

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: P333225-830

Luminaire Tested: **S125DIP-S850D810U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333225-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D810U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5997.0 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

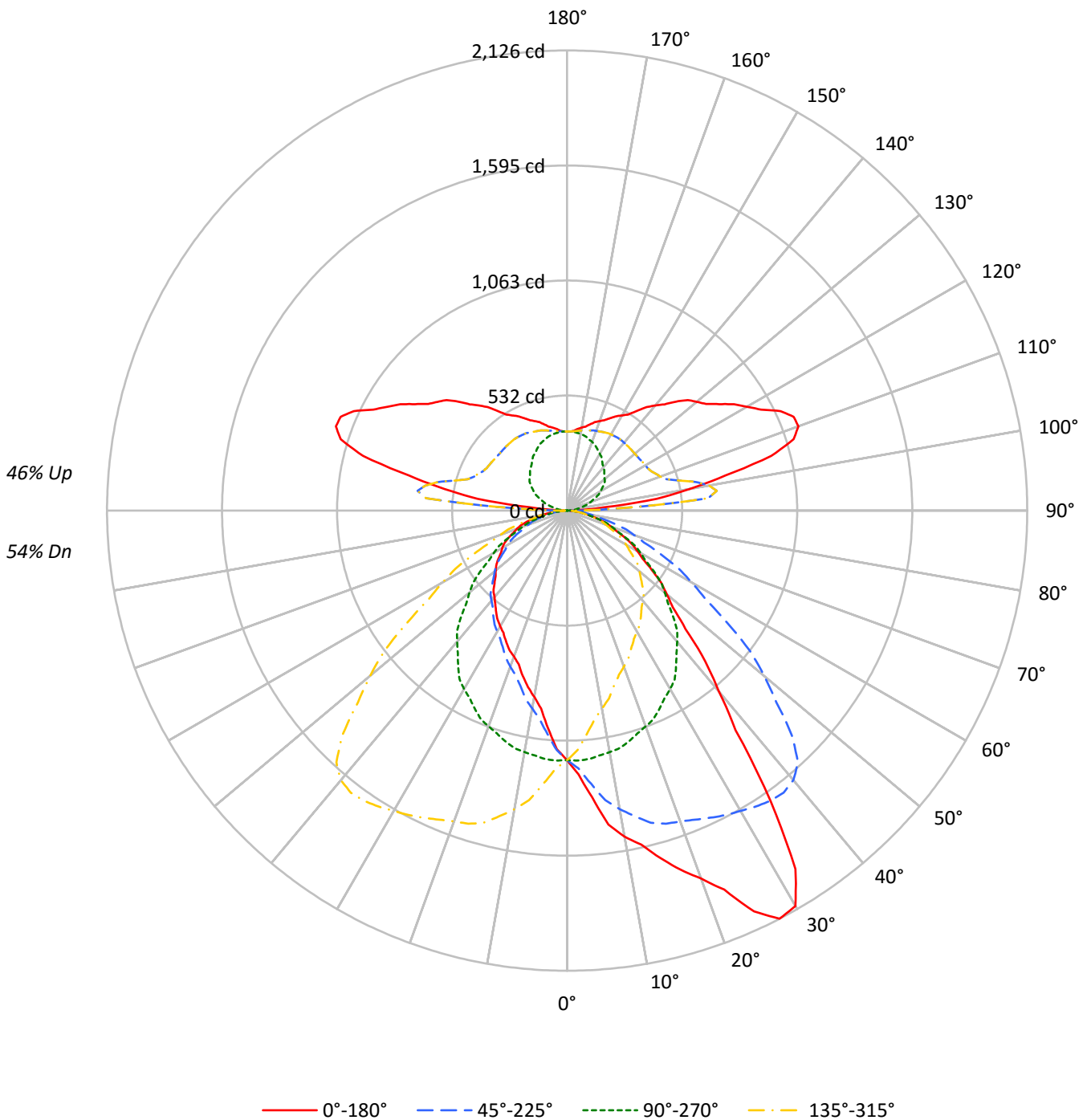
Input Watts (W): 45.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	53	52	51	46
2	90	83	77	72	84	77	72	67	66	63	59	57	54	51	47	45	43	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	43	42	39	37	33
4	76	65	57	51	70	61	54	48	52	47	43	45	41	37	38	35	32	29
5	69	58	50	44	64	54	47	41	47	41	37	40	36	32	34	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	36	32	29	31	27	25	22
7	59	47	39	33	55	44	37	32	38	33	28	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	29	25	30	26	23	26	22	20	17
9	51	39	31	26	47	37	30	25	32	27	23	28	23	20	24	20	18	16
10	48	36	28	24	44	34	27	23	30	24	20	26	21	18	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7447	7447	7447	7447
5°	8624	7472	6543	7472
10°	10033	7433	5732	7433
15°	11106	7379	5288	7379
20°	12432	7292	4931	7292
25°	14564	7195	4757	7195
30°	15731	7099	4606	7099
35°	12934	6918	4507	6918
40°	9193	6668	4398	6668
45°	7063	6330	4337	6330
50°	6028	5910	4326	5910
55°	5368	5499	4365	5499
60°	4841	5052	4476	5052
65°	4473	4600	4592	4600
70°	4067	4132	4658	4132
75°	3591	3638	4616	3638
80°	3020	2964	4225	2964
85°	2393	2134	3409	2134



TEST NUMBER: P333225-830

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	1.9
10°-20°	330.5	5.5
20°-30°	536.7	8.9
30°-40°	654.6	10.9
40°-50°	595.5	9.9
50°-60°	474.4	7.9
60°-70°	330.4	5.5
70°-80°	176.2	2.9
80°-90°	46.5	0.8
90°-100°	264.9	4.4
100°-110°	569.6	9.5
110°-120°	534.5	8.9
120°-130°	433.2	7.2
130°-140°	347.7	5.8
140°-150°	262.4	4.4
150°-160°	184.7	3.1
160°-170°	108.8	1.8
170°-180°	35.4	0.6
0°-30°	978.2	16.3
0°-40°	1632.8	27.2
0°-60°	2702.7	45.1
0°-90°	3255.8	54.3
90°-120°	1369.1	22.8
90°-150°	2412.3	40.2
90°-180°	2741.0	45.7
0°-180°	5997.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1153	1153	1153	1153	1153	
5°	1330	1152	1009	1152	1330	134
15°	1661	1104	791	1104	1661	476
25°	2044	1010	668	1010	2044	934
35°	1640	878	572	878	1640	1004
45°	773	693	475	693	773	619
55°	477	488	388	488	477	429
65°	293	301	300	301	293	290
75°	144	146	185	146	144	155
85°	32	29	46	29	32	38
90°	17	1	17	1	17	13
95°	173	24	173	24	173	245
105°	976	83	976	83	976	971
115°	1088	149	1088	149	1088	1063
125°	857	206	857	206	857	775
135°	712	242	712	242	712	552
145°	562	282	562	282	562	357
155°	471	321	471	321	471	219
165°	413	351	413	351	413	118
175°	371	365	371	365	371	36
180°	366	366	366	366	366	



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1219.7	1218.0	1216.5	1213.3	1215.7	1209.1	1205.9	1200.4	1193.8	1191.5	1188.7
5°	1330.2	1332.7	1335.1	1324.8	1325.9	1319.0	1303.3	1290.6	1280.3	1267.2	1257.8
7.5°	1463.4	1457.5	1457.1	1450.5	1439.0	1429.8	1413.3	1392.4	1372.2	1349.1	1329.9
10°	1529.9	1530.4	1526.0	1518.2	1506.0	1497.1	1475.6	1455.0	1430.1	1400.7	1379.7
12.5°	1580.1	1582.1	1576.5	1565.9	1560.0	1540.2	1523.3	1498.9	1469.2	1445.8	1413.7
15°	1661.1	1655.7	1651.8	1638.6	1628.3	1607.8	1580.8	1555.4	1523.1	1493.2	1463.4
17.5°	1739.2	1743.5	1736.2	1724.1	1692.2	1668.2	1632.1	1597.2	1557.1	1517.0	1481.4
20°	1808.9	1812.8	1801.6	1780.6	1742.4	1718.3	1670.8	1625.9	1579.3	1528.0	1488.8
22.5°	1895.8	1892.7	1877.5	1845.5	1812.4	1768.1	1716.7	1661.9	1603.6	1545.6	1493.6
25°	2043.8	2023.3	2013.9	1974.3	1930.8	1865.7	1795.2	1715.0	1642.5	1565.7	1499.1
27.5°	2125.8	2119.4	2109.0	2081.4	2035.6	1966.0	1882.9	1785.1	1682.9	1585.9	1498.8
30°	2109.4	2110.4	2111.4	2102.5	2073.2	2020.8	1938.2	1832.9	1711.5	1602.3	1501.6
32.5°	1963.8	1981.6	1998.6	2018.7	2026.9	2016.9	1965.1	1870.1	1745.2	1621.2	1500.0
35°	1640.5	1646.0	1701.2	1756.1	1830.4	1888.2	1926.8	1884.8	1779.5	1637.1	1498.1
37.5°	1279.1	1305.6	1343.9	1405.8	1513.2	1609.3	1733.0	1789.8	1755.9	1642.3	1494.7
40°	1090.4	1114.9	1139.8	1203.0	1293.5	1410.0	1550.5	1670.4	1698.3	1625.9	1482.9
42.5°	944.8	964.1	991.8	1039.3	1115.0	1218.1	1352.4	1509.1	1605.5	1578.1	1458.3
45°	773.3	785.5	807.1	844.7	899.6	980.3	1098.7	1270.1	1419.3	1468.8	1399.8
47.5°	661.9	661.8	678.5	704.6	744.1	812.8	900.3	1034.5	1194.0	1311.9	1306.5
50°	600.0	597.6	610.8	633.3	664.6	710.1	793.8	901.0	1054.2	1187.8	1225.0
52.5°	546.8	547.1	555.2	571.8	598.0	637.0	699.5	796.1	927.0	1064.1	1134.2
55°	476.7	474.8	484.0	495.3	514.3	539.8	584.8	658.7	765.0	900.0	991.1
57.5°	412.5	417.8	421.6	429.4	445.3	462.3	500.3	554.5	638.8	754.7	850.9
60°	374.8	380.3	383.2	391.1	403.8	418.5	447.8	491.9	562.8	662.7	758.1
62.5°	341.2	345.4	346.4	353.5	363.8	378.1	401.2	438.2	494.3	581.6	675.1
65°	292.7	292.7	294.6	302.0	306.9	319.6	337.2	364.1	409.2	477.2	556.9
67.5°	245.9	248.3	247.7	251.0	255.5	265.3	278.0	300.2	333.6	383.2	447.0
70°	215.4	217.3	216.8	219.2	224.1	230.5	240.8	261.8	285.8	328.4	383.2
72.5°	187.9	188.7	187.5	190.7	193.6	199.2	210.7	221.9	244.3	280.2	325.3
75°	143.9	144.9	145.8	147.8	150.7	153.6	159.6	170.8	185.5	212.4	241.3
77.5°	107.8	106.0	108.4	108.1	109.7	112.0	117.2	123.1	135.2	152.2	174.6
80°	81.2	81.7	81.7	82.2	84.6	86.1	90.6	94.9	104.2	117.0	132.6
82.5°	59.3	60.6	59.9	60.7	62.8	63.8	66.3	69.8	75.3	85.3	96.6
85°	32.3	29.9	30.8	31.9	31.9	32.3	34.2	35.7	38.6	42.6	46.9
87.5°	12.8	13.6	13.9	13.9	14.2	13.9	15.4	15.2	16.2	17.2	18.5
90°	17.0	17.0	16.2	16.2	16.2	14.7	14.0	13.3	12.5	11.8	10.3
92.5°	47.0	48.2	49.2	51.0	60.4	71.4	94.8	130.6	192.4	237.6	241.4
95°	173.1	185.0	190.9	213.0	265.3	327.3	417.8	529.9	638.9	653.0	532.8
97.5°	418.6	428.0	449.4	490.7	536.2	622.3	710.6	789.2	808.4	697.3	475.8
100°	574.9	586.6	613.9	666.9	717.8	794.5	870.3	906.4	849.7	665.5	424.5
102.5°	749.3	758.2	787.8	825.6	880.0	931.8	968.3	945.9	825.0	609.4	385.6
105°	976.5	985.3	1000.0	1024.4	1048.0	1056.1	1023.7	922.7	745.8	534.3	347.9
107.5°	1097.0	1103.0	1107.8	1108.0	1096.0	1057.5	974.3	839.5	665.1	482.6	332.0
110°	1137.2	1137.2	1132.0	1117.9	1084.8	1022.2	918.2	778.3	619.1	458.4	327.3



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1132.5	1127.1	1114.3	1090.2	1041.8	967.9	862.8	729.9	584.8	444.2	327.3
115°	1087.8	1078.2	1057.5	1022.2	964.7	884.4	783.4	669.2	547.5	429.0	329.4
117.5°	1009.5	1003.6	983.1	946.6	889.1	815.4	728.4	630.0	525.3	421.4	334.3
120°	958.8	952.9	933.0	897.6	843.1	778.3	697.2	608.7	512.9	417.8	339.0
122.5°	914.0	908.7	888.8	856.4	807.8	747.0	674.8	592.9	502.3	414.9	343.1
125°	857.1	849.7	833.5	803.3	762.0	709.0	644.9	569.7	487.9	411.2	350.1
127.5°	808.4	805.2	789.9	763.2	725.8	676.1	616.2	546.1	474.6	409.4	357.9
130°	781.9	777.5	762.8	738.5	701.6	653.7	596.3	531.3	465.8	408.3	362.6
132.5°	755.4	750.4	736.8	712.5	675.6	629.5	577.3	516.6	458.7	408.3	367.9
135°	711.9	707.5	694.2	669.9	637.4	595.5	548.3	497.5	450.3	408.3	375.1
137.5°	665.5	660.6	648.4	626.3	597.2	561.6	522.4	481.3	442.8	409.2	381.7
140°	633.0	629.3	618.3	599.2	571.8	540.9	507.0	472.4	439.2	409.7	384.7
142.5°	602.9	599.9	589.5	573.3	550.1	523.2	494.1	464.8	436.3	410.4	386.4
145°	561.6	558.6	550.5	538.0	520.3	500.4	477.6	454.7	431.9	409.7	388.4
147.5°	526.5	525.2	520.5	510.4	496.4	481.4	463.8	445.3	427.3	407.8	389.1
150°	507.0	506.3	503.3	494.6	483.4	470.1	456.2	440.0	423.8	406.0	389.1
152.5°	491.7	491.0	488.0	481.0	471.6	461.4	448.6	434.0	419.6	403.7	388.5
155°	470.9	470.1	468.0	462.8	455.4	447.3	437.1	425.3	412.7	399.4	386.9
157.5°	452.3	452.5	450.4	446.2	440.5	434.0	426.1	416.4	406.2	395.0	385.0
160°	440.0	440.7	439.2	435.5	430.4	425.3	417.8	410.5	401.0	392.1	383.2
162.5°	428.8	429.0	428.6	425.6	421.5	417.0	410.8	404.0	396.2	388.5	381.4
165°	412.7	412.7	412.7	411.2	408.3	404.6	400.2	395.0	389.1	383.2	378.8
167.5°	397.9	398.1	398.7	397.4	395.9	393.2	389.8	386.4	382.2	378.1	374.7
170°	389.1	389.8	389.8	389.1	387.7	386.2	384.0	381.7	378.1	375.1	372.9
172.5°	380.9	381.6	382.8	381.4	381.2	380.3	378.6	376.5	373.9	371.6	370.5
175°	370.7	371.5	372.9	372.2	372.2	372.2	370.7	370.7	368.4	367.8	367.8
177.5°	365.5	365.5	367.3	366.7	367.3	367.3	367.3	366.7	366.1	365.5	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1186.4	1183.6	1180.4	1175.0	1168.4	1164.8	1159.3	1155.8	1148.8	1142.9	1136.6
5°	1246.5	1233.8	1222.1	1206.9	1190.2	1179.5	1166.8	1152.5	1137.9	1122.8	1106.1
7.5°	1308.9	1286.4	1261.9	1235.6	1209.8	1186.2	1163.6	1141.3	1120.6	1095.5	1074.3
10°	1350.8	1322.4	1292.0	1256.3	1221.6	1191.3	1160.5	1133.5	1106.1	1076.8	1050.7
12.5°	1392.7	1354.9	1312.0	1272.8	1231.0	1194.4	1158.1	1123.7	1089.3	1056.8	1026.5
15°	1422.3	1388.9	1349.3	1293.5	1246.5	1196.2	1148.2	1103.6	1062.1	1025.9	987.7
17.5°	1441.7	1398.8	1356.3	1302.8	1241.1	1184.8	1130.5	1079.5	1032.6	986.7	949.9
20°	1445.3	1401.2	1356.7	1304.3	1241.1	1176.6	1122.3	1061.0	1010.7	963.2	918.1
22.5°	1444.1	1394.2	1345.7	1291.8	1230.2	1170.7	1105.0	1042.6	988.0	941.2	894.3
25°	1433.0	1379.7	1319.0	1264.7	1204.0	1140.9	1074.3	1009.7	953.9	900.5	854.0
27.5°	1423.8	1354.6	1285.9	1222.6	1163.9	1106.1	1042.4	976.2	914.4	860.3	816.4
30°	1412.5	1336.6	1259.2	1193.2	1133.0	1076.8	1016.5	952.0	887.3	834.4	787.5
32.5°	1402.3	1313.9	1232.3	1160.4	1096.6	1041.9	986.4	924.9	861.5	807.9	760.8
35°	1382.6	1280.3	1186.8	1105.6	1037.6	981.3	934.8	877.5	819.3	767.4	722.4
37.5°	1357.6	1236.2	1136.0	1050.7	976.2	916.9	873.6	829.6	773.7	723.8	683.1
40°	1338.0	1204.9	1098.7	1011.6	934.3	872.6	832.5	790.9	744.4	698.0	654.9
42.5°	1313.4	1176.8	1061.2	967.4	890.8	830.8	788.6	753.3	712.3	668.9	629.0
45°	1268.1	1125.7	1000.4	899.6	822.2	763.0	719.4	693.1	662.2	621.0	587.3
47.5°	1201.5	1064.3	934.7	830.7	750.8	696.0	655.2	629.8	608.0	577.5	546.9
50°	1142.3	1018.5	887.3	784.0	704.3	648.9	611.3	588.2	569.7	546.2	520.3
52.5°	1076.1	960.9	840.7	738.7	659.7	605.1	568.3	548.0	532.5	515.7	490.1
55°	971.0	873.2	761.6	664.6	591.7	538.4	506.1	488.4	475.7	463.0	447.3
57.5°	855.2	778.6	679.8	591.3	524.1	475.5	445.4	428.2	418.4	411.8	402.6
60°	773.7	708.2	623.0	542.2	476.7	433.7	404.3	391.1	382.8	377.3	370.5
62.5°	698.2	644.4	565.4	491.7	434.4	393.7	367.5	354.7	346.7	344.0	338.4
65°	586.8	545.3	480.1	419.0	370.0	335.3	313.2	301.0	296.1	293.1	293.7
67.5°	477.1	451.8	399.4	347.3	308.2	279.1	261.5	252.0	249.6	245.7	245.6
70°	410.1	391.1	347.0	301.5	266.7	244.2	228.6	218.8	216.3	214.3	213.9
72.5°	351.0	334.3	296.1	259.6	228.4	208.6	195.7	189.8	185.8	184.6	184.5
75°	263.8	254.5	224.1	195.3	173.7	160.0	151.3	145.8	142.9	142.4	142.9
77.5°	187.6	179.5	160.1	139.7	126.1	115.7	108.3	106.4	103.1	103.2	102.6
80°	140.9	135.5	123.4	107.2	96.0	87.1	83.2	79.7	78.8	77.3	78.8
82.5°	102.2	96.4	88.1	77.9	68.5	63.2	59.3	58.2	57.7	56.9	57.3
85°	50.4	50.9	46.0	38.2	34.2	31.3	28.8	28.8	28.4	27.9	28.4
87.5°	19.1	18.1	16.3	14.9	12.6	11.1	10.5	10.7	9.7	9.6	10.3
90°	9.6	8.1	7.4	5.9	4.4	2.9	1.5	0.8	1.5	2.9	4.4
92.5°	168.1	100.7	60.4	38.9	26.2	17.1	10.9	9.0	10.9	17.1	26.2
95°	329.4	167.3	88.4	55.2	39.0	30.9	25.1	24.3	25.1	30.9	39.0
97.5°	263.0	144.1	92.0	68.1	53.5	45.4	41.3	40.3	41.3	45.4	53.5
100°	238.7	143.0	100.2	78.1	64.1	56.0	53.1	51.6	53.1	56.0	64.1
102.5°	228.8	148.3	110.3	88.7	75.9	67.2	64.8	64.0	64.8	67.2	75.9
105°	224.8	159.2	126.8	106.1	94.3	87.0	83.3	83.3	83.3	87.0	94.3
107.5°	231.6	175.4	144.0	125.5	113.2	107.2	103.6	102.2	103.6	107.2	113.2
110°	238.1	187.2	156.9	137.8	126.8	120.1	117.2	115.7	117.2	120.1	126.8



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	246.3	198.4	169.4	150.8	139.7	133.1	130.7	129.2	130.7	133.1	139.7
115°	258.6	215.9	188.7	170.2	159.2	152.6	150.3	148.8	150.3	152.6	159.2
117.5°	272.9	233.9	208.1	190.3	177.8	171.2	168.8	166.5	168.8	171.2	177.8
120°	282.3	246.9	221.1	202.6	190.1	183.5	180.6	178.3	180.6	183.5	190.1
122.5°	292.8	259.3	233.5	215.1	201.3	194.7	192.4	190.8	192.4	194.7	201.3
125°	307.3	275.6	251.3	232.1	218.1	211.5	207.8	206.3	207.8	211.5	218.1
127.5°	320.6	291.4	268.0	248.8	233.9	225.6	220.8	218.6	220.8	225.6	233.9
130°	329.4	301.4	278.6	259.4	243.9	234.3	228.5	226.2	228.5	234.3	243.9
132.5°	337.1	310.9	288.0	268.8	252.8	242.0	235.0	232.1	235.0	242.0	252.8
135°	347.9	323.6	300.7	280.8	265.3	253.5	244.7	241.8	244.7	253.5	265.3
137.5°	355.8	332.5	311.7	291.2	276.1	264.3	256.0	253.8	256.0	264.3	276.1
140°	361.1	339.0	317.6	297.7	283.7	271.9	263.1	260.9	263.1	271.9	283.7
142.5°	364.1	343.1	322.9	304.3	290.8	279.0	270.8	269.1	270.8	279.0	290.8
145°	368.4	350.1	330.9	314.0	300.7	290.4	283.0	281.5	283.0	290.4	300.7
147.5°	371.2	354.5	337.7	322.8	311.3	301.7	295.4	294.5	295.4	301.7	311.3
150°	372.9	357.4	341.2	328.7	318.4	308.8	303.6	302.2	303.6	308.8	318.4
152.5°	374.1	360.3	345.3	334.0	324.2	315.8	311.3	310.4	311.3	315.8	324.2
155°	375.1	363.4	350.8	340.4	333.1	325.7	321.3	321.3	321.3	325.7	333.1
157.5°	375.9	365.8	355.1	347.2	340.7	334.4	330.9	331.0	330.9	334.4	340.7
160°	375.9	367.0	357.4	350.8	344.9	339.8	336.8	337.5	336.8	339.8	344.9
162.5°	375.2	368.2	359.8	354.3	349.6	345.1	342.1	342.8	342.1	345.1	349.6
165°	374.4	368.4	362.6	358.2	355.2	351.6	349.3	350.8	349.3	351.6	355.2
167.5°	372.6	368.4	363.6	360.8	358.7	356.7	355.3	356.1	355.3	356.7	358.7
170°	371.5	368.4	364.8	362.6	361.1	359.7	358.9	359.7	358.9	359.7	361.1
172.5°	370.2	367.9	364.8	363.7	362.9	361.4	360.7	362.0	360.7	361.4	362.9
175°	368.4	367.0	364.8	364.8	364.8	364.1	363.4	364.8	363.4	364.1	364.8
177.5°	366.7	366.1	365.0	365.0	365.5	365.0	365.0	366.1	365.0	365.0	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1133.1	1128.8	1125.3	1117.5	1113.1	1107.3	1102.6	1107.7	1102.2	1104.6	1101.0
5°	1097.8	1084.1	1074.3	1060.1	1047.8	1036.6	1028.3	1026.8	1022.8	1021.0	1015.0
7.5°	1055.3	1038.1	1021.3	1002.8	987.0	971.1	960.9	952.5	947.0	939.6	934.6
10°	1030.2	1007.2	987.7	965.2	945.6	928.4	914.7	907.9	901.5	892.2	888.8
12.5°	999.3	975.5	951.6	927.6	908.8	889.7	877.9	867.5	863.2	852.6	851.6
15°	962.2	926.5	903.0	878.5	852.5	836.9	827.1	815.9	811.0	803.6	798.2
17.5°	917.9	886.1	856.7	831.3	809.1	795.9	783.7	776.0	767.6	762.8	754.0
20°	885.9	855.5	826.1	799.2	782.1	766.9	757.1	749.8	741.0	738.6	729.7
22.5°	858.8	825.4	797.2	774.6	755.8	738.8	728.1	723.2	717.1	709.5	707.8
25°	814.9	780.1	756.2	733.7	717.0	701.3	694.0	687.7	681.7	676.4	674.4
27.5°	776.9	745.8	717.4	697.0	682.6	668.3	661.8	654.0	649.8	645.5	640.2
30°	750.3	718.5	693.5	673.9	658.3	645.5	638.7	633.3	629.4	625.5	622.5
32.5°	722.8	693.4	669.2	650.1	634.4	624.8	618.7	614.9	610.6	605.9	602.2
35°	686.6	654.3	630.8	614.3	602.0	594.7	587.8	584.4	579.5	579.5	575.5
37.5°	645.8	617.9	597.2	582.0	571.1	564.5	557.0	554.7	551.6	549.5	548.2
40°	621.6	595.6	576.1	560.9	549.1	543.8	537.9	534.0	532.0	529.5	528.6
42.5°	596.5	571.7	553.0	538.9	528.8	524.1	518.7	515.9	512.0	508.8	508.2
45°	558.5	534.4	517.4	506.1	497.3	491.9	488.4	482.6	480.6	476.7	476.2
47.5°	522.3	499.3	482.5	473.3	465.5	461.1	455.7	449.9	447.6	445.6	445.4
50°	495.3	474.3	458.5	449.8	442.4	436.1	430.6	426.8	425.3	425.3	426.3
52.5°	467.9	450.0	436.7	425.9	419.0	412.2	407.2	404.8	402.6	404.9	406.7
55°	427.7	409.6	399.8	389.6	382.8	374.8	372.5	371.5	370.0	373.9	375.9
57.5°	385.3	372.6	361.1	350.9	344.8	340.3	337.0	336.3	339.0	340.9	347.3
60°	358.3	343.6	333.3	325.5	318.1	315.2	314.2	313.2	315.2	320.6	328.9
62.5°	328.5	316.6	305.5	299.6	294.3	289.4	289.2	289.7	293.7	299.8	308.1
65°	284.8	274.6	267.2	260.3	256.0	253.1	254.0	256.0	260.3	268.7	278.0
67.5°	240.5	233.5	226.9	221.3	217.1	217.1	218.1	221.0	226.2	235.8	244.3
70°	211.9	204.1	198.7	196.2	192.8	190.9	193.8	198.7	203.1	211.9	219.2
72.5°	183.3	176.7	172.5	170.8	169.4	167.8	168.7	174.0	180.0	188.8	197.4
75°	140.9	138.5	135.5	133.7	132.1	133.1	134.1	139.0	143.9	153.2	163.0
77.5°	102.8	100.3	98.6	98.1	97.3	97.7	100.6	104.2	109.0	115.7	123.1
80°	77.9	76.8	75.9	75.4	75.4	75.9	79.7	82.2	86.6	93.0	98.9
82.5°	56.6	56.1	55.9	55.8	56.2	56.3	58.6	61.8	65.5	70.3	75.4
85°	29.9	28.8	30.3	30.8	29.9	31.3	32.3	34.2	35.7	38.2	40.6
87.5°	10.9	12.1	11.8	12.4	12.6	13.7	13.5	15.2	16.1	17.1	17.0
90°	5.9	7.4	8.1	9.6	10.3	11.8	12.5	13.3	14.0	14.7	16.2
92.5°	38.9	60.4	100.7	168.1	241.4	237.6	192.4	130.6	94.8	71.4	60.4
95°	55.2	88.4	167.3	329.4	532.8	653.0	638.9	529.9	417.8	327.3	265.3
97.5°	68.1	92.0	144.1	263.0	475.8	697.3	808.4	789.2	710.6	622.3	536.2
100°	78.1	100.2	143.0	238.7	424.5	665.5	849.7	906.4	870.3	794.5	717.8
102.5°	88.7	110.3	148.3	228.8	385.6	609.4	825.0	945.9	968.3	931.8	880.0
105°	106.1	126.8	159.2	224.8	347.9	534.3	745.8	922.7	1023.7	1056.1	1048.0
107.5°	125.5	144.0	175.4	231.6	332.0	482.6	665.1	839.5	974.3	1057.5	1096.0
110°	137.8	156.9	187.2	238.1	327.3	458.4	619.1	778.3	918.2	1022.2	1084.8



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	150.8	169.4	198.4	246.3	327.3	444.2	584.8	729.9	862.8	967.9	1041.8
115°	170.2	188.7	215.9	258.6	329.4	429.0	547.5	669.2	783.4	884.4	964.7
117.5°	190.3	208.1	233.9	272.9	334.3	421.4	525.3	630.0	728.4	815.4	889.1
120°	202.6	221.1	246.9	282.3	339.0	417.8	512.9	608.7	697.2	778.3	843.1
122.5°	215.1	233.5	259.3	292.8	343.1	414.9	502.3	592.9	674.8	747.0	807.8
125°	232.1	251.3	275.6	307.3	350.1	411.2	487.9	569.7	644.9	709.0	762.0
127.5°	248.8	268.0	291.4	320.6	357.9	409.4	474.6	546.1	616.2	676.1	725.8
130°	259.4	278.6	301.4	329.4	362.6	408.3	465.8	531.3	596.3	653.7	701.6
132.5°	268.8	288.0	310.9	337.1	367.9	408.3	458.7	516.6	577.3	629.5	675.6
135°	280.8	300.7	323.6	347.9	375.1	408.3	450.3	497.5	548.3	595.5	637.4
137.5°	291.2	311.7	332.5	355.8	381.7	409.2	442.8	481.3	522.4	561.6	597.2
140°	297.7	317.6	339.0	361.1	384.7	409.7	439.2	472.4	507.0	540.9	571.8
142.5°	304.3	322.9	343.1	364.1	386.4	410.4	436.3	464.8	494.1	523.2	550.1
145°	314.0	330.9	350.1	368.4	388.4	409.7	431.9	454.7	477.6	500.4	520.3
147.5°	322.8	337.7	354.5	371.2	389.1	407.8	427.3	445.3	463.8	481.4	496.4
150°	328.7	341.2	357.4	372.9	389.1	406.0	423.8	440.0	456.2	470.1	483.4
152.5°	334.0	345.3	360.3	374.1	388.5	403.7	419.6	434.0	448.6	461.4	471.6
155°	340.4	350.8	363.4	375.1	386.9	399.4	412.7	425.3	437.1	447.3	455.4
157.5°	347.2	355.1	365.8	375.9	385.0	395.0	406.2	416.4	426.1	434.0	440.5
160°	350.8	357.4	367.0	375.9	383.2	392.1	401.0	410.5	417.8	425.3	430.4
162.5°	354.3	359.8	368.2	375.2	381.4	388.5	396.2	404.0	410.8	417.0	421.5
165°	358.2	362.6	368.4	374.4	378.8	383.2	389.1	395.0	400.2	404.6	408.3
167.5°	360.8	363.6	368.4	372.6	374.7	378.1	382.2	386.4	389.8	393.2	395.9
170°	362.6	364.8	368.4	371.5	372.9	375.1	378.1	381.7	384.0	386.2	387.7
172.5°	363.7	364.8	367.9	370.2	370.5	371.6	373.9	376.5	378.6	380.3	381.2
175°	364.8	364.8	367.0	368.4	367.8	367.8	368.4	370.7	370.7	372.2	372.2
177.5°	365.0	365.0	366.1	366.7	365.5	365.5	366.1	366.7	367.3	367.3	367.3
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1098.6	1101.4	1099.0	1102.2	1099.0	1101.4	1098.6	1101.0	1104.6	1102.2	1107.7
5°	1012.6	1008.2	1011.2	1009.2	1011.2	1008.2	1012.6	1015.0	1021.0	1022.8	1026.8
7.5°	933.1	928.9	924.2	921.9	924.2	928.9	933.1	934.6	939.6	947.0	952.5
10°	883.4	878.0	877.5	874.1	877.5	878.0	883.4	888.8	892.2	901.5	907.9
12.5°	847.0	842.0	836.4	835.0	836.4	842.0	847.0	851.6	852.6	863.2	867.5
15°	795.3	791.4	788.0	790.9	788.0	791.4	795.3	798.2	803.6	811.0	815.9
17.5°	752.3	749.1	748.5	744.9	748.5	749.1	752.3	754.0	762.8	767.6	776.0
20°	725.3	722.8	723.9	717.5	723.9	722.8	725.3	729.7	738.6	741.0	749.8
22.5°	703.8	699.0	698.4	697.1	698.4	699.0	703.8	707.8	709.5	717.1	723.2
25°	670.1	667.6	665.2	667.6	665.2	667.6	670.1	674.4	676.4	681.7	687.7
27.5°	640.6	637.6	637.0	637.3	637.0	637.6	640.6	640.2	645.5	649.8	654.0
30°	622.5	617.6	618.1	617.6	618.1	617.6	622.5	622.5	625.5	629.4	633.3
32.5°	602.9	599.6	599.0	598.0	599.0	599.6	602.9	602.2	605.9	610.6	614.9
35°	574.1	574.1	571.7	571.7	571.7	574.1	574.1	575.5	579.5	579.5	584.4
37.5°	547.0	546.5	545.0	545.3	545.0	546.5	547.0	548.2	549.5	551.6	554.7
40°	526.6	526.1	524.6	521.7	524.6	526.1	526.6	528.6	529.5	532.0	534.0
42.5°	507.0	505.4	504.7	503.7	504.7	505.4	507.0	508.2	508.8	512.0	515.9
45°	476.2	476.2	475.2	474.8	475.2	476.2	476.2	476.2	476.7	480.6	482.6
47.5°	446.3	447.1	449.0	448.7	449.0	447.1	446.3	445.4	445.6	447.6	449.9
50°	428.2	428.8	430.2	430.6	430.2	428.8	428.2	426.3	425.3	425.3	426.8
52.5°	408.3	411.1	412.9	412.6	412.9	411.1	408.3	406.7	404.9	402.6	404.8
55°	380.3	383.7	387.1	387.7	387.1	383.7	380.3	375.9	373.9	370.0	371.5
57.5°	352.6	357.4	361.0	362.1	361.0	357.4	352.6	347.3	340.9	339.0	336.3
60°	333.8	340.2	344.6	346.5	344.6	340.2	333.8	328.9	320.6	315.2	313.2
62.5°	315.8	322.9	327.3	327.7	327.3	322.9	315.8	308.1	299.8	293.7	289.7
65°	286.3	293.7	297.6	300.5	297.6	293.7	286.3	278.0	268.7	260.3	256.0
67.5°	254.6	261.9	266.3	268.6	266.3	261.9	254.6	244.3	235.8	226.2	221.0
70°	231.5	238.8	244.7	246.7	244.7	238.8	231.5	219.2	211.9	203.1	198.7
72.5°	208.8	215.4	220.1	222.3	220.1	215.4	208.8	197.4	188.8	180.0	174.0
75°	169.4	178.1	182.6	185.0	182.6	178.1	169.4	163.0	153.2	143.9	139.0
77.5°	130.5	138.6	141.3	142.5	141.3	138.6	130.5	123.1	115.7	109.0	104.2
80°	104.7	109.6	113.0	113.6	113.0	109.6	104.7	98.9	93.0	86.6	82.2
82.5°	80.5	84.5	85.7	86.9	85.7	84.5	80.5	75.4	70.3	65.5	61.8
85°	44.0	46.0	46.5	46.0	46.5	46.0	44.0	40.6	38.2	35.7	34.2
87.5°	17.7	17.3	17.5	18.3	17.5	17.3	17.7	17.0	17.1	16.1	15.2
90°	16.2	16.2	17.0	17.0	17.0	16.2	16.2	16.2	14.7	14.0	13.3
92.5°	51.0	49.2	48.2	47.0	48.2	49.2	51.0	60.4	71.4	94.8	130.6
95°	213.0	190.9	185.0	173.1	185.0	190.9	213.0	265.3	327.3	417.8	529.9
97.5°	490.7	449.4	428.0	418.6	428.0	449.4	490.7	536.2	622.3	710.6	789.2
100°	666.9	613.9	586.6	574.9	586.6	613.9	666.9	717.8	794.5	870.3	906.4
102.5°	825.6	787.8	758.2	749.3	758.2	787.8	825.6	880.0	931.8	968.3	945.9
105°	1024.4	1000.0	985.3	976.5	985.3	1000.0	1024.4	1048.0	1056.1	1023.7	922.7
107.5°	1108.0	1107.8	1103.0	1097.0	1103.0	1107.8	1108.0	1096.0	1057.5	974.3	839.5
110°	1117.9	1132.0	1137.2	1137.2	1137.2	1132.0	1117.9	1084.8	1022.2	918.2	778.3



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1090.2	1114.3	1127.1	1132.5	1127.1	1114.3	1090.2	1041.8	967.9	862.8	729.9
115°	1022.2	1057.5	1078.2	1087.8	1078.2	1057.5	1022.2	964.7	884.4	783.4	669.2
117.5°	946.6	983.1	1003.6	1009.5	1003.6	983.1	946.6	889.1	815.4	728.4	630.0
120°	897.6	933.0	952.9	958.8	952.9	933.0	897.6	843.1	778.3	697.2	608.7
122.5°	856.4	888.8	908.7	914.0	908.7	888.8	856.4	807.8	747.0	674.8	592.9
125°	803.3	833.5	849.7	857.1	849.7	833.5	803.3	762.0	709.0	644.9	569.7
127.5°	763.2	789.9	805.2	808.4	805.2	789.9	763.2	725.8	676.1	616.2	546.1
130°	738.5	762.8	777.5	781.9	777.5	762.8	738.5	701.6	653.7	596.3	531.3
132.5°	712.5	736.8	750.4	755.4	750.4	736.8	712.5	675.6	629.5	577.3	516.6
135°	669.9	694.2	707.5	711.9	707.5	694.2	669.9	637.4	595.5	548.3	497.5
137.5°	626.3	648.4	660.6	665.5	660.6	648.4	626.3	597.2	561.6	522.4	481.3
140°	599.2	618.3	629.3	633.0	629.3	618.3	599.2	571.8	540.9	507.0	472.4
142.5°	573.3	589.5	599.9	602.9	599.9	589.5	573.3	550.1	523.2	494.1	464.8
145°	538.0	550.5	558.6	561.6	558.6	550.5	538.0	520.3	500.4	477.6	454.7
147.5°	510.4	520.5	525.2	526.5	525.2	520.5	510.4	496.4	481.4	463.8	445.3
150°	494.6	503.3	506.3	507.0	506.3	503.3	494.6	483.4	470.1	456.2	440.0
152.5°	481.0	488.0	491.0	491.7	491.0	488.0	481.0	471.6	461.4	448.6	434.0
155°	462.8	468.0	470.1	470.9	470.1	468.0	462.8	455.4	447.3	437.1	425.3
157.5°	446.2	450.4	452.5	452.3	452.5	450.4	446.2	440.5	434.0	426.1	416.4
160°	435.5	439.2	440.7	440.0	440.7	439.2	435.5	430.4	425.3	417.8	410.5
162.5°	425.6	428.6	429.0	428.8	429.0	428.6	425.6	421.5	417.0	410.8	404.0
165°	411.2	412.7	412.7	412.7	412.7	412.7	411.2	408.3	404.6	400.2	395.0
167.5°	397.4	398.7	398.1	397.9	398.1	398.7	397.4	395.9	393.2	389.8	386.4
170°	389.1	389.8	389.8	389.1	389.8	389.8	389.1	387.7	386.2	384.0	381.7
172.5°	381.4	382.8	381.6	380.9	381.6	382.8	381.4	381.2	380.3	378.6	376.5
175°	372.2	372.9	371.5	370.7	371.5	372.9	372.2	372.2	372.2	370.7	370.7
177.5°	366.7	367.3	365.5	365.5	365.5	367.3	366.7	367.3	367.3	367.3	366.7
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1102.6	1107.3	1113.1	1117.5	1125.3	1128.8	1133.1	1136.6	1142.9	1148.8	1155.8
5°	1028.3	1036.6	1047.8	1060.1	1074.3	1084.1	1097.8	1106.1	1122.8	1137.9	1152.5
7.5°	960.9	971.1	987.0	1002.8	1021.3	1038.1	1055.3	1074.3	1095.5	1120.6	1141.3
10°	914.7	928.4	945.6	965.2	987.7	1007.2	1030.2	1050.7	1076.8	1106.1	1133.5
12.5°	877.9	889.7	908.8	927.6	951.6	975.5	999.3	1026.5	1056.8	1089.3	1123.7
15°	827.1	836.9	852.5	878.5	903.0	926.5	962.2	987.7	1025.9	1062.1	1103.6
17.5°	783.7	795.9	809.1	831.3	856.7	886.1	917.9	949.9	986.7	1032.6	1079.5
20°	757.1	766.9	782.1	799.2	826.1	855.5	885.9	918.1	963.2	1010.7	1061.0
22.5°	728.1	738.8	755.8	774.6	797.2	825.4	858.8	894.3	941.2	988.0	1042.6
25°	694.0	701.3	717.0	733.7	756.2	780.1	814.9	854.0	900.5	953.9	1009.7
27.5°	661.8	668.3	682.6	697.0	717.4	745.8	776.9	816.4	860.3	914.4	976.2
30°	638.7	645.5	658.3	673.9	693.5	718.5	750.3	787.5	834.4	887.3	952.0
32.5°	618.7	624.8	634.4	650.1	669.2	693.4	722.8	760.8	807.9	861.5	924.9
35°	587.8	594.7	602.0	614.3	630.8	654.3	686.6	722.4	767.4	819.3	877.5
37.5°	557.0	564.5	571.1	582.0	597.2	617.9	645.8	683.1	723.8	773.7	829.6
40°	537.9	543.8	549.1	560.9	576.1	595.6	621.6	654.9	698.0	744.4	790.9
42.5°	518.7	524.1	528.8	538.9	553.0	571.7	596.5	629.0	668.9	712.3	753.3
45°	488.4	491.9	497.3	506.1	517.4	534.4	558.5	587.3	621.0	662.2	693.1
47.5°	455.7	461.1	465.5	473.3	482.5	499.3	522.3	546.9	577.5	608.0	629.8
50°	430.6	436.1	442.4	449.8	458.5	474.3	495.3	520.3	546.2	569.7	588.2
52.5°	407.2	412.2	419.0	425.9	436.7	450.0	467.9	490.1	515.7	532.5	548.0
55°	372.5	374.8	382.8	389.6	399.8	409.6	427.7	447.3	463.0	475.7	488.4
57.5°	337.0	340.3	344.8	350.9	361.1	372.6	385.3	402.6	411.8	418.4	428.2
60°	314.2	315.2	318.1	325.5	333.3	343.6	358.3	370.5	377.3	382.8	391.1
62.5°	289.2	289.4	294.3	299.6	305.5	316.6	328.5	338.4	344.0	346.7	354.7
65°	254.0	253.1	256.0	260.3	267.2	274.6	284.8	293.7	293.1	296.1	301.0
67.5°	218.1	217.1	217.1	221.3	226.9	233.5	240.5	245.6	245.7	249.6	252.0
70°	193.8	190.9	192.8	196.2	198.7	204.1	211.9	213.9	214.3	216.3	218.8
72.5°	168.7	167.8	169.4	170.8	172.5	176.7	183.3	184.5	184.6	185.8	189.8
75°	134.1	133.1	132.1	133.7	135.5	138.5	140.9	142.9	142.4	142.9	145.8
77.5°	100.6	97.7	97.3	98.1	98.6	100.3	102.8	102.6	103.2	103.1	106.4
80°	79.7	75.9	75.4	75.4	75.9	76.8	77.9	78.8	77.3	78.8	79.7
82.5°	58.6	56.3	56.2	55.8	55.9	56.1	56.6	57.3	56.9	57.7	58.2
85°	32.3	31.3	29.9	30.8	30.3	28.8	29.9	28.4	27.9	28.4	28.8
87.5°	13.5	13.7	12.6	12.4	11.8	12.1	10.9	10.3	9.6	9.7	10.7
90°	12.5	11.8	10.3	9.6	8.1	7.4	5.9	4.4	2.9	1.5	0.8
92.5°	192.4	237.6	241.4	168.1	100.7	60.4	38.9	26.2	17.1	10.9	9.0
95°	638.9	653.0	532.8	329.4	167.3	88.4	55.2	39.0	30.9	25.1	24.3
97.5°	808.4	697.3	475.8	263.0	144.1	92.0	68.1	53.5	45.4	41.3	40.3
100°	849.7	665.5	424.5	238.7	143.0	100.2	78.1	64.1	56.0	53.1	51.6
102.5°	825.0	609.4	385.6	228.8	148.3	110.3	88.7	75.9	67.2	64.8	64.0
105°	745.8	534.3	347.9	224.8	159.2	126.8	106.1	94.3	87.0	83.3	83.3
107.5°	665.1	482.6	332.0	231.6	175.4	144.0	125.5	113.2	107.2	103.6	102.2
110°	619.1	458.4	327.3	238.1	187.2	156.9	137.8	126.8	120.1	117.2	115.7



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	584.8	444.2	327.3	246.3	198.4	169.4	150.8	139.7	133.1	130.7	129.2
115°	547.5	429.0	329.4	258.6	215.9	188.7	170.2	159.2	152.6	150.3	148.8
117.5°	525.3	421.4	334.3	272.9	233.9	208.1	190.3	177.8	171.2	168.8	166.5
120°	512.9	417.8	339.0	282.3	246.9	221.1	202.6	190.1	183.5	180.6	178.3
122.5°	502.3	414.9	343.1	292.8	259.3	233.5	215.1	201.3	194.7	192.4	190.8
125°	487.9	411.2	350.1	307.3	275.6	251.3	232.1	218.1	211.5	207.8	206.3
127.5°	474.6	409.4	357.9	320.6	291.4	268.0	248.8	233.9	225.6	220.8	218.6
130°	465.8	408.3	362.6	329.4	301.4	278.6	259.4	243.9	234.3	228.5	226.2
132.5°	458.7	408.3	367.9	337.1	310.9	288.0	268.8	252.8	242.0	235.0	232.1
135°	450.3	408.3	375.1	347.9	323.6	300.7	280.8	265.3	253.5	244.7	241.8
137.5°	442.8	409.2	381.7	355.8	332.5	311.7	291.2	276.1	264.3	256.0	253.8
140°	439.2	409.7	384.7	361.1	339.0	317.6	297.7	283.7	271.9	263.1	260.9
142.5°	436.3	410.4	386.4	364.1	343.1	322.9	304.3	290.8	279.0	270.8	269.1
145°	431.9	409.7	388.4	368.4	350.1	330.9	314.0	300.7	290.4	283.0	281.5
147.5°	427.3	407.8	389.1	371.2	354.5	337.7	322.8	311.3	301.7	295.4	294.5
150°	423.8	406.0	389.1	372.9	357.4	341.2	328.7	318.4	308.8	303.6	302.2
152.5°	419.6	403.7	388.5	374.1	360.3	345.3	334.0	324.2	315.8	311.3	310.4
155°	412.7	399.4	386.9	375.1	363.4	350.8	340.4	333.1	325.7	321.3	321.3
157.5°	406.2	395.0	385.0	375.9	365.8	355.1	347.2	340.7	334.4	330.9	331.0
160°	401.0	392.1	383.2	375.9	367.0	357.4	350.8	344.9	339.8	336.8	337.5
162.5°	396.2	388.5	381.4	375.2	368.2	359.8	354.3	349.6	345.1	342.1	342.8
165°	389.1	383.2	378.8	374.4	368.4	362.6	358.2	355.2	351.6	349.3	350.8
167.5°	382.2	378.1	374.7	372.6	368.4	363.6	360.8	358.7	356.7	355.3	356.1
170°	378.1	375.1	372.9	371.5	368.4	364.8	362.6	361.1	359.7	358.9	359.7
172.5°	373.9	371.6	370.5	370.2	367.9	364.8	363.7	362.9	361.4	360.7	362.0
175°	368.4	367.8	367.8	368.4	367.0	364.8	364.8	364.8	364.1	363.4	364.8
177.5°	366.1	365.5	365.5	366.7	366.1	365.0	365.0	365.5	365.0	365.0	366.1
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1159.3	1164.8	1168.4	1175.0	1180.4	1183.6	1186.4	1188.7	1191.5	1193.8	1200.4
5°	1166.8	1179.5	1190.2	1206.9	1222.1	1233.8	1246.5	1257.8	1267.2	1280.3	1290.6
7.5°	1163.6	1186.2	1209.8	1235.6	1261.9	1286.4	1308.9	1329.9	1349.1	1372.2	1392.4
10°	1160.5	1191.3	1221.6	1256.3	1292.0	1322.4	1350.8	1379.7	1400.7	1430.1	1455.0
12.5°	1158.1	1194.4	1231.0	1272.8	1312.0	1354.9	1392.7	1413.7	1445.8	1469.2	1498.9
15°	1148.2	1196.2	1246.5	1293.5	1349.3	1388.9	1422.3	1463.4	1493.2	1523.1	1555.4
17.5°	1130.5	1184.8	1241.1	1302.8	1356.3	1398.8	1441.7	1481.4	1517.0	1557.1	1597.2
20°	1122.3	1176.6	1241.1	1304.3	1356.7	1401.2	1445.3	1488.8	1528.0	1579.3	1625.9
22.5°	1105.0	1170.7	1230.2	1291.8	1345.7	1394.2	1444.1	1493.6	1545.6	1603.6	1661.9
25°	1074.3	1140.9	1204.0	1264.7	1319.0	1379.7	1433.0	1499.1	1565.7	1642.5	1715.0
27.5°	1042.4	1106.1	1163.9	1222.6	1285.9	1354.6	1423.8	1498.8	1585.9	1682.9	1785.1
30°	1016.5	1076.8	1133.0	1193.2	1259.2	1336.6	1412.5	1501.6	1602.3	1711.5	1832.9
32.5°	986.4	1041.9	1096.6	1160.4	1232.3	1313.9	1402.3	1500.0	1621.2	1745.2	1870.1
35°	934.8	981.3	1037.6	1105.6	1186.8	1280.3	1382.6	1498.1	1637.1	1779.5	1884.8
37.5°	873.6	916.9	976.2	1050.7	1136.0	1236.2	1357.6	1494.7	1642.3	1755.9	1789.8
40°	832.5	872.6	934.3	1011.6	1098.7	1204.9	1338.0	1482.9	1625.9	1698.3	1670.4
42.5°	788.6	830.8	890.8	967.4	1061.2	1176.8	1313.4	1458.3	1578.1	1605.5	1509.1
45°	719.4	763.0	822.2	899.6	1000.4	1125.7	1268.1	1399.8	1468.8	1419.3	1270.1
47.5°	655.2	696.0	750.8	830.7	934.7	1064.3	1201.5	1306.5	1311.9	1194.0	1034.5
50°	611.3	648.9	704.3	784.0	887.3	1018.5	1142.3	1225.0	1187.8	1054.2	901.0
52.5°	568.3	605.1	659.7	738.7	840.7	960.9	1076.1	1134.2	1064.1	927.0	796.1
55°	506.1	538.4	591.7	664.6	761.6	873.2	971.0	991.1	900.0	765.0	658.7
57.5°	445.4	475.5	524.1	591.3	679.8	778.6	855.2	850.9	754.7	638.8	554.5
60°	404.3	433.7	476.7	542.2	623.0	708.2	773.7	758.1	662.7	562.8	491.9
62.5°	367.5	393.7	434.4	491.7	565.4	644.4	698.2	675.1	581.6	494.3	438.2
65°	313.2	335.3	370.0	419.0	480.1	545.3	586.8	556.9	477.2	409.2	364.1
67.5°	261.5	279.1	308.2	347.3	399.4	451.8	477.1	447.0	383.2	333.6	300.2
70°	228.6	244.2	266.7	301.5	347.0	391.1	410.1	383.2	328.4	285.8	261.8
72.5°	195.7	208.6	228.4	259.6	296.1	334.3	351.0	325.3	280.2	244.3	221.9
75°	151.3	160.0	173.7	195.3	224.1	254.5	263.8	241.3	212.4	185.5	170.8
77.5°	108.3	115.7	126.1	139.7	160.1	179.5	187.6	174.6	152.2	135.2	123.1
80°	83.2	87.1	96.0	107.2	123.4	135.5	140.9	132.6	117.0	104.2	94.9
82.5°	59.3	63.2	68.5	77.9	88.1	96.4	102.2	96.6	85.3	75.3	69.8
85°	28.8	31.3	34.2	38.2	46.0	50.9	50.4	46.9	42.6	38.6	35.7
87.5°	10.5	11.1	12.6	14.9	16.3	18.1	19.1	18.5	17.2	16.2	15.2
90°	1.5	2.9	4.4	5.9	7.4	8.1	9.6	10.3	11.8	12.5	13.3
92.5°	10.9	17.1	26.2	38.9	60.4	100.7	168.1	241.4	237.6	192.4	130.6
95°	25.1	30.9	39.0	55.2	88.4	167.3	329.4	532.8	653.0	638.9	529.9
97.5°	41.3	45.4	53.5	68.1	92.0	144.1	263.0	475.8	697.3	808.4	789.2
100°	53.1	56.0	64.1	78.1	100.2	143.0	238.7	424.5	665.5	849.7	906.4
102.5°	64.8	67.2	75.9	88.7	110.3	148.3	228.8	385.6	609.4	825.0	945.9
105°	83.3	87.0	94.3	106.1	126.8	159.2	224.8	347.9	534.3	745.8	922.7
107.5°	103.6	107.2	113.2	125.5	144.0	175.4	231.6	332.0	482.6	665.1	839.5
110°	117.2	120.1	126.8	137.8	156.9	187.2	238.1	327.3	458.4	619.1	778.3



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	130.7	133.1	139.7	150.8	169.4	198.4	246.3	327.3	444.2	584.8	729.9
115°	150.3	152.6	159.2	170.2	188.7	215.9	258.6	329.4	429.0	547.5	669.2
117.5°	168.8	171.2	177.8	190.3	208.1	233.9	272.9	334.3	421.4	525.3	630.0
120°	180.6	183.5	190.1	202.6	221.1	246.9	282.3	339.0	417.8	512.9	608.7
122.5°	192.4	194.7	201.3	215.1	233.5	259.3	292.8	343.1	414.9	502.3	592.9
125°	207.8	211.5	218.1	232.1	251.3	275.6	307.3	350.1	411.2	487.9	569.7
127.5°	220.8	225.6	233.9	248.8	268.0	291.4	320.6	357.9	409.4	474.6	546.1
130°	228.5	234.3	243.9	259.4	278.6	301.4	329.4	362.6	408.3	465.8	531.3
132.5°	235.0	242.0	252.8	268.8	288.0	310.9	337.1	367.9	408.3	458.7	516.6
135°	244.7	253.5	265.3	280.8	300.7	323.6	347.9	375.1	408.3	450.3	497.5
137.5°	256.0	264.3	276.1	291.2	311.7	332.5	355.8	381.7	409.2	442.8	481.3
140°	263.1	271.9	283.7	297.7	317.6	339.0	361.1	384.7	409.7	439.2	472.4
142.5°	270.8	279.0	290.8	304.3	322.9	343.1	364.1	386.4	410.4	436.3	464.8
145°	283.0	290.4	300.7	314.0	330.9	350.1	368.4	388.4	409.7	431.9	454.7
147.5°	295.4	301.7	311.3	322.8	337.7	354.5	371.2	389.1	407.8	427.3	445.3
150°	303.6	308.8	318.4	328.7	341.2	357.4	372.9	389.1	406.0	423.8	440.0
152.5°	311.3	315.8	324.2	334.0	345.3	360.3	374.1	388.5	403.7	419.6	434.0
155°	321.3	325.7	333.1	340.4	350.8	363.4	375.1	386.9	399.4	412.7	425.3
157.5°	330.9	334.4	340.7	347.2	355.1	365.8	375.9	385.0	395.0	406.2	416.4
160°	336.8	339.8	344.9	350.8	357.4	367.0	375.9	383.2	392.1	401.0	410.5
162.5°	342.1	345.1	349.6	354.3	359.8	368.2	375.2	381.4	388.5	396.2	404.0
165°	349.3	351.6	355.2	358.2	362.6	368.4	374.4	378.8	383.2	389.1	395.0
167.5°	355.3	356.7	358.7	360.8	363.6	368.4	372.6	374.7	378.1	382.2	386.4
170°	358.9	359.7	361.1	362.6	364.8	368.4	371.5	372.9	375.1	378.1	381.7
172.5°	360.7	361.4	362.9	363.7	364.8	367.9	370.2	370.5	371.6	373.9	376.5
175°	363.4	364.1	364.8	364.8	364.8	367.0	368.4	367.8	367.8	368.4	370.7
177.5°	365.0	365.0	365.5	365.0	365.0	366.1	366.7	365.5	365.5	366.1	366.7
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1205.9	1209.1	1215.7	1213.3	1216.5	1218.0	1219.7
5°	1303.3	1319.0	1325.9	1324.8	1335.1	1332.7	1330.2
7.5°	1413.3	1429.8	1439.0	1450.5	1457.1	1457.5	1463.4
10°	1475.6	1497.1	1506.0	1518.2	1526.0	1530.4	1529.9
12.5°	1523.3	1540.2	1560.0	1565.9	1576.5	1582.1	1580.1
15°	1580.8	1607.8	1628.3	1638.6	1651.8	1655.7	1661.1
17.5°	1632.1	1668.2	1692.2	1724.1	1736.2	1743.5	1739.2
20°	1670.8	1718.3	1742.4	1780.6	1801.6	1812.8	1808.9
22.5°	1716.7	1768.1	1812.4	1845.5	1877.5	1892.7	1895.8
25°	1795.2	1865.7	1930.8	1974.3	2013.9	2023.3	2043.8
27.5°	1882.9	1966.0	2035.6	2081.4	2109.0	2119.4	2125.8
30°	1938.2	2020.8	2073.2	2102.5	2111.4	2110.4	2109.4
32.5°	1965.1	2016.9	2026.9	2018.7	1998.6	1981.6	1963.8
35°	1926.8	1888.2	1830.4	1756.1	1701.2	1646.0	1640.5
37.5°	1733.0	1609.3	1513.2	1405.8	1343.9	1305.6	1279.1
40°	1550.5	1410.0	1293.5	1203.0	1139.8	1114.9	1090.4
42.5°	1352.4	1218.1	1115.0	1039.3	991.8	964.1	944.8
45°	1098.7	980.3	899.6	844.7	807.1	785.5	773.3
47.5°	900.3	812.8	744.1	704.6	678.5	661.8	661.9
50°	793.8	710.1	664.6	633.3	610.8	597.6	600.0
52.5°	699.5	637.0	598.0	571.8	555.2	547.1	546.8
55°	584.8	539.8	514.3	495.3	484.0	474.8	476.7
57.5°	500.3	462.3	445.3	429.4	421.6	417.8	412.5
60°	447.8	418.5	403.8	391.1	383.2	380.3	374.8
62.5°	401.2	378.1	363.8	353.5	346.4	345.4	341.2
65°	337.2	319.6	306.9	302.0	294.6	292.7	292.7
67.5°	278.0	265.3	255.5	251.0	247.7	248.3	245.9
70°	240.8	230.5	224.1	219.2	216.8	217.3	215.4
72.5°	210.7	199.2	193.6	190.7	187.5	188.7	187.9
75°	159.6	153.6	150.7	147.8	145.8	144.9	143.9
77.5°	117.2	112.0	109.7	108.1	108.4	106.0	107.8
80°	90.6	86.1	84.6	82.2	81.7	81.7	81.2
82.5°	66.3	63.8	62.8	60.7	59.9	60.6	59.3
85°	34.2	32.3	31.9	31.9	30.8	29.9	32.3
87.5°	15.4	13.9	14.2	13.9	13.9	13.6	12.8
90°	14.0	14.7	16.2	16.2	16.2	17.0	17.0
92.5°	94.8	71.4	60.4	51.0	49.2	48.2	47.0
95°	417.8	327.3	265.3	213.0	190.9	185.0	173.1
97.5°	710.6	622.3	536.2	490.7	449.4	428.0	418.6
100°	870.3	794.5	717.8	666.9	613.9	586.6	574.9
102.5°	968.3	931.8	880.0	825.6	787.8	758.2	749.3
105°	1023.7	1056.1	1048.0	1024.4	1000.0	985.3	976.5
107.5°	974.3	1057.5	1096.0	1108.0	1107.8	1103.0	1097.0
110°	918.2	1022.2	1084.8	1117.9	1132.0	1137.2	1137.2



TEST NUMBER: P333225-830

CATALOG NUMBER: S125DIP-S850D810U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	862.8	967.9	1041.8	1090.2	1114.3	1127.1	1132.5
115°	783.4	884.4	964.7	1022.2	1057.5	1078.2	1087.8
117.5°	728.4	815.4	889.1	946.6	983.1	1003.6	1009.5
120°	697.2	778.3	843.1	897.6	933.0	952.9	958.8
122.5°	674.8	747.0	807.8	856.4	888.8	908.7	914.0
125°	644.9	709.0	762.0	803.3	833.5	849.7	857.1
127.5°	616.2	676.1	725.8	763.2	789.9	805.2	808.4
130°	596.3	653.7	701.6	738.5	762.8	777.5	781.9
132.5°	577.3	629.5	675.6	712.5	736.8	750.4	755.4
135°	548.3	595.5	637.4	669.9	694.2	707.5	711.9
137.5°	522.4	561.6	597.2	626.3	648.4	660.6	665.5
140°	507.0	540.9	571.8	599.2	618.3	629.3	633.0
142.5°	494.1	523.2	550.1	573.3	589.5	599.9	602.9
145°	477.6	500.4	520.3	538.0	550.5	558.6	561.6
147.5°	463.8	481.4	496.4	510.4	520.5	525.2	526.5
150°	456.2	470.1	483.4	494.6	503.3	506.3	507.0
152.5°	448.6	461.4	471.6	481.0	488.0	491.0	491.7
155°	437.1	447.3	455.4	462.8	468.0	470.1	470.9
157.5°	426.1	434.0	440.5	446.2	450.4	452.5	452.3
160°	417.8	425.3	430.4	435.5	439.2	440.7	440.0
162.5°	410.8	417.0	421.5	425.6	428.6	429.0	428.8
165°	400.2	404.6	408.3	411.2	412.7	412.7	412.7
167.5°	389.8	393.2	395.9	397.4	398.7	398.1	397.9
170°	384.0	386.2	387.7	389.1	389.8	389.8	389.1
172.5°	378.6	380.3	381.2	381.4	382.8	381.6	380.9
175°	370.7	372.2	372.2	372.2	372.9	371.5	370.7
177.5°	367.3	367.3	367.3	366.7	367.3	365.5	365.5
180°	365.5	365.5	365.5	365.5	365.5	365.5	365.5

(END OF REPORT)