

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: P331598-927

Luminaire Tested: **S122DIW-S1005D970U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331598-927
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: S122DIW-S1005D970U927-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6147.4 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

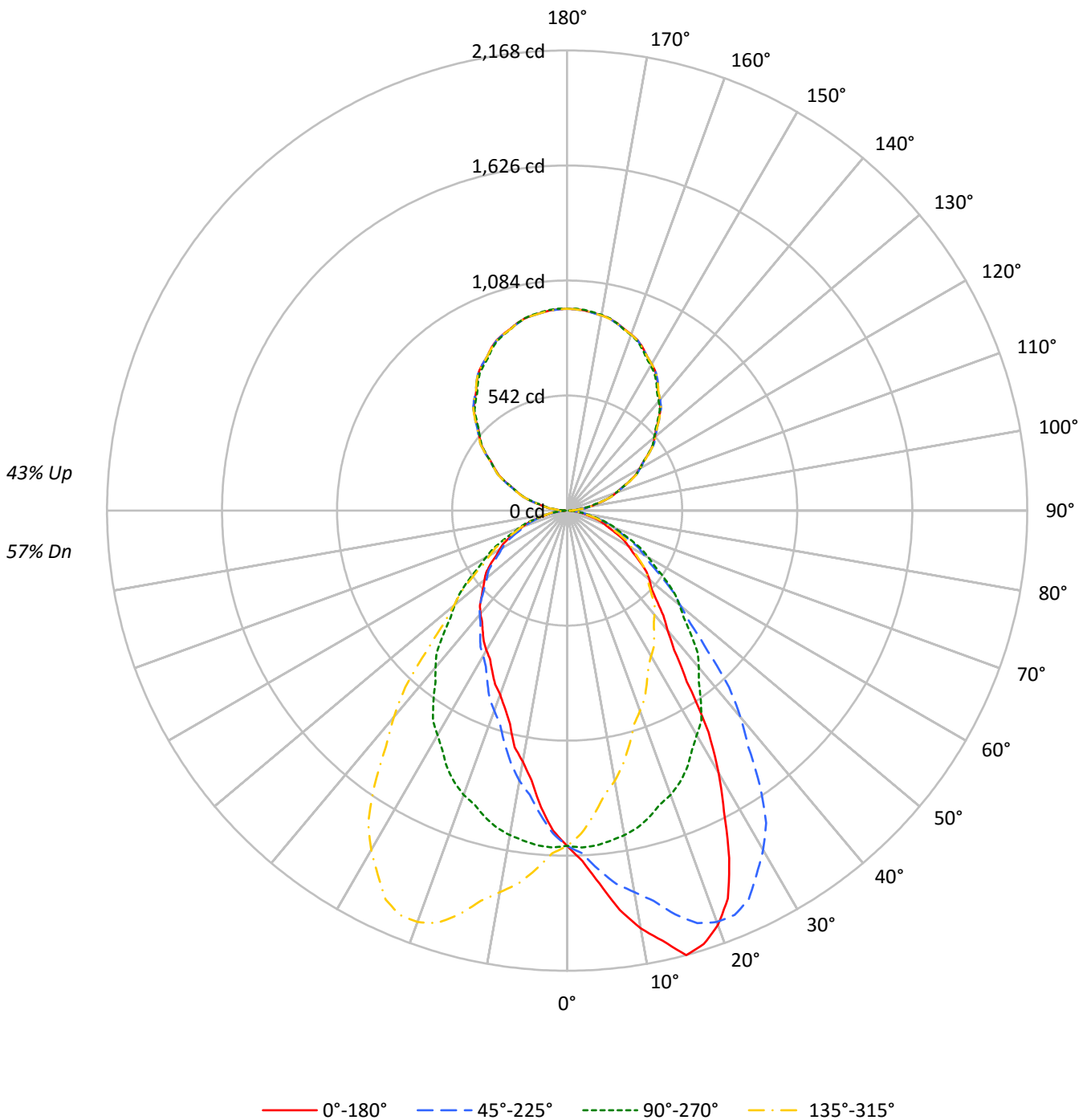
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	100	96	92	89	93	89	86	83	77	75	73	66	64	63	56	55	54	49
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46	42
3	84	74	67	62	78	70	63	58	61	56	52	52	49	46	45	42	40	36
4	77	66	59	53	71	62	55	50	54	49	45	47	43	40	40	37	35	31
5	71	59	51	46	66	56	49	43	49	43	39	43	38	35	37	33	31	28
6	65	54	46	40	61	50	43	38	44	39	34	39	34	31	33	30	27	25
7	61	49	41	35	56	46	39	34	40	35	31	35	31	28	31	27	25	22
8	56	44	37	31	53	42	35	30	37	31	27	33	28	25	28	25	22	20
9	53	41	33	28	49	38	32	27	34	29	25	30	26	22	26	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	23	20	24	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25504	25504	25504	25504
5°	28593	25671	22749	25671
10°	32765	25460	19687	25460
15°	36247	24993	17392	24993
20°	35696	24493	15856	24493
25°	32186	23826	14883	23826
30°	26597	22760	14171	22760
35°	19385	21646	13665	21646
40°	15483	20331	13384	20331
45°	13531	18810	13001	18810
50°	12717	17337	12750	17337
55°	11724	15842	12408	15842
60°	10743	14250	11880	14250
65°	9788	12825	11366	12825
70°	8884	11434	10607	11434
75°	7879	9881	9395	9881
80°	6778	8182	7569	8182
85°	6076	6076	4502	6076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	2.4
10°-20°	437.4	7.1
20°-30°	634.7	10.3
30°-40°	669.8	10.9
40°-50°	593.0	9.6
50°-60°	473.3	7.7
60°-70°	321.7	5.2
70°-80°	164.9	2.7
80°-90°	43.6	0.7
90°-100°	60.2	1.0
100°-110°	187.1	3.0
110°-120°	319.9	5.2
120°-130°	420.6	6.8
130°-140°	472.1	7.7
140°-150°	462.9	7.5
150°-160°	388.3	6.3
160°-170°	257.5	4.2
170°-180°	90.0	1.5
0°-30°	1222.5	19.9
0°-40°	1892.3	30.8
0°-60°	2958.6	48.1
0°-90°	3488.8	56.8
90°-120°	567.2	9.2
90°-150°	1922.8	31.3
90°-180°	2659.0	43.3
0°-180°	6147.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1580	1580	1580	1580	1580	
5°	1764	1584	1404	1584	1764	176
15°	2168	1495	1040	1495	2168	598
25°	1807	1337	835	1337	1807	817
35°	984	1098	693	1098	984	640
45°	593	824	569	824	593	466
55°	416	563	441	563	416	373
65°	256	336	298	336	256	255
75°	126	158	151	158	126	135
85°	33	33	24	33	33	37
90°	27	1	27	1	27	14
95°	50	42	50	42	50	55
105°	178	172	178	172	178	187
115°	321	321	321	321	321	317
125°	469	467	469	467	469	418
135°	611	604	611	604	611	471
145°	741	733	741	733	741	463
155°	845	838	845	838	845	389
165°	913	912	913	912	913	258
175°	946	949	946	949	946	90
180°	951	951	951	951	951	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1652.5	1653.0	1653.9	1646.2	1645.2	1645.2	1638.4	1632.6	1625.8	1616.5	1617.6
5°	1764.2	1770.8	1773.3	1766.0	1755.1	1753.9	1743.6	1726.6	1710.8	1698.0	1688.9
7.5°	1897.5	1900.2	1894.3	1884.7	1876.5	1861.9	1842.8	1823.9	1797.6	1773.5	1755.5
10°	1998.5	2002.2	1991.9	1977.9	1966.4	1949.4	1921.4	1892.9	1858.3	1825.0	1798.2
12.5°	2075.3	2084.2	2071.0	2069.2	2049.5	2026.1	1992.8	1978.4	1929.7	1883.2	1854.6
15°	2168.5	2167.9	2169.2	2157.6	2143.0	2139.4	2104.2	2065.9	1997.3	1970.0	1922.6
17.5°	2141.6	2150.8	2155.1	2154.9	2154.6	2152.3	2141.0	2116.8	2082.4	2038.1	1983.5
20°	2077.5	2089.6	2091.4	2105.4	2113.3	2123.6	2127.9	2121.1	2099.9	2062.9	2015.5
22.5°	1978.4	1981.8	1987.5	2009.2	2026.3	2052.2	2065.7	2088.1	2080.0	2061.9	2022.4
25°	1806.7	1800.6	1821.9	1832.8	1872.2	1913.5	1943.3	1976.1	2005.3	2022.8	2011.3
27.5°	1600.5	1591.4	1623.3	1652.3	1684.3	1729.0	1775.4	1830.1	1875.7	1932.6	1952.2
30°	1426.6	1432.1	1462.4	1493.4	1542.0	1605.1	1657.3	1717.5	1782.4	1846.2	1890.5
32.5°	1239.2	1260.2	1279.4	1326.8	1369.6	1440.0	1516.5	1591.7	1672.7	1745.2	1813.8
35°	983.5	1007.7	1034.5	1069.1	1129.2	1199.0	1273.7	1375.1	1485.6	1584.5	1665.9
37.5°	827.8	823.9	839.2	864.3	912.9	969.3	1055.3	1155.4	1285.5	1401.8	1516.5
40°	734.6	732.1	743.1	766.1	803.2	844.5	919.7	1007.7	1128.5	1270.7	1407.2
42.5°	670.5	671.9	678.0	694.3	719.6	753.6	810.0	884.9	995.5	1129.3	1276.1
45°	592.6	596.8	603.5	611.3	625.9	653.9	685.4	738.9	826.2	937.9	1082.4
47.5°	536.4	536.5	543.4	550.2	558.9	574.6	600.4	633.9	695.6	786.6	910.8
50°	506.3	502.1	506.9	512.4	521.5	532.4	549.4	581.0	622.3	695.7	799.5
52.5°	469.4	469.5	473.9	475.9	484.1	495.0	510.6	532.4	569.8	627.2	712.6
55°	416.5	419.5	421.9	425.6	432.8	440.8	452.9	467.5	496.6	539.7	602.9
57.5°	366.7	367.7	370.1	377.0	381.6	388.9	400.4	413.7	432.6	464.5	512.0
60°	332.7	332.7	337.5	340.6	346.7	353.9	363.1	375.8	392.8	418.9	457.2
62.5°	301.6	301.1	303.1	308.0	312.7	319.5	328.5	339.4	355.4	378.6	410.0
65°	256.2	255.0	258.6	259.8	264.7	271.4	278.7	290.2	302.9	320.0	347.8
67.5°	212.5	214.0	215.9	218.2	220.9	227.9	232.7	240.9	251.7	265.8	284.7
70°	188.2	188.2	188.2	190.0	193.7	197.3	202.2	208.8	219.2	231.3	248.3
72.5°	161.0	163.0	164.9	163.8	168.4	170.6	176.4	180.2	190.0	197.8	212.9
75°	126.3	126.3	126.3	129.3	131.1	132.9	136.6	140.2	145.1	154.8	162.7
77.5°	94.2	94.0	94.6	95.3	97.3	99.4	100.5	103.8	108.3	112.8	119.5
80°	72.9	74.1	74.7	75.9	75.9	77.1	77.7	82.0	85.0	88.0	92.3
82.5°	56.3	56.6	56.7	57.0	57.4	58.1	59.7	61.1	62.2	64.7	68.0
85°	32.8	32.2	32.2	33.4	32.8	32.8	34.0	35.2	35.2	35.8	37.6
87.5°	18.1	18.1	18.5	18.0	17.9	18.5	18.5	18.1	18.7	19.3	18.9
90°	27.3	27.1	26.9	26.8	26.5	26.6	27.0	27.3	27.7	28.0	24.2
92.5°	26.0	26.0	25.9	25.9	25.8	25.8	25.7	25.7	25.6	25.5	24.6
95°	49.7	50.1	50.5	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.0
97.5°	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	85.6
100°	110.0	110.1	110.3	110.4	110.7	110.7	110.7	110.7	110.7	110.7	110.2
102.5°	136.9	137.0	137.2	137.4	137.6	137.6	137.4	137.4	137.2	137.0	136.3
105°	178.2	178.2	178.2	178.2	178.2	177.9	177.6	177.2	176.9	176.5	176.2
107.5°	217.0	217.8	218.6	219.4	220.2	220.5	220.5	220.3	220.1	220.0	220.0
110°	247.2	247.6	248.2	248.7	249.3	249.5	249.5	249.5	249.5	249.5	249.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	276.0	276.4	276.8	277.2	277.6	278.0	278.5	278.8	279.2	279.7	279.9
115°	320.9	321.5	322.0	322.6	323.1	323.4	323.6	323.8	324.0	324.2	324.5
117.5°	363.8	364.3	364.9	365.4	365.9	366.4	366.9	367.3	367.7	368.1	369.2
120°	394.0	394.5	395.1	395.5	396.1	396.4	396.4	396.4	396.4	396.4	397.8
122.5°	423.5	423.9	424.3	424.7	425.1	425.5	425.9	426.4	426.7	427.1	428.2
125°	468.6	468.7	469.0	469.1	469.3	469.7	470.2	470.7	471.3	471.8	472.3
127.5°	509.7	510.2	510.8	511.4	511.9	512.5	513.2	513.8	514.4	515.2	515.8
130°	539.2	539.9	540.6	541.3	542.0	542.6	543.0	543.3	543.7	544.0	544.4
132.5°	567.4	568.0	568.5	569.2	569.7	570.4	571.2	572.0	572.7	573.5	573.5
135°	611.4	612.0	612.4	613.0	613.5	613.9	614.1	614.3	614.4	614.6	614.3
137.5°	651.2	651.9	652.6	653.3	654.0	654.5	654.7	654.7	654.9	655.1	654.6
140°	678.8	679.5	680.2	681.0	681.7	682.0	682.0	682.0	682.0	682.0	681.1
142.5°	703.9	704.6	705.3	706.0	706.7	706.9	706.9	706.7	706.5	706.4	705.8
145°	741.4	742.1	742.8	743.5	744.3	744.5	744.3	744.2	743.9	743.8	742.8
147.5°	774.9	775.6	776.3	777.0	777.6	777.8	777.4	777.0	776.6	776.2	775.5
150°	796.8	797.3	797.8	798.4	798.9	798.9	798.4	797.8	797.3	796.8	796.1
152.5°	817.3	817.9	818.6	819.4	820.0	820.0	819.4	818.6	817.9	817.3	816.4
155°	844.9	845.4	846.0	846.5	847.0	846.8	846.0	845.1	844.1	843.3	842.7
157.5°	868.6	869.5	870.4	871.2	872.0	871.9	870.7	869.5	868.2	867.0	866.7
160°	883.4	884.2	884.9	885.6	886.3	886.1	885.0	883.9	882.9	881.8	881.6
162.5°	896.3	897.1	897.9	898.8	899.7	899.5	898.3	897.1	895.9	894.6	894.5
165°	913.1	914.0	914.9	915.8	916.6	916.5	915.2	914.0	912.8	911.5	911.5
167.5°	926.9	927.8	928.8	929.7	930.6	930.4	929.2	928.0	926.7	925.4	925.5
170°	934.0	935.0	936.1	937.2	938.3	938.2	936.9	935.6	934.4	933.2	933.3
172.5°	939.8	940.8	941.9	942.9	944.0	943.9	942.7	941.4	940.2	938.9	939.1
175°	946.0	947.1	948.2	949.2	950.3	950.1	949.0	947.7	946.4	945.2	945.5
177.5°	948.9	949.7	950.6	951.4	952.3	952.3	951.4	950.6	949.7	948.9	949.2
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1621.0	1617.1	1614.6	1605.9	1598.1	1590.3	1587.9	1588.9	1578.2	1568.0	1563.6
5°	1684.1	1671.9	1660.4	1644.0	1624.6	1603.3	1592.4	1583.9	1562.7	1539.6	1526.2
7.5°	1740.7	1723.3	1701.1	1670.2	1642.0	1608.5	1587.3	1568.4	1537.4	1504.8	1484.9
10°	1775.1	1751.4	1722.9	1685.3	1650.7	1610.0	1581.4	1552.9	1516.5	1477.7	1453.3
12.5°	1804.7	1772.8	1744.8	1696.5	1655.5	1604.6	1570.8	1530.6	1492.2	1446.0	1422.3
15°	1875.3	1816.4	1763.0	1708.3	1658.0	1586.9	1549.3	1495.2	1444.9	1387.8	1360.5
17.5°	1929.8	1863.6	1779.5	1710.1	1651.3	1572.6	1517.3	1452.6	1393.1	1327.9	1290.7
20°	1960.9	1885.0	1794.5	1712.0	1641.6	1551.7	1491.6	1425.5	1355.7	1282.1	1242.1
22.5°	1979.3	1899.6	1810.1	1704.7	1622.2	1534.7	1459.0	1386.6	1315.8	1236.5	1194.5
25°	1985.2	1912.3	1817.7	1698.7	1597.8	1498.9	1407.9	1337.4	1251.8	1177.7	1116.4
27.5°	1956.3	1904.1	1813.0	1687.2	1569.8	1454.1	1352.6	1272.8	1182.5	1102.1	1040.5
30°	1920.8	1890.5	1801.8	1675.5	1547.4	1423.0	1311.3	1220.8	1131.0	1049.6	986.5
32.5°	1866.0	1859.4	1781.5	1659.1	1523.7	1383.7	1268.1	1176.6	1077.1	997.2	937.0
35°	1758.2	1787.2	1738.1	1622.2	1478.8	1327.7	1202.6	1098.2	995.1	918.5	862.1
37.5°	1613.7	1686.0	1673.2	1568.1	1418.4	1266.8	1128.7	1019.5	921.2	844.0	788.6
40°	1514.1	1606.4	1619.7	1526.9	1375.7	1219.6	1073.3	964.6	868.7	798.4	742.4
42.5°	1407.2	1515.0	1551.7	1477.3	1329.0	1170.1	1023.8	911.2	816.3	747.8	698.3
45°	1228.1	1370.8	1437.0	1394.5	1251.3	1088.5	937.9	823.8	737.6	673.3	635.0
47.5°	1060.7	1216.6	1305.6	1290.5	1164.7	1003.5	854.7	745.1	661.2	609.9	575.7
50°	942.2	1102.5	1209.9	1214.8	1102.5	942.8	793.4	690.2	613.1	565.2	537.3
52.5°	839.2	992.2	1109.4	1135.1	1033.0	879.6	738.6	635.9	568.0	523.9	498.9
55°	704.8	834.2	964.1	1011.4	929.5	783.8	653.2	562.8	499.0	468.7	446.8
57.5°	586.0	693.8	813.7	866.1	815.6	690.9	568.5	489.9	438.2	411.6	394.8
60°	523.3	608.3	715.2	777.7	734.0	622.9	516.0	441.3	398.9	375.2	359.4
62.5°	465.0	540.3	630.7	687.9	664.0	559.3	463.6	397.7	361.0	338.7	327.3
65°	383.7	443.1	513.0	565.8	550.0	470.5	392.2	335.7	306.6	289.0	279.9
67.5°	315.9	358.9	407.3	453.6	440.8	384.5	321.6	277.7	256.0	240.7	235.3
70°	273.2	305.9	349.1	386.1	375.8	329.6	279.9	242.2	223.4	210.6	205.2
72.5°	232.4	259.4	292.2	322.5	315.5	277.2	235.7	207.2	192.8	181.0	176.6
75°	175.5	196.1	216.1	236.1	234.3	204.6	180.3	158.4	146.9	137.8	136.0
77.5°	129.5	141.1	154.7	166.6	163.3	146.3	127.2	114.7	106.2	100.1	99.2
80°	98.9	105.6	115.3	123.8	119.6	112.3	97.1	88.0	82.0	75.9	73.4
82.5°	71.8	78.4	84.3	88.9	85.6	78.8	69.5	63.3	59.7	55.5	54.5
85°	37.6	41.3	43.7	44.9	43.7	39.5	35.2	32.8	29.8	28.0	27.3
87.5°	18.6	17.8	17.0	17.4	15.5	15.1	12.8	10.9	10.8	10.7	10.2
90°	20.2	16.3	12.4	9.3	7.2	5.1	2.9	0.8	2.9	5.1	7.2
92.5°	23.7	22.7	21.8	20.6	19.0	17.4	15.8	14.3	15.8	17.4	19.0
95°	50.6	50.3	49.9	48.9	47.1	45.3	43.5	41.7	43.5	45.3	47.1
97.5°	85.0	84.3	83.7	82.5	81.0	79.4	77.8	76.2	77.8	79.4	81.0
100°	109.6	109.1	108.6	107.6	106.2	104.7	103.3	101.9	103.3	104.7	106.2
102.5°	135.7	135.0	134.4	133.4	132.3	131.1	130.0	128.9	130.0	131.1	132.3
105°	175.8	175.5	175.1	174.7	174.1	173.6	173.0	172.5	173.0	173.6	174.1
107.5°	220.0	220.0	220.0	219.6	218.8	218.0	217.3	216.5	217.3	218.0	218.8
110°	249.5	249.5	249.5	249.0	248.0	246.8	245.8	244.7	245.8	246.8	248.0



TEST NUMBER: P331598-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	280.0	280.1	280.3	279.8	278.8	277.7	276.6	275.5	276.6	277.7	278.8
115°	324.9	325.2	325.6	325.2	324.2	323.1	322.0	320.9	322.0	323.1	324.2
117.5°	370.1	371.1	372.1	371.9	370.5	369.1	367.7	366.2	367.7	369.1	370.5
120°	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4	397.8	399.3	400.7
122.5°	429.2	430.2	431.2	430.8	429.1	427.4	425.7	424.0	425.7	427.4	429.1
125°	472.9	473.4	474.0	473.4	471.8	470.2	468.6	467.0	468.6	470.2	471.8
127.5°	516.4	517.1	517.7	517.0	515.0	512.9	510.9	508.9	510.9	512.9	515.0
130°	544.7	545.1	545.4	544.5	542.2	539.8	537.5	535.2	537.5	539.8	542.2
132.5°	573.4	573.3	573.2	572.3	570.4	568.5	566.6	564.7	566.6	568.5	570.4
135°	613.9	613.5	613.1	612.0	610.1	608.1	606.2	604.2	606.2	608.1	610.1
137.5°	654.1	653.6	653.2	652.1	650.5	649.0	647.4	645.7	647.4	649.0	650.5
140°	680.2	679.4	678.4	677.2	675.6	674.0	672.4	670.7	672.4	674.0	675.6
142.5°	705.2	704.6	704.0	702.9	701.2	699.7	698.1	696.5	698.1	699.7	701.2
145°	741.6	740.6	739.5	738.4	737.1	735.9	734.6	733.3	734.6	735.9	737.1
147.5°	774.8	774.0	773.3	772.2	770.7	769.3	767.8	766.3	767.8	769.3	770.7
150°	795.4	794.6	793.9	793.0	791.9	790.8	789.8	788.7	789.8	790.8	791.9
152.5°	815.6	814.8	813.9	812.9	811.8	810.8	809.7	808.7	809.7	810.8	811.8
155°	842.2	841.7	841.1	840.6	840.1	839.6	839.0	838.4	839.0	839.6	840.1
157.5°	866.4	866.1	865.8	865.4	865.1	864.7	864.4	864.0	864.4	864.7	865.1
160°	881.5	881.3	881.1	880.8	880.4	880.1	879.7	879.4	879.7	880.1	880.4
162.5°	894.3	894.1	893.9	893.8	893.7	893.7	893.6	893.5	893.6	893.7	893.7
165°	911.5	911.5	911.5	911.6	911.7	912.0	912.1	912.3	912.1	912.0	911.7
167.5°	925.5	925.6	925.6	925.9	926.4	926.9	927.5	928.0	927.5	926.9	926.4
170°	933.5	933.7	933.9	934.2	934.8	935.3	935.8	936.4	935.8	935.3	934.8
172.5°	939.3	939.4	939.6	940.0	940.6	941.0	941.6	942.1	941.6	941.0	940.6
175°	945.9	946.3	946.6	947.1	947.6	948.2	948.6	949.2	948.6	948.2	947.6
177.5°	949.4	949.7	950.0	950.4	950.8	951.3	951.6	952.1	951.6	951.3	950.8
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331598-927

CATALOG NUMBER: S122DIW-S1005D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1558.8	1555.8	1545.6	1540.3	1531.6	1523.3	1518.0	1520.4	1522.3	1521.4	1519.9
5°	1514.1	1502.5	1484.9	1469.7	1458.8	1438.8	1430.3	1426.1	1422.4	1418.2	1413.9
7.5°	1460.9	1442.7	1417.5	1395.8	1375.4	1350.5	1336.3	1327.9	1319.1	1309.5	1301.0
10°	1423.0	1397.5	1370.8	1340.5	1316.2	1293.7	1273.7	1260.3	1248.2	1236.7	1228.1
12.5°	1383.2	1353.8	1320.8	1279.3	1252.5	1220.4	1217.3	1193.8	1174.8	1167.7	1157.7
15°	1319.8	1278.5	1236.7	1187.5	1166.3	1137.1	1118.9	1100.7	1084.3	1072.7	1069.7
17.5°	1247.8	1194.4	1152.7	1117.4	1082.6	1052.7	1035.9	1021.4	1007.9	992.4	990.4
20°	1192.9	1146.8	1101.3	1070.3	1034.5	1004.1	983.5	968.9	957.4	948.2	940.4
22.5°	1141.0	1090.4	1048.8	1014.9	979.6	955.1	938.8	924.7	915.1	905.1	897.6
25°	1057.6	1018.1	972.6	934.3	905.1	889.4	876.0	863.9	857.9	851.1	842.6
27.5°	984.6	940.7	898.1	868.5	842.9	828.9	819.4	811.2	805.5	801.6	796.8
30°	933.1	888.7	855.4	826.2	805.0	791.1	785.0	780.1	773.4	771.0	768.6
32.5°	883.5	843.6	815.1	789.8	769.5	760.4	754.9	750.5	745.3	742.8	738.0
35°	813.5	780.1	752.2	738.2	721.8	713.9	709.7	703.6	698.8	696.3	695.7
37.5°	747.6	718.6	700.2	682.2	675.3	670.5	664.6	660.5	659.1	658.7	658.1
40°	704.8	681.1	664.8	650.2	647.1	639.8	635.0	631.4	631.4	632.0	631.4
42.5°	666.0	644.8	630.3	617.7	614.1	609.7	604.9	604.7	605.6	607.7	605.6
45°	607.1	591.9	581.6	575.5	568.9	564.6	564.0	565.8	566.4	567.0	568.9
47.5°	552.9	542.9	533.5	526.8	523.9	523.2	522.4	525.6	528.5	529.7	532.4
50°	520.9	509.4	501.5	497.2	494.8	493.5	494.8	498.4	500.8	503.9	505.7
52.5°	485.0	476.8	471.3	468.1	467.1	467.9	468.1	472.2	476.1	477.2	478.0
55°	435.3	429.2	428.0	422.6	424.9	424.4	427.4	429.8	433.5	437.1	437.7
57.5°	385.7	380.9	377.6	378.1	378.8	381.5	384.0	388.3	392.2	396.1	396.4
60°	352.8	350.3	348.5	348.5	349.7	353.3	356.3	360.6	363.1	365.4	367.3
62.5°	322.6	320.2	318.4	319.3	322.5	324.6	328.2	330.5	333.0	335.3	336.2
65°	275.0	273.8	275.6	276.9	277.4	280.5	284.7	286.5	289.0	290.2	294.5
67.5°	231.2	231.4	231.2	232.9	236.4	237.1	241.1	245.4	245.9	248.2	251.0
70°	201.5	202.8	204.0	205.2	208.3	209.5	212.5	214.3	216.7	218.6	220.4
72.5°	174.4	174.6	175.8	175.5	178.1	180.8	183.3	185.1	187.6	189.9	191.7
75°	134.2	134.2	135.4	136.0	139.0	142.0	141.5	142.7	145.1	147.5	148.8
77.5°	98.0	96.6	98.0	98.6	99.6	102.1	102.6	104.3	107.1	106.2	107.6
80°	74.7	72.9	74.7	75.3	75.3	78.3	78.3	79.5	81.4	79.5	81.4
82.5°	53.3	52.4	53.8	53.9	54.9	55.0	56.0	56.2	58.1	57.2	58.1
85°	26.7	26.1	26.7	26.1	26.7	27.3	27.3	26.7	26.7	28.0	26.1
87.5°	10.1	10.2	10.5	11.3	11.6	12.0	11.4	11.3	11.2	10.2	10.1
90°	9.3	12.4	16.3	20.2	24.2	28.0	27.7	27.3	27.0	26.6	26.5
92.5°	20.6	21.8	22.7	23.7	24.6	25.5	25.6	25.7	25.7	25.8	25.8
95°	48.9	49.9	50.3	50.6	51.0	51.3	51.3	51.3	51.3	51.3	51.2
97.5°	82.5	83.7	84.3	85.0	85.6	86.3	86.3	86.3	86.3	86.3	86.3
100°	107.6	108.6	109.1	109.6	110.2	110.7	110.7	110.7	110.7	110.7	110.7
102.5°	133.4	134.4	135.0	135.7	136.3	137.0	137.2	137.4	137.4	137.6	137.6
105°	174.7	175.1	175.5	175.8	176.2	176.5	176.9	177.2	177.6	177.9	178.2
107.5°	219.6	220.0	220.0	220.0	220.0	220.0	220.1	220.3	220.5	220.5	220.2
110°	249.0	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.3



TEST NUMBER: P331598-927

CATALOG NUMBER: S122DIW-S1005D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	279.8	280.3	280.1	280.0	279.9	279.7	279.2	278.8	278.5	278.0	277.6
115°	325.2	325.6	325.2	324.9	324.5	324.2	324.0	323.8	323.6	323.4	323.1
117.5°	371.9	372.1	371.1	370.1	369.2	368.1	367.7	367.3	366.9	366.4	365.9
120°	402.1	402.1	400.7	399.3	397.8	396.4	396.4	396.4	396.4	396.4	396.1
122.5°	430.8	431.2	430.2	429.2	428.2	427.1	426.7	426.4	425.9	425.5	425.1
125°	473.4	474.0	473.4	472.9	472.3	471.8	471.3	470.7	470.2	469.7	469.3
127.5°	517.0	517.7	517.1	516.4	515.8	515.2	514.4	513.8	513.2	512.5	511.9
130°	544.5	545.4	545.1	544.7	544.4	544.0	543.7	543.3	543.0	542.6	542.0
132.5°	572.3	573.2	573.3	573.4	573.5	573.5	572.7	572.0	571.2	570.4	569.7
135°	612.0	613.1	613.5	613.9	614.3	614.6	614.4	614.3	614.1	613.9	613.5
137.5°	652.1	653.2	653.6	654.1	654.6	655.1	654.9	654.7	654.7	654.5	654.0
140°	677.2	678.4	679.4	680.2	681.1	682.0	682.0	682.0	682.0	682.0	681.7
142.5°	702.9	704.0	704.6	705.2	705.8	706.4	706.5	706.7	706.9	706.9	706.7
145°	738.4	739.5	740.6	741.6	742.8	743.8	743.9	744.2	744.3	744.5	744.3
147.5°	772.2	773.3	774.0	774.8	775.5	776.2	776.6	777.0	777.4	777.8	777.6
150°	793.0	793.9	794.6	795.4	796.1	796.8	797.3	797.8	798.4	798.9	798.9
152.5°	812.9	813.9	814.8	815.6	816.4	817.3	817.9	818.6	819.4	820.0	820.0
155°	840.6	841.1	841.7	842.2	842.7	843.3	844.1	845.1	846.0	846.8	847.0
157.5°	865.4	865.8	866.1	866.4	866.7	867.0	868.2	869.5	870.7	871.9	872.0
160°	880.8	881.1	881.3	881.5	881.6	881.8	882.9	883.9	885.0	886.1	886.3
162.5°	893.8	893.9	894.1	894.3	894.5	894.6	895.9	897.1	898.3	899.5	899.7
165°	911.6	911.5	911.5	911.5	911.5	911.5	912.8	914.0	915.2	916.5	916.6
167.5°	925.9	925.6	925.6	925.5	925.5	925.4	926.7	928.0	929.2	930.4	930.6
170°	934.2	933.9	933.7	933.5	933.3	933.2	934.4	935.6	936.9	938.2	938.3
172.5°	940.0	939.6	939.4	939.3	939.1	938.9	940.2	941.4	942.7	943.9	944.0
175°	947.1	946.6	946.3	945.9	945.5	945.2	946.4	947.7	949.0	950.1	950.3
177.5°	950.4	950.0	949.7	949.4	949.2	948.9	949.7	950.6	951.4	952.3	952.3
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331598-927

CATALOG NUMBER: S122DIW-S1005D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1515.0	1514.1	1514.1	1509.7	1514.1	1514.1	1515.0	1519.9	1521.4	1522.3	1520.4
5°	1405.4	1403.6	1400.6	1403.6	1400.6	1403.6	1405.4	1413.9	1418.2	1422.4	1426.1
7.5°	1297.0	1289.7	1288.6	1281.4	1288.6	1289.7	1297.0	1301.0	1309.5	1319.1	1327.9
10°	1217.8	1213.0	1212.4	1200.8	1212.4	1213.0	1217.8	1228.1	1236.7	1248.2	1260.3
12.5°	1157.6	1146.0	1148.3	1141.5	1148.3	1146.0	1157.6	1157.7	1167.7	1174.8	1193.8
15°	1053.3	1053.3	1050.9	1040.5	1050.9	1053.3	1053.3	1069.7	1072.7	1084.3	1100.7
17.5°	978.4	977.2	971.4	974.2	971.4	977.2	978.4	990.4	992.4	1007.9	1021.4
20°	933.7	930.1	922.8	922.8	922.8	930.1	933.7	940.4	948.2	957.4	968.9
22.5°	891.4	891.2	883.4	885.9	883.4	891.2	891.4	897.6	905.1	915.1	924.7
25°	842.0	837.2	833.5	835.4	833.5	837.2	842.0	842.6	851.1	857.9	863.9
27.5°	795.2	792.5	792.3	787.3	792.3	792.5	795.2	796.8	801.6	805.5	811.2
30°	767.9	761.9	763.1	760.1	763.1	761.9	767.9	768.6	771.0	773.4	780.1
32.5°	736.9	734.7	733.5	730.9	733.5	734.7	736.9	738.0	742.8	745.3	750.5
35°	694.5	695.1	692.1	693.3	692.1	695.1	694.5	695.7	696.3	698.8	703.6
37.5°	657.5	659.4	658.0	658.3	658.0	659.4	657.5	658.1	658.7	659.1	660.5
40°	633.2	633.2	633.2	635.0	633.2	633.2	633.2	631.4	632.0	631.4	631.4
42.5°	609.9	609.0	607.9	607.8	607.9	609.0	609.9	605.6	607.7	605.6	604.7
45°	570.1	571.9	572.5	569.4	572.5	571.9	570.1	568.9	567.0	566.4	565.8
47.5°	534.0	534.2	534.0	536.7	534.0	534.2	534.0	532.4	529.7	528.5	525.6
50°	508.7	507.6	508.7	507.6	508.7	507.6	508.7	505.7	503.9	500.8	498.4
52.5°	482.0	482.3	481.6	481.3	481.6	482.3	482.0	478.0	477.2	476.1	472.2
55°	440.1	441.3	440.8	440.8	440.8	441.3	440.1	437.7	437.1	433.5	429.8
57.5°	396.8	397.9	398.7	396.1	398.7	397.9	396.8	396.4	396.1	392.2	388.3
60°	366.7	369.7	369.1	367.9	369.1	369.7	366.7	367.3	365.4	363.1	360.6
62.5°	339.0	340.1	340.0	339.8	340.0	340.1	339.0	336.2	335.3	333.0	330.5
65°	296.3	297.5	295.6	297.5	295.6	297.5	296.3	294.5	290.2	289.0	286.5
67.5°	250.3	250.6	251.9	252.8	251.9	250.6	250.3	251.0	248.2	245.9	245.4
70°	221.6	221.0	222.8	224.7	222.8	221.0	221.6	220.4	218.6	216.7	214.3
72.5°	191.5	192.8	192.2	193.5	192.2	192.8	191.5	191.7	189.9	187.6	185.1
75°	147.5	149.3	148.8	150.6	148.8	149.3	147.5	148.8	147.5	145.1	142.7
77.5°	106.6	106.9	106.6	107.6	106.6	106.9	106.6	107.6	106.2	107.1	104.3
80°	81.4	80.2	78.9	81.4	78.9	80.2	81.4	81.4	79.5	81.4	79.5
82.5°	56.6	57.3	56.1	56.1	56.1	57.3	56.6	58.1	57.2	58.1	56.2
85°	26.1	25.5	24.3	24.3	24.3	25.5	26.1	26.1	28.0	26.7	26.7
87.5°	10.2	9.7	9.8	9.3	9.8	9.7	10.2	10.1	10.2	11.2	11.3
90°	26.8	26.9	27.1	27.3	27.1	26.9	26.8	26.5	26.6	27.0	27.3
92.5°	25.9	25.9	26.0	26.0	26.0	25.9	25.9	25.8	25.8	25.7	25.7
95°	50.8	50.5	50.1	49.7	50.1	50.5	50.8	51.2	51.3	51.3	51.3
97.5°	86.3	86.3	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
100°	110.4	110.3	110.1	110.0	110.1	110.3	110.4	110.7	110.7	110.7	110.7
102.5°	137.4	137.2	137.0	136.9	137.0	137.2	137.4	137.6	137.6	137.4	137.4
105°	178.2	178.2	178.2	178.2	178.2	178.2	178.2	178.2	177.9	177.6	177.2
107.5°	219.4	218.6	217.8	217.0	217.8	218.6	219.4	220.2	220.5	220.5	220.3
110°	248.7	248.2	247.6	247.2	247.6	248.2	248.7	249.3	249.5	249.5	249.5



TEST NUMBER: P331598-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	277.2	276.8	276.4	276.0	276.4	276.8	277.2	277.6	278.0	278.5	278.8
115°	322.6	322.0	321.5	320.9	321.5	322.0	322.6	323.1	323.4	323.6	323.8
117.5°	365.4	364.9	364.3	363.8	364.3	364.9	365.4	365.9	366.4	366.9	367.3
120°	395.5	395.1	394.5	394.0	394.5	395.1	395.5	396.1	396.4	396.4	396.4
122.5°	424.7	424.3	423.9	423.5	423.9	424.3	424.7	425.1	425.5	425.9	426.4
125°	469.1	469.0	468.7	468.6	468.7	469.0	469.1	469.3	469.7	470.2	470.7
127.5°	511.4	510.8	510.2	509.7	510.2	510.8	511.4	511.9	512.5	513.2	513.8
130°	541.3	540.6	539.9	539.2	539.9	540.6	541.3	542.0	542.6	543.0	543.3
132.5°	569.2	568.5	568.0	567.4	568.0	568.5	569.2	569.7	570.4	571.2	572.0
135°	613.0	612.4	612.0	611.4	612.0	612.4	613.0	613.5	613.9	614.1	614.3
137.5°	653.3	652.6	651.9	651.2	651.9	652.6	653.3	654.0	654.5	654.7	654.7
140°	681.0	680.2	679.5	678.8	679.5	680.2	681.0	681.7	682.0	682.0	682.0
142.5°	706.0	705.3	704.6	703.9	704.6	705.3	706.0	706.7	706.9	706.9	706.7
145°	743.5	742.8	742.1	741.4	742.1	742.8	743.5	744.3	744.5	744.3	744.2
147.5°	777.0	776.3	775.6	774.9	775.6	776.3	777.0	777.6	777.8	777.4	777.0
150°	798.4	797.8	797.3	796.8	797.3	797.8	798.4	798.9	798.9	798.4	797.8
152.5°	819.4	818.6	817.9	817.3	817.9	818.6	819.4	820.0	820.0	819.4	818.6
155°	846.5	846.0	845.4	844.9	845.4	846.0	846.5	847.0	846.8	846.0	845.1
157.5°	871.2	870.4	869.5	868.6	869.5	870.4	871.2	872.0	871.9	870.7	869.5
160°	885.6	884.9	884.2	883.4	884.2	884.9	885.6	886.3	886.1	885.0	883.9
162.5°	898.8	897.9	897.1	896.3	897.1	897.9	898.8	899.7	899.5	898.3	897.1
165°	915.8	914.9	914.0	913.1	914.0	914.9	915.8	916.6	916.5	915.2	914.0
167.5°	929.7	928.8	927.8	926.9	927.8	928.8	929.7	930.6	930.4	929.2	928.0
170°	937.2	936.1	935.0	934.0	935.0	936.1	937.2	938.3	938.2	936.9	935.6
172.5°	942.9	941.9	940.8	939.8	940.8	941.9	942.9	944.0	943.9	942.7	941.4
175°	949.2	948.2	947.1	946.0	947.1	948.2	949.2	950.3	950.1	949.0	947.7
177.5°	951.4	950.6	949.7	948.9	949.7	950.6	951.4	952.3	952.3	951.4	950.6
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331598-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1518.0	1523.3	1531.6	1540.3	1545.6	1555.8	1558.8	1563.6	1568.0	1578.2	1588.9
5°	1430.3	1438.8	1458.8	1469.7	1484.9	1502.5	1514.1	1526.2	1539.6	1562.7	1583.9
7.5°	1336.3	1350.5	1375.4	1395.8	1417.5	1442.7	1460.9	1484.9	1504.8	1537.4	1568.4
10°	1273.7	1293.7	1316.2	1340.5	1370.8	1397.5	1423.0	1453.3	1477.7	1516.5	1552.9
12.5°	1217.3	1220.4	1252.5	1279.3	1320.8	1353.8	1383.2	1422.3	1446.0	1492.2	1530.6
15°	1118.9	1137.1	1166.3	1187.5	1236.7	1278.5	1319.8	1360.5	1387.8	1444.9	1495.2
17.5°	1035.9	1052.7	1082.6	1117.4	1152.7	1194.4	1247.8	1290.7	1327.9	1393.1	1452.6
20°	983.5	1004.1	1034.5	1070.3	1101.3	1146.8	1192.9	1242.1	1282.1	1355.7	1425.5
22.5°	938.8	955.1	979.6	1014.9	1048.8	1090.4	1141.0	1194.5	1236.5	1315.8	1386.6
25°	876.0	889.4	905.1	934.3	972.6	1018.1	1057.6	1116.4	1177.7	1251.8	1337.4
27.5°	819.4	828.9	842.9	868.5	898.1	940.7	984.6	1040.5	1102.1	1182.5	1272.8
30°	785.0	791.1	805.0	826.2	855.4	888.7	933.1	986.5	1049.6	1131.0	1220.8
32.5°	754.9	760.4	769.5	789.8	815.1	843.6	883.5	937.0	997.2	1077.1	1176.6
35°	709.7	713.9	721.8	738.2	752.2	780.1	813.5	862.1	918.5	995.1	1098.2
37.5°	664.6	670.5	675.3	682.2	700.2	718.6	747.6	788.6	844.0	921.2	1019.5
40°	635.0	639.8	647.1	650.2	664.8	681.1	704.8	742.4	798.4	868.7	964.6
42.5°	604.9	609.7	614.1	617.7	630.3	644.8	666.0	698.3	747.8	816.3	911.2
45°	564.0	564.6	568.9	575.5	581.6	591.9	607.1	635.0	673.3	737.6	823.8
47.5°	522.4	523.2	523.9	526.8	533.5	542.9	552.9	575.7	609.9	661.2	745.1
50°	494.8	493.5	494.8	497.2	501.5	509.4	520.9	537.3	565.2	613.1	690.2
52.5°	468.1	467.9	467.1	468.1	471.3	476.8	485.0	498.9	523.9	568.0	635.9
55°	427.4	424.4	424.9	422.6	428.0	429.2	435.3	446.8	468.7	499.0	562.8
57.5°	384.0	381.5	378.8	378.1	377.6	380.9	385.7	394.8	411.6	438.2	489.9
60°	356.3	353.3	349.7	348.5	348.5	350.3	352.8	359.4	375.2	398.9	441.3
62.5°	328.2	324.6	322.5	319.3	318.4	320.2	322.6	327.3	338.7	361.0	397.7
65°	284.7	280.5	277.4	276.9	275.6	273.8	275.0	279.9	289.0	306.6	335.7
67.5°	241.1	237.1	236.4	232.9	231.2	231.4	231.2	235.3	240.7	256.0	277.7
70°	212.5	209.5	208.3	205.2	204.0	202.8	201.5	205.2	210.6	223.4	242.2
72.5°	183.3	180.8	178.1	175.5	175.8	174.6	174.4	176.6	181.0	192.8	207.2
75°	141.5	142.0	139.0	136.0	135.4	134.2	134.2	136.0	137.8	146.9	158.4
77.5°	102.6	102.1	99.6	98.6	98.0	96.6	98.0	99.2	100.1	106.2	114.7
80°	78.3	78.3	75.3	75.3	74.7	72.9	74.7	73.4	75.9	82.0	88.0
82.5°	56.0	55.0	54.9	53.9	53.8	52.4	53.3	54.5	55.5	59.7	63.3
85°	27.3	27.3	26.7	26.1	26.7	26.1	26.7	27.3	28.0	29.8	32.8
87.5°	11.4	12.0	11.6	11.3	10.5	10.2	10.1	10.2	10.7	10.8	10.9
90°	27.7	28.0	24.2	20.2	16.3	12.4	9.3	7.2	5.1	2.9	0.8
92.5°	25.6	25.5	24.6	23.7	22.7	21.8	20.6	19.0	17.4	15.8	14.3
95°	51.3	51.3	51.0	50.6	50.3	49.9	48.9	47.1	45.3	43.5	41.7
97.5°	86.3	86.3	85.6	85.0	84.3	83.7	82.5	81.0	79.4	77.8	76.2
100°	110.7	110.7	110.2	109.6	109.1	108.6	107.6	106.2	104.7	103.3	101.9
102.5°	137.2	137.0	136.3	135.7	135.0	134.4	133.4	132.3	131.1	130.0	128.9
105°	176.9	176.5	176.2	175.8	175.5	175.1	174.7	174.1	173.6	173.0	172.5
107.5°	220.1	220.0	220.0	220.0	220.0	220.0	219.6	218.8	218.0	217.3	216.5
110°	249.5	249.5	249.5	249.5	249.5	249.5	249.0	248.0	246.8	245.8	244.7



TEST NUMBER: P331598-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	279.2	279.7	279.9	280.0	280.1	280.3	279.8	278.8	277.7	276.6	275.5
115°	324.0	324.2	324.5	324.9	325.2	325.6	325.2	324.2	323.1	322.0	320.9
117.5°	367.7	368.1	369.2	370.1	371.1	372.1	371.9	370.5	369.1	367.7	366.2
120°	396.4	396.4	397.8	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4
122.5°	426.7	427.1	428.2	429.2	430.2	431.2	430.8	429.1	427.4	425.7	424.0
125°	471.3	471.8	472.3	472.9	473.4	474.0	473.4	471.8	470.2	468.6	467.0
127.5°	514.4	515.2	515.8	516.4	517.1	517.7	517.0	515.0	512.9	510.9	508.9
130°	543.7	544.0	544.4	544.7	545.1	545.4	544.5	542.2	539.8	537.5	535.2
132.5°	572.7	573.5	573.5	573.4	573.3	573.2	572.3	570.4	568.5	566.6	564.7
135°	614.4	614.6	614.3	613.9	613.5	613.1	612.0	610.1	608.1	606.2	604.2
137.5°	654.9	655.1	654.6	654.1	653.6	653.2	652.1	650.5	649.0	647.4	645.7
140°	682.0	682.0	681.1	680.2	679.4	678.4	677.2	675.6	674.0	672.4	670.7
142.5°	706.5	706.4	705.8	705.2	704.6	704.0	702.9	701.2	699.7	698.1	696.5
145°	743.9	743.8	742.8	741.6	740.6	739.5	738.4	737.1	735.9	734.6	733.3
147.5°	776.6	776.2	775.5	774.8	774.0	773.3	772.2	770.7	769.3	767.8	766.3
150°	797.3	796.8	796.1	795.4	794.6	793.9	793.0	791.9	790.8	789.8	788.7
152.5°	817.9	817.3	816.4	815.6	814.8	813.9	812.9	811.8	810.8	809.7	808.7
155°	844.1	843.3	842.7	842.2	841.7	841.1	840.6	840.1	839.6	839.0	838.4
157.5°	868.2	867.0	866.7	866.4	866.1	865.8	865.4	865.1	864.7	864.4	864.0
160°	882.9	881.8	881.6	881.5	881.3	881.1	880.8	880.4	880.1	879.7	879.4
162.5°	895.9	894.6	894.5	894.3	894.1	893.9	893.8	893.7	893.7	893.6	893.5
165°	912.8	911.5	911.5	911.5	911.5	911.5	911.6	911.7	912.0	912.1	912.3
167.5°	926.7	925.4	925.5	925.5	925.6	925.6	925.9	926.4	926.9	927.5	928.0
170°	934.4	933.2	933.3	933.5	933.7	933.9	934.2	934.8	935.3	935.8	936.4
172.5°	940.2	938.9	939.1	939.3	939.4	939.6	940.0	940.6	941.0	941.6	942.1
175°	946.4	945.2	945.5	945.9	946.3	946.6	947.1	947.6	948.2	948.6	949.2
177.5°	949.7	948.9	949.2	949.4	949.7	950.0	950.4	950.8	951.3	951.6	952.1
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



TEST NUMBER: P331598-927

CATALOG NUMBER: S122DIW-S1005D970U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1587.9	1590.3	1598.1	1605.9	1614.6	1617.1	1621.0	1617.6	1616.5	1625.8	1632.6
5°	1592.4	1603.3	1624.6	1644.0	1660.4	1671.9	1684.1	1688.9	1698.0	1710.8	1726.6
7.5°	1587.3	1608.5	1642.0	1670.2	1701.1	1723.3	1740.7	1755.5	1773.5	1797.6	1823.9
10°	1581.4	1610.0	1650.7	1685.3	1722.9	1751.4	1775.1	1798.2	1825.0	1858.3	1892.9
12.5°	1570.8	1604.6	1655.5	1696.5	1744.8	1772.8	1804.7	1854.6	1883.2	1929.7	1978.4
15°	1549.3	1586.9	1658.0	1708.3	1763.0	1816.4	1875.3	1922.6	1970.0	1997.3	2065.9
17.5°	1517.3	1572.6	1651.3	1710.1	1779.5	1863.6	1929.8	1983.5	2038.1	2082.4	2116.8
20°	1491.6	1551.7	1641.6	1712.0	1794.5	1885.0	1960.9	2015.5	2062.9	2099.9	2121.1
22.5°	1459.0	1534.7	1622.2	1704.7	1810.1	1899.6	1979.3	2022.4	2061.9	2080.0	2088.1
25°	1407.9	1498.9	1597.8	1698.7	1817.7	1912.3	1985.2	2011.3	2022.8	2005.3	1976.1
27.5°	1352.6	1454.1	1569.8	1687.2	1813.0	1904.1	1956.3	1952.2	1932.6	1875.7	1830.1
30°	1311.3	1423.0	1547.4	1675.5	1801.8	1890.5	1920.8	1890.5	1846.2	1782.4	1717.5
32.5°	1268.1	1383.7	1523.7	1659.1	1781.5	1859.4	1866.0	1813.8	1745.2	1672.7	1591.7
35°	1202.6	1327.7	1478.8	1622.2	1738.1	1787.2	1758.2	1665.9	1584.5	1485.6	1375.1
37.5°	1128.7	1266.8	1418.4	1568.1	1673.2	1686.0	1613.7	1516.5	1401.8	1285.5	1155.4
40°	1073.3	1219.6	1375.7	1526.9	1619.7	1606.4	1514.1	1407.2	1270.7	1128.5	1007.7
42.5°	1023.8	1170.1	1329.0	1477.3	1551.7	1515.0	1407.2	1276.1	1129.3	995.5	884.9
45°	937.9	1088.5	1251.3	1394.5	1437.0	1370.8	1228.1	1082.4	937.9	826.2	738.9
47.5°	854.7	1003.5	1164.7	1290.5	1305.6	1216.6	1060.7	910.8	786.6	695.6	633.9
50°	793.4	942.8	1102.5	1214.8	1209.9	1102.5	942.2	799.5	695.7	622.3	581.0
52.5°	738.6	879.6	1033.0	1135.1	1109.4	992.2	839.2	712.6	627.2	569.8	532.4
55°	653.2	783.8	929.5	1011.4	964.1	834.2	704.8	602.9	539.7	496.6	467.5
57.5°	568.5	690.9	815.6	866.1	813.7	693.8	586.0	512.0	464.5	432.6	413.7
60°	516.0	622.9	734.0	777.7	715.2	608.3	523.3	457.2	418.9	392.8	375.8
62.5°	463.6	559.3	664.0	687.9	630.7	540.3	465.0	410.0	378.6	355.4	339.4
65°	392.2	470.5	550.0	565.8	513.0	443.1	383.7	347.8	320.0	302.9	290.2
67.5°	321.6	384.5	440.8	453.6	407.3	358.9	315.9	284.7	265.8	251.7	240.9
70°	279.9	329.6	375.8	386.1	349.1	305.9	273.2	248.3	231.3	219.2	208.8
72.5°	235.7	277.2	315.5	322.5	292.2	259.4	232.4	212.9	197.8	190.0	180.2
75°	180.3	204.6	234.3	236.1	216.1	196.1	175.5	162.7	154.8	145.1	140.2
77.5°	127.2	146.3	163.3	166.6	154.7	141.1	129.5	119.5	112.8	108.3	103.8
80°	97.1	112.3	119.6	123.8	115.3	105.6	98.9	92.3	88.0	85.0	82.0
82.5°	69.5	78.8	85.6	88.9	84.3	78.4	71.8	68.0	64.7	62.2	61.1
85°	35.2	39.5	43.7	44.9	43.7	41.3	37.6	37.6	35.8	35.2	35.2
87.5°	12.8	15.1	15.5	17.4	17.0	17.8	18.6	18.9	19.3	18.7	18.1
90°	2.9	5.1	7.2	9.3	12.4	16.3	20.2	24.2	28.0	27.7	27.3
92.5°	15.8	17.4	19.0	20.6	21.8	22.7	23.7	24.6	25.5	25.6	25.7
95°	43.5	45.3	47.1	48.9	49.9	50.3	50.6	51.0	51.3	51.3	51.3
97.5°	77.8	79.4	81.0	82.5	83.7	84.3	85.0	85.6	86.3	86.3	86.3
100°	103.3	104.7	106.2	107.6	108.6	109.1	109.6	110.2	110.7	110.7	110.7
102.5°	130.0	131.1	132.3	133.4	134.4	135.0	135.7	136.3	137.0	137.2	137.4
105°	173.0	173.6	174.1	174.7	175.1	175.5	175.8	176.2	176.5	176.9	177.2
107.5°	217.3	218.0	218.8	219.6	220.0	220.0	220.0	220.0	220.0	220.1	220.3
110°	245.8	246.8	248.0	249.0	249.5	249.5	249.5	249.5	249.5	249.5	249.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.6	277.7	278.8	279.8	280.3	280.1	280.0	279.9	279.7	279.2	278.8
115°	322.0	323.1	324.2	325.2	325.6	325.2	324.9	324.5	324.2	324.0	323.8
117.5°	367.7	369.1	370.5	371.9	372.1	371.1	370.1	369.2	368.1	367.7	367.3
120°	397.8	399.3	400.7	402.1	402.1	400.7	399.3	397.8	396.4	396.4	396.4
122.5°	425.7	427.4	429.1	430.8	431.2	430.2	429.2	428.2	427.1	426.7	426.4
125°	468.6	470.2	471.8	473.4	474.0	473.4	472.9	472.3	471.8	471.3	470.7
127.5°	510.9	512.9	515.0	517.0	517.7	517.1	516.4	515.8	515.2	514.4	513.8
130°	537.5	539.8	542.2	544.5	545.4	545.1	544.7	544.4	544.0	543.7	543.3
132.5°	566.6	568.5	570.4	572.3	573.2	573.3	573.4	573.5	573.5	572.7	572.0
135°	606.2	608.1	610.1	612.0	613.1	613.5	613.9	614.3	614.6	614.4	614.3
137.5°	647.4	649.0	650.5	652.1	653.2	653.6	654.1	654.6	655.1	654.9	654.7
140°	672.4	674.0	675.6	677.2	678.4	679.4	680.2	681.1	682.0	682.0	682.0
142.5°	698.1	699.7	701.2	702.9	704.0	704.6	705.2	705.8	706.4	706.5	706.7
145°	734.6	735.9	737.1	738.4	739.5	740.6	741.6	742.8	743.8	743.9	744.2
147.5°	767.8	769.3	770.7	772.2	773.3	774.0	774.8	775.5	776.2	776.6	777.0
150°	789.8	790.8	791.9	793.0	793.9	794.6	795.4	796.1	796.8	797.3	797.8
152.5°	809.7	810.8	811.8	812.9	813.9	814.8	815.6	816.4	817.3	817.9	818.6
155°	839.0	839.6	840.1	840.6	841.1	841.7	842.2	842.7	843.3	844.1	845.1
157.5°	864.4	864.7	865.1	865.4	865.8	866.1	866.4	866.7	867.0	868.2	869.5
160°	879.7	880.1	880.4	880.8	881.1	881.3	881.5	881.6	881.8	882.9	883.9
162.5°	893.6	893.7	893.7	893.8	893.9	894.1	894.3	894.5	894.6	895.9	897.1
165°	912.1	912.0	911.7	911.6	911.5	911.5	911.5	911.5	911.5	912.8	914.0
167.5°	927.5	926.9	926.4	925.9	925.6	925.6	925.5	925.5	925.4	926.7	928.0
170°	935.8	935.3	934.8	934.2	933.9	933.7	933.5	933.3	933.2	934.4	935.6
172.5°	941.6	941.0	940.6	940.0	939.6	939.4	939.3	939.1	938.9	940.2	941.4
175°	948.6	948.2	947.6	947.1	946.6	946.3	945.9	945.5	945.2	946.4	947.7
177.5°	951.6	951.3	950.8	950.4	950.0	949.7	949.4	949.2	948.9	949.7	950.6
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8	950.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1638.4	1645.2	1645.2	1646.2	1653.9	1653.0	1652.5
5°	1743.6	1753.9	1755.1	1766.0	1773.3	1770.8	1764.2
7.5°	1842.8	1861.9	1876.5	1884.7	1894.3	1900.2	1897.5
10°	1921.4	1949.4	1966.4	1977.9	1991.9	2002.2	1998.5
12.5°	1992.8	2026.1	2049.5	2069.2	2071.0	2084.2	2075.3
15°	2104.2	2139.4	2143.0	2157.6	2169.2	2167.9	2168.5
17.5°	2141.0	2152.3	2154.6	2154.9	2155.1	2150.8	2141.6
20°	2127.9	2123.6	2113.3	2105.4	2091.4	2089.6	2077.5
22.5°	2065.7	2052.2	2026.3	2009.2	1987.5	1981.8	1978.4
25°	1943.3	1913.5	1872.2	1832.8	1821.9	1800.6	1806.7
27.5°	1775.4	1729.0	1684.3	1652.3	1623.3	1591.4	1600.5
30°	1657.3	1605.1	1542.0	1493.4	1462.4	1432.1	1426.6
32.5°	1516.5	1440.0	1369.6	1326.8	1279.4	1260.2	1239.2
35°	1273.7	1199.0	1129.2	1069.1	1034.5	1007.7	983.5
37.5°	1055.3	969.3	912.9	864.3	839.2	823.9	827.8
40°	919.7	844.5	803.2	766.1	743.1	732.1	734.6
42.5°	810.0	753.6	719.6	694.3	678.0	671.9	670.5
45°	685.4	653.9	625.9	611.3	603.5	596.8	592.6
47.5°	600.4	574.6	558.9	550.2	543.4	536.5	536.4
50°	549.4	532.4	521.5	512.4	506.9	502.1	506.3
52.5°	510.6	495.0	484.1	475.9	473.9	469.5	469.4
55°	452.9	440.8	432.8	425.6	421.9	419.5	416.5
57.5°	400.4	388.9	381.6	377.0	370.1	367.7	366.7
60°	363.1	353.9	346.7	340.6	337.5	332.7	332.7
62.5°	328.5	319.5	312.7	308.0	303.1	301.1	301.6
65°	278.7	271.4	264.7	259.8	258.6	255.0	256.2
67.5°	232.7	227.9	220.9	218.2	215.9	214.0	212.5
70°	202.2	197.3	193.7	190.0	188.2	188.2	188.2
72.5°	176.4	170.6	168.4	163.8	164.9	163.0	161.0
75°	136.6	132.9	131.1	129.3	126.3	126.3	126.3
77.5°	100.5	99.4	97.3	95.3	94.6	94.0	94.2
80°	77.7	77.1	75.9	75.9	74.7	74.1	72.9
82.5°	59.7	58.1	57.4	57.0	56.7	56.6	56.3
85°	34.0	32.8	32.8	33.4	32.2	32.2	32.8
87.5°	18.5	18.5	17.9	18.0	18.5	18.1	18.1
90°	27.0	26.6	26.5	26.8	26.9	27.1	27.3
92.5°	25.7	25.8	25.8	25.9	25.9	26.0	26.0
95°	51.3	51.3	51.2	50.8	50.5	50.1	49.7
97.5°	86.3	86.3	86.3	86.3	86.3	86.2	86.2
100°	110.7	110.7	110.7	110.4	110.3	110.1	110.0
102.5°	137.4	137.6	137.6	137.4	137.2	137.0	136.9
105°	177.6	177.9	178.2	178.2	178.2	178.2	178.2
107.5°	220.5	220.5	220.2	219.4	218.6	217.8	217.0
110°	249.5	249.5	249.3	248.7	248.2	247.6	247.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	278.5	278.0	277.6	277.2	276.8	276.4	276.0
115°	323.6	323.4	323.1	322.6	322.0	321.5	320.9
117.5°	366.9	366.4	365.9	365.4	364.9	364.3	363.8
120°	396.4	396.4	396.1	395.5	395.1	394.5	394.0
122.5°	425.9	425.5	425.1	424.7	424.3	423.9	423.5
125°	470.2	469.7	469.3	469.1	469.0	468.7	468.6
127.5°	513.2	512.5	511.9	511.4	510.8	510.2	509.7
130°	543.0	542.6	542.0	541.3	540.6	539.9	539.2
132.5°	571.2	570.4	569.7	569.2	568.5	568.0	567.4
135°	614.1	613.9	613.5	613.0	612.4	612.0	611.4
137.5°	654.7	654.5	654.0	653.3	652.6	651.9	651.2
140°	682.0	682.0	681.7	681.0	680.2	679.5	678.8
142.5°	706.9	706.9	706.7	706.0	705.3	704.6	703.9
145°	744.3	744.5	744.3	743.5	742.8	742.1	741.4
147.5°	777.4	777.8	777.6	777.0	776.3	775.6	774.9
150°	798.4	798.9	798.9	798.4	797.8	797.3	796.8
152.5°	819.4	820.0	820.0	819.4	818.6	817.9	817.3
155°	846.0	846.8	847.0	846.5	846.0	845.4	844.9
157.5°	870.7	871.9	872.0	871.2	870.4	869.5	868.6
160°	885.0	886.1	886.3	885.6	884.9	884.2	883.4
162.5°	898.3	899.5	899.7	898.8	897.9	897.1	896.3
165°	915.2	916.5	916.6	915.8	914.9	914.0	913.1
167.5°	929.2	930.4	930.6	929.7	928.8	927.8	926.9
170°	936.9	938.2	938.3	937.2	936.1	935.0	934.0
172.5°	942.7	943.9	944.0	942.9	941.9	940.8	939.8
175°	949.0	950.1	950.3	949.2	948.2	947.1	946.0
177.5°	951.4	952.3	952.3	951.4	950.6	949.7	948.9
180°	950.8	950.8	950.8	950.8	950.8	950.8	950.8

(END OF REPORT)