

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: P332618-940

Luminaire Tested: **SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332618-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

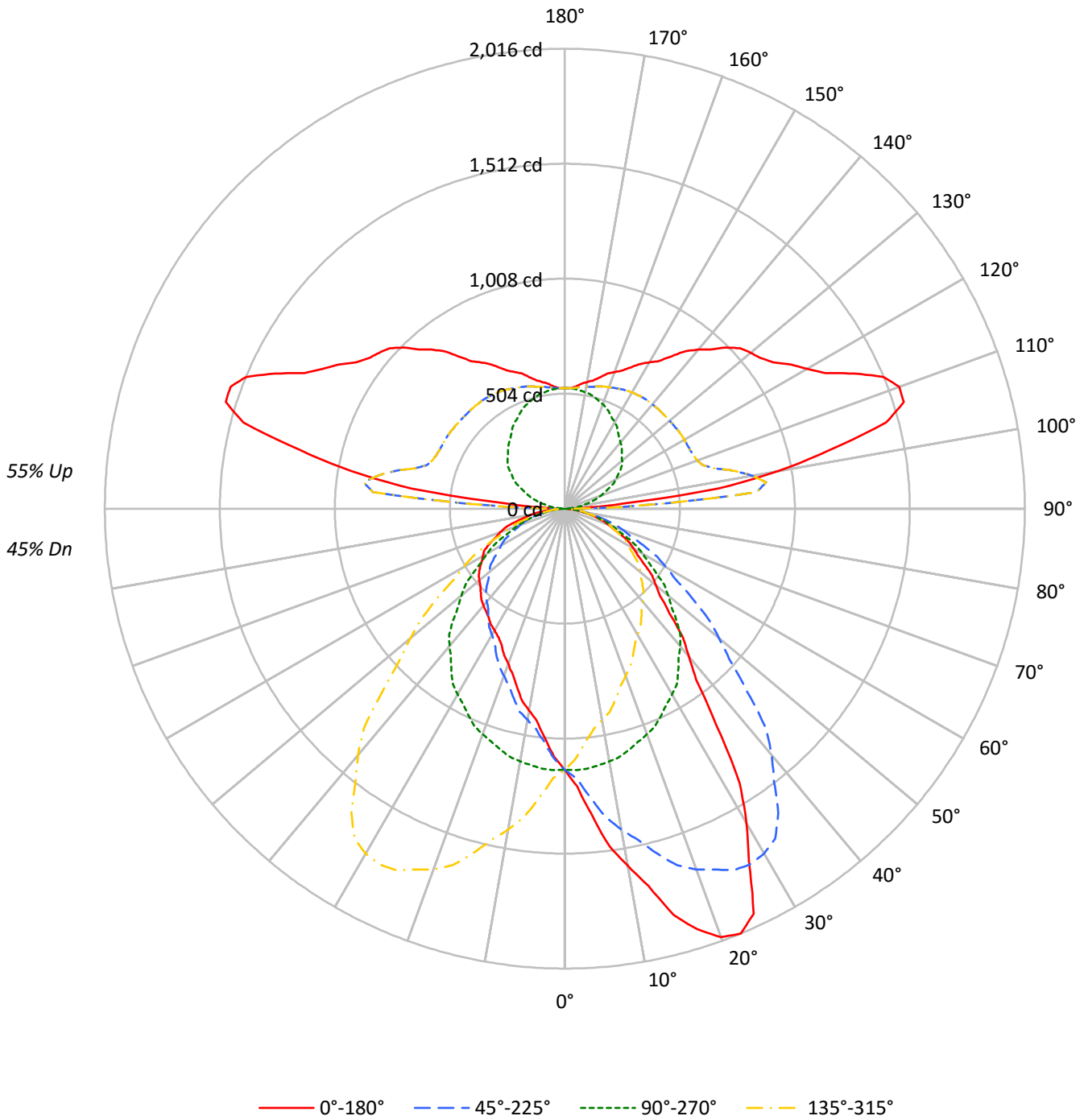
Lumens per Lamp: N/A
Luminaire Lumens: 6997.3 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 56.9
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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				
1	97	93	89	85	89	85	82	79	71	69	67	58	56	55	46	45	44	38				
2	88	81	75	70	81	75	69	65	62	59	55	51	48	46	41	39	37	33				
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	36	33	29	29	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	19				
7	58	46	38	33	53	42	35	31	36	31	27	30	26	23	24	21	19	16				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9243	9243	9243	9243
5°	10884	9266	8178	9266
10°	13032	9225	7363	9225
15°	15419	9132	6761	9132
20°	17169	9037	6225	9037
25°	17446	8897	5855	8897
30°	14845	8763	5738	8763
35°	11413	8544	5740	8544
40°	8897	8286	5848	8286
45°	7418	7900	5946	7900
50°	6528	7428	6148	7428
55°	5980	6861	6394	6861
60°	5604	6355	6692	6355
65°	5217	5788	6940	5788
70°	4770	5228	7098	5228
75°	4261	4601	7012	4601
80°	3575	3770	6792	3770
85°	2631	2723	6502	2723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	1.6
10°-20°	343.8	4.9
20°-30°	545.1	7.8
30°-40°	606.7	8.7
40°-50°	552.2	7.9
50°-60°	451.3	6.4
60°-70°	322.2	4.6
70°-80°	177.4	2.5
80°-90°	51.3	0.7
90°-100°	380.9	5.4
100°-110°	792.8	11.3
110°-120°	710.1	10.1
120°-130°	597.3	8.5
130°-140°	498.1	7.1
140°-150°	380.5	5.4
150°-160°	267.5	3.8
160°-170°	157.3	2.2
170°-180°	51.2	0.7
0°-30°	1000.4	14.3
0°-40°	1607.1	23.0
0°-60°	2610.6	37.3
0°-90°	3161.5	45.2
90°-120°	1883.9	26.9
90°-150°	3359.8	48.0
90°-180°	3836.0	54.8
0°-180°	6997.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1145	1145	1145	1145	1145	
5°	1343	1143	1009	1143	1343	137
15°	1845	1093	809	1093	1845	521
25°	1959	999	657	999	1959	863
35°	1158	867	582	867	1158	735
45°	650	692	521	692	650	512
55°	425	488	454	488	425	384
65°	273	303	363	303	273	270
75°	137	148	225	148	137	145
85°	28	29	70	29	28	35
90°	22	1	22	1	22	19
95°	253	34	253	34	253	392
105°	1458	121	1458	121	1458	1441
115°	1400	214	1400	214	1400	1390
125°	1117	297	1117	297	1117	1015
135°	999	353	999	353	999	771
145°	816	407	816	407	816	517
155°	683	463	683	463	683	319
165°	596	505	596	505	596	171
175°	537	526	537	526	537	52
180°	527	527	527	527	527	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1218.4	1218.1	1214.2	1213.5	1210.9	1207.5	1206.7	1200.6	1188.5	1182.8	1181.2
5°	1343.1	1352.5	1340.2	1337.8	1336.4	1320.8	1312.7	1303.2	1281.4	1268.6	1258.6
7.5°	1491.8	1492.9	1487.6	1483.2	1471.1	1457.4	1437.0	1415.1	1389.2	1362.1	1341.8
10°	1589.7	1593.5	1587.3	1586.4	1562.2	1547.0	1516.6	1491.0	1461.6	1428.9	1399.0
12.5°	1692.9	1687.6	1684.4	1664.1	1659.7	1632.0	1596.7	1570.3	1525.0	1487.4	1447.6
15°	1844.9	1834.4	1827.7	1799.7	1786.0	1747.6	1710.1	1681.2	1621.9	1565.5	1522.8
17.5°	1933.9	1944.4	1929.0	1917.5	1882.0	1855.0	1816.8	1756.0	1709.7	1639.6	1585.7
20°	1998.5	1999.4	1990.9	1979.1	1951.1	1916.9	1875.2	1808.7	1753.3	1683.6	1609.6
22.5°	2015.9	2016.2	2012.5	2001.4	1980.2	1952.6	1910.5	1855.0	1787.8	1712.0	1638.1
25°	1958.6	1956.8	1961.1	1973.4	1965.2	1956.8	1932.5	1891.3	1828.7	1748.6	1668.8
27.5°	1745.8	1758.9	1783.0	1813.3	1842.5	1864.8	1871.1	1862.6	1823.8	1757.9	1674.5
30°	1592.5	1608.6	1626.7	1657.0	1715.8	1749.5	1786.5	1814.5	1798.8	1746.1	1668.4
32.5°	1424.1	1428.1	1454.8	1489.3	1543.2	1608.0	1666.6	1723.4	1742.3	1714.7	1649.8
35°	1158.1	1164.8	1193.6	1227.8	1293.8	1373.0	1461.2	1539.9	1604.8	1630.9	1597.8
37.5°	945.0	964.1	984.5	1021.3	1079.3	1150.6	1242.2	1344.1	1440.9	1505.8	1516.8
40°	844.2	856.0	870.8	898.7	948.0	1018.2	1096.9	1213.6	1316.5	1409.4	1439.8
42.5°	764.5	771.4	780.4	805.7	843.3	913.1	985.0	1087.6	1191.0	1302.1	1352.9
45°	649.7	656.8	672.0	686.7	715.2	763.6	830.4	914.8	1018.7	1125.9	1219.8
47.5°	566.9	571.4	580.4	596.1	620.3	652.2	706.6	777.1	873.3	977.4	1077.5
50°	519.8	523.5	530.7	544.9	563.4	591.8	636.4	702.4	777.8	882.6	980.7
52.5°	482.6	484.1	489.4	499.0	513.7	537.6	574.2	628.7	698.8	792.3	890.1
55°	424.9	426.9	431.6	438.7	451.5	466.6	494.6	535.4	596.6	677.7	762.6
57.5°	377.5	378.8	382.8	385.6	396.1	408.4	430.0	459.1	505.4	574.2	650.0
60°	347.1	346.2	351.0	353.3	360.4	370.9	387.4	415.4	455.8	511.2	580.9
62.5°	317.5	316.2	320.2	323.3	327.4	336.4	349.9	371.8	404.6	454.7	515.0
65°	273.1	271.3	273.7	277.4	281.2	286.0	296.0	315.4	341.4	377.5	423.5
67.5°	228.5	230.6	231.0	232.8	235.1	241.5	248.3	262.1	280.4	309.3	348.3
70°	202.1	202.5	204.4	204.4	205.8	211.5	217.2	225.2	243.3	269.8	301.6
72.5°	175.5	177.5	176.7	178.3	179.2	183.1	187.3	194.9	210.3	230.0	256.8
75°	136.6	138.0	138.0	138.5	139.9	141.3	144.6	150.3	161.2	175.9	194.5
77.5°	99.6	99.8	100.4	102.2	102.2	104.4	106.9	111.5	116.8	126.9	138.2
80°	76.9	77.8	77.3	78.3	78.3	80.2	81.1	86.8	89.2	95.8	104.8
82.5°	56.4	57.2	57.2	58.5	59.3	59.7	61.0	63.2	65.6	71.5	75.2
85°	28.4	29.4	28.4	29.4	30.9	31.3	32.7	33.2	35.1	36.6	39.9
87.5°	12.7	13.8	14.0	14.2	14.8	15.2	15.3	14.7	16.1	16.6	17.7
90°	21.8	21.8	22.8	21.8	20.7	20.7	19.7	18.6	17.7	18.6	16.6
92.5°	79.8	79.8	83.3	88.9	101.1	121.9	153.1	203.5	273.8	328.7	287.7
95°	252.8	266.3	285.0	317.1	367.8	468.3	607.2	767.8	868.3	844.5	637.2
97.5°	675.8	697.3	728.4	790.8	865.2	973.4	1074.7	1134.4	1090.9	889.5	596.4
100°	950.2	958.5	989.5	1052.8	1142.9	1219.6	1270.3	1249.6	1098.3	833.0	540.9
102.5°	1188.9	1195.5	1228.2	1274.1	1329.4	1361.3	1346.6	1243.8	1036.2	762.6	503.5
105°	1457.9	1464.1	1478.6	1486.9	1484.8	1442.3	1339.8	1160.5	923.2	679.8	471.4
107.5°	1557.8	1555.1	1544.7	1521.1	1469.9	1377.5	1233.1	1042.1	832.1	633.3	465.7
110°	1559.4	1550.2	1531.4	1487.9	1414.3	1300.4	1150.1	970.9	786.5	617.6	467.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1510.6	1495.4	1469.3	1416.7	1333.1	1219.1	1077.2	918.6	760.7	610.1	472.3
115°	1399.9	1391.6	1358.4	1296.3	1214.4	1114.9	993.7	866.2	736.7	606.2	481.8
117.5°	1287.7	1281.3	1247.8	1195.5	1125.7	1041.3	946.0	840.5	725.9	605.1	492.0
120°	1224.8	1213.4	1186.4	1140.9	1081.7	1008.2	925.3	828.9	720.1	605.1	499.4
122.5°	1175.0	1163.6	1140.9	1101.9	1052.0	987.5	912.0	818.9	713.5	604.3	506.9
125°	1117.0	1110.8	1091.1	1061.0	1019.6	962.6	891.1	802.0	702.5	603.1	518.1
127.5°	1083.0	1076.8	1060.2	1033.5	991.8	937.7	866.5	781.2	687.8	600.7	527.0
130°	1063.1	1056.9	1040.3	1014.4	972.0	917.0	846.6	764.7	678.7	599.9	533.6
132.5°	1040.7	1034.5	1018.8	989.5	947.9	893.0	824.2	747.3	670.4	599.1	539.4
135°	998.9	992.7	976.1	947.1	905.6	853.8	790.6	723.3	658.0	597.9	548.1
137.5°	947.1	939.6	926.0	897.3	858.5	811.7	758.5	701.5	647.2	597.6	553.3
140°	909.7	901.4	887.0	864.2	827.9	784.3	737.7	689.0	641.4	596.8	557.5
142.5°	870.0	864.2	851.3	830.2	798.1	760.4	720.3	677.4	636.4	596.8	560.8
145°	815.5	810.3	800.0	782.3	756.4	727.4	696.3	661.1	627.9	594.8	562.7
147.5°	767.1	765.4	757.4	742.3	723.3	700.4	675.6	647.6	620.3	591.0	563.7
150°	739.9	738.8	732.5	719.1	702.5	683.9	663.2	639.4	614.5	588.5	563.7
152.5°	715.0	713.9	710.2	699.2	685.1	669.8	650.7	630.2	607.8	584.4	562.0
155°	682.9	682.9	679.8	671.5	661.1	648.6	633.1	616.5	597.9	578.2	559.5
157.5°	654.7	654.7	652.8	646.6	638.7	628.7	615.7	601.8	587.7	571.8	556.9
160°	637.2	637.2	636.2	630.0	623.8	615.5	604.0	592.7	580.2	566.8	554.4
162.5°	620.6	621.5	620.5	614.2	609.7	602.3	593.3	583.5	573.6	561.8	551.9
165°	595.8	596.8	597.9	593.7	589.6	584.4	577.1	571.0	562.7	554.4	547.1
167.5°	576.1	576.9	577.1	574.4	572.4	569.3	563.5	558.7	552.7	546.9	542.2
170°	563.7	563.7	564.7	563.7	561.6	558.5	554.4	551.3	546.1	541.9	538.8
172.5°	551.3	552.9	553.9	552.9	551.6	549.4	546.9	544.6	540.3	536.9	535.5
175°	536.7	538.8	540.9	538.8	538.8	538.8	536.7	535.7	533.6	531.5	531.5
177.5°	528.2	529.9	531.5	530.7	531.5	530.7	530.7	529.9	529.1	528.2	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1181.6	1176.3	1172.5	1169.5	1161.2	1156.2	1152.4	1147.1	1141.0	1134.6	1126.6
5°	1248.7	1232.5	1220.8	1202.7	1185.6	1171.4	1156.7	1143.4	1127.3	1109.7	1096.9
7.5°	1319.2	1295.2	1264.4	1237.8	1207.8	1181.7	1158.4	1134.5	1109.6	1085.6	1063.5
10°	1364.0	1333.1	1299.0	1258.6	1220.8	1187.0	1155.7	1125.4	1096.0	1066.6	1041.4
12.5°	1412.1	1373.7	1323.2	1276.1	1233.6	1188.6	1150.8	1113.7	1078.2	1047.2	1017.9
15°	1476.8	1421.3	1363.0	1299.9	1243.9	1191.3	1139.6	1092.7	1052.8	1012.0	983.6
17.5°	1516.5	1447.9	1381.2	1315.3	1247.6	1181.2	1125.4	1071.2	1021.4	980.8	944.9
20°	1542.7	1474.4	1391.4	1325.5	1244.9	1176.6	1112.1	1051.9	999.7	956.5	919.5
22.5°	1565.5	1486.6	1403.6	1316.8	1236.5	1164.1	1093.5	1032.9	979.6	934.2	898.7
25°	1577.8	1487.2	1397.1	1310.8	1219.8	1133.9	1069.9	998.8	941.8	893.9	856.0
27.5°	1579.1	1482.3	1380.4	1284.4	1190.4	1110.5	1029.7	966.2	907.0	856.4	819.9
30°	1574.9	1474.0	1364.4	1260.5	1166.2	1079.4	1009.2	940.0	879.8	829.5	791.5
32.5°	1561.7	1456.5	1343.9	1233.9	1136.2	1051.3	978.8	913.0	854.3	804.8	765.0
35°	1523.3	1419.4	1299.4	1185.2	1085.0	999.3	933.8	866.9	808.2	761.2	722.7
37.5°	1463.2	1369.3	1247.3	1129.1	1030.8	944.6	879.8	819.3	766.2	718.5	679.2
40°	1410.9	1328.4	1206.0	1090.7	984.5	902.5	841.8	786.3	733.7	688.6	651.1
42.5°	1350.6	1278.6	1165.8	1043.7	941.3	858.9	799.7	749.8	700.3	658.6	621.2
45°	1243.0	1195.6	1089.3	976.5	869.8	792.0	735.6	692.0	650.2	609.4	578.1
47.5°	1119.3	1095.8	1006.4	899.2	797.9	721.2	672.3	632.0	595.4	560.9	533.2
50°	1036.3	1024.8	947.5	844.2	747.4	675.3	626.0	591.4	560.1	529.8	503.6
52.5°	954.3	953.9	884.2	789.5	700.0	630.5	581.6	549.3	522.2	497.5	474.0
55°	829.0	842.2	787.7	703.3	623.1	560.5	516.5	487.5	468.6	448.2	430.6
57.5°	713.9	735.9	691.0	616.6	549.7	492.0	453.7	431.9	411.7	399.4	386.6
60°	638.8	659.7	624.6	562.0	498.9	449.6	413.0	393.6	376.0	367.6	358.6
62.5°	572.0	590.7	564.6	506.6	451.8	404.5	373.6	354.9	343.0	333.8	327.8
65°	476.6	492.2	470.0	427.8	380.8	342.9	317.7	303.0	291.7	287.8	281.2
67.5°	385.3	399.5	387.4	351.6	314.0	285.2	265.6	251.5	244.7	241.4	236.7
70°	331.0	345.3	332.4	301.1	272.2	248.1	229.5	221.5	214.4	212.9	206.3
72.5°	285.1	294.8	282.0	257.5	232.7	212.4	198.0	189.6	185.9	183.3	179.8
75°	213.9	222.4	213.9	194.9	177.4	163.2	150.8	147.5	143.2	141.8	139.5
77.5°	151.4	158.8	152.2	140.4	127.2	116.3	109.7	105.4	104.4	101.9	103.1
80°	115.7	120.5	114.3	106.2	95.8	88.2	83.5	81.1	78.3	77.3	79.2
82.5°	83.1	85.2	82.0	76.6	68.8	63.9	60.7	58.0	57.4	57.6	57.6
85°	43.2	42.7	42.2	37.5	35.1	31.7	29.9	29.4	28.9	29.9	30.9
87.5°	17.3	17.7	16.1	14.5	13.2	11.9	10.9	10.1	10.9	11.9	12.5
90°	14.5	14.5	8.3	8.3	7.2	6.2	3.1	1.1	3.1	6.2	7.2
92.5°	209.3	128.9	76.2	54.8	39.6	26.9	17.2	11.8	17.2	26.9	39.6
95°	389.6	219.6	129.6	86.0	61.2	47.7	37.3	34.2	37.3	47.7	61.2
97.5°	350.3	209.9	140.5	104.1	82.7	70.3	61.3	61.3	61.3	70.3	82.7
100°	329.5	212.4	151.3	118.2	98.4	86.0	78.7	78.7	78.7	86.0	98.4
102.5°	323.7	220.7	165.4	133.8	115.0	103.4	97.0	95.3	97.0	103.4	115.0
105°	326.4	240.4	190.6	160.6	142.0	129.6	124.3	121.3	124.3	129.6	142.0
107.5°	341.7	263.4	217.8	188.2	170.3	157.1	151.9	149.8	151.9	157.1	170.3
110°	353.3	280.8	235.2	207.2	188.6	176.1	170.9	168.9	170.9	176.1	188.6



TEST NUMBER: P332618-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	365.8	297.4	253.4	225.5	206.8	195.2	189.2	187.2	189.2	195.2	206.8
115°	385.5	323.2	281.9	253.9	234.2	223.8	216.6	213.5	216.6	223.8	234.2
117.5°	405.6	348.4	309.0	280.0	261.5	250.1	243.7	240.8	243.7	250.1	261.5
120°	419.6	365.8	326.4	297.4	279.7	268.4	261.1	259.0	261.1	268.4	279.7
122.5°	432.9	382.4	343.0	314.8	295.5	285.0	277.7	275.6	277.7	285.0	295.5
125°	452.8	405.1	367.8	338.9	319.1	307.7	301.5	297.4	301.5	307.7	319.1
127.5°	470.0	426.2	390.2	361.0	340.5	327.4	319.9	316.6	319.9	327.4	340.5
130°	480.8	440.4	405.1	375.1	355.4	339.8	331.5	327.4	331.5	339.8	355.4
132.5°	491.6	452.0	416.8	388.3	367.0	352.3	341.5	338.2	341.5	352.3	367.0
135°	505.7	468.3	434.2	407.2	385.5	367.8	357.5	353.3	357.5	367.8	385.5
137.5°	515.6	480.8	448.9	423.2	400.6	383.8	372.4	368.5	372.4	383.8	400.6
140°	522.2	489.1	458.0	433.1	411.3	393.8	382.4	379.2	382.4	393.8	411.3
142.5°	527.2	496.5	466.3	442.2	421.3	404.5	394.0	390.8	394.0	404.5	421.3
145°	532.6	504.6	477.7	454.9	435.2	420.7	410.4	407.2	410.4	420.7	435.2
147.5°	537.3	512.9	487.6	467.1	450.8	435.8	426.7	425.6	426.7	435.8	450.8
150°	539.8	517.0	494.3	474.6	459.1	446.6	438.3	437.3	438.3	446.6	459.1
152.5°	541.5	520.4	500.1	482.1	468.1	456.6	448.3	448.0	448.3	456.6	468.1
155°	543.0	525.3	507.7	492.2	480.8	470.4	464.2	463.2	464.2	470.4	480.8
157.5°	543.0	528.9	514.0	501.7	491.8	483.7	477.9	477.9	477.9	483.7	491.8
160°	543.0	530.5	518.1	506.7	498.4	491.2	487.0	487.0	487.0	491.2	498.4
162.5°	543.0	532.2	520.6	511.7	504.2	497.8	494.5	495.3	494.5	497.8	504.2
165°	540.9	532.6	523.3	517.0	511.8	506.7	504.6	504.6	504.6	506.7	511.8
167.5°	538.4	532.4	525.6	520.8	517.9	514.0	512.9	514.0	512.9	514.0	517.9
170°	536.7	531.5	526.4	523.3	521.2	518.1	517.0	518.1	517.0	518.1	521.2
172.5°	535.1	530.7	527.2	525.0	523.7	521.4	521.2	522.2	521.2	521.4	523.7
175°	532.6	529.5	527.4	527.4	526.4	525.3	525.3	526.4	525.3	525.3	526.4
177.5°	529.9	528.2	527.4	527.4	527.4	526.6	527.4	528.2	527.4	526.6	527.4
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332618-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1122.8	1119.5	1114.5	1107.7	1102.0	1095.9	1094.4	1092.1	1096.6	1092.9	1091.7
5°	1086.0	1076.0	1063.3	1048.6	1040.0	1027.7	1025.3	1020.6	1015.8	1015.4	1010.6
7.5°	1047.0	1032.4	1015.7	1000.7	986.8	973.3	964.6	962.6	955.6	951.5	946.8
10°	1022.0	1004.0	984.5	970.3	954.2	940.0	930.0	924.3	919.5	914.4	909.6
12.5°	992.4	973.2	957.3	941.8	922.7	911.9	895.5	885.6	884.7	884.8	872.4
15°	958.0	939.0	914.4	892.5	882.1	861.2	852.2	840.8	833.7	826.6	820.9
17.5°	918.6	895.0	875.7	850.7	830.8	814.2	802.4	795.5	784.8	774.7	767.4
20°	893.9	868.8	848.5	821.9	800.0	779.6	769.7	760.2	752.2	743.6	735.6
22.5°	868.9	842.7	817.7	791.9	771.6	750.1	740.5	727.5	719.9	715.2	707.1
25°	829.5	801.0	772.6	747.9	727.0	708.0	695.3	685.3	676.7	673.0	667.7
27.5°	786.6	758.3	730.8	702.8	679.1	665.4	655.1	647.6	642.7	637.7	635.3
30°	759.3	729.9	700.4	674.4	652.6	638.8	629.3	624.1	620.3	618.0	615.5
32.5°	731.6	702.6	671.6	647.8	628.3	616.1	608.9	603.6	601.7	600.8	600.0
35°	687.2	657.8	629.3	608.0	589.5	584.8	578.5	575.8	574.8	578.1	579.5
37.5°	644.2	616.9	590.8	570.1	557.9	551.0	548.8	549.0	552.4	555.4	558.7
40°	616.5	590.0	565.3	547.2	535.9	531.6	530.7	533.1	536.8	540.2	543.9
42.5°	589.6	563.4	541.0	524.1	516.2	512.3	512.8	515.2	520.5	524.6	530.3
45°	547.8	525.9	504.1	490.4	483.8	484.6	484.6	488.9	494.2	500.3	506.5
47.5°	508.4	486.4	468.4	456.9	453.4	452.6	455.3	460.8	468.3	476.0	484.6
50°	481.8	460.9	445.3	434.9	431.1	432.5	436.3	441.5	450.5	460.0	469.0
52.5°	454.9	436.0	421.4	411.7	409.1	411.6	415.4	423.7	431.6	441.8	452.7
55°	413.0	396.9	385.6	378.4	377.5	378.9	383.2	392.2	403.6	416.4	426.9
57.5°	371.4	357.9	347.5	342.6	343.0	344.4	351.4	362.1	374.3	387.9	401.4
60°	343.4	331.0	322.5	318.7	319.1	322.0	330.6	340.5	355.7	369.0	383.2
62.5°	316.8	305.9	297.8	294.4	293.7	300.0	308.2	318.5	333.7	348.5	363.8
65°	274.1	265.6	259.0	257.1	258.5	263.2	273.7	287.4	300.2	315.8	332.0
67.5°	232.4	225.3	220.8	221.7	223.4	230.4	239.2	250.9	265.5	281.7	297.7
70°	205.8	199.2	195.4	195.8	198.7	207.2	214.8	226.7	242.4	259.0	272.2
72.5°	178.5	174.2	170.8	172.7	175.6	181.5	190.9	202.8	216.5	232.0	246.0
75°	137.1	137.1	135.2	136.6	140.9	146.5	153.6	165.9	179.8	192.1	203.5
77.5°	101.7	100.7	101.8	103.6	106.0	112.8	120.9	129.7	140.1	152.4	161.8
80°	77.8	78.3	80.6	83.5	84.4	89.6	98.2	106.2	114.3	124.8	133.8
82.5°	58.4	58.9	60.1	63.8	64.6	70.3	75.8	83.8	91.1	98.2	105.7
85°	31.7	31.7	34.2	35.6	37.9	41.7	45.0	49.8	56.4	61.2	68.3
87.5°	13.8	13.8	16.6	17.3	18.9	21.2	21.8	26.1	27.8	30.0	33.3
90°	8.3	8.3	14.5	14.5	16.6	18.6	17.7	18.6	19.7	20.7	20.7
92.5°	54.8	76.2	128.9	209.3	287.7	328.7	273.8	203.5	153.1	121.9	101.1
95°	86.0	129.6	219.6	389.6	637.2	844.5	868.3	767.8	607.2	468.3	367.8
97.5°	104.1	140.5	209.9	350.3	596.4	889.5	1090.9	1134.4	1074.7	973.4	865.2
100°	118.2	151.3	212.4	329.5	540.9	833.0	1098.3	1249.6	1270.3	1219.6	1142.9
102.5°	133.8	165.4	220.7	323.7	503.5	762.6	1036.2	1243.8	1346.6	1361.3	1329.4
105°	160.6	190.6	240.4	326.4	471.4	679.8	923.2	1160.5	1339.8	1442.3	1484.8
107.5°	188.2	217.8	263.4	341.7	465.7	633.3	832.1	1042.1	1233.1	1377.5	1469.9
110°	207.2	235.2	280.8	353.3	467.3	617.6	786.5	970.9	1150.1	1300.4	1414.3



TEST NUMBER: P332618-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	225.5	253.4	297.4	365.8	472.3	610.1	760.7	918.6	1077.2	1219.1	1333.1
115°	253.9	281.9	323.2	385.5	481.8	606.2	736.7	866.2	993.7	1114.9	1214.4
117.5°	280.0	309.0	348.4	405.6	492.0	605.1	725.9	840.5	946.0	1041.3	1125.7
120°	297.4	326.4	365.8	419.6	499.4	605.1	720.1	828.9	925.3	1008.2	1081.7
122.5°	314.8	343.0	382.4	432.9	506.9	604.3	713.5	818.9	912.0	987.5	1052.0
125°	338.9	367.8	405.1	452.8	518.1	603.1	702.5	802.0	891.1	962.6	1019.6
127.5°	361.0	390.2	426.2	470.0	527.0	600.7	687.8	781.2	866.5	937.7	991.8
130°	375.1	405.1	440.4	480.8	533.6	599.9	678.7	764.7	846.6	917.0	972.0
132.5°	388.3	416.8	452.0	491.6	539.4	599.1	670.4	747.3	824.2	893.0	947.9
135°	407.2	434.2	468.3	505.7	548.1	597.9	658.0	723.3	790.6	853.8	905.6
137.5°	423.2	448.9	480.8	515.6	553.3	597.6	647.2	701.5	758.5	811.7	858.5
140°	433.1	458.0	489.1	522.2	557.5	596.8	641.4	689.0	737.7	784.3	827.9
142.5°	442.2	466.3	496.5	527.2	560.8	596.8	636.4	677.4	720.3	760.4	798.1
145°	454.9	477.7	504.6	532.6	562.7	594.8	627.9	661.1	696.3	727.4	756.4
147.5°	467.1	487.6	512.9	537.3	563.7	591.0	620.3	647.6	675.6	700.4	723.3
150°	474.6	494.3	517.0	539.8	563.7	588.5	614.5	639.4	663.2	683.9	702.5
152.5°	482.1	500.1	520.4	541.5	562.0	584.4	607.8	630.2	650.7	669.8	685.1
155°	492.2	507.7	525.3	543.0	559.5	578.2	597.9	616.5	633.1	648.6	661.1
157.5°	501.7	514.0	528.9	543.0	556.9	571.8	587.7	601.8	615.7	628.7	638.7
160°	506.7	518.1	530.5	543.0	554.4	566.8	580.2	592.7	604.0	615.5	623.8
162.5°	511.7	520.6	532.2	543.0	551.9	561.8	573.6	583.5	593.3	602.3	609.7
165°	517.0	523.3	532.6	540.9	547.1	554.4	562.7	571.0	577.1	584.4	589.6
167.5°	520.8	525.6	532.4	538.4	542.2	546.9	552.7	558.7	563.5	569.3	572.4
170°	523.3	526.4	531.5	536.7	538.8	541.9	546.1	551.3	554.4	558.5	561.6
172.5°	525.0	527.2	530.7	535.1	535.5	536.9	540.3	544.6	546.9	549.4	551.6
175°	527.4	527.4	529.5	532.6	531.5	531.5	533.6	535.7	536.7	538.8	538.8
177.5°	527.4	527.4	528.2	529.9	528.2	528.2	529.1	529.9	530.7	530.7	531.5
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332618-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1090.9	1090.2	1087.5	1087.2	1087.5	1090.2	1090.9	1091.7	1092.9	1096.6	1092.1
5°	1007.8	1005.4	1004.0	1009.2	1004.0	1005.4	1007.8	1010.6	1015.4	1015.8	1020.6
7.5°	945.0	943.2	939.0	937.7	939.0	943.2	945.0	946.8	951.5	955.6	962.6
10°	904.8	902.9	899.2	898.2	899.2	902.9	904.8	909.6	914.4	919.5	924.3
12.5°	866.1	862.4	861.6	862.6	861.6	862.4	866.1	872.4	884.8	884.7	885.6
15°	814.8	812.9	807.6	809.0	807.6	812.9	814.8	820.9	826.6	833.7	840.8
17.5°	764.1	761.8	755.5	761.1	755.5	761.8	764.1	767.4	774.7	784.8	795.5
20°	732.3	728.4	725.1	724.6	725.1	728.4	732.3	735.6	743.6	752.2	760.2
22.5°	701.9	698.5	698.2	695.1	698.2	698.5	701.9	707.1	715.2	719.9	727.5
25°	664.0	660.7	659.7	657.3	659.7	660.7	664.0	667.7	673.0	676.7	685.3
27.5°	634.8	633.2	631.5	632.2	631.5	633.2	634.8	635.3	637.7	642.7	647.6
30°	617.0	616.5	615.5	615.5	615.5	616.5	617.0	615.5	618.0	620.3	624.1
32.5°	602.2	602.1	602.7	602.7	602.7	602.1	602.2	600.0	600.8	601.7	603.6
35°	581.4	582.8	583.8	582.4	583.8	582.8	581.4	579.5	578.1	574.8	575.8
37.5°	562.7	564.1	565.4	567.0	565.4	564.1	562.7	558.7	555.4	552.4	549.0
40°	548.2	551.5	552.5	554.9	552.5	551.5	548.2	543.9	540.2	536.8	533.1
42.5°	534.6	538.2	540.7	541.2	540.7	538.2	534.6	530.3	524.6	520.5	515.2
45°	513.6	517.4	520.8	520.8	520.8	517.4	513.6	506.5	500.3	494.2	488.9
47.5°	491.9	497.4	500.7	501.6	500.7	497.4	491.9	484.6	476.0	468.3	460.8
50°	477.1	483.8	487.1	489.5	487.1	483.8	477.1	469.0	460.0	450.5	441.5
52.5°	462.7	469.3	473.8	475.0	473.8	469.3	462.7	452.7	441.8	431.6	423.7
55°	437.7	447.2	452.5	454.3	452.5	447.2	437.7	426.9	416.4	403.6	392.2
57.5°	414.2	422.9	429.0	430.4	429.0	422.9	414.2	401.4	387.9	374.3	362.1
60°	396.0	405.5	413.0	414.5	413.0	405.5	396.0	383.2	369.0	355.7	340.5
62.5°	377.4	387.3	394.1	397.8	394.1	387.3	377.4	363.8	348.5	333.7	318.5
65°	345.3	355.2	361.9	363.3	361.9	355.2	345.3	332.0	315.8	300.2	287.4
67.5°	310.1	320.1	324.5	327.3	324.5	320.1	310.1	297.7	281.7	265.5	250.9
70°	285.5	293.6	298.3	300.7	298.3	293.6	285.5	272.2	259.0	242.4	226.7
72.5°	257.4	265.8	271.3	271.8	271.3	265.8	257.4	246.0	232.0	216.5	202.8
75°	214.4	221.9	224.8	224.8	224.8	221.9	214.4	203.5	192.1	179.8	165.9
77.5°	169.7	173.6	177.2	177.9	177.2	173.6	169.7	161.8	152.4	140.1	129.7
80°	140.9	143.2	146.1	146.1	146.1	143.2	140.9	133.8	124.8	114.3	106.2
82.5°	111.3	113.2	116.1	115.7	116.1	113.2	111.3	105.7	98.2	91.1	83.8
85°	67.3	71.6	71.2	70.2	71.2	71.6	67.3	68.3	61.2	56.4	49.8
87.5°	34.7	35.3	36.2	37.0	36.2	35.3	34.7	33.3	30.0	27.8	26.1
90°	21.8	22.8	21.8	21.8	21.8	22.8	21.8	20.7	20.7	19.7	18.6
92.5°	88.9	83.3	79.8	79.8	79.8	83.3	88.9	101.1	121.9	153.1	203.5
95°	317.1	285.0	266.3	252.8	266.3	285.0	317.1	367.8	468.3	607.2	767.8
97.5°	790.8	728.4	697.3	675.8	697.3	728.4	790.8	865.2	973.4	1074.7	1134.4
100°	1052.8	989.5	958.5	950.2	958.5	989.5	1052.8	1142.9	1219.6	1270.3	1249.6
102.5°	1274.1	1228.2	1195.5	1188.9	1195.5	1228.2	1274.1	1329.4	1361.3	1346.6	1243.8
105°	1486.9	1478.6	1464.1	1457.9	1464.1	1478.6	1486.9	1484.8	1442.3	1339.8	1160.5
107.5°	1521.1	1544.7	1555.1	1557.8	1555.1	1544.7	1521.1	1469.9	1377.5	1233.1	1042.1
110°	1487.9	1531.4	1550.2	1559.4	1550.2	1531.4	1487.9	1414.3	1300.4	1150.1	970.9



TEST NUMBER: P332618-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1416.7	1469.3	1495.4	1510.6	1495.4	1469.3	1416.7	1333.1	1219.1	1077.2	918.6
115°	1296.3	1358.4	1391.6	1399.9	1391.6	1358.4	1296.3	1214.4	1114.9	993.7	866.2
117.5°	1195.5	1247.8	1281.3	1287.7	1281.3	1247.8	1195.5	1125.7	1041.3	946.0	840.5
120°	1140.9	1186.4	1213.4	1224.8	1213.4	1186.4	1140.9	1081.7	1008.2	925.3	828.9
122.5°	1101.9	1140.9	1163.6	1175.0	1163.6	1140.9	1101.9	1052.0	987.5	912.0	818.9
125°	1061.0	1091.1	1110.8	1117.0	1110.8	1091.1	1061.0	1019.6	962.6	891.1	802.0
127.5°	1033.5	1060.2	1076.8	1083.0	1076.8	1060.2	1033.5	991.8	937.7	866.5	781.2
130°	1014.4	1040.3	1056.9	1063.1	1056.9	1040.3	1014.4	972.0	917.0	846.6	764.7
132.5°	989.5	1018.8	1034.5	1040.7	1034.5	1018.8	989.5	947.9	893.0	824.2	747.3
135°	947.1	976.1	992.7	998.9	992.7	976.1	947.1	905.6	853.8	790.6	723.3
137.5°	897.3	926.0	939.6	947.1	939.6	926.0	897.3	858.5	811.7	758.5	701.5
140°	864.2	887.0	901.4	909.7	901.4	887.0	864.2	827.9	784.3	737.7	689.0
142.5°	830.2	851.3	864.2	870.0	864.2	851.3	830.2	798.1	760.4	720.3	677.4
145°	782.3	800.0	810.3	815.5	810.3	800.0	782.3	756.4	727.4	696.3	661.1
147.5°	742.3	757.4	765.4	767.1	765.4	757.4	742.3	723.3	700.4	675.6	647.6
150°	719.1	732.5	738.8	739.9	738.8	732.5	719.1	702.5	683.9	663.2	639.4
152.5°	699.2	710.2	713.9	715.0	713.9	710.2	699.2	685.1	669.8	650.7	630.2
155°	671.5	679.8	682.9	682.9	682.9	679.8	671.5	661.1	648.6	633.1	616.5
157.5°	646.6	652.8	654.7	654.7	654.7	652.8	646.6	638.7	628.7	615.7	601.8
160°	630.0	636.2	637.2	637.2	637.2	636.2	630.0	623.8	615.5	604.0	592.7
162.5°	614.2	620.5	621.5	620.6	621.5	620.5	614.2	609.7	602.3	593.3	583.5
165°	593.7	597.9	596.8	595.8	596.8	597.9	593.7	589.6	584.4	577.1	571.0
167.5°	574.4	577.1	576.9	576.1	576.9	577.1	574.4	572.4	569.3	563.5	558.7
170°	563.7	564.7	563.7	563.7	563.7	564.7	563.7	561.6	558.5	554.4	551.3
172.5°	552.9	553.9	552.9	551.3	552.9	553.9	552.9	551.6	549.4	546.9	544.6
175°	538.8	540.9	538.8	536.7	538.8	540.9	538.8	538.8	538.8	536.7	535.7
177.5°	530.7	531.5	529.9	528.2	529.9	531.5	530.7	531.5	530.7	530.7	529.9
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332618-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1094.4	1095.9	1102.0	1107.7	1114.5	1119.5	1122.8	1126.6	1134.6	1141.0	1147.1
5°	1025.3	1027.7	1040.0	1048.6	1063.3	1076.0	1086.0	1096.9	1109.7	1127.3	1143.4
7.5°	964.6	973.3	986.8	1000.7	1015.7	1032.4	1047.0	1063.5	1085.6	1109.6	1134.5
10°	930.0	940.0	954.2	970.3	984.5	1004.0	1022.0	1041.4	1066.6	1096.0	1125.4
12.5°	895.5	911.9	922.7	941.8	957.3	973.2	992.4	1017.9	1047.2	1078.2	1113.7
15°	852.2	861.2	882.1	892.5	914.4	939.0	958.0	983.6	1012.0	1052.8	1092.7
17.5°	802.4	814.2	830.8	850.7	875.7	895.0	918.6	944.9	980.8	1021.4	1071.2
20°	769.7	779.6	800.0	821.9	848.5	868.8	893.9	919.5	956.5	999.7	1051.9
22.5°	740.5	750.1	771.6	791.9	817.7	842.7	868.9	898.7	934.2	979.6	1032.9
25°	695.3	708.0	727.0	747.9	772.6	801.0	829.5	856.0	893.9	941.8	998.8
27.5°	655.1	665.4	679.1	702.8	730.8	758.3	786.6	819.9	856.4	907.0	966.2
30°	629.3	638.8	652.6	674.4	700.4	729.9	759.3	791.5	829.5	879.8	940.0
32.5°	608.9	616.1	628.3	647.8	671.6	702.6	731.6	765.0	804.8	854.3	913.0
35°	578.5	584.8	589.5	608.0	629.3	657.8	687.2	722.7	761.2	808.2	866.9
37.5°	548.8	551.0	557.9	570.1	590.8	616.9	644.2	679.2	718.5	766.2	819.3
40°	530.7	531.6	535.9	547.2	565.3	590.0	616.5	651.1	688.6	733.7	786.3
42.5°	512.8	512.3	516.2	524.1	541.0	563.4	589.6	621.2	658.6	700.3	749.8
45°	484.6	484.6	483.8	490.4	504.1	525.9	547.8	578.1	609.4	650.2	692.0
47.5°	455.3	452.6	453.4	456.9	468.4	486.4	508.4	533.2	560.9	595.4	632.0
50°	436.3	432.5	431.1	434.9	445.3	460.9	481.8	503.6	529.8	560.1	591.4
52.5°	415.4	411.6	409.1	411.7	421.4	436.0	454.9	474.0	497.5	522.2	549.3
55°	383.2	378.9	377.5	378.4	385.6	396.9	413.0	430.6	448.2	468.6	487.5
57.5°	351.4	344.4	343.0	342.6	347.5	357.9	371.4	386.6	399.4	411.7	431.9
60°	330.6	322.0	319.1	318.7	322.5	331.0	343.4	358.6	367.6	376.0	393.6
62.5°	308.2	300.0	293.7	294.4	297.8	305.9	316.8	327.8	333.8	343.0	354.9
65°	273.7	263.2	258.5	257.1	259.0	265.6	274.1	281.2	287.8	291.7	303.0
67.5°	239.2	230.4	223.4	221.7	220.8	225.3	232.4	236.7	241.4	244.7	251.5
70°	214.8	207.2	198.7	195.8	195.4	199.2	205.8	206.3	212.9	214.4	221.5
72.5°	190.9	181.5	175.6	172.7	170.8	174.2	178.5	179.8	183.3	185.9	189.6
75°	153.6	146.5	140.9	136.6	135.2	137.1	137.1	139.5	141.8	143.2	147.5
77.5°	120.9	112.8	106.0	103.6	101.8	100.7	101.7	103.1	101.9	104.4	105.4
80°	98.2	89.6	84.4	83.5	80.6	78.3	77.8	79.2	77.3	78.3	81.1
82.5°	75.8	70.3	64.6	63.8	60.1	58.9	58.4	57.6	57.6	57.4	58.0
85°	45.0	41.7	37.9	35.6	34.2	31.7	31.7	30.9	29.9	28.9	29.4
87.5°	21.8	21.2	18.9	17.3	16.6	13.8	13.8	12.5	11.9	10.9	10.1
90°	17.7	18.6	16.6	14.5	14.5	8.3	8.3	7.2	6.2	3.1	1.1
92.5°	273.8	328.7	287.7	209.3	128.9	76.2	54.8	39.6	26.9	17.2	11.8
95°	868.3	844.5	637.2	389.6	219.6	129.6	86.0	61.2	47.7	37.3	34.2
97.5°	1090.9	889.5	596.4	350.3	209.9	140.5	104.1	82.7	70.3	61.3	61.3
100°	1098.3	833.0	540.9	329.5	212.4	151.3	118.2	98.4	86.0	78.7	78.7
102.5°	1036.2	762.6	503.5	323.7	220.7	165.4	133.8	115.0	103.4	97.0	95.3
105°	923.2	679.8	471.4	326.4	240.4	190.6	160.6	142.0	129.6	124.3	121.3
107.5°	832.1	633.3	465.7	341.7	263.4	217.8	188.2	170.3	157.1	151.9	149.8
110°	786.5	617.6	467.3	353.3	280.8	235.2	207.2	188.6	176.1	170.9	168.9



TEST NUMBER: P332618-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	760.7	610.1	472.3	365.8	297.4	253.4	225.5	206.8	195.2	189.2	187.2
115°	736.7	606.2	481.8	385.5	323.2	281.9	253.9	234.2	223.8	216.6	213.5
117.5°	725.9	605.1	492.0	405.6	348.4	309.0	280.0	261.5	250.1	243.7	240.8
120°	720.1	605.1	499.4	419.6	365.8	326.4	297.4	279.7	268.4	261.1	259.0
122.5°	713.5	604.3	506.9	432.9	382.4	343.0	314.8	295.5	285.0	277.7	275.6
125°	702.5	603.1	518.1	452.8	405.1	367.8	338.9	319.1	307.7	301.5	297.4
127.5°	687.8	600.7	527.0	470.0	426.2	390.2	361.0	340.5	327.4	319.9	316.6
130°	678.7	599.9	533.6	480.8	440.4	405.1	375.1	355.4	339.8	331.5	327.4
132.5°	670.4	599.1	539.4	491.6	452.0	416.8	388.3	367.0	352.3	341.5	338.2
135°	658.0	597.9	548.1	505.7	468.3	434.2	407.2	385.5	367.8	357.5	353.3
137.5°	647.2	597.6	553.3	515.6	480.8	448.9	423.2	400.6	383.8	372.4	368.5
140°	641.4	596.8	557.5	522.2	489.1	458.0	433.1	411.3	393.8	382.4	379.2
142.5°	636.4	596.8	560.8	527.2	496.5	466.3	442.2	421.3	404.5	394.0	390.8
145°	627.9	594.8	562.7	532.6	504.6	477.7	454.9	435.2	420.7	410.4	407.2
147.5°	620.3	591.0	563.7	537.3	512.9	487.6	467.1	450.8	435.8	426.7	425.6
150°	614.5	588.5	563.7	539.8	517.0	494.3	474.6	459.1	446.6	438.3	437.3
152.5°	607.8	584.4	562.0	541.5	520.4	500.1	482.1	468.1	456.6	448.3	448.0
155°	597.9	578.2	559.5	543.0	525.3	507.7	492.2	480.8	470.4	464.2	463.2
157.5°	587.7	571.8	556.9	543.0	528.9	514.0	501.7	491.8	483.7	477.9	477.9
160°	580.2	566.8	554.4	543.0	530.5	518.1	506.7	498.4	491.2	487.0	487.0
162.5°	573.6	561.8	551.9	543.0	532.2	520.6	511.7	504.2	497.8	494.5	495.3
165°	562.7	554.4	547.1	540.9	532.6	523.3	517.0	511.8	506.7	504.6	504.6
167.5°	552.7	546.9	542.2	538.4	532.4	525.6	520.8	517.9	514.0	512.9	514.0
170°	546.1	541.9	538.8	536.7	531.5	526.4	523.3	521.2	518.1	517.0	518.1
172.5°	540.3	536.9	535.5	535.1	530.7	527.2	525.0	523.7	521.4	521.2	522.2
175°	533.6	531.5	531.5	532.6	529.5	527.4	527.4	526.4	525.3	525.3	526.4
177.5°	529.1	528.2	528.2	529.9	528.2	527.4	527.4	527.4	526.6	527.4	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



TEST NUMBER: P332618-940

CATALOG NUMBER: SA4XXDIP-C795D1205U940-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1152.4	1156.2	1161.2	1169.5	1172.5	1176.3	1181.6	1181.2	1182.8	1188.5	1200.6
5°	1156.7	1171.4	1185.6	1202.7	1220.8	1232.5	1248.7	1258.6	1268.6	1281.4	1303.2
7.5°	1158.4	1181.7	1207.8	1237.8	1264.4	1295.2	1319.2	1341.8	1362.1	1389.2	1415.1
10°	1155.7	1187.0	1220.8	1258.6	1299.0	1333.1	1364.0	1399.0	1428.9	1461.6	1491.0
12.5°	1150.8	1188.6	1233.6	1276.1	1323.2	1373.7	1412.1	1447.6	1487.4	1525.0	1570.3
15°	1139.6	1191.3	1243.9	1299.9	1363.0	1421.3	1476.8	1522.8	1565.5	1621.9	1681.2
17.5°	1125.4	1181.2	1247.6	1315.3	1381.2	1447.9	1516.5	1585.7	1639.6	1709.7	1756.0
20°	1112.1	1176.6	1244.9	1325.5	1391.4	1474.4	1542.7	1609.6	1683.6	1753.3	1808.7
22.5°	1093.5	1164.1	1236.5	1316.8	1403.6	1486.6	1565.5	1638.1	1712.0	1787.8	1855.0
25°	1069.9	1133.9	1219.8	1310.8	1397.1	1487.2	1577.8	1668.8	1748.6	1828.7	1891.3
27.5°	1029.7	1110.5	1190.4	1284.4	1380.4	1482.3	1579.1	1674.5	1757.9	1823.8	1862.6
30°	1009.2	1079.4	1166.2	1260.5	1364.4	1474.0	1574.9	1668.4	1746.1	1798.8	1814.5
32.5°	978.8	1051.3	1136.2	1233.9	1343.9	1456.5	1561.7	1649.8	1714.7	1742.3	1723.4
35°	933.8	999.3	1085.0	1185.2	1299.4	1419.4	1523.3	1597.8	1630.9	1604.8	1539.9
37.5°	879.8	944.6	1030.8	1129.1	1247.3	1369.3	1463.2	1516.8	1505.8	1440.9	1344.1
40°	841.8	902.5	984.5	1090.7	1206.0	1328.4	1410.9	1439.8	1409.4	1316.5	1213.6
42.5°	799.7	858.9	941.3	1043.7	1165.8	1278.6	1350.6	1352.9	1302.1	1191.0	1087.6
45°	735.6	792.0	869.8	976.5	1089.3	1195.6	1243.0	1219.8	1125.9	1018.7	914.8
47.5°	672.3	721.2	797.9	899.2	1006.4	1095.8	1119.3	1077.5	977.4	873.3	777.1
50°	626.0	675.3	747.4	844.2	947.5	1024.8	1036.3	980.7	882.6	777.8	702.4
52.5°	581.6	630.5	700.0	789.5	884.2	953.9	954.3	890.1	792.3	698.8	628.7
55°	516.5	560.5	623.1	703.3	787.7	842.2	829.0	762.6	677.7	596.6	535.4
57.5°	453.7	492.0	549.7	616.6	691.0	735.9	713.9	650.0	574.2	505.4	459.1
60°	413.0	449.6	498.9	562.0	624.6	659.7	638.8	580.9	511.2	455.8	415.4
62.5°	373.6	404.5	451.8	506.6	564.6	590.7	572.0	515.0	454.7	404.6	371.8
65°	317.7	342.9	380.8	427.8	470.0	492.2	476.6	423.5	377.5	341.4	315.4
67.5°	265.6	285.2	314.0	351.6	387.4	399.5	385.3	348.3	309.3	280.4	262.1
70°	229.5	248.1	272.2	301.1	332.4	345.3	331.0	301.6	269.8	243.3	225.2
72.5°	198.0	212.4	232.7	257.5	282.0	294.8	285.1	256.8	230.0	210.3	194.9
75°	150.8	163.2	177.4	194.9	213.9	222.4	213.9	194.5	175.9	161.2	150.3
77.5°	109.7	116.3	127.2	140.4	152.2	158.8	151.4	138.2	126.9	116.8	111.5
80°	83.5	88.2	95.8	106.2	114.3	120.5	115.7	104.8	95.8	89.2	86.8
82.5°	60.7	63.9	68.8	76.6	82.0	85.2	83.1	75.2	71.5	65.6	63.2
85°	29.9	31.7	35.1	37.5	42.2	42.7	43.2	39.9	36.6	35.1	33.2
87.5°	10.9	11.9	13.2	14.5	16.1	17.7	17.3	17.7	16.6	16.1	14.7
90°	3.1	6.2	7.2	8.3	8.3	14.5	14.5	16.6	18.6	17.7	18.6
92.5°	17.2	26.9	39.6	54.8	76.2	128.9	209.3	287.7	328.7	273.8	203.5
95°	37.3	47.7	61.2	86.0	129.6	219.6	389.6	637.2	844.5	868.3	767.8
97.5°	61.3	70.3	82.7	104.1	140.5	209.9	350.3	596.4	889.5	1090.9	1134.4
100°	78.7	86.0	98.4	118.2	151.3	212.4	329.5	540.9	833.0	1098.3	1249.6
102.5°	97.0	103.4	115.0	133.8	165.4	220.7	323.7	503.5	762.6	1036.2	1243.8
105°	124.3	129.6	142.0	160.6	190.6	240.4	326.4	471.4	679.8	923.2	1160.5
107.5°	151.9	157.1	170.3	188.2	217.8	263.4	341.7	465.7	633.3	832.1	1042.1
110°	170.9	176.1	188.6	207.2	235.2	280.8	353.3	467.3	617.6	786.5	970.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	189.2	195.2	206.8	225.5	253.4	297.4	365.8	472.3	610.1	760.7	918.6
115°	216.6	223.8	234.2	253.9	281.9	323.2	385.5	481.8	606.2	736.7	866.2
117.5°	243.7	250.1	261.5	280.0	309.0	348.4	405.6	492.0	605.1	725.9	840.5
120°	261.1	268.4	279.7	297.4	326.4	365.8	419.6	499.4	605.1	720.1	828.9
122.5°	277.7	285.0	295.5	314.8	343.0	382.4	432.9	506.9	604.3	713.5	818.9
125°	301.5	307.7	319.1	338.9	367.8	405.1	452.8	518.1	603.1	702.5	802.0
127.5°	319.9	327.4	340.5	361.0	390.2	426.2	470.0	527.0	600.7	687.8	781.2
130°	331.5	339.8	355.4	375.1	405.1	440.4	480.8	533.6	599.9	678.7	764.7
132.5°	341.5	352.3	367.0	388.3	416.8	452.0	491.6	539.4	599.1	670.4	747.3
135°	357.5	367.8	385.5	407.2	434.2	468.3	505.7	548.1	597.9	658.0	723.3
137.5°	372.4	383.8	400.6	423.2	448.9	480.8	515.6	553.3	597.6	647.2	701.5
140°	382.4	393.8	411.3	433.1	458.0	489.1	522.2	557.5	596.8	641.4	689.0
142.5°	394.0	404.5	421.3	442.2	466.3	496.5	527.2	560.8	596.8	636.4	677.4
145°	410.4	420.7	435.2	454.9	477.7	504.6	532.6	562.7	594.8	627.9	661.1
147.5°	426.7	435.8	450.8	467.1	487.6	512.9	537.3	563.7	591.0	620.3	647.6
150°	438.3	446.6	459.1	474.6	494.3	517.0	539.8	563.7	588.5	614.5	639.4
152.5°	448.3	456.6	468.1	482.1	500.1	520.4	541.5	562.0	584.4	607.8	630.2
155°	464.2	470.4	480.8	492.2	507.7	525.3	543.0	559.5	578.2	597.9	616.5
157.5°	477.9	483.7	491.8	501.7	514.0	528.9	543.0	556.9	571.8	587.7	601.8
160°	487.0	491.2	498.4	506.7	518.1	530.5	543.0	554.4	566.8	580.2	592.7
162.5°	494.5	497.8	504.2	511.7	520.6	532.2	543.0	551.9	561.8	573.6	583.5
165°	504.6	506.7	511.8	517.0	523.3	532.6	540.9	547.1	554.4	562.7	571.0
167.5°	512.9	514.0	517.9	520.8	525.6	532.4	538.4	542.2	546.9	552.7	558.7
170°	517.0	518.1	521.2	523.3	526.4	531.5	536.7	538.8	541.9	546.1	551.3
172.5°	521.2	521.4	523.7	525.0	527.2	530.7	535.1	535.5	536.9	540.3	544.6
175°	525.3	525.3	526.4	527.4	527.4	529.5	532.6	531.5	531.5	533.6	535.7
177.5°	527.4	526.6	527.4	527.4	527.4	528.2	529.9	528.2	528.2	529.1	529.9
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4	527.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9	1144.9
2.5°	1206.7	1207.5	1210.9	1213.5	1214.2	1218.1	1218.4
5°	1312.7	1320.8	1336.4	1337.8	1340.2	1352.5	1343.1
7.5°	1437.0	1457.4	1471.1	1483.2	1487.6	1492.9	1491.8
10°	1516.6	1547.0	1562.2	1586.4	1587.3	1593.5	1589.7
12.5°	1596.7	1632.0	1659.7	1664.1	1684.4	1687.6	1692.9
15°	1710.1	1747.6	1786.0	1799.7	1827.7	1834.4	1844.9
17.5°	1816.8	1855.0	1882.0	1917.5	1929.0	1944.4	1933.9
20°	1875.2	1916.9	1951.1	1979.1	1990.9	1999.4	1998.5
22.5°	1910.5	1952.6	1980.2	2001.4	2012.5	2016.2	2015.9
25°	1932.5	1956.8	1965.2	1973.4	1961.1	1956.8	1958.6
27.5°	1871.1	1864.8	1842.5	1813.3	1783.0	1758.9	1745.8
30°	1786.5	1749.5	1715.8	1657.0	1626.7	1608.6	1592.5
32.5°	1666.6	1608.0	1543.2	1489.3	1454.8	1428.1	1424.1
35°	1461.2	1373.0	1293.8	1227.8	1193.6	1164.8	1158.1
37.5°	1242.2	1150.6	1079.3	1021.3	984.5	964.1	945.0
40°	1096.9	1018.2	948.0	898.7	870.8	856.0	844.2
42.5°	985.0	913.1	843.3	805.7	780.4	771.4	764.5
45°	830.4	763.6	715.2	686.7	672.0	656.8	649.7
47.5°	706.6	652.2	620.3	596.1	580.4	571.4	566.9
50°	636.4	591.8	563.4	544.9	530.7	523.5	519.8
52.5°	574.2	537.6	513.7	499.0	489.4	484.1	482.6
55°	494.6	466.6	451.5	438.7	431.6	426.9	424.9
57.5°	430.0	408.4	396.1	385.6	382.8	378.8	377.5
60°	387.4	370.9	360.4	353.3	351.0	346.2	347.1
62.5°	349.9	336.4	327.4	323.3	320.2	316.2	317.5
65°	296.0	286.0	281.2	277.4	273.7	271.3	273.1
67.5°	248.3	241.5	235.1	232.8	231.0	230.6	228.5
70°	217.2	211.5	205.8	204.4	204.4	202.5	202.1
72.5°	187.3	183.1	179.2	178.3	176.7	177.5	175.5
75°	144.6	141.3	139.9	138.5	138.0	138.0	136.6
77.5°	106.9	104.4	102.2	102.2	100.4	99.8	99.6
80°	81.1	80.2	78.3	78.3	77.3	77.8	76.9
82.5°	61.0	59.7	59.3	58.5	57.2	57.2	56.4
85°	32.7	31.3	30.9	29.4	28.4	29.4	28.4
87.5°	15.3	15.2	14.8	14.2	14.0	13.8	12.7
90°	19.7	20.7	20.7	21.8	22.8	21.8	21.8
92.5°	153.1	121.9	101.1	88.9	83.3	79.8	79.8
95°	607.2	468.3	367.8	317.1	285.0	266.3	252.8
97.5°	1074.7	973.4	865.2	790.8	728.4	697.3	675.8
100°	1270.3	1219.6	1142.9	1052.8	989.5	958.5	950.2
102.5°	1346.6	1361.3	1329.4	1274.1	1228.2	1195.5	1188.9
105°	1339.8	1442.3	1484.8	1486.9	1478.6	1464.1	1457.9
107.5°	1233.1	1377.5	1469.9	1521.1	1544.7	1555.1	1557.8
110°	1150.1	1300.4	1414.3	1487.9	1531.4	1550.2	1559.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1077.2	1219.1	1333.1	1416.7	1469.3	1495.4	1510.6
115°	993.7	1114.9	1214.4	1296.3	1358.4	1391.6	1399.9
117.5°	946.0	1041.3	1125.7	1195.5	1247.8	1281.3	1287.7
120°	925.3	1008.2	1081.7	1140.9	1186.4	1213.4	1224.8
122.5°	912.0	987.5	1052.0	1101.9	1140.9	1163.6	1175.0
125°	891.1	962.6	1019.6	1061.0	1091.1	1110.8	1117.0
127.5°	866.5	937.7	991.8	1033.5	1060.2	1076.8	1083.0
130°	846.6	917.0	972.0	1014.4	1040.3	1056.9	1063.1
132.5°	824.2	893.0	947.9	989.5	1018.8	1034.5	1040.7
135°	790.6	853.8	905.6	947.1	976.1	992.7	998.9
137.5°	758.5	811.7	858.5	897.3	926.0	939.6	947.1
140°	737.7	784.3	827.9	864.2	887.0	901.4	909.7
142.5°	720.3	760.4	798.1	830.2	851.3	864.2	870.0
145°	696.3	727.4	756.4	782.3	800.0	810.3	815.5
147.5°	675.6	700.4	723.3	742.3	757.4	765.4	767.1
150°	663.2	683.9	702.5	719.1	732.5	738.8	739.9
152.5°	650.7	669.8	685.1	699.2	710.2	713.9	715.0
155°	633.1	648.6	661.1	671.5	679.8	682.9	682.9
157.5°	615.7	628.7	638.7	646.6	652.8	654.7	654.7
160°	604.0	615.5	623.8	630.0	636.2	637.2	637.2
162.5°	593.3	602.3	609.7	614.2	620.5	621.5	620.6
165°	577.1	584.4	589.6	593.7	597.9	596.8	595.8
167.5°	563.5	569.3	572.4	574.4	577.1	576.9	576.1
170°	554.4	558.5	561.6	563.7	564.7	563.7	563.7
172.5°	546.9	549.4	551.6	552.9	553.9	552.9	551.3
175°	536.7	538.8	538.8	538.8	540.9	538.8	536.7
177.5°	530.7	530.7	531.5	530.7	531.5	529.9	528.2
180°	527.4	527.4	527.4	527.4	527.4	527.4	527.4

(END OF REPORT)