

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: P333261-927

Luminaire Tested: **S125DIP-S1090D590U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333261-927
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-S1090D590U927-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 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: 5236.8 lumens
Efficiency: N/A
Efficacy: 107.3 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

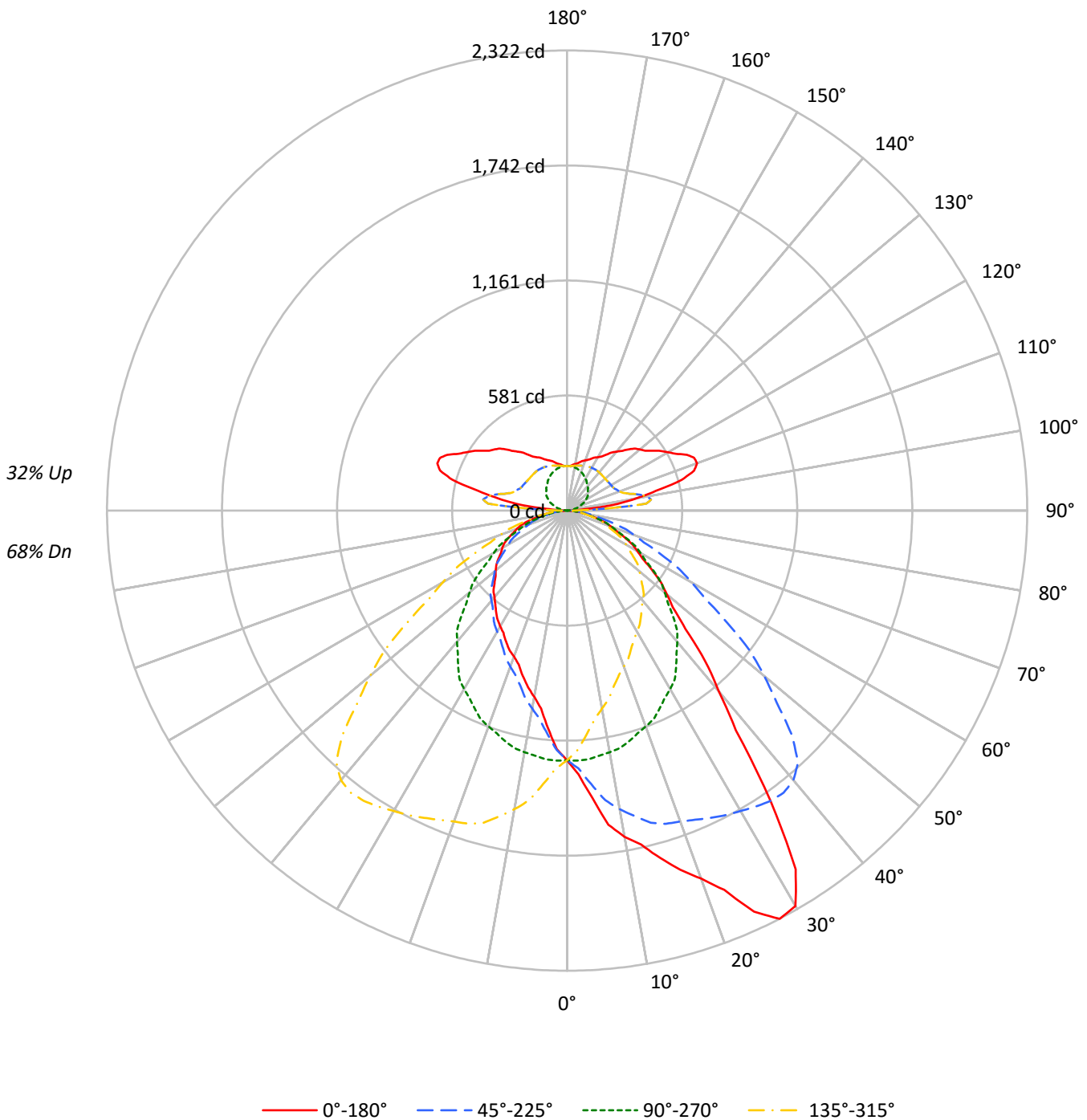
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	73	73	73	68
1	102	98	94	90	96	92	89	86	82	80	77	73	71	69	65	63	62	58
2	93	86	80	74	88	81	76	71	73	68	65	65	61	58	57	55	53	49
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45	42
4	78	67	59	53	73	64	56	51	57	51	47	51	47	43	46	42	39	36
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31
6	66	54	46	40	62	51	44	38	46	40	36	42	37	33	37	33	30	28
7	61	49	41	35	58	47	39	34	42	36	31	38	33	29	34	30	27	24
8	57	44	37	31	54	42	35	30	39	32	28	35	30	26	31	27	24	22
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	29	25	22	20
10	50	37	30	25	47	36	29	24	33	27	23	30	25	21	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8136	8136	8136	8136
5°	9422	8163	7148	8163
10°	10961	8121	6263	8121
15°	12133	8062	5777	8062
20°	13582	7967	5388	7967
25°	15911	7860	5197	7860
30°	17186	7756	5032	7756
35°	14130	7559	4924	7559
40°	10044	7284	4806	7284
45°	7716	6915	4737	6915
50°	6586	6457	4728	6457
55°	5864	6008	4769	6008
60°	5291	5518	4890	5518
65°	4886	5025	5017	5025
70°	4443	4513	5089	4513
75°	3923	3975	5043	3975
80°	3299	3239	4616	3239
85°	2616	2334	3720	2334



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.3
10°-20°	361.1	6.9
20°-30°	586.3	11.2
30°-40°	715.2	13.7
40°-50°	650.6	12.4
50°-60°	518.2	9.9
60°-70°	361.0	6.9
70°-80°	192.5	3.7
80°-90°	49.8	1.0
90°-100°	162.5	3.1
100°-110°	349.2	6.7
110°-120°	327.8	6.3
120°-130°	265.6	5.1
130°-140°	213.2	4.1
140°-150°	160.9	3.1
150°-160°	113.2	2.2
160°-170°	66.7	1.3
170°-180°	21.7	0.4
0°-30°	1068.7	20.4
0°-40°	1783.8	34.1
0°-60°	2952.7	56.4
0°-90°	3555.9	67.9
90°-120°	839.5	16.0
90°-150°	1479.1	28.2
90°-180°	1681.0	32.1
0°-180°	5236.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1260	1260	1260	1260	1260	
5°	1453	1259	1102	1259	1453	146
15°	1815	1206	864	1206	1815	519
25°	2233	1103	729	1103	2233	1020
35°	1792	959	624	959	1792	1097
45°	845	757	519	757	845	676
55°	521	534	424	534	521	469
65°	320	329	328	329	320	317
75°	157	159	202	159	157	169
85°	35	32	50	32	35	41
90°	10	0	10	0	10	8
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	



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1332.5	1330.7	1329.0	1325.6	1328.2	1320.9	1317.5	1311.5	1304.2	1301.6	1298.6
5°	1453.3	1456.0	1458.6	1447.4	1448.4	1441.0	1423.9	1409.9	1398.8	1384.3	1374.1
7.5°	1598.7	1592.4	1591.9	1584.6	1572.1	1562.0	1544.0	1521.1	1499.0	1473.8	1452.9
10°	1671.4	1672.0	1667.1	1658.6	1645.2	1635.6	1612.1	1589.6	1562.3	1530.3	1507.3
12.5°	1726.2	1728.4	1722.4	1710.8	1704.2	1682.7	1664.3	1637.5	1605.1	1579.5	1544.5
15°	1814.7	1808.9	1804.6	1790.1	1778.9	1756.4	1727.0	1699.2	1663.9	1631.3	1598.7
17.5°	1900.0	1904.7	1896.7	1883.6	1848.7	1822.5	1783.0	1745.0	1701.1	1657.3	1618.3
20°	1976.2	1980.5	1968.2	1945.2	1903.5	1877.3	1825.4	1776.2	1725.5	1669.3	1626.5
22.5°	2071.2	2067.8	2051.1	2016.2	1980.1	1931.6	1875.5	1815.6	1751.9	1688.5	1631.7
25°	2232.8	2210.3	2200.2	2157.0	2109.3	2038.2	1961.2	1873.5	1794.4	1710.5	1637.8
27.5°	2322.4	2315.4	2304.1	2273.9	2223.9	2147.8	2057.1	1950.2	1838.6	1732.6	1637.4
30°	2304.5	2305.6	2306.6	2297.0	2264.9	2207.7	2117.3	2002.4	1869.8	1750.6	1640.4
32.5°	2145.4	2164.8	2183.4	2205.4	2214.5	2203.5	2146.9	2043.0	1906.5	1771.1	1638.7
35°	1792.2	1798.2	1858.5	1918.4	1999.7	2062.8	2105.1	2059.0	1944.1	1788.5	1636.6
37.5°	1397.5	1426.3	1468.2	1535.8	1653.1	1758.2	1893.2	1955.3	1918.3	1794.2	1632.9
40°	1191.3	1218.0	1245.3	1314.2	1413.2	1540.4	1693.8	1824.9	1855.4	1776.2	1620.1
42.5°	1032.1	1053.4	1083.6	1135.4	1218.1	1330.9	1477.4	1648.6	1754.0	1724.0	1593.2
45°	844.8	858.2	881.7	922.9	982.8	1071.0	1200.4	1387.5	1550.6	1604.6	1529.2
47.5°	723.1	723.0	741.3	769.8	812.9	887.9	983.6	1130.2	1304.4	1433.3	1427.3
50°	655.5	652.8	667.3	691.9	726.1	775.9	867.3	984.4	1151.7	1297.7	1338.3
52.5°	597.4	597.7	606.6	624.7	653.4	695.9	764.1	869.7	1012.7	1162.5	1239.1
55°	520.8	518.6	528.8	541.1	562.0	589.8	639.0	719.7	835.7	983.3	1082.8
57.5°	450.6	456.5	460.6	469.1	486.5	505.1	546.5	605.8	697.8	824.5	929.6
60°	409.6	415.4	418.7	427.2	441.1	457.2	489.3	537.3	614.9	724.0	828.2
62.5°	372.8	377.4	378.4	386.1	397.5	413.1	438.3	478.8	540.0	635.4	737.5
65°	319.7	319.7	321.9	329.9	335.3	349.1	368.4	397.8	447.0	521.3	608.5
67.5°	268.6	271.2	270.7	274.2	279.1	289.9	303.7	328.0	364.4	418.7	488.4
70°	235.3	237.4	236.9	239.6	244.9	251.8	263.1	286.1	312.3	358.8	418.7
72.5°	205.3	206.2	204.8	208.3	211.5	217.6	230.1	242.4	266.9	306.2	355.4
75°	157.2	158.3	159.3	161.4	164.7	167.9	174.3	186.6	202.6	232.0	263.6
77.5°	117.9	115.8	118.4	118.0	119.9	122.3	128.0	134.5	147.7	166.3	190.7
80°	88.7	89.3	89.3	89.8	92.5	94.1	98.9	103.7	113.9	127.8	144.9
82.5°	64.8	66.2	65.4	66.3	68.5	69.7	72.4	76.4	82.2	93.2	105.5
85°	35.3	32.6	33.7	34.8	34.8	35.3	37.4	39.1	42.2	46.5	51.3
87.5°	12.4	13.2	13.5	13.5	13.9	13.8	15.4	15.3	16.5	17.7	19.3
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



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

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



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1296.1	1293.1	1289.7	1283.7	1276.4	1272.6	1266.5	1262.7	1255.0	1248.6	1241.7
5°	1361.8	1348.0	1335.1	1318.5	1300.4	1288.6	1274.7	1259.2	1243.2	1226.5	1208.4
7.5°	1430.0	1405.3	1378.6	1349.9	1321.8	1295.9	1271.1	1246.9	1224.2	1196.8	1173.6
10°	1475.8	1444.7	1411.6	1372.5	1334.6	1301.4	1267.7	1238.3	1208.4	1176.3	1148.0
12.5°	1521.5	1480.2	1433.4	1390.5	1344.8	1304.8	1265.2	1227.6	1190.0	1154.5	1121.4
15°	1553.8	1517.4	1474.1	1413.2	1361.8	1306.8	1254.3	1205.7	1160.2	1120.7	1079.0
17.5°	1575.1	1528.2	1481.7	1423.2	1356.0	1294.3	1235.0	1179.3	1128.1	1077.9	1037.7
20°	1578.9	1530.8	1482.2	1424.9	1356.0	1285.4	1226.1	1159.2	1104.1	1052.3	1003.1
22.5°	1577.6	1523.1	1470.1	1411.3	1344.0	1279.0	1207.2	1139.1	1079.3	1028.3	977.0
25°	1565.6	1507.3	1441.0	1381.6	1315.3	1246.3	1173.6	1103.0	1042.1	983.8	933.0
27.5°	1555.5	1479.9	1404.9	1335.6	1271.6	1208.4	1138.8	1066.5	998.9	939.8	892.0
30°	1543.1	1460.2	1375.7	1303.5	1237.8	1176.3	1110.6	1040.0	969.4	911.6	860.3
32.5°	1532.0	1435.4	1346.2	1267.7	1198.0	1138.2	1077.6	1010.4	941.1	882.6	831.2
35°	1510.5	1398.8	1296.6	1207.8	1133.5	1072.1	1021.3	958.7	895.1	838.4	789.2
37.5°	1483.2	1350.6	1241.0	1148.0	1066.5	1001.7	954.4	906.4	845.3	790.7	746.2
40°	1461.8	1316.4	1200.4	1105.2	1020.7	953.3	909.5	864.0	813.3	762.5	715.4
42.5°	1434.9	1285.6	1159.3	1056.9	973.2	907.6	861.6	823.0	778.2	730.8	687.1
45°	1385.4	1229.8	1092.9	982.8	898.3	833.5	786.0	757.1	723.4	678.5	641.6
47.5°	1312.6	1162.7	1021.1	907.4	820.3	760.3	715.7	688.0	664.3	630.9	597.5
50°	1247.9	1112.7	969.4	856.6	769.4	709.0	667.8	642.7	622.3	596.7	568.4
52.5°	1175.7	1049.8	918.5	806.9	720.6	661.1	620.8	598.7	581.7	563.3	535.4
55°	1060.8	953.9	831.9	726.1	646.4	588.1	552.9	533.6	519.8	505.8	488.7
57.5°	934.3	850.6	742.7	645.9	572.5	519.5	486.6	467.9	457.0	449.9	439.8
60°	845.3	773.7	680.6	592.4	520.8	473.7	441.6	427.2	418.1	412.3	404.7
62.5°	762.8	703.9	617.7	537.3	474.6	430.1	401.5	387.5	378.7	375.9	369.7
65°	641.1	595.6	524.5	457.7	404.3	366.2	342.2	328.8	323.4	320.3	320.8
67.5°	521.2	493.5	436.4	379.4	336.8	304.9	285.7	275.4	272.7	268.4	268.3
70°	448.1	427.2	379.1	329.4	291.4	266.8	249.7	239.0	236.3	234.2	233.7
72.5°	383.5	365.2	323.4	283.6	249.5	227.9	213.7	207.3	203.0	201.7	201.6
75°	288.2	278.1	244.9	213.3	189.8	174.8	165.2	159.3	156.1	155.6	156.1
77.5°	204.9	196.0	174.9	152.6	137.8	126.4	118.3	116.2	112.6	112.7	112.2
80°	154.0	148.1	134.8	117.1	104.8	95.1	90.9	87.1	86.1	84.4	86.1
82.5°	111.6	105.4	96.3	85.0	74.9	69.1	64.8	63.6	63.0	62.3	62.6
85°	55.1	55.6	50.2	41.7	37.4	34.2	31.5	31.5	31.0	30.5	31.0
87.5°	20.0	18.9	17.2	15.7	13.4	11.9	11.3	11.6	10.5	10.2	10.8
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: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

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: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1237.9	1233.2	1229.3	1220.8	1216.1	1209.7	1204.5	1210.1	1204.1	1206.7	1202.8
5°	1199.3	1184.3	1173.6	1158.1	1144.8	1132.4	1123.4	1121.7	1117.5	1115.3	1108.9
7.5°	1152.9	1134.2	1115.8	1095.4	1078.3	1060.9	1049.8	1040.6	1034.5	1026.5	1021.0
10°	1125.5	1100.3	1079.0	1054.4	1033.0	1014.3	999.3	991.8	984.9	974.7	971.0
12.5°	1091.7	1065.7	1039.7	1013.4	992.8	971.9	959.1	947.8	942.9	931.5	930.3
15°	1051.2	1012.2	986.5	959.7	931.4	914.3	903.6	891.3	886.0	878.0	872.0
17.5°	1002.8	968.0	935.9	908.2	883.9	869.5	856.3	847.8	838.6	833.4	823.7
20°	967.8	934.6	902.5	873.1	854.4	837.8	827.1	819.1	809.5	806.8	797.3
22.5°	938.3	901.7	870.9	846.2	825.8	807.1	795.5	790.0	783.4	775.2	773.2
25°	890.3	852.3	826.1	801.5	783.3	766.2	758.2	751.2	744.8	738.9	736.8
27.5°	848.7	814.8	783.7	761.5	745.7	730.1	723.0	714.5	709.9	705.1	699.3
30°	819.7	784.9	757.6	736.3	719.1	705.3	697.8	691.9	687.6	683.3	680.1
32.5°	789.7	757.6	731.1	710.2	693.1	682.5	676.0	671.8	667.1	661.9	657.9
35°	750.2	714.9	689.2	671.1	657.7	649.7	642.1	638.4	633.0	633.0	628.8
37.5°	705.6	675.1	652.4	635.9	623.8	616.7	608.6	606.0	602.6	600.3	598.8
40°	679.1	650.7	629.3	612.8	599.9	594.1	587.6	583.4	581.2	578.5	577.4
42.5°	651.6	624.6	604.1	588.8	577.7	572.7	566.6	563.6	559.4	555.9	555.2
45°	610.1	583.8	565.1	552.9	543.2	537.3	533.6	527.2	525.1	520.8	520.2
47.5°	570.6	545.5	527.1	517.1	508.6	503.7	497.9	491.5	489.0	486.9	486.6
50°	541.1	518.1	501.0	491.4	483.4	476.4	470.6	466.3	464.6	464.6	465.7
52.5°	511.2	491.5	477.1	465.2	457.7	450.3	444.9	442.3	439.8	442.4	444.3
55°	467.3	447.5	436.8	425.6	418.1	409.6	406.9	405.8	404.3	408.5	410.7
57.5°	420.9	407.0	394.5	383.3	376.6	371.7	368.0	367.4	370.4	372.5	379.4
60°	391.4	375.3	364.1	355.5	347.5	344.4	343.3	342.2	344.4	350.2	359.3
62.5°	358.9	345.9	333.7	327.3	321.5	316.1	315.9	316.6	320.8	327.6	336.6
65°	311.2	299.9	291.9	284.5	279.6	276.4	277.5	279.6	284.5	293.5	303.7
67.5°	262.8	255.1	247.9	241.8	237.2	237.2	238.3	241.5	247.2	257.6	266.9
70°	231.6	223.0	217.1	214.4	210.6	208.5	211.8	217.1	221.9	231.6	239.6
72.5°	200.3	193.1	188.5	186.6	185.0	183.3	184.3	190.1	196.6	206.3	215.6
75°	154.0	151.3	148.1	146.0	144.3	145.4	146.5	151.9	157.2	167.4	178.1
77.5°	112.4	109.6	107.7	107.2	106.3	106.9	109.8	113.8	119.0	126.4	134.5
80°	85.0	84.0	82.9	82.3	82.3	82.9	87.1	89.8	94.7	101.6	108.0
82.5°	61.9	61.2	61.1	60.9	61.4	61.5	64.1	67.6	71.5	76.8	82.3
85°	32.6	31.5	33.1	33.7	32.6	34.2	35.3	37.4	39.1	41.7	44.4
87.5°	11.4	12.4	12.1	12.8	12.8	13.9	13.5	15.3	16.2	17.2	17.0
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: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-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: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1200.2	1203.2	1200.7	1204.1	1200.7	1203.2	1200.2	1202.8	1206.7	1204.1	1210.1
5°	1106.3	1101.5	1104.6	1102.5	1104.6	1101.5	1106.3	1108.9	1115.3	1117.5	1121.7
7.5°	1019.5	1014.9	1009.6	1007.1	1009.6	1014.9	1019.5	1021.0	1026.5	1034.5	1040.6
10°	965.1	959.3	958.7	955.0	958.7	959.3	965.1	971.0	974.7	984.9	991.8
12.5°	925.3	919.9	913.8	912.2	913.8	919.9	925.3	930.3	931.5	942.9	947.8
15°	868.9	864.6	860.9	864.0	860.9	864.6	868.9	872.0	878.0	886.0	891.3
17.5°	821.9	818.4	817.8	813.8	817.8	818.4	821.9	823.7	833.4	838.6	847.8
20°	792.4	789.7	790.8	783.9	790.8	789.7	792.4	797.3	806.8	809.5	819.1
22.5°	768.9	763.7	763.0	761.6	763.0	763.7	768.9	773.2	775.2	783.4	790.0
25°	732.0	729.3	726.7	729.3	726.7	729.3	732.0	736.8	738.9	744.8	751.2
27.5°	699.8	696.6	695.9	696.2	695.9	696.6	699.8	699.3	705.1	709.9	714.5
30°	680.1	674.8	675.3	674.8	675.3	674.8	680.1	680.1	683.3	687.6	691.9
32.5°	658.7	655.1	654.3	653.4	654.3	655.1	658.7	657.9	661.9	667.1	671.8
35°	627.2	627.2	624.5	624.5	624.5	627.2	627.2	628.8	633.0	633.0	638.4
37.5°	597.5	597.0	595.4	595.6	595.4	597.0	597.5	598.8	600.3	602.6	606.0
40°	575.3	574.8	573.1	570.0	573.1	574.8	575.3	577.4	578.5	581.2	583.4
42.5°	553.9	552.2	551.4	550.3	551.4	552.2	553.9	555.2	555.9	559.4	563.6
45°	520.2	520.2	519.2	518.6	519.2	520.2	520.2	520.2	520.8	525.1	527.2
47.5°	487.5	488.5	490.5	490.2	490.5	488.5	487.5	486.6	486.9	489.0	491.5
50°	467.9	468.4	470.0	470.6	470.0	468.4	467.9	465.7	464.6	464.6	466.3
52.5°	446.0	449.2	451.1	450.8	451.1	449.2	446.0	444.3	442.4	439.8	442.3
55°	415.4	419.2	422.9	423.5	422.9	419.2	415.4	410.7	408.5	404.3	405.8
57.5°	385.2	390.4	394.3	395.7	394.3	390.4	385.2	379.4	372.5	370.4	367.4
60°	364.6	371.6	376.4	378.6	376.4	371.6	364.6	359.3	350.2	344.4	342.2
62.5°	345.0	352.8	357.6	358.0	357.6	352.8	345.0	336.6	327.6	320.8	316.6
65°	312.8	320.8	325.1	328.3	325.1	320.8	312.8	303.7	293.5	284.5	279.6
67.5°	278.1	286.1	290.9	293.4	290.9	286.1	278.1	266.9	257.6	247.2	241.5
70°	252.9	260.9	267.4	269.5	267.4	260.9	252.9	239.6	231.6	221.9	217.1
72.5°	228.1	235.3	240.4	243.0	240.4	235.3	228.1	215.6	206.3	196.6	190.1
75°	185.0	194.6	199.5	202.1	199.5	194.6	185.0	178.1	167.4	157.2	151.9
77.5°	142.7	151.4	154.3	155.7	154.3	151.4	142.7	134.5	126.4	119.0	113.8
80°	114.4	119.8	123.5	124.1	123.5	119.8	114.4	108.0	101.6	94.7	89.8
82.5°	87.9	92.4	93.6	95.0	93.6	92.4	87.9	82.3	76.8	71.5	67.6
85°	48.1	50.2	50.8	50.2	50.8	50.2	48.1	44.4	41.7	39.1	37.4
87.5°	17.8	17.3	17.5	18.3	17.5	17.3	17.8	17.0	17.2	16.2	15.3
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



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

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: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1204.5	1209.7	1216.1	1220.8	1229.3	1233.2	1237.9	1241.7	1248.6	1255.0	1262.7
5°	1123.4	1132.4	1144.8	1158.1	1173.6	1184.3	1199.3	1208.4	1226.5	1243.2	1259.2
7.5°	1049.8	1060.9	1078.3	1095.4	1115.8	1134.2	1152.9	1173.6	1196.8	1224.2	1246.9
10°	999.3	1014.3	1033.0	1054.4	1079.0	1100.3	1125.5	1148.0	1176.3	1208.4	1238.3
12.5°	959.1	971.9	992.8	1013.4	1039.7	1065.7	1091.7	1121.4	1154.5	1190.0	1227.6
15°	903.6	914.3	931.4	959.7	986.5	1012.2	1051.2	1079.0	1120.7	1160.2	1205.7
17.5°	856.3	869.5	883.9	908.2	935.9	968.0	1002.8	1037.7	1077.9	1128.1	1179.3
20°	827.1	837.8	854.4	873.1	902.5	934.6	967.8	1003.1	1052.3	1104.1	1159.2
22.5°	795.5	807.1	825.8	846.2	870.9	901.7	938.3	977.0	1028.3	1079.3	1139.1
25°	758.2	766.2	783.3	801.5	826.1	852.3	890.3	933.0	983.8	1042.1	1103.0
27.5°	723.0	730.1	745.7	761.5	783.7	814.8	848.7	892.0	939.8	998.9	1066.5
30°	697.8	705.3	719.1	736.3	757.6	784.9	819.7	860.3	911.6	969.4	1040.0
32.5°	676.0	682.5	693.1	710.2	731.1	757.6	789.7	831.2	882.6	941.1	1010.4
35°	642.1	649.7	657.7	671.1	689.2	714.9	750.2	789.2	838.4	895.1	958.7
37.5°	608.6	616.7	623.8	635.9	652.4	675.1	705.6	746.2	790.7	845.3	906.4
40°	587.6	594.1	599.9	612.8	629.3	650.7	679.1	715.4	762.5	813.3	864.0
42.5°	566.6	572.7	577.7	588.8	604.1	624.6	651.6	687.1	730.8	778.2	823.0
45°	533.6	537.3	543.2	552.9	565.1	583.8	610.1	641.6	678.5	723.4	757.1
47.5°	497.9	503.7	508.6	517.1	527.1	545.5	570.6	597.5	630.9	664.3	688.0
50°	470.6	476.4	483.4	491.4	501.0	518.1	541.1	568.4	596.7	622.3	642.7
52.5°	444.9	450.3	457.7	465.2	477.1	491.5	511.2	535.4	563.3	581.7	598.7
55°	406.9	409.6	418.1	425.6	436.8	447.5	467.3	488.7	505.8	519.8	533.6
57.5°	368.0	371.7	376.6	383.3	394.5	407.0	420.9	439.8	449.9	457.0	467.9
60°	343.3	344.4	347.5	355.5	364.1	375.3	391.4	404.7	412.3	418.1	427.2
62.5°	315.9	316.1	321.5	327.3	333.7	345.9	358.9	369.7	375.9	378.7	387.5
65°	277.5	276.4	279.6	284.5	291.9	299.9	311.2	320.8	320.3	323.4	328.8
67.5°	238.3	237.2	237.2	241.8	247.9	255.1	262.8	268.3	268.4	272.7	275.4
70°	211.8	208.5	210.6	214.4	217.1	223.0	231.6	233.7	234.2	236.3	239.0
72.5°	184.3	183.3	185.0	186.6	188.5	193.1	200.3	201.6	201.7	203.0	207.3
75°	146.5	145.4	144.3	146.0	148.1	151.3	154.0	156.1	155.6	156.1	159.3
77.5°	109.8	106.9	106.3	107.2	107.7	109.6	112.4	112.2	112.7	112.6	116.2
80°	87.1	82.9	82.3	82.3	82.9	84.0	85.0	86.1	84.4	86.1	87.1
82.5°	64.1	61.5	61.4	60.9	61.1	61.2	61.9	62.6	62.3	63.0	63.6
85°	35.3	34.2	32.6	33.7	33.1	31.5	32.6	31.0	30.5	31.0	31.5
87.5°	13.5	13.9	12.8	12.8	12.1	12.4	11.4	10.8	10.2	10.5	11.6
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: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-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: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1266.5	1272.6	1276.4	1283.7	1289.7	1293.1	1296.1	1298.6	1301.6	1304.2	1311.5
5°	1274.7	1288.6	1300.4	1318.5	1335.1	1348.0	1361.8	1374.1	1384.3	1398.8	1409.9
7.5°	1271.1	1295.9	1321.8	1349.9	1378.6	1405.3	1430.0	1452.9	1473.8	1499.0	1521.1
10°	1267.7	1301.4	1334.6	1372.5	1411.6	1444.7	1475.8	1507.3	1530.3	1562.3	1589.6
12.5°	1265.2	1304.8	1344.8	1390.5	1433.4	1480.2	1521.5	1544.5	1579.5	1605.1	1637.5
15°	1254.3	1306.8	1361.8	1413.2	1474.1	1517.4	1553.8	1598.7	1631.3	1663.9	1699.2
17.5°	1235.0	1294.3	1356.0	1423.2	1481.7	1528.2	1575.1	1618.3	1657.3	1701.1	1745.0
20°	1226.1	1285.4	1356.0	1424.9	1482.2	1530.8	1578.9	1626.5	1669.3	1725.5	1776.2
22.5°	1207.2	1279.0	1344.0	1411.3	1470.1	1523.1	1577.6	1631.7	1688.5	1751.9	1815.6
25°	1173.6	1246.3	1315.3	1381.6	1441.0	1507.3	1565.6	1637.8	1710.5	1794.4	1873.5
27.5°	1138.8	1208.4	1271.6	1335.6	1404.9	1479.9	1555.5	1637.4	1732.6	1838.6	1950.2
30°	1110.6	1176.3	1237.8	1303.5	1375.7	1460.2	1543.1	1640.4	1750.6	1869.8	2002.4
32.5°	1077.6	1138.2	1198.0	1267.7	1346.2	1435.4	1532.0	1638.7	1771.1	1906.5	2043.0
35°	1021.3	1072.1	1133.5	1207.8	1296.6	1398.8	1510.5	1636.6	1788.5	1944.1	2059.0
37.5°	954.4	1001.7	1066.5	1148.0	1241.0	1350.6	1483.2	1632.9	1794.2	1918.3	1955.3
40°	909.5	953.3	1020.7	1105.2	1200.4	1316.4	1461.8	1620.1	1776.2	1855.4	1824.9
42.5°	861.6	907.6	973.2	1056.9	1159.3	1285.6	1434.9	1593.2	1724.0	1754.0	1648.6
45°	786.0	833.5	898.3	982.8	1092.9	1229.8	1385.4	1529.2	1604.6	1550.6	1387.5
47.5°	715.7	760.3	820.3	907.4	1021.1	1162.7	1312.6	1427.3	1433.3	1304.4	1130.2
50°	667.8	709.0	769.4	856.6	969.4	1112.7	1247.9	1338.3	1297.7	1151.7	984.4
52.5°	620.8	661.1	720.6	806.9	918.5	1049.8	1175.7	1239.1	1162.5	1012.7	869.7
55°	552.9	588.1	646.4	726.1	831.9	953.9	1060.8	1082.8	983.3	835.7	719.7
57.5°	486.6	519.5	572.5	645.9	742.7	850.6	934.3	929.6	824.5	697.8	605.8
60°	441.6	473.7	520.8	592.4	680.6	773.7	845.3	828.2	724.0	614.9	537.3
62.5°	401.5	430.1	474.6	537.3	617.7	703.9	762.8	737.5	635.4	540.0	478.8
65°	342.2	366.2	404.3	457.7	524.5	595.6	641.1	608.5	521.3	447.0	397.8
67.5°	285.7	304.9	336.8	379.4	436.4	493.5	521.2	488.4	418.7	364.4	328.0
70°	249.7	266.8	291.4	329.4	379.1	427.2	448.1	418.7	358.8	312.3	286.1
72.5°	213.7	227.9	249.5	283.6	323.4	365.2	383.5	355.4	306.2	266.9	242.4
75°	165.2	174.8	189.8	213.3	244.9	278.1	288.2	263.6	232.0	202.6	186.6
77.5°	118.3	126.4	137.8	152.6	174.9	196.0	204.9	190.7	166.3	147.7	134.5
80°	90.9	95.1	104.8	117.1	134.8	148.1	154.0	144.9	127.8	113.9	103.7
82.5°	64.8	69.1	74.9	85.0	96.3	105.4	111.6	105.5	93.2	82.2	76.4
85°	31.5	34.2	37.4	41.7	50.2	55.6	55.1	51.3	46.5	42.2	39.1
87.5°	11.3	11.9	13.4	15.7	17.2	18.9	20.0	19.3	17.7	16.5	15.3
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



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

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



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
2.5°	1317.5	1320.9	1328.2	1325.6	1329.0	1330.7	1332.5
5°	1423.9	1441.0	1448.4	1447.4	1458.6	1456.0	1453.3
7.5°	1544.0	1562.0	1572.1	1584.6	1591.9	1592.4	1598.7
10°	1612.1	1635.6	1645.2	1658.6	1667.1	1672.0	1671.4
12.5°	1664.3	1682.7	1704.2	1710.8	1722.4	1728.4	1726.2
15°	1727.0	1756.4	1778.9	1790.1	1804.6	1808.9	1814.7
17.5°	1783.0	1822.5	1848.7	1883.6	1896.7	1904.7	1900.0
20°	1825.4	1877.3	1903.5	1945.2	1968.2	1980.5	1976.2
22.5°	1875.5	1931.6	1980.1	2016.2	2051.1	2067.8	2071.2
25°	1961.2	2038.2	2109.3	2157.0	2200.2	2210.3	2232.8
27.5°	2057.1	2147.8	2223.9	2273.9	2304.1	2315.4	2322.4
30°	2117.3	2207.7	2264.9	2297.0	2306.6	2305.6	2304.5
32.5°	2146.9	2203.5	2214.5	2205.4	2183.4	2164.8	2145.4
35°	2105.1	2062.8	1999.7	1918.4	1858.5	1798.2	1792.2
37.5°	1893.2	1758.2	1653.1	1535.8	1468.2	1426.3	1397.5
40°	1693.8	1540.4	1413.2	1314.2	1245.3	1218.0	1191.3
42.5°	1477.4	1330.9	1218.1	1135.4	1083.6	1053.4	1032.1
45°	1200.4	1071.0	982.8	922.9	881.7	858.2	844.8
47.5°	983.6	887.9	812.9	769.8	741.3	723.0	723.1
50°	867.3	775.9	726.1	691.9	667.3	652.8	655.5
52.5°	764.1	695.9	653.4	624.7	606.6	597.7	597.4
55°	639.0	589.8	562.0	541.1	528.8	518.6	520.8
57.5°	546.5	505.1	486.5	469.1	460.6	456.5	450.6
60°	489.3	457.2	441.1	427.2	418.7	415.4	409.6
62.5°	438.3	413.1	397.5	386.1	378.4	377.4	372.8
65°	368.4	349.1	335.3	329.9	321.9	319.7	319.7
67.5°	303.7	289.9	279.1	274.2	270.7	271.2	268.6
70°	263.1	251.8	244.9	239.6	236.9	237.4	235.3
72.5°	230.1	217.6	211.5	208.3	204.8	206.2	205.3
75°	174.3	167.9	164.7	161.4	159.3	158.3	157.2
77.5°	128.0	122.3	119.9	118.0	118.4	115.8	117.9
80°	98.9	94.1	92.5	89.8	89.3	89.3	88.7
82.5°	72.4	69.7	68.5	66.3	65.4	66.2	64.8
85°	37.4	35.3	34.8	34.8	33.7	32.6	35.3
87.5°	15.4	13.8	13.9	13.5	13.5	13.2	12.4
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



TEST NUMBER: P333261-927

CATALOG NUMBER: S125DIP-S1090D590U927-4F0-1E-UDD-A4

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)