

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: P331741-927

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331741-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
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-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 530 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

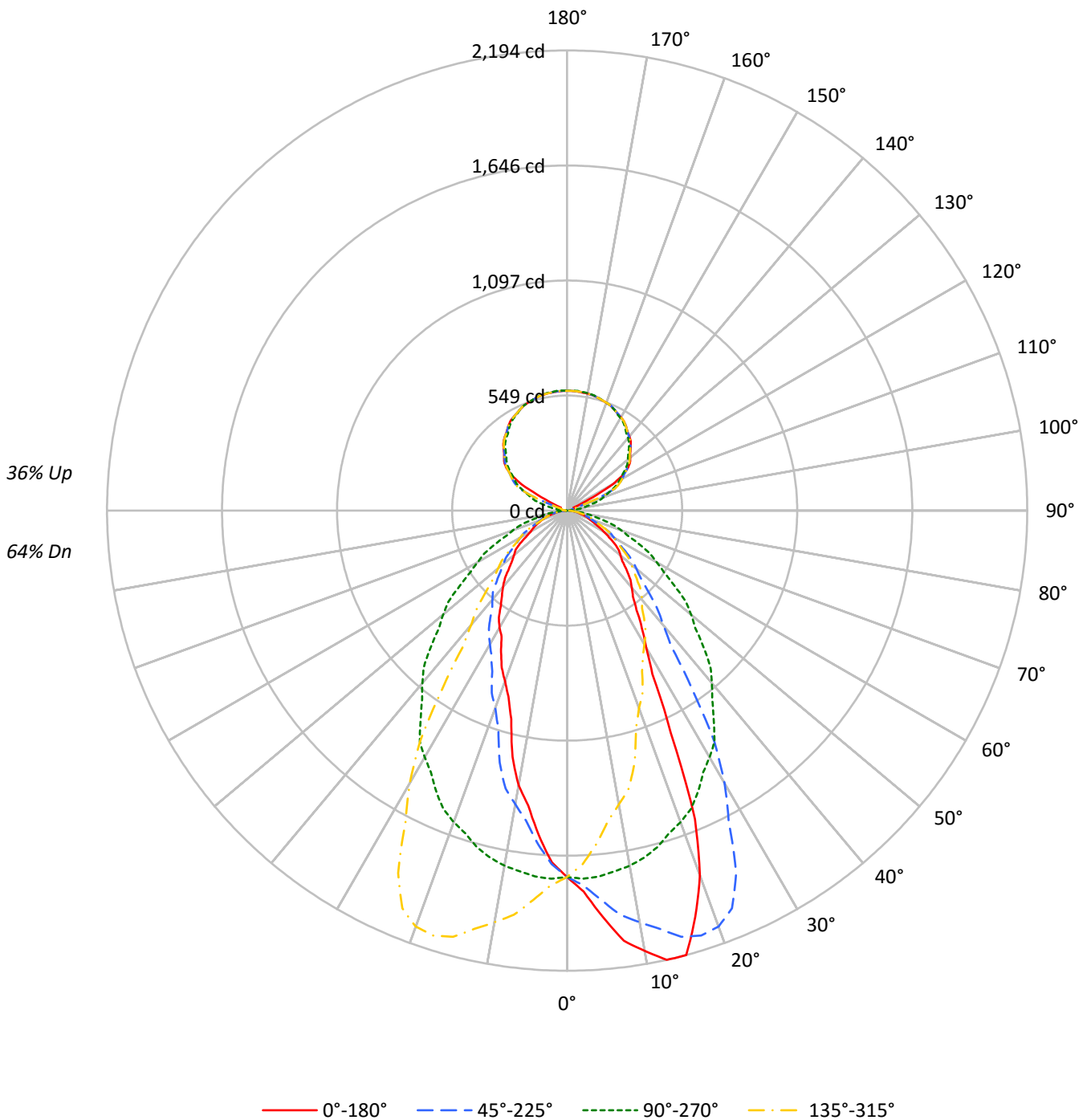
Lumens per Lamp: N/A  
Luminaire Lumens: 4695.1 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (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	104	104	104	104	91	91	91	80	80	80	69	69	69	64
1	102	98	94	91	96	92	89	86	82	79	77	72	70	69	63	62	60	56
2	94	87	81	76	88	82	77	73	73	69	66	64	61	59	57	54	53	49
3	86	77	70	65	81	73	67	62	65	60	56	58	54	51	51	48	46	43
4	80	69	62	56	75	66	59	54	59	53	49	52	48	45	46	43	41	38
5	74	62	55	49	69	59	52	47	53	48	43	48	43	40	43	39	36	33
6	68	57	49	43	64	54	47	42	49	43	39	44	39	36	39	35	33	30
7	64	52	44	39	60	49	42	37	45	39	35	40	36	32	36	32	30	27
8	59	47	40	35	56	45	38	34	41	35	31	37	32	29	33	30	27	25
9	56	44	36	31	52	42	35	30	38	32	28	34	30	27	31	27	25	23
10	52	40	33	29	49	39	32	28	35	30	26	32	28	24	29	25	23	21

**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	3.5
10°-20°	461.5	9.8
20°-30°	594.7	12.7
30°-40°	565.1	12.0
40°-50°	484.1	10.3
50°-60°	368.7	7.9
60°-70°	233.1	5.0
70°-80°	116.4	2.5
80°-90°	31.7	0.7
90°-100°	19.1	0.4
100°-110°	69.9	1.5
110°-120°	186.8	4.0
120°-130°	308.4	6.6
130°-140°	328.0	7.0
140°-150°	304.8	6.5
150°-160°	245.1	5.2
160°-170°	157.9	3.4
170°-180°	54.4	1.2
0°-30°	1221.8	26.0
0°-40°	1786.9	38.1
0°-60°	2639.7	56.2
0°-90°	3020.8	64.3
90°-120°	275.8	5.9
90°-150°	1217.0	25.9
90°-180°	1674.0	35.7
0°-180°	4695.1	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°	11	0	11	0	11	6
95°	18	27	18	27	18	17
105°	31	126	31	126	31	33
115°	34	238	34	238	34	85
125°	354	336	354	336	354	306
135°	430	416	430	416	430	331
145°	490	482	490	482	490	306
155°	532	531	532	531	532	245
165°	558	560	558	560	558	158
175°	569	573	569	573	569	54
180°	571	571	571	571	571	



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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°	10.0	10.5	10.4	10.4	10.4	10.3	10.2	10.6	10.0	10.4	9.7
90°	11.2	11.0	10.8	10.6	10.5	10.1	9.7	9.2	8.7	8.2	7.5
92.5°	11.2	11.1	10.9	10.9	10.7	10.5	10.3	10.1	9.8	9.6	9.2
95°	17.7	17.9	18.0	18.1	18.1	18.0	17.5	17.0	16.6	16.2	15.4
97.5°	23.8	23.6	23.5	23.4	23.3	23.1	22.7	22.3	21.9	21.5	20.1
100°	27.7	27.5	27.3	27.2	26.9	26.5	25.7	25.0	24.3	23.5	22.0
102.5°	29.7	29.4	29.2	28.9	28.7	28.0	27.1	26.1	25.2	24.2	37.3
105°	31.4	31.1	30.7	30.3	29.9	29.2	28.3	27.3	26.2	25.2	50.3
107.5°	32.3	31.9	31.6	31.2	30.9	31.2	32.2	33.3	34.3	35.3	65.4
110°	32.6	32.3	31.9	31.5	31.2	35.6	44.8	53.9	63.1	72.3	98.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	33.0	32.7	32.4	32.1	31.8	48.4	81.9	115.4	148.9	182.5	189.0
115°	33.9	40.5	47.1	53.7	60.4	84.9	127.5	170.0	212.5	255.1	252.8
117.5°	138.4	160.2	181.9	203.6	225.4	241.4	251.7	262.0	272.3	282.5	281.0
120°	252.2	264.6	277.0	289.4	301.8	307.4	306.3	305.2	304.1	303.0	301.3
122.5°	314.7	317.1	319.5	321.9	324.3	325.2	324.6	323.8	323.2	322.6	320.8
125°	353.5	353.2	352.9	352.7	352.4	351.9	351.3	350.6	350.0	349.4	347.6
127.5°	378.0	377.9	377.9	377.8	377.7	377.2	376.3	375.3	374.4	373.5	372.2
130°	393.2	393.2	393.3	393.4	393.6	393.1	392.1	391.0	390.1	389.0	388.0
132.5°	408.1	408.1	408.2	408.3	408.4	408.1	407.2	406.3	405.4	404.6	403.5
135°	429.5	429.8	429.9	430.1	430.3	429.9	429.0	428.1	427.1	426.2	425.4
137.5°	449.2	449.5	449.7	450.0	450.4	450.1	449.2	448.3	447.4	446.5	445.5
140°	461.4	461.8	462.3	462.7	463.2	463.0	462.2	461.4	460.6	459.7	458.7
142.5°	473.2	473.7	474.2	474.7	475.2	475.0	474.2	473.5	472.7	472.0	470.8
145°	489.9	490.4	490.8	491.3	491.7	491.6	491.0	490.4	489.7	489.1	487.5
147.5°	504.5	504.9	505.3	505.7	506.0	506.0	505.6	505.1	504.6	504.1	502.6
150°	513.5	513.9	514.4	514.8	515.3	515.2	514.7	514.1	513.6	513.0	511.6
152.5°	521.1	521.7	522.3	522.9	523.5	523.6	523.0	522.4	521.9	521.3	519.9
155°	531.6	532.4	533.1	533.9	534.6	534.7	534.2	533.6	533.1	532.5	531.4
157.5°	541.3	542.0	542.7	543.4	544.2	544.2	543.6	543.0	542.3	541.8	541.0
160°	546.9	547.6	548.3	548.9	549.5	549.5	549.0	548.4	548.0	547.4	546.8
162.5°	551.6	552.4	553.2	554.0	554.8	554.8	554.2	553.6	552.9	552.3	551.8
165°	558.5	559.2	559.8	560.5	561.1	561.1	560.5	559.8	559.2	558.5	558.3
167.5°	562.9	563.7	564.6	565.4	566.3	566.3	565.7	565.0	564.4	563.7	563.5
170°	565.5	566.4	567.2	568.0	568.9	568.9	568.3	567.7	567.0	566.4	566.2
172.5°	567.5	568.4	569.2	570.1	570.8	570.9	570.3	569.7	569.0	568.4	568.2
175°	569.3	570.2	571.1	572.0	573.0	573.1	572.4	571.8	571.2	570.5	570.3
177.5°	570.4	571.0	571.6	572.4	573.0	573.1	572.6	572.0	571.6	571.0	570.9
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



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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°	9.6	10.0	9.8	9.1	9.4	9.7	12.0	14.2	12.4	11.2	10.4
90°	6.8	6.1	5.3	4.4	3.4	2.5	1.4	0.4	1.4	2.5	3.4
92.5°	8.9	8.5	8.2	8.0	8.1	8.2	8.2	8.3	8.2	8.2	8.1
95°	14.8	14.2	13.5	14.7	17.7	20.8	23.8	26.9	23.8	20.8	17.7
97.5°	18.6	17.1	15.6	19.2	27.7	36.3	44.8	53.3	44.8	36.3	27.7
100°	20.4	18.9	17.3	22.8	35.4	48.0	60.6	73.2	60.6	48.0	35.4
102.5°	50.4	63.5	76.4	84.4	87.0	89.7	92.4	95.0	92.4	89.7	87.0
105°	75.4	100.4	125.6	136.7	134.0	131.2	128.4	125.6	128.4	131.2	134.0
107.5°	95.5	125.6	155.6	169.5	167.3	165.1	162.9	160.7	162.9	165.1	167.3
110°	125.5	152.0	178.6	190.8	188.9	187.0	185.1	183.2	185.1	187.0	188.9





TEST NUMBER: P331741-927

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	195.6	202.2	208.7	211.1	209.5	207.7	206.0	204.3	206.0	207.7	209.5
115°	250.5	248.2	245.9	244.0	242.4	240.8	239.2	237.7	239.2	240.8	242.4
117.5°	279.4	277.8	276.2	274.6	272.8	271.1	269.3	267.6	269.3	271.1	272.8
120°	299.8	298.1	296.4	294.9	293.5	292.2	290.7	289.4	290.7	292.2	293.5
122.5°	318.9	317.1	315.4	313.7	312.3	310.9	309.3	307.9	309.3	310.9	312.3
125°	345.9	344.1	342.4	340.9	339.7	338.5	337.3	336.1	337.3	338.5	339.7
127.5°	370.9	369.6	368.3	366.9	365.6	364.3	363.0	361.6	363.0	364.3	365.6
130°	387.0	386.0	385.0	383.7	382.3	380.8	379.3	377.9	379.3	380.8	382.3
132.5°	402.6	401.6	400.5	399.4	398.2	396.9	395.6	394.4	395.6	396.9	398.2
135°	424.6	423.7	422.9	421.8	420.3	418.8	417.4	415.9	417.4	418.8	420.3
137.5°	444.7	443.7	442.8	441.7	440.7	439.7	438.6	437.7	438.6	439.7	440.7
140°	457.7	456.7	455.7	454.8	454.1	453.4	452.6	451.9	452.6	453.4	454.1
142.5°	469.6	468.5	467.3	466.4	465.7	465.1	464.5	463.7	464.5	465.1	465.7
145°	485.9	484.4	482.8	482.1	482.2	482.3	482.4	482.4	482.4	482.3	482.2
147.5°	501.1	499.5	498.0	497.3	497.7	498.0	498.4	498.8	498.4	498.0	497.7
150°	510.1	508.7	507.2	506.8	507.4	508.0	508.7	509.3	508.7	508.0	507.4
152.5°	518.6	517.1	515.7	515.4	516.1	516.8	517.5	518.2	517.5	516.8	516.1
155°	530.3	529.2	528.1	527.9	528.8	529.6	530.4	531.2	530.4	529.6	528.8
157.5°	540.2	539.4	538.7	538.6	539.3	540.0	540.7	541.4	540.7	540.0	539.3
160°	546.3	545.7	545.2	545.2	545.7	546.3	546.8	547.4	546.8	546.3	545.7
162.5°	551.4	550.9	550.4	550.5	551.0	551.5	552.1	552.6	552.1	551.5	551.0
165°	557.9	557.7	557.5	557.5	558.1	558.6	559.2	559.8	559.2	558.6	558.1
167.5°	563.2	562.9	562.7	562.8	563.4	564.0	564.5	565.1	564.5	564.0	563.4
170°	566.0	565.9	565.6	565.9	566.4	567.0	567.5	568.0	567.5	567.0	566.4
172.5°	568.0	567.8	567.6	567.8	568.4	568.9	569.5	570.1	569.5	568.9	568.4
175°	570.1	570.0	569.8	570.0	570.7	571.3	572.0	572.6	572.0	571.3	570.7
177.5°	570.8	570.8	570.7	570.9	571.5	572.0	572.5	573.0	572.5	572.0	571.5
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



TEST NUMBER: P331741-927

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

**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°	10.1	9.8	9.0	9.1	9.3	9.0	9.0	8.6	8.7	8.8	8.4
90°	4.4	5.3	6.1	6.8	7.5	8.2	8.7	9.2	9.7	10.1	10.5
92.5°	8.0	8.2	8.5	8.9	9.2	9.6	9.8	10.1	10.3	10.5	10.7
95°	14.7	13.5	14.2	14.8	15.4	16.2	16.6	17.0	17.5	18.0	18.1
97.5°	19.2	15.6	17.1	18.6	20.1	21.5	21.9	22.3	22.7	23.1	23.3
100°	22.8	17.3	18.9	20.4	22.0	23.5	24.3	25.0	25.7	26.5	26.9
102.5°	84.4	76.4	63.5	50.4	37.3	24.2	25.2	26.1	27.1	28.0	28.7
105°	136.7	125.6	100.4	75.4	50.3	25.2	26.2	27.3	28.3	29.2	29.9
107.5°	169.5	155.6	125.6	95.5	65.4	35.3	34.3	33.3	32.2	31.2	30.9
110°	190.8	178.6	152.0	125.5	98.9	72.3	63.1	53.9	44.8	35.6	31.2



TEST NUMBER: P331741-927

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

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	211.1	208.7	202.2	195.6	189.0	182.5	148.9	115.4	81.9	48.4	31.8
115°	244.0	245.9	248.2	250.5	252.8	255.1	212.5	170.0	127.5	84.9	60.4
117.5°	274.6	276.2	277.8	279.4	281.0	282.5	272.3	262.0	251.7	241.4	225.4
120°	294.9	296.4	298.1	299.8	301.3	303.0	304.1	305.2	306.3	307.4	301.8
122.5°	313.7	315.4	317.1	318.9	320.8	322.6	323.2	323.8	324.6	325.2	324.3
125°	340.9	342.4	344.1	345.9	347.6	349.4	350.0	350.6	351.3	351.9	352.4
127.5°	366.9	368.3	369.6	370.9	372.2	373.5	374.4	375.3	376.3	377.2	377.7
130°	383.7	385.0	386.0	387.0	388.0	389.0	390.1	391.0	392.1	393.1	393.6
132.5°	399.4	400.5	401.6	402.6	403.5	404.6	405.4	406.3	407.2	408.1	408.4
135°	421.8	422.9	423.7	424.6	425.4	426.2	427.1	428.1	429.0	429.9	430.3
137.5°	441.7	442.8	443.7	444.7	445.5	446.5	447.4	448.3	449.2	450.1	450.4
140°	454.8	455.7	456.7	457.7	458.7	459.7	460.6	461.4	462.2	463.0	463.2
142.5°	466.4	467.3	468.5	469.6	470.8	472.0	472.7	473.5	474.2	475.0	475.2
145°	482.1	482.8	484.4	485.9	487.5	489.1	489.7	490.4	491.0	491.6	491.7
147.5°	497.3	498.0	499.5	501.1	502.6	504.1	504.6	505.1	505.6	506.0	506.0
150°	506.8	507.2	508.7	510.1	511.6	513.0	513.6	514.1	514.7	515.2	515.3
152.5°	515.4	515.7	517.1	518.6	519.9	521.3	521.9	522.4	523.0	523.6	523.5
155°	527.9	528.1	529.2	530.3	531.4	532.5	533.1	533.6	534.2	534.7	534.6
157.5°	538.6	538.7	539.4	540.2	541.0	541.8	542.3	543.0	543.6	544.2	544.2
160°	545.2	545.2	545.7	546.3	546.8	547.4	548.0	548.4	549.0	549.5	549.5
162.5°	550.5	550.4	550.9	551.4	551.8	552.3	552.9	553.6	554.2	554.8	554.8
165°	557.5	557.5	557.7	557.9	558.3	558.5	559.2	559.8	560.5	561.1	561.1
167.5°	562.8	562.7	562.9	563.2	563.5	563.7	564.4	565.0	565.7	566.3	566.3
170°	565.9	565.6	565.9	566.0	566.2	566.4	567.0	567.7	568.3	568.9	568.9
172.5°	567.8	567.6	567.8	568.0	568.2	568.4	569.0	569.7	570.3	570.9	570.8
175°	570.0	569.8	570.0	570.1	570.3	570.5	571.2	571.8	572.4	573.1	573.0
177.5°	570.9	570.7	570.8	570.8	570.9	571.0	571.6	572.0	572.6	573.1	573.0
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



TEST NUMBER: P331741-927

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

**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°	8.4	8.0	8.5	8.1	8.5	8.0	8.4	8.4	8.8	8.7	8.6
90°	10.6	10.8	11.0	11.2	11.0	10.8	10.6	10.5	10.1	9.7	9.2
92.5°	10.9	10.9	11.1	11.2	11.1	10.9	10.9	10.7	10.5	10.3	10.1
95°	18.1	18.0	17.9	17.7	17.9	18.0	18.1	18.1	18.0	17.5	17.0
97.5°	23.4	23.5	23.6	23.8	23.6	23.5	23.4	23.3	23.1	22.7	22.3
100°	27.2	27.3	27.5	27.7	27.5	27.3	27.2	26.9	26.5	25.7	25.0
102.5°	28.9	29.2	29.4	29.7	29.4	29.2	28.9	28.7	28.0	27.1	26.1
105°	30.3	30.7	31.1	31.4	31.1	30.7	30.3	29.9	29.2	28.3	27.3
107.5°	31.2	31.6	31.9	32.3	31.9	31.6	31.2	30.9	31.2	32.2	33.3
110°	31.5	31.9	32.3	32.6	32.3	31.9	31.5	31.2	35.6	44.8	53.9



TEST NUMBER: P331741-927

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	32.1	32.4	32.7	33.0	32.7	32.4	32.1	31.8	48.4	81.9	115.4
115°	53.7	47.1	40.5	33.9	40.5	47.1	53.7	60.4	84.9	127.5	170.0
117.5°	203.6	181.9	160.2	138.4	160.2	181.9	203.6	225.4	241.4	251.7	262.0
120°	289.4	277.0	264.6	252.2	264.6	277.0	289.4	301.8	307.4	306.3	305.2
122.5°	321.9	319.5	317.1	314.7	317.1	319.5	321.9	324.3	325.2	324.6	323.8
125°	352.7	352.9	353.2	353.5	353.2	352.9	352.7	352.4	351.9	351.3	350.6
127.5°	377.8	377.9	377.9	378.0	377.9	377.9	377.8	377.7	377.2	376.3	375.3
130°	393.4	393.3	393.2	393.2	393.2	393.3	393.4	393.6	393.1	392.1	391.0
132.5°	408.3	408.2	408.1	408.1	408.1	408.2	408.3	408.4	408.1	407.2	406.3
135°	430.1	429.9	429.8	429.5	429.8	429.9	430.1	430.3	429.9	429.0	428.1
137.5°	450.0	449.7	449.5	449.2	449.5	449.7	450.0	450.4	450.1	449.2	448.3
140°	462.7	462.3	461.8	461.4	461.8	462.3	462.7	463.2	463.0	462.2	461.4
142.5°	474.7	474.2	473.7	473.2	473.7	474.2	474.7	475.2	475.0	474.2	473.5
145°	491.3	490.8	490.4	489.9	490.4	490.8	491.3	491.7	491.6	491.0	490.4
147.5°	505.7	505.3	504.9	504.5	504.9	505.3	505.7	506.0	506.0	505.6	505.1
150°	514.8	514.4	513.9	513.5	513.9	514.4	514.8	515.3	515.2	514.7	514.1
152.5°	522.9	522.3	521.7	521.1	521.7	522.3	522.9	523.5	523.6	523.0	522.4
155°	533.9	533.1	532.4	531.6	532.4	533.1	533.9	534.6	534.7	534.2	533.6
157.5°	543.4	542.7	542.0	541.3	542.0	542.7	543.4	544.2	544.2	543.6	543.0
160°	548.9	548.3	547.6	546.9	547.6	548.3	548.9	549.5	549.5	549.0	548.4
162.5°	554.0	553.2	552.4	551.6	552.4	553.2	554.0	554.8	554.8	554.2	553.6
165°	560.5	559.8	559.2	558.5	559.2	559.8	560.5	561.1	561.1	560.5	559.8
167.5°	565.4	564.6	563.7	562.9	563.7	564.6	565.4	566.3	566.3	565.7	565.0
170°	568.0	567.2	566.4	565.5	566.4	567.2	568.0	568.9	568.9	568.3	567.7
172.5°	570.1	569.2	568.4	567.5	568.4	569.2	570.1	570.8	570.9	570.3	569.7
175°	572.0	571.1	570.2	569.3	570.2	571.1	572.0	573.0	573.1	572.4	571.8
177.5°	572.4	571.6	571.0	570.4	571.0	571.6	572.4	573.0	573.1	572.6	572.0
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



TEST NUMBER: P331741-927

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

**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°	9.0	9.0	9.3	9.1	9.0	9.8	10.1	10.4	11.2	12.4	14.2
90°	8.7	8.2	7.5	6.8	6.1	5.3	4.4	3.4	2.5	1.4	0.4
92.5°	9.8	9.6	9.2	8.9	8.5	8.2	8.0	8.1	8.2	8.2	8.3
95°	16.6	16.2	15.4	14.8	14.2	13.5	14.7	17.7	20.8	23.8	26.9
97.5°	21.9	21.5	20.1	18.6	17.1	15.6	19.2	27.7	36.3	44.8	53.3
100°	24.3	23.5	22.0	20.4	18.9	17.3	22.8	35.4	48.0	60.6	73.2
102.5°	25.2	24.2	37.3	50.4	63.5	76.4	84.4	87.0	89.7	92.4	95.0
105°	26.2	25.2	50.3	75.4	100.4	125.6	136.7	134.0	131.2	128.4	125.6
107.5°	34.3	35.3	65.4	95.5	125.6	155.6	169.5	167.3	165.1	162.9	160.7
110°	63.1	72.3	98.9	125.5	152.0	178.6	190.8	188.9	187.0	185.1	183.2



TEST NUMBER: P331741-927

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	148.9	182.5	189.0	195.6	202.2	208.7	211.1	209.5	207.7	206.0	204.3
115°	212.5	255.1	252.8	250.5	248.2	245.9	244.0	242.4	240.8	239.2	237.7
117.5°	272.3	282.5	281.0	279.4	277.8	276.2	274.6	272.8	271.1	269.3	267.6
120°	304.1	303.0	301.3	299.8	298.1	296.4	294.9	293.5	292.2	290.7	289.4
122.5°	323.2	322.6	320.8	318.9	317.1	315.4	313.7	312.3	310.9	309.3	307.9
125°	350.0	349.4	347.6	345.9	344.1	342.4	340.9	339.7	338.5	337.3	336.1
127.5°	374.4	373.5	372.2	370.9	369.6	368.3	366.9	365.6	364.3	363.0	361.6
130°	390.1	389.0	388.0	387.0	386.0	385.0	383.7	382.3	380.8	379.3	377.9
132.5°	405.4	404.6	403.5	402.6	401.6	400.5	399.4	398.2	396.9	395.6	394.4
135°	427.1	426.2	425.4	424.6	423.7	422.9	421.8	420.3	418.8	417.4	415.9
137.5°	447.4	446.5	445.5	444.7	443.7	442.8	441.7	440.7	439.7	438.6	437.7
140°	460.6	459.7	458.7	457.7	456.7	455.7	454.8	454.1	453.4	452.6	451.9
142.5°	472.7	472.0	470.8	469.6	468.5	467.3	466.4	465.7	465.1	464.5	463.7
145°	489.7	489.1	487.5	485.9	484.4	482.8	482.1	482.2	482.3	482.4	482.4
147.5°	504.6	504.1	502.6	501.1	499.5	498.0	497.3	497.7	498.0	498.4	498.8
150°	513.6	513.0	511.6	510.1	508.7	507.2	506.8	507.4	508.0	508.7	509.3
152.5°	521.9	521.3	519.9	518.6	517.1	515.7	515.4	516.1	516.8	517.5	518.2
155°	533.1	532.5	531.4	530.3	529.2	528.1	527.9	528.8	529.6	530.4	531.2
157.5°	542.3	541.8	541.0	540.2	539.4	538.7	538.6	539.3	540.0	540.7	541.4
160°	548.0	547.4	546.8	546.3	545.7	545.2	545.2	545.7	546.3	546.8	547.4
162.5°	552.9	552.3	551.8	551.4	550.9	550.4	550.5	551.0	551.5	552.1	552.6
165°	559.2	558.5	558.3	557.9	557.7	557.5	557.5	558.1	558.6	559.2	559.8
167.5°	564.4	563.7	563.5	563.2	562.9	562.7	562.8	563.4	564.0	564.5	565.1
170°	567.0	566.4	566.2	566.0	565.9	565.6	565.9	566.4	567.0	567.5	568.0
172.5°	569.0	568.4	568.2	568.0	567.8	567.6	567.8	568.4	568.9	569.5	570.1
175°	571.2	570.5	570.3	570.1	570.0	569.8	570.0	570.7	571.3	572.0	572.6
177.5°	571.6	571.0	570.9	570.8	570.8	570.7	570.9	571.5	572.0	572.5	573.0
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



TEST NUMBER: P331741-927

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

**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	9.7	9.4	9.1	9.8	10.0	9.6	9.7	10.4	10.0	10.6
90°	1.4	2.5	3.4	4.4	5.3	6.1	6.8	7.5	8.2	8.7	9.2
92.5°	8.2	8.2	8.1	8.0	8.2	8.5	8.9	9.2	9.6	9.8	10.1
95°	23.8	20.8	17.7	14.7	13.5	14.2	14.8	15.4	16.2	16.6	17.0
97.5°	44.8	36.3	27.7	19.2	15.6	17.1	18.6	20.1	21.5	21.9	22.3
100°	60.6	48.0	35.4	22.8	17.3	18.9	20.4	22.0	23.5	24.3	25.0
102.5°	92.4	89.7	87.0	84.4	76.4	63.5	50.4	37.3	24.2	25.2	26.1
105°	128.4	131.2	134.0	136.7	125.6	100.4	75.4	50.3	25.2	26.2	27.3
107.5°	162.9	165.1	167.3	169.5	155.6	125.6	95.5	65.4	35.3	34.3	33.3
110°	185.1	187.0	188.9	190.8	178.6	152.0	125.5	98.9	72.3	63.1	53.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	206.0	207.7	209.5	211.1	208.7	202.2	195.6	189.0	182.5	148.9	115.4
115°	239.2	240.8	242.4	244.0	245.9	248.2	250.5	252.8	255.1	212.5	170.0
117.5°	269.3	271.1	272.8	274.6	276.2	277.8	279.4	281.0	282.5	272.3	262.0
120°	290.7	292.2	293.5	294.9	296.4	298.1	299.8	301.3	303.0	304.1	305.2
122.5°	309.3	310.9	312.3	313.7	315.4	317.1	318.9	320.8	322.6	323.2	323.8
125°	337.3	338.5	339.7	340.9	342.4	344.1	345.9	347.6	349.4	350.0	350.6
127.5°	363.0	364.3	365.6	366.9	368.3	369.6	370.9	372.2	373.5	374.4	375.3
130°	379.3	380.8	382.3	383.7	385.0	386.0	387.0	388.0	389.0	390.1	391.0
132.5°	395.6	396.9	398.2	399.4	400.5	401.6	402.6	403.5	404.6	405.4	406.3
135°	417.4	418.8	420.3	421.8	422.9	423.7	424.6	425.4	426.2	427.1	428.1
137.5°	438.6	439.7	440.7	441.7	442.8	443.7	444.7	445.5	446.5	447.4	448.3
140°	452.6	453.4	454.1	454.8	455.7	456.7	457.7	458.7	459.7	460.6	461.4
142.5°	464.5	465.1	465.7	466.4	467.3	468.5	469.6	470.8	472.0	472.7	473.5
145°	482.4	482.3	482.2	482.1	482.8	484.4	485.9	487.5	489.1	489.7	490.4
147.5°	498.4	498.0	497.7	497.3	498.0	499.5	501.1	502.6	504.1	504.6	505.1
150°	508.7	508.0	507.4	506.8	507.2	508.7	510.1	511.6	513.0	513.6	514.1
152.5°	517.5	516.8	516.1	515.4	515.7	517.1	518.6	519.9	521.3	521.9	522.4
155°	530.4	529.6	528.8	527.9	528.1	529.2	530.3	531.4	532.5	533.1	533.6
157.5°	540.7	540.0	539.3	538.6	538.7	539.4	540.2	541.0	541.8	542.3	543.0
160°	546.8	546.3	545.7	545.2	545.2	545.7	546.3	546.8	547.4	548.0	548.4
162.5°	552.1	551.5	551.0	550.5	550.4	550.9	551.4	551.8	552.3	552.9	553.6
165°	559.2	558.6	558.1	557.5	557.5	557.7	557.9	558.3	558.5	559.2	559.8
167.5°	564.5	564.0	563.4	562.8	562.7	562.9	563.2	563.5	563.7	564.4	565.0
170°	567.5	567.0	566.4	565.9	565.6	565.9	566.0	566.2	566.4	567.0	567.7
172.5°	569.5	568.9	568.4	567.8	567.6	567.8	568.0	568.2	568.4	569.0	569.7
175°	572.0	571.3	570.7	570.0	569.8	570.0	570.1	570.3	570.5	571.2	571.8
177.5°	572.5	572.0	571.5	570.9	570.7	570.8	570.8	570.9	571.0	571.6	572.0
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3



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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°	10.2	10.3	10.4	10.4	10.4	10.5	10.0
90°	9.7	10.1	10.5	10.6	10.8	11.0	11.2
92.5°	10.3	10.5	10.7	10.9	10.9	11.1	11.2
95°	17.5	18.0	18.1	18.1	18.0	17.9	17.7
97.5°	22.7	23.1	23.3	23.4	23.5	23.6	23.8
100°	25.7	26.5	26.9	27.2	27.3	27.5	27.7
102.5°	27.1	28.0	28.7	28.9	29.2	29.4	29.7
105°	28.3	29.2	29.9	30.3	30.7	31.1	31.4
107.5°	32.2	31.2	30.9	31.2	31.6	31.9	32.3
110°	44.8	35.6	31.2	31.5	31.9	32.3	32.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	81.9	48.4	31.8	32.1	32.4	32.7	33.0
115°	127.5	84.9	60.4	53.7	47.1	40.5	33.9
117.5°	251.7	241.4	225.4	203.6	181.9	160.2	138.4
120°	306.3	307.4	301.8	289.4	277.0	264.6	252.2
122.5°	324.6	325.2	324.3	321.9	319.5	317.1	314.7
125°	351.3	351.9	352.4	352.7	352.9	353.2	353.5
127.5°	376.3	377.2	377.7	377.8	377.9	377.9	378.0
130°	392.1	393.1	393.6	393.4	393.3	393.2	393.2
132.5°	407.2	408.1	408.4	408.3	408.2	408.1	408.1
135°	429.0	429.9	430.3	430.1	429.9	429.8	429.5
137.5°	449.2	450.1	450.4	450.0	449.7	449.5	449.2
140°	462.2	463.0	463.2	462.7	462.3	461.8	461.4
142.5°	474.2	475.0	475.2	474.7	474.2	473.7	473.2
145°	491.0	491.6	491.7	491.3	490.8	490.4	489.9
147.5°	505.6	506.0	506.0	505.7	505.3	504.9	504.5
150°	514.7	515.2	515.3	514.8	514.4	513.9	513.5
152.5°	523.0	523.6	523.5	522.9	522.3	521.7	521.1
155°	534.2	534.7	534.6	533.9	533.1	532.4	531.6
157.5°	543.6	544.2	544.2	543.4	542.7	542.0	541.3
160°	549.0	549.5	549.5	548.9	548.3	547.6	546.9
162.5°	554.2	554.8	554.8	554.0	553.2	552.4	551.6
165°	560.5	561.1	561.1	560.5	559.8	559.2	558.5
167.5°	565.7	566.3	566.3	565.4	564.6	563.7	562.9
170°	568.3	568.9	568.9	568.0	567.2	566.4	565.5
172.5°	570.3	570.9	570.8	570.1	569.2	568.4	567.5
175°	572.4	573.1	573.0	572.0	571.1	570.2	569.3
177.5°	572.6	573.1	573.0	572.4	571.6	571.0	570.4
180°	571.3	571.3	571.3	571.3	571.3	571.3	571.3

(END OF REPORT)