

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: P333709-940

Luminaire Tested: **S125RDIW-S1090D1050U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333709-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

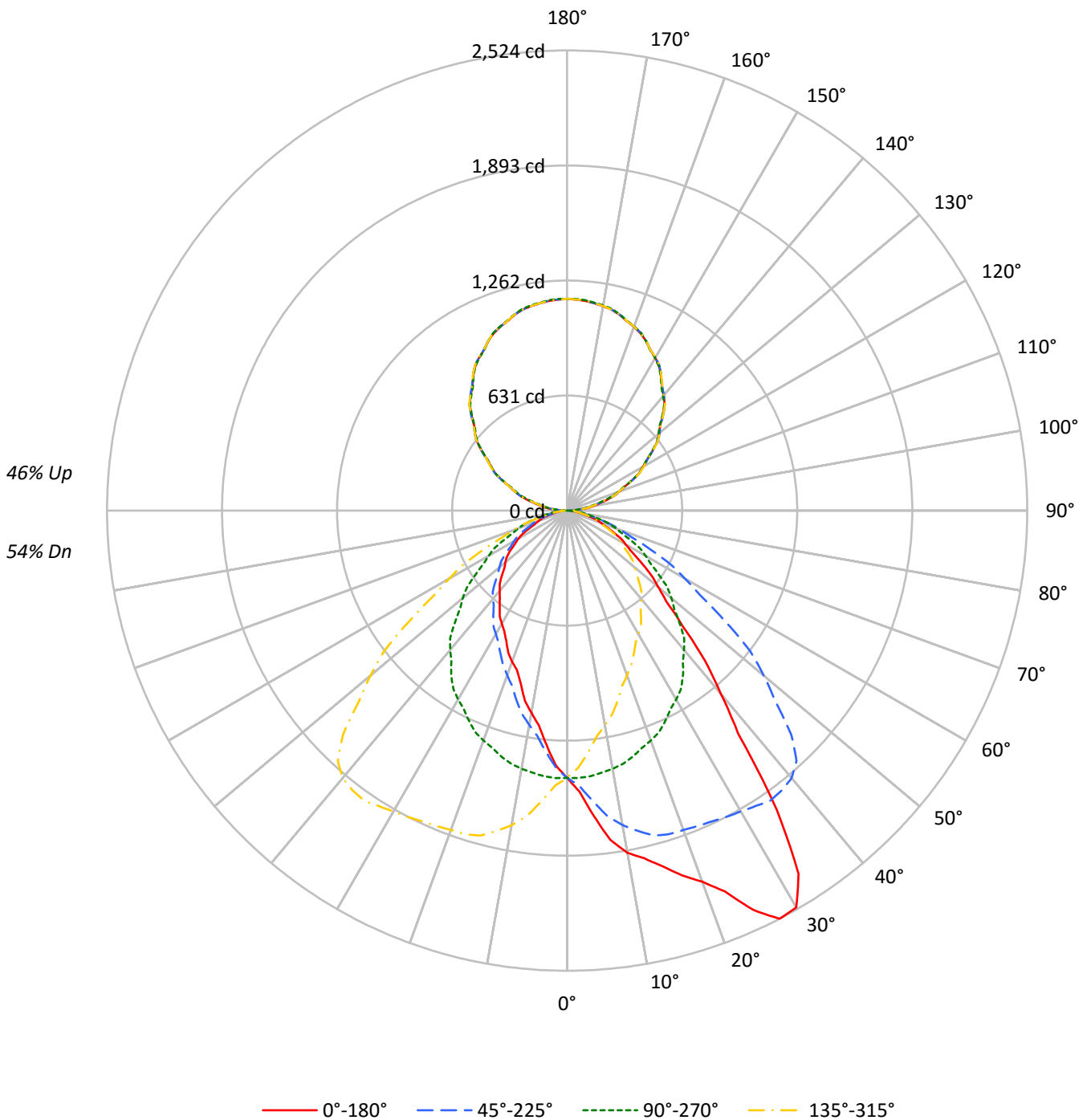
Lumens per Lamp: N/A  
Luminaire Lumens: 7040.8 lumens  
Efficiency: N/A  
Efficacy: 115.0 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 61.2  
Input Voltage (V): 120  
Input Current (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: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

### Luminous Intensity Polar Plot





TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**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	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46
2	91	83	77	72	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	48	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	26	23
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

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

	0°	90°	180°	270°
0°	9469	9469	9469	9469
5°	10893	9481	8373	9481
10°	12496	9433	7389	9433
15°	13497	9336	6567	9336
20°	14882	9224	6064	9224
25°	17224	9075	5627	9075
30°	18744	8918	5341	8918
35°	15811	8736	5077	8736
40°	11042	8408	4850	8408
45°	8191	7965	4629	7965
50°	6531	7504	4439	7504
55°	5543	6933	4270	6933
60°	4790	6421	3995	6421
65°	4268	5868	3440	5868
70°	3750	5374	3136	5374
75°	3244	4654	2944	4654
80°	2462	3916	2462	3916
85°	2045	3083	2319	3083



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.6	2.0
10°-20°	412.0	5.9
20°-30°	653.3	9.3
30°-40°	787.8	11.2
40°-50°	703.5	10.0
50°-60°	539.5	7.7
60°-70°	350.6	5.0
70°-80°	170.5	2.4
80°-90°	43.2	0.6
90°-100°	77.8	1.1
100°-110°	229.6	3.3
110°-120°	388.9	5.5
120°-130°	511.9	7.3
130°-140°	573.6	8.1
140°-150°	562.1	8.0
150°-160°	472.2	6.7
160°-170°	313.9	4.5
170°-180°	109.8	1.6
0°-30°	1205.9	17.1
0°-40°	1993.7	28.3
0°-60°	3236.7	46.0
0°-90°	3801.0	54.0
90°-120°	696.4	9.9
90°-150°	2344.0	33.3
90°-180°	3240.0	46.0
0°-180°	7040.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1466	1466	1466	1466	1466	
5°	1680	1462	1292	1462	1680	168
15°	2019	1396	982	1396	2019	578
25°	2417	1274	790	1274	2417	1110
35°	2005	1108	644	1108	2005	1211
45°	897	872	507	872	897	716
55°	492	616	379	616	492	447
65°	279	384	225	384	279	278
75°	130	186	118	186	130	138
85°	28	42	31	42	28	32
90°	22	1	22	1	22	14
95°	78	59	78	59	78	79
105°	224	206	224	206	224	237
115°	393	389	393	389	393	389
125°	572	568	572	568	572	511
135°	742	739	742	739	742	572
145°	899	895	899	895	899	561
155°	1025	1025	1025	1025	1025	471
165°	1111	1114	1111	1114	1111	313
175°	1154	1158	1154	1158	1154	110
180°	1161	1161	1161	1161	1161	



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1542.2	1541.2	1543.2	1537.8	1538.4	1530.2	1530.2	1523.9	1515.7	1509.5	1506.5
5°	1680.3	1681.6	1679.2	1670.2	1664.1	1655.1	1644.8	1626.8	1611.8	1597.3	1585.9
7.5°	1822.7	1823.5	1815.5	1812.8	1797.6	1786.5	1763.8	1739.2	1717.4	1689.8	1668.6
10°	1905.5	1904.9	1896.4	1889.8	1876.6	1859.8	1837.5	1808.6	1781.5	1751.4	1722.5
12.5°	1953.6	1952.0	1949.4	1941.3	1929.0	1914.1	1895.2	1866.8	1833.4	1800.5	1766.8
15°	2018.7	2014.4	2006.6	1996.4	1978.9	1961.4	1940.4	1915.1	1883.2	1845.8	1814.6
17.5°	2099.0	2099.2	2087.1	2072.9	2049.2	2018.4	1985.8	1945.1	1901.8	1860.7	1827.4
20°	2165.4	2163.6	2151.6	2124.0	2096.9	2058.3	2021.1	1971.0	1918.1	1864.6	1823.0
22.5°	2260.8	2256.1	2243.5	2207.3	2165.3	2115.7	2058.6	1997.5	1933.5	1872.7	1818.2
25°	2417.1	2413.4	2388.7	2346.6	2287.7	2211.2	2136.5	2052.9	1960.9	1880.8	1814.6
27.5°	2523.9	2520.0	2501.7	2466.7	2412.3	2331.8	2230.8	2119.0	2004.0	1893.9	1798.5
30°	2513.4	2522.4	2520.0	2503.7	2462.8	2390.6	2297.3	2171.5	2034.9	1905.5	1791.7
32.5°	2362.1	2370.3	2391.4	2423.3	2425.7	2396.8	2327.1	2211.0	2069.6	1922.4	1786.5
35°	2005.4	2016.2	2057.2	2121.6	2205.8	2276.2	2290.6	2228.0	2101.0	1942.8	1778.5
37.5°	1541.7	1600.9	1635.4	1703.2	1830.5	1960.0	2084.6	2130.5	2076.3	1934.4	1765.6
40°	1309.7	1324.1	1385.5	1461.9	1569.1	1703.9	1881.4	2009.6	2013.8	1915.1	1745.3
42.5°	1120.9	1139.2	1181.3	1242.3	1334.1	1468.9	1652.3	1821.3	1899.7	1862.2	1718.9
45°	896.8	910.6	941.3	988.3	1058.6	1170.0	1327.7	1523.3	1678.6	1739.4	1647.9
47.5°	736.6	744.1	770.9	806.6	858.7	939.9	1061.9	1231.7	1418.0	1548.5	1535.7
50°	650.0	658.4	678.9	706.0	749.9	818.5	916.1	1057.5	1249.5	1408.9	1440.8
52.5°	582.6	589.6	602.4	627.9	664.2	716.9	795.7	923.6	1096.4	1266.0	1339.7
55°	492.3	497.1	507.4	521.8	550.7	588.6	656.7	745.1	884.8	1055.6	1164.0
57.5°	417.9	420.4	426.9	440.2	460.2	487.9	537.0	612.0	712.1	866.0	985.6
60°	370.8	373.2	381.6	390.6	406.3	431.5	470.0	522.4	618.7	745.7	866.7
62.5°	333.1	334.7	338.2	347.2	361.0	380.5	410.8	453.5	530.1	641.7	755.9
65°	279.3	279.8	281.1	288.3	296.7	311.1	331.0	361.1	418.9	503.2	604.2
67.5°	227.5	228.4	232.6	235.1	243.9	251.5	263.1	286.1	326.8	383.6	462.3
70°	198.6	198.0	202.2	205.3	208.2	217.3	225.1	243.8	269.0	312.4	378.0
72.5°	171.7	170.0	171.9	173.0	176.9	183.1	190.9	202.3	221.9	251.7	301.9
75°	130.0	130.6	130.6	131.8	134.8	137.2	139.6	145.6	156.5	176.4	203.4
77.5°	91.2	90.2	92.8	93.2	95.0	97.6	99.7	102.1	106.6	114.7	128.7
80°	66.2	66.2	66.8	68.6	68.0	69.2	72.2	74.6	80.1	84.9	89.7
82.5°	50.8	50.3	50.9	51.3	51.2	52.3	53.4	53.9	56.0	58.4	61.7
85°	27.6	27.6	28.3	28.3	28.9	28.9	29.5	29.5	29.5	30.1	30.7
87.5°	14.9	14.4	13.7	13.6	14.0	14.8	14.1	13.4	13.2	13.0	13.2
90°	21.7	21.0	20.5	19.9	19.3	18.5	17.5	16.5	15.4	14.4	13.0
92.5°	42.6	42.2	41.7	41.3	40.8	40.0	38.7	37.4	36.0	34.7	33.0
95°	77.7	77.3	76.9	76.5	76.1	75.2	73.7	72.4	71.0	69.6	67.6
97.5°	117.8	117.6	117.3	117.1	116.8	116.1	114.8	113.4	112.1	110.8	108.0
100°	148.2	147.8	147.4	147.0	146.6	145.4	143.7	141.9	140.1	138.2	135.6
102.5°	178.5	178.0	177.5	176.8	176.3	175.0	173.1	171.1	169.2	167.2	165.9
105°	224.1	223.5	222.8	222.3	221.7	220.8	219.5	218.4	217.1	216.0	214.7
107.5°	270.7	270.7	270.8	270.8	270.9	270.5	270.0	269.4	268.8	268.1	267.2
110°	305.4	305.6	305.8	306.0	306.2	306.0	305.4	304.8	304.2	303.6	303.0



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	339.4	339.7	340.1	340.5	340.8	340.8	340.5	340.3	340.0	339.7	338.9
115°	393.1	393.2	393.4	393.6	393.9	394.0	394.2	394.4	394.7	394.8	394.4
117.5°	445.4	446.2	447.0	447.8	448.6	449.0	448.8	448.6	448.5	448.4	448.0
120°	481.6	482.4	483.2	484.0	484.8	485.2	485.2	485.2	485.2	485.2	485.0
122.5°	517.7	518.4	519.0	519.7	520.3	520.7	520.8	521.0	521.2	521.4	520.8
125°	571.9	572.1	572.3	572.6	572.7	573.0	573.5	573.8	574.3	574.6	574.4
127.5°	624.0	624.4	624.8	625.2	625.6	625.9	626.1	626.2	626.5	626.7	626.4
130°	658.7	659.1	659.5	659.9	660.3	660.6	660.8	661.0	661.2	661.4	661.0
132.5°	691.2	691.8	692.3	692.9	693.5	693.8	694.0	694.2	694.5	694.6	694.7
135°	741.8	742.6	743.4	744.2	745.0	745.4	745.4	745.4	745.4	745.4	745.2
137.5°	791.3	792.3	793.4	794.3	795.3	795.7	795.5	795.2	795.0	794.8	794.3
140°	823.1	824.1	825.1	826.2	827.2	827.4	827.1	826.6	826.3	825.8	825.2
142.5°	853.5	854.5	855.5	856.5	857.5	857.9	857.6	857.4	857.1	856.9	856.1
145°	899.0	899.6	900.2	900.8	901.4	901.7	901.7	901.7	901.7	901.7	901.2
147.5°	937.9	939.2	940.6	942.0	943.3	943.8	943.3	942.8	942.4	941.8	941.4
150°	966.8	967.1	967.6	968.0	968.4	968.6	968.6	968.6	968.6	968.6	967.8
152.5°	990.6	991.3	992.1	992.8	993.5	993.6	993.2	992.7	992.2	991.8	991.4
155°	1024.6	1025.6	1026.6	1027.6	1028.6	1028.8	1028.0	1027.2	1026.4	1025.6	1025.3
157.5°	1053.0	1054.3	1055.6	1056.9	1058.3	1058.5	1057.7	1056.9	1056.1	1055.3	1055.2
160°	1072.5	1073.5	1074.5	1075.5	1076.5	1076.7	1075.8	1075.0	1074.2	1073.4	1073.2
162.5°	1089.1	1090.3	1091.5	1092.6	1093.8	1093.9	1092.9	1092.0	1091.0	1090.0	1090.0
165°	1111.3	1112.6	1113.7	1115.0	1116.2	1116.3	1115.5	1114.7	1113.9	1113.1	1112.9
167.5°	1129.1	1130.3	1131.6	1132.8	1134.1	1134.1	1132.8	1131.7	1130.4	1129.3	1129.3
170°	1138.4	1139.9	1141.3	1142.6	1144.1	1144.2	1143.0	1141.7	1140.6	1139.3	1139.3
172.5°	1146.4	1147.6	1148.9	1150.1	1151.4	1151.4	1150.2	1149.0	1147.8	1146.6	1146.6
175°	1153.8	1155.2	1156.6	1158.1	1159.4	1159.6	1158.3	1157.1	1155.9	1154.7	1154.7
177.5°	1158.2	1159.3	1160.4	1161.5	1162.6	1162.7	1161.8	1160.8	1159.8	1158.9	1159.0
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1506.5	1503.2	1496.9	1491.1	1483.9	1477.7	1473.4	1468.0	1461.3	1453.1	1446.4
5°	1573.2	1560.0	1542.6	1527.5	1508.2	1493.2	1477.6	1462.5	1447.4	1428.2	1411.3
7.5°	1647.2	1619.8	1593.2	1559.8	1529.5	1502.4	1476.3	1450.0	1424.2	1396.9	1370.6
10°	1692.4	1659.3	1622.6	1580.5	1541.9	1505.2	1471.5	1438.4	1403.6	1372.8	1339.7
12.5°	1734.8	1692.0	1650.0	1596.9	1550.6	1505.7	1462.9	1421.6	1384.3	1344.4	1308.9
15°	1773.1	1730.9	1684.0	1619.0	1554.6	1500.4	1449.8	1396.3	1350.0	1305.4	1265.7
17.5°	1787.9	1743.7	1689.2	1626.7	1556.3	1488.2	1423.0	1364.3	1309.7	1257.8	1213.2
20°	1782.1	1739.4	1683.4	1623.8	1548.5	1477.6	1407.1	1342.1	1281.4	1226.5	1179.0
22.5°	1768.1	1723.9	1669.9	1607.0	1535.5	1460.2	1385.0	1315.6	1252.0	1195.2	1143.4
25°	1747.2	1687.0	1631.7	1570.2	1502.3	1427.6	1350.0	1273.5	1205.5	1147.7	1091.2
27.5°	1725.4	1650.3	1579.8	1518.9	1447.0	1380.4	1305.6	1227.2	1155.7	1096.8	1038.8
30°	1705.7	1621.4	1543.7	1474.5	1406.5	1343.4	1272.3	1195.9	1122.5	1061.7	1002.7
32.5°	1681.1	1591.5	1506.2	1426.4	1360.8	1298.1	1233.8	1160.7	1089.2	1026.5	966.6
35°	1650.3	1536.0	1443.2	1358.3	1285.6	1224.8	1167.0	1108.0	1036.4	971.4	913.0
37.5°	1609.8	1480.1	1372.8	1280.4	1203.5	1142.5	1096.9	1043.0	977.7	915.4	861.2
40°	1585.3	1439.7	1322.2	1230.8	1150.1	1085.7	1043.0	997.3	937.7	879.3	825.1
42.5°	1552.6	1402.6	1271.2	1175.9	1094.8	1032.8	989.5	949.6	899.6	844.6	786.6
45°	1488.4	1330.7	1192.8	1090.6	1008.7	947.9	907.6	872.1	834.2	783.6	733.1
47.5°	1404.8	1255.7	1111.5	999.8	919.6	863.2	824.0	796.0	768.9	725.9	676.8
50°	1337.9	1194.1	1053.2	944.9	859.4	805.8	769.2	746.9	722.2	683.1	642.2
52.5°	1258.9	1130.5	992.6	881.8	801.2	751.0	715.7	693.5	673.2	641.2	602.2
55°	1134.5	1022.0	895.5	795.0	721.0	670.5	636.8	615.7	603.7	576.6	545.9
57.5°	990.9	910.3	798.8	701.9	636.4	586.5	561.8	543.9	530.2	511.1	489.5
60°	890.7	834.2	734.2	642.2	582.0	534.4	512.2	497.1	484.5	468.2	451.4
62.5°	789.2	748.0	661.1	582.0	526.6	486.8	465.9	452.4	437.8	426.9	410.5
65°	653.0	616.3	556.1	494.1	443.0	411.1	396.0	384.0	375.0	362.9	351.5
67.5°	508.0	493.0	451.5	408.8	372.0	343.7	330.6	322.3	311.4	304.2	296.3
70°	418.9	411.7	382.2	353.9	319.6	300.3	288.3	284.6	271.4	264.2	258.8
72.5°	339.9	336.5	319.6	300.0	275.8	259.0	247.8	243.8	235.3	229.5	226.0
75°	232.9	234.2	231.1	218.5	209.5	198.6	189.0	186.5	180.6	175.8	172.7
77.5°	147.3	153.5	153.7	153.1	149.5	142.9	138.9	137.1	131.2	129.4	128.7
80°	101.1	107.7	113.8	113.2	111.9	110.1	107.1	105.3	102.3	100.5	99.3
82.5°	67.4	73.6	78.6	81.9	81.6	79.8	77.8	77.0	76.3	75.0	74.7
85°	31.9	33.1	34.9	39.1	42.1	42.7	42.1	41.6	39.7	40.3	40.9
87.5°	13.4	13.1	13.3	13.0	12.2	14.3	15.4	15.6	15.0	14.3	13.6
90°	11.7	10.3	8.8	7.3	5.7	4.1	2.5	0.9	2.5	4.1	5.7
92.5°	31.2	29.5	27.8	26.4	25.2	24.1	23.0	21.8	23.0	24.1	25.2
95°	65.5	63.6	61.5	60.4	59.9	59.6	59.1	58.8	59.1	59.6	59.9
97.5°	105.2	102.5	99.7	98.3	98.1	97.9	97.7	97.6	97.7	97.9	98.1
100°	133.0	130.4	127.8	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
102.5°	164.5	163.2	161.8	160.8	160.0	159.2	158.4	157.6	158.4	159.2	160.0
105°	213.6	212.3	211.2	210.0	209.0	208.0	207.0	206.0	207.0	208.0	209.0
107.5°	266.4	265.4	264.5	263.5	262.5	261.5	260.5	259.5	260.5	261.5	262.5
110°	302.4	301.8	301.2	300.4	299.3	298.4	297.4	296.3	297.4	298.4	299.3





TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	338.2	337.4	336.7	336.0	335.6	335.0	334.5	333.9	334.5	335.0	335.6
115°	394.0	393.6	393.2	392.6	391.8	391.0	390.2	389.4	390.2	391.0	391.8
117.5°	447.6	447.3	446.9	446.6	446.1	445.8	445.4	445.1	445.4	445.8	446.1
120°	484.8	484.6	484.4	483.8	482.8	481.8	480.8	479.7	480.8	481.8	482.8
122.5°	520.3	519.8	519.2	518.8	518.4	518.1	517.7	517.4	517.7	518.1	518.4
125°	574.3	574.1	573.8	573.1	571.9	570.7	569.5	568.3	569.5	570.7	571.9
127.5°	626.2	626.0	625.7	625.3	624.6	623.9	623.2	622.5	623.2	623.9	624.6
130°	660.6	660.2	659.8	659.1	658.1	657.1	656.0	655.1	656.0	657.1	658.1
132.5°	694.8	694.9	695.0	694.2	692.5	690.9	689.2	687.6	689.2	690.9	692.5
135°	745.0	744.8	744.6	744.0	742.7	741.5	740.3	739.0	740.3	741.5	742.7
137.5°	793.9	793.4	793.0	792.2	791.0	789.9	788.7	787.6	788.7	789.9	791.0
140°	824.7	824.0	823.4	822.6	821.6	820.6	819.6	818.6	819.6	820.6	821.6
142.5°	855.4	854.6	853.9	853.1	852.2	851.4	850.5	849.7	850.5	851.4	852.2
145°	900.5	899.9	899.3	898.6	897.8	897.0	896.2	895.4	896.2	897.0	897.8
147.5°	940.8	940.4	940.0	939.4	939.0	938.6	938.2	937.7	938.2	938.6	939.0
150°	967.0	966.2	965.4	965.1	965.3	965.5	965.7	965.9	965.7	965.5	965.3
152.5°	991.0	990.8	990.4	990.2	989.9	989.5	989.3	989.0	989.3	989.5	989.9
155°	1025.1	1024.9	1024.7	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6	1024.6
157.5°	1054.9	1054.7	1054.5	1054.6	1055.1	1055.5	1056.0	1056.4	1056.0	1055.5	1055.1
160°	1073.0	1072.8	1072.6	1072.8	1073.4	1074.0	1074.6	1075.2	1074.6	1074.0	1073.4
162.5°	1089.9	1089.9	1089.8	1090.0	1090.5	1090.9	1091.4	1091.8	1091.4	1090.9	1090.5
165°	1112.8	1112.6	1112.3	1112.4	1112.9	1113.2	1113.7	1114.1	1113.7	1113.2	1112.9
167.5°	1129.3	1129.3	1129.3	1129.6	1130.4	1131.2	1132.0	1132.8	1132.0	1131.2	1130.4
170°	1139.3	1139.3	1139.3	1139.8	1140.6	1141.4	1142.2	1143.0	1142.2	1141.4	1140.6
172.5°	1146.6	1146.6	1146.6	1147.0	1147.8	1148.6	1149.4	1150.2	1149.4	1148.6	1147.8
175°	1154.7	1154.7	1154.7	1155.1	1155.9	1156.7	1157.5	1158.3	1157.5	1156.7	1155.9
177.5°	1159.2	1159.3	1159.5	1159.9	1160.6	1161.2	1161.8	1162.5	1161.8	1161.2	1160.6
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1441.5	1434.9	1430.0	1420.4	1413.6	1410.8	1405.4	1404.0	1409.3	1405.4	1405.0
5°	1398.7	1381.3	1367.4	1353.5	1338.5	1328.9	1314.5	1312.1	1308.4	1303.0	1301.8
7.5°	1347.3	1324.5	1306.7	1283.9	1264.0	1248.0	1229.9	1221.4	1216.7	1209.7	1200.3
10°	1312.6	1285.6	1261.5	1238.6	1214.0	1194.1	1176.0	1162.2	1153.2	1144.7	1141.1
12.5°	1278.4	1250.9	1220.0	1192.4	1164.8	1142.5	1122.6	1113.6	1103.6	1093.7	1085.3
15°	1225.4	1188.7	1154.9	1123.0	1099.6	1075.5	1056.2	1043.0	1028.0	1023.8	1007.5
17.5°	1169.0	1133.0	1093.6	1060.0	1032.8	1006.3	985.1	970.1	958.8	943.3	935.8
20°	1133.9	1091.2	1052.7	1022.0	991.8	960.6	938.9	926.2	915.4	902.8	896.8
22.5°	1096.4	1054.5	1015.1	979.1	948.5	917.7	902.3	889.2	876.9	865.2	857.3
25°	1041.2	999.1	957.5	920.2	888.3	866.0	848.0	832.9	826.3	814.9	806.5
27.5°	986.7	941.9	898.8	861.6	836.6	814.6	799.8	787.8	775.9	765.9	758.6
30°	951.5	905.8	858.8	829.4	802.9	781.8	765.5	754.1	745.1	736.1	730.7
32.5°	916.4	869.2	827.5	795.7	770.6	752.4	735.7	724.8	715.2	705.3	698.8
35°	860.1	811.9	778.2	746.9	722.2	705.3	693.9	678.3	670.5	663.3	656.7
37.5°	807.7	762.9	726.5	699.0	677.5	660.8	646.0	637.6	627.9	621.4	615.9
40°	769.2	728.3	695.2	666.3	650.6	632.0	618.1	607.3	600.0	591.7	585.6
42.5°	734.5	696.4	664.3	638.3	618.8	603.1	589.7	578.9	569.7	563.7	558.7
45°	685.5	647.6	616.3	592.2	574.2	559.1	545.3	539.8	527.8	520.6	518.2
47.5°	634.8	600.9	570.7	548.5	530.0	515.8	502.7	491.7	485.1	478.0	474.1
50°	600.7	568.1	539.8	518.2	500.2	484.5	472.4	465.2	456.2	449.6	444.8
52.5°	566.5	536.4	508.1	487.4	471.7	456.1	442.6	435.4	426.9	422.6	419.3
55°	517.6	485.7	461.6	441.1	424.9	410.5	397.8	390.6	385.2	380.9	379.8
57.5°	462.3	436.9	414.6	396.1	379.2	365.7	354.6	347.8	343.0	342.3	338.8
60°	426.1	403.2	382.8	362.9	348.5	335.8	326.2	318.3	313.5	313.0	311.7
62.5°	390.0	368.1	349.1	331.6	318.6	306.5	297.3	288.6	285.6	282.7	280.0
65°	336.4	316.6	301.0	287.0	273.2	263.0	254.0	248.6	241.9	238.4	231.8
67.5°	283.8	268.4	253.4	241.7	230.9	221.1	213.7	205.6	201.2	198.2	193.4
70°	249.1	237.1	222.1	209.5	201.0	193.2	187.2	178.2	175.1	172.7	170.3
72.5°	216.4	205.8	193.2	183.0	174.5	167.2	160.2	156.0	153.0	150.6	149.2
75°	170.3	160.1	149.3	142.0	136.0	130.0	126.4	123.4	122.2	121.5	119.1
77.5°	125.1	119.7	111.0	105.2	101.2	98.8	95.6	94.0	93.9	91.2	90.4
80°	95.7	92.6	85.4	83.0	80.1	77.7	75.8	72.9	69.8	68.6	66.8
82.5°	71.2	68.1	65.3	61.3	58.9	57.4	55.6	54.5	54.9	53.2	52.3
85°	37.9	34.9	33.7	33.1	31.9	33.1	32.5	31.9	31.3	30.7	31.3
87.5°	13.5	13.8	13.6	14.9	13.6	14.4	14.6	14.4	14.5	14.8	14.4
90°	7.3	8.8	10.3	11.7	13.0	14.4	15.4	16.5	17.5	18.5	19.3
92.5°	26.4	27.8	29.5	31.2	33.0	34.7	36.0	37.4	38.7	40.0	40.8
95°	60.4	61.5	63.6	65.5	67.6	69.6	71.0	72.4	73.7	75.2	76.1
97.5°	98.3	99.7	102.5	105.2	108.0	110.8	112.1	113.4	114.8	116.1	116.8
100°	126.5	127.8	130.4	133.0	135.6	138.2	140.1	141.9	143.7	145.4	146.6
102.5°	160.8	161.8	163.2	164.5	165.9	167.2	169.2	171.1	173.1	175.0	176.3
105°	210.0	211.2	212.3	213.6	214.7	216.0	217.1	218.4	219.5	220.8	221.7
107.5°	263.5	264.5	265.4	266.4	267.2	268.1	268.8	269.4	270.0	270.5	270.9
110°	300.4	301.2	301.8	302.4	303.0	303.6	304.2	304.8	305.4	306.0	306.2



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	336.0	336.7	337.4	338.2	338.9	339.7	340.0	340.3	340.5	340.8	340.8
115°	392.6	393.2	393.6	394.0	394.4	394.8	394.7	394.4	394.2	394.0	393.9
117.5°	446.6	446.9	447.3	447.6	448.0	448.4	448.5	448.6	448.8	449.0	448.6
120°	483.8	484.4	484.6	484.8	485.0	485.2	485.2	485.2	485.2	485.2	484.8
122.5°	518.8	519.2	519.8	520.3	520.8	521.4	521.2	521.0	520.8	520.7	520.3
125°	573.1	573.8	574.1	574.3	574.4	574.6	574.3	573.8	573.5	573.0	572.7
127.5°	625.3	625.7	626.0	626.2	626.4	626.7	626.5	626.2	626.1	625.9	625.6
130°	659.1	659.8	660.2	660.6	661.0	661.4	661.2	661.0	660.8	660.6	660.3
132.5°	694.2	695.0	694.9	694.8	694.7	694.6	694.5	694.2	694.0	693.8	693.5
135°	744.0	744.6	744.8	745.0	745.2	745.4	745.4	745.4	745.4	745.4	745.0
137.5°	792.2	793.0	793.4	793.9	794.3	794.8	795.0	795.2	795.5	795.7	795.3
140°	822.6	823.4	824.0	824.7	825.2	825.8	826.3	826.6	827.1	827.4	827.2
142.5°	853.1	853.9	854.6	855.4	856.1	856.9	857.1	857.4	857.6	857.9	857.5
145°	898.6	899.3	899.9	900.5	901.2	901.7	901.7	901.7	901.7	901.7	901.4
147.5°	939.4	940.0	940.4	940.8	941.4	941.8	942.4	942.8	943.3	943.8	943.3
150°	965.1	965.4	966.2	967.0	967.8	968.6	968.6	968.6	968.6	968.6	968.4
152.5°	990.2	990.4	990.8	991.0	991.4	991.8	992.2	992.7	993.2	993.6	993.5
155°	1024.6	1024.7	1024.9	1025.1	1025.3	1025.6	1026.4	1027.2	1028.0	1028.8	1028.6
157.5°	1054.6	1054.5	1054.7	1054.9	1055.2	1055.3	1056.1	1056.9	1057.7	1058.5	1058.3
160°	1072.8	1072.6	1072.8	1073.0	1073.2	1073.4	1074.2	1075.0	1075.8	1076.7	1076.5
162.5°	1090.0	1089.8	1089.9	1089.9	1090.0	1090.0	1091.0	1092.0	1092.9	1093.9	1093.8
165°	1112.4	1112.3	1112.6	1112.8	1112.9	1113.1	1113.9	1114.7	1115.5	1116.3	1116.2
167.5°	1129.6	1129.3	1129.3	1129.3	1129.3	1129.3	1130.4	1131.7	1132.8	1134.1	1134.1
170°	1139.8	1139.3	1139.3	1139.3	1139.3	1139.3	1140.6	1141.7	1143.0	1144.2	1144.1
172.5°	1147.0	1146.6	1146.6	1146.6	1146.6	1146.6	1147.8	1149.0	1150.2	1151.4	1151.4
175°	1155.1	1154.7	1154.7	1154.7	1154.7	1154.7	1155.9	1157.1	1158.3	1159.6	1159.4
177.5°	1159.9	1159.5	1159.3	1159.2	1159.0	1158.9	1159.8	1160.8	1161.8	1162.7	1162.6
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1404.4	1399.2	1397.8	1399.6	1397.8	1399.2	1404.4	1405.0	1405.4	1409.3	1404.0
5°	1295.8	1289.8	1292.8	1291.6	1292.8	1289.8	1295.8	1301.8	1303.0	1308.4	1312.1
7.5°	1200.2	1192.8	1184.8	1187.3	1184.8	1192.8	1200.2	1200.3	1209.7	1216.7	1221.4
10°	1133.3	1127.3	1123.6	1126.7	1123.6	1127.3	1133.3	1141.1	1144.7	1153.2	1162.2
12.5°	1076.9	1073.4	1070.2	1068.9	1070.2	1073.4	1076.9	1085.3	1093.7	1103.6	1113.6
15°	1000.3	993.1	990.1	982.2	990.1	993.1	1000.3	1007.5	1023.8	1028.0	1043.0
17.5°	929.6	927.2	919.4	916.1	919.4	927.2	929.6	935.8	943.3	958.8	970.1
20°	887.7	885.3	877.5	882.3	877.5	885.3	887.7	896.8	902.8	915.4	926.2
22.5°	853.1	847.7	845.3	843.8	845.3	847.7	853.1	857.3	865.2	876.9	889.2
25°	804.1	796.2	793.3	789.6	793.3	796.2	804.1	806.5	814.9	826.3	832.9
27.5°	755.2	751.0	747.0	746.1	747.0	751.0	755.2	758.6	765.9	775.9	787.8
30°	723.4	719.3	716.2	716.2	716.2	719.3	723.4	730.7	736.1	745.1	754.1
32.5°	695.0	691.8	688.8	688.3	688.8	691.8	695.0	698.8	705.3	715.2	724.8
35°	653.6	648.8	647.6	644.0	647.6	648.8	653.6	656.7	663.3	670.5	678.3
37.5°	610.6	606.6	606.5	606.2	606.5	606.6	610.6	615.9	621.4	627.9	637.6
40°	583.2	580.1	579.6	575.3	579.6	580.1	583.2	585.6	591.7	600.0	607.3
42.5°	553.8	552.2	550.2	548.4	550.2	552.2	553.8	558.7	563.7	569.7	578.9
45°	514.0	509.8	509.8	506.8	509.8	509.8	514.0	518.2	520.6	527.8	539.8
47.5°	472.8	469.6	469.9	466.8	469.9	469.6	472.8	474.1	478.0	485.1	491.7
50°	445.4	443.5	443.0	441.8	443.0	443.5	445.4	444.8	449.6	456.2	465.2
52.5°	417.9	417.1	419.4	416.7	419.4	417.1	417.9	419.3	422.6	426.9	435.4
55°	380.9	379.2	382.8	379.2	382.8	379.2	380.9	379.8	380.9	385.2	390.6
57.5°	338.5	336.8	340.0	338.2	340.0	336.8	338.5	338.8	342.3	343.0	347.8
60°	310.6	306.9	308.7	309.3	308.7	306.9	310.6	311.7	313.0	313.5	318.3
62.5°	277.3	275.2	276.5	273.8	276.5	275.2	277.3	280.0	282.7	285.6	288.6
65°	230.5	228.7	226.3	225.1	226.3	228.7	230.5	231.8	238.4	241.9	248.6
67.5°	193.7	189.3	189.2	190.2	189.2	189.3	193.7	193.4	198.2	201.2	205.6
70°	166.7	166.7	166.1	166.1	166.1	166.7	166.7	170.3	172.7	175.1	178.2
72.5°	147.9	147.5	146.3	145.9	146.3	147.5	147.9	149.2	150.6	153.0	156.0
75°	119.1	119.8	118.6	118.0	118.6	119.8	119.1	119.1	121.5	122.2	123.4
77.5°	88.0	85.4	86.8	85.4	86.8	85.4	88.0	90.4	91.2	93.9	94.0
80°	66.8	66.2	68.0	66.2	68.0	66.2	66.8	66.8	68.6	69.8	72.9
82.5°	52.9	52.3	53.1	51.7	53.1	52.3	52.9	52.3	53.2	54.9	54.5
85°	31.9	31.3	30.7	31.3	30.7	31.3	31.9	31.3	30.7	31.3	31.9
87.5°	15.1	14.7	14.8	14.9	14.8	14.7	15.1	14.4	14.8	14.5	14.4
90°	19.9	20.5	21.0	21.7	21.0	20.5	19.9	19.3	18.5	17.5	16.5
92.5°	41.3	41.7	42.2	42.6	42.2	41.7	41.3	40.8	40.0	38.7	37.4
95°	76.5	76.9	77.3	77.7	77.3	76.9	76.5	76.1	75.2	73.7	72.4
97.5°	117.1	117.3	117.6	117.8	117.6	117.3	117.1	116.8	116.1	114.8	113.4
100°	147.0	147.4	147.8	148.2	147.8	147.4	147.0	146.6	145.4	143.7	141.9
102.5°	176.8	177.5	178.0	178.5	178.0	177.5	176.8	176.3	175.0	173.1	171.1
105°	222.3	222.8	223.5	224.1	223.5	222.8	222.3	221.7	220.8	219.5	218.4
107.5°	270.8	270.8	270.7	270.7	270.7	270.8	270.8	270.9	270.5	270.0	269.4
110°	306.0	305.8	305.6	305.4	305.6	305.8	306.0	306.2	306.0	305.4	304.8



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	340.5	340.1	339.7	339.4	339.7	340.1	340.5	340.8	340.8	340.5	340.3
115°	393.6	393.4	393.2	393.1	393.2	393.4	393.6	393.9	394.0	394.2	394.4
117.5°	447.8	447.0	446.2	445.4	446.2	447.0	447.8	448.6	449.0	448.8	448.6
120°	484.0	483.2	482.4	481.6	482.4	483.2	484.0	484.8	485.2	485.2	485.2
122.5°	519.7	519.0	518.4	517.7	518.4	519.0	519.7	520.3	520.7	520.8	521.0
125°	572.6	572.3	572.1	571.9	572.1	572.3	572.6	572.7	573.0	573.5	573.8
127.5°	625.2	624.8	624.4	624.0	624.4	624.8	625.2	625.6	625.9	626.1	626.2
130°	659.9	659.5	659.1	658.7	659.1	659.5	659.9	660.3	660.6	660.8	661.0
132.5°	692.9	692.3	691.8	691.2	691.8	692.3	692.9	693.5	693.8	694.0	694.2
135°	744.2	743.4	742.6	741.8	742.6	743.4	744.2	745.0	745.4	745.4	745.4
137.5°	794.3	793.4	792.3	791.3	792.3	793.4	794.3	795.3	795.7	795.5	795.2
140°	826.2	825.1	824.1	823.1	824.1	825.1	826.2	827.2	827.4	827.1	826.6
142.5°	856.5	855.5	854.5	853.5	854.5	855.5	856.5	857.5	857.9	857.6	857.4
145°	900.8	900.2	899.6	899.0	899.6	900.2	900.8	901.4	901.7	901.7	901.7
147.5°	942.0	940.6	939.2	937.9	939.2	940.6	942.0	943.3	943.8	943.3	942.8
150°	968.0	967.6	967.1	966.8	967.1	967.6	968.0	968.4	968.6	968.6	968.6
152.5°	992.8	992.1	991.3	990.6	991.3	992.1	992.8	993.5	993.6	993.2	992.7
155°	1027.6	1026.6	1025.6	1024.6	1025.6	1026.6	1027.6	1028.6	1028.8	1028.0	1027.2
157.5°	1056.9	1055.6	1054.3	1053.0	1054.3	1055.6	1056.9	1058.3	1058.5	1057.7	1056.9
160°	1075.5	1074.5	1073.5	1072.5	1073.5	1074.5	1075.5	1076.5	1076.7	1075.8	1075.0
162.5°	1092.6	1091.5	1090.3	1089.1	1090.3	1091.5	1092.6	1093.8	1093.9	1092.9	1092.0
165°	1115.0	1113.7	1112.6	1111.3	1112.6	1113.7	1115.0	1116.2	1116.3	1115.5	1114.7
167.5°	1132.8	1131.6	1130.3	1129.1	1130.3	1131.6	1132.8	1134.1	1134.1	1132.8	1131.7
170°	1142.6	1141.3	1139.9	1138.4	1139.9	1141.3	1142.6	1144.1	1144.2	1143.0	1141.7
172.5°	1150.1	1148.9	1147.6	1146.4	1147.6	1148.9	1150.1	1151.4	1151.4	1150.2	1149.0
175°	1158.1	1156.6	1155.2	1153.8	1155.2	1156.6	1158.1	1159.4	1159.6	1158.3	1157.1
177.5°	1161.5	1160.4	1159.3	1158.2	1159.3	1160.4	1161.5	1162.6	1162.7	1161.8	1160.8
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1405.4	1410.8	1413.6	1420.4	1430.0	1434.9	1441.5	1446.4	1453.1	1461.3	1468.0
5°	1314.5	1328.9	1338.5	1353.5	1367.4	1381.3	1398.7	1411.3	1428.2	1447.4	1462.5
7.5°	1229.9	1248.0	1264.0	1283.9	1306.7	1324.5	1347.3	1370.6	1396.9	1424.2	1450.0
10°	1176.0	1194.1	1214.0	1238.6	1261.5	1285.6	1312.6	1339.7	1372.8	1403.6	1438.4
12.5°	1122.6	1142.5	1164.8	1192.4	1220.0	1250.9	1278.4	1308.9	1344.4	1384.3	1421.6
15°	1056.2	1075.5	1099.6	1123.0	1154.9	1188.7	1225.4	1265.7	1305.4	1350.0	1396.3
17.5°	985.1	1006.3	1032.8	1060.0	1093.6	1133.0	1169.0	1213.2	1257.8	1309.7	1364.3
20°	938.9	960.6	991.8	1022.0	1052.7	1091.2	1133.9	1179.0	1226.5	1281.4	1342.1
22.5°	902.3	917.7	948.5	979.1	1015.1	1054.5	1096.4	1143.4	1195.2	1252.0	1315.6
25°	848.0	866.0	888.3	920.2	957.5	999.1	1041.2	1091.2	1147.7	1205.5	1273.5
27.5°	799.8	814.6	836.6	861.6	898.8	941.9	986.7	1038.8	1096.8	1155.7	1227.2
30°	765.5	781.8	802.9	829.4	858.8	905.8	951.5	1002.7	1061.7	1122.5	1195.9
32.5°	735.7	752.4	770.6	795.7	827.5	869.2	916.4	966.6	1026.5	1089.2	1160.7
35°	693.9	705.3	722.2	746.9	778.2	811.9	860.1	913.0	971.4	1036.4	1108.0
37.5°	646.0	660.8	677.5	699.0	726.5	762.9	807.7	861.2	915.4	977.7	1043.0
40°	618.1	632.0	650.6	666.3	695.2	728.3	769.2	825.1	879.3	937.7	997.3
42.5°	589.7	603.1	618.8	638.3	664.3	696.4	734.5	786.6	844.6	899.6	949.6
45°	545.3	559.1	574.2	592.2	616.3	647.6	685.5	733.1	783.6	834.2	872.1
47.5°	502.7	515.8	530.0	548.5	570.7	600.9	634.8	676.8	725.9	768.9	796.0
50°	472.4	484.5	500.2	518.2	539.8	568.1	600.7	642.2	683.1	722.2	746.9
52.5°	442.6	456.1	471.7	487.4	508.1	536.4	566.5	602.2	641.2	673.2	693.5
55°	397.8	410.5	424.9	441.1	461.6	485.7	517.6	545.9	576.6	603.7	615.7
57.5°	354.6	365.7	379.2	396.1	414.6	436.9	462.3	489.5	511.1	530.2	543.9
60°	326.2	335.8	348.5	362.9	382.8	403.2	426.1	451.4	468.2	484.5	497.1
62.5°	297.3	306.5	318.6	331.6	349.1	368.1	390.0	410.5	426.9	437.8	452.4
65°	254.0	263.0	273.2	287.0	301.0	316.6	336.4	351.5	362.9	375.0	384.0
67.5°	213.7	221.1	230.9	241.7	253.4	268.4	283.8	296.3	304.2	311.4	322.3
70°	187.2	193.2	201.0	209.5	222.1	237.1	249.1	258.8	264.2	271.4	284.6
72.5°	160.2	167.2	174.5	183.0	193.2	205.8	216.4	226.0	229.5	235.3	243.8
75°	126.4	130.0	136.0	142.0	149.3	160.1	170.3	172.7	175.8	180.6	186.5
77.5°	95.6	98.8	101.2	105.2	111.0	119.7	125.1	128.7	129.4	131.2	137.1
80°	75.8	77.7	80.1	83.0	85.4	92.6	95.7	99.3	100.5	102.3	105.3
82.5°	55.6	57.4	58.9	61.3	65.3	68.1	71.2	74.7	75.0	76.3	77.0
85°	32.5	33.1	31.9	33.1	33.7	34.9	37.9	40.9	40.3	39.7	41.6
87.5°	14.6	14.4	13.6	14.9	13.6	13.8	13.5	13.6	14.3	15.0	15.6
90°	15.4	14.4	13.0	11.7	10.3	8.8	7.3	5.7	4.1	2.5	0.9
92.5°	36.0	34.7	33.0	31.2	29.5	27.8	26.4	25.2	24.1	23.0	21.8
95°	71.0	69.6	67.6	65.5	63.6	61.5	60.4	59.9	59.6	59.1	58.8
97.5°	112.1	110.8	108.0	105.2	102.5	99.7	98.3	98.1	97.9	97.7	97.6
100°	140.1	138.2	135.6	133.0	130.4	127.8	126.5	126.5	126.5	126.5	126.5
102.5°	169.2	167.2	165.9	164.5	163.2	161.8	160.8	160.0	159.2	158.4	157.6
105°	217.1	216.0	214.7	213.6	212.3	211.2	210.0	209.0	208.0	207.0	206.0
107.5°	268.8	268.1	267.2	266.4	265.4	264.5	263.5	262.5	261.5	260.5	259.5
110°	304.2	303.6	303.0	302.4	301.8	301.2	300.4	299.3	298.4	297.4	296.3



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	340.0	339.7	338.9	338.2	337.4	336.7	336.0	335.6	335.0	334.5	333.9
115°	394.7	394.8	394.4	394.0	393.6	393.2	392.6	391.8	391.0	390.2	389.4
117.5°	448.5	448.4	448.0	447.6	447.3	446.9	446.6	446.1	445.8	445.4	445.1
120°	485.2	485.2	485.0	484.8	484.6	484.4	483.8	482.8	481.8	480.8	479.7
122.5°	521.2	521.4	520.8	520.3	519.8	519.2	518.8	518.4	518.1	517.7	517.4
125°	574.3	574.6	574.4	574.3	574.1	573.8	573.1	571.9	570.7	569.5	568.3
127.5°	626.5	626.7	626.4	626.2	626.0	625.7	625.3	624.6	623.9	623.2	622.5
130°	661.2	661.4	661.0	660.6	660.2	659.8	659.1	658.1	657.1	656.0	655.1
132.5°	694.5	694.6	694.7	694.8	694.9	695.0	694.2	692.5	690.9	689.2	687.6
135°	745.4	745.4	745.2	745.0	744.8	744.6	744.0	742.7	741.5	740.3	739.0
137.5°	795.0	794.8	794.3	793.9	793.4	793.0	792.2	791.0	789.9	788.7	787.6
140°	826.3	825.8	825.2	824.7	824.0	823.4	822.6	821.6	820.6	819.6	818.6
142.5°	857.1	856.9	856.1	855.4	854.6	853.9	853.1	852.2	851.4	850.5	849.7
145°	901.7	901.7	901.2	900.5	899.9	899.3	898.6	897.8	897.0	896.2	895.4
147.5°	942.4	941.8	941.4	940.8	940.4	940.0	939.4	939.0	938.6	938.2	937.7
150°	968.6	968.6	967.8	967.0	966.2	965.4	965.1	965.3	965.5	965.7	965.9
152.5°	992.2	991.8	991.4	991.0	990.8	990.4	990.2	989.9	989.5	989.3	989.0
155°	1026.4	1025.6	1025.3	1025.1	1024.9	1024.7	1024.6	1024.6	1024.6	1024.6	1024.6
157.5°	1056.1	1055.3	1055.2	1054.9	1054.7	1054.5	1054.6	1055.1	1055.5	1056.0	1056.4
160°	1074.2	1073.4	1073.2	1073.0	1072.8	1072.6	1072.8	1073.4	1074.0	1074.6	1075.2
162.5°	1091.0	1090.0	1090.0	1089.9	1089.9	1089.8	1090.0	1090.5	1090.9	1091.4	1091.8
165°	1113.9	1113.1	1112.9	1112.8	1112.6	1112.3	1112.4	1112.9	1113.2	1113.7	1114.1
167.5°	1130.4	1129.3	1129.3	1129.3	1129.3	1129.3	1129.6	1130.4	1131.2	1132.0	1132.8
170°	1140.6	1139.3	1139.3	1139.3	1139.3	1139.3	1139.8	1140.6	1141.4	1142.2	1143.0
172.5°	1147.8	1146.6	1146.6	1146.6	1146.6	1146.6	1147.0	1147.8	1148.6	1149.4	1150.2
175°	1155.9	1154.7	1154.7	1154.7	1154.7	1154.7	1155.1	1155.9	1156.7	1157.5	1158.3
177.5°	1159.8	1158.9	1159.0	1159.2	1159.3	1159.5	1159.9	1160.6	1161.2	1161.8	1162.5
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1473.4	1477.7	1483.9	1491.1	1496.9	1503.2	1506.5	1506.5	1509.5	1515.7	1523.9
5°	1477.6	1493.2	1508.2	1527.5	1542.6	1560.0	1573.2	1585.9	1597.3	1611.8	1626.8
7.5°	1476.3	1502.4	1529.5	1559.8	1593.2	1619.8	1647.2	1668.6	1689.8	1717.4	1739.2
10°	1471.5	1505.2	1541.9	1580.5	1622.6	1659.3	1692.4	1722.5	1751.4	1781.5	1808.6
12.5°	1462.9	1505.7	1550.6	1596.9	1650.0	1692.0	1734.8	1766.8	1800.5	1833.4	1866.8
15°	1449.8	1500.4	1554.6	1619.0	1684.0	1730.9	1773.1	1814.6	1845.8	1883.2	1915.1
17.5°	1423.0	1488.2	1556.3	1626.7	1689.2	1743.7	1787.9	1827.4	1860.7	1901.8	1945.1
20°	1407.1	1477.6	1548.5	1623.8	1683.4	1739.4	1782.1	1823.0	1864.6	1918.1	1971.0
22.5°	1385.0	1460.2	1535.5	1607.0	1669.9	1723.9	1768.1	1818.2	1872.7	1933.5	1997.5
25°	1350.0	1427.6	1502.3	1570.2	1631.7	1687.0	1747.2	1814.6	1880.8	1960.9	2052.9
27.5°	1305.6	1380.4	1447.0	1518.9	1579.8	1650.3	1725.4	1798.5	1893.9	2004.0	2119.0
30°	1272.3	1343.4	1406.5	1474.5	1543.7	1621.4	1705.7	1791.7	1905.5	2034.9	2171.5
32.5°	1233.8	1298.1	1360.8	1426.4	1506.2	1591.5	1681.1	1786.5	1922.4	2069.6	2211.0
35°	1167.0	1224.8	1285.6	1358.3	1443.2	1536.0	1650.3	1778.5	1942.8	2101.0	2228.0
37.5°	1096.9	1142.5	1203.5	1280.4	1372.8	1480.1	1609.8	1765.6	1934.4	2076.3	2130.5
40°	1043.0	1085.7	1150.1	1230.8	1322.2	1439.7	1585.3	1745.3	1915.1	2013.8	2009.6
42.5°	989.5	1032.8	1094.8	1175.9	1271.2	1402.6	1552.6	1718.9	1862.2	1899.7	1821.3
45°	907.6	947.9	1008.7	1090.6	1192.8	1330.7	1488.4	1647.9	1739.4	1678.6	1523.3
47.5°	824.0	863.2	919.6	999.8	1111.5	1255.7	1404.8	1535.7	1548.5	1418.0	1231.7
50°	769.2	805.8	859.4	944.9	1053.2	1194.1	1337.9	1440.8	1408.9	1249.5	1057.5
52.5°	715.7	751.0	801.2	881.8	992.6	1130.5	1258.9	1339.7	1266.0	1096.4	923.6
55°	636.8	670.5	721.0	795.0	895.5	1022.0	1134.5	1164.0	1055.6	884.8	745.1
57.5°	561.8	586.5	636.4	701.9	798.8	910.3	990.9	985.6	866.0	712.1	612.0
60°	512.2	534.4	582.0	642.2	734.2	834.2	890.7	866.7	745.7	618.7	522.4
62.5°	465.9	486.8	526.6	582.0	661.1	748.0	789.2	755.9	641.7	530.1	453.5
65°	396.0	411.1	443.0	494.1	556.1	616.3	653.0	604.2	503.2	418.9	361.1
67.5°	330.6	343.7	372.0	408.8	451.5	493.0	508.0	462.3	383.6	326.8	286.1
70°	288.3	300.3	319.6	353.9	382.2	411.7	418.9	378.0	312.4	269.0	243.8
72.5°	247.8	259.0	275.8	300.0	319.6	336.5	339.9	301.9	251.7	221.9	202.3
75°	189.0	198.6	209.5	218.5	231.1	234.2	232.9	203.4	176.4	156.5	145.6
77.5°	138.9	142.9	149.5	153.1	153.7	153.5	147.3	128.7	114.7	106.6	102.1
80°	107.1	110.1	111.9	113.2	113.8	107.7	101.1	89.7	84.9	80.1	74.6
82.5°	77.8	79.8	81.6	81.9	78.6	73.6	67.4	61.7	58.4	56.0	53.9
85°	42.1	42.7	42.1	39.1	34.9	33.1	31.9	30.7	30.1	29.5	29.5
87.5°	15.4	14.3	12.2	13.0	13.3	13.1	13.4	13.2	13.0	13.2	13.4
90°	2.5	4.1	5.7	7.3	8.8	10.3	11.7	13.0	14.4	15.4	16.5
92.5°	23.0	24.1	25.2	26.4	27.8	29.5	31.2	33.0	34.7	36.0	37.4
95°	59.1	59.6	59.9	60.4	61.5	63.6	65.5	67.6	69.6	71.0	72.4
97.5°	97.7	97.9	98.1	98.3	99.7	102.5	105.2	108.0	110.8	112.1	113.4
100°	126.5	126.5	126.5	126.5	127.8	130.4	133.0	135.6	138.2	140.1	141.9
102.5°	158.4	159.2	160.0	160.8	161.8	163.2	164.5	165.9	167.2	169.2	171.1
105°	207.0	208.0	209.0	210.0	211.2	212.3	213.6	214.7	216.0	217.1	218.4
107.5°	260.5	261.5	262.5	263.5	264.5	265.4	266.4	267.2	268.1	268.8	269.4
110°	297.4	298.4	299.3	300.4	301.2	301.8	302.4	303.0	303.6	304.2	304.8





TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	334.5	335.0	335.6	336.0	336.7	337.4	338.2	338.9	339.7	340.0	340.3
115°	390.2	391.0	391.8	392.6	393.2	393.6	394.0	394.4	394.8	394.7	394.4
117.5°	445.4	445.8	446.1	446.6	446.9	447.3	447.6	448.0	448.4	448.5	448.6
120°	480.8	481.8	482.8	483.8	484.4	484.6	484.8	485.0	485.2	485.2	485.2
122.5°	517.7	518.1	518.4	518.8	519.2	519.8	520.3	520.8	521.4	521.2	521.0
125°	569.5	570.7	571.9	573.1	573.8	574.1	574.3	574.4	574.6	574.3	573.8
127.5°	623.2	623.9	624.6	625.3	625.7	626.0	626.2	626.4	626.7	626.5	626.2
130°	656.0	657.1	658.1	659.1	659.8	660.2	660.6	661.0	661.4	661.2	661.0
132.5°	689.2	690.9	692.5	694.2	695.0	694.9	694.8	694.7	694.6	694.5	694.2
135°	740.3	741.5	742.7	744.0	744.6	744.8	745.0	745.2	745.4	745.4	745.4
137.5°	788.7	789.9	791.0	792.2	793.0	793.4	793.9	794.3	794.8	795.0	795.2
140°	819.6	820.6	821.6	822.6	823.4	824.0	824.7	825.2	825.8	826.3	826.6
142.5°	850.5	851.4	852.2	853.1	853.9	854.6	855.4	856.1	856.9	857.1	857.4
145°	896.2	897.0	897.8	898.6	899.3	899.9	900.5	901.2	901.7	901.7	901.7
147.5°	938.2	938.6	939.0	939.4	940.0	940.4	940.8	941.4	941.8	942.4	942.8
150°	965.7	965.5	965.3	965.1	965.4	966.2	967.0	967.8	968.6	968.6	968.6
152.5°	989.3	989.5	989.9	990.2	990.4	990.8	991.0	991.4	991.8	992.2	992.7
155°	1024.6	1024.6	1024.6	1024.6	1024.7	1024.9	1025.1	1025.3	1025.6	1026.4	1027.2
157.5°	1056.0	1055.5	1055.1	1054.6	1054.5	1054.7	1054.9	1055.2	1055.3	1056.1	1056.9
160°	1074.6	1074.0	1073.4	1072.8	1072.6	1072.8	1073.0	1073.2	1073.4	1074.2	1075.0
162.5°	1091.4	1090.9	1090.5	1090.0	1089.8	1089.9	1089.9	1090.0	1090.0	1091.0	1092.0
165°	1113.7	1113.2	1112.9	1112.4	1112.3	1112.6	1112.8	1112.9	1113.1	1113.9	1114.7
167.5°	1132.0	1131.2	1130.4	1129.6	1129.3	1129.3	1129.3	1129.3	1129.3	1130.4	1131.7
170°	1142.2	1141.4	1140.6	1139.8	1139.3	1139.3	1139.3	1139.3	1139.3	1140.6	1141.7
172.5°	1149.4	1148.6	1147.8	1147.0	1146.6	1146.6	1146.6	1146.6	1146.6	1147.8	1149.0
175°	1157.5	1156.7	1155.9	1155.1	1154.7	1154.7	1154.7	1154.7	1154.7	1155.9	1157.1
177.5°	1161.8	1161.2	1160.6	1159.9	1159.5	1159.3	1159.2	1159.0	1158.9	1159.8	1160.8
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1530.2	1530.2	1538.4	1537.8	1543.2	1541.2	1542.2
5°	1644.8	1655.1	1664.1	1670.2	1679.2	1681.6	1680.3
7.5°	1763.8	1786.5	1797.6	1812.8	1815.5	1823.5	1822.7
10°	1837.5	1859.8	1876.6	1889.8	1896.4	1904.9	1905.5
12.5°	1895.2	1914.1	1929.0	1941.3	1949.4	1952.0	1953.6
15°	1940.4	1961.4	1978.9	1996.4	2006.6	2014.4	2018.7
17.5°	1985.8	2018.4	2049.2	2072.9	2087.1	2099.2	2099.0
20°	2021.1	2058.3	2096.9	2124.0	2151.6	2163.6	2165.4
22.5°	2058.6	2115.7	2165.3	2207.3	2243.5	2256.1	2260.8
25°	2136.5	2211.2	2287.7	2346.6	2388.7	2413.4	2417.1
27.5°	2230.8	2331.8	2412.3	2466.7	2501.7	2520.0	2523.9
30°	2297.3	2390.6	2462.8	2503.7	2520.0	2522.4	2513.4
32.5°	2327.1	2396.8	2425.7	2423.3	2391.4	2370.3	2362.1
35°	2290.6	2276.2	2205.8	2121.6	2057.2	2016.2	2005.4
37.5°	2084.6	1960.0	1830.5	1703.2	1635.4	1600.9	1541.7
40°	1881.4	1703.9	1569.1	1461.9	1385.5	1324.1	1309.7
42.5°	1652.3	1468.9	1334.1	1242.3	1181.3	1139.2	1120.9
45°	1327.7	1170.0	1058.6	988.3	941.3	910.6	896.8
47.5°	1061.9	939.9	858.7	806.6	770.9	744.1	736.6
50°	916.1	818.5	749.9	706.0	678.9	658.4	650.0
52.5°	795.7	716.9	664.2	627.9	602.4	589.6	582.6
55°	656.7	588.6	550.7	521.8	507.4	497.1	492.3
57.5°	537.0	487.9	460.2	440.2	426.9	420.4	417.9
60°	470.0	431.5	406.3	390.6	381.6	373.2	370.8
62.5°	410.8	380.5	361.0	347.2	338.2	334.7	333.1
65°	331.0	311.1	296.7	288.3	281.1	279.8	279.3
67.5°	263.1	251.5	243.9	235.1	232.6	228.4	227.5
70°	225.1	217.3	208.2	205.3	202.2	198.0	198.6
72.5°	190.9	183.1	176.9	173.0	171.9	170.0	171.7
75°	139.6	137.2	134.8	131.8	130.6	130.6	130.0
77.5°	99.7	97.6	95.0	93.2	92.8	90.2	91.2
80°	72.2	69.2	68.0	68.6	66.8	66.2	66.2
82.5°	53.4	52.3	51.2	51.3	50.9	50.3	50.8
85°	29.5	28.9	28.9	28.3	28.3	27.6	27.6
87.5°	14.1	14.8	14.0	13.6	13.7	14.4	14.9
90°	17.5	18.5	19.3	19.9	20.5	21.0	21.7
92.5°	38.7	40.0	40.8	41.3	41.7	42.2	42.6
95°	73.7	75.2	76.1	76.5	76.9	77.3	77.7
97.5°	114.8	116.1	116.8	117.1	117.3	117.6	117.8
100°	143.7	145.4	146.6	147.0	147.4	147.8	148.2
102.5°	173.1	175.0	176.3	176.8	177.5	178.0	178.5
105°	219.5	220.8	221.7	222.3	222.8	223.5	224.1
107.5°	270.0	270.5	270.9	270.8	270.8	270.7	270.7
110°	305.4	306.0	306.2	306.0	305.8	305.6	305.4



TEST NUMBER: P333709-940

CATALOG NUMBER: S125RDIW-S1090D1050U940-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	340.5	340.8	340.8	340.5	340.1	339.7	339.4
115°	394.2	394.0	393.9	393.6	393.4	393.2	393.1
117.5°	448.8	449.0	448.6	447.8	447.0	446.2	445.4
120°	485.2	485.2	484.8	484.0	483.2	482.4	481.6
122.5°	520.8	520.7	520.3	519.7	519.0	518.4	517.7
125°	573.5	573.0	572.7	572.6	572.3	572.1	571.9
127.5°	626.1	625.9	625.6	625.2	624.8	624.4	624.0
130°	660.8	660.6	660.3	659.9	659.5	659.1	658.7
132.5°	694.0	693.8	693.5	692.9	692.3	691.8	691.2
135°	745.4	745.4	745.0	744.2	743.4	742.6	741.8
137.5°	795.5	795.7	795.3	794.3	793.4	792.3	791.3
140°	827.1	827.4	827.2	826.2	825.1	824.1	823.1
142.5°	857.6	857.9	857.5	856.5	855.5	854.5	853.5
145°	901.7	901.7	901.4	900.8	900.2	899.6	899.0
147.5°	943.3	943.8	943.3	942.0	940.6	939.2	937.9
150°	968.6	968.6	968.4	968.0	967.6	967.1	966.8
152.5°	993.2	993.6	993.5	992.8	992.1	991.3	990.6
155°	1028.0	1028.8	1028.6	1027.6	1026.6	1025.6	1024.6
157.5°	1057.7	1058.5	1058.3	1056.9	1055.6	1054.3	1053.0
160°	1075.8	1076.7	1076.5	1075.5	1074.5	1073.5	1072.5
162.5°	1092.9	1093.9	1093.8	1092.6	1091.5	1090.3	1089.1
165°	1115.5	1116.3	1116.2	1115.0	1113.7	1112.6	1111.3
167.5°	1132.8	1134.1	1134.1	1132.8	1131.6	1130.3	1129.1
170°	1143.0	1144.2	1144.1	1142.6	1141.3	1139.9	1138.4
172.5°	1150.2	1151.4	1151.4	1150.1	1148.9	1147.6	1146.4
175°	1158.3	1159.6	1159.4	1158.1	1156.6	1155.2	1153.8
177.5°	1161.8	1162.7	1162.6	1161.5	1160.4	1159.3	1158.2
180°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0

(END OF REPORT)