

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: P332609-940

Luminaire Tested: **S124DIP-S795D1035U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332609-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S124DIP-S795D1035U940-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6456.6 lumens  
Efficiency: N/A  
Efficacy: 124.2 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

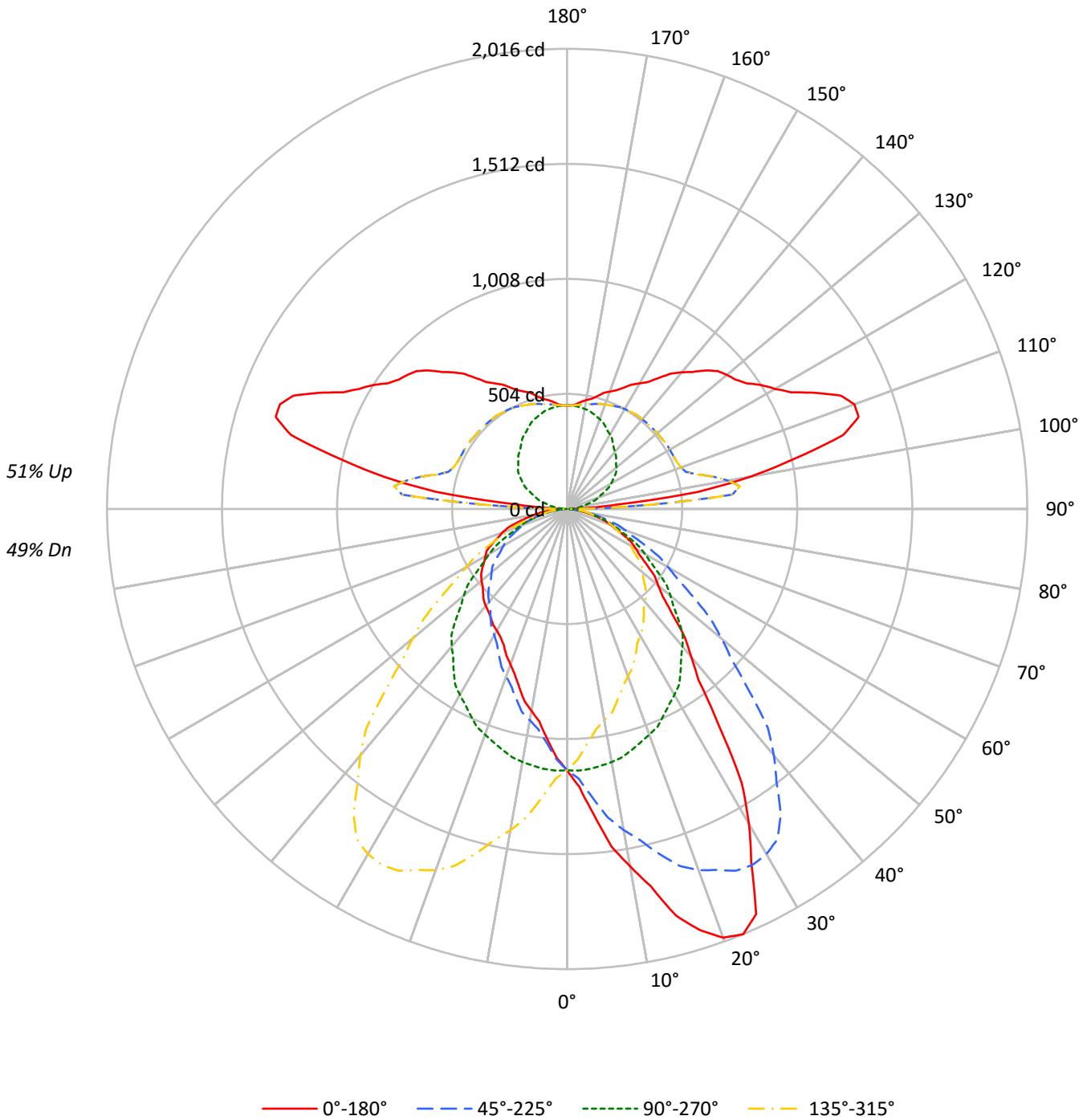
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49				
1	98	94	90	86	90	86	83	80	73	71	68	60	59	57	49	48	47	42				
2	89	82	76	71	82	76	71	66	64	60	57	53	51	48	43	42	40	35				
3	81	72	65	59	75	67	61	55	57	52	48	47	44	41	39	36	34	30				
4	75	64	56	50	69	59	53	47	51	45	41	42	38	35	35	32	30	26				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23				
6	63	51	43	38	58	48	41	35	41	35	31	34	30	27	29	25	23	20				
7	58	46	38	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18				
8	54	42	34	29	50	39	32	28	34	28	24	29	25	21	24	21	18	16				
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14				
10	47	35	28	23	44	33	27	22	29	23	20	24	20	17	21	17	15	13				

**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	1.7
10°-20°	343.8	5.3
20°-30°	545.1	8.4
30°-40°	606.7	9.4
40°-50°	552.2	8.6
50°-60°	451.3	7.0
60°-70°	322.2	5.0
70°-80°	177.4	2.7
80°-90°	50.9	0.8
90°-100°	327.3	5.1
100°-110°	681.1	10.5
110°-120°	610.1	9.4
120°-130°	513.2	7.9
130°-140°	427.9	6.6
140°-150°	326.9	5.1
150°-160°	229.8	3.6
160°-170°	135.2	2.1
170°-180°	44.0	0.7
0°-30°	1000.4	15.5
0°-40°	1607.1	24.9
0°-60°	2610.6	40.4
0°-90°	3161.1	49.0
90°-120°	1618.5	25.1
90°-150°	2886.5	44.7
90°-180°	3295.0	51.0
0°-180°	6456.6	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°	19	1	19	1	19	16
95°	217	29	217	29	217	337
105°	1252	104	1252	104	1252	1238
115°	1203	183	1203	183	1203	1194
125°	960	256	960	256	960	872
135°	858	304	858	304	858	662
145°	701	350	701	350	701	444
155°	587	398	587	398	587	274
165°	512	434	512	434	512	147
175°	461	452	461	452	461	45
180°	453	453	453	453	453	



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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°	12.1	13.2	13.4	13.6	14.2	14.5	14.8	14.2	15.5	16.1	17.3
90°	18.7	18.7	19.6	18.7	17.8	17.8	16.9	16.1	15.2	16.1	14.3
92.5°	68.6	68.6	71.6	76.4	86.9	104.7	131.6	174.9	235.2	282.4	247.1
95°	217.2	228.8	244.8	272.4	316.0	402.3	521.7	659.6	746.0	725.5	547.5
97.5°	580.6	599.1	625.8	679.4	743.3	836.2	923.3	974.6	937.2	764.1	512.4
100°	816.4	823.4	850.2	904.5	981.9	1047.8	1091.4	1073.6	943.6	715.7	464.7
102.5°	1021.5	1027.2	1055.3	1094.6	1142.1	1169.6	1156.9	1068.6	890.2	655.2	432.7
105°	1252.5	1257.8	1270.3	1277.5	1275.7	1239.1	1151.0	997.0	793.2	584.0	405.0
107.5°	1338.4	1336.1	1327.1	1306.8	1262.8	1183.5	1059.4	895.4	714.8	544.1	400.0
110°	1339.8	1331.8	1315.7	1278.4	1215.1	1117.2	988.1	834.1	675.6	530.6	401.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1297.7	1284.8	1262.3	1217.1	1145.3	1047.4	925.4	789.3	653.6	524.1	405.7
115°	1202.7	1195.5	1167.1	1113.7	1043.3	957.9	853.7	744.2	632.9	520.8	413.9
117.5°	1106.3	1100.8	1072.0	1027.2	967.1	894.7	812.8	722.1	623.7	519.9	422.7
120°	1052.2	1042.4	1019.3	980.1	929.3	866.2	795.0	712.1	618.7	519.9	429.1
122.5°	1009.5	999.7	980.1	946.6	903.7	848.4	783.5	703.6	613.0	519.2	435.5
125°	959.7	954.3	937.4	911.6	875.9	827.0	765.5	689.0	603.6	518.1	445.1
127.5°	930.4	925.1	910.9	887.9	852.1	805.7	744.4	671.2	590.9	516.1	452.7
130°	913.4	908.0	893.8	871.5	835.0	787.8	727.3	657.0	583.1	515.4	458.4
132.5°	894.1	888.8	875.2	850.2	814.4	767.1	708.1	642.0	576.0	514.7	463.4
135°	858.2	852.8	838.6	813.7	778.0	733.5	679.2	621.3	565.3	513.6	470.9
137.5°	813.7	807.3	795.5	770.9	737.6	697.4	651.7	602.7	556.0	513.4	475.4
140°	781.6	774.5	762.1	742.4	711.2	673.9	633.8	592.0	551.1	512.7	478.9
142.5°	747.4	742.4	731.4	713.2	685.6	653.3	618.8	582.0	546.8	512.7	481.8
145°	700.6	696.2	687.2	672.1	649.9	624.9	598.2	567.9	539.5	511.0	483.4
147.5°	659.1	657.5	650.8	637.8	621.3	601.8	580.4	556.3	532.9	507.7	484.3
150°	635.6	634.7	629.4	617.8	603.6	587.5	569.7	549.3	527.9	505.6	484.3
152.5°	614.2	613.3	610.1	600.7	588.6	575.4	559.0	541.4	522.2	502.0	482.9
155°	586.7	586.7	584.0	576.8	567.9	557.2	543.9	529.7	513.6	496.8	480.7
157.5°	562.4	562.4	560.8	555.4	548.8	540.2	529.0	517.0	504.9	491.2	478.4
160°	547.5	547.5	546.6	541.3	535.9	528.8	519.0	509.2	498.6	487.0	476.3
162.5°	533.2	534.0	533.1	527.7	523.8	517.4	509.7	501.3	492.8	482.7	474.1
165°	511.8	512.7	513.6	510.1	506.5	502.0	495.9	490.5	483.4	476.3	470.0
167.5°	495.0	495.7	495.9	493.6	491.8	489.1	484.1	480.0	474.8	469.8	465.7
170°	484.3	484.3	485.2	484.3	482.5	479.8	476.3	473.6	469.1	465.6	462.9
172.5°	473.6	475.0	475.9	475.0	473.9	472.0	469.8	467.9	464.1	461.3	460.0
175°	461.1	462.9	464.7	462.9	462.9	462.9	461.1	460.2	458.4	456.6	456.6
177.5°	453.8	455.2	456.6	455.9	456.6	455.9	455.9	455.2	454.5	453.8	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



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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°	16.9	17.3	15.9	14.4	13.0	11.7	10.8	10.1	10.8	11.7	12.2
90°	12.5	12.5	7.1	7.1	6.2	5.4	2.7	0.9	2.7	5.4	6.2
92.5°	179.9	110.8	65.5	47.0	34.0	23.2	14.8	10.2	14.8	23.2	34.0
95°	334.7	188.7	111.3	73.9	52.5	40.9	32.0	29.3	32.0	40.9	52.5
97.5°	300.9	180.4	120.7	89.3	71.1	60.4	52.7	52.7	52.7	60.4	71.1
100°	283.1	182.5	130.0	101.5	84.5	73.9	67.7	67.7	67.7	73.9	84.5
102.5°	278.1	189.6	142.0	115.0	98.8	88.8	83.3	81.9	83.3	88.8	98.8
105°	280.4	206.5	163.8	137.9	122.0	111.3	106.8	104.2	106.8	111.3	122.0
107.5°	293.6	226.3	187.1	161.7	146.3	134.9	130.5	128.8	130.5	134.9	146.3
110°	303.5	241.2	202.1	178.1	162.0	151.3	146.9	145.1	146.9	151.3	162.0





TEST NUMBER: P332609-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.2	255.5	217.8	193.7	177.7	167.7	162.6	160.8	162.6	167.7	177.7
115°	331.2	277.8	242.1	218.1	201.2	192.3	186.0	183.4	186.0	192.3	201.2
117.5°	348.4	299.3	265.5	240.5	224.7	214.9	209.4	206.9	209.4	214.9	224.7
120°	360.5	314.2	280.4	255.5	240.3	230.6	224.4	222.6	224.4	230.6	240.3
122.5°	371.9	328.5	294.6	270.5	253.9	244.8	238.5	236.8	238.5	244.8	253.9
125°	389.1	348.0	316.0	291.1	274.2	264.4	259.0	255.5	259.0	264.4	274.2
127.5°	403.8	366.2	335.3	310.1	292.5	281.3	274.9	272.1	274.9	281.3	292.5
130°	413.0	378.4	348.0	322.3	305.3	291.9	284.9	281.3	284.9	291.9	305.3
132.5°	422.3	388.3	358.0	333.7	315.3	302.6	293.4	290.5	293.4	302.6	315.3
135°	434.4	402.3	373.0	349.8	331.2	316.0	307.1	303.5	307.1	316.0	331.2
137.5°	443.0	413.0	385.7	363.6	344.1	329.8	319.9	316.6	319.9	329.8	344.1
140°	448.6	420.2	393.5	372.1	353.4	338.3	328.5	325.8	328.5	338.3	353.4
142.5°	452.9	426.6	400.6	380.0	361.9	347.5	338.5	335.8	338.5	347.5	361.9
145°	457.5	433.5	410.4	390.8	373.9	361.4	352.5	349.8	352.5	361.4	373.9
147.5°	461.6	440.7	418.9	401.3	387.3	374.4	366.6	365.7	366.6	374.4	387.3
150°	463.8	444.3	424.6	407.7	394.4	383.7	376.6	375.7	376.6	383.7	394.4
152.5°	465.2	447.1	429.6	414.1	402.2	392.3	385.1	385.0	385.1	392.3	402.2
155°	466.5	451.3	436.2	422.8	413.0	404.1	398.8	397.9	398.8	404.1	413.0
157.5°	466.5	454.3	441.6	431.1	422.5	415.5	410.5	410.5	410.5	415.5	422.5
160°	466.5	455.8	445.1	435.3	428.2	422.0	418.4	418.4	418.4	422.0	428.2
162.5°	466.5	457.2	447.3	439.6	433.2	427.7	424.8	425.5	424.8	427.7	433.2
165°	464.7	457.5	449.5	444.3	439.8	435.3	433.5	433.5	433.5	435.3	439.8
167.5°	462.5	457.4	451.5	447.5	445.0	441.6	440.7	441.6	440.7	441.6	445.0
170°	461.1	456.6	452.2	449.5	447.8	445.1	444.3	445.1	444.3	445.1	447.8
172.5°	459.7	455.9	452.9	450.9	449.9	447.9	447.8	448.6	447.8	447.9	449.9
175°	457.5	454.9	453.1	453.1	452.2	451.3	451.3	452.2	451.3	451.3	452.2
177.5°	455.2	453.8	453.1	453.1	453.1	452.4	453.1	453.8	453.1	452.4	453.1
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332609-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-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°	13.6	13.6	16.1	16.9	18.4	20.7	21.2	25.6	27.3	29.3	32.8
90°	7.1	7.1	12.5	12.5	14.3	16.1	15.2	16.1	16.9	17.8	17.8
92.5°	47.0	65.5	110.8	179.9	247.1	282.4	235.2	174.9	131.6	104.7	86.9
95°	73.9	111.3	188.7	334.7	547.5	725.5	746.0	659.6	521.7	402.3	316.0
97.5°	89.3	120.7	180.4	300.9	512.4	764.1	937.2	974.6	923.3	836.2	743.3
100°	101.5	130.0	182.5	283.1	464.7	715.7	943.6	1073.6	1091.4	1047.8	981.9
102.5°	115.0	142.0	189.6	278.1	432.7	655.2	890.2	1068.6	1156.9	1169.6	1142.1
105°	137.9	163.8	206.5	280.4	405.0	584.0	793.2	997.0	1151.0	1239.1	1275.7
107.5°	161.7	187.1	226.3	293.6	400.0	544.1	714.8	895.4	1059.4	1183.5	1262.8
110°	178.1	202.1	241.2	303.5	401.4	530.6	675.6	834.1	988.1	1117.2	1215.1



TEST NUMBER: P332609-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	193.7	217.8	255.5	314.2	405.7	524.1	653.6	789.3	925.4	1047.4	1145.3
115°	218.1	242.1	277.8	331.2	413.9	520.8	632.9	744.2	853.7	957.9	1043.3
117.5°	240.5	265.5	299.3	348.4	422.7	519.9	623.7	722.1	812.8	894.7	967.1
120°	255.5	280.4	314.2	360.5	429.1	519.9	618.7	712.1	795.0	866.2	929.3
122.5°	270.5	294.6	328.5	371.9	435.5	519.2	613.0	703.6	783.5	848.4	903.7
125°	291.1	316.0	348.0	389.1	445.1	518.1	603.6	689.0	765.5	827.0	875.9
127.5°	310.1	335.3	366.2	403.8	452.7	516.1	590.9	671.2	744.4	805.7	852.1
130°	322.3	348.0	378.4	413.0	458.4	515.4	583.1	657.0	727.3	787.8	835.0
132.5°	333.7	358.0	388.3	422.3	463.4	514.7	576.0	642.0	708.1	767.1	814.4
135°	349.8	373.0	402.3	434.4	470.9	513.6	565.3	621.3	679.2	733.5	778.0
137.5°	363.6	385.7	413.0	443.0	475.4	513.4	556.0	602.7	651.7	697.4	737.6
140°	372.1	393.5	420.2	448.6	478.9	512.7	551.1	592.0	633.8	673.9	711.2
142.5°	380.0	400.6	426.6	452.9	481.8	512.7	546.8	582.0	618.8	653.3	685.6
145°	390.8	410.4	433.5	457.5	483.4	511.0	539.5	567.9	598.2	624.9	649.9
147.5°	401.3	418.9	440.7	461.6	484.3	507.7	532.9	556.3	580.4	601.8	621.3
150°	407.7	424.6	444.3	463.8	484.3	505.6	527.9	549.3	569.7	587.5	603.6
152.5°	414.1	429.6	447.1	465.2	482.9	502.0	522.2	541.4	559.0	575.4	588.6
155°	422.8	436.2	451.3	466.5	480.7	496.8	513.6	529.7	543.9	557.2	567.9
157.5°	431.1	441.6	454.3	466.5	478.4	491.2	504.9	517.0	529.0	540.2	548.8
160°	435.3	445.1	455.8	466.5	476.3	487.0	498.6	509.2	519.0	528.8	535.9
162.5°	439.6	447.3	457.2	466.5	474.1	482.7	492.8	501.3	509.7	517.4	523.8
165°	444.3	449.5	457.5	464.7	470.0	476.3	483.4	490.5	495.9	502.0	506.5
167.5°	447.5	451.5	457.4	462.5	465.7	469.8	474.8	480.0	484.1	489.1	491.8
170°	449.5	452.2	456.6	461.1	462.9	465.6	469.1	473.6	476.3	479.8	482.5
172.5°	450.9	452.9	455.9	459.7	460.0	461.3	464.1	467.9	469.8	472.0	473.9
175°	453.1	453.1	454.9	457.5	456.6	456.6	458.4	460.2	461.1	462.9	462.9
177.5°	453.1	453.1	453.8	455.2	453.8	453.8	454.5	455.2	455.9	455.9	456.6
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332609-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-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°	34.1	34.7	35.6	36.4	35.6	34.7	34.1	32.8	29.3	27.3	25.6
90°	18.7	19.6	18.7	18.7	18.7	19.6	18.7	17.8	17.8	16.9	16.1
92.5°	76.4	71.6	68.6	68.6	68.6	71.6	76.4	86.9	104.7	131.6	174.9
95°	272.4	244.8	228.8	217.2	228.8	244.8	272.4	316.0	402.3	521.7	659.6
97.5°	679.4	625.8	599.1	580.6	599.1	625.8	679.4	743.3	836.2	923.3	974.6
100°	904.5	850.2	823.4	816.4	823.4	850.2	904.5	981.9	1047.8	1091.4	1073.6
102.5°	1094.6	1055.3	1027.2	1021.5	1027.2	1055.3	1094.6	1142.1	1169.6	1156.9	1068.6
105°	1277.5	1270.3	1257.8	1252.5	1257.8	1270.3	1277.5	1275.7	1239.1	1151.0	997.0
107.5°	1306.8	1327.1	1336.1	1338.4	1336.1	1327.1	1306.8	1262.8	1183.5	1059.4	895.4
110°	1278.4	1315.7	1331.8	1339.8	1331.8	1315.7	1278.4	1215.1	1117.2	988.1	834.1



TEST NUMBER: P332609-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1217.1	1262.3	1284.8	1297.7	1284.8	1262.3	1217.1	1145.3	1047.4	925.4	789.3
115°	1113.7	1167.1	1195.5	1202.7	1195.5	1167.1	1113.7	1043.3	957.9	853.7	744.2
117.5°	1027.2	1072.0	1100.8	1106.3	1100.8	1072.0	1027.2	967.1	894.7	812.8	722.1
120°	980.1	1019.3	1042.4	1052.2	1042.4	1019.3	980.1	929.3	866.2	795.0	712.1
122.5°	946.6	980.1	999.7	1009.5	999.7	980.1	946.6	903.7	848.4	783.5	703.6
125°	911.6	937.4	954.3	959.7	954.3	937.4	911.6	875.9	827.0	765.5	689.0
127.5°	887.9	910.9	925.1	930.4	925.1	910.9	887.9	852.1	805.7	744.4	671.2
130°	871.5	893.8	908.0	913.4	908.0	893.8	871.5	835.0	787.8	727.3	657.0
132.5°	850.2	875.2	888.8	894.1	888.8	875.2	850.2	814.4	767.1	708.1	642.0
135°	813.7	838.6	852.8	858.2	852.8	838.6	813.7	778.0	733.5	679.2	621.3
137.5°	770.9	795.5	807.3	813.7	807.3	795.5	770.9	737.6	697.4	651.7	602.7
140°	742.4	762.1	774.5	781.6	774.5	762.1	742.4	711.2	673.9	633.8	592.0
142.5°	713.2	731.4	742.4	747.4	742.4	731.4	713.2	685.6	653.3	618.8	582.0
145°	672.1	687.2	696.2	700.6	696.2	687.2	672.1	649.9	624.9	598.2	567.9
147.5°	637.8	650.8	657.5	659.1	657.5	650.8	637.8	621.3	601.8	580.4	556.3
150°	617.8	629.4	634.7	635.6	634.7	629.4	617.8	603.6	587.5	569.7	549.3
152.5°	600.7	610.1	613.3	614.2	613.3	610.1	600.7	588.6	575.4	559.0	541.4
155°	576.8	584.0	586.7	586.7	586.7	584.0	576.8	567.9	557.2	543.9	529.7
157.5°	555.4	560.8	562.4	562.4	562.4	560.8	555.4	548.8	540.2	529.0	517.0
160°	541.3	546.6	547.5	547.5	547.5	546.6	541.3	535.9	528.8	519.0	509.2
162.5°	527.7	533.1	534.0	533.2	534.0	533.1	527.7	523.8	517.4	509.7	501.3
165°	510.1	513.6	512.7	511.8	512.7	513.6	510.1	506.5	502.0	495.9	490.5
167.5°	493.6	495.9	495.7	495.0	495.7	495.9	493.6	491.8	489.1	484.1	480.0
170°	484.3	485.2	484.3	484.3	484.3	485.2	484.3	482.5	479.8	476.3	473.6
172.5°	475.0	475.9	475.0	473.6	475.0	475.9	475.0	473.9	472.0	469.8	467.9
175°	462.9	464.7	462.9	461.1	462.9	464.7	462.9	462.9	462.9	461.1	460.2
177.5°	455.9	456.6	455.2	453.8	455.2	456.6	455.9	456.6	455.9	455.9	455.2
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332609-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-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°	21.2	20.7	18.4	16.9	16.1	13.6	13.6	12.2	11.7	10.8	10.1
90°	15.2	16.1	14.3	12.5	12.5	7.1	7.1	6.2	5.4	2.7	0.9
92.5°	235.2	282.4	247.1	179.9	110.8	65.5	47.0	34.0	23.2	14.8	10.2
95°	746.0	725.5	547.5	334.7	188.7	111.3	73.9	52.5	40.9	32.0	29.3
97.5°	937.2	764.1	512.4	300.9	180.4	120.7	89.3	71.1	60.4	52.7	52.7
100°	943.6	715.7	464.7	283.1	182.5	130.0	101.5	84.5	73.9	67.7	67.7
102.5°	890.2	655.2	432.7	278.1	189.6	142.0	115.0	98.8	88.8	83.3	81.9
105°	793.2	584.0	405.0	280.4	206.5	163.8	137.9	122.0	111.3	106.8	104.2
107.5°	714.8	544.1	400.0	293.6	226.3	187.1	161.7	146.3	134.9	130.5	128.8
110°	675.6	530.6	401.4	303.5	241.2	202.1	178.1	162.0	151.3	146.9	145.1



TEST NUMBER: P332609-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	653.6	524.1	405.7	314.2	255.5	217.8	193.7	177.7	167.7	162.6	160.8
115°	632.9	520.8	413.9	331.2	277.8	242.1	218.1	201.2	192.3	186.0	183.4
117.5°	623.7	519.9	422.7	348.4	299.3	265.5	240.5	224.7	214.9	209.4	206.9
120°	618.7	519.9	429.1	360.5	314.2	280.4	255.5	240.3	230.6	224.4	222.6
122.5°	613.0	519.2	435.5	371.9	328.5	294.6	270.5	253.9	244.8	238.5	236.8
125°	603.6	518.1	445.1	389.1	348.0	316.0	291.1	274.2	264.4	259.0	255.5
127.5°	590.9	516.1	452.7	403.8	366.2	335.3	310.1	292.5	281.3	274.9	272.1
130°	583.1	515.4	458.4	413.0	378.4	348.0	322.3	305.3	291.9	284.9	281.3
132.5°	576.0	514.7	463.4	422.3	388.3	358.0	333.7	315.3	302.6	293.4	290.5
135°	565.3	513.6	470.9	434.4	402.3	373.0	349.8	331.2	316.0	307.1	303.5
137.5°	556.0	513.4	475.4	443.0	413.0	385.7	363.6	344.1	329.8	319.9	316.6
140°	551.1	512.7	478.9	448.6	420.2	393.5	372.1	353.4	338.3	328.5	325.8
142.5°	546.8	512.7	481.8	452.9	426.6	400.6	380.0	361.9	347.5	338.5	335.8
145°	539.5	511.0	483.4	457.5	433.5	410.4	390.8	373.9	361.4	352.5	349.8
147.5°	532.9	507.7	484.3	461.6	440.7	418.9	401.3	387.3	374.4	366.6	365.7
150°	527.9	505.6	484.3	463.8	444.3	424.6	407.7	394.4	383.7	376.6	375.7
152.5°	522.2	502.0	482.9	465.2	447.1	429.6	414.1	402.2	392.3	385.1	385.0
155°	513.6	496.8	480.7	466.5	451.3	436.2	422.8	413.0	404.1	398.8	397.9
157.5°	504.9	491.2	478.4	466.5	454.3	441.6	431.1	422.5	415.5	410.5	410.5
160°	498.6	487.0	476.3	466.5	455.8	445.1	435.3	428.2	422.0	418.4	418.4
162.5°	492.8	482.7	474.1	466.5	457.2	447.3	439.6	433.2	427.7	424.8	425.5
165°	483.4	476.3	470.0	464.7	457.5	449.5	444.3	439.8	435.3	433.5	433.5
167.5°	474.8	469.8	465.7	462.5	457.4	451.5	447.5	445.0	441.6	440.7	441.6
170°	469.1	465.6	462.9	461.1	456.6	452.2	449.5	447.8	445.1	444.3	445.1
172.5°	464.1	461.3	460.0	459.7	455.9	452.9	450.9	449.9	447.9	447.8	448.6
175°	458.4	456.6	456.6	457.5	454.9	453.1	453.1	452.2	451.3	451.3	452.2
177.5°	454.5	453.8	453.8	455.2	453.8	453.1	453.1	453.1	452.4	453.1	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332609-940

CATALOG NUMBER: S124DIP-S795D1035U940-4F0-1E-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°	10.8	11.7	13.0	14.4	15.9	17.3	16.9	17.3	16.1	15.5	14.2
90°	2.7	5.4	6.2	7.1	7.1	12.5	12.5	14.3	16.1	15.2	16.1
92.5°	14.8	23.2	34.0	47.0	65.5	110.8	179.9	247.1	282.4	235.2	174.9
95°	32.0	40.9	52.5	73.9	111.3	188.7	334.7	547.5	725.5	746.0	659.6
97.5°	52.7	60.4	71.1	89.3	120.7	180.4	300.9	512.4	764.1	937.2	974.6
100°	67.7	73.9	84.5	101.5	130.0	182.5	283.1	464.7	715.7	943.6	1073.6
102.5°	83.3	88.8	98.8	115.0	142.0	189.6	278.1	432.7	655.2	890.2	1068.6
105°	106.8	111.3	122.0	137.9	163.8	206.5	280.4	405.0	584.0	793.2	997.0
107.5°	130.5	134.9	146.3	161.7	187.1	226.3	293.6	400.0	544.1	714.8	895.4
110°	146.9	151.3	162.0	178.1	202.1	241.2	303.5	401.4	530.6	675.6	834.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	162.6	167.7	177.7	193.7	217.8	255.5	314.2	405.7	524.1	653.6	789.3
115°	186.0	192.3	201.2	218.1	242.1	277.8	331.2	413.9	520.8	632.9	744.2
117.5°	209.4	214.9	224.7	240.5	265.5	299.3	348.4	422.7	519.9	623.7	722.1
120°	224.4	230.6	240.3	255.5	280.4	314.2	360.5	429.1	519.9	618.7	712.1
122.5°	238.5	244.8	253.9	270.5	294.6	328.5	371.9	435.5	519.2	613.0	703.6
125°	259.0	264.4	274.2	291.1	316.0	348.0	389.1	445.1	518.1	603.6	689.0
127.5°	274.9	281.3	292.5	310.1	335.3	366.2	403.8	452.7	516.1	590.9	671.2
130°	284.9	291.9	305.3	322.3	348.0	378.4	413.0	458.4	515.4	583.1	657.0
132.5°	293.4	302.6	315.3	333.7	358.0	388.3	422.3	463.4	514.7	576.0	642.0
135°	307.1	316.0	331.2	349.8	373.0	402.3	434.4	470.9	513.6	565.3	621.3
137.5°	319.9	329.8	344.1	363.6	385.7	413.0	443.0	475.4	513.4	556.0	602.7
140°	328.5	338.3	353.4	372.1	393.5	420.2	448.6	478.9	512.7	551.1	592.0
142.5°	338.5	347.5	361.9	380.0	400.6	426.6	452.9	481.8	512.7	546.8	582.0
145°	352.5	361.4	373.9	390.8	410.4	433.5	457.5	483.4	511.0	539.5	567.9
147.5°	366.6	374.4	387.3	401.3	418.9	440.7	461.6	484.3	507.7	532.9	556.3
150°	376.6	383.7	394.4	407.7	424.6	444.3	463.8	484.3	505.6	527.9	549.3
152.5°	385.1	392.3	402.2	414.1	429.6	447.1	465.2	482.9	502.0	522.2	541.4
155°	398.8	404.1	413.0	422.8	436.2	451.3	466.5	480.7	496.8	513.6	529.7
157.5°	410.5	415.5	422.5	431.1	441.6	454.3	466.5	478.4	491.2	504.9	517.0
160°	418.4	422.0	428.2	435.3	445.1	455.8	466.5	476.3	487.0	498.6	509.2
162.5°	424.8	427.7	433.2	439.6	447.3	457.2	466.5	474.1	482.7	492.8	501.3
165°	433.5	435.3	439.8	444.3	449.5	457.5	464.7	470.0	476.3	483.4	490.5
167.5°	440.7	441.6	445.0	447.5	451.5	457.4	462.5	465.7	469.8	474.8	480.0
170°	444.3	445.1	447.8	449.5	452.2	456.6	461.1	462.9	465.6	469.1	473.6
172.5°	447.8	447.9	449.9	450.9	452.9	455.9	459.7	460.0	461.3	464.1	467.9
175°	451.3	451.3	452.2	453.1	453.1	454.9	457.5	456.6	456.6	458.4	460.2
177.5°	453.1	452.4	453.1	453.1	453.1	453.8	455.2	453.8	453.8	454.5	455.2
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



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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°	14.8	14.5	14.2	13.6	13.4	13.2	12.1
90°	16.9	17.8	17.8	18.7	19.6	18.7	18.7
92.5°	131.6	104.7	86.9	76.4	71.6	68.6	68.6
95°	521.7	402.3	316.0	272.4	244.8	228.8	217.2
97.5°	923.3	836.2	743.3	679.4	625.8	599.1	580.6
100°	1091.4	1047.8	981.9	904.5	850.2	823.4	816.4
102.5°	1156.9	1169.6	1142.1	1094.6	1055.3	1027.2	1021.5
105°	1151.0	1239.1	1275.7	1277.5	1270.3	1257.8	1252.5
107.5°	1059.4	1183.5	1262.8	1306.8	1327.1	1336.1	1338.4
110°	988.1	1117.2	1215.1	1278.4	1315.7	1331.8	1339.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	925.4	1047.4	1145.3	1217.1	1262.3	1284.8	1297.7
115°	853.7	957.9	1043.3	1113.7	1167.1	1195.5	1202.7
117.5°	812.8	894.7	967.1	1027.2	1072.0	1100.8	1106.3
120°	795.0	866.2	929.3	980.1	1019.3	1042.4	1052.2
122.5°	783.5	848.4	903.7	946.6	980.1	999.7	1009.5
125°	765.5	827.0	875.9	911.6	937.4	954.3	959.7
127.5°	744.4	805.7	852.1	887.9	910.9	925.1	930.4
130°	727.3	787.8	835.0	871.5	893.8	908.0	913.4
132.5°	708.1	767.1	814.4	850.2	875.2	888.8	894.1
135°	679.2	733.5	778.0	813.7	838.6	852.8	858.2
137.5°	651.7	697.4	737.6	770.9	795.5	807.3	813.7
140°	633.8	673.9	711.2	742.4	762.1	774.5	781.6
142.5°	618.8	653.3	685.6	713.2	731.4	742.4	747.4
145°	598.2	624.9	649.9	672.1	687.2	696.2	700.6
147.5°	580.4	601.8	621.3	637.8	650.8	657.5	659.1
150°	569.7	587.5	603.6	617.8	629.4	634.7	635.6
152.5°	559.0	575.4	588.6	600.7	610.1	613.3	614.2
155°	543.9	557.2	567.9	576.8	584.0	586.7	586.7
157.5°	529.0	540.2	548.8	555.4	560.8	562.4	562.4
160°	519.0	528.8	535.9	541.3	546.6	547.5	547.5
162.5°	509.7	517.4	523.8	527.7	533.1	534.0	533.2
165°	495.9	502.0	506.5	510.1	513.6	512.7	511.8
167.5°	484.1	489.1	491.8	493.6	495.9	495.7	495.0
170°	476.3	479.8	482.5	484.3	485.2	484.3	484.3
172.5°	469.8	472.0	473.9	475.0	475.9	475.0	473.6
175°	461.1	462.9	462.9	462.9	464.7	462.9	461.1
177.5°	455.9	455.9	456.6	455.9	456.6	455.2	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1

(END OF REPORT)