

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: P332018-935

Luminaire Tested: **S123DIP-S1000D805U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332018-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1000D805U935-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6415.4 lumens
Efficiency: N/A
Efficacy: 117.9 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

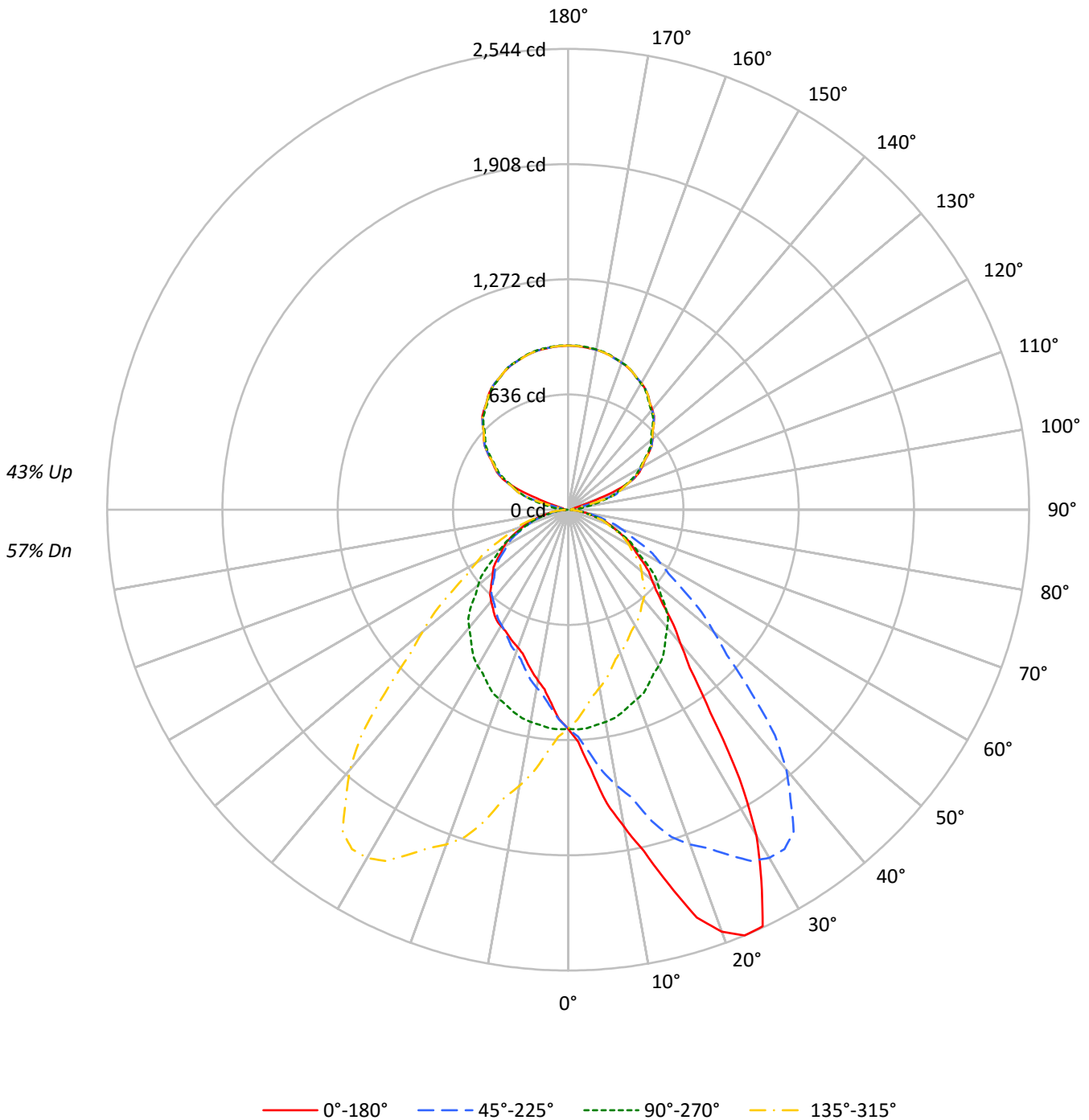
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	62	62	62	57
1	100	95	92	88	93	89	86	83	77	75	72	66	64	63	56	55	53	49
2	91	84	78	72	84	78	73	68	68	64	60	58	55	53	49	47	45	41
3	83	74	67	61	77	69	63	57	60	55	51	52	48	45	44	41	39	35
4	76	65	58	52	71	61	54	49	54	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	31	27	23	27	24	21	19
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	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°	13017	13017	13017	13017
5°	15524	13073	11585	13073
10°	19429	13007	10463	13007
15°	23832	12902	9742	12902
20°	28389	12739	9275	12739
25°	30144	12539	9171	12539
30°	25838	12394	9220	12394
35°	17969	12188	9315	12188
40°	13534	11946	9286	11946
45°	11237	11586	9168	11586
50°	10068	10851	9085	10851
55°	9411	10061	8972	10061
60°	8829	9233	8880	9233
65°	8298	8418	8596	8418
70°	7783	7487	8186	7487
75°	6970	6554	7507	6554
80°	6100	5374	6465	5374
85°	4780	3903	4335	3903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	1.9
10°-20°	382.0	6.0
20°-30°	641.1	10.0
30°-40°	725.9	11.3
40°-50°	651.0	10.1
50°-60°	525.3	8.2
60°-70°	366.1	5.7
70°-80°	192.4	3.0
80°-90°	49.6	0.8
90°-100°	32.9	0.5
100°-110°	157.0	2.4
110°-120°	377.1	5.9
120°-130°	480.2	7.5
130°-140°	513.1	8.0
140°-150°	479.8	7.5
150°-160°	387.0	6.0
160°-170°	249.8	3.9
170°-180°	86.1	1.3
0°-30°	1142.2	17.8
0°-40°	1868.1	29.1
0°-60°	3044.4	47.5
0°-90°	3652.5	56.9
90°-120°	567.0	8.8
90°-150°	2040.1	31.8
90°-180°	2763.0	43.1
0°-180°	6415.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1209	1209	1209	1209	1209	
5°	1437	1210	1072	1210	1437	149
15°	2139	1158	874	1158	2139	617
25°	2538	1056	772	1056	2538	1113
35°	1368	928	709	928	1368	888
45°	738	761	602	761	738	584
55°	502	536	478	536	502	450
65°	326	330	338	330	326	324
75°	168	158	180	158	168	179
85°	39	32	35	32	39	46
90°	20	1	20	1	20	11
95°	26	41	26	41	26	21
105°	30	201	30	201	30	68
115°	396	376	396	376	396	366
125°	541	530	541	530	541	483
135°	667	660	667	660	667	514
145°	769	762	769	762	769	480
155°	838	839	838	839	838	386
165°	883	885	883	885	883	249
175°	903	906	903	906	903	86
180°	906	906	906	906	906	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1283.3	1282.5	1280.0	1281.9	1278.2	1273.1	1272.6	1267.9	1254.3	1253.4	1249.7
5°	1436.7	1431.9	1431.3	1430.8	1422.5	1411.4	1390.3	1388.6	1360.5	1346.4	1329.4
7.5°	1635.1	1637.6	1629.0	1621.5	1596.5	1579.9	1557.3	1528.4	1493.8	1458.8	1435.5
10°	1777.6	1797.0	1773.0	1756.5	1741.3	1712.6	1679.2	1637.6	1596.0	1547.4	1510.5
12.5°	1930.4	1939.9	1935.1	1919.7	1896.0	1852.3	1793.1	1747.3	1709.0	1628.0	1595.3
15°	2138.6	2174.3	2151.5	2098.7	2099.9	2058.3	1980.9	1896.0	1850.9	1779.9	1683.3
17.5°	2360.3	2364.7	2355.0	2311.0	2281.7	2224.6	2153.2	2071.7	1980.4	1894.5	1792.1
20°	2478.4	2474.9	2454.4	2431.5	2381.1	2336.6	2258.7	2167.8	2050.6	1966.3	1854.4
22.5°	2544.0	2538.1	2528.4	2509.3	2467.4	2419.6	2349.6	2250.3	2138.8	2022.6	1893.3
25°	2538.1	2545.7	2546.9	2541.7	2527.0	2498.3	2443.2	2364.1	2252.8	2103.4	1968.7
27.5°	2308.4	2319.3	2350.5	2378.3	2409.3	2441.0	2436.8	2397.5	2315.1	2186.1	2021.4
30°	2078.8	2055.4	2113.3	2186.6	2236.4	2324.3	2373.5	2376.4	2330.1	2219.4	2058.8
32.5°	1760.1	1785.8	1811.5	1901.6	2010.4	2109.1	2207.1	2286.0	2295.0	2221.3	2080.9
35°	1367.5	1399.7	1446.6	1493.5	1610.7	1711.4	1883.7	2033.7	2153.2	2169.0	2082.8
37.5°	1102.0	1117.9	1147.5	1194.6	1271.2	1390.7	1524.0	1713.6	1886.7	2015.5	2021.1
40°	963.2	967.9	1001.3	1037.1	1099.2	1197.6	1317.7	1485.2	1692.6	1872.6	1947.6
42.5°	859.2	869.4	883.6	918.0	967.4	1041.5	1153.1	1291.7	1481.8	1688.8	1835.5
45°	738.2	749.9	758.7	781.6	816.7	866.5	944.5	1071.0	1215.7	1429.6	1627.0
47.5°	658.3	659.3	665.8	683.0	707.0	744.3	799.4	880.7	1013.6	1187.1	1389.7
50°	601.2	610.5	612.9	626.3	645.1	672.6	718.3	787.5	896.5	1048.8	1235.1
52.5°	560.9	563.6	570.2	580.0	596.3	617.8	657.4	711.5	797.0	926.9	1098.2
55°	501.5	501.5	508.0	515.6	525.0	544.3	570.7	610.5	675.5	776.4	918.1
57.5°	446.7	449.6	454.2	456.5	464.5	477.3	499.3	529.5	578.1	655.7	768.4
60°	410.1	415.4	414.8	419.5	426.5	436.5	455.2	479.8	523.2	585.3	680.3
62.5°	378.2	377.9	377.8	383.4	390.5	399.9	412.2	433.4	470.3	525.3	606.1
65°	325.8	324.6	328.7	332.2	334.6	341.6	350.9	369.7	394.3	435.3	498.0
67.5°	279.1	275.7	277.9	279.1	283.1	288.6	297.4	309.0	328.6	361.5	408.7
70°	247.3	244.4	243.7	244.9	248.4	252.5	259.0	270.1	288.3	314.6	349.2
72.5°	214.5	212.4	212.3	214.9	216.5	219.2	223.8	234.0	248.4	268.2	300.5
75°	167.6	167.6	167.6	168.2	169.9	172.3	175.7	181.1	192.2	206.2	227.9
77.5°	125.6	125.5	124.8	124.7	127.3	128.3	129.2	134.1	140.3	149.7	165.6
80°	98.4	95.5	96.7	98.4	99.6	100.2	101.9	103.1	108.4	113.7	124.8
82.5°	73.1	70.7	70.9	73.6	73.8	74.4	76.2	77.8	79.8	84.6	90.6
85°	38.7	38.7	39.3	39.3	39.9	39.3	41.0	41.6	41.6	44.5	48.0
87.5°	18.1	17.1	17.5	17.9	17.4	17.7	18.1	18.5	18.9	19.2	19.3
90°	20.2	19.9	19.6	19.3	19.0	18.5	17.9	17.4	16.8	16.2	14.2
92.5°	22.4	22.1	22.0	21.8	21.6	21.1	20.1	19.1	18.2	17.2	15.8
95°	25.6	25.6	25.6	25.6	25.6	25.1	24.0	23.0	22.0	20.8	19.2
97.5°	27.7	27.6	27.5	27.3	27.1	26.4	25.2	24.1	22.9	21.7	32.5
100°	28.2	28.2	28.0	27.8	27.6	27.0	25.8	24.6	23.4	22.2	45.5
102.5°	28.8	28.5	28.2	28.0	27.7	29.4	33.1	36.9	40.6	44.3	69.7
105°	29.6	29.4	29.0	28.8	28.4	41.5	68.0	94.5	121.0	147.4	160.8
107.5°	93.0	113.0	132.9	152.9	172.8	192.5	212.0	231.4	250.8	270.2	268.0
110°	185.1	206.5	227.9	249.3	270.7	283.9	288.8	293.7	298.7	303.6	302.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	317.6	322.1	326.6	331.1	335.6	337.9	337.8	337.7	337.6	337.5	335.9
115°	395.8	395.2	394.6	394.0	393.4	392.4	390.9	389.3	387.9	386.4	385.0
117.5°	439.7	439.5	439.5	439.4	439.2	438.5	437.4	436.2	435.0	433.8	433.1
120°	469.8	469.8	469.8	469.8	469.8	469.2	468.0	466.8	465.6	464.4	464.0
122.5°	499.5	499.4	499.2	499.1	498.9	498.5	497.7	496.8	496.0	495.2	494.6
125°	541.2	540.9	540.6	540.3	540.0	539.7	539.4	539.1	538.8	538.5	537.9
127.5°	581.3	581.6	581.9	582.2	582.5	582.4	581.9	581.4	581.0	580.5	579.8
130°	607.2	607.4	607.8	608.0	608.4	608.2	607.6	607.0	606.4	605.8	605.2
132.5°	630.9	631.3	631.7	632.1	632.5	632.4	631.8	631.2	630.7	630.1	629.6
135°	667.1	667.5	668.0	668.4	668.8	668.8	668.4	668.0	667.5	667.1	666.5
137.5°	701.1	701.5	701.7	702.1	702.3	702.1	701.4	700.7	700.0	699.2	698.9
140°	721.6	721.9	722.2	722.5	722.8	722.6	722.0	721.4	720.8	720.2	719.8
142.5°	740.5	740.9	741.2	741.7	742.1	742.1	741.6	741.1	740.6	740.2	739.7
145°	769.4	769.4	769.4	769.4	769.4	769.2	769.0	768.6	768.4	768.0	767.8
147.5°	790.9	791.6	792.3	793.0	793.7	793.8	793.6	793.2	793.0	792.6	792.4
150°	807.1	807.5	808.0	808.4	808.9	808.9	808.7	808.3	808.0	807.8	807.4
152.5°	820.0	820.7	821.4	822.1	822.8	822.9	822.3	821.7	821.2	820.7	820.5
155°	838.0	839.0	839.8	840.8	841.6	841.7	840.9	840.2	839.5	838.7	838.5
157.5°	853.3	854.5	855.6	856.8	857.9	858.1	857.1	856.3	855.4	854.5	854.6
160°	863.0	864.0	865.0	866.1	867.1	867.2	866.3	865.4	864.5	863.6	863.8
162.5°	872.1	873.1	873.9	874.9	875.8	875.7	874.8	873.7	872.7	871.7	871.8
165°	883.1	884.2	885.2	886.3	887.3	887.3	886.1	884.8	883.6	882.4	882.6
167.5°	891.0	892.3	893.5	894.7	895.9	895.9	894.7	893.5	892.3	891.0	891.0
170°	896.0	897.2	898.3	899.5	900.7	900.7	899.5	898.3	897.2	896.0	896.0
172.5°	898.6	899.9	901.3	902.6	903.9	904.0	902.8	901.6	900.3	899.1	899.1
175°	902.7	903.9	905.1	906.3	907.4	907.5	906.5	905.4	904.4	903.4	903.2
177.5°	903.9	905.1	906.3	907.5	908.7	908.8	907.8	906.9	905.9	904.9	904.8
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1246.8	1243.0	1239.3	1232.8	1227.1	1219.2	1216.8	1214.0	1205.6	1198.1	1192.4
5°	1322.9	1308.9	1288.4	1269.6	1254.4	1233.9	1222.2	1209.9	1192.3	1176.5	1163.6
7.5°	1402.7	1375.0	1343.2	1308.6	1276.6	1245.6	1220.6	1198.4	1173.8	1150.5	1132.3
10°	1465.9	1426.1	1381.6	1333.5	1292.5	1252.7	1219.3	1190.0	1158.3	1130.8	1107.9
12.5°	1538.1	1479.0	1417.6	1359.3	1310.8	1255.5	1215.0	1177.8	1141.9	1108.8	1083.1
15°	1623.5	1548.5	1475.9	1395.6	1321.8	1252.7	1204.6	1157.8	1116.1	1082.2	1049.4
17.5°	1701.3	1616.4	1520.6	1423.1	1333.9	1252.0	1184.7	1131.7	1079.7	1038.1	1005.4
20°	1745.4	1648.7	1540.3	1439.0	1340.6	1249.1	1175.4	1112.1	1055.8	1011.8	974.9
22.5°	1783.4	1670.3	1558.2	1449.8	1340.1	1241.6	1158.0	1092.9	1031.9	988.9	949.6
25°	1822.7	1687.4	1574.9	1447.8	1325.3	1223.4	1129.6	1055.8	994.9	944.5	904.0
27.5°	1856.5	1686.3	1552.7	1416.0	1302.1	1199.9	1099.8	1020.6	956.0	901.2	860.2
30°	1879.0	1688.6	1529.8	1394.5	1279.6	1174.1	1076.9	997.2	929.3	873.6	834.9
32.5°	1893.1	1687.1	1508.7	1364.4	1244.0	1150.7	1052.1	969.6	899.7	845.0	807.7
35°	1901.3	1676.9	1472.4	1302.4	1186.5	1095.6	1013.1	927.5	854.3	803.3	761.1
37.5°	1884.8	1655.2	1430.2	1242.7	1115.7	1026.2	956.7	883.9	813.8	757.7	721.3
40°	1859.1	1641.2	1397.4	1200.5	1067.0	980.8	921.6	850.2	781.0	727.7	693.7
42.5°	1809.8	1612.5	1361.3	1153.7	1016.3	930.1	875.7	816.0	750.5	700.5	666.5
45°	1689.7	1550.3	1307.2	1083.3	941.5	852.5	804.4	761.1	701.9	653.2	624.0
47.5°	1523.1	1456.6	1228.9	1009.2	863.5	777.8	727.9	693.0	649.8	610.5	582.4
50°	1407.3	1379.8	1175.9	958.6	811.5	727.7	679.7	648.0	617.0	577.7	551.9
52.5°	1273.8	1290.7	1114.0	906.0	758.5	676.1	630.9	605.8	577.6	545.4	522.9
55°	1085.7	1147.2	1007.2	817.9	679.7	601.2	558.4	536.1	519.7	495.7	476.3
57.5°	909.6	987.8	891.7	727.1	602.2	534.4	493.4	469.2	458.7	446.1	430.8
60°	805.0	882.4	809.2	666.2	550.2	485.7	449.4	428.9	418.4	409.6	396.7
62.5°	711.8	790.1	728.5	604.3	499.0	439.3	407.7	387.6	379.4	374.9	363.9
65°	583.6	650.9	609.9	508.0	425.9	373.2	344.5	330.5	322.9	321.1	314.0
67.5°	474.9	526.2	496.4	421.4	356.8	311.3	286.9	274.9	269.1	268.5	263.2
70°	403.7	451.8	428.9	360.9	305.2	269.5	248.4	237.9	234.4	233.8	230.8
72.5°	348.4	381.9	363.7	307.0	264.0	231.5	216.1	205.1	201.0	201.9	199.9
75°	257.8	283.0	272.4	233.2	198.6	177.5	164.6	157.6	154.1	155.8	153.5
77.5°	185.5	201.5	191.9	164.8	143.4	128.2	118.7	114.3	111.2	111.1	110.0
80°	140.0	149.4	144.1	127.7	110.1	97.3	89.6	86.7	85.0	84.4	83.8
82.5°	99.7	107.7	101.5	90.2	78.3	70.5	66.2	62.3	61.0	61.4	60.8
85°	50.4	53.3	51.0	43.9	39.3	35.7	33.4	31.6	30.5	31.1	29.9
87.5°	19.8	19.9	18.1	15.8	14.6	12.9	12.7	11.4	10.8	11.0	10.8
90°	12.2	10.3	8.4	6.6	5.2	3.7	2.2	0.7	2.2	3.7	5.2
92.5°	14.3	12.8	11.4	10.8	11.3	11.7	12.1	12.5	12.1	11.7	11.3
95°	17.6	15.9	14.3	16.5	22.6	28.8	35.0	41.1	35.0	28.8	22.6
97.5°	43.2	54.0	64.7	71.5	74.3	77.1	79.8	82.5	79.8	77.1	74.3
100°	68.9	92.2	115.5	125.7	122.7	119.8	116.8	113.7	116.8	119.8	122.7
102.5°	95.2	120.8	146.3	157.9	155.8	153.6	151.4	149.3	151.4	153.6	155.8
105°	174.4	187.8	201.3	207.2	205.5	203.9	202.2	200.6	202.2	203.9	205.5
107.5°	266.0	263.8	261.7	259.9	258.6	257.4	256.1	254.7	256.1	257.4	258.6
110°	300.3	298.7	297.0	295.6	294.4	293.2	292.0	290.8	292.0	293.2	294.4



TEST NUMBER: P332018-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	334.2	332.6	330.9	329.6	328.5	327.4	326.3	325.3	326.3	327.4	328.5
115°	383.7	382.4	381.0	379.9	379.0	378.1	377.2	376.3	377.2	378.1	379.0
117.5°	432.4	431.7	431.0	430.1	429.0	427.9	426.8	425.7	426.8	427.9	429.0
120°	463.6	463.1	462.7	461.8	460.4	459.1	457.7	456.4	457.7	459.1	460.4
122.5°	494.0	493.4	492.8	492.1	490.9	489.8	488.7	487.6	488.7	489.8	490.9
125°	537.3	536.7	536.1	535.2	534.0	532.8	531.6	530.5	531.6	532.8	534.0
127.5°	579.1	578.3	577.6	576.7	575.5	574.3	573.1	571.9	573.1	574.3	575.5
130°	604.6	604.0	603.4	602.5	601.3	600.1	598.9	597.7	598.9	600.1	601.3
132.5°	629.0	628.6	628.1	627.3	626.1	624.9	623.7	622.5	623.7	624.9	626.1
135°	665.9	665.3	664.7	663.9	663.1	662.1	661.2	660.3	661.2	662.1	663.1
137.5°	698.6	698.3	697.9	697.2	696.0	694.9	693.8	692.7	693.8	694.9	696.0
140°	719.4	718.9	718.4	717.8	716.9	716.0	715.1	714.2	715.1	716.0	716.9
142.5°	739.3	738.8	738.4	737.7	736.8	735.9	735.0	734.1	735.0	735.9	736.8
145°	767.4	767.2	766.8	766.2	765.1	764.1	763.0	762.0	763.0	764.1	765.1
147.5°	792.0	791.8	791.5	791.0	790.3	789.6	788.9	788.2	788.9	789.6	790.3
150°	807.2	806.8	806.6	806.2	805.7	805.3	804.9	804.3	804.9	805.3	805.7
152.5°	820.3	820.1	819.9	819.8	819.6	819.3	819.2	818.9	819.2	819.3	819.6
155°	838.4	838.3	838.1	838.2	838.5	838.8	839.1	839.4	839.1	838.8	838.5
157.5°	854.8	854.9	855.1	855.1	855.1	855.2	855.2	855.2	855.2	855.2	855.1
160°	863.9	864.1	864.2	864.4	864.5	864.7	864.8	865.0	864.8	864.7	864.5
162.5°	872.0	872.1	872.3	872.5	873.0	873.3	873.7	874.1	873.7	873.3	873.0
165°	882.8	883.0	883.0	883.4	883.8	884.2	884.7	885.2	884.7	884.2	883.8
167.5°	891.0	891.0	891.0	891.4	892.0	892.6	893.2	893.8	893.2	892.6	892.0
170°	896.0	896.0	896.0	896.2	896.8	897.4	898.0	898.6	898.0	897.4	896.8
172.5°	898.9	898.8	898.7	899.0	899.7	900.4	901.1	901.8	901.1	900.4	899.7
175°	903.0	902.8	902.8	903.0	903.8	904.6	905.3	906.0	905.3	904.6	903.8
177.5°	904.7	904.6	904.5	904.7	905.3	905.9	906.5	907.1	906.5	905.9	905.3
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



TEST NUMBER: P332018-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1189.1	1185.9	1181.2	1174.1	1168.5	1159.6	1159.6	1161.1	1161.1	1160.5	1159.6
5°	1153.1	1144.3	1133.8	1121.5	1108.5	1095.6	1093.3	1088.6	1085.1	1082.7	1079.8
7.5°	1115.0	1099.4	1084.0	1066.8	1051.1	1038.1	1029.1	1021.6	1016.8	1011.6	1007.9
10°	1089.2	1069.9	1051.7	1033.5	1013.6	997.8	987.8	980.8	975.5	970.9	968.5
12.5°	1058.7	1036.6	1016.6	999.3	977.5	961.2	951.7	948.5	942.3	932.4	927.2
15°	1014.2	993.7	969.7	943.3	932.7	912.8	901.7	896.5	892.9	885.3	883.0
17.5°	976.1	949.3	922.3	902.7	883.0	866.9	860.7	854.1	849.5	843.3	841.4
20°	945.6	921.6	897.0	875.9	855.4	837.8	832.6	827.9	823.2	820.3	817.9
22.5°	914.7	890.7	870.3	850.6	828.7	817.2	811.5	806.3	803.1	801.1	798.7
25°	871.2	850.2	827.3	809.7	792.1	784.5	781.0	778.1	775.8	772.8	772.2
27.5°	832.3	809.3	790.8	774.5	761.8	755.4	752.1	750.6	751.1	752.2	752.9
30°	803.3	782.2	767.0	752.9	741.1	735.3	734.7	734.7	737.1	737.6	738.8
32.5°	776.5	759.2	744.0	730.4	721.5	717.5	719.7	719.7	721.6	723.2	725.2
35°	737.6	722.4	710.7	699.0	691.4	693.1	694.3	695.4	698.4	701.9	704.3
37.5°	700.5	687.3	675.1	665.9	662.5	665.6	668.4	670.9	674.2	676.9	679.3
40°	673.8	663.8	652.1	643.9	645.1	646.9	649.2	652.1	655.0	656.8	659.2
42.5°	648.9	638.5	629.6	622.8	624.5	626.7	628.1	629.6	633.0	636.2	637.6
45°	611.1	602.9	594.7	590.6	591.8	593.0	594.1	595.9	598.8	601.2	601.8
47.5°	568.5	562.8	557.3	553.4	555.2	554.7	556.3	560.0	560.9	562.3	565.6
50°	541.4	536.1	529.7	528.5	528.5	528.5	529.1	533.7	533.7	536.1	538.5
52.5°	511.3	508.0	503.9	501.8	500.8	500.8	503.3	505.7	506.6	509.9	512.2
55°	467.0	463.5	459.9	458.1	457.0	458.1	462.9	464.0	467.0	468.7	470.5
57.5°	420.7	418.0	415.2	414.2	414.0	415.5	418.1	421.6	422.3	427.7	430.4
60°	390.2	386.1	383.7	383.7	382.6	387.9	386.7	392.5	393.7	397.3	401.3
62.5°	358.8	353.3	352.3	352.3	354.0	355.5	357.1	359.7	362.8	367.2	370.4
65°	308.2	305.2	309.4	308.8	307.6	311.1	311.1	314.0	317.5	321.7	328.1
67.5°	260.3	258.7	259.1	259.1	260.9	262.9	264.5	267.1	271.3	275.6	279.8
70°	227.9	229.7	226.8	229.1	230.8	231.4	232.6	236.1	240.8	243.7	248.4
72.5°	196.5	196.4	196.7	197.7	199.4	200.5	201.6	205.7	210.8	213.3	217.1
75°	151.2	150.6	152.3	152.3	155.2	156.4	157.6	159.4	164.0	167.6	170.5
77.5°	110.4	111.1	110.7	112.7	111.9	112.1	115.8	117.5	118.0	124.9	126.5
80°	83.2	84.4	85.0	85.6	86.1	85.0	89.0	90.8	90.8	94.9	97.8
82.5°	59.8	60.4	62.0	62.6	62.7	63.9	64.2	65.5	66.9	68.7	72.5
85°	29.9	31.6	32.2	31.6	32.2	31.1	32.8	33.4	34.0	34.0	34.0
87.5°	10.7	11.5	11.5	12.3	12.2	13.1	13.2	12.4	12.5	14.0	12.2
90°	6.6	8.4	10.3	12.2	14.2	16.2	16.8	17.4	17.9	18.5	19.0
92.5°	10.8	11.4	12.8	14.3	15.8	17.2	18.2	19.1	20.1	21.1	21.6
95°	16.5	14.3	15.9	17.6	19.2	20.8	22.0	23.0	24.0	25.1	25.6
97.5°	71.5	64.7	54.0	43.2	32.5	21.7	22.9	24.1	25.2	26.4	27.1
100°	125.7	115.5	92.2	68.9	45.5	22.2	23.4	24.6	25.8	27.0	27.6
102.5°	157.9	146.3	120.8	95.2	69.7	44.3	40.6	36.9	33.1	29.4	27.7
105°	207.2	201.3	187.8	174.4	160.8	147.4	121.0	94.5	68.0	41.5	28.4
107.5°	259.9	261.7	263.8	266.0	268.0	270.2	250.8	231.4	212.0	192.5	172.8
110°	295.6	297.0	298.7	300.3	302.0	303.6	298.7	293.7	288.8	283.9	270.7



TEST NUMBER: P332018-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	329.6	330.9	332.6	334.2	335.9	337.5	337.6	337.7	337.8	337.9	335.6
115°	379.9	381.0	382.4	383.7	385.0	386.4	387.9	389.3	390.9	392.4	393.4
117.5°	430.1	431.0	431.7	432.4	433.1	433.8	435.0	436.2	437.4	438.5	439.2
120°	461.8	462.7	463.1	463.6	464.0	464.4	465.6	466.8	468.0	469.2	469.8
122.5°	492.1	492.8	493.4	494.0	494.6	495.2	496.0	496.8	497.7	498.5	498.9
125°	535.2	536.1	536.7	537.3	537.9	538.5	538.8	539.1	539.4	539.7	540.0
127.5°	576.7	577.6	578.3	579.1	579.8	580.5	581.0	581.4	581.9	582.4	582.5
130°	602.5	603.4	604.0	604.6	605.2	605.8	606.4	607.0	607.6	608.2	608.4
132.5°	627.3	628.1	628.6	629.0	629.6	630.1	630.7	631.2	631.8	632.4	632.5
135°	663.9	664.7	665.3	665.9	666.5	667.1	667.5	668.0	668.4	668.8	668.8
137.5°	697.2	697.9	698.3	698.6	698.9	699.2	700.0	700.7	701.4	702.1	702.3
140°	717.8	718.4	718.9	719.4	719.8	720.2	720.8	721.4	722.0	722.6	722.8
142.5°	737.7	738.4	738.8	739.3	739.7	740.2	740.6	741.1	741.6	742.1	742.1
145°	766.2	766.8	767.2	767.4	767.8	768.0	768.4	768.6	769.0	769.2	769.4
147.5°	791.0	791.5	791.8	792.0	792.4	792.6	793.0	793.2	793.6	793.8	793.7
150°	806.2	806.6	806.8	807.2	807.4	807.8	808.0	808.3	808.7	808.9	808.9
152.5°	819.8	819.9	820.1	820.3	820.5	820.7	821.2	821.7	822.3	822.9	822.8
155°	838.2	838.1	838.3	838.4	838.5	838.7	839.5	840.2	840.9	841.7	841.6
157.5°	855.1	855.1	854.9	854.8	854.6	854.5	855.4	856.3	857.1	858.1	857.9
160°	864.4	864.2	864.1	863.9	863.8	863.6	864.5	865.4	866.3	867.2	867.1
162.5°	872.5	872.3	872.1	872.0	871.8	871.7	872.7	873.7	874.8	875.7	875.8
165°	883.4	883.0	883.0	882.8	882.6	882.4	883.6	884.8	886.1	887.3	887.3
167.5°	891.4	891.0	891.0	891.0	891.0	891.0	892.3	893.5	894.7	895.9	895.9
170°	896.2	896.0	896.0	896.0	896.0	896.0	897.2	898.3	899.5	900.7	900.7
172.5°	899.0	898.7	898.8	898.9	899.1	899.1	900.3	901.6	902.8	904.0	903.9
175°	903.0	902.8	902.8	903.0	903.2	903.4	904.4	905.4	906.5	907.5	907.4
177.5°	904.7	904.5	904.6	904.7	904.8	904.9	905.9	906.9	907.8	908.8	908.7
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



TEST NUMBER: P332018-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1156.3	1155.9	1159.2	1156.8	1159.2	1155.9	1156.3	1159.6	1160.5	1161.1	1161.1
5°	1076.3	1078.1	1072.2	1072.2	1072.2	1078.1	1076.3	1079.8	1082.7	1085.1	1088.6
7.5°	1005.0	1002.5	1002.7	999.5	1002.7	1002.5	1005.0	1007.9	1011.6	1016.8	1021.6
10°	961.5	957.9	956.7	957.3	956.7	957.9	961.5	968.5	970.9	975.5	980.8
12.5°	925.4	924.7	917.0	917.1	917.0	924.7	925.4	927.2	932.4	942.3	948.5
15°	883.0	871.8	870.6	874.2	870.6	871.8	883.0	883.0	885.3	892.9	896.5
17.5°	840.4	834.6	834.9	833.2	834.9	834.6	840.4	841.4	843.3	849.5	854.1
20°	817.9	814.4	813.8	809.7	813.8	814.4	817.9	817.9	820.3	823.2	827.9
22.5°	797.3	796.2	796.5	791.9	796.5	796.2	797.3	798.7	801.1	803.1	806.3
25°	771.6	774.6	772.2	772.2	772.2	774.6	771.6	772.2	772.8	775.8	778.1
27.5°	754.3	754.1	753.0	753.0	753.0	754.1	754.3	752.9	752.2	751.1	750.6
30°	741.1	740.5	741.8	741.8	741.8	740.5	741.1	738.8	737.6	737.1	734.7
32.5°	728.1	728.8	729.1	729.5	729.1	728.8	728.1	725.2	723.2	721.6	719.7
35°	707.7	708.3	710.2	708.9	710.2	708.3	707.7	704.3	701.9	698.4	695.4
37.5°	680.4	683.0	682.4	683.4	682.4	683.0	680.4	679.3	676.9	674.2	670.9
40°	659.7	661.5	660.9	660.9	660.9	661.5	659.7	659.2	656.8	655.0	652.1
42.5°	638.6	639.9	638.4	637.5	638.4	639.9	638.6	637.6	636.2	633.0	629.6
45°	604.1	602.9	604.7	602.3	604.7	602.9	604.1	601.8	601.2	598.8	595.9
47.5°	565.4	566.5	567.1	568.8	567.1	566.5	565.4	565.6	562.3	560.9	560.0
50°	539.6	543.1	543.1	542.5	543.1	543.1	539.6	538.5	536.1	533.7	533.7
52.5°	514.3	515.9	518.3	518.1	518.3	515.9	514.3	512.2	509.9	506.6	505.7
55°	475.2	476.3	477.5	478.1	477.5	476.3	475.2	470.5	468.7	467.0	464.0
57.5°	434.6	434.1	437.0	437.8	437.0	434.1	434.6	430.4	427.7	422.3	421.6
60°	406.0	406.0	410.7	412.5	410.7	406.0	406.0	401.3	397.3	393.7	392.5
62.5°	375.6	377.5	382.1	379.7	382.1	377.5	375.6	370.4	367.2	362.8	359.7
65°	331.1	335.7	335.1	337.5	335.1	335.7	331.1	328.1	321.7	317.5	314.0
67.5°	284.5	287.4	291.6	292.1	291.6	287.4	284.5	279.8	275.6	271.3	267.1
70°	253.1	256.1	258.4	260.1	258.4	256.1	253.1	248.4	243.7	240.8	236.1
72.5°	222.7	224.2	229.8	227.3	229.8	224.2	222.7	217.1	213.3	210.8	205.7
75°	174.6	178.7	182.2	180.5	182.2	178.7	174.6	170.5	167.6	164.0	159.4
77.5°	129.2	133.2	134.8	133.4	134.8	133.2	129.2	126.5	124.9	118.0	117.5
80°	101.9	101.3	104.9	104.3	104.9	101.3	101.9	97.8	94.9	90.8	90.8
82.5°	74.7	74.2	75.9	76.2	75.9	74.2	74.7	72.5	68.7	66.9	65.5
85°	36.3	38.1	35.7	35.1	35.7	38.1	36.3	34.0	34.0	34.0	33.4
87.5°	12.3	12.4	12.0	11.5	12.0	12.4	12.3	12.2	14.0	12.5	12.4
90°	19.3	19.6	19.9	20.2	19.9	19.6	19.3	19.0	18.5	17.9	17.4
92.5°	21.8	22.0	22.1	22.4	22.1	22.0	21.8	21.6	21.1	20.1	19.1
95°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.1	24.0	23.0
97.5°	27.3	27.5	27.6	27.7	27.6	27.5	27.3	27.1	26.4	25.2	24.1
100°	27.8	28.0	28.2	28.2	28.2	28.0	27.8	27.6	27.0	25.8	24.6
102.5°	28.0	28.2	28.5	28.8	28.5	28.2	28.0	27.7	29.4	33.1	36.9
105°	28.8	29.0	29.4	29.6	29.4	29.0	28.8	28.4	41.5	68.0	94.5
107.5°	152.9	132.9	113.0	93.0	113.0	132.9	152.9	172.8	192.5	212.0	231.4
110°	249.3	227.9	206.5	185.1	206.5	227.9	249.3	270.7	283.9	288.8	293.7



TEST NUMBER: P332018-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	331.1	326.6	322.1	317.6	322.1	326.6	331.1	335.6	337.9	337.8	337.7
115°	394.0	394.6	395.2	395.8	395.2	394.6	394.0	393.4	392.4	390.9	389.3
117.5°	439.4	439.5	439.5	439.7	439.5	439.5	439.4	439.2	438.5	437.4	436.2
120°	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.8	469.2	468.0	466.8
122.5°	499.1	499.2	499.4	499.5	499.4	499.2	499.1	498.9	498.5	497.7	496.8
125°	540.3	540.6	540.9	541.2	540.9	540.6	540.3	540.0	539.7	539.4	539.1
127.5°	582.2	581.9	581.6	581.3	581.6	581.9	582.2	582.5	582.4	581.9	581.4
130°	608.0	607.8	607.4	607.2	607.4	607.8	608.0	608.4	608.2	607.6	607.0
132.5°	632.1	631.7	631.3	630.9	631.3	631.7	632.1	632.5	632.4	631.8	631.2
135°	668.4	668.0	667.5	667.1	667.5	668.0	668.4	668.8	668.8	668.4	668.0
137.5°	702.1	701.7	701.5	701.1	701.5	701.7	702.1	702.3	702.1	701.4	700.7
140°	722.5	722.2	721.9	721.6	721.9	722.2	722.5	722.8	722.6	722.0	721.4
142.5°	741.7	741.2	740.9	740.5	740.9	741.2	741.7	742.1	742.1	741.6	741.1
145°	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.4	769.2	769.0	768.6
147.5°	793.0	792.3	791.6	790.9	791.6	792.3	793.0	793.7	793.8	793.6	793.2
150°	808.4	808.0	807.5	807.1	807.5	808.0	808.4	808.9	808.9	808.7	808.3
152.5°	822.1	821.4	820.7	820.0	820.7	821.4	822.1	822.8	822.9	822.3	821.7
155°	840.8	839.8	839.0	838.0	839.0	839.8	840.8	841.6	841.7	840.9	840.2
157.5°	856.8	855.6	854.5	853.3	854.5	855.6	856.8	857.9	858.1	857.1	856.3
160°	866.1	865.0	864.0	863.0	864.0	865.0	866.1	867.1	867.2	866.3	865.4
162.5°	874.9	873.9	873.1	872.1	873.1	873.9	874.9	875.8	875.7	874.8	873.7
165°	886.3	885.2	884.2	883.1	884.2	885.2	886.3	887.3	887.3	886.1	884.8
167.5°	894.7	893.5	892.3	891.0	892.3	893.5	894.7	895.9	895.9	894.7	893.5
170°	899.5	898.3	897.2	896.0	897.2	898.3	899.5	900.7	900.7	899.5	898.3
172.5°	902.6	901.3	899.9	898.6	899.9	901.3	902.6	903.9	904.0	902.8	901.6
175°	906.3	905.1	903.9	902.7	903.9	905.1	906.3	907.4	907.5	906.5	905.4
177.5°	907.5	906.3	905.1	903.9	905.1	906.3	907.5	908.7	908.8	907.8	906.9
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



TEST NUMBER: P332018-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1159.6	1159.6	1168.5	1174.1	1181.2	1185.9	1189.1	1192.4	1198.1	1205.6	1214.0
5°	1093.3	1095.6	1108.5	1121.5	1133.8	1144.3	1153.1	1163.6	1176.5	1192.3	1209.9
7.5°	1029.1	1038.1	1051.1	1066.8	1084.0	1099.4	1115.0	1132.3	1150.5	1173.8	1198.4
10°	987.8	997.8	1013.6	1033.5	1051.7	1069.9	1089.2	1107.9	1130.8	1158.3	1190.0
12.5°	951.7	961.2	977.5	999.3	1016.6	1036.6	1058.7	1083.1	1108.8	1141.9	1177.8
15°	901.7	912.8	932.7	943.3	969.7	993.7	1014.2	1049.4	1082.2	1116.1	1157.8
17.5°	860.7	866.9	883.0	902.7	922.3	949.3	976.1	1005.4	1038.1	1079.7	1131.7
20°	832.6	837.8	855.4	875.9	897.0	921.6	945.6	974.9	1011.8	1055.8	1112.1
22.5°	811.5	817.2	828.7	850.6	870.3	890.7	914.7	949.6	988.9	1031.9	1092.9
25°	781.0	784.5	792.1	809.7	827.3	850.2	871.2	904.0	944.5	994.9	1055.8
27.5°	752.1	755.4	761.8	774.5	790.8	809.3	832.3	860.2	901.2	956.0	1020.6
30°	734.7	735.3	741.1	752.9	767.0	782.2	803.3	834.9	873.6	929.3	997.2
32.5°	719.7	717.5	721.5	730.4	744.0	759.2	776.5	807.7	845.0	899.7	969.6
35°	694.3	693.1	691.4	699.0	710.7	722.4	737.6	761.1	803.3	854.3	927.5
37.5°	668.4	665.6	662.5	665.9	675.1	687.3	700.5	721.3	757.7	813.8	883.9
40°	649.2	646.9	645.1	643.9	652.1	663.8	673.8	693.7	727.7	781.0	850.2
42.5°	628.1	626.7	624.5	622.8	629.6	638.5	648.9	666.5	700.5	750.5	816.0
45°	594.1	593.0	591.8	590.6	594.7	602.9	611.1	624.0	653.2	701.9	761.1
47.5°	556.3	554.7	555.2	553.4	557.3	562.8	568.5	582.4	610.5	649.8	693.0
50°	529.1	528.5	528.5	528.5	529.7	536.1	541.4	551.9	577.7	617.0	648.0
52.5°	503.3	500.8	500.8	501.8	503.9	508.0	511.3	522.9	545.4	577.6	605.8
55°	462.9	458.1	457.0	458.1	459.9	463.5	467.0	476.3	495.7	519.7	536.1
57.5°	418.1	415.5	414.0	414.2	415.2	418.0	420.7	430.8	446.1	458.7	469.2
60°	386.7	387.9	382.6	383.7	383.7	386.1	390.2	396.7	409.6	418.4	428.9
62.5°	357.1	355.5	354.0	352.3	352.3	353.3	358.8	363.9	374.9	379.4	387.6
65°	311.1	311.1	307.6	308.8	309.4	305.2	308.2	314.0	321.1	322.9	330.5
67.5°	264.5	262.9	260.9	259.1	259.1	258.7	260.3	263.2	268.5	269.1	274.9
70°	232.6	231.4	230.8	229.1	226.8	229.7	227.9	230.8	233.8	234.4	237.9
72.5°	201.6	200.5	199.4	197.7	196.7	196.4	196.5	199.9	201.9	201.0	205.1
75°	157.6	156.4	155.2	152.3	152.3	150.6	151.2	153.5	155.8	154.1	157.6
77.5°	115.8	112.1	111.9	112.7	110.7	111.1	110.4	110.0	111.1	111.2	114.3
80°	89.0	85.0	86.1	85.6	85.0	84.4	83.2	83.8	84.4	85.0	86.7
82.5°	64.2	63.9	62.7	62.6	62.0	60.4	59.8	60.8	61.4	61.0	62.3
85°	32.8	31.1	32.2	31.6	32.2	31.6	29.9	29.9	31.1	30.5	31.6
87.5°	13.2	13.1	12.2	12.3	11.5	11.5	10.7	10.8	11.0	10.8	11.4
90°	16.8	16.2	14.2	12.2	10.3	8.4	6.6	5.2	3.7	2.2	0.7
92.5°	18.2	17.2	15.8	14.3	12.8	11.4	10.8	11.3	11.7	12.1	12.5
95°	22.0	20.8	19.2	17.6	15.9	14.3	16.5	22.6	28.8	35.0	41.1
97.5°	22.9	21.7	32.5	43.2	54.0	64.7	71.5	74.3	77.1	79.8	82.5
100°	23.4	22.2	45.5	68.9	92.2	115.5	125.7	122.7	119.8	116.8	113.7
102.5°	40.6	44.3	69.7	95.2	120.8	146.3	157.9	155.8	153.6	151.4	149.3
105°	121.0	147.4	160.8	174.4	187.8	201.3	207.2	205.5	203.9	202.2	200.6
107.5°	250.8	270.2	268.0	266.0	263.8	261.7	259.9	258.6	257.4	256.1	254.7
110°	298.7	303.6	302.0	300.3	298.7	297.0	295.6	294.4	293.2	292.0	290.8



TEST NUMBER: P332018-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	337.6	337.5	335.9	334.2	332.6	330.9	329.6	328.5	327.4	326.3	325.3
115°	387.9	386.4	385.0	383.7	382.4	381.0	379.9	379.0	378.1	377.2	376.3
117.5°	435.0	433.8	433.1	432.4	431.7	431.0	430.1	429.0	427.9	426.8	425.7
120°	465.6	464.4	464.0	463.6	463.1	462.7	461.8	460.4	459.1	457.7	456.4
122.5°	496.0	495.2	494.6	494.0	493.4	492.8	492.1	490.9	489.8	488.7	487.6
125°	538.8	538.5	537.9	537.3	536.7	536.1	535.2	534.0	532.8	531.6	530.5
127.5°	581.0	580.5	579.8	579.1	578.3	577.6	576.7	575.5	574.3	573.1	571.9
130°	606.4	605.8	605.2	604.6	604.0	603.4	602.5	601.3	600.1	598.9	597.7
132.5°	630.7	630.1	629.6	629.0	628.6	628.1	627.3	626.1	624.9	623.7	622.5
135°	667.5	667.1	666.5	665.9	665.3	664.7	663.9	663.1	662.1	661.2	660.3
137.5°	700.0	699.2	698.9	698.6	698.3	697.9	697.2	696.0	694.9	693.8	692.7
140°	720.8	720.2	719.8	719.4	718.9	718.4	717.8	716.9	716.0	715.1	714.2
142.5°	740.6	740.2	739.7	739.3	738.8	738.4	737.7	736.8	735.9	735.0	734.1
145°	768.4	768.0	767.8	767.4	767.2	766.8	766.2	765.1	764.1	763.0	762.0
147.5°	793.0	792.6	792.4	792.0	791.8	791.5	791.0	790.3	789.6	788.9	788.2
150°	808.0	807.8	807.4	807.2	806.8	806.6	806.2	805.7	805.3	804.9	804.3
152.5°	821.2	820.7	820.5	820.3	820.1	819.9	819.8	819.6	819.3	819.2	818.9
155°	839.5	838.7	838.5	838.4	838.3	838.1	838.2	838.5	838.8	839.1	839.4
157.5°	855.4	854.5	854.6	854.8	854.9	855.1	855.1	855.1	855.2	855.2	855.2
160°	864.5	863.6	863.8	863.9	864.1	864.2	864.4	864.5	864.7	864.8	865.0
162.5°	872.7	871.7	871.8	872.0	872.1	872.3	872.5	873.0	873.3	873.7	874.1
165°	883.6	882.4	882.6	882.8	883.0	883.0	883.4	883.8	884.2	884.7	885.2
167.5°	892.3	891.0	891.0	891.0	891.0	891.0	891.4	892.0	892.6	893.2	893.8
170°	897.2	896.0	896.0	896.0	896.0	896.0	896.2	896.8	897.4	898.0	898.6
172.5°	900.3	899.1	899.1	898.9	898.8	898.7	899.0	899.7	900.4	901.1	901.8
175°	904.4	903.4	903.2	903.0	902.8	902.8	903.0	903.8	904.6	905.3	906.0
177.5°	905.9	904.9	904.8	904.7	904.6	904.5	904.7	905.3	905.9	906.5	907.1
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



TEST NUMBER: P332018-935

CATALOG NUMBER: S123DIP-S1000D805U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1216.8	1219.2	1227.1	1232.8	1239.3	1243.0	1246.8	1249.7	1253.4	1254.3	1267.9
5°	1222.2	1233.9	1254.4	1269.6	1288.4	1308.9	1322.9	1329.4	1346.4	1360.5	1388.6
7.5°	1220.6	1245.6	1276.6	1308.6	1343.2	1375.0	1402.7	1435.5	1458.8	1493.8	1528.4
10°	1219.3	1252.7	1292.5	1333.5	1381.6	1426.1	1465.9	1510.5	1547.4	1596.0	1637.6
12.5°	1215.0	1255.5	1310.8	1359.3	1417.6	1479.0	1538.1	1595.3	1628.0	1709.0	1747.3
15°	1204.6	1252.7	1321.8	1395.6	1475.9	1548.5	1623.5	1683.3	1779.9	1850.9	1896.0
17.5°	1184.7	1252.0	1333.9	1423.1	1520.6	1616.4	1701.3	1792.1	1894.5	1980.4	2071.7
20°	1175.4	1249.1	1340.6	1439.0	1540.3	1648.7	1745.4	1854.4	1966.3	2050.6	2167.8
22.5°	1158.0	1241.6	1340.1	1449.8	1558.2	1670.3	1783.4	1893.3	2022.6	2138.8	2250.3
25°	1129.6	1223.4	1325.3	1447.8	1574.9	1687.4	1822.7	1968.7	2103.4	2252.8	2364.1
27.5°	1099.8	1199.9	1302.1	1416.0	1552.7	1686.3	1856.5	2021.4	2186.1	2315.1	2397.5
30°	1076.9	1174.1	1279.6	1394.5	1529.8	1688.6	1879.0	2058.8	2219.4	2330.1	2376.4
32.5°	1052.1	1150.7	1244.0	1364.4	1508.7	1687.1	1893.1	2080.9	2221.3	2295.0	2286.0
35°	1013.1	1095.6	1186.5	1302.4	1472.4	1676.9	1901.3	2082.8	2169.0	2153.2	2033.7
37.5°	956.7	1026.2	1115.7	1242.7	1430.2	1655.2	1884.8	2021.1	2015.5	1886.7	1713.6
40°	921.6	980.8	1067.0	1200.5	1397.4	1641.2	1859.1	1947.6	1872.6	1692.6	1485.2
42.5°	875.7	930.1	1016.3	1153.7	1361.3	1612.5	1809.8	1835.5	1688.8	1481.8	1291.7
45°	804.4	852.5	941.5	1083.3	1307.2	1550.3	1689.7	1627.0	1429.6	1215.7	1071.0
47.5°	727.9	777.8	863.5	1009.2	1228.9	1456.6	1523.1	1389.7	1187.1	1013.6	880.7
50°	679.7	727.7	811.5	958.6	1175.9	1379.8	1407.3	1235.1	1048.8	896.5	787.5
52.5°	630.9	676.1	758.5	906.0	1114.0	1290.7	1273.8	1098.2	926.9	797.0	711.5
55°	558.4	601.2	679.7	817.9	1007.2	1147.2	1085.7	918.1	776.4	675.5	610.5
57.5°	493.4	534.4	602.2	727.1	891.7	987.8	909.6	768.4	655.7	578.1	529.5
60°	449.4	485.7	550.2	666.2	809.2	882.4	805.0	680.3	585.3	523.2	479.8
62.5°	407.7	439.3	499.0	604.3	728.5	790.1	711.8	606.1	525.3	470.3	433.4
65°	344.5	373.2	425.9	508.0	609.9	650.9	583.6	498.0	435.3	394.3	369.7
67.5°	286.9	311.3	356.8	421.4	496.4	526.2	474.9	408.7	361.5	328.6	309.0
70°	248.4	269.5	305.2	360.9	428.9	451.8	403.7	349.2	314.6	288.3	270.1
72.5°	216.1	231.5	264.0	307.0	363.7	381.9	348.4	300.5	268.2	248.4	234.0
75°	164.6	177.5	198.6	233.2	272.4	283.0	257.8	227.9	206.2	192.2	181.1
77.5°	118.7	128.2	143.4	164.8	191.9	201.5	185.5	165.6	149.7	140.3	134.1
80°	89.6	97.3	110.1	127.7	144.1	149.4	140.0	124.8	113.7	108.4	103.1
82.5°	66.2	70.5	78.3	90.2	101.5	107.7	99.7	90.6	84.6	79.8	77.8
85°	33.4	35.7	39.3	43.9	51.0	53.3	50.4	48.0	44.5	41.6	41.6
87.5°	12.7	12.9	14.6	15.8	18.1	19.9	19.8	19.3	19.2	18.9	18.5
90°	2.2	3.7	5.2	6.6	8.4	10.3	12.2	14.2	16.2	16.8	17.4
92.5°	12.1	11.7	11.3	10.8	11.4	12.8	14.3	15.8	17.2	18.2	19.1
95°	35.0	28.8	22.6	16.5	14.3	15.9	17.6	19.2	20.8	22.0	23.0
97.5°	79.8	77.1	74.3	71.5	64.7	54.0	43.2	32.5	21.7	22.9	24.1
100°	116.8	119.8	122.7	125.7	115.5	92.2	68.9	45.5	22.2	23.4	24.6
102.5°	151.4	153.6	155.8	157.9	146.3	120.8	95.2	69.7	44.3	40.6	36.9
105°	202.2	203.9	205.5	207.2	201.3	187.8	174.4	160.8	147.4	121.0	94.5
107.5°	256.1	257.4	258.6	259.9	261.7	263.8	266.0	268.0	270.2	250.8	231.4
110°	292.0	293.2	294.4	295.6	297.0	298.7	300.3	302.0	303.6	298.7	293.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	326.3	327.4	328.5	329.6	330.9	332.6	334.2	335.9	337.5	337.6	337.7
115°	377.2	378.1	379.0	379.9	381.0	382.4	383.7	385.0	386.4	387.9	389.3
117.5°	426.8	427.9	429.0	430.1	431.0	431.7	432.4	433.1	433.8	435.0	436.2
120°	457.7	459.1	460.4	461.8	462.7	463.1	463.6	464.0	464.4	465.6	466.8
122.5°	488.7	489.8	490.9	492.1	492.8	493.4	494.0	494.6	495.2	496.0	496.8
125°	531.6	532.8	534.0	535.2	536.1	536.7	537.3	537.9	538.5	538.8	539.1
127.5°	573.1	574.3	575.5	576.7	577.6	578.3	579.1	579.8	580.5	581.0	581.4
130°	598.9	600.1	601.3	602.5	603.4	604.0	604.6	605.2	605.8	606.4	607.0
132.5°	623.7	624.9	626.1	627.3	628.1	628.6	629.0	629.6	630.1	630.7	631.2
135°	661.2	662.1	663.1	663.9	664.7	665.3	665.9	666.5	667.1	667.5	668.0
137.5°	693.8	694.9	696.0	697.2	697.9	698.3	698.6	698.9	699.2	700.0	700.7
140°	715.1	716.0	716.9	717.8	718.4	718.9	719.4	719.8	720.2	720.8	721.4
142.5°	735.0	735.9	736.8	737.7	738.4	738.8	739.3	739.7	740.2	740.6	741.1
145°	763.0	764.1	765.1	766.2	766.8	767.2	767.4	767.8	768.0	768.4	768.6
147.5°	788.9	789.6	790.3	791.0	791.5	791.8	792.0	792.4	792.6	793.0	793.2
150°	804.9	805.3	805.7	806.2	806.6	806.8	807.2	807.4	807.8	808.0	808.3
152.5°	819.2	819.3	819.6	819.8	819.9	820.1	820.3	820.5	820.7	821.2	821.7
155°	839.1	838.8	838.5	838.2	838.1	838.3	838.4	838.5	838.7	839.5	840.2
157.5°	855.2	855.2	855.1	855.1	855.1	854.9	854.8	854.6	854.5	855.4	856.3
160°	864.8	864.7	864.5	864.4	864.2	864.1	863.9	863.8	863.6	864.5	865.4
162.5°	873.7	873.3	873.0	872.5	872.3	872.1	872.0	871.8	871.7	872.7	873.7
165°	884.7	884.2	883.8	883.4	883.0	883.0	882.8	882.6	882.4	883.6	884.8
167.5°	893.2	892.6	892.0	891.4	891.0	891.0	891.0	891.0	891.0	892.3	893.5
170°	898.0	897.4	896.8	896.2	896.0	896.0	896.0	896.0	896.0	897.2	898.3
172.5°	901.1	900.4	899.7	899.0	898.7	898.8	898.9	899.1	899.1	900.3	901.6
175°	905.3	904.6	903.8	903.0	902.8	902.8	903.0	903.2	903.4	904.4	905.4
177.5°	906.5	905.9	905.3	904.7	904.5	904.6	904.7	904.8	904.9	905.9	906.9
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0	906.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3	1209.3
2.5°	1272.6	1273.1	1278.2	1281.9	1280.0	1282.5	1283.3
5°	1390.3	1411.4	1422.5	1430.8	1431.3	1431.9	1436.7
7.5°	1557.3	1579.9	1596.5	1621.5	1629.0	1637.6	1635.1
10°	1679.2	1712.6	1741.3	1756.5	1773.0	1797.0	1777.6
12.5°	1793.1	1852.3	1896.0	1919.7	1935.1	1939.9	1930.4
15°	1980.9	2058.3	2099.9	2098.7	2151.5	2174.3	2138.6
17.5°	2153.2	2224.6	2281.7	2311.0	2355.0	2364.7	2360.3
20°	2258.7	2336.6	2381.1	2431.5	2454.4	2474.9	2478.4
22.5°	2349.6	2419.6	2467.4	2509.3	2528.4	2538.1	2544.0
25°	2443.2	2498.3	2527.0	2541.7	2546.9	2545.7	2538.1
27.5°	2436.8	2441.0	2409.3	2378.3	2350.5	2319.3	2308.4
30°	2373.5	2324.3	2236.4	2186.6	2113.3	2055.4	2078.8
32.5°	2207.1	2109.1	2010.4	1901.6	1811.5	1785.8	1760.1
35°	1883.7	1711.4	1610.7	1493.5	1446.6	1399.7	1367.5
37.5°	1524.0	1390.7	1271.2	1194.6	1147.5	1117.9	1102.0
40°	1317.7	1197.6	1099.2	1037.1	1001.3	967.9	963.2
42.5°	1153.1	1041.5	967.4	918.0	883.6	869.4	859.2
45°	944.5	866.5	816.7	781.6	758.7	749.9	738.2
47.5°	799.4	744.3	707.0	683.0	665.8	659.3	658.3
50°	718.3	672.6	645.1	626.3	612.9	610.5	601.2
52.5°	657.4	617.8	596.3	580.0	570.2	563.6	560.9
55°	570.7	544.3	525.0	515.6	508.0	501.5	501.5
57.5°	499.3	477.3	464.5	456.5	454.2	449.6	446.7
60°	455.2	436.5	426.5	419.5	414.8	415.4	410.1
62.5°	412.2	399.9	390.5	383.4	377.8	377.9	378.2
65°	350.9	341.6	334.6	332.2	328.7	324.6	325.8
67.5°	297.4	288.6	283.1	279.1	277.9	275.7	279.1
70°	259.0	252.5	248.4	244.9	243.7	244.4	247.3
72.5°	223.8	219.2	216.5	214.9	212.3	212.4	214.5
75°	175.7	172.3	169.9	168.2	167.6	167.6	167.6
77.5°	129.2	128.3	127.3	124.7	124.8	125.5	125.6
80°	101.9	100.2	99.6	98.4	96.7	95.5	98.4
82.5°	76.2	74.4	73.8	73.6	70.9	70.7	73.1
85°	41.0	39.3	39.9	39.3	39.3	38.7	38.7
87.5°	18.1	17.7	17.4	17.9	17.5	17.1	18.1
90°	17.9	18.5	19.0	19.3	19.6	19.9	20.2
92.5°	20.1	21.1	21.6	21.8	22.0	22.1	22.4
95°	24.0	25.1	25.6	25.6	25.6	25.6	25.6
97.5°	25.2	26.4	27.1	27.3	27.5	27.6	27.7
100°	25.8	27.0	27.6	27.8	28.0	28.2	28.2
102.5°	33.1	29.4	27.7	28.0	28.2	28.5	28.8
105°	68.0	41.5	28.4	28.8	29.0	29.4	29.6
107.5°	212.0	192.5	172.8	152.9	132.9	113.0	93.0
110°	288.8	283.9	270.7	249.3	227.9	206.5	185.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	337.8	337.9	335.6	331.1	326.6	322.1	317.6
115°	390.9	392.4	393.4	394.0	394.6	395.2	395.8
117.5°	437.4	438.5	439.2	439.4	439.5	439.5	439.7
120°	468.0	469.2	469.8	469.8	469.8	469.8	469.8
122.5°	497.7	498.5	498.9	499.1	499.2	499.4	499.5
125°	539.4	539.7	540.0	540.3	540.6	540.9	541.2
127.5°	581.9	582.4	582.5	582.2	581.9	581.6	581.3
130°	607.6	608.2	608.4	608.0	607.8	607.4	607.2
132.5°	631.8	632.4	632.5	632.1	631.7	631.3	630.9
135°	668.4	668.8	668.8	668.4	668.0	667.5	667.1
137.5°	701.4	702.1	702.3	702.1	701.7	701.5	701.1
140°	722.0	722.6	722.8	722.5	722.2	721.9	721.6
142.5°	741.6	742.1	742.1	741.7	741.2	740.9	740.5
145°	769.0	769.2	769.4	769.4	769.4	769.4	769.4
147.5°	793.6	793.8	793.7	793.0	792.3	791.6	790.9
150°	808.7	808.9	808.9	808.4	808.0	807.5	807.1
152.5°	822.3	822.9	822.8	822.1	821.4	820.7	820.0
155°	840.9	841.7	841.6	840.8	839.8	839.0	838.0
157.5°	857.1	858.1	857.9	856.8	855.6	854.5	853.3
160°	866.3	867.2	867.1	866.1	865.0	864.0	863.0
162.5°	874.8	875.7	875.8	874.9	873.9	873.1	872.1
165°	886.1	887.3	887.3	886.3	885.2	884.2	883.1
167.5°	894.7	895.9	895.9	894.7	893.5	892.3	891.0
170°	899.5	900.7	900.7	899.5	898.3	897.2	896.0
172.5°	902.8	904.0	903.9	902.6	901.3	899.9	898.6
175°	906.5	907.5	907.4	906.3	905.1	903.9	902.7
177.5°	907.8	908.8	908.7	907.5	906.3	905.1	903.9
180°	906.0	906.0	906.0	906.0	906.0	906.0	906.0

(END OF REPORT)