

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: P333306-927

Luminaire Tested: **S125DIP-S1270D590U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333306-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1270D590U927-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5787.5 lumens
Efficiency: N/A
Efficacy: 105.0 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

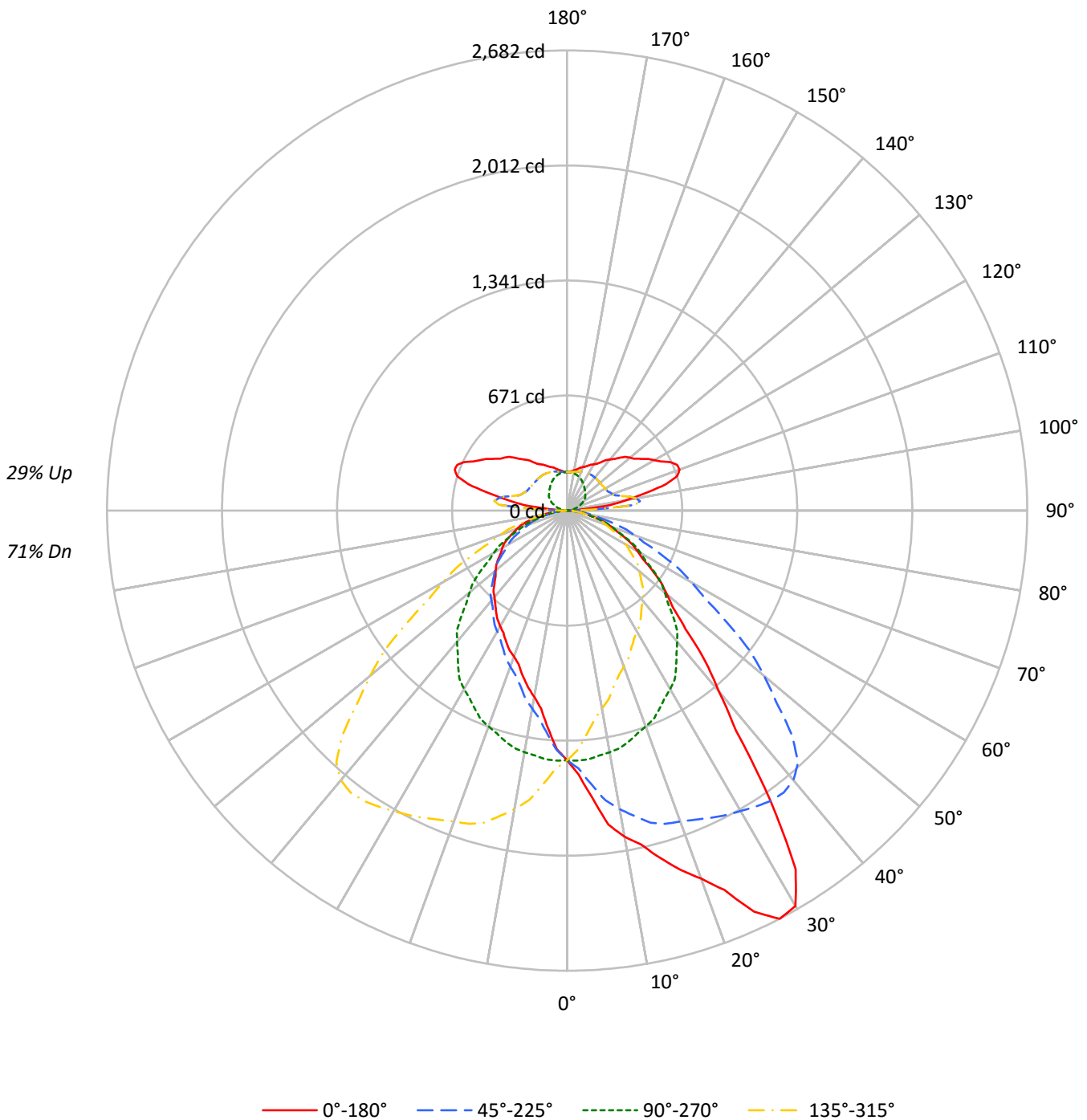
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71
1	103	98	95	91	97	93	90	87	84	81	79	75	73	71	67	66	64	60
2	94	86	80	75	89	82	77	72	74	70	66	66	63	60	59	57	55	51
3	86	76	69	63	81	72	66	60	65	60	56	59	55	51	53	50	47	44
4	79	68	60	53	74	64	57	52	58	52	48	53	48	44	47	44	41	38
5	72	61	52	46	68	58	50	44	52	46	41	47	42	38	43	39	35	33
6	67	54	46	40	63	52	44	39	47	41	36	43	38	34	39	35	31	29
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	36	31	28	26
8	58	45	37	31	54	43	36	31	39	33	29	36	31	27	33	28	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	23	21
10	50	38	30	25	48	36	29	25	33	27	23	31	25	22	28	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	2.4
10°-20°	417.0	7.2
20°-30°	677.1	11.7
30°-40°	826.0	14.3
40°-50°	751.4	13.0
50°-60°	598.5	10.3
60°-70°	416.9	7.2
70°-80°	222.3	3.8
80°-90°	57.4	1.0
90°-100°	162.5	2.8
100°-110°	349.2	6.0
110°-120°	327.8	5.7
120°-130°	265.6	4.6
130°-140°	213.2	3.7
140°-150°	160.9	2.8
150°-160°	113.2	2.0
160°-170°	66.7	1.2
170°-180°	21.7	0.4
0°-30°	1234.2	21.3
0°-40°	2060.2	35.6
0°-60°	3410.1	58.9
0°-90°	4106.7	71.0
90°-120°	839.5	14.5
90°-150°	1479.1	25.6
90°-180°	1681.0	29.0
0°-180°	5787.5	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°	10	0	10	0	10	9
95°	106	15	106	15	106	150
105°	599	51	599	51	599	595
115°	667	91	667	91	667	652
125°	526	126	526	126	526	475
135°	436	148	436	148	436	338
145°	344	173	344	173	344	219
155°	289	197	289	197	289	135
165°	253	215	253	215	253	72
175°	227	224	227	224	227	22
180°	224	224	224	224	224	



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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°	13.9	14.9	15.3	15.3	15.8	15.6	17.5	17.4	18.9	20.2	22.0
90°	10.4	10.4	9.9	9.9	9.9	9.0	8.6	8.2	7.7	7.2	6.3
92.5°	28.8	29.5	30.2	31.3	37.1	43.7	58.1	80.1	118.0	145.7	148.1
95°	106.2	113.4	117.0	130.6	162.7	200.7	256.2	324.9	391.8	400.4	326.7
97.5°	256.7	262.4	275.5	300.9	328.8	381.6	435.7	483.9	495.7	427.5	291.8
100°	352.4	359.7	376.4	408.9	440.1	487.1	533.7	555.8	521.0	408.1	260.3
102.5°	459.5	464.9	483.1	506.2	539.6	571.3	593.7	580.0	505.8	373.7	236.4
105°	598.7	604.2	613.2	628.1	642.5	647.5	627.6	565.8	457.3	327.6	213.3
107.5°	672.6	676.3	679.3	679.4	672.0	648.5	597.4	514.8	407.8	295.9	203.5
110°	697.3	697.3	694.1	685.5	665.2	626.8	563.1	477.2	379.6	281.1	200.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	694.3	691.1	683.3	668.5	638.8	593.5	529.1	447.6	358.6	272.4	200.7
115°	667.0	661.1	648.5	626.8	591.5	542.2	480.4	410.3	335.7	263.0	202.0
117.5°	619.0	615.4	602.9	580.4	545.2	499.9	446.6	386.3	322.1	258.4	204.9
120°	587.9	584.3	572.1	550.4	517.0	477.2	427.5	373.3	314.5	256.2	207.9
122.5°	560.4	557.1	544.9	525.1	495.3	458.0	413.8	363.5	308.0	254.4	210.4
125°	525.5	521.0	511.1	492.6	467.2	434.7	395.4	349.3	299.1	252.2	214.7
127.5°	495.7	493.7	484.3	467.9	445.0	414.5	377.9	334.9	291.0	251.0	219.4
130°	479.4	476.7	467.7	452.8	430.2	400.8	365.6	325.8	285.6	250.3	222.4
132.5°	463.2	460.1	451.8	436.9	414.3	386.0	354.0	316.8	281.2	250.3	225.6
135°	436.5	433.8	425.6	410.7	390.9	365.1	336.2	305.0	276.1	250.3	230.0
137.5°	408.1	405.0	397.6	384.0	366.2	344.4	320.3	295.1	271.5	250.9	234.1
140°	388.2	385.9	379.1	367.4	350.7	331.7	310.9	289.6	269.3	251.3	235.9
142.5°	369.7	367.8	361.4	351.5	337.3	320.8	302.9	284.9	267.5	251.6	236.9
145°	344.4	342.5	337.5	329.9	319.0	306.8	292.8	278.8	264.8	251.3	238.1
147.5°	322.8	322.0	319.1	313.0	304.4	295.2	284.4	273.1	262.0	250.1	238.6
150°	310.9	310.5	308.6	303.2	296.4	288.3	279.7	269.7	259.8	249.0	238.6
152.5°	301.5	301.0	299.2	294.9	289.2	282.9	275.0	266.2	257.3	247.6	238.2
155°	288.8	288.3	286.9	283.8	279.2	274.3	268.0	260.7	253.0	244.9	237.3
157.5°	277.3	277.4	276.2	273.5	270.1	266.2	261.3	255.3	249.1	242.2	236.1
160°	269.7	270.2	269.3	267.0	263.9	260.7	256.2	251.7	245.8	240.4	235.0
162.5°	262.9	263.0	262.8	260.9	258.5	255.6	251.9	247.7	243.0	238.2	233.9
165°	253.0	253.0	253.0	252.2	250.3	248.1	245.3	242.2	238.6	235.0	232.3
167.5°	244.0	244.1	244.5	243.7	242.7	241.1	239.1	236.9	234.3	231.8	229.7
170°	238.6	239.1	239.1	238.6	237.7	236.8	235.4	234.1	231.8	230.0	228.6
172.5°	233.5	234.0	234.7	233.9	233.7	233.1	232.2	230.8	229.3	227.8	227.2
175°	227.3	227.8	228.6	228.2	228.2	228.2	227.3	227.3	225.9	225.5	225.5
177.5°	224.1	224.1	225.2	224.8	225.2	225.2	225.2	224.8	224.5	224.1	224.1
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



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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°	22.9	21.7	19.6	18.0	15.4	13.7	13.0	13.5	12.0	11.7	12.4
90°	5.9	5.0	4.5	3.6	2.7	1.8	0.9	0.5	0.9	1.8	2.7
92.5°	103.1	61.7	37.1	23.8	16.1	10.5	6.7	5.5	6.7	10.5	16.1
95°	202.0	102.6	54.3	33.9	23.9	19.0	15.4	14.9	15.4	19.0	23.9
97.5°	161.2	88.4	56.4	41.7	32.8	27.8	25.3	24.8	25.3	27.8	32.8
100°	146.4	87.7	61.5	47.9	39.3	34.4	32.6	31.6	32.6	34.4	39.3
102.5°	140.3	90.9	67.6	54.4	46.6	41.2	39.8	39.2	39.8	41.2	46.6
105°	137.8	97.6	77.7	65.0	57.8	53.3	51.1	51.1	51.1	53.3	57.8
107.5°	142.0	107.6	88.3	76.9	69.4	65.7	63.5	62.7	63.5	65.7	69.4
110°	145.9	114.8	96.3	84.5	77.7	73.7	71.9	71.0	71.9	73.7	77.7



TEST NUMBER: P333306-927

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	151.0	121.7	103.9	92.4	85.7	81.6	80.2	79.3	80.2	81.6	85.7
115°	158.6	132.4	115.7	104.4	97.6	93.6	92.2	91.3	92.2	93.6	97.6
117.5°	167.3	143.5	127.6	116.7	109.0	105.0	103.5	102.1	103.5	105.0	109.0
120°	173.1	151.4	135.5	124.3	116.6	112.5	110.7	109.3	110.7	112.5	116.6
122.5°	179.6	159.0	143.1	131.9	123.4	119.4	118.0	116.9	118.0	119.4	123.4
125°	188.5	169.0	154.1	142.4	133.7	129.7	127.5	126.5	127.5	129.7	133.7
127.5°	196.5	178.6	164.3	152.6	143.5	138.3	135.4	134.0	135.4	138.3	143.5
130°	202.0	184.8	170.8	159.1	149.6	143.7	140.1	138.7	140.1	143.7	149.6
132.5°	206.7	190.6	176.6	164.9	155.0	148.4	144.1	142.4	144.1	148.4	155.0
135°	213.3	198.4	184.3	172.1	162.7	155.4	150.0	148.2	150.0	155.4	162.7
137.5°	218.2	203.9	191.2	178.6	169.3	162.1	157.0	155.7	157.0	162.1	169.3
140°	221.4	207.9	194.8	182.6	174.0	166.8	161.3	159.9	161.3	166.8	174.0
142.5°	223.2	210.4	198.0	186.6	178.3	171.1	166.0	165.0	166.0	171.1	178.3
145°	225.9	214.7	202.9	192.5	184.3	178.0	173.5	172.6	173.5	178.0	184.3
147.5°	227.6	217.4	207.1	197.9	190.8	185.0	181.1	180.5	181.1	185.0	190.8
150°	228.6	219.2	209.2	201.5	195.2	189.3	186.2	185.3	186.2	189.3	195.2
152.5°	229.3	220.9	211.8	204.8	198.8	193.7	190.8	190.4	190.8	193.7	198.8
155°	230.0	222.8	215.1	208.7	204.2	199.7	197.0	197.0	197.0	199.7	204.2
157.5°	230.4	224.3	217.7	212.9	209.0	205.1	202.9	203.0	202.9	205.1	209.0
160°	230.4	225.1	219.2	215.1	211.5	208.3	206.5	207.0	206.5	208.3	211.5
162.5°	230.1	225.8	220.6	217.3	214.4	211.6	209.8	210.2	209.8	211.6	214.4
165°	229.6	225.9	222.4	219.6	217.8	215.6	214.2	215.1	214.2	215.6	217.8
167.5°	228.5	225.9	222.9	221.3	220.0	218.7	217.9	218.3	217.9	218.7	220.0
170°	227.8	225.9	223.7	222.4	221.4	220.5	220.1	220.5	220.1	220.5	221.4
172.5°	227.0	225.6	223.7	223.1	222.5	221.6	221.2	222.0	221.2	221.6	222.5
175°	225.9	225.1	223.7	223.7	223.7	223.2	222.8	223.7	222.8	223.2	223.7
177.5°	224.8	224.5	223.8	223.8	224.1	223.8	223.8	224.5	223.8	223.8	224.1
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333306-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-A4

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°	13.1	14.3	13.9	14.5	14.6	15.8	15.4	17.4	18.5	19.6	19.3
90°	3.6	4.5	5.0	5.9	6.3	7.2	7.7	8.2	8.6	9.0	9.9
92.5°	23.8	37.1	61.7	103.1	148.1	145.7	118.0	80.1	58.1	43.7	37.1
95°	33.9	54.3	102.6	202.0	326.7	400.4	391.8	324.9	256.2	200.7	162.7
97.5°	41.7	56.4	88.4	161.2	291.8	427.5	495.7	483.9	435.7	381.6	328.8
100°	47.9	61.5	87.7	146.4	260.3	408.1	521.0	555.8	533.7	487.1	440.1
102.5°	54.4	67.6	90.9	140.3	236.4	373.7	505.8	580.0	593.7	571.3	539.6
105°	65.0	77.7	97.6	137.8	213.3	327.6	457.3	565.8	627.6	647.5	642.5
107.5°	76.9	88.3	107.6	142.0	203.5	295.9	407.8	514.8	597.4	648.5	672.0
110°	84.5	96.3	114.8	145.9	200.7	281.1	379.6	477.2	563.1	626.8	665.2



TEST NUMBER: P333306-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	92.4	103.9	121.7	151.0	200.7	272.4	358.6	447.6	529.1	593.5	638.8
115°	104.4	115.7	132.4	158.6	202.0	263.0	335.7	410.3	480.4	542.2	591.5
117.5°	116.7	127.6	143.5	167.3	204.9	258.4	322.1	386.3	446.6	499.9	545.2
120°	124.3	135.5	151.4	173.1	207.9	256.2	314.5	373.3	427.5	477.2	517.0
122.5°	131.9	143.1	159.0	179.6	210.4	254.4	308.0	363.5	413.8	458.0	495.3
125°	142.4	154.1	169.0	188.5	214.7	252.2	299.1	349.3	395.4	434.7	467.2
127.5°	152.6	164.3	178.6	196.5	219.4	251.0	291.0	334.9	377.9	414.5	445.0
130°	159.1	170.8	184.8	202.0	222.4	250.3	285.6	325.8	365.6	400.8	430.2
132.5°	164.9	176.6	190.6	206.7	225.6	250.3	281.2	316.8	354.0	386.0	414.3
135°	172.1	184.3	198.4	213.3	230.0	250.3	276.1	305.0	336.2	365.1	390.9
137.5°	178.6	191.2	203.9	218.2	234.1	250.9	271.5	295.1	320.3	344.4	366.2
140°	182.6	194.8	207.9	221.4	235.9	251.3	269.3	289.6	310.9	331.7	350.7
142.5°	186.6	198.0	210.4	223.2	236.9	251.6	267.5	284.9	302.9	320.8	337.3
145°	192.5	202.9	214.7	225.9	238.1	251.3	264.8	278.8	292.8	306.8	319.0
147.5°	197.9	207.1	217.4	227.6	238.6	250.1	262.0	273.1	284.4	295.2	304.4
150°	201.5	209.2	219.2	228.6	238.6	249.0	259.8	269.7	279.7	288.3	296.4
152.5°	204.8	211.8	220.9	229.3	238.2	247.6	257.3	266.2	275.0	282.9	289.2
155°	208.7	215.1	222.8	230.0	237.3	244.9	253.0	260.7	268.0	274.3	279.2
157.5°	212.9	217.7	224.3	230.4	236.1	242.2	249.1	255.3	261.3	266.2	270.1
160°	215.1	219.2	225.1	230.4	235.0	240.4	245.8	251.7	256.2	260.7	263.9
162.5°	217.3	220.6	225.8	230.1	233.9	238.2	243.0	247.7	251.9	255.6	258.5
165°	219.6	222.4	225.9	229.6	232.3	235.0	238.6	242.2	245.3	248.1	250.3
167.5°	221.3	222.9	225.9	228.5	229.7	231.8	234.3	236.9	239.1	241.1	242.7
170°	222.4	223.7	225.9	227.8	228.6	230.0	231.8	234.1	235.4	236.8	237.7
172.5°	223.1	223.7	225.6	227.0	227.2	227.8	229.3	230.8	232.2	233.1	233.7
175°	223.7	223.7	225.1	225.9	225.5	225.5	225.9	227.3	227.3	228.2	228.2
177.5°	223.8	223.8	224.5	224.8	224.1	224.1	224.5	224.8	225.2	225.2	225.2
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333306-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-A4

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°	20.3	19.8	19.9	20.8	19.9	19.8	20.3	19.3	19.6	18.5	17.4
90°	9.9	9.9	10.4	10.4	10.4	9.9	9.9	9.9	9.0	8.6	8.2
92.5°	31.3	30.2	29.5	28.8	29.5	30.2	31.3	37.1	43.7	58.1	80.1
95°	130.6	117.0	113.4	106.2	113.4	117.0	130.6	162.7	200.7	256.2	324.9
97.5°	300.9	275.5	262.4	256.7	262.4	275.5	300.9	328.8	381.6	435.7	483.9
100°	408.9	376.4	359.7	352.4	359.7	376.4	408.9	440.1	487.1	533.7	555.8
102.5°	506.2	483.1	464.9	459.5	464.9	483.1	506.2	539.6	571.3	593.7	580.0
105°	628.1	613.2	604.2	598.7	604.2	613.2	628.1	642.5	647.5	627.6	565.8
107.5°	679.4	679.3	676.3	672.6	676.3	679.3	679.4	672.0	648.5	597.4	514.8
110°	685.5	694.1	697.3	697.3	697.3	694.1	685.5	665.2	626.8	563.1	477.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	668.5	683.3	691.1	694.3	691.1	683.3	668.5	638.8	593.5	529.1	447.6
115°	626.8	648.5	661.1	667.0	661.1	648.5	626.8	591.5	542.2	480.4	410.3
117.5°	580.4	602.9	615.4	619.0	615.4	602.9	580.4	545.2	499.9	446.6	386.3
120°	550.4	572.1	584.3	587.9	584.3	572.1	550.4	517.0	477.2	427.5	373.3
122.5°	525.1	544.9	557.1	560.4	557.1	544.9	525.1	495.3	458.0	413.8	363.5
125°	492.6	511.1	521.0	525.5	521.0	511.1	492.6	467.2	434.7	395.4	349.3
127.5°	467.9	484.3	493.7	495.7	493.7	484.3	467.9	445.0	414.5	377.9	334.9
130°	452.8	467.7	476.7	479.4	476.7	467.7	452.8	430.2	400.8	365.6	325.8
132.5°	436.9	451.8	460.1	463.2	460.1	451.8	436.9	414.3	386.0	354.0	316.8
135°	410.7	425.6	433.8	436.5	433.8	425.6	410.7	390.9	365.1	336.2	305.0
137.5°	384.0	397.6	405.0	408.1	405.0	397.6	384.0	366.2	344.4	320.3	295.1
140°	367.4	379.1	385.9	388.2	385.9	379.1	367.4	350.7	331.7	310.9	289.6
142.5°	351.5	361.4	367.8	369.7	367.8	361.4	351.5	337.3	320.8	302.9	284.9
145°	329.9	337.5	342.5	344.4	342.5	337.5	329.9	319.0	306.8	292.8	278.8
147.5°	313.0	319.1	322.0	322.8	322.0	319.1	313.0	304.4	295.2	284.4	273.1
150°	303.2	308.6	310.5	310.9	310.5	308.6	303.2	296.4	288.3	279.7	269.7
152.5°	294.9	299.2	301.0	301.5	301.0	299.2	294.9	289.2	282.9	275.0	266.2
155°	283.8	286.9	288.3	288.8	288.3	286.9	283.8	279.2	274.3	268.0	260.7
157.5°	273.5	276.2	277.4	277.3	277.4	276.2	273.5	270.1	266.2	261.3	255.3
160°	267.0	269.3	270.2	269.7	270.2	269.3	267.0	263.9	260.7	256.2	251.7
162.5°	260.9	262.8	263.0	262.9	263.0	262.8	260.9	258.5	255.6	251.9	247.7
165°	252.2	253.0	253.0	253.0	253.0	253.0	252.2	250.3	248.1	245.3	242.2
167.5°	243.7	244.5	244.1	244.0	244.1	244.5	243.7	242.7	241.1	239.1	236.9
170°	238.6	239.1	239.1	238.6	239.1	239.1	238.6	237.7	236.8	235.4	234.1
172.5°	233.9	234.7	234.0	233.5	234.0	234.7	233.9	233.7	233.1	232.2	230.8
175°	228.2	228.6	227.8	227.3	227.8	228.6	228.2	228.2	228.2	227.3	227.3
177.5°	224.8	225.2	224.1	224.1	224.1	225.2	224.8	225.2	225.2	225.2	224.8
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333306-927

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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°	15.4	15.8	14.6	14.5	13.9	14.3	13.1	12.4	11.7	12.0	13.5
90°	7.7	7.2	6.3	5.9	5.0	4.5	3.6	2.7	1.8	0.9	0.5
92.5°	118.0	145.7	148.1	103.1	61.7	37.1	23.8	16.1	10.5	6.7	5.5
95°	391.8	400.4	326.7	202.0	102.6	54.3	33.9	23.9	19.0	15.4	14.9
97.5°	495.7	427.5	291.8	161.2	88.4	56.4	41.7	32.8	27.8	25.3	24.8
100°	521.0	408.1	260.3	146.4	87.7	61.5	47.9	39.3	34.4	32.6	31.6
102.5°	505.8	373.7	236.4	140.3	90.9	67.6	54.4	46.6	41.2	39.8	39.2
105°	457.3	327.6	213.3	137.8	97.6	77.7	65.0	57.8	53.3	51.1	51.1
107.5°	407.8	295.9	203.5	142.0	107.6	88.3	76.9	69.4	65.7	63.5	62.7
110°	379.6	281.1	200.7	145.9	114.8	96.3	84.5	77.7	73.7	71.9	71.0



TEST NUMBER: P333306-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	358.6	272.4	200.7	151.0	121.7	103.9	92.4	85.7	81.6	80.2	79.3
115°	335.7	263.0	202.0	158.6	132.4	115.7	104.4	97.6	93.6	92.2	91.3
117.5°	322.1	258.4	204.9	167.3	143.5	127.6	116.7	109.0	105.0	103.5	102.1
120°	314.5	256.2	207.9	173.1	151.4	135.5	124.3	116.6	112.5	110.7	109.3
122.5°	308.0	254.4	210.4	179.6	159.0	143.1	131.9	123.4	119.4	118.0	116.9
125°	299.1	252.2	214.7	188.5	169.0	154.1	142.4	133.7	129.7	127.5	126.5
127.5°	291.0	251.0	219.4	196.5	178.6	164.3	152.6	143.5	138.3	135.4	134.0
130°	285.6	250.3	222.4	202.0	184.8	170.8	159.1	149.6	143.7	140.1	138.7
132.5°	281.2	250.3	225.6	206.7	190.6	176.6	164.9	155.0	148.4	144.1	142.4
135°	276.1	250.3	230.0	213.3	198.4	184.3	172.1	162.7	155.4	150.0	148.2
137.5°	271.5	250.9	234.1	218.2	203.9	191.2	178.6	169.3	162.1	157.0	155.7
140°	269.3	251.3	235.9	221.4	207.9	194.8	182.6	174.0	166.8	161.3	159.9
142.5°	267.5	251.6	236.9	223.2	210.4	198.0	186.6	178.3	171.1	166.0	165.0
145°	264.8	251.3	238.1	225.9	214.7	202.9	192.5	184.3	178.0	173.5	172.6
147.5°	262.0	250.1	238.6	227.6	217.4	207.1	197.9	190.8	185.0	181.1	180.5
150°	259.8	249.0	238.6	228.6	219.2	209.2	201.5	195.2	189.3	186.2	185.3
152.5°	257.3	247.6	238.2	229.3	220.9	211.8	204.8	198.8	193.7	190.8	190.4
155°	253.0	244.9	237.3	230.0	222.8	215.1	208.7	204.2	199.7	197.0	197.0
157.5°	249.1	242.2	236.1	230.4	224.3	217.7	212.9	209.0	205.1	202.9	203.0
160°	245.8	240.4	235.0	230.4	225.1	219.2	215.1	211.5	208.3	206.5	207.0
162.5°	243.0	238.2	233.9	230.1	225.8	220.6	217.3	214.4	211.6	209.8	210.2
165°	238.6	235.0	232.3	229.6	225.9	222.4	219.6	217.8	215.6	214.2	215.1
167.5°	234.3	231.8	229.7	228.5	225.9	222.9	221.3	220.0	218.7	217.9	218.3
170°	231.8	230.0	228.6	227.8	225.9	223.7	222.4	221.4	220.5	220.1	220.5
172.5°	229.3	227.8	227.2	227.0	225.6	223.7	223.1	222.5	221.6	221.2	222.0
175°	225.9	225.5	225.5	225.9	225.1	223.7	223.7	223.7	223.2	222.8	223.7
177.5°	224.5	224.1	224.1	224.8	224.5	223.8	223.8	224.1	223.8	223.8	224.5
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333306-927

CATALOG NUMBER: S125DIP-S1270D590U927-4F0-1E-UDD-A4

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°	13.0	13.7	15.4	18.0	19.6	21.7	22.9	22.0	20.2	18.9	17.4
90°	0.9	1.8	2.7	3.6	4.5	5.0	5.9	6.3	7.2	7.7	8.2
92.5°	6.7	10.5	16.1	23.8	37.1	61.7	103.1	148.1	145.7	118.0	80.1
95°	15.4	19.0	23.9	33.9	54.3	102.6	202.0	326.7	400.4	391.8	324.9
97.5°	25.3	27.8	32.8	41.7	56.4	88.4	161.2	291.8	427.5	495.7	483.9
100°	32.6	34.4	39.3	47.9	61.5	87.7	146.4	260.3	408.1	521.0	555.8
102.5°	39.8	41.2	46.6	54.4	67.6	90.9	140.3	236.4	373.7	505.8	580.0
105°	51.1	53.3	57.8	65.0	77.7	97.6	137.8	213.3	327.6	457.3	565.8
107.5°	63.5	65.7	69.4	76.9	88.3	107.6	142.0	203.5	295.9	407.8	514.8
110°	71.9	73.7	77.7	84.5	96.3	114.8	145.9	200.7	281.1	379.6	477.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	80.2	81.6	85.7	92.4	103.9	121.7	151.0	200.7	272.4	358.6	447.6
115°	92.2	93.6	97.6	104.4	115.7	132.4	158.6	202.0	263.0	335.7	410.3
117.5°	103.5	105.0	109.0	116.7	127.6	143.5	167.3	204.9	258.4	322.1	386.3
120°	110.7	112.5	116.6	124.3	135.5	151.4	173.1	207.9	256.2	314.5	373.3
122.5°	118.0	119.4	123.4	131.9	143.1	159.0	179.6	210.4	254.4	308.0	363.5
125°	127.5	129.7	133.7	142.4	154.1	169.0	188.5	214.7	252.2	299.1	349.3
127.5°	135.4	138.3	143.5	152.6	164.3	178.6	196.5	219.4	251.0	291.0	334.9
130°	140.1	143.7	149.6	159.1	170.8	184.8	202.0	222.4	250.3	285.6	325.8
132.5°	144.1	148.4	155.0	164.9	176.6	190.6	206.7	225.6	250.3	281.2	316.8
135°	150.0	155.4	162.7	172.1	184.3	198.4	213.3	230.0	250.3	276.1	305.0
137.5°	157.0	162.1	169.3	178.6	191.2	203.9	218.2	234.1	250.9	271.5	295.1
140°	161.3	166.8	174.0	182.6	194.8	207.9	221.4	235.9	251.3	269.3	289.6
142.5°	166.0	171.1	178.3	186.6	198.0	210.4	223.2	236.9	251.6	267.5	284.9
145°	173.5	178.0	184.3	192.5	202.9	214.7	225.9	238.1	251.3	264.8	278.8
147.5°	181.1	185.0	190.8	197.9	207.1	217.4	227.6	238.6	250.1	262.0	273.1
150°	186.2	189.3	195.2	201.5	209.2	219.2	228.6	238.6	249.0	259.8	269.7
152.5°	190.8	193.7	198.8	204.8	211.8	220.9	229.3	238.2	247.6	257.3	266.2
155°	197.0	199.7	204.2	208.7	215.1	222.8	230.0	237.3	244.9	253.0	260.7
157.5°	202.9	205.1	209.0	212.9	217.7	224.3	230.4	236.1	242.2	249.1	255.3
160°	206.5	208.3	211.5	215.1	219.2	225.1	230.4	235.0	240.4	245.8	251.7
162.5°	209.8	211.6	214.4	217.3	220.6	225.8	230.1	233.9	238.2	243.0	247.7
165°	214.2	215.6	217.8	219.6	222.4	225.9	229.6	232.3	235.0	238.6	242.2
167.5°	217.9	218.7	220.0	221.3	222.9	225.9	228.5	229.7	231.8	234.3	236.9
170°	220.1	220.5	221.4	222.4	223.7	225.9	227.8	228.6	230.0	231.8	234.1
172.5°	221.2	221.6	222.5	223.1	223.7	225.6	227.0	227.2	227.8	229.3	230.8
175°	222.8	223.2	223.7	223.7	223.7	225.1	225.9	225.5	225.5	225.9	227.3
177.5°	223.8	223.8	224.1	223.8	223.8	224.5	224.8	224.1	224.1	224.5	224.8
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



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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°	17.5	15.6	15.8	15.3	15.3	14.9	13.9
90°	8.6	9.0	9.9	9.9	9.9	10.4	10.4
92.5°	58.1	43.7	37.1	31.3	30.2	29.5	28.8
95°	256.2	200.7	162.7	130.6	117.0	113.4	106.2
97.5°	435.7	381.6	328.8	300.9	275.5	262.4	256.7
100°	533.7	487.1	440.1	408.9	376.4	359.7	352.4
102.5°	593.7	571.3	539.6	506.2	483.1	464.9	459.5
105°	627.6	647.5	642.5	628.1	613.2	604.2	598.7
107.5°	597.4	648.5	672.0	679.4	679.3	676.3	672.6
110°	563.1	626.8	665.2	685.5	694.1	697.3	697.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	529.1	593.5	638.8	668.5	683.3	691.1	694.3
115°	480.4	542.2	591.5	626.8	648.5	661.1	667.0
117.5°	446.6	499.9	545.2	580.4	602.9	615.4	619.0
120°	427.5	477.2	517.0	550.4	572.1	584.3	587.9
122.5°	413.8	458.0	495.3	525.1	544.9	557.1	560.4
125°	395.4	434.7	467.2	492.6	511.1	521.0	525.5
127.5°	377.9	414.5	445.0	467.9	484.3	493.7	495.7
130°	365.6	400.8	430.2	452.8	467.7	476.7	479.4
132.5°	354.0	386.0	414.3	436.9	451.8	460.1	463.2
135°	336.2	365.1	390.9	410.7	425.6	433.8	436.5
137.5°	320.3	344.4	366.2	384.0	397.6	405.0	408.1
140°	310.9	331.7	350.7	367.4	379.1	385.9	388.2
142.5°	302.9	320.8	337.3	351.5	361.4	367.8	369.7
145°	292.8	306.8	319.0	329.9	337.5	342.5	344.4
147.5°	284.4	295.2	304.4	313.0	319.1	322.0	322.8
150°	279.7	288.3	296.4	303.2	308.6	310.5	310.9
152.5°	275.0	282.9	289.2	294.9	299.2	301.0	301.5
155°	268.0	274.3	279.2	283.8	286.9	288.3	288.8
157.5°	261.3	266.2	270.1	273.5	276.2	277.4	277.3
160°	256.2	260.7	263.9	267.0	269.3	270.2	269.7
162.5°	251.9	255.6	258.5	260.9	262.8	263.0	262.9
165°	245.3	248.1	250.3	252.2	253.0	253.0	253.0
167.5°	239.1	241.1	242.7	243.7	244.5	244.1	244.0
170°	235.4	236.8	237.7	238.6	239.1	239.1	238.6
172.5°	232.2	233.1	233.7	233.9	234.7	234.0	233.5
175°	227.3	228.2	228.2	228.2	228.6	227.8	227.3
177.5°	225.2	225.2	225.2	224.8	225.2	224.1	224.1
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1

(END OF REPORT)