

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: P333460-927

Luminaire Tested: **S125DIW-S1270D470U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333460-927
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-S1270D470U927-4F0-1E-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: 5591.0 lumens
Efficiency: N/A
Efficacy: 106.7 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

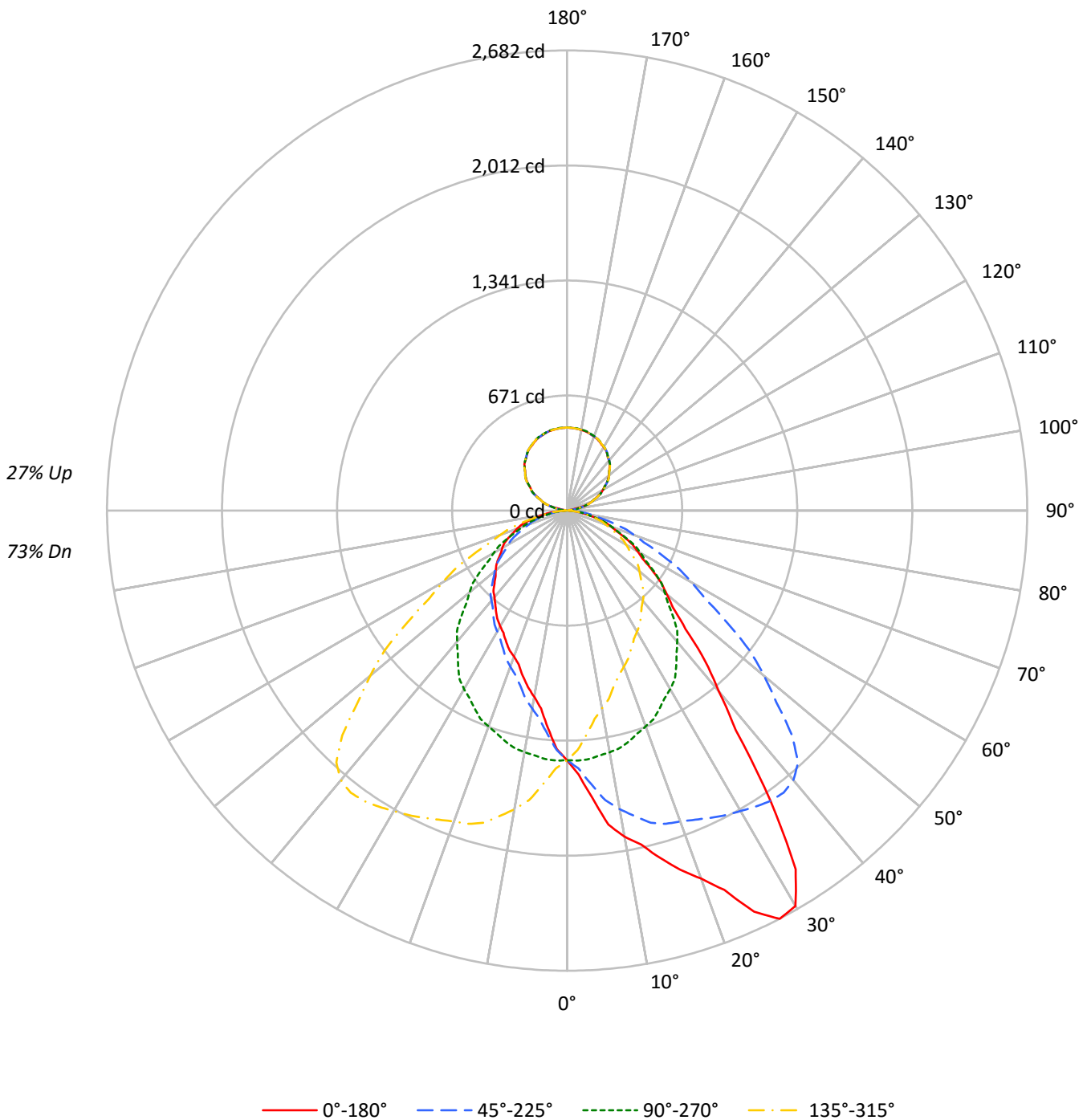
Input Watts (W): 52.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	9396	9396	9396	9396
5°	10881	9428	8255	9428
10°	12660	9379	7233	9379
15°	14014	9310	6672	9310
20°	15687	9201	6222	9201
25°	18377	9079	6002	9079
30°	19848	8957	5812	8957
35°	16320	8729	5687	8729
40°	11600	8413	5550	8413
45°	8912	7986	5471	7986
50°	7607	7458	5460	7458
55°	6773	6939	5507	6939
60°	6110	6373	5647	6373
65°	5644	5804	5793	5804
70°	5130	5212	5876	5212
75°	4531	4591	5827	4591
80°	3812	3745	5326	3745
85°	3016	2697	4305	2697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	2.5
10°-20°	417.0	7.5
20°-30°	677.1	12.1
30°-40°	826.0	14.8
40°-50°	751.4	13.4
50°-60°	598.5	10.7
60°-70°	416.9	7.5
70°-80°	222.3	4.0
80°-90°	57.1	1.0
90°-100°	17.6	0.3
100°-110°	108.3	1.9
110°-120°	196.4	3.5
120°-130°	252.0	4.5
130°-140°	271.1	4.8
140°-150°	254.4	4.6
150°-160°	205.8	3.7
160°-170°	133.1	2.4
170°-180°	45.9	0.8
0°-30°	1234.2	22.1
0°-40°	2060.2	36.8
0°-60°	3410.1	61.0
0°-90°	4106.4	73.4
90°-120°	322.2	5.8
90°-150°	1099.7	19.7
90°-180°	1485.0	26.6
0°-180°	5591.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1455	1455	1455	1455	1455	
5°	1678	1454	1273	1454	1678	169
15°	2096	1392	998	1392	2096	600
25°	2579	1274	842	1274	2579	1178
35°	2070	1107	721	1107	2070	1267
45°	976	874	599	874	976	781
55°	602	616	489	616	602	542
65°	369	380	379	380	369	367
75°	182	184	234	184	182	196
85°	41	36	58	36	41	47
90°	9	0	9	0	9	5
95°	8	20	8	20	8	6
105°	106	105	106	105	106	96
115°	196	198	196	198	196	195
125°	281	281	281	281	281	250
135°	349	351	349	351	349	270
145°	406	407	406	407	406	253
155°	445	448	445	448	445	205
165°	470	473	470	473	470	133
175°	481	484	481	484	481	46
180°	484	484	484	484	484	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1538.9	1536.9	1534.9	1531.0	1533.9	1525.5	1521.5	1514.7	1506.3	1503.3	1499.8
5°	1678.4	1681.5	1684.6	1671.7	1672.9	1664.2	1644.5	1628.4	1615.4	1598.8	1587.1
7.5°	1846.4	1839.1	1838.5	1830.1	1815.7	1804.0	1783.3	1756.8	1731.3	1702.2	1678.1
10°	1930.4	1931.0	1925.5	1915.6	1900.1	1889.0	1861.9	1835.9	1804.4	1767.4	1740.8
12.5°	1993.6	1996.2	1989.2	1975.9	1968.3	1943.4	1922.1	1891.3	1853.8	1824.2	1783.8
15°	2095.9	2089.1	2084.2	2067.4	2054.5	2028.5	1994.6	1962.5	1921.8	1884.0	1846.4
17.5°	2194.4	2199.9	2190.6	2175.4	2135.2	2104.9	2059.4	2015.3	1964.6	1914.1	1869.2
20°	2282.4	2287.3	2273.1	2246.5	2198.4	2168.1	2108.2	2051.4	1992.7	1927.9	1878.5
22.5°	2392.1	2388.1	2368.9	2328.5	2286.8	2230.9	2166.1	2096.8	2023.4	1950.1	1884.4
25°	2578.8	2552.8	2541.1	2491.1	2436.1	2354.0	2265.1	2163.8	2072.4	1975.5	1891.5
27.5°	2682.3	2674.1	2661.0	2626.2	2568.4	2480.6	2375.8	2252.3	2123.4	2001.1	1891.1
30°	2661.5	2662.8	2664.0	2652.9	2615.9	2549.7	2445.4	2312.6	2159.5	2021.8	1894.6
32.5°	2477.8	2500.2	2521.8	2547.2	2557.6	2544.8	2479.5	2359.6	2201.9	2045.5	1892.6
35°	2070.0	2076.7	2146.5	2215.7	2309.5	2382.4	2431.2	2378.1	2245.3	2065.6	1890.2
37.5°	1614.0	1647.3	1695.6	1773.8	1909.2	2030.5	2186.5	2258.3	2215.4	2072.2	1885.9
40°	1375.9	1406.8	1438.2	1517.9	1632.1	1779.1	1956.3	2107.6	2142.8	2051.4	1871.1
42.5°	1192.1	1216.6	1251.5	1311.4	1406.8	1537.0	1706.4	1904.1	2025.7	1991.2	1840.0
45°	975.7	991.1	1018.3	1065.9	1135.0	1236.9	1386.3	1602.5	1790.8	1853.2	1766.1
47.5°	835.1	835.0	856.1	889.0	938.9	1025.5	1136.0	1305.4	1506.5	1655.3	1648.5
50°	757.1	754.0	770.6	799.1	838.6	896.0	1001.6	1136.9	1330.2	1498.7	1545.6
52.5°	689.9	690.2	700.5	721.5	754.6	803.7	882.6	1004.5	1169.6	1342.6	1431.1
55°	601.5	599.0	610.7	625.0	649.0	681.1	737.9	831.2	965.2	1135.6	1250.5
57.5°	520.5	527.3	532.0	541.9	561.8	583.3	631.2	699.7	806.0	952.2	1073.6
60°	473.0	479.8	483.5	493.4	509.5	528.0	565.1	620.6	710.2	836.1	956.6
62.5°	430.6	435.9	437.0	446.0	459.1	477.1	506.3	552.9	623.7	733.9	851.8
65°	369.3	369.3	371.8	381.0	387.2	403.2	425.5	459.5	516.3	602.1	702.7
67.5°	310.2	313.2	312.6	316.6	322.3	334.9	350.8	378.8	420.9	483.5	564.0
70°	271.7	274.2	273.5	276.6	282.8	290.9	303.8	330.3	360.6	414.4	483.5
72.5°	237.1	238.1	236.5	240.6	244.3	251.4	265.8	280.0	308.2	353.6	410.4
75°	181.6	182.8	184.0	186.5	190.2	193.9	201.3	215.6	234.0	268.0	304.4
77.5°	136.1	133.7	136.7	136.3	138.5	141.3	147.8	155.3	170.6	192.0	220.2
80°	102.5	103.1	103.1	103.8	106.9	108.7	114.2	119.8	131.5	147.6	167.4
82.5°	74.9	76.4	75.5	76.6	79.1	80.5	83.6	88.2	95.0	107.6	121.9
85°	40.7	37.7	38.9	40.2	40.2	40.7	43.3	45.1	48.8	53.7	59.3
87.5°	13.5	14.5	15.0	14.9	15.4	15.3	17.2	17.1	18.5	19.9	21.8
90°	8.6	8.4	8.2	7.9	7.7	7.3	6.9	6.5	6.1	5.7	5.1
92.5°	8.0	7.9	7.8	7.7	7.6	7.3	6.9	6.5	6.1	5.7	5.2
95°	7.5	7.5	7.5	7.5	7.5	7.3	6.9	6.5	6.1	5.7	8.8
97.5°	7.5	7.5	7.5	7.5	7.5	8.6	10.9	13.2	15.4	17.7	23.6
100°	7.5	7.8	8.2	8.5	8.8	14.9	26.8	38.7	50.5	62.3	62.0
102.5°	45.1	50.5	55.9	61.3	66.8	70.6	72.8	75.1	77.3	79.5	79.4
105°	106.5	106.5	106.6	106.7	106.8	106.8	106.8	106.8	106.8	106.8	106.8
107.5°	134.2	134.4	134.7	134.9	135.1	135.2	135.2	135.2	135.2	135.1	135.0
110°	153.4	153.3	153.2	153.1	153.0	153.1	153.4	153.6	153.8	154.1	153.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	170.6	170.7	170.8	171.0	171.0	171.3	171.5	171.8	172.1	172.5	172.4
115°	196.4	196.9	197.3	197.8	198.3	198.7	199.0	199.3	199.6	199.9	199.9
117.5°	223.9	224.1	224.3	224.5	224.7	225.1	225.5	225.9	226.3	226.7	226.4
120°	240.8	241.2	241.6	242.0	242.4	242.7	242.9	243.0	243.2	243.4	243.1
122.5°	256.9	257.4	257.8	258.3	258.7	259.0	259.2	259.4	259.5	259.7	259.6
125°	281.3	281.5	281.8	282.0	282.3	282.6	282.9	283.2	283.5	283.8	283.8
127.5°	301.9	302.5	303.1	303.6	304.3	304.7	304.8	305.0	305.1	305.3	305.4
130°	316.8	317.2	317.6	318.0	318.4	318.7	318.9	319.2	319.4	319.6	319.6
132.5°	330.6	331.0	331.4	331.8	332.2	332.4	332.4	332.5	332.6	332.6	332.7
135°	349.4	349.9	350.4	350.9	351.3	351.6	351.8	352.0	352.1	352.3	352.4
137.5°	368.4	368.8	369.2	369.6	370.0	370.2	370.2	370.1	370.1	370.0	370.2
140°	379.5	380.0	380.5	381.0	381.4	381.6	381.4	381.3	381.1	381.0	381.0
142.5°	390.1	390.6	391.1	391.6	392.1	392.3	392.2	392.2	392.1	392.1	392.1
145°	405.7	406.2	406.6	407.1	407.6	407.8	407.7	407.7	407.6	407.5	407.5
147.5°	418.5	419.1	419.7	420.3	420.8	421.0	421.0	420.9	420.7	420.6	420.6
150°	426.8	427.5	428.1	428.7	429.4	429.6	429.4	429.3	429.1	429.0	428.8
152.5°	434.6	435.1	435.7	436.3	436.9	437.0	436.9	436.7	436.6	436.4	436.3
155°	444.7	445.4	446.0	446.6	447.3	447.5	447.3	447.0	446.8	446.6	446.4
157.5°	453.3	453.9	454.6	455.2	455.8	456.0	455.7	455.5	455.3	455.0	455.0
160°	458.8	459.4	460.0	460.7	461.3	461.4	461.1	460.8	460.5	460.2	460.1
162.5°	463.6	464.3	465.0	465.7	466.4	466.5	466.1	465.6	465.2	464.8	464.7
165°	470.2	470.8	471.4	472.1	472.8	472.9	472.4	471.9	471.3	470.9	470.8
167.5°	474.8	475.5	476.2	476.9	477.7	477.7	477.1	476.6	476.0	475.4	475.3
170°	477.4	478.1	478.8	479.5	480.2	480.3	479.7	479.0	478.3	477.7	477.6
172.5°	479.1	479.8	480.5	481.3	482.0	482.0	481.4	480.9	480.3	479.7	479.6
175°	481.3	482.0	482.8	483.5	484.2	484.2	483.5	482.9	482.3	481.6	481.6
177.5°	482.6	483.1	483.6	484.1	484.7	484.7	484.2	483.8	483.3	482.9	482.8
180°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1496.9	1493.4	1489.5	1482.6	1474.2	1469.7	1462.8	1458.3	1449.5	1442.0	1434.2
5°	1572.8	1556.8	1542.0	1522.8	1501.8	1488.2	1472.2	1454.3	1435.8	1416.6	1395.6
7.5°	1651.5	1623.1	1592.2	1559.0	1526.5	1496.6	1468.1	1440.0	1413.9	1382.3	1355.5
10°	1704.4	1668.6	1630.2	1585.2	1541.3	1503.1	1464.1	1430.2	1395.6	1358.5	1325.8
12.5°	1757.2	1709.5	1655.4	1605.9	1553.2	1507.0	1461.2	1417.8	1374.4	1333.3	1295.2
15°	1794.5	1752.5	1702.5	1632.1	1572.8	1509.3	1448.7	1392.5	1340.1	1294.3	1246.2
17.5°	1819.1	1765.0	1711.3	1643.7	1566.1	1494.9	1426.3	1362.0	1302.8	1244.9	1198.5
20°	1823.5	1768.0	1711.7	1645.7	1566.1	1484.5	1415.9	1338.8	1275.2	1215.3	1158.5
22.5°	1822.1	1759.0	1698.0	1629.9	1552.2	1477.1	1394.2	1315.6	1246.5	1187.6	1128.3
25°	1808.1	1740.8	1664.2	1595.7	1519.1	1439.5	1355.5	1274.0	1203.6	1136.2	1077.6
27.5°	1796.5	1709.2	1622.5	1542.5	1468.6	1395.6	1315.2	1231.7	1153.7	1085.4	1030.2
30°	1782.2	1686.5	1588.9	1505.5	1429.6	1358.5	1282.6	1201.1	1119.6	1052.9	993.6
32.5°	1769.3	1657.8	1554.8	1464.0	1383.6	1314.5	1244.5	1167.0	1087.0	1019.3	960.0
35°	1744.5	1615.4	1497.5	1395.0	1309.2	1238.1	1179.5	1107.2	1033.7	968.3	911.5
37.5°	1713.0	1559.9	1433.3	1325.8	1231.7	1156.9	1102.2	1046.8	976.3	913.2	861.8
40°	1688.3	1520.4	1386.3	1276.4	1178.8	1101.1	1050.4	997.9	939.3	880.6	826.2
42.5°	1657.2	1484.8	1338.9	1220.6	1124.0	1048.2	995.1	950.5	898.7	844.1	793.6
45°	1600.0	1420.3	1262.2	1135.0	1037.4	962.7	907.8	874.4	835.5	783.6	741.0
47.5°	1515.9	1342.8	1179.3	1048.1	947.4	878.1	826.6	794.6	767.2	728.6	690.0
50°	1441.3	1285.1	1119.6	989.3	888.6	818.8	771.3	742.3	718.8	689.1	656.4
52.5°	1357.8	1212.4	1060.8	932.0	832.3	763.5	716.9	691.4	671.8	650.6	618.4
55°	1225.2	1101.7	960.8	838.6	746.6	679.3	638.5	616.3	600.2	584.2	564.4
57.5°	1079.0	982.5	857.8	746.0	661.2	600.0	562.0	540.3	527.8	519.6	507.9
60°	976.3	893.6	786.1	684.2	601.5	547.2	510.1	493.4	482.9	476.1	467.5
62.5°	881.0	813.0	713.5	620.5	548.1	496.7	463.7	447.4	437.4	434.1	427.0
65°	740.4	687.9	605.8	528.6	466.8	423.0	395.2	379.8	373.6	369.9	370.5
67.5°	602.0	570.0	504.0	438.2	388.9	352.1	329.9	318.1	315.0	310.0	309.9
70°	517.5	493.4	437.8	380.4	336.5	308.2	288.4	276.0	272.9	270.5	269.9
72.5°	442.9	421.8	373.6	327.6	288.1	263.2	246.9	239.5	234.4	232.9	232.8
75°	332.9	321.2	282.8	246.4	219.2	201.9	190.8	184.0	180.3	179.7	180.3
77.5°	236.6	226.4	202.1	176.3	159.1	146.0	136.6	134.3	130.1	130.2	129.5
80°	177.8	171.0	155.6	135.2	121.0	110.0	105.0	100.7	99.4	97.6	99.4
82.5°	129.0	121.7	111.1	98.2	86.4	79.8	74.9	73.5	72.7	71.9	72.2
85°	63.6	64.2	58.1	48.2	43.3	39.5	36.4	36.4	35.8	35.2	35.8
87.5°	22.7	21.5	19.5	17.9	15.3	13.6	13.1	13.4	12.0	11.7	12.3
90°	4.6	4.0	3.5	2.9	2.3	1.7	1.0	0.4	1.0	1.7	2.3
92.5°	4.8	4.3	3.7	3.7	4.2	4.6	5.1	5.5	5.1	4.6	4.2
95°	11.8	14.8	17.8	19.5	19.7	20.0	20.2	20.4	20.2	20.0	19.7
97.5°	29.6	35.6	41.6	44.4	44.0	43.5	43.1	42.6	43.1	43.5	44.0
100°	61.7	61.4	61.1	60.8	60.6	60.4	60.1	59.8	60.1	60.4	60.6
102.5°	79.1	79.0	78.8	78.6	78.3	78.0	77.6	77.3	77.6	78.0	78.3
105°	106.8	106.8	106.8	106.6	106.3	106.0	105.7	105.4	105.7	106.0	106.3
107.5°	134.8	134.7	134.5	134.4	134.4	134.4	134.4	134.4	134.4	134.4	134.4
110°	153.8	153.6	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4



TEST NUMBER: P333460-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	172.3	172.1	172.1	171.9	171.7	171.5	171.3	171.2	171.3	171.5	171.7
115°	199.8	199.7	199.6	199.4	199.0	198.6	198.2	197.8	198.2	198.6	199.0
117.5°	226.1	225.8	225.5	225.4	225.4	225.4	225.4	225.5	225.4	225.4	225.4
120°	242.9	242.6	242.4	242.3	242.4	242.5	242.6	242.6	242.6	242.5	242.4
122.5°	259.4	259.4	259.2	259.0	258.7	258.4	258.1	257.9	258.1	258.4	258.7
125°	283.8	283.8	283.8	283.5	283.0	282.4	281.9	281.3	281.9	282.4	283.0
127.5°	305.5	305.5	305.5	305.4	305.0	304.6	304.2	303.7	304.2	304.6	305.0
130°	319.5	319.4	319.3	319.1	318.7	318.3	317.9	317.5	317.9	318.3	318.7
132.5°	333.0	333.1	333.3	333.1	332.6	332.2	331.8	331.3	331.8	332.2	332.6
135°	352.6	352.8	352.9	352.8	352.3	351.8	351.3	350.9	351.3	351.8	352.3
137.5°	370.3	370.5	370.7	370.5	370.1	369.6	369.2	368.8	369.2	369.6	370.1
140°	381.1	381.2	381.3	381.2	381.0	380.9	380.7	380.6	380.7	380.9	381.0
142.5°	391.9	391.8	391.7	391.6	391.5	391.4	391.3	391.2	391.3	391.4	391.5
145°	407.5	407.5	407.5	407.4	407.3	407.1	406.9	406.8	406.9	407.1	407.3
147.5°	420.5	420.4	420.3	420.3	420.3	420.3	420.3	420.4	420.3	420.3	420.3
150°	428.6	428.5	428.3	428.3	428.5	428.6	428.8	429.0	428.8	428.6	428.5
152.5°	436.1	435.9	435.8	435.9	436.3	436.6	437.0	437.3	437.0	436.6	436.3
155°	446.2	446.1	445.9	446.1	446.6	447.0	447.5	448.0	447.5	447.0	446.6
157.5°	455.0	455.0	455.0	455.0	455.3	455.7	455.9	456.2	455.9	455.7	455.3
160°	460.0	459.9	459.9	460.0	460.5	461.0	461.4	461.9	461.4	461.0	460.5
162.5°	464.6	464.5	464.5	464.6	465.1	465.6	466.0	466.5	466.0	465.6	465.1
165°	470.7	470.6	470.6	470.8	471.3	471.7	472.2	472.7	472.2	471.7	471.3
167.5°	475.2	475.2	475.1	475.3	475.8	476.3	476.8	477.3	476.8	476.3	475.8
170°	477.5	477.4	477.4	477.6	478.2	478.7	479.3	479.9	479.3	478.7	478.2
172.5°	479.4	479.3	479.2	479.3	479.9	480.5	481.0	481.6	481.0	480.5	479.9
175°	481.5	481.4	481.3	481.6	482.0	482.5	483.0	483.5	483.0	482.5	482.0
177.5°	482.8	482.7	482.6	482.8	483.2	483.5	483.9	484.3	483.9	483.5	483.2
180°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5



TEST NUMBER: P333460-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1429.7	1424.3	1419.8	1409.9	1404.5	1397.1	1391.2	1397.6	1390.7	1393.6	1389.2
5°	1385.1	1367.8	1355.5	1337.5	1322.2	1307.9	1297.4	1295.5	1290.6	1288.2	1280.7
7.5°	1331.5	1309.9	1288.6	1265.2	1245.4	1225.3	1212.4	1201.8	1194.8	1185.5	1179.2
10°	1299.9	1270.9	1246.2	1217.7	1193.0	1171.5	1154.1	1145.5	1137.5	1125.8	1121.4
12.5°	1260.8	1230.8	1200.7	1170.4	1146.6	1122.5	1107.7	1094.6	1089.1	1075.9	1074.5
15°	1214.0	1168.9	1139.3	1108.4	1075.7	1056.0	1043.6	1029.4	1023.3	1014.0	1007.2
17.5°	1158.2	1117.9	1080.9	1048.9	1020.9	1004.2	988.9	979.1	968.5	962.5	951.3
20°	1117.7	1079.4	1042.4	1008.4	986.8	967.7	955.3	946.0	934.9	931.8	920.8
22.5°	1083.6	1041.4	1005.8	977.3	953.7	932.1	918.8	912.4	904.8	895.3	893.0
25°	1028.2	984.4	954.1	925.7	904.7	884.9	875.7	867.6	860.2	853.4	851.0
27.5°	980.2	941.1	905.1	879.5	861.2	843.2	835.0	825.3	819.8	814.4	807.7
30°	946.7	906.5	875.0	850.3	830.6	814.5	805.9	799.1	794.2	789.2	785.5
32.5°	912.1	874.9	844.4	820.2	800.4	788.3	780.7	775.9	770.4	764.5	759.8
35°	866.4	825.6	796.0	775.0	759.5	750.3	741.6	737.3	731.2	731.2	726.2
37.5°	814.9	779.7	753.5	734.4	720.5	712.3	702.9	699.9	695.9	693.3	691.7
40°	784.3	751.5	726.8	707.7	692.8	686.0	678.7	673.8	671.2	668.1	666.9
42.5°	752.7	721.4	697.7	680.0	667.2	661.4	654.4	651.0	646.0	642.0	641.3
45°	704.6	674.3	652.8	638.5	627.4	620.6	616.3	608.9	606.4	601.5	600.9
47.5°	659.0	630.0	608.8	597.1	587.4	581.9	575.0	567.6	564.8	562.3	562.1
50°	625.0	598.4	578.6	567.5	558.3	550.2	543.4	538.4	536.6	536.6	537.9
52.5°	590.3	567.8	551.0	537.3	528.6	520.1	513.8	510.8	507.9	511.0	513.2
55°	539.7	516.9	504.5	491.5	482.9	473.0	469.9	468.7	466.8	471.8	474.3
57.5°	486.1	470.1	455.6	442.8	435.0	429.3	425.1	424.4	427.9	430.2	438.2
60°	452.0	433.5	420.6	410.7	401.4	397.7	396.5	395.2	397.7	404.5	414.9
62.5°	414.5	399.4	385.5	378.0	371.2	365.1	364.8	365.6	370.5	378.3	388.8
65°	359.4	346.4	337.2	328.5	323.0	319.2	320.5	323.0	328.5	339.1	350.8
67.5°	303.5	294.5	286.3	279.2	273.9	273.9	275.2	278.8	285.4	297.5	308.2
70°	267.4	257.5	250.7	247.6	243.3	240.8	244.5	250.7	256.3	267.4	276.6
72.5°	231.3	222.9	217.6	215.6	213.7	211.7	212.9	219.6	227.1	238.2	249.0
75°	177.8	174.8	171.0	168.6	166.8	167.9	169.2	175.4	181.6	193.3	205.7
77.5°	129.8	126.6	124.4	123.7	122.8	123.3	126.8	131.4	137.4	146.0	155.3
80°	98.2	97.0	95.7	95.1	95.1	95.7	100.7	103.8	109.3	117.3	124.8
82.5°	71.5	70.7	70.5	70.4	70.9	71.0	74.0	78.0	82.6	88.6	95.1
85°	37.7	36.4	38.3	38.9	37.7	39.5	40.7	43.3	45.1	48.2	51.3
87.5°	12.9	14.0	13.6	14.3	14.3	15.4	15.1	17.1	18.2	19.3	18.9
90°	2.9	3.5	4.0	4.6	5.1	5.7	6.1	6.5	6.9	7.3	7.7
92.5°	3.7	3.7	4.3	4.8	5.2	5.7	6.1	6.5	6.9	7.3	7.6
95°	19.5	17.8	14.8	11.8	8.8	5.7	6.1	6.5	6.9	7.3	7.5
97.5°	44.4	41.6	35.6	29.6	23.6	17.7	15.4	13.2	10.9	8.6	7.5
100°	60.8	61.1	61.4	61.7	62.0	62.3	50.5	38.7	26.8	14.9	8.8
102.5°	78.6	78.8	79.0	79.1	79.4	79.5	77.3	75.1	72.8	70.6	66.8
105°	106.6	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8
107.5°	134.4	134.5	134.7	134.8	135.0	135.1	135.2	135.2	135.2	135.2	135.1
110°	153.4	153.4	153.6	153.8	153.9	154.1	153.8	153.6	153.4	153.1	153.0



TEST NUMBER: P333460-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	171.9	172.1	172.1	172.3	172.4	172.5	172.1	171.8	171.5	171.3	171.0
115°	199.4	199.6	199.7	199.8	199.9	199.9	199.6	199.3	199.0	198.7	198.3
117.5°	225.4	225.5	225.8	226.1	226.4	226.7	226.3	225.9	225.5	225.1	224.7
120°	242.3	242.4	242.6	242.9	243.1	243.4	243.2	243.0	242.9	242.7	242.4
122.5°	259.0	259.2	259.4	259.4	259.6	259.7	259.5	259.4	259.2	259.0	258.7
125°	283.5	283.8	283.8	283.8	283.8	283.8	283.5	283.2	282.9	282.6	282.3
127.5°	305.4	305.5	305.5	305.5	305.4	305.3	305.1	305.0	304.8	304.7	304.3
130°	319.1	319.3	319.4	319.5	319.6	319.6	319.4	319.2	318.9	318.7	318.4
132.5°	333.1	333.3	333.1	333.0	332.7	332.6	332.6	332.5	332.4	332.4	332.2
135°	352.8	352.9	352.8	352.6	352.4	352.3	352.1	352.0	351.8	351.6	351.3
137.5°	370.5	370.7	370.5	370.3	370.2	370.0	370.1	370.1	370.2	370.2	370.0
140°	381.2	381.3	381.2	381.1	381.0	381.0	381.1	381.3	381.4	381.6	381.4
142.5°	391.6	391.7	391.8	391.9	392.1	392.1	392.1	392.2	392.2	392.3	392.1
145°	407.4	407.5	407.5	407.5	407.5	407.5	407.6	407.7	407.7	407.8	407.6
147.5°	420.3	420.3	420.4	420.5	420.6	420.6	420.7	420.9	421.0	421.0	420.8
150°	428.3	428.3	428.5	428.6	428.8	429.0	429.1	429.3	429.4	429.6	429.4
152.5°	435.9	435.8	435.9	436.1	436.3	436.4	436.6	436.7	436.9	437.0	436.9
155°	446.1	445.9	446.1	446.2	446.4	446.6	446.8	447.0	447.3	447.5	447.3
157.5°	455.0	455.0	455.0	455.0	455.0	455.0	455.3	455.5	455.7	456.0	455.8
160°	460.0	459.9	459.9	460.0	460.1	460.2	460.5	460.8	461.1	461.4	461.3
162.5°	464.6	464.5	464.5	464.6	464.7	464.8	465.2	465.6	466.1	466.5	466.4
165°	470.8	470.6	470.6	470.7	470.8	470.9	471.3	471.9	472.4	472.9	472.8
167.5°	475.3	475.1	475.2	475.2	475.3	475.4	476.0	476.6	477.1	477.7	477.7
170°	477.6	477.4	477.4	477.5	477.6	477.7	478.3	479.0	479.7	480.3	480.2
172.5°	479.3	479.2	479.3	479.4	479.6	479.7	480.3	480.9	481.4	482.0	482.0
175°	481.6	481.3	481.4	481.5	481.6	481.6	482.3	482.9	483.5	484.2	484.2
177.5°	482.8	482.6	482.7	482.8	482.8	482.9	483.3	483.8	484.2	484.7	484.7
180°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5



TEST NUMBER: P333460-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1386.2	1389.6	1386.7	1390.7	1386.7	1389.6	1386.2	1389.2	1393.6	1390.7	1397.6
5°	1277.6	1272.1	1275.8	1273.4	1275.8	1272.1	1277.6	1280.7	1288.2	1290.6	1295.5
7.5°	1177.3	1172.0	1166.0	1163.2	1166.0	1172.0	1177.3	1179.2	1185.5	1194.8	1201.8
10°	1114.6	1107.9	1107.2	1102.9	1107.2	1107.9	1114.6	1121.4	1125.8	1137.5	1145.5
12.5°	1068.7	1062.4	1055.3	1053.5	1055.3	1062.4	1068.7	1074.5	1075.9	1089.1	1094.6
15°	1003.5	998.5	994.2	997.9	994.2	998.5	1003.5	1007.2	1014.0	1023.3	1029.4
17.5°	949.3	945.2	944.4	939.8	944.4	945.2	949.3	951.3	962.5	968.5	979.1
20°	915.2	912.1	913.3	905.3	913.3	912.1	915.2	920.8	931.8	934.9	946.0
22.5°	888.0	881.9	881.2	879.6	881.2	881.9	888.0	893.0	895.3	904.8	912.4
25°	845.4	842.3	839.2	842.3	839.2	842.3	845.4	851.0	853.4	860.2	867.6
27.5°	808.2	804.5	803.7	804.0	803.7	804.5	808.2	807.7	814.4	819.8	825.3
30°	785.5	779.3	779.9	779.3	779.9	779.3	785.5	785.5	789.2	794.2	799.1
32.5°	760.8	756.6	755.7	754.6	755.7	756.6	760.8	759.8	764.5	770.4	775.9
35°	724.4	724.4	721.3	721.3	721.3	724.4	724.4	726.2	731.2	731.2	737.3
37.5°	690.1	689.5	687.7	687.9	687.7	689.5	690.1	691.7	693.3	695.9	699.9
40°	664.5	663.8	661.9	658.3	661.9	663.8	664.5	666.9	668.1	671.2	673.8
42.5°	639.8	637.6	636.8	635.6	636.8	637.6	639.8	641.3	642.0	646.0	651.0
45°	600.9	600.9	599.6	599.0	599.6	600.9	600.9	600.9	601.5	606.4	608.9
47.5°	563.1	564.2	566.5	566.2	566.5	564.2	563.1	562.1	562.3	564.8	567.6
50°	540.3	541.0	542.8	543.4	542.8	541.0	540.3	537.9	536.6	536.6	538.4
52.5°	515.2	518.7	521.1	520.7	521.1	518.7	515.2	513.2	511.0	507.9	510.8
55°	479.8	484.1	488.5	489.1	488.5	484.1	479.8	474.3	471.8	466.8	468.7
57.5°	444.9	450.9	455.5	456.9	455.5	450.9	444.9	438.2	430.2	427.9	424.4
60°	421.1	429.2	434.7	437.2	434.7	429.2	421.1	414.9	404.5	397.7	395.2
62.5°	398.4	407.4	413.0	413.5	413.0	407.4	398.4	388.8	378.3	370.5	365.6
65°	361.2	370.5	375.4	379.1	375.4	370.5	361.2	350.8	339.1	328.5	323.0
67.5°	321.2	330.5	336.0	338.9	336.0	330.5	321.2	308.2	297.5	285.4	278.8
70°	292.1	301.3	308.8	311.2	308.8	301.3	292.1	276.6	267.4	256.3	250.7
72.5°	263.4	271.7	277.7	280.6	277.7	271.7	263.4	249.0	238.2	227.1	219.6
75°	213.7	224.7	230.4	233.5	230.4	224.7	213.7	205.7	193.3	181.6	175.4
77.5°	164.8	174.9	178.2	179.8	178.2	174.9	164.8	155.3	146.0	137.4	131.4
80°	132.1	138.3	142.7	143.2	142.7	138.3	132.1	124.8	117.3	109.3	103.8
82.5°	101.6	106.7	108.1	109.6	108.1	106.7	101.6	95.1	88.6	82.6	78.0
85°	55.6	58.1	58.7	58.1	58.7	58.1	55.6	51.3	48.2	45.1	43.3
87.5°	19.9	19.4	19.5	20.5	19.5	19.4	19.9	18.9	19.3	18.2	17.1
90°	7.9	8.2	8.4	8.6	8.4	8.2	7.9	7.7	7.3	6.9	6.5
92.5°	7.7	7.8	7.9	8.0	7.9	7.8	7.7	7.6	7.3	6.9	6.5
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.3	6.9	6.5
97.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.6	10.9	13.2
100°	8.5	8.2	7.8	7.5	7.8	8.2	8.5	8.8	14.9	26.8	38.7
102.5°	61.3	55.9	50.5	45.1	50.5	55.9	61.3	66.8	70.6	72.8	75.1
105°	106.7	106.6	106.5	106.5	106.5	106.6	106.7	106.8	106.8	106.8	106.8
107.5°	134.9	134.7	134.4	134.2	134.4	134.7	134.9	135.1	135.2	135.2	135.2
110°	153.1	153.2	153.3	153.4	153.3	153.2	153.1	153.0	153.1	153.4	153.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	171.0	170.8	170.7	170.6	170.7	170.8	171.0	171.0	171.3	171.5	171.8
115°	197.8	197.3	196.9	196.4	196.9	197.3	197.8	198.3	198.7	199.0	199.3
117.5°	224.5	224.3	224.1	223.9	224.1	224.3	224.5	224.7	225.1	225.5	225.9
120°	242.0	241.6	241.2	240.8	241.2	241.6	242.0	242.4	242.7	242.9	243.0
122.5°	258.3	257.8	257.4	256.9	257.4	257.8	258.3	258.7	259.0	259.2	259.4
125°	282.0	281.8	281.5	281.3	281.5	281.8	282.0	282.3	282.6	282.9	283.2
127.5°	303.6	303.1	302.5	301.9	302.5	303.1	303.6	304.3	304.7	304.8	305.0
130°	318.0	317.6	317.2	316.8	317.2	317.6	318.0	318.4	318.7	318.9	319.2
132.5°	331.8	331.4	331.0	330.6	331.0	331.4	331.8	332.2	332.4	332.4	332.5
135°	350.9	350.4	349.9	349.4	349.9	350.4	350.9	351.3	351.6	351.8	352.0
137.5°	369.6	369.2	368.8	368.4	368.8	369.2	369.6	370.0	370.2	370.2	370.1
140°	381.0	380.5	380.0	379.5	380.0	380.5	381.0	381.4	381.6	381.4	381.3
142.5°	391.6	391.1	390.6	390.1	390.6	391.1	391.6	392.1	392.3	392.2	392.2
145°	407.1	406.6	406.2	405.7	406.2	406.6	407.1	407.6	407.8	407.7	407.7
147.5°	420.3	419.7	419.1	418.5	419.1	419.7	420.3	420.8	421.0	421.0	420.9
150°	428.7	428.1	427.5	426.8	427.5	428.1	428.7	429.4	429.6	429.4	429.3
152.5°	436.3	435.7	435.1	434.6	435.1	435.7	436.3	436.9	437.0	436.9	436.7
155°	446.6	446.0	445.4	444.7	445.4	446.0	446.6	447.3	447.5	447.3	447.0
157.5°	455.2	454.6	453.9	453.3	453.9	454.6	455.2	455.8	456.0	455.7	455.5
160°	460.7	460.0	459.4	458.8	459.4	460.0	460.7	461.3	461.4	461.1	460.8
162.5°	465.7	465.0	464.3	463.6	464.3	465.0	465.7	466.4	466.5	466.1	465.6
165°	472.1	471.4	470.8	470.2	470.8	471.4	472.1	472.8	472.9	472.4	471.9
167.5°	476.9	476.2	475.5	474.8	475.5	476.2	476.9	477.7	477.7	477.1	476.6
170°	479.5	478.8	478.1	477.4	478.1	478.8	479.5	480.2	480.3	479.7	479.0
172.5°	481.3	480.5	479.8	479.1	479.8	480.5	481.3	482.0	482.0	481.4	480.9
175°	483.5	482.8	482.0	481.3	482.0	482.8	483.5	484.2	484.2	483.5	482.9
177.5°	484.1	483.6	483.1	482.6	483.1	483.6	484.1	484.7	484.7	484.2	483.8
180°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5



TEST NUMBER: P333460-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1391.2	1397.1	1404.5	1409.9	1419.8	1424.3	1429.7	1434.2	1442.0	1449.5	1458.3
5°	1297.4	1307.9	1322.2	1337.5	1355.5	1367.8	1385.1	1395.6	1416.6	1435.8	1454.3
7.5°	1212.4	1225.3	1245.4	1265.2	1288.6	1309.9	1331.5	1355.5	1382.3	1413.9	1440.0
10°	1154.1	1171.5	1193.0	1217.7	1246.2	1270.9	1299.9	1325.8	1358.5	1395.6	1430.2
12.5°	1107.7	1122.5	1146.6	1170.4	1200.7	1230.8	1260.8	1295.2	1333.3	1374.4	1417.8
15°	1043.6	1056.0	1075.7	1108.4	1139.3	1168.9	1214.0	1246.2	1294.3	1340.1	1392.5
17.5°	988.9	1004.2	1020.9	1048.9	1080.9	1117.9	1158.2	1198.5	1244.9	1302.8	1362.0
20°	955.3	967.7	986.8	1008.4	1042.4	1079.4	1117.7	1158.5	1215.3	1275.2	1338.8
22.5°	918.8	932.1	953.7	977.3	1005.8	1041.4	1083.6	1128.3	1187.6	1246.5	1315.6
25°	875.7	884.9	904.7	925.7	954.1	984.4	1028.2	1077.6	1136.2	1203.6	1274.0
27.5°	835.0	843.2	861.2	879.5	905.1	941.1	980.2	1030.2	1085.4	1153.7	1231.7
30°	805.9	814.5	830.6	850.3	875.0	906.5	946.7	993.6	1052.9	1119.6	1201.1
32.5°	780.7	788.3	800.4	820.2	844.4	874.9	912.1	960.0	1019.3	1087.0	1167.0
35°	741.6	750.3	759.5	775.0	796.0	825.6	866.4	911.5	968.3	1033.7	1107.2
37.5°	702.9	712.3	720.5	734.4	753.5	779.7	814.9	861.8	913.2	976.3	1046.8
40°	678.7	686.0	692.8	707.7	726.8	751.5	784.3	826.2	880.6	939.3	997.9
42.5°	654.4	661.4	667.2	680.0	697.7	721.4	752.7	793.6	844.1	898.7	950.5
45°	616.3	620.6	627.4	638.5	652.8	674.3	704.6	741.0	783.6	835.5	874.4
47.5°	575.0	581.9	587.4	597.1	608.8	630.0	659.0	690.0	728.6	767.2	794.6
50°	543.4	550.2	558.3	567.5	578.6	598.4	625.0	656.4	689.1	718.8	742.3
52.5°	513.8	520.1	528.6	537.3	551.0	567.8	590.3	618.4	650.6	671.8	691.4
55°	469.9	473.0	482.9	491.5	504.5	516.9	539.7	564.4	584.2	600.2	616.3
57.5°	425.1	429.3	435.0	442.8	455.6	470.1	486.1	507.9	519.6	527.8	540.3
60°	396.5	397.7	401.4	410.7	420.6	433.5	452.0	467.5	476.1	482.9	493.4
62.5°	364.8	365.1	371.2	378.0	385.5	399.4	414.5	427.0	434.1	437.4	447.4
65°	320.5	319.2	323.0	328.5	337.2	346.4	359.4	370.5	369.9	373.6	379.8
67.5°	275.2	273.9	273.9	279.2	286.3	294.5	303.5	309.9	310.0	315.0	318.1
70°	244.5	240.8	243.3	247.6	250.7	257.5	267.4	269.9	270.5	272.9	276.0
72.5°	212.9	211.7	213.7	215.6	217.6	222.9	231.3	232.8	232.9	234.4	239.5
75°	169.2	167.9	166.8	168.6	171.0	174.8	177.8	180.3	179.7	180.3	184.0
77.5°	126.8	123.3	122.8	123.7	124.4	126.6	129.8	129.5	130.2	130.1	134.3
80°	100.7	95.7	95.1	95.1	95.7	97.0	98.2	99.4	97.6	99.4	100.7
82.5°	74.0	71.0	70.9	70.4	70.5	70.7	71.5	72.2	71.9	72.7	73.5
85°	40.7	39.5	37.7	38.9	38.3	36.4	37.7	35.8	35.2	35.8	36.4
87.5°	15.1	15.4	14.3	14.3	13.6	14.0	12.9	12.3	11.7	12.0	13.4
90°	6.1	5.7	5.1	4.6	4.0	3.5	2.9	2.3	1.7	1.0	0.4
92.5°	6.1	5.7	5.2	4.8	4.3	3.7	3.7	4.2	4.6	5.1	5.5
95°	6.1	5.7	8.8	11.8	14.8	17.8	19.5	19.7	20.0	20.2	20.4
97.5°	15.4	17.7	23.6	29.6	35.6	41.6	44.4	44.0	43.5	43.1	42.6
100°	50.5	62.3	62.0	61.7	61.4	61.1	60.8	60.6	60.4	60.1	59.8
102.5°	77.3	79.5	79.4	79.1	79.0	78.8	78.6	78.3	78.0	77.6	77.3
105°	106.8	106.8	106.8	106.8	106.8	106.8	106.6	106.3	106.0	105.7	105.4
107.5°	135.2	135.1	135.0	134.8	134.7	134.5	134.4	134.4	134.4	134.4	134.4
110°	153.8	154.1	153.9	153.8	153.6	153.4	153.4	153.4	153.4	153.4	153.4



TEST NUMBER: P333460-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	172.1	172.5	172.4	172.3	172.1	172.1	171.9	171.7	171.5	171.3	171.2
115°	199.6	199.9	199.9	199.8	199.7	199.6	199.4	199.0	198.6	198.2	197.8
117.5°	226.3	226.7	226.4	226.1	225.8	225.5	225.4	225.4	225.4	225.4	225.5
120°	243.2	243.4	243.1	242.9	242.6	242.4	242.3	242.4	242.5	242.6	242.6
122.5°	259.5	259.7	259.6	259.4	259.4	259.2	259.0	258.7	258.4	258.1	257.9
125°	283.5	283.8	283.8	283.8	283.8	283.8	283.5	283.0	282.4	281.9	281.3
127.5°	305.1	305.3	305.4	305.5	305.5	305.5	305.4	305.0	304.6	304.2	303.7
130°	319.4	319.6	319.6	319.5	319.4	319.3	319.1	318.7	318.3	317.9	317.5
132.5°	332.6	332.6	332.7	333.0	333.1	333.3	333.1	332.6	332.2	331.8	331.3
135°	352.1	352.3	352.4	352.6	352.8	352.9	352.8	352.3	351.8	351.3	350.9
137.5°	370.1	370.0	370.2	370.3	370.5	370.7	370.5	370.1	369.6	369.2	368.8
140°	381.1	381.0	381.0	381.1	381.2	381.3	381.2	381.0	380.9	380.7	380.6
142.5°	392.1	392.1	392.1	391.9	391.8	391.7	391.6	391.5	391.4	391.3	391.2
145°	407.6	407.5	407.5	407.5	407.5	407.5	407.4	407.3	407.1	406.9	406.8
147.5°	420.7	420.6	420.6	420.5	420.4	420.3	420.3	420.3	420.3	420.3	420.4
150°	429.1	429.0	428.8	428.6	428.5	428.3	428.3	428.5	428.6	428.8	429.0
152.5°	436.6	436.4	436.3	436.1	435.9	435.8	435.9	436.3	436.6	437.0	437.3
155°	446.8	446.6	446.4	446.2	446.1	445.9	446.1	446.6	447.0	447.5	448.0
157.5°	455.3	455.0	455.0	455.0	455.0	455.0	455.0	455.3	455.7	455.9	456.2
160°	460.5	460.2	460.1	460.0	459.9	459.9	460.0	460.5	461.0	461.4	461.9
162.5°	465.2	464.8	464.7	464.6	464.5	464.5	464.6	465.1	465.6	466.0	466.5
165°	471.3	470.9	470.8	470.7	470.6	470.6	470.8	471.3	471.7	472.2	472.7
167.5°	476.0	475.4	475.3	475.2	475.2	475.1	475.3	475.8	476.3	476.8	477.3
170°	478.3	477.7	477.6	477.5	477.4	477.4	477.6	478.2	478.7	479.3	479.9
172.5°	480.3	479.7	479.6	479.4	479.3	479.2	479.3	479.9	480.5	481.0	481.6
175°	482.3	481.6	481.6	481.5	481.4	481.3	481.6	482.0	482.5	483.0	483.5
177.5°	483.3	482.9	482.8	482.8	482.7	482.6	482.8	483.2	483.5	483.9	484.3
180°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5



TEST NUMBER: P333460-927

CATALOG NUMBER: S125DIW-S1270D470U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1462.8	1469.7	1474.2	1482.6	1489.5	1493.4	1496.9	1499.8	1503.3	1506.3	1514.7
5°	1472.2	1488.2	1501.8	1522.8	1542.0	1556.8	1572.8	1587.1	1598.8	1615.4	1628.4
7.5°	1468.1	1496.6	1526.5	1559.0	1592.2	1623.1	1651.5	1678.1	1702.2	1731.3	1756.8
10°	1464.1	1503.1	1541.3	1585.2	1630.2	1668.6	1704.4	1740.8	1767.4	1804.4	1835.9
12.5°	1461.2	1507.0	1553.2	1605.9	1655.4	1709.5	1757.2	1783.8	1824.2	1853.8	1891.3
15°	1448.7	1509.3	1572.8	1632.1	1702.5	1752.5	1794.5	1846.4	1884.0	1921.8	1962.5
17.5°	1426.3	1494.9	1566.1	1643.7	1711.3	1765.0	1819.1	1869.2	1914.1	1964.6	2015.3
20°	1415.9	1484.5	1566.1	1645.7	1711.7	1768.0	1823.5	1878.5	1927.9	1992.7	2051.4
22.5°	1394.2	1477.1	1552.2	1629.9	1698.0	1759.0	1822.1	1884.4	1950.1	2023.4	2096.8
25°	1355.5	1439.5	1519.1	1595.7	1664.2	1740.8	1808.1	1891.5	1975.5	2072.4	2163.8
27.5°	1315.2	1395.6	1468.6	1542.5	1622.5	1709.2	1796.5	1891.1	2001.1	2123.4	2252.3
30°	1282.6	1358.5	1429.6	1505.5	1588.9	1686.5	1782.2	1894.6	2021.8	2159.5	2312.6
32.5°	1244.5	1314.5	1383.6	1464.0	1554.8	1657.8	1769.3	1892.6	2045.5	2201.9	2359.6
35°	1179.5	1238.1	1309.2	1395.0	1497.5	1615.4	1744.5	1890.2	2065.6	2245.3	2378.1
37.5°	1102.2	1156.9	1231.7	1325.8	1433.3	1559.9	1713.0	1885.9	2072.2	2215.4	2258.3
40°	1050.4	1101.1	1178.8	1276.4	1386.3	1520.4	1688.3	1871.1	2051.4	2142.8	2107.6
42.5°	995.1	1048.2	1124.0	1220.6	1338.9	1484.8	1657.2	1840.0	1991.2	2025.7	1904.1
45°	907.8	962.7	1037.4	1135.0	1262.2	1420.3	1600.0	1766.1	1853.2	1790.8	1602.5
47.5°	826.6	878.1	947.4	1048.1	1179.3	1342.8	1515.9	1648.5	1655.3	1506.5	1305.4
50°	771.3	818.8	888.6	989.3	1119.6	1285.1	1441.3	1545.6	1498.7	1330.2	1136.9
52.5°	716.9	763.5	832.3	932.0	1060.8	1212.4	1357.8	1431.1	1342.6	1169.6	1004.5
55°	638.5	679.3	746.6	838.6	960.8	1101.7	1225.2	1250.5	1135.6	965.2	831.2
57.5°	562.0	600.0	661.2	746.0	857.8	982.5	1079.0	1073.6	952.2	806.0	699.7
60°	510.1	547.2	601.5	684.2	786.1	893.6	976.3	956.6	836.1	710.2	620.6
62.5°	463.7	496.7	548.1	620.5	713.5	813.0	881.0	851.8	733.9	623.7	552.9
65°	395.2	423.0	466.8	528.6	605.8	687.9	740.4	702.7	602.1	516.3	459.5
67.5°	329.9	352.1	388.9	438.2	504.0	570.0	602.0	564.0	483.5	420.9	378.8
70°	288.4	308.2	336.5	380.4	437.8	493.4	517.5	483.5	414.4	360.6	330.3
72.5°	246.9	263.2	288.1	327.6	373.6	421.8	442.9	410.4	353.6	308.2	280.0
75°	190.8	201.9	219.2	246.4	282.8	321.2	332.9	304.4	268.0	234.0	215.6
77.5°	136.6	146.0	159.1	176.3	202.1	226.4	236.6	220.2	192.0	170.6	155.3
80°	105.0	110.0	121.0	135.2	155.6	171.0	177.8	167.4	147.6	131.5	119.8
82.5°	74.9	79.8	86.4	98.2	111.1	121.7	129.0	121.9	107.6	95.0	88.2
85°	36.4	39.5	43.3	48.2	58.1	64.2	63.6	59.3	53.7	48.8	45.1
87.5°	13.1	13.6	15.3	17.9	19.5	21.5	22.7	21.8	19.9	18.5	17.1
90°	1.0	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.7	6.1	6.5
92.5°	5.1	4.6	4.2	3.7	3.7	4.3	4.8	5.2	5.7	6.1	6.5
95°	20.2	20.0	19.7	19.5	17.8	14.8	11.8	8.8	5.7	6.1	6.5
97.5°	43.1	43.5	44.0	44.4	41.6	35.6	29.6	23.6	17.7	15.4	13.2
100°	60.1	60.4	60.6	60.8	61.1	61.4	61.7	62.0	62.3	50.5	38.7
102.5°	77.6	78.0	78.3	78.6	78.8	79.0	79.1	79.4	79.5	77.3	75.1
105°	105.7	106.0	106.3	106.6	106.8	106.8	106.8	106.8	106.8	106.8	106.8
107.5°	134.4	134.4	134.4	134.4	134.5	134.7	134.8	135.0	135.1	135.2	135.2
110°	153.4	153.4	153.4	153.4	153.4	153.6	153.8	153.9	154.1	153.8	153.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	171.3	171.5	171.7	171.9	172.1	172.1	172.3	172.4	172.5	172.1	171.8
115°	198.2	198.6	199.0	199.4	199.6	199.7	199.8	199.9	199.9	199.6	199.3
117.5°	225.4	225.4	225.4	225.4	225.5	225.8	226.1	226.4	226.7	226.3	225.9
120°	242.6	242.5	242.4	242.3	242.4	242.6	242.9	243.1	243.4	243.2	243.0
122.5°	258.1	258.4	258.7	259.0	259.2	259.4	259.4	259.6	259.7	259.5	259.4
125°	281.9	282.4	283.0	283.5	283.8	283.8	283.8	283.8	283.8	283.5	283.2
127.5°	304.2	304.6	305.0	305.4	305.5	305.5	305.5	305.4	305.3	305.1	305.0
130°	317.9	318.3	318.7	319.1	319.3	319.4	319.5	319.6	319.6	319.4	319.2
132.5°	331.8	332.2	332.6	333.1	333.3	333.1	333.0	332.7	332.6	332.6	332.5
135°	351.3	351.8	352.3	352.8	352.9	352.8	352.6	352.4	352.3	352.1	352.0
137.5°	369.2	369.6	370.1	370.5	370.7	370.5	370.3	370.2	370.0	370.1	370.1
140°	380.7	380.9	381.0	381.2	381.3	381.2	381.1	381.0	381.0	381.1	381.3
142.5°	391.3	391.4	391.5	391.6	391.7	391.8	391.9	392.1	392.1	392.1	392.2
145°	406.9	407.1	407.3	407.4	407.5	407.5	407.5	407.5	407.5	407.6	407.7
147.5°	420.3	420.3	420.3	420.3	420.3	420.4	420.5	420.6	420.6	420.7	420.9
150°	428.8	428.6	428.5	428.3	428.3	428.5	428.6	428.8	429.0	429.1	429.3
152.5°	437.0	436.6	436.3	435.9	435.8	435.9	436.1	436.3	436.4	436.6	436.7
155°	447.5	447.0	446.6	446.1	445.9	446.1	446.2	446.4	446.6	446.8	447.0
157.5°	455.9	455.7	455.3	455.0	455.0	455.0	455.0	455.0	455.0	455.3	455.5
160°	461.4	461.0	460.5	460.0	459.9	459.9	460.0	460.1	460.2	460.5	460.8
162.5°	466.0	465.6	465.1	464.6	464.5	464.5	464.6	464.7	464.8	465.2	465.6
165°	472.2	471.7	471.3	470.8	470.6	470.6	470.7	470.8	470.9	471.3	471.9
167.5°	476.8	476.3	475.8	475.3	475.1	475.2	475.2	475.3	475.4	476.0	476.6
170°	479.3	478.7	478.2	477.6	477.4	477.4	477.5	477.6	477.7	478.3	479.0
172.5°	481.0	480.5	479.9	479.3	479.2	479.3	479.4	479.6	479.7	480.3	480.9
175°	483.0	482.5	482.0	481.6	481.3	481.4	481.5	481.6	481.6	482.3	482.9
177.5°	483.9	483.5	483.2	482.8	482.6	482.7	482.8	482.8	482.9	483.3	483.8
180°	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5	483.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9	1454.9
2.5°	1521.5	1525.5	1533.9	1531.0	1534.9	1536.9	1538.9
5°	1644.5	1664.2	1672.9	1671.7	1684.6	1681.5	1678.4
7.5°	1783.3	1804.0	1815.7	1830.1	1838.5	1839.1	1846.4
10°	1861.9	1889.0	1900.1	1915.6	1925.5	1931.0	1930.4
12.5°	1922.1	1943.4	1968.3	1975.9	1989.2	1996.2	1993.6
15°	1994.6	2028.5	2054.5	2067.4	2084.2	2089.1	2095.9
17.5°	2059.4	2104.9	2135.2	2175.4	2190.6	2199.9	2194.4
20°	2108.2	2168.1	2198.4	2246.5	2273.1	2287.3	2282.4
22.5°	2166.1	2230.9	2286.8	2328.5	2368.9	2388.1	2392.1
25°	2265.1	2354.0	2436.1	2491.1	2541.1	2552.8	2578.8
27.5°	2375.8	2480.6	2568.4	2626.2	2661.0	2674.1	2682.3
30°	2445.4	2549.7	2615.9	2652.9	2664.0	2662.8	2661.5
32.5°	2479.5	2544.8	2557.6	2547.2	2521.8	2500.2	2477.8
35°	2431.2	2382.4	2309.5	2215.7	2146.5	2076.7	2070.0
37.5°	2186.5	2030.5	1909.2	1773.8	1695.6	1647.3	1614.0
40°	1956.3	1779.1	1632.1	1517.9	1438.2	1406.8	1375.9
42.5°	1706.4	1537.0	1406.8	1311.4	1251.5	1216.6	1192.1
45°	1386.3	1236.9	1135.0	1065.9	1018.3	991.1	975.7
47.5°	1136.0	1025.5	938.9	889.0	856.1	835.0	835.1
50°	1001.6	896.0	838.6	799.1	770.6	754.0	757.1
52.5°	882.6	803.7	754.6	721.5	700.5	690.2	689.9
55°	737.9	681.1	649.0	625.0	610.7	599.0	601.5
57.5°	631.2	583.3	561.8	541.9	532.0	527.3	520.5
60°	565.1	528.0	509.5	493.4	483.5	479.8	473.0
62.5°	506.3	477.1	459.1	446.0	437.0	435.9	430.6
65°	425.5	403.2	387.2	381.0	371.8	369.3	369.3
67.5°	350.8	334.9	322.3	316.6	312.6	313.2	310.2
70°	303.8	290.9	282.8	276.6	273.5	274.2	271.7
72.5°	265.8	251.4	244.3	240.6	236.5	238.1	237.1
75°	201.3	193.9	190.2	186.5	184.0	182.8	181.6
77.5°	147.8	141.3	138.5	136.3	136.7	133.7	136.1
80°	114.2	108.7	106.9	103.8	103.1	103.1	102.5
82.5°	83.6	80.5	79.1	76.6	75.5	76.4	74.9
85°	43.3	40.7	40.2	40.2	38.9	37.7	40.7
87.5°	17.2	15.3	15.4	14.9	15.0	14.5	13.5
90°	6.9	7.3	7.7	7.9	8.2	8.4	8.6
92.5°	6.9	7.3	7.6	7.7	7.8	7.9	8.0
95°	6.9	7.3	7.5	7.5	7.5	7.5	7.5
97.5°	10.9	8.6	7.5	7.5	7.5	7.5	7.5
100°	26.8	14.9	8.8	8.5	8.2	7.8	7.5
102.5°	72.8	70.6	66.8	61.3	55.9	50.5	45.1
105°	106.8	106.8	106.8	106.7	106.6	106.5	106.5
107.5°	135.2	135.2	135.1	134.9	134.7	134.4	134.2
110°	153.4	153.1	153.0	153.1	153.2	153.3	153.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	171.5	171.3	171.0	171.0	170.8	170.7	170.6
115°	199.0	198.7	198.3	197.8	197.3	196.9	196.4
117.5°	225.5	225.1	224.7	224.5	224.3	224.1	223.9
120°	242.9	242.7	242.4	242.0	241.6	241.2	240.8
122.5°	259.2	259.0	258.7	258.3	257.8	257.4	256.9
125°	282.9	282.6	282.3	282.0	281.8	281.5	281.3
127.5°	304.8	304.7	304.3	303.6	303.1	302.5	301.9
130°	318.9	318.7	318.4	318.0	317.6	317.2	316.8
132.5°	332.4	332.4	332.2	331.8	331.4	331.0	330.6
135°	351.8	351.6	351.3	350.9	350.4	349.9	349.4
137.5°	370.2	370.2	370.0	369.6	369.2	368.8	368.4
140°	381.4	381.6	381.4	381.0	380.5	380.0	379.5
142.5°	392.2	392.3	392.1	391.6	391.1	390.6	390.1
145°	407.7	407.8	407.6	407.1	406.6	406.2	405.7
147.5°	421.0	421.0	420.8	420.3	419.7	419.1	418.5
150°	429.4	429.6	429.4	428.7	428.1	427.5	426.8
152.5°	436.9	437.0	436.9	436.3	435.7	435.1	434.6
155°	447.3	447.5	447.3	446.6	446.0	445.4	444.7
157.5°	455.7	456.0	455.8	455.2	454.6	453.9	453.3
160°	461.1	461.4	461.3	460.7	460.0	459.4	458.8
162.5°	466.1	466.5	466.4	465.7	465.0	464.3	463.6
165°	472.4	472.9	472.8	472.1	471.4	470.8	470.2
167.5°	477.1	477.7	477.7	476.9	476.2	475.5	474.8
170°	479.7	480.3	480.2	479.5	478.8	478.1	477.4
172.5°	481.4	482.0	482.0	481.3	480.5	479.8	479.1
175°	483.5	484.2	484.2	483.5	482.8	482.0	481.3
177.5°	484.2	484.7	484.7	484.1	483.6	483.1	482.6
180°	483.5	483.5	483.5	483.5	483.5	483.5	483.5

(END OF REPORT)