

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: P332366-927

Luminaire Tested: **S123RDIP-S1165D585U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332366-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S1165D585U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477.7 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: Semi-Direct

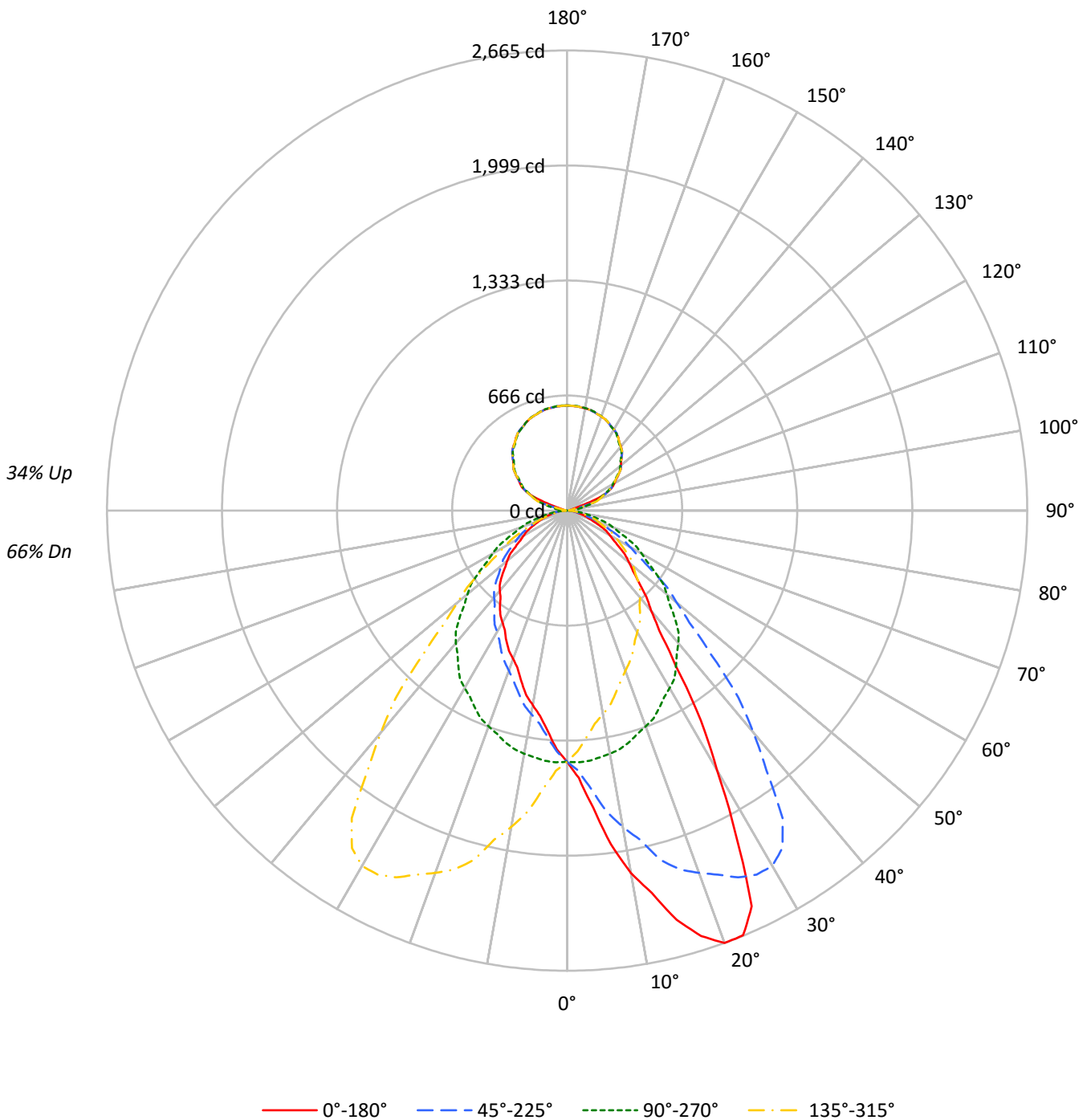
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	81	81	81	71	71	71	66
1	102	98	94	91	96	93	89	86	82	80	78	73	71	69	64	63	61	57
2	94	87	81	76	88	82	77	72	73	69	65	65	62	59	57	55	53	49
3	86	77	70	64	81	73	66	61	65	60	56	58	54	51	51	48	46	43
4	79	69	61	55	74	65	58	53	58	53	48	52	48	44	46	43	40	37
5	73	62	54	48	69	58	51	46	53	47	42	47	43	39	42	39	36	33
6	67	56	48	42	63	53	46	40	48	42	37	43	38	35	39	35	32	29
7	63	50	43	37	59	48	41	36	44	38	33	39	34	31	35	31	28	26
8	58	46	38	33	55	44	37	32	40	34	30	36	31	28	33	29	26	24
9	54	42	35	30	51	40	34	29	37	31	27	33	29	25	30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	25	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15655	15655	15655	15655
5°	18662	15722	13846	15722
10°	23302	15632	12508	15632
15°	27351	15473	11407	15473
20°	30525	15234	10470	15234
25°	30037	14982	9894	14982
30°	21592	14751	9302	14751
35°	14416	14448	8918	14448
40°	10621	14085	8521	14085
45°	8910	13449	8132	13449
50°	7860	12616	7591	12616
55°	6893	11661	6848	11661
60°	6140	10749	6273	10749
65°	5392	9770	5835	9770
70°	4233	8897	5331	8897
75°	3730	7769	4870	7769
80°	3242	6602	4785	6602
85°	2618	5298	5076	5298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	2.6
10°-20°	446.9	8.2
20°-30°	702.0	12.8
30°-40°	732.4	13.4
40°-50°	626.8	11.4
50°-60°	477.7	8.7
60°-70°	306.2	5.6
70°-80°	147.3	2.7
80°-90°	40.7	0.7
90°-100°	22.1	0.4
100°-110°	105.4	1.9
110°-120°	253.1	4.6
120°-130°	322.3	5.9
130°-140°	344.4	6.3
140°-150°	322.0	5.9
150°-160°	259.8	4.7
160°-170°	167.7	3.1
170°-180°	57.8	1.1
0°-30°	1291.9	23.6
0°-40°	2024.3	37.0
0°-60°	3128.9	57.1
0°-90°	3623.1	66.1
90°-120°	380.6	6.9
90°-150°	1369.4	25.0
90°-180°	1855.0	33.9
0°-180°	5477.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1454	1454	1454	1454	1454	
5°	1727	1455	1281	1455	1727	178
15°	2454	1388	1024	1388	2454	696
25°	2529	1262	833	1262	2529	1087
35°	1097	1100	679	1100	1097	719
45°	585	884	534	884	585	460
55°	367	621	365	621	367	332
65°	212	384	229	384	212	208
75°	90	187	117	187	90	96
85°	21	43	41	43	21	25
90°	14	0	14	0	14	7
95°	17	28	17	28	17	14
105°	20	135	20	135	20	45
115°	266	252	266	252	266	246
125°	363	356	363	356	363	324
135°	448	443	448	443	448	345
145°	516	511	516	511	516	322
155°	562	563	562	563	562	259
165°	593	594	593	594	593	167
175°	606	608	606	608	606	58
180°	608	608	608	608	608	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1549.1	1551.1	1544.6	1543.6	1536.1	1534.1	1534.1	1523.7	1517.2	1508.8	1503.8
5°	1727.2	1737.2	1732.2	1720.9	1702.2	1697.9	1686.1	1667.4	1646.2	1620.1	1607.7
7.5°	1949.6	1963.2	1958.0	1940.6	1921.0	1905.3	1871.8	1840.9	1797.4	1759.3	1726.6
10°	2131.9	2117.6	2106.3	2089.5	2071.5	2042.2	2007.4	1959.4	1904.0	1860.4	1811.9
12.5°	2268.3	2266.0	2251.8	2234.5	2209.0	2181.2	2138.3	2080.0	2015.5	1952.6	1897.0
15°	2454.4	2458.1	2448.8	2430.7	2394.6	2345.4	2280.7	2256.5	2164.2	2095.8	2027.3
17.5°	2583.1	2582.4	2581.2	2556.1	2519.3	2484.3	2424.2	2360.4	2277.0	2180.5	2088.2
20°	2664.8	2658.6	2659.9	2631.9	2604.5	2564.0	2505.4	2412.7	2344.2	2232.8	2137.5
22.5°	2662.8	2661.7	2666.3	2656.7	2636.9	2605.8	2559.8	2481.4	2394.1	2281.6	2174.4
25°	2529.1	2524.1	2553.4	2561.5	2593.3	2598.8	2585.1	2542.2	2459.4	2343.6	2211.0
27.5°	2116.7	2113.9	2168.3	2236.3	2322.4	2389.4	2454.2	2485.4	2459.4	2376.5	2243.6
30°	1737.2	1795.6	1823.0	1921.4	2031.0	2161.8	2276.3	2385.3	2412.0	2376.0	2267.0
32.5°	1442.2	1493.3	1516.2	1600.7	1702.8	1855.9	2027.7	2182.1	2291.1	2318.6	2253.0
35°	1097.1	1097.7	1150.0	1187.3	1282.0	1439.6	1606.4	1813.1	2018.6	2174.2	2190.4
37.5°	875.4	878.5	910.1	947.4	1018.4	1101.7	1248.6	1420.5	1657.8	1896.8	2036.9
40°	755.9	761.4	785.1	821.9	872.9	935.8	1050.4	1212.3	1410.2	1676.1	1893.4
42.5°	679.1	688.2	700.4	728.7	760.3	819.3	911.9	1037.0	1217.0	1468.4	1719.1
45°	585.3	590.3	599.6	612.7	641.3	682.4	744.7	828.7	978.2	1180.5	1431.4
47.5°	516.3	513.7	523.5	534.1	553.2	581.1	622.9	691.5	798.1	960.4	1173.3
50°	469.4	468.8	475.7	483.8	501.8	522.4	556.7	608.3	693.0	827.5	1022.4
52.5°	425.6	428.0	432.8	442.9	456.0	472.6	503.4	540.6	613.3	729.4	891.8
55°	367.3	369.2	376.0	381.7	391.0	407.8	427.1	458.3	508.1	589.0	722.9
57.5°	318.1	317.2	323.8	325.1	335.7	349.4	364.3	388.5	424.6	484.8	575.0
60°	285.2	283.3	288.9	293.3	298.9	310.1	322.5	346.2	374.9	419.1	496.2
62.5°	255.2	254.4	258.5	262.8	267.5	277.7	288.1	306.3	329.0	366.2	427.5
65°	211.7	213.6	215.4	217.3	219.8	226.0	236.0	248.4	264.0	290.2	334.4
67.5°	166.4	168.3	168.9	172.7	178.1	182.0	188.1	199.2	209.9	232.0	257.1
70°	134.5	133.9	134.5	136.3	143.2	150.0	158.1	166.3	173.1	188.6	209.8
72.5°	115.6	114.5	116.1	116.5	119.8	121.7	126.7	134.4	143.2	153.8	169.0
75°	89.7	89.7	89.7	89.7	92.1	93.4	95.3	97.1	100.2	105.2	116.5
77.5°	66.2	66.4	67.3	67.9	68.4	69.1	70.3	72.1	73.2	75.8	80.7
80°	52.3	52.9	52.3	52.9	52.9	54.2	54.8	56.6	57.3	60.4	62.3
82.5°	39.4	39.0	39.4	40.0	40.0	41.2	41.4	42.7	42.9	44.4	46.3
85°	21.2	20.0	21.2	20.5	21.8	20.5	21.2	22.4	22.4	23.1	25.5
87.5°	7.7	8.6	7.6	8.1	8.0	8.5	8.4	8.3	9.2	8.6	8.9
90°	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6	11.2	10.9	9.5
92.5°	15.0	14.9	14.7	14.7	14.5	14.1	13.5	12.8	12.2	11.6	10.6
95°	17.2	17.2	17.2	17.2	17.2	16.8	16.1	15.4	14.7	14.0	12.9
97.5°	18.6	18.5	18.4	18.3	18.2	17.7	17.0	16.2	15.4	14.6	21.8
100°	19.0	18.9	18.8	18.7	18.5	18.1	17.3	16.5	15.7	14.9	30.6
102.5°	19.3	19.2	19.0	18.8	18.6	19.8	22.3	24.7	27.3	29.7	46.8
105°	19.9	19.6	19.5	19.3	19.1	27.9	45.6	63.4	81.2	98.9	108.0
107.5°	62.4	75.8	89.2	102.6	116.1	129.2	142.3	155.3	168.3	181.3	179.9
110°	124.2	138.6	153.0	167.3	181.6	190.5	193.8	197.2	200.4	203.7	202.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	213.2	216.2	219.2	222.3	225.3	226.8	226.7	226.6	226.6	226.6	225.5
115°	265.7	265.3	264.9	264.4	264.0	263.4	262.4	261.3	260.4	259.4	258.4
117.5°	295.2	295.1	295.0	294.9	294.9	294.4	293.6	292.8	292.0	291.1	290.7
120°	315.4	315.4	315.4	315.4	315.4	315.0	314.2	313.4	312.6	311.7	311.5
122.5°	335.3	335.2	335.1	335.0	334.9	334.6	334.1	333.5	333.0	332.4	332.0
125°	363.3	363.1	362.9	362.7	362.5	362.3	362.0	361.9	361.6	361.5	361.1
127.5°	390.2	390.4	390.6	390.8	391.0	390.9	390.6	390.3	390.0	389.7	389.2
130°	407.6	407.7	408.0	408.1	408.4	408.2	407.8	407.4	407.0	406.6	406.2
132.5°	423.4	423.7	424.0	424.3	424.6	424.5	424.1	423.7	423.3	422.9	422.6
135°	447.7	448.1	448.4	448.7	448.9	448.9	448.7	448.4	448.1	447.7	447.3
137.5°	470.6	470.8	471.0	471.2	471.4	471.3	470.8	470.3	469.8	469.4	469.1
140°	484.3	484.6	484.7	485.0	485.1	485.1	484.7	484.3	483.9	483.5	483.2
142.5°	497.0	497.3	497.6	497.9	498.1	498.1	497.8	497.5	497.2	496.9	496.5
145°	516.4	516.4	516.4	516.4	516.4	516.3	516.1	515.9	515.7	515.6	515.3
147.5°	530.9	531.4	531.8	532.3	532.7	532.9	532.7	532.5	532.3	532.1	531.9
150°	541.8	542.0	542.3	542.6	543.0	543.0	542.8	542.6	542.4	542.2	542.0
152.5°	550.4	550.9	551.4	551.8	552.2	552.3	551.9	551.6	551.2	550.9	550.7
155°	562.5	563.2	563.7	564.4	564.9	565.0	564.5	564.0	563.5	563.0	562.8
157.5°	572.7	573.5	574.3	575.0	575.8	576.0	575.4	574.7	574.2	573.5	573.6
160°	579.2	580.0	580.7	581.4	582.0	582.1	581.5	580.9	580.3	579.7	579.8
162.5°	585.4	586.0	586.6	587.2	587.9	587.9	587.2	586.5	585.8	585.1	585.2
165°	592.8	593.5	594.2	594.9	595.6	595.6	594.8	594.0	593.2	592.3	592.5
167.5°	598.1	599.0	599.8	600.6	601.3	601.3	600.6	599.8	599.0	598.1	598.1
170°	601.3	602.2	603.0	603.8	604.6	604.6	603.8	603.0	602.2	601.3	601.3
172.5°	603.2	604.0	605.0	605.9	606.7	606.7	605.9	605.1	604.4	603.6	603.5
175°	605.9	606.7	607.5	608.3	609.1	609.2	608.5	607.8	607.0	606.3	606.3
177.5°	606.7	607.5	608.3	609.1	609.9	610.0	609.3	608.7	608.1	607.4	607.4
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1501.8	1500.3	1493.3	1485.3	1474.9	1467.9	1462.4	1459.4	1450.5	1439.6	1432.0
5°	1594.6	1575.9	1555.9	1531.7	1509.3	1486.2	1471.9	1455.1	1434.6	1411.5	1395.3
7.5°	1693.9	1657.3	1617.9	1577.2	1536.9	1500.8	1468.9	1441.6	1408.9	1375.9	1352.7
10°	1770.1	1716.6	1661.2	1604.5	1552.8	1504.3	1466.9	1430.2	1391.0	1353.0	1324.4
12.5°	1839.4	1768.9	1705.0	1635.4	1569.3	1511.2	1457.5	1414.2	1367.1	1326.6	1294.0
15°	1927.1	1854.8	1777.6	1671.7	1584.0	1510.5	1445.1	1388.5	1331.2	1281.4	1249.6
17.5°	2009.0	1900.3	1796.5	1708.3	1594.2	1502.4	1422.6	1354.9	1292.0	1239.1	1200.1
20°	2042.9	1937.6	1825.0	1712.2	1600.1	1497.5	1404.6	1329.9	1264.6	1204.8	1168.7
22.5°	2063.2	1944.1	1825.4	1704.3	1585.2	1478.5	1386.7	1304.6	1233.7	1176.9	1132.3
25°	2087.1	1945.1	1814.3	1694.8	1573.4	1457.6	1348.6	1261.5	1184.9	1124.5	1077.1
27.5°	2102.8	1935.8	1781.2	1648.4	1525.2	1409.8	1310.0	1217.6	1140.0	1076.0	1025.2
30°	2105.7	1928.3	1755.8	1612.0	1486.8	1381.0	1275.2	1186.8	1104.5	1036.6	989.4
32.5°	2109.7	1909.9	1721.4	1568.7	1440.5	1335.7	1239.8	1155.3	1071.2	1004.3	956.0
35°	2093.3	1899.7	1669.3	1493.7	1365.4	1263.9	1177.4	1099.5	1016.8	952.0	902.9
37.5°	2022.5	1859.2	1615.3	1409.3	1275.2	1181.1	1110.6	1042.7	966.9	897.0	850.6
40°	1951.3	1819.3	1573.4	1358.0	1217.9	1121.3	1057.9	1002.4	929.0	863.6	813.8
42.5°	1845.2	1765.1	1533.5	1304.2	1153.1	1060.1	1006.5	954.6	890.1	823.7	776.9
45°	1650.6	1661.2	1452.0	1218.5	1063.4	970.0	919.6	883.5	826.2	771.4	723.5
47.5°	1406.5	1505.5	1356.2	1127.2	968.9	881.3	837.2	805.6	767.1	713.3	669.6
50°	1247.1	1388.5	1279.5	1066.0	909.7	822.5	778.9	753.4	719.8	677.4	635.7
52.5°	1100.2	1252.0	1186.8	997.7	845.4	765.7	723.1	702.1	675.4	635.6	597.9
55°	897.2	1051.0	1036.1	894.7	749.0	677.4	645.1	621.4	603.3	573.5	543.6
57.5°	725.7	871.6	879.2	780.1	664.1	593.3	565.5	547.6	535.8	513.3	485.7
60°	617.7	751.5	777.7	703.0	603.3	541.1	513.7	499.3	490.0	472.0	450.8
62.5°	528.0	641.9	671.5	617.7	545.0	486.8	465.3	451.5	445.2	429.6	410.9
65°	404.1	498.8	527.4	497.5	459.5	412.8	395.4	383.6	378.0	369.2	355.5
67.5°	303.9	372.8	404.3	383.2	369.5	339.9	328.8	322.5	317.5	311.6	300.1
70°	244.1	295.1	327.5	321.9	310.7	295.1	287.0	282.7	277.7	272.7	262.8
72.5°	196.2	231.4	261.7	264.6	255.4	252.3	245.2	243.4	240.3	234.3	228.9
75°	130.2	154.4	175.5	183.7	187.4	190.5	187.4	186.8	186.2	181.2	178.1
77.5°	85.3	98.4	111.7	125.6	131.3	135.6	136.6	138.9	137.2	134.6	133.1
80°	65.4	68.5	77.8	89.7	99.0	102.7	105.2	106.5	105.8	105.2	102.7
82.5°	47.5	50.1	54.4	62.7	70.6	76.8	78.3	78.1	79.5	79.9	77.8
85°	25.5	26.1	27.4	28.7	33.0	39.8	41.7	42.9	44.2	44.2	40.5
87.5°	9.6	8.9	9.6	9.3	10.7	10.9	13.7	16.0	16.7	15.0	15.1
90°	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5	1.4	2.5	3.5
92.5°	9.6	8.6	7.6	7.3	7.5	7.8	8.2	8.4	8.2	7.8	7.5
95°	11.8	10.7	9.6	11.1	15.2	19.3	23.4	27.6	23.4	19.3	15.2
97.5°	29.0	36.2	43.5	48.0	49.8	51.7	53.6	55.4	53.6	51.7	49.8
100°	46.3	61.9	77.6	84.4	82.4	80.4	78.3	76.4	78.3	80.4	82.4
102.5°	63.9	81.0	98.2	106.0	104.6	103.1	101.6	100.2	101.6	103.1	104.6
105°	117.0	126.0	135.1	139.0	137.9	136.9	135.8	134.7	135.8	136.9	137.9
107.5°	178.5	177.1	175.6	174.5	173.6	172.8	171.8	171.0	171.8	172.8	173.6
110°	201.5	200.4	199.4	198.4	197.6	196.8	196.0	195.2	196.0	196.8	197.6



TEST NUMBER: P332366-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	224.3	223.2	222.1	221.2	220.5	219.8	219.0	218.3	219.0	219.8	220.5
115°	257.5	256.7	255.7	255.0	254.4	253.7	253.2	252.5	253.2	253.7	254.4
117.5°	290.3	289.8	289.3	288.7	288.0	287.2	286.5	285.7	286.5	287.2	288.0
120°	311.2	310.9	310.5	310.0	309.0	308.2	307.2	306.3	307.2	308.2	309.0
122.5°	331.6	331.2	330.8	330.3	329.5	328.8	328.0	327.3	328.0	328.8	329.5
125°	360.7	360.3	359.9	359.3	358.5	357.7	356.9	356.0	356.9	357.7	358.5
127.5°	388.7	388.2	387.7	387.1	386.3	385.5	384.7	383.9	384.7	385.5	386.3
130°	405.8	405.4	405.0	404.4	403.6	402.8	402.0	401.2	402.0	402.8	403.6
132.5°	422.2	421.9	421.6	421.0	420.3	419.5	418.7	417.9	418.7	419.5	420.3
135°	446.9	446.6	446.2	445.7	445.0	444.4	443.9	443.2	443.9	444.4	445.0
137.5°	468.9	468.7	468.5	467.9	467.2	466.4	465.7	464.9	465.7	466.4	467.2
140°	482.8	482.5	482.3	481.8	481.2	480.6	480.0	479.3	480.0	480.6	481.2
142.5°	496.2	495.9	495.6	495.2	494.6	494.0	493.4	492.7	493.4	494.0	494.6
145°	515.2	514.9	514.8	514.3	513.6	512.9	512.1	511.4	512.1	512.9	513.6
147.5°	531.6	531.5	531.2	530.9	530.4	530.0	529.6	529.1	529.6	530.0	530.4
150°	541.8	541.6	541.4	541.1	540.8	540.5	540.3	540.0	540.3	540.5	540.8
152.5°	550.6	550.5	550.4	550.2	550.1	549.9	549.9	549.7	549.9	549.9	550.1
155°	562.8	562.7	562.6	562.6	562.8	563.0	563.2	563.4	563.2	563.0	562.8
157.5°	573.8	573.9	573.9	574.0	574.0	574.0	574.1	574.1	574.1	574.0	574.0
160°	579.9	580.0	580.1	580.2	580.3	580.4	580.5	580.6	580.5	580.4	580.3
162.5°	585.3	585.4	585.5	585.7	586.0	586.2	586.5	586.8	586.5	586.2	586.0
165°	592.6	592.6	592.7	592.9	593.3	593.6	593.8	594.1	593.8	593.6	593.3
167.5°	598.1	598.1	598.1	598.3	598.7	599.1	599.5	599.9	599.5	599.1	598.7
170°	601.3	601.3	601.3	601.6	602.0	602.4	602.8	603.2	602.8	602.4	602.0
172.5°	603.4	603.3	603.2	603.4	603.9	604.4	604.9	605.4	604.9	604.4	603.9
175°	606.2	606.0	605.9	606.2	606.7	607.1	607.7	608.2	607.7	607.1	606.7
177.5°	607.3	607.2	607.1	607.3	607.7	608.1	608.5	608.9	608.5	608.1	607.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332366-927

CATALOG NUMBER: S123RDIP-S1165D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1429.6	1423.1	1418.6	1408.7	1402.2	1395.2	1388.2	1392.7	1392.2	1391.7	1391.7
5°	1381.6	1367.3	1354.2	1337.4	1326.8	1313.8	1303.8	1302.5	1305.0	1296.3	1291.3
7.5°	1334.0	1314.5	1295.9	1277.4	1257.7	1242.1	1232.2	1227.6	1221.2	1215.8	1210.3
10°	1300.7	1277.6	1259.6	1236.5	1215.4	1196.7	1184.9	1176.8	1172.4	1168.1	1160.0
12.5°	1266.3	1243.8	1220.8	1194.7	1174.6	1152.9	1144.0	1135.0	1126.6	1121.7	1110.6
15°	1216.0	1186.8	1162.4	1135.0	1112.6	1091.5	1079.0	1061.0	1058.4	1052.3	1041.0
17.5°	1165.5	1133.8	1100.3	1080.0	1054.7	1032.7	1013.8	1007.7	989.8	983.1	973.4
20°	1125.7	1096.5	1071.0	1044.2	1007.4	986.9	971.9	963.8	949.5	940.8	934.5
22.5°	1091.3	1061.6	1032.1	1000.8	970.6	947.5	936.6	924.0	916.2	904.0	897.2
25°	1042.3	1009.9	974.4	940.8	919.0	901.6	884.2	872.9	861.7	856.1	843.7
27.5°	985.2	951.4	918.2	892.7	865.9	848.7	833.0	823.0	809.5	800.1	793.2
30°	953.9	914.0	885.3	862.4	828.1	811.9	800.1	787.7	777.7	767.7	760.9
32.5°	917.5	881.1	854.0	825.5	799.2	781.5	766.2	755.3	746.8	737.3	730.5
35°	860.5	830.0	801.9	773.3	754.0	735.9	717.9	708.5	700.4	691.7	685.6
37.5°	808.9	780.4	753.8	726.6	702.7	688.0	673.4	666.3	655.4	649.5	643.2
40°	777.1	749.0	720.4	694.3	669.3	658.1	645.1	634.5	624.5	620.1	613.3
42.5°	742.2	714.2	690.0	661.9	641.4	626.2	614.2	602.6	595.1	588.7	584.9
45°	690.5	665.6	641.9	613.9	594.6	581.5	567.8	557.2	550.4	546.1	539.2
47.5°	640.3	615.4	591.4	567.0	548.3	533.4	519.7	512.3	503.2	497.9	493.2
50°	604.0	581.5	556.0	533.6	514.9	499.9	488.8	479.4	471.3	464.5	461.4
52.5°	570.6	546.7	524.7	503.7	484.0	467.1	456.9	447.0	440.9	433.1	429.5
55°	515.6	492.5	473.8	453.3	434.0	419.6	407.2	398.5	392.3	383.6	378.6
57.5°	463.8	443.2	420.9	403.1	383.2	371.1	360.8	349.0	341.4	334.5	329.6
60°	429.0	405.4	386.0	369.2	351.8	336.2	326.9	317.5	309.4	302.6	298.3
62.5°	392.6	371.9	353.6	335.3	319.4	305.9	295.0	287.2	280.0	275.7	271.3
65°	336.8	320.7	302.0	287.0	272.1	262.1	253.4	246.5	241.6	238.4	234.7
67.5°	285.5	269.8	253.5	238.8	228.9	221.3	215.6	209.7	207.2	203.2	200.7
70°	252.2	236.0	221.7	210.5	200.5	194.9	191.2	186.8	184.3	179.4	176.8
72.5°	215.8	204.1	193.8	184.6	176.6	171.5	166.8	161.4	157.4	151.9	149.4
75°	170.0	159.4	151.3	145.0	140.1	133.2	126.4	120.8	118.9	117.1	116.5
77.5°	125.9	119.1	113.3	108.1	101.9	96.9	95.4	94.1	93.8	92.8	92.8
80°	99.0	92.8	88.4	82.1	78.4	78.4	78.4	77.2	77.8	77.8	77.8
82.5°	73.6	67.9	65.5	63.3	62.5	63.0	63.0	63.3	62.9	63.8	63.4
85°	37.9	38.6	39.8	39.2	39.8	39.8	41.1	40.5	41.1	39.8	41.1
87.5°	14.8	16.6	17.3	18.1	18.9	18.6	19.2	19.3	19.8	20.0	20.0
90°	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6	12.0	12.4	12.8
92.5°	7.3	7.6	8.6	9.6	10.6	11.6	12.2	12.8	13.5	14.1	14.5
95°	11.1	9.6	10.7	11.8	12.9	14.0	14.7	15.4	16.1	16.8	17.2
97.5°	48.0	43.5	36.2	29.0	21.8	14.6	15.4	16.2	17.0	17.7	18.2
100°	84.4	77.6	61.9	46.3	30.6	14.9	15.7	16.5	17.3	18.1	18.5
102.5°	106.0	98.2	81.0	63.9	46.8	29.7	27.3	24.7	22.3	19.8	18.6
105°	139.0	135.1	126.0	117.0	108.0	98.9	81.2	63.4	45.6	27.9	19.1
107.5°	174.5	175.6	177.1	178.5	179.9	181.3	168.3	155.3	142.3	129.2	116.1
110°	198.4	199.4	200.4	201.5	202.6	203.7	200.4	197.2	193.8	190.5	181.6



TEST NUMBER: P332366-927

CATALOG NUMBER: S123RDIP-S1165D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	221.2	222.1	223.2	224.3	225.5	226.6	226.6	226.6	226.7	226.8	225.3
115°	255.0	255.7	256.7	257.5	258.4	259.4	260.4	261.3	262.4	263.4	264.0
117.5°	288.7	289.3	289.8	290.3	290.7	291.1	292.0	292.8	293.6	294.4	294.9
120°	310.0	310.5	310.9	311.2	311.5	311.7	312.6	313.4	314.2	315.0	315.4
122.5°	330.3	330.8	331.2	331.6	332.0	332.4	333.0	333.5	334.1	334.6	334.9
125°	359.3	359.9	360.3	360.7	361.1	361.5	361.6	361.9	362.0	362.3	362.5
127.5°	387.1	387.7	388.2	388.7	389.2	389.7	390.0	390.3	390.6	390.9	391.0
130°	404.4	405.0	405.4	405.8	406.2	406.6	407.0	407.4	407.8	408.2	408.4
132.5°	421.0	421.6	421.9	422.2	422.6	422.9	423.3	423.7	424.1	424.5	424.6
135°	445.7	446.2	446.6	446.9	447.3	447.7	448.1	448.4	448.7	448.9	448.9
137.5°	467.9	468.5	468.7	468.9	469.1	469.4	469.8	470.3	470.8	471.3	471.4
140°	481.8	482.3	482.5	482.8	483.2	483.5	483.9	484.3	484.7	485.1	485.1
142.5°	495.2	495.6	495.9	496.2	496.5	496.9	497.2	497.5	497.8	498.1	498.1
145°	514.3	514.8	514.9	515.2	515.3	515.6	515.7	515.9	516.1	516.3	516.4
147.5°	530.9	531.2	531.5	531.6	531.9	532.1	532.3	532.5	532.7	532.9	532.7
150°	541.1	541.4	541.6	541.8	542.0	542.2	542.4	542.6	542.8	543.0	543.0
152.5°	550.2	550.4	550.5	550.6	550.7	550.9	551.2	551.6	551.9	552.3	552.2
155°	562.6	562.6	562.7	562.8	562.8	563.0	563.5	564.0	564.5	565.0	564.9
157.5°	574.0	573.9	573.9	573.8	573.6	573.5	574.2	574.7	575.4	576.0	575.8
160°	580.2	580.1	580.0	579.9	579.8	579.7	580.3	580.9	581.5	582.1	582.0
162.5°	585.7	585.5	585.4	585.3	585.2	585.1	585.8	586.5	587.2	587.9	587.9
165°	592.9	592.7	592.6	592.6	592.5	592.3	593.2	594.0	594.8	595.6	595.6
167.5°	598.3	598.1	598.1	598.1	598.1	598.1	599.0	599.8	600.6	601.3	601.3
170°	601.6	601.3	601.3	601.3	601.3	601.3	602.2	603.0	603.8	604.6	604.6
172.5°	603.4	603.2	603.3	603.4	603.5	603.6	604.4	605.1	605.9	606.7	606.7
175°	606.2	605.9	606.0	606.2	606.3	606.3	607.0	607.8	608.5	609.2	609.1
177.5°	607.3	607.1	607.2	607.3	607.4	607.4	608.1	608.7	609.3	610.0	609.9
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332366-927

CATALOG NUMBER: S123RDIP-S1165D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1385.8	1385.2	1385.8	1383.7	1385.8	1385.2	1385.8	1391.7	1391.7	1392.2	1392.7
5°	1289.4	1288.9	1287.0	1281.4	1287.0	1288.9	1289.4	1291.3	1296.3	1305.0	1302.5
7.5°	1205.4	1204.5	1199.0	1199.2	1199.0	1204.5	1205.4	1210.3	1215.8	1221.2	1227.6
10°	1155.6	1156.2	1148.7	1144.4	1148.7	1156.2	1155.6	1160.0	1168.1	1172.4	1176.8
12.5°	1107.3	1104.5	1098.4	1093.6	1098.4	1104.5	1107.3	1110.6	1121.7	1126.6	1135.0
15°	1043.5	1037.3	1022.4	1023.6	1022.4	1037.3	1043.5	1041.0	1052.3	1058.4	1061.0
17.5°	968.4	963.8	963.6	954.9	963.6	963.8	968.4	973.4	983.1	989.8	1007.7
20°	924.6	921.5	922.7	914.0	922.7	921.5	924.6	934.5	940.8	949.5	963.8
22.5°	890.3	887.1	881.9	879.2	881.9	887.1	890.3	897.2	904.0	916.2	924.0
25°	840.0	835.0	830.0	833.1	830.0	835.0	840.0	843.7	856.1	861.7	872.9
27.5°	789.6	785.9	780.9	780.3	780.9	785.9	789.6	793.2	800.1	809.5	823.0
30°	757.7	754.0	751.5	748.4	751.5	754.0	757.7	760.9	767.7	777.7	787.7
32.5°	725.4	724.6	720.2	719.5	720.2	724.6	725.4	730.5	737.3	746.8	755.3
35°	683.0	679.3	678.0	678.7	678.0	679.3	683.0	685.6	691.7	700.4	708.5
37.5°	642.8	637.8	635.6	633.3	635.6	637.8	642.8	643.2	649.5	655.4	666.3
40°	613.9	609.0	607.7	606.4	607.7	609.0	613.9	613.3	620.1	624.5	634.5
42.5°	581.5	579.6	578.8	576.6	578.8	579.6	581.5	584.9	588.7	595.1	602.6
45°	537.3	536.7	533.0	534.2	533.0	536.7	537.3	539.2	546.1	550.4	557.2
47.5°	490.8	488.0	485.4	487.1	485.4	488.0	490.8	493.2	497.9	503.2	512.3
50°	458.9	457.6	452.0	453.3	452.0	457.6	458.9	461.4	464.5	471.3	479.4
52.5°	427.0	422.2	420.2	419.4	420.2	422.2	427.0	429.5	433.1	440.9	447.0
55°	374.2	368.6	366.1	364.9	366.1	368.6	374.2	378.6	383.6	392.3	398.5
57.5°	322.4	320.9	318.9	320.3	318.9	320.9	322.4	329.6	334.5	341.4	349.0
60°	292.0	292.0	292.0	291.4	292.0	292.0	292.0	298.3	302.6	309.4	317.5
62.5°	268.6	267.1	266.6	267.5	266.6	267.1	268.6	271.3	275.7	280.0	287.2
65°	232.9	232.3	229.7	229.1	229.7	232.3	232.9	234.7	238.4	241.6	246.5
67.5°	199.2	196.9	196.1	195.3	196.1	196.9	199.2	200.7	203.2	207.2	209.7
70°	173.7	172.5	168.7	169.4	168.7	172.5	173.7	176.8	179.4	184.3	186.8
72.5°	146.3	145.0	144.3	143.5	144.3	145.0	146.3	149.4	151.9	157.4	161.4
75°	115.8	115.2	114.5	117.1	114.5	115.2	115.8	116.5	117.1	118.9	120.8
77.5°	92.8	92.8	93.2	92.1	93.2	92.8	92.8	92.8	92.8	93.8	94.1
80°	77.8	77.8	77.2	77.2	77.2	77.8	77.8	77.8	77.8	77.8	77.2
82.5°	62.4	62.9	63.3	62.3	63.3	62.9	62.4	63.4	63.8	62.9	63.3
85°	41.1	40.5	41.7	41.1	41.7	40.5	41.1	41.1	39.8	41.1	40.5
87.5°	21.0	20.0	20.1	20.7	20.1	20.0	21.0	20.0	20.0	19.8	19.3
90°	13.0	13.2	13.4	13.5	13.4	13.2	13.0	12.8	12.4	12.0	11.6
92.5°	14.7	14.7	14.9	15.0	14.9	14.7	14.7	14.5	14.1	13.5	12.8
95°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.8	16.1	15.4
97.5°	18.3	18.4	18.5	18.6	18.5	18.4	18.3	18.2	17.7	17.0	16.2
100°	18.7	18.8	18.9	19.0	18.9	18.8	18.7	18.5	18.1	17.3	16.5
102.5°	18.8	19.0	19.2	19.3	19.2	19.0	18.8	18.6	19.8	22.3	24.7
105°	19.3	19.5	19.6	19.9	19.6	19.5	19.3	19.1	27.9	45.6	63.4
107.5°	102.6	89.2	75.8	62.4	75.8	89.2	102.6	116.1	129.2	142.3	155.3
110°	167.3	153.0	138.6	124.2	138.6	153.0	167.3	181.6	190.5	193.8	197.2



TEST NUMBER: P332366-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	222.3	219.2	216.2	213.2	216.2	219.2	222.3	225.3	226.8	226.7	226.6
115°	264.4	264.9	265.3	265.7	265.3	264.9	264.4	264.0	263.4	262.4	261.3
117.5°	294.9	295.0	295.1	295.2	295.1	295.0	294.9	294.9	294.4	293.6	292.8
120°	315.4	315.4	315.4	315.4	315.4	315.4	315.4	315.4	315.0	314.2	313.4
122.5°	335.0	335.1	335.2	335.3	335.2	335.1	335.0	334.9	334.6	334.1	333.5
125°	362.7	362.9	363.1	363.3	363.1	362.9	362.7	362.5	362.3	362.0	361.9
127.5°	390.8	390.6	390.4	390.2	390.4	390.6	390.8	391.0	390.9	390.6	390.3
130°	408.1	408.0	407.7	407.6	407.7	408.0	408.1	408.4	408.2	407.8	407.4
132.5°	424.3	424.0	423.7	423.4	423.7	424.0	424.3	424.6	424.5	424.1	423.7
135°	448.7	448.4	448.1	447.7	448.1	448.4	448.7	448.9	448.9	448.7	448.4
137.5°	471.2	471.0	470.8	470.6	470.8	471.0	471.2	471.4	471.3	470.8	470.3
140°	485.0	484.7	484.6	484.3	484.6	484.7	485.0	485.1	485.1	484.7	484.3
142.5°	497.9	497.6	497.3	497.0	497.3	497.6	497.9	498.1	498.1	497.8	497.5
145°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.3	516.1	515.9
147.5°	532.3	531.8	531.4	530.9	531.4	531.8	532.3	532.7	532.9	532.7	532.5
150°	542.6	542.3	542.0	541.8	542.0	542.3	542.6	543.0	543.0	542.8	542.6
152.5°	551.8	551.4	550.9	550.4	550.9	551.4	551.8	552.2	552.3	551.9	551.6
155°	564.4	563.7	563.2	562.5	563.2	563.7	564.4	564.9	565.0	564.5	564.0
157.5°	575.0	574.3	573.5	572.7	573.5	574.3	575.0	575.8	576.0	575.4	574.7
160°	581.4	580.7	580.0	579.2	580.0	580.7	581.4	582.0	582.1	581.5	580.9
162.5°	587.2	586.6	586.0	585.4	586.0	586.6	587.2	587.9	587.9	587.2	586.5
165°	594.9	594.2	593.5	592.8	593.5	594.2	594.9	595.6	595.6	594.8	594.0
167.5°	600.6	599.8	599.0	598.1	599.0	599.8	600.6	601.3	601.3	600.6	599.8
170°	603.8	603.0	602.2	601.3	602.2	603.0	603.8	604.6	604.6	603.8	603.0
172.5°	605.9	605.0	604.0	603.2	604.0	605.0	605.9	606.7	606.7	605.9	605.1
175°	608.3	607.5	606.7	605.9	606.7	607.5	608.3	609.1	609.2	608.5	607.8
177.5°	609.1	608.3	607.5	606.7	607.5	608.3	609.1	609.9	610.0	609.3	608.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332366-927

CATALOG NUMBER: S123RDIP-S1165D585U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1388.2	1395.2	1402.2	1408.7	1418.6	1423.1	1429.6	1432.0	1439.6	1450.5	1459.4
5°	1303.8	1313.8	1326.8	1337.4	1354.2	1367.3	1381.6	1395.3	1411.5	1434.6	1455.1
7.5°	1232.2	1242.1	1257.7	1277.4	1295.9	1314.5	1334.0	1352.7	1375.9	1408.9	1441.6
10°	1184.9	1196.7	1215.4	1236.5	1259.6	1277.6	1300.7	1324.4	1353.0	1391.0	1430.2
12.5°	1144.0	1152.9	1174.6	1194.7	1220.8	1243.8	1266.3	1294.0	1326.6	1367.1	1414.2
15°	1079.0	1091.5	1112.6	1135.0	1162.4	1186.8	1216.0	1249.6	1281.4	1331.2	1388.5
17.5°	1013.8	1032.7	1054.7	1080.0	1100.3	1133.8	1165.5	1200.1	1239.1	1292.0	1354.9
20°	971.9	986.9	1007.4	1044.2	1071.0	1096.5	1125.7	1168.7	1204.8	1264.6	1329.9
22.5°	936.6	947.5	970.6	1000.8	1032.1	1061.6	1091.3	1132.3	1176.9	1233.7	1304.6
25°	884.2	901.6	919.0	940.8	974.4	1009.9	1042.3	1077.1	1124.5	1184.9	1261.5
27.5°	833.0	848.7	865.9	892.7	918.2	951.4	985.2	1025.2	1076.0	1140.0	1217.6
30°	800.1	811.9	828.1	862.4	885.3	914.0	953.9	989.4	1036.6	1104.5	1186.8
32.5°	766.2	781.5	799.2	825.5	854.0	881.1	917.5	956.0	1004.3	1071.2	1155.3
35°	717.9	735.9	754.0	773.3	801.9	830.0	860.5	902.9	952.0	1016.8	1099.5
37.5°	673.4	688.0	702.7	726.6	753.8	780.4	808.9	850.6	897.0	966.9	1042.7
40°	645.1	658.1	669.3	694.3	720.4	749.0	777.1	813.8	863.6	929.0	1002.4
42.5°	614.2	626.2	641.4	661.9	690.0	714.2	742.2	776.9	823.7	890.1	954.6
45°	567.8	581.5	594.6	613.9	641.9	665.6	690.5	723.5	771.4	826.2	883.5
47.5°	519.7	533.4	548.3	567.0	591.4	615.4	640.3	669.6	713.3	767.1	805.6
50°	488.8	499.9	514.9	533.6	556.0	581.5	604.0	635.7	677.4	719.8	753.4
52.5°	456.9	467.1	484.0	503.7	524.7	546.7	570.6	597.9	635.6	675.4	702.1
55°	407.2	419.6	434.0	453.3	473.8	492.5	515.6	543.6	573.5	603.3	621.4
57.5°	360.8	371.1	383.2	403.1	420.9	443.2	463.8	485.7	513.3	535.8	547.6
60°	326.9	336.2	351.8	369.2	386.0	405.4	429.0	450.8	472.0	490.0	499.3
62.5°	295.0	305.9	319.4	335.3	353.6	371.9	392.6	410.9	429.6	445.2	451.5
65°	253.4	262.1	272.1	287.0	302.0	320.7	336.8	355.5	369.2	378.0	383.6
67.5°	215.6	221.3	228.9	238.8	253.5	269.8	285.5	300.1	311.6	317.5	322.5
70°	191.2	194.9	200.5	210.5	221.7	236.0	252.2	262.8	272.7	277.7	282.7
72.5°	166.8	171.5	176.6	184.6	193.8	204.1	215.8	228.9	234.3	240.3	243.4
75°	126.4	133.2	140.1	145.0	151.3	159.4	170.0	178.1	181.2	186.2	186.8
77.5°	95.4	96.9	101.9	108.1	113.3	119.1	125.9	133.1	134.6	137.2	138.9
80°	78.4	78.4	78.4	82.1	88.4	92.8	99.0	102.7	105.2	105.8	106.5
82.5°	63.0	63.0	62.5	63.3	65.5	67.9	73.6	77.8	79.9	79.5	78.1
85°	41.1	39.8	39.8	39.2	39.8	38.6	37.9	40.5	44.2	44.2	42.9
87.5°	19.2	18.6	18.9	18.1	17.3	16.6	14.8	15.1	15.0	16.7	16.0
90°	11.2	10.9	9.5	8.2	6.9	5.6	4.4	3.5	2.5	1.4	0.5
92.5°	12.2	11.6	10.6	9.6	8.6	7.6	7.3	7.5	7.8	8.2	8.4
95°	14.7	14.0	12.9	11.8	10.7	9.6	11.1	15.2	19.3	23.4	27.6
97.5°	15.4	14.6	21.8	29.0	36.2	43.5	48.0	49.8	51.7	53.6	55.4
100°	15.7	14.9	30.6	46.3	61.9	77.6	84.4	82.4	80.4	78.3	76.4
102.5°	27.3	29.7	46.8	63.9	81.0	98.2	106.0	104.6	103.1	101.6	100.2
105°	81.2	98.9	108.0	117.0	126.0	135.1	139.0	137.9	136.9	135.8	134.7
107.5°	168.3	181.3	179.9	178.5	177.1	175.6	174.5	173.6	172.8	171.8	171.0
110°	200.4	203.7	202.6	201.5	200.4	199.4	198.4	197.6	196.8	196.0	195.2



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	226.6	226.6	225.5	224.3	223.2	222.1	221.2	220.5	219.8	219.0	218.3
115°	260.4	259.4	258.4	257.5	256.7	255.7	255.0	254.4	253.7	253.2	252.5
117.5°	292.0	291.1	290.7	290.3	289.8	289.3	288.7	288.0	287.2	286.5	285.7
120°	312.6	311.7	311.5	311.2	310.9	310.5	310.0	309.0	308.2	307.2	306.3
122.5°	333.0	332.4	332.0	331.6	331.2	330.8	330.3	329.5	328.8	328.0	327.3
125°	361.6	361.5	361.1	360.7	360.3	359.9	359.3	358.5	357.7	356.9	356.0
127.5°	390.0	389.7	389.2	388.7	388.2	387.7	387.1	386.3	385.5	384.7	383.9
130°	407.0	406.6	406.2	405.8	405.4	405.0	404.4	403.6	402.8	402.0	401.2
132.5°	423.3	422.9	422.6	422.2	421.9	421.6	421.0	420.3	419.5	418.7	417.9
135°	448.1	447.7	447.3	446.9	446.6	446.2	445.7	445.0	444.4	443.9	443.2
137.5°	469.8	469.4	469.1	468.9	468.7	468.5	467.9	467.2	466.4	465.7	464.9
140°	483.9	483.5	483.2	482.8	482.5	482.3	481.8	481.2	480.6	480.0	479.3
142.5°	497.2	496.9	496.5	496.2	495.9	495.6	495.2	494.6	494.0	493.4	492.7
145°	515.7	515.6	515.3	515.2	514.9	514.8	514.3	513.6	512.9	512.1	511.4
147.5°	532.3	532.1	531.9	531.6	531.5	531.2	530.9	530.4	530.0	529.6	529.1
150°	542.4	542.2	542.0	541.8	541.6	541.4	541.1	540.8	540.5	540.3	540.0
152.5°	551.2	550.9	550.7	550.6	550.5	550.4	550.2	550.1	549.9	549.9	549.7
155°	563.5	563.0	562.8	562.8	562.7	562.6	562.6	562.8	563.0	563.2	563.4
157.5°	574.2	573.5	573.6	573.8	573.9	573.9	574.0	574.0	574.0	574.1	574.1
160°	580.3	579.7	579.8	579.9	580.0	580.1	580.2	580.3	580.4	580.5	580.6
162.5°	585.8	585.1	585.2	585.3	585.4	585.5	585.7	586.0	586.2	586.5	586.8
165°	593.2	592.3	592.5	592.6	592.6	592.7	592.9	593.3	593.6	593.8	594.1
167.5°	599.0	598.1	598.1	598.1	598.1	598.1	598.3	598.7	599.1	599.5	599.9
170°	602.2	601.3	601.3	601.3	601.3	601.3	601.6	602.0	602.4	602.8	603.2
172.5°	604.4	603.6	603.5	603.4	603.3	603.2	603.4	603.9	604.4	604.9	605.4
175°	607.0	606.3	606.3	606.2	606.0	605.9	606.2	606.7	607.1	607.7	608.2
177.5°	608.1	607.4	607.4	607.3	607.2	607.1	607.3	607.7	608.1	608.5	608.9
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



TEST NUMBER: P332366-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1462.4	1467.9	1474.9	1485.3	1493.3	1500.3	1501.8	1503.8	1508.8	1517.2	1523.7
5°	1471.9	1486.2	1509.3	1531.7	1555.9	1575.9	1594.6	1607.7	1620.1	1646.2	1667.4
7.5°	1468.9	1500.8	1536.9	1577.2	1617.9	1657.3	1693.9	1726.6	1759.3	1797.4	1840.9
10°	1466.9	1504.3	1552.8	1604.5	1661.2	1716.6	1770.1	1811.9	1860.4	1904.0	1959.4
12.5°	1457.5	1511.2	1569.3	1635.4	1705.0	1768.9	1839.4	1897.0	1952.6	2015.5	2080.0
15°	1445.1	1510.5	1584.0	1671.7	1777.6	1854.8	1927.1	2027.3	2095.8	2164.2	2256.5
17.5°	1422.6	1502.4	1594.2	1708.3	1796.5	1900.3	2009.0	2088.2	2180.5	2277.0	2360.4
20°	1404.6	1497.5	1600.1	1712.2	1825.0	1937.6	2042.9	2137.5	2232.8	2344.2	2412.7
22.5°	1386.7	1478.5	1585.2	1704.3	1825.4	1944.1	2063.2	2174.4	2281.6	2394.1	2481.4
25°	1348.6	1457.6	1573.4	1694.8	1814.3	1945.1	2087.1	2211.0	2343.6	2459.4	2542.2
27.5°	1310.0	1409.8	1525.2	1648.4	1781.2	1935.8	2102.8	2243.6	2376.5	2459.4	2485.4
30°	1275.2	1381.0	1486.8	1612.0	1755.8	1928.3	2105.7	2267.0	2376.0	2412.0	2385.3
32.5°	1239.8	1335.7	1440.5	1568.7	1721.4	1909.9	2109.7	2253.0	2318.6	2291.1	2182.1
35°	1177.4	1263.9	1365.4	1493.7	1669.3	1899.7	2093.3	2190.4	2174.2	2018.6	1813.1
37.5°	1110.6	1181.1	1275.2	1409.3	1615.3	1859.2	2022.5	2036.9	1896.8	1657.8	1420.5
40°	1057.9	1121.3	1217.9	1358.0	1573.4	1819.3	1951.3	1893.4	1676.1	1410.2	1212.3
42.5°	1006.5	1060.1	1153.1	1304.2	1533.5	1765.1	1845.2	1719.1	1468.4	1217.0	1037.0
45°	919.6	970.0	1063.4	1218.5	1452.0	1661.2	1650.6	1431.4	1180.5	978.2	828.7
47.5°	837.2	881.3	968.9	1127.2	1356.2	1505.5	1406.5	1173.3	960.4	798.1	691.5
50°	778.9	822.5	909.7	1066.0	1279.5	1388.5	1247.1	1022.4	827.5	693.0	608.3
52.5°	723.1	765.7	845.4	997.7	1186.8	1252.0	1100.2	891.8	729.4	613.3	540.6
55°	645.1	677.4	749.0	894.7	1036.1	1051.0	897.2	722.9	589.0	508.1	458.3
57.5°	565.5	593.3	664.1	780.1	879.2	871.6	725.7	575.0	484.8	424.6	388.5
60°	513.7	541.1	603.3	703.0	777.7	751.5	617.7	496.2	419.1	374.9	346.2
62.5°	465.3	486.8	545.0	617.7	671.5	641.9	528.0	427.5	366.2	329.0	306.3
65°	395.4	412.8	459.5	497.5	527.4	498.8	404.1	334.4	290.2	264.0	248.4
67.5°	328.8	339.9	369.5	383.2	404.3	372.8	303.9	257.1	232.0	209.9	199.2
70°	287.0	295.1	310.7	321.9	327.5	295.1	244.1	209.8	188.6	173.1	166.3
72.5°	245.2	252.3	255.4	264.6	261.7	231.4	196.2	169.0	153.8	143.2	134.4
75°	187.4	190.5	187.4	183.7	175.5	154.4	130.2	116.5	105.2	100.2	97.1
77.5°	136.6	135.6	131.3	125.6	111.7	98.4	85.3	80.7	75.8	73.2	72.1
80°	105.2	102.7	99.0	89.7	77.8	68.5	65.4	62.3	60.4	57.3	56.6
82.5°	78.3	76.8	70.6	62.7	54.4	50.1	47.5	46.3	44.4	42.9	42.7
85°	41.7	39.8	33.0	28.7	27.4	26.1	25.5	25.5	23.1	22.4	22.4
87.5°	13.7	10.9	10.7	9.3	9.6	8.9	9.6	8.9	8.6	9.2	8.3
90°	1.4	2.5	3.5	4.4	5.6	6.9	8.2	9.5	10.9	11.2	11.6
92.5°	8.2	7.8	7.5	7.3	7.6	8.6	9.6	10.6	11.6	12.2	12.8
95°	23.4	19.3	15.2	11.1	9.6	10.7	11.8	12.9	14.0	14.7	15.4
97.5°	53.6	51.7	49.8	48.0	43.5	36.2	29.0	21.8	14.6	15.4	16.2
100°	78.3	80.4	82.4	84.4	77.6	61.9	46.3	30.6	14.9	15.7	16.5
102.5°	101.6	103.1	104.6	106.0	98.2	81.0	63.9	46.8	29.7	27.3	24.7
105°	135.8	136.9	137.9	139.0	135.1	126.0	117.0	108.0	98.9	81.2	63.4
107.5°	171.8	172.8	173.6	174.5	175.6	177.1	178.5	179.9	181.3	168.3	155.3
110°	196.0	196.8	197.6	198.4	199.4	200.4	201.5	202.6	203.7	200.4	197.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	219.0	219.8	220.5	221.2	222.1	223.2	224.3	225.5	226.6	226.6	226.6
115°	253.2	253.7	254.4	255.0	255.7	256.7	257.5	258.4	259.4	260.4	261.3
117.5°	286.5	287.2	288.0	288.7	289.3	289.8	290.3	290.7	291.1	292.0	292.8
120°	307.2	308.2	309.0	310.0	310.5	310.9	311.2	311.5	311.7	312.6	313.4
122.5°	328.0	328.8	329.5	330.3	330.8	331.2	331.6	332.0	332.4	333.0	333.5
125°	356.9	357.7	358.5	359.3	359.9	360.3	360.7	361.1	361.5	361.6	361.9
127.5°	384.7	385.5	386.3	387.1	387.7	388.2	388.7	389.2	389.7	390.0	390.3
130°	402.0	402.8	403.6	404.4	405.0	405.4	405.8	406.2	406.6	407.0	407.4
132.5°	418.7	419.5	420.3	421.0	421.6	421.9	422.2	422.6	422.9	423.3	423.7
135°	443.9	444.4	445.0	445.7	446.2	446.6	446.9	447.3	447.7	448.1	448.4
137.5°	465.7	466.4	467.2	467.9	468.5	468.7	468.9	469.1	469.4	469.8	470.3
140°	480.0	480.6	481.2	481.8	482.3	482.5	482.8	483.2	483.5	483.9	484.3
142.5°	493.4	494.0	494.6	495.2	495.6	495.9	496.2	496.5	496.9	497.2	497.5
145°	512.1	512.9	513.6	514.3	514.8	514.9	515.2	515.3	515.6	515.7	515.9
147.5°	529.6	530.0	530.4	530.9	531.2	531.5	531.6	531.9	532.1	532.3	532.5
150°	540.3	540.5	540.8	541.1	541.4	541.6	541.8	542.0	542.2	542.4	542.6
152.5°	549.9	549.9	550.1	550.2	550.4	550.5	550.6	550.7	550.9	551.2	551.6
155°	563.2	563.0	562.8	562.6	562.6	562.7	562.8	562.8	563.0	563.5	564.0
157.5°	574.1	574.0	574.0	574.0	573.9	573.9	573.8	573.6	573.5	574.2	574.7
160°	580.5	580.4	580.3	580.2	580.1	580.0	579.9	579.8	579.7	580.3	580.9
162.5°	586.5	586.2	586.0	585.7	585.5	585.4	585.3	585.2	585.1	585.8	586.5
165°	593.8	593.6	593.3	592.9	592.7	592.6	592.6	592.5	592.3	593.2	594.0
167.5°	599.5	599.1	598.7	598.3	598.1	598.1	598.1	598.1	598.1	599.0	599.8
170°	602.8	602.4	602.0	601.6	601.3	601.3	601.3	601.3	601.3	602.2	603.0
172.5°	604.9	604.4	603.9	603.4	603.2	603.3	603.4	603.5	603.6	604.4	605.1
175°	607.7	607.1	606.7	606.2	605.9	606.0	606.2	606.3	606.3	607.0	607.8
177.5°	608.5	608.1	607.7	607.3	607.1	607.2	607.3	607.4	607.4	608.1	608.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2	608.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1534.1	1534.1	1536.1	1543.6	1544.6	1551.1	1549.1
5°	1686.1	1697.9	1702.2	1720.9	1732.2	1737.2	1727.2
7.5°	1871.8	1905.3	1921.0	1940.6	1958.0	1963.2	1949.6
10°	2007.4	2042.2	2071.5	2089.5	2106.3	2117.6	2131.9
12.5°	2138.3	2181.2	2209.0	2234.5	2251.8	2266.0	2268.3
15°	2280.7	2345.4	2394.6	2430.7	2448.8	2458.1	2454.4
17.5°	2424.2	2484.3	2519.3	2556.1	2581.2	2582.4	2583.1
20°	2505.4	2564.0	2604.5	2631.9	2659.9	2658.6	2664.8
22.5°	2559.8	2605.8	2636.9	2656.7	2666.3	2661.7	2662.8
25°	2585.1	2598.8	2593.3	2561.5	2553.4	2524.1	2529.1
27.5°	2454.2	2389.4	2322.4	2236.3	2168.3	2113.9	2116.7
30°	2276.3	2161.8	2031.0	1921.4	1823.0	1795.6	1737.2
32.5°	2027.7	1855.9	1702.8	1600.7	1516.2	1493.3	1442.2
35°	1606.4	1439.6	1282.0	1187.3	1150.0	1097.7	1097.1
37.5°	1248.6	1101.7	1018.4	947.4	910.1	878.5	875.4
40°	1050.4	935.8	872.9	821.9	785.1	761.4	755.9
42.5°	911.9	819.3	760.3	728.7	700.4	688.2	679.1
45°	744.7	682.4	641.3	612.7	599.6	590.3	585.3
47.5°	622.9	581.1	553.2	534.1	523.5	513.7	516.3
50°	556.7	522.4	501.8	483.8	475.7	468.8	469.4
52.5°	503.4	472.6	456.0	442.9	432.8	428.0	425.6
55°	427.1	407.8	391.0	381.7	376.0	369.2	367.3
57.5°	364.3	349.4	335.7	325.1	323.8	317.2	318.1
60°	322.5	310.1	298.9	293.3	288.9	283.3	285.2
62.5°	288.1	277.7	267.5	262.8	258.5	254.4	255.2
65°	236.0	226.0	219.8	217.3	215.4	213.6	211.7
67.5°	188.1	182.0	178.1	172.7	168.9	168.3	166.4
70°	158.1	150.0	143.2	136.3	134.5	133.9	134.5
72.5°	126.7	121.7	119.8	116.5	116.1	114.5	115.6
75°	95.3	93.4	92.1	89.7	89.7	89.7	89.7
77.5°	70.3	69.1	68.4	67.9	67.3	66.4	66.2
80°	54.8	54.2	52.9	52.9	52.3	52.9	52.3
82.5°	41.4	41.2	40.0	40.0	39.4	39.0	39.4
85°	21.2	20.5	21.8	20.5	21.2	20.0	21.2
87.5°	8.4	8.5	8.0	8.1	7.6	8.6	7.7
90°	12.0	12.4	12.8	13.0	13.2	13.4	13.5
92.5°	13.5	14.1	14.5	14.7	14.7	14.9	15.0
95°	16.1	16.8	17.2	17.2	17.2	17.2	17.2
97.5°	17.0	17.7	18.2	18.3	18.4	18.5	18.6
100°	17.3	18.1	18.5	18.7	18.8	18.9	19.0
102.5°	22.3	19.8	18.6	18.8	19.0	19.2	19.3
105°	45.6	27.9	19.1	19.3	19.5	19.6	19.9
107.5°	142.3	129.2	116.1	102.6	89.2	75.8	62.4
110°	193.8	190.5	181.6	167.3	153.0	138.6	124.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	226.7	226.8	225.3	222.3	219.2	216.2	213.2
115°	262.4	263.4	264.0	264.4	264.9	265.3	265.7
117.5°	293.6	294.4	294.9	294.9	295.0	295.1	295.2
120°	314.2	315.0	315.4	315.4	315.4	315.4	315.4
122.5°	334.1	334.6	334.9	335.0	335.1	335.2	335.3
125°	362.0	362.3	362.5	362.7	362.9	363.1	363.3
127.5°	390.6	390.9	391.0	390.8	390.6	390.4	390.2
130°	407.8	408.2	408.4	408.1	408.0	407.7	407.6
132.5°	424.1	424.5	424.6	424.3	424.0	423.7	423.4
135°	448.7	448.9	448.9	448.7	448.4	448.1	447.7
137.5°	470.8	471.3	471.4	471.2	471.0	470.8	470.6
140°	484.7	485.1	485.1	485.0	484.7	484.6	484.3
142.5°	497.8	498.1	498.1	497.9	497.6	497.3	497.0
145°	516.1	516.3	516.4	516.4	516.4	516.4	516.4
147.5°	532.7	532.9	532.7	532.3	531.8	531.4	530.9
150°	542.8	543.0	543.0	542.6	542.3	542.0	541.8
152.5°	551.9	552.3	552.2	551.8	551.4	550.9	550.4
155°	564.5	565.0	564.9	564.4	563.7	563.2	562.5
157.5°	575.4	576.0	575.8	575.0	574.3	573.5	572.7
160°	581.5	582.1	582.0	581.4	580.7	580.0	579.2
162.5°	587.2	587.9	587.9	587.2	586.6	586.0	585.4
165°	594.8	595.6	595.6	594.9	594.2	593.5	592.8
167.5°	600.6	601.3	601.3	600.6	599.8	599.0	598.1
170°	603.8	604.6	604.6	603.8	603.0	602.2	601.3
172.5°	605.9	606.7	606.7	605.9	605.0	604.0	603.2
175°	608.5	609.2	609.1	608.3	607.5	606.7	605.9
177.5°	609.3	610.0	609.9	609.1	608.3	607.5	606.7
180°	608.2	608.2	608.2	608.2	608.2	608.2	608.2

(END OF REPORT)