492.8	493.3	493.3	492.8	492.4	492.0	491.5	491.8
160°	497.1	497.7	498.2	498.7	499.2	499.2	498.7	498.2	497.7	497.1	497.2
162.5°	501.5	502.0	502.7	503.3	503.9	503.9	503.3	502.8	502.3	501.8	501.9
165°	507.6	508.4	509.2	510.0	510.7	510.8	510.1	509.5	508.8	508.1	508.1
167.5°	512.3	513.2	514.0	514.9	515.7	515.8	515.1	514.3	513.5	512.7	512.8
170°	515.1	515.9	516.8	517.6	518.6	518.7	517.9	517.2	516.5	515.8	515.7
172.5°	516.6	517.5	518.5	519.4	520.4	520.5	519.8	519.1	518.4	517.7	517.6
175°	518.6	519.6	520.6	521.7	522.7	522.9	522.1	521.3	520.6	519.8	519.7
177.5°	519.9	520.6	521.5	522.4	523.1	523.3	522.7	522.2	521.6	521.1	520.9
180°	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1140.9	1135.8	1132.1	1129.2	1121.2	1116.4	1112.8	1107.6	1101.7	1095.5	1087.8
5°	1205.7	1190.1	1178.7	1161.2	1144.8	1131.0	1116.9	1104.1	1088.5	1071.5	1059.1
7.5°	1273.8	1250.6	1220.9	1195.2	1166.2	1141.0	1118.5	1095.5	1071.4	1048.2	1026.8
10°	1317.0	1287.2	1254.2	1215.3	1178.7	1146.2	1115.9	1086.7	1058.3	1029.8	1005.6
12.5°	1363.5	1326.4	1277.6	1232.2	1191.1	1147.6	1111.2	1075.3	1041.0	1011.2	982.8
15°	1425.9	1372.3	1316.0	1255.2	1201.1	1150.3	1100.4	1055.1	1016.6	977.1	949.7
17.5°	1464.3	1398.0	1333.6	1270.0	1204.6	1140.5	1086.7	1034.3	986.2	947.0	912.4
20°	1489.6	1423.7	1343.5	1279.9	1202.0	1136.1	1073.8	1015.6	965.3	923.6	887.9
22.5°	1511.6	1435.4	1355.2	1271.4	1193.9	1124.0	1055.8	997.3	945.9	902.0	867.7
25°	1523.5	1436.0	1349.0	1265.7	1177.8	1094.8	1033.0	964.4	909.4	863.2	826.6
27.5°	1524.7	1431.2	1332.8	1240.2	1149.4	1072.3	994.2	932.9	875.8	826.9	791.7
30°	1520.7	1423.2	1317.4	1217.1	1126.0	1042.2	974.5	907.6	849.5	800.9	764.2
32.5°	1507.9	1406.4	1297.6	1191.5	1097.1	1015.1	945.1	881.6	824.9	777.1	738.7
35°	1470.8	1370.5	1254.6	1144.4	1047.7	964.8	901.6	837.1	780.3	734.9	697.8
37.5°	1412.8	1322.2	1204.4	1090.2	995.3	912.1	849.5	791.1	739.9	693.8	655.8
40°	1362.3	1282.6	1164.5	1053.2	950.6	871.4	812.8	759.2	708.4	664.9	628.7
42.5°	1304.1	1234.6	1125.7	1007.8	908.9	829.3	772.1	724.0	676.1	635.9	599.8
45°	1200.1	1154.4	1051.8	942.9	839.8	764.7	710.2	668.1	627.8	588.4	558.2
47.5°	1080.7	1058.1	971.7	868.2	770.4	696.4	649.1	610.2	574.9	541.6	514.9
50°	1000.6	989.5	914.9	815.1	721.7	652.0	604.4	571.0	540.8	511.5	486.3
52.5°	921.4	921.0	853.8	762.3	675.9	608.8	561.5	530.4	504.2	480.4	457.7
55°	800.5	813.2	760.6	679.1	601.7	541.2	498.7	470.7	452.5	432.7	415.8
57.5°	689.3	710.6	667.2	595.4	530.8	475.1	438.1	417.1	397.5	385.6	373.3
60°	616.8	637.0	603.0	542.6	481.7	434.1	398.8	380.0	363.1	354.9	346.2
62.5°	552.3	570.3	545.2	489.1	436.3	390.5	360.8	342.7	331.2	322.3	316.5
65°	460.2	475.3	453.8	413.0	367.7	331.1	306.8	292.6	281.6	277.9	271.6
67.5°	372.0	385.7	374.1	339.5	303.2	275.3	256.4	242.8	236.3	233.1	228.5
70°	319.6	333.4	321.0	290.8	262.9	239.5	221.6	213.9	207.0	205.6	199.1
72.5°	275.3	284.6	272.2	248.7	224.7	205.1	191.2	183.0	179.5	177.0	173.6
75°	206.6	214.7	206.6	188.2	171.3	157.6	145.6	142.4	138.3	136.9	134.7
77.5°	146.2	153.3	147.0	135.5	122.9	112.3	105.9	101.8	100.8	98.4	99.5
80°	111.8	116.3	110.4	102.5	92.5	85.2	80.6	78.3	75.6	74.6	76.5
82.5°	80.2	82.2	79.2	74.0	66.5	61.7	58.6	56.0	55.4	55.6	55.6
85°	41.7	41.2	40.7	36.2	33.9	30.7	28.8	28.4	27.9	28.8	29.8
87.5°	15.3	15.6	15.1	13.4	12.1	10.8	10.3	9.7	10.3	10.8	11.5
90°	7.2	6.5	5.8	5.0	4.0	3.1	2.2	1.2	2.2	3.1	4.0
92.5°	6.9	6.2	5.5	5.2	5.1	5.0	5.0	4.9	5.0	5.0	5.1
95°	8.4	8.4	8.3	9.6	12.7	15.6	18.5	21.4	18.5	15.6	12.7
97.5°	29.6	39.3	49.0	53.0	51.1	49.2	47.4	45.5	47.4	49.2	51.1
100°	41.1	53.0	65.0	70.3	68.7	67.2	65.5	64.0	65.5	67.2	68.7
102.5°	85.8	87.4	88.9	89.2	88.0	86.9	85.8	84.6	85.8	86.9	88.0
105°	120.9	120.5	120.0	119.5	119.0	118.5	118.0	117.4	118.0	118.5	119.0
107.5°	150.6	150.0	149.5	149.0	148.8	148.5	148.3	148.0	148.3	148.5	148.8
110°	171.1	170.5	170.0	169.6	169.4	169.1	168.8	168.6	168.8	169.1	169.4



TEST NUMBER: P332775-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	191.2	191.1	190.8	190.5	189.9	189.5	189.0	188.6	189.0	189.5	189.9
115°	220.2	220.3	220.4	220.3	220.1	219.8	219.6	219.3	219.6	219.8	220.1
117.5°	249.0	248.8	248.7	248.4	248.1	247.7	247.4	247.0	247.4	247.7	248.1
120°	267.1	267.2	267.3	267.1	266.7	266.4	266.0	265.7	266.0	266.4	266.7
122.5°	284.5	284.3	284.2	284.0	283.9	283.6	283.4	283.2	283.4	283.6	283.9
125°	309.4	309.5	309.7	309.6	309.3	308.9	308.6	308.2	308.6	308.9	309.3
127.5°	333.4	332.9	332.6	332.3	332.3	332.2	332.1	332.0	332.1	332.2	332.3
130°	348.4	348.1	347.8	347.7	347.6	347.5	347.3	347.2	347.3	347.5	347.6
132.5°	362.8	362.6	362.2	362.0	361.8	361.6	361.4	361.4	361.4	361.6	361.8
135°	382.9	382.5	382.2	382.0	382.1	382.2	382.3	382.4	382.3	382.2	382.1
137.5°	402.2	401.7	401.4	401.2	401.1	401.1	401.1	401.1	401.1	401.1	401.1
140°	414.5	414.2	414.1	413.9	413.7	413.5	413.4	413.2	413.4	413.5	413.7
142.5°	425.9	425.7	425.6	425.4	425.1	424.8	424.5	424.1	424.5	424.8	425.1
145°	442.1	442.1	442.1	442.0	441.7	441.4	441.2	440.9	441.2	441.4	441.7
147.5°	456.2	456.3	456.4	456.2	455.7	455.2	454.8	454.3	454.8	455.2	455.7
150°	465.3	465.4	465.5	465.4	465.0	464.7	464.3	464.0	464.3	464.7	465.0
152.5°	472.9	473.1	473.2	473.2	472.9	472.6	472.3	472.1	472.3	472.6	472.9
155°	483.2	483.5	483.7	483.8	483.7	483.6	483.5	483.5	483.5	483.6	483.7
157.5°	492.1	492.4	492.7	492.8	492.9	492.9	493.0	493.1	493.0	492.9	492.9
160°	497.3	497.4	497.5	497.7	497.9	498.2	498.4	498.7	498.4	498.2	497.9
162.5°	502.0	502.0	502.1	502.4	502.7	503.0	503.3	503.7	503.3	503.0	502.7
165°	508.1	508.1	508.1	508.2	508.7	509.1	509.5	510.0	509.5	509.1	508.7
167.5°	512.8	512.9	512.9	513.2	513.7	514.1	514.5	515.0	514.5	514.1	513.7
170°	515.7	515.6	515.5	515.7	516.3	516.8	517.3	517.8	517.3	516.8	516.3
172.5°	517.5	517.5	517.4	517.6	518.1	518.7	519.2	519.7	519.2	518.7	518.1
175°	519.6	519.5	519.4	519.6	520.1	520.6	521.2	521.7	521.2	520.6	520.1
177.5°	520.8	520.6	520.6	520.7	521.2	521.7	522.2	522.6	522.2	521.7	521.2
180°	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7



TEST NUMBER: P332775-935

CATALOG NUMBER: S124DIW-S795D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1084.2	1080.9	1076.1	1069.5	1064.0	1058.2	1056.7	1054.5	1058.9	1055.2	1054.1
5°	1048.6	1039.0	1026.7	1012.4	1004.2	992.3	990.0	985.4	980.9	980.4	975.8
7.5°	1011.0	996.9	980.7	966.2	952.8	939.8	931.3	929.4	922.7	918.8	914.2
10°	986.8	969.4	950.6	936.9	921.4	907.6	897.9	892.5	887.9	882.9	878.3
12.5°	958.2	939.7	924.3	909.4	890.9	880.5	864.6	855.1	854.2	854.3	842.4
15°	925.0	906.6	882.9	861.8	851.7	831.6	822.9	811.8	805.0	798.1	792.6
17.5°	887.0	864.2	845.6	821.4	802.2	786.2	774.7	768.1	757.8	748.0	741.0
20°	863.2	838.9	819.2	793.6	772.5	752.8	743.2	734.0	726.3	718.0	710.2
22.5°	839.0	813.6	789.5	764.7	745.0	724.3	715.0	702.5	695.1	690.5	682.8
25°	800.9	773.4	746.0	722.1	702.0	683.6	671.3	661.7	653.4	649.8	644.7
27.5°	759.5	732.2	705.7	678.6	655.7	642.5	632.6	625.3	620.5	615.7	613.5
30°	733.1	704.7	676.3	651.2	630.1	616.8	607.6	602.6	598.9	596.7	594.3
32.5°	706.4	678.4	648.5	625.5	606.7	594.9	587.9	582.8	581.0	580.1	579.4
35°	663.5	635.2	607.6	587.0	569.2	564.6	558.6	555.9	555.0	558.2	559.6
37.5°	622.0	595.6	570.4	550.4	538.7	532.0	529.9	530.1	533.4	536.2	539.5
40°	595.3	569.6	545.9	528.4	517.5	513.3	512.4	514.7	518.3	521.6	525.2
42.5°	569.3	544.0	522.4	506.1	498.4	494.6	495.2	497.5	502.6	506.5	512.0
45°	528.9	507.8	486.7	473.5	467.1	468.0	468.0	472.1	477.2	483.1	489.0
47.5°	490.9	469.7	452.3	441.2	437.8	437.0	439.6	445.0	452.2	459.6	467.9
50°	465.2	445.1	430.0	419.9	416.2	417.6	421.3	426.3	435.0	444.2	452.9
52.5°	439.2	420.9	406.9	397.5	395.0	397.4	401.1	409.1	416.7	426.6	437.1
55°	398.8	383.2	372.3	365.4	364.5	365.8	370.0	378.7	389.7	402.1	412.2
57.5°	358.6	345.6	335.5	330.8	331.2	332.5	339.3	349.7	361.4	374.5	387.5
60°	331.6	319.6	311.4	307.7	308.2	310.9	319.2	328.8	343.5	356.3	370.0
62.5°	305.9	295.4	287.6	284.3	283.6	289.6	297.6	307.5	322.2	336.5	351.3
65°	264.7	256.4	250.0	248.2	249.6	254.2	264.2	277.5	289.9	305.0	320.6
67.5°	224.4	217.6	213.2	214.0	215.7	222.5	230.9	242.3	256.3	272.0	287.4
70°	198.7	192.3	188.6	189.1	191.8	200.1	207.4	218.9	234.0	250.0	262.9
72.5°	172.4	168.2	164.9	166.8	169.5	175.2	184.3	195.8	209.1	224.0	237.5
75°	132.3	132.3	130.5	131.9	136.0	141.5	148.4	160.2	173.6	185.5	196.5
77.5°	98.2	97.2	98.3	100.0	102.4	108.9	116.8	125.3	135.3	147.1	156.3
80°	75.1	75.6	77.8	80.6	81.5	86.5	94.8	102.5	110.4	120.5	129.2
82.5°	56.4	56.9	58.0	61.6	62.4	67.8	73.2	80.9	88.0	94.8	102.0
85°	30.7	30.7	33.0	34.4	36.6	40.3	43.5	48.0	54.5	59.1	66.0
87.5°	12.7	12.9	14.5	15.3	16.6	18.6	19.4	23.5	25.1	27.0	30.4
90°	5.0	5.8	6.5	7.2	7.9	8.6	9.1	9.6	10.2	10.7	11.0
92.5°	5.2	5.5	6.2	6.9	7.6	8.3	8.8	9.3	9.8	10.3	10.6
95°	9.6	8.3	8.4	8.4	8.5	8.6	9.1	9.6	10.2	10.7	10.9
97.5°	53.0	49.0	39.3	29.6	20.0	10.3	10.3	10.4	10.4	10.5	10.6
100°	70.3	65.0	53.0	41.1	29.1	17.1	15.7	14.2	12.7	11.3	10.6
102.5°	89.2	88.9	87.4	85.8	84.3	82.7	66.8	50.9	35.0	19.1	11.2
105°	119.5	120.0	120.5	120.9	121.3	121.7	122.5	123.3	124.1	124.8	123.7
107.5°	149.0	149.5	150.0	150.6	151.2	151.8	152.1	152.6	152.9	153.3	153.7
110°	169.6	170.0	170.5	171.1	171.6	172.1	172.3	172.5	172.6	172.8	173.0



TEST NUMBER: P332775-935

CATALOG NUMBER: S124DIW-S795D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	190.5	190.8	191.1	191.2	191.5	191.7	191.7	191.7	191.7	191.6	191.7
115°	220.3	220.4	220.3	220.2	220.2	220.1	220.2	220.4	220.6	220.8	220.8
117.5°	248.4	248.7	248.8	249.0	249.3	249.4	249.3	249.3	249.3	249.3	249.3
120°	267.1	267.3	267.2	267.1	267.0	266.9	267.1	267.3	267.4	267.6	267.6
122.5°	284.0	284.2	284.3	284.5	284.6	284.7	284.8	284.9	285.0	285.1	285.1
125°	309.6	309.7	309.5	309.4	309.2	309.0	309.3	309.5	309.8	310.0	310.2
127.5°	332.3	332.6	332.9	333.4	333.8	334.2	334.2	334.1	334.0	334.0	333.9
130°	347.7	347.8	348.1	348.4	348.6	348.9	349.0	349.0	349.1	349.2	349.2
132.5°	362.0	362.2	362.6	362.8	363.2	363.5	363.6	363.7	363.8	363.9	363.9
135°	382.0	382.2	382.5	382.9	383.2	383.6	383.7	383.9	384.1	384.3	384.4
137.5°	401.2	401.4	401.7	402.2	402.5	402.9	403.1	403.3	403.5	403.7	403.7
140°	413.9	414.1	414.2	414.5	414.7	414.8	415.1	415.3	415.6	415.9	416.0
142.5°	425.4	425.6	425.7	425.9	425.9	426.0	426.2	426.4	426.6	426.8	426.9
145°	442.0	442.1	442.1	442.1	442.1	442.1	442.2	442.3	442.4	442.5	442.6
147.5°	456.2	456.4	456.3	456.2	456.2	456.1	456.2	456.2	456.2	456.3	456.4
150°	465.4	465.5	465.4	465.3	465.2	465.1	465.1	465.1	465.1	465.1	465.2
152.5°	473.2	473.2	473.1	472.9	472.8	472.6	472.8	472.9	473.0	473.2	473.2
155°	483.8	483.7	483.5	483.2	482.9	482.7	483.0	483.4	483.7	484.1	484.1
157.5°	492.8	492.7	492.4	492.1	491.8	491.5	492.0	492.4	492.8	493.3	493.3
160°	497.7	497.5	497.4	497.3	497.2	497.1	497.7	498.2	498.7	499.2	499.2
162.5°	502.4	502.1	502.0	502.0	501.9	501.8	502.3	502.8	503.3	503.9	503.9
165°	508.2	508.1	508.1	508.1	508.1	508.1	508.8	509.5	510.1	510.8	510.7
167.5°	513.2	512.9	512.9	512.8	512.8	512.7	513.5	514.3	515.1	515.8	515.7
170°	515.7	515.5	515.6	515.7	515.7	515.8	516.5	517.2	517.9	518.7	518.6
172.5°	517.6	517.4	517.5	517.5	517.6	517.7	518.4	519.1	519.8	520.5	520.4
175°	519.6	519.4	519.5	519.6	519.7	519.8	520.6	521.3	522.1	522.9	522.7
177.5°	520.7	520.6	520.6	520.8	520.9	521.1	521.6	522.2	522.7	523.3	523.1
180°	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7



TEST NUMBER: P332775-935

CATALOG NUMBER: S124DIW-S795D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1053.3	1052.7	1050.1	1049.7	1050.1	1052.7	1053.3	1054.1	1055.2	1058.9	1054.5
5°	973.1	970.8	969.4	974.5	969.4	970.8	973.1	975.8	980.4	980.9	985.4
7.5°	912.5	910.7	906.6	905.4	906.6	910.7	912.5	914.2	918.8	922.7	929.4
10°	873.7	871.8	868.2	867.3	868.2	871.8	873.7	878.3	882.9	887.9	892.5
12.5°	836.3	832.7	831.9	832.8	831.9	832.7	836.3	842.4	854.3	854.2	855.1
15°	786.7	784.9	779.8	781.2	779.8	784.9	786.7	792.6	798.1	805.0	811.8
17.5°	737.8	735.6	729.4	734.9	729.4	735.6	737.8	741.0	748.0	757.8	768.1
20°	707.1	703.4	700.2	699.6	700.2	703.4	707.1	710.2	718.0	726.3	734.0
22.5°	677.7	674.4	674.2	671.1	674.2	674.4	677.7	682.8	690.5	695.1	702.5
25°	641.1	637.9	637.0	634.6	637.0	637.9	641.1	644.7	649.8	653.4	661.7
27.5°	612.9	611.4	609.8	610.4	609.8	611.4	612.9	613.5	615.7	620.5	625.3
30°	595.7	595.3	594.3	594.3	594.3	595.3	595.7	594.3	596.7	598.9	602.6
32.5°	581.4	581.3	581.9	581.9	581.9	581.3	581.4	579.4	580.1	581.0	582.8
35°	561.4	562.7	563.7	562.3	563.7	562.7	561.4	559.6	558.2	555.0	555.9
37.5°	543.3	544.7	546.0	547.5	546.0	544.7	543.3	539.5	536.2	533.4	530.1
40°	529.3	532.5	533.5	535.8	533.5	532.5	529.3	525.2	521.6	518.3	514.7
42.5°	516.2	519.7	522.1	522.5	522.1	519.7	516.2	512.0	506.5	502.6	497.5
45°	495.9	499.6	502.8	502.8	502.8	499.6	495.9	489.0	483.1	477.2	472.1
47.5°	474.9	480.3	483.5	484.3	483.5	480.3	474.9	467.9	459.6	452.2	445.0
50°	460.6	467.1	470.3	472.6	470.3	467.1	460.6	452.9	444.2	435.0	426.3
52.5°	446.8	453.1	457.4	458.7	457.4	453.1	446.8	437.1	426.6	416.7	409.1
55°	422.7	431.8	436.9	438.7	436.9	431.8	422.7	412.2	402.1	389.7	378.7
57.5°	399.9	408.4	414.2	415.6	414.2	408.4	399.9	387.5	374.5	361.4	349.7
60°	382.4	391.5	398.8	400.2	398.8	391.5	382.4	370.0	356.3	343.5	328.8
62.5°	364.4	373.9	380.6	384.1	380.6	373.9	364.4	351.3	336.5	322.2	307.5
65°	333.4	342.9	349.4	350.8	349.4	342.9	333.4	320.6	305.0	289.9	277.5
67.5°	299.5	309.1	313.3	316.0	313.3	309.1	299.5	287.4	272.0	256.3	242.3
70°	275.7	283.4	288.0	290.3	288.0	283.4	275.7	262.9	250.0	234.0	218.9
72.5°	248.6	256.7	262.0	262.4	262.0	256.7	248.6	237.5	224.0	209.1	195.8
75°	207.0	214.3	217.1	217.1	217.1	214.3	207.0	196.5	185.5	173.6	160.2
77.5°	163.8	167.6	171.1	171.8	171.1	167.6	163.8	156.3	147.1	135.3	125.3
80°	136.0	138.3	141.0	141.0	141.0	138.3	136.0	129.2	120.5	110.4	102.5
82.5°	107.5	109.3	112.1	111.8	112.1	109.3	107.5	102.0	94.8	88.0	80.9
85°	65.0	69.1	68.7	67.8	68.7	69.1	65.0	66.0	59.1	54.5	48.0
87.5°	31.5	31.9	33.1	33.8	33.1	31.9	31.5	30.4	27.0	25.1	23.5
90°	11.2	11.4	11.5	11.7	11.5	11.4	11.2	11.0	10.7	10.2	9.6
92.5°	10.7	10.7	10.8	10.8	10.8	10.7	10.7	10.6	10.3	9.8	9.3
95°	11.0	11.1	11.2	11.3	11.2	11.1	11.0	10.9	10.7	10.2	9.6
97.5°	10.7	10.8	10.8	10.9	10.8	10.8	10.7	10.6	10.5	10.4	10.4
100°	10.7	10.8	10.8	10.9	10.8	10.8	10.7	10.6	11.3	12.7	14.2
102.5°	11.2	11.2	11.2	11.3	11.2	11.2	11.2	11.2	19.1	35.0	50.9
105°	120.5	117.4	114.3	111.2	114.3	117.4	120.5	123.7	124.8	124.1	123.3
107.5°	154.0	154.3	154.6	155.0	154.6	154.3	154.0	153.7	153.3	152.9	152.6
110°	173.2	173.5	173.7	174.0	173.7	173.5	173.2	173.0	172.8	172.6	172.5



TEST NUMBER: P332775-935

CATALOG NUMBER: S124DIW-S795D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	192.1	192.4	192.8	193.0	192.8	192.4	192.1	191.7	191.6	191.7	191.7
115°	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.8	220.6	220.4
117.5°	249.2	249.2	249.2	249.1	249.2	249.2	249.2	249.3	249.3	249.3	249.3
120°	267.4	267.3	267.1	266.9	267.1	267.3	267.4	267.6	267.6	267.4	267.3
122.5°	284.9	284.7	284.6	284.4	284.6	284.7	284.9	285.1	285.1	285.0	284.9
125°	310.3	310.4	310.5	310.6	310.5	310.4	310.3	310.2	310.0	309.8	309.5
127.5°	333.8	333.7	333.7	333.6	333.7	333.7	333.8	333.9	334.0	334.0	334.1
130°	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.1	349.0
132.5°	363.8	363.8	363.7	363.6	363.7	363.8	363.8	363.9	363.9	363.8	363.7
135°	384.6	384.8	385.0	385.1	385.0	384.8	384.6	384.4	384.3	384.1	383.9
137.5°	403.7	403.6	403.6	403.6	403.6	403.6	403.7	403.7	403.7	403.5	403.3
140°	416.1	416.2	416.3	416.4	416.3	416.2	416.1	416.0	415.9	415.6	415.3
142.5°	426.9	427.0	427.0	427.0	427.0	427.0	426.9	426.9	426.8	426.6	426.4
145°	442.7	442.9	443.1	443.2	443.1	442.9	442.7	442.6	442.5	442.4	442.3
147.5°	456.5	456.6	456.7	456.8	456.7	456.6	456.5	456.4	456.3	456.2	456.2
150°	465.3	465.4	465.5	465.5	465.5	465.4	465.3	465.2	465.1	465.1	465.1
152.5°	473.2	473.1	473.0	473.0	473.0	473.1	473.2	473.2	473.2	473.0	472.9
155°	483.9	483.6	483.4	483.1	483.4	483.6	483.9	484.1	484.1	483.7	483.4
157.5°	492.8	492.4	492.0	491.5	492.0	492.4	492.8	493.3	493.3	492.8	492.4
160°	498.7	498.2	497.7	497.1	497.7	498.2	498.7	499.2	499.2	498.7	498.2
162.5°	503.3	502.7	502.0	501.5	502.0	502.7	503.3	503.9	503.9	503.3	502.8
165°	510.0	509.2	508.4	507.6	508.4	509.2	510.0	510.7	510.8	510.1	509.5
167.5°	514.9	514.0	513.2	512.3	513.2	514.0	514.9	515.7	515.8	515.1	514.3
170°	517.6	516.8	515.9	515.1	515.9	516.8	517.6	518.6	518.7	517.9	517.2
172.5°	519.4	518.5	517.5	516.6	517.5	518.5	519.4	520.4	520.5	519.8	519.1
175°	521.7	520.6	519.6	518.6	519.6	520.6	521.7	522.7	522.9	522.1	521.3
177.5°	522.4	521.5	520.6	519.9	520.6	521.5	522.4	523.1	523.3	522.7	522.2
180°	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7



TEST NUMBER: P332775-935

CATALOG NUMBER: S124DIW-S795D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1056.7	1058.2	1064.0	1069.5	1076.1	1080.9	1084.2	1087.8	1095.5	1101.7	1107.6
5°	990.0	992.3	1004.2	1012.4	1026.7	1039.0	1048.6	1059.1	1071.5	1088.5	1104.1
7.5°	931.3	939.8	952.8	966.2	980.7	996.9	1011.0	1026.8	1048.2	1071.4	1095.5
10°	897.9	907.6	921.4	936.9	950.6	969.4	986.8	1005.6	1029.8	1058.3	1086.7
12.5°	864.6	880.5	890.9	909.4	924.3	939.7	958.2	982.8	1011.2	1041.0	1075.3
15°	822.9	831.6	851.7	861.8	882.9	906.6	925.0	949.7	977.1	1016.6	1055.1
17.5°	774.7	786.2	802.2	821.4	845.6	864.2	887.0	912.4	947.0	986.2	1034.3
20°	743.2	752.8	772.5	793.6	819.2	838.9	863.2	887.9	923.6	965.3	1015.6
22.5°	715.0	724.3	745.0	764.7	789.5	813.6	839.0	867.7	902.0	945.9	997.3
25°	671.3	683.6	702.0	722.1	746.0	773.4	800.9	826.6	863.2	909.4	964.4
27.5°	632.6	642.5	655.7	678.6	705.7	732.2	759.5	791.7	826.9	875.8	932.9
30°	607.6	616.8	630.1	651.2	676.3	704.7	733.1	764.2	800.9	849.5	907.6
32.5°	587.9	594.9	606.7	625.5	648.5	678.4	706.4	738.7	777.1	824.9	881.6
35°	558.6	564.6	569.2	587.0	607.6	635.2	663.5	697.8	734.9	780.3	837.1
37.5°	529.9	532.0	538.7	550.4	570.4	595.6	622.0	655.8	693.8	739.9	791.1
40°	512.4	513.3	517.5	528.4	545.9	569.6	595.3	628.7	664.9	708.4	759.2
42.5°	495.2	494.6	498.4	506.1	522.4	544.0	569.3	599.8	635.9	676.1	724.0
45°	468.0	468.0	467.1	473.5	486.7	507.8	528.9	558.2	588.4	627.8	668.1
47.5°	439.6	437.0	437.8	441.2	452.3	469.7	490.9	514.9	541.6	574.9	610.2
50°	421.3	417.6	416.2	419.9	430.0	445.1	465.2	486.3	511.5	540.8	571.0
52.5°	401.1	397.4	395.0	397.5	406.9	420.9	439.2	457.7	480.4	504.2	530.4
55°	370.0	365.8	364.5	365.4	372.3	383.2	398.8	415.8	432.7	452.5	470.7
57.5°	339.3	332.5	331.2	330.8	335.5	345.6	358.6	373.3	385.6	397.5	417.1
60°	319.2	310.9	308.2	307.7	311.4	319.6	331.6	346.2	354.9	363.1	380.0
62.5°	297.6	289.6	283.6	284.3	287.6	295.4	305.9	316.5	322.3	331.2	342.7
65°	264.2	254.2	249.6	248.2	250.0	256.4	264.7	271.6	277.9	281.6	292.6
67.5°	230.9	222.5	215.7	214.0	213.2	217.6	224.4	228.5	233.1	236.3	242.8
70°	207.4	200.1	191.8	189.1	188.6	192.3	198.7	199.1	205.6	207.0	213.9
72.5°	184.3	175.2	169.5	166.8	164.9	168.2	172.4	173.6	177.0	179.5	183.0
75°	148.4	141.5	136.0	131.9	130.5	132.3	132.3	134.7	136.9	138.3	142.4
77.5°	116.8	108.9	102.4	100.0	98.3	97.2	98.2	99.5	98.4	100.8	101.8
80°	94.8	86.5	81.5	80.6	77.8	75.6	75.1	76.5	74.6	75.6	78.3
82.5°	73.2	67.8	62.4	61.6	58.0	56.9	56.4	55.6	55.6	55.4	56.0
85°	43.5	40.3	36.6	34.4	33.0	30.7	30.7	29.8	28.8	27.9	28.4
87.5°	19.4	18.6	16.6	15.3	14.5	12.9	12.7	11.5	10.8	10.3	9.7
90°	9.1	8.6	7.9	7.2	6.5	5.8	5.0	4.0	3.1	2.2	1.2
92.5°	8.8	8.3	7.6	6.9	6.2	5.5	5.2	5.1	5.0	5.0	4.9
95°	9.1	8.6	8.5	8.4	8.4	8.3	9.6	12.7	15.6	18.5	21.4
97.5°	10.3	10.3	20.0	29.6	39.3	49.0	53.0	51.1	49.2	47.4	45.5
100°	15.7	17.1	29.1	41.1	53.0	65.0	70.3	68.7	67.2	65.5	64.0
102.5°	66.8	82.7	84.3	85.8	87.4	88.9	89.2	88.0	86.9	85.8	84.6
105°	122.5	121.7	121.3	120.9	120.5	120.0	119.5	119.0	118.5	118.0	117.4
107.5°	152.1	151.8	151.2	150.6	150.0	149.5	149.0	148.8	148.5	148.3	148.0
110°	172.3	172.1	171.6	171.1	170.5	170.0	169.6	169.4	169.1	168.8	168.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	191.7	191.7	191.5	191.2	191.1	190.8	190.5	189.9	189.5	189.0	188.6
115°	220.2	220.1	220.2	220.2	220.3	220.4	220.3	220.1	219.8	219.6	219.3
117.5°	249.3	249.4	249.3	249.0	248.8	248.7	248.4	248.1	247.7	247.4	247.0
120°	267.1	266.9	267.0	267.1	267.2	267.3	267.1	266.7	266.4	266.0	265.7
122.5°	284.8	284.7	284.6	284.5	284.3	284.2	284.0	283.9	283.6	283.4	283.2
125°	309.3	309.0	309.2	309.4	309.5	309.7	309.6	309.3	308.9	308.6	308.2
127.5°	334.2	334.2	333.8	333.4	332.9	332.6	332.3	332.3	332.2	332.1	332.0
130°	349.0	348.9	348.6	348.4	348.1	347.8	347.7	347.6	347.5	347.3	347.2
132.5°	363.6	363.5	363.2	362.8	362.6	362.2	362.0	361.8	361.6	361.4	361.4
135°	383.7	383.6	383.2	382.9	382.5	382.2	382.0	382.1	382.2	382.3	382.4
137.5°	403.1	402.9	402.5	402.2	401.7	401.4	401.2	401.1	401.1	401.1	401.1
140°	415.1	414.8	414.7	414.5	414.2	414.1	413.9	413.7	413.5	413.4	413.2
142.5°	426.2	426.0	425.9	425.9	425.7	425.6	425.4	425.1	424.8	424.5	424.1
145°	442.2	442.1	442.1	442.1	442.1	442.1	442.0	441.7	441.4	441.2	440.9
147.5°	456.2	456.1	456.2	456.2	456.3	456.4	456.2	455.7	455.2	454.8	454.3
150°	465.1	465.1	465.2	465.3	465.4	465.5	465.4	465.0	464.7	464.3	464.0
152.5°	472.8	472.6	472.8	472.9	473.1	473.2	473.2	472.9	472.6	472.3	472.1
155°	483.0	482.7	482.9	483.2	483.5	483.7	483.8	483.7	483.6	483.5	483.5
157.5°	492.0	491.5	491.8	492.1	492.4	492.7	492.8	492.9	492.9	493.0	493.1
160°	497.7	497.1	497.2	497.3	497.4	497.5	497.7	497.9	498.2	498.4	498.7
162.5°	502.3	501.8	501.9	502.0	502.0	502.1	502.4	502.7	503.0	503.3	503.7
165°	508.8	508.1	508.1	508.1	508.1	508.1	508.2	508.7	509.1	509.5	510.0
167.5°	513.5	512.7	512.8	512.8	512.9	512.9	513.2	513.7	514.1	514.5	515.0
170°	516.5	515.8	515.7	515.7	515.6	515.5	515.7	516.3	516.8	517.3	517.8
172.5°	518.4	517.7	517.6	517.5	517.5	517.4	517.6	518.1	518.7	519.2	519.7
175°	520.6	519.8	519.7	519.6	519.5	519.4	519.6	520.1	520.6	521.2	521.7
177.5°	521.6	521.1	520.9	520.8	520.6	520.6	520.7	521.2	521.7	522.2	522.6
180°	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7



TEST NUMBER: P332775-935

CATALOG NUMBER: S124DIW-S795D470U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1112.8	1116.4	1121.2	1129.2	1132.1	1135.8	1140.9	1140.6	1142.0	1147.5	1159.3
5°	1116.9	1131.0	1144.8	1161.2	1178.7	1190.1	1205.7	1215.3	1224.9	1237.3	1258.4
7.5°	1118.5	1141.0	1166.2	1195.2	1220.9	1250.6	1273.8	1295.5	1315.2	1341.4	1366.4
10°	1115.9	1146.2	1178.7	1215.3	1254.2	1287.2	1317.0	1350.8	1379.7	1411.3	1439.7
12.5°	1111.2	1147.6	1191.1	1232.2	1277.6	1326.4	1363.5	1397.7	1436.1	1472.5	1516.2
15°	1100.4	1150.3	1201.1	1255.2	1316.0	1372.3	1425.9	1470.3	1511.6	1566.1	1623.3
17.5°	1086.7	1140.5	1204.6	1270.0	1333.6	1398.0	1464.3	1531.1	1583.1	1650.8	1695.6
20°	1073.8	1136.1	1202.0	1279.9	1343.5	1423.7	1489.6	1554.2	1625.6	1692.9	1746.5
22.5°	1055.8	1124.0	1193.9	1271.4	1355.2	1435.4	1511.6	1581.7	1653.0	1726.2	1791.1
25°	1033.0	1094.8	1177.8	1265.7	1349.0	1436.0	1523.5	1611.4	1688.3	1765.7	1826.2
27.5°	994.2	1072.3	1149.4	1240.2	1332.8	1431.2	1524.7	1616.8	1697.4	1761.0	1798.5
30°	974.5	1042.2	1126.0	1217.1	1317.4	1423.2	1520.7	1610.9	1686.0	1736.9	1752.0
32.5°	945.1	1015.1	1097.1	1191.5	1297.6	1406.4	1507.9	1593.0	1655.6	1682.3	1664.1
35°	901.6	964.8	1047.7	1144.4	1254.6	1370.5	1470.8	1542.7	1574.8	1549.5	1486.9
37.5°	849.5	912.1	995.3	1090.2	1204.4	1322.2	1412.8	1464.6	1454.0	1391.3	1297.8
40°	812.8	871.4	950.6	1053.2	1164.5	1282.6	1362.3	1390.3	1360.9	1271.2	1171.8
42.5°	772.1	829.3	908.9	1007.8	1125.7	1234.6	1304.1	1306.3	1257.2	1150.0	1050.2
45°	710.2	764.7	839.8	942.9	1051.8	1154.4	1200.1	1177.8	1087.1	983.6	883.3
47.5°	649.1	696.4	770.4	868.2	971.7	1058.1	1080.7	1040.3	943.7	843.3	750.4
50°	604.4	652.0	721.7	815.1	914.9	989.5	1000.6	946.9	852.2	751.0	678.2
52.5°	561.5	608.8	675.9	762.3	853.8	921.0	921.4	859.5	765.0	674.8	607.1
55°	498.7	541.2	601.7	679.1	760.6	813.2	800.5	736.3	654.4	576.1	516.9
57.5°	438.1	475.1	530.8	595.4	667.2	710.6	689.3	627.6	554.4	488.0	443.2
60°	398.8	434.1	481.7	542.6	603.0	637.0	616.8	560.9	493.6	440.1	401.1
62.5°	360.8	390.5	436.3	489.1	545.2	570.3	552.3	497.2	439.0	390.6	359.0
65°	306.8	331.1	367.7	413.0	453.8	475.3	460.2	408.9	364.5	329.7	304.5
67.5°	256.4	275.3	303.2	339.5	374.1	385.7	372.0	336.3	298.7	270.8	253.0
70°	221.6	239.5	262.9	290.8	321.0	333.4	319.6	291.2	260.5	234.9	217.5
72.5°	191.2	205.1	224.7	248.7	272.2	284.6	275.3	248.0	222.1	203.0	188.2
75°	145.6	157.6	171.3	188.2	206.6	214.7	206.6	187.8	169.9	155.7	145.2
77.5°	105.9	112.3	122.9	135.5	147.0	153.3	146.2	133.5	122.5	112.8	107.6
80°	80.6	85.2	92.5	102.5	110.4	116.3	111.8	101.2	92.5	86.1	83.8
82.5°	58.6	61.7	66.5	74.0	79.2	82.2	80.2	72.6	69.1	63.4	61.0
85°	28.8	30.7	33.9	36.2	40.7	41.2	41.7	38.5	35.3	33.9	32.0
87.5°	10.3	10.8	12.1	13.4	15.1	15.6	15.3	15.5	14.2	13.9	12.6
90°	2.2	3.1	4.0	5.0	5.8	6.5	7.2	7.9	8.6	9.1	9.6
92.5°	5.0	5.0	5.1	5.2	5.5	6.2	6.9	7.6	8.3	8.8	9.3
95°	18.5	15.6	12.7	9.6	8.3	8.4	8.4	8.5	8.6	9.1	9.6
97.5°	47.4	49.2	51.1	53.0	49.0	39.3	29.6	20.0	10.3	10.3	10.4
100°	65.5	67.2	68.7	70.3	65.0	53.0	41.1	29.1	17.1	15.7	14.2
102.5°	85.8	86.9	88.0	89.2	88.9	87.4	85.8	84.3	82.7	66.8	50.9
105°	118.0	118.5	119.0	119.5	120.0	120.5	120.9	121.3	121.7	122.5	123.3
107.5°	148.3	148.5	148.8	149.0	149.5	150.0	150.6	151.2	151.8	152.1	152.6
110°	168.8	169.1	169.4	169.6	170.0	170.5	171.1	171.6	172.1	172.3	172.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	189.0	189.5	189.9	190.5	190.8	191.1	191.2	191.5	191.7	191.7	191.7
115°	219.6	219.8	220.1	220.3	220.4	220.3	220.2	220.2	220.1	220.2	220.4
117.5°	247.4	247.7	248.1	248.4	248.7	248.8	249.0	249.3	249.4	249.3	249.3
120°	266.0	266.4	266.7	267.1	267.3	267.2	267.1	267.0	266.9	267.1	267.3
122.5°	283.4	283.6	283.9	284.0	284.2	284.3	284.5	284.6	284.7	284.8	284.9
125°	308.6	308.9	309.3	309.6	309.7	309.5	309.4	309.2	309.0	309.3	309.5
127.5°	332.1	332.2	332.3	332.3	332.6	332.9	333.4	333.8	334.2	334.2	334.1
130°	347.3	347.5	347.6	347.7	347.8	348.1	348.4	348.6	348.9	349.0	349.0
132.5°	361.4	361.6	361.8	362.0	362.2	362.6	362.8	363.2	363.5	363.6	363.7
135°	382.3	382.2	382.1	382.0	382.2	382.5	382.9	383.2	383.6	383.7	383.9
137.5°	401.1	401.1	401.1	401.2	401.4	401.7	402.2	402.5	402.9	403.1	403.3
140°	413.4	413.5	413.7	413.9	414.1	414.2	414.5	414.7	414.8	415.1	415.3
142.5°	424.5	424.8	425.1	425.4	425.6	425.7	425.9	425.9	426.0	426.2	426.4
145°	441.2	441.4	441.7	442.0	442.1	442.1	442.1	442.1	442.1	442.2	442.3
147.5°	454.8	455.2	455.7	456.2	456.4	456.3	456.2	456.2	456.1	456.2	456.2
150°	464.3	464.7	465.0	465.4	465.5	465.4	465.3	465.2	465.1	465.1	465.1
152.5°	472.3	472.6	472.9	473.2	473.2	473.1	472.9	472.8	472.6	472.8	472.9
155°	483.5	483.6	483.7	483.8	483.7	483.5	483.2	482.9	482.7	483.0	483.4
157.5°	493.0	492.9	492.9	492.8	492.7	492.4	492.1	491.8	491.5	492.0	492.4
160°	498.4	498.2	497.9	497.7	497.5	497.4	497.3	497.2	497.1	497.7	498.2
162.5°	503.3	503.0	502.7	502.4	502.1	502.0	502.0	501.9	501.8	502.3	502.8
165°	509.5	509.1	508.7	508.2	508.1	508.1	508.1	508.1	508.1	508.8	509.5
167.5°	514.5	514.1	513.7	513.2	512.9	512.9	512.8	512.8	512.7	513.5	514.3
170°	517.3	516.8	516.3	515.7	515.5	515.6	515.7	515.7	515.8	516.5	517.2
172.5°	519.2	518.7	518.1	517.6	517.4	517.5	517.5	517.6	517.7	518.4	519.1
175°	521.2	520.6	520.1	519.6	519.4	519.5	519.6	519.7	519.8	520.6	521.3
177.5°	522.2	521.7	521.2	520.7	520.6	520.6	520.8	520.9	521.1	521.6	522.2
180°	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7	521.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1165.1	1165.9	1169.2	1171.7	1172.4	1176.1	1176.5
5°	1267.5	1275.3	1290.4	1291.8	1294.1	1306.0	1296.8
7.5°	1387.5	1407.2	1420.5	1432.1	1436.3	1441.5	1440.5
10°	1464.4	1493.7	1508.4	1531.7	1532.7	1538.6	1534.9
12.5°	1541.7	1575.8	1602.5	1606.8	1626.4	1629.4	1634.6
15°	1651.2	1687.4	1724.5	1737.8	1764.8	1771.2	1781.3
17.5°	1754.2	1791.1	1817.1	1851.5	1862.6	1877.4	1867.3
20°	1810.6	1850.9	1883.9	1910.9	1922.4	1930.5	1929.7
22.5°	1844.7	1885.3	1912.0	1932.5	1943.2	1946.7	1946.5
25°	1866.0	1889.4	1897.6	1905.4	1893.5	1889.4	1891.2
27.5°	1806.6	1800.6	1779.1	1750.8	1721.6	1698.3	1685.7
30°	1724.9	1689.3	1656.7	1599.9	1570.6	1553.2	1537.7
32.5°	1609.2	1552.6	1490.0	1438.0	1404.7	1378.9	1375.0
35°	1410.8	1325.7	1249.2	1185.5	1152.5	1124.6	1118.2
37.5°	1199.5	1110.9	1042.2	986.1	950.6	930.9	912.5
40°	1059.1	983.2	915.3	867.7	840.8	826.6	815.1
42.5°	951.1	881.7	814.2	778.0	753.5	744.9	738.1
45°	801.8	737.3	690.5	663.1	648.8	634.2	627.3
47.5°	682.3	629.7	598.9	575.6	560.4	551.7	547.3
50°	614.5	571.4	544.0	526.2	512.4	505.5	501.9
52.5°	554.4	519.1	496.0	481.8	472.5	467.4	466.0
55°	477.6	450.6	435.9	423.6	416.7	412.2	410.3
57.5°	415.2	394.3	382.5	372.3	369.6	365.8	364.5
60°	374.1	358.1	348.0	341.1	338.9	334.2	335.2
62.5°	337.9	324.8	316.2	312.2	309.2	305.3	306.6
65°	285.8	276.1	271.6	267.9	264.2	261.9	263.7
67.5°	239.8	233.2	227.0	224.8	223.0	222.7	220.7
70°	209.7	204.2	198.7	197.3	197.3	195.5	195.1
72.5°	180.8	176.8	173.1	172.1	170.7	171.3	169.4
75°	139.7	136.5	135.1	133.7	133.3	133.3	131.9
77.5°	103.2	100.8	98.7	98.7	96.9	96.3	96.2
80°	78.3	77.4	75.6	75.6	74.6	75.1	74.2
82.5°	58.9	57.6	57.3	56.5	55.2	55.3	54.4
85°	31.6	30.2	29.8	28.4	27.5	28.4	27.5
87.5°	13.0	12.7	12.5	11.8	11.5	11.5	10.4
90°	10.2	10.7	11.0	11.2	11.4	11.5	11.7
92.5°	9.8	10.3	10.6	10.7	10.7	10.8	10.8
95°	10.2	10.7	10.9	11.0	11.1	11.2	11.3
97.5°	10.4	10.5	10.6	10.7	10.8	10.8	10.9
100°	12.7	11.3	10.6	10.7	10.8	10.8	10.9
102.5°	35.0	19.1	11.2	11.2	11.2	11.2	11.3
105°	124.1	124.8	123.7	120.5	117.4	114.3	111.2
107.5°	152.9	153.3	153.7	154.0	154.3	154.6	155.0
110°	172.6	172.8	173.0	173.2	173.5	173.7	174.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	191.7	191.6	191.7	192.1	192.4	192.8	193.0
115°	220.6	220.8	220.8	220.8	220.8	220.8	220.8
117.5°	249.3	249.3	249.3	249.2	249.2	249.2	249.1
120°	267.4	267.6	267.6	267.4	267.3	267.1	266.9
122.5°	285.0	285.1	285.1	284.9	284.7	284.6	284.4
125°	309.8	310.0	310.2	310.3	310.4	310.5	310.6
127.5°	334.0	334.0	333.9	333.8	333.7	333.7	333.6
130°	349.1	349.2	349.2	349.2	349.2	349.2	349.2
132.5°	363.8	363.9	363.9	363.8	363.8	363.7	363.6
135°	384.1	384.3	384.4	384.6	384.8	385.0	385.1
137.5°	403.5	403.7	403.7	403.7	403.6	403.6	403.6
140°	415.6	415.9	416.0	416.1	416.2	416.3	416.4
142.5°	426.6	426.8	426.9	426.9	427.0	427.0	427.0
145°	442.4	442.5	442.6	442.7	442.9	443.1	443.2
147.5°	456.2	456.3	456.4	456.5	456.6	456.7	456.8
150°	465.1	465.1	465.2	465.3	465.4	465.5	465.5
152.5°	473.0	473.2	473.2	473.2	473.1	473.0	473.0
155°	483.7	484.1	484.1	483.9	483.6	483.4	483.1
157.5°	492.8	493.3	493.3	492.8	492.4	492.0	491.5
160°	498.7	499.2	499.2	498.7	498.2	497.7	497.1
162.5°	503.3	503.9	503.9	503.3	502.7	502.0	501.5
165°	510.1	510.8	510.7	510.0	509.2	508.4	507.6
167.5°	515.1	515.8	515.7	514.9	514.0	513.2	512.3
170°	517.9	518.7	518.6	517.6	516.8	515.9	515.1
172.5°	519.8	520.5	520.4	519.4	518.5	517.5	516.6
175°	522.1	522.9	522.7	521.7	520.6	519.6	518.6
177.5°	522.7	523.3	523.1	522.4	521.5	520.6	519.9
180°	521.7	521.7	521.7	521.7	521.7	521.7	521.7

(END OF REPORT)