

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: P333436-927

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333436-927
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: S125DIW-S1090D770U927-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5987.9 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

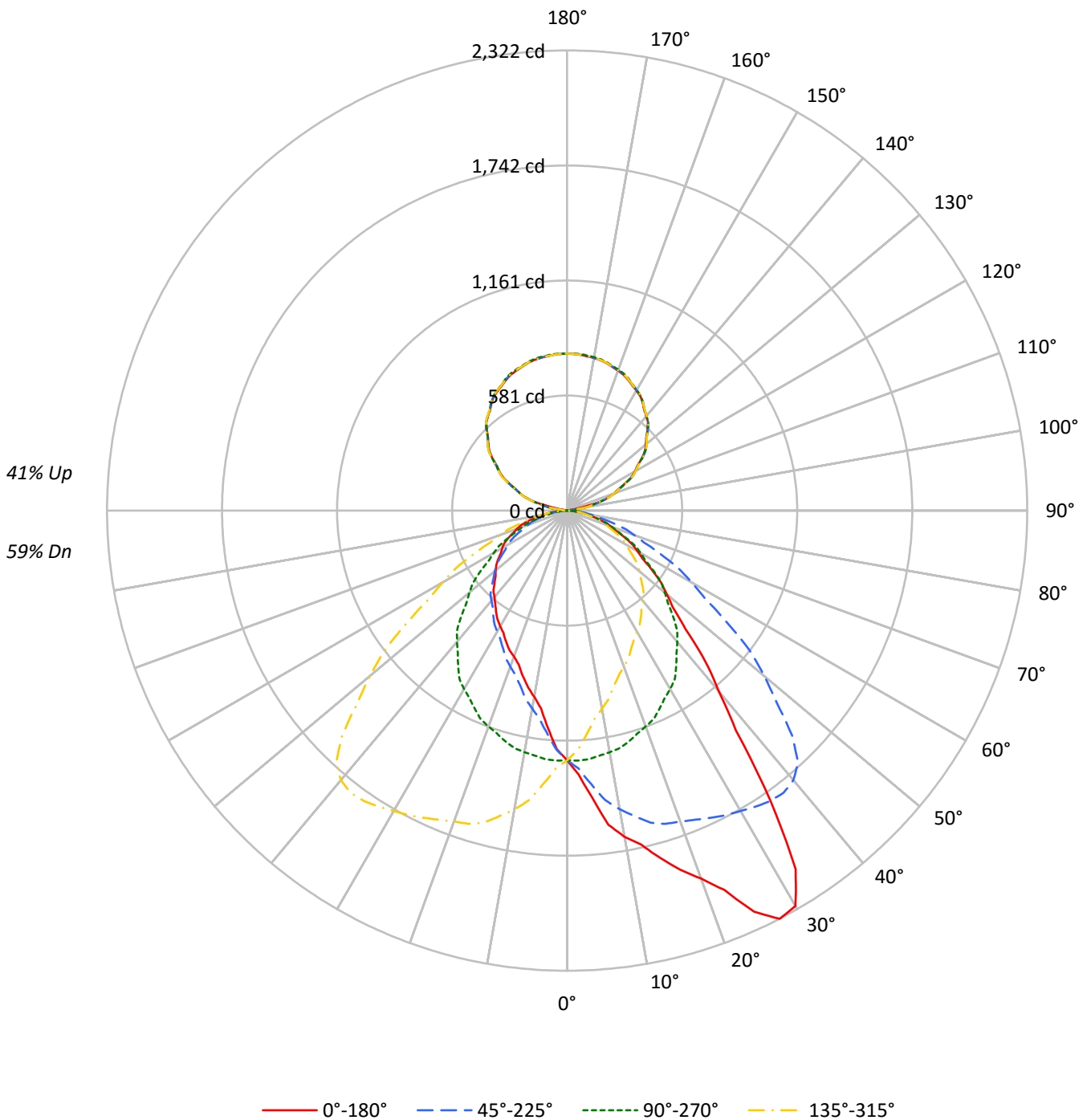
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59
1	100	96	92	89	93	90	86	83	78	76	73	67	66	64	58	56	55	51
2	91	84	78	73	85	79	73	69	69	65	61	60	57	54	51	49	47	43
3	84	74	67	61	78	69	63	58	61	56	52	53	49	46	45	43	40	36
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	41	37	35	31
5	70	59	51	44	65	55	48	42	49	43	38	42	38	34	37	33	30	27
6	65	53	45	39	60	50	42	37	44	38	34	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	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	2.0
10°-20°	361.1	6.0
20°-30°	586.3	9.8
30°-40°	715.2	11.9
40°-50°	650.6	10.9
50°-60°	518.2	8.7
60°-70°	361.0	6.0
70°-80°	192.5	3.2
80°-90°	50.2	0.8
90°-100°	28.8	0.5
100°-110°	177.3	3.0
110°-120°	321.6	5.4
120°-130°	412.8	6.9
130°-140°	444.0	7.4
140°-150°	416.7	7.0
150°-160°	337.1	5.6
160°-170°	218.0	3.6
170°-180°	75.2	1.3
0°-30°	1068.7	17.8
0°-40°	1783.8	29.8
0°-60°	2952.7	49.3
0°-90°	3556.3	59.4
90°-120°	527.8	8.8
90°-150°	1801.3	30.1
90°-180°	2432.0	40.6
0°-180°	5987.9	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	7
95°	12	33	12	33	12	10
105°	174	172	174	172	174	158
115°	322	324	322	324	322	319
125°	461	461	461	461	461	410
135°	572	575	572	575	572	442
145°	664	666	664	666	664	415
155°	728	734	728	734	728	336
165°	770	774	770	774	770	217
175°	788	792	788	792	788	75
180°	792	792	792	792	792	



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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	14.3	15.9	15.8	17.0	18.1	19.6
90°	14.1	13.7	13.3	12.9	12.5	12.0	11.3	10.7	10.1	9.4	8.5
92.5°	13.2	13.0	12.8	12.6	12.4	12.0	11.3	10.7	10.1	9.4	8.6
95°	12.4	12.4	12.4	12.4	12.4	12.0	11.3	10.7	10.1	9.4	14.3
97.5°	12.4	12.4	12.4	12.4	12.4	14.2	17.8	21.5	25.2	28.9	38.7
100°	12.4	12.8	13.4	13.9	14.4	24.4	43.8	63.3	82.7	102.1	101.6
102.5°	73.8	82.7	91.6	100.4	109.3	115.6	119.3	122.9	126.7	130.3	130.0
105°	174.4	174.4	174.6	174.8	174.8	174.9	174.9	174.9	174.9	174.9	174.9
107.5°	219.8	220.1	220.5	220.9	221.3	221.5	221.5	221.5	221.4	221.4	221.2
110°	251.2	251.1	251.0	250.8	250.7	250.8	251.2	251.6	252.0	252.4	252.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	279.4	279.6	279.8	280.0	280.1	280.4	281.0	281.5	281.9	282.5	282.3
115°	321.6	322.4	323.2	324.0	324.8	325.4	326.0	326.5	327.0	327.6	327.4
117.5°	366.8	367.1	367.4	367.7	368.1	368.6	369.3	369.9	370.7	371.3	370.8
120°	394.4	395.1	395.8	396.4	397.0	397.5	397.8	398.1	398.3	398.5	398.2
122.5°	420.7	421.5	422.2	423.0	423.7	424.3	424.5	424.8	425.1	425.3	425.2
125°	460.8	461.2	461.5	461.9	462.3	462.8	463.3	463.8	464.4	464.9	464.9
127.5°	494.5	495.4	496.4	497.3	498.4	499.0	499.2	499.6	499.8	500.1	500.2
130°	518.9	519.5	520.2	520.9	521.5	522.0	522.4	522.8	523.2	523.6	523.5
132.5°	541.5	542.1	542.7	543.4	544.1	544.4	544.5	544.5	544.6	544.7	545.0
135°	572.3	573.1	573.9	574.6	575.4	576.0	576.2	576.5	576.7	577.0	577.3
137.5°	603.3	604.0	604.7	605.3	606.0	606.3	606.3	606.3	606.2	606.1	606.3
140°	621.6	622.4	623.2	623.9	624.7	625.0	624.7	624.5	624.2	623.9	624.1
142.5°	639.0	639.8	640.6	641.4	642.1	642.5	642.5	642.4	642.3	642.3	642.1
145°	664.5	665.3	666.0	666.8	667.6	667.9	667.8	667.7	667.5	667.4	667.4
147.5°	685.5	686.4	687.4	688.3	689.2	689.6	689.4	689.3	689.1	689.0	688.8
150°	699.1	700.1	701.2	702.2	703.3	703.7	703.4	703.1	702.9	702.6	702.3
152.5°	711.8	712.7	713.7	714.5	715.5	715.9	715.6	715.3	715.1	714.8	714.5
155°	728.4	729.5	730.6	731.6	732.6	732.9	732.5	732.1	731.7	731.3	731.1
157.5°	742.4	743.5	744.5	745.5	746.6	746.9	746.5	746.1	745.7	745.2	745.2
160°	751.3	752.4	753.4	754.5	755.5	755.7	755.3	754.7	754.2	753.7	753.5
162.5°	759.3	760.5	761.6	762.8	763.9	764.1	763.3	762.6	761.9	761.2	761.0
165°	770.1	771.2	772.2	773.2	774.3	774.4	773.6	772.9	772.1	771.3	771.2
167.5°	777.6	778.8	780.0	781.2	782.4	782.4	781.5	780.5	779.6	778.7	778.6
170°	781.9	783.0	784.2	785.4	786.6	786.6	785.6	784.5	783.5	782.4	782.3
172.5°	784.7	785.8	787.0	788.2	789.3	789.5	788.5	787.6	786.6	785.8	785.5
175°	788.3	789.5	790.7	791.9	793.0	793.1	792.0	791.0	790.0	788.9	788.8
177.5°	790.4	791.2	792.1	792.9	793.8	793.8	793.1	792.3	791.6	790.9	790.8
180°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9



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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	5.7	4.8	3.7	2.7	1.7	0.6	1.7	2.7	3.7
92.5°	7.8	7.0	6.2	6.1	6.8	7.6	8.3	9.0	8.3	7.6	6.8
95°	19.3	24.2	29.2	31.9	32.3	32.6	33.0	33.4	33.0	32.6	32.3
97.5°	48.5	58.3	68.1	72.6	71.9	71.3	70.6	69.9	70.6	71.3	71.9
100°	101.1	100.6	100.1	99.6	99.2	98.8	98.4	98.0	98.4	98.8	99.2
102.5°	129.7	129.4	129.0	128.7	128.2	127.7	127.1	126.7	127.1	127.7	128.2
105°	174.9	174.9	174.9	174.7	174.1	173.6	173.1	172.5	173.1	173.6	174.1
107.5°	220.9	220.6	220.4	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2
110°	251.9	251.6	251.4	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2



TEST NUMBER: P333436-927

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	282.2	282.0	281.9	281.6	281.3	281.0	280.7	280.4	280.7	281.0	281.3
115°	327.3	327.2	327.0	326.6	326.0	325.3	324.6	324.0	324.6	325.3	326.0
117.5°	370.3	369.9	369.3	369.1	369.2	369.2	369.2	369.2	369.2	369.2	369.2
120°	397.8	397.4	397.0	396.9	397.0	397.1	397.3	397.4	397.3	397.1	397.0
122.5°	424.9	424.8	424.6	424.3	423.7	423.3	422.8	422.2	422.8	423.3	423.7
125°	464.9	464.9	464.9	464.5	463.5	462.6	461.7	460.8	461.7	462.6	463.5
127.5°	500.3	500.3	500.4	500.1	499.5	498.8	498.2	497.5	498.2	498.8	499.5
130°	523.3	523.2	523.1	522.7	522.0	521.3	520.7	520.1	520.7	521.3	522.0
132.5°	545.3	545.6	545.9	545.7	544.9	544.2	543.4	542.6	543.4	544.2	544.9
135°	577.5	577.8	578.1	577.8	577.0	576.2	575.4	574.6	575.4	576.2	577.0
137.5°	606.6	606.8	607.0	606.8	606.2	605.5	604.8	604.1	604.8	605.5	606.2
140°	624.2	624.3	624.5	624.4	624.2	623.9	623.6	623.4	623.6	623.9	624.2
142.5°	641.9	641.7	641.5	641.4	641.2	641.0	640.9	640.7	640.9	641.0	641.2
145°	667.4	667.4	667.4	667.3	667.0	666.8	666.5	666.2	666.5	666.8	667.0
147.5°	688.6	688.6	688.4	688.3	688.4	688.4	688.5	688.6	688.5	688.4	688.4
150°	702.1	701.8	701.6	701.6	701.8	702.1	702.3	702.6	702.3	702.1	701.8
152.5°	714.3	714.1	713.8	713.9	714.5	715.1	715.7	716.2	715.7	715.1	714.5
155°	730.9	730.6	730.3	730.6	731.3	732.1	732.9	733.7	732.9	732.1	731.3
157.5°	745.2	745.1	745.1	745.4	745.8	746.3	746.8	747.2	746.8	746.3	745.8
160°	753.4	753.3	753.1	753.5	754.2	755.0	755.8	756.6	755.8	755.0	754.2
162.5°	761.0	760.8	760.7	761.0	761.8	762.6	763.3	764.1	763.3	762.6	761.8
165°	771.0	770.9	770.8	771.1	771.9	772.7	773.4	774.2	773.4	772.7	771.9
167.5°	778.4	778.3	778.2	778.5	779.3	780.1	780.9	781.7	780.9	780.1	779.3
170°	782.2	782.0	781.9	782.3	783.2	784.1	785.1	786.0	785.1	784.1	783.2
172.5°	785.3	785.1	784.8	785.1	786.0	787.0	787.9	788.8	787.9	787.0	786.0
175°	788.6	788.5	788.4	788.7	789.5	790.3	791.1	791.9	791.1	790.3	789.5
177.5°	790.7	790.6	790.4	790.8	791.4	792.0	792.6	793.2	792.6	792.0	791.4
180°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9



TEST NUMBER: P333436-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-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°	11.6	12.7	12.4	13.1	13.2	14.3	14.0	15.8	16.8	17.8	17.5
90°	4.8	5.7	6.7	7.6	8.5	9.4	10.1	10.7	11.3	12.0	12.5
92.5°	6.1	6.2	7.0	7.8	8.6	9.4	10.1	10.7	11.3	12.0	12.4
95°	31.9	29.2	24.2	19.3	14.3	9.4	10.1	10.7	11.3	12.0	12.4
97.5°	72.6	68.1	58.3	48.5	38.7	28.9	25.2	21.5	17.8	14.2	12.4
100°	99.6	100.1	100.6	101.1	101.6	102.1	82.7	63.3	43.8	24.4	14.4
102.5°	128.7	129.0	129.4	129.7	130.0	130.3	126.7	122.9	119.3	115.6	109.3
105°	174.7	174.9	174.9	174.9	174.9	174.9	174.9	174.9	174.9	174.9	174.8
107.5°	220.2	220.4	220.6	220.9	221.2	221.4	221.4	221.5	221.5	221.5	221.3
110°	251.2	251.4	251.6	251.9	252.2	252.4	252.0	251.6	251.2	250.8	250.7



TEST NUMBER: P333436-927

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	281.6	281.9	282.0	282.2	282.3	282.5	281.9	281.5	281.0	280.4	280.1
115°	326.6	327.0	327.2	327.3	327.4	327.6	327.0	326.5	326.0	325.4	324.8
117.5°	369.1	369.3	369.9	370.3	370.8	371.3	370.7	369.9	369.3	368.6	368.1
120°	396.9	397.0	397.4	397.8	398.2	398.5	398.3	398.1	397.8	397.5	397.0
122.5°	424.3	424.6	424.8	424.9	425.2	425.3	425.1	424.8	424.5	424.3	423.7
125°	464.5	464.9	464.9	464.9	464.9	464.9	464.4	463.8	463.3	462.8	462.3
127.5°	500.1	500.4	500.3	500.3	500.2	500.1	499.8	499.6	499.2	499.0	498.4
130°	522.7	523.1	523.2	523.3	523.5	523.6	523.2	522.8	522.4	522.0	521.5
132.5°	545.7	545.9	545.6	545.3	545.0	544.7	544.6	544.5	544.5	544.4	544.1
135°	577.8	578.1	577.8	577.5	577.3	577.0	576.7	576.5	576.2	576.0	575.4
137.5°	606.8	607.0	606.8	606.6	606.3	606.1	606.2	606.3	606.3	606.3	606.0
140°	624.4	624.5	624.3	624.2	624.1	623.9	624.2	624.5	624.7	625.0	624.7
142.5°	641.4	641.5	641.7	641.9	642.1	642.3	642.3	642.4	642.5	642.5	642.1
145°	667.3	667.4	667.4	667.4	667.4	667.4	667.5	667.7	667.8	667.9	667.6
147.5°	688.3	688.4	688.6	688.6	688.8	689.0	689.1	689.3	689.4	689.6	689.2
150°	701.6	701.6	701.8	702.1	702.3	702.6	702.9	703.1	703.4	703.7	703.3
152.5°	713.9	713.8	714.1	714.3	714.5	714.8	715.1	715.3	715.6	715.9	715.5
155°	730.6	730.3	730.6	730.9	731.1	731.3	731.7	732.1	732.5	732.9	732.6
157.5°	745.4	745.1	745.1	745.2	745.2	745.2	745.7	746.1	746.5	746.9	746.6
160°	753.5	753.1	753.3	753.4	753.5	753.7	754.2	754.7	755.3	755.7	755.5
162.5°	761.0	760.7	760.8	761.0	761.0	761.2	761.9	762.6	763.3	764.1	763.9
165°	771.1	770.8	770.9	771.0	771.2	771.3	772.1	772.9	773.6	774.4	774.3
167.5°	778.5	778.2	778.3	778.4	778.6	778.7	779.6	780.5	781.5	782.4	782.4
170°	782.3	781.9	782.0	782.2	782.3	782.4	783.5	784.5	785.6	786.6	786.6
172.5°	785.1	784.8	785.1	785.3	785.5	785.8	786.6	787.6	788.5	789.5	789.3
175°	788.7	788.4	788.5	788.6	788.8	788.9	790.0	791.0	792.0	793.1	793.0
177.5°	790.8	790.4	790.6	790.7	790.8	790.9	791.6	792.3	793.1	793.8	793.8
180°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9



TEST NUMBER: P333436-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-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°	18.4	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	11.3	10.7
92.5°	12.6	12.8	13.0	13.2	13.0	12.8	12.6	12.4	12.0	11.3	10.7
95°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.0	11.3	10.7
97.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	14.2	17.8	21.5
100°	13.9	13.4	12.8	12.4	12.8	13.4	13.9	14.4	24.4	43.8	63.3
102.5°	100.4	91.6	82.7	73.8	82.7	91.6	100.4	109.3	115.6	119.3	122.9
105°	174.8	174.6	174.4	174.4	174.4	174.6	174.8	174.8	174.9	174.9	174.9
107.5°	220.9	220.5	220.1	219.8	220.1	220.5	220.9	221.3	221.5	221.5	221.5
110°	250.8	251.0	251.1	251.2	251.1	251.0	250.8	250.7	250.8	251.2	251.6



TEST NUMBER: P333436-927

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	280.0	279.8	279.6	279.4	279.6	279.8	280.0	280.1	280.4	281.0	281.5
115°	324.0	323.2	322.4	321.6	322.4	323.2	324.0	324.8	325.4	326.0	326.5
117.5°	367.7	367.4	367.1	366.8	367.1	367.4	367.7	368.1	368.6	369.3	369.9
120°	396.4	395.8	395.1	394.4	395.1	395.8	396.4	397.0	397.5	397.8	398.1
122.5°	423.0	422.2	421.5	420.7	421.5	422.2	423.0	423.7	424.3	424.5	424.8
125°	461.9	461.5	461.2	460.8	461.2	461.5	461.9	462.3	462.8	463.3	463.8
127.5°	497.3	496.4	495.4	494.5	495.4	496.4	497.3	498.4	499.0	499.2	499.6
130°	520.9	520.2	519.5	518.9	519.5	520.2	520.9	521.5	522.0	522.4	522.8
132.5°	543.4	542.7	542.1	541.5	542.1	542.7	543.4	544.1	544.4	544.5	544.5
135°	574.6	573.9	573.1	572.3	573.1	573.9	574.6	575.4	576.0	576.2	576.5
137.5°	605.3	604.7	604.0	603.3	604.0	604.7	605.3	606.0	606.3	606.3	606.3
140°	623.9	623.2	622.4	621.6	622.4	623.2	623.9	624.7	625.0	624.7	624.5
142.5°	641.4	640.6	639.8	639.0	639.8	640.6	641.4	642.1	642.5	642.5	642.4
145°	666.8	666.0	665.3	664.5	665.3	666.0	666.8	667.6	667.9	667.8	667.7
147.5°	688.3	687.4	686.4	685.5	686.4	687.4	688.3	689.2	689.6	689.4	689.3
150°	702.2	701.2	700.1	699.1	700.1	701.2	702.2	703.3	703.7	703.4	703.1
152.5°	714.5	713.7	712.7	711.8	712.7	713.7	714.5	715.5	715.9	715.6	715.3
155°	731.6	730.6	729.5	728.4	729.5	730.6	731.6	732.6	732.9	732.5	732.1
157.5°	745.5	744.5	743.5	742.4	743.5	744.5	745.5	746.6	746.9	746.5	746.1
160°	754.5	753.4	752.4	751.3	752.4	753.4	754.5	755.5	755.7	755.3	754.7
162.5°	762.8	761.6	760.5	759.3	760.5	761.6	762.8	763.9	764.1	763.3	762.6
165°	773.2	772.2	771.2	770.1	771.2	772.2	773.2	774.3	774.4	773.6	772.9
167.5°	781.2	780.0	778.8	777.6	778.8	780.0	781.2	782.4	782.4	781.5	780.5
170°	785.4	784.2	783.0	781.9	783.0	784.2	785.4	786.6	786.6	785.6	784.5
172.5°	788.2	787.0	785.8	784.7	785.8	787.0	788.2	789.3	789.5	788.5	787.6
175°	791.9	790.7	789.5	788.3	789.5	790.7	791.9	793.0	793.1	792.0	791.0
177.5°	792.9	792.1	791.2	790.4	791.2	792.1	792.9	793.8	793.8	793.1	792.3
180°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9



TEST NUMBER: P333436-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-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°	14.0	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	5.7	4.8	3.7	2.7	1.7	0.6
92.5°	10.1	9.4	8.6	7.8	7.0	6.2	6.1	6.8	7.6	8.3	9.0
95°	10.1	9.4	14.3	19.3	24.2	29.2	31.9	32.3	32.6	33.0	33.4
97.5°	25.2	28.9	38.7	48.5	58.3	68.1	72.6	71.9	71.3	70.6	69.9
100°	82.7	102.1	101.6	101.1	100.6	100.1	99.6	99.2	98.8	98.4	98.0
102.5°	126.7	130.3	130.0	129.7	129.4	129.0	128.7	128.2	127.7	127.1	126.7
105°	174.9	174.9	174.9	174.9	174.9	174.9	174.7	174.1	173.6	173.1	172.5
107.5°	221.4	221.4	221.2	220.9	220.6	220.4	220.2	220.2	220.2	220.2	220.2
110°	252.0	252.4	252.2	251.9	251.6	251.4	251.2	251.2	251.2	251.2	251.2



TEST NUMBER: P333436-927

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	281.9	282.5	282.3	282.2	282.0	281.9	281.6	281.3	281.0	280.7	280.4
115°	327.0	327.6	327.4	327.3	327.2	327.0	326.6	326.0	325.3	324.6	324.0
117.5°	370.7	371.3	370.8	370.3	369.9	369.3	369.1	369.2	369.2	369.2	369.2
120°	398.3	398.5	398.2	397.8	397.4	397.0	396.9	397.0	397.1	397.3	397.4
122.5°	425.1	425.3	425.2	424.9	424.8	424.6	424.3	423.7	423.3	422.8	422.2
125°	464.4	464.9	464.9	464.9	464.9	464.9	464.5	463.5	462.6	461.7	460.8
127.5°	499.8	500.1	500.2	500.3	500.3	500.4	500.1	499.5	498.8	498.2	497.5
130°	523.2	523.6	523.5	523.3	523.2	523.1	522.7	522.0	521.3	520.7	520.1
132.5°	544.6	544.7	545.0	545.3	545.6	545.9	545.7	544.9	544.2	543.4	542.6
135°	576.7	577.0	577.3	577.5	577.8	578.1	577.8	577.0	576.2	575.4	574.6
137.5°	606.2	606.1	606.3	606.6	606.8	607.0	606.8	606.2	605.5	604.8	604.1
140°	624.2	623.9	624.1	624.2	624.3	624.5	624.4	624.2	623.9	623.6	623.4
142.5°	642.3	642.3	642.1	641.9	641.7	641.5	641.4	641.2	641.0	640.9	640.7
145°	667.5	667.4	667.4	667.4	667.4	667.4	667.3	667.0	666.8	666.5	666.2
147.5°	689.1	689.0	688.8	688.6	688.6	688.4	688.3	688.4	688.4	688.5	688.6
150°	702.9	702.6	702.3	702.1	701.8	701.6	701.6	701.8	702.1	702.3	702.6
152.5°	715.1	714.8	714.5	714.3	714.1	713.8	713.9	714.5	715.1	715.7	716.2
155°	731.7	731.3	731.1	730.9	730.6	730.3	730.6	731.3	732.1	732.9	733.7
157.5°	745.7	745.2	745.2	745.2	745.1	745.1	745.4	745.8	746.3	746.8	747.2
160°	754.2	753.7	753.5	753.4	753.3	753.1	753.5	754.2	755.0	755.8	756.6
162.5°	761.9	761.2	761.0	761.0	760.8	760.7	761.0	761.8	762.6	763.3	764.1
165°	772.1	771.3	771.2	771.0	770.9	770.8	771.1	771.9	772.7	773.4	774.2
167.5°	779.6	778.7	778.6	778.4	778.3	778.2	778.5	779.3	780.1	780.9	781.7
170°	783.5	782.4	782.3	782.2	782.0	781.9	782.3	783.2	784.1	785.1	786.0
172.5°	786.6	785.8	785.5	785.3	785.1	784.8	785.1	786.0	787.0	787.9	788.8
175°	790.0	788.9	788.8	788.6	788.5	788.4	788.7	789.5	790.3	791.1	791.9
177.5°	791.6	790.9	790.8	790.7	790.6	790.4	790.8	791.4	792.0	792.6	793.2
180°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9



TEST NUMBER: P333436-927

CATALOG NUMBER: S125DIW-S1090D770U927-4F0-1E-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	13.5	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	5.7	6.7	7.6	8.5	9.4	10.1	10.7
92.5°	8.3	7.6	6.8	6.1	6.2	7.0	7.8	8.6	9.4	10.1	10.7
95°	33.0	32.6	32.3	31.9	29.2	24.2	19.3	14.3	9.4	10.1	10.7
97.5°	70.6	71.3	71.9	72.6	68.1	58.3	48.5	38.7	28.9	25.2	21.5
100°	98.4	98.8	99.2	99.6	100.1	100.6	101.1	101.6	102.1	82.7	63.3
102.5°	127.1	127.7	128.2	128.7	129.0	129.4	129.7	130.0	130.3	126.7	122.9
105°	173.1	173.6	174.1	174.7	174.9	174.9	174.9	174.9	174.9	174.9	174.9
107.5°	220.2	220.2	220.2	220.2	220.4	220.6	220.9	221.2	221.4	221.4	221.5
110°	251.2	251.2	251.2	251.2	251.4	251.6	251.9	252.2	252.4	252.0	251.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	280.7	281.0	281.3	281.6	281.9	282.0	282.2	282.3	282.5	281.9	281.5
115°	324.6	325.3	326.0	326.6	327.0	327.2	327.3	327.4	327.6	327.0	326.5
117.5°	369.2	369.2	369.2	369.1	369.3	369.9	370.3	370.8	371.3	370.7	369.9
120°	397.3	397.1	397.0	396.9	397.0	397.4	397.8	398.2	398.5	398.3	398.1
122.5°	422.8	423.3	423.7	424.3	424.6	424.8	424.9	425.2	425.3	425.1	424.8
125°	461.7	462.6	463.5	464.5	464.9	464.9	464.9	464.9	464.9	464.4	463.8
127.5°	498.2	498.8	499.5	500.1	500.4	500.3	500.3	500.2	500.1	499.8	499.6
130°	520.7	521.3	522.0	522.7	523.1	523.2	523.3	523.5	523.6	523.2	522.8
132.5°	543.4	544.2	544.9	545.7	545.9	545.6	545.3	545.0	544.7	544.6	544.5
135°	575.4	576.2	577.0	577.8	578.1	577.8	577.5	577.3	577.0	576.7	576.5
137.5°	604.8	605.5	606.2	606.8	607.0	606.8	606.6	606.3	606.1	606.2	606.3
140°	623.6	623.9	624.2	624.4	624.5	624.3	624.2	624.1	623.9	624.2	624.5
142.5°	640.9	641.0	641.2	641.4	641.5	641.7	641.9	642.1	642.3	642.3	642.4
145°	666.5	666.8	667.0	667.3	667.4	667.4	667.4	667.4	667.4	667.5	667.7
147.5°	688.5	688.4	688.4	688.3	688.4	688.6	688.6	688.8	689.0	689.1	689.3
150°	702.3	702.1	701.8	701.6	701.6	701.8	702.1	702.3	702.6	702.9	703.1
152.5°	715.7	715.1	714.5	713.9	713.8	714.1	714.3	714.5	714.8	715.1	715.3
155°	732.9	732.1	731.3	730.6	730.3	730.6	730.9	731.1	731.3	731.7	732.1
157.5°	746.8	746.3	745.8	745.4	745.1	745.1	745.2	745.2	745.2	745.7	746.1
160°	755.8	755.0	754.2	753.5	753.1	753.3	753.4	753.5	753.7	754.2	754.7
162.5°	763.3	762.6	761.8	761.0	760.7	760.8	761.0	761.0	761.2	761.9	762.6
165°	773.4	772.7	771.9	771.1	770.8	770.9	771.0	771.2	771.3	772.1	772.9
167.5°	780.9	780.1	779.3	778.5	778.2	778.3	778.4	778.6	778.7	779.6	780.5
170°	785.1	784.1	783.2	782.3	781.9	782.0	782.2	782.3	782.4	783.5	784.5
172.5°	787.9	787.0	786.0	785.1	784.8	785.1	785.3	785.5	785.8	786.6	787.6
175°	791.1	790.3	789.5	788.7	788.4	788.5	788.6	788.8	788.9	790.0	791.0
177.5°	792.6	792.0	791.4	790.8	790.4	790.6	790.7	790.8	790.9	791.6	792.3
180°	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9	791.9



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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	14.3	14.5	14.1	14.2	13.9	13.1
90°	11.3	12.0	12.5	12.9	13.3	13.7	14.1
92.5°	11.3	12.0	12.4	12.6	12.8	13.0	13.2
95°	11.3	12.0	12.4	12.4	12.4	12.4	12.4
97.5°	17.8	14.2	12.4	12.4	12.4	12.4	12.4
100°	43.8	24.4	14.4	13.9	13.4	12.8	12.4
102.5°	119.3	115.6	109.3	100.4	91.6	82.7	73.8
105°	174.9	174.9	174.8	174.8	174.6	174.4	174.4
107.5°	221.5	221.5	221.3	220.9	220.5	220.1	219.8
110°	251.2	250.8	250.7	250.8	251.0	251.1	251.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	281.0	280.4	280.1	280.0	279.8	279.6	279.4
115°	326.0	325.4	324.8	324.0	323.2	322.4	321.6
117.5°	369.3	368.6	368.1	367.7	367.4	367.1	366.8
120°	397.8	397.5	397.0	396.4	395.8	395.1	394.4
122.5°	424.5	424.3	423.7	423.0	422.2	421.5	420.7
125°	463.3	462.8	462.3	461.9	461.5	461.2	460.8
127.5°	499.2	499.0	498.4	497.3	496.4	495.4	494.5
130°	522.4	522.0	521.5	520.9	520.2	519.5	518.9
132.5°	544.5	544.4	544.1	543.4	542.7	542.1	541.5
135°	576.2	576.0	575.4	574.6	573.9	573.1	572.3
137.5°	606.3	606.3	606.0	605.3	604.7	604.0	603.3
140°	624.7	625.0	624.7	623.9	623.2	622.4	621.6
142.5°	642.5	642.5	642.1	641.4	640.6	639.8	639.0
145°	667.8	667.9	667.6	666.8	666.0	665.3	664.5
147.5°	689.4	689.6	689.2	688.3	687.4	686.4	685.5
150°	703.4	703.7	703.3	702.2	701.2	700.1	699.1
152.5°	715.6	715.9	715.5	714.5	713.7	712.7	711.8
155°	732.5	732.9	732.6	731.6	730.6	729.5	728.4
157.5°	746.5	746.9	746.6	745.5	744.5	743.5	742.4
160°	755.3	755.7	755.5	754.5	753.4	752.4	751.3
162.5°	763.3	764.1	763.9	762.8	761.6	760.5	759.3
165°	773.6	774.4	774.3	773.2	772.2	771.2	770.1
167.5°	781.5	782.4	782.4	781.2	780.0	778.8	777.6
170°	785.6	786.6	786.6	785.4	784.2	783.0	781.9
172.5°	788.5	789.5	789.3	788.2	787.0	785.8	784.7
175°	792.0	793.1	793.0	791.9	790.7	789.5	788.3
177.5°	793.1	793.8	793.8	792.9	792.1	791.2	790.4
180°	791.9	791.9	791.9	791.9	791.9	791.9	791.9

(END OF REPORT)