

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: P333582-940

Luminaire Tested: **S125RDIP-S1090D365U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333582-940  
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-S1090D365U940-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4971.5 lumens  
Efficiency: N/A  
Efficacy: 114.3 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: Semi-Direct

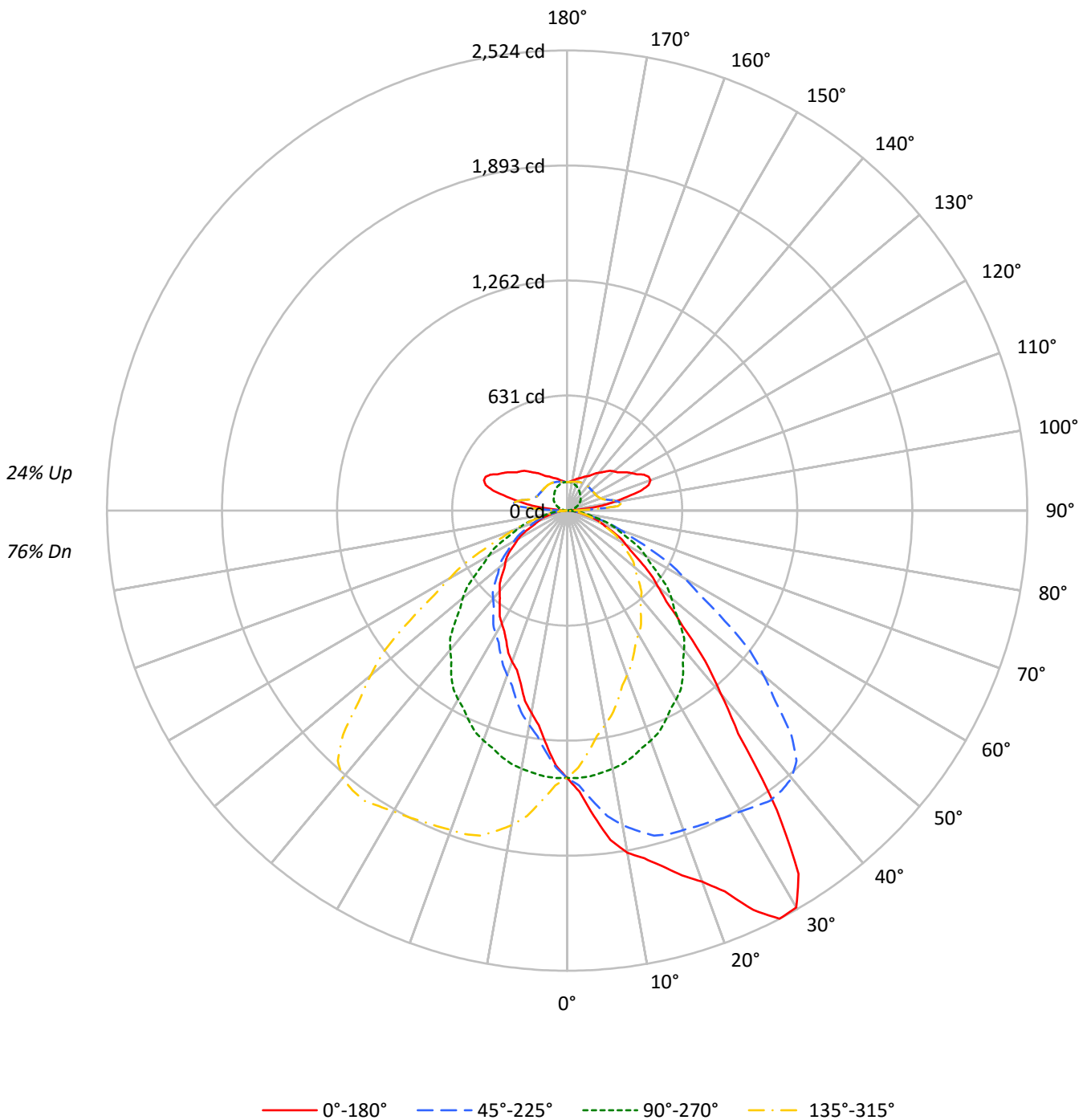
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	113	113	113	113	108	108	108	108	98	98	98	89	89	89	80	80	80	76
1	104	100	96	93	99	96	92	89	87	85	82	79	77	76	72	71	69	66
2	96	88	82	77	91	84	79	74	77	73	69	70	67	64	64	62	59	56
3	88	78	71	65	83	75	68	63	69	63	59	63	58	55	57	54	51	48
4	80	70	62	55	76	67	59	54	61	55	51	56	51	47	52	48	44	42
5	74	62	54	48	70	60	52	47	55	49	44	51	46	42	47	42	39	36
6	69	56	48	42	65	54	46	41	50	44	39	46	41	37	43	38	35	32
7	64	51	43	37	60	49	42	36	45	39	34	42	37	33	39	34	31	29
8	59	47	39	33	56	45	37	32	42	35	31	39	33	29	36	31	28	26
9	55	43	35	30	53	41	34	29	38	32	28	36	30	26	33	28	25	23
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	21

**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	2.8
10°-20°	412.0	8.3
20°-30°	653.3	13.1
30°-40°	787.8	15.8
40°-50°	703.5	14.2
50°-60°	539.5	10.9
60°-70°	350.6	7.1
70°-80°	170.5	3.4
80°-90°	41.6	0.8
90°-100°	113.3	2.3
100°-110°	243.6	4.9
110°-120°	228.6	4.6
120°-130°	185.2	3.7
130°-140°	148.7	3.0
140°-150°	112.2	2.3
150°-160°	79.0	1.6
160°-170°	46.5	0.9
170°-180°	15.1	0.3
0°-30°	1205.9	24.3
0°-40°	1993.7	40.1
0°-60°	3236.7	65.1
0°-90°	3799.3	76.4
90°-120°	585.4	11.8
90°-150°	1031.5	20.7
90°-180°	1172.0	23.6
0°-180°	4971.5	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°	7	0	7	0	7	6
95°	74	10	74	10	74	105
105°	418	36	418	36	418	415
115°	465	64	465	64	465	454
125°	366	88	366	88	366	332
135°	304	103	304	103	304	236
145°	240	120	240	120	240	153
155°	201	137	201	137	201	94
165°	176	150	176	150	176	50
175°	158	156	158	156	158	15
180°	156	156	156	156	156	



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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°	12.0	11.6	11.1	11.1	11.5	12.3	11.8	11.2	11.1	11.1	11.5
90°	7.2	7.2	7.0	7.0	7.0	6.3	6.0	5.7	5.4	5.1	4.4
92.5°	20.1	20.6	21.0	21.8	25.9	30.5	40.5	55.8	82.2	101.6	103.3
95°	74.1	79.1	81.6	91.0	113.4	139.9	178.7	226.6	273.2	279.2	227.8
97.5°	179.0	183.1	192.2	209.8	229.3	266.1	303.9	337.4	345.7	298.2	203.5
100°	245.8	250.8	262.5	285.2	306.9	339.7	372.2	387.6	363.4	284.5	181.6
102.5°	320.5	324.2	336.9	353.0	376.3	398.5	414.0	404.5	352.8	260.6	164.9
105°	417.6	421.3	427.7	438.0	448.2	451.6	437.7	394.6	319.0	228.5	148.7
107.5°	469.1	471.6	473.8	473.8	468.7	452.2	416.6	359.0	284.4	206.3	142.0
110°	486.2	486.2	484.0	478.0	463.9	437.1	392.7	332.8	264.7	196.0	139.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	484.3	482.0	476.5	466.2	445.5	413.9	369.0	312.1	250.1	189.9	139.9
115°	465.1	461.0	452.2	437.1	412.5	378.2	335.0	286.1	234.2	183.4	140.9
117.5°	431.7	429.2	420.4	404.7	380.2	348.7	311.5	269.4	224.6	180.2	142.9
120°	410.0	407.5	399.0	383.9	360.5	332.8	298.1	260.3	219.4	178.7	145.0
122.5°	390.8	388.6	380.0	366.2	345.4	319.4	288.6	253.5	214.8	177.5	146.7
125°	366.5	363.4	356.4	343.5	325.8	303.2	275.7	243.6	208.7	175.8	149.7
127.5°	345.7	344.3	337.8	326.4	310.3	289.1	263.5	233.5	203.0	175.1	153.0
130°	334.4	332.5	326.2	315.8	300.1	279.6	254.9	227.2	199.2	174.6	155.1
132.5°	323.0	320.8	315.0	304.7	288.9	269.2	246.9	220.9	196.2	174.6	157.3
135°	304.4	302.6	296.9	286.5	272.6	254.7	234.4	212.8	192.5	174.6	160.4
137.5°	284.5	282.5	277.2	267.8	255.4	240.1	223.4	205.8	189.3	175.0	163.3
140°	270.7	269.1	264.4	256.2	244.5	231.3	216.8	202.0	187.8	175.2	164.5
142.5°	257.9	256.5	252.1	245.1	235.2	223.7	211.2	198.8	186.5	175.5	165.2
145°	240.1	238.9	235.4	230.1	222.5	214.0	204.2	194.5	184.7	175.2	166.0
147.5°	225.2	224.5	222.6	218.3	212.3	205.9	198.3	190.4	182.7	174.4	166.4
150°	216.8	216.5	215.3	211.4	206.7	201.1	195.1	188.2	181.2	173.6	166.4
152.5°	210.3	209.9	208.7	205.6	201.7	197.2	191.8	185.7	179.4	172.6	166.1
155°	201.3	201.1	200.1	197.9	194.7	191.3	186.9	181.8	176.5	170.9	165.4
157.5°	193.4	193.5	192.6	190.8	188.3	185.7	182.2	178.1	173.7	168.9	164.6
160°	188.2	188.4	187.8	186.3	184.0	181.8	178.7	175.6	171.5	167.6	163.9
162.5°	183.3	183.4	183.2	182.0	180.3	178.3	175.7	172.7	169.4	166.1	163.1
165°	176.5	176.5	176.5	175.8	174.6	173.0	171.1	168.9	166.4	163.9	162.0
167.5°	170.1	170.2	170.5	170.0	169.3	168.2	166.7	165.2	163.5	161.7	160.2
170°	166.4	166.7	166.7	166.4	165.8	165.1	164.2	163.3	161.7	160.4	159.4
172.5°	162.8	163.2	163.7	163.1	163.0	162.6	161.9	161.0	159.9	158.9	158.5
175°	158.5	158.8	159.4	159.2	159.2	159.2	158.5	158.5	157.6	157.3	157.3
177.5°	156.3	156.3	157.0	156.9	157.0	157.0	157.0	156.9	156.6	156.3	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



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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°	11.9	11.8	12.2	12.0	11.4	13.7	15.1	15.4	14.5	13.7	12.9
90°	4.1	3.5	3.1	2.5	1.9	1.2	0.6	0.4	0.6	1.2	1.9
92.5°	71.9	43.1	25.9	16.7	11.2	7.3	4.6	3.8	4.6	7.3	11.2
95°	140.9	71.5	37.8	23.6	16.7	13.2	10.7	10.4	10.7	13.2	16.7
97.5°	112.4	61.6	39.3	29.2	22.9	19.4	17.7	17.3	17.7	19.4	22.9
100°	102.1	61.2	42.9	33.4	27.4	24.0	22.6	22.0	22.6	24.0	27.4
102.5°	97.8	63.4	47.2	38.0	32.5	28.7	27.7	27.4	27.7	28.7	32.5
105°	96.1	68.0	54.2	45.4	40.3	37.2	35.6	35.6	35.6	37.2	40.3
107.5°	99.0	75.0	61.6	53.7	48.4	45.8	44.3	43.7	44.3	45.8	48.4
110°	101.8	80.1	67.1	58.9	54.2	51.4	50.1	49.5	50.1	51.4	54.2





TEST NUMBER: P333582-940

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	105.3	84.8	72.4	64.5	59.7	56.9	55.9	55.3	55.9	56.9	59.7
115°	110.6	92.4	80.7	72.8	68.0	65.3	64.3	63.7	64.3	65.3	68.0
117.5°	116.6	100.0	89.0	81.4	76.0	73.2	72.1	71.2	72.1	73.2	76.0
120°	120.7	105.6	94.5	86.7	81.3	78.5	77.2	76.2	77.2	78.5	81.3
122.5°	125.2	110.8	99.9	91.9	86.1	83.3	82.2	81.6	82.2	83.3	86.1
125°	131.4	117.9	107.5	99.2	93.3	90.4	88.9	88.3	88.9	90.4	93.3
127.5°	137.1	124.6	114.6	106.4	100.0	96.4	94.4	93.5	94.4	96.4	100.0
130°	140.9	128.9	119.1	110.9	104.3	100.2	97.7	96.8	97.7	100.2	104.3
132.5°	144.2	133.0	123.1	114.9	108.1	103.5	100.5	99.2	100.5	103.5	108.1
135°	148.7	138.3	128.6	120.1	113.4	108.4	104.6	103.3	104.6	108.4	113.4
137.5°	152.1	142.2	133.3	124.6	118.1	113.0	109.5	108.5	109.5	113.0	118.1
140°	154.4	145.0	135.8	127.3	121.4	116.3	112.5	111.6	112.5	116.3	121.4
142.5°	155.7	146.7	138.1	130.1	124.4	119.3	115.7	115.1	115.7	119.3	124.4
145°	157.6	149.7	141.5	134.3	128.6	124.1	121.0	120.4	121.0	124.1	128.6
147.5°	158.7	151.6	144.4	138.0	133.1	129.0	126.3	125.9	126.3	129.0	133.1
150°	159.4	152.8	145.9	140.5	136.2	132.1	129.8	129.2	129.8	132.1	136.2
152.5°	160.0	154.1	147.7	142.9	138.7	135.1	133.1	132.8	133.1	135.1	138.7
155°	160.4	155.3	150.0	145.6	142.4	139.3	137.4	137.4	137.4	139.3	142.4
157.5°	160.7	156.4	151.9	148.5	145.7	143.0	141.5	141.6	141.5	143.0	145.7
160°	160.7	156.9	152.8	150.0	147.5	145.3	144.0	144.4	144.0	145.3	147.5
162.5°	160.5	157.5	153.8	151.5	149.5	147.6	146.3	146.6	146.3	147.6	149.5
165°	160.1	157.6	155.1	153.2	151.9	150.3	149.4	150.0	149.4	150.3	151.9
167.5°	159.3	157.6	155.5	154.3	153.4	152.6	151.9	152.3	151.9	152.6	153.4
170°	158.8	157.6	156.0	155.1	154.4	153.8	153.5	153.8	153.5	153.8	154.4
172.5°	158.4	157.3	156.0	155.5	155.2	154.5	154.3	154.8	154.3	154.5	155.2
175°	157.6	156.9	156.0	156.0	156.0	155.7	155.3	156.0	155.3	155.7	156.0
177.5°	156.9	156.6	156.0	156.0	156.3	156.0	156.0	156.6	156.0	156.0	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333582-940

CATALOG NUMBER: S125RDIP-S1090D365U940-4F0-1E-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°	12.6	12.7	12.2	13.4	11.9	12.6	12.7	12.2	12.3	12.3	11.9
90°	2.5	3.1	3.5	4.1	4.4	5.1	5.4	5.7	6.0	6.3	7.0
92.5°	16.7	25.9	43.1	71.9	103.3	101.6	82.2	55.8	40.5	30.5	25.9
95°	23.6	37.8	71.5	140.9	227.8	279.2	273.2	226.6	178.7	139.9	113.4
97.5°	29.2	39.3	61.6	112.4	203.5	298.2	345.7	337.4	303.9	266.1	229.3
100°	33.4	42.9	61.2	102.1	181.6	284.5	363.4	387.6	372.2	339.7	306.9
102.5°	38.0	47.2	63.4	97.8	164.9	260.6	352.8	404.5	414.0	398.5	376.3
105°	45.4	54.2	68.0	96.1	148.7	228.5	319.0	394.6	437.7	451.6	448.2
107.5°	53.7	61.6	75.0	99.0	142.0	206.3	284.4	359.0	416.6	452.2	468.7
110°	58.9	67.1	80.1	101.8	139.9	196.0	264.7	332.8	392.7	437.1	463.9



TEST NUMBER: P333582-940

CATALOG NUMBER: S125RDIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	64.5	72.4	84.8	105.3	139.9	189.9	250.1	312.1	369.0	413.9	445.5
115°	72.8	80.7	92.4	110.6	140.9	183.4	234.2	286.1	335.0	378.2	412.5
117.5°	81.4	89.0	100.0	116.6	142.9	180.2	224.6	269.4	311.5	348.7	380.2
120°	86.7	94.5	105.6	120.7	145.0	178.7	219.4	260.3	298.1	332.8	360.5
122.5°	91.9	99.9	110.8	125.2	146.7	177.5	214.8	253.5	288.6	319.4	345.4
125°	99.2	107.5	117.9	131.4	149.7	175.8	208.7	243.6	275.7	303.2	325.8
127.5°	106.4	114.6	124.6	137.1	153.0	175.1	203.0	233.5	263.5	289.1	310.3
130°	110.9	119.1	128.9	140.9	155.1	174.6	199.2	227.2	254.9	279.6	300.1
132.5°	114.9	123.1	133.0	144.2	157.3	174.6	196.2	220.9	246.9	269.2	288.9
135°	120.1	128.6	138.3	148.7	160.4	174.6	192.5	212.8	234.4	254.7	272.6
137.5°	124.6	133.3	142.2	152.1	163.3	175.0	189.3	205.8	223.4	240.1	255.4
140°	127.3	135.8	145.0	154.4	164.5	175.2	187.8	202.0	216.8	231.3	244.5
142.5°	130.1	138.1	146.7	155.7	165.2	175.5	186.5	198.8	211.2	223.7	235.2
145°	134.3	141.5	149.7	157.6	166.0	175.2	184.7	194.5	204.2	214.0	222.5
147.5°	138.0	144.4	151.6	158.7	166.4	174.4	182.7	190.4	198.3	205.9	212.3
150°	140.5	145.9	152.8	159.4	166.4	173.6	181.2	188.2	195.1	201.1	206.7
152.5°	142.9	147.7	154.1	160.0	166.1	172.6	179.4	185.7	191.8	197.2	201.7
155°	145.6	150.0	155.3	160.4	165.4	170.9	176.5	181.8	186.9	191.3	194.7
157.5°	148.5	151.9	156.4	160.7	164.6	168.9	173.7	178.1	182.2	185.7	188.3
160°	150.0	152.8	156.9	160.7	163.9	167.6	171.5	175.6	178.7	181.8	184.0
162.5°	151.5	153.8	157.5	160.5	163.1	166.1	169.4	172.7	175.7	178.3	180.3
165°	153.2	155.1	157.6	160.1	162.0	163.9	166.4	168.9	171.1	173.0	174.6
167.5°	154.3	155.5	157.6	159.3	160.2	161.7	163.5	165.2	166.7	168.2	169.3
170°	155.1	156.0	157.6	158.8	159.4	160.4	161.7	163.3	164.2	165.1	165.8
172.5°	155.5	156.0	157.3	158.4	158.5	158.9	159.9	161.0	161.9	162.6	163.0
175°	156.0	156.0	156.9	157.6	157.3	157.3	157.6	158.5	158.5	159.2	159.2
177.5°	156.0	156.0	156.6	156.9	156.3	156.3	156.6	156.9	157.0	157.0	157.0
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333582-940

CATALOG NUMBER: S125RDIP-S1090D365U940-4F0-1E-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°	12.5	11.9	12.0	12.0	12.0	11.9	12.5	11.9	12.3	12.3	12.2
90°	7.0	7.0	7.2	7.2	7.2	7.0	7.0	7.0	6.3	6.0	5.7
92.5°	21.8	21.0	20.6	20.1	20.6	21.0	21.8	25.9	30.5	40.5	55.8
95°	91.0	81.6	79.1	74.1	79.1	81.6	91.0	113.4	139.9	178.7	226.6
97.5°	209.8	192.2	183.1	179.0	183.1	192.2	209.8	229.3	266.1	303.9	337.4
100°	285.2	262.5	250.8	245.8	250.8	262.5	285.2	306.9	339.7	372.2	387.6
102.5°	353.0	336.9	324.2	320.5	324.2	336.9	353.0	376.3	398.5	414.0	404.5
105°	438.0	427.7	421.3	417.6	421.3	427.7	438.0	448.2	451.6	437.7	394.6
107.5°	473.8	473.8	471.6	469.1	471.6	473.8	473.8	468.7	452.2	416.6	359.0
110°	478.0	484.0	486.2	486.2	486.2	484.0	478.0	463.9	437.1	392.7	332.8



TEST NUMBER: P333582-940

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	466.2	476.5	482.0	484.3	482.0	476.5	466.2	445.5	413.9	369.0	312.1
115°	437.1	452.2	461.0	465.1	461.0	452.2	437.1	412.5	378.2	335.0	286.1
117.5°	404.7	420.4	429.2	431.7	429.2	420.4	404.7	380.2	348.7	311.5	269.4
120°	383.9	399.0	407.5	410.0	407.5	399.0	383.9	360.5	332.8	298.1	260.3
122.5°	366.2	380.0	388.6	390.8	388.6	380.0	366.2	345.4	319.4	288.6	253.5
125°	343.5	356.4	363.4	366.5	363.4	356.4	343.5	325.8	303.2	275.7	243.6
127.5°	326.4	337.8	344.3	345.7	344.3	337.8	326.4	310.3	289.1	263.5	233.5
130°	315.8	326.2	332.5	334.4	332.5	326.2	315.8	300.1	279.6	254.9	227.2
132.5°	304.7	315.0	320.8	323.0	320.8	315.0	304.7	288.9	269.2	246.9	220.9
135°	286.5	296.9	302.6	304.4	302.6	296.9	286.5	272.6	254.7	234.4	212.8
137.5°	267.8	277.2	282.5	284.5	282.5	277.2	267.8	255.4	240.1	223.4	205.8
140°	256.2	264.4	269.1	270.7	269.1	264.4	256.2	244.5	231.3	216.8	202.0
142.5°	245.1	252.1	256.5	257.9	256.5	252.1	245.1	235.2	223.7	211.2	198.8
145°	230.1	235.4	238.9	240.1	238.9	235.4	230.1	222.5	214.0	204.2	194.5
147.5°	218.3	222.6	224.5	225.2	224.5	222.6	218.3	212.3	205.9	198.3	190.4
150°	211.4	215.3	216.5	216.8	216.5	215.3	211.4	206.7	201.1	195.1	188.2
152.5°	205.6	208.7	209.9	210.3	209.9	208.7	205.6	201.7	197.2	191.8	185.7
155°	197.9	200.1	201.1	201.3	201.1	200.1	197.9	194.7	191.3	186.9	181.8
157.5°	190.8	192.6	193.5	193.4	193.5	192.6	190.8	188.3	185.7	182.2	178.1
160°	186.3	187.8	188.4	188.2	188.4	187.8	186.3	184.0	181.8	178.7	175.6
162.5°	182.0	183.2	183.4	183.3	183.4	183.2	182.0	180.3	178.3	175.7	172.7
165°	175.8	176.5	176.5	176.5	176.5	176.5	175.8	174.6	173.0	171.1	168.9
167.5°	170.0	170.5	170.2	170.1	170.2	170.5	170.0	169.3	168.2	166.7	165.2
170°	166.4	166.7	166.7	166.4	166.7	166.7	166.4	165.8	165.1	164.2	163.3
172.5°	163.1	163.7	163.2	162.8	163.2	163.7	163.1	163.0	162.6	161.9	161.0
175°	159.2	159.4	158.8	158.5	158.8	159.4	159.2	159.2	159.2	158.5	158.5
177.5°	156.9	157.0	156.3	156.3	156.3	157.0	156.9	157.0	157.0	157.0	156.9
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333582-940

CATALOG NUMBER: S125RDIP-S1090D365U940-4F0-1E-UDD-A4

**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°	12.7	12.6	11.9	13.4	12.2	12.7	12.6	12.9	13.7	14.5	15.4
90°	5.4	5.1	4.4	4.1	3.5	3.1	2.5	1.9	1.2	0.6	0.4
92.5°	82.2	101.6	103.3	71.9	43.1	25.9	16.7	11.2	7.3	4.6	3.8
95°	273.2	279.2	227.8	140.9	71.5	37.8	23.6	16.7	13.2	10.7	10.4
97.5°	345.7	298.2	203.5	112.4	61.6	39.3	29.2	22.9	19.4	17.7	17.3
100°	363.4	284.5	181.6	102.1	61.2	42.9	33.4	27.4	24.0	22.6	22.0
102.5°	352.8	260.6	164.9	97.8	63.4	47.2	38.0	32.5	28.7	27.7	27.4
105°	319.0	228.5	148.7	96.1	68.0	54.2	45.4	40.3	37.2	35.6	35.6
107.5°	284.4	206.3	142.0	99.0	75.0	61.6	53.7	48.4	45.8	44.3	43.7
110°	264.7	196.0	139.9	101.8	80.1	67.1	58.9	54.2	51.4	50.1	49.5



TEST NUMBER: P333582-940

CATALOG NUMBER: S125RDIP-S1090D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	250.1	189.9	139.9	105.3	84.8	72.4	64.5	59.7	56.9	55.9	55.3
115°	234.2	183.4	140.9	110.6	92.4	80.7	72.8	68.0	65.3	64.3	63.7
117.5°	224.6	180.2	142.9	116.6	100.0	89.0	81.4	76.0	73.2	72.1	71.2
120°	219.4	178.7	145.0	120.7	105.6	94.5	86.7	81.3	78.5	77.2	76.2
122.5°	214.8	177.5	146.7	125.2	110.8	99.9	91.9	86.1	83.3	82.2	81.6
125°	208.7	175.8	149.7	131.4	117.9	107.5	99.2	93.3	90.4	88.9	88.3
127.5°	203.0	175.1	153.0	137.1	124.6	114.6	106.4	100.0	96.4	94.4	93.5
130°	199.2	174.6	155.1	140.9	128.9	119.1	110.9	104.3	100.2	97.7	96.8
132.5°	196.2	174.6	157.3	144.2	133.0	123.1	114.9	108.1	103.5	100.5	99.2
135°	192.5	174.6	160.4	148.7	138.3	128.6	120.1	113.4	108.4	104.6	103.3
137.5°	189.3	175.0	163.3	152.1	142.2	133.3	124.6	118.1	113.0	109.5	108.5
140°	187.8	175.2	164.5	154.4	145.0	135.8	127.3	121.4	116.3	112.5	111.6
142.5°	186.5	175.5	165.2	155.7	146.7	138.1	130.1	124.4	119.3	115.7	115.1
145°	184.7	175.2	166.0	157.6	149.7	141.5	134.3	128.6	124.1	121.0	120.4
147.5°	182.7	174.4	166.4	158.7	151.6	144.4	138.0	133.1	129.0	126.3	125.9
150°	181.2	173.6	166.4	159.4	152.8	145.9	140.5	136.2	132.1	129.8	129.2
152.5°	179.4	172.6	166.1	160.0	154.1	147.7	142.9	138.7	135.1	133.1	132.8
155°	176.5	170.9	165.4	160.4	155.3	150.0	145.6	142.4	139.3	137.4	137.4
157.5°	173.7	168.9	164.6	160.7	156.4	151.9	148.5	145.7	143.0	141.5	141.6
160°	171.5	167.6	163.9	160.7	156.9	152.8	150.0	147.5	145.3	144.0	144.4
162.5°	169.4	166.1	163.1	160.5	157.5	153.8	151.5	149.5	147.6	146.3	146.6
165°	166.4	163.9	162.0	160.1	157.6	155.1	153.2	151.9	150.3	149.4	150.0
167.5°	163.5	161.7	160.2	159.3	157.6	155.5	154.3	153.4	152.6	151.9	152.3
170°	161.7	160.4	159.4	158.8	157.6	156.0	155.1	154.4	153.8	153.5	153.8
172.5°	159.9	158.9	158.5	158.4	157.3	156.0	155.5	155.2	154.5	154.3	154.8
175°	157.6	157.3	157.3	157.6	156.9	156.0	156.0	156.0	155.7	155.3	156.0
177.5°	156.6	156.3	156.3	156.9	156.6	156.0	156.0	156.3	156.0	156.0	156.6
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



TEST NUMBER: P333582-940

CATALOG NUMBER: S125RDIP-S1090D365U940-4F0-1E-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°	15.1	13.7	11.4	12.0	12.2	11.8	11.9	11.5	11.1	11.1	11.2
90°	0.6	1.2	1.9	2.5	3.1	3.5	4.1	4.4	5.1	5.4	5.7
92.5°	4.6	7.3	11.2	16.7	25.9	43.1	71.9	103.3	101.6	82.2	55.8
95°	10.7	13.2	16.7	23.6	37.8	71.5	140.9	227.8	279.2	273.2	226.6
97.5°	17.7	19.4	22.9	29.2	39.3	61.6	112.4	203.5	298.2	345.7	337.4
100°	22.6	24.0	27.4	33.4	42.9	61.2	102.1	181.6	284.5	363.4	387.6
102.5°	27.7	28.7	32.5	38.0	47.2	63.4	97.8	164.9	260.6	352.8	404.5
105°	35.6	37.2	40.3	45.4	54.2	68.0	96.1	148.7	228.5	319.0	394.6
107.5°	44.3	45.8	48.4	53.7	61.6	75.0	99.0	142.0	206.3	284.4	359.0
110°	50.1	51.4	54.2	58.9	67.1	80.1	101.8	139.9	196.0	264.7	332.8





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	55.9	56.9	59.7	64.5	72.4	84.8	105.3	139.9	189.9	250.1	312.1
115°	64.3	65.3	68.0	72.8	80.7	92.4	110.6	140.9	183.4	234.2	286.1
117.5°	72.1	73.2	76.0	81.4	89.0	100.0	116.6	142.9	180.2	224.6	269.4
120°	77.2	78.5	81.3	86.7	94.5	105.6	120.7	145.0	178.7	219.4	260.3
122.5°	82.2	83.3	86.1	91.9	99.9	110.8	125.2	146.7	177.5	214.8	253.5
125°	88.9	90.4	93.3	99.2	107.5	117.9	131.4	149.7	175.8	208.7	243.6
127.5°	94.4	96.4	100.0	106.4	114.6	124.6	137.1	153.0	175.1	203.0	233.5
130°	97.7	100.2	104.3	110.9	119.1	128.9	140.9	155.1	174.6	199.2	227.2
132.5°	100.5	103.5	108.1	114.9	123.1	133.0	144.2	157.3	174.6	196.2	220.9
135°	104.6	108.4	113.4	120.1	128.6	138.3	148.7	160.4	174.6	192.5	212.8
137.5°	109.5	113.0	118.1	124.6	133.3	142.2	152.1	163.3	175.0	189.3	205.8
140°	112.5	116.3	121.4	127.3	135.8	145.0	154.4	164.5	175.2	187.8	202.0
142.5°	115.7	119.3	124.4	130.1	138.1	146.7	155.7	165.2	175.5	186.5	198.8
145°	121.0	124.1	128.6	134.3	141.5	149.7	157.6	166.0	175.2	184.7	194.5
147.5°	126.3	129.0	133.1	138.0	144.4	151.6	158.7	166.4	174.4	182.7	190.4
150°	129.8	132.1	136.2	140.5	145.9	152.8	159.4	166.4	173.6	181.2	188.2
152.5°	133.1	135.1	138.7	142.9	147.7	154.1	160.0	166.1	172.6	179.4	185.7
155°	137.4	139.3	142.4	145.6	150.0	155.3	160.4	165.4	170.9	176.5	181.8
157.5°	141.5	143.0	145.7	148.5	151.9	156.4	160.7	164.6	168.9	173.7	178.1
160°	144.0	145.3	147.5	150.0	152.8	156.9	160.7	163.9	167.6	171.5	175.6
162.5°	146.3	147.6	149.5	151.5	153.8	157.5	160.5	163.1	166.1	169.4	172.7
165°	149.4	150.3	151.9	153.2	155.1	157.6	160.1	162.0	163.9	166.4	168.9
167.5°	151.9	152.6	153.4	154.3	155.5	157.6	159.3	160.2	161.7	163.5	165.2
170°	153.5	153.8	154.4	155.1	156.0	157.6	158.8	159.4	160.4	161.7	163.3
172.5°	154.3	154.5	155.2	155.5	156.0	157.3	158.4	158.5	158.9	159.9	161.0
175°	155.3	155.7	156.0	156.0	156.0	156.9	157.6	157.3	157.3	157.6	158.5
177.5°	156.0	156.0	156.3	156.0	156.0	156.6	156.9	156.3	156.3	156.6	156.9
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3	156.3



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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°	11.8	12.3	11.5	11.1	11.1	11.6	12.0
90°	6.0	6.3	7.0	7.0	7.0	7.2	7.2
92.5°	40.5	30.5	25.9	21.8	21.0	20.6	20.1
95°	178.7	139.9	113.4	91.0	81.6	79.1	74.1
97.5°	303.9	266.1	229.3	209.8	192.2	183.1	179.0
100°	372.2	339.7	306.9	285.2	262.5	250.8	245.8
102.5°	414.0	398.5	376.3	353.0	336.9	324.2	320.5
105°	437.7	451.6	448.2	438.0	427.7	421.3	417.6
107.5°	416.6	452.2	468.7	473.8	473.8	471.6	469.1
110°	392.7	437.1	463.9	478.0	484.0	486.2	486.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	369.0	413.9	445.5	466.2	476.5	482.0	484.3
115°	335.0	378.2	412.5	437.1	452.2	461.0	465.1
117.5°	311.5	348.7	380.2	404.7	420.4	429.2	431.7
120°	298.1	332.8	360.5	383.9	399.0	407.5	410.0
122.5°	288.6	319.4	345.4	366.2	380.0	388.6	390.8
125°	275.7	303.2	325.8	343.5	356.4	363.4	366.5
127.5°	263.5	289.1	310.3	326.4	337.8	344.3	345.7
130°	254.9	279.6	300.1	315.8	326.2	332.5	334.4
132.5°	246.9	269.2	288.9	304.7	315.0	320.8	323.0
135°	234.4	254.7	272.6	286.5	296.9	302.6	304.4
137.5°	223.4	240.1	255.4	267.8	277.2	282.5	284.5
140°	216.8	231.3	244.5	256.2	264.4	269.1	270.7
142.5°	211.2	223.7	235.2	245.1	252.1	256.5	257.9
145°	204.2	214.0	222.5	230.1	235.4	238.9	240.1
147.5°	198.3	205.9	212.3	218.3	222.6	224.5	225.2
150°	195.1	201.1	206.7	211.4	215.3	216.5	216.8
152.5°	191.8	197.2	201.7	205.6	208.7	209.9	210.3
155°	186.9	191.3	194.7	197.9	200.1	201.1	201.3
157.5°	182.2	185.7	188.3	190.8	192.6	193.5	193.4
160°	178.7	181.8	184.0	186.3	187.8	188.4	188.2
162.5°	175.7	178.3	180.3	182.0	183.2	183.4	183.3
165°	171.1	173.0	174.6	175.8	176.5	176.5	176.5
167.5°	166.7	168.2	169.3	170.0	170.5	170.2	170.1
170°	164.2	165.1	165.8	166.4	166.7	166.7	166.4
172.5°	161.9	162.6	163.0	163.1	163.7	163.2	162.8
175°	158.5	159.2	159.2	159.2	159.4	158.8	158.5
177.5°	157.0	157.0	157.0	156.9	157.0	156.3	156.3
180°	156.3	156.3	156.3	156.3	156.3	156.3	156.3

(END OF REPORT)