

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: P332338-927

Luminaire Tested: **S123RDIP-S1000D585U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332338-927
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-S1000D585U927-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4816.6 lumens
Efficiency: N/A
Efficacy: 98.7 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

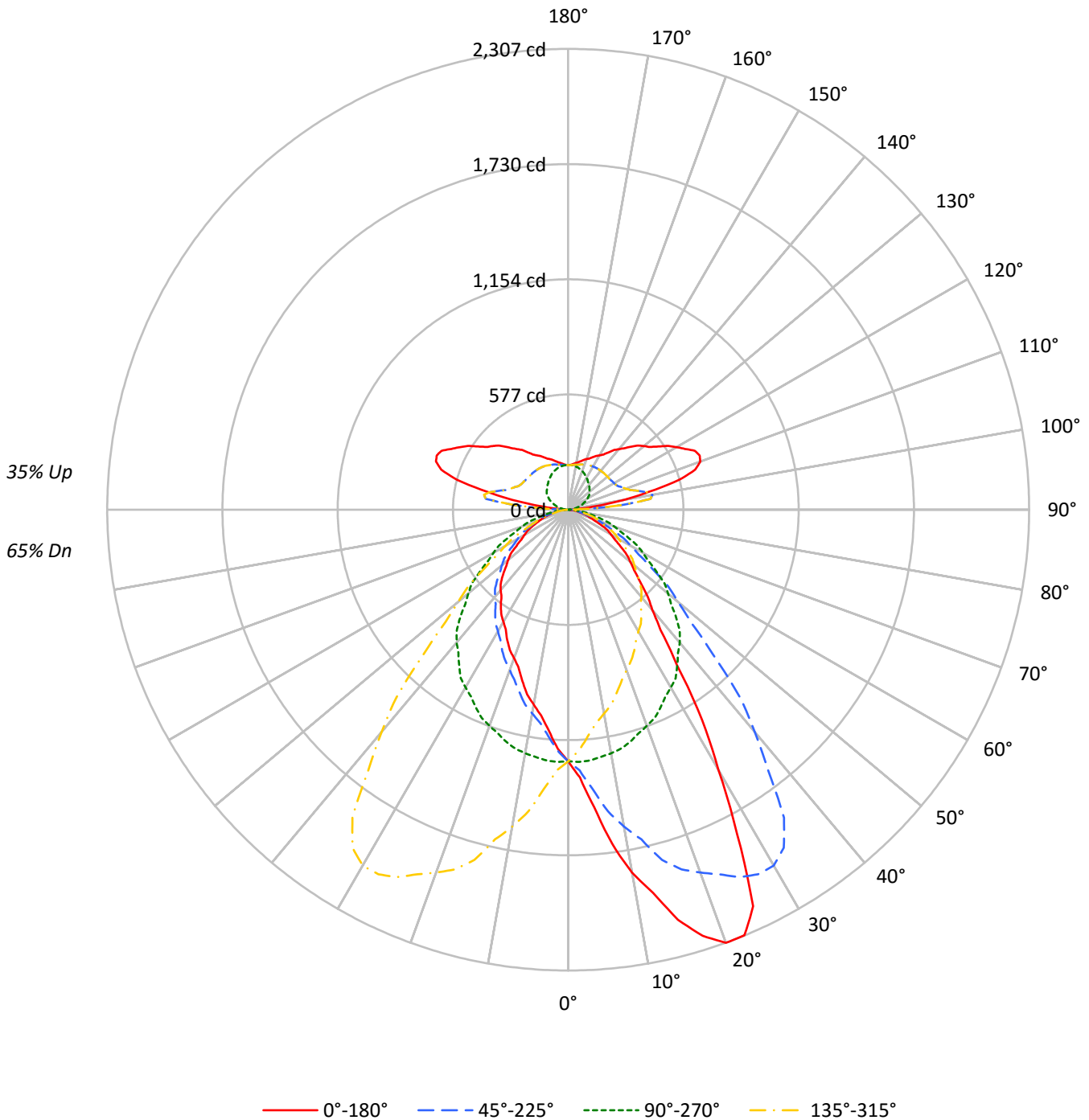
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65								
1	102	98	94	91	96	92	89	86	82	79	77	72	70	69	63	62	61	56								
2	93	86	80	75	88	82	76	72	72	68	65	64	61	59	56	54	52	48								
3	86	77	69	64	80	72	66	61	65	60	56	57	54	50	51	48	45	42								
4	79	68	61	55	74	65	58	52	58	52	48	52	47	44	46	42	40	37								
5	73	61	53	47	68	58	51	46	52	46	42	47	42	39	42	38	35	32								
6	67	55	47	42	63	53	45	40	47	42	37	43	38	34	38	34	31	29								
7	62	50	42	37	59	48	41	36	43	37	33	39	34	31	35	31	28	26								
8	58	46	38	33	55	44	37	32	40	34	30	36	31	27	32	28	25	23								
9	54	42	35	30	51	40	33	29	37	31	27	33	28	25	30	26	23	21								
10	51	39	32	27	48	37	30	26	34	28	24	31	26	23	28	24	21	19								

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	2.6
10°-20°	386.9	8.0
20°-30°	607.8	12.6
30°-40°	634.2	13.2
40°-50°	542.7	11.3
50°-60°	413.6	8.6
60°-70°	265.1	5.5
70°-80°	127.5	2.6
80°-90°	35.5	0.7
90°-100°	124.2	2.6
100°-110°	351.7	7.3
110°-120°	346.0	7.2
120°-130°	276.0	5.7
130°-140°	217.6	4.5
140°-150°	162.4	3.4
150°-160°	113.2	2.4
160°-170°	66.5	1.4
170°-180°	21.6	0.4
0°-30°	1118.6	23.2
0°-40°	1752.8	36.4
0°-60°	2709.1	56.2
0°-90°	3137.3	65.1
90°-120°	822.0	17.1
90°-150°	1478.0	30.7
90°-180°	1679.0	34.9
0°-180°	4816.6	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°	13	1	13	1	13	8
95°	52	15	52	15	52	94
105°	575	52	575	52	575	567
115°	699	93	699	93	699	679
125°	551	129	551	129	551	500
135°	447	151	447	151	447	347
145°	349	172	349	172	349	222
155°	290	196	290	196	290	135
165°	252	214	252	214	252	72
175°	227	223	227	223	227	22
180°	223	223	223	223	223	



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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°	7.0	7.9	7.0	7.3	7.4	7.6	7.5	7.4	8.2	7.8	8.0
90°	13.1	13.5	13.1	12.7	13.1	12.2	11.7	11.3	10.9	11.3	9.9
92.5°	21.8	22.6	22.1	23.5	24.3	26.7	30.2	38.0	52.4	69.5	76.4
95°	52.4	54.2	57.4	61.5	70.0	86.3	110.3	162.6	217.3	267.9	238.6
97.5°	142.7	146.6	158.8	179.1	212.5	266.5	324.8	405.5	444.3	415.3	304.0
100°	283.3	282.9	300.5	333.4	379.1	443.2	496.1	532.7	516.9	427.9	289.1
102.5°	415.6	426.0	440.7	466.8	502.3	543.0	573.9	575.0	520.5	404.4	267.5
105°	574.7	577.0	591.4	608.6	629.4	641.2	632.6	587.4	493.0	363.3	240.8
107.5°	666.4	670.5	675.4	681.2	680.8	664.7	625.2	551.8	444.7	326.9	223.9
110°	703.9	704.9	705.8	702.2	689.5	657.9	600.9	517.8	414.3	306.3	217.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	711.5	711.4	708.0	696.7	673.6	633.0	569.1	484.2	387.9	292.6	213.7
115°	699.0	696.7	687.7	667.8	633.9	584.7	518.2	439.7	356.1	277.9	212.4
117.5°	659.0	656.0	642.9	620.2	584.9	534.9	475.2	407.3	336.8	269.2	213.2
120°	625.8	623.1	612.3	586.9	551.3	505.6	451.4	390.4	326.7	265.2	214.6
122.5°	594.7	591.3	579.3	556.6	524.8	482.4	432.2	377.0	318.4	262.7	217.1
125°	551.3	548.1	536.8	516.9	488.0	451.9	408.4	359.2	307.7	259.4	220.9
127.5°	515.5	512.5	502.3	485.4	459.6	426.7	387.6	343.6	298.3	257.7	225.3
130°	495.2	491.6	482.1	465.9	441.9	411.1	374.5	333.9	293.3	256.7	228.1
132.5°	475.3	472.8	464.4	448.1	425.6	396.3	362.3	324.9	288.5	256.3	230.4
135°	446.9	443.7	435.5	422.0	399.9	374.1	344.8	312.7	282.4	255.7	233.6
137.5°	416.8	414.7	407.8	394.1	375.5	353.2	327.9	301.6	277.1	254.8	235.8
140°	395.8	396.2	389.0	376.4	359.2	339.8	318.1	295.1	273.8	254.4	237.2
142.5°	376.3	376.8	370.3	359.0	344.4	327.5	308.7	288.9	270.9	253.7	238.3
145°	349.3	348.4	344.8	335.3	324.0	310.9	296.4	281.5	267.0	252.5	239.0
147.5°	327.0	326.7	323.2	316.8	308.2	299.0	287.2	275.4	263.2	250.9	239.0
150°	314.0	314.0	311.3	306.3	299.6	291.0	281.5	271.1	260.7	249.4	239.0
152.5°	303.2	303.2	301.6	296.9	291.6	284.5	276.1	267.1	257.9	247.6	238.0
155°	289.6	289.1	288.3	284.6	280.6	275.2	268.4	261.2	253.5	244.5	236.8
157.5°	277.3	277.3	276.6	273.9	270.4	266.2	260.9	254.8	248.6	241.6	235.2
160°	269.3	269.7	269.7	267.0	263.9	260.7	256.2	251.2	245.3	239.5	234.5
162.5°	262.1	262.5	262.5	260.2	258.1	255.3	251.1	246.9	242.1	237.3	233.1
165°	252.5	252.5	253.0	251.2	249.4	247.2	244.0	241.3	237.7	234.1	230.9
167.5°	243.5	243.5	244.0	242.7	241.9	240.3	238.4	236.4	233.5	230.8	228.7
170°	238.1	238.1	238.6	237.7	237.2	236.3	234.5	233.1	230.9	228.6	227.3
172.5°	233.1	233.5	234.2	233.3	233.2	232.7	231.2	230.3	228.4	226.8	226.2
175°	227.3	227.8	228.1	227.8	227.8	227.8	226.8	226.4	225.5	224.6	224.6
177.5°	223.9	223.9	224.7	224.3	224.7	224.7	224.3	223.9	223.6	223.2	223.6
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



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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°	8.6	7.9	8.5	8.3	9.4	9.6	12.0	13.9	14.6	13.1	13.3
90°	8.6	7.2	5.9	5.0	4.0	2.7	1.8	0.9	1.8	2.7	4.0
92.5°	57.4	37.9	26.1	19.4	15.6	12.1	8.3	5.6	8.3	12.1	15.6
95°	164.5	97.1	58.7	41.1	29.4	21.7	16.7	15.4	16.7	21.7	29.4
97.5°	180.5	104.6	67.9	48.8	37.2	30.6	26.7	26.2	26.7	30.6	37.2
100°	170.3	103.5	71.9	54.2	43.4	37.1	33.9	33.4	33.9	37.1	43.4
102.5°	161.7	104.9	76.5	60.4	50.6	44.7	41.8	41.0	41.8	44.7	50.6
105°	155.4	108.9	84.5	70.5	61.9	56.5	53.8	52.4	53.8	56.5	61.9
107.5°	155.0	116.3	94.9	81.9	73.8	68.5	65.9	64.5	65.9	68.5	73.8
110°	156.8	122.5	102.1	89.4	81.8	76.8	74.5	73.2	74.5	76.8	81.8



TEST NUMBER: P332338-927

CATALOG NUMBER: S123RDIP-S1000D585U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	160.4	128.6	109.7	97.4	89.8	84.8	82.5	81.1	82.5	84.8	89.8
115°	166.3	138.7	121.5	109.3	101.6	97.1	94.4	92.6	94.4	97.1	101.6
117.5°	174.0	149.5	132.5	121.2	112.6	108.4	106.2	104.1	106.2	108.4	112.6
120°	179.8	156.3	140.1	128.8	120.2	115.7	113.4	112.1	113.4	115.7	120.2
122.5°	185.3	163.6	147.7	135.6	127.4	122.6	120.3	118.9	120.3	122.6	127.4
125°	193.8	174.0	158.1	145.9	137.4	132.4	129.7	128.8	129.7	132.4	137.4
127.5°	200.9	183.0	167.7	155.5	146.0	141.0	137.6	136.3	137.6	141.0	146.0
130°	205.6	188.4	173.5	161.3	151.8	146.4	142.4	141.0	142.4	146.4	151.8
132.5°	209.9	193.1	178.6	166.8	157.2	150.8	146.3	144.6	146.3	150.8	157.2
135°	215.6	200.2	186.2	174.0	164.5	157.7	152.7	150.9	152.7	157.7	164.5
137.5°	219.7	205.0	191.5	180.3	170.9	163.7	158.8	156.9	158.8	163.7	170.9
140°	221.9	208.3	195.2	183.9	174.8	167.6	163.1	160.9	163.1	167.6	174.8
142.5°	224.0	210.8	198.1	187.5	178.5	172.0	167.1	165.2	167.1	172.0	178.5
145°	226.4	214.2	202.4	192.0	184.3	177.6	173.5	172.1	173.5	177.6	184.3
147.5°	227.8	216.9	206.1	197.3	189.9	184.0	180.0	179.2	180.0	184.0	189.9
150°	228.1	218.7	208.3	200.2	193.8	188.0	184.3	183.9	184.3	188.0	193.8
152.5°	228.9	219.8	210.8	203.0	197.5	192.3	188.7	188.6	188.7	192.3	197.5
155°	229.1	221.9	214.2	207.9	202.9	198.4	195.7	195.7	195.7	198.4	202.9
157.5°	229.6	223.0	216.9	212.0	207.8	203.7	201.6	201.2	201.6	203.7	207.8
160°	229.6	224.1	218.7	214.2	211.0	207.4	205.6	205.6	205.6	207.4	211.0
162.5°	229.2	224.5	219.8	215.9	213.2	210.3	208.8	208.8	208.8	210.3	213.2
165°	228.1	225.0	221.4	218.2	216.4	214.2	213.3	213.7	213.3	214.2	216.4
167.5°	227.4	224.9	222.3	220.3	219.0	217.3	216.9	217.5	216.9	217.3	219.0
170°	226.4	224.6	222.3	221.4	220.5	219.1	218.7	219.6	218.7	219.1	220.5
172.5°	226.0	224.6	222.7	222.1	221.6	220.6	220.5	221.0	220.5	220.6	221.6
175°	225.0	224.1	223.2	222.8	222.8	221.9	222.3	222.8	222.3	221.9	222.8
177.5°	224.3	223.6	223.2	223.2	223.2	222.8	223.2	223.6	223.2	222.8	223.2
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



TEST NUMBER: P332338-927

CATALOG NUMBER: S123RDIP-S1000D585U927-4F0-1E-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°	13.1	14.6	15.2	15.9	16.6	16.5	16.8	17.0	17.4	17.5	17.7
90°	5.0	5.9	7.2	8.6	9.9	11.3	10.9	11.3	11.7	12.2	13.1
92.5°	19.4	26.1	37.9	57.4	76.4	69.5	52.4	38.0	30.2	26.7	24.3
95°	41.1	58.7	97.1	164.5	238.6	267.9	217.3	162.6	110.3	86.3	70.0
97.5°	48.8	67.9	104.6	180.5	304.0	415.3	444.3	405.5	324.8	266.5	212.5
100°	54.2	71.9	103.5	170.3	289.1	427.9	516.9	532.7	496.1	443.2	379.1
102.5°	60.4	76.5	104.9	161.7	267.5	404.4	520.5	575.0	573.9	543.0	502.3
105°	70.5	84.5	108.9	155.4	240.8	363.3	493.0	587.4	632.6	641.2	629.4
107.5°	81.9	94.9	116.3	155.0	223.9	326.9	444.7	551.8	625.2	664.7	680.8
110°	89.4	102.1	122.5	156.8	217.3	306.3	414.3	517.8	600.9	657.9	689.5



TEST NUMBER: P332338-927

CATALOG NUMBER: S123RDIP-S1000D585U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	97.4	109.7	128.6	160.4	213.7	292.6	387.9	484.2	569.1	633.0	673.6
115°	109.3	121.5	138.7	166.3	212.4	277.9	356.1	439.7	518.2	584.7	633.9
117.5°	121.2	132.5	149.5	174.0	213.2	269.2	336.8	407.3	475.2	534.9	584.9
120°	128.8	140.1	156.3	179.8	214.6	265.2	326.7	390.4	451.4	505.6	551.3
122.5°	135.6	147.7	163.6	185.3	217.1	262.7	318.4	377.0	432.2	482.4	524.8
125°	145.9	158.1	174.0	193.8	220.9	259.4	307.7	359.2	408.4	451.9	488.0
127.5°	155.5	167.7	183.0	200.9	225.3	257.7	298.3	343.6	387.6	426.7	459.6
130°	161.3	173.5	188.4	205.6	228.1	256.7	293.3	333.9	374.5	411.1	441.9
132.5°	166.8	178.6	193.1	209.9	230.4	256.3	288.5	324.9	362.3	396.3	425.6
135°	174.0	186.2	200.2	215.6	233.6	255.7	282.4	312.7	344.8	374.1	399.9
137.5°	180.3	191.5	205.0	219.7	235.8	254.8	277.1	301.6	327.9	353.2	375.5
140°	183.9	195.2	208.3	221.9	237.2	254.4	273.8	295.1	318.1	339.8	359.2
142.5°	187.5	198.1	210.8	224.0	238.3	253.7	270.9	288.9	308.7	327.5	344.4
145°	192.0	202.4	214.2	226.4	239.0	252.5	267.0	281.5	296.4	310.9	324.0
147.5°	197.3	206.1	216.9	227.8	239.0	250.9	263.2	275.4	287.2	299.0	308.2
150°	200.2	208.3	218.7	228.1	239.0	249.4	260.7	271.1	281.5	291.0	299.6
152.5°	203.0	210.8	219.8	228.9	238.0	247.6	257.9	267.1	276.1	284.5	291.6
155°	207.9	214.2	221.9	229.1	236.8	244.5	253.5	261.2	268.4	275.2	280.6
157.5°	212.0	216.9	223.0	229.6	235.2	241.6	248.6	254.8	260.9	266.2	270.4
160°	214.2	218.7	224.1	229.6	234.5	239.5	245.3	251.2	256.2	260.7	263.9
162.5°	215.9	219.8	224.5	229.2	233.1	237.3	242.1	246.9	251.1	255.3	258.1
165°	218.2	221.4	225.0	228.1	230.9	234.1	237.7	241.3	244.0	247.2	249.4
167.5°	220.3	222.3	224.9	227.4	228.7	230.8	233.5	236.4	238.4	240.3	241.9
170°	221.4	222.3	224.6	226.4	227.3	228.6	230.9	233.1	234.5	236.3	237.2
172.5°	222.1	222.7	224.6	226.0	226.2	226.8	228.4	230.3	231.2	232.7	233.2
175°	222.8	223.2	224.1	225.0	224.6	224.6	225.5	226.4	226.8	227.8	227.8
177.5°	223.2	223.2	223.6	224.3	223.6	223.2	223.6	223.9	224.3	224.7	224.7
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



TEST NUMBER: P332338-927

CATALOG NUMBER: S123RDIP-S1000D585U927-4F0-1E-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°	18.5	17.7	17.8	18.1	17.8	17.7	18.5	17.7	17.5	17.4	17.0
90°	12.7	13.1	13.5	13.1	13.5	13.1	12.7	13.1	12.2	11.7	11.3
92.5°	23.5	22.1	22.6	21.8	22.6	22.1	23.5	24.3	26.7	30.2	38.0
95°	61.5	57.4	54.2	52.4	54.2	57.4	61.5	70.0	86.3	110.3	162.6
97.5°	179.1	158.8	146.6	142.7	146.6	158.8	179.1	212.5	266.5	324.8	405.5
100°	333.4	300.5	282.9	283.3	282.9	300.5	333.4	379.1	443.2	496.1	532.7
102.5°	466.8	440.7	426.0	415.6	426.0	440.7	466.8	502.3	543.0	573.9	575.0
105°	608.6	591.4	577.0	574.7	577.0	591.4	608.6	629.4	641.2	632.6	587.4
107.5°	681.2	675.4	670.5	666.4	670.5	675.4	681.2	680.8	664.7	625.2	551.8
110°	702.2	705.8	704.9	703.9	704.9	705.8	702.2	689.5	657.9	600.9	517.8



TEST NUMBER: P332338-927

CATALOG NUMBER: S123RDIP-S1000D585U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	696.7	708.0	711.4	711.5	711.4	708.0	696.7	673.6	633.0	569.1	484.2
115°	667.8	687.7	696.7	699.0	696.7	687.7	667.8	633.9	584.7	518.2	439.7
117.5°	620.2	642.9	656.0	659.0	656.0	642.9	620.2	584.9	534.9	475.2	407.3
120°	586.9	612.3	623.1	625.8	623.1	612.3	586.9	551.3	505.6	451.4	390.4
122.5°	556.6	579.3	591.3	594.7	591.3	579.3	556.6	524.8	482.4	432.2	377.0
125°	516.9	536.8	548.1	551.3	548.1	536.8	516.9	488.0	451.9	408.4	359.2
127.5°	485.4	502.3	512.5	515.5	512.5	502.3	485.4	459.6	426.7	387.6	343.6
130°	465.9	482.1	491.6	495.2	491.6	482.1	465.9	441.9	411.1	374.5	333.9
132.5°	448.1	464.4	472.8	475.3	472.8	464.4	448.1	425.6	396.3	362.3	324.9
135°	422.0	435.5	443.7	446.9	443.7	435.5	422.0	399.9	374.1	344.8	312.7
137.5°	394.1	407.8	414.7	416.8	414.7	407.8	394.1	375.5	353.2	327.9	301.6
140°	376.4	389.0	396.2	395.8	396.2	389.0	376.4	359.2	339.8	318.1	295.1
142.5°	359.0	370.3	376.8	376.3	376.8	370.3	359.0	344.4	327.5	308.7	288.9
145°	335.3	344.8	348.4	349.3	348.4	344.8	335.3	324.0	310.9	296.4	281.5
147.5°	316.8	323.2	326.7	327.0	326.7	323.2	316.8	308.2	299.0	287.2	275.4
150°	306.3	311.3	314.0	314.0	314.0	311.3	306.3	299.6	291.0	281.5	271.1
152.5°	296.9	301.6	303.2	303.2	303.2	301.6	296.9	291.6	284.5	276.1	267.1
155°	284.6	288.3	289.1	289.6	289.1	288.3	284.6	280.6	275.2	268.4	261.2
157.5°	273.9	276.6	277.3	277.3	277.3	276.6	273.9	270.4	266.2	260.9	254.8
160°	267.0	269.7	269.7	269.3	269.7	269.7	267.0	263.9	260.7	256.2	251.2
162.5°	260.2	262.5	262.5	262.1	262.5	262.5	260.2	258.1	255.3	251.1	246.9
165°	251.2	253.0	252.5	252.5	252.5	253.0	251.2	249.4	247.2	244.0	241.3
167.5°	242.7	244.0	243.5	243.5	243.5	244.0	242.7	241.9	240.3	238.4	236.4
170°	237.7	238.6	238.1	238.1	238.1	238.6	237.7	237.2	236.3	234.5	233.1
172.5°	233.3	234.2	233.5	233.1	233.5	234.2	233.3	233.2	232.7	231.2	230.3
175°	227.8	228.1	227.8	227.3	227.8	228.1	227.8	227.8	227.8	226.8	226.4
177.5°	224.3	224.7	223.9	223.9	223.9	224.7	224.3	224.7	224.7	224.3	223.9
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



TEST NUMBER: P332338-927

CATALOG NUMBER: S123RDIP-S1000D585U927-4F0-1E-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°	16.8	16.5	16.6	15.9	15.2	14.6	13.1	13.3	13.1	14.6	13.9
90°	10.9	11.3	9.9	8.6	7.2	5.9	5.0	4.0	2.7	1.8	0.9
92.5°	52.4	69.5	76.4	57.4	37.9	26.1	19.4	15.6	12.1	8.3	5.6
95°	217.3	267.9	238.6	164.5	97.1	58.7	41.1	29.4	21.7	16.7	15.4
97.5°	444.3	415.3	304.0	180.5	104.6	67.9	48.8	37.2	30.6	26.7	26.2
100°	516.9	427.9	289.1	170.3	103.5	71.9	54.2	43.4	37.1	33.9	33.4
102.5°	520.5	404.4	267.5	161.7	104.9	76.5	60.4	50.6	44.7	41.8	41.0
105°	493.0	363.3	240.8	155.4	108.9	84.5	70.5	61.9	56.5	53.8	52.4
107.5°	444.7	326.9	223.9	155.0	116.3	94.9	81.9	73.8	68.5	65.9	64.5
110°	414.3	306.3	217.3	156.8	122.5	102.1	89.4	81.8	76.8	74.5	73.2



TEST NUMBER: P332338-927

CATALOG NUMBER: S123RDIP-S1000D585U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	387.9	292.6	213.7	160.4	128.6	109.7	97.4	89.8	84.8	82.5	81.1
115°	356.1	277.9	212.4	166.3	138.7	121.5	109.3	101.6	97.1	94.4	92.6
117.5°	336.8	269.2	213.2	174.0	149.5	132.5	121.2	112.6	108.4	106.2	104.1
120°	326.7	265.2	214.6	179.8	156.3	140.1	128.8	120.2	115.7	113.4	112.1
122.5°	318.4	262.7	217.1	185.3	163.6	147.7	135.6	127.4	122.6	120.3	118.9
125°	307.7	259.4	220.9	193.8	174.0	158.1	145.9	137.4	132.4	129.7	128.8
127.5°	298.3	257.7	225.3	200.9	183.0	167.7	155.5	146.0	141.0	137.6	136.3
130°	293.3	256.7	228.1	205.6	188.4	173.5	161.3	151.8	146.4	142.4	141.0
132.5°	288.5	256.3	230.4	209.9	193.1	178.6	166.8	157.2	150.8	146.3	144.6
135°	282.4	255.7	233.6	215.6	200.2	186.2	174.0	164.5	157.7	152.7	150.9
137.5°	277.1	254.8	235.8	219.7	205.0	191.5	180.3	170.9	163.7	158.8	156.9
140°	273.8	254.4	237.2	221.9	208.3	195.2	183.9	174.8	167.6	163.1	160.9
142.5°	270.9	253.7	238.3	224.0	210.8	198.1	187.5	178.5	172.0	167.1	165.2
145°	267.0	252.5	239.0	226.4	214.2	202.4	192.0	184.3	177.6	173.5	172.1
147.5°	263.2	250.9	239.0	227.8	216.9	206.1	197.3	189.9	184.0	180.0	179.2
150°	260.7	249.4	239.0	228.1	218.7	208.3	200.2	193.8	188.0	184.3	183.9
152.5°	257.9	247.6	238.0	228.9	219.8	210.8	203.0	197.5	192.3	188.7	188.6
155°	253.5	244.5	236.8	229.1	221.9	214.2	207.9	202.9	198.4	195.7	195.7
157.5°	248.6	241.6	235.2	229.6	223.0	216.9	212.0	207.8	203.7	201.6	201.2
160°	245.3	239.5	234.5	229.6	224.1	218.7	214.2	211.0	207.4	205.6	205.6
162.5°	242.1	237.3	233.1	229.2	224.5	219.8	215.9	213.2	210.3	208.8	208.8
165°	237.7	234.1	230.9	228.1	225.0	221.4	218.2	216.4	214.2	213.3	213.7
167.5°	233.5	230.8	228.7	227.4	224.9	222.3	220.3	219.0	217.3	216.9	217.5
170°	230.9	228.6	227.3	226.4	224.6	222.3	221.4	220.5	219.1	218.7	219.6
172.5°	228.4	226.8	226.2	226.0	224.6	222.7	222.1	221.6	220.6	220.5	221.0
175°	225.5	224.6	224.6	225.0	224.1	223.2	222.8	222.8	221.9	222.3	222.8
177.5°	223.6	223.2	223.6	224.3	223.6	223.2	223.2	223.2	222.8	223.2	223.6
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



TEST NUMBER: P332338-927

CATALOG NUMBER: S123RDIP-S1000D585U927-4F0-1E-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°	12.0	9.6	9.4	8.3	8.5	7.9	8.6	8.0	7.8	8.2	7.4
90°	1.8	2.7	4.0	5.0	5.9	7.2	8.6	9.9	11.3	10.9	11.3
92.5°	8.3	12.1	15.6	19.4	26.1	37.9	57.4	76.4	69.5	52.4	38.0
95°	16.7	21.7	29.4	41.1	58.7	97.1	164.5	238.6	267.9	217.3	162.6
97.5°	26.7	30.6	37.2	48.8	67.9	104.6	180.5	304.0	415.3	444.3	405.5
100°	33.9	37.1	43.4	54.2	71.9	103.5	170.3	289.1	427.9	516.9	532.7
102.5°	41.8	44.7	50.6	60.4	76.5	104.9	161.7	267.5	404.4	520.5	575.0
105°	53.8	56.5	61.9	70.5	84.5	108.9	155.4	240.8	363.3	493.0	587.4
107.5°	65.9	68.5	73.8	81.9	94.9	116.3	155.0	223.9	326.9	444.7	551.8
110°	74.5	76.8	81.8	89.4	102.1	122.5	156.8	217.3	306.3	414.3	517.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	82.5	84.8	89.8	97.4	109.7	128.6	160.4	213.7	292.6	387.9	484.2
115°	94.4	97.1	101.6	109.3	121.5	138.7	166.3	212.4	277.9	356.1	439.7
117.5°	106.2	108.4	112.6	121.2	132.5	149.5	174.0	213.2	269.2	336.8	407.3
120°	113.4	115.7	120.2	128.8	140.1	156.3	179.8	214.6	265.2	326.7	390.4
122.5°	120.3	122.6	127.4	135.6	147.7	163.6	185.3	217.1	262.7	318.4	377.0
125°	129.7	132.4	137.4	145.9	158.1	174.0	193.8	220.9	259.4	307.7	359.2
127.5°	137.6	141.0	146.0	155.5	167.7	183.0	200.9	225.3	257.7	298.3	343.6
130°	142.4	146.4	151.8	161.3	173.5	188.4	205.6	228.1	256.7	293.3	333.9
132.5°	146.3	150.8	157.2	166.8	178.6	193.1	209.9	230.4	256.3	288.5	324.9
135°	152.7	157.7	164.5	174.0	186.2	200.2	215.6	233.6	255.7	282.4	312.7
137.5°	158.8	163.7	170.9	180.3	191.5	205.0	219.7	235.8	254.8	277.1	301.6
140°	163.1	167.6	174.8	183.9	195.2	208.3	221.9	237.2	254.4	273.8	295.1
142.5°	167.1	172.0	178.5	187.5	198.1	210.8	224.0	238.3	253.7	270.9	288.9
145°	173.5	177.6	184.3	192.0	202.4	214.2	226.4	239.0	252.5	267.0	281.5
147.5°	180.0	184.0	189.9	197.3	206.1	216.9	227.8	239.0	250.9	263.2	275.4
150°	184.3	188.0	193.8	200.2	208.3	218.7	228.1	239.0	249.4	260.7	271.1
152.5°	188.7	192.3	197.5	203.0	210.8	219.8	228.9	238.0	247.6	257.9	267.1
155°	195.7	198.4	202.9	207.9	214.2	221.9	229.1	236.8	244.5	253.5	261.2
157.5°	201.6	203.7	207.8	212.0	216.9	223.0	229.6	235.2	241.6	248.6	254.8
160°	205.6	207.4	211.0	214.2	218.7	224.1	229.6	234.5	239.5	245.3	251.2
162.5°	208.8	210.3	213.2	215.9	219.8	224.5	229.2	233.1	237.3	242.1	246.9
165°	213.3	214.2	216.4	218.2	221.4	225.0	228.1	230.9	234.1	237.7	241.3
167.5°	216.9	217.3	219.0	220.3	222.3	224.9	227.4	228.7	230.8	233.5	236.4
170°	218.7	219.1	220.5	221.4	222.3	224.6	226.4	227.3	228.6	230.9	233.1
172.5°	220.5	220.6	221.6	222.1	222.7	224.6	226.0	226.2	226.8	228.4	230.3
175°	222.3	221.9	222.8	222.8	223.2	224.1	225.0	224.6	224.6	225.5	226.4
177.5°	223.2	222.8	223.2	223.2	223.2	223.6	224.3	223.6	223.2	223.6	223.9
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2	223.2



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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°	7.5	7.6	7.4	7.3	7.0	7.9	7.0
90°	11.7	12.2	13.1	12.7	13.1	13.5	13.1
92.5°	30.2	26.7	24.3	23.5	22.1	22.6	21.8
95°	110.3	86.3	70.0	61.5	57.4	54.2	52.4
97.5°	324.8	266.5	212.5	179.1	158.8	146.6	142.7
100°	496.1	443.2	379.1	333.4	300.5	282.9	283.3
102.5°	573.9	543.0	502.3	466.8	440.7	426.0	415.6
105°	632.6	641.2	629.4	608.6	591.4	577.0	574.7
107.5°	625.2	664.7	680.8	681.2	675.4	670.5	666.4
110°	600.9	657.9	689.5	702.2	705.8	704.9	703.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	569.1	633.0	673.6	696.7	708.0	711.4	711.5
115°	518.2	584.7	633.9	667.8	687.7	696.7	699.0
117.5°	475.2	534.9	584.9	620.2	642.9	656.0	659.0
120°	451.4	505.6	551.3	586.9	612.3	623.1	625.8
122.5°	432.2	482.4	524.8	556.6	579.3	591.3	594.7
125°	408.4	451.9	488.0	516.9	536.8	548.1	551.3
127.5°	387.6	426.7	459.6	485.4	502.3	512.5	515.5
130°	374.5	411.1	441.9	465.9	482.1	491.6	495.2
132.5°	362.3	396.3	425.6	448.1	464.4	472.8	475.3
135°	344.8	374.1	399.9	422.0	435.5	443.7	446.9
137.5°	327.9	353.2	375.5	394.1	407.8	414.7	416.8
140°	318.1	339.8	359.2	376.4	389.0	396.2	395.8
142.5°	308.7	327.5	344.4	359.0	370.3	376.8	376.3
145°	296.4	310.9	324.0	335.3	344.8	348.4	349.3
147.5°	287.2	299.0	308.2	316.8	323.2	326.7	327.0
150°	281.5	291.0	299.6	306.3	311.3	314.0	314.0
152.5°	276.1	284.5	291.6	296.9	301.6	303.2	303.2
155°	268.4	275.2	280.6	284.6	288.3	289.1	289.6
157.5°	260.9	266.2	270.4	273.9	276.6	277.3	277.3
160°	256.2	260.7	263.9	267.0	269.7	269.7	269.3
162.5°	251.1	255.3	258.1	260.2	262.5	262.5	262.1
165°	244.0	247.2	249.4	251.2	253.0	252.5	252.5
167.5°	238.4	240.3	241.9	242.7	244.0	243.5	243.5
170°	234.5	236.3	237.2	237.7	238.6	238.1	238.1
172.5°	231.2	232.7	233.2	233.3	234.2	233.5	233.1
175°	226.8	227.8	227.8	227.8	228.1	227.8	227.3
177.5°	224.3	224.7	224.7	224.3	224.7	223.9	223.9
180°	223.2	223.2	223.2	223.2	223.2	223.2	223.2

(END OF REPORT)