

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: P333484-840

Luminaire Tested: **S125DIW-S1270D1560U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333484-840
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-S1270D1560U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11535.4 lumens
Efficiency: N/A
Efficacy: 139.1 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

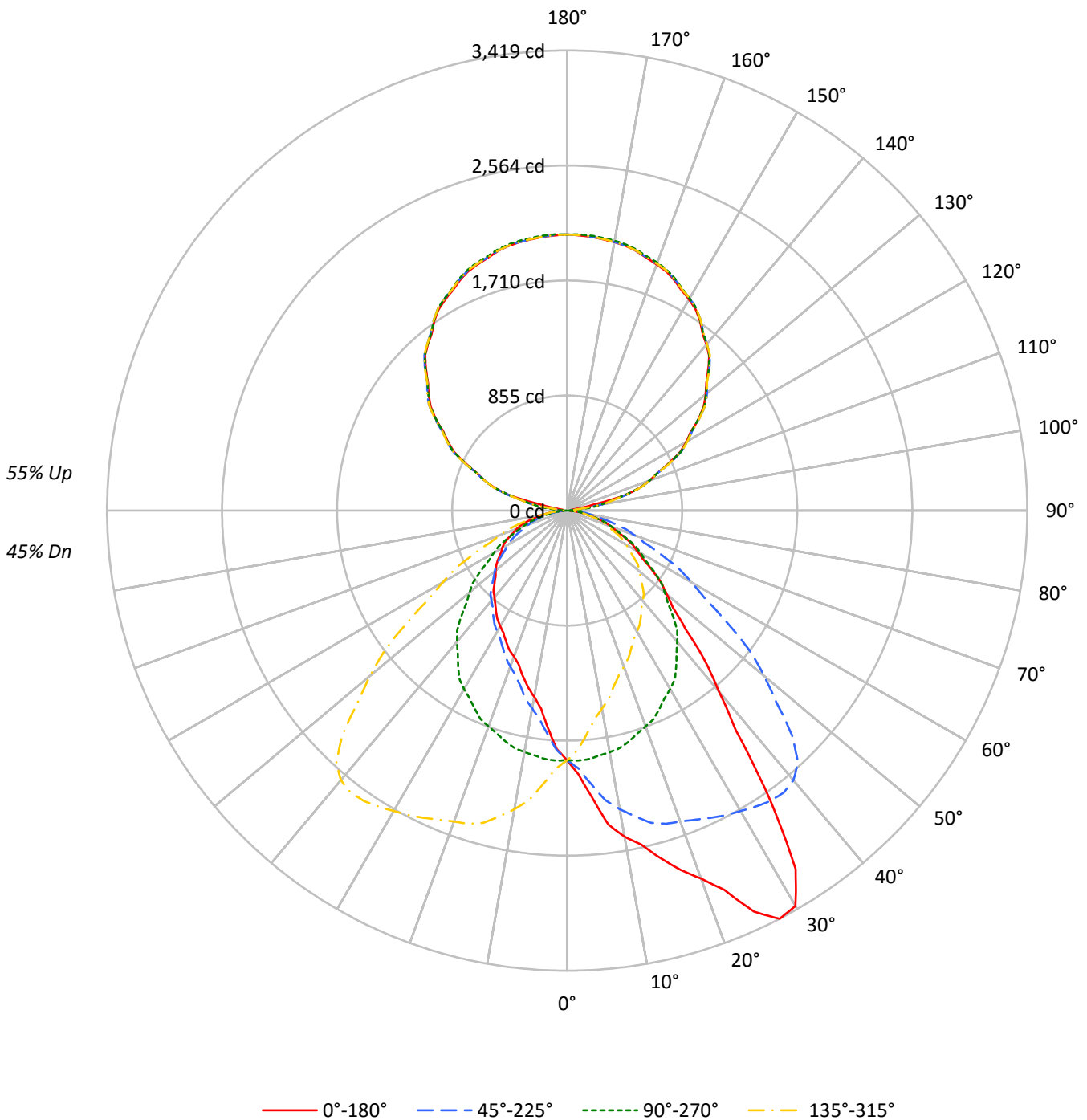
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

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	50	30	10	50	30	10	0		
RCR																										
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45					45			
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39					39			
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38	33					33			
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28					28			
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24					24			
5	68	56	48	43	62	52	45	40	44	39	35	36	32	29	29	27	24	21					21			
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18					18			
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16					16			
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15					15			
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13					13			
10	47	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12					12			

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: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.5
10°-20°	531.6	4.6
20°-30°	863.2	7.5
30°-40°	1053.0	9.1
40°-50°	957.9	8.3
50°-60°	763.0	6.6
60°-70°	531.4	4.6
70°-80°	283.4	2.5
80°-90°	75.8	0.7
90°-100°	74.5	0.6
100°-110°	459.3	4.0
110°-120°	833.0	7.2
120°-130°	1069.1	9.3
130°-140°	1149.9	10.0
140°-150°	1079.3	9.4
150°-160°	873.1	7.6
160°-170°	564.7	4.9
170°-180°	194.8	1.7
0°-30°	1573.4	13.6
0°-40°	2626.3	22.8
0°-60°	4347.2	37.7
0°-90°	5237.8	45.4
90°-120°	1366.8	11.8
90°-150°	4665.0	40.4
90°-180°	6298.0	54.6
0°-180°	11535.4	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°	36	2	36	2	36	18
95°	32	87	32	87	32	26
105°	452	447	452	447	452	408
115°	833	839	833	839	833	827
125°	1193	1193	1193	1193	1193	1062
135°	1482	1488	1482	1488	1482	1144
145°	1721	1726	1721	1726	1721	1075
155°	1886	1900	1886	1900	1886	869
165°	1994	2005	1994	2005	1994	563
175°	2042	2051	2042	2051	2042	194
180°	2051	2051	2051	2051	2051	



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

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°	22.4	23.4	23.9	23.7	24.1	23.8	26.1	25.7	27.3	28.8	30.8
90°	36.5	35.4	34.4	33.4	32.4	31.1	29.4	27.7	26.1	24.3	21.9
92.5°	34.0	33.6	33.1	32.6	32.1	31.1	29.4	27.7	26.1	24.3	22.2
95°	31.9	31.9	31.9	31.9	31.9	31.1	29.4	27.7	26.1	24.3	37.2
97.5°	31.9	31.9	31.9	31.9	31.9	36.7	46.3	55.7	65.2	74.8	100.2
100°	31.9	33.3	34.6	36.0	37.4	63.2	113.5	163.8	214.2	264.5	263.2
102.5°	191.3	214.2	237.2	260.1	283.2	299.4	308.9	318.4	328.0	337.5	336.7
105°	451.5	451.8	452.2	452.5	452.8	453.0	453.0	453.0	453.0	453.0	453.0
107.5°	569.2	570.2	571.2	572.2	573.2	573.7	573.6	573.6	573.5	573.4	572.8
110°	650.7	650.4	649.9	649.6	649.3	649.6	650.7	651.7	652.7	653.7	653.0



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	723.6	724.1	724.6	725.1	725.5	726.4	727.7	728.9	730.2	731.5	731.1
115°	833.0	835.1	837.1	839.2	841.2	842.8	844.2	845.6	846.9	848.3	848.0
117.5°	949.8	950.7	951.6	952.5	953.3	954.6	956.4	958.2	959.9	961.7	960.4
120°	1021.6	1023.3	1024.9	1026.6	1028.3	1029.6	1030.2	1030.9	1031.6	1032.2	1031.2
122.5°	1089.6	1091.7	1093.6	1095.6	1097.5	1098.8	1099.5	1100.1	1100.9	1101.6	1101.1
125°	1193.4	1194.4	1195.4	1196.4	1197.4	1198.6	1199.9	1201.3	1202.6	1204.0	1204.0
127.5°	1280.6	1283.1	1285.7	1288.1	1290.6	1292.2	1293.0	1293.7	1294.4	1295.3	1295.5
130°	1343.8	1345.5	1347.3	1349.0	1350.6	1352.0	1353.0	1354.0	1355.0	1356.0	1355.6
132.5°	1402.2	1403.9	1405.6	1407.3	1409.0	1410.0	1410.2	1410.4	1410.6	1410.8	1411.5
135°	1482.2	1484.2	1486.2	1488.2	1490.3	1491.7	1492.4	1493.0	1493.7	1494.4	1495.0
137.5°	1562.5	1564.2	1566.0	1567.7	1569.5	1570.3	1570.1	1570.0	1569.9	1569.7	1570.3
140°	1609.9	1611.9	1614.0	1616.0	1618.0	1618.7	1618.0	1617.3	1616.7	1616.0	1616.3
142.5°	1654.9	1656.9	1658.9	1660.9	1663.0	1664.0	1663.9	1663.7	1663.6	1663.4	1662.9
145°	1720.9	1722.9	1725.0	1727.0	1729.0	1729.8	1729.5	1729.2	1728.8	1728.5	1728.5
147.5°	1775.3	1777.8	1780.2	1782.6	1785.0	1786.0	1785.6	1785.2	1784.8	1784.4	1784.0
150°	1810.6	1813.3	1815.9	1818.7	1821.4	1822.4	1821.7	1821.0	1820.4	1819.7	1819.0
152.5°	1843.4	1845.8	1848.3	1850.7	1853.1	1854.0	1853.3	1852.7	1852.0	1851.3	1850.7
155°	1886.5	1889.3	1892.0	1894.7	1897.3	1898.2	1897.2	1896.2	1895.2	1894.2	1893.5
157.5°	1922.8	1925.4	1928.1	1930.9	1933.6	1934.4	1933.3	1932.2	1931.2	1930.1	1930.0
160°	1945.9	1948.5	1951.3	1954.0	1956.7	1957.3	1956.0	1954.6	1953.3	1952.0	1951.6
162.5°	1966.5	1969.5	1972.5	1975.5	1978.4	1978.9	1977.1	1975.2	1973.3	1971.4	1971.1
165°	1994.5	1997.2	1999.9	2002.7	2005.3	2005.7	2003.7	2001.6	1999.5	1997.5	1997.2
167.5°	2014.0	2017.0	2020.0	2023.1	2026.1	2026.4	2024.0	2021.5	2019.1	2016.7	2016.4
170°	2024.9	2027.9	2031.0	2034.1	2037.1	2037.2	2034.6	2031.8	2029.1	2026.4	2026.1
172.5°	2032.3	2035.3	2038.3	2041.3	2044.4	2044.7	2042.3	2039.8	2037.4	2035.0	2034.4
175°	2041.6	2044.7	2047.7	2050.7	2053.8	2054.0	2051.2	2048.5	2045.9	2043.2	2042.9
177.5°	2047.1	2049.2	2051.4	2053.6	2055.8	2055.9	2054.0	2052.1	2050.2	2048.3	2048.0
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

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°	31.6	29.9	26.9	24.5	20.8	18.4	17.3	17.3	16.0	15.9	17.1
90°	19.6	17.3	14.8	12.3	9.6	7.0	4.2	1.5	4.2	7.0	9.6
92.5°	20.1	18.1	16.0	15.9	17.8	19.6	21.5	23.4	21.5	19.6	17.8
95°	50.0	62.8	75.6	82.6	83.6	84.6	85.6	86.6	85.6	84.6	83.6
97.5°	125.6	151.0	176.4	188.2	186.4	184.5	182.7	180.9	182.7	184.5	186.4
100°	261.9	260.4	259.1	257.9	256.9	255.9	254.9	253.9	254.9	255.9	256.9
102.5°	335.9	335.1	334.3	333.2	331.9	330.6	329.3	328.1	329.3	330.6	331.9
105°	453.0	453.0	453.0	452.3	451.0	449.7	448.3	447.0	448.3	449.7	451.0
107.5°	572.1	571.4	570.7	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4
110°	652.4	651.7	651.0	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	730.7	730.3	729.9	729.3	728.5	727.7	726.9	726.1	726.9	727.7	728.5
115°	847.6	847.3	846.9	845.9	844.2	842.5	840.8	839.2	840.8	842.5	844.2
117.5°	959.1	957.9	956.5	955.9	956.0	956.0	956.1	956.2	956.1	956.0	956.0
120°	1030.2	1029.2	1028.1	1027.8	1028.1	1028.5	1028.9	1029.2	1028.9	1028.5	1028.1
122.5°	1100.6	1100.1	1099.6	1098.7	1097.5	1096.2	1094.9	1093.7	1094.9	1096.2	1097.5
125°	1204.0	1204.0	1204.0	1202.9	1200.4	1198.1	1195.7	1193.4	1195.7	1198.1	1200.4
127.5°	1295.7	1295.9	1296.1	1295.3	1293.6	1291.9	1290.2	1288.5	1290.2	1291.9	1293.6
130°	1355.3	1355.0	1354.6	1353.6	1352.0	1350.3	1348.6	1346.9	1348.6	1350.3	1352.0
132.5°	1412.2	1413.0	1413.7	1413.1	1411.2	1409.2	1407.2	1405.2	1407.2	1409.2	1411.2
135°	1495.7	1496.4	1497.0	1496.4	1494.4	1492.4	1490.3	1488.2	1490.3	1492.4	1494.4
137.5°	1570.9	1571.6	1572.2	1571.7	1569.8	1568.1	1566.3	1564.6	1566.3	1568.1	1569.8
140°	1616.7	1617.0	1617.3	1617.2	1616.5	1615.8	1615.2	1614.5	1615.2	1615.8	1616.5
142.5°	1662.4	1662.0	1661.5	1661.0	1660.6	1660.2	1659.8	1659.4	1659.8	1660.2	1660.6
145°	1728.5	1728.5	1728.5	1728.2	1727.5	1726.8	1726.1	1725.5	1726.1	1726.8	1727.5
147.5°	1783.6	1783.2	1782.8	1782.6	1782.8	1782.9	1783.0	1783.2	1783.0	1782.9	1782.8
150°	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1819.0	1818.4	1817.7
152.5°	1850.0	1849.3	1848.6	1849.0	1850.5	1852.0	1853.5	1854.9	1853.5	1852.0	1850.5
155°	1892.8	1892.2	1891.5	1892.2	1894.2	1896.2	1898.2	1900.3	1898.2	1896.2	1894.2
157.5°	1930.0	1929.9	1929.8	1930.4	1931.6	1932.8	1934.0	1935.2	1934.0	1932.8	1931.6
160°	1951.3	1951.0	1950.6	1951.5	1953.5	1955.5	1957.5	1959.5	1957.5	1955.5	1953.5
162.5°	1970.8	1970.3	1970.0	1970.9	1972.9	1975.0	1977.0	1979.0	1977.0	1975.0	1972.9
165°	1996.9	1996.5	1996.2	1997.0	1999.0	2001.0	2003.2	2005.2	2003.2	2001.0	1999.0
167.5°	2016.0	2015.7	2015.4	2016.2	2018.3	2020.4	2022.6	2024.6	2022.6	2020.4	2018.3
170°	2025.8	2025.4	2025.1	2026.1	2028.4	2030.8	2033.2	2035.6	2033.2	2030.8	2028.4
172.5°	2033.8	2033.2	2032.6	2033.4	2035.8	2038.1	2040.5	2042.9	2040.5	2038.1	2035.8
175°	2042.5	2042.1	2041.8	2042.7	2044.7	2046.7	2048.7	2050.7	2048.7	2046.7	2044.7
177.5°	2047.8	2047.5	2047.2	2047.9	2049.5	2051.1	2052.8	2054.4	2052.8	2051.1	2049.5
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

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°	18.2	20.0	19.8	20.9	21.4	23.1	22.8	25.7	27.3	28.9	28.5
90°	12.3	14.8	17.3	19.6	21.9	24.3	26.1	27.7	29.4	31.1	32.4
92.5°	15.9	16.0	18.1	20.1	22.2	24.3	26.1	27.7	29.4	31.1	32.1
95°	82.6	75.6	62.8	50.0	37.2	24.3	26.1	27.7	29.4	31.1	31.9
97.5°	188.2	176.4	151.0	125.6	100.2	74.8	65.2	55.7	46.3	36.7	31.9
100°	257.9	259.1	260.4	261.9	263.2	264.5	214.2	163.8	113.5	63.2	37.4
102.5°	333.2	334.3	335.1	335.9	336.7	337.5	328.0	318.4	308.9	299.4	283.2
105°	452.3	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	453.0	452.8
107.5°	570.4	570.7	571.4	572.1	572.8	573.4	573.5	573.6	573.6	573.7	573.2
110°	650.7	651.0	651.7	652.4	653.0	653.7	652.7	651.7	650.7	649.6	649.3



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	729.3	729.9	730.3	730.7	731.1	731.5	730.2	728.9	727.7	726.4	725.5
115°	845.9	846.9	847.3	847.6	848.0	848.3	846.9	845.6	844.2	842.8	841.2
117.5°	955.9	956.5	957.9	959.1	960.4	961.7	959.9	958.2	956.4	954.6	953.3
120°	1027.8	1028.1	1029.2	1030.2	1031.2	1032.2	1031.6	1030.9	1030.2	1029.6	1028.3
122.5°	1098.7	1099.6	1100.1	1100.6	1101.1	1101.6	1100.9	1100.1	1099.5	1098.8	1097.5
125°	1202.9	1204.0	1204.0	1204.0	1204.0	1204.0	1202.6	1201.3	1199.9	1198.6	1197.4
127.5°	1295.3	1296.1	1295.9	1295.7	1295.5	1295.3	1294.4	1293.7	1293.0	1292.2	1290.6
130°	1353.6	1354.6	1355.0	1355.3	1355.6	1356.0	1355.0	1354.0	1353.0	1352.0	1350.6
132.5°	1413.1	1413.7	1413.0	1412.2	1411.5	1410.8	1410.6	1410.4	1410.2	1410.0	1409.0
135°	1496.4	1497.0	1496.4	1495.7	1495.0	1494.4	1493.7	1493.0	1492.4	1491.7	1490.3
137.5°	1571.7	1572.2	1571.6	1570.9	1570.3	1569.7	1569.9	1570.0	1570.1	1570.3	1569.5
140°	1617.2	1617.3	1617.0	1616.7	1616.3	1616.0	1616.7	1617.3	1618.0	1618.7	1618.0
142.5°	1661.0	1661.5	1662.0	1662.4	1662.9	1663.4	1663.6	1663.7	1663.9	1664.0	1663.0
145°	1728.2	1728.5	1728.5	1728.5	1728.5	1728.5	1728.8	1729.2	1729.5	1729.8	1729.0
147.5°	1782.6	1782.8	1783.2	1783.6	1784.0	1784.4	1784.8	1785.2	1785.6	1786.0	1785.0
150°	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1820.4	1821.0	1821.7	1822.4	1821.4
152.5°	1849.0	1848.6	1849.3	1850.0	1850.7	1851.3	1852.0	1852.7	1853.3	1854.0	1853.1
155°	1892.2	1891.5	1892.2	1892.8	1893.5	1894.2	1895.2	1896.2	1897.2	1898.2	1897.3
157.5°	1930.4	1929.8	1929.9	1930.0	1930.0	1930.1	1931.2	1932.2	1933.3	1934.4	1933.6
160°	1951.5	1950.6	1951.0	1951.3	1951.6	1952.0	1953.3	1954.6	1956.0	1957.3	1956.7
162.5°	1970.9	1970.0	1970.3	1970.8	1971.1	1971.4	1973.3	1975.2	1977.1	1978.9	1978.4
165°	1997.0	1996.2	1996.5	1996.9	1997.2	1997.5	1999.5	2001.6	2003.7	2005.7	2005.3
167.5°	2016.2	2015.4	2015.7	2016.0	2016.4	2016.7	2019.1	2021.5	2024.0	2026.4	2026.1
170°	2026.1	2025.1	2025.4	2025.8	2026.1	2026.4	2029.1	2031.8	2034.6	2037.2	2037.1
172.5°	2033.4	2032.6	2033.2	2033.8	2034.4	2035.0	2037.4	2039.8	2042.3	2044.7	2044.4
175°	2042.7	2041.8	2042.1	2042.5	2042.9	2043.2	2045.9	2048.5	2051.2	2054.0	2053.8
177.5°	2047.9	2047.2	2047.5	2047.8	2048.0	2048.3	2050.2	2052.1	2054.0	2055.9	2055.8
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

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°	30.0	29.6	29.8	31.2	29.8	29.6	30.0	28.5	28.9	27.3	25.7
90°	33.4	34.4	35.4	36.5	35.4	34.4	33.4	32.4	31.1	29.4	27.7
92.5°	32.6	33.1	33.6	34.0	33.6	33.1	32.6	32.1	31.1	29.4	27.7
95°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.1	29.4	27.7
97.5°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	36.7	46.3	55.7
100°	36.0	34.6	33.3	31.9	33.3	34.6	36.0	37.4	63.2	113.5	163.8
102.5°	260.1	237.2	214.2	191.3	214.2	237.2	260.1	283.2	299.4	308.9	318.4
105°	452.5	452.2	451.8	451.5	451.8	452.2	452.5	452.8	453.0	453.0	453.0
107.5°	572.2	571.2	570.2	569.2	570.2	571.2	572.2	573.2	573.7	573.6	573.6
110°	649.6	649.9	650.4	650.7	650.4	649.9	649.6	649.3	649.6	650.7	651.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	725.1	724.6	724.1	723.6	724.1	724.6	725.1	725.5	726.4	727.7	728.9
115°	839.2	837.1	835.1	833.0	835.1	837.1	839.2	841.2	842.8	844.2	845.6
117.5°	952.5	951.6	950.7	949.8	950.7	951.6	952.5	953.3	954.6	956.4	958.2
120°	1026.6	1024.9	1023.3	1021.6	1023.3	1024.9	1026.6	1028.3	1029.6	1030.2	1030.9
122.5°	1095.6	1093.6	1091.7	1089.6	1091.7	1093.6	1095.6	1097.5	1098.8	1099.5	1100.1
125°	1196.4	1195.4	1194.4	1193.4	1194.4	1195.4	1196.4	1197.4	1198.6	1199.9	1201.3
127.5°	1288.1	1285.7	1283.1	1280.6	1283.1	1285.7	1288.1	1290.6	1292.2	1293.0	1293.7
130°	1349.0	1347.3	1345.5	1343.8	1345.5	1347.3	1349.0	1350.6	1352.0	1353.0	1354.0
132.5°	1407.3	1405.6	1403.9	1402.2	1403.9	1405.6	1407.3	1409.0	1410.0	1410.2	1410.4
135°	1488.2	1486.2	1484.2	1482.2	1484.2	1486.2	1488.2	1490.3	1491.7	1492.4	1493.0
137.5°	1567.7	1566.0	1564.2	1562.5	1564.2	1566.0	1567.7	1569.5	1570.3	1570.1	1570.0
140°	1616.0	1614.0	1611.9	1609.9	1611.9	1614.0	1616.0	1618.0	1618.7	1618.0	1617.3
142.5°	1660.9	1658.9	1656.9	1654.9	1656.9	1658.9	1660.9	1663.0	1664.0	1663.9	1663.7
145°	1727.0	1725.0	1722.9	1720.9	1722.9	1725.0	1727.0	1729.0	1729.8	1729.5	1729.2
147.5°	1782.6	1780.2	1777.8	1775.3	1777.8	1780.2	1782.6	1785.0	1786.0	1785.6	1785.2
150°	1818.7	1815.9	1813.3	1810.6	1813.3	1815.9	1818.7	1821.4	1822.4	1821.7	1821.0
152.5°	1850.7	1848.3	1845.8	1843.4	1845.8	1848.3	1850.7	1853.1	1854.0	1853.3	1852.7
155°	1894.7	1892.0	1889.3	1886.5	1889.3	1892.0	1894.7	1897.3	1898.2	1897.2	1896.2
157.5°	1930.9	1928.1	1925.4	1922.8	1925.4	1928.1	1930.9	1933.6	1934.4	1933.3	1932.2
160°	1954.0	1951.3	1948.5	1945.9	1948.5	1951.3	1954.0	1956.7	1957.3	1956.0	1954.6
162.5°	1975.5	1972.5	1969.5	1966.5	1969.5	1972.5	1975.5	1978.4	1978.9	1977.1	1975.2
165°	2002.7	1999.9	1997.2	1994.5	1997.2	1999.9	2002.7	2005.3	2005.7	2003.7	2001.6
167.5°	2023.1	2020.0	2017.0	2014.0	2017.0	2020.0	2023.1	2026.1	2026.4	2024.0	2021.5
170°	2034.1	2031.0	2027.9	2024.9	2027.9	2031.0	2034.1	2037.1	2037.2	2034.6	2031.8
172.5°	2041.3	2038.3	2035.3	2032.3	2035.3	2038.3	2041.3	2044.4	2044.7	2042.3	2039.8
175°	2050.7	2047.7	2044.7	2041.6	2044.7	2047.7	2050.7	2053.8	2054.0	2051.2	2048.5
177.5°	2053.6	2051.4	2049.2	2047.1	2049.2	2051.4	2053.6	2055.8	2055.9	2054.0	2052.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

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°	22.8	23.1	21.4	20.9	19.8	20.0	18.2	17.1	15.9	16.0	17.3
90°	26.1	24.3	21.9	19.6	17.3	14.8	12.3	9.6	7.0	4.2	1.5
92.5°	26.1	24.3	22.2	20.1	18.1	16.0	15.9	17.8	19.6	21.5	23.4
95°	26.1	24.3	37.2	50.0	62.8	75.6	82.6	83.6	84.6	85.6	86.6
97.5°	65.2	74.8	100.2	125.6	151.0	176.4	188.2	186.4	184.5	182.7	180.9
100°	214.2	264.5	263.2	261.9	260.4	259.1	257.9	256.9	255.9	254.9	253.9
102.5°	328.0	337.5	336.7	335.9	335.1	334.3	333.2	331.9	330.6	329.3	328.1
105°	453.0	453.0	453.0	453.0	453.0	453.0	452.3	451.0	449.7	448.3	447.0
107.5°	573.5	573.4	572.8	572.1	571.4	570.7	570.4	570.4	570.4	570.4	570.4
110°	652.7	653.7	653.0	652.4	651.7	651.0	650.7	650.7	650.7	650.7	650.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	730.2	731.5	731.1	730.7	730.3	729.9	729.3	728.5	727.7	726.9	726.1
115°	846.9	848.3	848.0	847.6	847.3	846.9	845.9	844.2	842.5	840.8	839.2
117.5°	959.9	961.7	960.4	959.1	957.9	956.5	955.9	956.0	956.0	956.1	956.2
120°	1031.6	1032.2	1031.2	1030.2	1029.2	1028.1	1027.8	1028.1	1028.5	1028.9	1029.2
122.5°	1100.9	1101.6	1101.1	1100.6	1100.1	1099.6	1098.7	1097.5	1096.2	1094.9	1093.7
125°	1202.6	1204.0	1204.0	1204.0	1204.0	1204.0	1202.9	1200.4	1198.1	1195.7	1193.4
127.5°	1294.4	1295.3	1295.5	1295.7	1295.9	1296.1	1295.3	1293.6	1291.9	1290.2	1288.5
130°	1355.0	1356.0	1355.6	1355.3	1355.0	1354.6	1353.6	1352.0	1350.3	1348.6	1346.9
132.5°	1410.6	1410.8	1411.5	1412.2	1413.0	1413.7	1413.1	1411.2	1409.2	1407.2	1405.2
135°	1493.7	1494.4	1495.0	1495.7	1496.4	1497.0	1496.4	1494.4	1492.4	1490.3	1488.2
137.5°	1569.9	1569.7	1570.3	1570.9	1571.6	1572.2	1571.7	1569.8	1568.1	1566.3	1564.6
140°	1616.7	1616.0	1616.3	1616.7	1617.0	1617.3	1617.2	1616.5	1615.8	1615.2	1614.5
142.5°	1663.6	1663.4	1662.9	1662.4	1662.0	1661.5	1661.0	1660.6	1660.2	1659.8	1659.4
145°	1728.8	1728.5	1728.5	1728.5	1728.5	1728.5	1728.2	1727.5	1726.8	1726.1	1725.5
147.5°	1784.8	1784.4	1784.0	1783.6	1783.2	1782.8	1782.6	1782.8	1782.9	1783.0	1783.2
150°	1820.4	1819.7	1819.0	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7
152.5°	1852.0	1851.3	1850.7	1850.0	1849.3	1848.6	1849.0	1850.5	1852.0	1853.5	1854.9
155°	1895.2	1894.2	1893.5	1892.8	1892.2	1891.5	1892.2	1894.2	1896.2	1898.2	1900.3
157.5°	1931.2	1930.1	1930.0	1930.0	1929.9	1929.8	1930.4	1931.6	1932.8	1934.0	1935.2
160°	1953.3	1952.0	1951.6	1951.3	1951.0	1950.6	1951.5	1953.5	1955.5	1957.5	1959.5
162.5°	1973.3	1971.4	1971.1	1970.8	1970.3	1970.0	1970.9	1972.9	1975.0	1977.0	1979.0
165°	1999.5	1997.5	1997.2	1996.9	1996.5	1996.2	1997.0	1999.0	2001.0	2003.2	2005.2
167.5°	2019.1	2016.7	2016.4	2016.0	2015.7	2015.4	2016.2	2018.3	2020.4	2022.6	2024.6
170°	2029.1	2026.4	2026.1	2025.8	2025.4	2025.1	2026.1	2028.4	2030.8	2033.2	2035.6
172.5°	2037.4	2035.0	2034.4	2033.8	2033.2	2032.6	2033.4	2035.8	2038.1	2040.5	2042.9
175°	2045.9	2043.2	2042.9	2042.5	2042.1	2041.8	2042.7	2044.7	2046.7	2048.7	2050.7
177.5°	2050.2	2048.3	2048.0	2047.8	2047.5	2047.2	2047.9	2049.5	2051.1	2052.8	2054.4
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

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°	17.3	18.4	20.8	24.5	26.9	29.9	31.6	30.8	28.8	27.3	25.7
90°	4.2	7.0	9.6	12.3	14.8	17.3	19.6	21.9	24.3	26.1	27.7
92.5°	21.5	19.6	17.8	15.9	16.0	18.1	20.1	22.2	24.3	26.1	27.7
95°	85.6	84.6	83.6	82.6	75.6	62.8	50.0	37.2	24.3	26.1	27.7
97.5°	182.7	184.5	186.4	188.2	176.4	151.0	125.6	100.2	74.8	65.2	55.7
100°	254.9	255.9	256.9	257.9	259.1	260.4	261.9	263.2	264.5	214.2	163.8
102.5°	329.3	330.6	331.9	333.2	334.3	335.1	335.9	336.7	337.5	328.0	318.4
105°	448.3	449.7	451.0	452.3	453.0	453.0	453.0	453.0	453.0	453.0	453.0
107.5°	570.4	570.4	570.4	570.4	570.7	571.4	572.1	572.8	573.4	573.5	573.6
110°	650.7	650.7	650.7	650.7	651.0	651.7	652.4	653.0	653.7	652.7	651.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	726.9	727.7	728.5	729.3	729.9	730.3	730.7	731.1	731.5	730.2	728.9
115°	840.8	842.5	844.2	845.9	846.9	847.3	847.6	848.0	848.3	846.9	845.6
117.5°	956.1	956.0	956.0	955.9	956.5	957.9	959.1	960.4	961.7	959.9	958.2
120°	1028.9	1028.5	1028.1	1027.8	1028.1	1029.2	1030.2	1031.2	1032.2	1031.6	1030.9
122.5°	1094.9	1096.2	1097.5	1098.7	1099.6	1100.1	1100.6	1101.1	1101.6	1100.9	1100.1
125°	1195.7	1198.1	1200.4	1202.9	1204.0	1204.0	1204.0	1204.0	1204.0	1202.6	1201.3
127.5°	1290.2	1291.9	1293.6	1295.3	1296.1	1295.9	1295.7	1295.5	1295.3	1294.4	1293.7
130°	1348.6	1350.3	1352.0	1353.6	1354.6	1355.0	1355.3	1355.6	1356.0	1355.0	1354.0
132.5°	1407.2	1409.2	1411.2	1413.1	1413.7	1413.0	1412.2	1411.5	1410.8	1410.6	1410.4
135°	1490.3	1492.4	1494.4	1496.4	1497.0	1496.4	1495.7	1495.0	1494.4	1493.7	1493.0
137.5°	1566.3	1568.1	1569.8	1571.7	1572.2	1571.6	1570.9	1570.3	1569.7	1569.9	1570.0
140°	1615.2	1615.8	1616.5	1617.2	1617.3	1617.0	1616.7	1616.3	1616.0	1616.7	1617.3
142.5°	1659.8	1660.2	1660.6	1661.0	1661.5	1662.0	1662.4	1662.9	1663.4	1663.6	1663.7
145°	1726.1	1726.8	1727.5	1728.2	1728.5	1728.5	1728.5	1728.5	1728.5	1728.8	1729.2
147.5°	1783.0	1782.9	1782.8	1782.6	1782.8	1783.2	1783.6	1784.0	1784.4	1784.8	1785.2
150°	1819.0	1818.4	1817.7	1816.9	1816.9	1817.7	1818.4	1819.0	1819.7	1820.4	1821.0
152.5°	1853.5	1852.0	1850.5	1849.0	1848.6	1849.3	1850.0	1850.7	1851.3	1852.0	1852.7
155°	1898.2	1896.2	1894.2	1892.2	1891.5	1892.2	1892.8	1893.5	1894.2	1895.2	1896.2
157.5°	1934.0	1932.8	1931.6	1930.4	1929.8	1929.9	1930.0	1930.0	1930.1	1931.2	1932.2
160°	1957.5	1955.5	1953.5	1951.5	1950.6	1951.0	1951.3	1951.6	1952.0	1953.3	1954.6
162.5°	1977.0	1975.0	1972.9	1970.9	1970.0	1970.3	1970.8	1971.1	1971.4	1973.3	1975.2
165°	2003.2	2001.0	1999.0	1997.0	1996.2	1996.5	1996.9	1997.2	1997.5	1999.5	2001.6
167.5°	2022.6	2020.4	2018.3	2016.2	2015.4	2015.7	2016.0	2016.4	2016.7	2019.1	2021.5
170°	2033.2	2030.8	2028.4	2026.1	2025.1	2025.4	2025.8	2026.1	2026.4	2029.1	2031.8
172.5°	2040.5	2038.1	2035.8	2033.4	2032.6	2033.2	2033.8	2034.4	2035.0	2037.4	2039.8
175°	2048.7	2046.7	2044.7	2042.7	2041.8	2042.1	2042.5	2042.9	2043.2	2045.9	2048.5
177.5°	2052.8	2051.1	2049.5	2047.9	2047.2	2047.5	2047.8	2048.0	2048.3	2050.2	2052.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

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°	26.1	23.8	24.1	23.7	23.9	23.4	22.4
90°	29.4	31.1	32.4	33.4	34.4	35.4	36.5
92.5°	29.4	31.1	32.1	32.6	33.1	33.6	34.0
95°	29.4	31.1	31.9	31.9	31.9	31.9	31.9
97.5°	46.3	36.7	31.9	31.9	31.9	31.9	31.9
100°	113.5	63.2	37.4	36.0	34.6	33.3	31.9
102.5°	308.9	299.4	283.2	260.1	237.2	214.2	191.3
105°	453.0	453.0	452.8	452.5	452.2	451.8	451.5
107.5°	573.6	573.7	573.2	572.2	571.2	570.2	569.2
110°	650.7	649.6	649.3	649.6	649.9	650.4	650.7



TEST NUMBER: P333484-840

CATALOG NUMBER: S125DIW-S1270D1560U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	727.7	726.4	725.5	725.1	724.6	724.1	723.6
115°	844.2	842.8	841.2	839.2	837.1	835.1	833.0
117.5°	956.4	954.6	953.3	952.5	951.6	950.7	949.8
120°	1030.2	1029.6	1028.3	1026.6	1024.9	1023.3	1021.6
122.5°	1099.5	1098.8	1097.5	1095.6	1093.6	1091.7	1089.6
125°	1199.9	1198.6	1197.4	1196.4	1195.4	1194.4	1193.4
127.5°	1293.0	1292.2	1290.6	1288.1	1285.7	1283.1	1280.6
130°	1353.0	1352.0	1350.6	1349.0	1347.3	1345.5	1343.8
132.5°	1410.2	1410.0	1409.0	1407.3	1405.6	1403.9	1402.2
135°	1492.4	1491.7	1490.3	1488.2	1486.2	1484.2	1482.2
137.5°	1570.1	1570.3	1569.5	1567.7	1566.0	1564.2	1562.5
140°	1618.0	1618.7	1618.0	1616.0	1614.0	1611.9	1609.9
142.5°	1663.9	1664.0	1663.0	1660.9	1658.9	1656.9	1654.9
145°	1729.5	1729.8	1729.0	1727.0	1725.0	1722.9	1720.9
147.5°	1785.6	1786.0	1785.0	1782.6	1780.2	1777.8	1775.3
150°	1821.7	1822.4	1821.4	1818.7	1815.9	1813.3	1810.6
152.5°	1853.3	1854.0	1853.1	1850.7	1848.3	1845.8	1843.4
155°	1897.2	1898.2	1897.3	1894.7	1892.0	1889.3	1886.5
157.5°	1933.3	1934.4	1933.6	1930.9	1928.1	1925.4	1922.8
160°	1956.0	1957.3	1956.7	1954.0	1951.3	1948.5	1945.9
162.5°	1977.1	1978.9	1978.4	1975.5	1972.5	1969.5	1966.5
165°	2003.7	2005.7	2005.3	2002.7	1999.9	1997.2	1994.5
167.5°	2024.0	2026.4	2026.1	2023.1	2020.0	2017.0	2014.0
170°	2034.6	2037.2	2037.1	2034.1	2031.0	2027.9	2024.9
172.5°	2042.3	2044.7	2044.4	2041.3	2038.3	2035.3	2032.3
175°	2051.2	2054.0	2053.8	2050.7	2047.7	2044.7	2041.6
177.5°	2054.0	2055.9	2055.8	2053.6	2051.4	2049.2	2047.1
180°	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7	2050.7

(END OF REPORT)