

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

Luminaire Tested: **S125DIW-S1270D1560U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333484
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-S1270D1560U835-4F0-1E-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: 11422.7 lumens
Efficiency: N/A
Efficacy: 137.8 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

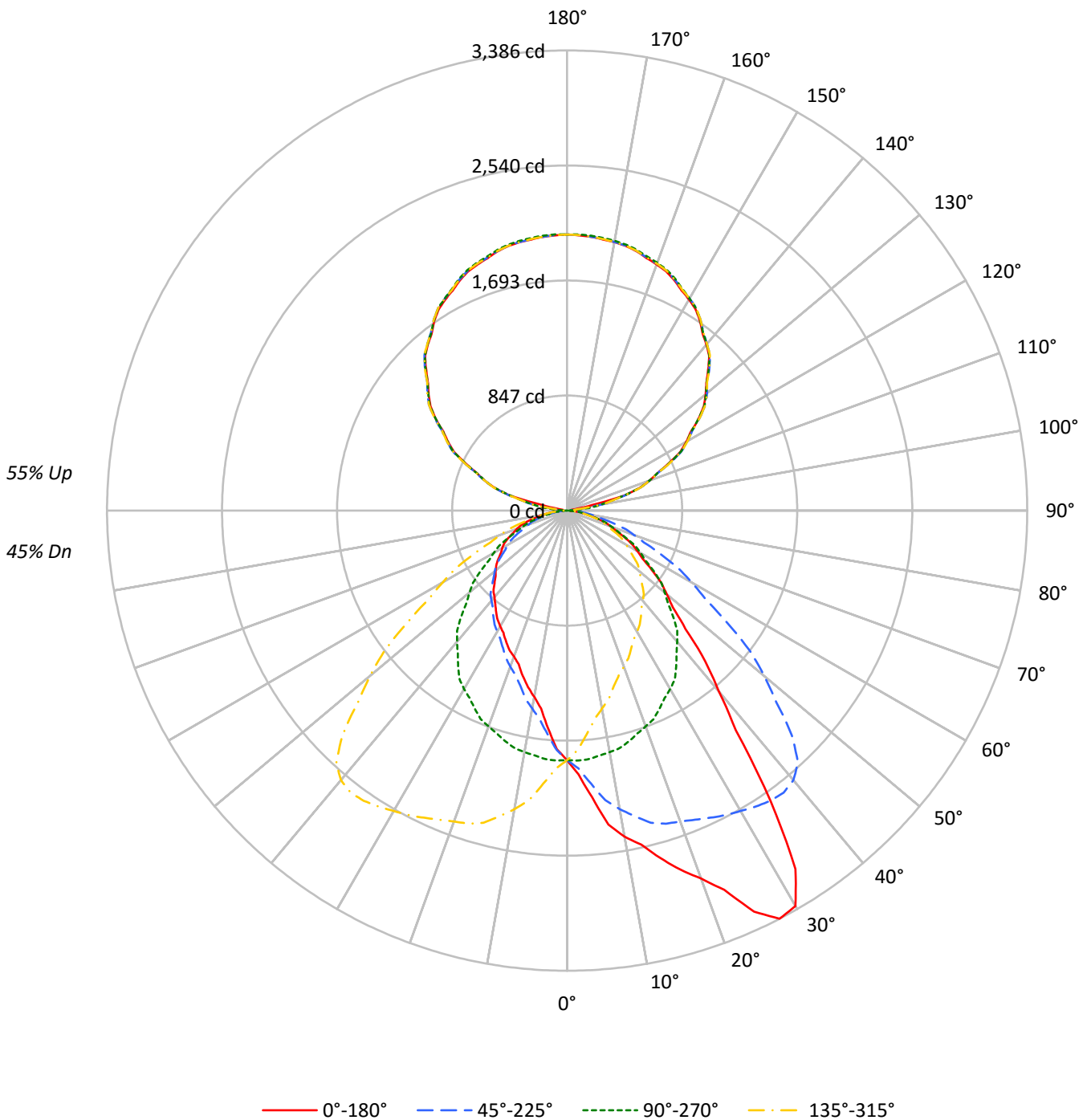
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

Luminous Intensity Polar Plot





TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

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°	11861	11861	11861	11861
5°	13736	11902	10421	11902
10°	15980	11840	9130	11840
15°	17690	11753	8423	11753
20°	19801	11615	7854	11615
25°	23197	11460	7577	11460
30°	25055	11307	7337	11307
35°	20601	11020	7179	11020
40°	14643	10620	7006	10620
45°	11249	10082	6906	10082
50°	9602	9414	6893	9414
55°	8550	8760	6952	8760
60°	7713	8045	7129	8045
65°	7124	7326	7314	7326
70°	6477	6579	7419	6579
75°	5719	5797	7354	5797
80°	4813	4727	6724	4727
85°	3809	3409	5432	3409



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	1.5
10°-20°	526.4	4.6
20°-30°	854.8	7.5
30°-40°	1042.7	9.1
40°-50°	948.5	8.3
50°-60°	755.5	6.6
60°-70°	526.2	4.6
70°-80°	280.6	2.5
80°-90°	75.1	0.7
90°-100°	73.8	0.6
100°-110°	454.8	4.0
110°-120°	824.9	7.2
120°-130°	1058.6	9.3
130°-140°	1138.6	10.0
140°-150°	1068.8	9.4
150°-160°	864.5	7.6
160°-170°	559.1	4.9
170°-180°	192.9	1.7
0°-30°	1558.0	13.6
0°-40°	2600.7	22.8
0°-60°	4304.7	37.7
0°-90°	5186.6	45.4
90°-120°	1353.5	11.8
90°-150°	4619.5	40.4
90°-180°	6236.0	54.6
0°-180°	11422.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1837	1837	1837	1837	1837	
5°	2119	1836	1607	1836	2119	214
15°	2646	1758	1260	1758	2646	757
25°	3255	1608	1063	1608	3255	1487
35°	2613	1398	910	1398	2613	1599
45°	1232	1104	756	1104	1232	986
55°	759	778	617	778	759	684
65°	466	479	479	479	466	463
75°	229	232	295	232	229	247
85°	51	46	73	46	51	60
90°	36	2	36	2	36	18
95°	32	86	32	86	32	26
105°	447	443	447	443	447	404
115°	825	831	825	831	825	819
125°	1182	1182	1182	1182	1182	1051
135°	1468	1474	1468	1474	1468	1133
145°	1704	1709	1704	1709	1704	1064
155°	1868	1882	1868	1882	1868	861
165°	1975	1986	1975	1986	1975	557
175°	2022	2031	2022	2031	2022	192
180°	2031	2031	2031	2031	2031	



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1942.6	1940.1	1937.6	1932.6	1936.3	1925.7	1920.7	1912.0	1901.4	1897.7	1893.3
5°	2118.7	2122.6	2126.5	2110.2	2111.7	2100.8	2075.9	2055.6	2039.2	2018.2	2003.4
7.5°	2330.8	2321.6	2320.8	2310.2	2292.0	2277.3	2251.1	2217.7	2185.5	2148.7	2118.3
10°	2436.8	2437.6	2430.6	2418.1	2398.6	2384.6	2350.3	2317.5	2277.8	2231.0	2197.5
12.5°	2516.6	2519.9	2511.0	2494.2	2484.6	2453.2	2426.3	2387.4	2340.1	2302.7	2251.7
15°	2645.7	2637.1	2630.9	2609.8	2593.5	2560.7	2517.9	2477.3	2425.9	2378.3	2330.8
17.5°	2770.1	2777.0	2765.3	2746.1	2695.3	2657.1	2599.6	2544.0	2480.0	2416.2	2359.5
20°	2881.1	2887.4	2869.4	2835.9	2775.1	2736.9	2661.3	2589.6	2515.5	2433.7	2371.3
22.5°	3019.6	3014.6	2990.4	2939.4	2886.7	2816.1	2734.3	2646.9	2554.2	2461.7	2378.8
25°	3255.3	3222.5	3207.7	3144.6	3075.2	2971.5	2859.3	2731.4	2616.1	2493.7	2387.7
27.5°	3385.9	3375.6	3359.1	3315.2	3242.2	3131.3	2999.0	2843.2	2680.5	2526.0	2387.2
30°	3359.7	3361.3	3362.9	3348.8	3302.1	3218.6	3086.9	2919.3	2726.0	2552.2	2391.6
32.5°	3127.8	3156.1	3183.3	3215.4	3228.5	3212.4	3129.9	2978.6	2779.6	2582.1	2389.1
35°	2613.0	2621.5	2709.6	2796.9	2915.4	3007.4	3069.0	3001.9	2834.3	2607.5	2386.1
37.5°	2037.4	2079.5	2140.4	2239.1	2410.1	2563.2	2760.1	2850.7	2796.6	2615.8	2380.7
40°	1736.8	1775.8	1815.5	1916.1	2060.3	2245.8	2469.5	2660.5	2704.9	2589.6	2362.0
42.5°	1504.8	1535.7	1579.8	1655.4	1775.9	1940.2	2154.0	2403.6	2557.1	2513.5	2322.7
45°	1231.6	1251.1	1285.4	1345.5	1432.8	1561.4	1750.0	2022.9	2260.6	2339.3	2229.4
47.5°	1054.2	1054.1	1080.7	1122.2	1185.2	1294.5	1434.0	1647.8	1901.7	2089.6	2080.9
50°	955.7	951.8	972.8	1008.7	1058.6	1131.1	1264.4	1435.1	1679.1	1891.9	1951.1
52.5°	870.9	871.3	884.3	910.8	952.6	1014.5	1114.1	1268.0	1476.4	1694.8	1806.5
55°	759.3	756.1	770.9	788.9	819.3	859.8	931.5	1049.2	1218.4	1433.5	1578.5
57.5°	657.0	665.6	671.5	684.0	709.2	736.3	796.8	883.2	1017.4	1202.0	1355.3
60°	597.1	605.7	610.4	622.8	643.1	666.5	713.3	783.4	896.5	1055.5	1207.5
62.5°	543.5	550.2	551.7	563.0	579.5	602.3	639.1	698.0	787.3	926.4	1075.3
65°	466.2	466.2	469.3	481.0	488.8	509.0	537.1	580.0	651.7	760.0	887.1
67.5°	391.6	395.4	394.6	399.7	406.9	422.7	442.8	478.2	531.3	610.4	712.0
70°	343.0	346.1	345.3	349.2	357.0	367.2	383.5	417.0	455.2	523.1	610.4
72.5°	299.3	300.6	298.6	303.7	308.4	317.3	335.5	353.4	389.1	446.4	518.1
75°	229.2	230.7	232.3	235.4	240.1	244.8	254.1	272.1	295.4	338.3	384.3
77.5°	171.8	168.8	172.6	172.1	174.8	178.4	186.6	196.1	215.3	242.4	278.0
80°	129.4	130.2	130.2	131.0	134.9	137.2	144.2	151.2	166.0	186.3	211.3
82.5°	94.5	96.5	95.3	96.7	99.9	101.6	105.5	111.3	119.9	135.8	153.9
85°	51.4	47.6	49.1	50.7	50.7	51.4	54.6	56.9	61.6	67.8	74.8
87.5°	22.2	23.2	23.7	23.5	23.9	23.6	25.8	25.4	27.0	28.5	30.5
90°	36.1	35.1	34.1	33.1	32.1	30.8	29.1	27.4	25.8	24.1	21.7
92.5°	33.7	33.3	32.8	32.3	31.8	30.8	29.1	27.4	25.8	24.1	22.0
95°	31.6	31.6	31.6	31.6	31.6	30.8	29.1	27.4	25.8	24.1	36.8
97.5°	31.6	31.6	31.6	31.6	31.6	36.3	45.8	55.2	64.6	74.1	99.2
100°	31.6	33.0	34.3	35.6	37.0	62.6	112.4	162.2	212.1	261.9	260.6
102.5°	189.4	212.1	234.9	257.6	280.4	296.5	305.9	315.3	324.8	334.2	333.4
105°	447.1	447.4	447.8	448.1	448.4	448.6	448.6	448.6	448.6	448.6	448.6
107.5°	563.6	564.6	565.6	566.6	567.6	568.1	568.0	568.0	567.9	567.8	567.2
110°	644.3	644.0	643.6	643.3	643.0	643.3	644.3	645.3	646.3	647.3	646.6



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	716.5	717.0	717.5	718.0	718.4	719.3	720.6	721.8	723.1	724.4	724.0
115°	824.9	826.9	828.9	831.0	833.0	834.6	836.0	837.3	838.6	840.0	839.7
117.5°	940.5	941.4	942.3	943.2	944.0	945.3	947.1	948.8	950.5	952.3	951.0
120°	1011.6	1013.3	1014.9	1016.6	1018.3	1019.5	1020.1	1020.8	1021.5	1022.1	1021.1
122.5°	1079.0	1081.0	1082.9	1084.9	1086.8	1088.1	1088.8	1089.4	1090.1	1090.8	1090.3
125°	1181.7	1182.7	1183.7	1184.7	1185.7	1186.9	1188.2	1189.6	1190.9	1192.2	1192.2
127.5°	1268.1	1270.6	1273.1	1275.5	1278.0	1279.6	1280.4	1281.1	1281.8	1282.6	1282.8
130°	1330.7	1332.4	1334.1	1335.8	1337.4	1338.8	1339.8	1340.8	1341.8	1342.8	1342.4
132.5°	1388.5	1390.2	1391.9	1393.6	1395.2	1396.2	1396.4	1396.6	1396.8	1397.0	1397.7
135°	1467.7	1469.7	1471.7	1473.7	1475.7	1477.1	1477.8	1478.4	1479.1	1479.8	1480.4
137.5°	1547.2	1548.9	1550.7	1552.4	1554.2	1555.0	1554.8	1554.7	1554.6	1554.4	1555.0
140°	1594.2	1596.2	1598.2	1600.2	1602.2	1602.9	1602.2	1601.5	1600.9	1600.2	1600.5
142.5°	1638.7	1640.7	1642.7	1644.7	1646.8	1647.7	1647.6	1647.4	1647.3	1647.2	1646.7
145°	1704.1	1706.1	1708.1	1710.1	1712.1	1712.9	1712.6	1712.3	1711.9	1711.6	1711.6
147.5°	1758.0	1760.4	1762.8	1765.2	1767.6	1768.6	1768.2	1767.8	1767.4	1767.0	1766.6
150°	1792.9	1795.6	1798.2	1800.9	1803.6	1804.6	1803.9	1803.2	1802.6	1801.9	1801.2
152.5°	1825.4	1827.8	1830.2	1832.6	1835.0	1835.9	1835.2	1834.6	1833.9	1833.2	1832.6
155°	1868.1	1870.8	1873.5	1876.2	1878.8	1879.7	1878.7	1877.7	1876.7	1875.7	1875.0
157.5°	1904.0	1906.6	1909.3	1912.0	1914.7	1915.5	1914.4	1913.3	1912.3	1911.2	1911.1
160°	1926.9	1929.5	1932.2	1934.9	1937.6	1938.2	1936.9	1935.5	1934.2	1932.9	1932.5
162.5°	1947.3	1950.3	1953.2	1956.2	1959.1	1959.6	1957.8	1955.9	1954.0	1952.1	1951.8
165°	1975.0	1977.7	1980.4	1983.1	1985.7	1986.1	1984.1	1982.0	1980.0	1978.0	1977.7
167.5°	1994.3	1997.3	2000.3	2003.3	2006.3	2006.6	2004.2	2001.8	1999.4	1997.0	1996.7
170°	2005.1	2008.1	2011.2	2014.2	2017.2	2017.3	2014.7	2012.0	2009.3	2006.6	2006.3
172.5°	2012.4	2015.4	2018.4	2021.4	2024.4	2024.7	2022.3	2019.9	2017.5	2015.1	2014.5
175°	2021.7	2024.7	2027.7	2030.7	2033.7	2033.9	2031.2	2028.5	2025.9	2023.2	2022.9
177.5°	2027.1	2029.2	2031.4	2033.5	2035.7	2035.8	2033.9	2032.1	2030.2	2028.3	2028.0
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1889.6	1885.2	1880.2	1871.5	1860.9	1855.3	1846.5	1840.9	1829.7	1820.3	1810.4
5°	1985.4	1965.2	1946.5	1922.3	1895.8	1878.6	1858.4	1835.8	1812.4	1788.2	1761.7
7.5°	2084.8	2048.9	2009.9	1968.0	1927.0	1889.2	1853.2	1817.8	1784.8	1744.9	1711.1
10°	2151.5	2106.3	2057.9	2001.0	1945.7	1897.4	1848.2	1805.4	1761.7	1714.9	1673.6
12.5°	2218.2	2158.0	2089.7	2027.2	1960.7	1902.3	1844.5	1789.8	1734.9	1683.1	1635.0
15°	2265.3	2212.3	2149.1	2060.3	1985.4	1905.2	1828.8	1757.8	1691.6	1633.9	1573.1
17.5°	2296.3	2228.0	2160.2	2074.9	1976.9	1887.1	1800.5	1719.3	1644.6	1571.5	1512.9
20°	2301.9	2231.8	2160.8	2077.4	1976.9	1874.0	1787.4	1690.0	1609.7	1534.1	1462.4
22.5°	2300.1	2220.5	2143.4	2057.5	1959.4	1864.6	1760.0	1660.7	1573.5	1499.2	1424.3
25°	2282.4	2197.5	2100.8	2014.3	1917.6	1817.1	1711.1	1608.2	1519.3	1434.3	1360.3
27.5°	2267.8	2157.6	2048.1	1947.2	1853.9	1761.7	1660.2	1554.8	1456.3	1370.2	1300.4
30°	2249.7	2128.9	2005.7	1900.5	1804.6	1714.9	1619.1	1516.2	1413.3	1329.1	1254.3
32.5°	2233.5	2092.7	1962.7	1848.1	1746.6	1659.4	1571.0	1473.1	1372.1	1286.7	1211.8
35°	2202.2	2039.2	1890.3	1760.9	1652.6	1562.9	1488.9	1397.7	1304.9	1222.3	1150.6
37.5°	2162.4	1969.1	1809.3	1673.6	1554.8	1460.4	1391.4	1321.4	1232.4	1152.8	1087.9
40°	2131.2	1919.2	1750.0	1611.3	1488.1	1389.9	1326.0	1259.7	1185.7	1111.6	1043.0
42.5°	2091.9	1874.3	1690.2	1540.8	1418.9	1323.2	1256.1	1199.8	1134.5	1065.5	1001.8
45°	2019.7	1792.9	1593.3	1432.8	1309.6	1215.3	1145.9	1103.8	1054.7	989.2	935.4
47.5°	1913.6	1695.1	1488.7	1323.0	1195.9	1108.5	1043.5	1003.1	968.5	919.8	871.0
50°	1819.4	1622.2	1413.3	1248.8	1121.7	1033.6	973.6	937.0	907.4	869.9	828.6
52.5°	1714.0	1530.5	1339.1	1176.5	1050.6	963.8	905.0	872.8	848.1	821.3	780.6
55°	1546.6	1390.7	1212.9	1058.6	942.4	857.5	806.0	778.0	757.7	737.4	712.5
57.5°	1362.1	1240.2	1082.8	941.7	834.7	757.4	709.4	682.1	666.3	655.9	641.2
60°	1232.4	1128.0	992.3	863.7	759.3	690.7	643.9	622.8	609.6	601.0	590.1
62.5°	1112.1	1026.3	900.7	783.3	691.9	627.0	585.3	564.8	552.2	548.0	539.0
65°	934.6	868.4	764.7	667.3	589.3	534.0	498.9	479.4	471.6	466.9	467.7
67.5°	759.9	719.5	636.2	553.1	490.9	444.5	416.4	401.5	397.6	391.3	391.2
70°	653.2	622.8	552.7	480.2	424.8	389.0	364.0	348.4	344.5	341.4	340.7
72.5°	559.1	532.4	471.6	413.5	363.7	332.2	311.7	302.3	295.9	294.0	293.9
75°	420.2	405.4	357.0	311.0	276.7	254.9	240.9	232.3	227.6	226.8	227.6
77.5°	298.7	285.8	255.1	222.5	200.8	184.3	172.4	169.5	164.2	164.3	163.5
80°	224.5	215.9	196.4	170.7	152.8	138.8	132.5	127.1	125.5	123.2	125.5
82.5°	162.8	153.6	140.3	123.9	109.1	100.7	94.5	92.8	91.8	90.7	91.2
85°	80.3	81.1	73.3	60.8	54.6	49.9	46.0	46.0	45.2	44.4	45.2
87.5°	31.3	29.6	26.6	24.3	20.6	18.2	17.1	17.1	15.8	15.7	16.9
90°	19.4	17.1	14.7	12.2	9.5	6.9	4.2	1.5	4.2	6.9	9.5
92.5°	19.9	17.9	15.8	15.7	17.6	19.4	21.3	23.2	21.3	19.4	17.6
95°	49.5	62.2	74.9	81.8	82.8	83.8	84.8	85.8	84.8	83.8	82.8
97.5°	124.4	149.5	174.7	186.4	184.6	182.7	180.9	179.1	180.9	182.7	184.6
100°	259.3	257.9	256.6	255.4	254.4	253.4	252.4	251.4	252.4	253.4	254.4
102.5°	332.6	331.8	331.0	329.9	328.7	327.4	326.1	324.9	326.1	327.4	328.7
105°	448.6	448.6	448.6	447.9	446.6	445.3	443.9	442.6	443.9	445.3	446.6
107.5°	566.5	565.8	565.1	564.8	564.8	564.8	564.8	564.8	564.8	564.8	564.8
110°	646.0	645.3	644.6	644.3	644.3	644.3	644.3	644.3	644.3	644.3	644.3



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	723.6	723.2	722.8	722.2	721.4	720.6	719.8	719.0	719.8	720.6	721.4
115°	839.3	839.0	838.6	837.6	836.0	834.3	832.6	831.0	832.6	834.3	836.0
117.5°	949.7	948.5	947.2	946.6	946.7	946.7	946.8	946.9	946.8	946.7	946.7
120°	1020.1	1019.1	1018.1	1017.8	1018.1	1018.5	1018.8	1019.1	1018.8	1018.5	1018.1
122.5°	1089.8	1089.4	1088.9	1088.0	1086.8	1085.5	1084.2	1083.0	1084.2	1085.5	1086.8
125°	1192.2	1192.2	1192.2	1191.1	1188.7	1186.4	1184.0	1181.7	1184.0	1186.4	1188.7
127.5°	1283.0	1283.2	1283.4	1282.6	1281.0	1279.3	1277.6	1275.9	1277.6	1279.3	1281.0
130°	1342.1	1341.8	1341.4	1340.4	1338.8	1337.1	1335.4	1333.7	1335.4	1337.1	1338.8
132.5°	1398.4	1399.2	1399.9	1399.3	1397.4	1395.4	1393.5	1391.5	1393.5	1395.4	1397.4
135°	1481.1	1481.8	1482.4	1481.8	1479.8	1477.8	1475.7	1473.7	1475.7	1477.8	1479.8
137.5°	1555.6	1556.2	1556.8	1556.3	1554.5	1552.8	1551.0	1549.3	1551.0	1552.8	1554.5
140°	1600.9	1601.2	1601.5	1601.4	1600.7	1600.0	1599.4	1598.7	1599.4	1600.0	1600.7
142.5°	1646.2	1645.8	1645.3	1644.8	1644.4	1644.0	1643.6	1643.2	1643.6	1644.0	1644.4
145°	1711.6	1711.6	1711.6	1711.3	1710.6	1709.9	1709.2	1708.6	1709.2	1709.9	1710.6
147.5°	1766.2	1765.8	1765.4	1765.2	1765.4	1765.5	1765.6	1765.8	1765.6	1765.5	1765.4
150°	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1801.2	1800.6	1799.9
152.5°	1831.9	1831.2	1830.5	1830.9	1832.4	1833.9	1835.4	1836.8	1835.4	1833.9	1832.4
155°	1874.3	1873.7	1873.0	1873.7	1875.7	1877.7	1879.7	1881.7	1879.7	1877.7	1875.7
157.5°	1911.1	1911.0	1910.9	1911.5	1912.7	1913.9	1915.1	1916.3	1915.1	1913.9	1912.7
160°	1932.2	1931.9	1931.5	1932.4	1934.4	1936.4	1938.4	1940.4	1938.4	1936.4	1934.4
162.5°	1951.5	1951.1	1950.8	1951.6	1953.6	1955.7	1957.7	1959.7	1957.7	1955.7	1953.6
165°	1977.4	1977.0	1976.7	1977.5	1979.5	1981.5	1983.6	1985.6	1983.6	1981.5	1979.5
167.5°	1996.3	1996.0	1995.7	1996.5	1998.6	2000.7	2002.8	2004.8	2002.8	2000.7	1998.6
170°	2006.0	2005.6	2005.3	2006.3	2008.6	2011.0	2013.3	2015.7	2013.3	2011.0	2008.6
172.5°	2013.9	2013.3	2012.7	2013.5	2015.9	2018.2	2020.6	2022.9	2020.6	2018.2	2015.9
175°	2022.5	2022.2	2021.9	2022.7	2024.7	2026.7	2028.7	2030.7	2028.7	2026.7	2024.7
177.5°	2027.8	2027.5	2027.2	2027.9	2029.5	2031.1	2032.7	2034.3	2032.7	2031.1	2029.5
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1804.7	1797.9	1792.3	1779.8	1772.9	1763.6	1756.1	1764.2	1755.5	1759.2	1753.6
5°	1748.5	1726.6	1711.1	1688.4	1669.0	1651.0	1637.8	1635.4	1629.2	1626.1	1616.7
7.5°	1680.8	1653.5	1626.7	1597.1	1572.1	1546.7	1530.5	1517.1	1508.2	1496.5	1488.6
10°	1640.9	1604.3	1573.1	1537.2	1506.0	1478.8	1456.9	1446.0	1435.9	1421.1	1415.6
12.5°	1591.6	1553.7	1515.7	1477.4	1447.4	1417.0	1398.3	1381.8	1374.8	1358.1	1356.4
15°	1532.5	1475.6	1438.2	1399.2	1357.9	1333.0	1317.4	1299.5	1291.7	1280.0	1271.4
17.5°	1462.1	1411.2	1364.5	1324.1	1288.7	1267.7	1248.3	1236.0	1222.6	1215.0	1200.9
20°	1410.9	1362.6	1315.8	1273.0	1245.7	1221.5	1205.9	1194.2	1180.2	1176.3	1162.3
22.5°	1367.9	1314.6	1269.7	1233.7	1203.9	1176.6	1159.8	1151.8	1142.2	1130.2	1127.3
25°	1297.9	1242.6	1204.4	1168.5	1142.0	1117.1	1105.4	1095.2	1085.9	1077.3	1074.2
27.5°	1237.4	1188.0	1142.6	1110.2	1087.1	1064.4	1054.1	1041.8	1034.9	1028.0	1019.6
30°	1195.0	1144.3	1104.6	1073.4	1048.5	1028.2	1017.3	1008.7	1002.5	996.2	991.6
32.5°	1151.4	1104.4	1065.9	1035.4	1010.4	995.1	985.5	979.4	972.5	965.0	959.1
35°	1093.7	1042.2	1004.8	978.3	958.8	947.1	936.2	930.7	923.0	923.0	916.7
37.5°	1028.7	984.2	951.2	927.0	909.5	899.1	887.3	883.5	878.5	875.2	873.1
40°	990.0	948.7	917.5	893.3	874.6	866.0	856.7	850.5	847.3	843.4	841.9
42.5°	950.1	910.6	880.7	858.4	842.2	834.9	826.1	821.8	815.5	810.4	809.5
45°	889.4	851.2	824.0	806.0	792.0	783.4	778.0	768.6	765.5	759.3	758.5
47.5°	831.9	795.3	768.5	753.8	741.5	734.5	725.9	716.5	713.0	709.8	709.5
50°	788.9	755.4	730.4	716.4	704.7	694.6	686.0	679.7	677.4	677.4	679.0
52.5°	745.2	716.7	695.5	678.3	667.3	656.5	648.6	644.8	641.2	645.0	647.8
55°	681.3	652.5	636.9	620.5	609.6	597.1	593.2	591.7	589.3	595.6	598.7
57.5°	613.6	593.4	575.1	558.9	549.1	541.9	536.6	535.7	540.1	543.0	553.1
60°	570.6	547.2	530.9	518.4	506.7	502.0	500.5	498.9	502.0	510.6	523.8
62.5°	523.2	504.2	486.6	477.2	468.6	460.9	460.5	461.5	467.7	477.5	490.8
65°	453.7	437.3	425.6	414.7	407.7	403.0	404.6	407.7	414.7	428.0	442.8
67.5°	383.1	371.8	361.4	352.5	345.8	345.8	347.4	352.0	360.3	375.6	389.1
70°	337.5	325.1	316.5	312.6	307.1	304.0	308.7	316.5	323.5	337.5	349.2
72.5°	292.0	281.4	274.7	272.1	269.7	267.2	268.8	277.2	286.7	300.7	314.3
75°	224.5	220.6	215.9	212.8	210.5	212.0	213.6	221.4	229.2	244.0	259.6
77.5°	163.9	159.8	157.0	156.2	155.0	155.7	160.1	165.9	173.5	184.3	196.1
80°	123.9	122.4	120.8	120.0	120.0	120.8	127.1	131.0	138.0	148.1	157.5
82.5°	90.3	89.3	89.0	88.9	89.5	89.6	93.4	98.5	104.3	111.9	120.0
85°	47.6	46.0	48.3	49.1	47.6	49.9	51.4	54.6	56.9	60.8	64.7
87.5°	18.0	19.8	19.6	20.7	21.2	22.9	22.6	25.4	27.0	28.6	28.2
90°	12.2	14.7	17.1	19.4	21.7	24.1	25.8	27.4	29.1	30.8	32.1
92.5°	15.7	15.8	17.9	19.9	22.0	24.1	25.8	27.4	29.1	30.8	31.8
95°	81.8	74.9	62.2	49.5	36.8	24.1	25.8	27.4	29.1	30.8	31.6
97.5°	186.4	174.7	149.5	124.4	99.2	74.1	64.6	55.2	45.8	36.3	31.6
100°	255.4	256.6	257.9	259.3	260.6	261.9	212.1	162.2	112.4	62.6	37.0
102.5°	329.9	331.0	331.8	332.6	333.4	334.2	324.8	315.3	305.9	296.5	280.4
105°	447.9	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.4
107.5°	564.8	565.1	565.8	566.5	567.2	567.8	567.9	568.0	568.0	568.1	567.6
110°	644.3	644.6	645.3	646.0	646.6	647.3	646.3	645.3	644.3	643.3	643.0



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	722.2	722.8	723.2	723.6	724.0	724.4	723.1	721.8	720.6	719.3	718.4
115°	837.6	838.6	839.0	839.3	839.7	840.0	838.6	837.3	836.0	834.6	833.0
117.5°	946.6	947.2	948.5	949.7	951.0	952.3	950.5	948.8	947.1	945.3	944.0
120°	1017.8	1018.1	1019.1	1020.1	1021.1	1022.1	1021.5	1020.8	1020.1	1019.5	1018.3
122.5°	1088.0	1088.9	1089.4	1089.8	1090.3	1090.8	1090.1	1089.4	1088.8	1088.1	1086.8
125°	1191.1	1192.2	1192.2	1192.2	1192.2	1192.2	1190.9	1189.6	1188.2	1186.9	1185.7
127.5°	1282.6	1283.4	1283.2	1283.0	1282.8	1282.6	1281.8	1281.1	1280.4	1279.6	1278.0
130°	1340.4	1341.4	1341.8	1342.1	1342.4	1342.8	1341.8	1340.8	1339.8	1338.8	1337.4
132.5°	1399.3	1399.9	1399.2	1398.4	1397.7	1397.0	1396.8	1396.6	1396.4	1396.2	1395.2
135°	1481.8	1482.4	1481.8	1481.1	1480.4	1479.8	1479.1	1478.4	1477.8	1477.1	1475.7
137.5°	1556.3	1556.8	1556.2	1555.6	1555.0	1554.4	1554.6	1554.7	1554.8	1555.0	1554.2
140°	1601.4	1601.5	1601.2	1600.9	1600.5	1600.2	1600.9	1601.5	1602.2	1602.9	1602.2
142.5°	1644.8	1645.3	1645.8	1646.2	1646.7	1647.2	1647.3	1647.4	1647.6	1647.7	1646.8
145°	1711.3	1711.6	1711.6	1711.6	1711.6	1711.6	1711.9	1712.3	1712.6	1712.9	1712.1
147.5°	1765.2	1765.4	1765.8	1766.2	1766.6	1767.0	1767.4	1767.8	1768.2	1768.6	1767.6
150°	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1802.6	1803.2	1803.9	1804.6	1803.6
152.5°	1830.9	1830.5	1831.2	1831.9	1832.6	1833.2	1833.9	1834.6	1835.2	1835.9	1835.0
155°	1873.7	1873.0	1873.7	1874.3	1875.0	1875.7	1876.7	1877.7	1878.7	1879.7	1878.8
157.5°	1911.5	1910.9	1911.0	1911.1	1911.1	1911.2	1912.3	1913.3	1914.4	1915.5	1914.7
160°	1932.4	1931.5	1931.9	1932.2	1932.5	1932.9	1934.2	1935.5	1936.9	1938.2	1937.6
162.5°	1951.6	1950.8	1951.1	1951.5	1951.8	1952.1	1954.0	1955.9	1957.8	1959.6	1959.1
165°	1977.5	1976.7	1977.0	1977.4	1977.7	1978.0	1980.0	1982.0	1984.1	1986.1	1985.7
167.5°	1996.5	1995.7	1996.0	1996.3	1996.7	1997.0	1999.4	2001.8	2004.2	2006.6	2006.3
170°	2006.3	2005.3	2005.6	2006.0	2006.3	2006.6	2009.3	2012.0	2014.7	2017.3	2017.2
172.5°	2013.5	2012.7	2013.3	2013.9	2014.5	2015.1	2017.5	2019.9	2022.3	2024.7	2024.4
175°	2022.7	2021.9	2022.2	2022.5	2022.9	2023.2	2025.9	2028.5	2031.2	2033.9	2033.7
177.5°	2027.9	2027.2	2027.5	2027.8	2028.0	2028.3	2030.2	2032.1	2033.9	2035.8	2035.7
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1749.9	1754.2	1750.5	1755.5	1750.5	1754.2	1749.9	1753.6	1759.2	1755.5	1764.2
5°	1612.8	1605.8	1610.5	1607.4	1610.5	1605.8	1612.8	1616.7	1626.1	1629.2	1635.4
7.5°	1486.2	1479.5	1471.9	1468.3	1471.9	1479.5	1486.2	1488.6	1496.5	1508.2	1517.1
10°	1407.0	1398.5	1397.7	1392.2	1397.7	1398.5	1407.0	1415.6	1421.1	1435.9	1446.0
12.5°	1349.0	1341.1	1332.2	1329.9	1332.2	1341.1	1349.0	1356.4	1358.1	1374.8	1381.8
15°	1266.7	1260.5	1255.0	1259.7	1255.0	1260.5	1266.7	1271.4	1280.0	1291.7	1299.5
17.5°	1198.3	1193.1	1192.2	1186.4	1192.2	1193.1	1198.3	1200.9	1215.0	1222.6	1236.0
20°	1155.3	1151.4	1152.9	1142.8	1152.9	1151.4	1155.3	1162.3	1176.3	1180.2	1194.2
22.5°	1121.0	1113.3	1112.4	1110.4	1112.4	1113.3	1121.0	1127.3	1130.2	1142.2	1151.8
25°	1067.2	1063.3	1059.4	1063.3	1059.4	1063.3	1067.2	1074.2	1077.3	1085.9	1095.2
27.5°	1020.2	1015.6	1014.5	1014.9	1014.5	1015.6	1020.2	1019.6	1028.0	1034.9	1041.8
30°	991.6	983.8	984.5	983.8	984.5	983.8	991.6	991.6	996.2	1002.5	1008.7
32.5°	960.4	955.1	954.0	952.6	954.0	955.1	960.4	959.1	965.0	972.5	979.4
35°	914.4	914.4	910.5	910.5	910.5	914.4	914.4	916.7	923.0	923.0	930.7
37.5°	871.2	870.4	868.1	868.4	868.1	870.4	871.2	873.1	875.2	878.5	883.5
40°	838.8	838.0	835.6	831.0	835.6	838.0	838.8	841.9	843.4	847.3	850.5
42.5°	807.6	804.9	803.8	802.3	803.8	804.9	807.6	809.5	810.4	815.5	821.8
45°	758.5	758.5	756.9	756.1	756.9	758.5	758.5	758.5	759.3	765.5	768.6
47.5°	710.8	712.2	715.1	714.7	715.1	712.2	710.8	709.5	709.8	713.0	716.5
50°	682.1	682.9	685.2	686.0	685.2	682.9	682.1	679.0	677.4	677.4	679.7
52.5°	650.3	654.8	657.8	657.3	657.8	654.8	650.3	647.8	645.0	641.2	644.8
55°	605.7	611.1	616.6	617.4	616.6	611.1	605.7	598.7	595.6	589.3	591.7
57.5°	561.6	569.2	575.0	576.8	575.0	569.2	561.6	553.1	543.0	540.1	535.7
60°	531.6	541.8	548.8	551.9	548.8	541.8	531.6	523.8	510.6	502.0	498.9
62.5°	502.9	514.3	521.3	522.0	521.3	514.3	502.9	490.8	477.5	467.7	461.5
65°	456.0	467.7	473.9	478.6	473.9	467.7	456.0	442.8	428.0	414.7	407.7
67.5°	405.5	417.2	424.1	427.8	424.1	417.2	405.5	389.1	375.6	360.3	352.0
70°	368.7	380.4	389.8	392.9	389.8	380.4	368.7	349.2	337.5	323.5	316.5
72.5°	332.5	343.0	350.5	354.2	350.5	343.0	332.5	314.3	300.7	286.7	277.2
75°	269.7	283.7	290.8	294.7	290.8	283.7	269.7	259.6	244.0	229.2	221.4
77.5°	208.0	220.8	225.0	227.0	225.0	220.8	208.0	196.1	184.3	173.5	165.9
80°	166.8	174.6	180.1	180.8	180.1	174.6	166.8	157.5	148.1	138.0	131.0
82.5°	128.2	134.7	136.4	138.4	136.4	134.7	128.2	120.0	111.9	104.3	98.5
85°	70.2	73.3	74.1	73.3	74.1	73.3	70.2	64.7	60.8	56.9	54.6
87.5°	29.7	29.3	29.5	30.9	29.5	29.3	29.7	28.2	28.6	27.0	25.4
90°	33.1	34.1	35.1	36.1	35.1	34.1	33.1	32.1	30.8	29.1	27.4
92.5°	32.3	32.8	33.3	33.7	33.3	32.8	32.3	31.8	30.8	29.1	27.4
95°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	30.8	29.1	27.4
97.5°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	36.3	45.8	55.2
100°	35.6	34.3	33.0	31.6	33.0	34.3	35.6	37.0	62.6	112.4	162.2
102.5°	257.6	234.9	212.1	189.4	212.1	234.9	257.6	280.4	296.5	305.9	315.3
105°	448.1	447.8	447.4	447.1	447.4	447.8	448.1	448.4	448.6	448.6	448.6
107.5°	566.6	565.6	564.6	563.6	564.6	565.6	566.6	567.6	568.1	568.0	568.0
110°	643.3	643.6	644.0	644.3	644.0	643.6	643.3	643.0	643.3	644.3	645.3



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	718.0	717.5	717.0	716.5	717.0	717.5	718.0	718.4	719.3	720.6	721.8
115°	831.0	828.9	826.9	824.9	826.9	828.9	831.0	833.0	834.6	836.0	837.3
117.5°	943.2	942.3	941.4	940.5	941.4	942.3	943.2	944.0	945.3	947.1	948.8
120°	1016.6	1014.9	1013.3	1011.6	1013.3	1014.9	1016.6	1018.3	1019.5	1020.1	1020.8
122.5°	1084.9	1082.9	1081.0	1079.0	1081.0	1082.9	1084.9	1086.8	1088.1	1088.8	1089.4
125°	1184.7	1183.7	1182.7	1181.7	1182.7	1183.7	1184.7	1185.7	1186.9	1188.2	1189.6
127.5°	1275.5	1273.1	1270.6	1268.1	1270.6	1273.1	1275.5	1278.0	1279.6	1280.4	1281.1
130°	1335.8	1334.1	1332.4	1330.7	1332.4	1334.1	1335.8	1337.4	1338.8	1339.8	1340.8
132.5°	1393.6	1391.9	1390.2	1388.5	1390.2	1391.9	1393.6	1395.2	1396.2	1396.4	1396.6
135°	1473.7	1471.7	1469.7	1467.7	1469.7	1471.7	1473.7	1475.7	1477.1	1477.8	1478.4
137.5°	1552.4	1550.7	1548.9	1547.2	1548.9	1550.7	1552.4	1554.2	1555.0	1554.8	1554.7
140°	1600.2	1598.2	1596.2	1594.2	1596.2	1598.2	1600.2	1602.2	1602.9	1602.2	1601.5
142.5°	1644.7	1642.7	1640.7	1638.7	1640.7	1642.7	1644.7	1646.8	1647.7	1647.6	1647.4
145°	1710.1	1708.1	1706.1	1704.1	1706.1	1708.1	1710.1	1712.1	1712.9	1712.6	1712.3
147.5°	1765.2	1762.8	1760.4	1758.0	1760.4	1762.8	1765.2	1767.6	1768.6	1768.2	1767.8
150°	1800.9	1798.2	1795.6	1792.9	1795.6	1798.2	1800.9	1803.6	1804.6	1803.9	1803.2
152.5°	1832.6	1830.2	1827.8	1825.4	1827.8	1830.2	1832.6	1835.0	1835.9	1835.2	1834.6
155°	1876.2	1873.5	1870.8	1868.1	1870.8	1873.5	1876.2	1878.8	1879.7	1878.7	1877.7
157.5°	1912.0	1909.3	1906.6	1904.0	1906.6	1909.3	1912.0	1914.7	1915.5	1914.4	1913.3
160°	1934.9	1932.2	1929.5	1926.9	1929.5	1932.2	1934.9	1937.6	1938.2	1936.9	1935.5
162.5°	1956.2	1953.2	1950.3	1947.3	1950.3	1953.2	1956.2	1959.1	1959.6	1957.8	1955.9
165°	1983.1	1980.4	1977.7	1975.0	1977.7	1980.4	1983.1	1985.7	1986.1	1984.1	1982.0
167.5°	2003.3	2000.3	1997.3	1994.3	1997.3	2000.3	2003.3	2006.3	2006.6	2004.2	2001.8
170°	2014.2	2011.2	2008.1	2005.1	2008.1	2011.2	2014.2	2017.2	2017.3	2014.7	2012.0
172.5°	2021.4	2018.4	2015.4	2012.4	2015.4	2018.4	2021.4	2024.4	2024.7	2022.3	2019.9
175°	2030.7	2027.7	2024.7	2021.7	2024.7	2027.7	2030.7	2033.7	2033.9	2031.2	2028.5
177.5°	2033.5	2031.4	2029.2	2027.1	2029.2	2031.4	2033.5	2035.7	2035.8	2033.9	2032.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1756.1	1763.6	1772.9	1779.8	1792.3	1797.9	1804.7	1810.4	1820.3	1829.7	1840.9
5°	1637.8	1651.0	1669.0	1688.4	1711.1	1726.6	1748.5	1761.7	1788.2	1812.4	1835.8
7.5°	1530.5	1546.7	1572.1	1597.1	1626.7	1653.5	1680.8	1711.1	1744.9	1784.8	1817.8
10°	1456.9	1478.8	1506.0	1537.2	1573.1	1604.3	1640.9	1673.6	1714.9	1761.7	1805.4
12.5°	1398.3	1417.0	1447.4	1477.4	1515.7	1553.7	1591.6	1635.0	1683.1	1734.9	1789.8
15°	1317.4	1333.0	1357.9	1399.2	1438.2	1475.6	1532.5	1573.1	1633.9	1691.6	1757.8
17.5°	1248.3	1267.7	1288.7	1324.1	1364.5	1411.2	1462.1	1512.9	1571.5	1644.6	1719.3
20°	1205.9	1221.5	1245.7	1273.0	1315.8	1362.6	1410.9	1462.4	1534.1	1609.7	1690.0
22.5°	1159.8	1176.6	1203.9	1233.7	1269.7	1314.6	1367.9	1424.3	1499.2	1573.5	1660.7
25°	1105.4	1117.1	1142.0	1168.5	1204.4	1242.6	1297.9	1360.3	1434.3	1519.3	1608.2
27.5°	1054.1	1064.4	1087.1	1110.2	1142.6	1188.0	1237.4	1300.4	1370.2	1456.3	1554.8
30°	1017.3	1028.2	1048.5	1073.4	1104.6	1144.3	1195.0	1254.3	1329.1	1413.3	1516.2
32.5°	985.5	995.1	1010.4	1035.4	1065.9	1104.4	1151.4	1211.8	1286.7	1372.1	1473.1
35°	936.2	947.1	958.8	978.3	1004.8	1042.2	1093.7	1150.6	1222.3	1304.9	1397.7
37.5°	887.3	899.1	909.5	927.0	951.2	984.2	1028.7	1087.9	1152.8	1232.4	1321.4
40°	856.7	866.0	874.6	893.3	917.5	948.7	990.0	1043.0	1111.6	1185.7	1259.7
42.5°	826.1	834.9	842.2	858.4	880.7	910.6	950.1	1001.8	1065.5	1134.5	1199.8
45°	778.0	783.4	792.0	806.0	824.0	851.2	889.4	935.4	989.2	1054.7	1103.8
47.5°	725.9	734.5	741.5	753.8	768.5	795.3	831.9	871.0	919.8	968.5	1003.1
50°	686.0	694.6	704.7	716.4	730.4	755.4	788.9	828.6	869.9	907.4	937.0
52.5°	648.6	656.5	667.3	678.3	695.5	716.7	745.2	780.6	821.3	848.1	872.8
55°	593.2	597.1	609.6	620.5	636.9	652.5	681.3	712.5	737.4	757.7	778.0
57.5°	536.6	541.9	549.1	558.9	575.1	593.4	613.6	641.2	655.9	666.3	682.1
60°	500.5	502.0	506.7	518.4	530.9	547.2	570.6	590.1	601.0	609.6	622.8
62.5°	460.5	460.9	468.6	477.2	486.6	504.2	523.2	539.0	548.0	552.2	564.8
65°	404.6	403.0	407.7	414.7	425.6	437.3	453.7	467.7	466.9	471.6	479.4
67.5°	347.4	345.8	345.8	352.5	361.4	371.8	383.1	391.2	391.3	397.6	401.5
70°	308.7	304.0	307.1	312.6	316.5	325.1	337.5	340.7	341.4	344.5	348.4
72.5°	268.8	267.2	269.7	272.1	274.7	281.4	292.0	293.9	294.0	295.9	302.3
75°	213.6	212.0	210.5	212.8	215.9	220.6	224.5	227.6	226.8	227.6	232.3
77.5°	160.1	155.7	155.0	156.2	157.0	159.8	163.9	163.5	164.3	164.2	169.5
80°	127.1	120.8	120.0	120.0	120.8	122.4	123.9	125.5	123.2	125.5	127.1
82.5°	93.4	89.6	89.5	88.9	89.0	89.3	90.3	91.2	90.7	91.8	92.8
85°	51.4	49.9	47.6	49.1	48.3	46.0	47.6	45.2	44.4	45.2	46.0
87.5°	22.6	22.9	21.2	20.7	19.6	19.8	18.0	16.9	15.7	15.8	17.1
90°	25.8	24.1	21.7	19.4	17.1	14.7	12.2	9.5	6.9	4.2	1.5
92.5°	25.8	24.1	22.0	19.9	17.9	15.8	15.7	17.6	19.4	21.3	23.2
95°	25.8	24.1	36.8	49.5	62.2	74.9	81.8	82.8	83.8	84.8	85.8
97.5°	64.6	74.1	99.2	124.4	149.5	174.7	186.4	184.6	182.7	180.9	179.1
100°	212.1	261.9	260.6	259.3	257.9	256.6	255.4	254.4	253.4	252.4	251.4
102.5°	324.8	334.2	333.4	332.6	331.8	331.0	329.9	328.7	327.4	326.1	324.9
105°	448.6	448.6	448.6	448.6	448.6	448.6	447.9	446.6	445.3	443.9	442.6
107.5°	567.9	567.8	567.2	566.5	565.8	565.1	564.8	564.8	564.8	564.8	564.8
110°	646.3	647.3	646.6	646.0	645.3	644.6	644.3	644.3	644.3	644.3	644.3



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	723.1	724.4	724.0	723.6	723.2	722.8	722.2	721.4	720.6	719.8	719.0
115°	838.6	840.0	839.7	839.3	839.0	838.6	837.6	836.0	834.3	832.6	831.0
117.5°	950.5	952.3	951.0	949.7	948.5	947.2	946.6	946.7	946.7	946.8	946.9
120°	1021.5	1022.1	1021.1	1020.1	1019.1	1018.1	1017.8	1018.1	1018.5	1018.8	1019.1
122.5°	1090.1	1090.8	1090.3	1089.8	1089.4	1088.9	1088.0	1086.8	1085.5	1084.2	1083.0
125°	1190.9	1192.2	1192.2	1192.2	1192.2	1192.2	1191.1	1188.7	1186.4	1184.0	1181.7
127.5°	1281.8	1282.6	1282.8	1283.0	1283.2	1283.4	1282.6	1281.0	1279.3	1277.6	1275.9
130°	1341.8	1342.8	1342.4	1342.1	1341.8	1341.4	1340.4	1338.8	1337.1	1335.4	1333.7
132.5°	1396.8	1397.0	1397.7	1398.4	1399.2	1399.9	1399.3	1397.4	1395.4	1393.5	1391.5
135°	1479.1	1479.8	1480.4	1481.1	1481.8	1482.4	1481.8	1479.8	1477.8	1475.7	1473.7
137.5°	1554.6	1554.4	1555.0	1555.6	1556.2	1556.8	1556.3	1554.5	1552.8	1551.0	1549.3
140°	1600.9	1600.2	1600.5	1600.9	1601.2	1601.5	1601.4	1600.7	1600.0	1599.4	1598.7
142.5°	1647.3	1647.2	1646.7	1646.2	1645.8	1645.3	1644.8	1644.4	1644.0	1643.6	1643.2
145°	1711.9	1711.6	1711.6	1711.6	1711.6	1711.6	1711.3	1710.6	1709.9	1709.2	1708.6
147.5°	1767.4	1767.0	1766.6	1766.2	1765.8	1765.4	1765.2	1765.4	1765.5	1765.6	1765.8
150°	1802.6	1801.9	1801.2	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9
152.5°	1833.9	1833.2	1832.6	1831.9	1831.2	1830.5	1830.9	1832.4	1833.9	1835.4	1836.8
155°	1876.7	1875.7	1875.0	1874.3	1873.7	1873.0	1873.7	1875.7	1877.7	1879.7	1881.7
157.5°	1912.3	1911.2	1911.1	1911.1	1911.0	1910.9	1911.5	1912.7	1913.9	1915.1	1916.3
160°	1934.2	1932.9	1932.5	1932.2	1931.9	1931.5	1932.4	1934.4	1936.4	1938.4	1940.4
162.5°	1954.0	1952.1	1951.8	1951.5	1951.1	1950.8	1951.6	1953.6	1955.7	1957.7	1959.7
165°	1980.0	1978.0	1977.7	1977.4	1977.0	1976.7	1977.5	1979.5	1981.5	1983.6	1985.6
167.5°	1999.4	1997.0	1996.7	1996.3	1996.0	1995.7	1996.5	1998.6	2000.7	2002.8	2004.8
170°	2009.3	2006.6	2006.3	2006.0	2005.6	2005.3	2006.3	2008.6	2011.0	2013.3	2015.7
172.5°	2017.5	2015.1	2014.5	2013.9	2013.3	2012.7	2013.5	2015.9	2018.2	2020.6	2022.9
175°	2025.9	2023.2	2022.9	2022.5	2022.2	2021.9	2022.7	2024.7	2026.7	2028.7	2030.7
177.5°	2030.2	2028.3	2028.0	2027.8	2027.5	2027.2	2027.9	2029.5	2031.1	2032.7	2034.3
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1846.5	1855.3	1860.9	1871.5	1880.2	1885.2	1889.6	1893.3	1897.7	1901.4	1912.0
5°	1858.4	1878.6	1895.8	1922.3	1946.5	1965.2	1985.4	2003.4	2018.2	2039.2	2055.6
7.5°	1853.2	1889.2	1927.0	1968.0	2009.9	2048.9	2084.8	2118.3	2148.7	2185.5	2217.7
10°	1848.2	1897.4	1945.7	2001.0	2057.9	2106.3	2151.5	2197.5	2231.0	2277.8	2317.5
12.5°	1844.5	1902.3	1960.7	2027.2	2089.7	2158.0	2218.2	2251.7	2302.7	2340.1	2387.4
15°	1828.8	1905.2	1985.4	2060.3	2149.1	2212.3	2265.3	2330.8	2378.3	2425.9	2477.3
17.5°	1800.5	1887.1	1976.9	2074.9	2160.2	2228.0	2296.3	2359.5	2416.2	2480.0	2544.0
20°	1787.4	1874.0	1976.9	2077.4	2160.8	2231.8	2301.9	2371.3	2433.7	2515.5	2589.6
22.5°	1760.0	1864.6	1959.4	2057.5	2143.4	2220.5	2300.1	2378.8	2461.7	2554.2	2646.9
25°	1711.1	1817.1	1917.6	2014.3	2100.8	2197.5	2282.4	2387.7	2493.7	2616.1	2731.4
27.5°	1660.2	1761.7	1853.9	1947.2	2048.1	2157.6	2267.8	2387.2	2526.0	2680.5	2843.2
30°	1619.1	1714.9	1804.6	1900.5	2005.7	2128.9	2249.7	2391.6	2552.2	2726.0	2919.3
32.5°	1571.0	1659.4	1746.6	1848.1	1962.7	2092.7	2233.5	2389.1	2582.1	2779.6	2978.6
35°	1488.9	1562.9	1652.6	1760.9	1890.3	2039.2	2202.2	2386.1	2607.5	2834.3	3001.9
37.5°	1391.4	1460.4	1554.8	1673.6	1809.3	1969.1	2162.4	2380.7	2615.8	2796.6	2850.7
40°	1326.0	1389.9	1488.1	1611.3	1750.0	1919.2	2131.2	2362.0	2589.6	2704.9	2660.5
42.5°	1256.1	1323.2	1418.9	1540.8	1690.2	1874.3	2091.9	2322.7	2513.5	2557.1	2403.6
45°	1145.9	1215.3	1309.6	1432.8	1593.3	1792.9	2019.7	2229.4	2339.3	2260.6	2022.9
47.5°	1043.5	1108.5	1195.9	1323.0	1488.7	1695.1	1913.6	2080.9	2089.6	1901.7	1647.8
50°	973.6	1033.6	1121.7	1248.8	1413.3	1622.2	1819.4	1951.1	1891.9	1679.1	1435.1
52.5°	905.0	963.8	1050.6	1176.5	1339.1	1530.5	1714.0	1806.5	1694.8	1476.4	1268.0
55°	806.0	857.5	942.4	1058.6	1212.9	1390.7	1546.6	1578.5	1433.5	1218.4	1049.2
57.5°	709.4	757.4	834.7	941.7	1082.8	1240.2	1362.1	1355.3	1202.0	1017.4	883.2
60°	643.9	690.7	759.3	863.7	992.3	1128.0	1232.4	1207.5	1055.5	896.5	783.4
62.5°	585.3	627.0	691.9	783.3	900.7	1026.3	1112.1	1075.3	926.4	787.3	698.0
65°	498.9	534.0	589.3	667.3	764.7	868.4	934.6	887.1	760.0	651.7	580.0
67.5°	416.4	444.5	490.9	553.1	636.2	719.5	759.9	712.0	610.4	531.3	478.2
70°	364.0	389.0	424.8	480.2	552.7	622.8	653.2	610.4	523.1	455.2	417.0
72.5°	311.7	332.2	363.7	413.5	471.6	532.4	559.1	518.1	446.4	389.1	353.4
75°	240.9	254.9	276.7	311.0	357.0	405.4	420.2	384.3	338.3	295.4	272.1
77.5°	172.4	184.3	200.8	222.5	255.1	285.8	298.7	278.0	242.4	215.3	196.1
80°	132.5	138.8	152.8	170.7	196.4	215.9	224.5	211.3	186.3	166.0	151.2
82.5°	94.5	100.7	109.1	123.9	140.3	153.6	162.8	153.9	135.8	119.9	111.3
85°	46.0	49.9	54.6	60.8	73.3	81.1	80.3	74.8	67.8	61.6	56.9
87.5°	17.1	18.2	20.6	24.3	26.6	29.6	31.3	30.5	28.5	27.0	25.4
90°	4.2	6.9	9.5	12.2	14.7	17.1	19.4	21.7	24.1	25.8	27.4
92.5°	21.3	19.4	17.6	15.7	15.8	17.9	19.9	22.0	24.1	25.8	27.4
95°	84.8	83.8	82.8	81.8	74.9	62.2	49.5	36.8	24.1	25.8	27.4
97.5°	180.9	182.7	184.6	186.4	174.7	149.5	124.4	99.2	74.1	64.6	55.2
100°	252.4	253.4	254.4	255.4	256.6	257.9	259.3	260.6	261.9	212.1	162.2
102.5°	326.1	327.4	328.7	329.9	331.0	331.8	332.6	333.4	334.2	324.8	315.3
105°	443.9	445.3	446.6	447.9	448.6	448.6	448.6	448.6	448.6	448.6	448.6
107.5°	564.8	564.8	564.8	564.8	565.1	565.8	566.5	567.2	567.8	567.9	568.0
110°	644.3	644.3	644.3	644.3	644.6	645.3	646.0	646.6	647.3	646.3	645.3



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	719.8	720.6	721.4	722.2	722.8	723.2	723.6	724.0	724.4	723.1	721.8
115°	832.6	834.3	836.0	837.6	838.6	839.0	839.3	839.7	840.0	838.6	837.3
117.5°	946.8	946.7	946.7	946.6	947.2	948.5	949.7	951.0	952.3	950.5	948.8
120°	1018.8	1018.5	1018.1	1017.8	1018.1	1019.1	1020.1	1021.1	1022.1	1021.5	1020.8
122.5°	1084.2	1085.5	1086.8	1088.0	1088.9	1089.4	1089.8	1090.3	1090.8	1090.1	1089.4
125°	1184.0	1186.4	1188.7	1191.1	1192.2	1192.2	1192.2	1192.2	1192.2	1190.9	1189.6
127.5°	1277.6	1279.3	1281.0	1282.6	1283.4	1283.2	1283.0	1282.8	1282.6	1281.8	1281.1
130°	1335.4	1337.1	1338.8	1340.4	1341.4	1341.8	1342.1	1342.4	1342.8	1341.8	1340.8
132.5°	1393.5	1395.4	1397.4	1399.3	1399.9	1399.2	1398.4	1397.7	1397.0	1396.8	1396.6
135°	1475.7	1477.8	1479.8	1481.8	1482.4	1481.8	1481.1	1480.4	1479.8	1479.1	1478.4
137.5°	1551.0	1552.8	1554.5	1556.3	1556.8	1556.2	1555.6	1555.0	1554.4	1554.6	1554.7
140°	1599.4	1600.0	1600.7	1601.4	1601.5	1601.2	1600.9	1600.5	1600.2	1600.9	1601.5
142.5°	1643.6	1644.0	1644.4	1644.8	1645.3	1645.8	1646.2	1646.7	1647.2	1647.3	1647.4
145°	1709.2	1709.9	1710.6	1711.3	1711.6	1711.6	1711.6	1711.6	1711.6	1711.9	1712.3
147.5°	1765.6	1765.5	1765.4	1765.2	1765.4	1765.8	1766.2	1766.6	1767.0	1767.4	1767.8
150°	1801.2	1800.6	1799.9	1799.2	1799.2	1799.9	1800.6	1801.2	1801.9	1802.6	1803.2
152.5°	1835.4	1833.9	1832.4	1830.9	1830.5	1831.2	1831.9	1832.6	1833.2	1833.9	1834.6
155°	1879.7	1877.7	1875.7	1873.7	1873.0	1873.7	1874.3	1875.0	1875.7	1876.7	1877.7
157.5°	1915.1	1913.9	1912.7	1911.5	1910.9	1911.0	1911.1	1911.1	1911.2	1912.3	1913.3
160°	1938.4	1936.4	1934.4	1932.4	1931.5	1931.9	1932.2	1932.5	1932.9	1934.2	1935.5
162.5°	1957.7	1955.7	1953.6	1951.6	1950.8	1951.1	1951.5	1951.8	1952.1	1954.0	1955.9
165°	1983.6	1981.5	1979.5	1977.5	1976.7	1977.0	1977.4	1977.7	1978.0	1980.0	1982.0
167.5°	2002.8	2000.7	1998.6	1996.5	1995.7	1996.0	1996.3	1996.7	1997.0	1999.4	2001.8
170°	2013.3	2011.0	2008.6	2006.3	2005.3	2005.6	2006.0	2006.3	2006.6	2009.3	2012.0
172.5°	2020.6	2018.2	2015.9	2013.5	2012.7	2013.3	2013.9	2014.5	2015.1	2017.5	2019.9
175°	2028.7	2026.7	2024.7	2022.7	2021.9	2022.2	2022.5	2022.9	2023.2	2025.9	2028.5
177.5°	2032.7	2031.1	2029.5	2027.9	2027.2	2027.5	2027.8	2028.0	2028.3	2030.2	2032.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1920.7	1925.7	1936.3	1932.6	1937.6	1940.1	1942.6
5°	2075.9	2100.8	2111.7	2110.2	2126.5	2122.6	2118.7
7.5°	2251.1	2277.3	2292.0	2310.2	2320.8	2321.6	2330.8
10°	2350.3	2384.6	2398.6	2418.1	2430.6	2437.6	2436.8
12.5°	2426.3	2453.2	2484.6	2494.2	2511.0	2519.9	2516.6
15°	2517.9	2560.7	2593.5	2609.8	2630.9	2637.1	2645.7
17.5°	2599.6	2657.1	2695.3	2746.1	2765.3	2777.0	2770.1
20°	2661.3	2736.9	2775.1	2835.9	2869.4	2887.4	2881.1
22.5°	2734.3	2816.1	2886.7	2939.4	2990.4	3014.6	3019.6
25°	2859.3	2971.5	3075.2	3144.6	3207.7	3222.5	3255.3
27.5°	2999.0	3131.3	3242.2	3315.2	3359.1	3375.6	3385.9
30°	3086.9	3218.6	3302.1	3348.8	3362.9	3361.3	3359.7
32.5°	3129.9	3212.4	3228.5	3215.4	3183.3	3156.1	3127.8
35°	3069.0	3007.4	2915.4	2796.9	2709.6	2621.5	2613.0
37.5°	2760.1	2563.2	2410.1	2239.1	2140.4	2079.5	2037.4
40°	2469.5	2245.8	2060.3	1916.1	1815.5	1775.8	1736.8
42.5°	2154.0	1940.2	1775.9	1655.4	1579.8	1535.7	1504.8
45°	1750.0	1561.4	1432.8	1345.5	1285.4	1251.1	1231.6
47.5°	1434.0	1294.5	1185.2	1122.2	1080.7	1054.1	1054.2
50°	1264.4	1131.1	1058.6	1008.7	972.8	951.8	955.7
52.5°	1114.1	1014.5	952.6	910.8	884.3	871.3	870.9
55°	931.5	859.8	819.3	788.9	770.9	756.1	759.3
57.5°	796.8	736.3	709.2	684.0	671.5	665.6	657.0
60°	713.3	666.5	643.1	622.8	610.4	605.7	597.1
62.5°	639.1	602.3	579.5	563.0	551.7	550.2	543.5
65°	537.1	509.0	488.8	481.0	469.3	466.2	466.2
67.5°	442.8	422.7	406.9	399.7	394.6	395.4	391.6
70°	383.5	367.2	357.0	349.2	345.3	346.1	343.0
72.5°	335.5	317.3	308.4	303.7	298.6	300.6	299.3
75°	254.1	244.8	240.1	235.4	232.3	230.7	229.2
77.5°	186.6	178.4	174.8	172.1	172.6	168.8	171.8
80°	144.2	137.2	134.9	131.0	130.2	130.2	129.4
82.5°	105.5	101.6	99.9	96.7	95.3	96.5	94.5
85°	54.6	51.4	50.7	50.7	49.1	47.6	51.4
87.5°	25.8	23.6	23.9	23.5	23.7	23.2	22.2
90°	29.1	30.8	32.1	33.1	34.1	35.1	36.1
92.5°	29.1	30.8	31.8	32.3	32.8	33.3	33.7
95°	29.1	30.8	31.6	31.6	31.6	31.6	31.6
97.5°	45.8	36.3	31.6	31.6	31.6	31.6	31.6
100°	112.4	62.6	37.0	35.6	34.3	33.0	31.6
102.5°	305.9	296.5	280.4	257.6	234.9	212.1	189.4
105°	448.6	448.6	448.4	448.1	447.8	447.4	447.1
107.5°	568.0	568.1	567.6	566.6	565.6	564.6	563.6
110°	644.3	643.3	643.0	643.3	643.6	644.0	644.3



TEST NUMBER: P333484

CATALOG NUMBER: S125DIW-S1270D1560U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	720.6	719.3	718.4	718.0	717.5	717.0	716.5
115°	836.0	834.6	833.0	831.0	828.9	826.9	824.9
117.5°	947.1	945.3	944.0	943.2	942.3	941.4	940.5
120°	1020.1	1019.5	1018.3	1016.6	1014.9	1013.3	1011.6
122.5°	1088.8	1088.1	1086.8	1084.9	1082.9	1081.0	1079.0
125°	1188.2	1186.9	1185.7	1184.7	1183.7	1182.7	1181.7
127.5°	1280.4	1279.6	1278.0	1275.5	1273.1	1270.6	1268.1
130°	1339.8	1338.8	1337.4	1335.8	1334.1	1332.4	1330.7
132.5°	1396.4	1396.2	1395.2	1393.6	1391.9	1390.2	1388.5
135°	1477.8	1477.1	1475.7	1473.7	1471.7	1469.7	1467.7
137.5°	1554.8	1555.0	1554.2	1552.4	1550.7	1548.9	1547.2
140°	1602.2	1602.9	1602.2	1600.2	1598.2	1596.2	1594.2
142.5°	1647.6	1647.7	1646.8	1644.7	1642.7	1640.7	1638.7
145°	1712.6	1712.9	1712.1	1710.1	1708.1	1706.1	1704.1
147.5°	1768.2	1768.6	1767.6	1765.2	1762.8	1760.4	1758.0
150°	1803.9	1804.6	1803.6	1800.9	1798.2	1795.6	1792.9
152.5°	1835.2	1835.9	1835.0	1832.6	1830.2	1827.8	1825.4
155°	1878.7	1879.7	1878.8	1876.2	1873.5	1870.8	1868.1
157.5°	1914.4	1915.5	1914.7	1912.0	1909.3	1906.6	1904.0
160°	1936.9	1938.2	1937.6	1934.9	1932.2	1929.5	1926.9
162.5°	1957.8	1959.6	1959.1	1956.2	1953.2	1950.3	1947.3
165°	1984.1	1986.1	1985.7	1983.1	1980.4	1977.7	1975.0
167.5°	2004.2	2006.6	2006.3	2003.3	2000.3	1997.3	1994.3
170°	2014.7	2017.3	2017.2	2014.2	2011.2	2008.1	2005.1
172.5°	2022.3	2024.7	2024.4	2021.4	2018.4	2015.4	2012.4
175°	2031.2	2033.9	2033.7	2030.7	2027.7	2024.7	2021.7
177.5°	2033.9	2035.8	2035.7	2033.5	2031.4	2029.2	2027.1
180°	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7	2030.7

(END OF REPORT)