

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: P332782-840

Luminaire Tested: **S124DIW-S795D770U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332782-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIW-S795D770U840-4F0-1E-UDD-A1  
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6268.8 lumens  
Efficiency: N/A  
Efficacy: 139.3 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: General Diffuse

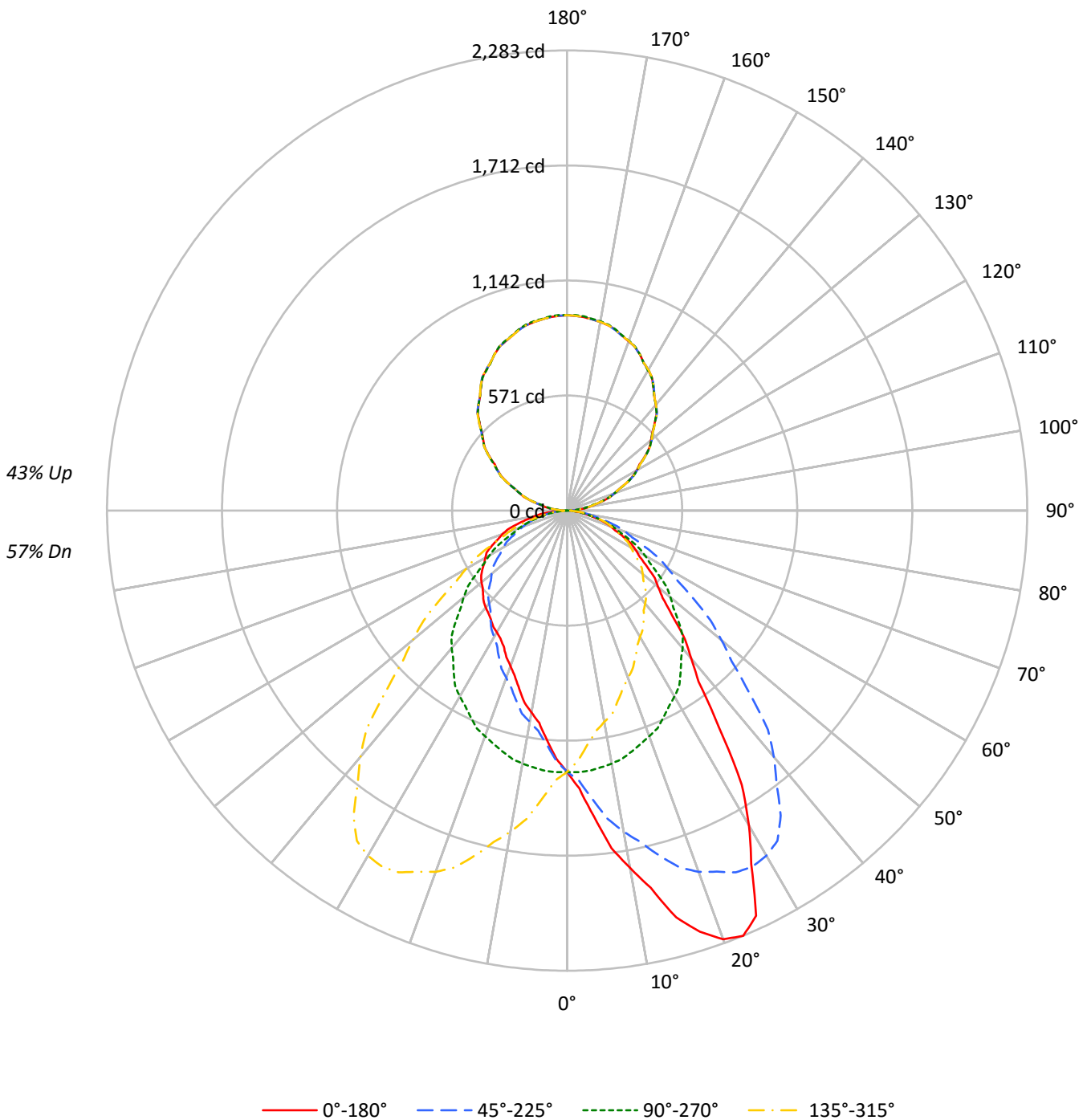
Input Watts (W): 45  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	63	63	63	57
1	100	95	91	88	93	89	86	83	77	74	72	66	64	63	56	55	53	49
2	91	84	77	72	84	78	73	68	68	64	60	58	55	53	49	47	45	41
3	83	74	66	61	77	69	63	57	60	55	51	52	48	45	44	41	39	35
4	76	65	58	52	71	61	54	49	53	48	44	46	42	39	39	36	34	30
5	70	58	50	44	65	55	48	42	48	42	38	42	37	34	36	32	30	27
6	65	53	44	39	60	49	42	37	43	38	33	38	33	30	32	29	26	23
7	60	48	40	34	56	45	38	32	39	34	29	34	30	26	30	26	23	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	27	24	21	19
9	52	40	32	27	48	37	30	26	33	27	23	29	24	21	25	22	19	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15

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

	0°	90°	180°	270°
0°	10467	10467	10467	10467
5°	12327	10494	9263	10494
10°	14758	10449	8338	10449
15°	17462	10343	7658	10343
20°	19444	10234	7050	10234
25°	19759	10075	6631	10075
30°	16812	9923	6498	9923
35°	12925	9676	6500	9676
40°	10075	9385	6622	9385
45°	8401	8947	6734	8947
50°	7394	8411	6962	8411
55°	6773	7771	7241	7771
60°	6347	7198	7579	7198
65°	5908	6556	7859	6556
70°	5401	5922	8037	5922
75°	4825	5209	7941	5209
80°	4049	4268	7689	4268
85°	2983	3084	7364	3084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.3	2.0
10°-20°	389.3	6.2
20°-30°	617.4	9.8
30°-40°	687.1	11.0
40°-50°	625.4	10.0
50°-60°	511.1	8.2
60°-70°	364.8	5.8
70°-80°	200.9	3.2
80°-90°	57.8	0.9
90°-100°	63.9	1.0
100°-110°	189.3	3.0
110°-120°	321.4	5.1
120°-130°	423.8	6.8
130°-140°	475.9	7.6
140°-150°	467.7	7.5
150°-160°	393.4	6.3
160°-170°	261.7	4.2
170°-180°	91.6	1.5
0°-30°	1133.0	18.1
0°-40°	1820.1	29.0
0°-60°	2956.5	47.2
0°-90°	3580.1	57.1
90°-120°	574.6	9.2
90°-150°	1942.0	31.0
90°-180°	2689.0	42.9
0°-180°	6268.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1297	1297	1297	1297	1297	
5°	1521	1295	1143	1295	1521	155
15°	2089	1238	916	1238	2089	590
25°	2218	1131	744	1131	2218	978
35°	1312	982	660	982	1312	832
45°	736	784	590	784	736	580
55°	481	552	514	552	481	435
65°	309	343	411	343	309	306
75°	155	167	255	167	155	164
85°	32	33	80	33	32	40
90°	22	2	22	2	22	13
95°	59	45	59	45	59	62
105°	183	175	183	175	183	193
115°	324	327	324	327	324	320
125°	472	476	472	476	472	421
135°	615	614	615	614	615	475
145°	746	746	746	746	746	467
155°	854	854	854	854	854	393
165°	928	930	928	930	928	261
175°	963	968	963	968	963	91
180°	969	969	969	969	969	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1379.9	1379.5	1375.1	1374.3	1371.3	1367.5	1366.5	1359.7	1345.9	1339.5	1337.8
5°	1521.1	1531.8	1517.8	1515.1	1513.5	1495.8	1486.6	1475.9	1451.2	1436.7	1425.4
7.5°	1689.5	1690.7	1684.7	1679.7	1666.1	1650.5	1627.4	1602.7	1573.3	1542.6	1519.5
10°	1800.3	1804.6	1797.7	1796.5	1769.2	1752.0	1717.6	1688.6	1655.3	1618.2	1584.4
12.5°	1917.2	1911.2	1907.6	1884.6	1879.6	1848.3	1808.3	1778.4	1727.1	1684.5	1639.4
15°	2089.3	2077.5	2069.9	2038.2	2022.7	1979.1	1936.7	1904.0	1836.8	1772.9	1724.5
17.5°	2190.2	2202.0	2184.6	2171.6	2131.3	2100.8	2057.5	1988.7	1936.2	1856.8	1795.8
20°	2263.3	2264.3	2254.7	2241.3	2209.6	2170.9	2123.6	2048.4	1985.6	1906.6	1822.9
22.5°	2283.0	2283.3	2279.2	2266.6	2242.6	2211.3	2163.6	2100.8	2024.7	1938.8	1855.1
25°	2218.2	2216.0	2220.9	2234.8	2225.6	2216.0	2188.6	2141.9	2071.0	1980.2	1890.0
27.5°	1977.1	1992.0	2019.2	2053.6	2086.7	2111.9	2119.0	2109.4	2065.5	1990.8	1896.3
30°	1803.5	1821.8	1842.2	1876.5	1943.2	1981.4	2023.2	2054.9	2037.2	1977.5	1889.5
32.5°	1612.8	1617.3	1647.6	1686.7	1747.7	1821.1	1887.4	1951.8	1973.2	1941.9	1868.5
35°	1311.5	1319.1	1351.8	1390.5	1465.2	1554.9	1654.8	1743.9	1817.5	1847.0	1809.5
37.5°	1070.3	1091.9	1115.0	1156.6	1222.3	1303.0	1406.8	1522.2	1631.8	1705.4	1717.8
40°	956.0	969.5	986.1	1017.7	1073.6	1153.2	1242.2	1374.4	1491.0	1596.2	1630.6
42.5°	865.8	873.6	883.8	912.5	955.0	1034.1	1115.5	1231.7	1348.8	1474.6	1532.2
45°	735.8	743.9	761.0	777.7	809.9	864.7	940.4	1036.0	1153.7	1275.1	1381.4
47.5°	642.0	647.1	657.3	675.1	702.5	738.6	800.2	880.1	989.1	1106.9	1220.2
50°	588.7	592.9	601.0	617.1	638.0	670.2	720.7	795.5	880.8	999.6	1110.6
52.5°	546.5	548.3	554.2	565.1	581.8	608.8	650.3	712.1	791.4	897.3	1008.0
55°	481.2	483.4	488.8	496.9	511.3	528.5	560.2	606.3	675.7	767.5	863.6
57.5°	427.5	429.0	433.5	436.7	448.6	462.5	487.0	519.9	572.4	650.3	736.1
60°	393.1	392.0	397.5	400.1	408.2	420.0	438.8	470.5	516.1	579.0	657.9
62.5°	359.6	358.1	362.6	366.2	370.8	380.9	396.3	421.1	458.2	514.9	583.2
65°	309.3	307.2	309.9	314.2	318.5	323.9	335.2	357.2	386.7	427.5	479.6
67.5°	258.8	261.2	261.6	263.7	266.2	273.5	281.2	296.8	317.6	350.3	394.5
70°	228.8	229.3	231.5	231.5	233.1	239.5	246.0	255.1	275.5	305.6	341.5
72.5°	198.7	201.0	200.2	201.9	203.0	207.3	212.1	220.8	238.1	260.4	290.8
75°	154.7	156.3	156.3	156.8	158.4	160.1	163.8	170.3	182.6	199.2	220.3
77.5°	112.8	113.0	113.7	115.7	115.7	118.3	121.1	126.2	132.3	143.7	156.5
80°	87.1	88.1	87.6	88.7	88.7	90.8	91.8	98.3	101.0	108.5	118.7
82.5°	63.8	64.8	64.7	66.2	67.2	67.6	69.1	71.6	74.3	81.0	85.1
85°	32.2	33.3	32.2	33.3	34.9	35.4	37.1	37.6	39.8	41.4	45.1
87.5°	13.9	15.1	15.1	15.5	16.3	16.6	16.8	16.2	17.7	17.9	19.4
90°	22.5	22.1	21.8	21.5	21.1	20.5	19.5	18.5	17.5	16.5	15.1
92.5°	33.3	33.1	32.9	32.7	32.5	32.1	31.5	30.9	30.3	29.7	28.8
95°	59.2	59.2	59.2	59.2	59.2	59.0	58.5	58.0	57.5	57.0	55.8
97.5°	92.8	92.8	92.8	92.8	92.8	92.5	91.9	91.3	90.7	90.1	88.8
100°	116.1	116.1	116.1	116.1	116.1	116.0	115.6	115.3	115.0	114.7	113.2
102.5°	142.6	142.4	142.3	142.2	142.0	141.7	141.3	140.8	140.4	139.9	138.5
105°	182.9	182.4	181.9	181.4	180.9	180.4	179.9	179.4	178.8	178.3	177.7
107.5°	222.2	222.2	222.3	222.3	222.3	222.1	221.6	221.2	220.7	220.3	220.2
110°	250.3	249.8	249.3	248.8	248.3	248.2	248.6	248.9	249.2	249.5	249.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	279.1	279.0	278.9	278.8	278.7	278.7	278.7	278.8	278.9	278.9	279.2
115°	323.8	324.0	324.2	324.3	324.5	324.6	324.8	325.0	325.1	325.3	325.6
117.5°	366.4	366.7	367.0	367.4	367.7	368.1	368.7	369.3	369.8	370.4	370.6
120°	398.7	398.4	398.1	397.8	397.4	397.7	398.5	399.3	400.1	401.0	401.5
122.5°	425.8	426.4	426.9	427.5	428.1	428.7	429.3	429.8	430.4	431.0	431.2
125°	472.2	472.5	472.8	473.2	473.5	473.8	474.2	474.5	474.8	475.1	475.3
127.5°	515.2	515.4	515.7	516.0	516.2	516.5	516.9	517.3	517.6	518.0	518.2
130°	543.4	544.0	544.7	545.4	546.0	546.5	546.8	547.2	547.5	547.9	547.9
132.5°	573.4	573.6	573.9	574.2	574.4	574.7	575.1	575.4	575.7	576.0	576.2
135°	614.6	615.1	615.6	616.1	616.6	617.0	617.3	617.6	618.0	618.3	618.3
137.5°	657.9	657.8	657.7	657.6	657.5	657.7	658.1	658.5	658.9	659.4	659.1
140°	684.3	684.5	684.6	684.8	685.0	685.1	685.3	685.5	685.6	685.8	685.8
142.5°	710.6	710.7	710.7	710.7	710.8	710.8	710.8	710.9	710.9	710.9	711.1
145°	746.5	747.0	747.5	748.0	748.5	748.8	749.0	749.2	749.3	749.5	749.3
147.5°	782.7	782.9	783.2	783.3	783.5	783.6	783.8	783.9	784.0	784.2	784.3
150°	805.0	805.2	805.3	805.5	805.7	805.8	805.8	805.8	805.8	805.8	805.8
152.5°	825.4	825.8	826.3	826.7	827.1	827.1	826.7	826.3	825.9	825.5	825.4
155°	853.7	854.3	855.1	855.7	856.4	856.4	855.7	855.1	854.3	853.7	853.8
157.5°	879.0	879.6	880.2	880.7	881.3	881.3	880.8	880.3	879.8	879.3	879.4
160°	893.4	894.2	895.0	896.0	896.8	897.0	896.5	896.0	895.4	894.9	895.0
162.5°	908.4	909.3	910.1	910.9	911.7	911.7	910.8	909.9	909.0	908.1	908.3
165°	927.9	928.6	929.2	929.9	930.6	930.4	929.4	928.4	927.4	926.3	926.8
167.5°	941.8	942.9	943.9	944.9	945.9	945.9	944.9	944.0	943.0	942.0	941.9
170°	949.7	950.8	952.0	953.1	954.3	954.4	953.4	952.4	951.4	950.4	950.2
172.5°	956.2	957.4	958.6	959.7	960.9	960.9	959.8	958.7	957.6	956.3	956.3
175°	963.1	964.3	965.4	966.6	967.8	967.8	966.6	965.4	964.3	963.1	963.3
177.5°	966.7	967.8	968.9	969.9	971.0	971.1	970.1	969.2	968.3	967.3	967.3
180°	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1338.2	1332.2	1327.9	1324.4	1315.0	1309.4	1305.1	1299.1	1292.2	1285.0	1275.9
5°	1414.1	1395.8	1382.5	1362.0	1342.7	1326.6	1310.0	1294.9	1276.7	1256.8	1242.2
7.5°	1494.0	1466.8	1432.0	1401.8	1367.9	1338.3	1311.9	1284.9	1256.7	1229.4	1204.4
10°	1544.7	1509.7	1471.1	1425.4	1382.5	1344.3	1308.9	1274.6	1241.2	1207.9	1179.4
12.5°	1599.2	1555.7	1498.5	1445.2	1397.0	1346.0	1303.3	1261.2	1221.0	1186.0	1152.8
15°	1672.4	1609.6	1543.6	1472.2	1408.8	1349.2	1290.6	1237.5	1192.3	1146.1	1113.9
17.5°	1717.5	1639.7	1564.2	1489.6	1412.9	1337.7	1274.6	1213.2	1156.7	1110.8	1070.2
20°	1747.2	1669.8	1575.8	1501.2	1409.9	1332.5	1259.5	1191.2	1132.2	1083.3	1041.4
22.5°	1772.9	1683.5	1589.5	1491.3	1400.4	1318.4	1238.4	1169.7	1109.4	1057.9	1017.7
25°	1786.9	1684.3	1582.3	1484.5	1381.4	1284.1	1211.6	1131.1	1066.6	1012.4	969.5
27.5°	1788.4	1678.7	1563.3	1454.6	1348.2	1257.7	1166.1	1094.2	1027.2	969.9	928.6
30°	1783.6	1669.3	1545.2	1427.5	1320.7	1222.4	1143.0	1064.5	996.3	939.4	896.4
32.5°	1768.6	1649.5	1522.0	1397.5	1286.8	1190.6	1108.5	1034.0	967.6	911.4	866.4
35°	1725.2	1607.5	1471.6	1342.2	1228.8	1131.7	1057.5	981.8	915.2	862.0	818.5
37.5°	1657.1	1550.7	1412.6	1278.7	1167.4	1069.8	996.3	927.9	867.8	813.7	769.2
40°	1597.8	1504.4	1365.8	1235.3	1115.0	1022.1	953.3	890.5	830.9	779.8	737.4
42.5°	1529.5	1448.0	1320.3	1182.0	1066.0	972.7	905.6	849.2	793.0	745.9	703.5
45°	1407.7	1354.0	1233.7	1105.9	985.0	897.0	833.0	783.7	736.4	690.1	654.7
47.5°	1267.6	1241.0	1139.7	1018.3	903.6	816.8	761.3	715.7	674.3	635.2	603.9
50°	1173.6	1160.6	1073.1	956.0	846.5	764.8	708.9	669.7	634.3	600.0	570.4
52.5°	1080.8	1080.3	1001.4	894.1	792.7	714.1	658.6	622.1	591.4	563.4	536.8
55°	938.9	953.8	892.1	796.5	705.7	634.8	584.9	552.1	530.7	507.6	487.7
57.5°	808.5	833.4	782.5	698.3	622.6	557.2	513.8	489.2	466.3	452.3	437.9
60°	723.5	747.1	707.3	636.4	565.0	509.2	467.8	445.8	425.9	416.3	406.1
62.5°	647.8	668.9	639.4	573.7	511.7	458.1	423.1	401.9	388.5	378.0	371.2
65°	539.8	557.4	532.3	484.4	431.3	388.3	359.8	343.2	330.3	326.0	318.5
67.5°	436.4	452.4	438.8	398.2	355.6	323.0	300.7	284.8	277.1	273.4	268.0
70°	374.9	391.0	376.5	341.0	308.3	280.9	259.9	250.9	242.8	241.2	233.6
72.5°	322.9	333.9	319.3	291.6	263.6	240.5	224.3	214.7	210.6	207.6	203.6
75°	242.3	251.9	242.3	220.8	200.9	184.8	170.8	167.0	162.2	160.6	157.9
77.5°	171.5	179.9	172.4	159.0	144.1	131.7	124.2	119.4	118.3	115.4	116.7
80°	131.1	136.4	129.5	120.3	108.5	99.9	94.5	91.8	88.7	87.6	89.7
82.5°	94.1	96.4	92.9	86.7	78.0	72.4	68.8	65.6	65.0	65.2	65.2
85°	48.9	48.4	47.8	42.4	39.8	36.0	33.8	33.3	32.7	33.8	34.9
87.5°	19.1	19.3	18.6	16.6	14.8	13.2	12.4	11.6	12.4	13.2	14.0
90°	13.8	12.5	11.2	9.6	7.8	6.0	4.0	2.2	4.0	6.0	7.8
92.5°	27.8	26.9	26.0	24.4	22.3	20.2	18.2	16.1	18.2	20.2	22.3
95°	54.6	53.4	52.3	51.0	49.5	48.0	46.5	44.9	46.5	48.0	49.5
97.5°	87.4	86.0	84.6	83.3	82.1	81.0	79.8	78.6	79.8	81.0	82.1
100°	111.7	110.2	108.7	107.6	106.9	106.2	105.6	104.9	105.6	106.2	106.9
102.5°	137.1	135.7	134.4	133.6	133.3	133.0	132.8	132.5	132.8	133.0	133.3
105°	177.0	176.4	175.7	175.3	175.1	175.0	174.8	174.6	174.8	175.0	175.1
107.5°	220.0	219.9	219.8	219.6	219.4	219.2	219.0	218.8	219.0	219.2	219.4
110°	249.9	250.0	250.2	250.1	249.8	249.5	249.1	248.8	249.1	249.5	249.8





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	279.5	279.8	280.1	280.2	280.2	280.1	280.0	280.0	280.0	280.1	280.2
115°	326.0	326.3	326.6	326.8	326.8	326.8	326.8	326.8	326.8	326.8	326.8
117.5°	370.9	371.1	371.3	371.4	371.2	371.1	371.0	370.8	371.0	371.1	371.2
120°	402.0	402.5	402.9	402.9	402.2	401.5	400.9	400.2	400.9	401.5	402.2
122.5°	431.4	431.7	431.9	431.9	431.6	431.3	431.1	430.8	431.1	431.3	431.6
125°	475.5	475.6	475.8	475.9	475.9	475.9	475.9	475.9	475.9	475.9	475.9
127.5°	518.5	518.7	519.0	518.9	518.4	517.9	517.4	516.8	517.4	517.9	518.4
130°	547.9	547.9	547.9	547.6	547.1	546.6	546.1	545.6	546.1	546.6	547.1
132.5°	576.3	576.4	576.6	576.5	576.1	575.7	575.4	575.0	575.4	575.7	576.1
135°	618.3	618.3	618.3	617.8	616.8	615.8	614.8	613.9	614.8	615.8	616.8
137.5°	658.8	658.6	658.3	658.0	657.5	657.0	656.6	656.1	656.6	657.0	657.5
140°	685.8	685.8	685.8	685.6	685.3	685.0	684.6	684.3	684.6	685.0	685.3
142.5°	711.2	711.3	711.6	711.4	711.0	710.7	710.4	710.0	710.4	710.7	711.0
145°	749.2	749.0	748.8	748.4	747.8	747.1	746.4	745.8	746.4	747.1	747.8
147.5°	784.4	784.6	784.7	784.4	783.6	782.7	781.9	781.1	781.9	782.7	783.6
150°	805.8	805.8	805.8	805.4	804.8	804.1	803.3	802.7	803.3	804.1	804.8
152.5°	825.3	825.1	825.0	824.8	824.4	823.9	823.5	823.1	823.5	823.9	824.4
155°	854.0	854.1	854.3	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4
157.5°	879.4	879.4	879.5	879.6	879.9	880.2	880.5	880.8	880.5	880.2	879.9
160°	895.2	895.4	895.5	895.8	896.0	896.1	896.3	896.5	896.3	896.1	896.0
162.5°	908.5	908.6	908.8	909.1	909.5	909.9	910.4	910.8	910.4	909.9	909.5
165°	927.1	927.4	927.8	928.2	928.7	929.2	929.7	930.2	929.7	929.2	928.7
167.5°	941.9	941.9	941.8	942.2	942.9	943.6	944.3	944.9	944.3	943.6	942.9
170°	950.1	949.9	949.7	950.1	950.9	951.7	952.5	953.4	952.5	951.7	950.9
172.5°	956.3	956.2	956.2	956.5	957.3	958.0	958.7	959.4	958.7	958.0	957.3
175°	963.4	963.6	963.8	964.3	965.1	965.9	966.7	967.7	966.7	965.9	965.1
177.5°	967.3	967.3	967.3	967.7	968.4	969.0	969.7	970.3	969.7	969.0	968.4
180°	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1



TEST NUMBER: P332782-840

CATALOG NUMBER: S124DIW-S795D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1271.6	1267.8	1262.1	1254.5	1248.0	1241.1	1239.4	1236.8	1241.9	1237.7	1236.4
5°	1229.9	1218.6	1204.2	1187.5	1177.8	1163.9	1161.1	1155.8	1150.4	1149.9	1144.5
7.5°	1185.8	1169.2	1150.2	1133.3	1117.5	1102.3	1092.4	1090.1	1082.3	1077.6	1072.3
10°	1157.4	1137.0	1115.0	1098.8	1080.7	1064.5	1053.2	1046.8	1041.4	1035.5	1030.2
12.5°	1123.9	1102.2	1084.1	1066.6	1044.9	1032.7	1014.1	1003.0	1001.9	1002.0	988.1
15°	1084.9	1063.4	1035.5	1010.8	999.0	975.3	965.1	952.2	944.2	936.1	929.7
17.5°	1040.4	1013.6	991.8	963.4	940.9	922.1	908.7	900.9	888.8	877.4	869.1
20°	1012.4	983.9	960.9	930.8	906.1	882.9	871.7	860.9	851.8	842.1	833.0
22.5°	984.0	954.3	926.0	896.9	873.8	849.5	838.6	823.9	815.3	809.9	800.8
25°	939.4	907.2	874.9	847.0	823.3	801.8	787.4	776.1	766.4	762.1	756.2
27.5°	890.8	858.8	827.7	796.0	769.1	753.6	741.9	733.5	727.8	722.2	719.5
30°	859.9	826.6	793.2	763.8	739.0	723.5	712.7	706.8	702.5	699.8	697.1
32.5°	828.5	795.7	760.6	733.7	711.6	697.7	689.5	683.6	681.5	680.4	679.5
35°	778.2	745.0	712.7	688.5	667.6	662.3	655.2	652.1	651.0	654.7	656.3
37.5°	729.5	698.6	669.0	645.6	631.9	624.0	621.6	621.8	625.6	628.9	632.8
40°	698.2	668.1	640.3	619.8	606.9	602.1	601.0	603.7	607.9	611.8	616.0
42.5°	667.7	638.0	612.7	593.6	584.6	580.2	580.8	583.5	589.5	594.1	600.6
45°	620.4	595.6	570.9	555.3	547.9	548.9	548.9	553.7	559.7	566.6	573.6
47.5°	575.7	550.9	530.5	517.5	513.5	512.6	515.6	521.9	530.4	539.1	548.8
50°	545.6	522.0	504.3	492.5	488.2	489.8	494.1	500.0	510.2	521.0	531.2
52.5°	515.1	493.7	477.3	466.3	463.3	466.2	470.5	479.8	488.8	500.4	512.7
55°	467.8	449.5	436.7	428.6	427.5	429.1	433.9	444.1	457.1	471.6	483.4
57.5°	420.6	405.4	393.5	388.0	388.5	390.0	398.0	410.1	423.8	439.3	454.5
60°	388.9	374.9	365.3	360.9	361.4	364.7	374.4	385.7	402.8	417.9	433.9
62.5°	358.8	346.5	337.3	333.5	332.6	339.7	349.0	360.7	377.9	394.7	412.0
65°	310.4	300.7	293.3	291.1	292.8	298.1	309.9	325.5	340.0	357.7	376.0
67.5°	263.2	255.2	250.0	251.1	253.0	260.9	270.8	284.2	300.6	319.0	337.1
70°	233.1	225.6	221.3	221.8	225.0	234.7	243.3	256.7	274.5	293.3	308.3
72.5°	202.2	197.2	193.4	195.6	198.8	205.5	216.2	229.6	245.2	262.8	278.6
75°	155.2	155.2	153.1	154.7	159.6	165.9	174.0	187.9	203.6	217.5	230.5
77.5°	115.1	114.0	115.3	117.3	120.1	127.7	136.9	146.9	158.6	172.6	183.3
80°	88.1	88.7	91.3	94.5	95.6	101.5	111.2	120.3	129.5	141.3	151.5
82.5°	66.1	66.8	68.1	72.2	73.2	79.6	85.8	94.9	103.2	111.2	119.7
85°	36.0	36.0	38.7	40.3	42.9	47.3	51.0	56.4	63.9	69.3	77.4
87.5°	15.7	16.0	18.0	19.1	20.6	23.0	24.1	29.1	31.0	33.3	37.4
90°	9.6	11.2	12.5	13.8	15.1	16.5	17.5	18.5	19.5	20.5	21.1
92.5°	24.4	26.0	26.9	27.8	28.8	29.7	30.3	30.9	31.5	32.1	32.5
95°	51.0	52.3	53.4	54.6	55.8	57.0	57.5	58.0	58.5	59.0	59.2
97.5°	83.3	84.6	86.0	87.4	88.8	90.1	90.7	91.3	91.9	92.5	92.8
100°	107.6	108.7	110.2	111.7	113.2	114.7	115.0	115.3	115.6	116.0	116.1
102.5°	133.6	134.4	135.7	137.1	138.5	139.9	140.4	140.8	141.3	141.7	142.0
105°	175.3	175.7	176.4	177.0	177.7	178.3	178.8	179.4	179.9	180.4	180.9
107.5°	219.6	219.8	219.9	220.0	220.2	220.3	220.7	221.2	221.6	222.1	222.3
110°	250.1	250.2	250.0	249.9	249.7	249.5	249.2	248.9	248.6	248.2	248.3



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	280.2	280.1	279.8	279.5	279.2	278.9	278.9	278.8	278.7	278.7	278.7
115°	326.8	326.6	326.3	326.0	325.6	325.3	325.1	325.0	324.8	324.6	324.5
117.5°	371.4	371.3	371.1	370.9	370.6	370.4	369.8	369.3	368.7	368.1	367.7
120°	402.9	402.9	402.5	402.0	401.5	401.0	400.1	399.3	398.5	397.7	397.4
122.5°	431.9	431.9	431.7	431.4	431.2	431.0	430.4	429.8	429.3	428.7	428.1
125°	475.9	475.8	475.6	475.5	475.3	475.1	474.8	474.5	474.2	473.8	473.5
127.5°	518.9	519.0	518.7	518.5	518.2	518.0	517.6	517.3	516.9	516.5	516.2
130°	547.6	547.9	547.9	547.9	547.9	547.9	547.5	547.2	546.8	546.5	546.0
132.5°	576.5	576.6	576.4	576.3	576.2	576.0	575.7	575.4	575.1	574.7	574.4
135°	617.8	618.3	618.3	618.3	618.3	618.3	618.0	617.6	617.3	617.0	616.6
137.5°	658.0	658.3	658.6	658.8	659.1	659.4	658.9	658.5	658.1	657.7	657.5
140°	685.6	685.8	685.8	685.8	685.8	685.8	685.6	685.5	685.3	685.1	685.0
142.5°	711.4	711.6	711.3	711.2	711.1	710.9	710.9	710.9	710.8	710.8	710.8
145°	748.4	748.8	749.0	749.2	749.3	749.5	749.3	749.2	749.0	748.8	748.5
147.5°	784.4	784.7	784.6	784.4	784.3	784.2	784.0	783.9	783.8	783.6	783.5
150°	805.4	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.7
152.5°	824.8	825.0	825.1	825.3	825.4	825.5	825.9	826.3	826.7	827.1	827.1
155°	854.4	854.3	854.1	854.0	853.8	853.7	854.3	855.1	855.7	856.4	856.4
157.5°	879.6	879.5	879.4	879.4	879.4	879.3	879.8	880.3	880.8	881.3	881.3
160°	895.8	895.5	895.4	895.2	895.0	894.9	895.4	896.0	896.5	897.0	896.8
162.5°	909.1	908.8	908.6	908.5	908.3	908.1	909.0	909.9	910.8	911.7	911.7
165°	928.2	927.8	927.4	927.1	926.8	926.3	927.4	928.4	929.4	930.4	930.6
167.5°	942.2	941.8	941.9	941.9	941.9	942.0	943.0	944.0	944.9	945.9	945.9
170°	950.1	949.7	949.9	950.1	950.2	950.4	951.4	952.4	953.4	954.4	954.3
172.5°	956.5	956.2	956.2	956.3	956.3	956.3	957.6	958.7	959.8	960.9	960.9
175°	964.3	963.8	963.6	963.4	963.3	963.1	964.3	965.4	966.6	967.8	967.8
177.5°	967.7	967.3	967.3	967.3	967.3	967.3	968.3	969.2	970.1	971.1	971.0
180°	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1



TEST NUMBER: P332782-840

CATALOG NUMBER: S124DIW-S795D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1235.5	1234.7	1231.6	1231.2	1231.6	1234.7	1235.5	1236.4	1237.7	1241.9	1236.8
5°	1141.3	1138.6	1137.0	1143.0	1137.0	1138.6	1141.3	1144.5	1149.9	1150.4	1155.8
7.5°	1070.3	1068.1	1063.4	1062.0	1063.4	1068.1	1070.3	1072.3	1077.6	1082.3	1090.1
10°	1024.7	1022.6	1018.3	1017.2	1018.3	1022.6	1024.7	1030.2	1035.5	1041.4	1046.8
12.5°	980.9	976.6	975.7	976.8	975.7	976.6	980.9	988.1	1002.0	1001.9	1003.0
15°	922.7	920.6	914.6	916.3	914.6	920.6	922.7	929.7	936.1	944.2	952.2
17.5°	865.4	862.7	855.6	861.9	855.6	862.7	865.4	869.1	877.4	888.8	900.9
20°	829.3	825.0	821.2	820.6	821.2	825.0	829.3	833.0	842.1	851.8	860.9
22.5°	794.9	791.0	790.7	787.2	790.7	791.0	794.9	800.8	809.9	815.3	823.9
25°	751.9	748.2	747.1	744.4	747.1	748.2	751.9	756.2	762.1	766.4	776.1
27.5°	718.9	717.1	715.2	716.0	715.2	717.1	718.9	719.5	722.2	727.8	733.5
30°	698.7	698.2	697.1	697.1	697.1	698.2	698.7	697.1	699.8	702.5	706.8
32.5°	682.0	681.9	682.6	682.6	682.6	681.9	682.0	679.5	680.4	681.5	683.6
35°	658.4	660.0	661.2	659.5	661.2	660.0	658.4	656.3	654.7	651.0	652.1
37.5°	637.2	638.8	640.4	642.2	640.4	638.8	637.2	632.8	628.9	625.6	621.8
40°	620.9	624.6	625.7	628.4	625.7	624.6	620.9	616.0	611.8	607.9	603.7
42.5°	605.4	609.6	612.4	612.9	612.4	609.6	605.4	600.6	594.1	589.5	583.5
45°	581.7	585.9	589.8	589.8	589.8	585.9	581.7	573.6	566.6	559.7	553.7
47.5°	557.0	563.3	567.0	568.0	567.0	563.3	557.0	548.8	539.1	530.4	521.9
50°	540.3	547.9	551.6	554.3	551.6	547.9	540.3	531.2	521.0	510.2	500.0
52.5°	524.0	531.5	536.5	538.0	536.5	531.5	524.0	512.7	500.4	488.8	479.8
55°	495.7	506.4	512.4	514.5	512.4	506.4	495.7	483.4	471.6	457.1	444.1
57.5°	469.1	479.0	485.8	487.5	485.8	479.0	469.1	454.5	439.3	423.8	410.1
60°	448.5	459.2	467.8	469.4	467.8	459.2	448.5	433.9	417.9	402.8	385.7
62.5°	427.4	438.6	446.4	450.5	446.4	438.6	427.4	412.0	394.7	377.9	360.7
65°	391.0	402.2	409.8	411.4	409.8	402.2	391.0	376.0	357.7	340.0	325.5
67.5°	351.2	362.5	367.5	370.6	367.5	362.5	351.2	337.1	319.0	300.6	284.2
70°	323.4	332.4	337.8	340.5	337.8	332.4	323.4	308.3	293.3	274.5	256.7
72.5°	291.5	301.0	307.3	307.8	307.3	301.0	291.5	278.6	262.8	245.2	229.6
75°	242.8	251.4	254.6	254.6	254.6	251.4	242.8	230.5	217.5	203.6	187.9
77.5°	192.2	196.6	200.7	201.5	200.7	196.6	192.2	183.3	172.6	158.6	146.9
80°	159.6	162.2	165.4	165.4	165.4	162.2	159.6	151.5	141.3	129.5	120.3
82.5°	126.0	128.3	131.5	131.1	131.5	128.3	126.0	119.7	111.2	103.2	94.9
85°	76.2	81.1	80.6	79.5	80.6	81.1	76.2	77.4	69.3	63.9	56.4
87.5°	38.7	39.2	40.5	41.4	40.5	39.2	38.7	37.4	33.3	31.0	29.1
90°	21.5	21.8	22.1	22.5	22.1	21.8	21.5	21.1	20.5	19.5	18.5
92.5°	32.7	32.9	33.1	33.3	33.1	32.9	32.7	32.5	32.1	31.5	30.9
95°	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.0	58.5	58.0
97.5°	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.5	91.9	91.3
100°	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.0	115.6	115.3
102.5°	142.2	142.3	142.4	142.6	142.4	142.3	142.2	142.0	141.7	141.3	140.8
105°	181.4	181.9	182.4	182.9	182.4	181.9	181.4	180.9	180.4	179.9	179.4
107.5°	222.3	222.3	222.2	222.2	222.2	222.3	222.3	222.3	222.1	221.6	221.2
110°	248.8	249.3	249.8	250.3	249.8	249.3	248.8	248.3	248.2	248.6	248.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	278.8	278.9	279.0	279.1	279.0	278.9	278.8	278.7	278.7	278.7	278.8
115°	324.3	324.2	324.0	323.8	324.0	324.2	324.3	324.5	324.6	324.8	325.0
117.5°	367.4	367.0	366.7	366.4	366.7	367.0	367.4	367.7	368.1	368.7	369.3
120°	397.8	398.1	398.4	398.7	398.4	398.1	397.8	397.4	397.7	398.5	399.3
122.5°	427.5	426.9	426.4	425.8	426.4	426.9	427.5	428.1	428.7	429.3	429.8
125°	473.2	472.8	472.5	472.2	472.5	472.8	473.2	473.5	473.8	474.2	474.5
127.5°	516.0	515.7	515.4	515.2	515.4	515.7	516.0	516.2	516.5	516.9	517.3
130°	545.4	544.7	544.0	543.4	544.0	544.7	545.4	546.0	546.5	546.8	547.2
132.5°	574.2	573.9	573.6	573.4	573.6	573.9	574.2	574.4	574.7	575.1	575.4
135°	616.1	615.6	615.1	614.6	615.1	615.6	616.1	616.6	617.0	617.3	617.6
137.5°	657.6	657.7	657.8	657.9	657.8	657.7	657.6	657.5	657.7	658.1	658.5
140°	684.8	684.6	684.5	684.3	684.5	684.6	684.8	685.0	685.1	685.3	685.5
142.5°	710.7	710.7	710.7	710.6	710.7	710.7	710.7	710.8	710.8	710.8	710.9
145°	748.0	747.5	747.0	746.5	747.0	747.5	748.0	748.5	748.8	749.0	749.2
147.5°	783.3	783.2	782.9	782.7	782.9	783.2	783.3	783.5	783.6	783.8	783.9
150°	805.5	805.3	805.2	805.0	805.2	805.3	805.5	805.7	805.8	805.8	805.8
152.5°	826.7	826.3	825.8	825.4	825.8	826.3	826.7	827.1	827.1	826.7	826.3
155°	855.7	855.1	854.3	853.7	854.3	855.1	855.7	856.4	856.4	855.7	855.1
157.5°	880.7	880.2	879.6	879.0	879.6	880.2	880.7	881.3	881.3	880.8	880.3
160°	896.0	895.0	894.2	893.4	894.2	895.0	896.0	896.8	897.0	896.5	896.0
162.5°	910.9	910.1	909.3	908.4	909.3	910.1	910.9	911.7	911.7	910.8	909.9
165°	929.9	929.2	928.6	927.9	928.6	929.2	929.9	930.6	930.4	929.4	928.4
167.5°	944.9	943.9	942.9	941.8	942.9	943.9	944.9	945.9	945.9	944.9	944.0
170°	953.1	952.0	950.8	949.7	950.8	952.0	953.1	954.3	954.4	953.4	952.4
172.5°	959.7	958.6	957.4	956.2	957.4	958.6	959.7	960.9	960.9	959.8	958.7
175°	966.6	965.4	964.3	963.1	964.3	965.4	966.6	967.8	967.8	966.6	965.4
177.5°	969.9	968.9	967.8	966.7	967.8	968.9	969.9	971.0	971.1	970.1	969.2
180°	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1239.4	1241.1	1248.0	1254.5	1262.1	1267.8	1271.6	1275.9	1285.0	1292.2	1299.1
5°	1161.1	1163.9	1177.8	1187.5	1204.2	1218.6	1229.9	1242.2	1256.8	1276.7	1294.9
7.5°	1092.4	1102.3	1117.5	1133.3	1150.2	1169.2	1185.8	1204.4	1229.4	1256.7	1284.9
10°	1053.2	1064.5	1080.7	1098.8	1115.0	1137.0	1157.4	1179.4	1207.9	1241.2	1274.6
12.5°	1014.1	1032.7	1044.9	1066.6	1084.1	1102.2	1123.9	1152.8	1186.0	1221.0	1261.2
15°	965.1	975.3	999.0	1010.8	1035.5	1063.4	1084.9	1113.9	1146.1	1192.3	1237.5
17.5°	908.7	922.1	940.9	963.4	991.8	1013.6	1040.4	1070.2	1110.8	1156.7	1213.2
20°	871.7	882.9	906.1	930.8	960.9	983.9	1012.4	1041.4	1083.3	1132.2	1191.2
22.5°	838.6	849.5	873.8	896.9	926.0	954.3	984.0	1017.7	1057.9	1109.4	1169.7
25°	787.4	801.8	823.3	847.0	874.9	907.2	939.4	969.5	1012.4	1066.6	1131.1
27.5°	741.9	753.6	769.1	796.0	827.7	858.8	890.8	928.6	969.9	1027.2	1094.2
30°	712.7	723.5	739.0	763.8	793.2	826.6	859.9	896.4	939.4	996.3	1064.5
32.5°	689.5	697.7	711.6	733.7	760.6	795.7	828.5	866.4	911.4	967.6	1034.0
35°	655.2	662.3	667.6	688.5	712.7	745.0	778.2	818.5	862.0	915.2	981.8
37.5°	621.6	624.0	631.9	645.6	669.0	698.6	729.5	769.2	813.7	867.8	927.9
40°	601.0	602.1	606.9	619.8	640.3	668.1	698.2	737.4	779.8	830.9	890.5
42.5°	580.8	580.2	584.6	593.6	612.7	638.0	667.7	703.5	745.9	793.0	849.2
45°	548.9	548.9	547.9	555.3	570.9	595.6	620.4	654.7	690.1	736.4	783.7
47.5°	515.6	512.6	513.5	517.5	530.5	550.9	575.7	603.9	635.2	674.3	715.7
50°	494.1	489.8	488.2	492.5	504.3	522.0	545.6	570.4	600.0	634.3	669.7
52.5°	470.5	466.2	463.3	466.3	477.3	493.7	515.1	536.8	563.4	591.4	622.1
55°	433.9	429.1	427.5	428.6	436.7	449.5	467.8	487.7	507.6	530.7	552.1
57.5°	398.0	390.0	388.5	388.0	393.5	405.4	420.6	437.9	452.3	466.3	489.2
60°	374.4	364.7	361.4	360.9	365.3	374.9	388.9	406.1	416.3	425.9	445.8
62.5°	349.0	339.7	332.6	333.5	337.3	346.5	358.8	371.2	378.0	388.5	401.9
65°	309.9	298.1	292.8	291.1	293.3	300.7	310.4	318.5	326.0	330.3	343.2
67.5°	270.8	260.9	253.0	251.1	250.0	255.2	263.2	268.0	273.4	277.1	284.8
70°	243.3	234.7	225.0	221.8	221.3	225.6	233.1	233.6	241.2	242.8	250.9
72.5°	216.2	205.5	198.8	195.6	193.4	197.2	202.2	203.6	207.6	210.6	214.7
75°	174.0	165.9	159.6	154.7	153.1	155.2	155.2	157.9	160.6	162.2	167.0
77.5°	136.9	127.7	120.1	117.3	115.3	114.0	115.1	116.7	115.4	118.3	119.4
80°	111.2	101.5	95.6	94.5	91.3	88.7	88.1	89.7	87.6	88.7	91.8
82.5°	85.8	79.6	73.2	72.2	68.1	66.8	66.1	65.2	65.2	65.0	65.6
85°	51.0	47.3	42.9	40.3	38.7	36.0	36.0	34.9	33.8	32.7	33.3
87.5°	24.1	23.0	20.6	19.1	18.0	16.0	15.7	14.0	13.2	12.4	11.6
90°	17.5	16.5	15.1	13.8	12.5	11.2	9.6	7.8	6.0	4.0	2.2
92.5°	30.3	29.7	28.8	27.8	26.9	26.0	24.4	22.3	20.2	18.2	16.1
95°	57.5	57.0	55.8	54.6	53.4	52.3	51.0	49.5	48.0	46.5	44.9
97.5°	90.7	90.1	88.8	87.4	86.0	84.6	83.3	82.1	81.0	79.8	78.6
100°	115.0	114.7	113.2	111.7	110.2	108.7	107.6	106.9	106.2	105.6	104.9
102.5°	140.4	139.9	138.5	137.1	135.7	134.4	133.6	133.3	133.0	132.8	132.5
105°	178.8	178.3	177.7	177.0	176.4	175.7	175.3	175.1	175.0	174.8	174.6
107.5°	220.7	220.3	220.2	220.0	219.9	219.8	219.6	219.4	219.2	219.0	218.8
110°	249.2	249.5	249.7	249.9	250.0	250.2	250.1	249.8	249.5	249.1	248.8



TEST NUMBER: P332782-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	278.9	278.9	279.2	279.5	279.8	280.1	280.2	280.2	280.1	280.0	280.0
115°	325.1	325.3	325.6	326.0	326.3	326.6	326.8	326.8	326.8	326.8	326.8
117.5°	369.8	370.4	370.6	370.9	371.1	371.3	371.4	371.2	371.1	371.0	370.8
120°	400.1	401.0	401.5	402.0	402.5	402.9	402.9	402.2	401.5	400.9	400.2
122.5°	430.4	431.0	431.2	431.4	431.7	431.9	431.9	431.6	431.3	431.1	430.8
125°	474.8	475.1	475.3	475.5	475.6	475.8	475.9	475.9	475.9	475.9	475.9
127.5°	517.6	518.0	518.2	518.5	518.7	519.0	518.9	518.4	517.9	517.4	516.8
130°	547.5	547.9	547.9	547.9	547.9	547.9	547.6	547.1	546.6	546.1	545.6
132.5°	575.7	576.0	576.2	576.3	576.4	576.6	576.5	576.1	575.7	575.4	575.0
135°	618.0	618.3	618.3	618.3	618.3	618.3	617.8	616.8	615.8	614.8	613.9
137.5°	658.9	659.4	659.1	658.8	658.6	658.3	658.0	657.5	657.0	656.6	656.1
140°	685.6	685.8	685.8	685.8	685.8	685.8	685.6	685.3	685.0	684.6	684.3
142.5°	710.9	710.9	711.1	711.2	711.3	711.6	711.4	711.0	710.7	710.4	710.0
145°	749.3	749.5	749.3	749.2	749.0	748.8	748.4	747.8	747.1	746.4	745.8
147.5°	784.0	784.2	784.3	784.4	784.6	784.7	784.4	783.6	782.7	781.9	781.1
150°	805.8	805.8	805.8	805.8	805.8	805.8	805.4	804.8	804.1	803.3	802.7
152.5°	825.9	825.5	825.4	825.3	825.1	825.0	824.8	824.4	823.9	823.5	823.1
155°	854.3	853.7	853.8	854.0	854.1	854.3	854.4	854.4	854.4	854.4	854.4
157.5°	879.8	879.3	879.4	879.4	879.4	879.5	879.6	879.9	880.2	880.5	880.8
160°	895.4	894.9	895.0	895.2	895.4	895.5	895.8	896.0	896.1	896.3	896.5
162.5°	909.0	908.1	908.3	908.5	908.6	908.8	909.1	909.5	909.9	910.4	910.8
165°	927.4	926.3	926.8	927.1	927.4	927.8	928.2	928.7	929.2	929.7	930.2
167.5°	943.0	942.0	941.9	941.9	941.9	941.8	942.2	942.9	943.6	944.3	944.9
170°	951.4	950.4	950.2	950.1	949.9	949.7	950.1	950.9	951.7	952.5	953.4
172.5°	957.6	956.3	956.3	956.3	956.2	956.2	956.5	957.3	958.0	958.7	959.4
175°	964.3	963.1	963.3	963.4	963.6	963.8	964.3	965.1	965.9	966.7	967.7
177.5°	968.3	967.3	967.3	967.3	967.3	967.3	967.7	968.4	969.0	969.7	970.3
180°	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1



TEST NUMBER: P332782-840

CATALOG NUMBER: S124DIW-S795D770U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1305.1	1309.4	1315.0	1324.4	1327.9	1332.2	1338.2	1337.8	1339.5	1345.9	1359.7
5°	1310.0	1326.6	1342.7	1362.0	1382.5	1395.8	1414.1	1425.4	1436.7	1451.2	1475.9
7.5°	1311.9	1338.3	1367.9	1401.8	1432.0	1466.8	1494.0	1519.5	1542.6	1573.3	1602.7
10°	1308.9	1344.3	1382.5	1425.4	1471.1	1509.7	1544.7	1584.4	1618.2	1655.3	1688.6
12.5°	1303.3	1346.0	1397.0	1445.2	1498.5	1555.7	1599.2	1639.4	1684.5	1727.1	1778.4
15°	1290.6	1349.2	1408.8	1472.2	1543.6	1609.6	1672.4	1724.5	1772.9	1836.8	1904.0
17.5°	1274.6	1337.7	1412.9	1489.6	1564.2	1639.7	1717.5	1795.8	1856.8	1936.2	1988.7
20°	1259.5	1332.5	1409.9	1501.2	1575.8	1669.8	1747.2	1822.9	1906.6	1985.6	2048.4
22.5°	1238.4	1318.4	1400.4	1491.3	1589.5	1683.5	1772.9	1855.1	1938.8	2024.7	2100.8
25°	1211.6	1284.1	1381.4	1484.5	1582.3	1684.3	1786.9	1890.0	1980.2	2071.0	2141.9
27.5°	1166.1	1257.7	1348.2	1454.6	1563.3	1678.7	1788.4	1896.3	1990.8	2065.5	2109.4
30°	1143.0	1222.4	1320.7	1427.5	1545.2	1669.3	1783.6	1889.5	1977.5	2037.2	2054.9
32.5°	1108.5	1190.6	1286.8	1397.5	1522.0	1649.5	1768.6	1868.5	1941.9	1973.2	1951.8
35°	1057.5	1131.7	1228.8	1342.2	1471.6	1607.5	1725.2	1809.5	1847.0	1817.5	1743.9
37.5°	996.3	1069.8	1167.4	1278.7	1412.6	1550.7	1657.1	1717.8	1705.4	1631.8	1522.2
40°	953.3	1022.1	1115.0	1235.3	1365.8	1504.4	1597.8	1630.6	1596.2	1491.0	1374.4
42.5°	905.6	972.7	1066.0	1182.0	1320.3	1448.0	1529.5	1532.2	1474.6	1348.8	1231.7
45°	833.0	897.0	985.0	1105.9	1233.7	1354.0	1407.7	1381.4	1275.1	1153.7	1036.0
47.5°	761.3	816.8	903.6	1018.3	1139.7	1241.0	1267.6	1220.2	1106.9	989.1	880.1
50°	708.9	764.8	846.5	956.0	1073.1	1160.6	1173.6	1110.6	999.6	880.8	795.5
52.5°	658.6	714.1	792.7	894.1	1001.4	1080.3	1080.8	1008.0	897.3	791.4	712.1
55°	584.9	634.8	705.7	796.5	892.1	953.8	938.9	863.6	767.5	675.7	606.3
57.5°	513.8	557.2	622.6	698.3	782.5	833.4	808.5	736.1	650.3	572.4	519.9
60°	467.8	509.2	565.0	636.4	707.3	747.1	723.5	657.9	579.0	516.1	470.5
62.5°	423.1	458.1	511.7	573.7	639.4	668.9	647.8	583.2	514.9	458.2	421.1
65°	359.8	388.3	431.3	484.4	532.3	557.4	539.8	479.6	427.5	386.7	357.2
67.5°	300.7	323.0	355.6	398.2	438.8	452.4	436.4	394.5	350.3	317.6	296.8
70°	259.9	280.9	308.3	341.0	376.5	391.0	374.9	341.5	305.6	275.5	255.1
72.5°	224.3	240.5	263.6	291.6	319.3	333.9	322.9	290.8	260.4	238.1	220.8
75°	170.8	184.8	200.9	220.8	242.3	251.9	242.3	220.3	199.2	182.6	170.3
77.5°	124.2	131.7	144.1	159.0	172.4	179.9	171.5	156.5	143.7	132.3	126.2
80°	94.5	99.9	108.5	120.3	129.5	136.4	131.1	118.7	108.5	101.0	98.3
82.5°	68.8	72.4	78.0	86.7	92.9	96.4	94.1	85.1	81.0	74.3	71.6
85°	33.8	36.0	39.8	42.4	47.8	48.4	48.9	45.1	41.4	39.8	37.6
87.5°	12.4	13.2	14.8	16.6	18.6	19.3	19.1	19.4	17.9	17.7	16.2
90°	4.0	6.0	7.8	9.6	11.2	12.5	13.8	15.1	16.5	17.5	18.5
92.5°	18.2	20.2	22.3	24.4	26.0	26.9	27.8	28.8	29.7	30.3	30.9
95°	46.5	48.0	49.5	51.0	52.3	53.4	54.6	55.8	57.0	57.5	58.0
97.5°	79.8	81.0	82.1	83.3	84.6	86.0	87.4	88.8	90.1	90.7	91.3
100°	105.6	106.2	106.9	107.6	108.7	110.2	111.7	113.2	114.7	115.0	115.3
102.5°	132.8	133.0	133.3	133.6	134.4	135.7	137.1	138.5	139.9	140.4	140.8
105°	174.8	175.0	175.1	175.3	175.7	176.4	177.0	177.7	178.3	178.8	179.4
107.5°	219.0	219.2	219.4	219.6	219.8	219.9	220.0	220.2	220.3	220.7	221.2
110°	249.1	249.5	249.8	250.1	250.2	250.0	249.9	249.7	249.5	249.2	248.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	280.0	280.1	280.2	280.2	280.1	279.8	279.5	279.2	278.9	278.9	278.8
115°	326.8	326.8	326.8	326.8	326.6	326.3	326.0	325.6	325.3	325.1	325.0
117.5°	371.0	371.1	371.2	371.4	371.3	371.1	370.9	370.6	370.4	369.8	369.3
120°	400.9	401.5	402.2	402.9	402.9	402.5	402.0	401.5	401.0	400.1	399.3
122.5°	431.1	431.3	431.6	431.9	431.9	431.7	431.4	431.2	431.0	430.4	429.8
125°	475.9	475.9	475.9	475.9	475.8	475.6	475.5	475.3	475.1	474.8	474.5
127.5°	517.4	517.9	518.4	518.9	519.0	518.7	518.5	518.2	518.0	517.6	517.3
130°	546.1	546.6	547.1	547.6	547.9	547.9	547.9	547.9	547.9	547.5	547.2
132.5°	575.4	575.7	576.1	576.5	576.6	576.4	576.3	576.2	576.0	575.7	575.4
135°	614.8	615.8	616.8	617.8	618.3	618.3	618.3	618.3	618.3	618.0	617.6
137.5°	656.6	657.0	657.5	658.0	658.3	658.6	658.8	659.1	659.4	658.9	658.5
140°	684.6	685.0	685.3	685.6	685.8	685.8	685.8	685.8	685.8	685.6	685.5
142.5°	710.4	710.7	711.0	711.4	711.6	711.3	711.2	711.1	710.9	710.9	710.9
145°	746.4	747.1	747.8	748.4	748.8	749.0	749.2	749.3	749.5	749.3	749.2
147.5°	781.9	782.7	783.6	784.4	784.7	784.6	784.4	784.3	784.2	784.0	783.9
150°	803.3	804.1	804.8	805.4	805.8	805.8	805.8	805.8	805.8	805.8	805.8
152.5°	823.5	823.9	824.4	824.8	825.0	825.1	825.3	825.4	825.5	825.9	826.3
155°	854.4	854.4	854.4	854.4	854.3	854.1	854.0	853.8	853.7	854.3	855.1
157.5°	880.5	880.2	879.9	879.6	879.5	879.4	879.4	879.4	879.3	879.8	880.3
160°	896.3	896.1	896.0	895.8	895.5	895.4	895.2	895.0	894.9	895.4	896.0
162.5°	910.4	909.9	909.5	909.1	908.8	908.6	908.5	908.3	908.1	909.0	909.9
165°	929.7	929.2	928.7	928.2	927.8	927.4	927.1	926.8	926.3	927.4	928.4
167.5°	944.3	943.6	942.9	942.2	941.8	941.9	941.9	941.9	942.0	943.0	944.0
170°	952.5	951.7	950.9	950.1	949.7	949.9	950.1	950.2	950.4	951.4	952.4
172.5°	958.7	958.0	957.3	956.5	956.2	956.2	956.3	956.3	956.3	957.6	958.7
175°	966.7	965.9	965.1	964.3	963.8	963.6	963.4	963.3	963.1	964.3	965.4
177.5°	969.7	969.0	968.4	967.7	967.3	967.3	967.3	967.3	967.3	968.3	969.2
180°	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1	969.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1366.5	1367.5	1371.3	1374.3	1375.1	1379.5	1379.9
5°	1486.6	1495.8	1513.5	1515.1	1517.8	1531.8	1521.1
7.5°	1627.4	1650.5	1666.1	1679.7	1684.7	1690.7	1689.5
10°	1717.6	1752.0	1769.2	1796.5	1797.7	1804.6	1800.3
12.5°	1808.3	1848.3	1879.6	1884.6	1907.6	1911.2	1917.2
15°	1936.7	1979.1	2022.7	2038.2	2069.9	2077.5	2089.3
17.5°	2057.5	2100.8	2131.3	2171.6	2184.6	2202.0	2190.2
20°	2123.6	2170.9	2209.6	2241.3	2254.7	2264.3	2263.3
22.5°	2163.6	2211.3	2242.6	2266.6	2279.2	2283.3	2283.0
25°	2188.6	2216.0	2225.6	2234.8	2220.9	2216.0	2218.2
27.5°	2119.0	2111.9	2086.7	2053.6	2019.2	1992.0	1977.1
30°	2023.2	1981.4	1943.2	1876.5	1842.2	1821.8	1803.5
32.5°	1887.4	1821.1	1747.7	1686.7	1647.6	1617.3	1612.8
35°	1654.8	1554.9	1465.2	1390.5	1351.8	1319.1	1311.5
37.5°	1406.8	1303.0	1222.3	1156.6	1115.0	1091.9	1070.3
40°	1242.2	1153.2	1073.6	1017.7	986.1	969.5	956.0
42.5°	1115.5	1034.1	955.0	912.5	883.8	873.6	865.8
45°	940.4	864.7	809.9	777.7	761.0	743.9	735.8
47.5°	800.2	738.6	702.5	675.1	657.3	647.1	642.0
50°	720.7	670.2	638.0	617.1	601.0	592.9	588.7
52.5°	650.3	608.8	581.8	565.1	554.2	548.3	546.5
55°	560.2	528.5	511.3	496.9	488.8	483.4	481.2
57.5°	487.0	462.5	448.6	436.7	433.5	429.0	427.5
60°	438.8	420.0	408.2	400.1	397.5	392.0	393.1
62.5°	396.3	380.9	370.8	366.2	362.6	358.1	359.6
65°	335.2	323.9	318.5	314.2	309.9	307.2	309.3
67.5°	281.2	273.5	266.2	263.7	261.6	261.2	258.8
70°	246.0	239.5	233.1	231.5	231.5	229.3	228.8
72.5°	212.1	207.3	203.0	201.9	200.2	201.0	198.7
75°	163.8	160.1	158.4	156.8	156.3	156.3	154.7
77.5°	121.1	118.3	115.7	115.7	113.7	113.0	112.8
80°	91.8	90.8	88.7	88.7	87.6	88.1	87.1
82.5°	69.1	67.6	67.2	66.2	64.7	64.8	63.8
85°	37.1	35.4	34.9	33.3	32.2	33.3	32.2
87.5°	16.8	16.6	16.3	15.5	15.1	15.1	13.9
90°	19.5	20.5	21.1	21.5	21.8	22.1	22.5
92.5°	31.5	32.1	32.5	32.7	32.9	33.1	33.3
95°	58.5	59.0	59.2	59.2	59.2	59.2	59.2
97.5°	91.9	92.5	92.8	92.8	92.8	92.8	92.8
100°	115.6	116.0	116.1	116.1	116.1	116.1	116.1
102.5°	141.3	141.7	142.0	142.2	142.3	142.4	142.6
105°	179.9	180.4	180.9	181.4	181.9	182.4	182.9
107.5°	221.6	222.1	222.3	222.3	222.3	222.2	222.2
110°	248.6	248.2	248.3	248.8	249.3	249.8	250.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	278.7	278.7	278.7	278.8	278.9	279.0	279.1
115°	324.8	324.6	324.5	324.3	324.2	324.0	323.8
117.5°	368.7	368.1	367.7	367.4	367.0	366.7	366.4
120°	398.5	397.7	397.4	397.8	398.1	398.4	398.7
122.5°	429.3	428.7	428.1	427.5	426.9	426.4	425.8
125°	474.2	473.8	473.5	473.2	472.8	472.5	472.2
127.5°	516.9	516.5	516.2	516.0	515.7	515.4	515.2
130°	546.8	546.5	546.0	545.4	544.7	544.0	543.4
132.5°	575.1	574.7	574.4	574.2	573.9	573.6	573.4
135°	617.3	617.0	616.6	616.1	615.6	615.1	614.6
137.5°	658.1	657.7	657.5	657.6	657.7	657.8	657.9
140°	685.3	685.1	685.0	684.8	684.6	684.5	684.3
142.5°	710.8	710.8	710.8	710.7	710.7	710.7	710.6
145°	749.0	748.8	748.5	748.0	747.5	747.0	746.5
147.5°	783.8	783.6	783.5	783.3	783.2	782.9	782.7
150°	805.8	805.8	805.7	805.5	805.3	805.2	805.0
152.5°	826.7	827.1	827.1	826.7	826.3	825.8	825.4
155°	855.7	856.4	856.4	855.7	855.1	854.3	853.7
157.5°	880.8	881.3	881.3	880.7	880.2	879.6	879.0
160°	896.5	897.0	896.8	896.0	895.0	894.2	893.4
162.5°	910.8	911.7	911.7	910.9	910.1	909.3	908.4
165°	929.4	930.4	930.6	929.9	929.2	928.6	927.9
167.5°	944.9	945.9	945.9	944.9	943.9	942.9	941.8
170°	953.4	954.4	954.3	953.1	952.0	950.8	949.7
172.5°	959.8	960.9	960.9	959.7	958.6	957.4	956.2
175°	966.6	967.8	967.8	966.6	965.4	964.3	963.1
177.5°	970.1	971.1	971.0	969.9	968.9	967.8	966.7
180°	969.1	969.1	969.1	969.1	969.1	969.1	969.1

(END OF REPORT)