

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: P333437-927

Luminaire Tested: **S125DIW-S1090D770U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333437-927
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: S125DIW-S1090D770U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5665.0 lumens
Efficiency: N/A
Efficacy: 105.7 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: Semi-Direct

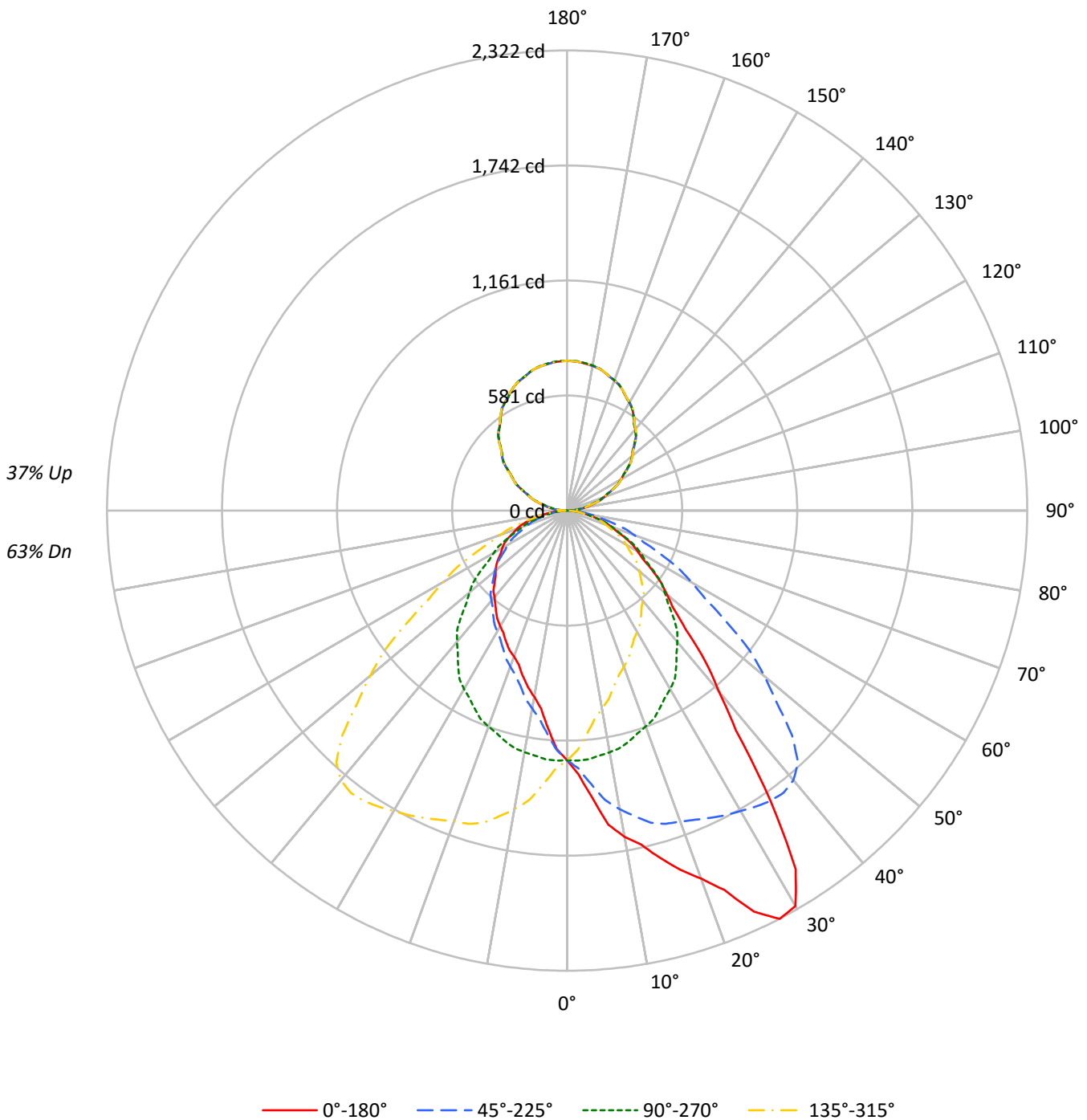
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	93	89	95	91	87	84	80	77	75	70	68	66	60	59	58	53
2	92	85	79	73	86	80	74	70	70	66	63	62	58	56	54	51	49	45
3	84	75	67	61	79	70	64	59	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	35	39	35	32	29
6	65	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

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	2.1
10°-20°	361.1	6.4
20°-30°	586.3	10.3
30°-40°	715.2	12.6
40°-50°	650.6	11.5
50°-60°	518.2	9.1
60°-70°	361.0	6.4
70°-80°	192.5	3.4
80°-90°	50.2	0.9
90°-100°	50.6	0.9
100°-110°	149.5	2.6
110°-120°	253.2	4.5
120°-130°	333.2	5.9
130°-140°	373.3	6.6
140°-150°	365.9	6.5
150°-160°	307.3	5.4
160°-170°	204.3	3.6
170°-180°	71.5	1.3
0°-30°	1068.7	18.9
0°-40°	1783.8	31.5
0°-60°	2952.7	52.1
0°-90°	3556.3	62.8
90°-120°	453.2	8.0
90°-150°	1525.6	26.9
90°-180°	2109.0	37.2
0°-180°	5665.0	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°	14	1	14	1	14	9
95°	50	38	50	38	50	51
105°	146	134	146	134	146	155
115°	256	254	256	254	256	253
125°	372	370	372	370	372	332
135°	483	481	483	481	483	372
145°	585	583	585	583	585	365
155°	667	667	667	667	667	307
165°	723	725	723	725	723	204
175°	751	754	751	754	751	71
180°	756	756	756	756	756	



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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°	13.1	13.9	14.2	14.1	14.5	14.4	15.9	15.8	17.0	18.1	19.6
90°	14.1	13.7	13.3	12.9	12.5	12.0	11.4	10.7	10.1	9.4	8.5
92.5°	27.7	27.5	27.2	26.9	26.6	26.1	25.2	24.3	23.4	22.6	21.5
95°	50.5	50.3	50.1	49.8	49.5	49.0	48.0	47.1	46.2	45.3	44.0
97.5°	76.7	76.5	76.4	76.2	76.0	75.6	74.7	73.8	73.0	72.1	70.3
100°	96.4	96.2	95.9	95.7	95.4	94.7	93.5	92.3	91.2	90.0	88.2
102.5°	116.2	115.8	115.5	115.1	114.7	113.9	112.6	111.4	110.1	108.8	107.9
105°	145.8	145.4	145.0	144.7	144.3	143.7	142.9	142.1	141.3	140.5	139.7
107.5°	176.2	176.2	176.3	176.3	176.3	176.1	175.7	175.3	174.9	174.5	174.0
110°	198.8	198.9	199.0	199.2	199.3	199.2	198.8	198.4	198.0	197.6	197.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	220.9	221.1	221.3	221.6	221.8	221.8	221.7	221.5	221.3	221.1	220.6
115°	255.8	256.0	256.1	256.2	256.4	256.4	256.6	256.7	256.8	257.0	256.7
117.5°	289.9	290.4	291.0	291.5	292.0	292.2	292.1	292.0	291.9	291.8	291.6
120°	313.5	313.9	314.5	315.1	315.5	315.8	315.8	315.8	315.8	315.8	315.7
122.5°	337.0	337.4	337.8	338.2	338.7	338.9	339.0	339.1	339.2	339.3	339.0
125°	372.2	372.4	372.5	372.6	372.8	373.0	373.2	373.5	373.8	374.0	373.9
127.5°	406.2	406.4	406.6	406.9	407.2	407.3	407.5	407.7	407.7	407.9	407.7
130°	428.7	429.0	429.2	429.5	429.8	429.9	430.1	430.2	430.3	430.5	430.2
132.5°	449.9	450.3	450.6	451.0	451.3	451.6	451.7	451.9	452.0	452.1	452.2
135°	482.8	483.3	483.9	484.3	484.9	485.1	485.1	485.1	485.1	485.1	485.1
137.5°	515.0	515.7	516.3	517.0	517.6	517.9	517.8	517.6	517.5	517.3	517.0
140°	535.8	536.4	537.0	537.7	538.4	538.5	538.3	538.1	537.7	537.5	537.1
142.5°	555.5	556.1	556.8	557.5	558.1	558.3	558.2	558.0	557.9	557.7	557.2
145°	585.1	585.5	585.9	586.3	586.7	586.9	586.9	586.9	586.9	586.9	586.5
147.5°	610.5	611.3	612.2	613.1	613.9	614.3	613.9	613.6	613.3	613.0	612.7
150°	629.2	629.5	629.8	630.0	630.3	630.4	630.4	630.4	630.4	630.4	629.9
152.5°	644.8	645.2	645.7	646.2	646.7	646.7	646.4	646.1	645.8	645.5	645.2
155°	666.9	667.5	668.2	668.8	669.5	669.6	669.0	668.5	668.0	667.5	667.3
157.5°	685.3	686.2	687.1	687.9	688.8	689.0	688.4	687.9	687.4	686.9	686.7
160°	698.1	698.7	699.3	700.0	700.7	700.7	700.2	699.7	699.2	698.6	698.5
162.5°	708.8	709.6	710.3	711.1	711.9	711.9	711.3	710.7	710.1	709.5	709.4
165°	723.3	724.1	724.9	725.7	726.4	726.6	726.1	725.6	725.0	724.5	724.4
167.5°	734.8	735.7	736.5	737.3	738.1	738.1	737.4	736.6	735.8	735.0	735.0
170°	741.0	741.9	742.8	743.7	744.7	744.7	743.9	743.1	742.4	741.6	741.6
172.5°	746.2	746.9	747.7	748.6	749.4	749.4	748.6	747.8	747.0	746.2	746.2
175°	751.0	751.9	752.8	753.7	754.6	754.7	753.9	753.1	752.3	751.5	751.5
177.5°	753.8	754.6	755.3	756.0	756.7	756.8	756.1	755.5	754.9	754.2	754.4
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



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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	19.3	17.4	15.9	13.5	12.1	11.5	11.6	10.6	10.4	11.0
90°	7.6	6.7	5.8	4.8	3.7	2.7	1.7	0.6	1.7	2.7	3.7
92.5°	20.4	19.3	18.1	17.2	16.4	15.7	15.0	14.3	15.0	15.7	16.4
95°	42.7	41.4	40.1	39.3	39.0	38.7	38.5	38.3	38.5	38.7	39.0
97.5°	68.5	66.7	64.9	63.9	63.8	63.7	63.6	63.5	63.6	63.7	63.8
100°	86.6	84.8	83.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
102.5°	107.1	106.2	105.4	104.6	104.1	103.6	103.1	102.6	103.1	103.6	104.1
105°	138.9	138.2	137.4	136.7	136.0	135.4	134.8	134.1	134.8	135.4	136.0
107.5°	173.3	172.8	172.1	171.5	170.9	170.2	169.5	168.9	169.5	170.2	170.9
110°	196.8	196.4	196.0	195.5	194.9	194.2	193.5	192.9	193.5	194.2	194.9



TEST NUMBER: P333437-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	220.1	219.6	219.1	218.7	218.4	218.0	217.7	217.4	217.7	218.0	218.4
115°	256.4	256.2	256.0	255.6	255.0	254.5	254.0	253.5	254.0	254.5	255.0
117.5°	291.4	291.1	290.9	290.7	290.4	290.2	289.9	289.7	289.9	290.2	290.4
120°	315.5	315.4	315.3	314.9	314.3	313.5	312.9	312.3	312.9	313.5	314.3
122.5°	338.7	338.3	337.9	337.7	337.5	337.2	337.0	336.8	337.0	337.2	337.5
125°	373.8	373.6	373.5	373.0	372.2	371.5	370.7	369.9	370.7	371.5	372.2
127.5°	407.6	407.4	407.3	406.9	406.5	406.1	405.6	405.2	405.6	406.1	406.5
130°	429.9	429.7	429.4	429.0	428.3	427.7	427.0	426.4	427.0	427.7	428.3
132.5°	452.2	452.3	452.3	451.8	450.8	449.6	448.6	447.5	448.6	449.6	450.8
135°	484.9	484.7	484.7	484.2	483.4	482.6	481.8	481.0	481.8	482.6	483.4
137.5°	516.7	516.4	516.1	515.6	514.8	514.0	513.3	512.5	513.3	514.0	514.8
140°	536.7	536.3	535.9	535.4	534.7	534.1	533.5	532.8	533.5	534.1	534.7
142.5°	556.7	556.3	555.7	555.2	554.7	554.1	553.6	553.0	553.6	554.1	554.7
145°	586.1	585.7	585.3	584.9	584.3	583.8	583.3	582.8	583.3	583.8	584.3
147.5°	612.4	612.0	611.7	611.5	611.2	610.9	610.6	610.3	610.6	610.9	611.2
150°	629.4	628.8	628.4	628.1	628.3	628.4	628.5	628.7	628.5	628.4	628.3
152.5°	645.1	644.8	644.6	644.4	644.3	644.0	643.9	643.7	643.9	644.0	644.3
155°	667.2	667.1	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9
157.5°	686.6	686.5	686.3	686.4	686.7	687.0	687.3	687.6	687.3	687.0	686.7
160°	698.4	698.2	698.1	698.2	698.6	699.0	699.4	699.8	699.4	699.0	698.6
162.5°	709.4	709.4	709.3	709.5	709.8	710.0	710.3	710.7	710.3	710.0	709.8
165°	724.2	724.1	724.0	724.1	724.3	724.6	724.8	725.1	724.8	724.6	724.3
167.5°	735.0	735.0	735.0	735.2	735.8	736.3	736.8	737.4	736.8	736.3	735.8
170°	741.6	741.6	741.6	741.8	742.4	742.8	743.4	743.9	743.4	742.8	742.4
172.5°	746.2	746.2	746.2	746.6	747.0	747.6	748.1	748.6	748.1	747.6	747.0
175°	751.5	751.5	751.5	751.8	752.3	752.9	753.4	753.9	753.4	752.9	752.3
177.5°	754.5	754.6	754.7	754.9	755.3	755.7	756.2	756.6	756.2	755.7	755.3
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



TEST NUMBER: P333437-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-UDD-A1

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°	11.6	12.7	12.4	13.1	13.2	14.3	14.0	15.8	16.8	17.8	17.5
90°	4.8	5.8	6.7	7.6	8.5	9.4	10.1	10.7	11.4	12.0	12.5
92.5°	17.2	18.1	19.3	20.4	21.5	22.6	23.4	24.3	25.2	26.1	26.6
95°	39.3	40.1	41.4	42.7	44.0	45.3	46.2	47.1	48.0	49.0	49.5
97.5°	63.9	64.9	66.7	68.5	70.3	72.1	73.0	73.8	74.7	75.6	76.0
100°	82.3	83.2	84.8	86.6	88.2	90.0	91.2	92.3	93.5	94.7	95.4
102.5°	104.6	105.4	106.2	107.1	107.9	108.8	110.1	111.4	112.6	113.9	114.7
105°	136.7	137.4	138.2	138.9	139.7	140.5	141.3	142.1	142.9	143.7	144.3
107.5°	171.5	172.1	172.8	173.3	174.0	174.5	174.9	175.3	175.7	176.1	176.3
110°	195.5	196.0	196.4	196.8	197.2	197.6	198.0	198.4	198.8	199.2	199.3



TEST NUMBER: P333437-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	218.7	219.1	219.6	220.1	220.6	221.1	221.3	221.5	221.7	221.8	221.8
115°	255.6	256.0	256.2	256.4	256.7	257.0	256.8	256.7	256.6	256.4	256.4
117.5°	290.7	290.9	291.1	291.4	291.6	291.8	291.9	292.0	292.1	292.2	292.0
120°	314.9	315.3	315.4	315.5	315.7	315.8	315.8	315.8	315.8	315.8	315.5
122.5°	337.7	337.9	338.3	338.7	339.0	339.3	339.2	339.1	339.0	338.9	338.7
125°	373.0	373.5	373.6	373.8	373.9	374.0	373.8	373.5	373.2	373.0	372.8
127.5°	406.9	407.3	407.4	407.6	407.7	407.9	407.7	407.7	407.5	407.3	407.2
130°	429.0	429.4	429.7	429.9	430.2	430.5	430.3	430.2	430.1	429.9	429.8
132.5°	451.8	452.3	452.3	452.2	452.2	452.1	452.0	451.9	451.7	451.6	451.3
135°	484.2	484.7	484.7	484.9	485.1	485.1	485.1	485.1	485.1	485.1	484.9
137.5°	515.6	516.1	516.4	516.7	517.0	517.3	517.5	517.6	517.8	517.9	517.6
140°	535.4	535.9	536.3	536.7	537.1	537.5	537.7	538.1	538.3	538.5	538.4
142.5°	555.2	555.7	556.3	556.7	557.2	557.7	557.9	558.0	558.2	558.3	558.1
145°	584.9	585.3	585.7	586.1	586.5	586.9	586.9	586.9	586.9	586.9	586.7
147.5°	611.5	611.7	612.0	612.4	612.7	613.0	613.3	613.6	613.9	614.3	613.9
150°	628.1	628.4	628.8	629.4	629.9	630.4	630.4	630.4	630.4	630.4	630.3
152.5°	644.4	644.6	644.8	645.1	645.2	645.5	645.8	646.1	646.4	646.7	646.7
155°	666.9	666.9	667.1	667.2	667.3	667.5	668.0	668.5	669.0	669.6	669.5
157.5°	686.4	686.3	686.5	686.6	686.7	686.9	687.4	687.9	688.4	689.0	688.8
160°	698.2	698.1	698.2	698.4	698.5	698.6	699.2	699.7	700.2	700.7	700.7
162.5°	709.5	709.3	709.4	709.4	709.4	709.5	710.1	710.7	711.3	711.9	711.9
165°	724.1	724.0	724.1	724.2	724.4	724.5	725.0	725.6	726.1	726.6	726.4
167.5°	735.2	735.0	735.0	735.0	735.0	735.0	735.8	736.6	737.4	738.1	738.1
170°	741.8	741.6	741.6	741.6	741.6	741.6	742.4	743.1	743.9	744.7	744.7
172.5°	746.6	746.2	746.2	746.2	746.2	746.2	747.0	747.8	748.6	749.4	749.4
175°	751.8	751.5	751.5	751.5	751.5	751.5	752.3	753.1	753.9	754.7	754.6
177.5°	754.9	754.7	754.6	754.5	754.4	754.2	754.9	755.5	756.1	756.8	756.7
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



TEST NUMBER: P333437-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-UDD-A1

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°	18.4	18.1	18.1	19.1	18.1	18.1	18.4	17.5	17.8	16.8	15.8
90°	12.9	13.3	13.7	14.1	13.7	13.3	12.9	12.5	12.0	11.4	10.7
92.5°	26.9	27.2	27.5	27.7	27.5	27.2	26.9	26.6	26.1	25.2	24.3
95°	49.8	50.1	50.3	50.5	50.3	50.1	49.8	49.5	49.0	48.0	47.1
97.5°	76.2	76.4	76.5	76.7	76.5	76.4	76.2	76.0	75.6	74.7	73.8
100°	95.7	95.9	96.2	96.4	96.2	95.9	95.7	95.4	94.7	93.5	92.3
102.5°	115.1	115.5	115.8	116.2	115.8	115.5	115.1	114.7	113.9	112.6	111.4
105°	144.7	145.0	145.4	145.8	145.4	145.0	144.7	144.3	143.7	142.9	142.1
107.5°	176.3	176.3	176.2	176.2	176.2	176.3	176.3	176.3	176.1	175.7	175.3
110°	199.2	199.0	198.9	198.8	198.9	199.0	199.2	199.3	199.2	198.8	198.4



TEST NUMBER: P333437-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	221.6	221.3	221.1	220.9	221.1	221.3	221.6	221.8	221.8	221.7	221.5
115°	256.2	256.1	256.0	255.8	256.0	256.1	256.2	256.4	256.4	256.6	256.7
117.5°	291.5	291.0	290.4	289.9	290.4	291.0	291.5	292.0	292.2	292.1	292.0
120°	315.1	314.5	313.9	313.5	313.9	314.5	315.1	315.5	315.8	315.8	315.8
122.5°	338.2	337.8	337.4	337.0	337.4	337.8	338.2	338.7	338.9	339.0	339.1
125°	372.6	372.5	372.4	372.2	372.4	372.5	372.6	372.8	373.0	373.2	373.5
127.5°	406.9	406.6	406.4	406.2	406.4	406.6	406.9	407.2	407.3	407.5	407.7
130°	429.5	429.2	429.0	428.7	429.0	429.2	429.5	429.8	429.9	430.1	430.2
132.5°	451.0	450.6	450.3	449.9	450.3	450.6	451.0	451.3	451.6	451.7	451.9
135°	484.3	483.9	483.3	482.8	483.3	483.9	484.3	484.9	485.1	485.1	485.1
137.5°	517.0	516.3	515.7	515.0	515.7	516.3	517.0	517.6	517.9	517.8	517.6
140°	537.7	537.0	536.4	535.8	536.4	537.0	537.7	538.4	538.5	538.3	538.1
142.5°	557.5	556.8	556.1	555.5	556.1	556.8	557.5	558.1	558.3	558.2	558.0
145°	586.3	585.9	585.5	585.1	585.5	585.9	586.3	586.7	586.9	586.9	586.9
147.5°	613.1	612.2	611.3	610.5	611.3	612.2	613.1	613.9	614.3	613.9	613.6
150°	630.0	629.8	629.5	629.2	629.5	629.8	630.0	630.3	630.4	630.4	630.4
152.5°	646.2	645.7	645.2	644.8	645.2	645.7	646.2	646.7	646.7	646.4	646.1
155°	668.8	668.2	667.5	666.9	667.5	668.2	668.8	669.5	669.6	669.0	668.5
157.5°	687.9	687.1	686.2	685.3	686.2	687.1	687.9	688.8	689.0	688.4	687.9
160°	700.0	699.3	698.7	698.1	698.7	699.3	700.0	700.7	700.7	700.2	699.7
162.5°	711.1	710.3	709.6	708.8	709.6	710.3	711.1	711.9	711.9	711.3	710.7
165°	725.7	724.9	724.1	723.3	724.1	724.9	725.7	726.4	726.6	726.1	725.6
167.5°	737.3	736.5	735.7	734.8	735.7	736.5	737.3	738.1	738.1	737.4	736.6
170°	743.7	742.8	741.9	741.0	741.9	742.8	743.7	744.7	744.7	743.9	743.1
172.5°	748.6	747.7	746.9	746.2	746.9	747.7	748.6	749.4	749.4	748.6	747.8
175°	753.7	752.8	751.9	751.0	751.9	752.8	753.7	754.6	754.7	753.9	753.1
177.5°	756.0	755.3	754.6	753.8	754.6	755.3	756.0	756.7	756.8	756.1	755.5
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



TEST NUMBER: P333437-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-UDD-A1

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°	14.0	14.3	13.2	13.1	12.4	12.7	11.6	11.0	10.4	10.6	11.6
90°	10.1	9.4	8.5	7.6	6.7	5.8	4.8	3.7	2.7	1.7	0.6
92.5°	23.4	22.6	21.5	20.4	19.3	18.1	17.2	16.4	15.7	15.0	14.3
95°	46.2	45.3	44.0	42.7	41.4	40.1	39.3	39.0	38.7	38.5	38.3
97.5°	73.0	72.1	70.3	68.5	66.7	64.9	63.9	63.8	63.7	63.6	63.5
100°	91.2	90.0	88.2	86.6	84.8	83.2	82.3	82.3	82.3	82.3	82.3
102.5°	110.1	108.8	107.9	107.1	106.2	105.4	104.6	104.1	103.6	103.1	102.6
105°	141.3	140.5	139.7	138.9	138.2	137.4	136.7	136.0	135.4	134.8	134.1
107.5°	174.9	174.5	174.0	173.3	172.8	172.1	171.5	170.9	170.2	169.5	168.9
110°	198.0	197.6	197.2	196.8	196.4	196.0	195.5	194.9	194.2	193.5	192.9



TEST NUMBER: P333437-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	221.3	221.1	220.6	220.1	219.6	219.1	218.7	218.4	218.0	217.7	217.4
115°	256.8	257.0	256.7	256.4	256.2	256.0	255.6	255.0	254.5	254.0	253.5
117.5°	291.9	291.8	291.6	291.4	291.1	290.9	290.7	290.4	290.2	289.9	289.7
120°	315.8	315.8	315.7	315.5	315.4	315.3	314.9	314.3	313.5	312.9	312.3
122.5°	339.2	339.3	339.0	338.7	338.3	337.9	337.7	337.5	337.2	337.0	336.8
125°	373.8	374.0	373.9	373.8	373.6	373.5	373.0	372.2	371.5	370.7	369.9
127.5°	407.7	407.9	407.7	407.6	407.4	407.3	406.9	406.5	406.1	405.6	405.2
130°	430.3	430.5	430.2	429.9	429.7	429.4	429.0	428.3	427.7	427.0	426.4
132.5°	452.0	452.1	452.2	452.2	452.3	452.3	451.8	450.8	449.6	448.6	447.5
135°	485.1	485.1	485.1	484.9	484.7	484.7	484.2	483.4	482.6	481.8	481.0
137.5°	517.5	517.3	517.0	516.7	516.4	516.1	515.6	514.8	514.0	513.3	512.5
140°	537.7	537.5	537.1	536.7	536.3	535.9	535.4	534.7	534.1	533.5	532.8
142.5°	557.9	557.7	557.2	556.7	556.3	555.7	555.2	554.7	554.1	553.6	553.0
145°	586.9	586.9	586.5	586.1	585.7	585.3	584.9	584.3	583.8	583.3	582.8
147.5°	613.3	613.0	612.7	612.4	612.0	611.7	611.5	611.2	610.9	610.6	610.3
150°	630.4	630.4	629.9	629.4	628.8	628.4	628.1	628.3	628.4	628.5	628.7
152.5°	645.8	645.5	645.2	645.1	644.8	644.6	644.4	644.3	644.0	643.9	643.7
155°	668.0	667.5	667.3	667.2	667.1	666.9	666.9	666.9	666.9	666.9	666.9
157.5°	687.4	686.9	686.7	686.6	686.5	686.3	686.4	686.7	687.0	687.3	687.6
160°	699.2	698.6	698.5	698.4	698.2	698.1	698.2	698.6	699.0	699.4	699.8
162.5°	710.1	709.5	709.4	709.4	709.4	709.3	709.5	709.8	710.0	710.3	710.7
165°	725.0	724.5	724.4	724.2	724.1	724.0	724.1	724.3	724.6	724.8	725.1
167.5°	735.8	735.0	735.0	735.0	735.0	735.0	735.2	735.8	736.3	736.8	737.4
170°	742.4	741.6	741.6	741.6	741.6	741.6	741.8	742.4	742.8	743.4	743.9
172.5°	747.0	746.2	746.2	746.2	746.2	746.2	746.6	747.0	747.6	748.1	748.6
175°	752.3	751.5	751.5	751.5	751.5	751.5	751.8	752.3	752.9	753.4	753.9
177.5°	754.9	754.2	754.4	754.5	754.6	754.7	754.9	755.3	755.7	756.2	756.6
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



TEST NUMBER: P333437-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-UDD-A1

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	13.5	15.9	17.4	19.3	20.4	19.6	18.1	17.0	15.8
90°	1.7	2.7	3.7	4.8	5.8	6.7	7.6	8.5	9.4	10.1	10.7
92.5°	15.0	15.7	16.4	17.2	18.1	19.3	20.4	21.5	22.6	23.4	24.3
95°	38.5	38.7	39.0	39.3	40.1	41.4	42.7	44.0	45.3	46.2	47.1
97.5°	63.6	63.7	63.8	63.9	64.9	66.7	68.5	70.3	72.1	73.0	73.8
100°	82.3	82.3	82.3	82.3	83.2	84.8	86.6	88.2	90.0	91.2	92.3
102.5°	103.1	103.6	104.1	104.6	105.4	106.2	107.1	107.9	108.8	110.1	111.4
105°	134.8	135.4	136.0	136.7	137.4	138.2	138.9	139.7	140.5	141.3	142.1
107.5°	169.5	170.2	170.9	171.5	172.1	172.8	173.3	174.0	174.5	174.9	175.3
110°	193.5	194.2	194.9	195.5	196.0	196.4	196.8	197.2	197.6	198.0	198.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	217.7	218.0	218.4	218.7	219.1	219.6	220.1	220.6	221.1	221.3	221.5
115°	254.0	254.5	255.0	255.6	256.0	256.2	256.4	256.7	257.0	256.8	256.7
117.5°	289.9	290.2	290.4	290.7	290.9	291.1	291.4	291.6	291.8	291.9	292.0
120°	312.9	313.5	314.3	314.9	315.3	315.4	315.5	315.7	315.8	315.8	315.8
122.5°	337.0	337.2	337.5	337.7	337.9	338.3	338.7	339.0	339.3	339.2	339.1
125°	370.7	371.5	372.2	373.0	373.5	373.6	373.8	373.9	374.0	373.8	373.5
127.5°	405.6	406.1	406.5	406.9	407.3	407.4	407.6	407.7	407.9	407.7	407.7
130°	427.0	427.7	428.3	429.0	429.4	429.7	429.9	430.2	430.5	430.3	430.2
132.5°	448.6	449.6	450.8	451.8	452.3	452.3	452.2	452.2	452.1	452.0	451.9
135°	481.8	482.6	483.4	484.2	484.7	484.7	484.9	485.1	485.1	485.1	485.1
137.5°	513.3	514.0	514.8	515.6	516.1	516.4	516.7	517.0	517.3	517.5	517.6
140°	533.5	534.1	534.7	535.4	535.9	536.3	536.7	537.1	537.5	537.7	538.1
142.5°	553.6	554.1	554.7	555.2	555.7	556.3	556.7	557.2	557.7	557.9	558.0
145°	583.3	583.8	584.3	584.9	585.3	585.7	586.1	586.5	586.9	586.9	586.9
147.5°	610.6	610.9	611.2	611.5	611.7	612.0	612.4	612.7	613.0	613.3	613.6
150°	628.5	628.4	628.3	628.1	628.4	628.8	629.4	629.9	630.4	630.4	630.4
152.5°	643.9	644.0	644.3	644.4	644.6	644.8	645.1	645.2	645.5	645.8	646.1
155°	666.9	666.9	666.9	666.9	666.9	667.1	667.2	667.3	667.5	668.0	668.5
157.5°	687.3	687.0	686.7	686.4	686.3	686.5	686.6	686.7	686.9	687.4	687.9
160°	699.4	699.0	698.6	698.2	698.1	698.2	698.4	698.5	698.6	699.2	699.7
162.5°	710.3	710.0	709.8	709.5	709.3	709.4	709.4	709.4	709.5	710.1	710.7
165°	724.8	724.6	724.3	724.1	724.0	724.1	724.2	724.4	724.5	725.0	725.6
167.5°	736.8	736.3	735.8	735.2	735.0	735.0	735.0	735.0	735.0	735.8	736.6
170°	743.4	742.8	742.4	741.8	741.6	741.6	741.6	741.6	741.6	742.4	743.1
172.5°	748.1	747.6	747.0	746.6	746.2	746.2	746.2	746.2	746.2	747.0	747.8
175°	753.4	752.9	752.3	751.8	751.5	751.5	751.5	751.5	751.5	752.3	753.1
177.5°	756.2	755.7	755.3	754.9	754.7	754.6	754.5	754.4	754.2	754.9	755.5
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7	755.7



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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°	15.9	14.4	14.5	14.1	14.2	13.9	13.1
90°	11.4	12.0	12.5	12.9	13.3	13.7	14.1
92.5°	25.2	26.1	26.6	26.9	27.2	27.5	27.7
95°	48.0	49.0	49.5	49.8	50.1	50.3	50.5
97.5°	74.7	75.6	76.0	76.2	76.4	76.5	76.7
100°	93.5	94.7	95.4	95.7	95.9	96.2	96.4
102.5°	112.6	113.9	114.7	115.1	115.5	115.8	116.2
105°	142.9	143.7	144.3	144.7	145.0	145.4	145.8
107.5°	175.7	176.1	176.3	176.3	176.3	176.2	176.2
110°	198.8	199.2	199.3	199.2	199.0	198.9	198.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	221.7	221.8	221.8	221.6	221.3	221.1	220.9
115°	256.6	256.4	256.4	256.2	256.1	256.0	255.8
117.5°	292.1	292.2	292.0	291.5	291.0	290.4	289.9
120°	315.8	315.8	315.5	315.1	314.5	313.9	313.5
122.5°	339.0	338.9	338.7	338.2	337.8	337.4	337.0
125°	373.2	373.0	372.8	372.6	372.5	372.4	372.2
127.5°	407.5	407.3	407.2	406.9	406.6	406.4	406.2
130°	430.1	429.9	429.8	429.5	429.2	429.0	428.7
132.5°	451.7	451.6	451.3	451.0	450.6	450.3	449.9
135°	485.1	485.1	484.9	484.3	483.9	483.3	482.8
137.5°	517.8	517.9	517.6	517.0	516.3	515.7	515.0
140°	538.3	538.5	538.4	537.7	537.0	536.4	535.8
142.5°	558.2	558.3	558.1	557.5	556.8	556.1	555.5
145°	586.9	586.9	586.7	586.3	585.9	585.5	585.1
147.5°	613.9	614.3	613.9	613.1	612.2	611.3	610.5
150°	630.4	630.4	630.3	630.0	629.8	629.5	629.2
152.5°	646.4	646.7	646.7	646.2	645.7	645.2	644.8
155°	669.0	669.6	669.5	668.8	668.2	667.5	666.9
157.5°	688.4	689.0	688.8	687.9	687.1	686.2	685.3
160°	700.2	700.7	700.7	700.0	699.3	698.7	698.1
162.5°	711.3	711.9	711.9	711.1	710.3	709.6	708.8
165°	726.1	726.6	726.4	725.7	724.9	724.1	723.3
167.5°	737.4	738.1	738.1	737.3	736.5	735.7	734.8
170°	743.9	744.7	744.7	743.7	742.8	741.9	741.0
172.5°	748.6	749.4	749.4	748.6	747.7	746.9	746.2
175°	753.9	754.7	754.6	753.7	752.8	751.9	751.0
177.5°	756.1	756.8	756.7	756.0	755.3	754.6	753.8
180°	755.7	755.7	755.7	755.7	755.7	755.7	755.7

(END OF REPORT)