

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: P331743-930

Luminaire Tested: **SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331743-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 530 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4792.1 lumens  
Efficiency: N/A  
Efficacy: 87.0 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

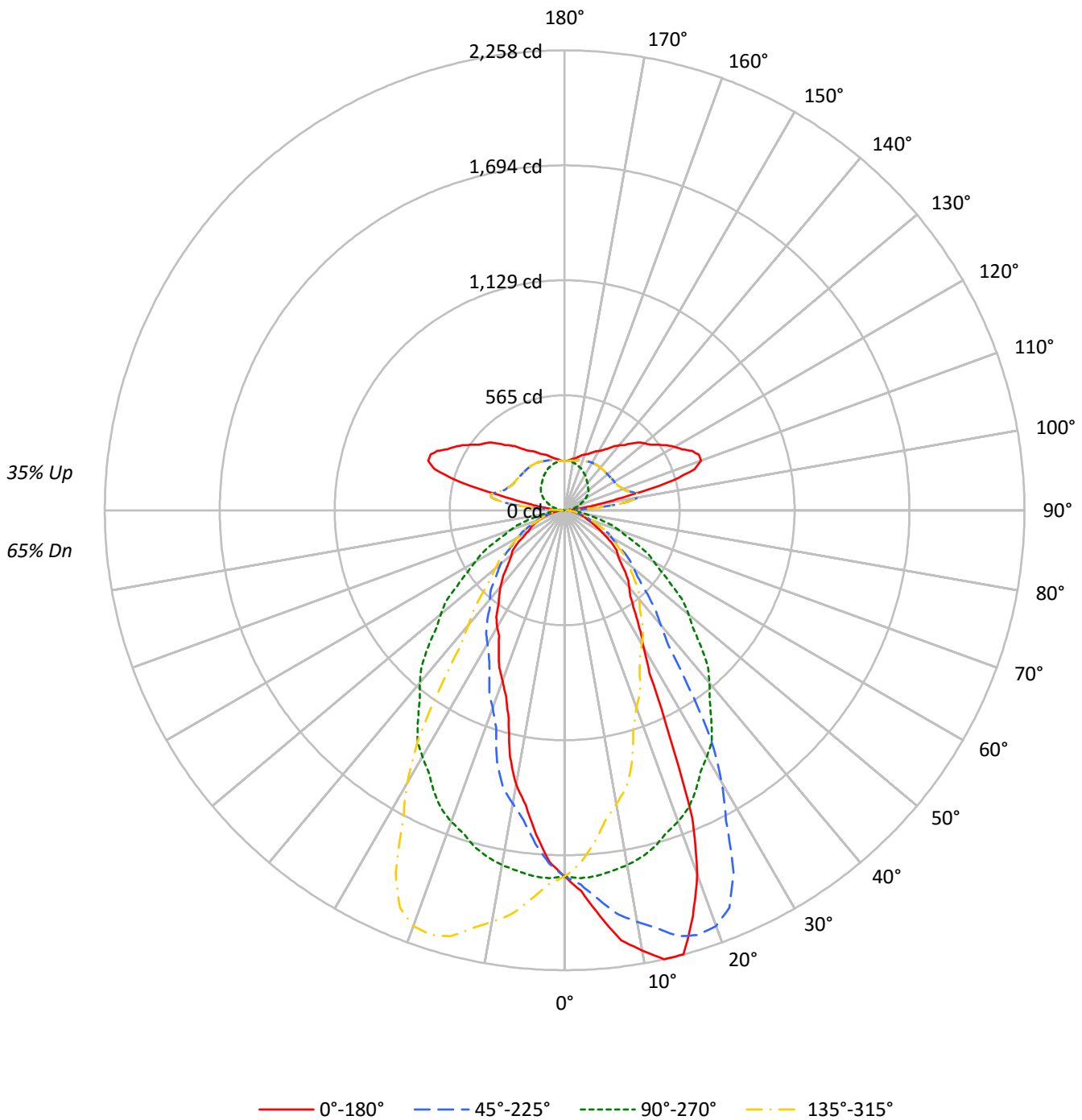
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	102	98	94	91	96	92	89	86	82	80	77	72	70	69	63	62	61	57
2	94	87	81	76	88	82	77	73	73	69	66	65	62	59	57	55	53	49
3	86	77	70	65	81	73	67	62	65	61	57	58	55	51	52	49	46	43
4	80	69	62	56	75	66	59	54	59	54	49	53	49	45	47	44	41	38
5	74	63	55	49	69	59	52	47	54	48	44	48	44	40	43	39	37	34
6	68	57	49	43	64	54	47	42	49	43	39	44	39	36	39	36	33	30
7	64	52	44	39	60	49	42	37	45	39	35	40	36	32	36	33	30	27
8	59	47	40	35	56	45	38	34	41	36	31	37	33	29	34	30	27	25
9	56	44	36	32	52	42	35	31	38	33	29	35	30	27	31	28	25	23
10	52	40	33	29	49	39	32	28	35	30	26	32	28	25	29	26	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	29032	29032	29032	29032
5°	32423	29214	25901	29214
10°	35974	29009	22453	29009
15°	37742	28583	17690	28583
20°	32720	27953	15309	27953
25°	21458	27091	13668	27091
30°	14443	26045	12370	26045
35°	11698	24727	11158	24727
40°	10404	23294	10323	23294
45°	9417	21614	9216	21614
50°	8568	19947	8538	19947
55°	8056	18097	7949	18097
60°	6736	16401	6659	16401
65°	5681	14896	6445	14896
70°	5249	13303	6076	13303
75°	4916	11578	5608	11578
80°	4537	9530	4993	9530
85°	4168	7521	4390	7521



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.4	3.6
10°-20°	474.9	9.9
20°-30°	612.0	12.8
30°-40°	581.6	12.1
40°-50°	498.2	10.4
50°-60°	379.4	7.9
60°-70°	239.9	5.0
70°-80°	119.8	2.5
80°-90°	33.4	0.7
90°-100°	96.7	2.0
100°-110°	328.1	6.8
110°-120°	348.5	7.3
120°-130°	286.9	6.0
130°-140°	230.4	4.8
140°-150°	174.1	3.6
150°-160°	122.4	2.6
160°-170°	72.0	1.5
170°-180°	23.4	0.5
0°-30°	1257.4	26.2
0°-40°	1839.0	38.4
0°-60°	2716.7	56.7
0°-90°	3109.7	64.9
90°-120°	773.2	16.1
90°-150°	1464.6	30.6
90°-180°	1682.0	35.1
0°-180°	4792.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1798	1798	1798	1798	1798	
5°	2000	1802	1598	1802	2000	197
15°	2258	1710	1058	1710	2258	609
25°	1204	1521	767	1521	1204	572
35°	594	1254	566	1254	594	380
45°	412	947	404	947	412	319
55°	286	643	282	643	286	251
65°	149	390	169	390	149	151
75°	79	186	90	186	79	84
85°	22	41	24	41	22	25
90°	15	0	15	0	15	9
95°	53	16	53	16	53	69
105°	524	57	524	57	524	507
115°	690	100	690	100	690	675
125°	559	140	559	140	559	505
135°	464	164	464	164	464	360
145°	370	187	370	187	370	235
155°	311	212	311	212	311	145
165°	273	232	273	232	273	78
175°	246	241	246	241	246	24
180°	242	242	242	242	242	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1871.0	1872.6	1874.0	1870.5	1870.5	1867.5	1861.1	1856.0	1842.1	1840.0	1840.0
5°	2000.5	1999.3	2001.7	1993.7	1982.4	1979.9	1968.1	1952.4	1936.2	1918.1	1914.3
7.5°	2129.2	2127.4	2122.3	2121.0	2112.4	2093.4	2074.4	2054.0	2027.0	2000.7	1987.4
10°	2194.2	2214.8	2202.3	2180.4	2184.8	2155.5	2139.8	2113.0	2090.5	2051.1	2042.4
12.5°	2258.1	2266.3	2262.3	2249.9	2244.3	2223.9	2202.8	2179.5	2138.0	2102.6	2071.8
15°	2257.9	2269.8	2272.9	2269.1	2272.3	2271.0	2259.8	2240.4	2204.2	2165.4	2131.7
17.5°	2091.2	2099.5	2119.9	2133.8	2151.3	2188.3	2206.5	2213.7	2208.3	2186.2	2162.4
20°	1904.3	1890.5	1948.0	1977.4	2002.4	2064.8	2118.6	2139.2	2172.3	2171.7	2165.4
22.5°	1639.4	1642.7	1697.1	1732.0	1805.0	1867.4	1928.7	2006.3	2070.4	2112.7	2137.5
25°	1204.5	1228.3	1282.6	1330.2	1411.4	1527.5	1633.1	1755.6	1871.2	1962.4	2049.3
27.5°	904.7	906.4	949.5	993.4	1041.6	1136.9	1269.7	1416.0	1580.8	1716.8	1873.2
30°	774.7	770.9	789.0	816.0	857.2	930.9	1030.9	1174.6	1338.9	1543.8	1726.2
32.5°	682.7	683.0	696.6	716.5	750.7	800.5	868.9	985.6	1140.9	1342.4	1556.3
35°	593.5	592.9	602.9	617.3	631.6	663.5	710.4	771.6	878.4	1066.5	1285.2
37.5°	529.5	532.3	537.2	546.2	562.1	579.8	607.9	649.0	725.1	836.3	1020.1
40°	493.6	494.8	501.7	509.2	518.5	532.3	555.4	588.6	644.2	732.9	867.2
42.5°	460.6	461.9	466.7	473.7	481.1	494.8	514.0	542.6	587.7	656.9	767.7
45°	412.4	412.4	416.7	419.9	428.0	440.4	456.1	479.8	511.0	562.3	636.0
47.5°	367.1	367.2	370.1	375.5	380.6	390.4	405.7	425.1	447.8	487.5	550.4
50°	341.1	341.8	343.6	348.0	351.1	359.9	371.8	388.6	412.4	443.0	495.5
52.5°	320.2	319.8	322.1	324.0	326.1	332.4	341.3	356.1	377.3	404.0	447.4
55°	286.2	283.6	287.4	290.5	292.4	294.9	299.9	309.2	327.3	349.8	382.4
57.5°	243.7	242.6	245.3	248.2	254.0	260.8	265.1	271.0	280.4	296.5	328.7
60°	208.6	208.6	214.3	216.1	223.1	231.8	240.5	245.6	254.9	265.5	289.3
62.5°	177.7	178.2	180.8	182.7	186.5	197.3	209.5	220.5	229.4	239.5	255.3
65°	148.7	149.9	149.9	151.2	153.7	156.2	161.2	169.9	185.6	199.9	211.8
67.5°	126.2	126.6	126.9	128.2	128.8	131.6	133.5	137.5	141.0	154.7	169.4
70°	111.2	113.1	112.4	113.7	114.3	115.6	118.1	119.9	125.6	128.7	137.5
72.5°	97.2	98.6	98.5	99.2	100.9	101.1	103.1	104.9	108.6	111.2	115.9
75°	78.8	78.1	78.8	80.0	80.6	81.2	81.2	83.7	85.6	88.1	91.2
77.5°	60.7	61.4	61.2	61.4	61.5	62.6	62.5	63.6	65.5	66.7	68.2
80°	48.8	49.3	48.8	49.3	50.0	50.6	50.0	50.6	52.5	53.7	53.7
82.5°	37.7	37.8	38.2	38.4	38.5	38.6	39.5	39.6	41.0	40.8	41.3
85°	22.5	21.9	21.9	21.9	22.5	23.2	22.5	22.5	23.2	23.2	23.2
87.5°	11.1	11.6	11.6	11.6	11.6	11.5	11.3	12.0	11.6	12.1	11.6
90°	15.3	15.3	15.3	15.3	15.3	14.8	13.9	14.8	15.3	15.8	15.3
92.5°	25.8	26.5	26.2	27.6	28.0	30.9	34.8	40.5	51.0	60.4	59.6
95°	53.0	52.5	54.0	57.6	63.7	73.9	93.4	121.8	159.5	182.3	161.3
97.5°	104.4	108.3	115.0	126.5	148.7	182.3	232.6	284.3	326.4	311.1	234.3
100°	166.5	174.8	188.3	208.3	246.9	303.1	366.9	424.5	434.2	367.3	252.9
102.5°	292.9	304.3	321.1	355.2	397.1	456.8	503.4	516.4	474.4	369.2	245.9
105°	524.0	530.5	550.5	579.4	608.1	623.5	617.4	564.9	468.2	344.5	232.0
107.5°	669.4	678.0	682.0	683.5	680.0	657.5	609.1	529.9	427.4	318.1	225.1
110°	713.2	713.7	709.6	700.7	680.7	642.5	583.0	499.9	401.7	305.5	223.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	712.5	710.0	702.1	687.3	659.5	615.8	552.2	472.3	383.8	297.3	224.0
115°	689.5	685.3	673.3	651.8	618.9	571.0	510.1	438.5	361.7	288.3	226.0
117.5°	648.5	645.0	632.3	609.7	576.0	531.1	475.8	412.9	347.8	283.9	229.3
120°	622.1	617.4	604.0	582.1	549.6	507.3	458.0	400.3	340.4	281.3	231.5
122.5°	594.6	590.7	578.7	557.2	528.0	489.8	443.1	390.3	334.0	279.8	234.2
125°	559.4	555.6	544.0	526.4	499.4	464.5	423.5	375.7	325.0	277.1	238.1
127.5°	528.5	525.5	515.4	498.9	475.4	443.2	404.6	361.3	316.7	275.6	242.1
130°	510.9	507.3	498.0	482.2	459.3	428.7	392.0	352.0	311.0	274.8	245.0
132.5°	492.8	489.4	480.9	465.0	442.6	413.8	380.1	343.1	306.6	274.4	248.0
135°	463.6	461.7	453.3	438.0	418.0	392.0	361.3	330.6	300.4	273.9	251.5
137.5°	434.9	432.1	424.8	411.6	393.4	370.6	346.3	320.7	296.0	273.8	254.7
140°	415.2	412.4	405.4	393.4	378.5	358.0	336.6	314.3	293.4	273.4	256.2
142.5°	395.5	394.9	388.7	377.7	363.6	346.5	328.1	309.1	290.8	273.4	257.3
145°	370.1	368.7	364.0	356.1	345.0	331.5	317.1	301.7	287.3	272.5	258.5
147.5°	348.8	348.0	344.8	338.5	329.3	319.4	308.2	296.1	283.8	270.8	258.9
150°	336.1	335.7	332.9	327.3	320.3	312.0	302.2	292.0	280.9	269.7	258.5
152.5°	325.4	325.3	323.3	318.4	312.9	305.7	297.4	287.9	278.3	267.8	257.8
155°	311.0	312.0	310.1	306.9	301.7	296.6	289.7	282.3	273.4	264.6	256.7
157.5°	298.9	298.9	298.1	295.3	291.7	287.7	281.8	275.7	268.8	261.2	254.5
160°	291.1	291.1	290.6	288.3	285.0	281.8	276.6	271.5	265.5	259.0	253.4
162.5°	283.6	284.0	283.6	281.9	278.7	276.2	271.8	267.4	262.5	257.1	252.3
165°	273.0	273.4	273.4	271.5	269.7	267.8	264.6	261.3	257.6	253.4	250.1
167.5°	263.1	263.7	263.7	262.7	261.9	260.2	258.0	255.4	252.7	250.1	248.0
170°	257.1	258.0	258.5	257.1	256.7	255.8	253.9	252.5	250.1	248.3	246.9
172.5°	252.3	252.8	253.3	252.7	252.2	251.6	250.1	249.2	247.5	246.1	245.4
175°	246.0	246.9	247.4	246.9	246.9	246.5	246.0	245.5	244.1	243.6	243.2
177.5°	242.1	242.9	243.3	243.3	243.3	243.3	242.9	242.9	242.1	241.7	242.1
180°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1841.1	1837.0	1833.6	1824.6	1820.1	1810.0	1808.6	1808.1	1795.1	1782.6	1779.1
5°	1904.3	1894.3	1879.3	1861.8	1843.7	1825.0	1812.5	1802.5	1777.4	1753.7	1740.0
7.5°	1968.1	1946.5	1920.7	1887.6	1859.9	1829.0	1806.0	1785.3	1749.9	1715.9	1693.0
10°	2015.5	1980.5	1946.1	1900.5	1864.9	1829.9	1797.5	1769.4	1729.3	1684.4	1652.5
12.5°	2045.0	2006.5	1959.2	1914.6	1868.4	1824.0	1780.5	1744.3	1697.4	1650.9	1613.1
15°	2084.9	2043.6	1986.2	1922.4	1863.0	1805.0	1755.0	1710.0	1648.8	1593.2	1546.9
17.5°	2117.5	2060.8	1999.0	1925.3	1856.6	1782.7	1718.4	1660.9	1592.8	1525.7	1471.2
20°	2127.9	2071.8	2000.5	1926.8	1845.6	1758.8	1689.4	1626.9	1553.8	1480.7	1418.2
22.5°	2121.5	2077.7	1998.5	1910.3	1827.1	1736.3	1657.9	1585.4	1504.3	1429.7	1357.2
25°	2077.4	2062.4	1987.4	1891.2	1796.2	1690.6	1600.0	1520.7	1428.2	1348.3	1269.5
27.5°	1974.5	2006.9	1960.4	1857.9	1752.3	1639.2	1537.3	1447.0	1351.0	1261.0	1182.6
30°	1875.6	1949.9	1929.9	1834.9	1716.9	1605.7	1491.3	1397.0	1294.5	1202.1	1124.6
32.5°	1740.1	1863.0	1882.4	1803.0	1680.9	1558.7	1438.8	1345.0	1238.0	1140.6	1065.1
35°	1524.4	1708.1	1792.4	1741.9	1619.4	1487.6	1363.8	1254.5	1147.0	1050.8	975.9
37.5°	1267.1	1517.4	1657.9	1661.5	1549.1	1412.0	1277.2	1168.7	1058.7	964.3	883.2
40°	1100.2	1371.3	1554.4	1595.1	1500.1	1352.0	1215.8	1105.2	997.8	905.3	812.2
42.5°	950.3	1220.4	1445.4	1516.0	1440.6	1293.6	1156.8	1041.2	936.8	849.3	754.2
45°	768.5	1004.6	1252.6	1378.8	1337.0	1200.8	1056.5	946.6	848.4	772.8	681.6
47.5°	648.2	814.7	1054.8	1225.4	1224.7	1100.3	958.4	853.0	762.1	691.2	617.4
50°	579.8	724.7	927.8	1121.4	1137.7	1033.4	898.4	794.1	709.1	634.8	575.4
52.5°	518.3	637.7	820.4	1006.0	1052.2	961.9	831.0	734.6	652.2	583.8	533.0
55°	438.0	530.4	669.1	842.8	912.8	849.1	732.9	642.9	576.0	518.5	474.8
57.5°	370.5	439.9	551.1	691.0	772.5	732.4	636.5	563.5	506.2	454.2	419.7
60°	328.0	384.8	479.2	596.1	686.0	657.9	576.0	507.9	459.2	414.3	381.7
62.5°	288.0	336.9	417.8	512.6	595.0	583.4	516.6	459.4	416.7	375.8	348.2
65°	231.8	267.4	330.5	404.9	471.1	476.7	428.6	389.9	351.7	319.3	294.9
67.5°	184.6	207.8	252.3	314.9	364.5	382.2	352.9	323.3	293.0	267.9	246.8
70°	155.6	174.3	206.8	257.4	303.0	321.7	304.9	281.8	255.5	234.9	216.8
72.5°	126.0	144.3	168.3	205.5	244.5	264.8	258.9	242.3	221.0	203.9	186.8
75°	95.0	100.6	116.8	141.9	172.4	190.0	194.3	185.6	168.7	155.6	145.5
77.5°	70.2	73.6	81.4	94.5	114.5	130.0	136.5	135.4	123.8	116.2	106.8
80°	56.3	58.1	61.9	67.5	82.5	98.1	102.5	102.5	94.3	91.2	81.9
82.5°	42.7	44.1	46.4	49.5	56.5	70.1	75.0	76.0	70.8	66.7	59.4
85°	24.4	23.7	25.0	26.9	28.1	31.9	39.4	40.6	39.4	34.3	32.4
87.5°	11.0	10.8	10.4	9.6	9.9	10.3	12.4	14.6	12.9	11.7	10.9
90°	12.6	9.3	7.0	5.5	4.6	3.8	1.9	0.5	1.9	3.8	4.6
92.5°	46.4	31.6	21.1	16.7	13.6	11.5	8.2	5.7	8.2	11.5	13.6
95°	107.4	66.9	45.6	34.4	27.0	22.7	18.1	16.3	18.1	22.7	27.0
97.5°	144.7	88.4	61.5	48.8	40.3	33.9	29.0	26.5	29.0	33.9	40.3
100°	152.5	95.8	71.2	58.1	48.8	41.4	37.2	35.8	37.2	41.4	48.8
102.5°	152.9	102.5	79.7	66.7	57.0	49.6	45.4	44.4	45.4	49.6	57.0
105°	155.3	113.9	92.0	79.0	68.8	61.8	58.6	56.7	58.6	61.8	68.8
107.5°	161.7	125.6	104.4	91.3	81.2	74.8	71.6	70.1	71.6	74.8	81.2
110°	166.9	133.5	113.0	99.5	89.8	83.7	80.9	79.0	80.9	83.7	89.8





TEST NUMBER: P331743-930

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	172.5	140.9	121.2	107.3	97.9	92.2	89.1	87.2	89.1	92.2	97.9
115°	180.8	152.5	132.5	119.9	110.6	105.1	102.3	100.0	102.3	105.1	110.6
117.5°	189.8	163.2	144.7	131.7	122.8	117.8	115.0	113.2	115.0	117.8	122.8
120°	195.8	170.6	152.5	139.5	130.2	126.0	123.2	121.3	123.2	126.0	130.2
122.5°	201.0	177.7	160.7	147.3	138.0	133.5	130.7	129.1	130.7	133.5	138.0
125°	209.2	188.3	171.5	158.6	149.3	143.7	140.9	139.5	140.9	143.7	149.3
127.5°	217.0	198.2	181.9	168.5	159.6	153.4	149.5	147.7	149.5	153.4	159.6
130°	221.8	204.2	187.8	174.8	165.5	159.0	154.3	152.5	154.3	159.0	165.5
132.5°	226.7	209.3	193.8	180.8	171.1	164.2	159.2	156.9	159.2	164.2	171.1
135°	232.9	216.7	201.8	188.7	178.1	171.1	165.5	163.6	165.5	171.1	178.1
137.5°	237.7	222.7	207.9	195.8	185.2	177.8	172.2	170.0	172.2	177.8	185.2
140°	240.4	226.0	212.1	199.9	189.7	182.3	176.7	174.8	176.7	182.3	189.7
142.5°	242.6	228.6	215.0	203.7	193.8	186.4	181.2	179.7	181.2	186.4	193.8
145°	245.5	232.4	219.9	209.7	200.4	193.4	188.7	186.9	188.7	193.4	200.4
147.5°	247.1	235.6	223.8	214.7	207.0	200.6	196.1	194.7	196.1	200.6	207.0
150°	247.9	237.1	226.4	218.1	211.1	205.0	201.3	199.9	201.3	205.0	211.1
152.5°	248.2	238.6	229.0	221.4	214.8	209.5	205.8	205.1	205.8	209.5	214.8
155°	248.7	240.8	232.9	226.0	220.9	215.7	213.0	212.5	213.0	215.7	220.9
157.5°	248.7	242.4	235.7	229.9	225.8	221.4	219.1	218.6	219.1	221.4	225.8
160°	248.7	243.2	237.6	232.4	228.8	225.0	223.1	222.7	223.1	225.0	228.8
162.5°	248.3	243.5	238.7	234.7	231.4	228.4	226.5	226.8	226.5	228.4	231.4
165°	247.4	244.1	239.9	237.1	234.8	232.0	231.1	231.5	231.1	232.0	234.8
167.5°	246.7	244.0	240.9	239.2	237.5	235.7	234.9	235.5	234.9	235.7	237.5
170°	246.0	243.6	241.3	239.9	239.0	237.6	237.1	238.1	237.1	237.6	239.0
172.5°	244.8	243.3	241.7	240.7	240.1	238.7	239.0	239.5	239.0	238.7	240.1
175°	243.6	242.7	241.7	241.3	241.3	240.4	240.8	241.3	240.8	240.4	241.3
177.5°	242.9	242.1	241.7	241.7	241.7	241.0	241.4	242.1	241.4	241.0	241.7
180°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7



TEST NUMBER: P331743-930

CATALOG NUMBER: SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1772.6	1769.1	1762.6	1752.6	1746.6	1736.1	1729.1	1733.1	1734.1	1733.1	1732.1
5°	1725.0	1711.9	1693.8	1676.3	1660.0	1642.5	1632.6	1628.2	1619.4	1614.4	1611.9
7.5°	1667.4	1644.8	1619.2	1588.7	1562.8	1535.7	1521.8	1514.9	1497.1	1487.4	1478.8
10°	1624.4	1588.8	1563.2	1523.2	1498.8	1463.2	1438.8	1439.5	1415.1	1401.3	1391.4
12.5°	1577.0	1537.8	1495.2	1459.2	1425.4	1396.8	1367.3	1355.5	1329.7	1316.4	1289.4
15°	1498.2	1452.6	1407.6	1358.9	1324.5	1280.2	1237.7	1185.9	1143.9	1107.7	1097.7
17.5°	1412.3	1355.8	1310.7	1253.4	1194.6	1120.0	1070.7	1040.6	1015.4	996.3	982.0
20°	1353.2	1295.8	1247.7	1161.5	1082.1	1031.5	995.2	972.2	945.9	925.3	914.0
22.5°	1291.3	1231.3	1165.7	1069.5	1007.6	967.0	934.7	908.2	890.4	874.3	864.1
25°	1203.3	1137.7	1029.6	963.4	913.4	870.9	848.4	832.2	813.4	791.6	781.6
27.5°	1110.4	1006.0	928.4	879.1	831.4	803.8	783.6	759.4	742.6	732.7	722.4
30°	1040.9	936.5	876.0	822.2	788.5	757.8	734.1	720.4	704.1	687.2	680.4
32.5°	963.4	880.0	822.0	777.2	743.0	716.9	698.1	675.9	664.1	653.8	639.4
35°	867.2	804.0	751.0	714.8	682.2	661.0	639.1	626.0	604.8	596.1	590.4
37.5°	785.7	731.0	691.4	653.1	627.4	603.9	590.5	569.6	560.4	548.3	536.5
40°	739.7	686.0	647.9	616.6	587.9	570.4	553.5	536.7	522.9	517.3	503.0
42.5°	692.8	649.0	610.9	576.7	557.4	538.9	517.6	505.2	491.0	481.8	473.0
45°	627.9	589.1	556.7	528.6	507.3	488.0	474.2	453.6	445.5	427.4	419.9
47.5°	571.0	534.9	503.9	477.2	456.5	443.8	423.7	407.6	394.6	383.5	373.9
50°	530.4	500.4	470.4	446.7	428.0	409.9	389.2	381.1	361.1	355.5	349.8
52.5°	493.4	465.0	437.5	414.3	395.5	377.9	359.7	349.1	335.7	330.0	325.9
55°	441.7	414.3	388.0	367.4	348.6	330.5	319.3	306.1	299.9	295.5	290.5
57.5°	389.7	365.0	344.9	324.0	305.2	290.7	277.8	269.9	263.4	257.6	251.7
60°	356.8	333.0	314.9	295.5	276.1	264.2	254.3	244.9	237.4	228.7	226.2
62.5°	321.7	301.0	284.4	265.5	248.7	237.8	228.3	219.4	210.4	197.7	194.2
65°	273.6	257.4	239.9	224.3	209.3	198.7	184.9	175.0	171.2	169.9	169.3
67.5°	230.2	214.8	199.8	183.8	170.2	160.3	153.4	151.8	149.2	148.5	146.7
70°	201.2	186.8	171.8	156.8	143.7	141.9	139.3	136.8	133.7	132.5	131.2
72.5°	175.2	160.3	145.3	133.3	127.7	125.3	122.9	120.3	118.2	117.0	116.2
75°	134.4	120.6	110.6	106.2	103.1	101.2	97.4	95.6	94.3	92.5	91.8
77.5°	96.7	88.9	84.4	81.6	78.4	76.3	74.2	72.3	71.0	70.6	69.6
80°	73.7	70.0	66.9	63.1	61.9	59.4	58.7	56.8	57.5	55.6	55.6
82.5°	57.2	52.5	49.9	48.1	46.9	44.8	44.3	43.4	43.5	42.1	42.1
85°	29.4	28.1	26.9	25.6	25.6	23.7	24.4	23.7	23.7	22.5	21.9
87.5°	10.6	10.4	9.9	10.5	11.1	10.7	10.6	9.9	9.8	9.9	9.5
90°	5.5	7.0	9.3	12.6	15.3	15.8	15.3	14.8	13.9	14.8	15.3
92.5°	16.7	21.1	31.6	46.4	59.6	60.4	51.0	40.5	34.8	30.9	28.0
95°	34.4	45.6	66.9	107.4	161.3	182.3	159.5	121.8	93.4	73.9	63.7
97.5°	48.8	61.5	88.4	144.7	234.3	311.1	326.4	284.3	232.6	182.3	148.7
100°	58.1	71.2	95.8	152.5	252.9	367.3	434.2	424.5	366.9	303.1	246.9
102.5°	66.7	79.7	102.5	152.9	245.9	369.2	474.4	516.4	503.4	456.8	397.1
105°	79.0	92.0	113.9	155.3	232.0	344.5	468.2	564.9	617.4	623.5	608.1
107.5°	91.3	104.4	125.6	161.7	225.1	318.1	427.4	529.9	609.1	657.5	680.0
110°	99.5	113.0	133.5	166.9	223.6	305.5	401.7	499.9	583.0	642.5	680.7



TEST NUMBER: P331743-930

CATALOG NUMBER: SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	107.3	121.2	140.9	172.5	224.0	297.3	383.8	472.3	552.2	615.8	659.5
115°	119.9	132.5	152.5	180.8	226.0	288.3	361.7	438.5	510.1	571.0	618.9
117.5°	131.7	144.7	163.2	189.8	229.3	283.9	347.8	412.9	475.8	531.1	576.0
120°	139.5	152.5	170.6	195.8	231.5	281.3	340.4	400.3	458.0	507.3	549.6
122.5°	147.3	160.7	177.7	201.0	234.2	279.8	334.0	390.3	443.1	489.8	528.0
125°	158.6	171.5	188.3	209.2	238.1	277.1	325.0	375.7	423.5	464.5	499.4
127.5°	168.5	181.9	198.2	217.0	242.1	275.6	316.7	361.3	404.6	443.2	475.4
130°	174.8	187.8	204.2	221.8	245.0	274.8	311.0	352.0	392.0	428.7	459.3
132.5°	180.8	193.8	209.3	226.7	248.0	274.4	306.6	343.1	380.1	413.8	442.6
135°	188.7	201.8	216.7	232.9	251.5	273.9	300.4	330.6	361.3	392.0	418.0
137.5°	195.8	207.9	222.7	237.7	254.7	273.8	296.0	320.7	346.3	370.6	393.4
140°	199.9	212.1	226.0	240.4	256.2	273.4	293.4	314.3	336.6	358.0	378.5
142.5°	203.7	215.0	228.6	242.6	257.3	273.4	290.8	309.1	328.1	346.5	363.6
145°	209.7	219.9	232.4	245.5	258.5	272.5	287.3	301.7	317.1	331.5	345.0
147.5°	214.7	223.8	235.6	247.1	258.9	270.8	283.8	296.1	308.2	319.4	329.3
150°	218.1	226.4	237.1	247.9	258.5	269.7	280.9	292.0	302.2	312.0	320.3
152.5°	221.4	229.0	238.6	248.2	257.8	267.8	278.3	287.9	297.4	305.7	312.9
155°	226.0	232.9	240.8	248.7	256.7	264.6	273.4	282.3	289.7	296.6	301.7
157.5°	229.9	235.7	242.4	248.7	254.5	261.2	268.8	275.7	281.8	287.7	291.7
160°	232.4	237.6	243.2	248.7	253.4	259.0	265.5	271.5	276.6	281.8	285.0
162.5°	234.7	238.7	243.5	248.3	252.3	257.1	262.5	267.4	271.8	276.2	278.7
165°	237.1	239.9	244.1	247.4	250.1	253.4	257.6	261.3	264.6	267.8	269.7
167.5°	239.2	240.9	244.0	246.7	248.0	250.1	252.7	255.4	258.0	260.2	261.9
170°	239.9	241.3	243.6	246.0	246.9	248.3	250.1	252.5	253.9	255.8	256.7
172.5°	240.7	241.7	243.3	244.8	245.4	246.1	247.5	249.2	250.1	251.6	252.2
175°	241.3	241.7	242.7	243.6	243.2	243.6	244.1	245.5	246.0	246.5	246.9
177.5°	241.7	241.7	242.1	242.9	242.1	241.7	242.1	242.9	242.9	243.3	243.3
180°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7



TEST NUMBER: P331743-930

CATALOG NUMBER: SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1726.6	1727.6	1726.2	1727.1	1726.2	1727.6	1726.6	1732.1	1733.1	1734.1	1733.1
5°	1608.7	1601.2	1600.0	1598.1	1600.0	1601.2	1608.7	1611.9	1614.4	1619.4	1628.2
7.5°	1468.1	1467.0	1463.9	1459.5	1463.9	1467.0	1468.1	1478.8	1487.4	1497.1	1514.9
10°	1377.6	1374.5	1373.9	1369.5	1373.9	1374.5	1377.6	1391.4	1401.3	1415.1	1439.5
12.5°	1271.6	1251.6	1249.4	1238.5	1249.4	1251.6	1271.6	1289.4	1316.4	1329.7	1355.5
15°	1082.7	1079.0	1066.5	1058.3	1066.5	1079.0	1082.7	1097.7	1107.7	1143.9	1185.9
17.5°	974.8	962.5	958.6	956.9	958.6	962.5	974.8	982.0	996.3	1015.4	1040.6
20°	905.3	894.1	892.2	891.0	892.2	894.1	905.3	914.0	925.3	945.9	972.2
22.5°	857.3	845.5	840.7	836.9	840.7	845.5	857.3	864.1	874.3	890.4	908.2
25°	775.3	770.9	768.5	767.2	768.5	770.9	775.3	781.6	791.6	813.4	832.2
27.5°	711.3	701.6	699.8	696.5	699.8	701.6	711.3	722.4	732.7	742.6	759.4
30°	674.7	671.6	667.2	663.5	667.2	671.6	674.7	680.4	687.2	704.1	720.4
32.5°	631.8	629.2	625.3	623.5	625.3	629.2	631.8	639.4	653.8	664.1	675.9
35°	584.2	575.4	571.7	566.1	571.7	575.4	584.2	590.4	596.1	604.8	626.0
37.5°	533.8	529.2	523.9	525.8	523.9	529.2	533.8	536.5	548.3	560.4	569.6
40°	494.8	491.7	490.5	489.8	490.5	491.7	494.8	503.0	517.3	522.9	536.7
42.5°	463.8	455.2	451.9	451.8	451.9	455.2	463.8	473.0	481.8	491.0	505.2
45°	416.7	408.6	403.0	403.6	403.0	408.6	416.7	419.9	427.4	445.5	453.6
47.5°	368.5	368.3	364.8	365.8	364.8	368.3	368.5	373.9	383.5	394.6	407.6
50°	345.5	341.8	339.2	339.9	339.2	341.8	345.5	349.8	355.5	361.1	381.1
52.5°	323.5	320.2	318.3	320.9	318.3	320.2	323.5	325.9	330.0	335.7	349.1
55°	287.4	283.6	283.0	282.4	283.0	283.6	287.4	290.5	295.5	299.9	306.1
57.5°	247.0	244.5	240.8	239.1	240.8	244.5	247.0	251.7	257.6	263.4	269.9
60°	218.0	213.0	206.8	206.2	206.8	213.0	218.0	226.2	228.7	237.4	244.9
62.5°	191.5	190.5	189.3	189.1	189.3	190.5	191.5	194.2	197.7	210.4	219.4
65°	168.0	167.5	168.0	168.7	168.0	167.5	168.0	169.3	169.9	171.2	175.0
67.5°	146.4	145.3	144.2	144.7	144.2	145.3	146.4	146.7	148.5	149.2	151.8
70°	130.0	129.3	128.7	128.7	128.7	129.3	130.0	131.2	132.5	133.7	136.8
72.5°	114.0	113.8	113.2	112.7	113.2	113.8	114.0	116.2	117.0	118.2	120.3
75°	91.2	89.9	89.9	89.9	89.9	89.9	91.2	91.8	92.5	94.3	95.6
77.5°	69.5	68.8	68.2	67.8	68.2	68.8	69.5	69.6	70.6	71.0	72.3
80°	55.0	54.4	53.7	53.7	53.7	54.4	55.0	55.6	55.6	57.5	56.8
82.5°	42.0	41.3	41.3	40.8	41.3	41.3	42.0	42.1	42.1	43.5	43.4
85°	22.5	23.2	22.5	23.7	22.5	23.2	22.5	21.9	22.5	23.7	23.7
87.5°	9.5	9.0	9.5	9.0	9.5	9.0	9.5	9.5	9.9	9.8	9.9
90°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	14.8	13.9	14.8
92.5°	27.6	26.2	26.5	25.8	26.5	26.2	27.6	28.0	30.9	34.8	40.5
95°	57.6	54.0	52.5	53.0	52.5	54.0	57.6	63.7	73.9	93.4	121.8
97.5°	126.5	115.0	108.3	104.4	108.3	115.0	126.5	148.7	182.3	232.6	284.3
100°	208.3	188.3	174.8	166.5	174.8	188.3	208.3	246.9	303.1	366.9	424.5
102.5°	355.2	321.1	304.3	292.9	304.3	321.1	355.2	397.1	456.8	503.4	516.4
105°	579.4	550.5	530.5	524.0	530.5	550.5	579.4	608.1	623.5	617.4	564.9
107.5°	683.5	682.0	678.0	669.4	678.0	682.0	683.5	680.0	657.5	609.1	529.9
110°	700.7	709.6	713.7	713.2	713.7	709.6	700.7	680.7	642.5	583.0	499.9



TEST NUMBER: P331743-930

CATALOG NUMBER: SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	687.3	702.1	710.0	712.5	710.0	702.1	687.3	659.5	615.8	552.2	472.3
115°	651.8	673.3	685.3	689.5	685.3	673.3	651.8	618.9	571.0	510.1	438.5
117.5°	609.7	632.3	645.0	648.5	645.0	632.3	609.7	576.0	531.1	475.8	412.9
120°	582.1	604.0	617.4	622.1	617.4	604.0	582.1	549.6	507.3	458.0	400.3
122.5°	557.2	578.7	590.7	594.6	590.7	578.7	557.2	528.0	489.8	443.1	390.3
125°	526.4	544.0	555.6	559.4	555.6	544.0	526.4	499.4	464.5	423.5	375.7
127.5°	498.9	515.4	525.5	528.5	525.5	515.4	498.9	475.4	443.2	404.6	361.3
130°	482.2	498.0	507.3	510.9	507.3	498.0	482.2	459.3	428.7	392.0	352.0
132.5°	465.0	480.9	489.4	492.8	489.4	480.9	465.0	442.6	413.8	380.1	343.1
135°	438.0	453.3	461.7	463.6	461.7	453.3	438.0	418.0	392.0	361.3	330.6
137.5°	411.6	424.8	432.1	434.9	432.1	424.8	411.6	393.4	370.6	346.3	320.7
140°	393.4	405.4	412.4	415.2	412.4	405.4	393.4	378.5	358.0	336.6	314.3
142.5°	377.7	388.7	394.9	395.5	394.9	388.7	377.7	363.6	346.5	328.1	309.1
145°	356.1	364.0	368.7	370.1	368.7	364.0	356.1	345.0	331.5	317.1	301.7
147.5°	338.5	344.8	348.0	348.8	348.0	344.8	338.5	329.3	319.4	308.2	296.1
150°	327.3	332.9	335.7	336.1	335.7	332.9	327.3	320.3	312.0	302.2	292.0
152.5°	318.4	323.3	325.3	325.4	325.3	323.3	318.4	312.9	305.7	297.4	287.9
155°	306.9	310.1	312.0	311.0	312.0	310.1	306.9	301.7	296.6	289.7	282.3
157.5°	295.3	298.1	298.9	298.9	298.9	298.1	295.3	291.7	287.7	281.8	275.7
160°	288.3	290.6	291.1	291.1	291.1	290.6	288.3	285.0	281.8	276.6	271.5
162.5°	281.9	283.6	284.0	283.6	284.0	283.6	281.9	278.7	276.2	271.8	267.4
165°	271.5	273.4	273.4	273.0	273.4	273.4	271.5	269.7	267.8	264.6	261.3
167.5°	262.7	263.7	263.7	263.1	263.7	263.7	262.7	261.9	260.2	258.0	255.4
170°	257.1	258.5	258.0	257.1	258.0	258.5	257.1	256.7	255.8	253.9	252.5
172.5°	252.7	253.3	252.8	252.3	252.8	253.3	252.7	252.2	251.6	250.1	249.2
175°	246.9	247.4	246.9	246.0	246.9	247.4	246.9	246.9	246.5	246.0	245.5
177.5°	243.3	243.3	242.9	242.1	242.9	243.3	243.3	243.3	243.3	242.9	242.9
180°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7



TEST NUMBER: P331743-930

CATALOG NUMBER: SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1729.1	1736.1	1746.6	1752.6	1762.6	1769.1	1772.6	1779.1	1782.6	1795.1	1808.1
5°	1632.6	1642.5	1660.0	1676.3	1693.8	1711.9	1725.0	1740.0	1753.7	1777.4	1802.5
7.5°	1521.8	1535.7	1562.8	1588.7	1619.2	1644.8	1667.4	1693.0	1715.9	1749.9	1785.3
10°	1438.8	1463.2	1498.8	1523.2	1563.2	1588.8	1624.4	1652.5	1684.4	1729.3	1769.4
12.5°	1367.3	1396.8	1425.4	1459.2	1495.2	1537.8	1577.0	1613.1	1650.9	1697.4	1744.3
15°	1237.7	1280.2	1324.5	1358.9	1407.6	1452.6	1498.2	1546.9	1593.2	1648.8	1710.0
17.5°	1070.7	1120.0	1194.6	1253.4	1310.7	1355.8	1412.3	1471.2	1525.7	1592.8	1660.9
20°	995.2	1031.5	1082.1	1161.5	1247.7	1295.8	1353.2	1418.2	1480.7	1553.8	1626.9
22.5°	934.7	967.0	1007.6	1069.5	1165.7	1231.3	1291.3	1357.2	1429.7	1504.3	1585.4
25°	848.4	870.9	913.4	963.4	1029.6	1137.7	1203.3	1269.5	1348.3	1428.2	1520.7
27.5°	783.6	803.8	831.4	879.1	928.4	1006.0	1110.4	1182.6	1261.0	1351.0	1447.0
30°	734.1	757.8	788.5	822.2	876.0	936.5	1040.9	1124.6	1202.1	1294.5	1397.0
32.5°	698.1	716.9	743.0	777.2	822.0	880.0	963.4	1065.1	1140.6	1238.0	1345.0
35°	639.1	661.0	682.2	714.8	751.0	804.0	867.2	975.9	1050.8	1147.0	1254.5
37.5°	590.5	603.9	627.4	653.1	691.4	731.0	785.7	883.2	964.3	1058.7	1168.7
40°	553.5	570.4	587.9	616.6	647.9	686.0	739.7	812.2	905.3	997.8	1105.2
42.5°	517.6	538.9	557.4	576.7	610.9	649.0	692.8	754.2	849.3	936.8	1041.2
45°	474.2	488.0	507.3	528.6	556.7	589.1	627.9	681.6	772.8	848.4	946.6
47.5°	423.7	443.8	456.5	477.2	503.9	534.9	571.0	617.4	691.2	762.1	853.0
50°	389.2	409.9	428.0	446.7	470.4	500.4	530.4	575.4	634.8	709.1	794.1
52.5°	359.7	377.9	395.5	414.3	437.5	465.0	493.4	533.0	583.8	652.2	734.6
55°	319.3	330.5	348.6	367.4	388.0	414.3	441.7	474.8	518.5	576.0	642.9
57.5°	277.8	290.7	305.2	324.0	344.9	365.0	389.7	419.7	454.2	506.2	563.5
60°	254.3	264.2	276.1	295.5	314.9	333.0	356.8	381.7	414.3	459.2	507.9
62.5°	228.3	237.8	248.7	265.5	284.4	301.0	321.7	348.2	375.8	416.7	459.4
65°	184.9	198.7	209.3	224.3	239.9	257.4	273.6	294.9	319.3	351.7	389.9
67.5°	153.4	160.3	170.2	183.8	199.8	214.8	230.2	246.8	267.9	293.0	323.3
70°	139.3	141.9	143.7	156.8	171.8	186.8	201.2	216.8	234.9	255.5	281.8
72.5°	122.9	125.3	127.7	133.3	145.3	160.3	175.2	186.8	203.9	221.0	242.3
75°	97.4	101.2	103.1	106.2	110.6	120.6	134.4	145.5	155.6	168.7	185.6
77.5°	74.2	76.3	78.4	81.6	84.4	88.9	96.7	106.8	116.2	123.8	135.4
80°	58.7	59.4	61.9	63.1	66.9	70.0	73.7	81.9	91.2	94.3	102.5
82.5°	44.3	44.8	46.9	48.1	49.9	52.5	57.2	59.4	66.7	70.8	76.0
85°	24.4	23.7	25.6	25.6	26.9	28.1	29.4	32.4	34.3	39.4	40.6
87.5°	10.6	10.7	11.1	10.5	9.9	10.4	10.6	10.9	11.7	12.9	14.6
90°	15.3	15.8	15.3	12.6	9.3	7.0	5.5	4.6	3.8	1.9	0.5
92.5°	51.0	60.4	59.6	46.4	31.6	21.1	16.7	13.6	11.5	8.2	5.7
95°	159.5	182.3	161.3	107.4	66.9	45.6	34.4	27.0	22.7	18.1	16.3
97.5°	326.4	311.1	234.3	144.7	88.4	61.5	48.8	40.3	33.9	29.0	26.5
100°	434.2	367.3	252.9	152.5	95.8	71.2	58.1	48.8	41.4	37.2	35.8
102.5°	474.4	369.2	245.9	152.9	102.5	79.7	66.7	57.0	49.6	45.4	44.4
105°	468.2	344.5	232.0	155.3	113.9	92.0	79.0	68.8	61.8	58.6	56.7
107.5°	427.4	318.1	225.1	161.7	125.6	104.4	91.3	81.2	74.8	71.6	70.1
110°	401.7	305.5	223.6	166.9	133.5	113.0	99.5	89.8	83.7	80.9	79.0



TEST NUMBER: P331743-930

CATALOG NUMBER: SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	383.8	297.3	224.0	172.5	140.9	121.2	107.3	97.9	92.2	89.1	87.2
115°	361.7	288.3	226.0	180.8	152.5	132.5	119.9	110.6	105.1	102.3	100.0
117.5°	347.8	283.9	229.3	189.8	163.2	144.7	131.7	122.8	117.8	115.0	113.2
120°	340.4	281.3	231.5	195.8	170.6	152.5	139.5	130.2	126.0	123.2	121.3
122.5°	334.0	279.8	234.2	201.0	177.7	160.7	147.3	138.0	133.5	130.7	129.1
125°	325.0	277.1	238.1	209.2	188.3	171.5	158.6	149.3	143.7	140.9	139.5
127.5°	316.7	275.6	242.1	217.0	198.2	181.9	168.5	159.6	153.4	149.5	147.7
130°	311.0	274.8	245.0	221.8	204.2	187.8	174.8	165.5	159.0	154.3	152.5
132.5°	306.6	274.4	248.0	226.7	209.3	193.8	180.8	171.1	164.2	159.2	156.9
135°	300.4	273.9	251.5	232.9	216.7	201.8	188.7	178.1	171.1	165.5	163.6
137.5°	296.0	273.8	254.7	237.7	222.7	207.9	195.8	185.2	177.8	172.2	170.0
140°	293.4	273.4	256.2	240.4	226.0	212.1	199.9	189.7	182.3	176.7	174.8
142.5°	290.8	273.4	257.3	242.6	228.6	215.0	203.7	193.8	186.4	181.2	179.7
145°	287.3	272.5	258.5	245.5	232.4	219.9	209.7	200.4	193.4	188.7	186.9
147.5°	283.8	270.8	258.9	247.1	235.6	223.8	214.7	207.0	200.6	196.1	194.7
150°	280.9	269.7	258.5	247.9	237.1	226.4	218.1	211.1	205.0	201.3	199.9
152.5°	278.3	267.8	257.8	248.2	238.6	229.0	221.4	214.8	209.5	205.8	205.1
155°	273.4	264.6	256.7	248.7	240.8	232.9	226.0	220.9	215.7	213.0	212.5
157.5°	268.8	261.2	254.5	248.7	242.4	235.7	229.9	225.8	221.4	219.1	218.6
160°	265.5	259.0	253.4	248.7	243.2	237.6	232.4	228.8	225.0	223.1	222.7
162.5°	262.5	257.1	252.3	248.3	243.5	238.7	234.7	231.4	228.4	226.5	226.8
165°	257.6	253.4	250.1	247.4	244.1	239.9	237.1	234.8	232.0	231.1	231.5
167.5°	252.7	250.1	248.0	246.7	244.0	240.9	239.2	237.5	235.7	234.9	235.5
170°	250.1	248.3	246.9	246.0	243.6	241.3	239.9	239.0	237.6	237.1	238.1
172.5°	247.5	246.1	245.4	244.8	243.3	241.7	240.7	240.1	238.7	239.0	239.5
175°	244.1	243.6	243.2	243.6	242.7	241.7	241.3	241.3	240.4	240.8	241.3
177.5°	242.1	241.7	242.1	242.9	242.1	241.7	241.7	241.7	241.0	241.4	242.1
180°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7





TEST NUMBER: P331743-930

CATALOG NUMBER: SA2XXRDIP-C1005D530U930-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1808.6	1810.0	1820.1	1824.6	1833.6	1837.0	1841.1	1840.0	1840.0	1842.1	1856.0
5°	1812.5	1825.0	1843.7	1861.8	1879.3	1894.3	1904.3	1914.3	1918.1	1936.2	1952.4
7.5°	1806.0	1829.0	1859.9	1887.6	1920.7	1946.5	1968.1	1987.4	2000.7	2027.0	2054.0
10°	1797.5	1829.9	1864.9	1900.5	1946.1	1980.5	2015.5	2042.4	2051.1	2090.5	2113.0
12.5°	1780.5	1824.0	1868.4	1914.6	1959.2	2006.5	2045.0	2071.8	2102.6	2138.0	2179.5
15°	1755.0	1805.0	1863.0	1922.4	1986.2	2043.6	2084.9	2131.7	2165.4	2204.2	2240.4
17.5°	1718.4	1782.7	1856.6	1925.3	1999.0	2060.8	2117.5	2162.4	2186.2	2208.3	2213.7
20°	1689.4	1758.8	1845.6	1926.8	2000.5	2071.8	2127.9	2165.4	2171.7	2172.3	2139.2
22.5°	1657.9	1736.3	1827.1	1910.3	1998.5	2077.7	2121.5	2137.5	2112.7	2070.4	2006.3
25°	1600.0	1690.6	1796.2	1891.2	1987.4	2062.4	2077.4	2049.3	1962.4	1871.2	1755.6
27.5°	1537.3	1639.2	1752.3	1857.9	1960.4	2006.9	1974.5	1873.2	1716.8	1580.8	1416.0
30°	1491.3	1605.7	1716.9	1834.9	1929.9	1949.9	1875.6	1726.2	1543.8	1338.9	1174.6
32.5°	1438.8	1558.7	1680.9	1803.0	1882.4	1863.0	1740.1	1556.3	1342.4	1140.9	985.6
35°	1363.8	1487.6	1619.4	1741.9	1792.4	1708.1	1524.4	1285.2	1066.5	878.4	771.6
37.5°	1277.2	1412.0	1549.1	1661.5	1657.9	1517.4	1267.1	1020.1	836.3	725.1	649.0
40°	1215.8	1352.0	1500.1	1595.1	1554.4	1371.3	1100.2	867.2	732.9	644.2	588.6
42.5°	1156.8	1293.6	1440.6	1516.0	1445.4	1220.4	950.3	767.7	656.9	587.7	542.6
45°	1056.5	1200.8	1337.0	1378.8	1252.6	1004.6	768.5	636.0	562.3	511.0	479.8
47.5°	958.4	1100.3	1224.7	1225.4	1054.8	814.7	648.2	550.4	487.5	447.8	425.1
50°	898.4	1033.4	1137.7	1121.4	927.8	724.7	579.8	495.5	443.0	412.4	388.6
52.5°	831.0	961.9	1052.2	1006.0	820.4	637.7	518.3	447.4	404.0	377.3	356.1
55°	732.9	849.1	912.8	842.8	669.1	530.4	438.0	382.4	349.8	327.3	309.2
57.5°	636.5	732.4	772.5	691.0	551.1	439.9	370.5	328.7	296.5	280.4	271.0
60°	576.0	657.9	686.0	596.1	479.2	384.8	328.0	289.3	265.5	254.9	245.6
62.5°	516.6	583.4	595.0	512.6	417.8	336.9	288.0	255.3	239.5	229.4	220.5
65°	428.6	476.7	471.1	404.9	330.5	267.4	231.8	211.8	199.9	185.6	169.9
67.5°	352.9	382.2	364.5	314.9	252.3	207.8	184.6	169.4	154.7	141.0	137.5
70°	304.9	321.7	303.0	257.4	206.8	174.3	155.6	137.5	128.7	125.6	119.9
72.5°	258.9	264.8	244.5	205.5	168.3	144.3	126.0	115.9	111.2	108.6	104.9
75°	194.3	190.0	172.4	141.9	116.8	100.6	95.0	91.2	88.1	85.6	83.7
77.5°	136.5	130.0	114.5	94.5	81.4	73.6	70.2	68.2	66.7	65.5	63.6
80°	102.5	98.1	82.5	67.5	61.9	58.1	56.3	53.7	53.7	52.5	50.6
82.5°	75.0	70.1	56.5	49.5	46.4	44.1	42.7	41.3	40.8	41.0	39.6
85°	39.4	31.9	28.1	26.9	25.0	23.7	24.4	23.2	23.2	23.2	22.5
87.5°	12.4	10.3	9.9	9.6	10.4	10.8	11.0	11.6	12.1	11.6	12.0
90°	1.9	3.8	4.6	5.5	7.0	9.3	12.6	15.3	15.8	15.3	14.8
92.5°	8.2	11.5	13.6	16.7	21.1	31.6	46.4	59.6	60.4	51.0	40.5
95°	18.1	22.7	27.0	34.4	45.6	66.9	107.4	161.3	182.3	159.5	121.8
97.5°	29.0	33.9	40.3	48.8	61.5	88.4	144.7	234.3	311.1	326.4	284.3
100°	37.2	41.4	48.8	58.1	71.2	95.8	152.5	252.9	367.3	434.2	424.5
102.5°	45.4	49.6	57.0	66.7	79.7	102.5	152.9	245.9	369.2	474.4	516.4
105°	58.6	61.8	68.8	79.0	92.0	113.9	155.3	232.0	344.5	468.2	564.9
107.5°	71.6	74.8	81.2	91.3	104.4	125.6	161.7	225.1	318.1	427.4	529.9
110°	80.9	83.7	89.8	99.5	113.0	133.5	166.9	223.6	305.5	401.7	499.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	89.1	92.2	97.9	107.3	121.2	140.9	172.5	224.0	297.3	383.8	472.3
115°	102.3	105.1	110.6	119.9	132.5	152.5	180.8	226.0	288.3	361.7	438.5
117.5°	115.0	117.8	122.8	131.7	144.7	163.2	189.8	229.3	283.9	347.8	412.9
120°	123.2	126.0	130.2	139.5	152.5	170.6	195.8	231.5	281.3	340.4	400.3
122.5°	130.7	133.5	138.0	147.3	160.7	177.7	201.0	234.2	279.8	334.0	390.3
125°	140.9	143.7	149.3	158.6	171.5	188.3	209.2	238.1	277.1	325.0	375.7
127.5°	149.5	153.4	159.6	168.5	181.9	198.2	217.0	242.1	275.6	316.7	361.3
130°	154.3	159.0	165.5	174.8	187.8	204.2	221.8	245.0	274.8	311.0	352.0
132.5°	159.2	164.2	171.1	180.8	193.8	209.3	226.7	248.0	274.4	306.6	343.1
135°	165.5	171.1	178.1	188.7	201.8	216.7	232.9	251.5	273.9	300.4	330.6
137.5°	172.2	177.8	185.2	195.8	207.9	222.7	237.7	254.7	273.8	296.0	320.7
140°	176.7	182.3	189.7	199.9	212.1	226.0	240.4	256.2	273.4	293.4	314.3
142.5°	181.2	186.4	193.8	203.7	215.0	228.6	242.6	257.3	273.4	290.8	309.1
145°	188.7	193.4	200.4	209.7	219.9	232.4	245.5	258.5	272.5	287.3	301.7
147.5°	196.1	200.6	207.0	214.7	223.8	235.6	247.1	258.9	270.8	283.8	296.1
150°	201.3	205.0	211.1	218.1	226.4	237.1	247.9	258.5	269.7	280.9	292.0
152.5°	205.8	209.5	214.8	221.4	229.0	238.6	248.2	257.8	267.8	278.3	287.9
155°	213.0	215.7	220.9	226.0	232.9	240.8	248.7	256.7	264.6	273.4	282.3
157.5°	219.1	221.4	225.8	229.9	235.7	242.4	248.7	254.5	261.2	268.8	275.7
160°	223.1	225.0	228.8	232.4	237.6	243.2	248.7	253.4	259.0	265.5	271.5
162.5°	226.5	228.4	231.4	234.7	238.7	243.5	248.3	252.3	257.1	262.5	267.4
165°	231.1	232.0	234.8	237.1	239.9	244.1	247.4	250.1	253.4	257.6	261.3
167.5°	234.9	235.7	237.5	239.2	240.9	244.0	246.7	248.0	250.1	252.7	255.4
170°	237.1	237.6	239.0	239.9	241.3	243.6	246.0	246.9	248.3	250.1	252.5
172.5°	239.0	238.7	240.1	240.7	241.7	243.3	244.8	245.4	246.1	247.5	249.2
175°	240.8	240.4	241.3	241.3	241.7	242.7	243.6	243.2	243.6	244.1	245.5
177.5°	241.4	241.0	241.7	241.7	241.7	242.1	242.9	242.1	241.7	242.1	242.9
180°	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7	241.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1861.1	1867.5	1870.5	1870.5	1874.0	1872.6	1871.0
5°	1968.1	1979.9	1982.4	1993.7	2001.7	1999.3	2000.5
7.5°	2074.4	2093.4	2112.4	2121.0	2122.3	2127.4	2129.2
10°	2139.8	2155.5	2184.8	2180.4	2202.3	2214.8	2194.2
12.5°	2202.8	2223.9	2244.3	2249.9	2262.3	2266.3	2258.1
15°	2259.8	2271.0	2272.3	2269.1	2272.9	2269.8	2257.9
17.5°	2206.5	2188.3	2151.3	2133.8	2119.9	2099.5	2091.2
20°	2118.6	2064.8	2002.4	1977.4	1948.0	1890.5	1904.3
22.5°	1928.7	1867.4	1805.0	1732.0	1697.1	1642.7	1639.4
25°	1633.1	1527.5	1411.4	1330.2	1282.6	1228.3	1204.5
27.5°	1269.7	1136.9	1041.6	993.4	949.5	906.4	904.7
30°	1030.9	930.9	857.2	816.0	789.0	770.9	774.7
32.5°	868.9	800.5	750.7	716.5	696.6	683.0	682.7
35°	710.4	663.5	631.6	617.3	602.9	592.9	593.5
37.5°	607.9	579.8	562.1	546.2	537.2	532.3	529.5
40°	555.4	532.3	518.5	509.2	501.7	494.8	493.6
42.5°	514.0	494.8	481.1	473.7	466.7	461.9	460.6
45°	456.1	440.4	428.0	419.9	416.7	412.4	412.4
47.5°	405.7	390.4	380.6	375.5	370.1	367.2	367.1
50°	371.8	359.9	351.1	348.0	343.6	341.8	341.1
52.5°	341.3	332.4	326.1	324.0	322.1	319.8	320.2
55°	299.9	294.9	292.4	290.5	287.4	283.6	286.2
57.5°	265.1	260.8	254.0	248.2	245.3	242.6	243.7
60°	240.5	231.8	223.1	216.1	214.3	208.6	208.6
62.5°	209.5	197.3	186.5	182.7	180.8	178.2	177.7
65°	161.2	156.2	153.7	151.2	149.9	149.9	148.7
67.5°	133.5	131.6	128.8	128.2	126.9	126.6	126.2
70°	118.1	115.6	114.3	113.7	112.4	113.1	111.2
72.5°	103.1	101.1	100.9	99.2	98.5	98.6	97.2
75°	81.2	81.2	80.6	80.0	78.8	78.1	78.8
77.5°	62.5	62.6	61.5	61.4	61.2	61.4	60.7
80°	50.0	50.6	50.0	49.3	48.8	49.3	48.8
82.5°	39.5	38.6	38.5	38.4	38.2	37.8	37.7
85°	22.5	23.2	22.5	21.9	21.9	21.9	22.5
87.5°	11.3	11.5	11.6	11.6	11.6	11.6	11.1
90°	13.9	14.8	15.3	15.3	15.3	15.3	15.3
92.5°	34.8	30.9	28.0	27.6	26.2	26.5	25.8
95°	93.4	73.9	63.7	57.6	54.0	52.5	53.0
97.5°	232.6	182.3	148.7	126.5	115.0	108.3	104.4
100°	366.9	303.1	246.9	208.3	188.3	174.8	166.5
102.5°	503.4	456.8	397.1	355.2	321.1	304.3	292.9
105°	617.4	623.5	608.1	579.4	550.5	530.5	524.0
107.5°	609.1	657.5	680.0	683.5	682.0	678.0	669.4
110°	583.0	642.5	680.7	700.7	709.6	713.7	713.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	552.2	615.8	659.5	687.3	702.1	710.0	712.5
115°	510.1	571.0	618.9	651.8	673.3	685.3	689.5
117.5°	475.8	531.1	576.0	609.7	632.3	645.0	648.5
120°	458.0	507.3	549.6	582.1	604.0	617.4	622.1
122.5°	443.1	489.8	528.0	557.2	578.7	590.7	594.6
125°	423.5	464.5	499.4	526.4	544.0	555.6	559.4
127.5°	404.6	443.2	475.4	498.9	515.4	525.5	528.5
130°	392.0	428.7	459.3	482.2	498.0	507.3	510.9
132.5°	380.1	413.8	442.6	465.0	480.9	489.4	492.8
135°	361.3	392.0	418.0	438.0	453.3	461.7	463.6
137.5°	346.3	370.6	393.4	411.6	424.8	432.1	434.9
140°	336.6	358.0	378.5	393.4	405.4	412.4	415.2
142.5°	328.1	346.5	363.6	377.7	388.7	394.9	395.5
145°	317.1	331.5	345.0	356.1	364.0	368.7	370.1
147.5°	308.2	319.4	329.3	338.5	344.8	348.0	348.8
150°	302.2	312.0	320.3	327.3	332.9	335.7	336.1
152.5°	297.4	305.7	312.9	318.4	323.3	325.3	325.4
155°	289.7	296.6	301.7	306.9	310.1	312.0	311.0
157.5°	281.8	287.7	291.7	295.3	298.1	298.9	298.9
160°	276.6	281.8	285.0	288.3	290.6	291.1	291.1
162.5°	271.8	276.2	278.7	281.9	283.6	284.0	283.6
165°	264.6	267.8	269.7	271.5	273.4	273.4	273.0
167.5°	258.0	260.2	261.9	262.7	263.7	263.7	263.1
170°	253.9	255.8	256.7	257.1	258.5	258.0	257.1
172.5°	250.1	251.6	252.2	252.7	253.3	252.8	252.3
175°	246.0	246.5	246.9	246.9	247.4	246.9	246.0
177.5°	242.9	243.3	243.3	243.3	243.3	242.9	242.1
180°	241.7	241.7	241.7	241.7	241.7	241.7	241.7

(END OF REPORT)