

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: P333430-930

Luminaire Tested: **S125DIW-S1090D470U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333430-930
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-S1090D470U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5187.4 lumens
Efficiency: N/A
Efficacy: 112.3 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

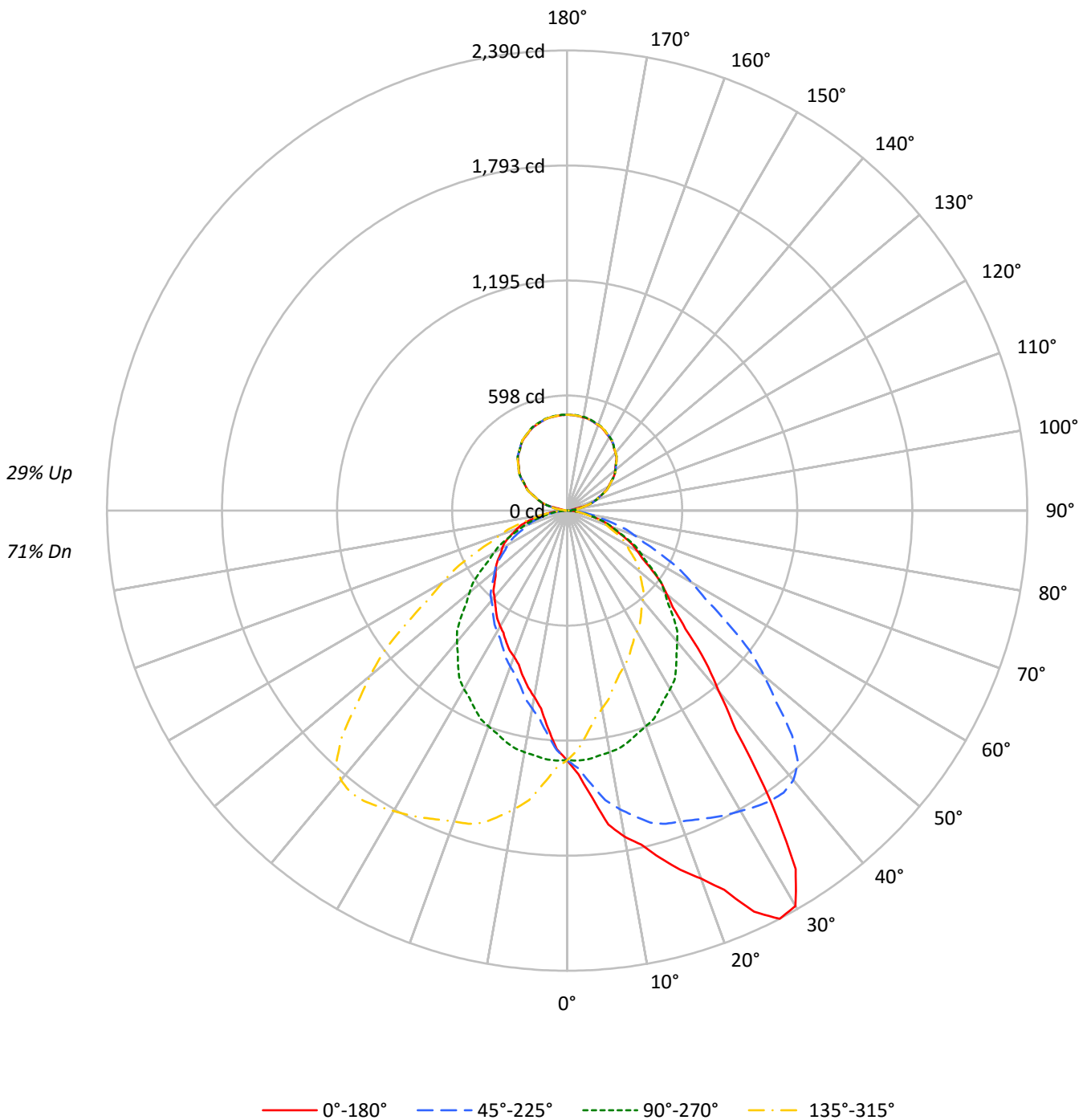
Input Watts (W): 46.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	71
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	65	64	60
2	94	86	80	75	89	82	76	72	74	69	66	66	63	60	59	57	54	51
3	86	76	69	63	81	72	66	60	65	60	56	59	55	51	53	49	47	43
4	79	68	60	53	74	64	57	51	58	52	48	53	48	44	47	43	40	37
5	72	60	52	46	68	58	50	44	52	46	41	47	42	38	43	39	35	33
6	67	54	46	40	63	52	44	39	47	41	36	43	38	34	39	34	31	29
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28	25
8	57	45	37	31	54	43	36	30	39	33	29	36	31	27	33	28	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	28	24	20	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8373	8373	8373	8373
5°	9697	8401	7356	8401
10°	11281	8358	6445	8358
15°	12488	8297	5945	8297
20°	13978	8199	5544	8199
25°	16376	8089	5349	8089
30°	17687	7982	5179	7982
35°	14542	7779	5067	7779
40°	10336	7497	4945	7497
45°	7941	7117	4875	7117
50°	6779	6646	4866	6646
55°	6035	6184	4908	6184
60°	5444	5679	5032	5679
65°	5029	5171	5164	5171
70°	4572	4645	5238	4645
75°	4037	4092	5190	4092
80°	3396	3336	4749	3336
85°	2690	2401	3831	2401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	2.4
10°-20°	371.6	7.2
20°-30°	603.4	11.6
30°-40°	736.0	14.2
40°-50°	669.6	12.9
50°-60°	533.4	10.3
60°-70°	371.5	7.2
70°-80°	198.1	3.8
80°-90°	51.0	1.0
90°-100°	18.1	0.3
100°-110°	111.4	2.1
110°-120°	202.1	3.9
120°-130°	259.4	5.0
130°-140°	279.0	5.4
140°-150°	261.9	5.0
150°-160°	211.8	4.1
160°-170°	137.0	2.6
170°-180°	47.3	0.9
0°-30°	1099.8	21.2
0°-40°	1835.9	35.4
0°-60°	3038.8	58.6
0°-90°	3659.5	70.5
90°-120°	331.6	6.4
90°-150°	1131.8	21.8
90°-180°	1528.0	29.5
0°-180°	5187.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1296	1296	1296	1296	1296	
5°	1496	1296	1135	1296	1496	151
15°	1868	1241	889	1241	1868	535
25°	2298	1135	751	1135	2298	1050
35°	1844	987	643	987	1844	1129
45°	869	779	534	779	869	696
55°	536	549	436	549	536	483
65°	329	338	338	338	329	327
75°	162	164	208	164	162	174
85°	36	32	52	32	36	42
90°	9	0	9	0	9	5
95°	8	21	8	21	8	6
105°	110	108	110	108	110	99
115°	202	204	202	204	202	201
125°	290	290	290	290	290	258
135°	360	361	360	361	360	278
145°	418	419	418	419	418	261
155°	458	461	458	461	458	211
165°	484	486	484	486	484	137
175°	495	498	495	498	495	47
180°	498	498	498	498	498	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1371.3	1369.5	1367.8	1364.2	1366.9	1359.4	1355.9	1349.7	1342.2	1339.6	1336.5
5°	1495.7	1498.4	1501.2	1489.6	1490.7	1483.0	1465.4	1451.1	1439.6	1424.7	1414.2
7.5°	1645.4	1638.8	1638.3	1630.8	1618.0	1607.6	1589.1	1565.5	1542.8	1516.8	1495.3
10°	1720.2	1720.8	1715.8	1707.0	1693.2	1683.3	1659.1	1636.0	1607.9	1574.9	1551.3
12.5°	1776.5	1778.8	1772.6	1760.7	1754.0	1731.8	1712.9	1685.3	1652.0	1625.5	1589.6
15°	1867.7	1861.7	1857.3	1842.3	1830.8	1807.7	1777.4	1748.8	1712.5	1678.9	1645.4
17.5°	1955.5	1960.3	1952.1	1938.5	1902.7	1875.7	1835.1	1795.9	1750.7	1705.7	1665.6
20°	2033.8	2038.2	2025.6	2002.0	1959.0	1932.1	1878.7	1828.1	1775.8	1718.0	1674.0
22.5°	2131.6	2128.1	2111.0	2075.0	2037.8	1987.9	1930.2	1868.6	1803.0	1737.8	1679.3
25°	2298.0	2274.8	2264.4	2219.9	2170.9	2097.7	2018.4	1928.2	1846.7	1760.4	1685.5
27.5°	2390.2	2383.0	2371.3	2340.2	2288.8	2210.5	2117.1	2007.1	1892.2	1783.1	1685.2
30°	2371.7	2372.8	2373.9	2364.0	2331.0	2272.2	2179.1	2060.8	1924.4	1801.6	1688.2
32.5°	2208.0	2228.0	2247.1	2269.8	2279.1	2267.8	2209.5	2102.7	1962.2	1822.8	1686.5
35°	1844.5	1850.6	1912.8	1974.4	2058.1	2123.0	2166.5	2119.1	2000.8	1840.7	1684.4
37.5°	1438.3	1467.9	1511.0	1580.6	1701.4	1809.5	1948.5	2012.4	1974.2	1846.6	1680.6
40°	1226.0	1253.5	1281.7	1352.6	1454.4	1585.3	1743.3	1878.1	1909.5	1828.1	1667.4
42.5°	1062.3	1084.1	1115.2	1168.6	1253.7	1369.7	1520.5	1696.7	1805.2	1774.3	1639.6
45°	869.4	883.2	907.4	949.8	1011.5	1102.2	1235.4	1428.0	1595.9	1651.4	1573.9
47.5°	744.2	744.1	763.0	792.2	836.7	913.8	1012.3	1163.2	1342.5	1475.1	1468.9
50°	674.7	671.9	686.7	712.1	747.3	798.5	892.6	1013.1	1185.3	1335.5	1377.4
52.5°	614.8	615.1	624.3	642.9	672.5	716.2	786.4	895.1	1042.3	1196.5	1275.2
55°	536.0	533.8	544.2	556.9	578.4	607.0	657.6	740.7	860.1	1011.9	1114.4
57.5°	463.7	469.9	474.0	482.8	500.7	519.8	562.5	623.5	718.2	848.6	956.8
60°	421.5	427.5	430.9	439.7	454.0	470.5	503.5	553.0	632.8	745.1	852.4
62.5°	383.7	388.4	389.5	397.4	409.1	425.2	451.1	492.8	555.8	654.0	759.0
65°	329.1	329.1	331.3	339.5	345.0	359.3	379.1	409.4	460.1	536.5	626.2
67.5°	276.5	279.1	278.6	282.2	287.2	298.4	312.6	337.5	375.0	430.9	502.6
70°	242.1	244.3	243.8	246.5	252.0	259.2	270.8	294.4	321.4	369.2	430.9
72.5°	211.3	212.2	210.8	214.4	217.7	224.0	236.8	249.5	274.7	315.1	365.7
75°	161.8	162.9	164.0	166.2	169.5	172.8	179.4	192.1	208.6	238.8	271.3
77.5°	121.3	119.2	121.8	121.5	123.4	125.9	131.8	138.4	152.0	171.1	196.2
80°	91.3	91.9	91.9	92.5	95.2	96.9	101.8	106.7	117.2	131.5	149.1
82.5°	66.7	68.2	67.3	68.2	70.5	71.7	74.5	78.6	84.6	95.9	108.6
85°	36.3	33.6	34.7	35.8	35.8	36.3	38.5	40.2	43.5	47.9	52.8
87.5°	12.3	13.2	13.5	13.5	13.9	13.9	15.5	15.4	16.6	17.9	19.6
90°	8.9	8.6	8.4	8.2	7.9	7.5	7.1	6.7	6.3	5.9	5.3
92.5°	8.2	8.2	8.1	7.9	7.8	7.5	7.1	6.7	6.3	5.9	5.4
95°	7.7	7.7	7.7	7.7	7.7	7.5	7.1	6.7	6.3	5.9	9.0
97.5°	7.7	7.7	7.7	7.7	7.7	8.9	11.3	13.5	15.8	18.2	24.3
100°	7.7	8.1	8.4	8.7	9.0	15.3	27.6	39.8	51.9	64.2	63.8
102.5°	46.4	51.9	57.6	63.1	68.7	72.6	74.9	77.3	79.6	81.9	81.7
105°	109.6	109.7	109.7	109.8	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.1	138.4	138.6	138.8	139.1	139.2	139.2	139.2	139.2	139.1	138.9
110°	157.8	157.8	157.7	157.6	157.5	157.6	157.8	158.1	158.3	158.6	158.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	175.5	175.7	175.8	175.9	176.0	176.3	176.5	176.8	177.2	177.5	177.4
115°	202.1	202.6	203.1	203.6	204.1	204.5	204.8	205.1	205.5	205.8	205.7
117.5°	230.5	230.6	230.9	231.1	231.3	231.6	232.0	232.4	232.9	233.3	233.0
120°	247.9	248.3	248.7	249.1	249.5	249.8	250.0	250.1	250.3	250.5	250.2
122.5°	264.4	264.9	265.3	265.8	266.3	266.6	266.8	266.9	267.1	267.3	267.2
125°	289.5	289.8	290.0	290.2	290.5	290.8	291.1	291.5	291.8	292.1	292.1
127.5°	310.7	311.3	311.9	312.5	313.2	313.6	313.7	313.9	314.1	314.2	314.3
130°	326.0	326.4	326.9	327.3	327.7	328.0	328.2	328.5	328.7	329.0	328.9
132.5°	340.2	340.6	341.0	341.4	341.9	342.1	342.1	342.2	342.3	342.3	342.4
135°	359.6	360.1	360.6	361.1	361.6	361.9	362.1	362.2	362.4	362.6	362.7
137.5°	379.1	379.5	379.9	380.3	380.8	381.0	381.0	380.9	380.9	380.8	381.0
140°	390.6	391.1	391.6	392.1	392.6	392.7	392.6	392.4	392.2	392.1	392.2
142.5°	401.5	402.0	402.5	403.0	403.5	403.7	403.7	403.7	403.6	403.6	403.5
145°	417.5	418.0	418.5	419.0	419.5	419.7	419.6	419.6	419.5	419.4	419.4
147.5°	430.7	431.3	431.9	432.5	433.1	433.3	433.3	433.2	433.0	432.9	432.8
150°	439.3	439.9	440.6	441.2	441.9	442.1	442.0	441.8	441.6	441.5	441.3
152.5°	447.3	447.8	448.4	449.0	449.6	449.8	449.6	449.5	449.3	449.1	449.0
155°	457.7	458.4	459.0	459.7	460.3	460.6	460.3	460.1	459.8	459.6	459.4
157.5°	466.5	467.2	467.8	468.5	469.1	469.3	469.0	468.8	468.6	468.3	468.2
160°	472.1	472.8	473.4	474.1	474.7	474.9	474.6	474.3	473.9	473.6	473.5
162.5°	477.1	477.8	478.6	479.3	480.0	480.1	479.7	479.2	478.7	478.3	478.3
165°	483.9	484.5	485.2	485.9	486.6	486.7	486.2	485.7	485.1	484.6	484.5
167.5°	488.6	489.3	490.1	490.8	491.6	491.6	491.1	490.5	489.9	489.3	489.2
170°	491.3	492.0	492.8	493.5	494.2	494.3	493.7	492.9	492.3	491.6	491.5
172.5°	493.1	493.8	494.6	495.3	496.0	496.1	495.5	494.9	494.3	493.7	493.6
175°	495.4	496.1	496.8	497.6	498.3	498.3	497.7	497.0	496.4	495.7	495.6
177.5°	496.7	497.2	497.7	498.2	498.8	498.8	498.3	497.9	497.4	497.0	496.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1333.9	1330.8	1327.3	1321.1	1313.6	1309.7	1303.5	1299.6	1291.6	1285.0	1278.0
5°	1401.6	1387.3	1374.1	1357.0	1338.3	1326.2	1311.9	1295.9	1279.4	1262.3	1243.7
7.5°	1471.7	1446.3	1418.9	1389.3	1360.3	1333.7	1308.2	1283.3	1260.0	1231.8	1207.9
10°	1518.8	1486.9	1452.8	1412.6	1373.5	1339.4	1304.7	1274.5	1243.7	1210.6	1181.5
12.5°	1565.9	1523.4	1475.2	1431.1	1384.1	1342.9	1302.1	1263.5	1224.7	1188.2	1154.1
15°	1599.1	1561.7	1517.1	1454.4	1401.6	1344.9	1290.9	1240.9	1194.1	1153.4	1110.5
17.5°	1621.1	1572.8	1524.9	1464.8	1395.5	1332.1	1271.1	1213.7	1161.0	1109.4	1068.0
20°	1625.0	1575.5	1525.4	1466.5	1395.5	1322.9	1261.8	1193.0	1136.4	1083.0	1032.3
22.5°	1623.7	1567.6	1513.0	1452.5	1383.2	1316.3	1242.4	1172.3	1110.8	1058.3	1005.5
25°	1611.3	1551.3	1483.0	1422.0	1353.7	1282.7	1207.9	1135.2	1072.5	1012.5	960.3
27.5°	1600.9	1523.1	1445.9	1374.6	1308.7	1243.7	1172.0	1097.6	1028.0	967.3	918.0
30°	1588.1	1502.8	1415.8	1341.6	1273.9	1210.6	1143.0	1070.3	997.7	938.2	885.4
32.5°	1576.7	1477.3	1385.5	1304.6	1233.0	1171.4	1109.1	1039.9	968.6	908.3	855.5
35°	1554.5	1439.6	1334.5	1243.1	1166.6	1103.3	1051.1	986.7	921.2	862.8	812.2
37.5°	1526.5	1390.0	1277.2	1181.5	1097.6	1030.9	982.3	932.9	870.0	813.8	768.0
40°	1504.5	1354.8	1235.4	1137.4	1050.5	981.1	936.0	889.2	837.0	784.7	736.3
42.5°	1476.8	1323.1	1193.1	1087.7	1001.6	934.1	886.7	847.0	800.9	752.1	707.2
45°	1425.8	1265.7	1124.8	1011.5	924.5	857.9	808.9	779.2	744.5	698.3	660.3
47.5°	1350.9	1196.6	1050.9	933.9	844.2	782.5	736.6	708.1	683.7	649.3	614.9
50°	1284.3	1145.2	997.7	881.6	791.9	729.7	687.3	661.5	640.5	614.1	585.0
52.5°	1210.0	1080.4	945.3	830.5	741.7	680.4	638.9	616.1	598.7	579.8	551.1
55°	1091.8	981.7	856.2	747.3	665.3	605.3	569.0	549.2	534.9	520.6	503.0
57.5°	961.6	875.5	764.3	664.7	589.2	534.7	500.8	481.5	470.3	463.0	452.7
60°	870.0	796.3	700.5	609.7	536.0	487.5	454.5	439.7	430.3	424.3	416.5
62.5°	785.1	724.5	635.8	552.9	488.4	442.6	413.2	398.8	389.8	386.9	380.5
65°	659.8	613.0	539.8	471.1	416.0	376.9	352.2	338.4	332.9	329.6	330.2
67.5°	536.4	507.9	449.1	390.4	346.6	313.8	294.0	283.4	280.6	276.2	276.1
70°	461.1	439.7	390.1	339.0	299.9	274.6	257.0	246.0	243.2	241.0	240.5
72.5°	394.7	375.9	332.9	291.9	256.7	234.6	220.0	213.4	208.9	207.6	207.5
75°	296.6	286.2	252.0	219.6	195.3	179.9	170.1	164.0	160.7	160.1	160.7
77.5°	210.8	201.7	180.0	157.0	141.8	130.1	121.7	119.6	115.9	116.0	115.4
80°	158.5	152.5	138.7	120.5	107.9	97.9	93.5	89.7	88.6	86.9	88.6
82.5°	114.9	108.4	99.1	87.5	77.0	71.1	66.7	65.5	64.8	64.1	64.4
85°	56.7	57.2	51.7	42.9	38.5	35.2	32.4	32.4	31.9	31.4	31.9
87.5°	20.3	19.3	17.4	16.0	13.7	12.2	11.7	12.0	10.8	10.4	11.0
90°	4.7	4.2	3.6	3.0	2.4	1.7	1.1	0.4	1.1	1.7	2.4
92.5°	4.9	4.4	3.8	3.8	4.3	4.7	5.2	5.7	5.2	4.7	4.3
95°	12.1	15.2	18.3	20.1	20.3	20.5	20.8	21.0	20.8	20.5	20.3
97.5°	30.5	36.6	42.8	45.7	45.2	44.8	44.4	43.9	44.4	44.8	45.2
100°	63.5	63.2	62.9	62.6	62.4	62.1	61.9	61.6	61.9	62.1	62.4
102.5°	81.4	81.3	81.1	80.9	80.6	80.2	79.9	79.6	79.9	80.2	80.6
105°	109.9	109.9	109.9	109.7	109.4	109.1	108.8	108.4	108.8	109.1	109.4
107.5°	138.8	138.6	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4	138.4
110°	158.2	158.1	157.9	157.8	157.8	157.8	157.8	157.8	157.8	157.8	157.8



TEST NUMBER: P333430-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	177.3	177.2	177.1	176.9	176.8	176.5	176.3	176.2	176.3	176.5	176.8
115°	205.6	205.5	205.5	205.2	204.8	204.4	204.0	203.6	204.0	204.4	204.8
117.5°	232.7	232.4	232.1	232.0	232.0	232.0	232.0	232.0	232.0	232.0	232.0
120°	250.0	249.7	249.5	249.4	249.5	249.6	249.6	249.7	249.6	249.6	249.5
122.5°	267.0	266.9	266.8	266.6	266.3	266.0	265.6	265.4	265.6	266.0	266.3
125°	292.1	292.1	292.1	291.8	291.2	290.7	290.1	289.5	290.1	290.7	291.2
127.5°	314.4	314.4	314.5	314.3	313.9	313.5	313.1	312.6	313.1	313.5	313.9
130°	328.8	328.7	328.6	328.4	328.0	327.6	327.2	326.8	327.2	327.6	328.0
132.5°	342.7	342.8	343.0	342.8	342.3	341.9	341.4	341.0	341.4	341.9	342.3
135°	362.9	363.1	363.2	363.1	362.6	362.1	361.6	361.1	361.6	362.1	362.6
137.5°	381.2	381.3	381.5	381.3	380.9	380.4	380.0	379.6	380.0	380.4	380.9
140°	392.2	392.3	392.4	392.3	392.2	392.0	391.8	391.7	391.8	392.0	392.2
142.5°	403.3	403.2	403.1	403.0	402.9	402.8	402.8	402.6	402.8	402.8	402.9
145°	419.4	419.4	419.4	419.3	419.1	419.0	418.8	418.7	418.8	419.0	419.1
147.5°	432.8	432.7	432.5	432.5	432.5	432.6	432.6	432.7	432.6	432.6	432.5
150°	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5	441.3	441.2	441.0
152.5°	448.8	448.7	448.5	448.6	449.0	449.3	449.7	450.0	449.7	449.3	449.0
155°	459.3	459.1	458.9	459.1	459.6	460.1	460.6	461.1	460.6	460.1	459.6
157.5°	468.2	468.2	468.2	468.3	468.6	469.0	469.2	469.5	469.2	469.0	468.6
160°	473.4	473.4	473.3	473.4	473.9	474.4	474.9	475.4	474.9	474.4	473.9
162.5°	478.2	478.1	478.0	478.2	478.7	479.2	479.6	480.1	479.6	479.2	478.7
165°	484.5	484.4	484.3	484.5	485.0	485.5	486.0	486.5	486.0	485.5	485.0
167.5°	489.1	489.0	488.9	489.2	489.7	490.2	490.7	491.2	490.7	490.2	489.7
170°	491.5	491.4	491.3	491.5	492.1	492.7	493.3	493.9	493.3	492.7	492.1
172.5°	493.4	493.3	493.2	493.3	493.9	494.5	495.0	495.6	495.0	494.5	493.9
175°	495.5	495.5	495.4	495.6	496.1	496.6	497.1	497.6	497.1	496.6	496.1
177.5°	496.8	496.8	496.7	496.8	497.3	497.7	498.1	498.5	498.1	497.7	497.3
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333430-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1274.0	1269.2	1265.2	1256.4	1251.6	1245.0	1239.7	1245.4	1239.3	1241.9	1238.0
5°	1234.3	1218.9	1207.9	1191.9	1178.2	1165.5	1156.2	1154.5	1150.1	1147.9	1141.3
7.5°	1186.5	1167.3	1148.3	1127.4	1109.8	1091.8	1080.4	1071.0	1064.7	1056.5	1050.8
10°	1158.4	1132.5	1110.5	1085.2	1063.2	1043.9	1028.5	1020.8	1013.7	1003.1	999.3
12.5°	1123.6	1096.8	1070.0	1042.9	1021.7	1000.3	987.1	975.4	970.5	958.7	957.5
15°	1081.9	1041.7	1015.3	987.7	958.6	941.0	930.0	917.3	911.8	903.6	897.5
17.5°	1032.1	996.2	963.2	934.7	909.7	894.9	881.3	872.5	863.1	857.7	847.7
20°	996.1	961.9	928.9	898.6	879.4	862.3	851.3	843.0	833.2	830.4	820.5
22.5°	965.6	928.0	896.3	870.9	849.9	830.6	818.7	813.1	806.2	797.8	795.8
25°	916.2	877.2	850.2	824.9	806.2	788.6	780.3	773.1	766.5	760.5	758.3
27.5°	873.5	838.6	806.6	783.7	767.4	751.4	744.1	735.4	730.6	725.7	719.7
30°	843.6	807.8	779.8	757.7	740.1	725.9	718.1	712.1	707.7	703.3	699.9
32.5°	812.8	779.7	752.4	730.9	713.3	702.5	695.7	691.4	686.6	681.3	677.1
35°	772.1	735.7	709.3	690.6	676.9	668.6	660.9	657.0	651.5	651.5	647.1
37.5°	726.2	694.8	671.5	654.4	642.0	634.7	626.3	623.7	620.2	617.8	616.3
40°	698.9	669.7	647.7	630.6	617.4	611.4	604.8	600.4	598.2	595.4	594.3
42.5°	670.7	642.9	621.7	606.0	594.5	589.4	583.2	580.1	575.7	572.1	571.4
45°	627.9	600.9	581.6	569.0	559.1	553.0	549.2	542.6	540.4	536.0	535.4
47.5°	587.3	561.4	542.5	532.1	523.4	518.4	512.4	505.8	503.3	501.1	500.8
50°	556.9	533.2	515.6	505.7	497.5	490.3	484.3	479.9	478.2	478.2	479.3
52.5°	526.1	505.9	491.0	478.8	471.1	463.4	457.9	455.2	452.7	455.3	457.3
55°	480.9	460.6	449.6	438.1	430.3	421.5	418.7	417.7	416.0	420.4	422.7
57.5°	433.2	418.9	406.0	394.5	387.6	382.5	378.8	378.1	381.2	383.4	390.4
60°	402.8	386.3	374.7	365.9	357.7	354.4	353.3	352.2	354.4	360.4	369.8
62.5°	369.3	356.0	343.5	336.9	330.8	325.3	325.1	325.8	330.2	337.1	346.4
65°	320.2	308.7	300.4	292.8	287.8	284.5	285.6	287.8	292.8	302.1	312.6
67.5°	270.4	262.5	255.1	248.8	244.1	244.1	245.2	248.5	254.4	265.1	274.7
70°	238.3	229.5	223.4	220.7	216.8	214.6	217.9	223.4	228.4	238.3	246.5
72.5°	206.1	198.7	194.0	192.1	190.4	188.7	189.7	195.7	202.4	212.3	221.8
75°	158.5	155.7	152.5	150.3	148.5	149.7	150.7	156.3	161.8	172.3	183.3
77.5°	115.7	112.8	110.8	110.3	109.4	110.0	113.0	117.1	122.5	130.1	138.4
80°	87.5	86.4	85.3	84.7	84.7	85.3	89.7	92.5	97.4	104.5	111.1
82.5°	63.8	63.0	62.9	62.7	63.2	63.3	66.0	69.5	73.6	79.0	84.7
85°	33.6	32.4	34.1	34.7	33.6	35.2	36.3	38.5	40.2	42.9	45.7
87.5°	11.6	12.6	12.3	12.8	13.0	13.9	13.6	15.4	16.4	17.4	17.0
90°	3.0	3.6	4.2	4.7	5.3	5.9	6.3	6.7	7.1	7.5	7.9
92.5°	3.8	3.8	4.4	4.9	5.4	5.9	6.3	6.7	7.1	7.5	7.8
95°	20.1	18.3	15.2	12.1	9.0	5.9	6.3	6.7	7.1	7.5	7.7
97.5°	45.7	42.8	36.6	30.5	24.3	18.2	15.8	13.5	11.3	8.9	7.7
100°	62.6	62.9	63.2	63.5	63.8	64.2	51.9	39.8	27.6	15.3	9.0
102.5°	80.9	81.1	81.3	81.4	81.7	81.9	79.6	77.3	74.9	72.6	68.7
105°	109.7	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.4	138.4	138.6	138.8	138.9	139.1	139.2	139.2	139.2	139.2	139.1
110°	157.8	157.9	158.1	158.2	158.4	158.6	158.3	158.1	157.8	157.6	157.5



TEST NUMBER: P333430-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	176.9	177.1	177.2	177.3	177.4	177.5	177.2	176.8	176.5	176.3	176.0
115°	205.2	205.5	205.5	205.6	205.7	205.8	205.5	205.1	204.8	204.5	204.1
117.5°	232.0	232.1	232.4	232.7	233.0	233.3	232.9	232.4	232.0	231.6	231.3
120°	249.4	249.5	249.7	250.0	250.2	250.5	250.3	250.1	250.0	249.8	249.5
122.5°	266.6	266.8	266.9	267.0	267.2	267.3	267.1	266.9	266.8	266.6	266.3
125°	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.5	291.1	290.8	290.5
127.5°	314.3	314.5	314.4	314.4	314.3	314.2	314.1	313.9	313.7	313.6	313.2
130°	328.4	328.6	328.7	328.8	328.9	329.0	328.7	328.5	328.2	328.0	327.7
132.5°	342.8	343.0	342.8	342.7	342.4	342.3	342.3	342.2	342.1	342.1	341.9
135°	363.1	363.2	363.1	362.9	362.7	362.6	362.4	362.2	362.1	361.9	361.6
137.5°	381.3	381.5	381.3	381.2	381.0	380.8	380.9	380.9	381.0	381.0	380.8
140°	392.3	392.4	392.3	392.2	392.2	392.1	392.2	392.4	392.6	392.7	392.6
142.5°	403.0	403.1	403.2	403.3	403.5	403.6	403.6	403.7	403.7	403.7	403.5
145°	419.3	419.4	419.4	419.4	419.4	419.4	419.5	419.6	419.6	419.7	419.5
147.5°	432.5	432.5	432.7	432.8	432.8	432.9	433.0	433.2	433.3	433.3	433.1
150°	440.8	440.8	441.0	441.2	441.3	441.5	441.6	441.8	442.0	442.1	441.9
152.5°	448.6	448.5	448.7	448.8	449.0	449.1	449.3	449.5	449.6	449.8	449.6
155°	459.1	458.9	459.1	459.3	459.4	459.6	459.8	460.1	460.3	460.6	460.3
157.5°	468.3	468.2	468.2	468.2	468.2	468.3	468.6	468.8	469.0	469.3	469.1
160°	473.4	473.3	473.4	473.4	473.5	473.6	473.9	474.3	474.6	474.9	474.7
162.5°	478.2	478.0	478.1	478.2	478.3	478.3	478.7	479.2	479.7	480.1	480.0
165°	484.5	484.3	484.4	484.5	484.5	484.6	485.1	485.7	486.2	486.7	486.6
167.5°	489.2	488.9	489.0	489.1	489.2	489.3	489.9	490.5	491.1	491.6	491.6
170°	491.5	491.3	491.4	491.5	491.5	491.6	492.3	492.9	493.7	494.3	494.2
172.5°	493.3	493.2	493.3	493.4	493.6	493.7	494.3	494.9	495.5	496.1	496.0
175°	495.6	495.4	495.5	495.5	495.6	495.7	496.4	497.0	497.7	498.3	498.3
177.5°	496.8	496.7	496.8	496.8	496.9	497.0	497.4	497.9	498.3	498.8	498.8
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333430-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1235.3	1238.4	1235.7	1239.3	1235.7	1238.4	1235.3	1238.0	1241.9	1239.3	1245.4
5°	1138.6	1133.6	1136.9	1134.7	1136.9	1133.6	1138.6	1141.3	1147.9	1150.1	1154.5
7.5°	1049.2	1044.5	1039.0	1036.5	1039.0	1044.5	1049.2	1050.8	1056.5	1064.7	1071.0
10°	993.3	987.2	986.7	982.8	986.7	987.2	993.3	999.3	1003.1	1013.7	1020.8
12.5°	952.4	946.7	940.4	938.8	940.4	946.7	952.4	957.5	958.7	970.5	975.4
15°	894.2	889.8	886.0	889.2	886.0	889.8	894.2	897.5	903.6	911.8	917.3
17.5°	845.9	842.3	841.6	837.6	841.6	842.3	845.9	847.7	857.7	863.1	872.5
20°	815.5	812.8	813.9	806.7	813.9	812.8	815.5	820.5	830.4	833.2	843.0
22.5°	791.3	785.9	785.3	783.8	785.3	785.9	791.3	795.8	797.8	806.2	813.1
25°	753.3	750.6	747.9	750.6	747.9	750.6	753.3	758.3	760.5	766.5	773.1
27.5°	720.2	716.9	716.2	716.5	716.2	716.9	720.2	719.7	725.7	730.6	735.4
30°	699.9	694.5	695.0	694.5	695.0	694.5	699.9	699.9	703.3	707.7	712.1
32.5°	677.9	674.2	673.4	672.5	673.4	674.2	677.9	677.1	681.3	686.6	691.4
35°	645.5	645.5	642.7	642.7	642.7	645.5	645.5	647.1	651.5	651.5	657.0
37.5°	615.0	614.4	612.8	613.0	612.8	614.4	615.0	616.3	617.8	620.2	623.7
40°	592.1	591.6	589.9	586.6	589.9	591.6	592.1	594.3	595.4	598.2	600.4
42.5°	570.1	568.3	567.4	566.4	567.4	568.3	570.1	571.4	572.1	575.7	580.1
45°	535.4	535.4	534.3	533.8	534.3	535.4	535.4	535.4	536.0	540.4	542.6
47.5°	501.7	502.7	504.8	504.5	504.8	502.7	501.7	500.8	501.1	503.3	505.8
50°	481.5	482.1	483.7	484.3	483.7	482.1	481.5	479.3	478.2	478.2	479.9
52.5°	459.0	462.3	464.3	464.0	464.3	462.3	459.0	457.3	455.3	452.7	455.2
55°	427.5	431.5	435.3	435.9	435.3	431.5	427.5	422.7	420.4	416.0	417.7
57.5°	396.4	401.8	405.9	407.2	405.9	401.8	396.4	390.4	383.4	381.2	378.1
60°	375.3	382.5	387.4	389.6	387.4	382.5	375.3	369.8	360.4	354.4	352.2
62.5°	355.1	363.1	368.0	368.4	368.0	363.1	355.1	346.4	337.1	330.2	325.8
65°	321.9	330.2	334.6	337.9	334.6	330.2	321.9	312.6	302.1	292.8	287.8
67.5°	286.3	294.5	299.4	302.0	299.4	294.5	286.3	274.7	265.1	254.4	248.5
70°	260.3	268.6	275.2	277.4	275.2	268.6	260.3	246.5	238.3	228.4	223.4
72.5°	234.7	242.1	247.4	250.1	247.4	242.1	234.7	221.8	212.3	202.4	195.7
75°	190.4	200.3	205.3	208.0	205.3	200.3	190.4	183.3	172.3	161.8	156.3
77.5°	146.8	155.8	158.8	160.2	158.8	155.8	146.8	138.4	130.1	122.5	117.1
80°	117.7	123.3	127.1	127.7	127.1	123.3	117.7	111.1	104.5	97.4	92.5
82.5°	90.5	95.1	96.3	97.8	96.3	95.1	90.5	84.7	79.0	73.6	69.5
85°	49.5	51.7	52.3	51.7	52.3	51.7	49.5	45.7	42.9	40.2	38.5
87.5°	17.9	17.5	17.5	18.5	17.5	17.5	17.9	17.0	17.4	16.4	15.4
90°	8.2	8.4	8.6	8.9	8.6	8.4	8.2	7.9	7.5	7.1	6.7
92.5°	7.9	8.1	8.2	8.2	8.2	8.1	7.9	7.8	7.5	7.1	6.7
95°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.5	7.1	6.7
97.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	8.9	11.3	13.5
100°	8.7	8.4	8.1	7.7	8.1	8.4	8.7	9.0	15.3	27.6	39.8
102.5°	63.1	57.6	51.9	46.4	51.9	57.6	63.1	68.7	72.6	74.9	77.3
105°	109.8	109.7	109.7	109.6	109.7	109.7	109.8	109.9	109.9	109.9	109.9
107.5°	138.8	138.6	138.4	138.1	138.4	138.6	138.8	139.1	139.2	139.2	139.2
110°	157.6	157.7	157.8	157.8	157.8	157.7	157.6	157.5	157.6	157.8	158.1



TEST NUMBER: P333430-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	175.9	175.8	175.7	175.5	175.7	175.8	175.9	176.0	176.3	176.5	176.8
115°	203.6	203.1	202.6	202.1	202.6	203.1	203.6	204.1	204.5	204.8	205.1
117.5°	231.1	230.9	230.6	230.5	230.6	230.9	231.1	231.3	231.6	232.0	232.4
120°	249.1	248.7	248.3	247.9	248.3	248.7	249.1	249.5	249.8	250.0	250.1
122.5°	265.8	265.3	264.9	264.4	264.9	265.3	265.8	266.3	266.6	266.8	266.9
125°	290.2	290.0	289.8	289.5	289.8	290.0	290.2	290.5	290.8	291.1	291.5
127.5°	312.5	311.9	311.3	310.7	311.3	311.9	312.5	313.2	313.6	313.7	313.9
130°	327.3	326.9	326.4	326.0	326.4	326.9	327.3	327.7	328.0	328.2	328.5
132.5°	341.4	341.0	340.6	340.2	340.6	341.0	341.4	341.9	342.1	342.1	342.2
135°	361.1	360.6	360.1	359.6	360.1	360.6	361.1	361.6	361.9	362.1	362.2
137.5°	380.3	379.9	379.5	379.1	379.5	379.9	380.3	380.8	381.0	381.0	380.9
140°	392.1	391.6	391.1	390.6	391.1	391.6	392.1	392.6	392.7	392.6	392.4
142.5°	403.0	402.5	402.0	401.5	402.0	402.5	403.0	403.5	403.7	403.7	403.7
145°	419.0	418.5	418.0	417.5	418.0	418.5	419.0	419.5	419.7	419.6	419.6
147.5°	432.5	431.9	431.3	430.7	431.3	431.9	432.5	433.1	433.3	433.3	433.2
150°	441.2	440.6	439.9	439.3	439.9	440.6	441.2	441.9	442.1	442.0	441.8
152.5°	449.0	448.4	447.8	447.3	447.8	448.4	449.0	449.6	449.8	449.6	449.5
155°	459.7	459.0	458.4	457.7	458.4	459.0	459.7	460.3	460.6	460.3	460.1
157.5°	468.5	467.8	467.2	466.5	467.2	467.8	468.5	469.1	469.3	469.0	468.8
160°	474.1	473.4	472.8	472.1	472.8	473.4	474.1	474.7	474.9	474.6	474.3
162.5°	479.3	478.6	477.8	477.1	477.8	478.6	479.3	480.0	480.1	479.7	479.2
165°	485.9	485.2	484.5	483.9	484.5	485.2	485.9	486.6	486.7	486.2	485.7
167.5°	490.8	490.1	489.3	488.6	489.3	490.1	490.8	491.6	491.6	491.1	490.5
170°	493.5	492.8	492.0	491.3	492.0	492.8	493.5	494.2	494.3	493.7	492.9
172.5°	495.3	494.6	493.8	493.1	493.8	494.6	495.3	496.0	496.1	495.5	494.9
175°	497.6	496.8	496.1	495.4	496.1	496.8	497.6	498.3	498.3	497.7	497.0
177.5°	498.2	497.7	497.2	496.7	497.2	497.7	498.2	498.8	498.8	498.3	497.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333430-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1239.7	1245.0	1251.6	1256.4	1265.2	1269.2	1274.0	1278.0	1285.0	1291.6	1299.6
5°	1156.2	1165.5	1178.2	1191.9	1207.9	1218.9	1234.3	1243.7	1262.3	1279.4	1295.9
7.5°	1080.4	1091.8	1109.8	1127.4	1148.3	1167.3	1186.5	1207.9	1231.8	1260.0	1283.3
10°	1028.5	1043.9	1063.2	1085.2	1110.5	1132.5	1158.4	1181.5	1210.6	1243.7	1274.5
12.5°	987.1	1000.3	1021.7	1042.9	1070.0	1096.8	1123.6	1154.1	1188.2	1224.7	1263.5
15°	930.0	941.0	958.6	987.7	1015.3	1041.7	1081.9	1110.5	1153.4	1194.1	1240.9
17.5°	881.3	894.9	909.7	934.7	963.2	996.2	1032.1	1068.0	1109.4	1161.0	1213.7
20°	851.3	862.3	879.4	898.6	928.9	961.9	996.1	1032.3	1083.0	1136.4	1193.0
22.5°	818.7	830.6	849.9	870.9	896.3	928.0	965.6	1005.5	1058.3	1110.8	1172.3
25°	780.3	788.6	806.2	824.9	850.2	877.2	916.2	960.3	1012.5	1072.5	1135.2
27.5°	744.1	751.4	767.4	783.7	806.6	838.6	873.5	918.0	967.3	1028.0	1097.6
30°	718.1	725.9	740.1	757.7	779.8	807.8	843.6	885.4	938.2	997.7	1070.3
32.5°	695.7	702.5	713.3	730.9	752.4	779.7	812.8	855.5	908.3	968.6	1039.9
35°	660.9	668.6	676.9	690.6	709.3	735.7	772.1	812.2	862.8	921.2	986.7
37.5°	626.3	634.7	642.0	654.4	671.5	694.8	726.2	768.0	813.8	870.0	932.9
40°	604.8	611.4	617.4	630.6	647.7	669.7	698.9	736.3	784.7	837.0	889.2
42.5°	583.2	589.4	594.5	606.0	621.7	642.9	670.7	707.2	752.1	800.9	847.0
45°	549.2	553.0	559.1	569.0	581.6	600.9	627.9	660.3	698.3	744.5	779.2
47.5°	512.4	518.4	523.4	532.1	542.5	561.4	587.3	614.9	649.3	683.7	708.1
50°	484.3	490.3	497.5	505.7	515.6	533.2	556.9	585.0	614.1	640.5	661.5
52.5°	457.9	463.4	471.1	478.8	491.0	505.9	526.1	551.1	579.8	598.7	616.1
55°	418.7	421.5	430.3	438.1	449.6	460.6	480.9	503.0	520.6	534.9	549.2
57.5°	378.8	382.5	387.6	394.5	406.0	418.9	433.2	452.7	463.0	470.3	481.5
60°	353.3	354.4	357.7	365.9	374.7	386.3	402.8	416.5	424.3	430.3	439.7
62.5°	325.1	325.3	330.8	336.9	343.5	356.0	369.3	380.5	386.9	389.8	398.8
65°	285.6	284.5	287.8	292.8	300.4	308.7	320.2	330.2	329.6	332.9	338.4
67.5°	245.2	244.1	244.1	248.8	255.1	262.5	270.4	276.1	276.2	280.6	283.4
70°	217.9	214.6	216.8	220.7	223.4	229.5	238.3	240.5	241.0	243.2	246.0
72.5°	189.7	188.7	190.4	192.1	194.0	198.7	206.1	207.5	207.6	208.9	213.4
75°	150.7	149.7	148.5	150.3	152.5	155.7	158.5	160.7	160.1	160.7	164.0
77.5°	113.0	110.0	109.4	110.3	110.8	112.8	115.7	115.4	116.0	115.9	119.6
80°	89.7	85.3	84.7	84.7	85.3	86.4	87.5	88.6	86.9	88.6	89.7
82.5°	66.0	63.3	63.2	62.7	62.9	63.0	63.8	64.4	64.1	64.8	65.5
85°	36.3	35.2	33.6	34.7	34.1	32.4	33.6	31.9	31.4	31.9	32.4
87.5°	13.6	13.9	13.0	12.8	12.3	12.6	11.6	11.0	10.4	10.8	12.0
90°	6.3	5.9	5.3	4.7	4.2	3.6	3.0	2.4	1.7	1.1	0.4
92.5°	6.3	5.9	5.4	4.9	4.4	3.8	3.8	4.3	4.7	5.2	5.7
95°	6.3	5.9	9.0	12.1	15.2	18.3	20.1	20.3	20.5	20.8	21.0
97.5°	15.8	18.2	24.3	30.5	36.6	42.8	45.7	45.2	44.8	44.4	43.9
100°	51.9	64.2	63.8	63.5	63.2	62.9	62.6	62.4	62.1	61.9	61.6
102.5°	79.6	81.9	81.7	81.4	81.3	81.1	80.9	80.6	80.2	79.9	79.6
105°	109.9	109.9	109.9	109.9	109.9	109.9	109.7	109.4	109.1	108.8	108.4
107.5°	139.2	139.1	138.9	138.8	138.6	138.4	138.4	138.4	138.4	138.4	138.4
110°	158.3	158.6	158.4	158.2	158.1	157.9	157.8	157.8	157.8	157.8	157.8



TEST NUMBER: P333430-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	177.2	177.5	177.4	177.3	177.2	177.1	176.9	176.8	176.5	176.3	176.2
115°	205.5	205.8	205.7	205.6	205.5	205.5	205.2	204.8	204.4	204.0	203.6
117.5°	232.9	233.3	233.0	232.7	232.4	232.1	232.0	232.0	232.0	232.0	232.0
120°	250.3	250.5	250.2	250.0	249.7	249.5	249.4	249.5	249.6	249.6	249.7
122.5°	267.1	267.3	267.2	267.0	266.9	266.8	266.6	266.3	266.0	265.6	265.4
125°	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.2	290.7	290.1	289.5
127.5°	314.1	314.2	314.3	314.4	314.4	314.5	314.3	313.9	313.5	313.1	312.6
130°	328.7	329.0	328.9	328.8	328.7	328.6	328.4	328.0	327.6	327.2	326.8
132.5°	342.3	342.3	342.4	342.7	342.8	343.0	342.8	342.3	341.9	341.4	341.0
135°	362.4	362.6	362.7	362.9	363.1	363.2	363.1	362.6	362.1	361.6	361.1
137.5°	380.9	380.8	381.0	381.2	381.3	381.5	381.3	380.9	380.4	380.0	379.6
140°	392.2	392.1	392.2	392.2	392.3	392.4	392.3	392.2	392.0	391.8	391.7
142.5°	403.6	403.6	403.5	403.3	403.2	403.1	403.0	402.9	402.8	402.8	402.6
145°	419.5	419.4	419.4	419.4	419.4	419.4	419.3	419.1	419.0	418.8	418.7
147.5°	433.0	432.9	432.8	432.8	432.7	432.5	432.5	432.5	432.6	432.6	432.7
150°	441.6	441.5	441.3	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5
152.5°	449.3	449.1	449.0	448.8	448.7	448.5	448.6	449.0	449.3	449.7	450.0
155°	459.8	459.6	459.4	459.3	459.1	458.9	459.1	459.6	460.1	460.6	461.1
157.5°	468.6	468.3	468.2	468.2	468.2	468.2	468.3	468.6	469.0	469.2	469.5
160°	473.9	473.6	473.5	473.4	473.4	473.3	473.4	473.9	474.4	474.9	475.4
162.5°	478.7	478.3	478.3	478.2	478.1	478.0	478.2	478.7	479.2	479.6	480.1
165°	485.1	484.6	484.5	484.5	484.4	484.3	484.5	485.0	485.5	486.0	486.5
167.5°	489.9	489.3	489.2	489.1	489.0	488.9	489.2	489.7	490.2	490.7	491.2
170°	492.3	491.6	491.5	491.5	491.4	491.3	491.5	492.1	492.7	493.3	493.9
172.5°	494.3	493.7	493.6	493.4	493.3	493.2	493.3	493.9	494.5	495.0	495.6
175°	496.4	495.7	495.6	495.5	495.5	495.4	495.6	496.1	496.6	497.1	497.6
177.5°	497.4	497.0	496.9	496.8	496.8	496.7	496.8	497.3	497.7	498.1	498.5
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



TEST NUMBER: P333430-930

CATALOG NUMBER: S125DIW-S1090D470U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1303.5	1309.7	1313.6	1321.1	1327.3	1330.8	1333.9	1336.5	1339.6	1342.2	1349.7
5°	1311.9	1326.2	1338.3	1357.0	1374.1	1387.3	1401.6	1414.2	1424.7	1439.6	1451.1
7.5°	1308.2	1333.7	1360.3	1389.3	1418.9	1446.3	1471.7	1495.3	1516.8	1542.8	1565.5
10°	1304.7	1339.4	1373.5	1412.6	1452.8	1486.9	1518.8	1551.3	1574.9	1607.9	1636.0
12.5°	1302.1	1342.9	1384.1	1431.1	1475.2	1523.4	1565.9	1589.6	1625.5	1652.0	1685.3
15°	1290.9	1344.9	1401.6	1454.4	1517.1	1561.7	1599.1	1645.4	1678.9	1712.5	1748.8
17.5°	1271.1	1332.1	1395.5	1464.8	1524.9	1572.8	1621.1	1665.6	1705.7	1750.7	1795.9
20°	1261.8	1322.9	1395.5	1466.5	1525.4	1575.5	1625.0	1674.0	1718.0	1775.8	1828.1
22.5°	1242.4	1316.3	1383.2	1452.5	1513.0	1567.6	1623.7	1679.3	1737.8	1803.0	1868.6
25°	1207.9	1282.7	1353.7	1422.0	1483.0	1551.3	1611.3	1685.5	1760.4	1846.7	1928.2
27.5°	1172.0	1243.7	1308.7	1374.6	1445.9	1523.1	1600.9	1685.2	1783.1	1892.2	2007.1
30°	1143.0	1210.6	1273.9	1341.6	1415.8	1502.8	1588.1	1688.2	1801.6	1924.4	2060.8
32.5°	1109.1	1171.4	1233.0	1304.6	1385.5	1477.3	1576.7	1686.5	1822.8	1962.2	2102.7
35°	1051.1	1103.3	1166.6	1243.1	1334.5	1439.6	1554.5	1684.4	1840.7	2000.8	2119.1
37.5°	982.3	1030.9	1097.6	1181.5	1277.2	1390.0	1526.5	1680.6	1846.6	1974.2	2012.4
40°	936.0	981.1	1050.5	1137.4	1235.4	1354.8	1504.5	1667.4	1828.1	1909.5	1878.1
42.5°	886.7	934.1	1001.6	1087.7	1193.1	1323.1	1476.8	1639.6	1774.3	1805.2	1696.7
45°	808.9	857.9	924.5	1011.5	1124.8	1265.7	1425.8	1573.9	1651.4	1595.9	1428.0
47.5°	736.6	782.5	844.2	933.9	1050.9	1196.6	1350.9	1468.9	1475.1	1342.5	1163.2
50°	687.3	729.7	791.9	881.6	997.7	1145.2	1284.3	1377.4	1335.5	1185.3	1013.1
52.5°	638.9	680.4	741.7	830.5	945.3	1080.4	1210.0	1275.2	1196.5	1042.3	895.1
55°	569.0	605.3	665.3	747.3	856.2	981.7	1091.8	1114.4	1011.9	860.1	740.7
57.5°	500.8	534.7	589.2	664.7	764.3	875.5	961.6	956.8	848.6	718.2	623.5
60°	454.5	487.5	536.0	609.7	700.5	796.3	870.0	852.4	745.1	632.8	553.0
62.5°	413.2	442.6	488.4	552.9	635.8	724.5	785.1	759.0	654.0	555.8	492.8
65°	352.2	376.9	416.0	471.1	539.8	613.0	659.8	626.2	536.5	460.1	409.4
67.5°	294.0	313.8	346.6	390.4	449.1	507.9	536.4	502.6	430.9	375.0	337.5
70°	257.0	274.6	299.9	339.0	390.1	439.7	461.1	430.9	369.2	321.4	294.4
72.5°	220.0	234.6	256.7	291.9	332.9	375.9	394.7	365.7	315.1	274.7	249.5
75°	170.1	179.9	195.3	219.6	252.0	286.2	296.6	271.3	238.8	208.6	192.1
77.5°	121.7	130.1	141.8	157.0	180.0	201.7	210.8	196.2	171.1	152.0	138.4
80°	93.5	97.9	107.9	120.5	138.7	152.5	158.5	149.1	131.5	117.2	106.7
82.5°	66.7	71.1	77.0	87.5	99.1	108.4	114.9	108.6	95.9	84.6	78.6
85°	32.4	35.2	38.5	42.9	51.7	57.2	56.7	52.8	47.9	43.5	40.2
87.5°	11.7	12.2	13.7	16.0	17.4	19.3	20.3	19.6	17.9	16.6	15.4
90°	1.1	1.7	2.4	3.0	3.6	4.2	4.7	5.3	5.9	6.3	6.7
92.5°	5.2	4.7	4.3	3.8	3.8	4.4	4.9	5.4	5.9	6.3	6.7
95°	20.8	20.5	20.3	20.1	18.3	15.2	12.1	9.0	5.9	6.3	6.7
97.5°	44.4	44.8	45.2	45.7	42.8	36.6	30.5	24.3	18.2	15.8	13.5
100°	61.9	62.1	62.4	62.6	62.9	63.2	63.5	63.8	64.2	51.9	39.8
102.5°	79.9	80.2	80.6	80.9	81.1	81.3	81.4	81.7	81.9	79.6	77.3
105°	108.8	109.1	109.4	109.7	109.9	109.9	109.9	109.9	109.9	109.9	109.9
107.5°	138.4	138.4	138.4	138.4	138.4	138.6	138.8	138.9	139.1	139.2	139.2
110°	157.8	157.8	157.8	157.8	157.9	158.1	158.2	158.4	158.6	158.3	158.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	176.3	176.5	176.8	176.9	177.1	177.2	177.3	177.4	177.5	177.2	176.8
115°	204.0	204.4	204.8	205.2	205.5	205.5	205.6	205.7	205.8	205.5	205.1
117.5°	232.0	232.0	232.0	232.0	232.1	232.4	232.7	233.0	233.3	232.9	232.4
120°	249.6	249.6	249.5	249.4	249.5	249.7	250.0	250.2	250.5	250.3	250.1
122.5°	265.6	266.0	266.3	266.6	266.8	266.9	267.0	267.2	267.3	267.1	266.9
125°	290.1	290.7	291.2	291.8	292.1	292.1	292.1	292.1	292.1	291.8	291.5
127.5°	313.1	313.5	313.9	314.3	314.5	314.4	314.4	314.3	314.2	314.1	313.9
130°	327.2	327.6	328.0	328.4	328.6	328.7	328.8	328.9	329.0	328.7	328.5
132.5°	341.4	341.9	342.3	342.8	343.0	342.8	342.7	342.4	342.3	342.3	342.2
135°	361.6	362.1	362.6	363.1	363.2	363.1	362.9	362.7	362.6	362.4	362.2
137.5°	380.0	380.4	380.9	381.3	381.5	381.3	381.2	381.0	380.8	380.9	380.9
140°	391.8	392.0	392.2	392.3	392.4	392.3	392.2	392.2	392.1	392.2	392.4
142.5°	402.8	402.8	402.9	403.0	403.1	403.2	403.3	403.5	403.6	403.6	403.7
145°	418.8	419.0	419.1	419.3	419.4	419.4	419.4	419.4	419.4	419.5	419.6
147.5°	432.6	432.6	432.5	432.5	432.5	432.7	432.8	432.8	432.9	433.0	433.2
150°	441.3	441.2	441.0	440.8	440.8	441.0	441.2	441.3	441.5	441.6	441.8
152.5°	449.7	449.3	449.0	448.6	448.5	448.7	448.8	449.0	449.1	449.3	449.5
155°	460.6	460.1	459.6	459.1	458.9	459.1	459.3	459.4	459.6	459.8	460.1
157.5°	469.2	469.0	468.6	468.3	468.2	468.2	468.2	468.2	468.3	468.6	468.8
160°	474.9	474.4	473.9	473.4	473.3	473.4	473.4	473.5	473.6	473.9	474.3
162.5°	479.6	479.2	478.7	478.2	478.0	478.1	478.2	478.3	478.3	478.7	479.2
165°	486.0	485.5	485.0	484.5	484.3	484.4	484.5	484.5	484.6	485.1	485.7
167.5°	490.7	490.2	489.7	489.2	488.9	489.0	489.1	489.2	489.3	489.9	490.5
170°	493.3	492.7	492.1	491.5	491.3	491.4	491.5	491.5	491.6	492.3	492.9
172.5°	495.0	494.5	493.9	493.3	493.2	493.3	493.4	493.6	493.7	494.3	494.9
175°	497.1	496.6	496.1	495.6	495.4	495.5	495.5	495.6	495.7	496.4	497.0
177.5°	498.1	497.7	497.3	496.8	496.7	496.8	496.8	496.9	497.0	497.4	497.9
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6	497.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1355.9	1359.4	1366.9	1364.2	1367.8	1369.5	1371.3
5°	1465.4	1483.0	1490.7	1489.6	1501.2	1498.4	1495.7
7.5°	1589.1	1607.6	1618.0	1630.8	1638.3	1638.8	1645.4
10°	1659.1	1683.3	1693.2	1707.0	1715.8	1720.8	1720.2
12.5°	1712.9	1731.8	1754.0	1760.7	1772.6	1778.8	1776.5
15°	1777.4	1807.7	1830.8	1842.3	1857.3	1861.7	1867.7
17.5°	1835.1	1875.7	1902.7	1938.5	1952.1	1960.3	1955.5
20°	1878.7	1932.1	1959.0	2002.0	2025.6	2038.2	2033.8
22.5°	1930.2	1987.9	2037.8	2075.0	2111.0	2128.1	2131.6
25°	2018.4	2097.7	2170.9	2219.9	2264.4	2274.8	2298.0
27.5°	2117.1	2210.5	2288.8	2340.2	2371.3	2383.0	2390.2
30°	2179.1	2272.2	2331.0	2364.0	2373.9	2372.8	2371.7
32.5°	2209.5	2267.8	2279.1	2269.8	2247.1	2228.0	2208.0
35°	2166.5	2123.0	2058.1	1974.4	1912.8	1850.6	1844.5
37.5°	1948.5	1809.5	1701.4	1580.6	1511.0	1467.9	1438.3
40°	1743.3	1585.3	1454.4	1352.6	1281.7	1253.5	1226.0
42.5°	1520.5	1369.7	1253.7	1168.6	1115.2	1084.1	1062.3
45°	1235.4	1102.2	1011.5	949.8	907.4	883.2	869.4
47.5°	1012.3	913.8	836.7	792.2	763.0	744.1	744.2
50°	892.6	798.5	747.3	712.1	686.7	671.9	674.7
52.5°	786.4	716.2	672.5	642.9	624.3	615.1	614.8
55°	657.6	607.0	578.4	556.9	544.2	533.8	536.0
57.5°	562.5	519.8	500.7	482.8	474.0	469.9	463.7
60°	503.5	470.5	454.0	439.7	430.9	427.5	421.5
62.5°	451.1	425.2	409.1	397.4	389.5	388.4	383.7
65°	379.1	359.3	345.0	339.5	331.3	329.1	329.1
67.5°	312.6	298.4	287.2	282.2	278.6	279.1	276.5
70°	270.8	259.2	252.0	246.5	243.8	244.3	242.1
72.5°	236.8	224.0	217.7	214.4	210.8	212.2	211.3
75°	179.4	172.8	169.5	166.2	164.0	162.9	161.8
77.5°	131.8	125.9	123.4	121.5	121.8	119.2	121.3
80°	101.8	96.9	95.2	92.5	91.9	91.9	91.3
82.5°	74.5	71.7	70.5	68.2	67.3	68.2	66.7
85°	38.5	36.3	35.8	35.8	34.7	33.6	36.3
87.5°	15.5	13.9	13.9	13.5	13.5	13.2	12.3
90°	7.1	7.5	7.9	8.2	8.4	8.6	8.9
92.5°	7.1	7.5	7.8	7.9	8.1	8.2	8.2
95°	7.1	7.5	7.7	7.7	7.7	7.7	7.7
97.5°	11.3	8.9	7.7	7.7	7.7	7.7	7.7
100°	27.6	15.3	9.0	8.7	8.4	8.1	7.7
102.5°	74.9	72.6	68.7	63.1	57.6	51.9	46.4
105°	109.9	109.9	109.9	109.8	109.7	109.7	109.6
107.5°	139.2	139.2	139.1	138.8	138.6	138.4	138.1
110°	157.8	157.6	157.5	157.6	157.7	157.8	157.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	176.5	176.3	176.0	175.9	175.8	175.7	175.5
115°	204.8	204.5	204.1	203.6	203.1	202.6	202.1
117.5°	232.0	231.6	231.3	231.1	230.9	230.6	230.5
120°	250.0	249.8	249.5	249.1	248.7	248.3	247.9
122.5°	266.8	266.6	266.3	265.8	265.3	264.9	264.4
125°	291.1	290.8	290.5	290.2	290.0	289.8	289.5
127.5°	313.7	313.6	313.2	312.5	311.9	311.3	310.7
130°	328.2	328.0	327.7	327.3	326.9	326.4	326.0
132.5°	342.1	342.1	341.9	341.4	341.0	340.6	340.2
135°	362.1	361.9	361.6	361.1	360.6	360.1	359.6
137.5°	381.0	381.0	380.8	380.3	379.9	379.5	379.1
140°	392.6	392.7	392.6	392.1	391.6	391.1	390.6
142.5°	403.7	403.7	403.5	403.0	402.5	402.0	401.5
145°	419.6	419.7	419.5	419.0	418.5	418.0	417.5
147.5°	433.3	433.3	433.1	432.5	431.9	431.3	430.7
150°	442.0	442.1	441.9	441.2	440.6	439.9	439.3
152.5°	449.6	449.8	449.6	449.0	448.4	447.8	447.3
155°	460.3	460.6	460.3	459.7	459.0	458.4	457.7
157.5°	469.0	469.3	469.1	468.5	467.8	467.2	466.5
160°	474.6	474.9	474.7	474.1	473.4	472.8	472.1
162.5°	479.7	480.1	480.0	479.3	478.6	477.8	477.1
165°	486.2	486.7	486.6	485.9	485.2	484.5	483.9
167.5°	491.1	491.6	491.6	490.8	490.1	489.3	488.6
170°	493.7	494.3	494.2	493.5	492.8	492.0	491.3
172.5°	495.5	496.1	496.0	495.3	494.6	493.8	493.1
175°	497.7	498.3	498.3	497.6	496.8	496.1	495.4
177.5°	498.3	498.8	498.8	498.2	497.7	497.2	496.7
180°	497.6	497.6	497.6	497.6	497.6	497.6	497.6

(END OF REPORT)