

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: P333587-940

Luminaire Tested: **S125RDIP-S1090D590U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333587-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1090D590U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5623.9 lumens
Efficiency: N/A
Efficacy: 115.2 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

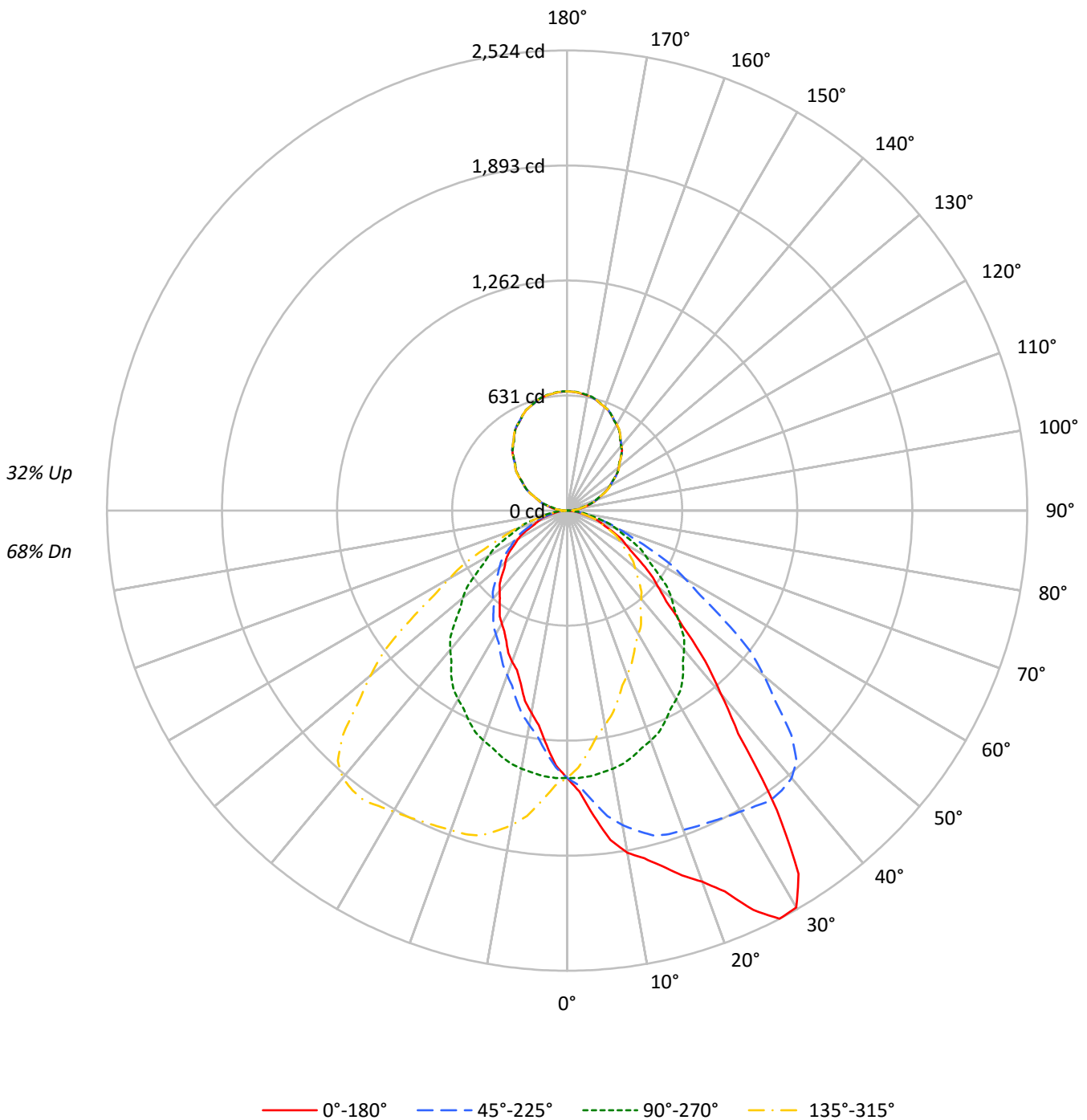
Input Watts (W): 48.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68
1	102	98	94	91	96	93	89	86	83	80	78	73	72	70	65	63	62	58
2	94	86	80	75	88	82	76	72	73	69	65	65	62	59	58	55	53	50
3	86	76	69	63	81	72	66	61	65	60	56	58	54	51	52	48	46	43
4	79	68	60	54	74	64	57	52	58	52	48	52	47	44	46	43	40	37
5	72	61	53	47	68	58	50	45	52	46	42	47	42	38	42	38	35	32
6	67	55	47	41	63	52	45	39	47	41	36	43	38	34	38	34	31	28
7	62	50	42	36	58	47	40	35	43	37	32	39	34	30	35	31	28	25
8	58	45	37	32	54	43	36	31	39	33	29	36	31	27	32	28	25	23
9	54	41	34	29	51	40	33	28	36	30	26	33	28	24	30	26	22	20
10	50	38	31	26	48	36	30	25	33	28	24	30	25	22	28	23	20	19

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	2.5
10°-20°	412.0	7.3
20°-30°	653.3	11.6
30°-40°	787.8	14.0
40°-50°	703.5	12.5
50°-60°	539.5	9.6
60°-70°	350.6	6.2
70°-80°	170.5	3.0
80°-90°	42.1	0.7
90°-100°	43.8	0.8
100°-110°	129.3	2.3
110°-120°	219.0	3.9
120°-130°	288.2	5.1
130°-140°	322.9	5.7
140°-150°	316.5	5.6
150°-160°	265.8	4.7
160°-170°	176.7	3.1
170°-180°	61.8	1.1
0°-30°	1205.9	21.4
0°-40°	1993.7	35.4
0°-60°	3236.7	57.6
0°-90°	3799.9	67.6
90°-120°	392.0	7.0
90°-150°	1319.7	23.5
90°-180°	1824.0	32.4
0°-180°	5623.9	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°	12	0	12	0	12	8
95°	44	33	44	33	44	45
105°	126	116	126	116	126	134
115°	221	219	221	219	221	219
125°	322	320	322	320	322	287
135°	418	416	418	416	418	322
145°	506	504	506	504	506	316
155°	577	577	577	577	577	265
165°	626	627	626	627	626	176
175°	650	652	650	652	650	62
180°	654	654	654	654	654	



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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°	13.0	12.5	11.9	11.9	12.3	13.2	12.6	11.9	11.9	11.8	12.0
90°	12.2	11.9	11.5	11.2	10.9	10.4	9.8	9.3	8.7	8.1	7.3
92.5°	24.0	23.7	23.5	23.3	23.0	22.6	21.8	21.0	20.2	19.5	18.5
95°	43.8	43.5	43.3	43.1	42.8	42.4	41.6	40.8	39.9	39.1	38.1
97.5°	66.3	66.2	66.1	65.9	65.8	65.4	64.6	63.8	63.1	62.3	60.8
100°	83.5	83.2	83.0	82.8	82.5	81.9	80.9	79.9	78.8	77.8	76.3
102.5°	100.5	100.2	99.9	99.6	99.2	98.5	97.5	96.3	95.2	94.1	93.4
105°	126.2	125.8	125.5	125.1	124.8	124.3	123.6	123.0	122.3	121.5	120.9
107.5°	152.4	152.4	152.5	152.5	152.5	152.3	152.0	151.7	151.3	151.0	150.4
110°	171.9	172.0	172.2	172.3	172.4	172.3	171.9	171.6	171.3	170.9	170.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	191.1	191.3	191.5	191.7	191.9	191.9	191.7	191.6	191.5	191.3	190.8
115°	221.3	221.4	221.5	221.6	221.8	221.9	221.9	222.0	222.2	222.3	222.0
117.5°	250.7	251.3	251.7	252.2	252.6	252.8	252.7	252.6	252.5	252.4	252.2
120°	271.2	271.6	272.1	272.5	273.0	273.1	273.1	273.1	273.1	273.1	273.0
122.5°	291.5	291.9	292.2	292.6	292.9	293.2	293.3	293.4	293.5	293.6	293.2
125°	322.0	322.1	322.3	322.4	322.4	322.6	322.9	323.1	323.3	323.5	323.4
127.5°	351.3	351.5	351.8	352.0	352.2	352.4	352.5	352.6	352.8	352.8	352.7
130°	370.9	371.0	371.3	371.5	371.8	371.9	372.0	372.1	372.3	372.4	372.1
132.5°	389.1	389.5	389.8	390.1	390.4	390.7	390.7	390.8	391.0	391.1	391.1
135°	417.7	418.1	418.6	419.0	419.5	419.6	419.6	419.6	419.6	419.6	419.5
137.5°	445.5	446.1	446.7	447.2	447.8	448.0	447.8	447.7	447.5	447.5	447.2
140°	463.4	464.0	464.6	465.1	465.7	465.8	465.7	465.4	465.2	464.9	464.6
142.5°	480.5	481.1	481.6	482.2	482.8	483.0	482.9	482.7	482.6	482.4	482.1
145°	506.1	506.5	506.8	507.2	507.5	507.7	507.7	507.7	507.7	507.7	507.4
147.5°	528.1	528.8	529.6	530.3	531.1	531.4	531.1	530.8	530.6	530.3	530.0
150°	544.3	544.6	544.7	545.0	545.2	545.3	545.3	545.3	545.3	545.3	544.8
152.5°	557.8	558.1	558.6	558.9	559.4	559.5	559.2	558.9	558.7	558.4	558.1
155°	576.8	577.4	578.0	578.5	579.2	579.2	578.7	578.3	577.8	577.4	577.3
157.5°	592.8	593.6	594.3	595.0	595.8	595.9	595.5	595.0	594.6	594.1	594.1
160°	603.9	604.4	604.9	605.6	606.1	606.1	605.6	605.2	604.8	604.3	604.2
162.5°	613.1	613.9	614.5	615.2	615.8	615.9	615.3	614.7	614.2	613.7	613.7
165°	625.7	626.3	627.1	627.8	628.4	628.6	628.0	627.6	627.1	626.7	626.6
167.5°	635.7	636.3	637.0	637.8	638.5	638.5	637.8	637.1	636.4	635.8	635.8
170°	641.0	641.8	642.6	643.4	644.1	644.2	643.5	642.8	642.1	641.5	641.5
172.5°	645.4	646.1	646.8	647.6	648.3	648.3	647.6	646.9	646.2	645.5	645.5
175°	649.6	650.4	651.2	652.0	652.7	652.8	652.1	651.5	650.8	650.1	650.1
177.5°	652.0	652.6	653.4	654.0	654.6	654.6	654.1	653.5	653.0	652.5	652.6
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



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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°	12.4	12.2	12.6	12.4	11.7	13.9	15.2	15.5	14.7	13.9	13.2
90°	6.6	5.8	5.0	4.1	3.2	2.3	1.4	0.5	1.4	2.3	3.2
92.5°	17.6	16.6	15.6	14.8	14.2	13.6	12.9	12.3	12.9	13.6	14.2
95°	36.9	35.8	34.7	34.0	33.7	33.5	33.3	33.1	33.3	33.5	33.7
97.5°	59.2	57.7	56.1	55.3	55.2	55.1	55.0	54.9	55.0	55.1	55.2
100°	74.9	73.4	72.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
102.5°	92.6	91.8	91.1	90.5	90.1	89.6	89.2	88.7	89.2	89.6	90.1
105°	120.2	119.6	118.9	118.2	117.7	117.1	116.5	116.0	116.5	117.1	117.7
107.5°	149.9	149.5	148.9	148.4	147.8	147.2	146.7	146.1	146.7	147.2	147.8
110°	170.2	169.9	169.6	169.2	168.5	168.0	167.4	166.8	167.4	168.0	168.5



TEST NUMBER: P333587-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	190.4	190.0	189.6	189.2	188.9	188.6	188.3	188.0	188.3	188.6	188.9
115°	221.9	221.6	221.4	221.1	220.6	220.2	219.7	219.3	219.7	220.2	220.6
117.5°	252.0	251.8	251.6	251.4	251.2	251.0	250.7	250.6	250.7	251.0	251.2
120°	273.0	272.9	272.7	272.4	271.8	271.3	270.7	270.1	270.7	271.3	271.8
122.5°	292.9	292.7	292.3	292.1	291.9	291.7	291.5	291.3	291.5	291.7	291.9
125°	323.3	323.2	323.1	322.7	322.0	321.3	320.7	319.9	320.7	321.3	322.0
127.5°	352.6	352.4	352.3	352.0	351.6	351.2	350.9	350.5	350.9	351.2	351.6
130°	371.9	371.7	371.5	371.0	370.5	370.0	369.3	368.8	369.3	370.0	370.5
132.5°	391.2	391.2	391.3	390.8	389.9	389.0	388.1	387.1	388.1	389.0	389.9
135°	419.5	419.4	419.2	418.8	418.1	417.5	416.8	416.1	416.8	417.5	418.1
137.5°	446.9	446.7	446.5	446.0	445.3	444.7	444.1	443.4	444.1	444.7	445.3
140°	464.3	464.0	463.6	463.2	462.5	462.0	461.5	460.8	461.5	462.0	462.5
142.5°	481.6	481.2	480.7	480.3	479.8	479.3	478.8	478.4	478.8	479.3	479.8
145°	507.0	506.7	506.3	506.0	505.5	505.1	504.5	504.1	504.5	505.1	505.5
147.5°	529.8	529.4	529.1	529.0	528.7	528.4	528.2	527.9	528.2	528.4	528.7
150°	544.4	543.9	543.5	543.3	543.5	543.6	543.7	543.8	543.7	543.6	543.5
152.5°	557.9	557.8	557.6	557.4	557.3	557.1	557.0	556.8	557.0	557.1	557.3
155°	577.1	577.0	576.9	576.8	576.8	576.8	576.8	576.8	576.8	576.8	576.8
157.5°	594.0	593.8	593.7	593.8	594.1	594.2	594.5	594.8	594.5	594.2	594.1
160°	604.1	604.0	603.9	604.0	604.3	604.7	605.0	605.4	605.0	604.7	604.3
162.5°	613.7	613.6	613.6	613.7	613.9	614.2	614.5	614.7	614.5	614.2	613.9
165°	626.5	626.3	626.2	626.3	626.5	626.8	627.0	627.2	627.0	626.8	626.5
167.5°	635.8	635.8	635.8	636.0	636.4	636.9	637.4	637.8	637.4	636.9	636.4
170°	641.5	641.5	641.5	641.7	642.1	642.6	643.0	643.5	643.0	642.6	642.1
172.5°	645.5	645.5	645.5	645.8	646.2	646.7	647.1	647.6	647.1	646.7	646.2
175°	650.1	650.1	650.1	650.3	650.8	651.2	651.7	652.1	651.7	651.2	650.8
177.5°	652.6	652.7	652.8	653.0	653.4	653.8	654.2	654.5	654.2	653.8	653.4
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333587-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-A1

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°	12.8	13.0	12.8	13.8	12.6	13.2	13.3	12.9	13.0	13.2	12.8
90°	4.1	5.0	5.8	6.6	7.3	8.1	8.7	9.3	9.8	10.4	10.9
92.5°	14.8	15.6	16.6	17.6	18.5	19.5	20.2	21.0	21.8	22.6	23.0
95°	34.0	34.7	35.8	36.9	38.1	39.1	39.9	40.8	41.6	42.4	42.8
97.5°	55.3	56.1	57.7	59.2	60.8	62.3	63.1	63.8	64.6	65.4	65.8
100°	71.2	72.0	73.4	74.9	76.3	77.8	78.8	79.9	80.9	81.9	82.5
102.5°	90.5	91.1	91.8	92.6	93.4	94.1	95.2	96.3	97.5	98.5	99.2
105°	118.2	118.9	119.6	120.2	120.9	121.5	122.3	123.0	123.6	124.3	124.8
107.5°	148.4	148.9	149.5	149.9	150.4	151.0	151.3	151.7	152.0	152.3	152.5
110°	169.2	169.6	169.9	170.2	170.6	170.9	171.3	171.6	171.9	172.3	172.4



TEST NUMBER: P333587-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	189.2	189.6	190.0	190.4	190.8	191.3	191.5	191.6	191.7	191.9	191.9
115°	221.1	221.4	221.6	221.9	222.0	222.3	222.2	222.0	221.9	221.9	221.8
117.5°	251.4	251.6	251.8	252.0	252.2	252.4	252.5	252.6	252.7	252.8	252.6
120°	272.4	272.7	272.9	273.0	273.0	273.1	273.1	273.1	273.1	273.1	273.0
122.5°	292.1	292.3	292.7	292.9	293.2	293.6	293.5	293.4	293.3	293.2	292.9
125°	322.7	323.1	323.2	323.3	323.4	323.5	323.3	323.1	322.9	322.6	322.4
127.5°	352.0	352.3	352.4	352.6	352.7	352.8	352.8	352.6	352.5	352.4	352.2
130°	371.0	371.5	371.7	371.9	372.1	372.4	372.3	372.1	372.0	371.9	371.8
132.5°	390.8	391.3	391.2	391.2	391.1	391.1	391.0	390.8	390.7	390.7	390.4
135°	418.8	419.2	419.4	419.5	419.5	419.6	419.6	419.6	419.6	419.6	419.5
137.5°	446.0	446.5	446.7	446.9	447.2	447.5	447.5	447.7	447.8	448.0	447.8
140°	463.2	463.6	464.0	464.3	464.6	464.9	465.2	465.4	465.7	465.8	465.7
142.5°	480.3	480.7	481.2	481.6	482.1	482.4	482.6	482.7	482.9	483.0	482.8
145°	506.0	506.3	506.7	507.0	507.4	507.7	507.7	507.7	507.7	507.7	507.5
147.5°	529.0	529.1	529.4	529.8	530.0	530.3	530.6	530.8	531.1	531.4	531.1
150°	543.3	543.5	543.9	544.4	544.8	545.3	545.3	545.3	545.3	545.3	545.2
152.5°	557.4	557.6	557.8	557.9	558.1	558.4	558.7	558.9	559.2	559.5	559.4
155°	576.8	576.9	577.0	577.1	577.3	577.4	577.8	578.3	578.7	579.2	579.2
157.5°	593.8	593.7	593.8	594.0	594.1	594.1	594.6	595.0	595.5	595.9	595.8
160°	604.0	603.9	604.0	604.1	604.2	604.3	604.8	605.2	605.6	606.1	606.1
162.5°	613.7	613.6	613.6	613.7	613.7	613.7	614.2	614.7	615.3	615.9	615.8
165°	626.3	626.2	626.3	626.5	626.6	626.7	627.1	627.6	628.0	628.6	628.4
167.5°	636.0	635.8	635.8	635.8	635.8	635.8	636.4	637.1	637.8	638.5	638.5
170°	641.7	641.5	641.5	641.5	641.5	641.5	642.1	642.8	643.5	644.2	644.1
172.5°	645.8	645.5	645.5	645.5	645.5	645.5	646.2	646.9	647.6	648.3	648.3
175°	650.3	650.1	650.1	650.1	650.1	650.1	650.8	651.5	652.1	652.8	652.7
177.5°	653.0	652.8	652.7	652.6	652.6	652.5	653.0	653.5	654.1	654.6	654.6
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333587-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-A1

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°	13.3	12.9	12.9	13.0	12.9	12.9	13.3	12.8	13.2	13.0	12.9
90°	11.2	11.5	11.9	12.2	11.9	11.5	11.2	10.9	10.4	9.8	9.3
92.5°	23.3	23.5	23.7	24.0	23.7	23.5	23.3	23.0	22.6	21.8	21.0
95°	43.1	43.3	43.5	43.8	43.5	43.3	43.1	42.8	42.4	41.6	40.8
97.5°	65.9	66.1	66.2	66.3	66.2	66.1	65.9	65.8	65.4	64.6	63.8
100°	82.8	83.0	83.2	83.5	83.2	83.0	82.8	82.5	81.9	80.9	79.9
102.5°	99.6	99.9	100.2	100.5	100.2	99.9	99.6	99.2	98.5	97.5	96.3
105°	125.1	125.5	125.8	126.2	125.8	125.5	125.1	124.8	124.3	123.6	123.0
107.5°	152.5	152.5	152.4	152.4	152.4	152.5	152.5	152.5	152.3	152.0	151.7
110°	172.3	172.2	172.0	171.9	172.0	172.2	172.3	172.4	172.3	171.9	171.6



TEST NUMBER: P333587-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	191.7	191.5	191.3	191.1	191.3	191.5	191.7	191.9	191.9	191.7	191.6
115°	221.6	221.5	221.4	221.3	221.4	221.5	221.6	221.8	221.9	221.9	222.0
117.5°	252.2	251.7	251.3	250.7	251.3	251.7	252.2	252.6	252.8	252.7	252.6
120°	272.5	272.1	271.6	271.2	271.6	272.1	272.5	273.0	273.1	273.1	273.1
122.5°	292.6	292.2	291.9	291.5	291.9	292.2	292.6	292.9	293.2	293.3	293.4
125°	322.4	322.3	322.1	322.0	322.1	322.3	322.4	322.4	322.6	322.9	323.1
127.5°	352.0	351.8	351.5	351.3	351.5	351.8	352.0	352.2	352.4	352.5	352.6
130°	371.5	371.3	371.0	370.9	371.0	371.3	371.5	371.8	371.9	372.0	372.1
132.5°	390.1	389.8	389.5	389.1	389.5	389.8	390.1	390.4	390.7	390.7	390.8
135°	419.0	418.6	418.1	417.7	418.1	418.6	419.0	419.5	419.6	419.6	419.6
137.5°	447.2	446.7	446.1	445.5	446.1	446.7	447.2	447.8	448.0	447.8	447.7
140°	465.1	464.6	464.0	463.4	464.0	464.6	465.1	465.7	465.8	465.7	465.4
142.5°	482.2	481.6	481.1	480.5	481.1	481.6	482.2	482.8	483.0	482.9	482.7
145°	507.2	506.8	506.5	506.1	506.5	506.8	507.2	507.5	507.7	507.7	507.7
147.5°	530.3	529.6	528.8	528.1	528.8	529.6	530.3	531.1	531.4	531.1	530.8
150°	545.0	544.7	544.6	544.3	544.6	544.7	545.0	545.2	545.3	545.3	545.3
152.5°	558.9	558.6	558.1	557.8	558.1	558.6	558.9	559.4	559.5	559.2	558.9
155°	578.5	578.0	577.4	576.8	577.4	578.0	578.5	579.2	579.2	578.7	578.3
157.5°	595.0	594.3	593.6	592.8	593.6	594.3	595.0	595.8	595.9	595.5	595.0
160°	605.6	604.9	604.4	603.9	604.4	604.9	605.6	606.1	606.1	605.6	605.2
162.5°	615.2	614.5	613.9	613.1	613.9	614.5	615.2	615.8	615.9	615.3	614.7
165°	627.8	627.1	626.3	625.7	626.3	627.1	627.8	628.4	628.6	628.0	627.6
167.5°	637.8	637.0	636.3	635.7	636.3	637.0	637.8	638.5	638.5	637.8	637.1
170°	643.4	642.6	641.8	641.0	641.8	642.6	643.4	644.1	644.2	643.5	642.8
172.5°	647.6	646.8	646.1	645.4	646.1	646.8	647.6	648.3	648.3	647.6	646.9
175°	652.0	651.2	650.4	649.6	650.4	651.2	652.0	652.7	652.8	652.1	651.5
177.5°	654.0	653.4	652.6	652.0	652.6	653.4	654.0	654.6	654.6	654.1	653.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333587-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-A1

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°	13.3	13.2	12.6	13.8	12.8	13.0	12.8	13.2	13.9	14.7	15.5
90°	8.7	8.1	7.3	6.6	5.8	5.0	4.1	3.2	2.3	1.4	0.5
92.5°	20.2	19.5	18.5	17.6	16.6	15.6	14.8	14.2	13.6	12.9	12.3
95°	39.9	39.1	38.1	36.9	35.8	34.7	34.0	33.7	33.5	33.3	33.1
97.5°	63.1	62.3	60.8	59.2	57.7	56.1	55.3	55.2	55.1	55.0	54.9
100°	78.8	77.8	76.3	74.9	73.4	72.0	71.2	71.2	71.2	71.2	71.2
102.5°	95.2	94.1	93.4	92.6	91.8	91.1	90.5	90.1	89.6	89.2	88.7
105°	122.3	121.5	120.9	120.2	119.6	118.9	118.2	117.7	117.1	116.5	116.0
107.5°	151.3	151.0	150.4	149.9	149.5	148.9	148.4	147.8	147.2	146.7	146.1
110°	171.3	170.9	170.6	170.2	169.9	169.6	169.2	168.5	168.0	167.4	166.8



TEST NUMBER: P333587-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	191.5	191.3	190.8	190.4	190.0	189.6	189.2	188.9	188.6	188.3	188.0
115°	222.2	222.3	222.0	221.9	221.6	221.4	221.1	220.6	220.2	219.7	219.3
117.5°	252.5	252.4	252.2	252.0	251.8	251.6	251.4	251.2	251.0	250.7	250.6
120°	273.1	273.1	273.0	273.0	272.9	272.7	272.4	271.8	271.3	270.7	270.1
122.5°	293.5	293.6	293.2	292.9	292.7	292.3	292.1	291.9	291.7	291.5	291.3
125°	323.3	323.5	323.4	323.3	323.2	323.1	322.7	322.0	321.3	320.7	319.9
127.5°	352.8	352.8	352.7	352.6	352.4	352.3	352.0	351.6	351.2	350.9	350.5
130°	372.3	372.4	372.1	371.9	371.7	371.5	371.0	370.5	370.0	369.3	368.8
132.5°	391.0	391.1	391.1	391.2	391.2	391.3	390.8	389.9	389.0	388.1	387.1
135°	419.6	419.6	419.5	419.5	419.4	419.2	418.8	418.1	417.5	416.8	416.1
137.5°	447.5	447.5	447.2	446.9	446.7	446.5	446.0	445.3	444.7	444.1	443.4
140°	465.2	464.9	464.6	464.3	464.0	463.6	463.2	462.5	462.0	461.5	460.8
142.5°	482.6	482.4	482.1	481.6	481.2	480.7	480.3	479.8	479.3	478.8	478.4
145°	507.7	507.7	507.4	507.0	506.7	506.3	506.0	505.5	505.1	504.5	504.1
147.5°	530.6	530.3	530.0	529.8	529.4	529.1	529.0	528.7	528.4	528.2	527.9
150°	545.3	545.3	544.8	544.4	543.9	543.5	543.3	543.5	543.6	543.7	543.8
152.5°	558.7	558.4	558.1	557.9	557.8	557.6	557.4	557.3	557.1	557.0	556.8
155°	577.8	577.4	577.3	577.1	577.0	576.9	576.8	576.8	576.8	576.8	576.8
157.5°	594.6	594.1	594.1	594.0	593.8	593.7	593.8	594.1	594.2	594.5	594.8
160°	604.8	604.3	604.2	604.1	604.0	603.9	604.0	604.3	604.7	605.0	605.4
162.5°	614.2	613.7	613.7	613.7	613.6	613.6	613.7	613.9	614.2	614.5	614.7
165°	627.1	626.7	626.6	626.5	626.3	626.2	626.3	626.5	626.8	627.0	627.2
167.5°	636.4	635.8	635.8	635.8	635.8	635.8	636.0	636.4	636.9	637.4	637.8
170°	642.1	641.5	641.5	641.5	641.5	641.5	641.7	642.1	642.6	643.0	643.5
172.5°	646.2	645.5	645.5	645.5	645.5	645.5	645.8	646.2	646.7	647.1	647.6
175°	650.8	650.1	650.1	650.1	650.1	650.1	650.3	650.8	651.2	651.7	652.1
177.5°	653.0	652.5	652.6	652.6	652.7	652.8	653.0	653.4	653.8	654.2	654.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



TEST NUMBER: P333587-940

CATALOG NUMBER: S125RDIP-S1090D590U940-4F0-1E-UDD-A1

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°	15.2	13.9	11.7	12.4	12.6	12.2	12.4	12.0	11.8	11.9	11.9
90°	1.4	2.3	3.2	4.1	5.0	5.8	6.6	7.3	8.1	8.7	9.3
92.5°	12.9	13.6	14.2	14.8	15.6	16.6	17.6	18.5	19.5	20.2	21.0
95°	33.3	33.5	33.7	34.0	34.7	35.8	36.9	38.1	39.1	39.9	40.8
97.5°	55.0	55.1	55.2	55.3	56.1	57.7	59.2	60.8	62.3	63.1	63.8
100°	71.2	71.2	71.2	71.2	72.0	73.4	74.9	76.3	77.8	78.8	79.9
102.5°	89.2	89.6	90.1	90.5	91.1	91.8	92.6	93.4	94.1	95.2	96.3
105°	116.5	117.1	117.7	118.2	118.9	119.6	120.2	120.9	121.5	122.3	123.0
107.5°	146.7	147.2	147.8	148.4	148.9	149.5	149.9	150.4	151.0	151.3	151.7
110°	167.4	168.0	168.5	169.2	169.6	169.9	170.2	170.6	170.9	171.3	171.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	188.3	188.6	188.9	189.2	189.6	190.0	190.4	190.8	191.3	191.5	191.6
115°	219.7	220.2	220.6	221.1	221.4	221.6	221.9	222.0	222.3	222.2	222.0
117.5°	250.7	251.0	251.2	251.4	251.6	251.8	252.0	252.2	252.4	252.5	252.6
120°	270.7	271.3	271.8	272.4	272.7	272.9	273.0	273.0	273.1	273.1	273.1
122.5°	291.5	291.7	291.9	292.1	292.3	292.7	292.9	293.2	293.6	293.5	293.4
125°	320.7	321.3	322.0	322.7	323.1	323.2	323.3	323.4	323.5	323.3	323.1
127.5°	350.9	351.2	351.6	352.0	352.3	352.4	352.6	352.7	352.8	352.8	352.6
130°	369.3	370.0	370.5	371.0	371.5	371.7	371.9	372.1	372.4	372.3	372.1
132.5°	388.1	389.0	389.9	390.8	391.3	391.2	391.2	391.1	391.1	391.0	390.8
135°	416.8	417.5	418.1	418.8	419.2	419.4	419.5	419.5	419.6	419.6	419.6
137.5°	444.1	444.7	445.3	446.0	446.5	446.7	446.9	447.2	447.5	447.5	447.7
140°	461.5	462.0	462.5	463.2	463.6	464.0	464.3	464.6	464.9	465.2	465.4
142.5°	478.8	479.3	479.8	480.3	480.7	481.2	481.6	482.1	482.4	482.6	482.7
145°	504.5	505.1	505.5	506.0	506.3	506.7	507.0	507.4	507.7	507.7	507.7
147.5°	528.2	528.4	528.7	529.0	529.1	529.4	529.8	530.0	530.3	530.6	530.8
150°	543.7	543.6	543.5	543.3	543.5	543.9	544.4	544.8	545.3	545.3	545.3
152.5°	557.0	557.1	557.3	557.4	557.6	557.8	557.9	558.1	558.4	558.7	558.9
155°	576.8	576.8	576.8	576.8	576.9	577.0	577.1	577.3	577.4	577.8	578.3
157.5°	594.5	594.2	594.1	593.8	593.7	593.8	594.0	594.1	594.1	594.6	595.0
160°	605.0	604.7	604.3	604.0	603.9	604.0	604.1	604.2	604.3	604.8	605.2
162.5°	614.5	614.2	613.9	613.7	613.6	613.6	613.7	613.7	613.7	614.2	614.7
165°	627.0	626.8	626.5	626.3	626.2	626.3	626.5	626.6	626.7	627.1	627.6
167.5°	637.4	636.9	636.4	636.0	635.8	635.8	635.8	635.8	635.8	636.4	637.1
170°	643.0	642.6	642.1	641.7	641.5	641.5	641.5	641.5	641.5	642.1	642.8
172.5°	647.1	646.7	646.2	645.8	645.5	645.5	645.5	645.5	645.5	646.2	646.9
175°	651.7	651.2	650.8	650.3	650.1	650.1	650.1	650.1	650.1	650.8	651.5
177.5°	654.2	653.8	653.4	653.0	652.8	652.7	652.6	652.6	652.5	653.0	653.5
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7



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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°	12.6	13.2	12.3	11.9	11.9	12.5	13.0
90°	9.8	10.4	10.9	11.2	11.5	11.9	12.2
92.5°	21.8	22.6	23.0	23.3	23.5	23.7	24.0
95°	41.6	42.4	42.8	43.1	43.3	43.5	43.8
97.5°	64.6	65.4	65.8	65.9	66.1	66.2	66.3
100°	80.9	81.9	82.5	82.8	83.0	83.2	83.5
102.5°	97.5	98.5	99.2	99.6	99.9	100.2	100.5
105°	123.6	124.3	124.8	125.1	125.5	125.8	126.2
107.5°	152.0	152.3	152.5	152.5	152.5	152.4	152.4
110°	171.9	172.3	172.4	172.3	172.2	172.0	171.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	191.7	191.9	191.9	191.7	191.5	191.3	191.1
115°	221.9	221.9	221.8	221.6	221.5	221.4	221.3
117.5°	252.7	252.8	252.6	252.2	251.7	251.3	250.7
120°	273.1	273.1	273.0	272.5	272.1	271.6	271.2
122.5°	293.3	293.2	292.9	292.6	292.2	291.9	291.5
125°	322.9	322.6	322.4	322.4	322.3	322.1	322.0
127.5°	352.5	352.4	352.2	352.0	351.8	351.5	351.3
130°	372.0	371.9	371.8	371.5	371.3	371.0	370.9
132.5°	390.7	390.7	390.4	390.1	389.8	389.5	389.1
135°	419.6	419.6	419.5	419.0	418.6	418.1	417.7
137.5°	447.8	448.0	447.8	447.2	446.7	446.1	445.5
140°	465.7	465.8	465.7	465.1	464.6	464.0	463.4
142.5°	482.9	483.0	482.8	482.2	481.6	481.1	480.5
145°	507.7	507.7	507.5	507.2	506.8	506.5	506.1
147.5°	531.1	531.4	531.1	530.3	529.6	528.8	528.1
150°	545.3	545.3	545.2	545.0	544.7	544.6	544.3
152.5°	559.2	559.5	559.4	558.9	558.6	558.1	557.8
155°	578.7	579.2	579.2	578.5	578.0	577.4	576.8
157.5°	595.5	595.9	595.8	595.0	594.3	593.6	592.8
160°	605.6	606.1	606.1	605.6	604.9	604.4	603.9
162.5°	615.3	615.9	615.8	615.2	614.5	613.9	613.1
165°	628.0	628.6	628.4	627.8	627.1	626.3	625.7
167.5°	637.8	638.5	638.5	637.8	637.0	636.3	635.7
170°	643.5	644.2	644.1	643.4	642.6	641.8	641.0
172.5°	647.6	648.3	648.3	647.6	646.8	646.1	645.4
175°	652.1	652.8	652.7	652.0	651.2	650.4	649.6
177.5°	654.1	654.6	654.6	654.0	653.4	652.6	652.0
180°	653.7	653.7	653.7	653.7	653.7	653.7	653.7

(END OF REPORT)