

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: P332332-927

Luminaire Tested: **S123RDIP-S1000D365U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332332-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1000D365U927-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4177.1 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

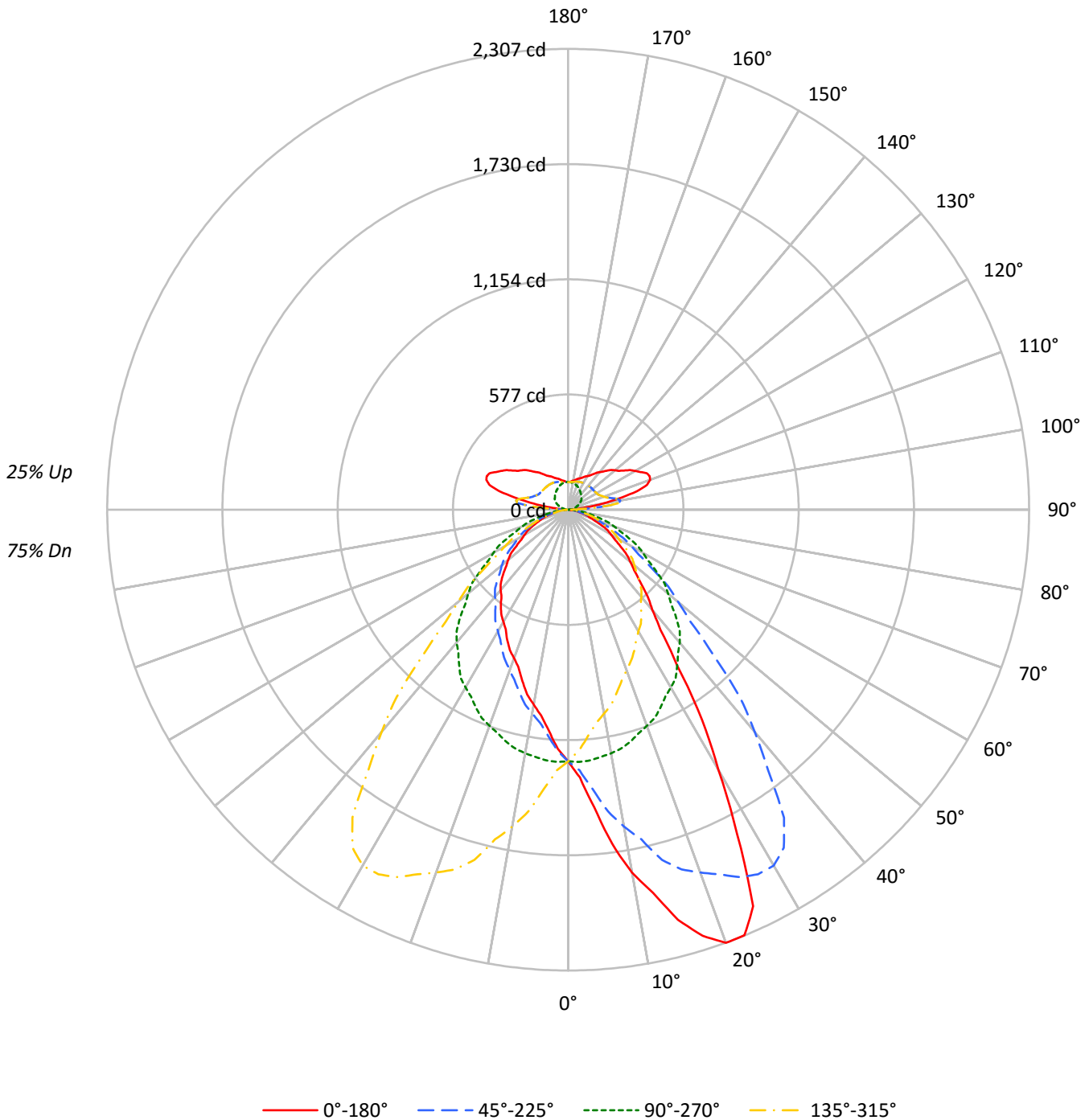
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	104	100	96	93	99	95	92	89	87	84	82	79	77	75	71	70	69	65
2	96	89	83	78	91	85	79	75	77	73	69	70	67	64	64	61	59	56
3	88	79	71	66	83	75	69	64	69	64	59	63	59	55	57	54	51	48
4	81	70	62	57	77	67	60	55	62	56	51	57	52	48	52	48	45	42
5	75	63	55	49	71	61	53	48	56	50	45	51	46	42	47	43	40	37
6	69	57	49	43	66	55	48	42	51	45	40	47	42	38	43	39	35	33
7	64	52	44	38	61	50	43	37	46	40	36	43	38	34	40	35	32	30
8	60	48	40	34	57	46	39	34	43	36	32	39	34	30	37	32	29	27
9	56	44	36	31	53	42	35	30	39	33	29	36	31	28	34	29	26	24
10	52	40	33	28	50	39	32	28	36	30	26	34	29	25	31	27	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13555	13555	13555	13555
5°	16159	13613	11988	13613
10°	20176	13535	10831	13535
15°	23682	13397	9877	13397
20°	26431	13190	9065	13190
25°	26008	12973	8568	12973
30°	18695	12771	8054	12771
35°	12482	12510	7721	12510
40°	9197	12197	7378	12197
45°	7715	11645	7042	11645
50°	6807	10923	6571	10923
55°	5970	10098	5928	10098
60°	5315	9309	5431	9309
65°	4669	8458	5053	8458
70°	3666	7704	4614	7704
75°	3227	6729	4213	6729
80°	2808	5715	4147	5715
85°	2260	4594	4397	4594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	3.0
10°-20°	386.9	9.3
20°-30°	607.8	14.6
30°-40°	634.2	15.2
40°-50°	542.7	13.0
50°-60°	413.6	9.9
60°-70°	265.1	6.3
70°-80°	127.5	3.1
80°-90°	34.8	0.8
90°-100°	77.0	1.8
100°-110°	217.9	5.2
110°-120°	214.4	5.1
120°-130°	171.0	4.1
130°-140°	134.8	3.2
140°-150°	100.6	2.4
150°-160°	70.1	1.7
160°-170°	41.2	1.0
170°-180°	13.4	0.3
0°-30°	1118.6	26.8
0°-40°	1752.8	42.0
0°-60°	2709.1	64.9
0°-90°	3136.6	75.1
90°-120°	509.3	12.2
90°-150°	915.7	21.9
90°-180°	1040.0	24.9
0°-180°	4177.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1259	1259	1259	1259	1259	
5°	1496	1260	1110	1260	1496	154
15°	2125	1202	886	1202	2125	603
25°	2190	1092	721	1092	2190	941
35°	950	952	588	952	950	623
45°	507	765	463	765	507	398
55°	318	538	316	538	318	288
65°	183	332	198	332	183	180
75°	78	162	101	162	78	83
85°	18	37	36	37	18	21
90°	8	1	8	1	8	5
95°	32	10	32	10	32	59
105°	356	32	356	32	356	351
115°	433	57	433	57	433	421
125°	342	80	342	80	342	309
135°	277	94	277	94	277	215
145°	216	107	216	107	216	138
155°	179	121	179	121	179	84
165°	156	132	156	132	156	45
175°	141	138	141	138	141	14
180°	138	138	138	138	138	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1341.3	1343.0	1337.4	1336.6	1330.1	1328.3	1328.3	1319.3	1313.7	1306.4	1302.0
5°	1495.5	1504.1	1499.8	1490.1	1473.9	1470.1	1459.9	1443.8	1425.4	1402.7	1391.9
7.5°	1688.1	1699.8	1695.3	1680.3	1663.3	1649.6	1620.8	1593.9	1556.3	1523.3	1495.1
10°	1845.9	1833.5	1823.8	1809.3	1793.6	1768.2	1738.0	1696.5	1648.6	1610.8	1568.8
12.5°	1964.1	1962.0	1949.7	1934.7	1912.6	1888.6	1851.5	1800.9	1745.2	1690.7	1642.5
15°	2125.2	2128.4	2120.3	2104.7	2073.4	2030.8	1974.8	1953.8	1873.9	1814.7	1755.3
17.5°	2236.6	2236.0	2234.9	2213.3	2181.4	2151.0	2099.0	2043.8	1971.5	1887.9	1808.1
20°	2307.4	2302.0	2303.0	2278.8	2255.1	2220.0	2169.4	2089.1	2029.7	1933.2	1850.8
22.5°	2305.6	2304.5	2308.7	2300.3	2283.1	2256.3	2216.4	2148.6	2072.8	1975.5	1882.7
25°	2189.8	2185.6	2210.9	2217.9	2245.4	2250.2	2238.4	2201.2	2129.5	2029.2	1914.4
27.5°	1832.7	1830.3	1877.4	1936.3	2010.9	2068.9	2124.9	2152.0	2129.5	2057.7	1942.6
30°	1504.1	1554.8	1578.5	1663.7	1758.6	1871.8	1970.9	2065.3	2088.5	2057.2	1962.9
32.5°	1248.8	1293.0	1312.8	1385.9	1474.3	1606.9	1755.8	1889.4	1983.7	2007.6	1950.8
35°	949.9	950.5	995.7	1028.1	1110.0	1246.4	1390.9	1569.9	1747.8	1882.5	1896.6
37.5°	758.0	760.7	788.1	820.3	881.8	953.9	1081.1	1229.9	1435.4	1642.4	1763.6
40°	654.5	659.3	679.9	711.6	755.8	810.2	909.5	1049.6	1221.1	1451.3	1639.4
42.5°	588.0	596.0	606.5	631.0	658.4	709.3	789.6	897.9	1053.8	1271.5	1488.5
45°	506.8	511.0	519.2	530.4	555.2	590.9	644.8	717.6	846.9	1022.2	1239.4
47.5°	447.0	444.7	453.3	462.5	479.0	503.2	539.3	598.7	691.0	831.6	1015.9
50°	406.5	405.9	411.9	418.9	434.5	452.3	482.0	526.7	600.0	716.4	885.2
52.5°	368.5	370.6	374.8	383.5	394.8	409.2	435.8	468.0	531.0	631.5	772.2
55°	318.1	319.7	325.6	330.5	338.6	353.1	369.8	396.8	439.9	510.0	625.9
57.5°	275.4	274.6	280.4	281.5	290.7	302.5	315.4	336.4	367.7	419.8	497.8
60°	246.9	245.3	250.2	253.9	258.8	268.5	279.2	299.8	324.6	362.8	429.7
62.5°	221.0	220.3	223.9	227.6	231.6	240.4	249.5	265.2	284.9	317.1	370.2
65°	183.3	184.9	186.6	188.1	190.3	195.7	204.3	215.1	228.5	251.2	289.5
67.5°	144.0	145.7	146.2	149.6	154.2	157.6	162.8	172.4	181.8	200.9	222.7
70°	116.5	115.9	116.5	118.0	124.0	129.9	137.0	143.9	149.9	163.3	181.6
72.5°	100.1	99.1	100.5	100.8	103.7	105.4	109.8	116.4	124.0	133.2	146.3
75°	77.6	77.6	77.6	77.6	79.8	80.9	82.5	84.1	86.8	91.1	100.8
77.5°	57.4	57.4	58.2	58.8	59.2	59.8	60.8	62.4	63.4	65.7	69.9
80°	45.3	45.8	45.3	45.8	45.8	46.9	47.5	49.0	49.6	52.3	53.9
82.5°	34.1	33.7	34.1	34.6	34.6	35.7	35.8	37.0	37.1	38.5	40.1
85°	18.3	17.3	18.3	17.8	18.9	17.8	18.3	19.4	19.4	20.0	22.1
87.5°	5.9	6.9	5.9	6.3	6.3	6.7	6.7	6.6	7.4	7.0	7.3
90°	8.1	8.4	8.1	7.8	8.1	7.5	7.3	7.0	6.7	7.0	6.2
92.5°	13.5	14.0	13.7	14.6	15.1	16.5	18.7	23.6	32.5	43.0	47.4
95°	32.5	33.6	35.6	38.1	43.4	53.5	68.3	100.8	134.7	166.0	147.8
97.5°	88.4	90.8	98.4	111.0	131.7	165.1	201.2	251.2	275.2	257.3	188.4
100°	175.5	175.2	186.2	206.6	234.9	274.6	307.4	330.0	320.3	265.1	179.2
102.5°	257.5	264.0	273.1	289.2	311.2	336.4	355.5	356.2	322.5	250.6	165.7
105°	356.1	357.5	366.5	377.1	390.0	397.2	391.9	363.9	305.4	225.1	149.2
107.5°	412.9	415.4	418.4	422.1	421.8	411.9	387.3	341.8	275.5	202.6	138.7
110°	436.2	436.7	437.3	435.1	427.2	407.6	372.3	320.8	256.7	189.8	134.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	440.8	440.8	438.6	431.7	417.3	392.1	352.6	300.0	240.3	181.3	132.4
115°	433.1	431.7	426.0	413.8	392.8	362.3	321.1	272.4	220.6	172.1	131.6
117.5°	408.3	406.4	398.4	384.3	362.3	331.4	294.5	252.4	208.7	166.8	132.1
120°	387.7	386.0	379.3	363.6	341.5	313.2	279.6	241.9	202.4	164.3	133.0
122.5°	368.4	366.3	358.9	344.8	325.2	298.9	267.8	233.6	197.3	162.8	134.5
125°	341.5	339.6	332.6	320.3	302.4	280.0	253.1	222.5	190.7	160.7	136.9
127.5°	319.3	317.6	311.2	300.7	284.8	264.4	240.1	212.9	184.8	159.7	139.6
130°	306.8	304.6	298.7	288.6	273.8	254.8	232.1	206.8	181.6	159.0	141.4
132.5°	294.5	292.9	287.7	277.7	263.7	245.6	224.4	201.3	178.8	158.8	142.8
135°	276.9	274.9	269.9	261.5	247.7	231.8	213.6	193.7	175.0	158.4	144.7
137.5°	258.3	256.9	252.7	244.2	232.7	218.8	203.1	186.8	171.7	157.8	146.1
140°	245.3	245.5	241.1	233.2	222.5	210.5	197.1	182.8	169.6	157.6	146.9
142.5°	233.1	233.4	229.4	222.4	213.3	202.9	191.2	179.0	167.9	157.2	147.7
145°	216.4	215.9	213.6	207.7	200.7	192.6	183.6	174.4	165.4	156.5	148.1
147.5°	202.6	202.4	200.3	196.3	191.0	185.2	178.0	170.6	163.1	155.4	148.1
150°	194.6	194.6	192.9	189.8	185.6	180.3	174.4	167.9	161.5	154.6	148.1
152.5°	187.8	187.8	186.8	183.9	180.7	176.3	171.0	165.5	159.7	153.4	147.4
155°	179.4	179.2	178.6	176.3	173.8	170.5	166.3	161.8	157.0	151.5	146.7
157.5°	171.7	171.8	171.3	169.7	167.5	164.9	161.6	157.9	154.0	149.7	145.8
160°	166.8	167.2	167.2	165.4	163.5	161.5	158.8	155.7	152.0	148.4	145.3
162.5°	162.4	162.6	162.6	161.2	159.9	158.2	155.6	153.0	150.0	147.0	144.4
165°	156.5	156.5	156.8	155.7	154.6	153.1	151.1	149.5	147.3	145.0	143.1
167.5°	150.9	150.9	151.1	150.4	149.9	148.9	147.7	146.5	144.7	143.0	141.7
170°	147.5	147.5	147.8	147.3	146.9	146.4	145.3	144.4	143.1	141.6	140.9
172.5°	144.4	144.7	145.1	144.6	144.5	144.2	143.3	142.7	141.5	140.5	140.1
175°	140.9	141.1	141.4	141.1	141.1	141.1	140.5	140.2	139.7	139.1	139.1
177.5°	138.7	138.7	139.2	138.9	139.2	139.2	138.9	138.7	138.6	138.3	138.6
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1300.3	1299.0	1293.0	1286.1	1277.0	1271.0	1266.2	1263.7	1255.9	1246.4	1239.9
5°	1380.6	1364.5	1347.3	1326.2	1306.8	1286.8	1274.5	1259.9	1242.1	1222.2	1208.2
7.5°	1466.7	1435.0	1400.8	1365.6	1330.7	1299.5	1271.8	1248.2	1219.9	1191.3	1171.2
10°	1532.7	1486.3	1438.4	1389.3	1344.5	1302.5	1270.1	1238.3	1204.4	1171.5	1146.7
12.5°	1592.6	1531.6	1476.3	1416.0	1358.8	1308.5	1261.9	1224.6	1183.7	1148.6	1120.4
15°	1668.5	1606.0	1539.1	1447.5	1371.5	1307.9	1251.3	1202.2	1152.6	1109.5	1082.0
17.5°	1739.5	1645.4	1555.5	1479.1	1380.3	1300.8	1231.8	1173.1	1118.6	1072.9	1039.1
20°	1768.8	1677.7	1580.1	1482.6	1385.5	1296.6	1216.2	1151.5	1095.0	1043.1	1011.9
22.5°	1786.5	1683.3	1580.6	1475.7	1372.5	1280.2	1200.7	1129.6	1068.2	1019.0	980.4
25°	1807.0	1684.2	1571.0	1467.4	1362.3	1262.0	1167.7	1092.3	1026.0	973.6	932.6
27.5°	1820.7	1676.1	1542.3	1427.2	1320.6	1220.8	1134.2	1054.2	987.0	931.7	887.7
30°	1823.3	1669.6	1520.3	1395.7	1287.4	1195.7	1104.1	1027.5	956.4	897.6	856.7
32.5°	1826.7	1653.7	1490.5	1358.2	1247.3	1156.5	1073.5	1000.4	927.5	869.6	827.8
35°	1812.5	1644.8	1445.3	1293.3	1182.3	1094.4	1019.5	952.0	880.4	824.3	781.7
37.5°	1751.2	1609.8	1398.5	1220.2	1104.1	1022.7	961.6	902.9	837.1	776.7	736.5
40°	1689.6	1575.3	1362.3	1175.8	1054.5	970.9	915.9	868.0	804.4	747.7	704.6
42.5°	1597.7	1528.3	1327.9	1129.2	998.4	917.9	871.5	826.6	770.7	713.2	672.7
45°	1429.2	1438.4	1257.2	1055.0	920.8	840.0	796.2	765.0	715.4	668.0	626.5
47.5°	1217.8	1303.5	1174.3	976.0	838.9	763.0	724.8	697.6	664.2	617.6	579.7
50°	1079.8	1202.2	1107.9	923.0	787.7	712.2	674.4	652.3	623.2	586.5	550.4
52.5°	952.6	1084.0	1027.6	863.9	732.0	663.0	626.1	607.9	584.8	550.3	517.6
55°	776.8	910.0	897.1	774.7	648.6	586.5	558.5	538.1	522.4	496.5	470.6
57.5°	628.4	754.6	761.3	675.5	575.0	513.7	489.6	474.2	464.0	444.4	420.5
60°	534.8	650.7	673.4	608.6	522.4	468.5	444.7	432.4	424.3	408.6	390.3
62.5°	457.2	555.8	581.5	534.9	471.9	421.4	402.9	390.9	385.5	372.0	355.8
65°	349.9	431.8	456.6	430.7	397.8	357.4	342.3	332.1	327.3	319.7	307.8
67.5°	263.1	322.8	350.0	331.8	319.9	294.4	284.8	279.2	275.0	269.7	259.8
70°	211.4	255.6	283.6	278.7	269.0	255.6	248.5	244.8	240.4	236.1	227.5
72.5°	169.9	200.3	226.6	229.1	221.2	218.5	212.3	210.7	208.1	203.0	198.2
75°	112.6	133.7	152.0	159.1	162.2	164.9	162.2	161.8	161.2	156.9	154.2
77.5°	73.8	85.2	96.7	108.7	113.8	117.4	118.3	120.3	118.8	116.5	115.3
80°	56.6	59.3	67.4	77.6	85.7	89.0	91.1	92.2	91.7	91.1	89.0
82.5°	41.1	43.3	47.1	54.3	61.2	66.5	67.8	67.6	68.8	69.1	67.4
85°	22.1	22.7	23.7	24.8	28.6	34.5	36.1	37.2	38.3	38.3	35.0
87.5°	8.0	7.4	8.1	7.9	9.1	9.4	11.9	13.9	14.4	12.8	13.0
90°	5.3	4.5	3.6	3.1	2.5	1.7	1.1	0.6	1.1	1.7	2.5
92.5°	35.6	23.5	16.2	12.0	9.7	7.5	5.1	3.5	5.1	7.5	9.7
95°	101.9	60.2	36.4	25.5	18.2	13.5	10.4	9.5	10.4	13.5	18.2
97.5°	111.8	64.8	42.1	30.3	23.1	18.9	16.5	16.2	16.5	18.9	23.1
100°	105.5	64.1	44.5	33.6	26.9	23.0	21.0	20.8	21.0	23.0	26.9
102.5°	100.1	65.0	47.5	37.4	31.4	27.6	25.9	25.4	25.9	27.6	31.4
105°	96.3	67.5	52.4	43.6	38.3	35.0	33.4	32.5	33.4	35.0	38.3
107.5°	96.0	72.1	58.8	50.7	45.7	42.5	40.8	40.0	40.8	42.5	45.7
110°	97.1	75.9	63.3	55.5	50.7	47.6	46.2	45.3	46.2	47.6	50.7



TEST NUMBER: P332332-927

CATALOG NUMBER: S123RDIP-S1000D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	99.4	79.7	68.0	60.4	55.6	52.5	51.1	50.3	51.1	52.5	55.6
115°	103.0	86.0	75.3	67.7	63.0	60.2	58.5	57.4	58.5	60.2	63.0
117.5°	107.8	92.6	82.1	75.1	69.8	67.2	65.8	64.5	65.8	67.2	69.8
120°	111.4	96.9	86.7	79.8	74.5	71.7	70.3	69.4	70.3	71.7	74.5
122.5°	114.8	101.3	91.5	84.1	79.0	75.9	74.5	73.7	74.5	75.9	79.0
125°	120.1	107.8	98.0	90.4	85.1	82.0	80.3	79.8	80.3	82.0	85.1
127.5°	124.5	113.4	103.9	96.3	90.5	87.4	85.2	84.4	85.2	87.4	90.5
130°	127.4	116.8	107.5	100.0	94.0	90.7	88.2	87.4	88.2	90.7	94.0
132.5°	130.1	119.6	110.7	103.3	97.4	93.4	90.6	89.6	90.6	93.4	97.4
135°	133.6	124.0	115.3	107.8	101.9	97.7	94.6	93.5	94.6	97.7	101.9
137.5°	136.1	127.1	118.7	111.7	105.8	101.4	98.4	97.2	98.4	101.4	105.8
140°	137.4	129.0	121.0	113.9	108.4	103.9	101.1	99.7	101.1	103.9	108.4
142.5°	138.8	130.6	122.7	116.2	110.6	106.5	103.5	102.3	103.5	106.5	110.6
145°	140.2	132.7	125.4	119.0	114.2	110.0	107.5	106.6	107.5	110.0	114.2
147.5°	141.2	134.4	127.7	122.2	117.6	114.0	111.5	111.1	111.5	114.0	117.6
150°	141.4	135.5	129.0	124.0	120.1	116.5	114.2	113.9	114.2	116.5	120.1
152.5°	141.8	136.2	130.6	125.8	122.3	119.1	116.9	116.8	116.9	119.1	122.3
155°	142.0	137.4	132.7	128.8	125.7	122.9	121.2	121.2	121.2	122.9	125.7
157.5°	142.2	138.2	134.4	131.3	128.7	126.3	124.9	124.7	124.9	126.3	128.7
160°	142.2	138.9	135.5	132.7	130.7	128.5	127.4	127.4	127.4	128.5	130.7
162.5°	142.0	139.1	136.2	133.8	132.1	130.3	129.4	129.4	129.4	130.3	132.1
165°	141.4	139.4	137.2	135.2	134.1	132.7	132.1	132.4	132.1	132.7	134.1
167.5°	140.9	139.3	137.8	136.5	135.7	134.7	134.4	134.7	134.4	134.7	135.7
170°	140.2	139.1	137.8	137.2	136.6	135.8	135.5	136.0	135.5	135.8	136.6
172.5°	140.1	139.1	137.9	137.6	137.3	136.7	136.6	137.0	136.6	136.7	137.3
175°	139.4	138.9	138.3	138.0	138.0	137.4	137.8	138.0	137.8	137.4	138.0
177.5°	138.9	138.6	138.3	138.3	138.3	138.1	138.3	138.6	138.3	138.1	138.3
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332332-927

CATALOG NUMBER: S123RDIP-S1000D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1237.8	1232.2	1228.3	1219.6	1214.1	1208.0	1202.0	1205.9	1205.5	1205.0	1205.0
5°	1196.3	1183.8	1172.6	1158.0	1148.8	1137.5	1128.9	1127.8	1130.0	1122.4	1118.1
7.5°	1155.1	1138.1	1122.1	1106.0	1089.0	1075.4	1066.9	1062.9	1057.4	1052.7	1047.9
10°	1126.2	1106.3	1090.6	1070.6	1052.3	1036.2	1026.0	1018.9	1015.1	1011.4	1004.3
12.5°	1096.5	1076.9	1057.0	1034.4	1017.0	998.2	990.5	982.7	975.5	971.2	961.6
15°	1052.9	1027.5	1006.5	982.8	963.4	945.1	934.3	918.6	916.5	911.1	901.4
17.5°	1009.2	981.7	952.7	935.2	913.2	894.1	877.7	872.5	857.1	851.3	842.8
20°	974.7	949.4	927.2	904.1	872.3	854.4	841.5	834.6	822.1	814.6	809.2
22.5°	944.9	919.2	893.7	866.6	840.3	820.4	811.0	800.0	793.2	782.7	776.8
25°	902.5	874.4	843.7	814.6	795.7	780.6	765.6	755.8	746.2	741.2	730.5
27.5°	853.1	823.8	795.0	772.9	749.8	734.9	721.2	712.6	700.9	692.8	686.8
30°	825.9	791.4	766.6	746.6	717.0	703.0	692.8	682.0	673.4	664.7	658.8
32.5°	794.4	763.0	739.4	714.8	692.0	676.7	663.5	653.9	646.6	638.4	632.5
35°	745.0	718.7	694.3	669.6	652.8	637.2	621.6	613.5	606.5	599.0	593.6
37.5°	700.4	675.7	652.7	629.2	608.4	595.7	583.1	576.9	567.4	562.4	556.9
40°	672.8	648.6	623.8	601.1	579.6	569.8	558.5	549.4	540.7	536.9	531.0
42.5°	642.6	618.4	597.5	573.1	555.4	542.2	531.8	521.7	515.3	509.8	506.4
45°	597.9	576.3	555.8	531.6	514.8	503.5	491.6	482.5	476.6	472.8	466.8
47.5°	554.4	532.8	512.1	490.9	474.8	461.8	450.0	443.5	435.7	431.1	427.1
50°	522.9	503.5	481.4	462.0	445.8	432.9	423.2	415.1	408.1	402.2	399.5
52.5°	494.0	473.3	454.2	436.2	419.1	404.4	395.6	387.1	381.8	375.0	371.9
55°	446.4	426.4	410.3	392.4	375.7	363.4	352.6	345.0	339.6	332.1	327.8
57.5°	401.6	383.7	364.4	349.0	331.8	321.3	312.4	302.1	295.6	289.6	285.4
60°	371.5	350.9	334.2	319.7	304.6	291.1	283.0	275.0	267.9	262.0	258.3
62.5°	339.9	322.1	306.2	290.3	276.6	264.8	255.4	248.7	242.5	238.7	235.0
65°	291.7	277.7	261.5	248.5	235.6	227.0	219.4	213.5	209.1	206.4	203.3
67.5°	247.2	233.6	219.5	206.8	198.2	191.6	186.6	181.6	179.4	175.9	173.8
70°	218.3	204.3	191.9	182.2	173.6	168.7	165.5	161.8	159.5	155.3	153.1
72.5°	186.9	176.7	167.8	159.8	152.9	148.5	144.3	139.7	136.3	131.5	129.4
75°	147.2	138.0	131.0	125.6	121.3	115.3	109.4	104.6	103.0	101.3	100.8
77.5°	109.0	103.2	98.2	93.6	88.2	83.9	82.6	81.5	81.2	80.3	80.3
80°	85.7	80.3	76.5	71.1	67.9	67.9	67.9	66.9	67.4	67.4	67.4
82.5°	63.7	58.8	56.7	54.7	54.1	54.6	54.6	54.7	54.4	55.3	54.9
85°	32.9	33.4	34.5	34.0	34.5	34.5	35.6	35.0	35.6	34.5	35.6
87.5°	12.7	14.1	14.7	15.3	15.9	15.6	16.0	16.1	16.6	16.6	16.7
90°	3.1	3.6	4.5	5.3	6.2	7.0	6.7	7.0	7.3	7.5	8.1
92.5°	12.0	16.2	23.5	35.6	47.4	43.0	32.5	23.6	18.7	16.5	15.1
95°	25.5	36.4	60.2	101.9	147.8	166.0	134.7	100.8	68.3	53.5	43.4
97.5°	30.3	42.1	64.8	111.8	188.4	257.3	275.2	251.2	201.2	165.1	131.7
100°	33.6	44.5	64.1	105.5	179.2	265.1	320.3	330.0	307.4	274.6	234.9
102.5°	37.4	47.5	65.0	100.1	165.7	250.6	322.5	356.2	355.5	336.4	311.2
105°	43.6	52.4	67.5	96.3	149.2	225.1	305.4	363.9	391.9	397.2	390.0
107.5°	50.7	58.8	72.1	96.0	138.7	202.6	275.5	341.8	387.3	411.9	421.8
110°	55.5	63.3	75.9	97.1	134.7	189.8	256.7	320.8	372.3	407.6	427.2



TEST NUMBER: P332332-927

CATALOG NUMBER: S123RDIP-S1000D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	60.4	68.0	79.7	99.4	132.4	181.3	240.3	300.0	352.6	392.1	417.3
115°	67.7	75.3	86.0	103.0	131.6	172.1	220.6	272.4	321.1	362.3	392.8
117.5°	75.1	82.1	92.6	107.8	132.1	166.8	208.7	252.4	294.5	331.4	362.3
120°	79.8	86.7	96.9	111.4	133.0	164.3	202.4	241.9	279.6	313.2	341.5
122.5°	84.1	91.5	101.3	114.8	134.5	162.8	197.3	233.6	267.8	298.9	325.2
125°	90.4	98.0	107.8	120.1	136.9	160.7	190.7	222.5	253.1	280.0	302.4
127.5°	96.3	103.9	113.4	124.5	139.6	159.7	184.8	212.9	240.1	264.4	284.8
130°	100.0	107.5	116.8	127.4	141.4	159.0	181.6	206.8	232.1	254.8	273.8
132.5°	103.3	110.7	119.6	130.1	142.8	158.8	178.8	201.3	224.4	245.6	263.7
135°	107.8	115.3	124.0	133.6	144.7	158.4	175.0	193.7	213.6	231.8	247.7
137.5°	111.7	118.7	127.1	136.1	146.1	157.8	171.7	186.8	203.1	218.8	232.7
140°	113.9	121.0	129.0	137.4	146.9	157.6	169.6	182.8	197.1	210.5	222.5
142.5°	116.2	122.7	130.6	138.8	147.7	157.2	167.9	179.0	191.2	202.9	213.3
145°	119.0	125.4	132.7	140.2	148.1	156.5	165.4	174.4	183.6	192.6	200.7
147.5°	122.2	127.7	134.4	141.2	148.1	155.4	163.1	170.6	178.0	185.2	191.0
150°	124.0	129.0	135.5	141.4	148.1	154.6	161.5	167.9	174.4	180.3	185.6
152.5°	125.8	130.6	136.2	141.8	147.4	153.4	159.7	165.5	171.0	176.3	180.7
155°	128.8	132.7	137.4	142.0	146.7	151.5	157.0	161.8	166.3	170.5	173.8
157.5°	131.3	134.4	138.2	142.2	145.8	149.7	154.0	157.9	161.6	164.9	167.5
160°	132.7	135.5	138.9	142.2	145.3	148.4	152.0	155.7	158.8	161.5	163.5
162.5°	133.8	136.2	139.1	142.0	144.4	147.0	150.0	153.0	155.6	158.2	159.9
165°	135.2	137.2	139.4	141.4	143.1	145.0	147.3	149.5	151.1	153.1	154.6
167.5°	136.5	137.8	139.3	140.9	141.7	143.0	144.7	146.5	147.7	148.9	149.9
170°	137.2	137.8	139.1	140.2	140.9	141.6	143.1	144.4	145.3	146.4	146.9
172.5°	137.6	137.9	139.1	140.1	140.1	140.5	141.5	142.7	143.3	144.2	144.5
175°	138.0	138.3	138.9	139.4	139.1	139.1	139.7	140.2	140.5	141.1	141.1
177.5°	138.3	138.3	138.6	138.9	138.6	138.3	138.6	138.7	138.9	139.2	139.2
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332332-927

CATALOG NUMBER: S123RDIP-S1000D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1199.8	1199.4	1199.8	1198.1	1199.8	1199.4	1199.8	1205.0	1205.0	1205.5	1205.9
5°	1116.5	1115.9	1114.4	1109.5	1114.4	1115.9	1116.5	1118.1	1122.4	1130.0	1127.8
7.5°	1043.7	1043.0	1038.2	1038.3	1038.2	1043.0	1043.7	1047.9	1052.7	1057.4	1062.9
10°	1000.6	1001.1	994.7	990.9	994.7	1001.1	1000.6	1004.3	1011.4	1015.1	1018.9
12.5°	958.8	956.2	951.1	946.9	951.1	956.2	958.8	961.6	971.2	975.5	982.7
15°	903.6	898.2	885.2	886.3	885.2	898.2	903.6	901.4	911.1	916.5	918.6
17.5°	838.5	834.6	834.3	826.8	834.3	834.6	838.5	842.8	851.3	857.1	872.5
20°	800.6	797.9	798.9	791.4	798.9	797.9	800.6	809.2	814.6	822.1	834.6
22.5°	770.8	768.1	763.6	761.2	763.6	768.1	770.8	776.8	782.7	793.2	800.0
25°	727.2	722.9	718.7	721.4	718.7	722.9	727.2	730.5	741.2	746.2	755.8
27.5°	683.7	680.5	676.1	675.6	676.1	680.5	683.7	686.8	692.8	700.9	712.6
30°	656.1	652.8	650.7	648.0	650.7	652.8	656.1	658.8	664.7	673.4	682.0
32.5°	628.0	627.4	623.5	623.0	623.5	627.4	628.0	632.5	638.4	646.6	653.9
35°	591.4	588.2	587.1	587.6	587.1	588.2	591.4	593.6	599.0	606.5	613.5
37.5°	556.6	552.2	550.3	548.3	550.3	552.2	556.6	556.9	562.4	567.4	576.9
40°	531.6	527.3	526.2	525.1	526.2	527.3	531.6	531.0	536.9	540.7	549.4
42.5°	503.5	501.8	501.1	499.2	501.1	501.8	503.5	506.4	509.8	515.3	521.7
45°	465.2	464.7	461.4	462.6	461.4	464.7	465.2	466.8	472.8	476.6	482.5
47.5°	424.9	422.6	420.3	421.8	420.3	422.6	424.9	427.1	431.1	435.7	443.5
50°	397.4	396.2	391.4	392.4	391.4	396.2	397.4	399.5	402.2	408.1	415.1
52.5°	369.7	365.6	363.8	363.1	363.8	365.6	369.7	371.9	375.0	381.8	387.1
55°	324.0	319.2	317.0	315.9	317.0	319.2	324.0	327.8	332.1	339.6	345.0
57.5°	279.2	277.8	276.2	277.3	276.2	277.8	279.2	285.4	289.6	295.6	302.1
60°	252.9	252.9	252.9	252.3	252.9	252.9	252.9	258.3	262.0	267.9	275.0
62.5°	232.6	231.2	230.8	231.6	230.8	231.2	232.6	235.0	238.7	242.5	248.7
65°	201.6	201.1	198.9	198.4	198.9	201.1	201.6	203.3	206.4	209.1	213.5
67.5°	172.4	170.5	169.8	169.1	169.8	170.5	172.4	173.8	175.9	179.4	181.6
70°	150.4	149.3	146.1	146.6	146.1	149.3	150.4	153.1	155.3	159.5	161.8
72.5°	126.7	125.6	124.9	124.2	124.9	125.6	126.7	129.4	131.5	136.3	139.7
75°	100.3	99.7	99.2	101.3	99.2	99.7	100.3	100.8	101.3	103.0	104.6
77.5°	80.3	80.3	80.6	79.8	80.6	80.3	80.3	80.3	80.3	81.2	81.5
80°	67.4	67.4	66.9	66.9	66.9	67.4	67.4	67.4	67.4	67.4	66.9
82.5°	54.0	54.4	54.7	53.9	54.7	54.4	54.0	54.9	55.3	54.4	54.7
85°	35.6	35.0	36.1	35.6	36.1	35.0	35.6	35.6	34.5	35.6	35.0
87.5°	17.5	16.7	16.8	17.1	16.8	16.7	17.5	16.7	16.6	16.6	16.1
90°	7.8	8.1	8.4	8.1	8.4	8.1	7.8	8.1	7.5	7.3	7.0
92.5°	14.6	13.7	14.0	13.5	14.0	13.7	14.6	15.1	16.5	18.7	23.6
95°	38.1	35.6	33.6	32.5	33.6	35.6	38.1	43.4	53.5	68.3	100.8
97.5°	111.0	98.4	90.8	88.4	90.8	98.4	111.0	131.7	165.1	201.2	251.2
100°	206.6	186.2	175.2	175.5	175.2	186.2	206.6	234.9	274.6	307.4	330.0
102.5°	289.2	273.1	264.0	257.5	264.0	273.1	289.2	311.2	336.4	355.5	356.2
105°	377.1	366.5	357.5	356.1	357.5	366.5	377.1	390.0	397.2	391.9	363.9
107.5°	422.1	418.4	415.4	412.9	415.4	418.4	422.1	421.8	411.9	387.3	341.8
110°	435.1	437.3	436.7	436.2	436.7	437.3	435.1	427.2	407.6	372.3	320.8



TEST NUMBER: P332332-927

CATALOG NUMBER: S123RDIP-S1000D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	431.7	438.6	440.8	440.8	440.8	438.6	431.7	417.3	392.1	352.6	300.0
115°	413.8	426.0	431.7	433.1	431.7	426.0	413.8	392.8	362.3	321.1	272.4
117.5°	384.3	398.4	406.4	408.3	406.4	398.4	384.3	362.3	331.4	294.5	252.4
120°	363.6	379.3	386.0	387.7	386.0	379.3	363.6	341.5	313.2	279.6	241.9
122.5°	344.8	358.9	366.3	368.4	366.3	358.9	344.8	325.2	298.9	267.8	233.6
125°	320.3	332.6	339.6	341.5	339.6	332.6	320.3	302.4	280.0	253.1	222.5
127.5°	300.7	311.2	317.6	319.3	317.6	311.2	300.7	284.8	264.4	240.1	212.9
130°	288.6	298.7	304.6	306.8	304.6	298.7	288.6	273.8	254.8	232.1	206.8
132.5°	277.7	287.7	292.9	294.5	292.9	287.7	277.7	263.7	245.6	224.4	201.3
135°	261.5	269.9	274.9	276.9	274.9	269.9	261.5	247.7	231.8	213.6	193.7
137.5°	244.2	252.7	256.9	258.3	256.9	252.7	244.2	232.7	218.8	203.1	186.8
140°	233.2	241.1	245.5	245.3	245.5	241.1	233.2	222.5	210.5	197.1	182.8
142.5°	222.4	229.4	233.4	233.1	233.4	229.4	222.4	213.3	202.9	191.2	179.0
145°	207.7	213.6	215.9	216.4	215.9	213.6	207.7	200.7	192.6	183.6	174.4
147.5°	196.3	200.3	202.4	202.6	202.4	200.3	196.3	191.0	185.2	178.0	170.6
150°	189.8	192.9	194.6	194.6	194.6	192.9	189.8	185.6	180.3	174.4	167.9
152.5°	183.9	186.8	187.8	187.8	187.8	186.8	183.9	180.7	176.3	171.0	165.5
155°	176.3	178.6	179.2	179.4	179.2	178.6	176.3	173.8	170.5	166.3	161.8
157.5°	169.7	171.3	171.8	171.7	171.8	171.3	169.7	167.5	164.9	161.6	157.9
160°	165.4	167.2	167.2	166.8	167.2	167.2	165.4	163.5	161.5	158.8	155.7
162.5°	161.2	162.6	162.6	162.4	162.6	162.6	161.2	159.9	158.2	155.6	153.0
165°	155.7	156.8	156.5	156.5	156.5	156.8	155.7	154.6	153.1	151.1	149.5
167.5°	150.4	151.1	150.9	150.9	150.9	151.1	150.4	149.9	148.9	147.7	146.5
170°	147.3	147.8	147.5	147.5	147.5	147.8	147.3	146.9	146.4	145.3	144.4
172.5°	144.6	145.1	144.7	144.4	144.7	145.1	144.6	144.5	144.2	143.3	142.7
175°	141.1	141.4	141.1	140.9	141.1	141.4	141.1	141.1	141.1	140.5	140.2
177.5°	138.9	139.2	138.7	138.7	138.7	139.2	138.9	139.2	139.2	138.9	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332332-927

CATALOG NUMBER: S123RDIP-S1000D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1202.0	1208.0	1214.1	1219.6	1228.3	1232.2	1237.8	1239.9	1246.4	1255.9	1263.7
5°	1128.9	1137.5	1148.8	1158.0	1172.6	1183.8	1196.3	1208.2	1222.2	1242.1	1259.9
7.5°	1066.9	1075.4	1089.0	1106.0	1122.1	1138.1	1155.1	1171.2	1191.3	1219.9	1248.2
10°	1026.0	1036.2	1052.3	1070.6	1090.6	1106.3	1126.2	1146.7	1171.5	1204.4	1238.3
12.5°	990.5	998.2	1017.0	1034.4	1057.0	1076.9	1096.5	1120.4	1148.6	1183.7	1224.6
15°	934.3	945.1	963.4	982.8	1006.5	1027.5	1052.9	1082.0	1109.5	1152.6	1202.2
17.5°	877.7	894.1	913.2	935.2	952.7	981.7	1009.2	1039.1	1072.9	1118.6	1173.1
20°	841.5	854.4	872.3	904.1	927.2	949.4	974.7	1011.9	1043.1	1095.0	1151.5
22.5°	811.0	820.4	840.3	866.6	893.7	919.2	944.9	980.4	1019.0	1068.2	1129.6
25°	765.6	780.6	795.7	814.6	843.7	874.4	902.5	932.6	973.6	1026.0	1092.3
27.5°	721.2	734.9	749.8	772.9	795.0	823.8	853.1	887.7	931.7	987.0	1054.2
30°	692.8	703.0	717.0	746.6	766.6	791.4	825.9	856.7	897.6	956.4	1027.5
32.5°	663.5	676.7	692.0	714.8	739.4	763.0	794.4	827.8	869.6	927.5	1000.4
35°	621.6	637.2	652.8	669.6	694.3	718.7	745.0	781.7	824.3	880.4	952.0
37.5°	583.1	595.7	608.4	629.2	652.7	675.7	700.4	736.5	776.7	837.1	902.9
40°	558.5	569.8	579.6	601.1	623.8	648.6	672.8	704.6	747.7	804.4	868.0
42.5°	531.8	542.2	555.4	573.1	597.5	618.4	642.6	672.7	713.2	770.7	826.6
45°	491.6	503.5	514.8	531.6	555.8	576.3	597.9	626.5	668.0	715.4	765.0
47.5°	450.0	461.8	474.8	490.9	512.1	532.8	554.4	579.7	617.6	664.2	697.6
50°	423.2	432.9	445.8	462.0	481.4	503.5	522.9	550.4	586.5	623.2	652.3
52.5°	395.6	404.4	419.1	436.2	454.2	473.3	494.0	517.6	550.3	584.8	607.9
55°	352.6	363.4	375.7	392.4	410.3	426.4	446.4	470.6	496.5	522.4	538.1
57.5°	312.4	321.3	331.8	349.0	364.4	383.7	401.6	420.5	444.4	464.0	474.2
60°	283.0	291.1	304.6	319.7	334.2	350.9	371.5	390.3	408.6	424.3	432.4
62.5°	255.4	264.8	276.6	290.3	306.2	322.1	339.9	355.8	372.0	385.5	390.9
65°	219.4	227.0	235.6	248.5	261.5	277.7	291.7	307.8	319.7	327.3	332.1
67.5°	186.6	191.6	198.2	206.8	219.5	233.6	247.2	259.8	269.7	275.0	279.2
70°	165.5	168.7	173.6	182.2	191.9	204.3	218.3	227.5	236.1	240.4	244.8
72.5°	144.3	148.5	152.9	159.8	167.8	176.7	186.9	198.2	203.0	208.1	210.7
75°	109.4	115.3	121.3	125.6	131.0	138.0	147.2	154.2	156.9	161.2	161.8
77.5°	82.6	83.9	88.2	93.6	98.2	103.2	109.0	115.3	116.5	118.8	120.3
80°	67.9	67.9	67.9	71.1	76.5	80.3	85.7	89.0	91.1	91.7	92.2
82.5°	54.6	54.6	54.1	54.7	56.7	58.8	63.7	67.4	69.1	68.8	67.6
85°	35.6	34.5	34.5	34.0	34.5	33.4	32.9	35.0	38.3	38.3	37.2
87.5°	16.0	15.6	15.9	15.3	14.7	14.1	12.7	13.0	12.8	14.4	13.9
90°	6.7	7.0	6.2	5.3	4.5	3.6	3.1	2.5	1.7	1.1	0.6
92.5°	32.5	43.0	47.4	35.6	23.5	16.2	12.0	9.7	7.5	5.1	3.5
95°	134.7	166.0	147.8	101.9	60.2	36.4	25.5	18.2	13.5	10.4	9.5
97.5°	275.2	257.3	188.4	111.8	64.8	42.1	30.3	23.1	18.9	16.5	16.2
100°	320.3	265.1	179.2	105.5	64.1	44.5	33.6	26.9	23.0	21.0	20.8
102.5°	322.5	250.6	165.7	100.1	65.0	47.5	37.4	31.4	27.6	25.9	25.4
105°	305.4	225.1	149.2	96.3	67.5	52.4	43.6	38.3	35.0	33.4	32.5
107.5°	275.5	202.6	138.7	96.0	72.1	58.8	50.7	45.7	42.5	40.8	40.0
110°	256.7	189.8	134.7	97.1	75.9	63.3	55.5	50.7	47.6	46.2	45.3



TEST NUMBER: P332332-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	240.3	181.3	132.4	99.4	79.7	68.0	60.4	55.6	52.5	51.1	50.3
115°	220.6	172.1	131.6	103.0	86.0	75.3	67.7	63.0	60.2	58.5	57.4
117.5°	208.7	166.8	132.1	107.8	92.6	82.1	75.1	69.8	67.2	65.8	64.5
120°	202.4	164.3	133.0	111.4	96.9	86.7	79.8	74.5	71.7	70.3	69.4
122.5°	197.3	162.8	134.5	114.8	101.3	91.5	84.1	79.0	75.9	74.5	73.7
125°	190.7	160.7	136.9	120.1	107.8	98.0	90.4	85.1	82.0	80.3	79.8
127.5°	184.8	159.7	139.6	124.5	113.4	103.9	96.3	90.5	87.4	85.2	84.4
130°	181.6	159.0	141.4	127.4	116.8	107.5	100.0	94.0	90.7	88.2	87.4
132.5°	178.8	158.8	142.8	130.1	119.6	110.7	103.3	97.4	93.4	90.6	89.6
135°	175.0	158.4	144.7	133.6	124.0	115.3	107.8	101.9	97.7	94.6	93.5
137.5°	171.7	157.8	146.1	136.1	127.1	118.7	111.7	105.8	101.4	98.4	97.2
140°	169.6	157.6	146.9	137.4	129.0	121.0	113.9	108.4	103.9	101.1	99.7
142.5°	167.9	157.2	147.7	138.8	130.6	122.7	116.2	110.6	106.5	103.5	102.3
145°	165.4	156.5	148.1	140.2	132.7	125.4	119.0	114.2	110.0	107.5	106.6
147.5°	163.1	155.4	148.1	141.2	134.4	127.7	122.2	117.6	114.0	111.5	111.1
150°	161.5	154.6	148.1	141.4	135.5	129.0	124.0	120.1	116.5	114.2	113.9
152.5°	159.7	153.4	147.4	141.8	136.2	130.6	125.8	122.3	119.1	116.9	116.8
155°	157.0	151.5	146.7	142.0	137.4	132.7	128.8	125.7	122.9	121.2	121.2
157.5°	154.0	149.7	145.8	142.2	138.2	134.4	131.3	128.7	126.3	124.9	124.7
160°	152.0	148.4	145.3	142.2	138.9	135.5	132.7	130.7	128.5	127.4	127.4
162.5°	150.0	147.0	144.4	142.0	139.1	136.2	133.8	132.1	130.3	129.4	129.4
165°	147.3	145.0	143.1	141.4	139.4	137.2	135.2	134.1	132.7	132.1	132.4
167.5°	144.7	143.0	141.7	140.9	139.3	137.8	136.5	135.7	134.7	134.4	134.7
170°	143.1	141.6	140.9	140.2	139.1	137.8	137.2	136.6	135.8	135.5	136.0
172.5°	141.5	140.5	140.1	140.1	139.1	137.9	137.6	137.3	136.7	136.6	137.0
175°	139.7	139.1	139.1	139.4	138.9	138.3	138.0	138.0	137.4	137.8	138.0
177.5°	138.6	138.3	138.6	138.9	138.6	138.3	138.3	138.3	138.1	138.3	138.6
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



TEST NUMBER: P332332-927

CATALOG NUMBER: S123RDIP-S1000D365U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1266.2	1271.0	1277.0	1286.1	1293.0	1299.0	1300.3	1302.0	1306.4	1313.7	1319.3
5°	1274.5	1286.8	1306.8	1326.2	1347.3	1364.5	1380.6	1391.9	1402.7	1425.4	1443.8
7.5°	1271.8	1299.5	1330.7	1365.6	1400.8	1435.0	1466.7	1495.1	1523.3	1556.3	1593.9
10°	1270.1	1302.5	1344.5	1389.3	1438.4	1486.3	1532.7	1568.8	1610.8	1648.6	1696.5
12.5°	1261.9	1308.5	1358.8	1416.0	1476.3	1531.6	1592.6	1642.5	1690.7	1745.2	1800.9
15°	1251.3	1307.9	1371.5	1447.5	1539.1	1606.0	1668.5	1755.3	1814.7	1873.9	1953.8
17.5°	1231.8	1300.8	1380.3	1479.1	1555.5	1645.4	1739.5	1808.1	1887.9	1971.5	2043.8
20°	1216.2	1296.6	1385.5	1482.6	1580.1	1677.7	1768.8	1850.8	1933.2	2029.7	2089.1
22.5°	1200.7	1280.2	1372.5	1475.7	1580.6	1683.3	1786.5	1882.7	1975.5	2072.8	2148.6
25°	1167.7	1262.0	1362.3	1467.4	1571.0	1684.2	1807.0	1914.4	2029.2	2129.5	2201.2
27.5°	1134.2	1220.8	1320.6	1427.2	1542.3	1676.1	1820.7	1942.6	2057.7	2129.5	2152.0
30°	1104.1	1195.7	1287.4	1395.7	1520.3	1669.6	1823.3	1962.9	2057.2	2088.5	2065.3
32.5°	1073.5	1156.5	1247.3	1358.2	1490.5	1653.7	1826.7	1950.8	2007.6	1983.7	1889.4
35°	1019.5	1094.4	1182.3	1293.3	1445.3	1644.8	1812.5	1896.6	1882.5	1747.8	1569.9
37.5°	961.6	1022.7	1104.1	1220.2	1398.5	1609.8	1751.2	1763.6	1642.4	1435.4	1229.9
40°	915.9	970.9	1054.5	1175.8	1362.3	1575.3	1689.6	1639.4	1451.3	1221.1	1049.6
42.5°	871.5	917.9	998.4	1129.2	1327.9	1528.3	1597.7	1488.5	1271.5	1053.8	897.9
45°	796.2	840.0	920.8	1055.0	1257.2	1438.4	1429.2	1239.4	1022.2	846.9	717.6
47.5°	724.8	763.0	838.9	976.0	1174.3	1303.5	1217.8	1015.9	831.6	691.0	598.7
50°	674.4	712.2	787.7	923.0	1107.9	1202.2	1079.8	885.2	716.4	600.0	526.7
52.5°	626.1	663.0	732.0	863.9	1027.6	1084.0	952.6	772.2	631.5	531.0	468.0
55°	558.5	586.5	648.6	774.7	897.1	910.0	776.8	625.9	510.0	439.9	396.8
57.5°	489.6	513.7	575.0	675.5	761.3	754.6	628.4	497.8	419.8	367.7	336.4
60°	444.7	468.5	522.4	608.6	673.4	650.7	534.8	429.7	362.8	324.6	299.8
62.5°	402.9	421.4	471.9	534.9	581.5	555.8	457.2	370.2	317.1	284.9	265.2
65°	342.3	357.4	397.8	430.7	456.6	431.8	349.9	289.5	251.2	228.5	215.1
67.5°	284.8	294.4	319.9	331.8	350.0	322.8	263.1	222.7	200.9	181.8	172.4
70°	248.5	255.6	269.0	278.7	283.6	255.6	211.4	181.6	163.3	149.9	143.9
72.5°	212.3	218.5	221.2	229.1	226.6	200.3	169.9	146.3	133.2	124.0	116.4
75°	162.2	164.9	162.2	159.1	152.0	133.7	112.6	100.8	91.1	86.8	84.1
77.5°	118.3	117.4	113.8	108.7	96.7	85.2	73.8	69.9	65.7	63.4	62.4
80°	91.1	89.0	85.7	77.6	67.4	59.3	56.6	53.9	52.3	49.6	49.0
82.5°	67.8	66.5	61.2	54.3	47.1	43.3	41.1	40.1	38.5	37.1	37.0
85°	36.1	34.5	28.6	24.8	23.7	22.7	22.1	22.1	20.0	19.4	19.4
87.5°	11.9	9.4	9.1	7.9	8.1	7.4	8.0	7.3	7.0	7.4	6.6
90°	1.1	1.7	2.5	3.1	3.6	4.5	5.3	6.2	7.0	6.7	7.0
92.5°	5.1	7.5	9.7	12.0	16.2	23.5	35.6	47.4	43.0	32.5	23.6
95°	10.4	13.5	18.2	25.5	36.4	60.2	101.9	147.8	166.0	134.7	100.8
97.5°	16.5	18.9	23.1	30.3	42.1	64.8	111.8	188.4	257.3	275.2	251.2
100°	21.0	23.0	26.9	33.6	44.5	64.1	105.5	179.2	265.1	320.3	330.0
102.5°	25.9	27.6	31.4	37.4	47.5	65.0	100.1	165.7	250.6	322.5	356.2
105°	33.4	35.0	38.3	43.6	52.4	67.5	96.3	149.2	225.1	305.4	363.9
107.5°	40.8	42.5	45.7	50.7	58.8	72.1	96.0	138.7	202.6	275.5	341.8
110°	46.2	47.6	50.7	55.5	63.3	75.9	97.1	134.7	189.8	256.7	320.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	51.1	52.5	55.6	60.4	68.0	79.7	99.4	132.4	181.3	240.3	300.0
115°	58.5	60.2	63.0	67.7	75.3	86.0	103.0	131.6	172.1	220.6	272.4
117.5°	65.8	67.2	69.8	75.1	82.1	92.6	107.8	132.1	166.8	208.7	252.4
120°	70.3	71.7	74.5	79.8	86.7	96.9	111.4	133.0	164.3	202.4	241.9
122.5°	74.5	75.9	79.0	84.1	91.5	101.3	114.8	134.5	162.8	197.3	233.6
125°	80.3	82.0	85.1	90.4	98.0	107.8	120.1	136.9	160.7	190.7	222.5
127.5°	85.2	87.4	90.5	96.3	103.9	113.4	124.5	139.6	159.7	184.8	212.9
130°	88.2	90.7	94.0	100.0	107.5	116.8	127.4	141.4	159.0	181.6	206.8
132.5°	90.6	93.4	97.4	103.3	110.7	119.6	130.1	142.8	158.8	178.8	201.3
135°	94.6	97.7	101.9	107.8	115.3	124.0	133.6	144.7	158.4	175.0	193.7
137.5°	98.4	101.4	105.8	111.7	118.7	127.1	136.1	146.1	157.8	171.7	186.8
140°	101.1	103.9	108.4	113.9	121.0	129.0	137.4	146.9	157.6	169.6	182.8
142.5°	103.5	106.5	110.6	116.2	122.7	130.6	138.8	147.7	157.2	167.9	179.0
145°	107.5	110.0	114.2	119.0	125.4	132.7	140.2	148.1	156.5	165.4	174.4
147.5°	111.5	114.0	117.6	122.2	127.7	134.4	141.2	148.1	155.4	163.1	170.6
150°	114.2	116.5	120.1	124.0	129.0	135.5	141.4	148.1	154.6	161.5	167.9
152.5°	116.9	119.1	122.3	125.8	130.6	136.2	141.8	147.4	153.4	159.7	165.5
155°	121.2	122.9	125.7	128.8	132.7	137.4	142.0	146.7	151.5	157.0	161.8
157.5°	124.9	126.3	128.7	131.3	134.4	138.2	142.2	145.8	149.7	154.0	157.9
160°	127.4	128.5	130.7	132.7	135.5	138.9	142.2	145.3	148.4	152.0	155.7
162.5°	129.4	130.3	132.1	133.8	136.2	139.1	142.0	144.4	147.0	150.0	153.0
165°	132.1	132.7	134.1	135.2	137.2	139.4	141.4	143.1	145.0	147.3	149.5
167.5°	134.4	134.7	135.7	136.5	137.8	139.3	140.9	141.7	143.0	144.7	146.5
170°	135.5	135.8	136.6	137.2	137.8	139.1	140.2	140.9	141.6	143.1	144.4
172.5°	136.6	136.7	137.3	137.6	137.9	139.1	140.1	140.1	140.5	141.5	142.7
175°	137.8	137.4	138.0	138.0	138.3	138.9	139.4	139.1	139.1	139.7	140.2
177.5°	138.3	138.1	138.3	138.3	138.3	138.6	138.9	138.6	138.3	138.6	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3	138.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3	1259.3
2.5°	1328.3	1328.3	1330.1	1336.6	1337.4	1343.0	1341.3
5°	1459.9	1470.1	1473.9	1490.1	1499.8	1504.1	1495.5
7.5°	1620.8	1649.6	1663.3	1680.3	1695.3	1699.8	1688.1
10°	1738.0	1768.2	1793.6	1809.3	1823.8	1833.5	1845.9
12.5°	1851.5	1888.6	1912.6	1934.7	1949.7	1962.0	1964.1
15°	1974.8	2030.8	2073.4	2104.7	2120.3	2128.4	2125.2
17.5°	2099.0	2151.0	2181.4	2213.3	2234.9	2236.0	2236.6
20°	2169.4	2220.0	2255.1	2278.8	2303.0	2302.0	2307.4
22.5°	2216.4	2256.3	2283.1	2300.3	2308.7	2304.5	2305.6
25°	2238.4	2250.2	2245.4	2217.9	2210.9	2185.6	2189.8
27.5°	2124.9	2068.9	2010.9	1936.3	1877.4	1830.3	1832.7
30°	1970.9	1871.8	1758.6	1663.7	1578.5	1554.8	1504.1
32.5°	1755.8	1606.9	1474.3	1385.9	1312.8	1293.0	1248.8
35°	1390.9	1246.4	1110.0	1028.1	995.7	950.5	949.9
37.5°	1081.1	953.9	881.8	820.3	788.1	760.7	758.0
40°	909.5	810.2	755.8	711.6	679.9	659.3	654.5
42.5°	789.6	709.3	658.4	631.0	606.5	596.0	588.0
45°	644.8	590.9	555.2	530.4	519.2	511.0	506.8
47.5°	539.3	503.2	479.0	462.5	453.3	444.7	447.0
50°	482.0	452.3	434.5	418.9	411.9	405.9	406.5
52.5°	435.8	409.2	394.8	383.5	374.8	370.6	368.5
55°	369.8	353.1	338.6	330.5	325.6	319.7	318.1
57.5°	315.4	302.5	290.7	281.5	280.4	274.6	275.4
60°	279.2	268.5	258.8	253.9	250.2	245.3	246.9
62.5°	249.5	240.4	231.6	227.6	223.9	220.3	221.0
65°	204.3	195.7	190.3	188.1	186.6	184.9	183.3
67.5°	162.8	157.6	154.2	149.6	146.2	145.7	144.0
70°	137.0	129.9	124.0	118.0	116.5	115.9	116.5
72.5°	109.8	105.4	103.7	100.8	100.5	99.1	100.1
75°	82.5	80.9	79.8	77.6	77.6	77.6	77.6
77.5°	60.8	59.8	59.2	58.8	58.2	57.4	57.4
80°	47.5	46.9	45.8	45.8	45.3	45.8	45.3
82.5°	35.8	35.7	34.6	34.6	34.1	33.7	34.1
85°	18.3	17.8	18.9	17.8	18.3	17.3	18.3
87.5°	6.7	6.7	6.3	6.3	5.9	6.9	5.9
90°	7.3	7.5	8.1	7.8	8.1	8.4	8.1
92.5°	18.7	16.5	15.1	14.6	13.7	14.0	13.5
95°	68.3	53.5	43.4	38.1	35.6	33.6	32.5
97.5°	201.2	165.1	131.7	111.0	98.4	90.8	88.4
100°	307.4	274.6	234.9	206.6	186.2	175.2	175.5
102.5°	355.5	336.4	311.2	289.2	273.1	264.0	257.5
105°	391.9	397.2	390.0	377.1	366.5	357.5	356.1
107.5°	387.3	411.9	421.8	422.1	418.4	415.4	412.9
110°	372.3	407.6	427.2	435.1	437.3	436.7	436.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	352.6	392.1	417.3	431.7	438.6	440.8	440.8
115°	321.1	362.3	392.8	413.8	426.0	431.7	433.1
117.5°	294.5	331.4	362.3	384.3	398.4	406.4	408.3
120°	279.6	313.2	341.5	363.6	379.3	386.0	387.7
122.5°	267.8	298.9	325.2	344.8	358.9	366.3	368.4
125°	253.1	280.0	302.4	320.3	332.6	339.6	341.5
127.5°	240.1	264.4	284.8	300.7	311.2	317.6	319.3
130°	232.1	254.8	273.8	288.6	298.7	304.6	306.8
132.5°	224.4	245.6	263.7	277.7	287.7	292.9	294.5
135°	213.6	231.8	247.7	261.5	269.9	274.9	276.9
137.5°	203.1	218.8	232.7	244.2	252.7	256.9	258.3
140°	197.1	210.5	222.5	233.2	241.1	245.5	245.3
142.5°	191.2	202.9	213.3	222.4	229.4	233.4	233.1
145°	183.6	192.6	200.7	207.7	213.6	215.9	216.4
147.5°	178.0	185.2	191.0	196.3	200.3	202.4	202.6
150°	174.4	180.3	185.6	189.8	192.9	194.6	194.6
152.5°	171.0	176.3	180.7	183.9	186.8	187.8	187.8
155°	166.3	170.5	173.8	176.3	178.6	179.2	179.4
157.5°	161.6	164.9	167.5	169.7	171.3	171.8	171.7
160°	158.8	161.5	163.5	165.4	167.2	167.2	166.8
162.5°	155.6	158.2	159.9	161.2	162.6	162.6	162.4
165°	151.1	153.1	154.6	155.7	156.8	156.5	156.5
167.5°	147.7	148.9	149.9	150.4	151.1	150.9	150.9
170°	145.3	146.4	146.9	147.3	147.8	147.5	147.5
172.5°	143.3	144.2	144.5	144.6	145.1	144.7	144.4
175°	140.5	141.1	141.1	141.1	141.4	141.1	140.9
177.5°	138.9	139.2	139.2	138.9	139.2	138.7	138.7
180°	138.3	138.3	138.3	138.3	138.3	138.3	138.3

(END OF REPORT)