

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: P333460-935

Luminaire Tested: **S125DIW-S1270D470U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333460-935  
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-S1270D470U935-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6076.7 lumens  
Efficiency: N/A  
Efficacy: 116.0 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

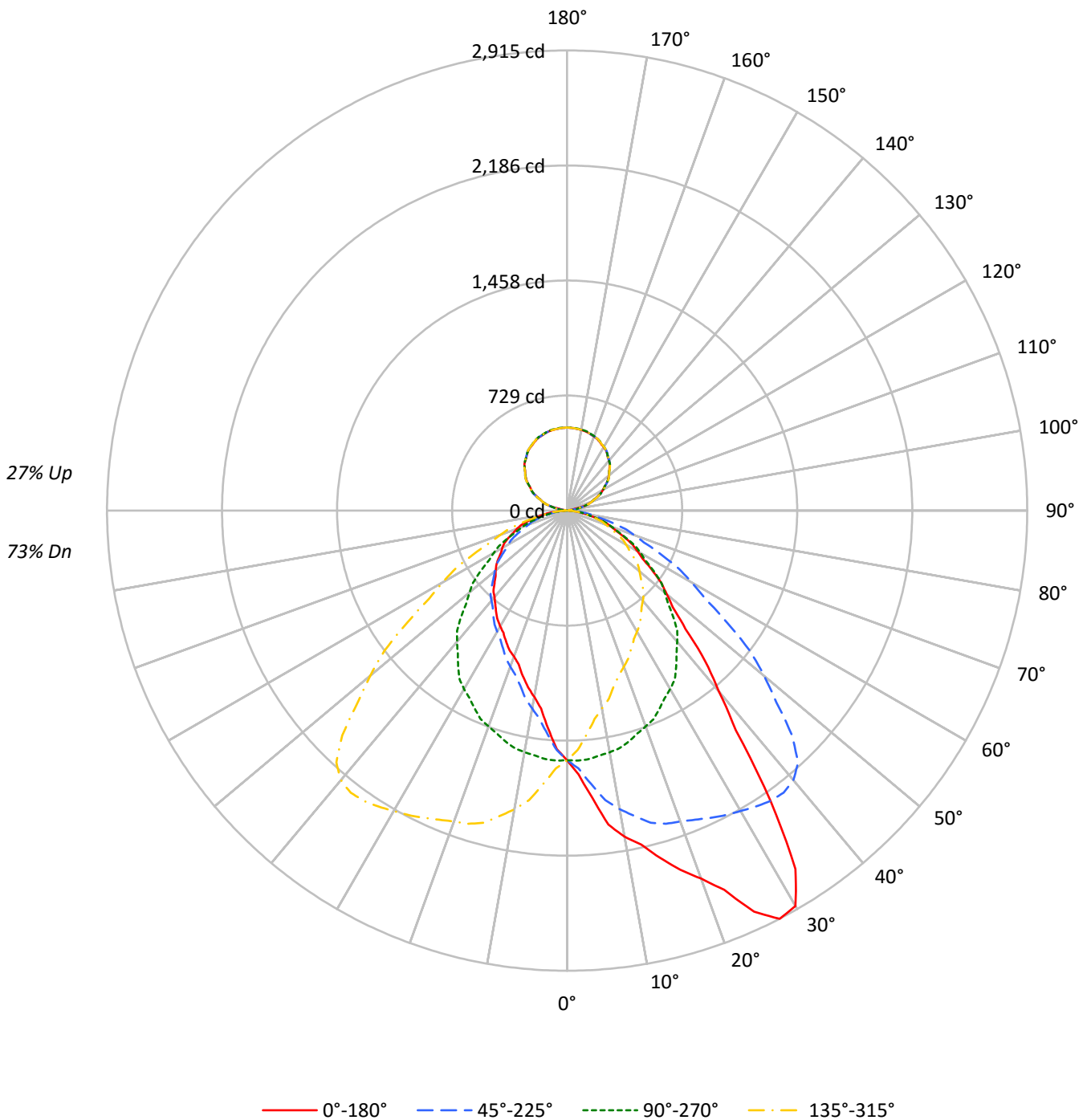
Input Watts (W): 52.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78	73
1	103	99	95	92	98	94	91	88	85	83	80	77	75	73	69	68	66	63
2	94	87	81	75	89	83	77	72	75	71	67	68	64	61	61	59	56	53
3	86	77	69	63	82	73	66	61	66	61	57	60	56	52	55	51	48	45
4	79	68	60	54	75	65	58	52	59	53	49	54	49	45	49	45	42	39
5	73	61	53	46	69	58	51	45	53	47	42	49	43	39	44	40	37	34
6	67	55	46	40	64	52	45	39	48	42	37	44	39	35	40	36	32	30
7	62	50	41	36	59	48	40	35	44	37	33	40	35	31	37	32	29	26
8	58	45	37	32	55	43	36	31	40	34	29	37	31	27	34	29	26	24
9	54	41	34	28	51	40	33	28	37	31	26	34	29	25	31	27	23	21
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	29	24	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	10213	10213	10213	10213
5°	11826	10247	8972	10247
10°	13759	10194	7861	10194
15°	15230	10120	7252	10120
20°	17049	10001	6763	10001
25°	19973	9867	6524	9867
30°	21572	9735	6317	9735
35°	17738	9488	6180	9488
40°	12607	9144	6032	9144
45°	9685	8680	5946	8680
50°	8268	8106	5934	8106
55°	7362	7543	5986	7543
60°	6640	6926	6138	6926
65°	6134	6308	6298	6308
70°	5576	5665	6388	5665
75°	4923	4991	6331	4991
80°	4143	4069	5791	4069
85°	3283	2934	4676	2934



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.2	2.5
10°-20°	453.2	7.5
20°-30°	736.0	12.1
30°-40°	897.7	14.8
40°-50°	816.7	13.4
50°-60°	650.5	10.7
60°-70°	453.1	7.5
70°-80°	241.6	4.0
80°-90°	62.1	1.0
90°-100°	19.1	0.3
100°-110°	117.7	1.9
110°-120°	213.4	3.5
120°-130°	273.9	4.5
130°-140°	294.6	4.8
140°-150°	276.5	4.6
150°-160°	223.7	3.7
160°-170°	144.7	2.4
170°-180°	49.9	0.8
0°-30°	1341.4	22.1
0°-40°	2239.2	36.8
0°-60°	3706.4	61.0
0°-90°	4463.2	73.4
90°-120°	350.2	5.8
90°-150°	1195.3	19.7
90°-180°	1614.0	26.6
0°-180°	6076.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1581	1581	1581	1581	1581	
5°	1824	1581	1384	1581	1824	184
15°	2278	1514	1085	1514	2278	652
25°	2803	1385	916	1385	2803	1280
35°	2250	1203	784	1203	2250	1377
45°	1060	950	651	950	1060	849
55°	654	670	532	670	654	589
65°	401	413	412	413	401	398
75°	197	200	254	200	197	212
85°	44	40	63	40	44	51
90°	9	0	9	0	9	6
95°	8	22	8	22	8	7
105°	116	114	116	114	116	105
115°	213	215	213	215	213	212
125°	306	306	306	306	306	272
135°	380	381	380	381	380	293
145°	441	442	441	442	441	275
155°	483	487	483	487	483	223
165°	511	514	511	514	511	144
175°	523	526	523	526	523	50
180°	526	526	526	526	526	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1672.6	1670.4	1668.3	1664.0	1667.2	1658.0	1653.7	1646.2	1637.1	1633.9	1630.1
5°	1824.2	1827.6	1830.9	1816.9	1818.2	1808.8	1787.3	1769.9	1755.8	1737.7	1724.9
7.5°	2006.8	1998.9	1998.2	1989.1	1973.4	1960.8	1938.2	1909.4	1881.7	1850.0	1823.9
10°	2098.1	2098.8	2092.7	2082.0	2065.2	2053.1	2023.6	1995.4	1961.2	1920.9	1892.0
12.5°	2166.8	2169.6	2162.0	2147.5	2139.2	2112.2	2089.0	2055.6	2014.8	1982.6	1938.7
15°	2277.9	2270.5	2265.2	2247.0	2233.0	2204.8	2167.9	2133.0	2088.7	2047.7	2006.8
17.5°	2385.1	2391.0	2380.9	2364.4	2320.7	2287.8	2238.3	2190.4	2135.3	2080.3	2031.5
20°	2480.6	2486.1	2470.6	2441.7	2389.4	2356.5	2291.4	2229.6	2165.8	2095.4	2041.7
22.5°	2599.9	2595.6	2574.7	2530.8	2485.4	2424.7	2354.2	2279.0	2199.2	2119.5	2048.1
25°	2802.8	2774.6	2761.8	2707.5	2647.7	2558.5	2461.9	2351.7	2252.5	2147.1	2055.8
27.5°	2915.3	2906.4	2892.2	2854.4	2791.5	2696.0	2582.1	2448.0	2307.9	2174.9	2055.4
30°	2892.7	2894.1	2895.5	2883.3	2843.1	2771.2	2657.8	2513.5	2347.1	2197.4	2059.2
32.5°	2693.0	2717.4	2740.8	2768.5	2779.7	2765.9	2694.8	2564.6	2393.2	2223.2	2057.0
35°	2249.8	2257.1	2333.0	2408.1	2510.2	2589.4	2642.4	2584.6	2440.3	2245.1	2054.4
37.5°	1754.2	1790.4	1842.9	1927.9	2075.1	2206.9	2376.4	2454.5	2407.9	2252.2	2049.8
40°	1495.4	1529.0	1563.1	1649.8	1773.9	1933.6	2126.2	2290.7	2328.9	2229.6	2033.7
42.5°	1295.6	1322.2	1360.2	1425.3	1529.0	1670.5	1854.6	2069.5	2201.7	2164.1	1999.8
45°	1060.4	1077.2	1106.7	1158.5	1233.6	1344.4	1506.8	1741.7	1946.4	2014.1	1919.5
47.5°	907.7	907.6	930.5	966.2	1020.5	1114.6	1234.7	1418.8	1637.4	1799.1	1791.7
50°	822.9	819.5	837.6	868.5	911.5	973.9	1088.6	1235.6	1445.7	1628.9	1679.9
52.5°	749.8	750.2	761.4	784.2	820.2	873.5	959.2	1091.7	1271.2	1459.2	1555.4
55°	653.8	651.0	663.7	679.2	705.4	740.3	802.0	903.4	1049.0	1234.2	1359.1
57.5°	565.7	573.1	578.2	588.9	610.6	634.0	686.0	760.4	876.0	1034.9	1166.9
60°	514.1	521.5	525.6	536.2	553.7	573.9	614.2	674.5	771.9	908.8	1039.7
62.5°	468.0	473.7	475.0	484.7	498.9	518.6	550.3	601.0	677.9	797.6	925.8
65°	401.4	401.4	404.1	414.1	420.9	438.2	462.4	499.4	561.1	654.4	763.8
67.5°	337.2	340.4	339.8	344.1	350.3	363.9	381.3	411.7	457.4	525.6	613.0
70°	295.3	298.0	297.3	300.7	307.4	316.2	330.2	359.0	391.9	450.4	525.6
72.5°	257.7	258.8	257.1	261.5	265.5	273.2	288.9	304.3	335.0	384.4	446.1
75°	197.3	198.6	200.0	202.7	206.7	210.8	218.8	234.3	254.3	291.3	330.9
77.5°	147.9	145.3	148.6	148.2	150.5	153.6	160.7	168.8	185.4	208.7	239.4
80°	111.4	112.1	112.1	112.8	116.1	118.1	124.2	130.2	142.9	160.4	181.9
82.5°	81.4	83.1	82.1	83.3	86.0	87.5	90.8	95.8	103.2	116.9	132.5
85°	44.3	41.0	42.3	43.7	43.7	44.3	47.0	49.0	53.0	58.4	64.4
87.5°	14.7	15.8	16.3	16.2	16.7	16.6	18.7	18.6	20.1	21.6	23.7
90°	9.4	9.1	8.9	8.6	8.4	7.9	7.5	7.1	6.6	6.2	5.6
92.5°	8.7	8.6	8.5	8.4	8.3	7.9	7.5	7.1	6.6	6.2	5.7
95°	8.2	8.2	8.2	8.2	8.2	7.9	7.5	7.1	6.6	6.2	9.6
97.5°	8.2	8.2	8.2	8.2	8.2	9.4	11.9	14.3	16.7	19.2	25.7
100°	8.2	8.5	8.9	9.2	9.6	16.2	29.1	42.0	54.8	67.8	67.4
102.5°	49.0	54.8	60.8	66.6	72.6	76.7	79.1	81.6	84.0	86.4	86.3
105°	115.7	115.8	115.9	116.0	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	145.9	146.1	146.4	146.6	146.9	147.0	147.0	147.0	147.0	146.9	146.7
110°	166.7	166.6	166.5	166.4	166.3	166.4	166.7	166.9	167.2	167.5	167.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	185.4	185.5	185.6	185.8	185.9	186.1	186.4	186.8	187.1	187.4	187.4
115°	213.4	214.0	214.5	215.0	215.5	215.9	216.3	216.6	217.0	217.3	217.2
117.5°	243.4	243.6	243.8	244.0	244.3	244.6	245.0	245.5	246.0	246.4	246.1
120°	261.7	262.2	262.6	263.0	263.5	263.8	264.0	264.2	264.3	264.5	264.2
122.5°	279.2	279.7	280.2	280.7	281.2	281.5	281.7	281.9	282.1	282.2	282.1
125°	305.7	306.0	306.3	306.5	306.8	307.1	307.5	307.8	308.2	308.5	308.5
127.5°	328.1	328.7	329.4	330.0	330.7	331.1	331.3	331.5	331.7	331.8	331.9
130°	344.3	344.7	345.2	345.6	346.0	346.4	346.6	346.9	347.2	347.4	347.3
132.5°	359.3	359.7	360.2	360.6	361.0	361.3	361.3	361.4	361.4	361.4	361.6
135°	379.8	380.3	380.8	381.3	381.9	382.2	382.4	382.5	382.7	382.9	383.1
137.5°	400.4	400.8	401.2	401.7	402.2	402.3	402.3	402.3	402.3	402.2	402.3
140°	412.5	413.0	413.5	414.1	414.6	414.7	414.6	414.4	414.2	414.1	414.1
142.5°	424.0	424.6	425.1	425.6	426.1	426.4	426.3	426.3	426.2	426.2	426.1
145°	440.9	441.4	442.0	442.5	443.0	443.2	443.2	443.1	443.0	442.9	442.9
147.5°	454.9	455.5	456.2	456.8	457.4	457.6	457.5	457.4	457.3	457.2	457.1
150°	463.9	464.6	465.3	466.0	466.7	466.9	466.7	466.6	466.4	466.2	466.1
152.5°	472.3	472.9	473.6	474.2	474.8	475.0	474.8	474.7	474.5	474.3	474.2
155°	483.4	484.1	484.7	485.4	486.1	486.4	486.1	485.9	485.6	485.3	485.2
157.5°	492.7	493.4	494.0	494.7	495.4	495.6	495.3	495.1	494.8	494.6	494.5
160°	498.6	499.3	500.0	500.7	501.4	501.5	501.2	500.8	500.5	500.2	500.1
162.5°	503.9	504.6	505.4	506.2	507.0	507.0	506.6	506.1	505.6	505.1	505.1
165°	511.0	511.7	512.4	513.2	513.8	513.9	513.4	512.9	512.3	511.8	511.7
167.5°	516.0	516.8	517.5	518.3	519.2	519.2	518.6	518.0	517.4	516.7	516.6
170°	518.8	519.6	520.4	521.2	521.9	522.0	521.3	520.6	519.9	519.2	519.1
172.5°	520.7	521.5	522.3	523.1	523.8	523.9	523.2	522.6	522.0	521.4	521.2
175°	523.1	523.9	524.7	525.5	526.2	526.2	525.6	524.9	524.2	523.5	523.4
177.5°	524.5	525.0	525.6	526.2	526.8	526.8	526.2	525.8	525.3	524.9	524.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1626.9	1623.2	1618.9	1611.4	1602.2	1597.4	1589.8	1585.0	1575.4	1567.3	1558.8
5°	1709.4	1692.0	1675.9	1655.1	1632.3	1617.5	1600.1	1580.6	1560.5	1539.6	1516.8
7.5°	1795.0	1764.1	1730.5	1694.4	1659.1	1626.6	1595.6	1565.1	1536.7	1502.4	1473.3
10°	1852.4	1813.5	1771.9	1722.9	1675.2	1633.7	1591.3	1554.4	1516.8	1476.5	1441.0
12.5°	1909.9	1858.0	1799.2	1745.4	1688.2	1637.9	1588.1	1541.0	1493.7	1449.1	1407.7
15°	1950.4	1904.8	1850.4	1773.9	1709.4	1640.4	1574.6	1513.5	1456.5	1406.8	1354.4
17.5°	1977.1	1918.3	1859.9	1786.5	1702.1	1624.8	1550.2	1480.3	1416.0	1353.1	1302.6
20°	1981.9	1921.6	1860.4	1788.6	1702.1	1613.5	1539.0	1455.1	1386.0	1320.9	1259.1
22.5°	1980.4	1911.9	1845.5	1771.5	1687.0	1605.4	1515.4	1429.9	1354.8	1290.8	1226.3
25°	1965.1	1892.0	1808.8	1734.3	1651.1	1564.5	1473.3	1384.7	1308.1	1234.9	1171.2
27.5°	1952.6	1857.7	1763.4	1676.5	1596.2	1516.8	1429.4	1338.7	1253.9	1179.7	1119.6
30°	1937.0	1833.0	1726.9	1636.3	1553.8	1476.5	1394.0	1305.4	1216.9	1144.4	1080.0
32.5°	1923.0	1801.8	1689.9	1591.2	1503.8	1428.7	1352.6	1268.3	1181.4	1107.8	1043.4
35°	1896.1	1755.8	1627.5	1516.1	1422.9	1345.7	1281.9	1203.4	1123.5	1052.4	990.7
37.5°	1861.8	1695.4	1557.8	1441.0	1338.7	1257.4	1198.0	1137.7	1061.1	992.6	936.7
40°	1835.0	1652.4	1506.8	1387.3	1281.3	1196.7	1141.7	1084.6	1020.9	957.1	898.0
42.5°	1801.1	1613.8	1455.3	1326.6	1221.7	1139.3	1081.5	1033.0	976.8	917.4	862.5
45°	1739.0	1543.7	1371.8	1233.6	1127.6	1046.4	986.6	950.4	908.1	851.7	805.4
47.5°	1647.6	1459.5	1281.8	1139.1	1029.7	954.4	898.5	863.7	833.9	791.9	749.9
50°	1566.5	1396.7	1216.9	1075.2	965.8	889.9	838.3	806.8	781.3	749.0	713.4
52.5°	1475.8	1317.8	1153.0	1013.0	904.6	829.8	779.2	751.5	730.2	707.1	672.1
55°	1331.6	1197.4	1044.3	911.5	811.4	738.3	694.0	669.9	652.4	634.9	613.5
57.5°	1172.8	1067.8	932.3	810.8	718.7	652.1	610.8	587.3	573.7	564.7	552.1
60°	1061.1	971.2	854.4	743.6	653.8	594.7	554.4	536.2	524.9	517.5	508.1
62.5°	957.5	883.6	775.5	674.4	595.7	539.8	503.9	486.3	475.4	471.8	464.1
65°	804.7	747.7	658.4	574.5	507.4	459.8	429.6	412.8	406.0	402.0	402.7
67.5°	654.3	619.5	547.8	476.2	422.7	382.7	358.5	345.7	342.3	336.9	336.8
70°	562.4	536.2	475.9	413.5	365.8	334.9	313.4	300.0	296.6	293.9	293.3
72.5°	481.4	458.4	406.0	356.0	313.1	286.0	268.4	260.3	254.8	253.1	253.0
75°	361.8	349.0	307.4	267.8	238.2	219.5	207.4	200.0	196.0	195.3	196.0
77.5°	257.2	246.1	219.6	191.6	172.9	158.7	148.4	145.9	141.4	141.5	140.8
80°	193.3	185.9	169.1	147.0	131.6	119.5	114.1	109.4	108.1	106.1	108.1
82.5°	140.2	132.2	120.8	106.7	93.9	86.7	81.4	79.9	79.0	78.1	78.5
85°	69.1	69.8	63.1	52.3	47.0	43.0	39.6	39.6	38.9	38.2	38.9
87.5°	24.6	23.4	21.2	19.5	16.6	14.8	14.2	14.6	13.1	12.7	13.3
90°	5.0	4.4	3.8	3.2	2.5	1.8	1.1	0.4	1.1	1.8	2.5
92.5°	5.2	4.6	4.0	4.0	4.6	5.0	5.5	6.0	5.5	5.0	4.6
95°	12.8	16.1	19.4	21.2	21.4	21.7	22.0	22.2	22.0	21.7	21.4
97.5°	32.2	38.7	45.2	48.2	47.8	47.3	46.8	46.3	46.8	47.3	47.8
100°	67.1	66.7	66.4	66.1	65.9	65.6	65.3	65.0	65.3	65.6	65.9
102.5°	86.0	85.8	85.7	85.4	85.1	84.7	84.4	84.0	84.4	84.7	85.1
105°	116.1	116.1	116.1	115.9	115.5	115.2	114.9	114.5	114.9	115.2	115.5
107.5°	146.5	146.4	146.2	146.1	146.1	146.1	146.1	146.1	146.1	146.1	146.1
110°	167.1	166.9	166.8	166.7	166.7	166.7	166.7	166.7	166.7	166.7	166.7





TEST NUMBER: P333460-935

CATALOG NUMBER: S125DIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	187.3	187.1	187.0	186.8	186.7	186.4	186.2	186.1	186.2	186.4	186.7
115°	217.1	217.1	217.0	216.7	216.3	215.9	215.4	215.0	215.4	215.9	216.3
117.5°	245.7	245.4	245.1	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
120°	264.0	263.7	263.5	263.4	263.5	263.6	263.6	263.7	263.6	263.6	263.5
122.5°	282.0	281.9	281.7	281.5	281.2	280.9	280.5	280.3	280.5	280.9	281.2
125°	308.5	308.5	308.5	308.2	307.5	306.9	306.3	305.7	306.3	306.9	307.5
127.5°	332.0	332.0	332.1	331.9	331.5	331.1	330.6	330.1	330.6	331.1	331.5
130°	347.2	347.2	347.1	346.8	346.4	345.9	345.5	345.1	345.5	345.9	346.4
132.5°	361.9	362.1	362.2	362.1	361.5	361.1	360.6	360.1	360.6	361.1	361.5
135°	383.2	383.4	383.6	383.4	382.9	382.4	381.9	381.3	381.9	382.4	382.9
137.5°	402.5	402.7	402.9	402.7	402.3	401.7	401.3	400.9	401.3	401.7	402.3
140°	414.2	414.3	414.4	414.3	414.1	414.0	413.8	413.6	413.8	414.0	414.1
142.5°	425.9	425.9	425.7	425.6	425.5	425.4	425.3	425.2	425.3	425.4	425.5
145°	442.9	442.9	442.9	442.8	442.6	442.5	442.3	442.1	442.3	442.5	442.6
147.5°	457.0	456.9	456.8	456.8	456.8	456.8	456.8	456.9	456.8	456.8	456.8
150°	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2	466.1	465.9	465.7
152.5°	474.0	473.8	473.6	473.7	474.2	474.5	474.9	475.3	474.9	474.5	474.2
155°	485.0	484.8	484.7	484.8	485.3	485.9	486.4	486.9	486.4	485.9	485.3
157.5°	494.5	494.5	494.5	494.6	494.9	495.2	495.5	495.8	495.5	495.2	494.9
160°	500.0	499.9	499.8	500.0	500.5	501.0	501.5	502.0	501.5	501.0	500.5
162.5°	505.0	504.9	504.8	505.0	505.5	506.0	506.5	507.0	506.5	506.0	505.5
165°	511.6	511.5	511.4	511.7	512.2	512.7	513.2	513.8	513.2	512.7	512.2
167.5°	516.5	516.4	516.3	516.6	517.1	517.7	518.2	518.8	518.2	517.7	517.1
170°	519.0	518.9	518.8	519.1	519.7	520.3	521.0	521.6	521.0	520.3	519.7
172.5°	521.1	520.9	520.8	521.0	521.6	522.2	522.8	523.4	522.8	522.2	521.6
175°	523.3	523.2	523.1	523.4	523.9	524.4	525.0	525.5	525.0	524.4	523.9
177.5°	524.7	524.6	524.5	524.7	525.1	525.6	526.0	526.4	526.0	525.6	525.1
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333460-935

CATALOG NUMBER: S125DIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1553.8	1548.0	1543.2	1532.4	1526.5	1518.5	1512.0	1519.0	1511.5	1514.7	1509.8
5°	1505.5	1486.6	1473.3	1453.7	1437.0	1421.5	1410.1	1408.1	1402.7	1400.1	1392.0
7.5°	1447.2	1423.7	1400.6	1375.1	1353.6	1331.7	1317.8	1306.2	1298.6	1288.5	1281.7
10°	1412.8	1381.3	1354.4	1323.5	1296.7	1273.2	1254.4	1245.0	1236.3	1223.6	1218.8
12.5°	1370.4	1337.7	1305.0	1272.0	1246.2	1220.0	1203.9	1189.7	1183.7	1169.3	1167.9
15°	1319.5	1270.5	1238.3	1204.7	1169.2	1147.7	1134.3	1118.9	1112.2	1102.1	1094.7
17.5°	1258.9	1215.0	1174.8	1140.1	1109.6	1091.5	1074.8	1064.2	1052.7	1046.1	1034.0
20°	1214.8	1173.2	1132.9	1096.1	1072.5	1051.7	1038.3	1028.2	1016.2	1012.8	1000.7
22.5°	1177.8	1131.9	1093.2	1062.2	1036.6	1013.1	998.6	991.7	983.4	973.1	970.6
25°	1117.5	1069.9	1037.0	1006.1	983.3	961.8	951.7	943.0	935.0	927.6	924.9
27.5°	1065.4	1022.9	983.8	955.9	936.0	916.4	907.6	897.0	891.0	885.1	877.9
30°	1028.9	985.2	951.1	924.2	902.8	885.3	875.9	868.5	863.2	857.7	853.8
32.5°	991.4	950.9	917.7	891.5	870.0	856.8	848.5	843.3	837.3	830.9	825.8
35°	941.7	897.3	865.1	842.3	825.5	815.5	806.1	801.3	794.7	794.7	789.3
37.5°	885.7	847.4	819.0	798.1	783.1	774.1	764.0	760.7	756.4	753.5	751.7
40°	852.4	816.8	790.0	769.1	753.0	745.6	737.6	732.3	729.5	726.2	724.9
42.5°	818.0	784.0	758.3	739.1	725.1	718.8	711.3	707.6	702.1	697.8	697.0
45°	765.8	732.9	709.5	694.0	681.9	674.5	669.9	661.8	659.1	653.8	653.1
47.5°	716.3	684.8	661.7	649.0	638.4	632.4	625.0	616.9	613.9	611.1	610.9
50°	679.2	650.4	628.9	616.8	606.7	598.1	590.6	585.2	583.2	583.2	584.6
52.5°	641.6	617.1	598.8	584.0	574.5	565.2	558.4	555.2	552.1	555.3	557.8
55°	586.6	561.8	548.4	534.3	524.9	514.1	510.7	509.5	507.4	512.8	515.5
57.5°	528.3	510.9	495.2	481.2	472.8	466.6	462.0	461.2	465.0	467.5	476.2
60°	491.3	471.1	457.1	446.3	436.3	432.2	430.9	429.6	432.2	439.6	451.0
62.5°	450.5	434.1	419.0	410.9	403.5	396.8	396.5	397.4	402.7	411.1	422.6
65°	390.6	376.5	366.4	357.1	351.0	347.0	348.4	351.0	357.1	368.5	381.3
67.5°	329.8	320.1	311.2	303.5	297.7	297.7	299.1	303.1	310.2	323.4	335.0
70°	290.6	279.9	272.5	269.1	264.4	261.7	265.8	272.5	278.5	290.6	300.7
72.5°	251.4	242.3	236.5	234.3	232.2	230.1	231.4	238.7	246.8	258.9	270.6
75°	193.3	189.9	185.9	183.2	181.2	182.5	183.9	190.6	197.3	210.1	223.5
77.5°	141.1	137.6	135.2	134.5	133.5	134.1	137.8	142.8	149.4	158.7	168.8
80°	106.7	105.4	104.0	103.3	103.3	104.0	109.4	112.8	118.8	127.5	135.6
82.5°	77.7	76.9	76.6	76.5	77.1	77.1	80.4	84.8	89.8	96.3	103.3
85°	41.0	39.6	41.6	42.3	41.0	43.0	44.3	47.0	49.0	52.3	55.7
87.5°	14.0	15.2	14.8	15.5	15.6	16.8	16.4	18.6	19.8	20.9	20.5
90°	3.2	3.8	4.4	5.0	5.6	6.2	6.6	7.1	7.5	7.9	8.4
92.5°	4.0	4.0	4.6	5.2	5.7	6.2	6.6	7.1	7.5	7.9	8.3
95°	21.2	19.4	16.1	12.8	9.6	6.2	6.6	7.1	7.5	7.9	8.2
97.5°	48.2	45.2	38.7	32.2	25.7	19.2	16.7	14.3	11.9	9.4	8.2
100°	66.1	66.4	66.7	67.1	67.4	67.8	54.8	42.0	29.1	16.2	9.6
102.5°	85.4	85.7	85.8	86.0	86.3	86.4	84.0	81.6	79.1	76.7	72.6
105°	115.9	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	146.1	146.2	146.4	146.5	146.7	146.9	147.0	147.0	147.0	147.0	146.9
110°	166.7	166.8	166.9	167.1	167.3	167.5	167.2	166.9	166.7	166.4	166.3



TEST NUMBER: P333460-935

CATALOG NUMBER: S125DIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	186.8	187.0	187.1	187.3	187.4	187.4	187.1	186.8	186.4	186.1	185.9
115°	216.7	217.0	217.1	217.1	217.2	217.3	217.0	216.6	216.3	215.9	215.5
117.5°	245.0	245.1	245.4	245.7	246.1	246.4	246.0	245.5	245.0	244.6	244.3
120°	263.4	263.5	263.7	264.0	264.2	264.5	264.3	264.2	264.0	263.8	263.5
122.5°	281.5	281.7	281.9	282.0	282.1	282.2	282.1	281.9	281.7	281.5	281.2
125°	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.8	307.5	307.1	306.8
127.5°	331.9	332.1	332.0	332.0	331.9	331.8	331.7	331.5	331.3	331.1	330.7
130°	346.8	347.1	347.2	347.2	347.3	347.4	347.2	346.9	346.6	346.4	346.0
132.5°	362.1	362.2	362.1	361.9	361.6	361.4	361.4	361.4	361.3	361.3	361.0
135°	383.4	383.6	383.4	383.2	383.1	382.9	382.7	382.5	382.4	382.2	381.9
137.5°	402.7	402.9	402.7	402.5	402.3	402.2	402.3	402.3	402.3	402.3	402.2
140°	414.3	414.4	414.3	414.2	414.1	414.1	414.2	414.4	414.6	414.7	414.6
142.5°	425.6	425.7	425.9	425.9	426.1	426.2	426.2	426.3	426.3	426.4	426.1
145°	442.8	442.9	442.9	442.9	442.9	442.9	443.0	443.1	443.2	443.2	443.0
147.5°	456.8	456.8	456.9	457.0	457.1	457.2	457.3	457.4	457.5	457.6	457.4
150°	465.5	465.5	465.7	465.9	466.1	466.2	466.4	466.6	466.7	466.9	466.7
152.5°	473.7	473.6	473.8	474.0	474.2	474.3	474.5	474.7	474.8	475.0	474.8
155°	484.8	484.7	484.8	485.0	485.2	485.3	485.6	485.9	486.1	486.4	486.1
157.5°	494.6	494.5	494.5	494.5	494.5	494.6	494.8	495.1	495.3	495.6	495.4
160°	500.0	499.8	499.9	500.0	500.1	500.2	500.5	500.8	501.2	501.5	501.4
162.5°	505.0	504.8	504.9	505.0	505.1	505.1	505.6	506.1	506.6	507.0	507.0
165°	511.7	511.4	511.5	511.6	511.7	511.8	512.3	512.9	513.4	513.9	513.8
167.5°	516.6	516.3	516.4	516.5	516.6	516.7	517.4	518.0	518.6	519.2	519.2
170°	519.1	518.8	518.9	519.0	519.1	519.2	519.9	520.6	521.3	522.0	521.9
172.5°	521.0	520.8	520.9	521.1	521.2	521.4	522.0	522.6	523.2	523.9	523.8
175°	523.4	523.1	523.2	523.3	523.4	523.5	524.2	524.9	525.6	526.2	526.2
177.5°	524.7	524.5	524.6	524.7	524.8	524.9	525.3	525.8	526.2	526.8	526.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333460-935

CATALOG NUMBER: S125DIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1506.7	1510.4	1507.2	1511.5	1507.2	1510.4	1506.7	1509.8	1514.7	1511.5	1519.0
5°	1388.6	1382.6	1386.6	1384.0	1386.6	1382.6	1388.6	1392.0	1400.1	1402.7	1408.1
7.5°	1279.6	1273.8	1267.3	1264.2	1267.3	1273.8	1279.6	1281.7	1288.5	1298.6	1306.2
10°	1211.4	1204.1	1203.4	1198.7	1203.4	1204.1	1211.4	1218.8	1223.6	1236.3	1245.0
12.5°	1161.5	1154.7	1147.0	1145.0	1147.0	1154.7	1161.5	1167.9	1169.3	1183.7	1189.7
15°	1090.6	1085.3	1080.6	1084.6	1080.6	1085.3	1090.6	1094.7	1102.1	1112.2	1118.9
17.5°	1031.7	1027.3	1026.5	1021.5	1026.5	1027.3	1031.7	1034.0	1046.1	1052.7	1064.2
20°	994.7	991.4	992.6	984.0	992.6	991.4	994.7	1000.7	1012.8	1016.2	1028.2
22.5°	965.2	958.6	957.8	956.1	957.8	958.6	965.2	970.6	973.1	983.4	991.7
25°	918.9	915.5	912.1	915.5	912.1	915.5	918.9	924.9	927.6	935.0	943.0
27.5°	878.4	874.4	873.5	873.8	873.5	874.4	878.4	877.9	885.1	891.0	897.0
30°	853.8	847.1	847.7	847.1	847.7	847.1	853.8	853.8	857.7	863.2	868.5
32.5°	826.9	822.3	821.4	820.2	821.4	822.3	826.9	825.8	830.9	837.3	843.3
35°	787.3	787.3	783.9	783.9	783.9	787.3	787.3	789.3	794.7	794.7	801.3
37.5°	750.1	749.4	747.4	747.7	747.4	749.4	750.1	751.7	753.5	756.4	760.7
40°	722.2	721.5	719.5	715.5	719.5	721.5	722.2	724.9	726.2	729.5	732.3
42.5°	695.3	693.0	692.1	690.8	692.1	693.0	695.3	697.0	697.8	702.1	707.6
45°	653.1	653.1	651.7	651.0	651.7	653.1	653.1	653.1	653.8	659.1	661.8
47.5°	612.0	613.2	615.7	615.4	615.7	613.2	612.0	610.9	611.1	613.9	616.9
50°	587.3	588.0	590.0	590.6	590.0	588.0	587.3	584.6	583.2	583.2	585.2
52.5°	559.9	563.8	566.4	565.9	566.4	563.8	559.9	557.8	555.3	552.1	555.2
55°	521.5	526.2	530.9	531.6	530.9	526.2	521.5	515.5	512.8	507.4	509.5
57.5°	483.5	490.1	495.1	496.6	495.1	490.1	483.5	476.2	467.5	465.0	461.2
60°	457.7	466.5	472.5	475.2	472.5	466.5	457.7	451.0	439.6	432.2	429.6
62.5°	433.0	442.8	448.8	449.4	448.8	442.8	433.0	422.6	411.1	402.7	397.4
65°	392.6	402.7	408.0	412.1	408.0	402.7	392.6	381.3	368.5	357.1	351.0
67.5°	349.1	359.2	365.2	368.3	365.2	359.2	349.1	335.0	323.4	310.2	303.1
70°	317.5	327.5	335.6	338.3	335.6	327.5	317.5	300.7	290.6	278.5	272.5
72.5°	286.3	295.3	301.8	305.0	301.8	295.3	286.3	270.6	258.9	246.8	238.7
75°	232.2	244.3	250.4	253.7	250.4	244.3	232.2	223.5	210.1	197.3	190.6
77.5°	179.1	190.1	193.7	195.4	193.7	190.1	179.1	168.8	158.7	149.4	142.8
80°	143.6	150.3	155.1	155.7	155.1	150.3	143.6	135.6	127.5	118.8	112.8
82.5°	110.4	116.0	117.4	119.2	117.4	116.0	110.4	103.3	96.3	89.8	84.8
85°	60.4	63.1	63.8	63.1	63.8	63.1	60.4	55.7	52.3	49.0	47.0
87.5°	21.6	21.1	21.2	22.3	21.2	21.1	21.6	20.5	20.9	19.8	18.6
90°	8.6	8.9	9.1	9.4	9.1	8.9	8.6	8.4	7.9	7.5	7.1
92.5°	8.4	8.5	8.6	8.7	8.6	8.5	8.4	8.3	7.9	7.5	7.1
95°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.5	7.1
97.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.4	11.9	14.3
100°	9.2	8.9	8.5	8.2	8.5	8.9	9.2	9.6	16.2	29.1	42.0
102.5°	66.6	60.8	54.8	49.0	54.8	60.8	66.6	72.6	76.7	79.1	81.6
105°	116.0	115.9	115.8	115.7	115.8	115.9	116.0	116.1	116.1	116.1	116.1
107.5°	146.6	146.4	146.1	145.9	146.1	146.4	146.6	146.9	147.0	147.0	147.0
110°	166.4	166.5	166.6	166.7	166.6	166.5	166.4	166.3	166.4	166.7	166.9



TEST NUMBER: P333460-935

CATALOG NUMBER: S125DIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	185.8	185.6	185.5	185.4	185.5	185.6	185.8	185.9	186.1	186.4	186.8
115°	215.0	214.5	214.0	213.4	214.0	214.5	215.0	215.5	215.9	216.3	216.6
117.5°	244.0	243.8	243.6	243.4	243.6	243.8	244.0	244.3	244.6	245.0	245.5
120°	263.0	262.6	262.2	261.7	262.2	262.6	263.0	263.5	263.8	264.0	264.2
122.5°	280.7	280.2	279.7	279.2	279.7	280.2	280.7	281.2	281.5	281.7	281.9
125°	306.5	306.3	306.0	305.7	306.0	306.3	306.5	306.8	307.1	307.5	307.8
127.5°	330.0	329.4	328.7	328.1	328.7	329.4	330.0	330.7	331.1	331.3	331.5
130°	345.6	345.2	344.7	344.3	344.7	345.2	345.6	346.0	346.4	346.6	346.9
132.5°	360.6	360.2	359.7	359.3	359.7	360.2	360.6	361.0	361.3	361.3	361.4
135°	381.3	380.8	380.3	379.8	380.3	380.8	381.3	381.9	382.2	382.4	382.5
137.5°	401.7	401.2	400.8	400.4	400.8	401.2	401.7	402.2	402.3	402.3	402.3
140°	414.1	413.5	413.0	412.5	413.0	413.5	414.1	414.6	414.7	414.6	414.4
142.5°	425.6	425.1	424.6	424.0	424.6	425.1	425.6	426.1	426.4	426.3	426.3
145°	442.5	442.0	441.4	440.9	441.4	442.0	442.5	443.0	443.2	443.2	443.1
147.5°	456.8	456.2	455.5	454.9	455.5	456.2	456.8	457.4	457.6	457.5	457.4
150°	466.0	465.3	464.6	463.9	464.6	465.3	466.0	466.7	466.9	466.7	466.6
152.5°	474.2	473.6	472.9	472.3	472.9	473.6	474.2	474.8	475.0	474.8	474.7
155°	485.4	484.7	484.1	483.4	484.1	484.7	485.4	486.1	486.4	486.1	485.9
157.5°	494.7	494.0	493.4	492.7	493.4	494.0	494.7	495.4	495.6	495.3	495.1
160°	500.7	500.0	499.3	498.6	499.3	500.0	500.7	501.4	501.5	501.2	500.8
162.5°	506.2	505.4	504.6	503.9	504.6	505.4	506.2	507.0	507.0	506.6	506.1
165°	513.2	512.4	511.7	511.0	511.7	512.4	513.2	513.8	513.9	513.4	512.9
167.5°	518.3	517.5	516.8	516.0	516.8	517.5	518.3	519.2	519.2	518.6	518.0
170°	521.2	520.4	519.6	518.8	519.6	520.4	521.2	521.9	522.0	521.3	520.6
172.5°	523.1	522.3	521.5	520.7	521.5	522.3	523.1	523.8	523.9	523.2	522.6
175°	525.5	524.7	523.9	523.1	523.9	524.7	525.5	526.2	526.2	525.6	524.9
177.5°	526.2	525.6	525.0	524.5	525.0	525.6	526.2	526.8	526.8	526.2	525.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333460-935

CATALOG NUMBER: S125DIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1512.0	1518.5	1526.5	1532.4	1543.2	1548.0	1553.8	1558.8	1567.3	1575.4	1585.0
5°	1410.1	1421.5	1437.0	1453.7	1473.3	1486.6	1505.5	1516.8	1539.6	1560.5	1580.6
7.5°	1317.8	1331.7	1353.6	1375.1	1400.6	1423.7	1447.2	1473.3	1502.4	1536.7	1565.1
10°	1254.4	1273.2	1296.7	1323.5	1354.4	1381.3	1412.8	1441.0	1476.5	1516.8	1554.4
12.5°	1203.9	1220.0	1246.2	1272.0	1305.0	1337.7	1370.4	1407.7	1449.1	1493.7	1541.0
15°	1134.3	1147.7	1169.2	1204.7	1238.3	1270.5	1319.5	1354.4	1406.8	1456.5	1513.5
17.5°	1074.8	1091.5	1109.6	1140.1	1174.8	1215.0	1258.9	1302.6	1353.1	1416.0	1480.3
20°	1038.3	1051.7	1072.5	1096.1	1132.9	1173.2	1214.8	1259.1	1320.9	1386.0	1455.1
22.5°	998.6	1013.1	1036.6	1062.2	1093.2	1131.9	1177.8	1226.3	1290.8	1354.8	1429.9
25°	951.7	961.8	983.3	1006.1	1037.0	1069.9	1117.5	1171.2	1234.9	1308.1	1384.7
27.5°	907.6	916.4	936.0	955.9	983.8	1022.9	1065.4	1119.6	1179.7	1253.9	1338.7
30°	875.9	885.3	902.8	924.2	951.1	985.2	1028.9	1080.0	1144.4	1216.9	1305.4
32.5°	848.5	856.8	870.0	891.5	917.7	950.9	991.4	1043.4	1107.8	1181.4	1268.3
35°	806.1	815.5	825.5	842.3	865.1	897.3	941.7	990.7	1052.4	1123.5	1203.4
37.5°	764.0	774.1	783.1	798.1	819.0	847.4	885.7	936.7	992.6	1061.1	1137.7
40°	737.6	745.6	753.0	769.1	790.0	816.8	852.4	898.0	957.1	1020.9	1084.6
42.5°	711.3	718.8	725.1	739.1	758.3	784.0	818.0	862.5	917.4	976.8	1033.0
45°	669.9	674.5	681.9	694.0	709.5	732.9	765.8	805.4	851.7	908.1	950.4
47.5°	625.0	632.4	638.4	649.0	661.7	684.8	716.3	749.9	791.9	833.9	863.7
50°	590.6	598.1	606.7	616.8	628.9	650.4	679.2	713.4	749.0	781.3	806.8
52.5°	558.4	565.2	574.5	584.0	598.8	617.1	641.6	672.1	707.1	730.2	751.5
55°	510.7	514.1	524.9	534.3	548.4	561.8	586.6	613.5	634.9	652.4	669.9
57.5°	462.0	466.6	472.8	481.2	495.2	510.9	528.3	552.1	564.7	573.7	587.3
60°	430.9	432.2	436.3	446.3	457.1	471.1	491.3	508.1	517.5	524.9	536.2
62.5°	396.5	396.8	403.5	410.9	419.0	434.1	450.5	464.1	471.8	475.4	486.3
65°	348.4	347.0	351.0	357.1	366.4	376.5	390.6	402.7	402.0	406.0	412.8
67.5°	299.1	297.7	297.7	303.5	311.2	320.1	329.8	336.8	336.9	342.3	345.7
70°	265.8	261.7	264.4	269.1	272.5	279.9	290.6	293.3	293.9	296.6	300.0
72.5°	231.4	230.1	232.2	234.3	236.5	242.3	251.4	253.0	253.1	254.8	260.3
75°	183.9	182.5	181.2	183.2	185.9	189.9	193.3	196.0	195.3	196.0	200.0
77.5°	137.8	134.1	133.5	134.5	135.2	137.6	141.1	140.8	141.5	141.4	145.9
80°	109.4	104.0	103.3	103.3	104.0	105.4	106.7	108.1	106.1	108.1	109.4
82.5°	80.4	77.1	77.1	76.5	76.6	76.9	77.7	78.5	78.1	79.0	79.9
85°	44.3	43.0	41.0	42.3	41.6	39.6	41.0	38.9	38.2	38.9	39.6
87.5°	16.4	16.8	15.6	15.5	14.8	15.2	14.0	13.3	12.7	13.1	14.6
90°	6.6	6.2	5.6	5.0	4.4	3.8	3.2	2.5	1.8	1.1	0.4
92.5°	6.6	6.2	5.7	5.2	4.6	4.0	4.0	4.6	5.0	5.5	6.0
95°	6.6	6.2	9.6	12.8	16.1	19.4	21.2	21.4	21.7	22.0	22.2
97.5°	16.7	19.2	25.7	32.2	38.7	45.2	48.2	47.8	47.3	46.8	46.3
100°	54.8	67.8	67.4	67.1	66.7	66.4	66.1	65.9	65.6	65.3	65.0
102.5°	84.0	86.4	86.3	86.0	85.8	85.7	85.4	85.1	84.7	84.4	84.0
105°	116.1	116.1	116.1	116.1	116.1	116.1	115.9	115.5	115.2	114.9	114.5
107.5°	147.0	146.9	146.7	146.5	146.4	146.2	146.1	146.1	146.1	146.1	146.1
110°	167.2	167.5	167.3	167.1	166.9	166.8	166.7	166.7	166.7	166.7	166.7



TEST NUMBER: P333460-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	187.1	187.4	187.4	187.3	187.1	187.0	186.8	186.7	186.4	186.2	186.1
115°	217.0	217.3	217.2	217.1	217.1	217.0	216.7	216.3	215.9	215.4	215.0
117.5°	246.0	246.4	246.1	245.7	245.4	245.1	245.0	245.0	245.0	245.0	245.0
120°	264.3	264.5	264.2	264.0	263.7	263.5	263.4	263.5	263.6	263.6	263.7
122.5°	282.1	282.2	282.1	282.0	281.9	281.7	281.5	281.2	280.9	280.5	280.3
125°	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.5	306.9	306.3	305.7
127.5°	331.7	331.8	331.9	332.0	332.0	332.1	331.9	331.5	331.1	330.6	330.1
130°	347.2	347.4	347.3	347.2	347.2	347.1	346.8	346.4	345.9	345.5	345.1
132.5°	361.4	361.4	361.6	361.9	362.1	362.2	362.1	361.5	361.1	360.6	360.1
135°	382.7	382.9	383.1	383.2	383.4	383.6	383.4	382.9	382.4	381.9	381.3
137.5°	402.3	402.2	402.3	402.5	402.7	402.9	402.7	402.3	401.7	401.3	400.9
140°	414.2	414.1	414.1	414.2	414.3	414.4	414.3	414.1	414.0	413.8	413.6
142.5°	426.2	426.2	426.1	425.9	425.9	425.7	425.6	425.5	425.4	425.3	425.2
145°	443.0	442.9	442.9	442.9	442.9	442.9	442.8	442.6	442.5	442.3	442.1
147.5°	457.3	457.2	457.1	457.0	456.9	456.8	456.8	456.8	456.8	456.8	456.9
150°	466.4	466.2	466.1	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2
152.5°	474.5	474.3	474.2	474.0	473.8	473.6	473.7	474.2	474.5	474.9	475.3
155°	485.6	485.3	485.2	485.0	484.8	484.7	484.8	485.3	485.9	486.4	486.9
157.5°	494.8	494.6	494.5	494.5	494.5	494.5	494.6	494.9	495.2	495.5	495.8
160°	500.5	500.2	500.1	500.0	499.9	499.8	500.0	500.5	501.0	501.5	502.0
162.5°	505.6	505.1	505.1	505.0	504.9	504.8	505.0	505.5	506.0	506.5	507.0
165°	512.3	511.8	511.7	511.6	511.5	511.4	511.7	512.2	512.7	513.2	513.8
167.5°	517.4	516.7	516.6	516.5	516.4	516.3	516.6	517.1	517.7	518.2	518.8
170°	519.9	519.2	519.1	519.0	518.9	518.8	519.1	519.7	520.3	521.0	521.6
172.5°	522.0	521.4	521.2	521.1	520.9	520.8	521.0	521.6	522.2	522.8	523.4
175°	524.2	523.5	523.4	523.3	523.2	523.1	523.4	523.9	524.4	525.0	525.5
177.5°	525.3	524.9	524.8	524.7	524.6	524.5	524.7	525.1	525.6	526.0	526.4
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



TEST NUMBER: P333460-935

CATALOG NUMBER: S125DIW-S1270D470U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1589.8	1597.4	1602.2	1611.4	1618.9	1623.2	1626.9	1630.1	1633.9	1637.1	1646.2
5°	1600.1	1617.5	1632.3	1655.1	1675.9	1692.0	1709.4	1724.9	1737.7	1755.8	1769.9
7.5°	1595.6	1626.6	1659.1	1694.4	1730.5	1764.1	1795.0	1823.9	1850.0	1881.7	1909.4
10°	1591.3	1633.7	1675.2	1722.9	1771.9	1813.5	1852.4	1892.0	1920.9	1961.2	1995.4
12.5°	1588.1	1637.9	1688.2	1745.4	1799.2	1858.0	1909.9	1938.7	1982.6	2014.8	2055.6
15°	1574.6	1640.4	1709.4	1773.9	1850.4	1904.8	1950.4	2006.8	2047.7	2088.7	2133.0
17.5°	1550.2	1624.8	1702.1	1786.5	1859.9	1918.3	1977.1	2031.5	2080.3	2135.3	2190.4
20°	1539.0	1613.5	1702.1	1788.6	1860.4	1921.6	1981.9	2041.7	2095.4	2165.8	2229.6
22.5°	1515.4	1605.4	1687.0	1771.5	1845.5	1911.9	1980.4	2048.1	2119.5	2199.2	2279.0
25°	1473.3	1564.5	1651.1	1734.3	1808.8	1892.0	1965.1	2055.8	2147.1	2252.5	2351.7
27.5°	1429.4	1516.8	1596.2	1676.5	1763.4	1857.7	1952.6	2055.4	2174.9	2307.9	2448.0
30°	1394.0	1476.5	1553.8	1636.3	1726.9	1833.0	1937.0	2059.2	2197.4	2347.1	2513.5
32.5°	1352.6	1428.7	1503.8	1591.2	1689.9	1801.8	1923.0	2057.0	2223.2	2393.2	2564.6
35°	1281.9	1345.7	1422.9	1516.1	1627.5	1755.8	1896.1	2054.4	2245.1	2440.3	2584.6
37.5°	1198.0	1257.4	1338.7	1441.0	1557.8	1695.4	1861.8	2049.8	2252.2	2407.9	2454.5
40°	1141.7	1196.7	1281.3	1387.3	1506.8	1652.4	1835.0	2033.7	2229.6	2328.9	2290.7
42.5°	1081.5	1139.3	1221.7	1326.6	1455.3	1613.8	1801.1	1999.8	2164.1	2201.7	2069.5
45°	986.6	1046.4	1127.6	1233.6	1371.8	1543.7	1739.0	1919.5	2014.1	1946.4	1741.7
47.5°	898.5	954.4	1029.7	1139.1	1281.8	1459.5	1647.6	1791.7	1799.1	1637.4	1418.8
50°	838.3	889.9	965.8	1075.2	1216.9	1396.7	1566.5	1679.9	1628.9	1445.7	1235.6
52.5°	779.2	829.8	904.6	1013.0	1153.0	1317.8	1475.8	1555.4	1459.2	1271.2	1091.7
55°	694.0	738.3	811.4	911.5	1044.3	1197.4	1331.6	1359.1	1234.2	1049.0	903.4
57.5°	610.8	652.1	718.7	810.8	932.3	1067.8	1172.8	1166.9	1034.9	876.0	760.4
60°	554.4	594.7	653.8	743.6	854.4	971.2	1061.1	1039.7	908.8	771.9	674.5
62.5°	503.9	539.8	595.7	674.4	775.5	883.6	957.5	925.8	797.6	677.9	601.0
65°	429.6	459.8	507.4	574.5	658.4	747.7	804.7	763.8	654.4	561.1	499.4
67.5°	358.5	382.7	422.7	476.2	547.8	619.5	654.3	613.0	525.6	457.4	411.7
70°	313.4	334.9	365.8	413.5	475.9	536.2	562.4	525.6	450.4	391.9	359.0
72.5°	268.4	286.0	313.1	356.0	406.0	458.4	481.4	446.1	384.4	335.0	304.3
75°	207.4	219.5	238.2	267.8	307.4	349.0	361.8	330.9	291.3	254.3	234.3
77.5°	148.4	158.7	172.9	191.6	219.6	246.1	257.2	239.4	208.7	185.4	168.8
80°	114.1	119.5	131.6	147.0	169.1	185.9	193.3	181.9	160.4	142.9	130.2
82.5°	81.4	86.7	93.9	106.7	120.8	132.2	140.2	132.5	116.9	103.2	95.8
85°	39.6	43.0	47.0	52.3	63.1	69.8	69.1	64.4	58.4	53.0	49.0
87.5°	14.2	14.8	16.6	19.5	21.2	23.4	24.6	23.7	21.6	20.1	18.6
90°	1.1	1.8	2.5	3.2	3.8	4.4	5.0	5.6	6.2	6.6	7.1
92.5°	5.5	5.0	4.6	4.0	4.0	4.6	5.2	5.7	6.2	6.6	7.1
95°	22.0	21.7	21.4	21.2	19.4	16.1	12.8	9.6	6.2	6.6	7.1
97.5°	46.8	47.3	47.8	48.2	45.2	38.7	32.2	25.7	19.2	16.7	14.3
100°	65.3	65.6	65.9	66.1	66.4	66.7	67.1	67.4	67.8	54.8	42.0
102.5°	84.4	84.7	85.1	85.4	85.7	85.8	86.0	86.3	86.4	84.0	81.6
105°	114.9	115.2	115.5	115.9	116.1	116.1	116.1	116.1	116.1	116.1	116.1
107.5°	146.1	146.1	146.1	146.1	146.2	146.4	146.5	146.7	146.9	147.0	147.0
110°	166.7	166.7	166.7	166.7	166.8	166.9	167.1	167.3	167.5	167.2	166.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	186.2	186.4	186.7	186.8	187.0	187.1	187.3	187.4	187.4	187.1	186.8
115°	215.4	215.9	216.3	216.7	217.0	217.1	217.1	217.2	217.3	217.0	216.6
117.5°	245.0	245.0	245.0	245.0	245.1	245.4	245.7	246.1	246.4	246.0	245.5
120°	263.6	263.6	263.5	263.4	263.5	263.7	264.0	264.2	264.5	264.3	264.2
122.5°	280.5	280.9	281.2	281.5	281.7	281.9	282.0	282.1	282.2	282.1	281.9
125°	306.3	306.9	307.5	308.2	308.5	308.5	308.5	308.5	308.5	308.2	307.8
127.5°	330.6	331.1	331.5	331.9	332.1	332.0	332.0	331.9	331.8	331.7	331.5
130°	345.5	345.9	346.4	346.8	347.1	347.2	347.2	347.3	347.4	347.2	346.9
132.5°	360.6	361.1	361.5	362.1	362.2	362.1	361.9	361.6	361.4	361.4	361.4
135°	381.9	382.4	382.9	383.4	383.6	383.4	383.2	383.1	382.9	382.7	382.5
137.5°	401.3	401.7	402.3	402.7	402.9	402.7	402.5	402.3	402.2	402.3	402.3
140°	413.8	414.0	414.1	414.3	414.4	414.3	414.2	414.1	414.1	414.2	414.4
142.5°	425.3	425.4	425.5	425.6	425.7	425.9	425.9	426.1	426.2	426.2	426.3
145°	442.3	442.5	442.6	442.8	442.9	442.9	442.9	442.9	442.9	443.0	443.1
147.5°	456.8	456.8	456.8	456.8	456.8	456.9	457.0	457.1	457.2	457.3	457.4
150°	466.1	465.9	465.7	465.5	465.5	465.7	465.9	466.1	466.2	466.4	466.6
152.5°	474.9	474.5	474.2	473.7	473.6	473.8	474.0	474.2	474.3	474.5	474.7
155°	486.4	485.9	485.3	484.8	484.7	484.8	485.0	485.2	485.3	485.6	485.9
157.5°	495.5	495.2	494.9	494.6	494.5	494.5	494.5	494.5	494.6	494.8	495.1
160°	501.5	501.0	500.5	500.0	499.8	499.9	500.0	500.1	500.2	500.5	500.8
162.5°	506.5	506.0	505.5	505.0	504.8	504.9	505.0	505.1	505.1	505.6	506.1
165°	513.2	512.7	512.2	511.7	511.4	511.5	511.6	511.7	511.8	512.3	512.9
167.5°	518.2	517.7	517.1	516.6	516.3	516.4	516.5	516.6	516.7	517.4	518.0
170°	521.0	520.3	519.7	519.1	518.8	518.9	519.0	519.1	519.2	519.9	520.6
172.5°	522.8	522.2	521.6	521.0	520.8	520.9	521.1	521.2	521.4	522.0	522.6
175°	525.0	524.4	523.9	523.4	523.1	523.2	523.3	523.4	523.5	524.2	524.9
177.5°	526.0	525.6	525.1	524.7	524.5	524.6	524.7	524.8	524.9	525.3	525.8
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1653.7	1658.0	1667.2	1664.0	1668.3	1670.4	1672.6
5°	1787.3	1808.8	1818.2	1816.9	1830.9	1827.6	1824.2
7.5°	1938.2	1960.8	1973.4	1989.1	1998.2	1998.9	2006.8
10°	2023.6	2053.1	2065.2	2082.0	2092.7	2098.8	2098.1
12.5°	2089.0	2112.2	2139.2	2147.5	2162.0	2169.6	2166.8
15°	2167.9	2204.8	2233.0	2247.0	2265.2	2270.5	2277.9
17.5°	2238.3	2287.8	2320.7	2364.4	2380.9	2391.0	2385.1
20°	2291.4	2356.5	2389.4	2441.7	2470.6	2486.1	2480.6
22.5°	2354.2	2424.7	2485.4	2530.8	2574.7	2595.6	2599.9
25°	2461.9	2558.5	2647.7	2707.5	2761.8	2774.6	2802.8
27.5°	2582.1	2696.0	2791.5	2854.4	2892.2	2906.4	2915.3
30°	2657.8	2771.2	2843.1	2883.3	2895.5	2894.1	2892.7
32.5°	2694.8	2765.9	2779.7	2768.5	2740.8	2717.4	2693.0
35°	2642.4	2589.4	2510.2	2408.1	2333.0	2257.1	2249.8
37.5°	2376.4	2206.9	2075.1	1927.9	1842.9	1790.4	1754.2
40°	2126.2	1933.6	1773.9	1649.8	1563.1	1529.0	1495.4
42.5°	1854.6	1670.5	1529.0	1425.3	1360.2	1322.2	1295.6
45°	1506.8	1344.4	1233.6	1158.5	1106.7	1077.2	1060.4
47.5°	1234.7	1114.6	1020.5	966.2	930.5	907.6	907.7
50°	1088.6	973.9	911.5	868.5	837.6	819.5	822.9
52.5°	959.2	873.5	820.2	784.2	761.4	750.2	749.8
55°	802.0	740.3	705.4	679.2	663.7	651.0	653.8
57.5°	686.0	634.0	610.6	588.9	578.2	573.1	565.7
60°	614.2	573.9	553.7	536.2	525.6	521.5	514.1
62.5°	550.3	518.6	498.9	484.7	475.0	473.7	468.0
65°	462.4	438.2	420.9	414.1	404.1	401.4	401.4
67.5°	381.3	363.9	350.3	344.1	339.8	340.4	337.2
70°	330.2	316.2	307.4	300.7	297.3	298.0	295.3
72.5°	288.9	273.2	265.5	261.5	257.1	258.8	257.7
75°	218.8	210.8	206.7	202.7	200.0	198.6	197.3
77.5°	160.7	153.6	150.5	148.2	148.6	145.3	147.9
80°	124.2	118.1	116.1	112.8	112.1	112.1	111.4
82.5°	90.8	87.5	86.0	83.3	82.1	83.1	81.4
85°	47.0	44.3	43.7	43.7	42.3	41.0	44.3
87.5°	18.7	16.6	16.7	16.2	16.3	15.8	14.7
90°	7.5	7.9	8.4	8.6	8.9	9.1	9.4
92.5°	7.5	7.9	8.3	8.4	8.5	8.6	8.7
95°	7.5	7.9	8.2	8.2	8.2	8.2	8.2
97.5°	11.9	9.4	8.2	8.2	8.2	8.2	8.2
100°	29.1	16.2	9.6	9.2	8.9	8.5	8.2
102.5°	79.1	76.7	72.6	66.6	60.8	54.8	49.0
105°	116.1	116.1	116.1	116.0	115.9	115.8	115.7
107.5°	147.0	147.0	146.9	146.6	146.4	146.1	145.9
110°	166.7	166.4	166.3	166.4	166.5	166.6	166.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	186.4	186.1	185.9	185.8	185.6	185.5	185.4
115°	216.3	215.9	215.5	215.0	214.5	214.0	213.4
117.5°	245.0	244.6	244.3	244.0	243.8	243.6	243.4
120°	264.0	263.8	263.5	263.0	262.6	262.2	261.7
122.5°	281.7	281.5	281.2	280.7	280.2	279.7	279.2
125°	307.5	307.1	306.8	306.5	306.3	306.0	305.7
127.5°	331.3	331.1	330.7	330.0	329.4	328.7	328.1
130°	346.6	346.4	346.0	345.6	345.2	344.7	344.3
132.5°	361.3	361.3	361.0	360.6	360.2	359.7	359.3
135°	382.4	382.2	381.9	381.3	380.8	380.3	379.8
137.5°	402.3	402.3	402.2	401.7	401.2	400.8	400.4
140°	414.6	414.7	414.6	414.1	413.5	413.0	412.5
142.5°	426.3	426.4	426.1	425.6	425.1	424.6	424.0
145°	443.2	443.2	443.0	442.5	442.0	441.4	440.9
147.5°	457.5	457.6	457.4	456.8	456.2	455.5	454.9
150°	466.7	466.9	466.7	466.0	465.3	464.6	463.9
152.5°	474.8	475.0	474.8	474.2	473.6	472.9	472.3
155°	486.1	486.4	486.1	485.4	484.7	484.1	483.4
157.5°	495.3	495.6	495.4	494.7	494.0	493.4	492.7
160°	501.2	501.5	501.4	500.7	500.0	499.3	498.6
162.5°	506.6	507.0	507.0	506.2	505.4	504.6	503.9
165°	513.4	513.9	513.8	513.2	512.4	511.7	511.0
167.5°	518.6	519.2	519.2	518.3	517.5	516.8	516.0
170°	521.3	522.0	521.9	521.2	520.4	519.6	518.8
172.5°	523.2	523.9	523.8	523.1	522.3	521.5	520.7
175°	525.6	526.2	526.2	525.5	524.7	523.9	523.1
177.5°	526.2	526.8	526.8	526.2	525.6	525.0	524.5
180°	525.5	525.5	525.5	525.5	525.5	525.5	525.5

(END OF REPORT)