

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: P333606-940

Luminaire Tested: **S125RDIP-S1090D1205U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333606-940
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: S125RDIP-S1090D1205U940-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7655.3 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

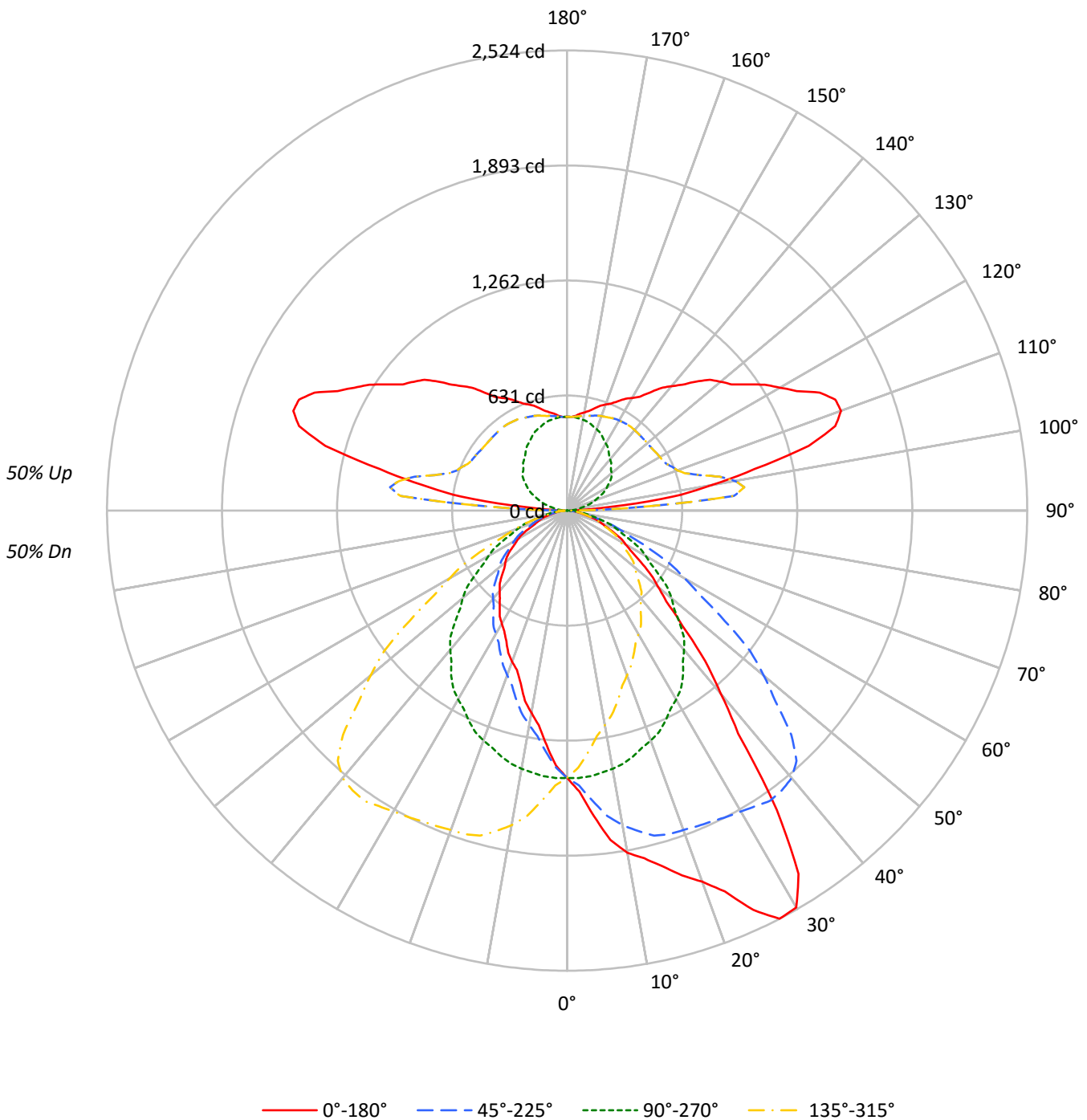
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43
2	90	83	77	72	83	76	71	67	65	61	58	54	52	49	44	43	41	36
3	82	73	66	60	75	68	61	56	58	53	49	48	45	42	40	37	35	31
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	36	33	31	27
5	69	58	50	44	64	54	47	41	46	41	36	39	35	32	32	29	27	24
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	29	26	24	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	25	21	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	15
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9469	9469	9469	9469
5°	10893	9481	8373	9481
10°	12496	9433	7389	9433
15°	13497	9336	6567	9336
20°	14882	9224	6064	9224
25°	17224	9075	5627	9075
30°	18744	8918	5341	8918
35°	15811	8736	5077	8736
40°	11042	8408	4850	8408
45°	8191	7965	4629	7965
50°	6531	7504	4439	7504
55°	5543	6933	4270	6933
60°	4790	6421	3995	6421
65°	4268	5868	3440	5868
70°	3750	5374	3136	5374
75°	3244	4654	2944	4654
80°	2462	3916	2462	3916
85°	2045	3083	2319	3083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	1.8
10°-20°	412.0	5.4
20°-30°	653.3	8.5
30°-40°	787.8	10.3
40°-50°	703.5	9.2
50°-60°	539.5	7.0
60°-70°	350.6	4.6
70°-80°	170.5	2.2
80°-90°	43.5	0.6
90°-100°	372.5	4.9
100°-110°	800.8	10.5
110°-120°	751.5	9.8
120°-130°	609.1	8.0
130°-140°	488.8	6.4
140°-150°	368.8	4.8
150°-160°	259.6	3.4
160°-170°	153.0	2.0
170°-180°	49.8	0.7
0°-30°	1205.9	15.8
0°-40°	1993.7	26.0
0°-60°	3236.7	42.3
0°-90°	3801.3	49.7
90°-120°	1924.8	25.1
90°-150°	3391.5	44.3
90°-180°	3854.0	50.3
0°-180°	7655.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1466	1466	1466	1466	1466	
5°	1680	1462	1292	1462	1680	168
15°	2019	1396	982	1396	2019	578
25°	2417	1274	790	1274	2417	1110
35°	2005	1108	644	1108	2005	1211
45°	897	872	507	872	897	716
55°	492	616	379	616	492	447
65°	279	384	225	384	279	278
75°	130	186	118	186	130	138
85°	28	42	31	42	28	32
90°	24	1	24	1	24	18
95°	244	34	244	34	244	345
105°	1373	117	1373	117	1373	1365
115°	1529	209	1529	209	1529	1494
125°	1205	290	1205	290	1205	1090
135°	1001	340	1001	340	1001	776
145°	790	396	790	396	790	502
155°	662	452	662	452	662	309
165°	580	493	580	493	580	166
175°	521	513	521	513	521	51
180°	514	514	514	514	514	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1542.2	1541.2	1543.2	1537.8	1538.4	1530.2	1530.2	1523.9	1515.7	1509.5	1506.5
5°	1680.3	1681.6	1679.2	1670.2	1664.1	1655.1	1644.8	1626.8	1611.8	1597.3	1585.9
7.5°	1822.7	1823.5	1815.5	1812.8	1797.6	1786.5	1763.8	1739.2	1717.4	1689.8	1668.6
10°	1905.5	1904.9	1896.4	1889.8	1876.6	1859.8	1837.5	1808.6	1781.5	1751.4	1722.5
12.5°	1953.6	1952.0	1949.4	1941.3	1929.0	1914.1	1895.2	1866.8	1833.4	1800.5	1766.8
15°	2018.7	2014.4	2006.6	1996.4	1978.9	1961.4	1940.4	1915.1	1883.2	1845.8	1814.6
17.5°	2099.0	2099.2	2087.1	2072.9	2049.2	2018.4	1985.8	1945.1	1901.8	1860.7	1827.4
20°	2165.4	2163.6	2151.6	2124.0	2096.9	2058.3	2021.1	1971.0	1918.1	1864.6	1823.0
22.5°	2260.8	2256.1	2243.5	2207.3	2165.3	2115.7	2058.6	1997.5	1933.5	1872.7	1818.2
25°	2417.1	2413.4	2388.7	2346.6	2287.7	2211.2	2136.5	2052.9	1960.9	1880.8	1814.6
27.5°	2523.9	2520.0	2501.7	2466.7	2412.3	2331.8	2230.8	2119.0	2004.0	1893.9	1798.5
30°	2513.4	2522.4	2520.0	2503.7	2462.8	2390.6	2297.3	2171.5	2034.9	1905.5	1791.7
32.5°	2362.1	2370.3	2391.4	2423.3	2425.7	2396.8	2327.1	2211.0	2069.6	1922.4	1786.5
35°	2005.4	2016.2	2057.2	2121.6	2205.8	2276.2	2290.6	2228.0	2101.0	1942.8	1778.5
37.5°	1541.7	1600.9	1635.4	1703.2	1830.5	1960.0	2084.6	2130.5	2076.3	1934.4	1765.6
40°	1309.7	1324.1	1385.5	1461.9	1569.1	1703.9	1881.4	2009.6	2013.8	1915.1	1745.3
42.5°	1120.9	1139.2	1181.3	1242.3	1334.1	1468.9	1652.3	1821.3	1899.7	1862.2	1718.9
45°	896.8	910.6	941.3	988.3	1058.6	1170.0	1327.7	1523.3	1678.6	1739.4	1647.9
47.5°	736.6	744.1	770.9	806.6	858.7	939.9	1061.9	1231.7	1418.0	1548.5	1535.7
50°	650.0	658.4	678.9	706.0	749.9	818.5	916.1	1057.5	1249.5	1408.9	1440.8
52.5°	582.6	589.6	602.4	627.9	664.2	716.9	795.7	923.6	1096.4	1266.0	1339.7
55°	492.3	497.1	507.4	521.8	550.7	588.6	656.7	745.1	884.8	1055.6	1164.0
57.5°	417.9	420.4	426.9	440.2	460.2	487.9	537.0	612.0	712.1	866.0	985.6
60°	370.8	373.2	381.6	390.6	406.3	431.5	470.0	522.4	618.7	745.7	866.7
62.5°	333.1	334.7	338.2	347.2	361.0	380.5	410.8	453.5	530.1	641.7	755.9
65°	279.3	279.8	281.1	288.3	296.7	311.1	331.0	361.1	418.9	503.2	604.2
67.5°	227.5	228.4	232.6	235.1	243.9	251.5	263.1	286.1	326.8	383.6	462.3
70°	198.6	198.0	202.2	205.3	208.2	217.3	225.1	243.8	269.0	312.4	378.0
72.5°	171.7	170.0	171.9	173.0	176.9	183.1	190.9	202.3	221.9	251.7	301.9
75°	130.0	130.6	130.6	131.8	134.8	137.2	139.6	145.6	156.5	176.4	203.4
77.5°	91.2	90.2	92.8	93.2	95.0	97.6	99.7	102.1	106.6	114.7	128.7
80°	66.2	66.2	66.8	68.6	68.0	69.2	72.2	74.6	80.1	84.9	89.7
82.5°	50.8	50.3	50.9	51.3	51.2	52.3	53.4	53.9	56.0	58.4	61.7
85°	27.6	27.6	28.3	28.3	28.9	28.9	29.5	29.5	29.5	30.1	30.7
87.5°	15.3	14.9	14.2	14.2	14.7	15.2	14.5	13.8	13.6	13.5	13.5
90°	23.8	23.8	22.8	22.8	22.8	20.7	19.7	18.6	17.7	16.6	14.5
92.5°	66.1	67.8	69.2	71.7	85.0	100.3	133.2	183.6	270.5	334.0	339.5
95°	243.5	260.1	268.3	299.4	373.0	460.0	587.5	744.9	898.3	918.0	749.1
97.5°	588.5	601.8	631.9	689.8	753.9	874.9	999.1	1109.5	1136.7	980.3	669.0
100°	808.2	824.7	863.1	937.7	1009.1	1117.0	1223.7	1274.4	1194.6	935.6	596.8
102.5°	1053.6	1066.0	1107.6	1160.7	1237.2	1310.1	1361.3	1330.0	1159.8	856.8	542.1
105°	1372.9	1385.3	1406.0	1440.2	1473.4	1484.8	1439.2	1297.3	1048.6	751.2	489.0
107.5°	1542.4	1550.7	1557.6	1557.7	1541.0	1486.8	1369.8	1180.4	935.0	678.4	466.6
110°	1598.7	1598.7	1591.5	1571.8	1525.2	1437.1	1291.0	1094.1	870.3	644.4	460.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1592.1	1584.7	1566.6	1532.9	1464.6	1360.8	1213.1	1026.2	822.2	624.6	460.0
115°	1529.3	1515.8	1486.8	1437.1	1356.3	1243.3	1101.4	940.8	769.8	603.1	463.2
117.5°	1419.2	1411.0	1382.2	1330.8	1250.0	1146.4	1024.1	885.6	738.5	592.5	470.0
120°	1348.0	1339.7	1311.7	1262.0	1185.4	1094.1	980.2	855.9	721.1	587.5	476.6
122.5°	1285.0	1277.6	1249.6	1204.0	1135.6	1050.3	948.7	833.5	706.2	583.4	482.4
125°	1205.1	1194.6	1171.9	1129.4	1071.4	996.8	906.6	800.9	685.9	578.2	492.1
127.5°	1136.7	1132.1	1110.5	1073.0	1020.4	950.6	866.4	767.8	667.3	575.7	503.1
130°	1099.3	1093.1	1072.4	1038.2	986.4	919.1	838.2	747.1	654.9	574.0	509.8
132.5°	1062.0	1055.0	1035.9	1001.7	949.9	885.0	811.7	726.3	644.9	574.0	517.2
135°	1000.9	994.7	976.1	941.8	896.3	837.2	770.9	699.4	633.1	574.0	527.4
137.5°	935.6	928.8	911.6	880.5	839.7	789.5	734.4	676.6	622.5	575.2	536.7
140°	890.0	884.8	869.3	842.4	804.1	760.5	712.8	664.1	617.5	576.0	540.8
142.5°	847.7	843.4	828.7	805.9	773.4	735.7	694.6	653.4	613.4	576.9	543.3
145°	789.5	785.4	774.0	756.3	731.5	703.6	671.4	639.3	607.2	576.0	546.1
147.5°	740.2	738.3	731.7	717.6	697.9	676.8	652.1	626.1	600.7	573.4	547.1
150°	712.8	711.9	707.7	695.3	679.7	661.0	641.4	618.6	595.8	570.9	547.1
152.5°	691.3	690.3	686.1	676.2	663.2	648.6	630.6	610.3	590.0	567.6	546.3
155°	662.1	661.0	657.9	650.7	640.3	628.9	614.4	597.8	580.2	561.6	543.9
157.5°	636.0	636.1	633.3	627.2	619.2	610.3	599.1	585.4	571.1	555.4	541.3
160°	618.6	619.6	617.5	612.3	605.1	597.8	587.5	577.1	563.7	551.3	538.8
162.5°	602.8	603.1	602.6	598.2	592.6	586.2	577.6	568.0	557.1	546.3	536.3
165°	580.2	580.2	580.2	578.2	574.0	568.8	562.6	555.4	547.1	538.8	532.5
167.5°	559.5	559.7	560.5	558.7	556.6	552.9	548.1	543.3	537.3	531.5	526.7
170°	547.1	548.1	548.1	547.1	545.0	543.0	539.8	536.7	531.5	527.4	524.3
172.5°	535.5	536.5	538.1	536.3	535.9	534.7	532.4	529.2	525.8	522.5	520.9
175°	521.2	522.2	524.3	523.3	523.3	523.3	521.2	521.2	518.1	517.0	517.0
177.5°	513.9	513.9	516.4	515.6	516.4	516.4	516.4	515.6	514.8	513.9	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1506.5	1503.2	1496.9	1491.1	1483.9	1477.7	1473.4	1468.0	1461.3	1453.1	1446.4
5°	1573.2	1560.0	1542.6	1527.5	1508.2	1493.2	1477.6	1462.5	1447.4	1428.2	1411.3
7.5°	1647.2	1619.8	1593.2	1559.8	1529.5	1502.4	1476.3	1450.0	1424.2	1396.9	1370.6
10°	1692.4	1659.3	1622.6	1580.5	1541.9	1505.2	1471.5	1438.4	1403.6	1372.8	1339.7
12.5°	1734.8	1692.0	1650.0	1596.9	1550.6	1505.7	1462.9	1421.6	1384.3	1344.4	1308.9
15°	1773.1	1730.9	1684.0	1619.0	1554.6	1500.4	1449.8	1396.3	1350.0	1305.4	1265.7
17.5°	1787.9	1743.7	1689.2	1626.7	1556.3	1488.2	1423.0	1364.3	1309.7	1257.8	1213.2
20°	1782.1	1739.4	1683.4	1623.8	1548.5	1477.6	1407.1	1342.1	1281.4	1226.5	1179.0
22.5°	1768.1	1723.9	1669.9	1607.0	1535.5	1460.2	1385.0	1315.6	1252.0	1195.2	1143.4
25°	1747.2	1687.0	1631.7	1570.2	1502.3	1427.6	1350.0	1273.5	1205.5	1147.7	1091.2
27.5°	1725.4	1650.3	1579.8	1518.9	1447.0	1380.4	1305.6	1227.2	1155.7	1096.8	1038.8
30°	1705.7	1621.4	1543.7	1474.5	1406.5	1343.4	1272.3	1195.9	1122.5	1061.7	1002.7
32.5°	1681.1	1591.5	1506.2	1426.4	1360.8	1298.1	1233.8	1160.7	1089.2	1026.5	966.6
35°	1650.3	1536.0	1443.2	1358.3	1285.6	1224.8	1167.0	1108.0	1036.4	971.4	913.0
37.5°	1609.8	1480.1	1372.8	1280.4	1203.5	1142.5	1096.9	1043.0	977.7	915.4	861.2
40°	1585.3	1439.7	1322.2	1230.8	1150.1	1085.7	1043.0	997.3	937.7	879.3	825.1
42.5°	1552.6	1402.6	1271.2	1175.9	1094.8	1032.8	989.5	949.6	899.6	844.6	786.6
45°	1488.4	1330.7	1192.8	1090.6	1008.7	947.9	907.6	872.1	834.2	783.6	733.1
47.5°	1404.8	1255.7	1111.5	999.8	919.6	863.2	824.0	796.0	768.9	725.9	676.8
50°	1337.9	1194.1	1053.2	944.9	859.4	805.8	769.2	746.9	722.2	683.1	642.2
52.5°	1258.9	1130.5	992.6	881.8	801.2	751.0	715.7	693.5	673.2	641.2	602.2
55°	1134.5	1022.0	895.5	795.0	721.0	670.5	636.8	615.7	603.7	576.6	545.9
57.5°	990.9	910.3	798.8	701.9	636.4	586.5	561.8	543.9	530.2	511.1	489.5
60°	890.7	834.2	734.2	642.2	582.0	534.4	512.2	497.1	484.5	468.2	451.4
62.5°	789.2	748.0	661.1	582.0	526.6	486.8	465.9	452.4	437.8	426.9	410.5
65°	653.0	616.3	556.1	494.1	443.0	411.1	396.0	384.0	375.0	362.9	351.5
67.5°	508.0	493.0	451.5	408.8	372.0	343.7	330.6	322.3	311.4	304.2	296.3
70°	418.9	411.7	382.2	353.9	319.6	300.3	288.3	284.6	271.4	264.2	258.8
72.5°	339.9	336.5	319.6	300.0	275.8	259.0	247.8	243.8	235.3	229.5	226.0
75°	232.9	234.2	231.1	218.5	209.5	198.6	189.0	186.5	180.6	175.8	172.7
77.5°	147.3	153.5	153.7	153.1	149.5	142.9	138.9	137.1	131.2	129.4	128.7
80°	101.1	107.7	113.8	113.2	111.9	110.1	107.1	105.3	102.3	100.5	99.3
82.5°	67.4	73.6	78.6	81.9	81.6	79.8	77.8	77.0	76.3	75.0	74.7
85°	31.9	33.1	34.9	39.1	42.1	42.7	42.1	41.6	39.7	40.3	40.9
87.5°	13.7	13.4	13.6	13.2	12.3	14.3	15.3	15.6	14.9	14.3	13.7
90°	13.5	11.4	10.3	8.3	6.2	4.1	2.1	1.1	2.1	4.1	6.2
92.5°	236.5	141.5	85.0	54.8	36.9	24.1	15.3	12.7	15.3	24.1	36.9
95°	463.2	235.2	124.3	77.7	54.9	43.5	35.2	34.2	35.2	43.5	54.9
97.5°	369.7	202.7	129.3	95.8	75.3	63.8	58.1	56.8	58.1	63.8	75.3
100°	335.7	201.0	140.9	109.9	90.2	78.7	74.6	72.5	74.6	78.7	90.2
102.5°	321.6	208.5	155.0	124.8	106.7	94.5	91.2	90.0	91.2	94.5	106.7
105°	316.0	223.8	178.3	149.2	132.6	122.3	117.1	117.1	117.1	122.3	132.6
107.5°	325.6	246.6	202.4	176.4	159.2	150.6	145.7	143.6	145.7	150.6	159.2
110°	334.7	263.1	220.7	193.8	178.3	168.9	164.8	162.6	164.8	168.9	178.3



TEST NUMBER: P333606-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	346.3	278.9	238.1	212.0	196.4	187.1	183.8	181.7	183.8	187.1	196.4
115°	363.6	303.6	265.3	239.3	223.8	214.5	211.3	209.3	211.3	214.5	223.8
117.5°	383.6	328.9	292.6	267.5	249.9	240.6	237.3	234.2	237.3	240.6	249.9
120°	396.8	347.1	310.9	284.9	267.3	258.0	253.9	250.7	253.9	258.0	267.3
122.5°	411.8	364.5	328.2	302.4	283.0	273.8	270.5	268.1	270.5	273.8	283.0
125°	432.0	387.5	353.3	326.4	306.7	297.4	292.2	290.1	292.2	297.4	306.7
127.5°	450.8	409.7	376.7	349.8	328.9	317.1	310.4	307.3	310.4	317.1	328.9
130°	463.2	423.7	391.6	364.7	343.0	329.5	321.2	318.1	321.2	329.5	343.0
132.5°	473.9	437.0	404.9	378.0	355.4	340.3	330.3	326.4	330.3	340.3	355.4
135°	489.0	454.9	422.8	394.8	373.0	356.4	344.0	339.8	344.0	356.4	373.0
137.5°	500.2	467.5	438.3	409.5	388.2	371.6	360.0	356.9	360.0	371.6	388.2
140°	507.7	476.6	446.6	418.6	399.0	382.4	369.9	366.8	369.9	382.4	399.0
142.5°	511.8	482.4	454.1	427.8	408.8	392.3	380.7	378.4	380.7	392.3	408.8
145°	518.1	492.1	465.2	441.4	422.8	408.2	397.9	395.8	397.9	408.2	422.8
147.5°	521.8	498.4	474.7	453.8	437.7	424.2	415.3	414.0	415.3	424.2	437.7
150°	524.3	502.5	479.7	462.1	447.6	434.2	426.9	424.8	426.9	434.2	447.6
152.5°	525.9	506.7	485.5	469.6	455.9	444.1	437.7	436.4	437.7	444.1	455.9
155°	527.4	510.8	493.2	478.7	468.3	458.0	451.7	451.7	451.7	458.0	468.3
157.5°	528.4	514.3	499.2	488.2	479.1	470.2	465.2	465.5	465.2	470.2	479.1
160°	528.4	516.0	502.5	493.2	484.9	477.7	473.5	474.6	473.5	477.7	484.9
162.5°	527.6	517.6	505.9	498.2	491.5	485.1	481.0	482.0	481.0	485.1	491.5
165°	526.4	518.1	509.8	503.5	499.4	494.3	491.2	493.2	491.2	494.3	499.4
167.5°	523.9	518.1	511.2	507.3	504.4	501.5	499.6	500.7	499.6	501.5	504.4
170°	522.2	518.1	512.9	509.8	507.7	505.6	504.6	505.6	504.6	505.6	507.7
172.5°	520.6	517.2	512.9	511.4	510.1	508.1	507.1	509.0	507.1	508.1	510.1
175°	518.1	516.0	512.9	512.9	512.9	511.8	510.8	512.9	510.8	511.8	512.9
177.5°	515.6	514.8	513.1	513.1	513.9	513.1	513.1	514.8	513.1	513.1	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333606-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1441.5	1434.9	1430.0	1420.4	1413.6	1410.8	1405.4	1404.0	1409.3	1405.4	1405.0
5°	1398.7	1381.3	1367.4	1353.5	1338.5	1328.9	1314.5	1312.1	1308.4	1303.0	1301.8
7.5°	1347.3	1324.5	1306.7	1283.9	1264.0	1248.0	1229.9	1221.4	1216.7	1209.7	1200.3
10°	1312.6	1285.6	1261.5	1238.6	1214.0	1194.1	1176.0	1162.2	1153.2	1144.7	1141.1
12.5°	1278.4	1250.9	1220.0	1192.4	1164.8	1142.5	1122.6	1113.6	1103.6	1093.7	1085.3
15°	1225.4	1188.7	1154.9	1123.0	1099.6	1075.5	1056.2	1043.0	1028.0	1023.8	1007.5
17.5°	1169.0	1133.0	1093.6	1060.0	1032.8	1006.3	985.1	970.1	958.8	943.3	935.8
20°	1133.9	1091.2	1052.7	1022.0	991.8	960.6	938.9	926.2	915.4	902.8	896.8
22.5°	1096.4	1054.5	1015.1	979.1	948.5	917.7	902.3	889.2	876.9	865.2	857.3
25°	1041.2	999.1	957.5	920.2	888.3	866.0	848.0	832.9	826.3	814.9	806.5
27.5°	986.7	941.9	898.8	861.6	836.6	814.6	799.8	787.8	775.9	765.9	758.6
30°	951.5	905.8	858.8	829.4	802.9	781.8	765.5	754.1	745.1	736.1	730.7
32.5°	916.4	869.2	827.5	795.7	770.6	752.4	735.7	724.8	715.2	705.3	698.8
35°	860.1	811.9	778.2	746.9	722.2	705.3	693.9	678.3	670.5	663.3	656.7
37.5°	807.7	762.9	726.5	699.0	677.5	660.8	646.0	637.6	627.9	621.4	615.9
40°	769.2	728.3	695.2	666.3	650.6	632.0	618.1	607.3	600.0	591.7	585.6
42.5°	734.5	696.4	664.3	638.3	618.8	603.1	589.7	578.9	569.7	563.7	558.7
45°	685.5	647.6	616.3	592.2	574.2	559.1	545.3	539.8	527.8	520.6	518.2
47.5°	634.8	600.9	570.7	548.5	530.0	515.8	502.7	491.7	485.1	478.0	474.1
50°	600.7	568.1	539.8	518.2	500.2	484.5	472.4	465.2	456.2	449.6	444.8
52.5°	566.5	536.4	508.1	487.4	471.7	456.1	442.6	435.4	426.9	422.6	419.3
55°	517.6	485.7	461.6	441.1	424.9	410.5	397.8	390.6	385.2	380.9	379.8
57.5°	462.3	436.9	414.6	396.1	379.2	365.7	354.6	347.8	343.0	342.3	338.8
60°	426.1	403.2	382.8	362.9	348.5	335.8	326.2	318.3	313.5	313.0	311.7
62.5°	390.0	368.1	349.1	331.6	318.6	306.5	297.3	288.6	285.6	282.7	280.0
65°	336.4	316.6	301.0	287.0	273.2	263.0	254.0	248.6	241.9	238.4	231.8
67.5°	283.8	268.4	253.4	241.7	230.9	221.1	213.7	205.6	201.2	198.2	193.4
70°	249.1	237.1	222.1	209.5	201.0	193.2	187.2	178.2	175.1	172.7	170.3
72.5°	216.4	205.8	193.2	183.0	174.5	167.2	160.2	156.0	153.0	150.6	149.2
75°	170.3	160.1	149.3	142.0	136.0	130.0	126.4	123.4	122.2	121.5	119.1
77.5°	125.1	119.7	111.0	105.2	101.2	98.8	95.6	94.0	93.9	91.2	90.4
80°	95.7	92.6	85.4	83.0	80.1	77.7	75.8	72.9	69.8	68.6	66.8
82.5°	71.2	68.1	65.3	61.3	58.9	57.4	55.6	54.5	54.9	53.2	52.3
85°	37.9	34.9	33.7	33.1	31.9	33.1	32.5	31.9	31.3	30.7	31.3
87.5°	13.7	14.1	13.8	15.2	14.0	14.9	15.1	14.8	15.0	15.2	15.2
90°	8.3	10.3	11.4	13.5	14.5	16.6	17.7	18.6	19.7	20.7	22.8
92.5°	54.8	85.0	141.5	236.5	339.5	334.0	270.5	183.6	133.2	100.3	85.0
95°	77.7	124.3	235.2	463.2	749.1	918.0	898.3	744.9	587.5	460.0	373.0
97.5°	95.8	129.3	202.7	369.7	669.0	980.3	1136.7	1109.5	999.1	874.9	753.9
100°	109.9	140.9	201.0	335.7	596.8	935.6	1194.6	1274.4	1223.7	1117.0	1009.1
102.5°	124.8	155.0	208.5	321.6	542.1	856.8	1159.8	1330.0	1361.3	1310.1	1237.2
105°	149.2	178.3	223.8	316.0	489.0	751.2	1048.6	1297.3	1439.2	1484.8	1473.4
107.5°	176.4	202.4	246.6	325.6	466.6	678.4	935.0	1180.4	1369.8	1486.8	1541.0
110°	193.8	220.7	263.1	334.7	460.0	644.4	870.3	1094.1	1291.0	1437.1	1525.2



TEST NUMBER: P333606-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	212.0	238.1	278.9	346.3	460.0	624.6	822.2	1026.2	1213.1	1360.8	1464.6
115°	239.3	265.3	303.6	363.6	463.2	603.1	769.8	940.8	1101.4	1243.3	1356.3
117.5°	267.5	292.6	328.9	383.6	470.0	592.5	738.5	885.6	1024.1	1146.4	1250.0
120°	284.9	310.9	347.1	396.8	476.6	587.5	721.1	855.9	980.2	1094.1	1185.4
122.5°	302.4	328.2	364.5	411.8	482.4	583.4	706.2	833.5	948.7	1050.3	1135.6
125°	326.4	353.3	387.5	432.0	492.1	578.2	685.9	800.9	906.6	996.8	1071.4
127.5°	349.8	376.7	409.7	450.8	503.1	575.7	667.3	767.8	866.4	950.6	1020.4
130°	364.7	391.6	423.7	463.2	509.8	574.0	654.9	747.1	838.2	919.1	986.4
132.5°	378.0	404.9	437.0	473.9	517.2	574.0	644.9	726.3	811.7	885.0	949.9
135°	394.8	422.8	454.9	489.0	527.4	574.0	633.1	699.4	770.9	837.2	896.3
137.5°	409.5	438.3	467.5	500.2	536.7	575.2	622.5	676.6	734.4	789.5	839.7
140°	418.6	446.6	476.6	507.7	540.8	576.0	617.5	664.1	712.8	760.5	804.1
142.5°	427.8	454.1	482.4	511.8	543.3	576.9	613.4	653.4	694.6	735.7	773.4
145°	441.4	465.2	492.1	518.1	546.1	576.0	607.2	639.3	671.4	703.6	731.5
147.5°	453.8	474.7	498.4	521.8	547.1	573.4	600.7	626.1	652.1	676.8	697.9
150°	462.1	479.7	502.5	524.3	547.1	570.9	595.8	618.6	641.4	661.0	679.7
152.5°	469.6	485.5	506.7	525.9	546.3	567.6	590.0	610.3	630.6	648.6	663.2
155°	478.7	493.2	510.8	527.4	543.9	561.6	580.2	597.8	614.4	628.9	640.3
157.5°	488.2	499.2	514.3	528.4	541.3	555.4	571.1	585.4	599.1	610.3	619.2
160°	493.2	502.5	516.0	528.4	538.8	551.3	563.7	577.1	587.5	597.8	605.1
162.5°	498.2	505.9	517.6	527.6	536.3	546.3	557.1	568.0	577.6	586.2	592.6
165°	503.5	509.8	518.1	526.4	532.5	538.8	547.1	555.4	562.6	568.8	574.0
167.5°	507.3	511.2	518.1	523.9	526.7	531.5	537.3	543.3	548.1	552.9	556.6
170°	509.8	512.9	518.1	522.2	524.3	527.4	531.5	536.7	539.8	543.0	545.0
172.5°	511.4	512.9	517.2	520.6	520.9	522.5	525.8	529.2	532.4	534.7	535.9
175°	512.9	512.9	516.0	518.1	517.0	517.0	518.1	521.2	521.2	523.3	523.3
177.5°	513.1	513.1	514.8	515.6	513.9	513.9	514.8	515.6	516.4	516.4	516.4
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333606-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1404.4	1399.2	1397.8	1399.6	1397.8	1399.2	1404.4	1405.0	1405.4	1409.3	1404.0
5°	1295.8	1289.8	1292.8	1291.6	1292.8	1289.8	1295.8	1301.8	1303.0	1308.4	1312.1
7.5°	1200.2	1192.8	1184.8	1187.3	1184.8	1192.8	1200.2	1200.3	1209.7	1216.7	1221.4
10°	1133.3	1127.3	1123.6	1126.7	1123.6	1127.3	1133.3	1141.1	1144.7	1153.2	1162.2
12.5°	1076.9	1073.4	1070.2	1068.9	1070.2	1073.4	1076.9	1085.3	1093.7	1103.6	1113.6
15°	1000.3	993.1	990.1	982.2	990.1	993.1	1000.3	1007.5	1023.8	1028.0	1043.0
17.5°	929.6	927.2	919.4	916.1	919.4	927.2	929.6	935.8	943.3	958.8	970.1
20°	887.7	885.3	877.5	882.3	877.5	885.3	887.7	896.8	902.8	915.4	926.2
22.5°	853.1	847.7	845.3	843.8	845.3	847.7	853.1	857.3	865.2	876.9	889.2
25°	804.1	796.2	793.3	789.6	793.3	796.2	804.1	806.5	814.9	826.3	832.9
27.5°	755.2	751.0	747.0	746.1	747.0	751.0	755.2	758.6	765.9	775.9	787.8
30°	723.4	719.3	716.2	716.2	716.2	719.3	723.4	730.7	736.1	745.1	754.1
32.5°	695.0	691.8	688.8	688.3	688.8	691.8	695.0	698.8	705.3	715.2	724.8
35°	653.6	648.8	647.6	644.0	647.6	648.8	653.6	656.7	663.3	670.5	678.3
37.5°	610.6	606.6	606.5	606.2	606.5	606.6	610.6	615.9	621.4	627.9	637.6
40°	583.2	580.1	579.6	575.3	579.6	580.1	583.2	585.6	591.7	600.0	607.3
42.5°	553.8	552.2	550.2	548.4	550.2	552.2	553.8	558.7	563.7	569.7	578.9
45°	514.0	509.8	509.8	506.8	509.8	509.8	514.0	518.2	520.6	527.8	539.8
47.5°	472.8	469.6	469.9	466.8	469.9	469.6	472.8	474.1	478.0	485.1	491.7
50°	445.4	443.5	443.0	441.8	443.0	443.5	445.4	444.8	449.6	456.2	465.2
52.5°	417.9	417.1	419.4	416.7	419.4	417.1	417.9	419.3	422.6	426.9	435.4
55°	380.9	379.2	382.8	379.2	382.8	379.2	380.9	379.8	380.9	385.2	390.6
57.5°	338.5	336.8	340.0	338.2	340.0	336.8	338.5	338.8	342.3	343.0	347.8
60°	310.6	306.9	308.7	309.3	308.7	306.9	310.6	311.7	313.0	313.5	318.3
62.5°	277.3	275.2	276.5	273.8	276.5	275.2	277.3	280.0	282.7	285.6	288.6
65°	230.5	228.7	226.3	225.1	226.3	228.7	230.5	231.8	238.4	241.9	248.6
67.5°	193.7	189.3	189.2	190.2	189.2	189.3	193.7	193.4	198.2	201.2	205.6
70°	166.7	166.7	166.1	166.1	166.1	166.7	166.7	170.3	172.7	175.1	178.2
72.5°	147.9	147.5	146.3	145.9	146.3	147.5	147.9	149.2	150.6	153.0	156.0
75°	119.1	119.8	118.6	118.0	118.6	119.8	119.1	119.1	121.5	122.2	123.4
77.5°	88.0	85.4	86.8	85.4	86.8	85.4	88.0	90.4	91.2	93.9	94.0
80°	66.8	66.2	68.0	66.2	68.0	66.2	66.8	66.8	68.6	69.8	72.9
82.5°	52.9	52.3	53.1	51.7	53.1	52.3	52.9	52.3	53.2	54.9	54.5
85°	31.9	31.3	30.7	31.3	30.7	31.3	31.9	31.3	30.7	31.3	31.9
87.5°	15.6	15.2	15.3	15.3	15.3	15.2	15.6	15.2	15.2	15.0	14.8
90°	22.8	22.8	23.8	23.8	23.8	22.8	22.8	22.8	20.7	19.7	18.6
92.5°	71.7	69.2	67.8	66.1	67.8	69.2	71.7	85.0	100.3	133.2	183.6
95°	299.4	268.3	260.1	243.5	260.1	268.3	299.4	373.0	460.0	587.5	744.9
97.5°	689.8	631.9	601.8	588.5	601.8	631.9	689.8	753.9	874.9	999.1	1109.5
100°	937.7	863.1	824.7	808.2	824.7	863.1	937.7	1009.1	1117.0	1223.7	1274.4
102.5°	1160.7	1107.6	1066.0	1053.6	1066.0	1107.6	1160.7	1237.2	1310.1	1361.3	1330.0
105°	1440.2	1406.0	1385.3	1372.9	1385.3	1406.0	1440.2	1473.4	1484.8	1439.2	1297.3
107.5°	1557.7	1557.6	1550.7	1542.4	1550.7	1557.6	1557.7	1541.0	1486.8	1369.8	1180.4
110°	1571.8	1591.5	1598.7	1598.7	1598.7	1591.5	1571.8	1525.2	1437.1	1291.0	1094.1



TEST NUMBER: P333606-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1532.9	1566.6	1584.7	1592.1	1584.7	1566.6	1532.9	1464.6	1360.8	1213.1	1026.2
115°	1437.1	1486.8	1515.8	1529.3	1515.8	1486.8	1437.1	1356.3	1243.3	1101.4	940.8
117.5°	1330.8	1382.2	1411.0	1419.2	1411.0	1382.2	1330.8	1250.0	1146.4	1024.1	885.6
120°	1262.0	1311.7	1339.7	1348.0	1339.7	1311.7	1262.0	1185.4	1094.1	980.2	855.9
122.5°	1204.0	1249.6	1277.6	1285.0	1277.6	1249.6	1204.0	1135.6	1050.3	948.7	833.5
125°	1129.4	1171.9	1194.6	1205.1	1194.6	1171.9	1129.4	1071.4	996.8	906.6	800.9
127.5°	1073.0	1110.5	1132.1	1136.7	1132.1	1110.5	1073.0	1020.4	950.6	866.4	767.8
130°	1038.2	1072.4	1093.1	1099.3	1093.1	1072.4	1038.2	986.4	919.1	838.2	747.1
132.5°	1001.7	1035.9	1055.0	1062.0	1055.0	1035.9	1001.7	949.9	885.0	811.7	726.3
135°	941.8	976.1	994.7	1000.9	994.7	976.1	941.8	896.3	837.2	770.9	699.4
137.5°	880.5	911.6	928.8	935.6	928.8	911.6	880.5	839.7	789.5	734.4	676.6
140°	842.4	869.3	884.8	890.0	884.8	869.3	842.4	804.1	760.5	712.8	664.1
142.5°	805.9	828.7	843.4	847.7	843.4	828.7	805.9	773.4	735.7	694.6	653.4
145°	756.3	774.0	785.4	789.5	785.4	774.0	756.3	731.5	703.6	671.4	639.3
147.5°	717.6	731.7	738.3	740.2	738.3	731.7	717.6	697.9	676.8	652.1	626.1
150°	695.3	707.7	711.9	712.8	711.9	707.7	695.3	679.7	661.0	641.4	618.6
152.5°	676.2	686.1	690.3	691.3	690.3	686.1	676.2	663.2	648.6	630.6	610.3
155°	650.7	657.9	661.0	662.1	661.0	657.9	650.7	640.3	628.9	614.4	597.8
157.5°	627.2	633.3	636.1	636.0	636.1	633.3	627.2	619.2	610.3	599.1	585.4
160°	612.3	617.5	619.6	618.6	619.6	617.5	612.3	605.1	597.8	587.5	577.1
162.5°	598.2	602.6	603.1	602.8	603.1	602.6	598.2	592.6	586.2	577.6	568.0
165°	578.2	580.2	580.2	580.2	580.2	580.2	578.2	574.0	568.8	562.6	555.4
167.5°	558.7	560.5	559.7	559.5	559.7	560.5	558.7	556.6	552.9	548.1	543.3
170°	547.1	548.1	548.1	547.1	548.1	548.1	547.1	545.0	543.0	539.8	536.7
172.5°	536.3	538.1	536.5	535.5	536.5	538.1	536.3	535.9	534.7	532.4	529.2
175°	523.3	524.3	522.2	521.2	522.2	524.3	523.3	523.3	523.3	521.2	521.2
177.5°	515.6	516.4	513.9	513.9	513.9	516.4	515.6	516.4	516.4	516.4	515.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333606-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1405.4	1410.8	1413.6	1420.4	1430.0	1434.9	1441.5	1446.4	1453.1	1461.3	1468.0
5°	1314.5	1328.9	1338.5	1353.5	1367.4	1381.3	1398.7	1411.3	1428.2	1447.4	1462.5
7.5°	1229.9	1248.0	1264.0	1283.9	1306.7	1324.5	1347.3	1370.6	1396.9	1424.2	1450.0
10°	1176.0	1194.1	1214.0	1238.6	1261.5	1285.6	1312.6	1339.7	1372.8	1403.6	1438.4
12.5°	1122.6	1142.5	1164.8	1192.4	1220.0	1250.9	1278.4	1308.9	1344.4	1384.3	1421.6
15°	1056.2	1075.5	1099.6	1123.0	1154.9	1188.7	1225.4	1265.7	1305.4	1350.0	1396.3
17.5°	985.1	1006.3	1032.8	1060.0	1093.6	1133.0	1169.0	1213.2	1257.8	1309.7	1364.3
20°	938.9	960.6	991.8	1022.0	1052.7	1091.2	1133.9	1179.0	1226.5	1281.4	1342.1
22.5°	902.3	917.7	948.5	979.1	1015.1	1054.5	1096.4	1143.4	1195.2	1252.0	1315.6
25°	848.0	866.0	888.3	920.2	957.5	999.1	1041.2	1091.2	1147.7	1205.5	1273.5
27.5°	799.8	814.6	836.6	861.6	898.8	941.9	986.7	1038.8	1096.8	1155.7	1227.2
30°	765.5	781.8	802.9	829.4	858.8	905.8	951.5	1002.7	1061.7	1122.5	1195.9
32.5°	735.7	752.4	770.6	795.7	827.5	869.2	916.4	966.6	1026.5	1089.2	1160.7
35°	693.9	705.3	722.2	746.9	778.2	811.9	860.1	913.0	971.4	1036.4	1108.0
37.5°	646.0	660.8	677.5	699.0	726.5	762.9	807.7	861.2	915.4	977.7	1043.0
40°	618.1	632.0	650.6	666.3	695.2	728.3	769.2	825.1	879.3	937.7	997.3
42.5°	589.7	603.1	618.8	638.3	664.3	696.4	734.5	786.6	844.6	899.6	949.6
45°	545.3	559.1	574.2	592.2	616.3	647.6	685.5	733.1	783.6	834.2	872.1
47.5°	502.7	515.8	530.0	548.5	570.7	600.9	634.8	676.8	725.9	768.9	796.0
50°	472.4	484.5	500.2	518.2	539.8	568.1	600.7	642.2	683.1	722.2	746.9
52.5°	442.6	456.1	471.7	487.4	508.1	536.4	566.5	602.2	641.2	673.2	693.5
55°	397.8	410.5	424.9	441.1	461.6	485.7	517.6	545.9	576.6	603.7	615.7
57.5°	354.6	365.7	379.2	396.1	414.6	436.9	462.3	489.5	511.1	530.2	543.9
60°	326.2	335.8	348.5	362.9	382.8	403.2	426.1	451.4	468.2	484.5	497.1
62.5°	297.3	306.5	318.6	331.6	349.1	368.1	390.0	410.5	426.9	437.8	452.4
65°	254.0	263.0	273.2	287.0	301.0	316.6	336.4	351.5	362.9	375.0	384.0
67.5°	213.7	221.1	230.9	241.7	253.4	268.4	283.8	296.3	304.2	311.4	322.3
70°	187.2	193.2	201.0	209.5	222.1	237.1	249.1	258.8	264.2	271.4	284.6
72.5°	160.2	167.2	174.5	183.0	193.2	205.8	216.4	226.0	229.5	235.3	243.8
75°	126.4	130.0	136.0	142.0	149.3	160.1	170.3	172.7	175.8	180.6	186.5
77.5°	95.6	98.8	101.2	105.2	111.0	119.7	125.1	128.7	129.4	131.2	137.1
80°	75.8	77.7	80.1	83.0	85.4	92.6	95.7	99.3	100.5	102.3	105.3
82.5°	55.6	57.4	58.9	61.3	65.3	68.1	71.2	74.7	75.0	76.3	77.0
85°	32.5	33.1	31.9	33.1	33.7	34.9	37.9	40.9	40.3	39.7	41.6
87.5°	15.1	14.9	14.0	15.2	13.8	14.1	13.7	13.7	14.3	14.9	15.6
90°	17.7	16.6	14.5	13.5	11.4	10.3	8.3	6.2	4.1	2.1	1.1
92.5°	270.5	334.0	339.5	236.5	141.5	85.0	54.8	36.9	24.1	15.3	12.7
95°	898.3	918.0	749.1	463.2	235.2	124.3	77.7	54.9	43.5	35.2	34.2
97.5°	1136.7	980.3	669.0	369.7	202.7	129.3	95.8	75.3	63.8	58.1	56.8
100°	1194.6	935.6	596.8	335.7	201.0	140.9	109.9	90.2	78.7	74.6	72.5
102.5°	1159.8	856.8	542.1	321.6	208.5	155.0	124.8	106.7	94.5	91.2	90.0
105°	1048.6	751.2	489.0	316.0	223.8	178.3	149.2	132.6	122.3	117.1	117.1
107.5°	935.0	678.4	466.6	325.6	246.6	202.4	176.4	159.2	150.6	145.7	143.6
110°	870.3	644.4	460.0	334.7	263.1	220.7	193.8	178.3	168.9	164.8	162.6



TEST NUMBER: P333606-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	822.2	624.6	460.0	346.3	278.9	238.1	212.0	196.4	187.1	183.8	181.7
115°	769.8	603.1	463.2	363.6	303.6	265.3	239.3	223.8	214.5	211.3	209.3
117.5°	738.5	592.5	470.0	383.6	328.9	292.6	267.5	249.9	240.6	237.3	234.2
120°	721.1	587.5	476.6	396.8	347.1	310.9	284.9	267.3	258.0	253.9	250.7
122.5°	706.2	583.4	482.4	411.8	364.5	328.2	302.4	283.0	273.8	270.5	268.1
125°	685.9	578.2	492.1	432.0	387.5	353.3	326.4	306.7	297.4	292.2	290.1
127.5°	667.3	575.7	503.1	450.8	409.7	376.7	349.8	328.9	317.1	310.4	307.3
130°	654.9	574.0	509.8	463.2	423.7	391.6	364.7	343.0	329.5	321.2	318.1
132.5°	644.9	574.0	517.2	473.9	437.0	404.9	378.0	355.4	340.3	330.3	326.4
135°	633.1	574.0	527.4	489.0	454.9	422.8	394.8	373.0	356.4	344.0	339.8
137.5°	622.5	575.2	536.7	500.2	467.5	438.3	409.5	388.2	371.6	360.0	356.9
140°	617.5	576.0	540.8	507.7	476.6	446.6	418.6	399.0	382.4	369.9	366.8
142.5°	613.4	576.9	543.3	511.8	482.4	454.1	427.8	408.8	392.3	380.7	378.4
145°	607.2	576.0	546.1	518.1	492.1	465.2	441.4	422.8	408.2	397.9	395.8
147.5°	600.7	573.4	547.1	521.8	498.4	474.7	453.8	437.7	424.2	415.3	414.0
150°	595.8	570.9	547.1	524.3	502.5	479.7	462.1	447.6	434.2	426.9	424.8
152.5°	590.0	567.6	546.3	525.9	506.7	485.5	469.6	455.9	444.1	437.7	436.4
155°	580.2	561.6	543.9	527.4	510.8	493.2	478.7	468.3	458.0	451.7	451.7
157.5°	571.1	555.4	541.3	528.4	514.3	499.2	488.2	479.1	470.2	465.2	465.5
160°	563.7	551.3	538.8	528.4	516.0	502.5	493.2	484.9	477.7	473.5	474.6
162.5°	557.1	546.3	536.3	527.6	517.6	505.9	498.2	491.5	485.1	481.0	482.0
165°	547.1	538.8	532.5	526.4	518.1	509.8	503.5	499.4	494.3	491.2	493.2
167.5°	537.3	531.5	526.7	523.9	518.1	511.2	507.3	504.4	501.5	499.6	500.7
170°	531.5	527.4	524.3	522.2	518.1	512.9	509.8	507.7	505.6	504.6	505.6
172.5°	525.8	522.5	520.9	520.6	517.2	512.9	511.4	510.1	508.1	507.1	509.0
175°	518.1	517.0	517.0	518.1	516.0	512.9	512.9	512.9	511.8	510.8	512.9
177.5°	514.8	513.9	513.9	515.6	514.8	513.1	513.1	513.9	513.1	513.1	514.8
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



TEST NUMBER: P333606-940

CATALOG NUMBER: S125RDIP-S1090D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1473.4	1477.7	1483.9	1491.1	1496.9	1503.2	1506.5	1506.5	1509.5	1515.7	1523.9
5°	1477.6	1493.2	1508.2	1527.5	1542.6	1560.0	1573.2	1585.9	1597.3	1611.8	1626.8
7.5°	1476.3	1502.4	1529.5	1559.8	1593.2	1619.8	1647.2	1668.6	1689.8	1717.4	1739.2
10°	1471.5	1505.2	1541.9	1580.5	1622.6	1659.3	1692.4	1722.5	1751.4	1781.5	1808.6
12.5°	1462.9	1505.7	1550.6	1596.9	1650.0	1692.0	1734.8	1766.8	1800.5	1833.4	1866.8
15°	1449.8	1500.4	1554.6	1619.0	1684.0	1730.9	1773.1	1814.6	1845.8	1883.2	1915.1
17.5°	1423.0	1488.2	1556.3	1626.7	1689.2	1743.7	1787.9	1827.4	1860.7	1901.8	1945.1
20°	1407.1	1477.6	1548.5	1623.8	1683.4	1739.4	1782.1	1823.0	1864.6	1918.1	1971.0
22.5°	1385.0	1460.2	1535.5	1607.0	1669.9	1723.9	1768.1	1818.2	1872.7	1933.5	1997.5
25°	1350.0	1427.6	1502.3	1570.2	1631.7	1687.0	1747.2	1814.6	1880.8	1960.9	2052.9
27.5°	1305.6	1380.4	1447.0	1518.9	1579.8	1650.3	1725.4	1798.5	1893.9	2004.0	2119.0
30°	1272.3	1343.4	1406.5	1474.5	1543.7	1621.4	1705.7	1791.7	1905.5	2034.9	2171.5
32.5°	1233.8	1298.1	1360.8	1426.4	1506.2	1591.5	1681.1	1786.5	1922.4	2069.6	2211.0
35°	1167.0	1224.8	1285.6	1358.3	1443.2	1536.0	1650.3	1778.5	1942.8	2101.0	2228.0
37.5°	1096.9	1142.5	1203.5	1280.4	1372.8	1480.1	1609.8	1765.6	1934.4	2076.3	2130.5
40°	1043.0	1085.7	1150.1	1230.8	1322.2	1439.7	1585.3	1745.3	1915.1	2013.8	2009.6
42.5°	989.5	1032.8	1094.8	1175.9	1271.2	1402.6	1552.6	1718.9	1862.2	1899.7	1821.3
45°	907.6	947.9	1008.7	1090.6	1192.8	1330.7	1488.4	1647.9	1739.4	1678.6	1523.3
47.5°	824.0	863.2	919.6	999.8	1111.5	1255.7	1404.8	1535.7	1548.5	1418.0	1231.7
50°	769.2	805.8	859.4	944.9	1053.2	1194.1	1337.9	1440.8	1408.9	1249.5	1057.5
52.5°	715.7	751.0	801.2	881.8	992.6	1130.5	1258.9	1339.7	1266.0	1096.4	923.6
55°	636.8	670.5	721.0	795.0	895.5	1022.0	1134.5	1164.0	1055.6	884.8	745.1
57.5°	561.8	586.5	636.4	701.9	798.8	910.3	990.9	985.6	866.0	712.1	612.0
60°	512.2	534.4	582.0	642.2	734.2	834.2	890.7	866.7	745.7	618.7	522.4
62.5°	465.9	486.8	526.6	582.0	661.1	748.0	789.2	755.9	641.7	530.1	453.5
65°	396.0	411.1	443.0	494.1	556.1	616.3	653.0	604.2	503.2	418.9	361.1
67.5°	330.6	343.7	372.0	408.8	451.5	493.0	508.0	462.3	383.6	326.8	286.1
70°	288.3	300.3	319.6	353.9	382.2	411.7	418.9	378.0	312.4	269.0	243.8
72.5°	247.8	259.0	275.8	300.0	319.6	336.5	339.9	301.9	251.7	221.9	202.3
75°	189.0	198.6	209.5	218.5	231.1	234.2	232.9	203.4	176.4	156.5	145.6
77.5°	138.9	142.9	149.5	153.1	153.7	153.5	147.3	128.7	114.7	106.6	102.1
80°	107.1	110.1	111.9	113.2	113.8	107.7	101.1	89.7	84.9	80.1	74.6
82.5°	77.8	79.8	81.6	81.9	78.6	73.6	67.4	61.7	58.4	56.0	53.9
85°	42.1	42.7	42.1	39.1	34.9	33.1	31.9	30.7	30.1	29.5	29.5
87.5°	15.3	14.3	12.3	13.2	13.6	13.4	13.7	13.5	13.5	13.6	13.8
90°	2.1	4.1	6.2	8.3	10.3	11.4	13.5	14.5	16.6	17.7	18.6
92.5°	15.3	24.1	36.9	54.8	85.0	141.5	236.5	339.5	334.0	270.5	183.6
95°	35.2	43.5	54.9	77.7	124.3	235.2	463.2	749.1	918.0	898.3	744.9
97.5°	58.1	63.8	75.3	95.8	129.3	202.7	369.7	669.0	980.3	1136.7	1109.5
100°	74.6	78.7	90.2	109.9	140.9	201.0	335.7	596.8	935.6	1194.6	1274.4
102.5°	91.2	94.5	106.7	124.8	155.0	208.5	321.6	542.1	856.8	1159.8	1330.0
105°	117.1	122.3	132.6	149.2	178.3	223.8	316.0	489.0	751.2	1048.6	1297.3
107.5°	145.7	150.6	159.2	176.4	202.4	246.6	325.6	466.6	678.4	935.0	1180.4
110°	164.8	168.9	178.3	193.8	220.7	263.1	334.7	460.0	644.4	870.3	1094.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	183.8	187.1	196.4	212.0	238.1	278.9	346.3	460.0	624.6	822.2	1026.2
115°	211.3	214.5	223.8	239.3	265.3	303.6	363.6	463.2	603.1	769.8	940.8
117.5°	237.3	240.6	249.9	267.5	292.6	328.9	383.6	470.0	592.5	738.5	885.6
120°	253.9	258.0	267.3	284.9	310.9	347.1	396.8	476.6	587.5	721.1	855.9
122.5°	270.5	273.8	283.0	302.4	328.2	364.5	411.8	482.4	583.4	706.2	833.5
125°	292.2	297.4	306.7	326.4	353.3	387.5	432.0	492.1	578.2	685.9	800.9
127.5°	310.4	317.1	328.9	349.8	376.7	409.7	450.8	503.1	575.7	667.3	767.8
130°	321.2	329.5	343.0	364.7	391.6	423.7	463.2	509.8	574.0	654.9	747.1
132.5°	330.3	340.3	355.4	378.0	404.9	437.0	473.9	517.2	574.0	644.9	726.3
135°	344.0	356.4	373.0	394.8	422.8	454.9	489.0	527.4	574.0	633.1	699.4
137.5°	360.0	371.6	388.2	409.5	438.3	467.5	500.2	536.7	575.2	622.5	676.6
140°	369.9	382.4	399.0	418.6	446.6	476.6	507.7	540.8	576.0	617.5	664.1
142.5°	380.7	392.3	408.8	427.8	454.1	482.4	511.8	543.3	576.9	613.4	653.4
145°	397.9	408.2	422.8	441.4	465.2	492.1	518.1	546.1	576.0	607.2	639.3
147.5°	415.3	424.2	437.7	453.8	474.7	498.4	521.8	547.1	573.4	600.7	626.1
150°	426.9	434.2	447.6	462.1	479.7	502.5	524.3	547.1	570.9	595.8	618.6
152.5°	437.7	444.1	455.9	469.6	485.5	506.7	525.9	546.3	567.6	590.0	610.3
155°	451.7	458.0	468.3	478.7	493.2	510.8	527.4	543.9	561.6	580.2	597.8
157.5°	465.2	470.2	479.1	488.2	499.2	514.3	528.4	541.3	555.4	571.1	585.4
160°	473.5	477.7	484.9	493.2	502.5	516.0	528.4	538.8	551.3	563.7	577.1
162.5°	481.0	485.1	491.5	498.2	505.9	517.6	527.6	536.3	546.3	557.1	568.0
165°	491.2	494.3	499.4	503.5	509.8	518.1	526.4	532.5	538.8	547.1	555.4
167.5°	499.6	501.5	504.4	507.3	511.2	518.1	523.9	526.7	531.5	537.3	543.3
170°	504.6	505.6	507.7	509.8	512.9	518.1	522.2	524.3	527.4	531.5	536.7
172.5°	507.1	508.1	510.1	511.4	512.9	517.2	520.6	520.9	522.5	525.8	529.2
175°	510.8	511.8	512.9	512.9	512.9	516.0	518.1	517.0	517.0	518.1	521.2
177.5°	513.1	513.1	513.9	513.1	513.1	514.8	515.6	513.9	513.9	514.8	515.6
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9	513.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1530.2	1530.2	1538.4	1537.8	1543.2	1541.2	1542.2
5°	1644.8	1655.1	1664.1	1670.2	1679.2	1681.6	1680.3
7.5°	1763.8	1786.5	1797.6	1812.8	1815.5	1823.5	1822.7
10°	1837.5	1859.8	1876.6	1889.8	1896.4	1904.9	1905.5
12.5°	1895.2	1914.1	1929.0	1941.3	1949.4	1952.0	1953.6
15°	1940.4	1961.4	1978.9	1996.4	2006.6	2014.4	2018.7
17.5°	1985.8	2018.4	2049.2	2072.9	2087.1	2099.2	2099.0
20°	2021.1	2058.3	2096.9	2124.0	2151.6	2163.6	2165.4
22.5°	2058.6	2115.7	2165.3	2207.3	2243.5	2256.1	2260.8
25°	2136.5	2211.2	2287.7	2346.6	2388.7	2413.4	2417.1
27.5°	2230.8	2331.8	2412.3	2466.7	2501.7	2520.0	2523.9
30°	2297.3	2390.6	2462.8	2503.7	2520.0	2522.4	2513.4
32.5°	2327.1	2396.8	2425.7	2423.3	2391.4	2370.3	2362.1
35°	2290.6	2276.2	2205.8	2121.6	2057.2	2016.2	2005.4
37.5°	2084.6	1960.0	1830.5	1703.2	1635.4	1600.9	1541.7
40°	1881.4	1703.9	1569.1	1461.9	1385.5	1324.1	1309.7
42.5°	1652.3	1468.9	1334.1	1242.3	1181.3	1139.2	1120.9
45°	1327.7	1170.0	1058.6	988.3	941.3	910.6	896.8
47.5°	1061.9	939.9	858.7	806.6	770.9	744.1	736.6
50°	916.1	818.5	749.9	706.0	678.9	658.4	650.0
52.5°	795.7	716.9	664.2	627.9	602.4	589.6	582.6
55°	656.7	588.6	550.7	521.8	507.4	497.1	492.3
57.5°	537.0	487.9	460.2	440.2	426.9	420.4	417.9
60°	470.0	431.5	406.3	390.6	381.6	373.2	370.8
62.5°	410.8	380.5	361.0	347.2	338.2	334.7	333.1
65°	331.0	311.1	296.7	288.3	281.1	279.8	279.3
67.5°	263.1	251.5	243.9	235.1	232.6	228.4	227.5
70°	225.1	217.3	208.2	205.3	202.2	198.0	198.6
72.5°	190.9	183.1	176.9	173.0	171.9	170.0	171.7
75°	139.6	137.2	134.8	131.8	130.6	130.6	130.0
77.5°	99.7	97.6	95.0	93.2	92.8	90.2	91.2
80°	72.2	69.2	68.0	68.6	66.8	66.2	66.2
82.5°	53.4	52.3	51.2	51.3	50.9	50.3	50.8
85°	29.5	28.9	28.9	28.3	28.3	27.6	27.6
87.5°	14.5	15.2	14.7	14.2	14.2	14.9	15.3
90°	19.7	20.7	22.8	22.8	22.8	23.8	23.8
92.5°	133.2	100.3	85.0	71.7	69.2	67.8	66.1
95°	587.5	460.0	373.0	299.4	268.3	260.1	243.5
97.5°	999.1	874.9	753.9	689.8	631.9	601.8	588.5
100°	1223.7	1117.0	1009.1	937.7	863.1	824.7	808.2
102.5°	1361.3	1310.1	1237.2	1160.7	1107.6	1066.0	1053.6
105°	1439.2	1484.8	1473.4	1440.2	1406.0	1385.3	1372.9
107.5°	1369.8	1486.8	1541.0	1557.7	1557.6	1550.7	1542.4
110°	1291.0	1437.1	1525.2	1571.8	1591.5	1598.7	1598.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1213.1	1360.8	1464.6	1532.9	1566.6	1584.7	1592.1
115°	1101.4	1243.3	1356.3	1437.1	1486.8	1515.8	1529.3
117.5°	1024.1	1146.4	1250.0	1330.8	1382.2	1411.0	1419.2
120°	980.2	1094.1	1185.4	1262.0	1311.7	1339.7	1348.0
122.5°	948.7	1050.3	1135.6	1204.0	1249.6	1277.6	1285.0
125°	906.6	996.8	1071.4	1129.4	1171.9	1194.6	1205.1
127.5°	866.4	950.6	1020.4	1073.0	1110.5	1132.1	1136.7
130°	838.2	919.1	986.4	1038.2	1072.4	1093.1	1099.3
132.5°	811.7	885.0	949.9	1001.7	1035.9	1055.0	1062.0
135°	770.9	837.2	896.3	941.8	976.1	994.7	1000.9
137.5°	734.4	789.5	839.7	880.5	911.6	928.8	935.6
140°	712.8	760.5	804.1	842.4	869.3	884.8	890.0
142.5°	694.6	735.7	773.4	805.9	828.7	843.4	847.7
145°	671.4	703.6	731.5	756.3	774.0	785.4	789.5
147.5°	652.1	676.8	697.9	717.6	731.7	738.3	740.2
150°	641.4	661.0	679.7	695.3	707.7	711.9	712.8
152.5°	630.6	648.6	663.2	676.2	686.1	690.3	691.3
155°	614.4	628.9	640.3	650.7	657.9	661.0	662.1
157.5°	599.1	610.3	619.2	627.2	633.3	636.1	636.0
160°	587.5	597.8	605.1	612.3	617.5	619.6	618.6
162.5°	577.6	586.2	592.6	598.2	602.6	603.1	602.8
165°	562.6	568.8	574.0	578.2	580.2	580.2	580.2
167.5°	548.1	552.9	556.6	558.7	560.5	559.7	559.5
170°	539.8	543.0	545.0	547.1	548.1	548.1	547.1
172.5°	532.4	534.7	535.9	536.3	538.1	536.5	535.5
175°	521.2	523.3	523.3	523.3	524.3	522.2	521.2
177.5°	516.4	516.4	516.4	515.6	516.4	513.9	513.9
180°	513.9	513.9	513.9	513.9	513.9	513.9	513.9

(END OF REPORT)