

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: P332156-840

Luminaire Tested: **S123DIW-S775D755U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332156-840  
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-S775D755U840-4F0-1E-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**

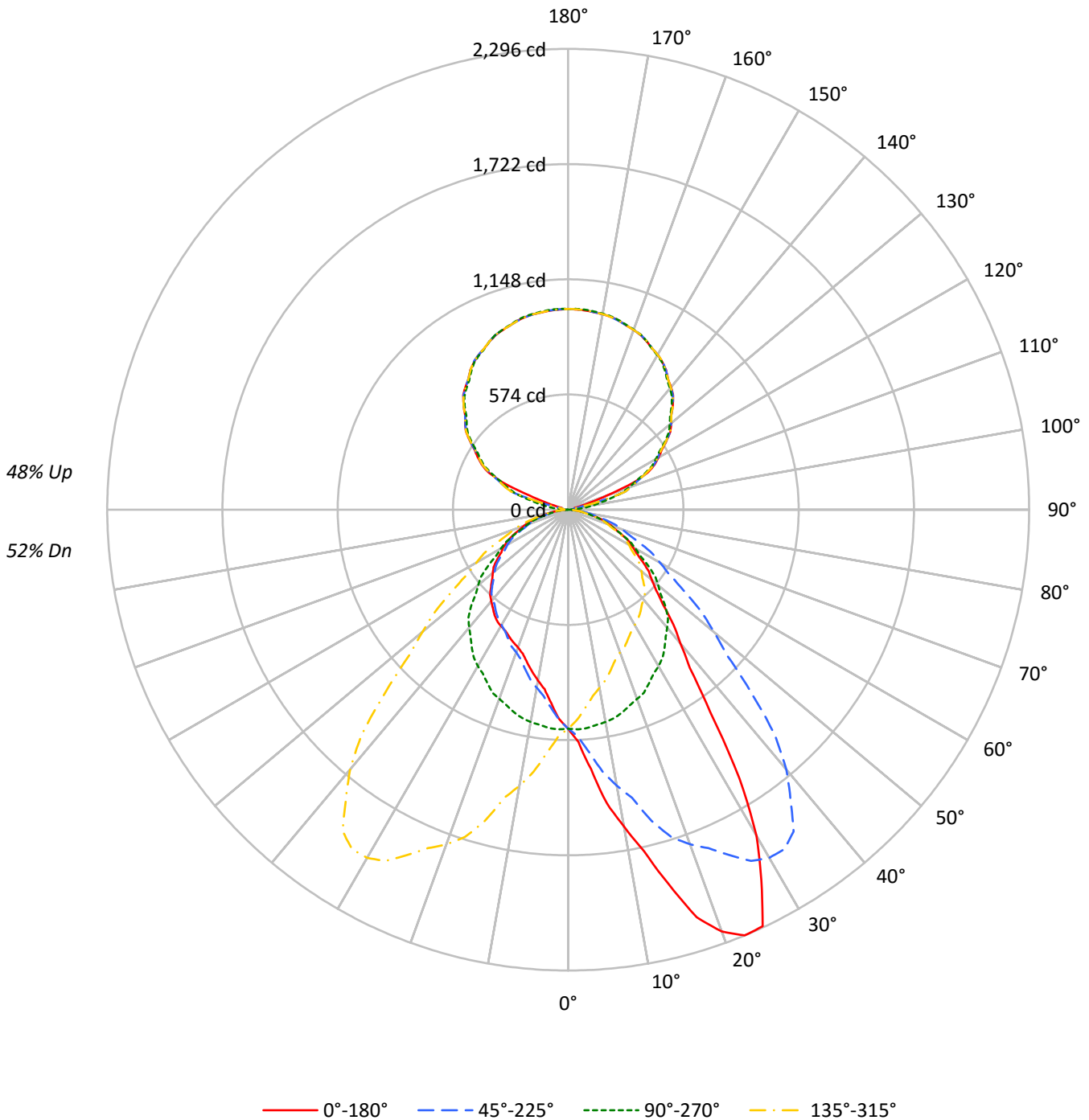
Lumens per Lamp: N/A  
Luminaire Lumens: 6346.5 lumens  
Efficiency: N/A  
Efficacy: 141.0 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse

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°	11746	11746	11746	11746
5°	14008	11797	10454	11797
10°	17533	11737	9441	11737
15°	21504	11642	8790	11642
20°	25616	11494	8369	11494
25°	27201	11315	8276	11315
30°	23313	11184	8319	11184
35°	16215	10997	8406	10997
40°	12213	10779	8379	10779
45°	10140	10455	8273	10455
50°	9083	9791	8199	9791
55°	8492	9077	8096	9077
60°	7967	8331	8013	8331
65°	7488	7595	7755	7595
70°	7021	6754	7386	6754
75°	6288	5914	6771	5914
80°	5511	4854	5833	4854
85°	4310	3532	3915	3532



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.5	1.7
10°-20°	344.7	5.4
20°-30°	578.5	9.1
30°-40°	655.0	10.3
40°-50°	587.4	9.3
50°-60°	474.0	7.5
60°-70°	330.3	5.2
70°-80°	173.6	2.7
80°-90°	45.3	0.7
90°-100°	36.4	0.6
100°-110°	173.3	2.7
110°-120°	416.3	6.6
120°-130°	530.1	8.4
130°-140°	566.4	8.9
140°-150°	529.7	8.3
150°-160°	427.3	6.7
160°-170°	275.7	4.3
170°-180°	95.0	1.5
0°-30°	1030.6	16.2
0°-40°	1685.7	26.6
0°-60°	2747.1	43.3
0°-90°	3296.3	51.9
90°-120°	626.0	9.9
90°-150°	2252.2	35.5
90°-180°	3050.0	48.1
0°-180°	6346.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1296	1092	968	1092	1296	134
15°	1930	1045	789	1045	1930	557
25°	2290	953	697	953	2290	1004
35°	1234	837	640	837	1234	802
45°	666	687	544	687	666	527
55°	452	484	431	484	452	406
65°	294	298	304	298	294	293
75°	151	142	163	142	151	162
85°	35	29	32	29	35	42
90°	22	1	22	1	22	12
95°	28	45	28	45	28	24
105°	33	222	33	222	33	75
115°	437	415	437	415	437	404
125°	597	586	597	586	597	534
135°	736	729	736	729	736	568
145°	849	841	849	841	849	530
155°	925	927	925	927	925	427
165°	975	977	975	977	975	275
175°	996	1000	996	1000	996	95
180°	1000	1000	1000	1000	1000	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1158.0	1157.2	1155.1	1156.8	1153.4	1148.7	1148.3	1144.1	1131.8	1130.9	1127.6
5°	1296.4	1292.1	1291.6	1291.0	1283.6	1273.6	1254.6	1252.9	1227.6	1214.9	1199.6
7.5°	1475.4	1477.6	1470.0	1463.2	1440.6	1425.6	1405.2	1379.1	1348.0	1316.4	1295.3
10°	1604.1	1621.4	1599.8	1585.0	1571.2	1545.3	1515.2	1477.6	1440.2	1396.2	1362.9
12.5°	1741.9	1750.5	1746.2	1732.2	1710.8	1671.4	1618.0	1576.6	1542.1	1468.9	1439.5
15°	1929.7	1962.0	1941.4	1893.7	1894.8	1857.2	1787.5	1710.8	1670.1	1606.1	1518.9
17.5°	2129.7	2133.7	2125.0	2085.4	2058.9	2007.3	1942.9	1869.5	1787.0	1709.5	1617.0
20°	2236.3	2233.1	2214.6	2194.0	2148.6	2108.4	2038.1	1956.1	1850.4	1774.2	1673.2
22.5°	2295.5	2290.3	2281.5	2264.2	2226.3	2183.2	2120.1	2030.5	1930.0	1825.0	1708.4
25°	2290.3	2297.1	2298.1	2293.4	2280.2	2254.3	2204.6	2133.2	2032.8	1897.9	1776.4
27.5°	2083.0	2092.7	2121.0	2146.1	2174.0	2202.6	2198.8	2163.3	2089.0	1972.7	1823.9
30°	1875.7	1854.6	1906.9	1973.1	2018.0	2097.3	2141.7	2144.3	2102.5	2002.7	1857.7
32.5°	1588.1	1611.4	1634.6	1715.9	1814.1	1903.2	1991.6	2062.8	2070.8	2004.4	1877.6
35°	1234.0	1263.0	1305.4	1347.6	1453.4	1544.3	1699.7	1835.0	1942.9	1957.2	1879.5
37.5°	994.3	1008.8	1035.5	1077.8	1147.0	1254.9	1375.1	1546.2	1702.4	1818.7	1823.7
40°	869.2	873.4	903.5	935.7	991.8	1080.7	1189.0	1340.2	1527.3	1689.7	1757.4
42.5°	775.3	784.6	797.4	828.3	872.9	939.8	1040.6	1165.5	1337.1	1523.9	1656.3
45°	666.1	676.7	684.7	705.3	737.0	781.9	852.2	966.4	1097.0	1290.0	1468.1
47.5°	594.0	594.9	600.8	616.3	637.9	671.7	721.3	794.8	914.6	1071.1	1254.1
50°	542.4	550.9	553.0	565.1	582.1	606.9	648.1	710.5	808.9	946.3	1114.5
52.5°	506.0	508.6	514.5	523.3	538.1	557.4	593.2	642.1	719.2	836.4	991.0
55°	452.5	452.5	458.4	465.2	473.7	491.1	514.9	550.9	609.6	700.5	828.5
57.5°	403.0	405.7	409.8	411.9	419.1	430.7	450.5	477.9	521.6	591.6	693.3
60°	370.1	374.9	374.4	378.5	384.9	393.8	410.8	433.0	472.1	528.2	613.8
62.5°	341.3	341.0	340.9	346.0	352.3	360.9	371.8	391.1	424.3	474.0	546.9
65°	294.0	292.9	296.6	299.7	301.8	308.2	316.7	333.6	355.8	392.8	449.4
67.5°	251.9	248.8	250.9	251.9	255.5	260.4	268.3	278.8	296.5	326.2	368.8
70°	223.1	220.5	219.9	221.0	224.2	227.8	233.7	243.7	260.1	283.9	315.1
72.5°	193.5	191.7	191.6	193.9	195.4	197.8	202.0	211.2	224.2	242.1	271.1
75°	151.2	151.2	151.2	151.7	153.3	155.4	158.6	163.4	173.4	186.1	205.6
77.5°	113.3	113.2	112.6	112.5	114.8	115.8	116.5	121.0	126.5	135.1	149.4
80°	88.9	86.1	87.3	88.9	89.9	90.4	92.0	93.0	97.9	102.6	112.6
82.5°	65.9	63.7	63.9	66.4	66.7	67.2	68.8	70.2	72.0	76.3	81.7
85°	34.9	34.9	35.4	35.4	36.0	35.4	37.0	37.6	37.6	40.2	43.3
87.5°	17.2	16.3	16.6	17.0	16.5	16.8	17.1	17.4	17.7	18.0	18.0
90°	22.3	21.9	21.6	21.3	21.0	20.5	19.8	19.2	18.5	17.9	15.7
92.5°	24.6	24.4	24.2	24.0	23.8	23.2	22.2	21.1	20.1	19.0	17.4
95°	28.3	28.3	28.3	28.3	28.3	27.7	26.5	25.3	24.2	23.0	21.2
97.5°	30.6	30.5	30.3	30.1	30.0	29.2	27.9	26.6	25.2	23.9	35.9
100°	31.2	31.0	30.9	30.7	30.6	29.8	28.5	27.2	25.9	24.5	50.3
102.5°	31.8	31.5	31.2	30.9	30.6	32.5	36.7	40.7	44.8	48.9	77.1
105°	32.7	32.4	32.0	31.7	31.4	45.8	75.0	104.3	133.5	162.8	177.6
107.5°	102.7	124.7	146.7	168.7	190.9	212.6	234.0	255.4	276.8	298.3	296.0
110°	204.4	227.9	251.6	275.2	298.8	313.4	318.8	324.3	329.7	335.2	333.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	350.6	355.6	360.6	365.6	370.5	373.0	372.9	372.8	372.7	372.6	370.8
115°	437.0	436.3	435.7	434.9	434.3	433.1	431.5	429.9	428.2	426.6	425.1
117.5°	485.4	485.2	485.1	485.0	484.8	484.1	482.8	481.5	480.2	478.9	478.1
120°	518.7	518.7	518.7	518.7	518.7	518.1	516.7	515.4	514.1	512.7	512.3
122.5°	551.4	551.3	551.1	551.0	550.9	550.4	549.4	548.5	547.5	546.6	546.0
125°	597.4	597.1	596.8	596.5	596.1	595.8	595.5	595.1	594.8	594.5	593.8
127.5°	641.8	642.1	642.4	642.8	643.1	643.0	642.5	642.0	641.4	640.9	640.1
130°	670.2	670.7	671.0	671.3	671.7	671.5	670.8	670.1	669.4	668.8	668.1
132.5°	696.4	696.9	697.4	697.8	698.3	698.2	697.5	696.9	696.2	695.6	695.0
135°	736.4	736.9	737.4	737.9	738.4	738.4	737.9	737.4	736.9	736.4	735.8
137.5°	774.1	774.4	774.7	775.1	775.4	775.2	774.4	773.6	772.7	771.9	771.6
140°	796.6	797.0	797.3	797.6	798.0	797.8	797.1	796.5	795.8	795.2	794.7
142.5°	817.4	817.9	818.4	818.8	819.3	819.2	818.7	818.2	817.7	817.2	816.7
145°	849.4	849.4	849.4	849.4	849.4	849.2	848.9	848.6	848.2	847.9	847.6
147.5°	873.1	873.9	874.6	875.5	876.2	876.5	876.1	875.8	875.5	875.0	874.7
150°	891.0	891.5	892.0	892.5	893.0	893.0	892.7	892.4	892.1	891.7	891.4
152.5°	905.2	906.1	906.8	907.6	908.3	908.4	907.8	907.2	906.6	906.1	905.8
155°	925.1	926.1	927.2	928.2	929.2	929.3	928.4	927.6	926.8	925.9	925.7
157.5°	942.0	943.3	944.5	945.8	947.2	947.3	946.2	945.3	944.3	943.3	943.5
160°	952.7	953.8	955.0	956.1	957.4	957.4	956.4	955.4	954.4	953.4	953.6
162.5°	962.8	963.8	964.8	965.8	966.8	966.8	965.7	964.6	963.5	962.3	962.5
165°	974.9	976.1	977.2	978.5	979.6	979.5	978.2	976.8	975.5	974.2	974.4
167.5°	983.7	985.0	986.3	987.7	989.1	989.1	987.7	986.3	985.0	983.7	983.7
170°	989.1	990.4	991.7	993.1	994.4	994.4	993.1	991.7	990.4	989.1	989.1
172.5°	992.1	993.5	995.0	996.4	997.8	997.9	996.6	995.3	994.0	992.7	992.5
175°	996.5	997.8	999.2	1000.5	1001.8	1001.9	1000.8	999.6	998.5	997.2	997.1
177.5°	997.8	999.2	1000.5	1001.8	1003.1	1003.3	1002.2	1001.2	1000.1	999.1	999.0
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1125.0	1121.7	1118.2	1112.4	1107.3	1100.0	1097.9	1095.4	1087.8	1081.1	1076.0
5°	1193.8	1181.0	1162.6	1145.7	1132.0	1113.4	1102.9	1091.8	1075.9	1061.6	1050.0
7.5°	1265.7	1240.7	1211.9	1180.8	1151.9	1124.0	1101.5	1081.4	1059.1	1038.1	1021.8
10°	1322.7	1286.8	1246.7	1203.3	1166.3	1130.3	1100.1	1073.8	1045.2	1020.4	999.8
12.5°	1387.9	1334.6	1279.2	1226.6	1182.8	1132.9	1096.4	1062.8	1030.4	1000.5	977.3
15°	1465.0	1397.4	1331.7	1259.3	1192.8	1130.3	1087.0	1044.7	1007.1	976.4	946.8
17.5°	1535.2	1458.5	1372.1	1284.0	1203.7	1129.7	1069.0	1021.2	974.2	936.8	907.3
20°	1575.0	1487.7	1389.9	1298.5	1209.6	1127.1	1060.6	1003.4	952.7	913.0	879.7
22.5°	1609.2	1507.1	1405.9	1308.2	1209.2	1120.3	1044.9	986.1	931.1	892.3	856.9
25°	1644.8	1522.6	1421.1	1306.4	1195.9	1103.9	1019.3	952.7	897.7	852.2	815.8
27.5°	1675.2	1521.6	1401.1	1277.7	1175.0	1082.8	992.4	921.0	862.6	813.2	776.2
30°	1695.5	1523.7	1380.4	1258.3	1154.7	1059.4	971.7	899.8	838.5	788.3	753.4
32.5°	1708.2	1522.4	1361.4	1231.2	1122.5	1038.3	949.3	874.8	811.8	762.4	728.8
35°	1715.6	1513.1	1328.6	1175.3	1070.6	988.7	914.1	836.9	770.8	724.8	686.8
37.5°	1700.8	1493.5	1290.5	1121.4	1006.7	926.0	863.3	797.6	734.4	683.7	651.0
40°	1677.5	1480.9	1260.9	1083.3	962.7	885.0	831.6	767.1	704.7	656.6	625.9
42.5°	1633.1	1455.0	1228.3	1041.0	917.1	839.3	790.2	736.3	677.2	632.1	601.5
45°	1524.7	1398.9	1179.5	977.5	849.6	769.2	725.9	686.8	633.4	589.5	563.0
47.5°	1374.3	1314.4	1108.8	910.6	779.2	701.9	656.8	625.3	586.3	550.9	525.5
50°	1269.9	1245.1	1061.1	864.9	732.3	656.6	613.3	584.7	556.7	521.3	498.1
52.5°	1149.3	1164.7	1005.2	817.6	684.4	610.1	569.3	546.6	521.2	492.1	471.8
55°	979.7	1035.1	908.8	738.0	613.3	542.4	503.8	483.7	469.0	447.3	429.8
57.5°	820.7	891.4	804.6	656.1	543.4	482.3	445.2	423.3	413.8	402.5	388.8
60°	726.4	796.2	730.1	601.1	496.4	438.3	405.5	387.0	377.5	369.5	357.9
62.5°	642.3	712.9	657.3	545.3	450.3	396.4	367.9	349.8	342.3	338.2	328.3
65°	526.5	587.3	550.4	458.4	384.4	336.8	310.8	298.2	291.3	289.7	283.4
67.5°	428.6	474.8	447.9	380.2	321.9	280.8	258.8	248.0	242.8	242.3	237.5
70°	364.3	407.6	387.0	325.7	275.5	243.2	224.2	214.6	211.5	211.0	208.3
72.5°	314.4	344.6	328.2	277.0	238.2	208.9	195.0	185.0	181.5	182.2	180.4
75°	232.6	255.4	245.8	210.5	179.3	160.2	148.6	142.2	139.1	140.7	138.6
77.5°	167.3	181.8	173.2	148.7	129.5	115.6	107.1	103.2	100.4	100.3	99.3
80°	126.3	134.8	130.1	115.2	99.4	87.8	80.9	78.3	76.6	76.1	75.6
82.5°	90.0	97.1	91.6	81.4	70.6	63.6	59.8	56.2	55.1	55.4	54.8
85°	45.4	48.1	45.9	39.7	35.4	32.2	30.1	28.6	27.5	28.0	27.0
87.5°	18.4	18.4	16.7	14.5	13.4	11.8	11.5	10.3	9.8	10.1	10.0
90°	13.5	11.4	9.3	7.4	5.7	4.0	2.4	0.7	2.4	4.0	5.7
92.5°	15.8	14.1	12.5	12.0	12.4	12.9	13.3	13.8	13.3	12.9	12.4
95°	19.4	17.6	15.8	18.3	25.0	31.8	38.6	45.3	38.6	31.8	25.0
97.5°	47.7	59.6	71.5	79.0	82.0	85.0	88.1	91.1	88.1	85.0	82.0
100°	76.0	101.8	127.5	138.8	135.5	132.2	128.9	125.6	128.9	132.2	135.5
102.5°	105.1	133.3	161.5	174.3	172.0	169.6	167.2	164.8	167.2	169.6	172.0
105°	192.5	207.3	222.2	228.7	226.9	225.1	223.3	221.5	223.3	225.1	226.9
107.5°	293.6	291.2	288.9	287.0	285.6	284.1	282.7	281.1	282.7	284.1	285.6
110°	331.5	329.7	327.9	326.3	325.0	323.7	322.3	321.0	322.3	323.7	325.0





TEST NUMBER: P332156-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	369.0	367.2	365.4	363.9	362.6	361.4	360.2	359.1	360.2	361.4	362.6
115°	423.5	422.1	420.6	419.4	418.4	417.4	416.4	415.4	416.4	417.4	418.4
117.5°	477.4	476.6	475.8	474.8	473.6	472.4	471.2	470.0	471.2	472.4	473.6
120°	511.8	511.3	510.8	509.8	508.3	506.9	505.3	503.8	505.3	506.9	508.3
122.5°	545.4	544.7	544.1	543.2	542.0	540.8	539.6	538.4	539.6	540.8	542.0
125°	593.2	592.5	591.9	590.9	589.6	588.2	586.9	585.6	586.9	588.2	589.6
127.5°	639.2	638.5	637.7	636.6	635.3	634.0	632.7	631.4	632.7	634.0	635.3
130°	667.5	666.8	666.2	665.2	663.9	662.6	661.3	659.8	661.3	662.6	663.9
132.5°	694.5	694.0	693.5	692.6	691.2	689.8	688.5	687.2	688.5	689.8	691.2
135°	735.1	734.5	733.8	733.0	732.0	730.9	730.0	729.0	730.0	730.9	732.0
137.5°	771.2	770.8	770.5	769.7	768.4	767.2	765.9	764.7	765.9	767.2	768.4
140°	794.2	793.7	793.1	792.4	791.4	790.4	789.4	788.4	789.4	790.4	791.4
142.5°	816.2	815.7	815.2	814.5	813.4	812.4	811.4	810.4	811.4	812.4	813.4
145°	847.3	846.9	846.6	845.9	844.7	843.5	842.3	841.2	842.3	843.5	844.7
147.5°	874.4	874.1	873.7	873.2	872.4	871.7	870.9	870.2	870.9	871.7	872.4
150°	891.1	890.8	890.4	890.0	889.5	889.0	888.5	888.1	888.5	889.0	889.5
152.5°	905.6	905.4	905.2	905.0	904.7	904.5	904.3	904.0	904.3	904.5	904.7
155°	925.6	925.4	925.2	925.3	925.6	926.0	926.3	926.7	926.3	926.0	925.6
157.5°	943.6	943.8	944.0	944.1	944.1	944.1	944.2	944.2	944.2	944.1	944.1
160°	953.7	953.9	954.1	954.2	954.4	954.6	954.7	954.9	954.7	954.6	954.4
162.5°	962.7	962.8	963.0	963.3	963.7	964.1	964.6	965.0	964.6	964.1	963.7
165°	974.5	974.7	974.9	975.2	975.7	976.2	976.7	977.2	976.7	976.2	975.7
167.5°	983.7	983.7	983.7	984.1	984.7	985.4	986.0	986.7	986.0	985.4	984.7
170°	989.1	989.1	989.1	989.5	990.1	990.8	991.4	992.1	991.4	990.8	990.1
172.5°	992.4	992.3	992.1	992.5	993.3	994.0	994.8	995.6	994.8	994.0	993.3
175°	996.9	996.7	996.6	996.9	997.7	998.6	999.4	1000.3	999.4	998.6	997.7
177.5°	998.8	998.7	998.6	998.8	999.5	1000.1	1000.8	1001.4	1000.8	1000.1	999.5
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332156-840

CATALOG NUMBER: S123DIW-S775D755U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1073.0	1070.1	1065.8	1059.4	1054.4	1046.3	1046.3	1047.6	1047.6	1047.2	1046.3
5°	1040.5	1032.5	1023.0	1011.9	1000.3	988.7	986.5	982.3	979.2	977.0	974.3
7.5°	1006.1	992.0	978.2	962.6	948.5	936.8	928.6	921.8	917.5	912.8	909.5
10°	982.8	965.3	949.0	932.6	914.6	900.4	891.4	885.0	880.3	876.1	873.9
12.5°	955.3	935.3	917.3	901.7	882.0	867.4	858.8	855.9	850.2	841.3	836.7
15°	915.1	896.7	874.9	851.2	841.6	823.6	813.6	808.9	805.7	798.8	796.7
17.5°	880.8	856.6	832.2	814.5	796.8	782.2	776.6	770.7	766.5	760.8	759.2
20°	853.3	831.6	809.4	790.4	771.8	756.0	751.2	747.0	742.8	740.1	738.0
22.5°	825.4	803.8	785.3	767.5	747.8	737.4	732.3	727.6	724.6	722.9	720.7
25°	786.2	767.1	746.5	730.6	714.8	707.9	704.7	702.1	699.9	697.3	696.8
27.5°	751.0	730.3	713.6	698.8	687.4	681.7	678.6	677.3	677.8	678.7	679.3
30°	724.8	705.8	692.1	679.3	668.8	663.5	663.0	663.0	665.1	665.6	666.7
32.5°	700.7	685.1	671.4	659.0	651.1	647.4	649.4	649.4	651.2	652.5	654.4
35°	665.6	651.9	641.3	630.8	623.9	625.4	626.5	627.5	630.2	633.4	635.5
37.5°	632.1	620.2	609.2	600.9	597.7	600.6	603.1	605.3	608.4	610.9	613.0
40°	607.9	599.0	588.4	581.0	582.1	583.7	585.8	588.4	591.1	592.7	594.8
42.5°	585.5	576.1	568.2	562.0	563.5	565.5	566.7	568.2	571.2	574.0	575.3
45°	551.4	544.0	536.6	532.9	534.0	535.0	536.0	537.7	540.3	542.4	543.0
47.5°	513.0	507.9	502.9	499.3	501.0	500.6	501.9	505.3	506.1	507.5	510.4
50°	488.5	483.7	478.0	476.9	476.9	476.9	477.4	481.6	481.6	483.7	485.8
52.5°	461.4	458.4	454.6	452.7	451.9	451.9	454.1	456.3	457.1	460.1	462.2
55°	421.3	418.2	415.1	413.4	412.3	413.4	417.7	418.7	421.3	422.9	424.5
57.5°	379.6	377.2	374.7	373.8	373.5	375.0	377.3	380.4	381.1	386.0	388.4
60°	352.1	348.4	346.3	346.3	345.3	350.0	348.9	354.3	355.3	358.4	362.1
62.5°	323.8	318.8	317.9	317.9	319.4	320.8	322.2	324.6	327.4	331.3	334.3
65°	278.1	275.5	279.1	278.6	277.5	280.7	280.7	283.4	286.5	290.2	296.1
67.5°	234.8	233.5	233.8	233.8	235.4	237.2	238.6	241.0	244.8	248.7	252.5
70°	205.6	207.2	204.6	206.7	208.3	208.8	209.8	213.1	217.3	219.9	224.2
72.5°	177.3	177.2	177.5	178.3	180.0	180.9	182.0	185.6	190.3	192.5	195.8
75°	136.4	135.8	137.4	137.4	140.1	141.2	142.2	143.8	148.0	151.2	153.8
77.5°	99.6	100.3	99.9	101.7	101.0	101.2	104.4	106.0	106.4	112.7	114.1
80°	75.0	76.1	76.6	77.2	77.8	76.6	80.4	81.9	81.9	85.6	88.3
82.5°	53.9	54.5	55.9	56.5	56.6	57.7	58.0	59.1	60.4	62.0	65.4
85°	27.0	28.6	29.1	28.6	29.1	28.0	29.6	30.1	30.7	30.7	30.7
87.5°	9.9	10.7	10.7	11.6	11.6	12.4	12.6	11.9	12.0	13.4	11.8
90°	7.4	9.3	11.4	13.5	15.7	17.9	18.5	19.2	19.8	20.5	21.0
92.5°	12.0	12.5	14.1	15.8	17.4	19.0	20.1	21.1	22.2	23.2	23.8
95°	18.3	15.8	17.6	19.4	21.2	23.0	24.2	25.3	26.5	27.7	28.3
97.5°	79.0	71.5	59.6	47.7	35.9	23.9	25.2	26.6	27.9	29.2	30.0
100°	138.8	127.5	101.8	76.0	50.3	24.5	25.9	27.2	28.5	29.8	30.6
102.5°	174.3	161.5	133.3	105.1	77.1	48.9	44.8	40.7	36.7	32.5	30.6
105°	228.7	222.2	207.3	192.5	177.6	162.8	133.5	104.3	75.0	45.8	31.4
107.5°	287.0	288.9	291.2	293.6	296.0	298.3	276.8	255.4	234.0	212.6	190.9
110°	326.3	327.9	329.7	331.5	333.4	335.2	329.7	324.3	318.8	313.4	298.8



TEST NUMBER: P332156-840

CATALOG NUMBER: S123DIW-S775D755U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	363.9	365.4	367.2	369.0	370.8	372.6	372.7	372.8	372.9	373.0	370.5
115°	419.4	420.6	422.1	423.5	425.1	426.6	428.2	429.9	431.5	433.1	434.3
117.5°	474.8	475.8	476.6	477.4	478.1	478.9	480.2	481.5	482.8	484.1	484.8
120°	509.8	510.8	511.3	511.8	512.3	512.7	514.1	515.4	516.7	518.1	518.7
122.5°	543.2	544.1	544.7	545.4	546.0	546.6	547.5	548.5	549.4	550.4	550.9
125°	590.9	591.9	592.5	593.2	593.8	594.5	594.8	595.1	595.5	595.8	596.1
127.5°	636.6	637.7	638.5	639.2	640.1	640.9	641.4	642.0	642.5	643.0	643.1
130°	665.2	666.2	666.8	667.5	668.1	668.8	669.4	670.1	670.8	671.5	671.7
132.5°	692.6	693.5	694.0	694.5	695.0	695.6	696.2	696.9	697.5	698.2	698.3
135°	733.0	733.8	734.5	735.1	735.8	736.4	736.9	737.4	737.9	738.4	738.4
137.5°	769.7	770.5	770.8	771.2	771.6	771.9	772.7	773.6	774.4	775.2	775.4
140°	792.4	793.1	793.7	794.2	794.7	795.2	795.8	796.5	797.1	797.8	798.0
142.5°	814.5	815.2	815.7	816.2	816.7	817.2	817.7	818.2	818.7	819.2	819.3
145°	845.9	846.6	846.9	847.3	847.6	847.9	848.2	848.6	848.9	849.2	849.4
147.5°	873.2	873.7	874.1	874.4	874.7	875.0	875.5	875.8	876.1	876.5	876.2
150°	890.0	890.4	890.8	891.1	891.4	891.7	892.1	892.4	892.7	893.0	893.0
152.5°	905.0	905.2	905.4	905.6	905.8	906.1	906.6	907.2	907.8	908.4	908.3
155°	925.3	925.2	925.4	925.6	925.7	925.9	926.8	927.6	928.4	929.3	929.2
157.5°	944.1	944.0	943.8	943.6	943.5	943.3	944.3	945.3	946.2	947.3	947.2
160°	954.2	954.1	953.9	953.7	953.6	953.4	954.4	955.4	956.4	957.4	957.4
162.5°	963.3	963.0	962.8	962.7	962.5	962.3	963.5	964.6	965.7	966.8	966.8
165°	975.2	974.9	974.7	974.5	974.4	974.2	975.5	976.8	978.2	979.5	979.6
167.5°	984.1	983.7	983.7	983.7	983.7	983.7	985.0	986.3	987.7	989.1	989.1
170°	989.5	989.1	989.1	989.1	989.1	989.1	990.4	991.7	993.1	994.4	994.4
172.5°	992.5	992.1	992.3	992.4	992.5	992.7	994.0	995.3	996.6	997.9	997.8
175°	996.9	996.6	996.7	996.9	997.1	997.2	998.5	999.6	1000.8	1001.9	1001.8
177.5°	998.8	998.6	998.7	998.8	999.0	999.1	1000.1	1001.2	1002.2	1003.3	1003.1
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332156-840

CATALOG NUMBER: S123DIW-S775D755U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1043.4	1043.0	1045.9	1043.8	1045.9	1043.0	1043.4	1046.3	1047.2	1047.6	1047.6
5°	971.2	972.8	967.5	967.5	967.5	972.8	971.2	974.3	977.0	979.2	982.3
7.5°	906.9	904.5	904.7	901.9	904.7	904.5	906.9	909.5	912.8	917.5	921.8
10°	867.6	864.4	863.3	863.8	863.3	864.4	867.6	873.9	876.1	880.3	885.0
12.5°	835.0	834.4	827.4	827.5	827.4	834.4	835.0	836.7	841.3	850.2	855.9
15°	796.7	786.7	785.6	788.8	785.6	786.7	796.7	796.7	798.8	805.7	808.9
17.5°	758.3	753.1	753.4	751.7	753.4	753.1	758.3	759.2	760.8	766.5	770.7
20°	738.0	734.9	734.4	730.6	734.4	734.9	738.0	738.0	740.1	742.8	747.0
22.5°	719.4	718.4	718.7	714.6	718.7	718.4	719.4	720.7	722.9	724.6	727.6
25°	696.3	698.9	696.8	696.8	696.8	698.9	696.3	696.8	697.3	699.9	702.1
27.5°	680.6	680.5	679.4	679.4	679.4	680.5	680.6	679.3	678.7	677.8	677.3
30°	668.8	668.2	669.3	669.3	669.3	668.2	668.8	666.7	665.6	665.1	663.0
32.5°	656.9	657.7	657.9	658.3	657.9	657.7	656.9	654.4	652.5	651.2	649.4
35°	638.6	639.1	640.8	639.7	640.8	639.1	638.6	635.5	633.4	630.2	627.5
37.5°	613.9	616.3	615.8	616.6	615.8	616.3	613.9	613.0	610.9	608.4	605.3
40°	595.3	596.9	596.3	596.3	596.3	596.9	595.3	594.8	592.7	591.1	588.4
42.5°	576.2	577.4	576.0	575.2	576.0	577.4	576.2	575.3	574.0	571.2	568.2
45°	545.0	544.0	545.6	543.5	545.6	544.0	545.0	543.0	542.4	540.3	537.7
47.5°	510.2	511.2	511.7	513.2	511.7	511.2	510.2	510.4	507.5	506.1	505.3
50°	487.0	490.1	490.1	489.6	490.1	490.1	487.0	485.8	483.7	481.6	481.6
52.5°	464.0	465.5	467.7	467.6	467.7	465.5	464.0	462.2	460.1	457.1	456.3
55°	428.8	429.8	430.9	431.4	430.9	429.8	428.8	424.5	422.9	421.3	418.7
57.5°	392.1	391.7	394.3	395.1	394.3	391.7	392.1	388.4	386.0	381.1	380.4
60°	366.4	366.4	370.6	372.2	370.6	366.4	366.4	362.1	358.4	355.3	354.3
62.5°	338.9	340.6	344.8	342.5	344.8	340.6	338.9	334.3	331.3	327.4	324.6
65°	298.7	303.0	302.5	304.5	302.5	303.0	298.7	296.1	290.2	286.5	283.4
67.5°	256.7	259.3	263.2	263.5	263.2	259.3	256.7	252.5	248.7	244.8	241.0
70°	228.4	231.1	233.2	234.7	233.2	231.1	228.4	224.2	219.9	217.3	213.1
72.5°	200.9	202.3	207.3	205.1	207.3	202.3	200.9	195.8	192.5	190.3	185.6
75°	157.5	161.3	164.4	162.8	164.4	161.3	157.5	153.8	151.2	148.0	143.8
77.5°	116.5	120.2	121.7	120.4	121.7	120.2	116.5	114.1	112.7	106.4	106.0
80°	92.0	91.5	94.6	94.1	94.6	91.5	92.0	88.3	85.6	81.9	81.9
82.5°	67.5	67.0	68.4	68.8	68.4	67.0	67.5	65.4	62.0	60.4	59.1
85°	32.8	34.3	32.2	31.7	32.2	34.3	32.8	30.7	30.7	30.7	30.1
87.5°	11.9	11.9	11.6	11.2	11.6	11.9	11.9	11.8	13.4	12.0	11.9
90°	21.3	21.6	21.9	22.3	21.9	21.6	21.3	21.0	20.5	19.8	19.2
92.5°	24.0	24.2	24.4	24.6	24.4	24.2	24.0	23.8	23.2	22.2	21.1
95°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	27.7	26.5	25.3
97.5°	30.1	30.3	30.5	30.6	30.5	30.3	30.1	30.0	29.2	27.9	26.6
100°	30.7	30.9	31.0	31.2	31.0	30.9	30.7	30.6	29.8	28.5	27.2
102.5°	30.9	31.2	31.5	31.8	31.5	31.2	30.9	30.6	32.5	36.7	40.7
105°	31.7	32.0	32.4	32.7	32.4	32.0	31.7	31.4	45.8	75.0	104.3
107.5°	168.7	146.7	124.7	102.7	124.7	146.7	168.7	190.9	212.6	234.0	255.4
110°	275.2	251.6	227.9	204.4	227.9	251.6	275.2	298.8	313.4	318.8	324.3



TEST NUMBER: P332156-840

CATALOG NUMBER: S123DIW-S775D755U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	365.6	360.6	355.6	350.6	355.6	360.6	365.6	370.5	373.0	372.9	372.8
115°	434.9	435.7	436.3	437.0	436.3	435.7	434.9	434.3	433.1	431.5	429.9
117.5°	485.0	485.1	485.2	485.4	485.2	485.1	485.0	484.8	484.1	482.8	481.5
120°	518.7	518.7	518.7	518.7	518.7	518.7	518.7	518.7	518.1	516.7	515.4
122.5°	551.0	551.1	551.3	551.4	551.3	551.1	551.0	550.9	550.4	549.4	548.5
125°	596.5	596.8	597.1	597.4	597.1	596.8	596.5	596.1	595.8	595.5	595.1
127.5°	642.8	642.4	642.1	641.8	642.1	642.4	642.8	643.1	643.0	642.5	642.0
130°	671.3	671.0	670.7	670.2	670.7	671.0	671.3	671.7	671.5	670.8	670.1
132.5°	697.8	697.4	696.9	696.4	696.9	697.4	697.8	698.3	698.2	697.5	696.9
135°	737.9	737.4	736.9	736.4	736.9	737.4	737.9	738.4	738.4	737.9	737.4
137.5°	775.1	774.7	774.4	774.1	774.4	774.7	775.1	775.4	775.2	774.4	773.6
140°	797.6	797.3	797.0	796.6	797.0	797.3	797.6	798.0	797.8	797.1	796.5
142.5°	818.8	818.4	817.9	817.4	817.9	818.4	818.8	819.3	819.2	818.7	818.2
145°	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.2	848.9	848.6
147.5°	875.5	874.6	873.9	873.1	873.9	874.6	875.5	876.2	876.5	876.1	875.8
150°	892.5	892.0	891.5	891.0	891.5	892.0	892.5	893.0	893.0	892.7	892.4
152.5°	907.6	906.8	906.1	905.2	906.1	906.8	907.6	908.3	908.4	907.8	907.2
155°	928.2	927.2	926.1	925.1	926.1	927.2	928.2	929.2	929.3	928.4	927.6
157.5°	945.8	944.5	943.3	942.0	943.3	944.5	945.8	947.2	947.3	946.2	945.3
160°	956.1	955.0	953.8	952.7	953.8	955.0	956.1	957.4	957.4	956.4	955.4
162.5°	965.8	964.8	963.8	962.8	963.8	964.8	965.8	966.8	966.8	965.7	964.6
165°	978.5	977.2	976.1	974.9	976.1	977.2	978.5	979.6	979.5	978.2	976.8
167.5°	987.7	986.3	985.0	983.7	985.0	986.3	987.7	989.1	989.1	987.7	986.3
170°	993.1	991.7	990.4	989.1	990.4	991.7	993.1	994.4	994.4	993.1	991.7
172.5°	996.4	995.0	993.5	992.1	993.5	995.0	996.4	997.8	997.9	996.6	995.3
175°	1000.5	999.2	997.8	996.5	997.8	999.2	1000.5	1001.8	1001.9	1000.8	999.6
177.5°	1001.8	1000.5	999.2	997.8	999.2	1000.5	1001.8	1003.1	1003.3	1002.2	1001.2
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332156-840

CATALOG NUMBER: S123DIW-S775D755U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1046.3	1046.3	1054.4	1059.4	1065.8	1070.1	1073.0	1076.0	1081.1	1087.8	1095.4
5°	986.5	988.7	1000.3	1011.9	1023.0	1032.5	1040.5	1050.0	1061.6	1075.9	1091.8
7.5°	928.6	936.8	948.5	962.6	978.2	992.0	1006.1	1021.8	1038.1	1059.1	1081.4
10°	891.4	900.4	914.6	932.6	949.0	965.3	982.8	999.8	1020.4	1045.2	1073.8
12.5°	858.8	867.4	882.0	901.7	917.3	935.3	955.3	977.3	1000.5	1030.4	1062.8
15°	813.6	823.6	841.6	851.2	874.9	896.7	915.1	946.8	976.4	1007.1	1044.7
17.5°	776.6	782.2	796.8	814.5	832.2	856.6	880.8	907.3	936.8	974.2	1021.2
20°	751.2	756.0	771.8	790.4	809.4	831.6	853.3	879.7	913.0	952.7	1003.4
22.5°	732.3	737.4	747.8	767.5	785.3	803.8	825.4	856.9	892.3	931.1	986.1
25°	704.7	707.9	714.8	730.6	746.5	767.1	786.2	815.8	852.2	897.7	952.7
27.5°	678.6	681.7	687.4	698.8	713.6	730.3	751.0	776.2	813.2	862.6	921.0
30°	663.0	663.5	668.8	679.3	692.1	705.8	724.8	753.4	788.3	838.5	899.8
32.5°	649.4	647.4	651.1	659.0	671.4	685.1	700.7	728.8	762.4	811.8	874.8
35°	626.5	625.4	623.9	630.8	641.3	651.9	665.6	686.8	724.8	770.8	836.9
37.5°	603.1	600.6	597.7	600.9	609.2	620.2	632.1	651.0	683.7	734.4	797.6
40°	585.8	583.7	582.1	581.0	588.4	599.0	607.9	625.9	656.6	704.7	767.1
42.5°	566.7	565.5	563.5	562.0	568.2	576.1	585.5	601.5	632.1	677.2	736.3
45°	536.0	535.0	534.0	532.9	536.6	544.0	551.4	563.0	589.5	633.4	686.8
47.5°	501.9	500.6	501.0	499.3	502.9	507.9	513.0	525.5	550.9	586.3	625.3
50°	477.4	476.9	476.9	476.9	478.0	483.7	488.5	498.1	521.3	556.7	584.7
52.5°	454.1	451.9	451.9	452.7	454.6	458.4	461.4	471.8	492.1	521.2	546.6
55°	417.7	413.4	412.3	413.4	415.1	418.2	421.3	429.8	447.3	469.0	483.7
57.5°	377.3	375.0	373.5	373.8	374.7	377.2	379.6	388.8	402.5	413.8	423.3
60°	348.9	350.0	345.3	346.3	346.3	348.4	352.1	357.9	369.5	377.5	387.0
62.5°	322.2	320.8	319.4	317.9	317.9	318.8	323.8	328.3	338.2	342.3	349.8
65°	280.7	280.7	277.5	278.6	279.1	275.5	278.1	283.4	289.7	291.3	298.2
67.5°	238.6	237.2	235.4	233.8	233.8	233.5	234.8	237.5	242.3	242.8	248.0
70°	209.8	208.8	208.3	206.7	204.6	207.2	205.6	208.3	211.0	211.5	214.6
72.5°	182.0	180.9	180.0	178.3	177.5	177.2	177.3	180.4	182.2	181.5	185.0
75°	142.2	141.2	140.1	137.4	137.4	135.8	136.4	138.6	140.7	139.1	142.2
77.5°	104.4	101.2	101.0	101.7	99.9	100.3	99.6	99.3	100.3	100.4	103.2
80°	80.4	76.6	77.8	77.2	76.6	76.1	75.0	75.6	76.1	76.6	78.3
82.5°	58.0	57.7	56.6	56.5	55.9	54.5	53.9	54.8	55.4	55.1	56.2
85°	29.6	28.0	29.1	28.6	29.1	28.6	27.0	27.0	28.0	27.5	28.6
87.5°	12.6	12.4	11.6	11.6	10.7	10.7	9.9	10.0	10.1	9.8	10.3
90°	18.5	17.9	15.7	13.5	11.4	9.3	7.4	5.7	4.0	2.4	0.7
92.5°	20.1	19.0	17.4	15.8	14.1	12.5	12.0	12.4	12.9	13.3	13.8
95°	24.2	23.0	21.2	19.4	17.6	15.8	18.3	25.0	31.8	38.6	45.3
97.5°	25.2	23.9	35.9	47.7	59.6	71.5	79.0	82.0	85.0	88.1	91.1
100°	25.9	24.5	50.3	76.0	101.8	127.5	138.8	135.5	132.2	128.9	125.6
102.5°	44.8	48.9	77.1	105.1	133.3	161.5	174.3	172.0	169.6	167.2	164.8
105°	133.5	162.8	177.6	192.5	207.3	222.2	228.7	226.9	225.1	223.3	221.5
107.5°	276.8	298.3	296.0	293.6	291.2	288.9	287.0	285.6	284.1	282.7	281.1
110°	329.7	335.2	333.4	331.5	329.7	327.9	326.3	325.0	323.7	322.3	321.0



TEST NUMBER: P332156-840

CATALOG NUMBER: S123DIW-S775D755U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	372.7	372.6	370.8	369.0	367.2	365.4	363.9	362.6	361.4	360.2	359.1
115°	428.2	426.6	425.1	423.5	422.1	420.6	419.4	418.4	417.4	416.4	415.4
117.5°	480.2	478.9	478.1	477.4	476.6	475.8	474.8	473.6	472.4	471.2	470.0
120°	514.1	512.7	512.3	511.8	511.3	510.8	509.8	508.3	506.9	505.3	503.8
122.5°	547.5	546.6	546.0	545.4	544.7	544.1	543.2	542.0	540.8	539.6	538.4
125°	594.8	594.5	593.8	593.2	592.5	591.9	590.9	589.6	588.2	586.9	585.6
127.5°	641.4	640.9	640.1	639.2	638.5	637.7	636.6	635.3	634.0	632.7	631.4
130°	669.4	668.8	668.1	667.5	666.8	666.2	665.2	663.9	662.6	661.3	659.8
132.5°	696.2	695.6	695.0	694.5	694.0	693.5	692.6	691.2	689.8	688.5	687.2
135°	736.9	736.4	735.8	735.1	734.5	733.8	733.0	732.0	730.9	730.0	729.0
137.5°	772.7	771.9	771.6	771.2	770.8	770.5	769.7	768.4	767.2	765.9	764.7
140°	795.8	795.2	794.7	794.2	793.7	793.1	792.4	791.4	790.4	789.4	788.4
142.5°	817.7	817.2	816.7	816.2	815.7	815.2	814.5	813.4	812.4	811.4	810.4
145°	848.2	847.9	847.6	847.3	846.9	846.6	845.9	844.7	843.5	842.3	841.2
147.5°	875.5	875.0	874.7	874.4	874.1	873.7	873.2	872.4	871.7	870.9	870.2
150°	892.1	891.7	891.4	891.1	890.8	890.4	890.0	889.5	889.0	888.5	888.1
152.5°	906.6	906.1	905.8	905.6	905.4	905.2	905.0	904.7	904.5	904.3	904.0
155°	926.8	925.9	925.7	925.6	925.4	925.2	925.3	925.6	926.0	926.3	926.7
157.5°	944.3	943.3	943.5	943.6	943.8	944.0	944.1	944.1	944.1	944.2	944.2
160°	954.4	953.4	953.6	953.7	953.9	954.1	954.2	954.4	954.6	954.7	954.9
162.5°	963.5	962.3	962.5	962.7	962.8	963.0	963.3	963.7	964.1	964.6	965.0
165°	975.5	974.2	974.4	974.5	974.7	974.9	975.2	975.7	976.2	976.7	977.2
167.5°	985.0	983.7	983.7	983.7	983.7	983.7	984.1	984.7	985.4	986.0	986.7
170°	990.4	989.1	989.1	989.1	989.1	989.1	989.5	990.1	990.8	991.4	992.1
172.5°	994.0	992.7	992.5	992.4	992.3	992.1	992.5	993.3	994.0	994.8	995.6
175°	998.5	997.2	997.1	996.9	996.7	996.6	996.9	997.7	998.6	999.4	1000.3
177.5°	1000.1	999.1	999.0	998.8	998.7	998.6	998.8	999.5	1000.1	1000.8	1001.4
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



TEST NUMBER: P332156-840

CATALOG NUMBER: S123DIW-S775D755U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1097.9	1100.0	1107.3	1112.4	1118.2	1121.7	1125.0	1127.6	1130.9	1131.8	1144.1
5°	1102.9	1113.4	1132.0	1145.7	1162.6	1181.0	1193.8	1199.6	1214.9	1227.6	1252.9
7.5°	1101.5	1124.0	1151.9	1180.8	1211.9	1240.7	1265.7	1295.3	1316.4	1348.0	1379.1
10°	1100.1	1130.3	1166.3	1203.3	1246.7	1286.8	1322.7	1362.9	1396.2	1440.2	1477.6
12.5°	1096.4	1132.9	1182.8	1226.6	1279.2	1334.6	1387.9	1439.5	1468.9	1542.1	1576.6
15°	1087.0	1130.3	1192.8	1259.3	1331.7	1397.4	1465.0	1518.9	1606.1	1670.1	1710.8
17.5°	1069.0	1129.7	1203.7	1284.0	1372.1	1458.5	1535.2	1617.0	1709.5	1787.0	1869.5
20°	1060.6	1127.1	1209.6	1298.5	1389.9	1487.7	1575.0	1673.2	1774.2	1850.4	1956.1
22.5°	1044.9	1120.3	1209.2	1308.2	1405.9	1507.1	1609.2	1708.4	1825.0	1930.0	2030.5
25°	1019.3	1103.9	1195.9	1306.4	1421.1	1522.6	1644.8	1776.4	1897.9	2032.8	2133.2
27.5°	992.4	1082.8	1175.0	1277.7	1401.1	1521.6	1675.2	1823.9	1972.7	2089.0	2163.3
30°	971.7	1059.4	1154.7	1258.3	1380.4	1523.7	1695.5	1857.7	2002.7	2102.5	2144.3
32.5°	949.3	1038.3	1122.5	1231.2	1361.4	1522.4	1708.2	1877.6	2004.4	2070.8	2062.8
35°	914.1	988.7	1070.6	1175.3	1328.6	1513.1	1715.6	1879.5	1957.2	1942.9	1835.0
37.5°	863.3	926.0	1006.7	1121.4	1290.5	1493.5	1700.8	1823.7	1818.7	1702.4	1546.2
40°	831.6	885.0	962.7	1083.3	1260.9	1480.9	1677.5	1757.4	1689.7	1527.3	1340.2
42.5°	790.2	839.3	917.1	1041.0	1228.3	1455.0	1633.1	1656.3	1523.9	1337.1	1165.5
45°	725.9	769.2	849.6	977.5	1179.5	1398.9	1524.7	1468.1	1290.0	1097.0	966.4
47.5°	656.8	701.9	779.2	910.6	1108.8	1314.4	1374.3	1254.1	1071.1	914.6	794.8
50°	613.3	656.6	732.3	864.9	1061.1	1245.1	1269.9	1114.5	946.3	808.9	710.5
52.5°	569.3	610.1	684.4	817.6	1005.2	1164.7	1149.3	991.0	836.4	719.2	642.1
55°	503.8	542.4	613.3	738.0	908.8	1035.1	979.7	828.5	700.5	609.6	550.9
57.5°	445.2	482.3	543.4	656.1	804.6	891.4	820.7	693.3	591.6	521.6	477.9
60°	405.5	438.3	496.4	601.1	730.1	796.2	726.4	613.8	528.2	472.1	433.0
62.5°	367.9	396.4	450.3	545.3	657.3	712.9	642.3	546.9	474.0	424.3	391.1
65°	310.8	336.8	384.4	458.4	550.4	587.3	526.5	449.4	392.8	355.8	333.6
67.5°	258.8	280.8	321.9	380.2	447.9	474.8	428.6	368.8	326.2	296.5	278.8
70°	224.2	243.2	275.5	325.7	387.0	407.6	364.3	315.1	283.9	260.1	243.7
72.5°	195.0	208.9	238.2	277.0	328.2	344.6	314.4	271.1	242.1	224.2	211.2
75°	148.6	160.2	179.3	210.5	245.8	255.4	232.6	205.6	186.1	173.4	163.4
77.5°	107.1	115.6	129.5	148.7	173.2	181.8	167.3	149.4	135.1	126.5	121.0
80°	80.9	87.8	99.4	115.2	130.1	134.8	126.3	112.6	102.6	97.9	93.0
82.5°	59.8	63.6	70.6	81.4	91.6	97.1	90.0	81.7	76.3	72.0	70.2
85°	30.1	32.2	35.4	39.7	45.9	48.1	45.4	43.3	40.2	37.6	37.6
87.5°	11.5	11.8	13.4	14.5	16.7	18.4	18.4	18.0	18.0	17.7	17.4
90°	2.4	4.0	5.7	7.4	9.3	11.4	13.5	15.7	17.9	18.5	19.2
92.5°	13.3	12.9	12.4	12.0	12.5	14.1	15.8	17.4	19.0	20.1	21.1
95°	38.6	31.8	25.0	18.3	15.8	17.6	19.4	21.2	23.0	24.2	25.3
97.5°	88.1	85.0	82.0	79.0	71.5	59.6	47.7	35.9	23.9	25.2	26.6
100°	128.9	132.2	135.5	138.8	127.5	101.8	76.0	50.3	24.5	25.9	27.2
102.5°	167.2	169.6	172.0	174.3	161.5	133.3	105.1	77.1	48.9	44.8	40.7
105°	223.3	225.1	226.9	228.7	222.2	207.3	192.5	177.6	162.8	133.5	104.3
107.5°	282.7	284.1	285.6	287.0	288.9	291.2	293.6	296.0	298.3	276.8	255.4
110°	322.3	323.7	325.0	326.3	327.9	329.7	331.5	333.4	335.2	329.7	324.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	360.2	361.4	362.6	363.9	365.4	367.2	369.0	370.8	372.6	372.7	372.8
115°	416.4	417.4	418.4	419.4	420.6	422.1	423.5	425.1	426.6	428.2	429.9
117.5°	471.2	472.4	473.6	474.8	475.8	476.6	477.4	478.1	478.9	480.2	481.5
120°	505.3	506.9	508.3	509.8	510.8	511.3	511.8	512.3	512.7	514.1	515.4
122.5°	539.6	540.8	542.0	543.2	544.1	544.7	545.4	546.0	546.6	547.5	548.5
125°	586.9	588.2	589.6	590.9	591.9	592.5	593.2	593.8	594.5	594.8	595.1
127.5°	632.7	634.0	635.3	636.6	637.7	638.5	639.2	640.1	640.9	641.4	642.0
130°	661.3	662.6	663.9	665.2	666.2	666.8	667.5	668.1	668.8	669.4	670.1
132.5°	688.5	689.8	691.2	692.6	693.5	694.0	694.5	695.0	695.6	696.2	696.9
135°	730.0	730.9	732.0	733.0	733.8	734.5	735.1	735.8	736.4	736.9	737.4
137.5°	765.9	767.2	768.4	769.7	770.5	770.8	771.2	771.6	771.9	772.7	773.6
140°	789.4	790.4	791.4	792.4	793.1	793.7	794.2	794.7	795.2	795.8	796.5
142.5°	811.4	812.4	813.4	814.5	815.2	815.7	816.2	816.7	817.2	817.7	818.2
145°	842.3	843.5	844.7	845.9	846.6	846.9	847.3	847.6	847.9	848.2	848.6
147.5°	870.9	871.7	872.4	873.2	873.7	874.1	874.4	874.7	875.0	875.5	875.8
150°	888.5	889.0	889.5	890.0	890.4	890.8	891.1	891.4	891.7	892.1	892.4
152.5°	904.3	904.5	904.7	905.0	905.2	905.4	905.6	905.8	906.1	906.6	907.2
155°	926.3	926.0	925.6	925.3	925.2	925.4	925.6	925.7	925.9	926.8	927.6
157.5°	944.2	944.1	944.1	944.1	944.0	943.8	943.6	943.5	943.3	944.3	945.3
160°	954.7	954.6	954.4	954.2	954.1	953.9	953.7	953.6	953.4	954.4	955.4
162.5°	964.6	964.1	963.7	963.3	963.0	962.8	962.7	962.5	962.3	963.5	964.6
165°	976.7	976.2	975.7	975.2	974.9	974.7	974.5	974.4	974.2	975.5	976.8
167.5°	986.0	985.4	984.7	984.1	983.7	983.7	983.7	983.7	983.7	985.0	986.3
170°	991.4	990.8	990.1	989.5	989.1	989.1	989.1	989.1	989.1	990.4	991.7
172.5°	994.8	994.0	993.3	992.5	992.1	992.3	992.4	992.5	992.7	994.0	995.3
175°	999.4	998.6	997.7	996.9	996.6	996.7	996.9	997.1	997.2	998.5	999.6
177.5°	1000.8	1000.1	999.5	998.8	998.6	998.7	998.8	999.0	999.1	1000.1	1001.2
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2	1091.2
2.5°	1148.3	1148.7	1153.4	1156.8	1155.1	1157.2	1158.0
5°	1254.6	1273.6	1283.6	1291.0	1291.6	1292.1	1296.4
7.5°	1405.2	1425.6	1440.6	1463.2	1470.0	1477.6	1475.4
10°	1515.2	1545.3	1571.2	1585.0	1599.8	1621.4	1604.1
12.5°	1618.0	1671.4	1710.8	1732.2	1746.2	1750.5	1741.9
15°	1787.5	1857.2	1894.8	1893.7	1941.4	1962.0	1929.7
17.5°	1942.9	2007.3	2058.9	2085.4	2125.0	2133.7	2129.7
20°	2038.1	2108.4	2148.6	2194.0	2214.6	2233.1	2236.3
22.5°	2120.1	2183.2	2226.3	2264.2	2281.5	2290.3	2295.5
25°	2204.6	2254.3	2280.2	2293.4	2298.1	2297.1	2290.3
27.5°	2198.8	2202.6	2174.0	2146.1	2121.0	2092.7	2083.0
30°	2141.7	2097.3	2018.0	1973.1	1906.9	1854.6	1875.7
32.5°	1991.6	1903.2	1814.1	1715.9	1634.6	1611.4	1588.1
35°	1699.7	1544.3	1453.4	1347.6	1305.4	1263.0	1234.0
37.5°	1375.1	1254.9	1147.0	1077.8	1035.5	1008.8	994.3
40°	1189.0	1080.7	991.8	935.7	903.5	873.4	869.2
42.5°	1040.6	939.8	872.9	828.3	797.4	784.6	775.3
45°	852.2	781.9	737.0	705.3	684.7	676.7	666.1
47.5°	721.3	671.7	637.9	616.3	600.8	594.9	594.0
50°	648.1	606.9	582.1	565.1	553.0	550.9	542.4
52.5°	593.2	557.4	538.1	523.3	514.5	508.6	506.0
55°	514.9	491.1	473.7	465.2	458.4	452.5	452.5
57.5°	450.5	430.7	419.1	411.9	409.8	405.7	403.0
60°	410.8	393.8	384.9	378.5	374.4	374.9	370.1
62.5°	371.8	360.9	352.3	346.0	340.9	341.0	341.3
65°	316.7	308.2	301.8	299.7	296.6	292.9	294.0
67.5°	268.3	260.4	255.5	251.9	250.9	248.8	251.9
70°	233.7	227.8	224.2	221.0	219.9	220.5	223.1
72.5°	202.0	197.8	195.4	193.9	191.6	191.7	193.5
75°	158.6	155.4	153.3	151.7	151.2	151.2	151.2
77.5°	116.5	115.8	114.8	112.5	112.6	113.2	113.3
80°	92.0	90.4	89.9	88.9	87.3	86.1	88.9
82.5°	68.8	67.2	66.7	66.4	63.9	63.7	65.9
85°	37.0	35.4	36.0	35.4	35.4	34.9	34.9
87.5°	17.1	16.8	16.5	17.0	16.6	16.3	17.2
90°	19.8	20.5	21.0	21.3	21.6	21.9	22.3
92.5°	22.2	23.2	23.8	24.0	24.2	24.4	24.6
95°	26.5	27.7	28.3	28.3	28.3	28.3	28.3
97.5°	27.9	29.2	30.0	30.1	30.3	30.5	30.6
100°	28.5	29.8	30.6	30.7	30.9	31.0	31.2
102.5°	36.7	32.5	30.6	30.9	31.2	31.5	31.8
105°	75.0	45.8	31.4	31.7	32.0	32.4	32.7
107.5°	234.0	212.6	190.9	168.7	146.7	124.7	102.7
110°	318.8	313.4	298.8	275.2	251.6	227.9	204.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	372.9	373.0	370.5	365.6	360.6	355.6	350.6
115°	431.5	433.1	434.3	434.9	435.7	436.3	437.0
117.5°	482.8	484.1	484.8	485.0	485.1	485.2	485.4
120°	516.7	518.1	518.7	518.7	518.7	518.7	518.7
122.5°	549.4	550.4	550.9	551.0	551.1	551.3	551.4
125°	595.5	595.8	596.1	596.5	596.8	597.1	597.4
127.5°	642.5	643.0	643.1	642.8	642.4	642.1	641.8
130°	670.8	671.5	671.7	671.3	671.0	670.7	670.2
132.5°	697.5	698.2	698.3	697.8	697.4	696.9	696.4
135°	737.9	738.4	738.4	737.9	737.4	736.9	736.4
137.5°	774.4	775.2	775.4	775.1	774.7	774.4	774.1
140°	797.1	797.8	798.0	797.6	797.3	797.0	796.6
142.5°	818.7	819.2	819.3	818.8	818.4	817.9	817.4
145°	848.9	849.2	849.4	849.4	849.4	849.4	849.4
147.5°	876.1	876.5	876.2	875.5	874.6	873.9	873.1
150°	892.7	893.0	893.0	892.5	892.0	891.5	891.0
152.5°	907.8	908.4	908.3	907.6	906.8	906.1	905.2
155°	928.4	929.3	929.2	928.2	927.2	926.1	925.1
157.5°	946.2	947.3	947.2	945.8	944.5	943.3	942.0
160°	956.4	957.4	957.4	956.1	955.0	953.8	952.7
162.5°	965.7	966.8	966.8	965.8	964.8	963.8	962.8
165°	978.2	979.5	979.6	978.5	977.2	976.1	974.9
167.5°	987.7	989.1	989.1	987.7	986.3	985.0	983.7
170°	993.1	994.4	994.4	993.1	991.7	990.4	989.1
172.5°	996.6	997.9	997.8	996.4	995.0	993.5	992.1
175°	1000.8	1001.9	1001.8	1000.5	999.2	997.8	996.5
177.5°	1002.2	1003.3	1003.1	1001.8	1000.5	999.2	997.8
180°	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3	1000.3

(END OF REPORT)