

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: P333056-940

Luminaire Tested: **S124RDIW-S795D470U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333056-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S795D470U940-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4426.5 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Direct

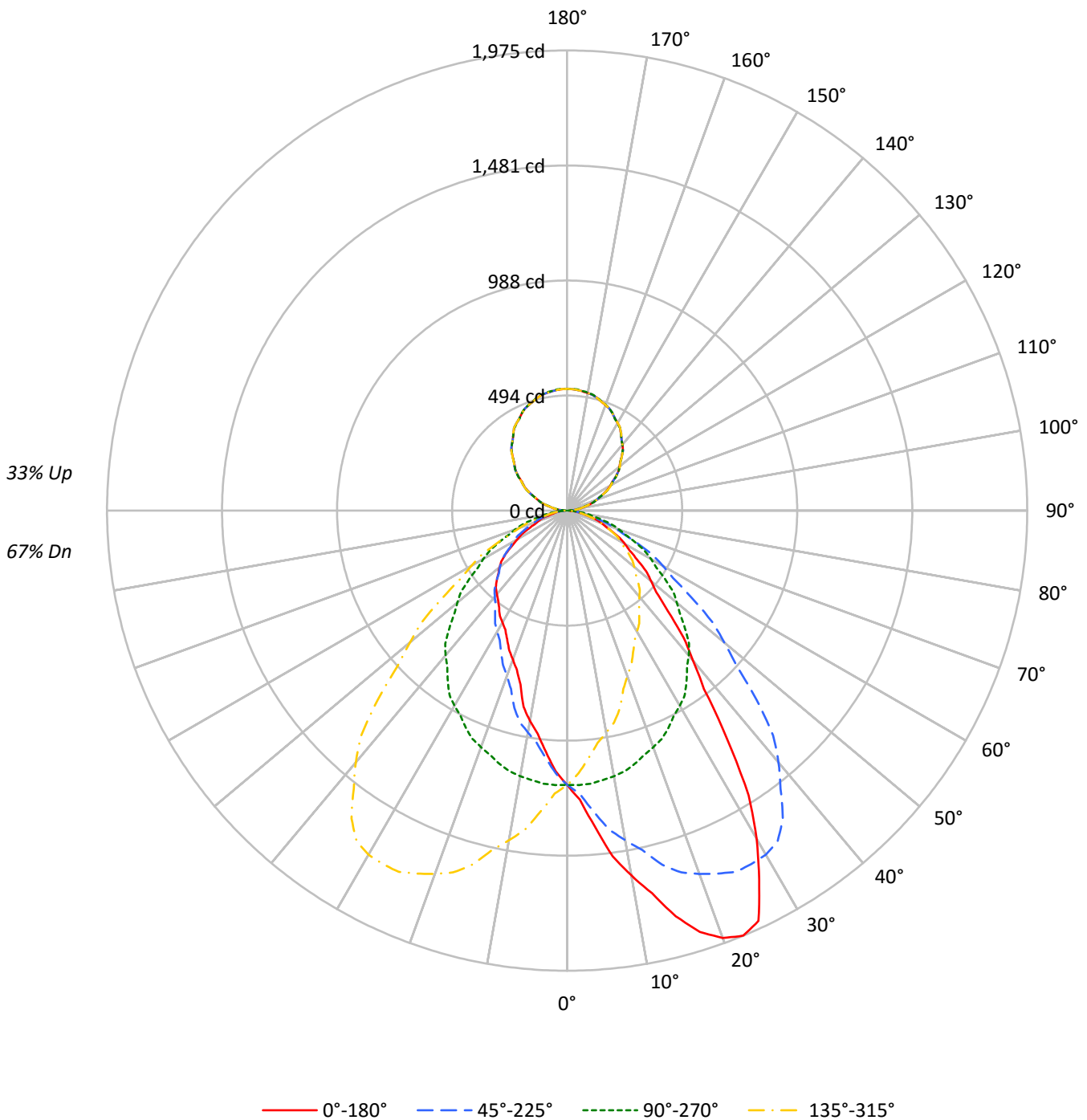
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	67
1	102	98	94	91	96	93	89	86	83	80	78	73	71	70	65	63	62	58
2	94	86	80	75	88	82	76	72	73	69	65	65	62	59	58	55	53	49
3	86	76	69	63	81	72	66	61	65	60	56	58	54	51	52	49	46	43
4	79	68	60	54	74	65	58	52	58	53	48	52	48	44	46	43	40	37
5	73	61	53	47	68	58	51	45	52	46	42	47	42	39	42	38	35	32
6	67	55	47	41	63	52	45	40	47	41	37	43	38	34	38	34	31	29
7	62	50	42	36	59	48	40	35	43	37	33	39	34	30	35	31	28	26
8	58	46	38	32	55	43	36	31	40	34	29	36	31	27	32	28	25	23
9	54	42	34	29	51	40	33	28	36	31	26	33	28	25	30	26	23	21
10	51	38	31	26	48	37	30	26	34	28	24	31	26	22	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9503	9503	9503	9503
5°	11022	9532	8425	9532
10°	13039	9489	7519	9489
15°	15061	9402	6461	9402
20°	16770	9281	5843	9281
25°	17312	9163	5424	9163
30°	15155	9018	5172	9018
35°	11797	8806	5019	8806
40°	8847	8560	4938	8560
45°	6985	8170	4894	8170
50°	5897	7720	4752	7720
55°	5140	7222	4500	7222
60°	4624	6707	3982	6707
65°	4076	6151	3423	6151
70°	3670	5575	3090	5575
75°	3075	4941	2633	4941
80°	2603	4212	2469	4212
85°	2195	3298	2195	3298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	2.6
10°-20°	344.0	7.8
20°-30°	538.1	12.2
30°-40°	598.2	13.5
40°-50°	530.7	12.0
50°-60°	413.6	9.3
60°-70°	270.8	6.1
70°-80°	133.1	3.0
80°-90°	34.4	0.8
90°-100°	34.5	0.8
100°-110°	102.1	2.3
110°-120°	173.3	3.9
120°-130°	228.5	5.2
130°-140°	256.6	5.8
140°-150°	252.1	5.7
150°-160°	212.1	4.8
160°-170°	141.1	3.2
170°-180°	49.4	1.1
0°-30°	996.2	22.5
0°-40°	1594.3	36.0
0°-60°	2538.6	57.4
0°-90°	2976.9	67.3
90°-120°	309.8	7.0
90°-150°	1047.0	23.7
90°-180°	1450.0	32.8
0°-180°	4426.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1177	1177	1177	1177	1177	
5°	1360	1176	1040	1176	1360	138
15°	1802	1125	773	1125	1802	512
25°	1944	1029	609	1029	1944	862
35°	1197	894	509	894	1197	750
45°	612	716	429	716	612	485
55°	365	513	320	513	365	332
65°	213	322	179	322	213	215
75°	99	158	84	158	99	109
85°	24	36	24	36	24	27
90°	12	1	12	1	12	7
95°	32	24	32	24	32	33
105°	99	94	99	94	99	104
115°	175	176	175	176	175	173
125°	255	256	255	256	255	227
135°	331	331	331	331	331	256
145°	402	402	402	402	402	252
155°	460	461	460	461	460	212
165°	500	501	500	501	500	141
175°	519	522	519	522	519	49
180°	522	522	522	522	522	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1241.5	1245.0	1241.5	1241.2	1237.4	1236.3	1234.8	1229.8	1220.7	1215.4	1216.6
5°	1360.1	1372.0	1365.4	1364.4	1354.0	1343.5	1336.9	1321.7	1305.6	1294.7	1285.7
7.5°	1497.3	1504.1	1499.9	1493.3	1476.4	1466.9	1451.4	1431.5	1402.6	1380.5	1360.2
10°	1590.6	1596.3	1594.4	1582.1	1569.8	1544.6	1530.4	1502.4	1465.9	1437.0	1410.0
12.5°	1682.4	1688.5	1671.8	1672.4	1649.0	1629.2	1606.7	1571.5	1529.3	1492.0	1458.1
15°	1802.1	1794.6	1794.6	1785.0	1759.0	1731.4	1708.3	1671.2	1618.1	1573.5	1526.6
17.5°	1895.9	1898.5	1894.6	1872.2	1851.7	1823.3	1780.7	1737.5	1688.2	1628.4	1580.4
20°	1952.0	1952.0	1947.8	1932.5	1906.0	1875.6	1829.6	1782.7	1720.1	1659.8	1605.8
22.5°	1974.8	1976.3	1971.2	1958.7	1934.8	1905.2	1866.1	1818.4	1753.8	1686.0	1619.1
25°	1943.5	1952.5	1953.4	1950.1	1942.9	1924.9	1891.3	1842.5	1784.6	1711.1	1639.0
27.5°	1784.3	1795.6	1805.6	1822.0	1843.9	1855.2	1856.7	1831.9	1781.5	1710.7	1638.2
30°	1625.7	1635.2	1666.0	1706.3	1737.7	1766.1	1790.7	1797.4	1769.0	1705.4	1629.1
32.5°	1449.7	1462.6	1493.4	1536.8	1588.9	1637.1	1692.5	1720.7	1720.0	1681.9	1611.2
35°	1197.0	1206.5	1234.9	1280.5	1343.1	1414.7	1502.4	1570.7	1617.2	1613.8	1570.7
37.5°	965.4	976.1	1004.9	1042.6	1103.3	1191.9	1276.8	1370.9	1456.9	1505.1	1490.8
40°	839.5	839.9	867.9	906.8	963.7	1041.0	1133.5	1237.8	1333.6	1411.8	1427.0
42.5°	740.0	740.1	758.6	800.5	841.5	914.3	1002.6	1106.2	1218.3	1308.7	1348.9
45°	611.8	616.1	631.2	656.4	688.6	750.3	820.9	917.2	1042.9	1150.0	1216.9
47.5°	518.1	524.3	534.0	554.5	580.1	621.3	679.7	766.2	868.4	986.3	1081.5
50°	469.5	470.5	482.8	494.2	516.5	549.2	600.4	672.4	766.3	879.8	985.5
52.5°	427.8	427.6	435.0	449.4	467.5	493.0	534.4	600.0	683.3	784.9	894.0
55°	365.2	367.6	373.3	384.6	398.3	416.4	449.1	498.5	563.9	650.7	749.8
57.5°	317.5	318.8	323.2	328.1	340.7	353.8	378.4	412.6	467.8	538.9	631.2
60°	286.4	287.0	288.4	295.4	305.4	317.7	334.3	363.3	409.7	474.7	547.8
62.5°	256.1	256.9	259.1	264.3	272.1	280.5	297.9	321.2	359.6	415.2	481.0
65°	213.4	213.9	217.2	219.1	225.2	232.8	245.7	261.3	287.8	334.3	384.1
67.5°	178.3	178.3	178.5	181.1	185.3	190.4	198.0	210.5	230.6	259.1	303.0
70°	155.5	155.5	156.5	157.9	160.3	164.5	168.8	178.3	193.1	216.2	249.9
72.5°	134.3	134.6	135.6	135.9	137.1	140.6	143.8	149.9	160.8	178.3	205.5
75°	98.6	100.0	102.5	104.3	106.7	106.2	109.6	113.3	116.6	127.1	142.8
77.5°	73.4	72.7	72.9	74.5	74.8	75.3	77.7	80.6	83.1	88.0	93.6
80°	56.0	56.0	57.4	57.9	57.4	57.9	60.2	61.6	62.6	64.5	69.7
82.5°	42.3	43.1	42.6	43.1	43.3	43.8	45.8	46.1	47.1	47.8	50.0
85°	23.7	24.2	24.7	23.7	23.7	23.7	24.7	25.1	26.1	25.6	26.6
87.5°	10.8	10.3	10.7	10.7	11.0	10.5	10.8	11.5	10.6	10.9	10.7
90°	12.1	11.9	11.8	11.6	11.4	11.1	10.5	10.0	9.5	8.9	8.2
92.5°	17.9	17.8	17.7	17.7	17.5	17.3	16.9	16.7	16.3	16.0	15.5
95°	31.9	31.9	31.9	31.9	31.9	31.7	31.5	31.2	30.9	30.7	30.1
97.5°	50.0	50.0	50.0	50.0	50.0	49.8	49.6	49.2	48.9	48.6	47.8
100°	62.6	62.6	62.6	62.6	62.6	62.5	62.3	62.2	62.0	61.8	61.0
102.5°	76.9	76.8	76.7	76.6	76.6	76.4	76.2	75.9	75.6	75.4	74.6
105°	98.6	98.4	98.1	97.8	97.6	97.3	97.0	96.8	96.4	96.1	95.8
107.5°	119.8	119.8	119.8	119.8	119.8	119.8	119.5	119.2	119.0	118.7	118.7
110°	134.9	134.6	134.4	134.1	133.8	133.8	134.0	134.2	134.4	134.6	134.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	150.4	150.4	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.4	150.5
115°	174.6	174.7	174.8	174.9	175.0	175.0	175.1	175.2	175.3	175.4	175.6
117.5°	197.5	197.7	197.9	198.0	198.2	198.5	198.8	199.1	199.4	199.7	199.8
120°	215.0	214.8	214.6	214.5	214.3	214.4	214.8	215.3	215.7	216.2	216.4
122.5°	229.5	229.8	230.2	230.5	230.8	231.1	231.4	231.8	232.0	232.4	232.5
125°	254.6	254.8	254.9	255.1	255.3	255.5	255.7	255.8	256.0	256.2	256.3
127.5°	277.8	277.9	278.0	278.2	278.3	278.5	278.7	278.8	279.0	279.2	279.4
130°	292.9	293.3	293.6	294.0	294.4	294.6	294.8	295.0	295.2	295.3	295.3
132.5°	309.2	309.2	309.4	309.5	309.7	309.9	310.0	310.2	310.4	310.6	310.7
135°	331.4	331.6	331.9	332.2	332.4	332.6	332.8	333.0	333.1	333.3	333.3
137.5°	354.7	354.6	354.5	354.5	354.5	354.5	354.8	355.0	355.3	355.5	355.3
140°	368.9	369.0	369.1	369.2	369.3	369.3	369.4	369.5	369.6	369.7	369.7
142.5°	383.2	383.2	383.2	383.2	383.2	383.3	383.3	383.3	383.3	383.3	383.3
145°	402.4	402.7	403.0	403.2	403.5	403.7	403.8	403.9	403.9	404.0	403.9
147.5°	422.0	422.1	422.2	422.3	422.4	422.5	422.5	422.6	422.7	422.8	422.8
150°	434.0	434.1	434.2	434.3	434.4	434.4	434.4	434.4	434.4	434.4	434.4
152.5°	445.0	445.2	445.4	445.7	445.9	445.9	445.7	445.5	445.2	445.1	445.0
155°	460.2	460.6	460.9	461.3	461.6	461.6	461.3	460.9	460.6	460.2	460.3
157.5°	473.9	474.2	474.5	474.8	475.1	475.1	474.8	474.6	474.3	474.0	474.0
160°	481.6	482.1	482.6	483.0	483.5	483.6	483.3	483.0	482.8	482.5	482.6
162.5°	489.7	490.2	490.6	491.1	491.5	491.5	491.1	490.5	490.1	489.5	489.6
165°	500.2	500.6	501.0	501.3	501.7	501.6	501.1	500.5	500.0	499.4	499.6
167.5°	507.7	508.3	508.9	509.4	510.0	510.0	509.4	508.9	508.4	507.8	507.8
170°	511.9	512.6	513.2	513.8	514.4	514.5	514.0	513.4	512.9	512.4	512.3
172.5°	515.5	516.1	516.7	517.4	518.0	518.0	517.5	516.8	516.2	515.6	515.6
175°	519.2	519.9	520.5	521.1	521.7	521.7	521.1	520.5	519.9	519.2	519.3
177.5°	521.2	521.7	522.4	522.9	523.4	523.5	523.0	522.5	522.0	521.5	521.5
180°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1212.7	1207.5	1204.8	1198.7	1191.5	1187.7	1184.3	1179.4	1172.9	1166.1	1161.1
5°	1274.3	1262.9	1248.7	1231.6	1216.5	1201.8	1188.9	1176.2	1161.5	1146.2	1131.0
7.5°	1337.5	1315.1	1290.9	1262.9	1235.7	1210.9	1188.2	1166.4	1141.7	1119.6	1099.5
10°	1381.4	1351.1	1317.4	1281.9	1246.3	1215.5	1185.2	1157.6	1127.3	1100.3	1077.5
12.5°	1417.1	1381.4	1341.0	1296.6	1253.9	1216.7	1181.7	1145.8	1111.3	1082.0	1051.7
15°	1476.3	1427.5	1373.0	1319.8	1264.4	1213.6	1166.6	1124.9	1085.6	1044.3	1015.4
17.5°	1517.0	1459.0	1392.8	1328.9	1263.4	1203.5	1149.4	1099.7	1054.3	1012.1	977.7
20°	1541.3	1477.3	1403.7	1331.2	1257.7	1193.6	1135.3	1080.3	1033.4	987.8	952.3
22.5°	1555.0	1484.1	1403.7	1327.8	1251.6	1182.3	1118.3	1061.0	1009.9	964.3	925.0
25°	1559.3	1483.5	1401.4	1314.1	1230.7	1157.2	1090.7	1028.7	971.7	926.2	884.5
27.5°	1553.3	1463.9	1379.8	1290.3	1204.2	1126.7	1057.0	991.8	934.8	885.9	843.1
30°	1544.2	1448.3	1358.3	1265.2	1178.0	1103.6	1030.0	967.4	908.2	857.5	814.3
32.5°	1524.4	1429.4	1332.4	1237.2	1148.8	1072.1	1002.4	939.4	881.3	829.4	783.5
35°	1485.3	1389.1	1283.8	1186.1	1099.3	1019.6	954.2	893.5	838.0	782.5	734.1
37.5°	1433.9	1335.5	1230.7	1123.7	1036.9	961.7	901.6	844.6	790.5	739.9	686.3
40°	1385.3	1295.7	1187.5	1081.3	992.1	919.5	864.1	812.3	757.9	707.6	654.0
42.5°	1326.4	1250.1	1140.9	1034.2	946.2	876.3	824.7	774.1	724.4	675.7	619.8
45°	1228.3	1170.5	1068.0	965.5	876.9	807.6	760.2	715.6	672.0	625.5	572.9
47.5°	1115.8	1076.7	988.2	883.3	801.3	739.0	693.1	656.7	619.8	573.4	527.2
50°	1037.7	1012.5	927.1	831.3	753.1	695.7	648.8	614.7	583.8	539.2	497.9
52.5°	954.2	940.8	868.7	777.1	701.5	645.2	605.1	574.4	543.2	506.2	467.6
55°	827.1	834.2	773.0	693.8	622.7	575.2	538.8	513.1	486.6	455.3	425.4
57.5°	697.1	723.1	682.1	612.5	545.8	502.0	474.6	453.0	430.7	404.7	379.2
60°	619.4	641.1	618.0	556.8	498.5	457.6	432.0	415.4	393.2	369.4	350.0
62.5°	543.5	566.9	553.0	503.6	449.5	414.4	391.8	376.4	359.8	339.1	318.9
65°	448.2	463.3	456.7	422.6	384.1	354.3	333.4	322.0	306.8	291.7	273.7
67.5°	343.2	372.6	368.7	350.5	317.4	294.0	280.4	270.3	256.5	245.2	232.9
70°	282.1	309.2	308.7	294.0	276.0	254.2	244.7	236.2	223.8	212.9	203.0
72.5°	231.0	255.7	259.4	248.2	235.8	219.3	210.2	204.3	192.3	184.9	176.8
75°	161.8	179.8	184.5	184.5	178.8	170.2	162.2	158.4	149.9	143.2	138.5
77.5°	106.0	117.4	124.8	126.5	127.4	124.6	117.9	115.2	108.7	106.3	101.7
80°	74.9	82.5	91.0	93.9	96.3	95.3	92.5	90.6	84.4	82.0	80.2
82.5°	51.8	56.0	63.0	69.2	68.6	71.1	68.6	67.1	62.4	61.5	59.7
85°	27.0	27.5	28.4	32.7	35.1	36.0	36.6	35.6	34.2	34.2	30.9
87.5°	10.6	10.1	10.7	10.5	10.7	12.0	12.9	13.1	12.2	11.2	10.3
90°	7.5	6.8	6.0	5.2	4.2	3.2	2.2	1.2	2.2	3.2	4.2
92.5°	15.0	14.5	14.0	13.2	12.0	10.9	9.8	8.6	9.8	10.9	12.0
95°	29.4	28.8	28.2	27.5	26.7	25.9	25.1	24.3	25.1	25.9	26.7
97.5°	47.1	46.4	45.7	44.9	44.3	43.6	43.0	42.4	43.0	43.6	44.3
100°	60.2	59.4	58.6	58.1	57.6	57.2	56.9	56.5	56.9	57.2	57.6
102.5°	73.9	73.2	72.5	72.1	71.9	71.7	71.6	71.4	71.6	71.7	71.9
105°	95.4	95.1	94.7	94.5	94.4	94.3	94.3	94.2	94.3	94.3	94.4
107.5°	118.6	118.6	118.5	118.4	118.3	118.2	118.1	118.0	118.1	118.2	118.3
110°	134.7	134.8	134.9	134.8	134.6	134.5	134.3	134.1	134.3	134.5	134.6



TEST NUMBER: P333056-940

CATALOG NUMBER: S124RDIW-S795D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	150.7	150.9	151.1	151.1	151.1	151.1	151.0	151.0	151.0	151.1	151.1
115°	175.8	175.9	176.1	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
117.5°	199.9	200.1	200.2	200.2	200.2	200.1	200.0	199.9	200.0	200.1	200.2
120°	216.7	217.0	217.2	217.2	216.9	216.5	216.2	215.8	216.2	216.5	216.9
122.5°	232.6	232.7	232.8	232.8	232.6	232.6	232.4	232.3	232.4	232.6	232.6
125°	256.4	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5
127.5°	279.5	279.6	279.8	279.7	279.5	279.2	278.9	278.7	278.9	279.2	279.5
130°	295.3	295.3	295.3	295.2	295.0	294.7	294.4	294.2	294.4	294.7	295.0
132.5°	310.7	310.8	310.9	310.8	310.6	310.4	310.2	310.0	310.2	310.4	310.6
135°	333.3	333.3	333.3	333.1	332.5	332.0	331.4	330.9	331.4	332.0	332.5
137.5°	355.3	355.1	354.9	354.7	354.5	354.2	354.0	353.7	354.0	354.2	354.5
140°	369.7	369.7	369.7	369.6	369.4	369.3	369.1	368.9	369.1	369.3	369.4
142.5°	383.4	383.5	383.6	383.5	383.3	383.2	383.0	382.8	383.0	383.2	383.3
145°	403.9	403.8	403.7	403.5	403.1	402.8	402.4	402.1	402.4	402.8	403.1
147.5°	422.8	422.9	423.0	422.8	422.4	422.0	421.5	421.2	421.5	422.0	422.4
150°	434.4	434.4	434.4	434.2	433.8	433.5	433.1	432.7	433.1	433.5	433.8
152.5°	444.9	444.8	444.8	444.6	444.4	444.2	444.0	443.7	444.0	444.2	444.4
155°	460.4	460.5	460.6	460.7	460.7	460.7	460.7	460.7	460.7	460.7	460.7
157.5°	474.1	474.1	474.1	474.2	474.4	474.6	474.7	474.8	474.7	474.6	474.4
160°	482.7	482.8	482.9	483.0	483.0	483.1	483.2	483.3	483.2	483.1	483.0
162.5°	489.7	489.8	489.9	490.1	490.4	490.5	490.8	491.1	490.8	490.5	490.4
165°	499.8	500.0	500.2	500.3	500.6	500.9	501.1	501.4	501.1	500.9	500.6
167.5°	507.8	507.7	507.7	507.9	508.4	508.7	509.1	509.4	509.1	508.7	508.4
170°	512.2	512.1	512.0	512.2	512.6	513.1	513.5	514.0	513.5	513.1	512.6
172.5°	515.6	515.5	515.5	515.7	516.1	516.5	516.8	517.2	516.8	516.5	516.1
175°	519.4	519.5	519.6	519.9	520.3	520.8	521.2	521.7	521.2	520.8	520.3
177.5°	521.5	521.5	521.5	521.7	522.0	522.4	522.7	523.1	522.7	522.4	522.0
180°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5



TEST NUMBER: P333056-940

CATALOG NUMBER: S124RDIW-S795D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1155.8	1152.0	1147.1	1141.4	1134.6	1128.5	1125.9	1128.1	1129.3	1126.2	1125.9
5°	1120.6	1108.8	1099.3	1085.0	1073.7	1064.2	1057.6	1054.7	1055.7	1048.1	1046.2
7.5°	1081.1	1067.0	1051.5	1034.7	1018.9	1005.0	997.6	993.6	985.6	982.1	976.3
10°	1055.7	1036.7	1021.5	1001.6	983.6	967.0	958.9	952.3	944.2	940.4	932.4
12.5°	1029.5	1007.5	990.8	970.1	951.7	931.7	924.0	911.7	899.1	891.1	880.7
15°	992.6	966.1	945.7	921.0	899.2	876.4	856.0	833.2	824.7	806.7	796.3
17.5°	949.4	922.5	897.2	864.2	830.5	802.3	780.5	758.7	745.6	734.1	728.8
20°	921.0	896.3	861.2	822.8	785.3	754.0	736.5	722.3	708.0	700.0	694.3
22.5°	894.0	862.6	821.8	780.3	742.9	718.4	703.5	688.8	677.3	669.7	662.0
25°	848.9	807.6	764.5	717.0	691.4	670.1	654.0	642.1	635.0	625.1	621.3
27.5°	802.5	752.5	704.9	673.1	646.4	626.9	612.8	603.9	594.9	588.5	583.6
30°	766.9	716.1	673.4	643.1	616.1	599.9	588.5	578.1	571.0	565.8	562.0
32.5°	731.6	680.8	645.0	612.3	591.0	575.2	563.1	555.4	549.7	543.1	540.7
35°	680.6	635.5	604.2	574.8	552.9	538.8	529.2	521.2	516.5	514.5	513.1
37.5°	631.5	594.6	561.0	536.8	517.4	506.2	495.0	491.1	487.8	484.4	485.9
40°	600.4	565.8	535.9	510.3	494.6	482.3	475.6	470.9	468.1	468.1	468.1
42.5°	573.5	539.6	510.5	487.5	471.9	461.5	454.1	450.0	449.1	448.7	451.0
45°	531.6	500.3	470.9	451.9	438.6	428.2	424.0	420.6	420.6	422.6	423.0
47.5°	490.2	460.8	437.3	416.0	403.9	397.3	393.6	391.9	392.1	394.0	396.2
50°	464.8	435.9	412.6	393.6	382.3	376.0	372.7	371.8	372.7	372.7	376.0
52.5°	437.0	411.2	388.3	372.4	359.4	353.7	351.9	350.5	351.2	352.7	354.1
55°	396.5	373.3	351.4	336.3	326.7	323.0	318.7	319.1	318.3	319.1	319.1
57.5°	355.8	334.9	314.6	302.6	294.3	288.7	284.1	285.4	284.0	283.8	283.0
60°	329.6	306.8	290.7	279.8	270.3	265.6	261.3	262.3	260.8	259.8	258.0
62.5°	301.1	282.1	266.8	256.3	248.7	243.2	238.9	238.0	234.7	231.4	227.3
65°	259.8	244.2	230.5	220.5	213.4	209.1	205.8	203.0	195.8	188.2	184.5
67.5°	219.8	208.5	195.6	187.3	181.5	175.8	169.5	164.7	158.0	153.8	151.5
70°	193.9	183.1	172.2	164.1	157.9	152.8	145.6	142.3	137.5	135.6	133.2
72.5°	169.3	159.2	149.0	141.7	135.2	131.1	125.5	122.2	120.1	119.3	117.0
75°	131.9	123.8	116.2	109.6	104.3	101.5	99.2	96.8	95.8	91.5	89.2
77.5°	96.2	90.9	86.1	81.4	77.7	75.8	71.2	68.5	66.9	64.9	64.4
80°	74.9	71.2	66.4	63.6	58.3	56.4	54.6	54.0	53.6	53.1	52.6
82.5°	56.4	52.5	47.8	46.1	44.7	43.5	42.4	41.9	41.5	41.7	41.6
85°	28.4	26.6	26.6	26.1	25.6	25.1	24.7	24.7	24.2	24.7	24.2
87.5°	10.5	10.3	10.4	9.8	10.3	10.5	10.3	10.3	10.8	10.2	10.3
90°	5.2	6.0	6.8	7.5	8.2	8.9	9.5	10.0	10.5	11.1	11.4
92.5°	13.2	14.0	14.5	15.0	15.5	16.0	16.3	16.7	16.9	17.3	17.5
95°	27.5	28.2	28.8	29.4	30.1	30.7	30.9	31.2	31.5	31.7	31.9
97.5°	44.9	45.7	46.4	47.1	47.8	48.6	48.9	49.2	49.6	49.8	50.0
100°	58.1	58.6	59.4	60.2	61.0	61.8	62.0	62.2	62.3	62.5	62.6
102.5°	72.1	72.5	73.2	73.9	74.6	75.4	75.6	75.9	76.2	76.4	76.6
105°	94.5	94.7	95.1	95.4	95.8	96.1	96.4	96.8	97.0	97.3	97.6
107.5°	118.4	118.5	118.6	118.6	118.7	118.7	119.0	119.2	119.5	119.8	119.8
110°	134.8	134.9	134.8	134.7	134.6	134.6	134.4	134.2	134.0	133.8	133.8



TEST NUMBER: P333056-940

CATALOG NUMBER: S124RDIW-S795D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	151.1	151.1	150.9	150.7	150.5	150.4	150.3	150.3	150.3	150.3	150.3
115°	176.2	176.1	175.9	175.8	175.6	175.4	175.3	175.2	175.1	175.0	175.0
117.5°	200.2	200.2	200.1	199.9	199.8	199.7	199.4	199.1	198.8	198.5	198.2
120°	217.2	217.2	217.0	216.7	216.4	216.2	215.7	215.3	214.8	214.4	214.3
122.5°	232.8	232.8	232.7	232.6	232.5	232.4	232.0	231.8	231.4	231.1	230.8
125°	256.5	256.5	256.5	256.4	256.3	256.2	256.0	255.8	255.7	255.5	255.3
127.5°	279.7	279.8	279.6	279.5	279.4	279.2	279.0	278.8	278.7	278.5	278.3
130°	295.2	295.3	295.3	295.3	295.3	295.3	295.2	295.0	294.8	294.6	294.4
132.5°	310.8	310.9	310.8	310.7	310.7	310.6	310.4	310.2	310.0	309.9	309.7
135°	333.1	333.3	333.3	333.3	333.3	333.3	333.1	333.0	332.8	332.6	332.4
137.5°	354.7	354.9	355.1	355.3	355.3	355.5	355.3	355.0	354.8	354.5	354.5
140°	369.6	369.7	369.7	369.7	369.7	369.7	369.6	369.5	369.4	369.3	369.3
142.5°	383.5	383.6	383.5	383.4	383.3	383.3	383.3	383.3	383.3	383.3	383.2
145°	403.5	403.7	403.8	403.9	403.9	404.0	403.9	403.9	403.8	403.7	403.5
147.5°	422.8	423.0	422.9	422.8	422.8	422.8	422.7	422.6	422.5	422.5	422.4
150°	434.2	434.4	434.4	434.4	434.4	434.4	434.4	434.4	434.4	434.4	434.4
152.5°	444.6	444.8	444.8	444.9	445.0	445.1	445.2	445.5	445.7	445.9	445.9
155°	460.7	460.6	460.5	460.4	460.3	460.2	460.6	460.9	461.3	461.6	461.6
157.5°	474.2	474.1	474.1	474.1	474.0	474.0	474.3	474.6	474.8	475.1	475.1
160°	483.0	482.9	482.8	482.7	482.6	482.5	482.8	483.0	483.3	483.6	483.5
162.5°	490.1	489.9	489.8	489.7	489.6	489.5	490.1	490.5	491.1	491.5	491.5
165°	500.3	500.2	500.0	499.8	499.6	499.4	500.0	500.5	501.1	501.6	501.7
167.5°	507.9	507.7	507.7	507.8	507.8	507.8	508.4	508.9	509.4	510.0	510.0
170°	512.2	512.0	512.1	512.2	512.3	512.4	512.9	513.4	514.0	514.5	514.4
172.5°	515.7	515.5	515.5	515.6	515.6	515.6	516.2	516.8	517.5	518.0	518.0
175°	519.9	519.6	519.5	519.4	519.3	519.2	519.9	520.5	521.1	521.7	521.7
177.5°	521.7	521.5	521.5	521.5	521.5	521.5	522.0	522.5	523.0	523.5	523.4
180°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5



TEST NUMBER: P333056-940

CATALOG NUMBER: S124RDIW-S795D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1123.6	1124.4	1121.7	1120.9	1121.7	1124.4	1123.6	1125.9	1126.2	1129.3	1128.1
5°	1042.4	1041.4	1039.1	1039.6	1039.1	1041.4	1042.4	1046.2	1048.1	1055.7	1054.7
7.5°	972.9	969.3	970.3	966.5	970.3	969.3	972.9	976.3	982.1	985.6	993.6
10°	930.5	925.2	921.0	917.2	921.0	925.2	930.5	932.4	940.4	944.2	952.3
12.5°	872.4	868.0	862.2	863.4	862.2	868.0	872.4	880.7	891.1	899.1	911.7
15°	790.1	783.0	771.6	773.0	771.6	783.0	790.1	796.3	806.7	824.7	833.2
17.5°	720.4	720.5	715.2	716.5	715.2	720.5	720.4	728.8	734.1	745.6	758.7
20°	684.3	681.0	681.4	680.1	681.4	681.0	684.3	694.3	700.0	708.0	722.3
22.5°	659.3	655.2	651.9	649.0	651.9	655.2	659.3	662.0	669.7	677.3	688.8
25°	617.0	614.1	609.8	608.9	609.8	614.1	617.0	621.3	625.1	635.0	642.1
27.5°	579.8	579.3	577.6	575.3	577.6	579.3	579.8	583.6	588.5	594.9	603.9
30°	558.2	557.2	556.2	554.8	556.2	557.2	558.2	562.0	565.8	571.0	578.1
32.5°	538.9	538.2	537.3	537.4	537.3	538.2	538.9	540.7	543.1	549.7	555.4
35°	511.2	510.8	509.8	509.3	509.8	510.8	511.2	513.1	514.5	516.5	521.2
37.5°	485.4	486.7	486.1	486.0	486.1	486.7	485.4	485.9	484.4	487.8	491.1
40°	467.6	468.1	469.0	468.6	469.0	468.1	467.6	468.1	468.1	468.1	470.9
42.5°	452.8	452.9	454.2	452.6	454.2	452.9	452.8	451.0	448.7	449.1	450.0
45°	426.3	429.2	428.7	428.7	428.7	429.2	426.3	423.0	422.6	420.6	420.6
47.5°	397.4	399.8	400.6	400.5	400.6	399.8	397.4	396.2	394.0	392.1	391.9
50°	378.4	377.5	378.9	378.4	378.9	377.5	378.4	376.0	372.7	372.7	371.8
52.5°	355.3	355.5	355.4	354.9	355.4	355.5	355.3	354.1	352.7	351.2	350.5
55°	319.7	320.1	319.1	319.7	319.1	320.1	319.7	319.1	319.1	318.3	319.1
57.5°	281.0	278.7	279.6	278.5	279.6	278.7	281.0	283.0	283.8	284.0	285.4
60°	253.2	249.4	248.5	246.6	248.5	249.4	253.2	258.0	259.8	260.8	262.3
62.5°	222.1	219.5	216.2	217.8	216.2	219.5	222.1	227.3	231.4	234.7	238.0
65°	180.7	178.8	177.4	179.2	177.4	178.8	180.7	184.5	188.2	195.8	203.0
67.5°	149.5	148.6	148.6	147.6	148.6	148.6	149.5	151.5	153.8	158.0	164.7
70°	133.2	131.9	131.9	130.9	131.9	131.9	133.2	133.2	135.6	137.5	142.3
72.5°	116.5	115.1	115.6	114.9	115.6	115.1	116.5	117.0	119.3	120.1	122.2
75°	86.3	83.9	83.9	84.4	83.9	83.9	86.3	89.2	91.5	95.8	96.8
77.5°	64.4	63.9	64.6	63.8	64.6	63.9	64.4	64.4	64.9	66.9	68.5
80°	52.6	52.2	51.7	53.1	51.7	52.2	52.6	52.6	53.1	53.6	54.0
82.5°	40.8	40.8	40.7	42.5	40.7	40.8	40.8	41.6	41.7	41.5	41.9
85°	24.7	23.7	24.7	23.7	24.7	23.7	24.7	24.2	24.7	24.2	24.7
87.5°	11.1	10.7	10.3	10.8	10.3	10.7	11.1	10.3	10.2	10.8	10.3
90°	11.6	11.8	11.9	12.1	11.9	11.8	11.6	11.4	11.1	10.5	10.0
92.5°	17.7	17.7	17.8	17.9	17.8	17.7	17.7	17.5	17.3	16.9	16.7
95°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.7	31.5	31.2
97.5°	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.8	49.6	49.2
100°	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.5	62.3	62.2
102.5°	76.6	76.7	76.8	76.9	76.8	76.7	76.6	76.6	76.4	76.2	75.9
105°	97.8	98.1	98.4	98.6	98.4	98.1	97.8	97.6	97.3	97.0	96.8
107.5°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.5	119.2
110°	134.1	134.4	134.6	134.9	134.6	134.4	134.1	133.8	133.8	134.0	134.2



TEST NUMBER: P333056-940

CATALOG NUMBER: S124RDIW-S795D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	150.3	150.3	150.4	150.4	150.4	150.3	150.3	150.3	150.3	150.3	150.3
115°	174.9	174.8	174.7	174.6	174.7	174.8	174.9	175.0	175.0	175.1	175.2
117.5°	198.0	197.9	197.7	197.5	197.7	197.9	198.0	198.2	198.5	198.8	199.1
120°	214.5	214.6	214.8	215.0	214.8	214.6	214.5	214.3	214.4	214.8	215.3
122.5°	230.5	230.2	229.8	229.5	229.8	230.2	230.5	230.8	231.1	231.4	231.8
125°	255.1	254.9	254.8	254.6	254.8	254.9	255.1	255.3	255.5	255.7	255.8
127.5°	278.2	278.0	277.9	277.8	277.9	278.0	278.2	278.3	278.5	278.7	278.8
130°	294.0	293.6	293.3	292.9	293.3	293.6	294.0	294.4	294.6	294.8	295.0
132.5°	309.5	309.4	309.2	309.2	309.2	309.4	309.5	309.7	309.9	310.0	310.2
135°	332.2	331.9	331.6	331.4	331.6	331.9	332.2	332.4	332.6	332.8	333.0
137.5°	354.5	354.5	354.6	354.7	354.6	354.5	354.5	354.5	354.5	354.8	355.0
140°	369.2	369.1	369.0	368.9	369.0	369.1	369.2	369.3	369.3	369.4	369.5
142.5°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.3	383.3	383.3
145°	403.2	403.0	402.7	402.4	402.7	403.0	403.2	403.5	403.7	403.8	403.9
147.5°	422.3	422.2	422.1	422.0	422.1	422.2	422.3	422.4	422.5	422.5	422.6
150°	434.3	434.2	434.1	434.0	434.1	434.2	434.3	434.4	434.4	434.4	434.4
152.5°	445.7	445.4	445.2	445.0	445.2	445.4	445.7	445.9	445.9	445.7	445.5
155°	461.3	460.9	460.6	460.2	460.6	460.9	461.3	461.6	461.6	461.3	460.9
157.5°	474.8	474.5	474.2	473.9	474.2	474.5	474.8	475.1	475.1	474.8	474.6
160°	483.0	482.6	482.1	481.6	482.1	482.6	483.0	483.5	483.6	483.3	483.0
162.5°	491.1	490.6	490.2	489.7	490.2	490.6	491.1	491.5	491.5	491.1	490.5
165°	501.3	501.0	500.6	500.2	500.6	501.0	501.3	501.7	501.6	501.1	500.5
167.5°	509.4	508.9	508.3	507.7	508.3	508.9	509.4	510.0	510.0	509.4	508.9
170°	513.8	513.2	512.6	511.9	512.6	513.2	513.8	514.4	514.5	514.0	513.4
172.5°	517.4	516.7	516.1	515.5	516.1	516.7	517.4	518.0	518.0	517.5	516.8
175°	521.1	520.5	519.9	519.2	519.9	520.5	521.1	521.7	521.7	521.1	520.5
177.5°	522.9	522.4	521.7	521.2	521.7	522.4	522.9	523.4	523.5	523.0	522.5
180°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5



TEST NUMBER: P333056-940

CATALOG NUMBER: S124RDIW-S795D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1125.9	1128.5	1134.6	1141.4	1147.1	1152.0	1155.8	1161.1	1166.1	1172.9	1179.4
5°	1057.6	1064.2	1073.7	1085.0	1099.3	1108.8	1120.6	1131.0	1146.2	1161.5	1176.2
7.5°	997.6	1005.0	1018.9	1034.7	1051.5	1067.0	1081.1	1099.5	1119.6	1141.7	1166.4
10°	958.9	967.0	983.6	1001.6	1021.5	1036.7	1055.7	1077.5	1100.3	1127.3	1157.6
12.5°	924.0	931.7	951.7	970.1	990.8	1007.5	1029.5	1051.7	1082.0	1111.3	1145.8
15°	856.0	876.4	899.2	921.0	945.7	966.1	992.6	1015.4	1044.3	1085.6	1124.9
17.5°	780.5	802.3	830.5	864.2	897.2	922.5	949.4	977.7	1012.1	1054.3	1099.7
20°	736.5	754.0	785.3	822.8	861.2	896.3	921.0	952.3	987.8	1033.4	1080.3
22.5°	703.5	718.4	742.9	780.3	821.8	862.6	894.0	925.0	964.3	1009.9	1061.0
25°	654.0	670.1	691.4	717.0	764.5	807.6	848.9	884.5	926.2	971.7	1028.7
27.5°	612.8	626.9	646.4	673.1	704.9	752.5	802.5	843.1	885.9	934.8	991.8
30°	588.5	599.9	616.1	643.1	673.4	716.1	766.9	814.3	857.5	908.2	967.4
32.5°	563.1	575.2	591.0	612.3	645.0	680.8	731.6	783.5	829.4	881.3	939.4
35°	529.2	538.8	552.9	574.8	604.2	635.5	680.6	734.1	782.5	838.0	893.5
37.5°	495.0	506.2	517.4	536.8	561.0	594.6	631.5	686.3	739.9	790.5	844.6
40°	475.6	482.3	494.6	510.3	535.9	565.8	600.4	654.0	707.6	757.9	812.3
42.5°	454.1	461.5	471.9	487.5	510.5	539.6	573.5	619.8	675.7	724.4	774.1
45°	424.0	428.2	438.6	451.9	470.9	500.3	531.6	572.9	625.5	672.0	715.6
47.5°	393.6	397.3	403.9	416.0	437.3	460.8	490.2	527.2	573.4	619.8	656.7
50°	372.7	376.0	382.3	393.6	412.6	435.9	464.8	497.9	539.2	583.8	614.7
52.5°	351.9	353.7	359.4	372.4	388.3	411.2	437.0	467.6	506.2	543.2	574.4
55°	318.7	323.0	326.7	336.3	351.4	373.3	396.5	425.4	455.3	486.6	513.1
57.5°	284.1	288.7	294.3	302.6	314.6	334.9	355.8	379.2	404.7	430.7	453.0
60°	261.3	265.6	270.3	279.8	290.7	306.8	329.6	350.0	369.4	393.2	415.4
62.5°	238.9	243.2	248.7	256.3	266.8	282.1	301.1	318.9	339.1	359.8	376.4
65°	205.8	209.1	213.4	220.5	230.5	244.2	259.8	273.7	291.7	306.8	322.0
67.5°	169.5	175.8	181.5	187.3	195.6	208.5	219.8	232.9	245.2	256.5	270.3
70°	145.6	152.8	157.9	164.1	172.2	183.1	193.9	203.0	212.9	223.8	236.2
72.5°	125.5	131.1	135.2	141.7	149.0	159.2	169.3	176.8	184.9	192.3	204.3
75°	99.2	101.5	104.3	109.6	116.2	123.8	131.9	138.5	143.2	149.9	158.4
77.5°	71.2	75.8	77.7	81.4	86.1	90.9	96.2	101.7	106.3	108.7	115.2
80°	54.6	56.4	58.3	63.6	66.4	71.2	74.9	80.2	82.0	84.4	90.6
82.5°	42.4	43.5	44.7	46.1	47.8	52.5	56.4	59.7	61.5	62.4	67.1
85°	24.7	25.1	25.6	26.1	26.6	26.6	28.4	30.9	34.2	34.2	35.6
87.5°	10.3	10.5	10.3	9.8	10.4	10.3	10.5	10.3	11.2	12.2	13.1
90°	9.5	8.9	8.2	7.5	6.8	6.0	5.2	4.2	3.2	2.2	1.2
92.5°	16.3	16.0	15.5	15.0	14.5	14.0	13.2	12.0	10.9	9.8	8.6
95°	30.9	30.7	30.1	29.4	28.8	28.2	27.5	26.7	25.9	25.1	24.3
97.5°	48.9	48.6	47.8	47.1	46.4	45.7	44.9	44.3	43.6	43.0	42.4
100°	62.0	61.8	61.0	60.2	59.4	58.6	58.1	57.6	57.2	56.9	56.5
102.5°	75.6	75.4	74.6	73.9	73.2	72.5	72.1	71.9	71.7	71.6	71.4
105°	96.4	96.1	95.8	95.4	95.1	94.7	94.5	94.4	94.3	94.3	94.2
107.5°	119.0	118.7	118.7	118.6	118.6	118.5	118.4	118.3	118.2	118.1	118.0
110°	134.4	134.6	134.6	134.7	134.8	134.9	134.8	134.6	134.5	134.3	134.1



TEST NUMBER: P333056-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	150.3	150.4	150.5	150.7	150.9	151.1	151.1	151.1	151.1	151.0	151.0
115°	175.3	175.4	175.6	175.8	175.9	176.1	176.2	176.2	176.2	176.2	176.2
117.5°	199.4	199.7	199.8	199.9	200.1	200.2	200.2	200.2	200.1	200.0	199.9
120°	215.7	216.2	216.4	216.7	217.0	217.2	217.2	216.9	216.5	216.2	215.8
122.5°	232.0	232.4	232.5	232.6	232.7	232.8	232.8	232.6	232.6	232.4	232.3
125°	256.0	256.2	256.3	256.4	256.5	256.5	256.5	256.5	256.5	256.5	256.5
127.5°	279.0	279.2	279.4	279.5	279.6	279.8	279.7	279.5	279.2	278.9	278.7
130°	295.2	295.3	295.3	295.3	295.3	295.3	295.2	295.0	294.7	294.4	294.2
132.5°	310.4	310.6	310.7	310.7	310.8	310.9	310.8	310.6	310.4	310.2	310.0
135°	333.1	333.3	333.3	333.3	333.3	333.3	333.1	332.5	332.0	331.4	330.9
137.5°	355.3	355.5	355.3	355.3	355.1	354.9	354.7	354.5	354.2	354.0	353.7
140°	369.6	369.7	369.7	369.7	369.7	369.7	369.6	369.4	369.3	369.1	368.9
142.5°	383.3	383.3	383.3	383.4	383.5	383.6	383.5	383.3	383.2	383.0	382.8
145°	403.9	404.0	403.9	403.9	403.8	403.7	403.5	403.1	402.8	402.4	402.1
147.5°	422.7	422.8	422.8	422.8	422.9	423.0	422.8	422.4	422.0	421.5	421.2
150°	434.4	434.4	434.4	434.4	434.4	434.4	434.2	433.8	433.5	433.1	432.7
152.5°	445.2	445.1	445.0	444.9	444.8	444.8	444.6	444.4	444.2	444.0	443.7
155°	460.6	460.2	460.3	460.4	460.5	460.6	460.7	460.7	460.7	460.7	460.7
157.5°	474.3	474.0	474.0	474.1	474.1	474.1	474.2	474.4	474.6	474.7	474.8
160°	482.8	482.5	482.6	482.7	482.8	482.9	483.0	483.0	483.1	483.2	483.3
162.5°	490.1	489.5	489.6	489.7	489.8	489.9	490.1	490.4	490.5	490.8	491.1
165°	500.0	499.4	499.6	499.8	500.0	500.2	500.3	500.6	500.9	501.1	501.4
167.5°	508.4	507.8	507.8	507.8	507.7	507.7	507.9	508.4	508.7	509.1	509.4
170°	512.9	512.4	512.3	512.2	512.1	512.0	512.2	512.6	513.1	513.5	514.0
172.5°	516.2	515.6	515.6	515.6	515.5	515.5	515.7	516.1	516.5	516.8	517.2
175°	519.9	519.2	519.3	519.4	519.5	519.6	519.9	520.3	520.8	521.2	521.7
177.5°	522.0	521.5	521.5	521.5	521.5	521.5	521.7	522.0	522.4	522.7	523.1
180°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5



TEST NUMBER: P333056-940

CATALOG NUMBER: S124RDIW-S795D470U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1184.3	1187.7	1191.5	1198.7	1204.8	1207.5	1212.7	1216.6	1215.4	1220.7	1229.8
5°	1188.9	1201.8	1216.5	1231.6	1248.7	1262.9	1274.3	1285.7	1294.7	1305.6	1321.7
7.5°	1188.2	1210.9	1235.7	1262.9	1290.9	1315.1	1337.5	1360.2	1380.5	1402.6	1431.5
10°	1185.2	1215.5	1246.3	1281.9	1317.4	1351.1	1381.4	1410.0	1437.0	1465.9	1502.4
12.5°	1181.7	1216.7	1253.9	1296.6	1341.0	1381.4	1417.1	1458.1	1492.0	1529.3	1571.5
15°	1166.6	1213.6	1264.4	1319.8	1373.0	1427.5	1476.3	1526.6	1573.5	1618.1	1671.2
17.5°	1149.4	1203.5	1263.4	1328.9	1392.8	1459.0	1517.0	1580.4	1628.4	1688.2	1737.5
20°	1135.3	1193.6	1257.7	1331.2	1403.7	1477.3	1541.3	1605.8	1659.8	1720.1	1782.7
22.5°	1118.3	1182.3	1251.6	1327.8	1403.7	1484.1	1555.0	1619.1	1686.0	1753.8	1818.4
25°	1090.7	1157.2	1230.7	1314.1	1401.4	1483.5	1559.3	1639.0	1711.1	1784.6	1842.5
27.5°	1057.0	1126.7	1204.2	1290.3	1379.8	1463.9	1553.3	1638.2	1710.7	1781.5	1831.9
30°	1030.0	1103.6	1178.0	1265.2	1358.3	1448.3	1544.2	1629.1	1705.4	1769.0	1797.4
32.5°	1002.4	1072.1	1148.8	1237.2	1332.4	1429.4	1524.4	1611.2	1681.9	1720.0	1720.7
35°	954.2	1019.6	1099.3	1186.1	1283.8	1389.1	1485.3	1570.7	1613.8	1617.2	1570.7
37.5°	901.6	961.7	1036.9	1123.7	1230.7	1335.5	1433.9	1490.8	1505.1	1456.9	1370.9
40°	864.1	919.5	992.1	1081.3	1187.5	1295.7	1385.3	1427.0	1411.8	1333.6	1237.8
42.5°	824.7	876.3	946.2	1034.2	1140.9	1250.1	1326.4	1348.9	1308.7	1218.3	1106.2
45°	760.2	807.6	876.9	965.5	1068.0	1170.5	1228.3	1216.9	1150.0	1042.9	917.2
47.5°	693.1	739.0	801.3	883.3	988.2	1076.7	1115.8	1081.5	986.3	868.4	766.2
50°	648.8	695.7	753.1	831.3	927.1	1012.5	1037.7	985.5	879.8	766.3	672.4
52.5°	605.1	645.2	701.5	777.1	868.7	940.8	954.2	894.0	784.9	683.3	600.0
55°	538.8	575.2	622.7	693.8	773.0	834.2	827.1	749.8	650.7	563.9	498.5
57.5°	474.6	502.0	545.8	612.5	682.1	723.1	697.1	631.2	538.9	467.8	412.6
60°	432.0	457.6	498.5	556.8	618.0	641.1	619.4	547.8	474.7	409.7	363.3
62.5°	391.8	414.4	449.5	503.6	553.0	566.9	543.5	481.0	415.2	359.6	321.2
65°	333.4	354.3	384.1	422.6	456.7	463.3	448.2	384.1	334.3	287.8	261.3
67.5°	280.4	294.0	317.4	350.5	368.7	372.6	343.2	303.0	259.1	230.6	210.5
70°	244.7	254.2	276.0	294.0	308.7	309.2	282.1	249.9	216.2	193.1	178.3
72.5°	210.2	219.3	235.8	248.2	259.4	255.7	231.0	205.5	178.3	160.8	149.9
75°	162.2	170.2	178.8	184.5	184.5	179.8	161.8	142.8	127.1	116.6	113.3
77.5°	117.9	124.6	127.4	126.5	124.8	117.4	106.0	93.6	88.0	83.1	80.6
80°	92.5	95.3	96.3	93.9	91.0	82.5	74.9	69.7	64.5	62.6	61.6
82.5°	68.6	71.1	68.6	69.2	63.0	56.0	51.8	50.0	47.8	47.1	46.1
85°	36.6	36.0	35.1	32.7	28.4	27.5	27.0	26.6	25.6	26.1	25.1
87.5°	12.9	12.0	10.7	10.5	10.7	10.1	10.6	10.7	10.9	10.6	11.5
90°	2.2	3.2	4.2	5.2	6.0	6.8	7.5	8.2	8.9	9.5	10.0
92.5°	9.8	10.9	12.0	13.2	14.0	14.5	15.0	15.5	16.0	16.3	16.7
95°	25.1	25.9	26.7	27.5	28.2	28.8	29.4	30.1	30.7	30.9	31.2
97.5°	43.0	43.6	44.3	44.9	45.7	46.4	47.1	47.8	48.6	48.9	49.2
100°	56.9	57.2	57.6	58.1	58.6	59.4	60.2	61.0	61.8	62.0	62.2
102.5°	71.6	71.7	71.9	72.1	72.5	73.2	73.9	74.6	75.4	75.6	75.9
105°	94.3	94.3	94.4	94.5	94.7	95.1	95.4	95.8	96.1	96.4	96.8
107.5°	118.1	118.2	118.3	118.4	118.5	118.6	118.6	118.7	118.7	119.0	119.2
110°	134.3	134.5	134.6	134.8	134.9	134.8	134.7	134.6	134.6	134.4	134.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	151.0	151.1	151.1	151.1	151.1	150.9	150.7	150.5	150.4	150.3	150.3
115°	176.2	176.2	176.2	176.2	176.1	175.9	175.8	175.6	175.4	175.3	175.2
117.5°	200.0	200.1	200.2	200.2	200.2	200.1	199.9	199.8	199.7	199.4	199.1
120°	216.2	216.5	216.9	217.2	217.2	217.0	216.7	216.4	216.2	215.7	215.3
122.5°	232.4	232.6	232.6	232.8	232.8	232.7	232.6	232.5	232.4	232.0	231.8
125°	256.5	256.5	256.5	256.5	256.5	256.5	256.4	256.3	256.2	256.0	255.8
127.5°	278.9	279.2	279.5	279.7	279.8	279.6	279.5	279.4	279.2	279.0	278.8
130°	294.4	294.7	295.0	295.2	295.3	295.3	295.3	295.3	295.3	295.2	295.0
132.5°	310.2	310.4	310.6	310.8	310.9	310.8	310.7	310.7	310.6	310.4	310.2
135°	331.4	332.0	332.5	333.1	333.3	333.3	333.3	333.3	333.3	333.1	333.0
137.5°	354.0	354.2	354.5	354.7	354.9	355.1	355.3	355.3	355.5	355.3	355.0
140°	369.1	369.3	369.4	369.6	369.7	369.7	369.7	369.7	369.7	369.6	369.5
142.5°	383.0	383.2	383.3	383.5	383.6	383.5	383.4	383.3	383.3	383.3	383.3
145°	402.4	402.8	403.1	403.5	403.7	403.8	403.9	403.9	404.0	403.9	403.9
147.5°	421.5	422.0	422.4	422.8	423.0	422.9	422.8	422.8	422.8	422.7	422.6
150°	433.1	433.5	433.8	434.2	434.4	434.4	434.4	434.4	434.4	434.4	434.4
152.5°	444.0	444.2	444.4	444.6	444.8	444.8	444.9	445.0	445.1	445.2	445.5
155°	460.7	460.7	460.7	460.7	460.6	460.5	460.4	460.3	460.2	460.6	460.9
157.5°	474.7	474.6	474.4	474.2	474.1	474.1	474.1	474.0	474.0	474.3	474.6
160°	483.2	483.1	483.0	483.0	482.9	482.8	482.7	482.6	482.5	482.8	483.0
162.5°	490.8	490.5	490.4	490.1	489.9	489.8	489.7	489.6	489.5	490.1	490.5
165°	501.1	500.9	500.6	500.3	500.2	500.0	499.8	499.6	499.4	500.0	500.5
167.5°	509.1	508.7	508.4	507.9	507.7	507.7	507.8	507.8	507.8	508.4	508.9
170°	513.5	513.1	512.6	512.2	512.0	512.1	512.2	512.3	512.4	512.9	513.4
172.5°	516.8	516.5	516.1	515.7	515.5	515.5	515.6	515.6	515.6	516.2	516.8
175°	521.2	520.8	520.3	519.9	519.6	519.5	519.4	519.3	519.2	519.9	520.5
177.5°	522.7	522.4	522.0	521.7	521.5	521.5	521.5	521.5	521.5	522.0	522.5
180°	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5	522.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1234.8	1236.3	1237.4	1241.2	1241.5	1245.0	1241.5
5°	1336.9	1343.5	1354.0	1364.4	1365.4	1372.0	1360.1
7.5°	1451.4	1466.9	1476.4	1493.3	1499.9	1504.1	1497.3
10°	1530.4	1544.6	1569.8	1582.1	1594.4	1596.3	1590.6
12.5°	1606.7	1629.2	1649.0	1672.4	1671.8	1688.5	1682.4
15°	1708.3	1731.4	1759.0	1785.0	1794.6	1794.6	1802.1
17.5°	1780.7	1823.3	1851.7	1872.2	1894.6	1898.5	1895.9
20°	1829.6	1875.6	1906.0	1932.5	1947.8	1952.0	1952.0
22.5°	1866.1	1905.2	1934.8	1958.7	1971.2	1976.3	1974.8
25°	1891.3	1924.9	1942.9	1950.1	1953.4	1952.5	1943.5
27.5°	1856.7	1855.2	1843.9	1822.0	1805.6	1795.6	1784.3
30°	1790.7	1766.1	1737.7	1706.3	1666.0	1635.2	1625.7
32.5°	1692.5	1637.1	1588.9	1536.8	1493.4	1462.6	1449.7
35°	1502.4	1414.7	1343.1	1280.5	1234.9	1206.5	1197.0
37.5°	1276.8	1191.9	1103.3	1042.6	1004.9	976.1	965.4
40°	1133.5	1041.0	963.7	906.8	867.9	839.9	839.5
42.5°	1002.6	914.3	841.5	800.5	758.6	740.1	740.0
45°	820.9	750.3	688.6	656.4	631.2	616.1	611.8
47.5°	679.7	621.3	580.1	554.5	534.0	524.3	518.1
50°	600.4	549.2	516.5	494.2	482.8	470.5	469.5
52.5°	534.4	493.0	467.5	449.4	435.0	427.6	427.8
55°	449.1	416.4	398.3	384.6	373.3	367.6	365.2
57.5°	378.4	353.8	340.7	328.1	323.2	318.8	317.5
60°	334.3	317.7	305.4	295.4	288.4	287.0	286.4
62.5°	297.9	280.5	272.1	264.3	259.1	256.9	256.1
65°	245.7	232.8	225.2	219.1	217.2	213.9	213.4
67.5°	198.0	190.4	185.3	181.1	178.5	178.3	178.3
70°	168.8	164.5	160.3	157.9	156.5	155.5	155.5
72.5°	143.8	140.6	137.1	135.9	135.6	134.6	134.3
75°	109.6	106.2	106.7	104.3	102.5	100.0	98.6
77.5°	77.7	75.3	74.8	74.5	72.9	72.7	73.4
80°	60.2	57.9	57.4	57.9	57.4	56.0	56.0
82.5°	45.8	43.8	43.3	43.1	42.6	43.1	42.3
85°	24.7	23.7	23.7	23.7	24.7	24.2	23.7
87.5°	10.8	10.5	11.0	10.7	10.7	10.3	10.8
90°	10.5	11.1	11.4	11.6	11.8	11.9	12.1
92.5°	16.9	17.3	17.5	17.7	17.7	17.8	17.9
95°	31.5	31.7	31.9	31.9	31.9	31.9	31.9
97.5°	49.6	49.8	50.0	50.0	50.0	50.0	50.0
100°	62.3	62.5	62.6	62.6	62.6	62.6	62.6
102.5°	76.2	76.4	76.6	76.6	76.7	76.8	76.9
105°	97.0	97.3	97.6	97.8	98.1	98.4	98.6
107.5°	119.5	119.8	119.8	119.8	119.8	119.8	119.8
110°	134.0	133.8	133.8	134.1	134.4	134.6	134.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	150.3	150.3	150.3	150.3	150.3	150.4	150.4
115°	175.1	175.0	175.0	174.9	174.8	174.7	174.6
117.5°	198.8	198.5	198.2	198.0	197.9	197.7	197.5
120°	214.8	214.4	214.3	214.5	214.6	214.8	215.0
122.5°	231.4	231.1	230.8	230.5	230.2	229.8	229.5
125°	255.7	255.5	255.3	255.1	254.9	254.8	254.6
127.5°	278.7	278.5	278.3	278.2	278.0	277.9	277.8
130°	294.8	294.6	294.4	294.0	293.6	293.3	292.9
132.5°	310.0	309.9	309.7	309.5	309.4	309.2	309.2
135°	332.8	332.6	332.4	332.2	331.9	331.6	331.4
137.5°	354.8	354.5	354.5	354.5	354.5	354.6	354.7
140°	369.4	369.3	369.3	369.2	369.1	369.0	368.9
142.5°	383.3	383.3	383.2	383.2	383.2	383.2	383.2
145°	403.8	403.7	403.5	403.2	403.0	402.7	402.4
147.5°	422.5	422.5	422.4	422.3	422.2	422.1	422.0
150°	434.4	434.4	434.4	434.3	434.2	434.1	434.0
152.5°	445.7	445.9	445.9	445.7	445.4	445.2	445.0
155°	461.3	461.6	461.6	461.3	460.9	460.6	460.2
157.5°	474.8	475.1	475.1	474.8	474.5	474.2	473.9
160°	483.3	483.6	483.5	483.0	482.6	482.1	481.6
162.5°	491.1	491.5	491.5	491.1	490.6	490.2	489.7
165°	501.1	501.6	501.7	501.3	501.0	500.6	500.2
167.5°	509.4	510.0	510.0	509.4	508.9	508.3	507.7
170°	514.0	514.5	514.4	513.8	513.2	512.6	511.9
172.5°	517.5	518.0	518.0	517.4	516.7	516.1	515.5
175°	521.1	521.7	521.7	521.1	520.5	519.9	519.2
177.5°	523.0	523.5	523.4	522.9	522.4	521.7	521.2
180°	522.5	522.5	522.5	522.5	522.5	522.5	522.5

(END OF REPORT)