

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: P332314-830

Luminaire Tested: **S123RDIP-S775D805U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332314-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S775D805U830-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5611.7 lumens
Efficiency: N/A
Efficacy: 122.3 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: General Diffuse

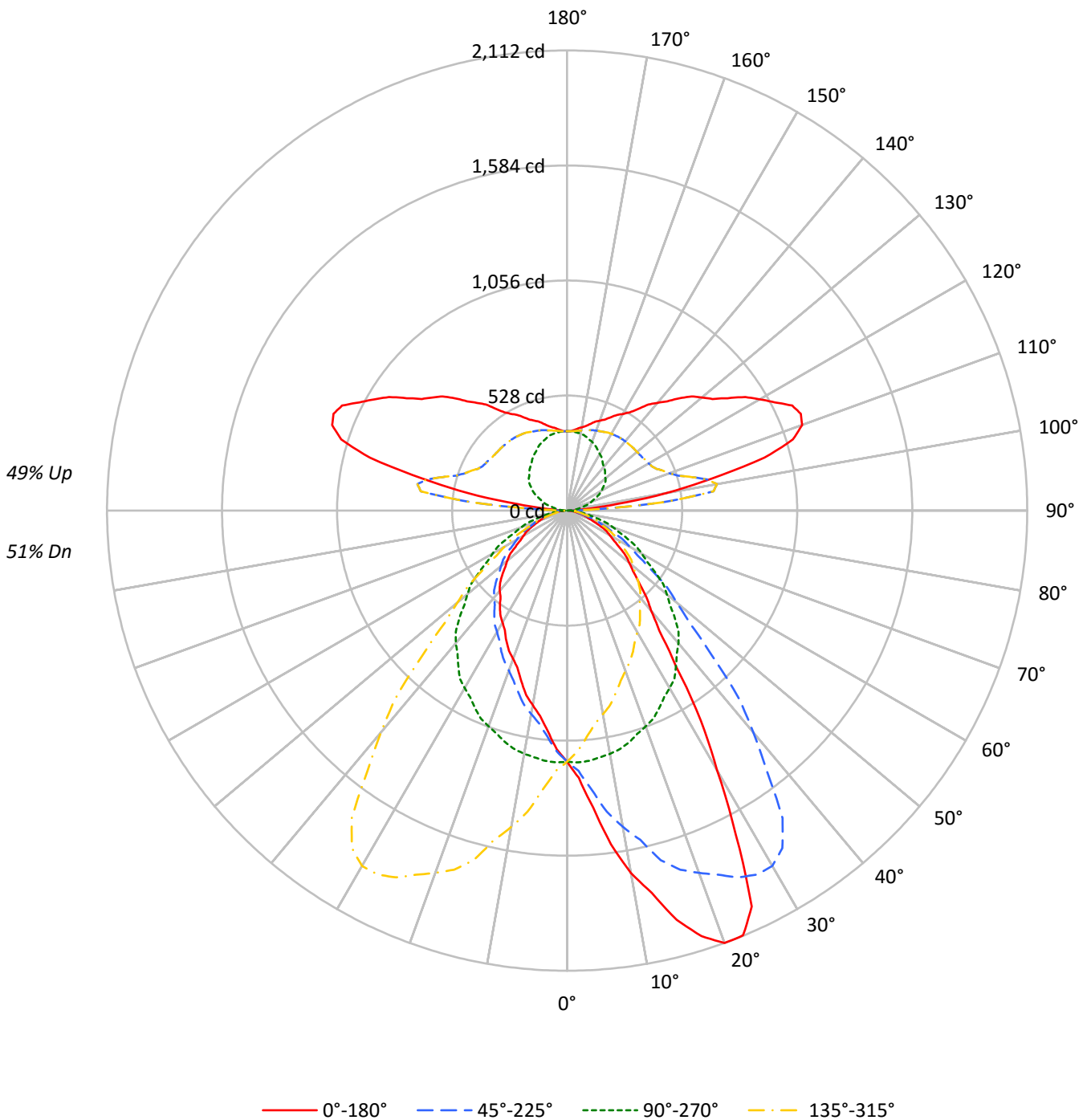
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	95	91	88	91	88	84	82	75	72	70	63	61	60	51	50	49	44
2	90	83	77	72	83	77	72	68	66	62	59	56	53	51	46	44	43	38
3	83	74	67	61	76	69	62	57	59	54	50	50	46	44	41	39	37	33
4	76	66	58	52	70	61	54	49	53	47	43	45	41	38	37	35	32	29
5	70	59	51	45	65	55	48	43	47	42	38	40	36	33	34	31	28	25
6	65	53	45	39	60	49	42	37	43	37	33	37	32	29	31	28	25	23
7	60	48	40	35	55	45	38	33	39	34	30	34	29	26	28	25	23	20
8	56	44	36	31	51	41	34	29	36	30	26	31	27	23	26	23	20	18
9	52	40	33	28	48	37	31	26	33	27	24	28	24	21	24	21	19	17
10	49	37	30	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12408	12408	12408	12408
5°	14791	12460	10974	12460
10°	18467	12389	9913	12389
15°	21677	12262	9040	12262
20°	24192	12073	8298	12073
25°	23807	11874	7842	11874
30°	17112	11691	7372	11691
35°	11426	11452	7068	11452
40°	8418	11164	6753	11164
45°	7060	10659	6445	10659
50°	6231	9999	6015	9999
55°	5465	9242	5427	9242
60°	4865	8521	4971	8521
65°	4274	7743	4625	7743
70°	3355	7050	4223	7050
75°	2957	6159	3855	6159
80°	2572	5232	3794	5232
85°	2075	4199	4026	4199



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	2.0
10°-20°	354.2	6.3
20°-30°	556.4	9.9
30°-40°	580.5	10.3
40°-50°	496.8	8.9
50°-60°	378.6	6.7
60°-70°	242.7	4.3
70°-80°	116.7	2.1
80°-90°	33.7	0.6
90°-100°	202.6	3.6
100°-110°	573.6	10.2
110°-120°	564.3	10.1
120°-130°	450.1	8.0
130°-140°	354.9	6.3
140°-150°	264.9	4.7
150°-160°	184.6	3.3
160°-170°	108.5	1.9
170°-180°	35.3	0.6
0°-30°	1023.9	18.2
0°-40°	1604.4	28.6
0°-60°	2479.8	44.2
0°-90°	2872.9	51.2
90°-120°	1340.5	23.9
90°-150°	2410.4	43.0
90°-180°	2739.0	48.8
0°-180°	5611.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1153	1153	1153	1153	1153	
5°	1369	1153	1016	1153	1369	141
15°	1945	1100	811	1100	1945	552
25°	2004	1000	660	1000	2004	862
35°	870	872	538	872	870	570
45°	464	700	423	700	464	365
55°	291	492	289	492	291	263
65°	168	304	182	304	168	165
75°	71	148	93	148	71	76
85°	17	34	33	34	17	20
90°	21	2	21	2	21	12
95°	86	25	86	25	86	154
105°	937	86	937	86	937	925
115°	1140	151	1140	151	1140	1108
125°	899	210	899	210	899	815
135°	729	246	729	246	729	565
145°	570	281	570	281	570	362
155°	472	319	472	319	472	220
165°	412	349	412	349	412	118
175°	371	363	371	363	371	36
180°	364	364	364	364	364	



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1227.8	1229.4	1224.2	1223.4	1217.5	1215.9	1215.9	1207.6	1202.5	1195.8	1191.8
5°	1368.9	1376.8	1372.8	1364.0	1349.2	1345.7	1336.3	1321.5	1304.8	1284.0	1274.1
7.5°	1545.1	1555.9	1551.8	1538.0	1522.6	1510.0	1483.6	1459.0	1424.6	1394.3	1368.5
10°	1689.6	1678.3	1669.4	1656.0	1641.8	1618.5	1590.9	1552.9	1509.0	1474.5	1436.0
12.5°	1797.8	1795.9	1784.7	1770.9	1750.8	1728.7	1694.8	1648.5	1597.4	1547.6	1503.5
15°	1945.2	1948.2	1940.8	1926.5	1897.9	1858.9	1807.6	1788.3	1715.3	1661.0	1606.8
17.5°	2047.3	2046.7	2045.7	2025.9	1996.7	1969.0	1921.4	1870.8	1804.6	1728.2	1655.0
20°	2112.0	2107.1	2108.1	2085.8	2064.2	2032.1	1985.7	1912.2	1857.9	1769.6	1694.0
22.5°	2110.4	2109.5	2113.3	2105.6	2089.8	2065.3	2028.7	1966.7	1897.4	1808.3	1723.3
25°	2004.5	2000.5	2023.7	2030.1	2055.3	2059.7	2048.9	2014.9	1949.2	1857.4	1752.3
27.5°	1677.6	1675.5	1718.4	1772.4	1840.6	1893.8	1945.0	1969.8	1949.2	1883.5	1778.2
30°	1376.8	1423.1	1444.9	1522.9	1609.7	1713.4	1804.1	1890.5	1911.7	1883.1	1796.7
32.5°	1143.1	1183.6	1201.6	1268.6	1349.5	1470.9	1607.1	1729.4	1815.8	1837.7	1785.6
35°	869.5	870.0	911.4	941.0	1016.1	1140.9	1273.2	1437.0	1599.8	1723.2	1736.0
37.5°	693.8	696.3	721.3	750.8	807.1	873.2	989.6	1125.8	1313.9	1503.3	1614.3
40°	599.1	603.5	622.3	651.4	691.8	741.7	832.5	960.8	1117.7	1328.4	1500.6
42.5°	538.3	545.4	555.2	577.6	602.7	649.3	722.7	821.8	964.5	1163.8	1362.4
45°	463.8	467.8	475.2	485.6	508.3	540.8	590.2	656.8	775.2	935.7	1134.4
47.5°	409.2	407.1	414.9	423.3	438.4	460.6	493.7	548.1	632.5	761.2	929.9
50°	372.1	371.6	377.0	383.4	397.8	414.1	441.2	482.1	549.2	655.8	810.3
52.5°	337.3	339.2	343.1	351.1	361.4	374.6	398.9	428.4	486.1	578.1	706.8
55°	291.2	292.7	298.0	302.5	309.9	323.2	338.6	363.2	402.7	466.8	572.9
57.5°	252.0	251.4	256.6	257.7	266.1	276.9	288.8	307.9	336.6	384.2	455.6
60°	226.0	224.5	228.9	232.4	236.9	245.7	255.6	274.4	297.1	332.1	393.3
62.5°	202.4	201.6	204.9	208.3	212.0	220.1	228.4	242.8	260.7	290.3	338.8
65°	167.8	169.3	170.7	172.2	174.2	179.1	187.0	196.9	209.2	230.0	264.9
67.5°	131.9	133.4	133.8	136.9	141.1	144.2	149.0	157.8	166.4	183.9	203.8
70°	106.6	106.1	106.6	108.1	113.5	118.9	125.4	131.8	137.1	149.5	166.3
72.5°	91.6	90.7	92.0	92.3	94.9	96.4	100.5	106.5	113.5	121.9	133.9
75°	71.1	71.1	71.1	71.1	73.0	74.0	75.5	77.0	79.5	83.4	92.3
77.5°	52.5	52.6	53.3	53.8	54.2	54.8	55.7	57.1	58.1	60.1	64.0
80°	41.5	41.9	41.5	41.9	41.9	42.9	43.5	44.9	45.4	47.9	49.4
82.5°	31.2	30.9	31.2	31.7	31.7	32.7	32.8	33.8	33.9	35.3	36.8
85°	16.8	15.8	16.8	16.3	17.2	16.3	16.8	17.7	17.7	18.3	20.3
87.5°	8.2	9.1	8.2	8.5	8.6	8.7	8.6	8.4	9.0	8.9	8.8
90°	21.4	22.1	21.4	20.6	21.4	19.9	19.1	18.4	17.7	18.4	16.2
92.5°	35.5	36.9	36.1	38.4	39.7	43.5	49.2	62.0	85.5	113.3	124.7
95°	85.5	88.4	93.6	100.2	114.2	140.7	179.8	265.3	354.5	437.0	389.1
97.5°	232.7	239.0	258.9	292.1	346.5	434.6	529.7	661.3	724.5	677.2	495.8
100°	462.0	461.3	490.0	543.8	618.2	722.9	809.1	868.8	843.0	697.9	471.6
102.5°	677.8	694.7	718.8	761.4	819.3	885.6	935.9	937.7	848.9	659.5	436.2
105°	937.4	941.0	964.6	992.6	1026.5	1045.7	1031.6	958.0	804.0	592.5	392.8
107.5°	1086.8	1093.5	1101.5	1111.0	1110.3	1084.1	1019.5	899.9	725.3	533.2	365.0
110°	1148.1	1149.5	1151.0	1145.1	1124.5	1072.9	980.1	844.5	675.7	499.6	354.5



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1160.5	1160.2	1154.6	1136.3	1098.5	1032.3	928.2	789.7	632.7	477.2	348.6
115°	1140.0	1136.3	1121.5	1089.1	1033.9	953.6	845.2	717.0	580.7	453.2	346.4
117.5°	1074.9	1069.8	1048.6	1011.4	953.9	872.3	775.1	664.4	549.3	439.0	347.7
120°	1020.6	1016.2	998.5	957.2	899.0	824.6	736.1	636.7	532.8	432.5	350.1
122.5°	969.9	964.3	944.8	907.7	856.0	786.8	704.9	614.9	519.2	428.5	354.1
125°	899.0	893.8	875.4	843.0	795.9	736.9	666.2	585.8	501.8	423.0	360.3
127.5°	840.7	835.9	819.3	791.5	749.6	696.0	632.1	560.5	486.5	420.4	367.4
130°	807.7	801.7	786.3	759.8	720.7	670.6	610.9	544.6	478.2	418.6	372.1
132.5°	775.2	771.1	757.4	730.8	694.2	646.4	590.9	529.8	470.6	417.9	375.7
135°	728.8	723.6	710.4	688.2	652.1	610.1	562.2	509.9	460.5	417.1	381.0
137.5°	679.8	676.4	665.2	642.7	612.4	576.0	534.7	491.8	451.9	415.5	384.6
140°	645.5	646.3	634.4	613.9	585.8	554.1	518.8	481.2	446.6	414.9	386.9
142.5°	613.7	614.4	603.8	585.5	561.7	534.1	503.4	471.2	441.9	413.7	388.6
145°	569.6	568.2	562.2	546.8	528.4	507.0	483.4	459.1	435.5	411.9	389.8
147.5°	533.4	532.8	527.2	516.7	502.8	487.6	468.5	449.2	429.3	409.2	389.8
150°	512.2	512.2	507.7	499.6	488.5	474.6	459.1	442.1	425.2	406.8	389.8
152.5°	494.5	494.5	491.8	484.3	475.6	463.9	450.3	435.6	420.5	403.8	388.0
155°	472.3	471.6	470.1	464.2	457.6	448.7	437.7	425.9	413.4	398.7	386.2
157.5°	452.1	452.3	451.1	446.7	440.9	434.0	425.5	415.6	405.5	394.1	383.6
160°	439.2	439.9	439.9	435.5	430.4	425.2	417.8	409.7	400.1	390.6	382.5
162.5°	427.4	428.1	428.1	424.3	420.9	416.3	409.5	402.7	394.8	387.0	380.1
165°	411.9	411.9	412.6	409.7	406.8	403.1	397.9	393.5	387.6	381.7	376.5
167.5°	397.2	397.2	397.9	395.9	394.5	391.9	388.9	385.5	380.7	376.5	373.1
170°	388.3	388.3	389.1	387.6	386.9	385.4	382.5	380.2	376.5	372.9	370.7
172.5°	380.1	380.7	382.0	380.5	380.4	379.5	377.1	375.5	372.4	369.9	368.9
175°	370.7	371.4	372.1	371.4	371.4	371.4	369.9	369.2	367.7	366.3	366.3
177.5°	365.2	365.2	366.4	365.8	366.4	366.4	365.8	365.2	364.6	364.0	364.6
180°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1190.2	1189.0	1183.6	1177.2	1168.9	1163.4	1159.0	1156.7	1149.6	1140.9	1135.0
5°	1263.8	1249.0	1233.2	1213.9	1196.2	1177.9	1166.6	1153.2	1137.0	1118.7	1105.9
7.5°	1342.6	1313.5	1282.2	1250.0	1218.0	1189.5	1164.2	1142.6	1116.6	1090.4	1072.1
10°	1403.0	1360.5	1316.5	1271.7	1230.7	1192.2	1162.6	1133.5	1102.4	1072.3	1049.6
12.5°	1457.8	1401.9	1351.3	1296.2	1243.8	1197.8	1155.1	1120.9	1083.5	1051.4	1025.5
15°	1527.3	1470.1	1408.8	1324.9	1255.4	1197.1	1145.4	1100.4	1055.1	1015.6	990.4
17.5°	1592.2	1506.1	1423.9	1353.9	1263.5	1190.7	1127.5	1073.7	1024.0	982.1	951.1
20°	1619.1	1535.7	1446.3	1357.1	1268.2	1186.8	1113.2	1054.0	1002.2	954.9	926.2
22.5°	1635.2	1540.8	1446.7	1350.8	1256.4	1171.8	1099.1	1033.9	977.8	932.7	897.4
25°	1654.1	1541.6	1437.9	1343.2	1247.0	1155.2	1068.8	999.8	939.1	891.2	853.7
27.5°	1666.5	1534.2	1411.7	1306.4	1208.8	1117.4	1038.2	965.1	903.4	852.8	812.6
30°	1668.9	1528.2	1391.6	1277.6	1178.4	1094.5	1010.6	940.6	875.4	821.6	784.1
32.5°	1672.1	1513.6	1364.3	1243.2	1141.7	1058.6	982.6	915.7	848.9	796.0	757.7
35°	1659.1	1505.6	1323.0	1183.8	1082.1	1001.7	933.1	871.5	805.9	754.5	715.5
37.5°	1603.0	1473.5	1280.2	1116.9	1010.6	936.1	880.2	826.4	766.3	710.9	674.2
40°	1546.5	1441.9	1247.0	1076.3	965.3	888.7	838.4	794.5	736.2	684.5	645.0
42.5°	1462.4	1398.9	1215.4	1033.6	913.9	840.2	797.8	756.6	705.5	652.9	615.8
45°	1308.2	1316.5	1150.8	965.7	842.8	768.8	728.9	700.2	654.9	611.4	573.4
47.5°	1114.7	1193.2	1074.9	893.3	767.9	698.4	663.5	638.6	607.9	565.3	530.7
50°	988.4	1100.4	1014.1	844.8	721.0	651.9	617.4	597.1	570.4	536.9	503.8
52.5°	871.9	992.3	940.7	790.7	670.1	606.9	573.2	556.5	535.3	503.7	473.8
55°	711.1	833.0	821.1	709.1	593.6	536.9	511.2	492.5	478.2	454.5	430.8
57.5°	575.2	690.8	696.9	618.3	526.3	470.2	448.2	434.0	424.7	406.8	384.9
60°	489.6	595.6	616.3	557.1	478.2	428.9	407.1	395.8	388.3	374.1	357.3
62.5°	418.5	508.8	532.3	489.7	432.0	385.8	368.8	357.9	352.8	340.4	325.6
65°	320.3	395.3	417.9	394.3	364.2	327.2	313.4	304.0	299.5	292.7	281.7
67.5°	240.8	295.5	320.4	303.7	292.8	269.5	260.6	255.6	251.7	246.9	237.9
70°	193.4	233.9	259.6	255.1	246.3	233.9	227.5	224.0	220.1	216.1	208.2
72.5°	155.5	183.4	207.5	209.7	202.5	199.9	194.4	192.8	190.5	185.8	181.4
75°	103.1	122.3	139.1	145.5	148.5	151.0	148.5	148.1	147.5	143.6	141.1
77.5°	67.6	77.9	88.5	99.4	104.2	107.4	108.3	110.1	108.8	106.7	105.5
80°	51.8	54.3	61.6	71.1	78.4	81.4	83.4	84.4	83.9	83.4	81.4
82.5°	37.6	39.7	43.2	49.8	56.0	60.9	62.1	61.9	63.0	63.2	61.6
85°	20.3	20.7	21.7	22.7	26.1	31.6	33.1	34.0	35.1	35.1	32.0
87.5°	9.1	8.3	8.7	8.3	9.2	9.1	11.2	12.9	13.6	12.3	12.8
90°	14.0	11.8	9.6	8.1	6.6	4.4	2.9	1.5	2.9	4.4	6.6
92.5°	93.6	61.9	42.6	31.7	25.5	19.8	13.6	9.1	13.6	19.8	25.5
95°	268.2	158.4	95.8	67.0	47.9	35.3	27.2	25.1	27.2	35.3	47.9
97.5°	294.4	170.5	110.7	79.6	60.7	49.9	43.5	42.7	43.5	49.9	60.7
100°	277.8	168.7	117.2	88.4	70.8	60.4	55.2	54.6	55.2	60.4	70.8
102.5°	263.6	171.1	124.8	98.5	82.6	72.8	68.2	66.9	68.2	72.8	82.6
105°	253.4	177.6	137.8	115.0	100.9	92.1	87.7	85.5	87.7	92.1	100.9
107.5°	252.8	189.6	154.8	133.6	120.4	111.7	107.4	105.2	107.4	111.7	120.4
110°	255.7	199.7	166.5	145.9	133.4	125.3	121.6	119.4	121.6	125.3	133.4



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	261.6	209.7	178.9	158.9	146.4	138.3	134.6	132.3	134.6	138.3	146.4
115°	271.2	226.2	198.2	178.3	165.8	158.4	154.0	151.1	154.0	158.4	165.8
117.5°	283.9	243.7	216.0	197.7	183.6	176.8	173.1	169.8	173.1	176.8	183.6
120°	293.3	255.0	228.5	210.0	196.0	188.6	184.9	182.8	184.9	188.6	196.0
122.5°	302.1	266.7	240.8	221.2	207.8	199.8	196.1	194.0	196.1	199.8	207.8
125°	316.1	283.7	257.9	238.0	224.0	215.9	211.5	210.0	211.5	215.9	224.0
127.5°	327.6	298.4	273.5	253.6	238.2	229.9	224.4	222.3	224.4	229.9	238.2
130°	335.3	307.3	283.0	263.1	247.6	238.7	232.1	229.9	232.1	238.7	247.6
132.5°	342.3	314.9	291.2	271.9	256.5	245.8	238.7	235.8	238.7	245.8	256.5
135°	351.5	326.4	303.6	283.7	268.2	257.2	249.1	246.1	249.1	257.2	268.2
137.5°	358.3	334.4	312.5	294.0	278.7	266.9	258.9	255.8	258.9	266.9	278.7
140°	361.8	339.7	318.3	299.9	285.2	273.4	266.0	262.3	266.0	273.4	285.2
142.5°	365.3	343.8	323.0	305.9	291.1	280.5	272.5	269.4	272.5	280.5	291.1
145°	369.2	349.3	330.2	313.2	300.7	289.6	283.0	280.8	283.0	289.6	300.7
147.5°	371.6	353.7	336.2	321.7	309.6	300.1	293.6	292.3	293.6	300.1	309.6
150°	372.1	356.7	339.7	326.4	316.1	306.5	300.7	299.9	300.7	306.5	316.1
152.5°	373.3	358.4	343.8	331.1	322.1	313.6	307.7	307.6	307.7	313.6	322.1
155°	373.6	361.8	349.3	338.9	330.8	323.5	319.1	319.1	319.1	323.5	330.8
157.5°	374.4	363.7	353.7	345.7	338.8	332.3	328.8	328.2	328.8	332.3	338.8
160°	374.4	365.5	356.7	349.3	344.1	338.3	335.3	335.3	335.3	338.3	344.1
162.5°	373.7	366.1	358.4	352.2	347.7	343.0	340.6	340.6	340.6	343.0	347.7
165°	372.1	366.9	361.1	355.9	353.0	349.3	347.8	348.6	347.8	349.3	353.0
167.5°	371.0	366.8	362.6	359.3	357.2	354.5	353.7	354.6	353.7	354.5	357.2
170°	369.2	366.3	362.6	361.1	359.6	357.4	356.7	358.2	356.7	357.4	359.6
172.5°	368.6	366.3	363.2	362.2	361.4	359.8	359.6	360.5	359.6	359.8	361.4
175°	366.9	365.5	364.0	363.3	363.3	361.8	362.6	363.3	362.6	361.8	363.3
177.5°	365.8	364.6	364.0	364.0	364.0	363.4	364.0	364.6	364.0	363.4	364.0
180°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1133.0	1127.8	1124.4	1116.4	1111.3	1105.8	1100.2	1103.8	1103.4	1103.0	1103.0
5°	1095.0	1083.6	1073.3	1060.0	1051.6	1041.2	1033.3	1032.4	1034.3	1027.4	1023.4
7.5°	1057.3	1041.8	1027.1	1012.4	996.8	984.4	976.6	972.9	967.9	963.7	959.2
10°	1030.9	1012.6	998.2	980.1	963.3	948.5	939.1	932.6	929.2	925.8	919.4
12.5°	1003.6	985.7	967.5	946.9	930.9	913.7	906.7	899.5	892.9	889.0	880.2
15°	963.7	940.6	921.3	899.6	881.8	865.1	855.2	840.8	838.9	834.0	825.1
17.5°	923.8	898.6	872.0	856.0	835.9	818.5	803.4	798.6	784.5	779.2	771.5
20°	892.2	869.0	848.8	827.6	798.4	782.1	770.3	763.9	752.5	745.6	740.6
22.5°	865.0	841.4	817.9	793.2	769.2	750.9	742.3	732.3	726.1	716.4	711.1
25°	826.0	800.4	772.3	745.6	728.4	714.5	700.7	691.8	683.0	678.5	668.6
27.5°	780.9	754.0	727.7	707.6	686.4	672.7	660.2	652.2	641.6	634.1	628.7
30°	756.0	724.4	701.7	683.4	656.3	643.5	634.1	624.2	616.3	608.4	603.0
32.5°	727.2	698.3	676.8	654.2	633.4	619.4	607.3	598.6	591.8	584.4	578.9
35°	681.9	657.8	635.6	612.8	597.6	583.2	569.0	561.6	555.2	548.3	543.3
37.5°	641.1	618.5	597.4	575.9	556.9	545.3	533.8	528.1	519.4	514.8	509.7
40°	615.9	593.6	570.9	550.3	530.5	521.6	511.2	502.8	494.9	491.5	486.1
42.5°	588.2	566.0	546.9	524.5	508.4	496.3	486.7	477.6	471.6	466.7	463.5
45°	547.2	527.5	508.8	486.5	471.3	460.9	450.1	441.7	436.2	432.8	427.3
47.5°	507.5	487.8	468.7	449.3	434.5	422.7	411.9	406.0	398.8	394.5	391.0
50°	478.6	460.9	440.6	422.9	408.1	396.2	387.4	379.9	373.5	368.2	365.7
52.5°	452.2	433.3	415.8	399.3	383.6	370.2	362.1	354.3	349.5	343.3	340.4
55°	408.6	390.3	375.5	359.2	343.9	332.6	322.7	315.8	310.9	304.0	300.0
57.5°	367.6	351.3	333.6	319.4	303.7	294.1	285.9	276.5	270.5	265.1	261.3
60°	340.0	321.2	305.9	292.7	278.8	266.5	259.1	251.7	245.2	239.8	236.4
62.5°	311.2	294.8	280.3	265.8	253.2	242.4	233.8	227.6	222.0	218.5	215.1
65°	266.9	254.1	239.3	227.5	215.7	207.7	200.9	195.4	191.4	189.0	186.1
67.5°	226.3	213.9	201.0	189.3	181.4	175.4	170.9	166.2	164.2	161.1	159.1
70°	199.8	187.0	175.7	166.8	158.9	154.5	151.5	148.1	146.1	142.1	140.2
72.5°	171.1	161.7	153.5	146.3	140.0	135.9	132.1	127.9	124.8	120.4	118.5
75°	134.7	126.3	119.9	115.0	111.0	105.6	100.2	95.8	94.3	92.7	92.3
77.5°	99.8	94.4	89.8	85.7	80.8	76.8	75.6	74.6	74.3	73.5	73.5
80°	78.4	73.5	70.0	65.1	62.2	62.2	62.2	61.2	61.6	61.6	61.6
82.5°	58.3	53.8	51.9	50.1	49.6	50.0	50.0	50.1	49.9	50.6	50.2
85°	30.1	30.6	31.6	31.1	31.6	31.6	32.6	32.0	32.6	31.6	32.6
87.5°	12.6	14.1	15.0	15.8	16.7	16.7	17.0	17.1	17.6	17.8	18.1
90°	8.1	9.6	11.8	14.0	16.2	18.4	17.7	18.4	19.1	19.9	21.4
92.5°	31.7	42.6	61.9	93.6	124.7	113.3	85.5	62.0	49.2	43.5	39.7
95°	67.0	95.8	158.4	268.2	389.1	437.0	354.5	265.3	179.8	140.7	114.2
97.5°	79.6	110.7	170.5	294.4	495.8	677.2	724.5	661.3	529.7	434.6	346.5
100°	88.4	117.2	168.7	277.8	471.6	697.9	843.0	868.8	809.1	722.9	618.2
102.5°	98.5	124.8	171.1	263.6	436.2	659.5	848.9	937.7	935.9	885.6	819.3
105°	115.0	137.8	177.6	253.4	392.8	592.5	804.0	958.0	1031.6	1045.7	1026.5
107.5°	133.6	154.8	189.6	252.8	365.0	533.2	725.3	899.9	1019.5	1084.1	1110.3
110°	145.9	166.5	199.7	255.7	354.5	499.6	675.7	844.5	980.1	1072.9	1124.5



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	158.9	178.9	209.7	261.6	348.6	477.2	632.7	789.7	928.2	1032.3	1098.5
115°	178.3	198.2	226.2	271.2	346.4	453.2	580.7	717.0	845.2	953.6	1033.9
117.5°	197.7	216.0	243.7	283.9	347.7	439.0	549.3	664.4	775.1	872.3	953.9
120°	210.0	228.5	255.0	293.3	350.1	432.5	532.8	636.7	736.1	824.6	899.0
122.5°	221.2	240.8	266.7	302.1	354.1	428.5	519.2	614.9	704.9	786.8	856.0
125°	238.0	257.9	283.7	316.1	360.3	423.0	501.8	585.8	666.2	736.9	795.9
127.5°	253.6	273.5	298.4	327.6	367.4	420.4	486.5	560.5	632.1	696.0	749.6
130°	263.1	283.0	307.3	335.3	372.1	418.6	478.2	544.6	610.9	670.6	720.7
132.5°	271.9	291.2	314.9	342.3	375.7	417.9	470.6	529.8	590.9	646.4	694.2
135°	283.7	303.6	326.4	351.5	381.0	417.1	460.5	509.9	562.2	610.1	652.1
137.5°	294.0	312.5	334.4	358.3	384.6	415.5	451.9	491.8	534.7	576.0	612.4
140°	299.9	318.3	339.7	361.8	386.9	414.9	446.6	481.2	518.8	554.1	585.8
142.5°	305.9	323.0	343.8	365.3	388.6	413.7	441.9	471.2	503.4	534.1	561.7
145°	313.2	330.2	349.3	369.2	389.8	411.9	435.5	459.1	483.4	507.0	528.4
147.5°	321.7	336.2	353.7	371.6	389.8	409.2	429.3	449.2	468.5	487.6	502.8
150°	326.4	339.7	356.7	372.1	389.8	406.8	425.2	442.1	459.1	474.6	488.5
152.5°	331.1	343.8	358.4	373.3	388.0	403.8	420.5	435.6	450.3	463.9	475.6
155°	338.9	349.3	361.8	373.6	386.2	398.7	413.4	425.9	437.7	448.7	457.6
157.5°	345.7	353.7	363.7	374.4	383.6	394.1	405.5	415.6	425.5	434.0	440.9
160°	349.3	356.7	365.5	374.4	382.5	390.6	400.1	409.7	417.8	425.2	430.4
162.5°	352.2	358.4	366.1	373.7	380.1	387.0	394.8	402.7	409.5	416.3	420.9
165°	355.9	361.1	366.9	372.1	376.5	381.7	387.6	393.5	397.9	403.1	406.8
167.5°	359.3	362.6	366.8	371.0	373.1	376.5	380.7	385.5	388.9	391.9	394.5
170°	361.1	362.6	366.3	369.2	370.7	372.9	376.5	380.2	382.5	385.4	386.9
172.5°	362.2	363.2	366.3	368.6	368.9	369.9	372.4	375.5	377.1	379.5	380.4
175°	363.3	364.0	365.5	366.9	366.3	366.3	367.7	369.2	369.9	371.4	371.4
177.5°	364.0	364.0	364.6	365.8	364.6	364.0	364.6	365.2	365.8	366.4	366.4
180°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1098.3	1097.9	1098.3	1096.6	1098.3	1097.9	1098.3	1103.0	1103.0	1103.4	1103.8
5°	1022.0	1021.4	1020.0	1015.6	1020.0	1021.4	1022.0	1023.4	1027.4	1034.3	1032.4
7.5°	955.4	954.7	950.4	950.5	950.4	954.7	955.4	959.2	963.7	967.9	972.9
10°	915.9	916.3	910.5	907.0	910.5	916.3	915.9	919.4	925.8	929.2	932.6
12.5°	877.6	875.3	870.5	866.8	870.5	875.3	877.6	880.2	889.0	892.9	899.5
15°	827.1	822.1	810.3	811.2	810.3	822.1	827.1	825.1	834.0	838.9	840.8
17.5°	767.5	763.9	763.6	756.8	763.6	763.9	767.5	771.5	779.2	784.5	798.6
20°	732.8	730.4	731.3	724.4	731.3	730.4	732.8	740.6	745.6	752.5	763.9
22.5°	705.6	703.1	699.0	696.8	699.0	703.1	705.6	711.1	716.4	726.1	732.3
25°	665.7	661.8	657.8	660.3	657.8	661.8	665.7	668.6	678.5	683.0	691.8
27.5°	625.8	622.8	618.9	618.4	618.9	622.8	625.8	628.7	634.1	641.6	652.2
30°	600.6	597.6	595.6	593.1	595.6	597.6	600.6	603.0	608.4	616.3	624.2
32.5°	574.9	574.3	570.7	570.2	570.7	574.3	574.9	578.9	584.4	591.8	598.6
35°	541.3	538.4	537.3	537.9	537.3	538.4	541.3	543.3	548.3	555.2	561.6
37.5°	509.4	505.5	503.7	502.0	503.7	505.5	509.4	509.7	514.8	519.4	528.1
40°	486.5	482.6	481.6	480.6	481.6	482.6	486.5	486.1	491.5	494.9	502.8
42.5°	460.9	459.3	458.7	456.9	458.7	459.3	460.9	463.5	466.7	471.6	477.6
45°	425.8	425.4	422.4	423.4	422.4	425.4	425.8	427.3	432.8	436.2	441.7
47.5°	389.0	386.8	384.7	386.1	384.7	386.8	389.0	391.0	394.5	398.8	406.0
50°	363.7	362.7	358.3	359.2	358.3	362.7	363.7	365.7	368.2	373.5	379.9
52.5°	338.5	334.7	333.0	332.4	333.0	334.7	338.5	340.4	343.3	349.5	354.3
55°	296.6	292.1	290.1	289.2	290.1	292.1	296.6	300.0	304.0	310.9	315.8
57.5°	255.5	254.3	252.8	253.8	252.8	254.3	255.5	261.3	265.1	270.5	276.5
60°	231.4	231.4	231.4	230.9	231.4	231.4	231.4	236.4	239.8	245.2	251.7
62.5°	212.9	211.7	211.3	212.0	211.3	211.7	212.9	215.1	218.5	222.0	227.6
65°	184.5	184.1	182.1	181.6	182.1	184.1	184.5	186.1	189.0	191.4	195.4
67.5°	157.8	156.0	155.4	154.8	155.4	156.0	157.8	159.1	161.1	164.2	166.2
70°	137.7	136.7	133.7	134.2	133.7	136.7	137.7	140.2	142.1	146.1	148.1
72.5°	115.9	115.0	114.4	113.7	114.4	115.0	115.9	118.5	120.4	124.8	127.9
75°	91.8	91.3	90.8	92.7	90.8	91.3	91.8	92.3	92.7	94.3	95.8
77.5°	73.5	73.5	73.8	73.0	73.8	73.5	73.5	73.5	73.5	74.3	74.6
80°	61.6	61.6	61.2	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.2
82.5°	49.5	49.9	50.1	49.4	50.1	49.9	49.5	50.2	50.6	49.9	50.1
85°	32.6	32.0	33.1	32.6	33.1	32.0	32.6	32.6	31.6	32.6	32.0
87.5°	18.8	18.1	18.3	18.5	18.3	18.1	18.8	18.1	17.8	17.6	17.1
90°	20.6	21.4	22.1	21.4	22.1	21.4	20.6	21.4	19.9	19.1	18.4
92.5°	38.4	36.1	36.9	35.5	36.9	36.1	38.4	39.7	43.5	49.2	62.0
95°	100.2	93.6	88.4	85.5	88.4	93.6	100.2	114.2	140.7	179.8	265.3
97.5°	292.1	258.9	239.0	232.7	239.0	258.9	292.1	346.5	434.6	529.7	661.3
100°	543.8	490.0	461.3	462.0	461.3	490.0	543.8	618.2	722.9	809.1	868.8
102.5°	761.4	718.8	694.7	677.8	694.7	718.8	761.4	819.3	885.6	935.9	937.7
105°	992.6	964.6	941.0	937.4	941.0	964.6	992.6	1026.5	1045.7	1031.6	958.0
107.5°	1111.0	1101.5	1093.5	1086.8	1093.5	1101.5	1111.0	1110.3	1084.1	1019.5	899.9
110°	1145.1	1151.0	1149.5	1148.1	1149.5	1151.0	1145.1	1124.5	1072.9	980.1	844.5



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1136.3	1154.6	1160.2	1160.5	1160.2	1154.6	1136.3	1098.5	1032.3	928.2	789.7
115°	1089.1	1121.5	1136.3	1140.0	1136.3	1121.5	1089.1	1033.9	953.6	845.2	717.0
117.5°	1011.4	1048.6	1069.8	1074.9	1069.8	1048.6	1011.4	953.9	872.3	775.1	664.4
120°	957.2	998.5	1016.2	1020.6	1016.2	998.5	957.2	899.0	824.6	736.1	636.7
122.5°	907.7	944.8	964.3	969.9	964.3	944.8	907.7	856.0	786.8	704.9	614.9
125°	843.0	875.4	893.8	899.0	893.8	875.4	843.0	795.9	736.9	666.2	585.8
127.5°	791.5	819.3	835.9	840.7	835.9	819.3	791.5	749.6	696.0	632.1	560.5
130°	759.8	786.3	801.7	807.7	801.7	786.3	759.8	720.7	670.6	610.9	544.6
132.5°	730.8	757.4	771.1	775.2	771.1	757.4	730.8	694.2	646.4	590.9	529.8
135°	688.2	710.4	723.6	728.8	723.6	710.4	688.2	652.1	610.1	562.2	509.9
137.5°	642.7	665.2	676.4	679.8	676.4	665.2	642.7	612.4	576.0	534.7	491.8
140°	613.9	634.4	646.3	645.5	646.3	634.4	613.9	585.8	554.1	518.8	481.2
142.5°	585.5	603.8	614.4	613.7	614.4	603.8	585.5	561.7	534.1	503.4	471.2
145°	546.8	562.2	568.2	569.6	568.2	562.2	546.8	528.4	507.0	483.4	459.1
147.5°	516.7	527.2	532.8	533.4	532.8	527.2	516.7	502.8	487.6	468.5	449.2
150°	499.6	507.7	512.2	512.2	512.2	507.7	499.6	488.5	474.6	459.1	442.1
152.5°	484.3	491.8	494.5	494.5	494.5	491.8	484.3	475.6	463.9	450.3	435.6
155°	464.2	470.1	471.6	472.3	471.6	470.1	464.2	457.6	448.7	437.7	425.9
157.5°	446.7	451.1	452.3	452.1	452.3	451.1	446.7	440.9	434.0	425.5	415.6
160°	435.5	439.9	439.9	439.2	439.9	439.9	435.5	430.4	425.2	417.8	409.7
162.5°	424.3	428.1	428.1	427.4	428.1	428.1	424.3	420.9	416.3	409.5	402.7
165°	409.7	412.6	411.9	411.9	411.9	412.6	409.7	406.8	403.1	397.9	393.5
167.5°	395.9	397.9	397.2	397.2	397.2	397.9	395.9	394.5	391.9	388.9	385.5
170°	387.6	389.1	388.3	388.3	388.3	389.1	387.6	386.9	385.4	382.5	380.2
172.5°	380.5	382.0	380.7	380.1	380.7	382.0	380.5	380.4	379.5	377.1	375.5
175°	371.4	372.1	371.4	370.7	371.4	372.1	371.4	371.4	371.4	369.9	369.2
177.5°	365.8	366.4	365.2	365.2	365.2	366.4	365.8	366.4	366.4	365.8	365.2
180°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1100.2	1105.8	1111.3	1116.4	1124.4	1127.8	1133.0	1135.0	1140.9	1149.6	1156.7
5°	1033.3	1041.2	1051.6	1060.0	1073.3	1083.6	1095.0	1105.9	1118.7	1137.0	1153.2
7.5°	976.6	984.4	996.8	1012.4	1027.1	1041.8	1057.3	1072.1	1090.4	1116.6	1142.6
10°	939.1	948.5	963.3	980.1	998.2	1012.6	1030.9	1049.6	1072.3	1102.4	1133.5
12.5°	906.7	913.7	930.9	946.9	967.5	985.7	1003.6	1025.5	1051.4	1083.5	1120.9
15°	855.2	865.1	881.8	899.6	921.3	940.6	963.7	990.4	1015.6	1055.1	1100.4
17.5°	803.4	818.5	835.9	856.0	872.0	898.6	923.8	951.1	982.1	1024.0	1073.7
20°	770.3	782.1	798.4	827.6	848.8	869.0	892.2	926.2	954.9	1002.2	1054.0
22.5°	742.3	750.9	769.2	793.2	817.9	841.4	865.0	897.4	932.7	977.8	1033.9
25°	700.7	714.5	728.4	745.6	772.3	800.4	826.0	853.7	891.2	939.1	999.8
27.5°	660.2	672.7	686.4	707.6	727.7	754.0	780.9	812.6	852.8	903.4	965.1
30°	634.1	643.5	656.3	683.4	701.7	724.4	756.0	784.1	821.6	875.4	940.6
32.5°	607.3	619.4	633.4	654.2	676.8	698.3	727.2	757.7	796.0	848.9	915.7
35°	569.0	583.2	597.6	612.8	635.6	657.8	681.9	715.5	754.5	805.9	871.5
37.5°	533.8	545.3	556.9	575.9	597.4	618.5	641.1	674.2	710.9	766.3	826.4
40°	511.2	521.6	530.5	550.3	570.9	593.6	615.9	645.0	684.5	736.2	794.5
42.5°	486.7	496.3	508.4	524.5	546.9	566.0	588.2	615.8	652.9	705.5	756.6
45°	450.1	460.9	471.3	486.5	508.8	527.5	547.2	573.4	611.4	654.9	700.2
47.5°	411.9	422.7	434.5	449.3	468.7	487.8	507.5	530.7	565.3	607.9	638.6
50°	387.4	396.2	408.1	422.9	440.6	460.9	478.6	503.8	536.9	570.4	597.1
52.5°	362.1	370.2	383.6	399.3	415.8	433.3	452.2	473.8	503.7	535.3	556.5
55°	322.7	332.6	343.9	359.2	375.5	390.3	408.6	430.8	454.5	478.2	492.5
57.5°	285.9	294.1	303.7	319.4	333.6	351.3	367.6	384.9	406.8	424.7	434.0
60°	259.1	266.5	278.8	292.7	305.9	321.2	340.0	357.3	374.1	388.3	395.8
62.5°	233.8	242.4	253.2	265.8	280.3	294.8	311.2	325.6	340.4	352.8	357.9
65°	200.9	207.7	215.7	227.5	239.3	254.1	266.9	281.7	292.7	299.5	304.0
67.5°	170.9	175.4	181.4	189.3	201.0	213.9	226.3	237.9	246.9	251.7	255.6
70°	151.5	154.5	158.9	166.8	175.7	187.0	199.8	208.2	216.1	220.1	224.0
72.5°	132.1	135.9	140.0	146.3	153.5	161.7	171.1	181.4	185.8	190.5	192.8
75°	100.2	105.6	111.0	115.0	119.9	126.3	134.7	141.1	143.6	147.5	148.1
77.5°	75.6	76.8	80.8	85.7	89.8	94.4	99.8	105.5	106.7	108.8	110.1
80°	62.2	62.2	62.2	65.1	70.0	73.5	78.4	81.4	83.4	83.9	84.4
82.5°	50.0	50.0	49.6	50.1	51.9	53.8	58.3	61.6	63.2	63.0	61.9
85°	32.6	31.6	31.6	31.1	31.6	30.6	30.1	32.0	35.1	35.1	34.0
87.5°	17.0	16.7	16.7	15.8	15.0	14.1	12.6	12.8	12.3	13.6	12.9
90°	17.7	18.4	16.2	14.0	11.8	9.6	8.1	6.6	4.4	2.9	1.5
92.5°	85.5	113.3	124.7	93.6	61.9	42.6	31.7	25.5	19.8	13.6	9.1
95°	354.5	437.0	389.1	268.2	158.4	95.8	67.0	47.9	35.3	27.2	25.1
97.5°	724.5	677.2	495.8	294.4	170.5	110.7	79.6	60.7	49.9	43.5	42.7
100°	843.0	697.9	471.6	277.8	168.7	117.2	88.4	70.8	60.4	55.2	54.6
102.5°	848.9	659.5	436.2	263.6	171.1	124.8	98.5	82.6	72.8	68.2	66.9
105°	804.0	592.5	392.8	253.4	177.6	137.8	115.0	100.9	92.1	87.7	85.5
107.5°	725.3	533.2	365.0	252.8	189.6	154.8	133.6	120.4	111.7	107.4	105.2
110°	675.7	499.6	354.5	255.7	199.7	166.5	145.9	133.4	125.3	121.6	119.4



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	632.7	477.2	348.6	261.6	209.7	178.9	158.9	146.4	138.3	134.6	132.3
115°	580.7	453.2	346.4	271.2	226.2	198.2	178.3	165.8	158.4	154.0	151.1
117.5°	549.3	439.0	347.7	283.9	243.7	216.0	197.7	183.6	176.8	173.1	169.8
120°	532.8	432.5	350.1	293.3	255.0	228.5	210.0	196.0	188.6	184.9	182.8
122.5°	519.2	428.5	354.1	302.1	266.7	240.8	221.2	207.8	199.8	196.1	194.0
125°	501.8	423.0	360.3	316.1	283.7	257.9	238.0	224.0	215.9	211.5	210.0
127.5°	486.5	420.4	367.4	327.6	298.4	273.5	253.6	238.2	229.9	224.4	222.3
130°	478.2	418.6	372.1	335.3	307.3	283.0	263.1	247.6	238.7	232.1	229.9
132.5°	470.6	417.9	375.7	342.3	314.9	291.2	271.9	256.5	245.8	238.7	235.8
135°	460.5	417.1	381.0	351.5	326.4	303.6	283.7	268.2	257.2	249.1	246.1
137.5°	451.9	415.5	384.6	358.3	334.4	312.5	294.0	278.7	266.9	258.9	255.8
140°	446.6	414.9	386.9	361.8	339.7	318.3	299.9	285.2	273.4	266.0	262.3
142.5°	441.9	413.7	388.6	365.3	343.8	323.0	305.9	291.1	280.5	272.5	269.4
145°	435.5	411.9	389.8	369.2	349.3	330.2	313.2	300.7	289.6	283.0	280.8
147.5°	429.3	409.2	389.8	371.6	353.7	336.2	321.7	309.6	300.1	293.6	292.3
150°	425.2	406.8	389.8	372.1	356.7	339.7	326.4	316.1	306.5	300.7	299.9
152.5°	420.5	403.8	388.0	373.3	358.4	343.8	331.1	322.1	313.6	307.7	307.6
155°	413.4	398.7	386.2	373.6	361.8	349.3	338.9	330.8	323.5	319.1	319.1
157.5°	405.5	394.1	383.6	374.4	363.7	353.7	345.7	338.8	332.3	328.8	328.2
160°	400.1	390.6	382.5	374.4	365.5	356.7	349.3	344.1	338.3	335.3	335.3
162.5°	394.8	387.0	380.1	373.7	366.1	358.4	352.2	347.7	343.0	340.6	340.6
165°	387.6	381.7	376.5	372.1	366.9	361.1	355.9	353.0	349.3	347.8	348.6
167.5°	380.7	376.5	373.1	371.0	366.8	362.6	359.3	357.2	354.5	353.7	354.6
170°	376.5	372.9	370.7	369.2	366.3	362.6	361.1	359.6	357.4	356.7	358.2
172.5°	372.4	369.9	368.9	368.6	366.3	363.2	362.2	361.4	359.8	359.6	360.5
175°	367.7	366.3	366.3	366.9	365.5	364.0	363.3	363.3	361.8	362.6	363.3
177.5°	364.6	364.0	364.6	365.8	364.6	364.0	364.0	364.0	363.4	364.0	364.6
180°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1159.0	1163.4	1168.9	1177.2	1183.6	1189.0	1190.2	1191.8	1195.8	1202.5	1207.6
5°	1166.6	1177.9	1196.2	1213.9	1233.2	1249.0	1263.8	1274.1	1284.0	1304.8	1321.5
7.5°	1164.2	1189.5	1218.0	1250.0	1282.2	1313.5	1342.6	1368.5	1394.3	1424.6	1459.0
10°	1162.6	1192.2	1230.7	1271.7	1316.5	1360.5	1403.0	1436.0	1474.5	1509.0	1552.9
12.5°	1155.1	1197.8	1243.8	1296.2	1351.3	1401.9	1457.8	1503.5	1547.6	1597.4	1648.5
15°	1145.4	1197.1	1255.4	1324.9	1408.8	1470.1	1527.3	1606.8	1661.0	1715.3	1788.3
17.5°	1127.5	1190.7	1263.5	1353.9	1423.9	1506.1	1592.2	1655.0	1728.2	1804.6	1870.8
20°	1113.2	1186.8	1268.2	1357.1	1446.3	1535.7	1619.1	1694.0	1769.6	1857.9	1912.2
22.5°	1099.1	1171.8	1256.4	1350.8	1446.7	1540.8	1635.2	1723.3	1808.3	1897.4	1966.7
25°	1068.8	1155.2	1247.0	1343.2	1437.9	1541.6	1654.1	1752.3	1857.4	1949.2	2014.9
27.5°	1038.2	1117.4	1208.8	1306.4	1411.7	1534.2	1666.5	1778.2	1883.5	1949.2	1969.8
30°	1010.6	1094.5	1178.4	1277.6	1391.6	1528.2	1668.9	1796.7	1883.1	1911.7	1890.5
32.5°	982.6	1058.6	1141.7	1243.2	1364.3	1513.6	1672.1	1785.6	1837.7	1815.8	1729.4
35°	933.1	1001.7	1082.1	1183.8	1323.0	1505.6	1659.1	1736.0	1723.2	1599.8	1437.0
37.5°	880.2	936.1	1010.6	1116.9	1280.2	1473.5	1603.0	1614.3	1503.3	1313.9	1125.8
40°	838.4	888.7	965.3	1076.3	1247.0	1441.9	1546.5	1500.6	1328.4	1117.7	960.8
42.5°	797.8	840.2	913.9	1033.6	1215.4	1398.9	1462.4	1362.4	1163.8	964.5	821.8
45°	728.9	768.8	842.8	965.7	1150.8	1316.5	1308.2	1134.4	935.7	775.2	656.8
47.5°	663.5	698.4	767.9	893.3	1074.9	1193.2	1114.7	929.9	761.2	632.5	548.1
50°	617.4	651.9	721.0	844.8	1014.1	1100.4	988.4	810.3	655.8	549.2	482.1
52.5°	573.2	606.9	670.1	790.7	940.7	992.3	871.9	706.8	578.1	486.1	428.4
55°	511.2	536.9	593.6	709.1	821.1	833.0	711.1	572.9	466.8	402.7	363.2
57.5°	448.2	470.2	526.3	618.3	696.9	690.8	575.2	455.6	384.2	336.6	307.9
60°	407.1	428.9	478.2	557.1	616.3	595.6	489.6	393.3	332.1	297.1	274.4
62.5°	368.8	385.8	432.0	489.7	532.3	508.8	418.5	338.8	290.3	260.7	242.8
65°	313.4	327.2	364.2	394.3	417.9	395.3	320.3	264.9	230.0	209.2	196.9
67.5°	260.6	269.5	292.8	303.7	320.4	295.5	240.8	203.8	183.9	166.4	157.8
70°	227.5	233.9	246.3	255.1	259.6	233.9	193.4	166.3	149.5	137.1	131.8
72.5°	194.4	199.9	202.5	209.7	207.5	183.4	155.5	133.9	121.9	113.5	106.5
75°	148.5	151.0	148.5	145.5	139.1	122.3	103.1	92.3	83.4	79.5	77.0
77.5°	108.3	107.4	104.2	99.4	88.5	77.9	67.6	64.0	60.1	58.1	57.1
80°	83.4	81.4	78.4	71.1	61.6	54.3	51.8	49.4	47.9	45.4	44.9
82.5°	62.1	60.9	56.0	49.8	43.2	39.7	37.6	36.8	35.3	33.9	33.8
85°	33.1	31.6	26.1	22.7	21.7	20.7	20.3	20.3	18.3	17.7	17.7
87.5°	11.2	9.1	9.2	8.3	8.7	8.3	9.1	8.8	8.9	9.0	8.4
90°	2.9	4.4	6.6	8.1	9.6	11.8	14.0	16.2	18.4	17.7	18.4
92.5°	13.6	19.8	25.5	31.7	42.6	61.9	93.6	124.7	113.3	85.5	62.0
95°	27.2	35.3	47.9	67.0	95.8	158.4	268.2	389.1	437.0	354.5	265.3
97.5°	43.5	49.9	60.7	79.6	110.7	170.5	294.4	495.8	677.2	724.5	661.3
100°	55.2	60.4	70.8	88.4	117.2	168.7	277.8	471.6	697.9	843.0	868.8
102.5°	68.2	72.8	82.6	98.5	124.8	171.1	263.6	436.2	659.5	848.9	937.7
105°	87.7	92.1	100.9	115.0	137.8	177.6	253.4	392.8	592.5	804.0	958.0
107.5°	107.4	111.7	120.4	133.6	154.8	189.6	252.8	365.0	533.2	725.3	899.9
110°	121.6	125.3	133.4	145.9	166.5	199.7	255.7	354.5	499.6	675.7	844.5



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	134.6	138.3	146.4	158.9	178.9	209.7	261.6	348.6	477.2	632.7	789.7
115°	154.0	158.4	165.8	178.3	198.2	226.2	271.2	346.4	453.2	580.7	717.0
117.5°	173.1	176.8	183.6	197.7	216.0	243.7	283.9	347.7	439.0	549.3	664.4
120°	184.9	188.6	196.0	210.0	228.5	255.0	293.3	350.1	432.5	532.8	636.7
122.5°	196.1	199.8	207.8	221.2	240.8	266.7	302.1	354.1	428.5	519.2	614.9
125°	211.5	215.9	224.0	238.0	257.9	283.7	316.1	360.3	423.0	501.8	585.8
127.5°	224.4	229.9	238.2	253.6	273.5	298.4	327.6	367.4	420.4	486.5	560.5
130°	232.1	238.7	247.6	263.1	283.0	307.3	335.3	372.1	418.6	478.2	544.6
132.5°	238.7	245.8	256.5	271.9	291.2	314.9	342.3	375.7	417.9	470.6	529.8
135°	249.1	257.2	268.2	283.7	303.6	326.4	351.5	381.0	417.1	460.5	509.9
137.5°	258.9	266.9	278.7	294.0	312.5	334.4	358.3	384.6	415.5	451.9	491.8
140°	266.0	273.4	285.2	299.9	318.3	339.7	361.8	386.9	414.9	446.6	481.2
142.5°	272.5	280.5	291.1	305.9	323.0	343.8	365.3	388.6	413.7	441.9	471.2
145°	283.0	289.6	300.7	313.2	330.2	349.3	369.2	389.8	411.9	435.5	459.1
147.5°	293.6	300.1	309.6	321.7	336.2	353.7	371.6	389.8	409.2	429.3	449.2
150°	300.7	306.5	316.1	326.4	339.7	356.7	372.1	389.8	406.8	425.2	442.1
152.5°	307.7	313.6	322.1	331.1	343.8	358.4	373.3	388.0	403.8	420.5	435.6
155°	319.1	323.5	330.8	338.9	349.3	361.8	373.6	386.2	398.7	413.4	425.9
157.5°	328.8	332.3	338.8	345.7	353.7	363.7	374.4	383.6	394.1	405.5	415.6
160°	335.3	338.3	344.1	349.3	356.7	365.5	374.4	382.5	390.6	400.1	409.7
162.5°	340.6	343.0	347.7	352.2	358.4	366.1	373.7	380.1	387.0	394.8	402.7
165°	347.8	349.3	353.0	355.9	361.1	366.9	372.1	376.5	381.7	387.6	393.5
167.5°	353.7	354.5	357.2	359.3	362.6	366.8	371.0	373.1	376.5	380.7	385.5
170°	356.7	357.4	359.6	361.1	362.6	366.3	369.2	370.7	372.9	376.5	380.2
172.5°	359.6	359.8	361.4	362.2	363.2	366.3	368.6	368.9	369.9	372.4	375.5
175°	362.6	361.8	363.3	363.3	364.0	365.5	366.9	366.3	366.3	367.7	369.2
177.5°	364.0	363.4	364.0	364.0	364.0	364.6	365.8	364.6	364.0	364.6	365.2
180°	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0	364.0



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7	1152.7
2.5°	1215.9	1215.9	1217.5	1223.4	1224.2	1229.4	1227.8
5°	1336.3	1345.7	1349.2	1364.0	1372.8	1376.8	1368.9
7.5°	1483.6	1510.0	1522.6	1538.0	1551.8	1555.9	1545.1
10°	1590.9	1618.5	1641.8	1656.0	1669.4	1678.3	1689.6
12.5°	1694.8	1728.7	1750.8	1770.9	1784.7	1795.9	1797.8
15°	1807.6	1858.9	1897.9	1926.5	1940.8	1948.2	1945.2
17.5°	1921.4	1969.0	1996.7	2025.9	2045.7	2046.7	2047.3
20°	1985.7	2032.1	2064.2	2085.8	2108.1	2107.1	2112.0
22.5°	2028.7	2065.3	2089.8	2105.6	2113.3	2109.5	2110.4
25°	2048.9	2059.7	2055.3	2030.1	2023.7	2000.5	2004.5
27.5°	1945.0	1893.8	1840.6	1772.4	1718.4	1675.5	1677.6
30°	1804.1	1713.4	1609.7	1522.9	1444.9	1423.1	1376.8
32.5°	1607.1	1470.9	1349.5	1268.6	1201.6	1183.6	1143.1
35°	1273.2	1140.9	1016.1	941.0	911.4	870.0	869.5
37.5°	989.6	873.2	807.1	750.8	721.3	696.3	693.8
40°	832.5	741.7	691.8	651.4	622.3	603.5	599.1
42.5°	722.7	649.3	602.7	577.6	555.2	545.4	538.3
45°	590.2	540.8	508.3	485.6	475.2	467.8	463.8
47.5°	493.7	460.6	438.4	423.3	414.9	407.1	409.2
50°	441.2	414.1	397.8	383.4	377.0	371.6	372.1
52.5°	398.9	374.6	361.4	351.1	343.1	339.2	337.3
55°	338.6	323.2	309.9	302.5	298.0	292.7	291.2
57.5°	288.8	276.9	266.1	257.7	256.6	251.4	252.0
60°	255.6	245.7	236.9	232.4	228.9	224.5	226.0
62.5°	228.4	220.1	212.0	208.3	204.9	201.6	202.4
65°	187.0	179.1	174.2	172.2	170.7	169.3	167.8
67.5°	149.0	144.2	141.1	136.9	133.8	133.4	131.9
70°	125.4	118.9	113.5	108.1	106.6	106.1	106.6
72.5°	100.5	96.4	94.9	92.3	92.0	90.7	91.6
75°	75.5	74.0	73.0	71.1	71.1	71.1	71.1
77.5°	55.7	54.8	54.2	53.8	53.3	52.6	52.5
80°	43.5	42.9	41.9	41.9	41.5	41.9	41.5
82.5°	32.8	32.7	31.7	31.7	31.2	30.9	31.2
85°	16.8	16.3	17.2	16.3	16.8	15.8	16.8
87.5°	8.6	8.7	8.6	8.5	8.2	9.1	8.2
90°	19.1	19.9	21.4	20.6	21.4	22.1	21.4
92.5°	49.2	43.5	39.7	38.4	36.1	36.9	35.5
95°	179.8	140.7	114.2	100.2	93.6	88.4	85.5
97.5°	529.7	434.6	346.5	292.1	258.9	239.0	232.7
100°	809.1	722.9	618.2	543.8	490.0	461.3	462.0
102.5°	935.9	885.6	819.3	761.4	718.8	694.7	677.8
105°	1031.6	1045.7	1026.5	992.6	964.6	941.0	937.4
107.5°	1019.5	1084.1	1110.3	1111.0	1101.5	1093.5	1086.8
110°	980.1	1072.9	1124.5	1145.1	1151.0	1149.5	1148.1



TEST NUMBER: P332314-830

CATALOG NUMBER: S123RDIP-S775D805U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	928.2	1032.3	1098.5	1136.3	1154.6	1160.2	1160.5
115°	845.2	953.6	1033.9	1089.1	1121.5	1136.3	1140.0
117.5°	775.1	872.3	953.9	1011.4	1048.6	1069.8	1074.9
120°	736.1	824.6	899.0	957.2	998.5	1016.2	1020.6
122.5°	704.9	786.8	856.0	907.7	944.8	964.3	969.9
125°	666.2	736.9	795.9	843.0	875.4	893.8	899.0
127.5°	632.1	696.0	749.6	791.5	819.3	835.9	840.7
130°	610.9	670.6	720.7	759.8	786.3	801.7	807.7
132.5°	590.9	646.4	694.2	730.8	757.4	771.1	775.2
135°	562.2	610.1	652.1	688.2	710.4	723.6	728.8
137.5°	534.7	576.0	612.4	642.7	665.2	676.4	679.8
140°	518.8	554.1	585.8	613.9	634.4	646.3	645.5
142.5°	503.4	534.1	561.7	585.5	603.8	614.4	613.7
145°	483.4	507.0	528.4	546.8	562.2	568.2	569.6
147.5°	468.5	487.6	502.8	516.7	527.2	532.8	533.4
150°	459.1	474.6	488.5	499.6	507.7	512.2	512.2
152.5°	450.3	463.9	475.6	484.3	491.8	494.5	494.5
155°	437.7	448.7	457.6	464.2	470.1	471.6	472.3
157.5°	425.5	434.0	440.9	446.7	451.1	452.3	452.1
160°	417.8	425.2	430.4	435.5	439.9	439.9	439.2
162.5°	409.5	416.3	420.9	424.3	428.1	428.1	427.4
165°	397.9	403.1	406.8	409.7	412.6	411.9	411.9
167.5°	388.9	391.9	394.5	395.9	397.9	397.2	397.2
170°	382.5	385.4	386.9	387.6	389.1	388.3	388.3
172.5°	377.1	379.5	380.4	380.5	382.0	380.7	380.1
175°	369.9	371.4	371.4	371.4	372.1	371.4	370.7
177.5°	365.8	366.4	366.4	365.8	366.4	365.2	365.2
180°	364.0	364.0	364.0	364.0	364.0	364.0	364.0

(END OF REPORT)