

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: P333466-840

Luminaire Tested: **S125DIW-S1270D770U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333466-840
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-S1270D770U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 770 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8335.4 lumens
Efficiency: N/A
Efficacy: 139.4 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: Semi-Direct

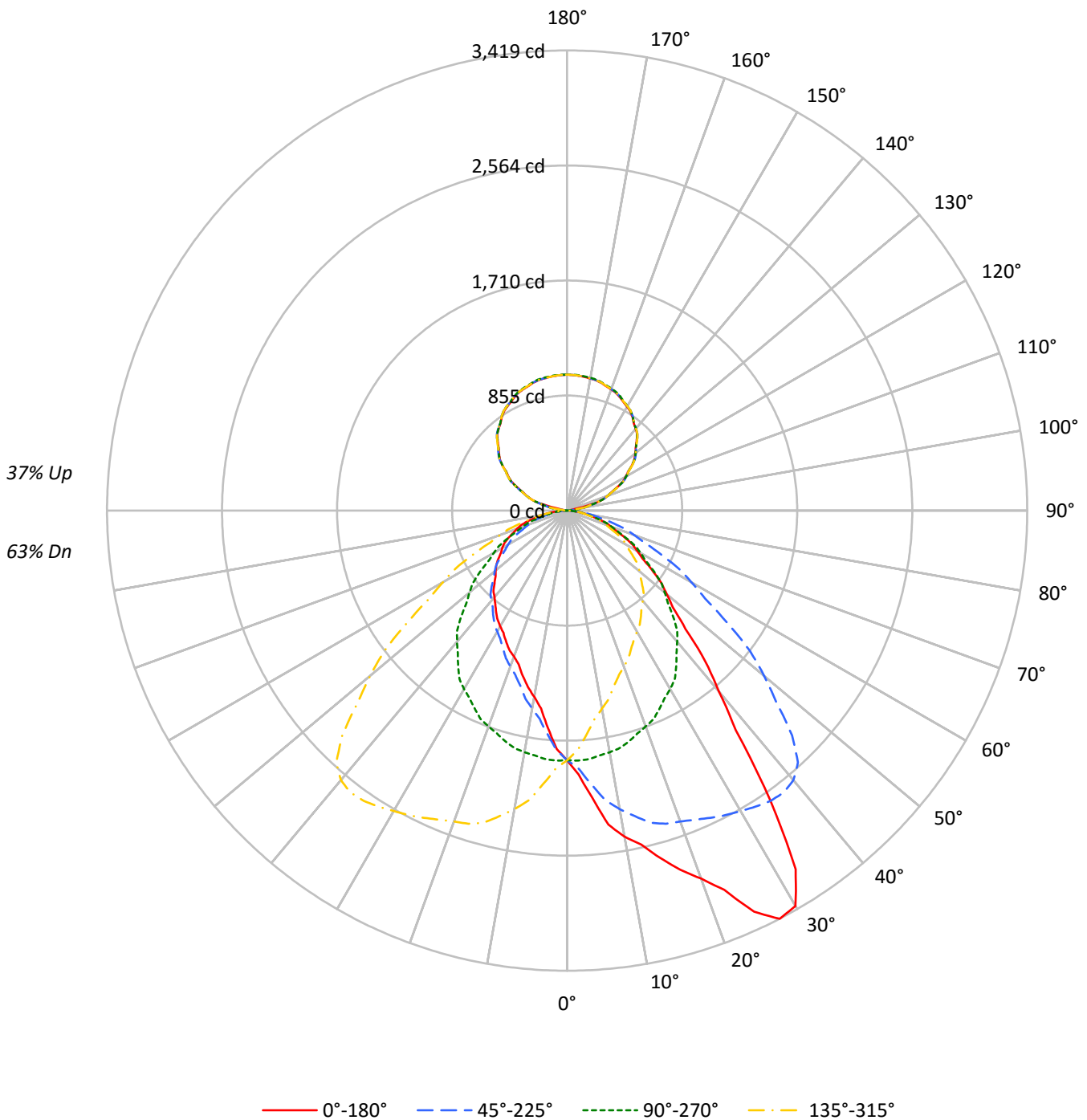
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	93	89	95	91	87	84	80	77	75	70	68	66	60	59	58	54
2	92	85	79	73	86	80	74	70	70	66	63	62	58	56	54	51	49	45
3	84	75	67	61	79	70	64	59	62	57	53	55	51	47	48	45	42	39
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	43	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	29
6	65	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18	17

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: P333466-840

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	2.1
10°-20°	531.6	6.4
20°-30°	863.2	10.4
30°-40°	1053.0	12.6
40°-50°	957.9	11.5
50°-60°	763.0	9.2
60°-70°	531.4	6.4
70°-80°	283.4	3.4
80°-90°	73.6	0.9
90°-100°	36.7	0.4
100°-110°	226.1	2.7
110°-120°	410.0	4.9
120°-130°	526.2	6.3
130°-140°	566.0	6.8
140°-150°	531.3	6.4
150°-160°	429.7	5.2
160°-170°	277.9	3.3
170°-180°	95.9	1.2
0°-30°	1573.4	18.9
0°-40°	2626.3	31.5
0°-60°	4347.2	52.2
0°-90°	5235.7	62.8
90°-120°	672.8	8.1
90°-150°	2296.2	27.5
90°-180°	3100.0	37.2
0°-180°	8335.4	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	60
90°	18	1	18	1	18	10
95°	16	43	16	43	16	13
105°	222	220	222	220	222	201
115°	410	413	410	413	410	407
125°	587	587	587	587	587	523
135°	730	733	730	733	730	563
145°	847	849	847	849	847	529
155°	929	935	929	935	929	428
165°	982	987	982	987	982	277
175°	1005	1010	1005	1010	1005	96
180°	1010	1010	1010	1010	1010	



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-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°	18.7	19.9	20.4	20.3	20.8	20.7	23.0	22.9	24.6	26.4	28.6
90°	18.0	17.5	17.0	16.5	16.0	15.2	14.4	13.6	12.8	12.0	10.8
92.5°	16.8	16.6	16.3	16.1	15.9	15.2	14.4	13.6	12.8	12.0	10.9
95°	15.8	15.8	15.8	15.8	15.8	15.2	14.4	13.6	12.8	12.0	18.3
97.5°	15.8	15.8	15.8	15.8	15.8	18.1	22.7	27.5	32.1	36.9	49.3
100°	15.8	16.4	17.1	17.7	18.4	31.1	55.8	80.7	105.4	130.2	129.6
102.5°	94.1	105.4	116.7	128.1	139.4	147.3	152.1	156.7	161.5	166.1	165.7
105°	222.3	222.4	222.6	222.8	222.9	223.0	223.0	223.0	223.0	223.0	223.0
107.5°	280.1	280.6	281.1	281.7	282.2	282.4	282.4	282.4	282.3	282.3	282.0
110°	320.2	320.1	319.9	319.7	319.6	319.7	320.2	320.7	321.2	321.7	321.4



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	356.2	356.4	356.7	356.9	357.1	357.5	358.2	358.8	359.4	360.1	359.9
115°	410.0	411.0	412.0	413.0	414.0	414.9	415.6	416.2	416.9	417.6	417.4
117.5°	467.6	468.0	468.4	468.8	469.3	469.9	470.8	471.6	472.5	473.3	472.7
120°	502.8	503.7	504.5	505.3	506.1	506.8	507.1	507.5	507.8	508.1	507.6
122.5°	536.3	537.3	538.3	539.3	540.2	540.9	541.2	541.5	541.9	542.2	542.0
125°	587.4	587.9	588.3	588.9	589.4	590.0	590.7	591.3	592.0	592.6	592.6
127.5°	630.4	631.6	632.8	634.0	635.3	636.1	636.4	636.8	637.1	637.5	637.6
130°	661.5	662.3	663.2	664.0	664.8	665.5	666.0	666.5	666.9	667.4	667.3
132.5°	690.2	691.1	691.9	692.7	693.6	694.0	694.1	694.2	694.3	694.4	694.8
135°	729.5	730.5	731.5	732.6	733.6	734.3	734.6	734.9	735.2	735.6	735.9
137.5°	769.1	769.9	770.8	771.6	772.5	773.0	772.8	772.8	772.7	772.6	773.0
140°	792.4	793.5	794.5	795.4	796.4	796.8	796.4	796.1	795.8	795.4	795.6
142.5°	814.6	815.6	816.6	817.6	818.6	819.0	819.0	818.9	818.8	818.8	818.5
145°	847.1	848.1	849.0	850.0	851.0	851.4	851.3	851.1	850.9	850.8	850.8
147.5°	873.8	875.0	876.3	877.5	878.6	879.1	878.9	878.7	878.5	878.3	878.1
150°	891.2	892.5	893.8	895.1	896.6	897.1	896.7	896.4	896.1	895.6	895.3
152.5°	907.4	908.6	909.8	910.9	912.1	912.6	912.2	911.9	911.6	911.2	910.9
155°	928.6	930.0	931.3	932.6	933.9	934.3	933.8	933.3	932.8	932.3	932.0
157.5°	946.4	947.8	949.1	950.4	951.7	952.1	951.6	951.1	950.6	950.0	950.0
160°	957.8	959.2	960.5	961.8	963.1	963.4	962.8	962.1	961.5	960.8	960.6
162.5°	968.0	969.5	970.9	972.4	973.8	974.1	973.1	972.2	971.3	970.4	970.2
165°	981.7	983.1	984.4	985.7	987.0	987.2	986.2	985.2	984.2	983.2	983.1
167.5°	991.3	992.8	994.3	995.8	997.3	997.4	996.2	995.0	993.8	992.7	992.5
170°	996.7	998.2	999.7	1001.2	1002.7	1002.8	1001.5	1000.1	998.8	997.4	997.2
172.5°	1000.3	1001.8	1003.3	1004.8	1006.2	1006.4	1005.2	1004.0	1002.8	1001.7	1001.4
175°	1004.9	1006.4	1007.9	1009.5	1010.9	1011.0	1009.7	1008.4	1007.0	1005.7	1005.5
177.5°	1007.6	1008.7	1009.8	1010.8	1011.9	1012.0	1011.0	1010.1	1009.2	1008.2	1008.0
180°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-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°	29.6	28.2	25.3	23.2	19.8	17.7	16.8	17.2	15.6	15.1	16.1
90°	9.7	8.5	7.3	6.1	4.7	3.4	2.1	0.7	2.1	3.4	4.7
92.5°	9.9	8.9	7.9	7.8	8.7	9.7	10.6	11.5	10.6	9.7	8.7
95°	24.6	30.9	37.3	40.7	41.2	41.6	42.1	42.6	42.1	41.6	41.2
97.5°	61.8	74.3	86.8	92.6	91.7	90.9	90.0	89.1	90.0	90.9	91.7
100°	128.9	128.3	127.5	126.9	126.4	125.9	125.4	124.9	125.4	125.9	126.4
102.5°	165.3	164.9	164.5	164.0	163.4	162.8	162.1	161.5	162.1	162.8	163.4
105°	223.0	223.0	223.0	222.7	222.0	221.4	220.7	219.9	220.7	221.4	222.0
107.5°	281.6	281.2	280.9	280.7	280.7	280.7	280.7	280.7	280.7	280.7	280.7
110°	321.1	320.7	320.4	320.2	320.2	320.2	320.2	320.2	320.2	320.2	320.2



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	359.7	359.5	359.3	359.0	358.6	358.2	357.8	357.4	357.8	358.2	358.6
115°	417.2	417.1	416.9	416.4	415.6	414.8	413.8	413.0	413.8	414.8	415.6
117.5°	472.1	471.5	470.8	470.5	470.6	470.6	470.6	470.7	470.6	470.6	470.6
120°	507.1	506.5	506.0	505.9	506.0	506.2	506.4	506.5	506.4	506.2	506.0
122.5°	541.7	541.5	541.3	540.9	540.2	539.6	539.0	538.3	539.0	539.6	540.2
125°	592.6	592.6	592.6	592.1	590.9	589.8	588.5	587.4	588.5	589.8	590.9
127.5°	637.7	637.8	637.9	637.5	636.7	635.9	635.1	634.2	635.1	635.9	636.7
130°	667.1	666.9	666.8	666.3	665.5	664.6	663.8	663.0	663.8	664.6	665.5
132.5°	695.1	695.5	695.9	695.6	694.6	693.7	692.7	691.7	692.7	693.7	694.6
135°	736.2	736.6	736.9	736.6	735.6	734.6	733.6	732.6	733.6	734.6	735.6
137.5°	773.3	773.6	773.9	773.6	772.7	771.8	771.0	770.1	771.0	771.8	772.7
140°	795.8	795.9	796.1	796.0	795.7	795.4	795.0	794.7	795.0	795.4	795.7
142.5°	818.3	818.1	817.8	817.6	817.4	817.2	817.0	816.8	817.0	817.2	817.4
145°	850.8	850.8	850.8	850.6	850.3	850.0	849.6	849.3	849.6	850.0	850.3
147.5°	877.9	877.8	877.6	877.5	877.6	877.6	877.7	877.8	877.7	877.6	877.6
150°	895.0	894.6	894.3	894.3	894.6	895.0	895.3	895.6	895.3	895.0	894.6
152.5°	910.6	910.3	909.9	910.1	910.9	911.6	912.3	913.0	912.3	911.6	910.9
155°	931.7	931.4	931.0	931.4	932.3	933.3	934.3	935.3	934.3	933.3	932.3
157.5°	950.0	949.9	949.9	950.2	950.8	951.4	952.0	952.5	952.0	951.4	950.8
160°	960.5	960.3	960.1	960.6	961.5	962.5	963.5	964.5	963.5	962.5	961.5
162.5°	970.1	969.9	969.7	970.1	971.1	972.1	973.1	974.1	973.1	972.1	971.1
165°	982.9	982.7	982.6	983.0	984.0	985.0	985.9	986.9	985.9	985.0	984.0
167.5°	992.3	992.2	992.0	992.4	993.5	994.5	995.5	996.5	995.5	994.5	993.5
170°	997.1	996.9	996.7	997.2	998.5	999.6	1000.8	1002.0	1000.8	999.6	998.5
172.5°	1001.1	1000.8	1000.5	1000.9	1002.0	1003.2	1004.4	1005.5	1004.4	1003.2	1002.0
175°	1005.3	1005.2	1005.0	1005.4	1006.4	1007.4	1008.5	1009.5	1008.5	1007.4	1006.4
177.5°	1007.9	1007.8	1007.6	1008.0	1008.9	1009.7	1010.4	1011.2	1010.4	1009.7	1008.9
180°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-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°	17.0	18.5	18.1	18.9	19.2	20.7	20.2	22.9	24.3	25.8	25.2
90°	6.1	7.3	8.5	9.7	10.8	12.0	12.8	13.6	14.4	15.2	16.0
92.5°	7.8	7.9	8.9	9.9	10.9	12.0	12.8	13.6	14.4	15.2	15.9
95°	40.7	37.3	30.9	24.6	18.3	12.0	12.8	13.6	14.4	15.2	15.8
97.5°	92.6	86.8	74.3	61.8	49.3	36.9	32.1	27.5	22.7	18.1	15.8
100°	126.9	127.5	128.3	128.9	129.6	130.2	105.4	80.7	55.8	31.1	18.4
102.5°	164.0	164.5	164.9	165.3	165.7	166.1	161.5	156.7	152.1	147.3	139.4
105°	222.7	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	223.0	222.9
107.5°	280.7	280.9	281.2	281.6	282.0	282.3	282.3	282.4	282.4	282.4	282.2
110°	320.2	320.4	320.7	321.1	321.4	321.7	321.2	320.7	320.2	319.7	319.6



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	359.0	359.3	359.5	359.7	359.9	360.1	359.4	358.8	358.2	357.5	357.1
115°	416.4	416.9	417.1	417.2	417.4	417.6	416.9	416.2	415.6	414.9	414.0
117.5°	470.5	470.8	471.5	472.1	472.7	473.3	472.5	471.6	470.8	469.9	469.3
120°	505.9	506.0	506.5	507.1	507.6	508.1	507.8	507.5	507.1	506.8	506.1
122.5°	540.9	541.3	541.5	541.7	542.0	542.2	541.9	541.5	541.2	540.9	540.2
125°	592.1	592.6	592.6	592.6	592.6	592.6	592.0	591.3	590.7	590.0	589.4
127.5°	637.5	637.9	637.8	637.7	637.6	637.5	637.1	636.8	636.4	636.1	635.3
130°	666.3	666.8	666.9	667.1	667.3	667.4	666.9	666.5	666.0	665.5	664.8
132.5°	695.6	695.9	695.5	695.1	694.8	694.4	694.3	694.2	694.1	694.0	693.6
135°	736.6	736.9	736.6	736.2	735.9	735.6	735.2	734.9	734.6	734.3	733.6
137.5°	773.6	773.9	773.6	773.3	773.0	772.6	772.7	772.8	772.8	773.0	772.5
140°	796.0	796.1	795.9	795.8	795.6	795.4	795.8	796.1	796.4	796.8	796.4
142.5°	817.6	817.8	818.1	818.3	818.5	818.8	818.8	818.9	819.0	819.0	818.6
145°	850.6	850.8	850.8	850.8	850.8	850.8	850.9	851.1	851.3	851.4	851.0
147.5°	877.5	877.6	877.8	877.9	878.1	878.3	878.5	878.7	878.9	879.1	878.6
150°	894.3	894.3	894.6	895.0	895.3	895.6	896.1	896.4	896.7	897.1	896.6
152.5°	910.1	909.9	910.3	910.6	910.9	911.2	911.6	911.9	912.2	912.6	912.1
155°	931.4	931.0	931.4	931.7	932.0	932.3	932.8	933.3	933.8	934.3	933.9
157.5°	950.2	949.9	949.9	950.0	950.0	950.0	950.6	951.1	951.6	952.1	951.7
160°	960.6	960.1	960.3	960.5	960.6	960.8	961.5	962.1	962.8	963.4	963.1
162.5°	970.1	969.7	969.9	970.1	970.2	970.4	971.3	972.2	973.1	974.1	973.8
165°	983.0	982.6	982.7	982.9	983.1	983.2	984.2	985.2	986.2	987.2	987.0
167.5°	992.4	992.0	992.2	992.3	992.5	992.7	993.8	995.0	996.2	997.4	997.3
170°	997.2	996.7	996.9	997.1	997.2	997.4	998.8	1000.1	1001.5	1002.8	1002.7
172.5°	1000.9	1000.5	1000.8	1001.1	1001.4	1001.7	1002.8	1004.0	1005.2	1006.4	1006.2
175°	1005.4	1005.0	1005.2	1005.3	1005.5	1005.7	1007.0	1008.4	1009.7	1011.0	1010.9
177.5°	1008.0	1007.6	1007.8	1007.9	1008.0	1008.2	1009.2	1010.1	1011.0	1012.0	1011.9
180°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-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°	26.6	26.1	26.2	27.6	26.2	26.1	26.6	25.2	25.8	24.3	22.9
90°	16.5	17.0	17.5	18.0	17.5	17.0	16.5	16.0	15.2	14.4	13.6
92.5°	16.1	16.3	16.6	16.8	16.6	16.3	16.1	15.9	15.2	14.4	13.6
95°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.2	14.4	13.6
97.5°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	18.1	22.7	27.5
100°	17.7	17.1	16.4	15.8	16.4	17.1	17.7	18.4	31.1	55.8	80.7
102.5°	128.1	116.7	105.4	94.1	105.4	116.7	128.1	139.4	147.3	152.1	156.7
105°	222.8	222.6	222.4	222.3	222.4	222.6	222.8	222.9	223.0	223.0	223.0
107.5°	281.7	281.1	280.6	280.1	280.6	281.1	281.7	282.2	282.4	282.4	282.4
110°	319.7	319.9	320.1	320.2	320.1	319.9	319.7	319.6	319.7	320.2	320.7



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	356.9	356.7	356.4	356.2	356.4	356.7	356.9	357.1	357.5	358.2	358.8
115°	413.0	412.0	411.0	410.0	411.0	412.0	413.0	414.0	414.9	415.6	416.2
117.5°	468.8	468.4	468.0	467.6	468.0	468.4	468.8	469.3	469.9	470.8	471.6
120°	505.3	504.5	503.7	502.8	503.7	504.5	505.3	506.1	506.8	507.1	507.5
122.5°	539.3	538.3	537.3	536.3	537.3	538.3	539.3	540.2	540.9	541.2	541.5
125°	588.9	588.3	587.9	587.4	587.9	588.3	588.9	589.4	590.0	590.7	591.3
127.5°	634.0	632.8	631.6	630.4	631.6	632.8	634.0	635.3	636.1	636.4	636.8
130°	664.0	663.2	662.3	661.5	662.3	663.2	664.0	664.8	665.5	666.0	666.5
132.5°	692.7	691.9	691.1	690.2	691.1	691.9	692.7	693.6	694.0	694.1	694.2
135°	732.6	731.5	730.5	729.5	730.5	731.5	732.6	733.6	734.3	734.6	734.9
137.5°	771.6	770.8	769.9	769.1	769.9	770.8	771.6	772.5	773.0	772.8	772.8
140°	795.4	794.5	793.5	792.4	793.5	794.5	795.4	796.4	796.8	796.4	796.1
142.5°	817.6	816.6	815.6	814.6	815.6	816.6	817.6	818.6	819.0	819.0	818.9
145°	850.0	849.0	848.1	847.1	848.1	849.0	850.0	851.0	851.4	851.3	851.1
147.5°	877.5	876.3	875.0	873.8	875.0	876.3	877.5	878.6	879.1	878.9	878.7
150°	895.1	893.8	892.5	891.2	892.5	893.8	895.1	896.6	897.1	896.7	896.4
152.5°	910.9	909.8	908.6	907.4	908.6	909.8	910.9	912.1	912.6	912.2	911.9
155°	932.6	931.3	930.0	928.6	930.0	931.3	932.6	933.9	934.3	933.8	933.3
157.5°	950.4	949.1	947.8	946.4	947.8	949.1	950.4	951.7	952.1	951.6	951.1
160°	961.8	960.5	959.2	957.8	959.2	960.5	961.8	963.1	963.4	962.8	962.1
162.5°	972.4	970.9	969.5	968.0	969.5	970.9	972.4	973.8	974.1	973.1	972.2
165°	985.7	984.4	983.1	981.7	983.1	984.4	985.7	987.0	987.2	986.2	985.2
167.5°	995.8	994.3	992.8	991.3	992.8	994.3	995.8	997.3	997.4	996.2	995.0
170°	1001.2	999.7	998.2	996.7	998.2	999.7	1001.2	1002.7	1002.8	1001.5	1000.1
172.5°	1004.8	1003.3	1001.8	1000.3	1001.8	1003.3	1004.8	1006.2	1006.4	1005.2	1004.0
175°	1009.5	1007.9	1006.4	1004.9	1006.4	1007.9	1009.5	1010.9	1011.0	1009.7	1008.4
177.5°	1010.8	1009.8	1008.7	1007.6	1008.7	1009.8	1010.8	1011.9	1012.0	1011.0	1010.1
180°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-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°	20.2	20.7	19.2	18.9	18.1	18.5	17.0	16.1	15.1	15.6	17.2
90°	12.8	12.0	10.8	9.7	8.5	7.3	6.1	4.7	3.4	2.1	0.7
92.5°	12.8	12.0	10.9	9.9	8.9	7.9	7.8	8.7	9.7	10.6	11.5
95°	12.8	12.0	18.3	24.6	30.9	37.3	40.7	41.2	41.6	42.1	42.6
97.5°	32.1	36.9	49.3	61.8	74.3	86.8	92.6	91.7	90.9	90.0	89.1
100°	105.4	130.2	129.6	128.9	128.3	127.5	126.9	126.4	125.9	125.4	124.9
102.5°	161.5	166.1	165.7	165.3	164.9	164.5	164.0	163.4	162.8	162.1	161.5
105°	223.0	223.0	223.0	223.0	223.0	223.0	222.7	222.0	221.4	220.7	219.9
107.5°	282.3	282.3	282.0	281.6	281.2	280.9	280.7	280.7	280.7	280.7	280.7
110°	321.2	321.7	321.4	321.1	320.7	320.4	320.2	320.2	320.2	320.2	320.2



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	359.4	360.1	359.9	359.7	359.5	359.3	359.0	358.6	358.2	357.8	357.4
115°	416.9	417.6	417.4	417.2	417.1	416.9	416.4	415.6	414.8	413.8	413.0
117.5°	472.5	473.3	472.7	472.1	471.5	470.8	470.5	470.6	470.6	470.6	470.7
120°	507.8	508.1	507.6	507.1	506.5	506.0	505.9	506.0	506.2	506.4	506.5
122.5°	541.9	542.2	542.0	541.7	541.5	541.3	540.9	540.2	539.6	539.0	538.3
125°	592.0	592.6	592.6	592.6	592.6	592.6	592.1	590.9	589.8	588.5	587.4
127.5°	637.1	637.5	637.6	637.7	637.8	637.9	637.5	636.7	635.9	635.1	634.2
130°	666.9	667.4	667.3	667.1	666.9	666.8	666.3	665.5	664.6	663.8	663.0
132.5°	694.3	694.4	694.8	695.1	695.5	695.9	695.6	694.6	693.7	692.7	691.7
135°	735.2	735.6	735.9	736.2	736.6	736.9	736.6	735.6	734.6	733.6	732.6
137.5°	772.7	772.6	773.0	773.3	773.6	773.9	773.6	772.7	771.8	771.0	770.1
140°	795.8	795.4	795.6	795.8	795.9	796.1	796.0	795.7	795.4	795.0	794.7
142.5°	818.8	818.8	818.5	818.3	818.1	817.8	817.6	817.4	817.2	817.0	816.8
145°	850.9	850.8	850.8	850.8	850.8	850.8	850.6	850.3	850.0	849.6	849.3
147.5°	878.5	878.3	878.1	877.9	877.8	877.6	877.5	877.6	877.6	877.7	877.8
150°	896.1	895.6	895.3	895.0	894.6	894.3	894.3	894.6	895.0	895.3	895.6
152.5°	911.6	911.2	910.9	910.6	910.3	909.9	910.1	910.9	911.6	912.3	913.0
155°	932.8	932.3	932.0	931.7	931.4	931.0	931.4	932.3	933.3	934.3	935.3
157.5°	950.6	950.0	950.0	950.0	949.9	949.9	950.2	950.8	951.4	952.0	952.5
160°	961.5	960.8	960.6	960.5	960.3	960.1	960.6	961.5	962.5	963.5	964.5
162.5°	971.3	970.4	970.2	970.1	969.9	969.7	970.1	971.1	972.1	973.1	974.1
165°	984.2	983.2	983.1	982.9	982.7	982.6	983.0	984.0	985.0	985.9	986.9
167.5°	993.8	992.7	992.5	992.3	992.2	992.0	992.4	993.5	994.5	995.5	996.5
170°	998.8	997.4	997.2	997.1	996.9	996.7	997.2	998.5	999.6	1000.8	1002.0
172.5°	1002.8	1001.7	1001.4	1001.1	1000.8	1000.5	1000.9	1002.0	1003.2	1004.4	1005.5
175°	1007.0	1005.7	1005.5	1005.3	1005.2	1005.0	1005.4	1006.4	1007.4	1008.5	1009.5
177.5°	1009.2	1008.2	1008.0	1007.9	1007.8	1007.6	1008.0	1008.9	1009.7	1010.4	1011.2
180°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-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°	16.8	17.7	19.8	23.2	25.3	28.2	29.6	28.6	26.4	24.6	22.9
90°	2.1	3.4	4.7	6.1	7.3	8.5	9.7	10.8	12.0	12.8	13.6
92.5°	10.6	9.7	8.7	7.8	7.9	8.9	9.9	10.9	12.0	12.8	13.6
95°	42.1	41.6	41.2	40.7	37.3	30.9	24.6	18.3	12.0	12.8	13.6
97.5°	90.0	90.9	91.7	92.6	86.8	74.3	61.8	49.3	36.9	32.1	27.5
100°	125.4	125.9	126.4	126.9	127.5	128.3	128.9	129.6	130.2	105.4	80.7
102.5°	162.1	162.8	163.4	164.0	164.5	164.9	165.3	165.7	166.1	161.5	156.7
105°	220.7	221.4	222.0	222.7	223.0	223.0	223.0	223.0	223.0	223.0	223.0
107.5°	280.7	280.7	280.7	280.7	280.9	281.2	281.6	282.0	282.3	282.3	282.4
110°	320.2	320.2	320.2	320.2	320.4	320.7	321.1	321.4	321.7	321.2	320.7



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	357.8	358.2	358.6	359.0	359.3	359.5	359.7	359.9	360.1	359.4	358.8
115°	413.8	414.8	415.6	416.4	416.9	417.1	417.2	417.4	417.6	416.9	416.2
117.5°	470.6	470.6	470.6	470.5	470.8	471.5	472.1	472.7	473.3	472.5	471.6
120°	506.4	506.2	506.0	505.9	506.0	506.5	507.1	507.6	508.1	507.8	507.5
122.5°	539.0	539.6	540.2	540.9	541.3	541.5	541.7	542.0	542.2	541.9	541.5
125°	588.5	589.8	590.9	592.1	592.6	592.6	592.6	592.6	592.6	592.0	591.3
127.5°	635.1	635.9	636.7	637.5	637.9	637.8	637.7	637.6	637.5	637.1	636.8
130°	663.8	664.6	665.5	666.3	666.8	666.9	667.1	667.3	667.4	666.9	666.5
132.5°	692.7	693.7	694.6	695.6	695.9	695.5	695.1	694.8	694.4	694.3	694.2
135°	733.6	734.6	735.6	736.6	736.9	736.6	736.2	735.9	735.6	735.2	734.9
137.5°	771.0	771.8	772.7	773.6	773.9	773.6	773.3	773.0	772.6	772.7	772.8
140°	795.0	795.4	795.7	796.0	796.1	795.9	795.8	795.6	795.4	795.8	796.1
142.5°	817.0	817.2	817.4	817.6	817.8	818.1	818.3	818.5	818.8	818.8	818.9
145°	849.6	850.0	850.3	850.6	850.8	850.8	850.8	850.8	850.8	850.9	851.1
147.5°	877.7	877.6	877.6	877.5	877.6	877.8	877.9	878.1	878.3	878.5	878.7
150°	895.3	895.0	894.6	894.3	894.3	894.6	895.0	895.3	895.6	896.1	896.4
152.5°	912.3	911.6	910.9	910.1	909.9	910.3	910.6	910.9	911.2	911.6	911.9
155°	934.3	933.3	932.3	931.4	931.0	931.4	931.7	932.0	932.3	932.8	933.3
157.5°	952.0	951.4	950.8	950.2	949.9	949.9	950.0	950.0	950.0	950.6	951.1
160°	963.5	962.5	961.5	960.6	960.1	960.3	960.5	960.6	960.8	961.5	962.1
162.5°	973.1	972.1	971.1	970.1	969.7	969.9	970.1	970.2	970.4	971.3	972.2
165°	985.9	985.0	984.0	983.0	982.6	982.7	982.9	983.1	983.2	984.2	985.2
167.5°	995.5	994.5	993.5	992.4	992.0	992.2	992.3	992.5	992.7	993.8	995.0
170°	1000.8	999.6	998.5	997.2	996.7	996.9	997.1	997.2	997.4	998.8	1000.1
172.5°	1004.4	1003.2	1002.0	1000.9	1000.5	1000.8	1001.1	1001.4	1001.7	1002.8	1004.0
175°	1008.5	1007.4	1006.4	1005.4	1005.0	1005.2	1005.3	1005.5	1005.7	1007.0	1008.4
177.5°	1010.4	1009.7	1008.9	1008.0	1007.6	1007.8	1007.9	1008.0	1008.2	1009.2	1010.1
180°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-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°	23.0	20.7	20.8	20.3	20.4	19.9	18.7
90°	14.4	15.2	16.0	16.5	17.0	17.5	18.0
92.5°	14.4	15.2	15.9	16.1	16.3	16.6	16.8
95°	14.4	15.2	15.8	15.8	15.8	15.8	15.8
97.5°	22.7	18.1	15.8	15.8	15.8	15.8	15.8
100°	55.8	31.1	18.4	17.7	17.1	16.4	15.8
102.5°	152.1	147.3	139.4	128.1	116.7	105.4	94.1
105°	223.0	223.0	222.9	222.8	222.6	222.4	222.3
107.5°	282.4	282.4	282.2	281.7	281.1	280.6	280.1
110°	320.2	319.7	319.6	319.7	319.9	320.1	320.2



TEST NUMBER: P333466-840

CATALOG NUMBER: S125DIW-S1270D770U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	358.2	357.5	357.1	356.9	356.7	356.4	356.2
115°	415.6	414.9	414.0	413.0	412.0	411.0	410.0
117.5°	470.8	469.9	469.3	468.8	468.4	468.0	467.6
120°	507.1	506.8	506.1	505.3	504.5	503.7	502.8
122.5°	541.2	540.9	540.2	539.3	538.3	537.3	536.3
125°	590.7	590.0	589.4	588.9	588.3	587.9	587.4
127.5°	636.4	636.1	635.3	634.0	632.8	631.6	630.4
130°	666.0	665.5	664.8	664.0	663.2	662.3	661.5
132.5°	694.1	694.0	693.6	692.7	691.9	691.1	690.2
135°	734.6	734.3	733.6	732.6	731.5	730.5	729.5
137.5°	772.8	773.0	772.5	771.6	770.8	769.9	769.1
140°	796.4	796.8	796.4	795.4	794.5	793.5	792.4
142.5°	819.0	819.0	818.6	817.6	816.6	815.6	814.6
145°	851.3	851.4	851.0	850.0	849.0	848.1	847.1
147.5°	878.9	879.1	878.6	877.5	876.3	875.0	873.8
150°	896.7	897.1	896.6	895.1	893.8	892.5	891.2
152.5°	912.2	912.6	912.1	910.9	909.8	908.6	907.4
155°	933.8	934.3	933.9	932.6	931.3	930.0	928.6
157.5°	951.6	952.1	951.7	950.4	949.1	947.8	946.4
160°	962.8	963.4	963.1	961.8	960.5	959.2	957.8
162.5°	973.1	974.1	973.8	972.4	970.9	969.5	968.0
165°	986.2	987.2	987.0	985.7	984.4	983.1	981.7
167.5°	996.2	997.4	997.3	995.8	994.3	992.8	991.3
170°	1001.5	1002.8	1002.7	1001.2	999.7	998.2	996.7
172.5°	1005.2	1006.4	1006.2	1004.8	1003.3	1001.8	1000.3
175°	1009.7	1011.0	1010.9	1009.5	1007.9	1006.4	1004.9
177.5°	1011.0	1012.0	1011.9	1010.8	1009.8	1008.7	1007.6
180°	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5	1009.5

(END OF REPORT)