

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: P333479-840

Luminaire Tested: **S125DIW-S1270D1340U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333479-840
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-S1270D1340U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9934.4 lumens
Efficiency: N/A
Efficacy: 130.4 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

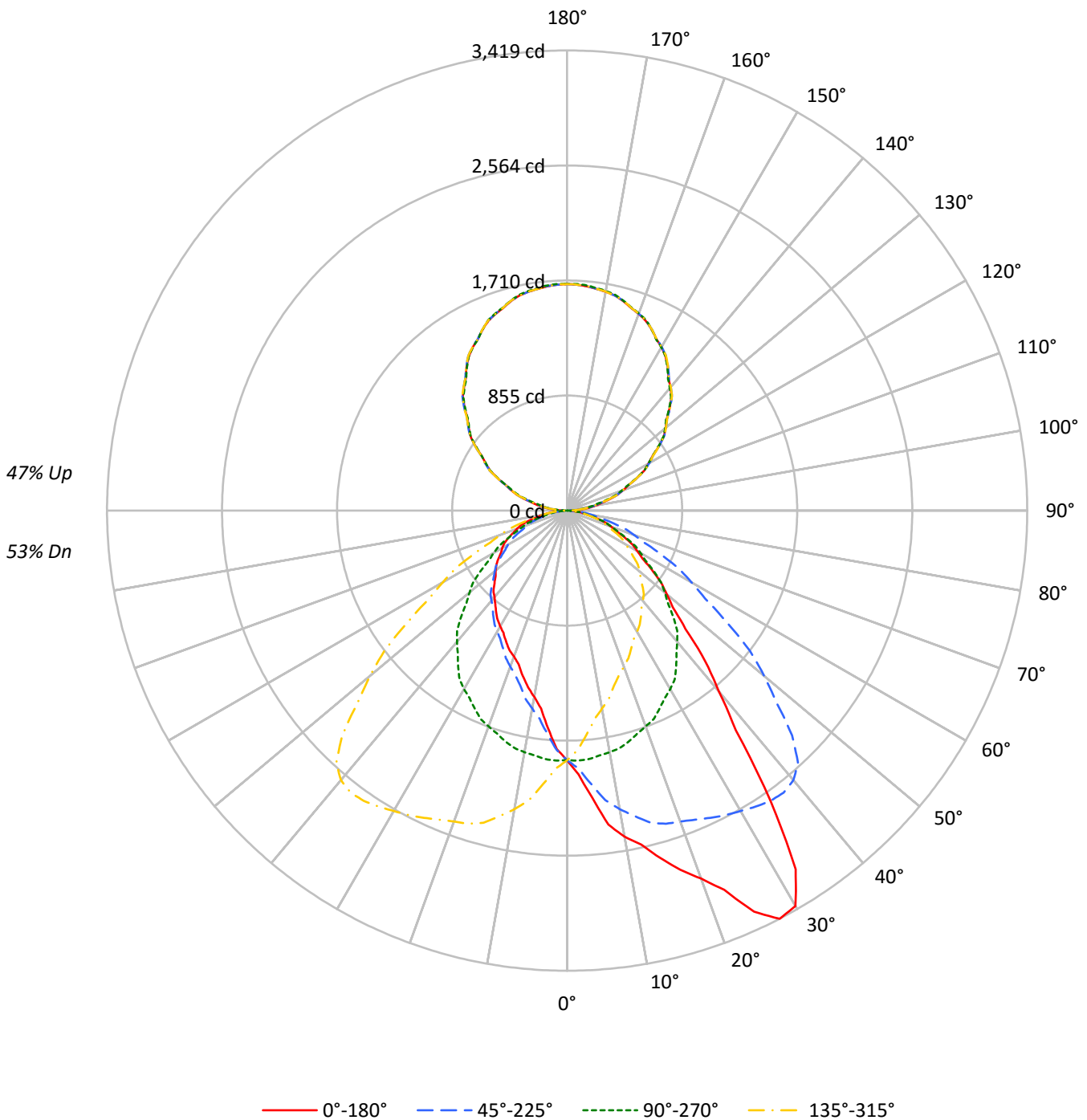
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45
2	90	83	77	72	83	77	72	67	66	62	58	56	53	50	46	44	42	38
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	32
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	37	34	31	28
5	69	58	50	44	64	54	47	41	46	41	37	40	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	33	54	44	37	31	38	32	28	33	28	25	28	24	22	19
8	55	42	35	29	51	40	33	28	35	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	28	23	44	33	27	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11978	11978	11978	11978
5°	13871	12019	10524	12019
10°	16138	11956	9220	11956
15°	17864	11869	8505	11869
20°	19996	11730	7932	11730
25°	23426	11573	7652	11573
30°	25302	11419	7409	11419
35°	20805	11129	7250	11129
40°	14787	10725	7075	10725
45°	11359	10181	6974	10181
50°	9697	9507	6961	9507
55°	8634	8847	7020	8847
60°	7789	8123	7198	8123
65°	7195	7398	7386	7398
70°	6541	6643	7493	6643
75°	5777	5854	7426	5854
80°	4861	4775	6791	4775
85°	3846	3446	5483	3446



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.8
10°-20°	531.6	5.4
20°-30°	863.2	8.7
30°-40°	1053.0	10.6
40°-50°	957.9	9.6
50°-60°	763.0	7.7
60°-70°	531.4	5.3
70°-80°	283.4	2.9
80°-90°	75.2	0.8
90°-100°	112.7	1.1
100°-110°	332.9	3.4
110°-120°	563.9	5.7
120°-130°	742.1	7.5
130°-140°	831.6	8.4
140°-150°	815.0	8.2
150°-160°	684.5	6.9
160°-170°	455.0	4.6
170°-180°	159.2	1.6
0°-30°	1573.4	15.8
0°-40°	2626.3	26.4
0°-60°	4347.2	43.8
0°-90°	5237.2	52.7
90°-120°	1009.6	10.2
90°-150°	3398.3	34.2
90°-180°	4697.0	47.3
0°-180°	9934.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1855	1855	1855	1855	1855	
5°	2140	1854	1623	1854	2140	216
15°	2672	1775	1272	1775	2672	765
25°	3287	1624	1074	1624	3287	1502
35°	2639	1412	920	1412	2639	1615
45°	1244	1115	764	1115	1244	995
55°	767	786	624	786	767	691
65°	471	484	483	484	471	467
75°	232	235	298	235	232	249
85°	52	46	74	46	52	61
90°	31	1	31	1	31	20
95°	113	85	113	85	113	115
105°	325	299	325	299	325	344
115°	570	565	570	565	570	564
125°	829	824	829	824	829	740
135°	1076	1072	1076	1072	1076	830
145°	1303	1298	1303	1298	1303	814
155°	1486	1486	1486	1486	1486	684
165°	1611	1615	1611	1615	1611	454
175°	1673	1679	1673	1679	1673	159
180°	1683	1683	1683	1683	1683	



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1961.8	1959.2	1956.7	1951.7	1955.4	1944.7	1939.6	1930.9	1920.2	1916.4	1912.0
5°	2139.6	2143.5	2147.5	2131.0	2132.5	2121.5	2096.4	2075.9	2059.3	2038.1	2023.2
7.5°	2353.8	2344.5	2343.7	2333.0	2314.6	2299.8	2273.3	2239.6	2207.1	2169.9	2139.2
10°	2460.8	2461.6	2454.6	2442.0	2422.3	2408.1	2373.5	2340.4	2300.3	2253.0	2219.2
12.5°	2541.4	2544.8	2535.8	2518.8	2509.1	2477.4	2450.2	2411.0	2363.2	2325.4	2273.9
15°	2671.8	2663.1	2656.9	2635.5	2619.1	2586.0	2542.7	2501.7	2449.8	2401.8	2353.8
17.5°	2797.4	2804.4	2792.6	2773.2	2721.9	2683.3	2625.2	2569.1	2504.5	2440.0	2382.8
20°	2909.5	2915.9	2897.7	2863.9	2802.5	2763.9	2687.6	2615.1	2540.3	2457.7	2394.7
22.5°	3049.4	3044.3	3019.9	2968.4	2915.2	2843.9	2761.3	2673.0	2579.4	2486.0	2402.3
25°	3287.4	3254.3	3239.3	3175.6	3105.5	3000.8	2887.5	2758.3	2641.9	2518.3	2411.3
27.5°	3419.3	3408.9	3392.2	3347.9	3274.2	3162.2	3028.6	2871.2	2706.9	2550.9	2410.7
30°	3392.8	3394.5	3396.1	3381.8	3334.7	3250.4	3117.4	2948.1	2752.9	2577.4	2415.2
32.5°	3158.7	3187.2	3214.7	3247.1	3260.3	3244.1	3160.8	3008.0	2807.0	2607.6	2412.7
35°	2638.8	2647.4	2736.3	2824.5	2944.2	3037.1	3099.3	3031.5	2862.3	2633.2	2409.6
37.5°	2057.5	2100.0	2161.5	2261.2	2433.9	2588.5	2787.3	2878.8	2824.2	2641.6	2404.2
40°	1753.9	1793.3	1833.4	1935.0	2080.6	2268.0	2493.9	2686.7	2731.6	2615.1	2385.3
42.5°	1519.6	1550.8	1595.4	1671.7	1793.4	1959.3	2175.2	2427.3	2582.3	2538.3	2345.6
45°	1243.7	1263.4	1298.1	1358.8	1446.9	1576.8	1767.3	2042.9	2282.9	2362.4	2251.4
47.5°	1064.6	1064.5	1091.4	1133.3	1196.9	1307.3	1448.1	1664.1	1920.5	2110.2	2101.4
50°	965.1	961.2	982.4	1018.7	1069.0	1142.3	1276.9	1449.3	1695.7	1910.6	1970.3
52.5°	879.5	879.9	893.0	919.8	962.0	1024.5	1125.1	1280.5	1491.0	1711.5	1824.3
55°	766.8	763.6	778.5	796.7	827.4	868.3	940.7	1059.6	1230.4	1447.6	1594.1
57.5°	663.5	672.2	678.1	690.7	716.2	743.6	804.7	891.9	1027.4	1213.9	1368.7
60°	603.0	611.7	616.4	628.9	649.4	673.1	720.3	791.1	905.3	1065.9	1219.4
62.5°	548.9	555.6	557.1	568.6	585.2	608.2	645.4	704.9	795.1	935.5	1085.9
65°	470.8	470.8	473.9	485.7	493.6	514.0	542.4	585.7	658.1	767.5	895.9
67.5°	395.5	399.3	398.5	403.6	410.9	426.9	447.2	482.9	536.5	616.4	719.0
70°	346.4	349.5	348.7	352.6	360.5	370.8	387.3	421.1	459.7	528.3	616.4
72.5°	302.3	303.6	301.5	306.7	311.4	320.4	338.8	356.9	392.9	450.8	523.2
75°	231.5	233.0	234.6	237.7	242.5	247.2	256.6	274.8	298.3	341.6	388.1
77.5°	173.5	170.5	174.3	173.8	176.5	180.2	188.4	198.0	217.4	244.8	280.7
80°	130.7	131.5	131.5	132.3	136.2	138.6	145.6	152.7	167.6	188.1	213.4
82.5°	95.4	97.5	96.2	97.7	100.9	102.6	106.5	112.4	121.1	137.1	155.4
85°	51.9	48.1	49.6	51.2	51.2	51.9	55.1	57.5	62.2	68.5	75.5
87.5°	21.4	22.5	22.9	22.7	23.2	23.0	25.2	24.9	26.6	28.1	30.2
90°	31.4	30.6	29.7	28.8	28.0	26.8	25.3	23.8	22.4	21.0	18.9
92.5°	61.8	61.2	60.6	59.9	59.3	58.0	56.0	54.1	52.2	50.3	47.8
95°	112.7	112.1	111.5	110.9	110.3	109.1	106.9	104.9	102.9	100.9	98.0
97.5°	170.9	170.5	170.2	169.8	169.5	168.2	166.3	164.4	162.5	160.6	156.6
100°	214.8	214.3	213.7	213.1	212.5	210.9	208.2	205.7	203.1	200.5	196.6
102.5°	258.8	258.0	257.2	256.4	255.6	253.8	250.9	248.0	245.2	242.4	240.4
105°	324.9	324.0	323.2	322.2	321.3	320.0	318.3	316.6	314.9	313.1	311.3
107.5°	392.4	392.5	392.5	392.6	392.7	392.3	391.4	390.5	389.7	388.8	387.5
110°	442.7	443.0	443.3	443.6	443.9	443.6	442.7	441.9	441.0	440.1	439.3



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	492.0	492.5	493.1	493.6	494.1	494.1	493.7	493.3	492.9	492.5	491.4
115°	569.9	570.2	570.4	570.7	571.0	571.3	571.6	571.9	572.2	572.5	571.9
117.5°	645.8	647.0	648.1	649.3	650.5	651.0	650.7	650.5	650.3	650.1	649.4
120°	698.2	699.3	700.5	701.7	702.9	703.5	703.5	703.5	703.5	703.5	703.2
122.5°	750.6	751.5	752.5	753.4	754.4	754.9	755.2	755.4	755.6	755.9	755.1
125°	829.2	829.5	829.8	830.1	830.4	830.8	831.4	831.9	832.5	833.1	832.8
127.5°	904.6	905.2	905.8	906.5	907.0	907.5	907.7	908.0	908.3	908.6	908.3
130°	954.9	955.5	956.1	956.7	957.3	957.8	958.1	958.3	958.6	958.9	958.3
132.5°	1002.1	1002.9	1003.7	1004.6	1005.4	1005.9	1006.2	1006.5	1006.8	1007.1	1007.2
135°	1075.5	1076.6	1077.8	1078.9	1080.2	1080.8	1080.8	1080.8	1080.8	1080.8	1080.5
137.5°	1147.3	1148.7	1150.1	1151.7	1153.1	1153.7	1153.3	1153.0	1152.6	1152.3	1151.7
140°	1193.4	1194.9	1196.3	1197.7	1199.2	1199.6	1199.0	1198.5	1197.9	1197.3	1196.4
142.5°	1237.4	1238.8	1240.3	1241.7	1243.2	1243.7	1243.4	1243.0	1242.7	1242.3	1241.2
145°	1303.4	1304.2	1305.1	1306.1	1306.9	1307.4	1307.4	1307.4	1307.4	1307.4	1306.5
147.5°	1359.8	1361.7	1363.7	1365.6	1367.7	1368.3	1367.6	1366.9	1366.2	1365.5	1364.8
150°	1401.7	1402.2	1402.8	1403.4	1404.0	1404.3	1404.3	1404.3	1404.3	1404.3	1403.1
152.5°	1436.2	1437.2	1438.4	1439.4	1440.5	1440.6	1439.9	1439.2	1438.6	1437.8	1437.3
155°	1485.5	1486.9	1488.4	1489.9	1491.3	1491.5	1490.3	1489.1	1487.9	1486.8	1486.5
157.5°	1526.6	1528.5	1530.5	1532.4	1534.3	1534.7	1533.5	1532.4	1531.2	1530.0	1529.7
160°	1554.9	1556.4	1557.8	1559.3	1560.7	1560.8	1559.7	1558.5	1557.4	1556.2	1555.9
162.5°	1579.0	1580.7	1582.4	1584.1	1585.8	1585.9	1584.5	1583.2	1581.8	1580.3	1580.2
165°	1611.2	1613.0	1614.8	1616.5	1618.2	1618.5	1617.4	1616.2	1615.1	1613.9	1613.6
167.5°	1636.9	1638.7	1640.5	1642.3	1644.2	1644.2	1642.4	1640.7	1638.9	1637.2	1637.2
170°	1650.5	1652.5	1654.7	1656.7	1658.7	1658.8	1657.1	1655.4	1653.7	1651.8	1651.8
172.5°	1662.0	1663.9	1665.7	1667.5	1669.3	1669.3	1667.6	1665.9	1664.1	1662.3	1662.3
175°	1672.8	1674.9	1676.9	1678.9	1680.9	1681.1	1679.4	1677.6	1675.9	1674.2	1674.2
177.5°	1679.1	1680.7	1682.3	1683.9	1685.7	1685.8	1684.4	1682.9	1681.5	1680.1	1680.4
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1908.2	1903.8	1898.7	1890.0	1879.3	1873.6	1864.7	1859.1	1847.8	1838.3	1828.3
5°	2005.0	1984.6	1965.7	1941.3	1914.5	1897.1	1876.7	1853.9	1830.3	1805.8	1779.1
7.5°	2105.4	2069.1	2029.7	1987.4	1946.0	1907.8	1871.5	1835.7	1802.4	1762.1	1728.0
10°	2172.7	2127.1	2078.2	2020.7	1964.9	1916.1	1866.4	1823.2	1779.1	1731.8	1690.1
12.5°	2240.1	2179.3	2110.3	2047.2	1980.0	1921.1	1862.7	1807.5	1752.0	1699.7	1651.1
15°	2287.6	2234.1	2170.3	2080.6	2005.0	1924.0	1846.8	1775.1	1708.3	1650.0	1588.6
17.5°	2319.0	2250.0	2181.5	2095.4	1996.4	1905.7	1818.3	1736.3	1660.8	1587.0	1527.8
20°	2324.6	2253.8	2182.1	2097.9	1996.4	1892.5	1805.0	1706.7	1625.6	1549.2	1476.8
22.5°	2322.8	2242.4	2164.5	2077.8	1978.7	1883.0	1777.4	1677.1	1589.0	1514.0	1438.4
25°	2304.9	2219.2	2121.5	2034.2	1936.5	1835.0	1728.0	1624.1	1534.3	1448.4	1373.7
27.5°	2290.2	2178.9	2068.3	1966.4	1872.2	1779.1	1676.6	1570.1	1470.7	1383.7	1313.2
30°	2271.9	2149.9	2025.5	1919.2	1822.4	1731.8	1635.1	1531.2	1427.2	1342.2	1266.7
32.5°	2255.5	2113.3	1982.1	1866.3	1763.8	1675.8	1586.5	1487.6	1385.6	1299.4	1223.8
35°	2223.9	2059.3	1908.9	1778.3	1668.9	1578.3	1503.6	1411.5	1317.8	1234.4	1162.0
37.5°	2183.7	1988.5	1827.1	1690.1	1570.1	1474.8	1405.1	1334.4	1244.6	1164.2	1098.6
40°	2152.2	1938.1	1767.3	1627.2	1502.8	1403.6	1339.1	1272.1	1197.4	1122.6	1053.3
42.5°	2112.5	1892.8	1706.9	1556.0	1432.9	1336.3	1268.5	1211.6	1145.7	1076.0	1011.7
45°	2039.6	1810.6	1609.0	1446.9	1322.5	1227.3	1157.2	1114.7	1065.1	999.0	944.6
47.5°	1932.5	1711.8	1503.4	1336.1	1207.7	1119.4	1053.8	1013.0	978.1	928.9	879.6
50°	1837.3	1638.2	1427.2	1261.1	1132.8	1043.8	983.2	946.2	916.4	878.5	836.8
52.5°	1730.9	1545.6	1352.3	1188.1	1061.0	973.3	913.9	881.4	856.5	829.4	788.3
55°	1561.9	1404.4	1224.9	1069.0	951.7	866.0	814.0	785.7	765.2	744.7	719.5
57.5°	1375.5	1252.4	1093.5	951.0	842.9	764.9	716.4	688.8	672.9	662.4	647.5
60°	1244.6	1139.1	1002.1	872.2	766.8	697.5	650.3	628.9	615.6	606.9	595.9
62.5°	1123.1	1036.4	909.6	791.0	698.7	633.2	591.1	570.4	557.6	553.4	544.3
65°	943.8	877.0	772.2	673.9	595.1	539.3	503.8	484.1	476.3	471.5	472.3
67.5°	767.4	726.6	642.5	558.6	495.7	448.9	420.5	405.5	401.5	395.2	395.1
70°	659.6	628.9	558.2	484.9	429.0	392.8	367.6	351.8	347.9	344.8	344.1
72.5°	564.6	537.7	476.3	417.6	367.3	335.5	314.8	305.3	298.8	296.9	296.8
75°	424.3	409.4	360.5	314.1	279.4	257.4	243.3	234.6	229.8	229.0	229.8
77.5°	301.6	288.6	257.6	224.7	202.8	186.1	174.1	171.2	165.8	165.9	165.1
80°	226.7	218.0	198.3	172.4	154.3	140.2	133.8	128.4	126.7	124.4	126.7
82.5°	164.4	155.1	141.7	125.1	110.2	101.7	95.4	93.7	92.7	91.6	92.1
85°	81.1	81.9	74.0	61.4	55.1	50.4	46.5	46.5	45.6	44.8	45.6
87.5°	31.1	29.4	26.5	24.1	20.6	18.2	17.1	17.3	15.9	15.7	16.8
90°	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3	3.6	6.0	8.3
92.5°	45.3	42.8	40.3	38.2	36.6	34.9	33.3	31.7	33.3	34.9	36.6
95°	95.0	92.1	89.3	87.5	86.8	86.3	85.7	85.1	85.7	86.3	86.8
97.5°	152.6	148.6	144.5	142.4	142.2	142.0	141.7	141.5	141.7	142.0	142.2
100°	192.9	189.0	185.3	183.4	183.4	183.4	183.4	183.4	183.4	183.4	183.4
102.5°	238.5	236.6	234.7	233.1	232.0	230.8	229.6	228.4	229.6	230.8	232.0
105°	309.6	307.8	306.1	304.5	303.1	301.5	300.1	298.7	300.1	301.5	303.1
107.5°	386.1	384.8	383.4	382.0	380.6	379.1	377.7	376.2	377.7	379.1	380.6
110°	438.4	437.6	436.7	435.5	434.0	432.6	431.1	429.7	431.1	432.6	434.0



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	490.3	489.2	488.2	487.2	486.5	485.6	484.9	484.1	484.9	485.6	486.5
115°	571.3	570.7	570.2	569.3	568.0	566.9	565.7	564.6	565.7	566.9	568.0
117.5°	648.9	648.4	647.9	647.4	646.8	646.3	645.8	645.3	645.8	646.3	646.8
120°	702.9	702.6	702.3	701.5	699.9	698.5	697.0	695.6	697.0	698.5	699.9
122.5°	754.4	753.6	752.9	752.1	751.6	751.1	750.6	750.1	750.6	751.1	751.6
125°	832.5	832.2	831.9	830.9	829.2	827.5	825.7	823.9	825.7	827.5	829.2
127.5°	907.9	907.6	907.2	906.6	905.5	904.5	903.5	902.5	903.5	904.5	905.5
130°	957.8	957.2	956.5	955.5	954.1	952.6	951.2	949.7	951.2	952.6	954.1
132.5°	1007.3	1007.4	1007.5	1006.4	1004.0	1001.7	999.3	996.8	999.3	1001.7	1004.0
135°	1080.2	1079.8	1079.5	1078.5	1076.8	1075.0	1073.3	1071.6	1073.3	1075.0	1076.8
137.5°	1150.9	1150.3	1149.6	1148.5	1146.8	1145.2	1143.5	1141.8	1143.5	1145.2	1146.8
140°	1195.6	1194.7	1193.8	1192.7	1191.2	1189.7	1188.3	1186.8	1188.3	1189.7	1191.2
142.5°	1240.1	1239.0	1237.9	1236.8	1235.6	1234.4	1233.1	1231.9	1233.1	1234.4	1235.6
145°	1305.6	1304.7	1303.8	1302.8	1301.6	1300.5	1299.3	1298.2	1299.3	1300.5	1301.6
147.5°	1364.1	1363.4	1362.7	1362.0	1361.4	1360.8	1360.1	1359.5	1360.1	1360.8	1361.4
150°	1402.0	1400.8	1399.6	1399.2	1399.5	1399.8	1400.1	1400.4	1400.1	1399.8	1399.5
152.5°	1436.8	1436.4	1435.9	1435.5	1435.1	1434.7	1434.3	1433.9	1434.3	1434.7	1435.1
155°	1486.2	1485.9	1485.6	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5
157.5°	1529.4	1529.1	1528.8	1529.0	1529.6	1530.3	1531.0	1531.6	1531.0	1530.3	1529.6
160°	1555.7	1555.4	1555.1	1555.4	1556.2	1557.1	1558.0	1558.8	1558.0	1557.1	1556.2
162.5°	1580.2	1580.1	1580.1	1580.4	1581.0	1581.7	1582.4	1583.0	1582.4	1581.7	1581.0
165°	1613.3	1613.0	1612.8	1612.9	1613.5	1614.0	1614.6	1615.2	1614.6	1614.0	1613.5
167.5°	1637.2	1637.2	1637.2	1637.8	1638.9	1640.1	1641.2	1642.4	1641.2	1640.1	1638.9
170°	1651.8	1651.8	1651.8	1652.4	1653.7	1654.8	1656.0	1657.1	1656.0	1654.8	1653.7
172.5°	1662.3	1662.3	1662.3	1662.9	1664.1	1665.3	1666.4	1667.6	1666.4	1665.3	1664.1
175°	1674.2	1674.2	1674.2	1674.8	1675.9	1677.1	1678.2	1679.4	1678.2	1677.1	1675.9
177.5°	1680.6	1680.8	1681.1	1681.6	1682.6	1683.5	1684.5	1685.4	1684.5	1683.5	1682.6
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1822.5	1815.6	1810.0	1797.4	1790.4	1781.0	1773.4	1781.6	1772.8	1776.6	1770.9
5°	1765.7	1743.6	1728.0	1705.1	1685.5	1667.3	1654.0	1651.5	1645.3	1642.1	1632.6
7.5°	1697.4	1669.8	1642.7	1612.9	1587.6	1562.0	1545.6	1532.1	1523.1	1511.3	1503.3
10°	1657.1	1620.1	1588.6	1552.4	1520.9	1493.4	1471.3	1460.3	1450.1	1435.1	1429.6
12.5°	1607.3	1569.0	1530.7	1492.0	1461.7	1431.0	1412.1	1395.4	1388.4	1371.5	1369.8
15°	1547.6	1490.2	1452.4	1413.0	1371.3	1346.2	1330.4	1312.3	1304.4	1292.6	1283.9
17.5°	1476.5	1425.1	1378.0	1337.2	1301.4	1280.2	1260.6	1248.2	1234.7	1227.0	1212.7
20°	1424.8	1376.0	1328.8	1285.6	1258.0	1233.6	1217.8	1206.0	1191.8	1187.9	1173.8
22.5°	1381.4	1327.6	1282.2	1245.9	1215.8	1188.2	1171.2	1163.2	1153.5	1141.3	1138.4
25°	1310.7	1254.9	1216.3	1180.0	1153.3	1128.1	1116.3	1106.0	1096.6	1087.9	1084.8
27.5°	1249.6	1199.7	1153.9	1121.2	1097.8	1074.9	1064.5	1052.1	1045.1	1038.1	1029.7
30°	1206.8	1155.6	1115.5	1084.0	1058.8	1038.3	1027.3	1018.7	1012.4	1006.0	1001.4
32.5°	1162.8	1115.3	1076.4	1045.6	1020.4	1004.9	995.2	989.1	982.1	974.5	968.6
35°	1104.5	1052.5	1014.7	988.0	968.3	956.4	945.4	939.9	932.1	932.1	925.7
37.5°	1038.8	993.9	960.6	936.1	918.5	908.0	896.1	892.2	887.2	883.8	881.7
40°	999.8	958.1	926.6	902.1	883.2	874.5	865.2	858.9	855.7	851.7	850.2
42.5°	959.5	919.6	889.4	866.9	850.5	843.1	834.2	829.9	823.5	818.4	817.5
45°	898.2	859.6	832.1	814.0	799.8	791.1	785.7	776.2	773.1	766.8	766.0
47.5°	840.1	803.1	776.1	761.2	748.8	741.7	733.1	723.6	720.0	716.8	716.5
50°	796.7	762.9	737.6	723.5	711.7	701.5	692.8	686.4	684.1	684.1	685.7
52.5°	752.6	723.8	702.4	685.0	673.9	663.0	655.0	651.2	647.5	651.4	654.2
55°	688.0	658.9	643.2	626.6	615.6	603.0	599.1	597.5	595.1	601.5	604.6
57.5°	619.7	599.3	580.8	564.4	554.5	547.2	541.9	541.0	545.4	548.4	558.6
60°	576.2	552.6	536.1	523.5	511.7	507.0	505.4	503.8	507.0	515.6	529.0
62.5°	528.4	509.2	491.4	481.9	473.2	465.4	465.0	466.1	472.3	482.2	495.6
65°	458.2	441.6	429.8	418.8	411.7	407.0	408.6	411.7	418.8	432.2	447.2
67.5°	386.9	375.5	365.0	356.0	349.2	349.2	350.8	355.5	363.9	379.3	392.9
70°	340.8	328.3	319.6	315.7	310.1	307.0	311.7	319.6	326.7	340.8	352.6
72.5°	294.9	284.2	277.4	274.8	272.4	269.8	271.5	279.9	289.5	303.7	317.4
75°	226.7	222.8	218.0	214.9	212.6	214.1	215.7	223.6	231.5	246.4	262.2
77.5°	165.5	161.4	158.5	157.7	156.5	157.2	161.7	167.5	175.2	186.1	198.0
80°	125.1	123.6	122.0	121.2	121.2	122.0	128.4	132.3	139.4	149.6	159.1
82.5°	91.2	90.2	89.9	89.8	90.4	90.5	94.3	99.5	105.3	113.0	121.2
85°	48.1	46.5	48.8	49.6	48.1	50.4	51.9	55.1	57.5	61.4	65.3
87.5°	17.9	19.6	19.4	20.4	20.8	22.4	22.1	24.9	26.5	28.1	27.7
90°	10.6	12.8	14.8	16.9	18.9	21.0	22.4	23.8	25.3	26.8	28.0
92.5°	38.2	40.3	42.8	45.3	47.8	50.3	52.2	54.1	56.0	58.0	59.3
95°	87.5	89.3	92.1	95.0	98.0	100.9	102.9	104.9	106.9	109.1	110.3
97.5°	142.4	144.5	148.6	152.6	156.6	160.6	162.5	164.4	166.3	168.2	169.5
100°	183.4	185.3	189.0	192.9	196.6	200.5	203.1	205.7	208.2	210.9	212.5
102.5°	233.1	234.7	236.6	238.5	240.4	242.4	245.2	248.0	250.9	253.8	255.6
105°	304.5	306.1	307.8	309.6	311.3	313.1	314.9	316.6	318.3	320.0	321.3
107.5°	382.0	383.4	384.8	386.1	387.5	388.8	389.7	390.5	391.4	392.3	392.7
110°	435.5	436.7	437.6	438.4	439.3	440.1	441.0	441.9	442.7	443.6	443.9



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	487.2	488.2	489.2	490.3	491.4	492.5	492.9	493.3	493.7	494.1	494.1
115°	569.3	570.2	570.7	571.3	571.9	572.5	572.2	571.9	571.6	571.3	571.0
117.5°	647.4	647.9	648.4	648.9	649.4	650.1	650.3	650.5	650.7	651.0	650.5
120°	701.5	702.3	702.6	702.9	703.2	703.5	703.5	703.5	703.5	703.5	702.9
122.5°	752.1	752.9	753.6	754.4	755.1	755.9	755.6	755.4	755.2	754.9	754.4
125°	830.9	831.9	832.2	832.5	832.8	833.1	832.5	831.9	831.4	830.8	830.4
127.5°	906.6	907.2	907.6	907.9	908.3	908.6	908.3	908.0	907.7	907.5	907.0
130°	955.5	956.5	957.2	957.8	958.3	958.9	958.6	958.3	958.1	957.8	957.3
132.5°	1006.4	1007.5	1007.4	1007.3	1007.2	1007.1	1006.8	1006.5	1006.2	1005.9	1005.4
135°	1078.5	1079.5	1079.8	1080.2	1080.5	1080.8	1080.8	1080.8	1080.8	1080.8	1080.2
137.5°	1148.5	1149.6	1150.3	1150.9	1151.7	1152.3	1152.6	1153.0	1153.3	1153.7	1153.1
140°	1192.7	1193.8	1194.7	1195.6	1196.4	1197.3	1197.9	1198.5	1199.0	1199.6	1199.2
142.5°	1236.8	1237.9	1239.0	1240.1	1241.2	1242.3	1242.7	1243.0	1243.4	1243.7	1243.2
145°	1302.8	1303.8	1304.7	1305.6	1306.5	1307.4	1307.4	1307.4	1307.4	1307.4	1306.9
147.5°	1362.0	1362.7	1363.4	1364.1	1364.8	1365.5	1366.2	1366.9	1367.6	1368.3	1367.7
150°	1399.2	1399.6	1400.8	1402.0	1403.1	1404.3	1404.3	1404.3	1404.3	1404.3	1404.0
152.5°	1435.5	1435.9	1436.4	1436.8	1437.3	1437.8	1438.6	1439.2	1439.9	1440.6	1440.5
155°	1485.5	1485.6	1485.9	1486.2	1486.5	1486.8	1487.9	1489.1	1490.3	1491.5	1491.3
157.5°	1529.0	1528.8	1529.1	1529.4	1529.7	1530.0	1531.2	1532.4	1533.5	1534.7	1534.3
160°	1555.4	1555.1	1555.4	1555.7	1555.9	1556.2	1557.4	1558.5	1559.7	1560.8	1560.7
162.5°	1580.4	1580.1	1580.1	1580.2	1580.2	1580.3	1581.8	1583.2	1584.5	1585.9	1585.8
165°	1612.9	1612.8	1613.0	1613.3	1613.6	1613.9	1615.1	1616.2	1617.4	1618.5	1618.2
167.5°	1637.8	1637.2	1637.2	1637.2	1637.2	1637.2	1638.9	1640.7	1642.4	1644.2	1644.2
170°	1652.4	1651.8	1651.8	1651.8	1651.8	1651.8	1653.7	1655.4	1657.1	1658.8	1658.7
172.5°	1662.9	1662.3	1662.3	1662.3	1662.3	1662.3	1664.1	1665.9	1667.6	1669.3	1669.3
175°	1674.8	1674.2	1674.2	1674.2	1674.2	1674.2	1675.9	1677.6	1679.4	1681.1	1680.9
177.5°	1681.6	1681.1	1680.8	1680.6	1680.4	1680.1	1681.5	1682.9	1684.4	1685.8	1685.7
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1767.2	1771.5	1767.8	1772.8	1767.8	1771.5	1767.2	1770.9	1776.6	1772.8	1781.6
5°	1628.7	1621.6	1626.4	1623.3	1626.4	1621.6	1628.7	1632.6	1642.1	1645.3	1651.5
7.5°	1500.9	1494.1	1486.4	1482.8	1486.4	1494.1	1500.9	1503.3	1511.3	1523.1	1532.1
10°	1420.9	1412.3	1411.5	1405.9	1411.5	1412.3	1420.9	1429.6	1435.1	1450.1	1460.3
12.5°	1362.3	1354.3	1345.3	1343.0	1345.3	1354.3	1362.3	1369.8	1371.5	1388.4	1395.4
15°	1279.2	1272.9	1267.4	1272.1	1267.4	1272.9	1279.2	1283.9	1292.6	1304.4	1312.3
17.5°	1210.1	1204.9	1204.0	1198.1	1204.0	1204.9	1210.1	1212.7	1227.0	1234.7	1248.2
20°	1166.7	1162.8	1164.3	1154.1	1164.3	1162.8	1166.7	1173.8	1187.9	1191.8	1206.0
22.5°	1132.1	1124.3	1123.4	1121.4	1123.4	1124.3	1132.1	1138.4	1141.3	1153.5	1163.2
25°	1077.7	1073.8	1069.9	1073.8	1069.9	1073.8	1077.7	1084.8	1087.9	1096.6	1106.0
27.5°	1030.3	1025.6	1024.5	1024.9	1024.5	1025.6	1030.3	1029.7	1038.1	1045.1	1052.1
30°	1001.4	993.5	994.2	993.5	994.2	993.5	1001.4	1001.4	1006.0	1012.4	1018.7
32.5°	969.9	964.5	963.4	962.0	963.4	964.5	969.9	968.6	974.5	982.1	989.1
35°	923.4	923.4	919.5	919.5	919.5	923.4	923.4	925.7	932.1	932.1	939.9
37.5°	879.8	879.0	876.7	877.0	876.7	879.0	879.8	881.7	883.8	887.2	892.2
40°	847.1	846.3	843.8	839.2	843.8	846.3	847.1	850.2	851.7	855.7	858.9
42.5°	815.6	812.8	811.7	810.2	811.7	812.8	815.6	817.5	818.4	823.5	829.9
45°	766.0	766.0	764.4	763.6	764.4	766.0	766.0	766.0	766.8	773.1	776.2
47.5°	717.8	719.2	722.2	721.8	722.2	719.2	717.8	716.5	716.8	720.0	723.6
50°	688.8	689.6	692.0	692.8	692.0	689.6	688.8	685.7	684.1	684.1	686.4
52.5°	656.7	661.3	664.3	663.8	664.3	661.3	656.7	654.2	651.4	647.5	651.2
55°	611.7	617.1	622.7	623.5	622.7	617.1	611.7	604.6	601.5	595.1	597.5
57.5°	567.1	574.8	580.7	582.5	580.7	574.8	567.1	558.6	548.4	545.4	541.0
60°	536.8	547.1	554.2	557.3	554.2	547.1	536.8	529.0	515.6	507.0	503.8
62.5°	507.9	519.4	526.4	527.1	526.4	519.4	507.9	495.6	482.2	472.3	466.1
65°	460.5	472.3	478.6	483.3	478.6	472.3	460.5	447.2	432.2	418.8	411.7
67.5°	409.5	421.3	428.3	432.0	428.3	421.3	409.5	392.9	379.3	363.9	355.5
70°	372.3	384.2	393.6	396.8	393.6	384.2	372.3	352.6	340.8	326.7	319.6
72.5°	335.8	346.4	354.0	357.7	354.0	346.4	335.8	317.4	303.7	289.5	279.9
75°	272.4	286.5	293.7	297.6	293.7	286.5	272.4	262.2	246.4	231.5	223.6
77.5°	210.1	223.0	227.2	229.2	227.2	223.0	210.1	198.0	186.1	175.2	167.5
80°	168.4	176.3	181.9	182.6	181.9	176.3	168.4	159.1	149.6	139.4	132.3
82.5°	129.5	136.0	137.7	139.8	137.7	136.0	129.5	121.2	113.0	105.3	99.5
85°	70.9	74.0	74.8	74.0	74.8	74.0	70.9	65.3	61.4	57.5	55.1
87.5°	29.1	28.6	28.8	30.2	28.8	28.6	29.1	27.7	28.1	26.5	24.9
90°	28.8	29.7	30.6	31.4	30.6	29.7	28.8	28.0	26.8	25.3	23.8
92.5°	59.9	60.6	61.2	61.8	61.2	60.6	59.9	59.3	58.0	56.0	54.1
95°	110.9	111.5	112.1	112.7	112.1	111.5	110.9	110.3	109.1	106.9	104.9
97.5°	169.8	170.2	170.5	170.9	170.5	170.2	169.8	169.5	168.2	166.3	164.4
100°	213.1	213.7	214.3	214.8	214.3	213.7	213.1	212.5	210.9	208.2	205.7
102.5°	256.4	257.2	258.0	258.8	258.0	257.2	256.4	255.6	253.8	250.9	248.0
105°	322.2	323.2	324.0	324.9	324.0	323.2	322.2	321.3	320.0	318.3	316.6
107.5°	392.6	392.5	392.5	392.4	392.5	392.5	392.6	392.7	392.3	391.4	390.5
110°	443.6	443.3	443.0	442.7	443.0	443.3	443.6	443.9	443.6	442.7	441.9



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	493.6	493.1	492.5	492.0	492.5	493.1	493.6	494.1	494.1	493.7	493.3
115°	570.7	570.4	570.2	569.9	570.2	570.4	570.7	571.0	571.3	571.6	571.9
117.5°	649.3	648.1	647.0	645.8	647.0	648.1	649.3	650.5	651.0	650.7	650.5
120°	701.7	700.5	699.3	698.2	699.3	700.5	701.7	702.9	703.5	703.5	703.5
122.5°	753.4	752.5	751.5	750.6	751.5	752.5	753.4	754.4	754.9	755.2	755.4
125°	830.1	829.8	829.5	829.2	829.5	829.8	830.1	830.4	830.8	831.4	831.9
127.5°	906.5	905.8	905.2	904.6	905.2	905.8	906.5	907.0	907.5	907.7	908.0
130°	956.7	956.1	955.5	954.9	955.5	956.1	956.7	957.3	957.8	958.1	958.3
132.5°	1004.6	1003.7	1002.9	1002.1	1002.9	1003.7	1004.6	1005.4	1005.9	1006.2	1006.5
135°	1078.9	1077.8	1076.6	1075.5	1076.6	1077.8	1078.9	1080.2	1080.8	1080.8	1080.8
137.5°	1151.7	1150.1	1148.7	1147.3	1148.7	1150.1	1151.7	1153.1	1153.7	1153.3	1153.0
140°	1197.7	1196.3	1194.9	1193.4	1194.9	1196.3	1197.7	1199.2	1199.6	1199.0	1198.5
142.5°	1241.7	1240.3	1238.8	1237.4	1238.8	1240.3	1241.7	1243.2	1243.7	1243.4	1243.0
145°	1306.1	1305.1	1304.2	1303.4	1304.2	1305.1	1306.1	1306.9	1307.4	1307.4	1307.4
147.5°	1365.6	1363.7	1361.7	1359.8	1361.7	1363.7	1365.6	1367.7	1368.3	1367.6	1366.9
150°	1403.4	1402.8	1402.2	1401.7	1402.2	1402.8	1403.4	1404.0	1404.3	1404.3	1404.3
152.5°	1439.4	1438.4	1437.2	1436.2	1437.2	1438.4	1439.4	1440.5	1440.6	1439.9	1439.2
155°	1489.9	1488.4	1486.9	1485.5	1486.9	1488.4	1489.9	1491.3	1491.5	1490.3	1489.1
157.5°	1532.4	1530.5	1528.5	1526.6	1528.5	1530.5	1532.4	1534.3	1534.7	1533.5	1532.4
160°	1559.3	1557.8	1556.4	1554.9	1556.4	1557.8	1559.3	1560.7	1560.8	1559.7	1558.5
162.5°	1584.1	1582.4	1580.7	1579.0	1580.7	1582.4	1584.1	1585.8	1585.9	1584.5	1583.2
165°	1616.5	1614.8	1613.0	1611.2	1613.0	1614.8	1616.5	1618.2	1618.5	1617.4	1616.2
167.5°	1642.3	1640.5	1638.7	1636.9	1638.7	1640.5	1642.3	1644.2	1644.2	1642.4	1640.7
170°	1656.7	1654.7	1652.5	1650.5	1652.5	1654.7	1656.7	1658.7	1658.8	1657.1	1655.4
172.5°	1667.5	1665.7	1663.9	1662.0	1663.9	1665.7	1667.5	1669.3	1669.3	1667.6	1665.9
175°	1678.9	1676.9	1674.9	1672.8	1674.9	1676.9	1678.9	1680.9	1681.1	1679.4	1677.6
177.5°	1683.9	1682.3	1680.7	1679.1	1680.7	1682.3	1683.9	1685.7	1685.8	1684.4	1682.9
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1773.4	1781.0	1790.4	1797.4	1810.0	1815.6	1822.5	1828.3	1838.3	1847.8	1859.1
5°	1654.0	1667.3	1685.5	1705.1	1728.0	1743.6	1765.7	1779.1	1805.8	1830.3	1853.9
7.5°	1545.6	1562.0	1587.6	1612.9	1642.7	1669.8	1697.4	1728.0	1762.1	1802.4	1835.7
10°	1471.3	1493.4	1520.9	1552.4	1588.6	1620.1	1657.1	1690.1	1731.8	1779.1	1823.2
12.5°	1412.1	1431.0	1461.7	1492.0	1530.7	1569.0	1607.3	1651.1	1699.7	1752.0	1807.5
15°	1330.4	1346.2	1371.3	1413.0	1452.4	1490.2	1547.6	1588.6	1650.0	1708.3	1775.1
17.5°	1260.6	1280.2	1301.4	1337.2	1378.0	1425.1	1476.5	1527.8	1587.0	1660.8	1736.3
20°	1217.8	1233.6	1258.0	1285.6	1328.8	1376.0	1424.8	1476.8	1549.2	1625.6	1706.7
22.5°	1171.2	1188.2	1215.8	1245.9	1282.2	1327.6	1381.4	1438.4	1514.0	1589.0	1677.1
25°	1116.3	1128.1	1153.3	1180.0	1216.3	1254.9	1310.7	1373.7	1448.4	1534.3	1624.1
27.5°	1064.5	1074.9	1097.8	1121.2	1153.9	1199.7	1249.6	1313.2	1383.7	1470.7	1570.1
30°	1027.3	1038.3	1058.8	1084.0	1115.5	1155.6	1206.8	1266.7	1342.2	1427.2	1531.2
32.5°	995.2	1004.9	1020.4	1045.6	1076.4	1115.3	1162.8	1223.8	1299.4	1385.6	1487.6
35°	945.4	956.4	968.3	988.0	1014.7	1052.5	1104.5	1162.0	1234.4	1317.8	1411.5
37.5°	896.1	908.0	918.5	936.1	960.6	993.9	1038.8	1098.6	1164.2	1244.6	1334.4
40°	865.2	874.5	883.2	902.1	926.6	958.1	999.8	1053.3	1122.6	1197.4	1272.1
42.5°	834.2	843.1	850.5	866.9	889.4	919.6	959.5	1011.7	1076.0	1145.7	1211.6
45°	785.7	791.1	799.8	814.0	832.1	859.6	898.2	944.6	999.0	1065.1	1114.7
47.5°	733.1	741.7	748.8	761.2	776.1	803.1	840.1	879.6	928.9	978.1	1013.0
50°	692.8	701.5	711.7	723.5	737.6	762.9	796.7	836.8	878.5	916.4	946.2
52.5°	655.0	663.0	673.9	685.0	702.4	723.8	752.6	788.3	829.4	856.5	881.4
55°	599.1	603.0	615.6	626.6	643.2	658.9	688.0	719.5	744.7	765.2	785.7
57.5°	541.9	547.2	554.5	564.4	580.8	599.3	619.7	647.5	662.4	672.9	688.8
60°	505.4	507.0	511.7	523.5	536.1	552.6	576.2	595.9	606.9	615.6	628.9
62.5°	465.0	465.4	473.2	481.9	491.4	509.2	528.4	544.3	553.4	557.6	570.4
65°	408.6	407.0	411.7	418.8	429.8	441.6	458.2	472.3	471.5	476.3	484.1
67.5°	350.8	349.2	349.2	356.0	365.0	375.5	386.9	395.1	395.2	401.5	405.5
70°	311.7	307.0	310.1	315.7	319.6	328.3	340.8	344.1	344.8	347.9	351.8
72.5°	271.5	269.8	272.4	274.8	277.4	284.2	294.9	296.8	296.9	298.8	305.3
75°	215.7	214.1	212.6	214.9	218.0	222.8	226.7	229.8	229.0	229.8	234.6
77.5°	161.7	157.2	156.5	157.7	158.5	161.4	165.5	165.1	165.9	165.8	171.2
80°	128.4	122.0	121.2	121.2	122.0	123.6	125.1	126.7	124.4	126.7	128.4
82.5°	94.3	90.5	90.4	89.8	89.9	90.2	91.2	92.1	91.6	92.7	93.7
85°	51.9	50.4	48.1	49.6	48.8	46.5	48.1	45.6	44.8	45.6	46.5
87.5°	22.1	22.4	20.8	20.4	19.4	19.6	17.9	16.8	15.7	15.9	17.3
90°	22.4	21.0	18.9	16.9	14.8	12.8	10.6	8.3	6.0	3.6	1.3
92.5°	52.2	50.3	47.8	45.3	42.8	40.3	38.2	36.6	34.9	33.3	31.7
95°	102.9	100.9	98.0	95.0	92.1	89.3	87.5	86.8	86.3	85.7	85.1
97.5°	162.5	160.6	156.6	152.6	148.6	144.5	142.4	142.2	142.0	141.7	141.5
100°	203.1	200.5	196.6	192.9	189.0	185.3	183.4	183.4	183.4	183.4	183.4
102.5°	245.2	242.4	240.4	238.5	236.6	234.7	233.1	232.0	230.8	229.6	228.4
105°	314.9	313.1	311.3	309.6	307.8	306.1	304.5	303.1	301.5	300.1	298.7
107.5°	389.7	388.8	387.5	386.1	384.8	383.4	382.0	380.6	379.1	377.7	376.2
110°	441.0	440.1	439.3	438.4	437.6	436.7	435.5	434.0	432.6	431.1	429.7



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	492.9	492.5	491.4	490.3	489.2	488.2	487.2	486.5	485.6	484.9	484.1
115°	572.2	572.5	571.9	571.3	570.7	570.2	569.3	568.0	566.9	565.7	564.6
117.5°	650.3	650.1	649.4	648.9	648.4	647.9	647.4	646.8	646.3	645.8	645.3
120°	703.5	703.5	703.2	702.9	702.6	702.3	701.5	699.9	698.5	697.0	695.6
122.5°	755.6	755.9	755.1	754.4	753.6	752.9	752.1	751.6	751.1	750.6	750.1
125°	832.5	833.1	832.8	832.5	832.2	831.9	830.9	829.2	827.5	825.7	823.9
127.5°	908.3	908.6	908.3	907.9	907.6	907.2	906.6	905.5	904.5	903.5	902.5
130°	958.6	958.9	958.3	957.8	957.2	956.5	955.5	954.1	952.6	951.2	949.7
132.5°	1006.8	1007.1	1007.2	1007.3	1007.4	1007.5	1006.4	1004.0	1001.7	999.3	996.8
135°	1080.8	1080.8	1080.5	1080.2	1079.8	1079.5	1078.5	1076.8	1075.0	1073.3	1071.6
137.5°	1152.6	1152.3	1151.7	1150.9	1150.3	1149.6	1148.5	1146.8	1145.2	1143.5	1141.8
140°	1197.9	1197.3	1196.4	1195.6	1194.7	1193.8	1192.7	1191.2	1189.7	1188.3	1186.8
142.5°	1242.7	1242.3	1241.2	1240.1	1239.0	1237.9	1236.8	1235.6	1234.4	1233.1	1231.9
145°	1307.4	1307.4	1306.5	1305.6	1304.7	1303.8	1302.8	1301.6	1300.5	1299.3	1298.2
147.5°	1366.2	1365.5	1364.8	1364.1	1363.4	1362.7	1362.0	1361.4	1360.8	1360.1	1359.5
150°	1404.3	1404.3	1403.1	1402.0	1400.8	1399.6	1399.2	1399.5	1399.8	1400.1	1400.4
152.5°	1438.6	1437.8	1437.3	1436.8	1436.4	1435.9	1435.5	1435.1	1434.7	1434.3	1433.9
155°	1487.9	1486.8	1486.5	1486.2	1485.9	1485.6	1485.5	1485.5	1485.5	1485.5	1485.5
157.5°	1531.2	1530.0	1529.7	1529.4	1529.1	1528.8	1529.0	1529.6	1530.3	1531.0	1531.6
160°	1557.4	1556.2	1555.9	1555.7	1555.4	1555.1	1555.4	1556.2	1557.1	1558.0	1558.8
162.5°	1581.8	1580.3	1580.2	1580.2	1580.1	1580.1	1580.4	1581.0	1581.7	1582.4	1583.0
165°	1615.1	1613.9	1613.6	1613.3	1613.0	1612.8	1612.9	1613.5	1614.0	1614.6	1615.2
167.5°	1638.9	1637.2	1637.2	1637.2	1637.2	1637.2	1637.8	1638.9	1640.1	1641.2	1642.4
170°	1653.7	1651.8	1651.8	1651.8	1651.8	1651.8	1652.4	1653.7	1654.8	1656.0	1657.1
172.5°	1664.1	1662.3	1662.3	1662.3	1662.3	1662.3	1662.9	1664.1	1665.3	1666.4	1667.6
175°	1675.9	1674.2	1674.2	1674.2	1674.2	1674.2	1674.8	1675.9	1677.1	1678.2	1679.4
177.5°	1681.5	1680.1	1680.4	1680.6	1680.8	1681.1	1681.6	1682.6	1683.5	1684.5	1685.4
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1864.7	1873.6	1879.3	1890.0	1898.7	1903.8	1908.2	1912.0	1916.4	1920.2	1930.9
5°	1876.7	1897.1	1914.5	1941.3	1965.7	1984.6	2005.0	2023.2	2038.1	2059.3	2075.9
7.5°	1871.5	1907.8	1946.0	1987.4	2029.7	2069.1	2105.4	2139.2	2169.9	2207.1	2239.6
10°	1866.4	1916.1	1964.9	2020.7	2078.2	2127.1	2172.7	2219.2	2253.0	2300.3	2340.4
12.5°	1862.7	1921.1	1980.0	2047.2	2110.3	2179.3	2240.1	2273.9	2325.4	2363.2	2411.0
15°	1846.8	1924.0	2005.0	2080.6	2170.3	2234.1	2287.6	2353.8	2401.8	2449.8	2501.7
17.5°	1818.3	1905.7	1996.4	2095.4	2181.5	2250.0	2319.0	2382.8	2440.0	2504.5	2569.1
20°	1805.0	1892.5	1996.4	2097.9	2182.1	2253.8	2324.6	2394.7	2457.7	2540.3	2615.1
22.5°	1777.4	1883.0	1978.7	2077.8	2164.5	2242.4	2322.8	2402.3	2486.0	2579.4	2673.0
25°	1728.0	1835.0	1936.5	2034.2	2121.5	2219.2	2304.9	2411.3	2518.3	2641.9	2758.3
27.5°	1676.6	1779.1	1872.2	1966.4	2068.3	2178.9	2290.2	2410.7	2550.9	2706.9	2871.2
30°	1635.1	1731.8	1822.4	1919.2	2025.5	2149.9	2271.9	2415.2	2577.4	2752.9	2948.1
32.5°	1586.5	1675.8	1763.8	1866.3	1982.1	2113.3	2255.5	2412.7	2607.6	2807.0	3008.0
35°	1503.6	1578.3	1668.9	1778.3	1908.9	2059.3	2223.9	2409.6	2633.2	2862.3	3031.5
37.5°	1405.1	1474.8	1570.1	1690.1	1827.1	1988.5	2183.7	2404.2	2641.6	2824.2	2878.8
40°	1339.1	1403.6	1502.8	1627.2	1767.3	1938.1	2152.2	2385.3	2615.1	2731.6	2686.7
42.5°	1268.5	1336.3	1432.9	1556.0	1706.9	1892.8	2112.5	2345.6	2538.3	2582.3	2427.3
45°	1157.2	1227.3	1322.5	1446.9	1609.0	1810.6	2039.6	2251.4	2362.4	2282.9	2042.9
47.5°	1053.8	1119.4	1207.7	1336.1	1503.4	1711.8	1932.5	2101.4	2110.2	1920.5	1664.1
50°	983.2	1043.8	1132.8	1261.1	1427.2	1638.2	1837.3	1970.3	1910.6	1695.7	1449.3
52.5°	913.9	973.3	1061.0	1188.1	1352.3	1545.6	1730.9	1824.3	1711.5	1491.0	1280.5
55°	814.0	866.0	951.7	1069.0	1224.9	1404.4	1561.9	1594.1	1447.6	1230.4	1059.6
57.5°	716.4	764.9	842.9	951.0	1093.5	1252.4	1375.5	1368.7	1213.9	1027.4	891.9
60°	650.3	697.5	766.8	872.2	1002.1	1139.1	1244.6	1219.4	1065.9	905.3	791.1
62.5°	591.1	633.2	698.7	791.0	909.6	1036.4	1123.1	1085.9	935.5	795.1	704.9
65°	503.8	539.3	595.1	673.9	772.2	877.0	943.8	895.9	767.5	658.1	585.7
67.5°	420.5	448.9	495.7	558.6	642.5	726.6	767.4	719.0	616.4	536.5	482.9
70°	367.6	392.8	429.0	484.9	558.2	628.9	659.6	616.4	528.3	459.7	421.1
72.5°	314.8	335.5	367.3	417.6	476.3	537.7	564.6	523.2	450.8	392.9	356.9
75°	243.3	257.4	279.4	314.1	360.5	409.4	424.3	388.1	341.6	298.3	274.8
77.5°	174.1	186.1	202.8	224.7	257.6	288.6	301.6	280.7	244.8	217.4	198.0
80°	133.8	140.2	154.3	172.4	198.3	218.0	226.7	213.4	188.1	167.6	152.7
82.5°	95.4	101.7	110.2	125.1	141.7	155.1	164.4	155.4	137.1	121.1	112.4
85°	46.5	50.4	55.1	61.4	74.0	81.9	81.1	75.5	68.5	62.2	57.5
87.5°	17.1	18.2	20.6	24.1	26.5	29.4	31.1	30.2	28.1	26.6	24.9
90°	3.6	6.0	8.3	10.6	12.8	14.8	16.9	18.9	21.0	22.4	23.8
92.5°	33.3	34.9	36.6	38.2	40.3	42.8	45.3	47.8	50.3	52.2	54.1
95°	85.7	86.3	86.8	87.5	89.3	92.1	95.0	98.0	100.9	102.9	104.9
97.5°	141.7	142.0	142.2	142.4	144.5	148.6	152.6	156.6	160.6	162.5	164.4
100°	183.4	183.4	183.4	183.4	185.3	189.0	192.9	196.6	200.5	203.1	205.7
102.5°	229.6	230.8	232.0	233.1	234.7	236.6	238.5	240.4	242.4	245.2	248.0
105°	300.1	301.5	303.1	304.5	306.1	307.8	309.6	311.3	313.1	314.9	316.6
107.5°	377.7	379.1	380.6	382.0	383.4	384.8	386.1	387.5	388.8	389.7	390.5
110°	431.1	432.6	434.0	435.5	436.7	437.6	438.4	439.3	440.1	441.0	441.9



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	484.9	485.6	486.5	487.2	488.2	489.2	490.3	491.4	492.5	492.9	493.3
115°	565.7	566.9	568.0	569.3	570.2	570.7	571.3	571.9	572.5	572.2	571.9
117.5°	645.8	646.3	646.8	647.4	647.9	648.4	648.9	649.4	650.1	650.3	650.5
120°	697.0	698.5	699.9	701.5	702.3	702.6	702.9	703.2	703.5	703.5	703.5
122.5°	750.6	751.1	751.6	752.1	752.9	753.6	754.4	755.1	755.9	755.6	755.4
125°	825.7	827.5	829.2	830.9	831.9	832.2	832.5	832.8	833.1	832.5	831.9
127.5°	903.5	904.5	905.5	906.6	907.2	907.6	907.9	908.3	908.6	908.3	908.0
130°	951.2	952.6	954.1	955.5	956.5	957.2	957.8	958.3	958.9	958.6	958.3
132.5°	999.3	1001.7	1004.0	1006.4	1007.5	1007.4	1007.3	1007.2	1007.1	1006.8	1006.5
135°	1073.3	1075.0	1076.8	1078.5	1079.5	1079.8	1080.2	1080.5	1080.8	1080.8	1080.8
137.5°	1143.5	1145.2	1146.8	1148.5	1149.6	1150.3	1150.9	1151.7	1152.3	1152.6	1153.0
140°	1188.3	1189.7	1191.2	1192.7	1193.8	1194.7	1195.6	1196.4	1197.3	1197.9	1198.5
142.5°	1233.1	1234.4	1235.6	1236.8	1237.9	1239.0	1240.1	1241.2	1242.3	1242.7	1243.0
145°	1299.3	1300.5	1301.6	1302.8	1303.8	1304.7	1305.6	1306.5	1307.4	1307.4	1307.4
147.5°	1360.1	1360.8	1361.4	1362.0	1362.7	1363.4	1364.1	1364.8	1365.5	1366.2	1366.9
150°	1400.1	1399.8	1399.5	1399.2	1399.6	1400.8	1402.0	1403.1	1404.3	1404.3	1404.3
152.5°	1434.3	1434.7	1435.1	1435.5	1435.9	1436.4	1436.8	1437.3	1437.8	1438.6	1439.2
155°	1485.5	1485.5	1485.5	1485.5	1485.6	1485.9	1486.2	1486.5	1486.8	1487.9	1489.1
157.5°	1531.0	1530.3	1529.6	1529.0	1528.8	1529.1	1529.4	1529.7	1530.0	1531.2	1532.4
160°	1558.0	1557.1	1556.2	1555.4	1555.1	1555.4	1555.7	1555.9	1556.2	1557.4	1558.5
162.5°	1582.4	1581.7	1581.0	1580.4	1580.1	1580.1	1580.2	1580.2	1580.3	1581.8	1583.2
165°	1614.6	1614.0	1613.5	1612.9	1612.8	1613.0	1613.3	1613.6	1613.9	1615.1	1616.2
167.5°	1641.2	1640.1	1638.9	1637.8	1637.2	1637.2	1637.2	1637.2	1637.2	1638.9	1640.7
170°	1656.0	1654.8	1653.7	1652.4	1651.8	1651.8	1651.8	1651.8	1651.8	1653.7	1655.4
172.5°	1666.4	1665.3	1664.1	1662.9	1662.3	1662.3	1662.3	1662.3	1662.3	1664.1	1665.9
175°	1678.2	1677.1	1675.9	1674.8	1674.2	1674.2	1674.2	1674.2	1674.2	1675.9	1677.6
177.5°	1684.5	1683.5	1682.6	1681.6	1681.1	1680.8	1680.6	1680.4	1680.1	1681.5	1682.9
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1939.6	1944.7	1955.4	1951.7	1956.7	1959.2	1961.8
5°	2096.4	2121.5	2132.5	2131.0	2147.5	2143.5	2139.6
7.5°	2273.3	2299.8	2314.6	2333.0	2343.7	2344.5	2353.8
10°	2373.5	2408.1	2422.3	2442.0	2454.6	2461.6	2460.8
12.5°	2450.2	2477.4	2509.1	2518.8	2535.8	2544.8	2541.4
15°	2542.7	2586.0	2619.1	2635.5	2656.9	2663.1	2671.8
17.5°	2625.2	2683.3	2721.9	2773.2	2792.6	2804.4	2797.4
20°	2687.6	2763.9	2802.5	2863.9	2897.7	2915.9	2909.5
22.5°	2761.3	2843.9	2915.2	2968.4	3019.9	3044.3	3049.4
25°	2887.5	3000.8	3105.5	3175.6	3239.3	3254.3	3287.4
27.5°	3028.6	3162.2	3274.2	3347.9	3392.2	3408.9	3419.3
30°	3117.4	3250.4	3334.7	3381.8	3396.1	3394.5	3392.8
32.5°	3160.8	3244.1	3260.3	3247.1	3214.7	3187.2	3158.7
35°	3099.3	3037.1	2944.2	2824.5	2736.3	2647.4	2638.8
37.5°	2787.3	2588.5	2433.9	2261.2	2161.5	2100.0	2057.5
40°	2493.9	2268.0	2080.6	1935.0	1833.4	1793.3	1753.9
42.5°	2175.2	1959.3	1793.4	1671.7	1595.4	1550.8	1519.6
45°	1767.3	1576.8	1446.9	1358.8	1298.1	1263.4	1243.7
47.5°	1448.1	1307.3	1196.9	1133.3	1091.4	1064.5	1064.6
50°	1276.9	1142.3	1069.0	1018.7	982.4	961.2	965.1
52.5°	1125.1	1024.5	962.0	919.8	893.0	879.9	879.5
55°	940.7	868.3	827.4	796.7	778.5	763.6	766.8
57.5°	804.7	743.6	716.2	690.7	678.1	672.2	663.5
60°	720.3	673.1	649.4	628.9	616.4	611.7	603.0
62.5°	645.4	608.2	585.2	568.6	557.1	555.6	548.9
65°	542.4	514.0	493.6	485.7	473.9	470.8	470.8
67.5°	447.2	426.9	410.9	403.6	398.5	399.3	395.5
70°	387.3	370.8	360.5	352.6	348.7	349.5	346.4
72.5°	338.8	320.4	311.4	306.7	301.5	303.6	302.3
75°	256.6	247.2	242.5	237.7	234.6	233.0	231.5
77.5°	188.4	180.2	176.5	173.8	174.3	170.5	173.5
80°	145.6	138.6	136.2	132.3	131.5	131.5	130.7
82.5°	106.5	102.6	100.9	97.7	96.2	97.5	95.4
85°	55.1	51.9	51.2	51.2	49.6	48.1	51.9
87.5°	25.2	23.0	23.2	22.7	22.9	22.5	21.4
90°	25.3	26.8	28.0	28.8	29.7	30.6	31.4
92.5°	56.0	58.0	59.3	59.9	60.6	61.2	61.8
95°	106.9	109.1	110.3	110.9	111.5	112.1	112.7
97.5°	166.3	168.2	169.5	169.8	170.2	170.5	170.9
100°	208.2	210.9	212.5	213.1	213.7	214.3	214.8
102.5°	250.9	253.8	255.6	256.4	257.2	258.0	258.8
105°	318.3	320.0	321.3	322.2	323.2	324.0	324.9
107.5°	391.4	392.3	392.7	392.6	392.5	392.5	392.4
110°	442.7	443.6	443.9	443.6	443.3	443.0	442.7



TEST NUMBER: P333479-840

CATALOG NUMBER: S125DIW-S1270D1340U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	493.7	494.1	494.1	493.6	493.1	492.5	492.0
115°	571.6	571.3	571.0	570.7	570.4	570.2	569.9
117.5°	650.7	651.0	650.5	649.3	648.1	647.0	645.8
120°	703.5	703.5	702.9	701.7	700.5	699.3	698.2
122.5°	755.2	754.9	754.4	753.4	752.5	751.5	750.6
125°	831.4	830.8	830.4	830.1	829.8	829.5	829.2
127.5°	907.7	907.5	907.0	906.5	905.8	905.2	904.6
130°	958.1	957.8	957.3	956.7	956.1	955.5	954.9
132.5°	1006.2	1005.9	1005.4	1004.6	1003.7	1002.9	1002.1
135°	1080.8	1080.8	1080.2	1078.9	1077.8	1076.6	1075.5
137.5°	1153.3	1153.7	1153.1	1151.7	1150.1	1148.7	1147.3
140°	1199.0	1199.6	1199.2	1197.7	1196.3	1194.9	1193.4
142.5°	1243.4	1243.7	1243.2	1241.7	1240.3	1238.8	1237.4
145°	1307.4	1307.4	1306.9	1306.1	1305.1	1304.2	1303.4
147.5°	1367.6	1368.3	1367.7	1365.6	1363.7	1361.7	1359.8
150°	1404.3	1404.3	1404.0	1403.4	1402.8	1402.2	1401.7
152.5°	1439.9	1440.6	1440.5	1439.4	1438.4	1437.2	1436.2
155°	1490.3	1491.5	1491.3	1489.9	1488.4	1486.9	1485.5
157.5°	1533.5	1534.7	1534.3	1532.4	1530.5	1528.5	1526.6
160°	1559.7	1560.8	1560.7	1559.3	1557.8	1556.4	1554.9
162.5°	1584.5	1585.9	1585.8	1584.1	1582.4	1580.7	1579.0
165°	1617.4	1618.5	1618.2	1616.5	1614.8	1613.0	1611.2
167.5°	1642.4	1644.2	1644.2	1642.3	1640.5	1638.7	1636.9
170°	1657.1	1658.8	1658.7	1656.7	1654.7	1652.5	1650.5
172.5°	1667.6	1669.3	1669.3	1667.5	1665.7	1663.9	1662.0
175°	1679.4	1681.1	1680.9	1678.9	1676.9	1674.9	1672.8
177.5°	1684.4	1685.8	1685.7	1683.9	1682.3	1680.7	1679.1
180°	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3	1683.3

(END OF REPORT)