

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: P333268-927

Luminaire Tested: **S125DIP-S1090D810U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333268-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1090D810U927-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6122.8 lumens
Efficiency: N/A
Efficacy: 112.6 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

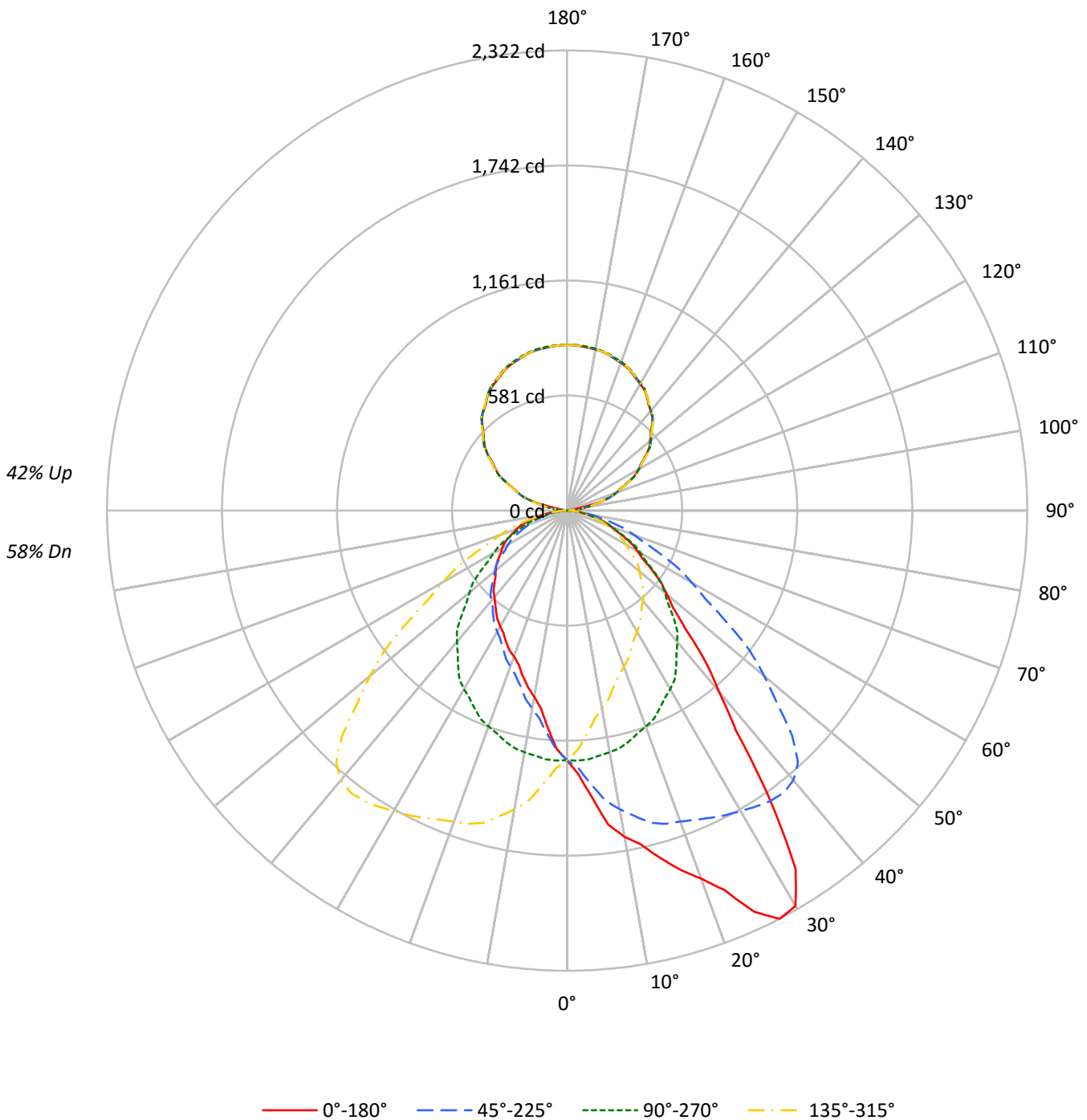
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333268-927

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	77	75	73	67	65	63	57	55	54	49
2	91	84	78	73	85	78	73	68	68	64	61	59	56	53	50	48	46	42
3	83	74	67	61	77	69	63	57	60	55	51	52	48	45	45	42	39	36
4	76	65	58	52	71	61	54	49	54	48	44	47	42	39	40	37	34	31
5	70	58	50	44	65	55	48	42	48	42	38	42	37	34	36	33	30	27
6	65	53	44	39	60	49	42	37	43	38	33	38	33	30	33	29	26	24
7	60	47	39	34	56	45	37	32	39	34	29	35	30	26	30	26	23	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	23	27	24	21	19
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	22	19	17
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8136	8136	8136	8136
5°	9422	8163	7148	8163
10°	10961	8121	6263	8121
15°	12133	8062	5777	8062
20°	13582	7967	5388	7967
25°	15911	7860	5197	7860
30°	17186	7756	5032	7756
35°	14130	7559	4924	7559
40°	10044	7284	4806	7284
45°	7716	6915	4737	6915
50°	6586	6457	4728	6457
55°	5864	6008	4769	6008
60°	5291	5518	4890	5518
65°	4886	5025	5017	5025
70°	4443	4513	5089	4513
75°	3923	3975	5043	3975
80°	3299	3239	4616	3239
85°	2616	2334	3720	2334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.0
10°-20°	361.1	5.9
20°-30°	586.3	9.6
30°-40°	715.2	11.7
40°-50°	650.6	10.6
50°-60°	518.2	8.5
60°-70°	361.0	5.9
70°-80°	192.5	3.1
80°-90°	50.3	0.8
90°-100°	30.4	0.5
100°-110°	187.2	3.1
110°-120°	339.5	5.5
120°-130°	435.7	7.1
130°-140°	468.6	7.7
140°-150°	439.8	7.2
150°-160°	355.8	5.8
160°-170°	230.1	3.8
170°-180°	79.4	1.3
0°-30°	1068.7	17.5
0°-40°	1783.8	29.1
0°-60°	2952.7	48.2
0°-90°	3556.4	58.1
90°-120°	557.0	9.1
90°-150°	1901.1	31.0
90°-180°	2566.0	41.9
0°-180°	6122.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1260	1260	1260	1260	1260	
5°	1453	1259	1102	1259	1453	146
15°	1815	1206	864	1206	1815	519
25°	2233	1103	729	1103	2233	1020
35°	1792	959	624	959	1792	1097
45°	845	757	519	757	845	676
55°	521	534	424	534	521	469
65°	320	329	328	329	320	317
75°	157	159	202	159	157	169
85°	35	32	50	32	35	41
90°	15	1	15	1	15	8
95°	13	35	13	35	13	11
105°	184	182	184	182	184	166
115°	340	342	340	342	340	337
125°	486	486	486	486	486	433
135°	604	606	604	606	604	466
145°	701	703	701	703	701	438
155°	769	774	769	774	769	354
165°	813	817	813	817	813	229
175°	832	836	832	836	832	79
180°	836	836	836	836	836	



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1332.5	1330.7	1329.0	1325.6	1328.2	1320.9	1317.5	1311.5	1304.2	1301.6	1298.6
5°	1453.3	1456.0	1458.6	1447.4	1448.4	1441.0	1423.9	1409.9	1398.8	1384.3	1374.1
7.5°	1598.7	1592.4	1591.9	1584.6	1572.1	1562.0	1544.0	1521.1	1499.0	1473.8	1452.9
10°	1671.4	1672.0	1667.1	1658.6	1645.2	1635.6	1612.1	1589.6	1562.3	1530.3	1507.3
12.5°	1726.2	1728.4	1722.4	1710.8	1704.2	1682.7	1664.3	1637.5	1605.1	1579.5	1544.5
15°	1814.7	1808.9	1804.6	1790.1	1778.9	1756.4	1727.0	1699.2	1663.9	1631.3	1598.7
17.5°	1900.0	1904.7	1896.7	1883.6	1848.7	1822.5	1783.0	1745.0	1701.1	1657.3	1618.3
20°	1976.2	1980.5	1968.2	1945.2	1903.5	1877.3	1825.4	1776.2	1725.5	1669.3	1626.5
22.5°	2071.2	2067.8	2051.1	2016.2	1980.1	1931.6	1875.5	1815.6	1751.9	1688.5	1631.7
25°	2232.8	2210.3	2200.2	2157.0	2109.3	2038.2	1961.2	1873.5	1794.4	1710.5	1637.8
27.5°	2322.4	2315.4	2304.1	2273.9	2223.9	2147.8	2057.1	1950.2	1838.6	1732.6	1637.4
30°	2304.5	2305.6	2306.6	2297.0	2264.9	2207.7	2117.3	2002.4	1869.8	1750.6	1640.4
32.5°	2145.4	2164.8	2183.4	2205.4	2214.5	2203.5	2146.9	2043.0	1906.5	1771.1	1638.7
35°	1792.2	1798.2	1858.5	1918.4	1999.7	2062.8	2105.1	2059.0	1944.1	1788.5	1636.6
37.5°	1397.5	1426.3	1468.2	1535.8	1653.1	1758.2	1893.2	1955.3	1918.3	1794.2	1632.9
40°	1191.3	1218.0	1245.3	1314.2	1413.2	1540.4	1693.8	1824.9	1855.4	1776.2	1620.1
42.5°	1032.1	1053.4	1083.6	1135.4	1218.1	1330.9	1477.4	1648.6	1754.0	1724.0	1593.2
45°	844.8	858.2	881.7	922.9	982.8	1071.0	1200.4	1387.5	1550.6	1604.6	1529.2
47.5°	723.1	723.0	741.3	769.8	812.9	887.9	983.6	1130.2	1304.4	1433.3	1427.3
50°	655.5	652.8	667.3	691.9	726.1	775.9	867.3	984.4	1151.7	1297.7	1338.3
52.5°	597.4	597.7	606.6	624.7	653.4	695.9	764.1	869.7	1012.7	1162.5	1239.1
55°	520.8	518.6	528.8	541.1	562.0	589.8	639.0	719.7	835.7	983.3	1082.8
57.5°	450.6	456.5	460.6	469.1	486.5	505.1	546.5	605.8	697.8	824.5	929.6
60°	409.6	415.4	418.7	427.2	441.1	457.2	489.3	537.3	614.9	724.0	828.2
62.5°	372.8	377.4	378.4	386.1	397.5	413.1	438.3	478.8	540.0	635.4	737.5
65°	319.7	319.7	321.9	329.9	335.3	349.1	368.4	397.8	447.0	521.3	608.5
67.5°	268.6	271.2	270.7	274.2	279.1	289.9	303.7	328.0	364.4	418.7	488.4
70°	235.3	237.4	236.9	239.6	244.9	251.8	263.1	286.1	312.3	358.8	418.7
72.5°	205.3	206.2	204.8	208.3	211.5	217.6	230.1	242.4	266.9	306.2	355.4
75°	157.2	158.3	159.3	161.4	164.7	167.9	174.3	186.6	202.6	232.0	263.6
77.5°	117.9	115.8	118.4	118.0	119.9	122.3	128.0	134.5	147.7	166.3	190.7
80°	88.7	89.3	89.3	89.8	92.5	94.1	98.9	103.7	113.9	127.8	144.9
82.5°	64.8	66.2	65.4	66.3	68.5	69.7	72.4	76.4	82.2	93.2	105.5
85°	35.3	32.6	33.7	34.8	34.8	35.3	37.4	39.1	42.2	46.5	51.3
87.5°	13.2	14.0	14.3	14.3	14.7	14.5	16.1	15.9	17.1	18.2	19.7
90°	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.3	10.6	9.9	9.0
92.5°	13.9	13.7	13.5	13.3	13.1	12.7	12.0	11.3	10.6	9.9	9.0
95°	13.0	13.0	13.0	13.0	13.0	12.7	12.0	11.3	10.6	9.9	15.1
97.5°	13.0	13.0	13.0	13.0	13.0	15.0	18.9	22.7	26.6	30.5	40.8
100°	13.0	13.5	14.1	14.7	15.2	25.7	46.3	66.8	87.3	107.8	107.3
102.5°	78.0	87.3	96.6	106.0	115.4	122.0	125.9	129.8	133.6	137.5	137.2
105°	184.0	184.1	184.3	184.4	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.0	232.3	232.7	233.2	233.6	233.8	233.8	233.8	233.7	233.7	233.4
110°	265.1	265.0	264.9	264.7	264.6	264.7	265.1	265.5	266.0	266.4	266.1



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	294.9	295.1	295.2	295.5	295.6	296.0	296.5	297.1	297.6	298.1	297.9
115°	339.5	340.3	341.1	342.0	342.8	343.5	344.0	344.6	345.2	345.7	345.5
117.5°	387.1	387.5	387.8	388.2	388.5	389.0	389.8	390.5	391.2	391.9	391.4
120°	416.3	417.0	417.7	418.4	419.1	419.5	419.9	420.1	420.4	420.6	420.3
122.5°	444.1	444.9	445.7	446.5	447.3	447.8	448.1	448.4	448.6	448.9	448.7
125°	486.3	486.7	487.1	487.6	488.0	488.5	489.0	489.6	490.1	490.7	490.7
127.5°	521.9	522.9	523.9	525.0	525.9	526.6	527.0	527.2	527.5	527.8	527.9
130°	547.6	548.3	549.1	549.7	550.4	551.0	551.4	551.8	552.2	552.6	552.5
132.5°	571.5	572.1	572.8	573.5	574.2	574.6	574.6	574.7	574.8	574.9	575.2
135°	604.0	604.8	605.7	606.5	607.4	607.9	608.2	608.5	608.7	609.0	609.3
137.5°	636.8	637.5	638.2	638.9	639.6	639.9	639.8	639.8	639.8	639.7	640.0
140°	656.1	656.9	657.7	658.5	659.4	659.7	659.4	659.1	658.9	658.5	658.7
142.5°	674.4	675.3	676.0	676.9	677.7	678.1	678.0	678.0	677.9	677.9	677.7
145°	701.3	702.1	703.0	703.8	704.6	705.0	704.8	704.6	704.6	704.4	704.4
147.5°	723.5	724.5	725.5	726.4	727.5	727.9	727.7	727.5	727.4	727.2	727.1
150°	737.8	738.9	740.1	741.2	742.3	742.7	742.4	742.1	741.9	741.6	741.3
152.5°	751.2	752.3	753.2	754.2	755.2	755.6	755.3	755.0	754.7	754.5	754.2
155°	768.8	769.9	771.0	772.1	773.2	773.6	773.2	772.8	772.3	771.9	771.7
157.5°	783.5	784.7	785.8	786.9	788.0	788.3	787.9	787.4	787.0	786.6	786.5
160°	793.0	794.1	795.2	796.3	797.4	797.6	797.1	796.5	796.0	795.4	795.4
162.5°	801.5	802.6	803.8	805.0	806.3	806.4	805.7	804.9	804.1	803.4	803.3
165°	812.8	813.9	815.0	816.1	817.2	817.4	816.5	815.7	814.9	814.0	813.9
167.5°	820.8	822.0	823.2	824.4	825.7	825.9	824.8	823.9	822.8	821.9	821.7
170°	825.2	826.4	827.7	828.9	830.1	830.2	829.1	828.0	827.0	825.9	825.7
172.5°	828.1	829.4	830.7	831.9	833.1	833.3	832.3	831.2	830.3	829.3	829.0
175°	832.0	833.3	834.5	835.8	836.9	837.0	835.9	834.8	833.8	832.7	832.5
177.5°	834.2	835.1	836.0	836.9	837.8	837.8	837.0	836.3	835.5	834.7	834.6
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1296.1	1293.1	1289.7	1283.7	1276.4	1272.6	1266.5	1262.7	1255.0	1248.6	1241.7
5°	1361.8	1348.0	1335.1	1318.5	1300.4	1288.6	1274.7	1259.2	1243.2	1226.5	1208.4
7.5°	1430.0	1405.3	1378.6	1349.9	1321.8	1295.9	1271.1	1246.9	1224.2	1196.8	1173.6
10°	1475.8	1444.7	1411.6	1372.5	1334.6	1301.4	1267.7	1238.3	1208.4	1176.3	1148.0
12.5°	1521.5	1480.2	1433.4	1390.5	1344.8	1304.8	1265.2	1227.6	1190.0	1154.5	1121.4
15°	1553.8	1517.4	1474.1	1413.2	1361.8	1306.8	1254.3	1205.7	1160.2	1120.7	1079.0
17.5°	1575.1	1528.2	1481.7	1423.2	1356.0	1294.3	1235.0	1179.3	1128.1	1077.9	1037.7
20°	1578.9	1530.8	1482.2	1424.9	1356.0	1285.4	1226.1	1159.2	1104.1	1052.3	1003.1
22.5°	1577.6	1523.1	1470.1	1411.3	1344.0	1279.0	1207.2	1139.1	1079.3	1028.3	977.0
25°	1565.6	1507.3	1441.0	1381.6	1315.3	1246.3	1173.6	1103.0	1042.1	983.8	933.0
27.5°	1555.5	1479.9	1404.9	1335.6	1271.6	1208.4	1138.8	1066.5	998.9	939.8	892.0
30°	1543.1	1460.2	1375.7	1303.5	1237.8	1176.3	1110.6	1040.0	969.4	911.6	860.3
32.5°	1532.0	1435.4	1346.2	1267.7	1198.0	1138.2	1077.6	1010.4	941.1	882.6	831.2
35°	1510.5	1398.8	1296.6	1207.8	1133.5	1072.1	1021.3	958.7	895.1	838.4	789.2
37.5°	1483.2	1350.6	1241.0	1148.0	1066.5	1001.7	954.4	906.4	845.3	790.7	746.2
40°	1461.8	1316.4	1200.4	1105.2	1020.7	953.3	909.5	864.0	813.3	762.5	715.4
42.5°	1434.9	1285.6	1159.3	1056.9	973.2	907.6	861.6	823.0	778.2	730.8	687.1
45°	1385.4	1229.8	1092.9	982.8	898.3	833.5	786.0	757.1	723.4	678.5	641.6
47.5°	1312.6	1162.7	1021.1	907.4	820.3	760.3	715.7	688.0	664.3	630.9	597.5
50°	1247.9	1112.7	969.4	856.6	769.4	709.0	667.8	642.7	622.3	596.7	568.4
52.5°	1175.7	1049.8	918.5	806.9	720.6	661.1	620.8	598.7	581.7	563.3	535.4
55°	1060.8	953.9	831.9	726.1	646.4	588.1	552.9	533.6	519.8	505.8	488.7
57.5°	934.3	850.6	742.7	645.9	572.5	519.5	486.6	467.9	457.0	449.9	439.8
60°	845.3	773.7	680.6	592.4	520.8	473.7	441.6	427.2	418.1	412.3	404.7
62.5°	762.8	703.9	617.7	537.3	474.6	430.1	401.5	387.5	378.7	375.9	369.7
65°	641.1	595.6	524.5	457.7	404.3	366.2	342.2	328.8	323.4	320.3	320.8
67.5°	521.2	493.5	436.4	379.4	336.8	304.9	285.7	275.4	272.7	268.4	268.3
70°	448.1	427.2	379.1	329.4	291.4	266.8	249.7	239.0	236.3	234.2	233.7
72.5°	383.5	365.2	323.4	283.6	249.5	227.9	213.7	207.3	203.0	201.7	201.6
75°	288.2	278.1	244.9	213.3	189.8	174.8	165.2	159.3	156.1	155.6	156.1
77.5°	204.9	196.0	174.9	152.6	137.8	126.4	118.3	116.2	112.6	112.7	112.2
80°	154.0	148.1	134.8	117.1	104.8	95.1	90.9	87.1	86.1	84.4	86.1
82.5°	111.6	105.4	96.3	85.0	74.9	69.1	64.8	63.6	63.0	62.3	62.6
85°	55.1	55.6	50.2	41.7	37.4	34.2	31.5	31.5	31.0	30.5	31.0
87.5°	20.4	19.4	17.4	16.0	13.6	12.1	11.5	11.6	10.6	10.4	11.0
90°	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6	1.7	2.9	4.0
92.5°	8.2	7.4	6.5	6.5	7.2	8.0	8.8	9.5	8.8	8.0	7.2
95°	20.4	25.6	30.8	33.7	34.1	34.5	34.9	35.3	34.9	34.5	34.1
97.5°	51.2	61.6	71.9	76.7	76.0	75.2	74.5	73.8	74.5	75.2	76.0
100°	106.7	106.2	105.6	105.1	104.7	104.3	103.9	103.5	103.9	104.3	104.7
102.5°	136.9	136.6	136.2	135.8	135.2	134.8	134.2	133.7	134.2	134.8	135.2
105°	184.6	184.6	184.6	184.3	183.8	183.2	182.7	182.1	182.7	183.2	183.8
107.5°	233.1	232.8	232.6	232.4	232.4	232.4	232.4	232.4	232.4	232.4	232.4
110°	265.9	265.5	265.3	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	297.8	297.6	297.5	297.2	296.9	296.5	296.2	295.9	296.2	296.5	296.9
115°	345.4	345.3	345.2	344.8	344.0	343.3	342.7	342.0	342.7	343.3	344.0
117.5°	390.9	390.3	389.8	389.6	389.6	389.6	389.7	389.7	389.7	389.6	389.6
120°	419.9	419.4	419.0	418.8	419.0	419.1	419.3	419.4	419.3	419.1	419.0
122.5°	448.5	448.3	448.1	447.7	447.3	446.7	446.2	445.7	446.2	446.7	447.3
125°	490.7	490.7	490.7	490.2	489.3	488.2	487.3	486.3	487.3	488.2	489.3
127.5°	528.0	528.1	528.1	527.8	527.2	526.5	525.8	525.1	525.8	526.5	527.2
130°	552.3	552.2	552.1	551.7	551.0	550.2	549.6	548.9	549.6	550.2	551.0
132.5°	575.5	575.8	576.2	575.9	575.0	574.3	573.5	572.7	573.5	574.3	575.0
135°	609.5	609.8	610.1	609.8	609.0	608.2	607.4	606.5	607.4	608.2	609.0
137.5°	640.2	640.5	640.7	640.5	639.8	639.1	638.3	637.6	638.3	639.1	639.8
140°	658.9	658.9	659.1	659.0	658.8	658.5	658.2	657.9	658.2	658.5	658.8
142.5°	677.5	677.3	677.1	676.9	676.8	676.6	676.4	676.3	676.4	676.6	676.8
145°	704.4	704.4	704.4	704.3	704.0	703.7	703.5	703.1	703.5	703.7	704.0
147.5°	726.8	726.7	726.5	726.5	726.5	726.6	726.7	726.7	726.7	726.6	726.5
150°	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6	741.3	741.0	740.8
152.5°	753.9	753.6	753.4	753.5	754.2	754.7	755.3	756.0	755.3	754.7	754.2
155°	771.3	771.1	770.8	771.1	771.9	772.8	773.6	774.4	773.6	772.8	771.9
157.5°	786.5	786.5	786.4	786.6	787.2	787.7	788.1	788.6	788.1	787.7	787.2
160°	795.2	795.0	795.0	795.3	796.1	796.9	797.7	798.6	797.7	796.9	796.1
162.5°	803.1	803.0	802.9	803.2	804.0	804.9	805.6	806.5	805.6	804.9	804.0
165°	813.8	813.7	813.5	813.8	814.7	815.5	816.3	817.1	816.3	815.5	814.7
167.5°	821.6	821.4	821.3	821.7	822.5	823.4	824.3	825.1	824.3	823.4	822.5
170°	825.5	825.4	825.3	825.7	826.6	827.6	828.5	829.6	828.5	827.6	826.6
172.5°	828.8	828.5	828.3	828.6	829.7	830.6	831.6	832.5	831.6	830.6	829.7
175°	832.3	832.2	832.1	832.4	833.3	834.1	834.9	835.8	834.9	834.1	833.3
177.5°	834.5	834.4	834.3	834.6	835.3	835.9	836.5	837.3	836.5	835.9	835.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1237.9	1233.2	1229.3	1220.8	1216.1	1209.7	1204.5	1210.1	1204.1	1206.7	1202.8
5°	1199.3	1184.3	1173.6	1158.1	1144.8	1132.4	1123.4	1121.7	1117.5	1115.3	1108.9
7.5°	1152.9	1134.2	1115.8	1095.4	1078.3	1060.9	1049.8	1040.6	1034.5	1026.5	1021.0
10°	1125.5	1100.3	1079.0	1054.4	1033.0	1014.3	999.3	991.8	984.9	974.7	971.0
12.5°	1091.7	1065.7	1039.7	1013.4	992.8	971.9	959.1	947.8	942.9	931.5	930.3
15°	1051.2	1012.2	986.5	959.7	931.4	914.3	903.6	891.3	886.0	878.0	872.0
17.5°	1002.8	968.0	935.9	908.2	883.9	869.5	856.3	847.8	838.6	833.4	823.7
20°	967.8	934.6	902.5	873.1	854.4	837.8	827.1	819.1	809.5	806.8	797.3
22.5°	938.3	901.7	870.9	846.2	825.8	807.1	795.5	790.0	783.4	775.2	773.2
25°	890.3	852.3	826.1	801.5	783.3	766.2	758.2	751.2	744.8	738.9	736.8
27.5°	848.7	814.8	783.7	761.5	745.7	730.1	723.0	714.5	709.9	705.1	699.3
30°	819.7	784.9	757.6	736.3	719.1	705.3	697.8	691.9	687.6	683.3	680.1
32.5°	789.7	757.6	731.1	710.2	693.1	682.5	676.0	671.8	667.1	661.9	657.9
35°	750.2	714.9	689.2	671.1	657.7	649.7	642.1	638.4	633.0	633.0	628.8
37.5°	705.6	675.1	652.4	635.9	623.8	616.7	608.6	606.0	602.6	600.3	598.8
40°	679.1	650.7	629.3	612.8	599.9	594.1	587.6	583.4	581.2	578.5	577.4
42.5°	651.6	624.6	604.1	588.8	577.7	572.7	566.6	563.6	559.4	555.9	555.2
45°	610.1	583.8	565.1	552.9	543.2	537.3	533.6	527.2	525.1	520.8	520.2
47.5°	570.6	545.5	527.1	517.1	508.6	503.7	497.9	491.5	489.0	486.9	486.6
50°	541.1	518.1	501.0	491.4	483.4	476.4	470.6	466.3	464.6	464.6	465.7
52.5°	511.2	491.5	477.1	465.2	457.7	450.3	444.9	442.3	439.8	442.4	444.3
55°	467.3	447.5	436.8	425.6	418.1	409.6	406.9	405.8	404.3	408.5	410.7
57.5°	420.9	407.0	394.5	383.3	376.6	371.7	368.0	367.4	370.4	372.5	379.4
60°	391.4	375.3	364.1	355.5	347.5	344.4	343.3	342.2	344.4	350.2	359.3
62.5°	358.9	345.9	333.7	327.3	321.5	316.1	315.9	316.6	320.8	327.6	336.6
65°	311.2	299.9	291.9	284.5	279.6	276.4	277.5	279.6	284.5	293.5	303.7
67.5°	262.8	255.1	247.9	241.8	237.2	237.2	238.3	241.5	247.2	257.6	266.9
70°	231.6	223.0	217.1	214.4	210.6	208.5	211.8	217.1	221.9	231.6	239.6
72.5°	200.3	193.1	188.5	186.6	185.0	183.3	184.3	190.1	196.6	206.3	215.6
75°	154.0	151.3	148.1	146.0	144.3	145.4	146.5	151.9	157.2	167.4	178.1
77.5°	112.4	109.6	107.7	107.2	106.3	106.9	109.8	113.8	119.0	126.4	134.5
80°	85.0	84.0	82.9	82.3	82.3	82.9	87.1	89.8	94.7	101.6	108.0
82.5°	61.9	61.2	61.1	60.9	61.4	61.5	64.1	67.6	71.5	76.8	82.3
85°	32.6	31.5	33.1	33.7	32.6	34.2	35.3	37.4	39.1	41.7	44.4
87.5°	11.7	12.8	12.5	13.2	13.3	14.4	14.1	15.9	17.0	17.9	17.6
90°	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.3	12.0	12.7	13.2
92.5°	6.5	6.5	7.4	8.2	9.0	9.9	10.6	11.3	12.0	12.7	13.1
95°	33.7	30.8	25.6	20.4	15.1	9.9	10.6	11.3	12.0	12.7	13.0
97.5°	76.7	71.9	61.6	51.2	40.8	30.5	26.6	22.7	18.9	15.0	13.0
100°	105.1	105.6	106.2	106.7	107.3	107.8	87.3	66.8	46.3	25.7	15.2
102.5°	135.8	136.2	136.6	136.9	137.2	137.5	133.6	129.8	125.9	122.0	115.4
105°	184.3	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.4	232.6	232.8	233.1	233.4	233.7	233.7	233.8	233.8	233.8	233.6
110°	265.1	265.3	265.5	265.9	266.1	266.4	266.0	265.5	265.1	264.7	264.6



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	297.2	297.5	297.6	297.8	297.9	298.1	297.6	297.1	296.5	296.0	295.6
115°	344.8	345.2	345.3	345.4	345.5	345.7	345.2	344.6	344.0	343.5	342.8
117.5°	389.6	389.8	390.3	390.9	391.4	391.9	391.2	390.5	389.8	389.0	388.5
120°	418.8	419.0	419.4	419.9	420.3	420.6	420.4	420.1	419.9	419.5	419.1
122.5°	447.7	448.1	448.3	448.5	448.7	448.9	448.6	448.4	448.1	447.8	447.3
125°	490.2	490.7	490.7	490.7	490.7	490.7	490.1	489.6	489.0	488.5	488.0
127.5°	527.8	528.1	528.1	528.0	527.9	527.8	527.5	527.2	527.0	526.6	525.9
130°	551.7	552.1	552.2	552.3	552.5	552.6	552.2	551.8	551.4	551.0	550.4
132.5°	575.9	576.2	575.8	575.5	575.2	574.9	574.8	574.7	574.6	574.6	574.2
135°	609.8	610.1	609.8	609.5	609.3	609.0	608.7	608.5	608.2	607.9	607.4
137.5°	640.5	640.7	640.5	640.2	640.0	639.7	639.8	639.8	639.8	639.9	639.6
140°	659.0	659.1	658.9	658.9	658.7	658.5	658.9	659.1	659.4	659.7	659.4
142.5°	676.9	677.1	677.3	677.5	677.7	677.9	677.9	678.0	678.0	678.1	677.7
145°	704.3	704.4	704.4	704.4	704.4	704.4	704.6	704.6	704.8	705.0	704.6
147.5°	726.5	726.5	726.7	726.8	727.1	727.2	727.4	727.5	727.7	727.9	727.5
150°	740.5	740.5	740.8	741.0	741.3	741.6	741.9	742.1	742.4	742.7	742.3
152.5°	753.5	753.4	753.6	753.9	754.2	754.5	754.7	755.0	755.3	755.6	755.2
155°	771.1	770.8	771.1	771.3	771.7	771.9	772.3	772.8	773.2	773.6	773.2
157.5°	786.6	786.4	786.5	786.5	786.5	786.6	787.0	787.4	787.9	788.3	788.0
160°	795.3	795.0	795.0	795.2	795.4	795.4	796.0	796.5	797.1	797.6	797.4
162.5°	803.2	802.9	803.0	803.1	803.3	803.4	804.1	804.9	805.7	806.4	806.3
165°	813.8	813.5	813.7	813.8	813.9	814.0	814.9	815.7	816.5	817.4	817.2
167.5°	821.7	821.3	821.4	821.6	821.7	821.9	822.8	823.9	824.8	825.9	825.7
170°	825.7	825.3	825.4	825.5	825.7	825.9	827.0	828.0	829.1	830.2	830.1
172.5°	828.6	828.3	828.5	828.8	829.0	829.3	830.3	831.2	832.3	833.3	833.1
175°	832.4	832.1	832.2	832.3	832.5	832.7	833.8	834.8	835.9	837.0	836.9
177.5°	834.6	834.3	834.4	834.5	834.6	834.7	835.5	836.3	837.0	837.8	837.8
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1200.2	1203.2	1200.7	1204.1	1200.7	1203.2	1200.2	1202.8	1206.7	1204.1	1210.1
5°	1106.3	1101.5	1104.6	1102.5	1104.6	1101.5	1106.3	1108.9	1115.3	1117.5	1121.7
7.5°	1019.5	1014.9	1009.6	1007.1	1009.6	1014.9	1019.5	1021.0	1026.5	1034.5	1040.6
10°	965.1	959.3	958.7	955.0	958.7	959.3	965.1	971.0	974.7	984.9	991.8
12.5°	925.3	919.9	913.8	912.2	913.8	919.9	925.3	930.3	931.5	942.9	947.8
15°	868.9	864.6	860.9	864.0	860.9	864.6	868.9	872.0	878.0	886.0	891.3
17.5°	821.9	818.4	817.8	813.8	817.8	818.4	821.9	823.7	833.4	838.6	847.8
20°	792.4	789.7	790.8	783.9	790.8	789.7	792.4	797.3	806.8	809.5	819.1
22.5°	768.9	763.7	763.0	761.6	763.0	763.7	768.9	773.2	775.2	783.4	790.0
25°	732.0	729.3	726.7	729.3	726.7	729.3	732.0	736.8	738.9	744.8	751.2
27.5°	699.8	696.6	695.9	696.2	695.9	696.6	699.8	699.3	705.1	709.9	714.5
30°	680.1	674.8	675.3	674.8	675.3	674.8	680.1	680.1	683.3	687.6	691.9
32.5°	658.7	655.1	654.3	653.4	654.3	655.1	658.7	657.9	661.9	667.1	671.8
35°	627.2	627.2	624.5	624.5	624.5	627.2	627.2	628.8	633.0	633.0	638.4
37.5°	597.5	597.0	595.4	595.6	595.4	597.0	597.5	598.8	600.3	602.6	606.0
40°	575.3	574.8	573.1	570.0	573.1	574.8	575.3	577.4	578.5	581.2	583.4
42.5°	553.9	552.2	551.4	550.3	551.4	552.2	553.9	555.2	555.9	559.4	563.6
45°	520.2	520.2	519.2	518.6	519.2	520.2	520.2	520.2	520.8	525.1	527.2
47.5°	487.5	488.5	490.5	490.2	490.5	488.5	487.5	486.6	486.9	489.0	491.5
50°	467.9	468.4	470.0	470.6	470.0	468.4	467.9	465.7	464.6	464.6	466.3
52.5°	446.0	449.2	451.1	450.8	451.1	449.2	446.0	444.3	442.4	439.8	442.3
55°	415.4	419.2	422.9	423.5	422.9	419.2	415.4	410.7	408.5	404.3	405.8
57.5°	385.2	390.4	394.3	395.7	394.3	390.4	385.2	379.4	372.5	370.4	367.4
60°	364.6	371.6	376.4	378.6	376.4	371.6	364.6	359.3	350.2	344.4	342.2
62.5°	345.0	352.8	357.6	358.0	357.6	352.8	345.0	336.6	327.6	320.8	316.6
65°	312.8	320.8	325.1	328.3	325.1	320.8	312.8	303.7	293.5	284.5	279.6
67.5°	278.1	286.1	290.9	293.4	290.9	286.1	278.1	266.9	257.6	247.2	241.5
70°	252.9	260.9	267.4	269.5	267.4	260.9	252.9	239.6	231.6	221.9	217.1
72.5°	228.1	235.3	240.4	243.0	240.4	235.3	228.1	215.6	206.3	196.6	190.1
75°	185.0	194.6	199.5	202.1	199.5	194.6	185.0	178.1	167.4	157.2	151.9
77.5°	142.7	151.4	154.3	155.7	154.3	151.4	142.7	134.5	126.4	119.0	113.8
80°	114.4	119.8	123.5	124.1	123.5	119.8	114.4	108.0	101.6	94.7	89.8
82.5°	87.9	92.4	93.6	95.0	93.6	92.4	87.9	82.3	76.8	71.5	67.6
85°	48.1	50.2	50.8	50.2	50.8	50.2	48.1	44.4	41.7	39.1	37.4
87.5°	18.5	18.2	18.3	19.3	18.3	18.2	18.5	17.6	17.9	17.0	15.9
90°	13.6	14.0	14.4	14.9	14.4	14.0	13.6	13.2	12.7	12.0	11.3
92.5°	13.3	13.5	13.7	13.9	13.7	13.5	13.3	13.1	12.7	12.0	11.3
95°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.7	12.0	11.3
97.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	15.0	18.9	22.7
100°	14.7	14.1	13.5	13.0	13.5	14.1	14.7	15.2	25.7	46.3	66.8
102.5°	106.0	96.6	87.3	78.0	87.3	96.6	106.0	115.4	122.0	125.9	129.8
105°	184.4	184.3	184.1	184.0	184.1	184.3	184.4	184.6	184.6	184.6	184.6
107.5°	233.2	232.7	232.3	232.0	232.3	232.7	233.2	233.6	233.8	233.8	233.8
110°	264.7	264.9	265.0	265.1	265.0	264.9	264.7	264.6	264.7	265.1	265.5



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	295.5	295.2	295.1	294.9	295.1	295.2	295.5	295.6	296.0	296.5	297.1
115°	342.0	341.1	340.3	339.5	340.3	341.1	342.0	342.8	343.5	344.0	344.6
117.5°	388.2	387.8	387.5	387.1	387.5	387.8	388.2	388.5	389.0	389.8	390.5
120°	418.4	417.7	417.0	416.3	417.0	417.7	418.4	419.1	419.5	419.9	420.1
122.5°	446.5	445.7	444.9	444.1	444.9	445.7	446.5	447.3	447.8	448.1	448.4
125°	487.6	487.1	486.7	486.3	486.7	487.1	487.6	488.0	488.5	489.0	489.6
127.5°	525.0	523.9	522.9	521.9	522.9	523.9	525.0	525.9	526.6	527.0	527.2
130°	549.7	549.1	548.3	547.6	548.3	549.1	549.7	550.4	551.0	551.4	551.8
132.5°	573.5	572.8	572.1	571.5	572.1	572.8	573.5	574.2	574.6	574.6	574.7
135°	606.5	605.7	604.8	604.0	604.8	605.7	606.5	607.4	607.9	608.2	608.5
137.5°	638.9	638.2	637.5	636.8	637.5	638.2	638.9	639.6	639.9	639.8	639.8
140°	658.5	657.7	656.9	656.1	656.9	657.7	658.5	659.4	659.7	659.4	659.1
142.5°	676.9	676.0	675.3	674.4	675.3	676.0	676.9	677.7	678.1	678.0	678.0
145°	703.8	703.0	702.1	701.3	702.1	703.0	703.8	704.6	705.0	704.8	704.6
147.5°	726.4	725.5	724.5	723.5	724.5	725.5	726.4	727.5	727.9	727.7	727.5
150°	741.2	740.1	738.9	737.8	738.9	740.1	741.2	742.3	742.7	742.4	742.1
152.5°	754.2	753.2	752.3	751.2	752.3	753.2	754.2	755.2	755.6	755.3	755.0
155°	772.1	771.0	769.9	768.8	769.9	771.0	772.1	773.2	773.6	773.2	772.8
157.5°	786.9	785.8	784.7	783.5	784.7	785.8	786.9	788.0	788.3	787.9	787.4
160°	796.3	795.2	794.1	793.0	794.1	795.2	796.3	797.4	797.6	797.1	796.5
162.5°	805.0	803.8	802.6	801.5	802.6	803.8	805.0	806.3	806.4	805.7	804.9
165°	816.1	815.0	813.9	812.8	813.9	815.0	816.1	817.2	817.4	816.5	815.7
167.5°	824.4	823.2	822.0	820.8	822.0	823.2	824.4	825.7	825.9	824.8	823.9
170°	828.9	827.7	826.4	825.2	826.4	827.7	828.9	830.1	830.2	829.1	828.0
172.5°	831.9	830.7	829.4	828.1	829.4	830.7	831.9	833.1	833.3	832.3	831.2
175°	835.8	834.5	833.3	832.0	833.3	834.5	835.8	836.9	837.0	835.9	834.8
177.5°	836.9	836.0	835.1	834.2	835.1	836.0	836.9	837.8	837.8	837.0	836.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1204.5	1209.7	1216.1	1220.8	1229.3	1233.2	1237.9	1241.7	1248.6	1255.0	1262.7
5°	1123.4	1132.4	1144.8	1158.1	1173.6	1184.3	1199.3	1208.4	1226.5	1243.2	1259.2
7.5°	1049.8	1060.9	1078.3	1095.4	1115.8	1134.2	1152.9	1173.6	1196.8	1224.2	1246.9
10°	999.3	1014.3	1033.0	1054.4	1079.0	1100.3	1125.5	1148.0	1176.3	1208.4	1238.3
12.5°	959.1	971.9	992.8	1013.4	1039.7	1065.7	1091.7	1121.4	1154.5	1190.0	1227.6
15°	903.6	914.3	931.4	959.7	986.5	1012.2	1051.2	1079.0	1120.7	1160.2	1205.7
17.5°	856.3	869.5	883.9	908.2	935.9	968.0	1002.8	1037.7	1077.9	1128.1	1179.3
20°	827.1	837.8	854.4	873.1	902.5	934.6	967.8	1003.1	1052.3	1104.1	1159.2
22.5°	795.5	807.1	825.8	846.2	870.9	901.7	938.3	977.0	1028.3	1079.3	1139.1
25°	758.2	766.2	783.3	801.5	826.1	852.3	890.3	933.0	983.8	1042.1	1103.0
27.5°	723.0	730.1	745.7	761.5	783.7	814.8	848.7	892.0	939.8	998.9	1066.5
30°	697.8	705.3	719.1	736.3	757.6	784.9	819.7	860.3	911.6	969.4	1040.0
32.5°	676.0	682.5	693.1	710.2	731.1	757.6	789.7	831.2	882.6	941.1	1010.4
35°	642.1	649.7	657.7	671.1	689.2	714.9	750.2	789.2	838.4	895.1	958.7
37.5°	608.6	616.7	623.8	635.9	652.4	675.1	705.6	746.2	790.7	845.3	906.4
40°	587.6	594.1	599.9	612.8	629.3	650.7	679.1	715.4	762.5	813.3	864.0
42.5°	566.6	572.7	577.7	588.8	604.1	624.6	651.6	687.1	730.8	778.2	823.0
45°	533.6	537.3	543.2	552.9	565.1	583.8	610.1	641.6	678.5	723.4	757.1
47.5°	497.9	503.7	508.6	517.1	527.1	545.5	570.6	597.5	630.9	664.3	688.0
50°	470.6	476.4	483.4	491.4	501.0	518.1	541.1	568.4	596.7	622.3	642.7
52.5°	444.9	450.3	457.7	465.2	477.1	491.5	511.2	535.4	563.3	581.7	598.7
55°	406.9	409.6	418.1	425.6	436.8	447.5	467.3	488.7	505.8	519.8	533.6
57.5°	368.0	371.7	376.6	383.3	394.5	407.0	420.9	439.8	449.9	457.0	467.9
60°	343.3	344.4	347.5	355.5	364.1	375.3	391.4	404.7	412.3	418.1	427.2
62.5°	315.9	316.1	321.5	327.3	333.7	345.9	358.9	369.7	375.9	378.7	387.5
65°	277.5	276.4	279.6	284.5	291.9	299.9	311.2	320.8	320.3	323.4	328.8
67.5°	238.3	237.2	237.2	241.8	247.9	255.1	262.8	268.3	268.4	272.7	275.4
70°	211.8	208.5	210.6	214.4	217.1	223.0	231.6	233.7	234.2	236.3	239.0
72.5°	184.3	183.3	185.0	186.6	188.5	193.1	200.3	201.6	201.7	203.0	207.3
75°	146.5	145.4	144.3	146.0	148.1	151.3	154.0	156.1	155.6	156.1	159.3
77.5°	109.8	106.9	106.3	107.2	107.7	109.6	112.4	112.2	112.7	112.6	116.2
80°	87.1	82.9	82.3	82.3	82.9	84.0	85.0	86.1	84.4	86.1	87.1
82.5°	64.1	61.5	61.4	60.9	61.1	61.2	61.9	62.6	62.3	63.0	63.6
85°	35.3	34.2	32.6	33.7	33.1	31.5	32.6	31.0	30.5	31.0	31.5
87.5°	14.1	14.4	13.3	13.2	12.5	12.8	11.7	11.0	10.4	10.6	11.6
90°	10.6	9.9	9.0	8.0	7.1	6.0	5.0	4.0	2.9	1.7	0.6
92.5°	10.6	9.9	9.0	8.2	7.4	6.5	6.5	7.2	8.0	8.8	9.5
95°	10.6	9.9	15.1	20.4	25.6	30.8	33.7	34.1	34.5	34.9	35.3
97.5°	26.6	30.5	40.8	51.2	61.6	71.9	76.7	76.0	75.2	74.5	73.8
100°	87.3	107.8	107.3	106.7	106.2	105.6	105.1	104.7	104.3	103.9	103.5
102.5°	133.6	137.5	137.2	136.9	136.6	136.2	135.8	135.2	134.8	134.2	133.7
105°	184.6	184.6	184.6	184.6	184.6	184.6	184.3	183.8	183.2	182.7	182.1
107.5°	233.7	233.7	233.4	233.1	232.8	232.6	232.4	232.4	232.4	232.4	232.4
110°	266.0	266.4	266.1	265.9	265.5	265.3	265.1	265.1	265.1	265.1	265.1



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.6	298.1	297.9	297.8	297.6	297.5	297.2	296.9	296.5	296.2	295.9
115°	345.2	345.7	345.5	345.4	345.3	345.2	344.8	344.0	343.3	342.7	342.0
117.5°	391.2	391.9	391.4	390.9	390.3	389.8	389.6	389.6	389.6	389.7	389.7
120°	420.4	420.6	420.3	419.9	419.4	419.0	418.8	419.0	419.1	419.3	419.4
122.5°	448.6	448.9	448.7	448.5	448.3	448.1	447.7	447.3	446.7	446.2	445.7
125°	490.1	490.7	490.7	490.7	490.7	490.7	490.2	489.3	488.2	487.3	486.3
127.5°	527.5	527.8	527.9	528.0	528.1	528.1	527.8	527.2	526.5	525.8	525.1
130°	552.2	552.6	552.5	552.3	552.2	552.1	551.7	551.0	550.2	549.6	548.9
132.5°	574.8	574.9	575.2	575.5	575.8	576.2	575.9	575.0	574.3	573.5	572.7
135°	608.7	609.0	609.3	609.5	609.8	610.1	609.8	609.0	608.2	607.4	606.5
137.5°	639.8	639.7	640.0	640.2	640.5	640.7	640.5	639.8	639.1	638.3	637.6
140°	658.9	658.5	658.7	658.9	658.9	659.1	659.0	658.8	658.5	658.2	657.9
142.5°	677.9	677.9	677.7	677.5	677.3	677.1	676.9	676.8	676.6	676.4	676.3
145°	704.6	704.4	704.4	704.4	704.4	704.4	704.3	704.0	703.7	703.5	703.1
147.5°	727.4	727.2	727.1	726.8	726.7	726.5	726.5	726.5	726.6	726.7	726.7
150°	741.9	741.6	741.3	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6
152.5°	754.7	754.5	754.2	753.9	753.6	753.4	753.5	754.2	754.7	755.3	756.0
155°	772.3	771.9	771.7	771.3	771.1	770.8	771.1	771.9	772.8	773.6	774.4
157.5°	787.0	786.6	786.5	786.5	786.5	786.4	786.6	787.2	787.7	788.1	788.6
160°	796.0	795.4	795.4	795.2	795.0	795.0	795.3	796.1	796.9	797.7	798.6
162.5°	804.1	803.4	803.3	803.1	803.0	802.9	803.2	804.0	804.9	805.6	806.5
165°	814.9	814.0	813.9	813.8	813.7	813.5	813.8	814.7	815.5	816.3	817.1
167.5°	822.8	821.9	821.7	821.6	821.4	821.3	821.7	822.5	823.4	824.3	825.1
170°	827.0	825.9	825.7	825.5	825.4	825.3	825.7	826.6	827.6	828.5	829.6
172.5°	830.3	829.3	829.0	828.8	828.5	828.3	828.6	829.7	830.6	831.6	832.5
175°	833.8	832.7	832.5	832.3	832.2	832.1	832.4	833.3	834.1	834.9	835.8
177.5°	835.5	834.7	834.6	834.5	834.4	834.3	834.6	835.3	835.9	836.5	837.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1266.5	1272.6	1276.4	1283.7	1289.7	1293.1	1296.1	1298.6	1301.6	1304.2	1311.5
5°	1274.7	1288.6	1300.4	1318.5	1335.1	1348.0	1361.8	1374.1	1384.3	1398.8	1409.9
7.5°	1271.1	1295.9	1321.8	1349.9	1378.6	1405.3	1430.0	1452.9	1473.8	1499.0	1521.1
10°	1267.7	1301.4	1334.6	1372.5	1411.6	1444.7	1475.8	1507.3	1530.3	1562.3	1589.6
12.5°	1265.2	1304.8	1344.8	1390.5	1433.4	1480.2	1521.5	1544.5	1579.5	1605.1	1637.5
15°	1254.3	1306.8	1361.8	1413.2	1474.1	1517.4	1553.8	1598.7	1631.3	1663.9	1699.2
17.5°	1235.0	1294.3	1356.0	1423.2	1481.7	1528.2	1575.1	1618.3	1657.3	1701.1	1745.0
20°	1226.1	1285.4	1356.0	1424.9	1482.2	1530.8	1578.9	1626.5	1669.3	1725.5	1776.2
22.5°	1207.2	1279.0	1344.0	1411.3	1470.1	1523.1	1577.6	1631.7	1688.5	1751.9	1815.6
25°	1173.6	1246.3	1315.3	1381.6	1441.0	1507.3	1565.6	1637.8	1710.5	1794.4	1873.5
27.5°	1138.8	1208.4	1271.6	1335.6	1404.9	1479.9	1555.5	1637.4	1732.6	1838.6	1950.2
30°	1110.6	1176.3	1237.8	1303.5	1375.7	1460.2	1543.1	1640.4	1750.6	1869.8	2002.4
32.5°	1077.6	1138.2	1198.0	1267.7	1346.2	1435.4	1532.0	1638.7	1771.1	1906.5	2043.0
35°	1021.3	1072.1	1133.5	1207.8	1296.6	1398.8	1510.5	1636.6	1788.5	1944.1	2059.0
37.5°	954.4	1001.7	1066.5	1148.0	1241.0	1350.6	1483.2	1632.9	1794.2	1918.3	1955.3
40°	909.5	953.3	1020.7	1105.2	1200.4	1316.4	1461.8	1620.1	1776.2	1855.4	1824.9
42.5°	861.6	907.6	973.2	1056.9	1159.3	1285.6	1434.9	1593.2	1724.0	1754.0	1648.6
45°	786.0	833.5	898.3	982.8	1092.9	1229.8	1385.4	1529.2	1604.6	1550.6	1387.5
47.5°	715.7	760.3	820.3	907.4	1021.1	1162.7	1312.6	1427.3	1433.3	1304.4	1130.2
50°	667.8	709.0	769.4	856.6	969.4	1112.7	1247.9	1338.3	1297.7	1151.7	984.4
52.5°	620.8	661.1	720.6	806.9	918.5	1049.8	1175.7	1239.1	1162.5	1012.7	869.7
55°	552.9	588.1	646.4	726.1	831.9	953.9	1060.8	1082.8	983.3	835.7	719.7
57.5°	486.6	519.5	572.5	645.9	742.7	850.6	934.3	929.6	824.5	697.8	605.8
60°	441.6	473.7	520.8	592.4	680.6	773.7	845.3	828.2	724.0	614.9	537.3
62.5°	401.5	430.1	474.6	537.3	617.7	703.9	762.8	737.5	635.4	540.0	478.8
65°	342.2	366.2	404.3	457.7	524.5	595.6	641.1	608.5	521.3	447.0	397.8
67.5°	285.7	304.9	336.8	379.4	436.4	493.5	521.2	488.4	418.7	364.4	328.0
70°	249.7	266.8	291.4	329.4	379.1	427.2	448.1	418.7	358.8	312.3	286.1
72.5°	213.7	227.9	249.5	283.6	323.4	365.2	383.5	355.4	306.2	266.9	242.4
75°	165.2	174.8	189.8	213.3	244.9	278.1	288.2	263.6	232.0	202.6	186.6
77.5°	118.3	126.4	137.8	152.6	174.9	196.0	204.9	190.7	166.3	147.7	134.5
80°	90.9	95.1	104.8	117.1	134.8	148.1	154.0	144.9	127.8	113.9	103.7
82.5°	64.8	69.1	74.9	85.0	96.3	105.4	111.6	105.5	93.2	82.2	76.4
85°	31.5	34.2	37.4	41.7	50.2	55.6	55.1	51.3	46.5	42.2	39.1
87.5°	11.5	12.1	13.6	16.0	17.4	19.4	20.4	19.7	18.2	17.1	15.9
90°	1.7	2.9	4.0	5.0	6.0	7.1	8.0	9.0	9.9	10.6	11.3
92.5°	8.8	8.0	7.2	6.5	6.5	7.4	8.2	9.0	9.9	10.6	11.3
95°	34.9	34.5	34.1	33.7	30.8	25.6	20.4	15.1	9.9	10.6	11.3
97.5°	74.5	75.2	76.0	76.7	71.9	61.6	51.2	40.8	30.5	26.6	22.7
100°	103.9	104.3	104.7	105.1	105.6	106.2	106.7	107.3	107.8	87.3	66.8
102.5°	134.2	134.8	135.2	135.8	136.2	136.6	136.9	137.2	137.5	133.6	129.8
105°	182.7	183.2	183.8	184.3	184.6	184.6	184.6	184.6	184.6	184.6	184.6
107.5°	232.4	232.4	232.4	232.4	232.6	232.8	233.1	233.4	233.7	233.7	233.8
110°	265.1	265.1	265.1	265.1	265.3	265.5	265.9	266.1	266.4	266.0	265.5



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	296.2	296.5	296.9	297.2	297.5	297.6	297.8	297.9	298.1	297.6	297.1
115°	342.7	343.3	344.0	344.8	345.2	345.3	345.4	345.5	345.7	345.2	344.6
117.5°	389.7	389.6	389.6	389.6	389.8	390.3	390.9	391.4	391.9	391.2	390.5
120°	419.3	419.1	419.0	418.8	419.0	419.4	419.9	420.3	420.6	420.4	420.1
122.5°	446.2	446.7	447.3	447.7	448.1	448.3	448.5	448.7	448.9	448.6	448.4
125°	487.3	488.2	489.3	490.2	490.7	490.7	490.7	490.7	490.7	490.1	489.6
127.5°	525.8	526.5	527.2	527.8	528.1	528.1	528.0	527.9	527.8	527.5	527.2
130°	549.6	550.2	551.0	551.7	552.1	552.2	552.3	552.5	552.6	552.2	551.8
132.5°	573.5	574.3	575.0	575.9	576.2	575.8	575.5	575.2	574.9	574.8	574.7
135°	607.4	608.2	609.0	609.8	610.1	609.8	609.5	609.3	609.0	608.7	608.5
137.5°	638.3	639.1	639.8	640.5	640.7	640.5	640.2	640.0	639.7	639.8	639.8
140°	658.2	658.5	658.8	659.0	659.1	658.9	658.9	658.7	658.5	658.9	659.1
142.5°	676.4	676.6	676.8	676.9	677.1	677.3	677.5	677.7	677.9	677.9	678.0
145°	703.5	703.7	704.0	704.3	704.4	704.4	704.4	704.4	704.4	704.6	704.6
147.5°	726.7	726.6	726.5	726.5	726.5	726.7	726.8	727.1	727.2	727.4	727.5
150°	741.3	741.0	740.8	740.5	740.5	740.8	741.0	741.3	741.6	741.9	742.1
152.5°	755.3	754.7	754.2	753.5	753.4	753.6	753.9	754.2	754.5	754.7	755.0
155°	773.6	772.8	771.9	771.1	770.8	771.1	771.3	771.7	771.9	772.3	772.8
157.5°	788.1	787.7	787.2	786.6	786.4	786.5	786.5	786.5	786.6	787.0	787.4
160°	797.7	796.9	796.1	795.3	795.0	795.0	795.2	795.4	795.4	796.0	796.5
162.5°	805.6	804.9	804.0	803.2	802.9	803.0	803.1	803.3	803.4	804.1	804.9
165°	816.3	815.5	814.7	813.8	813.5	813.7	813.8	813.9	814.0	814.9	815.7
167.5°	824.3	823.4	822.5	821.7	821.3	821.4	821.6	821.7	821.9	822.8	823.9
170°	828.5	827.6	826.6	825.7	825.3	825.4	825.5	825.7	825.9	827.0	828.0
172.5°	831.6	830.6	829.7	828.6	828.3	828.5	828.8	829.0	829.3	830.3	831.2
175°	834.9	834.1	833.3	832.4	832.1	832.2	832.3	832.5	832.7	833.8	834.8
177.5°	836.5	835.9	835.3	834.6	834.3	834.4	834.5	834.6	834.7	835.5	836.3
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8	835.8



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1317.5	1320.9	1328.2	1325.6	1329.0	1330.7	1332.5
5°	1423.9	1441.0	1448.4	1447.4	1458.6	1456.0	1453.3
7.5°	1544.0	1562.0	1572.1	1584.6	1591.9	1592.4	1598.7
10°	1612.1	1635.6	1645.2	1658.6	1667.1	1672.0	1671.4
12.5°	1664.3	1682.7	1704.2	1710.8	1722.4	1728.4	1726.2
15°	1727.0	1756.4	1778.9	1790.1	1804.6	1808.9	1814.7
17.5°	1783.0	1822.5	1848.7	1883.6	1896.7	1904.7	1900.0
20°	1825.4	1877.3	1903.5	1945.2	1968.2	1980.5	1976.2
22.5°	1875.5	1931.6	1980.1	2016.2	2051.1	2067.8	2071.2
25°	1961.2	2038.2	2109.3	2157.0	2200.2	2210.3	2232.8
27.5°	2057.1	2147.8	2223.9	2273.9	2304.1	2315.4	2322.4
30°	2117.3	2207.7	2264.9	2297.0	2306.6	2305.6	2304.5
32.5°	2146.9	2203.5	2214.5	2205.4	2183.4	2164.8	2145.4
35°	2105.1	2062.8	1999.7	1918.4	1858.5	1798.2	1792.2
37.5°	1893.2	1758.2	1653.1	1535.8	1468.2	1426.3	1397.5
40°	1693.8	1540.4	1413.2	1314.2	1245.3	1218.0	1191.3
42.5°	1477.4	1330.9	1218.1	1135.4	1083.6	1053.4	1032.1
45°	1200.4	1071.0	982.8	922.9	881.7	858.2	844.8
47.5°	983.6	887.9	812.9	769.8	741.3	723.0	723.1
50°	867.3	775.9	726.1	691.9	667.3	652.8	655.5
52.5°	764.1	695.9	653.4	624.7	606.6	597.7	597.4
55°	639.0	589.8	562.0	541.1	528.8	518.6	520.8
57.5°	546.5	505.1	486.5	469.1	460.6	456.5	450.6
60°	489.3	457.2	441.1	427.2	418.7	415.4	409.6
62.5°	438.3	413.1	397.5	386.1	378.4	377.4	372.8
65°	368.4	349.1	335.3	329.9	321.9	319.7	319.7
67.5°	303.7	289.9	279.1	274.2	270.7	271.2	268.6
70°	263.1	251.8	244.9	239.6	236.9	237.4	235.3
72.5°	230.1	217.6	211.5	208.3	204.8	206.2	205.3
75°	174.3	167.9	164.7	161.4	159.3	158.3	157.2
77.5°	128.0	122.3	119.9	118.0	118.4	115.8	117.9
80°	98.9	94.1	92.5	89.8	89.3	89.3	88.7
82.5°	72.4	69.7	68.5	66.3	65.4	66.2	64.8
85°	37.4	35.3	34.8	34.8	33.7	32.6	35.3
87.5°	16.1	14.5	14.7	14.3	14.3	14.0	13.2
90°	12.0	12.7	13.2	13.6	14.0	14.4	14.9
92.5°	12.0	12.7	13.1	13.3	13.5	13.7	13.9
95°	12.0	12.7	13.0	13.0	13.0	13.0	13.0
97.5°	18.9	15.0	13.0	13.0	13.0	13.0	13.0
100°	46.3	25.7	15.2	14.7	14.1	13.5	13.0
102.5°	125.9	122.0	115.4	106.0	96.6	87.3	78.0
105°	184.6	184.6	184.6	184.4	184.3	184.1	184.0
107.5°	233.8	233.8	233.6	233.2	232.7	232.3	232.0
110°	265.1	264.7	264.6	264.7	264.9	265.0	265.1



TEST NUMBER: P333268-927

CATALOG NUMBER: S125DIP-S1090D810U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	296.5	296.0	295.6	295.5	295.2	295.1	294.9
115°	344.0	343.5	342.8	342.0	341.1	340.3	339.5
117.5°	389.8	389.0	388.5	388.2	387.8	387.5	387.1
120°	419.9	419.5	419.1	418.4	417.7	417.0	416.3
122.5°	448.1	447.8	447.3	446.5	445.7	444.9	444.1
125°	489.0	488.5	488.0	487.6	487.1	486.7	486.3
127.5°	527.0	526.6	525.9	525.0	523.9	522.9	521.9
130°	551.4	551.0	550.4	549.7	549.1	548.3	547.6
132.5°	574.6	574.6	574.2	573.5	572.8	572.1	571.5
135°	608.2	607.9	607.4	606.5	605.7	604.8	604.0
137.5°	639.8	639.9	639.6	638.9	638.2	637.5	636.8
140°	659.4	659.7	659.4	658.5	657.7	656.9	656.1
142.5°	678.0	678.1	677.7	676.9	676.0	675.3	674.4
145°	704.8	705.0	704.6	703.8	703.0	702.1	701.3
147.5°	727.7	727.9	727.5	726.4	725.5	724.5	723.5
150°	742.4	742.7	742.3	741.2	740.1	738.9	737.8
152.5°	755.3	755.6	755.2	754.2	753.2	752.3	751.2
155°	773.2	773.6	773.2	772.1	771.0	769.9	768.8
157.5°	787.9	788.3	788.0	786.9	785.8	784.7	783.5
160°	797.1	797.6	797.4	796.3	795.2	794.1	793.0
162.5°	805.7	806.4	806.3	805.0	803.8	802.6	801.5
165°	816.5	817.4	817.2	816.1	815.0	813.9	812.8
167.5°	824.8	825.9	825.7	824.4	823.2	822.0	820.8
170°	829.1	830.2	830.1	828.9	827.7	826.4	825.2
172.5°	832.3	833.3	833.1	831.9	830.7	829.4	828.1
175°	835.9	837.0	836.9	835.8	834.5	833.3	832.0
177.5°	837.0	837.8	837.8	836.9	836.0	835.1	834.2
180°	835.8	835.8	835.8	835.8	835.8	835.8	835.8

(END OF REPORT)