

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: P331742-927

Luminaire Tested: **S122RDIP-S1005D530U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331742-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIP-S1005D530U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 530 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4518.3 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

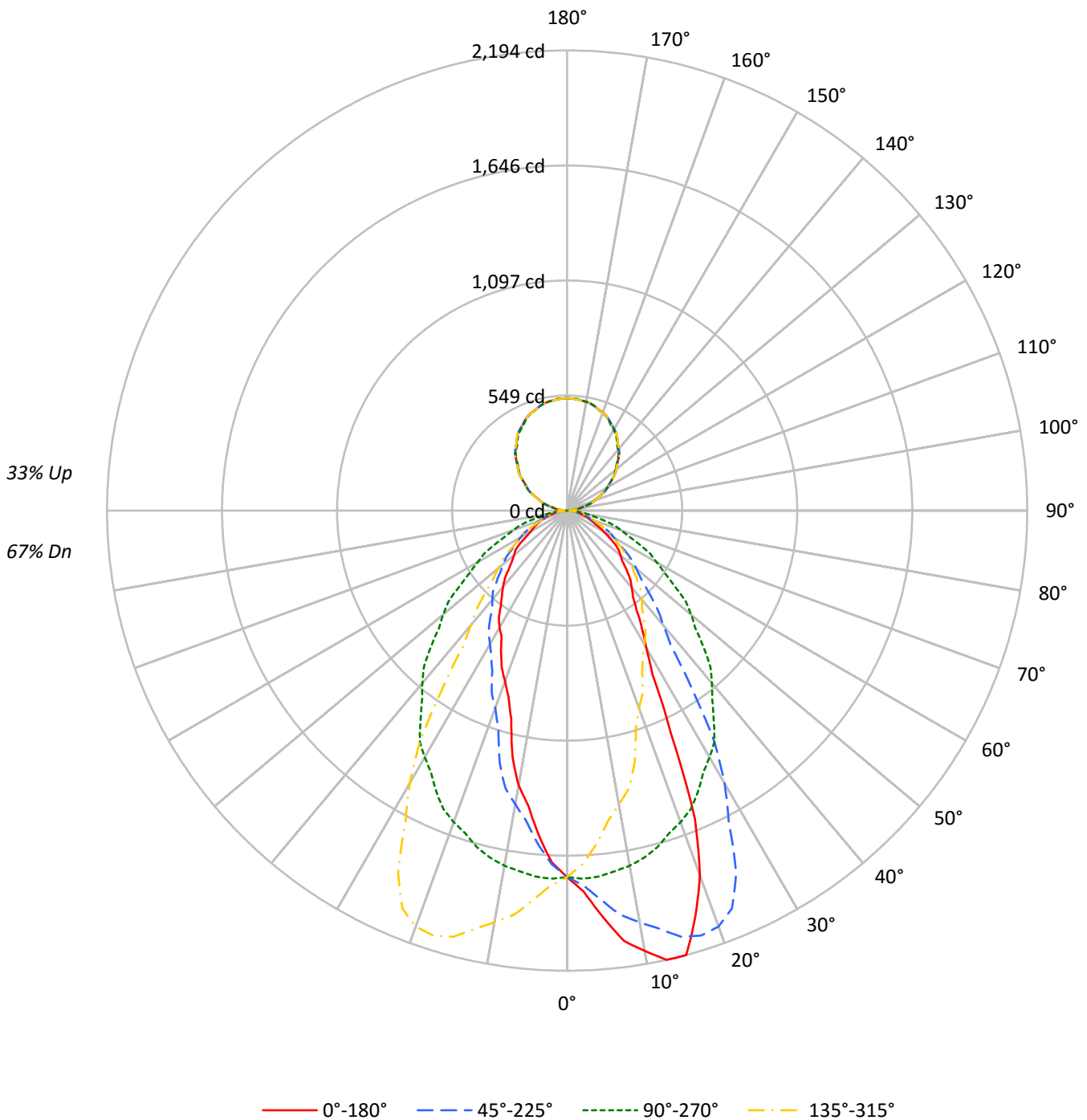
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	103	99	95	92	97	93	90	87	83	81	78	74	72	70	65	64	63	58
2	94	87	82	77	89	83	78	73	74	70	67	66	63	60	58	56	54	51
3	87	78	71	65	82	74	68	63	66	61	57	59	56	52	53	50	48	44
4	80	70	62	57	75	66	60	54	60	54	50	54	49	46	48	45	42	39
5	74	63	55	49	70	60	53	48	54	49	44	49	44	41	44	40	38	35
6	69	57	49	44	65	54	47	42	49	44	39	45	40	37	40	37	34	31
7	64	52	44	39	60	50	43	38	45	40	35	41	36	33	37	33	31	28
8	60	48	40	35	56	46	39	34	42	36	32	38	33	30	35	31	28	26
9	56	44	37	32	53	42	36	31	39	33	29	35	31	27	32	28	26	24
10	53	41	34	29	50	39	33	28	36	30	27	33	28	25	30	26	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28208	28208	28208	28208
5°	31504	28386	25167	28386
10°	34954	28186	21815	28186
15°	36672	27773	17188	27773
20°	31792	27161	14874	27161
25°	20851	26323	13279	26323
30°	14033	25307	12020	25307
35°	11367	24025	10841	24025
40°	10108	22634	10030	22634
45°	9149	21000	8953	21000
50°	8324	19381	8297	19381
55°	7828	17582	7724	17582
60°	6546	15936	6468	15936
65°	5521	14472	6262	14472
70°	5103	12925	5906	12925
75°	4772	11248	5452	11248
80°	4407	9261	4854	9261
85°	4057	7317	4279	7317



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	3.7
10°-20°	461.5	10.2
20°-30°	594.7	13.2
30°-40°	565.1	12.5
40°-50°	484.1	10.7
50°-60°	368.7	8.2
60°-70°	233.1	5.2
70°-80°	116.4	2.6
80°-90°	32.4	0.7
90°-100°	33.9	0.8
100°-110°	105.4	2.3
110°-120°	180.1	4.0
120°-130°	236.8	5.2
130°-140°	265.8	5.9
140°-150°	260.6	5.8
150°-160°	218.6	4.8
160°-170°	145.0	3.2
170°-180°	50.7	1.1
0°-30°	1221.8	27.0
0°-40°	1786.9	39.5
0°-60°	2639.7	58.4
0°-90°	3021.5	66.9
90°-120°	319.4	7.1
90°-150°	1082.6	24.0
90°-180°	1497.0	33.1
0°-180°	4518.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1747	1747	1747	1747	1747	
5°	1944	1751	1553	1751	1944	192
15°	2194	1662	1028	1662	2194	592
25°	1170	1478	745	1478	1170	555
35°	577	1219	550	1219	577	369
45°	401	920	392	920	401	310
55°	278	625	274	625	278	244
65°	144	379	164	379	144	147
75°	76	180	87	180	76	81
85°	22	40	23	40	22	24
90°	15	0	15	0	15	8
95°	28	24	28	24	28	31
105°	100	97	100	97	100	105
115°	181	181	181	181	181	178
125°	264	263	264	263	264	235
135°	344	340	344	340	344	265
145°	417	413	417	413	417	261
155°	476	472	476	472	476	219
165°	514	514	514	514	514	145
175°	533	534	533	534	533	51
180°	535	535	535	535	535	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1818.0	1819.5	1820.9	1817.5	1817.5	1814.6	1808.3	1803.4	1789.9	1787.9	1787.9
5°	1943.8	1942.6	1945.0	1937.1	1926.2	1923.7	1912.2	1897.0	1881.3	1863.7	1860.0
7.5°	2068.9	2067.0	2062.1	2060.9	2052.5	2034.1	2015.5	1995.7	1969.5	1943.9	1931.0
10°	2132.0	2152.0	2139.8	2118.6	2122.9	2094.4	2079.2	2053.1	2031.2	1993.0	1984.5
12.5°	2194.1	2202.0	2198.1	2186.1	2180.6	2160.8	2140.3	2117.7	2077.3	2043.0	2013.1
15°	2193.9	2205.4	2208.4	2204.8	2207.9	2206.6	2195.7	2176.9	2141.7	2104.0	2071.2
17.5°	2031.9	2039.9	2059.8	2073.3	2090.3	2126.3	2144.0	2150.9	2145.7	2124.2	2101.1
20°	1850.3	1836.9	1892.8	1921.4	1945.6	2006.3	2058.5	2078.5	2110.7	2110.1	2104.0
22.5°	1592.9	1596.1	1649.0	1682.9	1753.8	1814.5	1874.0	1949.4	2011.7	2052.8	2076.9
25°	1170.4	1193.5	1246.3	1292.4	1371.3	1484.2	1586.8	1705.8	1818.1	1906.8	1991.2
27.5°	879.0	880.7	922.6	965.2	1012.1	1104.6	1233.7	1375.9	1536.0	1668.1	1820.0
30°	752.7	749.1	766.7	792.8	832.9	904.5	1001.6	1141.3	1300.9	1500.0	1677.3
32.5°	663.4	663.6	676.8	696.2	729.4	777.8	844.3	957.7	1108.6	1304.3	1512.2
35°	576.7	576.1	585.8	599.8	613.7	644.7	690.2	749.7	853.5	1036.3	1248.7
37.5°	514.5	517.2	522.0	530.7	546.1	563.3	590.7	630.6	704.6	812.6	991.2
40°	479.6	480.8	487.4	494.7	503.8	517.2	539.6	571.9	625.9	712.1	842.6
42.5°	447.5	448.8	453.4	460.3	467.5	480.8	499.4	527.2	571.0	638.3	745.9
45°	400.7	400.7	404.9	408.0	415.8	427.9	443.1	466.2	496.5	546.4	618.0
47.5°	356.7	356.8	359.7	364.9	369.8	379.3	394.2	413.0	435.1	473.6	534.8
50°	331.4	332.1	333.9	338.1	341.2	349.7	361.2	377.6	400.7	430.4	481.4
52.5°	311.1	310.7	313.0	314.8	316.9	323.0	331.6	346.0	366.6	392.5	434.7
55°	278.1	275.6	279.2	282.3	284.1	286.5	291.4	300.5	318.1	339.9	371.5
57.5°	236.8	235.8	238.4	241.1	246.8	253.4	257.5	263.3	272.4	288.1	319.4
60°	202.7	202.7	208.2	210.0	216.7	225.2	233.7	238.6	247.7	258.0	281.1
62.5°	172.6	173.2	175.7	177.5	181.3	191.7	203.6	214.3	222.9	232.7	248.0
65°	144.5	145.7	145.7	146.9	149.3	151.8	156.6	165.1	180.3	194.2	205.8
67.5°	122.6	123.0	123.3	124.5	125.2	127.9	129.8	133.6	137.0	150.3	164.6
70°	108.1	109.9	109.2	110.5	111.1	112.3	114.7	116.5	122.0	125.1	133.6
72.5°	94.4	95.8	95.7	96.4	98.0	98.2	100.1	102.0	105.5	108.1	112.6
75°	76.5	75.9	76.5	77.7	78.3	78.9	78.9	81.4	83.2	85.6	88.6
77.5°	59.0	59.7	59.5	59.7	59.7	60.8	60.7	61.8	63.6	64.8	66.3
80°	47.4	47.9	47.4	47.9	48.6	49.2	48.6	49.2	51.0	52.2	52.2
82.5°	36.7	36.8	37.2	37.3	37.4	37.5	38.3	38.5	39.8	39.6	40.1
85°	21.9	21.2	21.2	21.2	21.9	22.5	21.9	21.9	22.5	22.5	22.5
87.5°	10.9	11.3	11.2	11.2	11.2	11.2	11.3	11.8	11.4	11.9	11.0
90°	15.4	15.3	15.1	15.1	15.0	15.0	15.2	15.4	15.6	15.8	13.6
92.5°	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.4	14.4	14.3	13.9
95°	28.0	28.2	28.4	28.6	28.8	28.9	28.9	28.9	28.9	28.9	28.7
97.5°	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.2
100°	61.9	62.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.0
102.5°	77.1	77.2	77.2	77.4	77.5	77.5	77.4	77.3	77.2	77.2	76.8
105°	100.3	100.3	100.3	100.3	100.3	100.2	100.0	99.8	99.6	99.4	99.2
107.5°	122.2	122.6	123.1	123.5	124.0	124.2	124.1	124.1	124.0	123.9	123.9
110°	139.1	139.4	139.7	140.1	140.4	140.5	140.5	140.5	140.5	140.5	140.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	155.4	155.6	155.8	156.1	156.3	156.5	156.8	157.0	157.2	157.5	157.6
115°	180.7	181.0	181.3	181.6	181.9	182.1	182.2	182.3	182.4	182.5	182.7
117.5°	204.8	205.1	205.4	205.7	206.0	206.3	206.5	206.8	207.0	207.2	207.8
120°	221.8	222.1	222.4	222.7	223.0	223.2	223.2	223.2	223.2	223.2	223.9
122.5°	238.4	238.7	238.8	239.1	239.3	239.6	239.8	240.0	240.3	240.5	241.1
125°	263.8	263.9	264.0	264.1	264.2	264.4	264.7	265.0	265.3	265.6	265.9
127.5°	286.9	287.2	287.6	287.9	288.2	288.6	288.9	289.3	289.6	290.0	290.4
130°	303.6	304.0	304.4	304.8	305.1	305.5	305.7	305.9	306.1	306.3	306.5
132.5°	319.5	319.8	320.1	320.4	320.8	321.2	321.5	322.0	322.5	322.9	322.9
135°	344.2	344.5	344.8	345.2	345.4	345.6	345.7	345.9	345.9	346.0	345.9
137.5°	366.6	367.0	367.4	367.8	368.2	368.4	368.5	368.6	368.7	368.8	368.5
140°	382.1	382.5	382.9	383.3	383.8	384.0	384.0	384.0	384.0	384.0	383.5
142.5°	396.2	396.6	397.0	397.4	397.8	398.0	397.9	397.8	397.8	397.7	397.4
145°	417.4	417.8	418.2	418.6	419.0	419.1	419.1	419.0	418.8	418.7	418.2
147.5°	436.3	436.7	437.0	437.4	437.8	437.9	437.7	437.4	437.2	437.0	436.6
150°	448.6	448.9	449.2	449.5	449.8	449.8	449.5	449.2	448.9	448.6	448.1
152.5°	460.2	460.5	460.9	461.3	461.7	461.7	461.3	460.9	460.5	460.2	459.6
155°	475.7	475.9	476.3	476.6	476.9	476.8	476.3	475.8	475.3	474.8	474.4
157.5°	489.0	489.6	490.0	490.5	491.0	490.9	490.2	489.5	488.9	488.1	488.0
160°	497.3	497.7	498.2	498.6	499.0	498.8	498.3	497.6	497.1	496.5	496.4
162.5°	504.6	505.1	505.6	506.0	506.5	506.4	505.7	505.0	504.4	503.7	503.6
165°	514.0	514.6	515.1	515.6	516.1	515.9	515.3	514.6	513.9	513.2	513.2
167.5°	521.8	522.4	522.9	523.4	523.9	523.9	523.2	522.4	521.7	521.0	521.0
170°	525.9	526.4	527.0	527.6	528.2	528.1	527.5	526.8	526.1	525.4	525.5
172.5°	529.1	529.7	530.3	530.9	531.5	531.4	530.8	530.0	529.3	528.6	528.7
175°	532.6	533.2	533.8	534.4	535.0	535.0	534.2	533.5	532.8	532.1	532.3
177.5°	534.2	534.7	535.2	535.7	536.1	536.1	535.7	535.2	534.7	534.2	534.4
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1788.9	1784.9	1781.6	1772.8	1768.5	1758.7	1757.3	1756.8	1744.2	1732.0	1728.6
5°	1850.3	1840.6	1826.1	1809.0	1791.4	1773.2	1761.1	1751.4	1727.0	1704.0	1690.7
7.5°	1912.2	1891.3	1866.2	1834.1	1807.2	1777.1	1754.8	1734.7	1700.3	1667.2	1645.0
10°	1958.4	1924.4	1890.9	1846.7	1812.0	1778.1	1746.5	1719.2	1680.3	1636.6	1605.7
12.5°	1987.0	1949.6	1903.6	1860.3	1815.4	1772.3	1730.0	1694.9	1649.2	1604.1	1567.3
15°	2025.8	1985.7	1929.8	1867.9	1810.2	1753.8	1705.3	1661.5	1602.0	1548.0	1503.1
17.5°	2057.5	2002.3	1942.4	1870.7	1804.0	1732.2	1669.7	1613.8	1547.6	1482.4	1429.5
20°	2067.6	2013.0	1943.8	1872.2	1793.3	1708.9	1641.5	1580.8	1509.7	1438.7	1378.0
22.5°	2061.3	2018.8	1941.9	1856.2	1775.3	1687.0	1610.9	1540.5	1461.7	1389.2	1318.7
25°	2018.5	2003.9	1931.0	1837.5	1745.3	1642.7	1554.7	1477.6	1387.7	1310.0	1233.5
27.5°	1918.5	1950.0	1904.8	1805.2	1702.6	1592.7	1493.7	1406.0	1312.7	1225.3	1149.1
30°	1822.4	1894.6	1875.2	1782.9	1668.2	1560.1	1449.1	1357.4	1257.8	1168.0	1092.7
32.5°	1690.8	1810.1	1829.1	1751.8	1633.2	1514.5	1398.0	1306.9	1202.9	1108.3	1034.9
35°	1481.2	1659.7	1741.6	1692.5	1573.5	1445.4	1325.2	1218.9	1114.5	1021.0	948.2
37.5°	1231.2	1474.3	1610.9	1614.4	1505.1	1372.0	1241.0	1135.6	1028.7	936.9	858.2
40°	1069.1	1332.5	1510.4	1549.8	1457.5	1313.7	1181.3	1073.9	969.5	879.6	789.2
42.5°	923.4	1185.8	1404.5	1473.1	1399.8	1256.9	1124.0	1011.7	910.2	825.2	732.8
45°	746.7	976.1	1217.1	1339.7	1299.1	1166.7	1026.5	919.7	824.3	750.9	662.3
47.5°	629.9	791.6	1024.8	1190.6	1189.9	1069.1	931.2	828.9	740.5	671.6	599.9
50°	563.3	704.2	901.5	1089.6	1105.4	1004.1	872.9	771.6	689.0	616.8	559.1
52.5°	503.6	619.6	797.1	977.5	1022.4	934.6	807.4	713.8	633.7	567.2	517.8
55°	425.6	515.4	650.1	818.9	886.9	825.0	712.1	624.6	559.7	503.8	461.4
57.5°	360.0	427.4	535.5	671.4	750.6	711.6	618.5	547.5	491.9	441.3	407.8
60°	318.7	373.9	465.6	579.2	666.5	639.2	559.7	493.5	446.2	402.5	370.9
62.5°	279.9	327.3	405.9	498.0	578.1	566.9	501.9	446.4	404.9	365.1	338.3
65°	225.2	259.8	321.2	393.4	457.7	463.2	416.5	378.8	341.7	310.2	286.5
67.5°	179.4	201.9	245.1	305.9	354.2	371.4	342.9	314.1	284.7	260.3	239.8
70°	151.1	169.4	200.9	250.1	294.5	312.6	296.3	273.8	248.3	228.2	210.6
72.5°	122.5	140.2	163.5	199.6	237.6	257.3	251.6	235.4	214.8	198.1	181.5
75°	92.3	97.8	113.5	137.8	167.5	184.6	188.8	180.3	163.9	151.1	141.4
77.5°	68.2	71.5	79.1	91.8	111.2	126.4	132.6	131.6	120.3	112.9	103.8
80°	54.7	56.5	60.1	65.6	80.2	95.3	99.6	99.6	91.7	88.6	79.5
82.5°	41.5	42.9	45.1	48.1	54.9	68.1	72.9	73.8	68.8	64.8	57.7
85°	23.7	23.1	24.3	26.1	27.3	31.0	38.3	39.5	38.3	33.4	31.5
87.5°	10.5	10.6	10.1	9.3	9.6	9.8	12.0	14.2	12.4	11.2	10.5
90°	11.4	9.2	7.0	5.3	4.0	2.9	1.7	0.5	1.7	2.9	4.0
92.5°	13.3	12.8	12.3	11.6	10.7	9.8	9.0	8.1	9.0	9.8	10.7
95°	28.5	28.3	28.1	27.5	26.5	25.5	24.5	23.5	24.5	25.5	26.5
97.5°	47.8	47.5	47.1	46.4	45.6	44.7	43.8	42.9	43.8	44.7	45.6
100°	61.7	61.5	61.2	60.6	59.8	58.9	58.1	57.4	58.1	58.9	59.8
102.5°	76.4	76.0	75.7	75.1	74.5	73.8	73.2	72.6	73.2	73.8	74.5
105°	98.9	98.8	98.5	98.3	98.0	97.8	97.4	97.1	97.4	97.8	98.0
107.5°	123.9	123.9	123.9	123.7	123.2	122.8	122.3	121.9	122.3	122.8	123.2
110°	140.5	140.5	140.5	140.2	139.6	138.9	138.4	137.8	138.4	138.9	139.6



TEST NUMBER: P331742-927

CATALOG NUMBER: S122RDIP-S1005D530U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	157.6	157.7	157.8	157.6	156.9	156.3	155.7	155.1	155.7	156.3	156.9
115°	182.9	183.1	183.3	183.1	182.5	181.9	181.3	180.7	181.3	181.9	182.5
117.5°	208.3	209.0	209.5	209.4	208.6	207.8	207.0	206.2	207.0	207.8	208.6
120°	224.7	225.5	226.4	226.4	225.5	224.7	223.9	223.2	223.9	224.7	225.5
122.5°	241.6	242.2	242.7	242.6	241.6	240.7	239.6	238.7	239.6	240.7	241.6
125°	266.3	266.5	266.8	266.5	265.6	264.7	263.8	262.9	263.8	264.7	265.6
127.5°	290.7	291.1	291.4	291.0	289.9	288.8	287.6	286.5	287.6	288.8	289.9
130°	306.7	306.9	307.0	306.5	305.2	303.9	302.6	301.3	302.6	303.9	305.2
132.5°	322.8	322.8	322.7	322.2	321.2	320.0	319.0	317.9	319.0	320.0	321.2
135°	345.6	345.4	345.2	344.6	343.5	342.4	341.3	340.2	341.3	342.4	343.5
137.5°	368.3	368.0	367.7	367.2	366.3	365.4	364.5	363.5	364.5	365.4	366.3
140°	382.9	382.5	382.0	381.3	380.3	379.5	378.6	377.6	378.6	379.5	380.3
142.5°	397.0	396.7	396.3	395.7	394.8	394.0	393.0	392.1	393.0	394.0	394.8
145°	417.6	416.9	416.4	415.7	415.0	414.3	413.6	412.9	413.6	414.3	415.0
147.5°	436.2	435.8	435.4	434.7	434.0	433.1	432.2	431.4	432.2	433.1	434.0
150°	447.7	447.3	446.9	446.5	445.8	445.3	444.7	444.1	444.7	445.3	445.8
152.5°	459.1	458.7	458.2	457.6	457.1	456.5	455.9	455.3	455.9	456.5	457.1
155°	474.2	473.9	473.6	473.2	472.9	472.7	472.4	472.1	472.4	472.7	472.9
157.5°	487.8	487.6	487.4	487.3	487.0	486.8	486.6	486.4	486.6	486.8	487.0
160°	496.2	496.1	496.1	495.9	495.7	495.5	495.3	495.1	495.3	495.5	495.7
162.5°	503.5	503.4	503.3	503.2	503.2	503.1	503.1	503.0	503.1	503.1	503.2
165°	513.2	513.2	513.2	513.3	513.3	513.4	513.5	513.7	513.5	513.4	513.3
167.5°	521.1	521.1	521.1	521.3	521.6	521.9	522.2	522.4	522.2	521.9	521.6
170°	525.5	525.7	525.8	526.0	526.2	526.6	526.9	527.2	526.9	526.6	526.2
172.5°	528.9	528.9	529.0	529.3	529.5	529.8	530.1	530.4	530.1	529.8	529.5
175°	532.6	532.7	533.0	533.2	533.5	533.8	534.1	534.4	534.1	533.8	533.5
177.5°	534.6	534.7	534.9	535.0	535.3	535.5	535.8	536.1	535.8	535.5	535.3
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



TEST NUMBER: P331742-927

CATALOG NUMBER: S122RDIP-S1005D530U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1722.4	1719.0	1712.6	1702.9	1697.1	1686.9	1680.1	1683.9	1685.0	1683.9	1683.0
5°	1676.1	1663.3	1645.8	1628.7	1613.0	1595.9	1586.3	1582.0	1573.5	1568.6	1566.2
7.5°	1620.1	1598.1	1573.3	1543.6	1518.5	1492.2	1478.7	1472.0	1454.6	1445.2	1436.9
10°	1578.3	1543.7	1518.9	1480.0	1456.3	1421.7	1398.0	1398.7	1375.0	1361.6	1351.9
12.5°	1532.2	1494.2	1452.8	1417.8	1385.0	1357.2	1328.6	1317.1	1292.0	1279.1	1252.8
15°	1455.7	1411.4	1367.7	1320.3	1287.0	1243.9	1202.6	1152.2	1111.5	1076.3	1066.6
17.5°	1372.2	1317.3	1273.5	1217.9	1160.7	1088.2	1040.4	1011.1	986.6	968.0	954.2
20°	1314.9	1259.0	1212.3	1128.5	1051.4	1002.3	967.0	944.6	919.1	899.0	888.1
22.5°	1254.7	1196.4	1132.7	1039.2	979.1	939.6	908.2	882.4	865.1	849.5	839.6
25°	1169.2	1105.4	1000.4	936.0	887.5	846.2	824.3	808.6	790.4	769.1	759.5
27.5°	1078.9	977.5	902.1	854.2	807.9	781.0	761.4	737.8	721.5	711.9	701.9
30°	1011.4	910.0	851.1	798.9	766.1	736.3	713.3	700.0	684.1	667.7	661.1
32.5°	936.0	855.1	798.7	755.2	721.9	696.6	678.3	656.7	645.3	635.3	621.2
35°	842.6	781.3	729.7	694.5	662.9	642.3	621.0	608.2	587.6	579.2	573.7
37.5°	763.4	710.3	671.8	634.6	609.6	586.8	573.8	553.5	544.5	532.7	521.3
40°	718.7	666.5	629.5	599.1	571.2	554.2	537.8	521.5	508.1	502.6	488.7
42.5°	673.1	630.6	593.6	560.3	541.6	523.6	502.9	490.8	477.1	468.2	459.5
45°	610.1	572.4	540.9	513.6	492.9	474.1	460.7	440.7	432.8	415.3	408.0
47.5°	554.8	519.8	489.6	463.7	443.5	431.3	411.7	396.0	383.4	372.6	363.3
50°	515.4	486.2	457.1	434.0	415.8	398.2	378.2	370.3	350.9	345.4	339.9
52.5°	479.4	451.8	425.1	402.5	384.3	367.2	349.5	339.2	326.1	320.7	316.6
55°	429.2	402.5	377.0	357.0	338.7	321.2	310.2	297.5	291.4	287.2	282.3
57.5°	378.7	354.7	335.1	314.8	296.5	282.5	269.9	262.2	256.0	250.3	244.5
60°	346.7	323.5	305.9	287.2	268.3	256.7	247.1	238.0	230.7	222.2	219.8
62.5°	312.6	292.5	276.3	258.0	241.6	231.1	221.8	213.2	204.5	192.1	188.7
65°	265.9	250.1	233.1	217.9	203.4	193.1	179.7	170.0	166.4	165.1	164.5
67.5°	223.6	208.7	194.2	178.6	165.3	155.7	149.0	147.5	145.0	144.3	142.5
70°	195.5	181.5	166.9	152.3	139.7	137.8	135.4	132.9	129.9	128.7	127.5
72.5°	170.2	155.7	141.2	129.5	124.1	121.8	119.4	116.9	114.9	113.7	112.9
75°	130.6	117.2	107.4	103.2	100.1	98.3	94.7	92.8	91.7	89.8	89.2
77.5°	94.0	86.4	82.0	79.3	76.1	74.1	72.1	70.3	69.0	68.6	67.7
80°	71.6	68.0	65.0	61.3	60.1	57.7	57.0	55.2	55.8	54.0	54.0
82.5°	55.6	51.0	48.5	46.7	45.6	43.6	43.0	42.1	42.2	40.9	40.9
85°	28.5	27.3	26.1	24.9	24.9	23.1	23.7	23.1	23.1	21.9	21.2
87.5°	10.3	10.1	9.6	10.1	10.5	10.5	10.4	9.9	9.8	9.8	9.3
90°	5.3	7.0	9.2	11.4	13.6	15.8	15.6	15.4	15.2	15.0	15.0
92.5°	11.6	12.3	12.8	13.3	13.9	14.3	14.4	14.4	14.5	14.5	14.6
95°	27.5	28.1	28.3	28.5	28.7	28.9	28.9	28.9	28.9	28.9	28.8
97.5°	46.4	47.1	47.5	47.8	48.2	48.6	48.6	48.6	48.6	48.6	48.6
100°	60.6	61.2	61.5	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3
102.5°	75.1	75.7	76.0	76.4	76.8	77.2	77.2	77.3	77.4	77.5	77.5
105°	98.3	98.5	98.8	98.9	99.2	99.4	99.6	99.8	100.0	100.2	100.3
107.5°	123.7	123.9	123.9	123.9	123.9	123.9	124.0	124.1	124.1	124.2	124.0
110°	140.2	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.5	140.4



TEST NUMBER: P331742-927

CATALOG NUMBER: S122RDIP-S1005D530U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	157.6	157.8	157.7	157.6	157.6	157.5	157.2	157.0	156.8	156.5	156.3
115°	183.1	183.3	183.1	182.9	182.7	182.5	182.4	182.3	182.2	182.1	181.9
117.5°	209.4	209.5	209.0	208.3	207.8	207.2	207.0	206.8	206.5	206.3	206.0
120°	226.4	226.4	225.5	224.7	223.9	223.2	223.2	223.2	223.2	223.2	223.0
122.5°	242.6	242.7	242.2	241.6	241.1	240.5	240.3	240.0	239.8	239.6	239.3
125°	266.5	266.8	266.5	266.3	265.9	265.6	265.3	265.0	264.7	264.4	264.2
127.5°	291.0	291.4	291.1	290.7	290.4	290.0	289.6	289.3	288.9	288.6	288.2
130°	306.5	307.0	306.9	306.7	306.5	306.3	306.1	305.9	305.7	305.5	305.1
132.5°	322.2	322.7	322.8	322.8	322.9	322.9	322.5	322.0	321.5	321.2	320.8
135°	344.6	345.2	345.4	345.6	345.9	346.0	345.9	345.9	345.7	345.6	345.4
137.5°	367.2	367.7	368.0	368.3	368.5	368.8	368.7	368.6	368.5	368.4	368.2
140°	381.3	382.0	382.5	382.9	383.5	384.0	384.0	384.0	384.0	384.0	383.8
142.5°	395.7	396.3	396.7	397.0	397.4	397.7	397.8	397.8	397.9	398.0	397.8
145°	415.7	416.4	416.9	417.6	418.2	418.7	418.8	419.0	419.1	419.1	419.0
147.5°	434.7	435.4	435.8	436.2	436.6	437.0	437.2	437.4	437.7	437.9	437.8
150°	446.5	446.9	447.3	447.7	448.1	448.6	448.9	449.2	449.5	449.8	449.8
152.5°	457.6	458.2	458.7	459.1	459.6	460.2	460.5	460.9	461.3	461.7	461.7
155°	473.2	473.6	473.9	474.2	474.4	474.8	475.3	475.8	476.3	476.8	476.9
157.5°	487.3	487.4	487.6	487.8	488.0	488.1	488.9	489.5	490.2	490.9	491.0
160°	495.9	496.1	496.1	496.2	496.4	496.5	497.1	497.6	498.3	498.8	499.0
162.5°	503.2	503.3	503.4	503.5	503.6	503.7	504.4	505.0	505.7	506.4	506.5
165°	513.3	513.2	513.2	513.2	513.2	513.2	513.9	514.6	515.3	515.9	516.1
167.5°	521.3	521.1	521.1	521.1	521.0	521.0	521.7	522.4	523.2	523.9	523.9
170°	526.0	525.8	525.7	525.5	525.5	525.4	526.1	526.8	527.5	528.1	528.2
172.5°	529.3	529.0	528.9	528.9	528.7	528.6	529.3	530.0	530.8	531.4	531.5
175°	533.2	533.0	532.7	532.6	532.3	532.1	532.8	533.5	534.2	535.0	535.0
177.5°	535.0	534.9	534.7	534.6	534.4	534.2	534.7	535.2	535.7	536.1	536.1
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



TEST NUMBER: P331742-927

CATALOG NUMBER: S122RDIP-S1005D530U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1677.7	1678.6	1677.2	1678.2	1677.2	1678.6	1677.7	1683.0	1683.9	1685.0	1683.9
5°	1563.1	1555.8	1554.7	1552.8	1554.7	1555.8	1563.1	1566.2	1568.6	1573.5	1582.0
7.5°	1426.5	1425.4	1422.4	1418.1	1422.4	1425.4	1426.5	1436.9	1445.2	1454.6	1472.0
10°	1338.6	1335.5	1334.9	1330.6	1334.9	1335.5	1338.6	1351.9	1361.6	1375.0	1398.7
12.5°	1235.6	1216.1	1214.0	1203.4	1214.0	1216.1	1235.6	1252.8	1279.1	1292.0	1317.1
15°	1052.0	1048.4	1036.3	1028.3	1036.3	1048.4	1052.0	1066.6	1076.3	1111.5	1152.2
17.5°	947.1	935.3	931.4	929.8	931.4	935.3	947.1	954.2	968.0	986.6	1011.1
20°	879.6	868.7	866.9	865.7	866.9	868.7	879.6	888.1	899.0	919.1	944.6
22.5°	833.0	821.6	816.8	813.2	816.8	821.6	833.0	839.6	849.5	865.1	882.4
25°	753.4	749.1	746.7	745.4	746.7	749.1	753.4	759.5	769.1	790.4	808.6
27.5°	691.1	681.8	679.9	676.8	679.9	681.8	691.1	701.9	711.9	721.5	737.8
30°	655.6	652.6	648.3	644.7	648.3	652.6	655.6	661.1	667.7	684.1	700.0
32.5°	613.9	611.3	607.5	605.9	607.5	611.3	613.9	621.2	635.3	645.3	656.7
35°	567.6	559.1	555.5	550.0	555.5	559.1	567.6	573.7	579.2	587.6	608.2
37.5°	518.6	514.2	509.1	510.9	509.1	514.2	518.6	521.3	532.7	544.5	553.5
40°	480.8	477.8	476.6	475.9	476.6	477.8	480.8	488.7	502.6	508.1	521.5
42.5°	450.7	442.3	439.1	439.0	439.1	442.3	450.7	459.5	468.2	477.1	490.8
45°	404.9	397.0	391.6	392.1	391.6	397.0	404.9	408.0	415.3	432.8	440.7
47.5°	358.1	357.8	354.4	355.5	354.4	357.8	358.1	363.3	372.6	383.4	396.0
50°	335.7	332.1	329.6	330.3	329.6	332.1	335.7	339.9	345.4	350.9	370.3
52.5°	314.3	311.2	309.3	311.8	309.3	311.2	314.3	316.6	320.7	326.1	339.2
55°	279.2	275.6	275.0	274.4	275.0	275.6	279.2	282.3	287.2	291.4	297.5
57.5°	240.0	237.6	233.9	232.3	233.9	237.6	240.0	244.5	250.3	256.0	262.2
60°	211.8	207.0	200.9	200.3	200.9	207.0	211.8	219.8	222.2	230.7	238.0
62.5°	186.1	185.1	183.9	183.8	183.9	185.1	186.1	188.7	192.1	204.5	213.2
65°	163.3	162.7	163.3	163.9	163.3	162.7	163.3	164.5	165.1	166.4	170.0
67.5°	142.3	141.2	140.1	140.6	140.1	141.2	142.3	142.5	144.3	145.0	147.5
70°	126.3	125.6	125.1	125.1	125.1	125.6	126.3	127.5	128.7	129.9	132.9
72.5°	110.7	110.6	110.0	109.5	110.0	110.6	110.7	112.9	113.7	114.9	116.9
75°	88.6	87.4	87.4	87.4	87.4	87.4	88.6	89.2	89.8	91.7	92.8
77.5°	67.5	66.9	66.3	65.8	66.3	66.9	67.5	67.7	68.6	69.0	70.3
80°	53.4	52.8	52.2	52.2	52.2	52.8	53.4	54.0	54.0	55.8	55.2
82.5°	40.8	40.2	40.1	39.6	40.1	40.2	40.8	40.9	40.9	42.2	42.1
85°	21.9	22.5	21.9	23.1	21.9	22.5	21.9	21.2	21.9	23.1	23.1
87.5°	9.3	8.9	9.3	8.9	9.3	8.9	9.3	9.3	9.8	9.8	9.9
90°	15.1	15.1	15.3	15.4	15.3	15.1	15.1	15.0	15.0	15.2	15.4
92.5°	14.6	14.6	14.7	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.4
95°	28.6	28.4	28.2	28.0	28.2	28.4	28.6	28.8	28.9	28.9	28.9
97.5°	48.6	48.6	48.6	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
100°	62.2	62.1	62.0	61.9	62.0	62.1	62.2	62.3	62.3	62.3	62.3
102.5°	77.4	77.2	77.2	77.1	77.2	77.2	77.4	77.5	77.5	77.4	77.3
105°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.2	100.0	99.8
107.5°	123.5	123.1	122.6	122.2	122.6	123.1	123.5	124.0	124.2	124.1	124.1
110°	140.1	139.7	139.4	139.1	139.4	139.7	140.1	140.4	140.5	140.5	140.5



TEST NUMBER: P331742-927

CATALOG NUMBER: S122RDIP-S1005D530U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	156.1	155.8	155.6	155.4	155.6	155.8	156.1	156.3	156.5	156.8	157.0
115°	181.6	181.3	181.0	180.7	181.0	181.3	181.6	181.9	182.1	182.2	182.3
117.5°	205.7	205.4	205.1	204.8	205.1	205.4	205.7	206.0	206.3	206.5	206.8
120°	222.7	222.4	222.1	221.8	222.1	222.4	222.7	223.0	223.2	223.2	223.2
122.5°	239.1	238.8	238.7	238.4	238.7	238.8	239.1	239.3	239.6	239.8	240.0
125°	264.1	264.0	263.9	263.8	263.9	264.0	264.1	264.2	264.4	264.7	265.0
127.5°	287.9	287.6	287.2	286.9	287.2	287.6	287.9	288.2	288.6	288.9	289.3
130°	304.8	304.4	304.0	303.6	304.0	304.4	304.8	305.1	305.5	305.7	305.9
132.5°	320.4	320.1	319.8	319.5	319.8	320.1	320.4	320.8	321.2	321.5	322.0
135°	345.2	344.8	344.5	344.2	344.5	344.8	345.2	345.4	345.6	345.7	345.9
137.5°	367.8	367.4	367.0	366.6	367.0	367.4	367.8	368.2	368.4	368.5	368.6
140°	383.3	382.9	382.5	382.1	382.5	382.9	383.3	383.8	384.0	384.0	384.0
142.5°	397.4	397.0	396.6	396.2	396.6	397.0	397.4	397.8	398.0	397.9	397.8
145°	418.6	418.2	417.8	417.4	417.8	418.2	418.6	419.0	419.1	419.1	419.0
147.5°	437.4	437.0	436.7	436.3	436.7	437.0	437.4	437.8	437.9	437.7	437.4
150°	449.5	449.2	448.9	448.6	448.9	449.2	449.5	449.8	449.8	449.5	449.2
152.5°	461.3	460.9	460.5	460.2	460.5	460.9	461.3	461.7	461.7	461.3	460.9
155°	476.6	476.3	475.9	475.7	475.9	476.3	476.6	476.9	476.8	476.3	475.8
157.5°	490.5	490.0	489.6	489.0	489.6	490.0	490.5	491.0	490.9	490.2	489.5
160°	498.6	498.2	497.7	497.3	497.7	498.2	498.6	499.0	498.8	498.3	497.6
162.5°	506.0	505.6	505.1	504.6	505.1	505.6	506.0	506.5	506.4	505.7	505.0
165°	515.6	515.1	514.6	514.0	514.6	515.1	515.6	516.1	515.9	515.3	514.6
167.5°	523.4	522.9	522.4	521.8	522.4	522.9	523.4	523.9	523.9	523.2	522.4
170°	527.6	527.0	526.4	525.9	526.4	527.0	527.6	528.2	528.1	527.5	526.8
172.5°	530.9	530.3	529.7	529.1	529.7	530.3	530.9	531.5	531.4	530.8	530.0
175°	534.4	533.8	533.2	532.6	533.2	533.8	534.4	535.0	535.0	534.2	533.5
177.5°	535.7	535.2	534.7	534.2	534.7	535.2	535.7	536.1	536.1	535.7	535.2
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



TEST NUMBER: P331742-927

CATALOG NUMBER: S122RDIP-S1005D530U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1680.1	1686.9	1697.1	1702.9	1712.6	1719.0	1722.4	1728.6	1732.0	1744.2	1756.8
5°	1586.3	1595.9	1613.0	1628.7	1645.8	1663.3	1676.1	1690.7	1704.0	1727.0	1751.4
7.5°	1478.7	1492.2	1518.5	1543.6	1573.3	1598.1	1620.1	1645.0	1667.2	1700.3	1734.7
10°	1398.0	1421.7	1456.3	1480.0	1518.9	1543.7	1578.3	1605.7	1636.6	1680.3	1719.2
12.5°	1328.6	1357.2	1385.0	1417.8	1452.8	1494.2	1532.2	1567.3	1604.1	1649.2	1694.9
15°	1202.6	1243.9	1287.0	1320.3	1367.7	1411.4	1455.7	1503.1	1548.0	1602.0	1661.5
17.5°	1040.4	1088.2	1160.7	1217.9	1273.5	1317.3	1372.2	1429.5	1482.4	1547.6	1613.8
20°	967.0	1002.3	1051.4	1128.5	1212.3	1259.0	1314.9	1378.0	1438.7	1509.7	1580.8
22.5°	908.2	939.6	979.1	1039.2	1132.7	1196.4	1254.7	1318.7	1389.2	1461.7	1540.5
25°	824.3	846.2	887.5	936.0	1000.4	1105.4	1169.2	1233.5	1310.0	1387.7	1477.6
27.5°	761.4	781.0	807.9	854.2	902.1	977.5	1078.9	1149.1	1225.3	1312.7	1406.0
30°	713.3	736.3	766.1	798.9	851.1	910.0	1011.4	1092.7	1168.0	1257.8	1357.4
32.5°	678.3	696.6	721.9	755.2	798.7	855.1	936.0	1034.9	1108.3	1202.9	1306.9
35°	621.0	642.3	662.9	694.5	729.7	781.3	842.6	948.2	1021.0	1114.5	1218.9
37.5°	573.8	586.8	609.6	634.6	671.8	710.3	763.4	858.2	936.9	1028.7	1135.6
40°	537.8	554.2	571.2	599.1	629.5	666.5	718.7	789.2	879.6	969.5	1073.9
42.5°	502.9	523.6	541.6	560.3	593.6	630.6	673.1	732.8	825.2	910.2	1011.7
45°	460.7	474.1	492.9	513.6	540.9	572.4	610.1	662.3	750.9	824.3	919.7
47.5°	411.7	431.3	443.5	463.7	489.6	519.8	554.8	599.9	671.6	740.5	828.9
50°	378.2	398.2	415.8	434.0	457.1	486.2	515.4	559.1	616.8	689.0	771.6
52.5°	349.5	367.2	384.3	402.5	425.1	451.8	479.4	517.8	567.2	633.7	713.8
55°	310.2	321.2	338.7	357.0	377.0	402.5	429.2	461.4	503.8	559.7	624.6
57.5°	269.9	282.5	296.5	314.8	335.1	354.7	378.7	407.8	441.3	491.9	547.5
60°	247.1	256.7	268.3	287.2	305.9	323.5	346.7	370.9	402.5	446.2	493.5
62.5°	221.8	231.1	241.6	258.0	276.3	292.5	312.6	338.3	365.1	404.9	446.4
65°	179.7	193.1	203.4	217.9	233.1	250.1	265.9	286.5	310.2	341.7	378.8
67.5°	149.0	155.7	165.3	178.6	194.2	208.7	223.6	239.8	260.3	284.7	314.1
70°	135.4	137.8	139.7	152.3	166.9	181.5	195.5	210.6	228.2	248.3	273.8
72.5°	119.4	121.8	124.1	129.5	141.2	155.7	170.2	181.5	198.1	214.8	235.4
75°	94.7	98.3	100.1	103.2	107.4	117.2	130.6	141.4	151.1	163.9	180.3
77.5°	72.1	74.1	76.1	79.3	82.0	86.4	94.0	103.8	112.9	120.3	131.6
80°	57.0	57.7	60.1	61.3	65.0	68.0	71.6	79.5	88.6	91.7	99.6
82.5°	43.0	43.6	45.6	46.7	48.5	51.0	55.6	57.7	64.8	68.8	73.8
85°	23.7	23.1	24.9	24.9	26.1	27.3	28.5	31.5	33.4	38.3	39.5
87.5°	10.4	10.5	10.5	10.1	9.6	10.1	10.3	10.5	11.2	12.4	14.2
90°	15.6	15.8	13.6	11.4	9.2	7.0	5.3	4.0	2.9	1.7	0.5
92.5°	14.4	14.3	13.9	13.3	12.8	12.3	11.6	10.7	9.8	9.0	8.1
95°	28.9	28.9	28.7	28.5	28.3	28.1	27.5	26.5	25.5	24.5	23.5
97.5°	48.6	48.6	48.2	47.8	47.5	47.1	46.4	45.6	44.7	43.8	42.9
100°	62.3	62.3	62.0	61.7	61.5	61.2	60.6	59.8	58.9	58.1	57.4
102.5°	77.2	77.2	76.8	76.4	76.0	75.7	75.1	74.5	73.8	73.2	72.6
105°	99.6	99.4	99.2	98.9	98.8	98.5	98.3	98.0	97.8	97.4	97.1
107.5°	124.0	123.9	123.9	123.9	123.9	123.9	123.7	123.2	122.8	122.3	121.9
110°	140.5	140.5	140.5	140.5	140.5	140.5	140.2	139.6	138.9	138.4	137.8



TEST NUMBER: P331742-927

CATALOG NUMBER: S122RDIP-S1005D530U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	157.2	157.5	157.6	157.6	157.7	157.8	157.6	156.9	156.3	155.7	155.1
115°	182.4	182.5	182.7	182.9	183.1	183.3	183.1	182.5	181.9	181.3	180.7
117.5°	207.0	207.2	207.8	208.3	209.0	209.5	209.4	208.6	207.8	207.0	206.2
120°	223.2	223.2	223.9	224.7	225.5	226.4	226.4	225.5	224.7	223.9	223.2
122.5°	240.3	240.5	241.1	241.6	242.2	242.7	242.6	241.6	240.7	239.6	238.7
125°	265.3	265.6	265.9	266.3	266.5	266.8	266.5	265.6	264.7	263.8	262.9
127.5°	289.6	290.0	290.4	290.7	291.1	291.4	291.0	289.9	288.8	287.6	286.5
130°	306.1	306.3	306.5	306.7	306.9	307.0	306.5	305.2	303.9	302.6	301.3
132.5°	322.5	322.9	322.9	322.8	322.8	322.7	322.2	321.2	320.0	319.0	317.9
135°	345.9	346.0	345.9	345.6	345.4	345.2	344.6	343.5	342.4	341.3	340.2
137.5°	368.7	368.8	368.5	368.3	368.0	367.7	367.2	366.3	365.4	364.5	363.5
140°	384.0	384.0	383.5	382.9	382.5	382.0	381.3	380.3	379.5	378.6	377.6
142.5°	397.8	397.7	397.4	397.0	396.7	396.3	395.7	394.8	394.0	393.0	392.1
145°	418.8	418.7	418.2	417.6	416.9	416.4	415.7	415.0	414.3	413.6	412.9
147.5°	437.2	437.0	436.6	436.2	435.8	435.4	434.7	434.0	433.1	432.2	431.4
150°	448.9	448.6	448.1	447.7	447.3	446.9	446.5	445.8	445.3	444.7	444.1
152.5°	460.5	460.2	459.6	459.1	458.7	458.2	457.6	457.1	456.5	455.9	455.3
155°	475.3	474.8	474.4	474.2	473.9	473.6	473.2	472.9	472.7	472.4	472.1
157.5°	488.9	488.1	488.0	487.8	487.6	487.4	487.3	487.0	486.8	486.6	486.4
160°	497.1	496.5	496.4	496.2	496.1	496.1	495.9	495.7	495.5	495.3	495.1
162.5°	504.4	503.7	503.6	503.5	503.4	503.3	503.2	503.2	503.1	503.1	503.0
165°	513.9	513.2	513.2	513.2	513.2	513.2	513.3	513.3	513.4	513.5	513.7
167.5°	521.7	521.0	521.0	521.1	521.1	521.1	521.3	521.6	521.9	522.2	522.4
170°	526.1	525.4	525.5	525.5	525.7	525.8	526.0	526.2	526.6	526.9	527.2
172.5°	529.3	528.6	528.7	528.9	528.9	529.0	529.3	529.5	529.8	530.1	530.4
175°	532.8	532.1	532.3	532.6	532.7	533.0	533.2	533.5	533.8	534.1	534.4
177.5°	534.7	534.2	534.4	534.6	534.7	534.9	535.0	535.3	535.5	535.8	536.1
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



TEST NUMBER: P331742-927

CATALOG NUMBER: S122RDIP-S1005D530U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1757.3	1758.7	1768.5	1772.8	1781.6	1784.9	1788.9	1787.9	1787.9	1789.9	1803.4
5°	1761.1	1773.2	1791.4	1809.0	1826.1	1840.6	1850.3	1860.0	1863.7	1881.3	1897.0
7.5°	1754.8	1777.1	1807.2	1834.1	1866.2	1891.3	1912.2	1931.0	1943.9	1969.5	1995.7
10°	1746.5	1778.1	1812.0	1846.7	1890.9	1924.4	1958.4	1984.5	1993.0	2031.2	2053.1
12.5°	1730.0	1772.3	1815.4	1860.3	1903.6	1949.6	1987.0	2013.1	2043.0	2077.3	2117.7
15°	1705.3	1753.8	1810.2	1867.9	1929.8	1985.7	2025.8	2071.2	2104.0	2141.7	2176.9
17.5°	1669.7	1732.2	1804.0	1870.7	1942.4	2002.3	2057.5	2101.1	2124.2	2145.7	2150.9
20°	1641.5	1708.9	1793.3	1872.2	1943.8	2013.0	2067.6	2104.0	2110.1	2110.7	2078.5
22.5°	1610.9	1687.0	1775.3	1856.2	1941.9	2018.8	2061.3	2076.9	2052.8	2011.7	1949.4
25°	1554.7	1642.7	1745.3	1837.5	1931.0	2003.9	2018.5	1991.2	1906.8	1818.1	1705.8
27.5°	1493.7	1592.7	1702.6	1805.2	1904.8	1950.0	1918.5	1820.0	1668.1	1536.0	1375.9
30°	1449.1	1560.1	1668.2	1782.9	1875.2	1894.6	1822.4	1677.3	1500.0	1300.9	1141.3
32.5°	1398.0	1514.5	1633.2	1751.8	1829.1	1810.1	1690.8	1512.2	1304.3	1108.6	957.7
35°	1325.2	1445.4	1573.5	1692.5	1741.6	1659.7	1481.2	1248.7	1036.3	853.5	749.7
37.5°	1241.0	1372.0	1505.1	1614.4	1610.9	1474.3	1231.2	991.2	812.6	704.6	630.6
40°	1181.3	1313.7	1457.5	1549.8	1510.4	1332.5	1069.1	842.6	712.1	625.9	571.9
42.5°	1124.0	1256.9	1399.8	1473.1	1404.5	1185.8	923.4	745.9	638.3	571.0	527.2
45°	1026.5	1166.7	1299.1	1339.7	1217.1	976.1	746.7	618.0	546.4	496.5	466.2
47.5°	931.2	1069.1	1189.9	1190.6	1024.8	791.6	629.9	534.8	473.6	435.1	413.0
50°	872.9	1004.1	1105.4	1089.6	901.5	704.2	563.3	481.4	430.4	400.7	377.6
52.5°	807.4	934.6	1022.4	977.5	797.1	619.6	503.6	434.7	392.5	366.6	346.0
55°	712.1	825.0	886.9	818.9	650.1	515.4	425.6	371.5	339.9	318.1	300.5
57.5°	618.5	711.6	750.6	671.4	535.5	427.4	360.0	319.4	288.1	272.4	263.3
60°	559.7	639.2	666.5	579.2	465.6	373.9	318.7	281.1	258.0	247.7	238.6
62.5°	501.9	566.9	578.1	498.0	405.9	327.3	279.9	248.0	232.7	222.9	214.3
65°	416.5	463.2	457.7	393.4	321.2	259.8	225.2	205.8	194.2	180.3	165.1
67.5°	342.9	371.4	354.2	305.9	245.1	201.9	179.4	164.6	150.3	137.0	133.6
70°	296.3	312.6	294.5	250.1	200.9	169.4	151.1	133.6	125.1	122.0	116.5
72.5°	251.6	257.3	237.6	199.6	163.5	140.2	122.5	112.6	108.1	105.5	102.0
75°	188.8	184.6	167.5	137.8	113.5	97.8	92.3	88.6	85.6	83.2	81.4
77.5°	132.6	126.4	111.2	91.8	79.1	71.5	68.2	66.3	64.8	63.6	61.8
80°	99.6	95.3	80.2	65.6	60.1	56.5	54.7	52.2	52.2	51.0	49.2
82.5°	72.9	68.1	54.9	48.1	45.1	42.9	41.5	40.1	39.6	39.8	38.5
85°	38.3	31.0	27.3	26.1	24.3	23.1	23.7	22.5	22.5	22.5	21.9
87.5°	12.0	9.8	9.6	9.3	10.1	10.6	10.5	11.0	11.9	11.4	11.8
90°	1.7	2.9	4.0	5.3	7.0	9.2	11.4	13.6	15.8	15.6	15.4
92.5°	9.0	9.8	10.7	11.6	12.3	12.8	13.3	13.9	14.3	14.4	14.4
95°	24.5	25.5	26.5	27.5	28.1	28.3	28.5	28.7	28.9	28.9	28.9
97.5°	43.8	44.7	45.6	46.4	47.1	47.5	47.8	48.2	48.6	48.6	48.6
100°	58.1	58.9	59.8	60.6	61.2	61.5	61.7	62.0	62.3	62.3	62.3
102.5°	73.2	73.8	74.5	75.1	75.7	76.0	76.4	76.8	77.2	77.2	77.3
105°	97.4	97.8	98.0	98.3	98.5	98.8	98.9	99.2	99.4	99.6	99.8
107.5°	122.3	122.8	123.2	123.7	123.9	123.9	123.9	123.9	123.9	124.0	124.1
110°	138.4	138.9	139.6	140.2	140.5	140.5	140.5	140.5	140.5	140.5	140.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	155.7	156.3	156.9	157.6	157.8	157.7	157.6	157.6	157.5	157.2	157.0
115°	181.3	181.9	182.5	183.1	183.3	183.1	182.9	182.7	182.5	182.4	182.3
117.5°	207.0	207.8	208.6	209.4	209.5	209.0	208.3	207.8	207.2	207.0	206.8
120°	223.9	224.7	225.5	226.4	226.4	225.5	224.7	223.9	223.2	223.2	223.2
122.5°	239.6	240.7	241.6	242.6	242.7	242.2	241.6	241.1	240.5	240.3	240.0
125°	263.8	264.7	265.6	266.5	266.8	266.5	266.3	265.9	265.6	265.3	265.0
127.5°	287.6	288.8	289.9	291.0	291.4	291.1	290.7	290.4	290.0	289.6	289.3
130°	302.6	303.9	305.2	306.5	307.0	306.9	306.7	306.5	306.3	306.1	305.9
132.5°	319.0	320.0	321.2	322.2	322.7	322.8	322.8	322.9	322.9	322.5	322.0
135°	341.3	342.4	343.5	344.6	345.2	345.4	345.6	345.9	346.0	345.9	345.9
137.5°	364.5	365.4	366.3	367.2	367.7	368.0	368.3	368.5	368.8	368.7	368.6
140°	378.6	379.5	380.3	381.3	382.0	382.5	382.9	383.5	384.0	384.0	384.0
142.5°	393.0	394.0	394.8	395.7	396.3	396.7	397.0	397.4	397.7	397.8	397.8
145°	413.6	414.3	415.0	415.7	416.4	416.9	417.6	418.2	418.7	418.8	419.0
147.5°	432.2	433.1	434.0	434.7	435.4	435.8	436.2	436.6	437.0	437.2	437.4
150°	444.7	445.3	445.8	446.5	446.9	447.3	447.7	448.1	448.6	448.9	449.2
152.5°	455.9	456.5	457.1	457.6	458.2	458.7	459.1	459.6	460.2	460.5	460.9
155°	472.4	472.7	472.9	473.2	473.6	473.9	474.2	474.4	474.8	475.3	475.8
157.5°	486.6	486.8	487.0	487.3	487.4	487.6	487.8	488.0	488.1	488.9	489.5
160°	495.3	495.5	495.7	495.9	496.1	496.1	496.2	496.4	496.5	497.1	497.6
162.5°	503.1	503.1	503.2	503.2	503.3	503.4	503.5	503.6	503.7	504.4	505.0
165°	513.5	513.4	513.3	513.3	513.2	513.2	513.2	513.2	513.2	513.9	514.6
167.5°	522.2	521.9	521.6	521.3	521.1	521.1	521.1	521.0	521.0	521.7	522.4
170°	526.9	526.6	526.2	526.0	525.8	525.7	525.5	525.5	525.4	526.1	526.8
172.5°	530.1	529.8	529.5	529.3	529.0	528.9	528.9	528.7	528.6	529.3	530.0
175°	534.1	533.8	533.5	533.2	533.0	532.7	532.6	532.3	532.1	532.8	533.5
177.5°	535.8	535.5	535.3	535.0	534.9	534.7	534.6	534.4	534.2	534.7	535.2
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3	535.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1808.3	1814.6	1817.5	1817.5	1820.9	1819.5	1818.0
5°	1912.2	1923.7	1926.2	1937.1	1945.0	1942.6	1943.8
7.5°	2015.5	2034.1	2052.5	2060.9	2062.1	2067.0	2068.9
10°	2079.2	2094.4	2122.9	2118.6	2139.8	2152.0	2132.0
12.5°	2140.3	2160.8	2180.6	2186.1	2198.1	2202.0	2194.1
15°	2195.7	2206.6	2207.9	2204.8	2208.4	2205.4	2193.9
17.5°	2144.0	2126.3	2090.3	2073.3	2059.8	2039.9	2031.9
20°	2058.5	2006.3	1945.6	1921.4	1892.8	1836.9	1850.3
22.5°	1874.0	1814.5	1753.8	1682.9	1649.0	1596.1	1592.9
25°	1586.8	1484.2	1371.3	1292.4	1246.3	1193.5	1170.4
27.5°	1233.7	1104.6	1012.1	965.2	922.6	880.7	879.0
30°	1001.6	904.5	832.9	792.8	766.7	749.1	752.7
32.5°	844.3	777.8	729.4	696.2	676.8	663.6	663.4
35°	690.2	644.7	613.7	599.8	585.8	576.1	576.7
37.5°	590.7	563.3	546.1	530.7	522.0	517.2	514.5
40°	539.6	517.2	503.8	494.7	487.4	480.8	479.6
42.5°	499.4	480.8	467.5	460.3	453.4	448.8	447.5
45°	443.1	427.9	415.8	408.0	404.9	400.7	400.7
47.5°	394.2	379.3	369.8	364.9	359.7	356.8	356.7
50°	361.2	349.7	341.2	338.1	333.9	332.1	331.4
52.5°	331.6	323.0	316.9	314.8	313.0	310.7	311.1
55°	291.4	286.5	284.1	282.3	279.2	275.6	278.1
57.5°	257.5	253.4	246.8	241.1	238.4	235.8	236.8
60°	233.7	225.2	216.7	210.0	208.2	202.7	202.7
62.5°	203.6	191.7	181.3	177.5	175.7	173.2	172.6
65°	156.6	151.8	149.3	146.9	145.7	145.7	144.5
67.5°	129.8	127.9	125.2	124.5	123.3	123.0	122.6
70°	114.7	112.3	111.1	110.5	109.2	109.9	108.1
72.5°	100.1	98.2	98.0	96.4	95.7	95.8	94.4
75°	78.9	78.9	78.3	77.7	76.5	75.9	76.5
77.5°	60.7	60.8	59.7	59.7	59.5	59.7	59.0
80°	48.6	49.2	48.6	47.9	47.4	47.9	47.4
82.5°	38.3	37.5	37.4	37.3	37.2	36.8	36.7
85°	21.9	22.5	21.9	21.2	21.2	21.2	21.9
87.5°	11.3	11.2	11.2	11.2	11.2	11.3	10.9
90°	15.2	15.0	15.0	15.1	15.1	15.3	15.4
92.5°	14.5	14.5	14.6	14.6	14.6	14.7	14.7
95°	28.9	28.9	28.8	28.6	28.4	28.2	28.0
97.5°	48.6	48.6	48.6	48.6	48.6	48.6	48.5
100°	62.3	62.3	62.3	62.2	62.1	62.0	61.9
102.5°	77.4	77.5	77.5	77.4	77.2	77.2	77.1
105°	100.0	100.2	100.3	100.3	100.3	100.3	100.3
107.5°	124.1	124.2	124.0	123.5	123.1	122.6	122.2
110°	140.5	140.5	140.4	140.1	139.7	139.4	139.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	156.8	156.5	156.3	156.1	155.8	155.6	155.4
115°	182.2	182.1	181.9	181.6	181.3	181.0	180.7
117.5°	206.5	206.3	206.0	205.7	205.4	205.1	204.8
120°	223.2	223.2	223.0	222.7	222.4	222.1	221.8
122.5°	239.8	239.6	239.3	239.1	238.8	238.7	238.4
125°	264.7	264.4	264.2	264.1	264.0	263.9	263.8
127.5°	288.9	288.6	288.2	287.9	287.6	287.2	286.9
130°	305.7	305.5	305.1	304.8	304.4	304.0	303.6
132.5°	321.5	321.2	320.8	320.4	320.1	319.8	319.5
135°	345.7	345.6	345.4	345.2	344.8	344.5	344.2
137.5°	368.5	368.4	368.2	367.8	367.4	367.0	366.6
140°	384.0	384.0	383.8	383.3	382.9	382.5	382.1
142.5°	397.9	398.0	397.8	397.4	397.0	396.6	396.2
145°	419.1	419.1	419.0	418.6	418.2	417.8	417.4
147.5°	437.7	437.9	437.8	437.4	437.0	436.7	436.3
150°	449.5	449.8	449.8	449.5	449.2	448.9	448.6
152.5°	461.3	461.7	461.7	461.3	460.9	460.5	460.2
155°	476.3	476.8	476.9	476.6	476.3	475.9	475.7
157.5°	490.2	490.9	491.0	490.5	490.0	489.6	489.0
160°	498.3	498.8	499.0	498.6	498.2	497.7	497.3
162.5°	505.7	506.4	506.5	506.0	505.6	505.1	504.6
165°	515.3	515.9	516.1	515.6	515.1	514.6	514.0
167.5°	523.2	523.9	523.9	523.4	522.9	522.4	521.8
170°	527.5	528.1	528.2	527.6	527.0	526.4	525.9
172.5°	530.8	531.4	531.5	530.9	530.3	529.7	529.1
175°	534.2	535.0	535.0	534.4	533.8	533.2	532.6
177.5°	535.7	536.1	536.1	535.7	535.2	534.7	534.2
180°	535.3	535.3	535.3	535.3	535.3	535.3	535.3

(END OF REPORT)