

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: P332776-927

Luminaire Tested: **S124DIW-S795D470U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332776-927
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: S124DIW-S795D470U927-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4095.2 lumens
Efficiency: N/A
Efficacy: 108.6 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: Semi-Direct

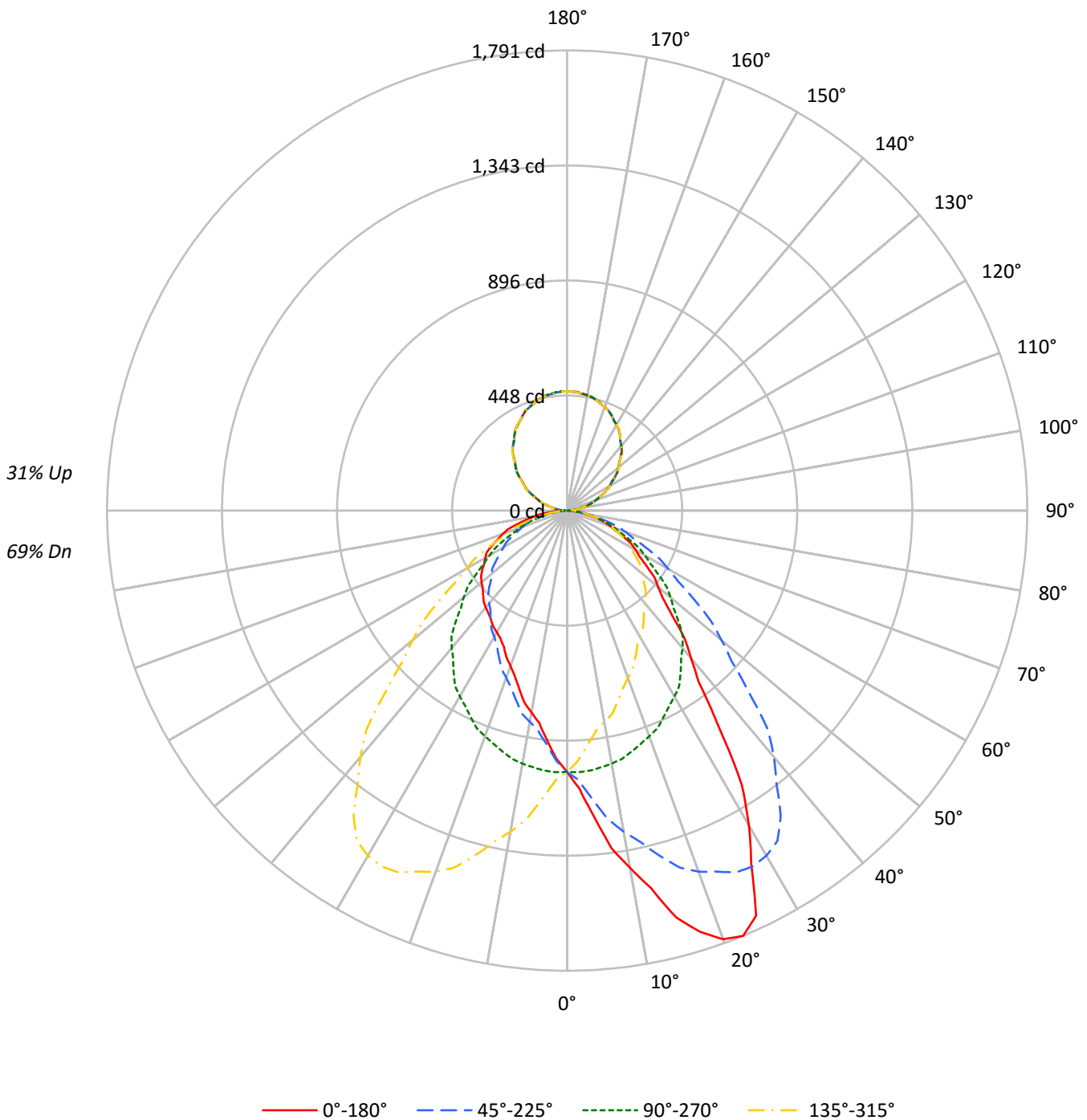
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	69
1	102	98	94	90	96	93	89	86	83	80	78	74	72	70	65	64	62	58
2	93	86	80	74	88	81	76	71	73	69	65	65	62	59	58	55	53	49
3	85	76	68	62	80	72	65	60	65	59	55	58	54	50	51	48	46	42
4	78	67	59	53	74	64	57	51	58	52	47	52	47	43	46	43	39	36
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35	32
6	67	54	46	40	63	52	44	39	47	41	36	42	37	33	38	34	31	28
7	62	49	41	35	58	47	40	34	43	36	32	39	33	30	35	31	27	25
8	57	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8211	8211	8211	8211
5°	9669	8232	7266	8232
10°	11576	8196	6542	8196
15°	13697	8113	6007	8113
20°	15253	8028	5530	8028
25°	15499	7904	5201	7904
30°	13189	7784	5097	7784
35°	10139	7591	5099	7591
40°	7904	7361	5195	7361
45°	6590	7018	5281	7018
50°	5800	6599	5461	6599
55°	5313	6096	5681	6096
60°	4979	5646	5945	5646
65°	4634	5142	6164	5142
70°	4237	4645	6305	4645
75°	3787	4086	6229	4086
80°	3175	3347	6034	3347
85°	2343	2418	5771	2418



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	2.4
10°-20°	305.4	7.5
20°-30°	484.3	11.8
30°-40°	539.0	13.2
40°-50°	490.6	12.0
50°-60°	400.9	9.8
60°-70°	286.2	7.0
70°-80°	157.6	3.8
80°-90°	44.4	1.1
90°-100°	30.6	0.7
100°-110°	90.7	2.2
110°-120°	153.9	3.8
120°-130°	203.0	5.0
130°-140°	227.9	5.6
140°-150°	224.0	5.5
150°-160°	188.4	4.6
160°-170°	125.3	3.1
170°-180°	43.9	1.1
0°-30°	888.8	21.7
0°-40°	1427.7	34.9
0°-60°	2319.2	56.6
0°-90°	2807.5	68.6
90°-120°	275.2	6.7
90°-150°	930.1	22.7
90°-180°	1288.0	31.5
0°-180°	4095.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1017	1017	1017	1017	1017	
5°	1193	1016	897	1016	1193	121
15°	1639	971	719	971	1639	463
25°	1740	887	584	887	1740	767
35°	1029	770	517	770	1029	653
45°	577	615	463	615	577	455
55°	378	433	404	433	378	341
65°	243	269	323	269	243	240
75°	121	131	200	131	121	129
85°	25	26	62	26	25	31
90°	11	1	11	1	11	6
95°	28	22	28	22	28	30
105°	88	84	88	84	88	92
115°	155	156	155	156	155	153
125°	226	228	226	228	226	202
135°	294	294	294	294	294	227
145°	358	357	358	357	358	224
155°	409	409	409	409	409	188
165°	444	445	444	445	444	125
175°	461	463	461	463	461	44
180°	464	464	464	464	464	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1082.4	1082.1	1078.7	1078.1	1075.7	1072.7	1072.0	1066.6	1055.8	1050.8	1049.4
5°	1193.2	1201.6	1190.6	1188.5	1187.2	1173.4	1166.2	1157.8	1138.4	1127.0	1118.2
7.5°	1325.3	1326.3	1321.5	1317.6	1306.9	1294.7	1276.6	1257.2	1234.1	1210.1	1192.0
10°	1412.2	1415.6	1410.2	1409.3	1387.8	1374.4	1347.3	1324.6	1298.5	1269.4	1242.9
12.5°	1504.0	1499.2	1496.4	1478.4	1474.4	1449.9	1418.5	1395.0	1354.8	1321.4	1286.0
15°	1638.9	1629.7	1623.7	1598.9	1586.7	1552.5	1519.2	1493.6	1440.9	1390.8	1352.8
17.5°	1718.1	1727.4	1713.7	1703.5	1671.9	1648.0	1614.0	1560.0	1518.9	1456.6	1408.7
20°	1775.4	1776.2	1768.7	1758.2	1733.3	1703.0	1665.9	1606.9	1557.6	1495.6	1430.0
22.5°	1790.9	1791.1	1787.9	1778.1	1759.2	1734.6	1697.3	1648.0	1588.2	1520.9	1455.2
25°	1740.0	1738.4	1742.2	1753.1	1745.9	1738.4	1716.8	1680.2	1624.6	1553.4	1482.6
27.5°	1550.9	1562.6	1584.0	1610.9	1636.9	1656.7	1662.2	1654.7	1620.3	1561.7	1487.6
30°	1414.8	1429.1	1445.1	1472.0	1524.3	1554.3	1587.1	1611.9	1598.1	1551.3	1482.2
32.5°	1265.1	1268.7	1292.4	1323.1	1371.0	1428.5	1480.6	1531.1	1547.8	1523.3	1465.7
35°	1028.8	1034.7	1060.4	1090.8	1149.4	1219.7	1298.1	1368.0	1425.7	1448.9	1419.4
37.5°	839.6	856.5	874.6	907.3	958.9	1022.2	1103.6	1194.1	1280.1	1337.8	1347.5
40°	750.0	760.5	773.6	798.4	842.2	904.6	974.5	1078.2	1169.6	1252.1	1279.1
42.5°	679.1	685.3	693.3	715.8	749.2	811.2	875.0	966.2	1058.0	1156.7	1201.9
45°	577.2	583.5	597.0	610.1	635.3	678.3	737.7	812.7	905.0	1000.2	1083.6
47.5°	503.6	507.6	515.6	529.6	551.0	579.4	627.7	690.4	775.9	868.3	957.2
50°	461.8	465.1	471.4	484.1	500.5	525.8	565.4	624.0	690.9	784.1	871.2
52.5°	428.7	430.1	434.7	443.3	456.4	477.6	510.1	558.6	620.8	703.9	790.8
55°	377.5	379.2	383.4	389.8	401.1	414.5	439.4	475.6	530.0	602.1	677.5
57.5°	335.3	336.5	340.1	342.5	351.9	362.8	382.0	407.8	449.0	510.1	577.4
60°	308.4	307.5	311.8	313.9	320.2	329.5	344.2	369.1	404.9	454.2	516.1
62.5°	282.1	280.9	284.5	287.2	290.9	298.8	310.9	330.3	359.4	403.9	457.5
65°	242.6	241.0	243.1	246.4	249.9	254.1	262.9	280.2	303.3	335.3	376.2
67.5°	203.0	204.9	205.2	206.8	208.8	214.5	220.6	232.8	249.1	274.8	309.4
70°	179.5	179.9	181.6	181.6	182.8	187.9	193.0	200.1	216.1	239.7	267.9
72.5°	155.9	157.6	157.0	158.4	159.2	162.6	166.4	173.2	186.8	204.3	228.1
75°	121.4	122.6	122.6	123.0	124.3	125.6	128.5	133.6	143.2	156.3	172.8
77.5°	88.5	88.6	89.2	90.8	90.8	92.8	95.0	99.0	103.8	112.7	122.8
80°	68.3	69.1	68.7	69.6	69.6	71.2	72.0	77.1	79.2	85.1	93.1
82.5°	50.1	50.9	50.8	52.0	52.7	53.0	54.2	56.2	58.3	63.5	66.8
85°	25.3	26.1	25.3	26.1	27.4	27.8	29.1	29.5	31.2	32.5	35.4
87.5°	9.6	10.5	10.5	10.9	11.5	11.7	12.0	11.6	12.8	13.1	14.3
90°	10.8	10.6	10.5	10.3	10.1	9.8	9.3	8.9	8.4	7.9	7.3
92.5°	15.9	15.8	15.8	15.7	15.5	15.4	15.1	14.8	14.5	14.2	13.8
95°	28.4	28.4	28.4	28.4	28.4	28.2	28.0	27.7	27.5	27.3	26.7
97.5°	44.4	44.4	44.4	44.4	44.4	44.3	44.0	43.7	43.4	43.2	42.5
100°	55.6	55.6	55.6	55.6	55.6	55.5	55.4	55.2	55.1	54.9	54.2
102.5°	68.3	68.2	68.1	68.0	68.0	67.9	67.7	67.4	67.2	67.0	66.3
105°	87.6	87.4	87.1	86.9	86.7	86.4	86.2	86.0	85.6	85.4	85.1
107.5°	106.4	106.4	106.5	106.5	106.5	106.4	106.2	105.9	105.7	105.4	105.4
110°	119.9	119.6	119.4	119.1	118.9	118.9	119.1	119.2	119.4	119.5	119.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	133.6	133.6	133.6	133.6	133.5	133.5	133.5	133.6	133.6	133.6	133.7
115°	155.1	155.2	155.3	155.3	155.4	155.5	155.6	155.7	155.7	155.8	156.0
117.5°	175.5	175.6	175.8	175.9	176.1	176.3	176.6	176.9	177.1	177.4	177.5
120°	191.0	190.8	190.7	190.5	190.4	190.4	190.8	191.2	191.6	192.0	192.3
122.5°	203.9	204.1	204.5	204.8	205.0	205.3	205.6	205.9	206.1	206.4	206.5
125°	226.2	226.3	226.5	226.6	226.8	227.0	227.1	227.3	227.4	227.6	227.7
127.5°	246.8	246.9	247.0	247.2	247.2	247.4	247.6	247.7	247.9	248.0	248.2
130°	260.2	260.5	260.9	261.2	261.5	261.7	261.9	262.1	262.2	262.4	262.4
132.5°	274.6	274.7	274.9	275.0	275.1	275.3	275.4	275.6	275.8	275.9	276.0
135°	294.4	294.6	294.9	295.1	295.3	295.5	295.6	295.8	296.0	296.1	296.1
137.5°	315.1	315.1	315.0	315.0	314.9	315.0	315.2	315.4	315.6	315.8	315.7
140°	327.7	327.8	327.9	328.0	328.0	328.1	328.2	328.3	328.4	328.4	328.4
142.5°	340.4	340.4	340.4	340.4	340.4	340.5	340.5	340.5	340.5	340.5	340.6
145°	357.5	357.7	358.0	358.2	358.5	358.6	358.7	358.8	358.9	358.9	358.9
147.5°	374.9	375.0	375.1	375.2	375.3	375.3	375.3	375.4	375.5	375.6	375.7
150°	385.6	385.6	385.7	385.8	385.9	385.9	385.9	385.9	385.9	385.9	385.9
152.5°	395.3	395.5	395.7	395.9	396.1	396.2	395.9	395.8	395.5	395.4	395.3
155°	408.8	409.2	409.5	409.8	410.1	410.1	409.8	409.5	409.2	408.8	408.9
157.5°	421.0	421.3	421.5	421.8	422.1	422.1	421.8	421.6	421.4	421.1	421.1
160°	427.9	428.3	428.7	429.1	429.5	429.6	429.4	429.1	428.9	428.6	428.7
162.5°	435.1	435.5	435.9	436.3	436.7	436.7	436.3	435.8	435.4	434.9	435.0
165°	444.4	444.7	445.0	445.4	445.7	445.6	445.1	444.7	444.2	443.7	443.9
167.5°	451.1	451.5	452.1	452.6	453.0	453.0	452.6	452.1	451.6	451.1	451.1
170°	454.8	455.3	455.9	456.5	457.0	457.1	456.6	456.1	455.7	455.2	455.1
172.5°	458.0	458.5	459.1	459.6	460.2	460.2	459.7	459.1	458.6	458.0	458.0
175°	461.3	461.8	462.4	463.0	463.5	463.5	463.0	462.4	461.8	461.3	461.4
177.5°	463.0	463.5	464.1	464.5	465.0	465.1	464.6	464.2	463.7	463.3	463.3
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1049.7	1045.0	1041.6	1038.9	1031.6	1027.1	1023.8	1019.1	1013.7	1008.0	1000.8
5°	1109.3	1095.0	1084.5	1068.4	1053.3	1040.6	1027.6	1015.8	1001.5	985.9	974.5
7.5°	1172.0	1150.6	1123.3	1099.6	1073.0	1049.8	1029.1	1007.9	985.8	964.4	944.8
10°	1211.7	1184.3	1154.0	1118.2	1084.5	1054.6	1026.7	999.8	973.7	947.5	925.2
12.5°	1254.5	1220.4	1175.5	1133.7	1095.9	1055.9	1022.4	989.4	957.8	930.3	904.3
15°	1311.9	1262.7	1210.9	1154.8	1105.1	1058.4	1012.4	970.7	935.3	899.0	873.8
17.5°	1347.3	1286.3	1227.0	1168.5	1108.3	1049.3	999.8	951.6	907.4	871.3	839.5
20°	1370.6	1309.9	1236.1	1177.6	1106.0	1045.3	988.0	934.5	888.1	849.8	816.9
22.5°	1390.8	1320.6	1246.9	1169.8	1098.5	1034.2	971.5	917.6	870.3	829.9	798.4
25°	1401.7	1321.2	1241.2	1164.5	1083.6	1007.3	950.5	887.3	836.7	794.2	760.5
27.5°	1402.9	1316.8	1226.3	1141.1	1057.6	986.6	914.7	858.3	805.8	760.8	728.4
30°	1399.2	1309.5	1212.1	1119.8	1036.0	958.9	896.6	835.0	781.6	736.9	703.1
32.5°	1387.3	1294.0	1193.9	1096.2	1009.4	934.0	869.6	811.1	759.0	714.9	679.6
35°	1353.3	1261.0	1154.4	1052.9	963.9	887.7	829.6	770.2	718.0	676.2	642.1
37.5°	1299.9	1216.5	1108.1	1003.1	915.8	839.2	781.6	727.9	680.7	638.3	603.4
40°	1253.4	1180.1	1071.4	969.0	874.6	801.8	747.8	698.5	651.8	611.7	578.5
42.5°	1199.8	1135.9	1035.7	927.2	836.2	763.0	710.4	666.1	622.1	585.1	551.8
45°	1104.2	1062.2	967.7	867.5	772.7	703.6	653.5	614.7	577.7	541.4	513.6
47.5°	994.3	973.5	894.1	798.8	708.8	640.7	597.2	561.4	528.9	498.3	473.7
50°	920.6	910.5	841.8	750.0	664.0	599.9	556.1	525.4	497.6	470.6	447.4
52.5°	847.8	847.4	785.5	701.4	621.9	560.2	516.7	488.0	463.9	442.0	421.1
55°	736.5	748.2	699.8	624.8	553.6	498.0	458.8	433.1	416.3	398.2	382.5
57.5°	634.2	653.8	613.9	547.8	488.4	437.1	403.1	383.7	365.8	354.8	343.5
60°	567.5	586.1	554.8	499.2	443.2	399.4	366.9	349.7	334.1	326.5	318.5
62.5°	508.2	524.7	501.6	450.0	401.4	359.3	331.9	315.3	304.8	296.5	291.2
65°	423.4	437.3	417.6	380.0	338.3	304.6	282.3	269.2	259.1	255.7	249.9
67.5°	342.3	354.9	344.2	312.4	278.9	253.3	235.9	223.4	217.4	214.4	210.2
70°	294.1	306.7	295.3	267.5	241.9	220.4	203.9	196.8	190.4	189.2	183.2
72.5°	253.3	261.9	250.5	228.8	206.8	188.7	175.9	168.4	165.2	162.9	159.7
75°	190.0	197.6	190.0	173.2	157.6	145.0	134.0	131.0	127.2	126.0	123.9
77.5°	134.5	141.1	135.2	124.7	113.0	103.3	97.4	93.6	92.8	90.5	91.6
80°	102.8	107.0	101.6	94.3	85.1	78.3	74.1	72.0	69.6	68.7	70.3
82.5°	73.8	75.7	72.9	68.0	61.2	56.8	53.9	51.5	51.0	51.2	51.2
85°	38.3	37.9	37.5	33.3	31.2	28.2	26.5	26.1	25.7	26.5	27.4
87.5°	14.1	14.3	13.9	12.4	11.2	10.0	9.5	9.0	9.5	10.0	10.5
90°	6.7	6.0	5.3	4.6	3.7	2.9	2.0	1.1	2.0	2.9	3.7
92.5°	13.3	12.9	12.4	11.7	10.7	9.7	8.7	7.7	8.7	9.7	10.7
95°	26.1	25.6	25.0	24.4	23.7	23.0	22.3	21.5	22.3	23.0	23.7
97.5°	41.8	41.2	40.6	39.9	39.4	38.7	38.2	37.6	38.2	38.7	39.4
100°	53.5	52.8	52.0	51.6	51.2	50.9	50.5	50.2	50.5	50.9	51.2
102.5°	65.7	65.0	64.4	64.0	63.8	63.7	63.6	63.5	63.6	63.7	63.8
105°	84.8	84.4	84.1	84.0	83.9	83.8	83.7	83.7	83.7	83.8	83.9
107.5°	105.4	105.4	105.3	105.2	105.1	105.0	104.9	104.8	104.9	105.0	105.1
110°	119.7	119.8	119.9	119.8	119.6	119.5	119.3	119.1	119.3	119.5	119.6



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	133.9	134.0	134.2	134.3	134.2	134.2	134.1	134.1	134.1	134.2	134.2
115°	156.1	156.3	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
117.5°	177.6	177.8	177.8	177.8	177.8	177.8	177.7	177.6	177.7	177.8	177.8
120°	192.5	192.7	193.0	193.0	192.7	192.3	192.0	191.7	192.0	192.3	192.7
122.5°	206.6	206.8	206.8	206.8	206.7	206.6	206.4	206.4	206.4	206.6	206.7
125°	227.8	227.8	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
127.5°	248.3	248.4	248.6	248.5	248.3	248.0	247.8	247.6	247.8	248.0	248.3
130°	262.4	262.4	262.4	262.3	262.1	261.8	261.6	261.3	261.6	261.8	262.1
132.5°	276.0	276.1	276.2	276.1	275.9	275.8	275.6	275.4	275.6	275.8	275.9
135°	296.1	296.1	296.1	295.9	295.4	294.9	294.5	294.0	294.5	294.9	295.4
137.5°	315.6	315.4	315.3	315.1	314.9	314.7	314.5	314.3	314.5	314.7	314.9
140°	328.4	328.4	328.4	328.4	328.2	328.0	327.9	327.7	327.9	328.0	328.2
142.5°	340.6	340.7	340.8	340.7	340.6	340.4	340.2	340.1	340.2	340.4	340.6
145°	358.8	358.7	358.6	358.5	358.1	357.8	357.5	357.2	357.5	357.8	358.1
147.5°	375.7	375.7	375.8	375.7	375.3	374.9	374.5	374.1	374.5	374.9	375.3
150°	385.9	385.9	385.9	385.7	385.4	385.1	384.8	384.4	384.8	385.1	385.4
152.5°	395.2	395.1	395.1	395.0	394.8	394.6	394.4	394.2	394.4	394.6	394.8
155°	409.0	409.1	409.2	409.2	409.2	409.2	409.2	409.2	409.2	409.2	409.2
157.5°	421.2	421.2	421.2	421.3	421.4	421.6	421.7	421.8	421.7	421.6	421.4
160°	428.8	428.9	429.0	429.0	429.1	429.2	429.3	429.4	429.3	429.2	429.1
162.5°	435.1	435.1	435.2	435.4	435.6	435.8	436.0	436.3	436.0	435.8	435.6
165°	444.0	444.2	444.3	444.5	444.7	445.0	445.2	445.4	445.2	445.0	444.7
167.5°	451.1	451.1	451.1	451.2	451.6	451.9	452.3	452.6	452.3	451.9	451.6
170°	455.0	455.0	454.9	455.0	455.4	455.8	456.2	456.6	456.2	455.8	455.4
172.5°	458.0	458.0	458.0	458.1	458.5	458.8	459.1	459.5	459.1	458.8	458.5
175°	461.4	461.5	461.6	461.8	462.2	462.6	463.0	463.4	463.0	462.6	462.2
177.5°	463.3	463.3	463.3	463.4	463.7	464.1	464.4	464.7	464.4	464.1	463.7
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	997.5	994.5	990.1	984.0	979.0	973.6	972.2	970.2	974.2	970.9	969.9
5°	964.8	955.9	944.6	931.5	923.9	913.0	910.9	906.7	902.5	902.1	897.8
7.5°	930.2	917.2	902.3	889.0	876.6	864.7	856.9	855.2	849.0	845.3	841.1
10°	907.9	891.9	874.6	862.0	847.7	835.0	826.2	821.2	816.9	812.3	808.1
12.5°	881.6	864.6	850.4	836.7	819.7	810.1	795.5	786.8	785.9	786.0	775.1
15°	851.0	834.2	812.3	792.9	783.6	765.1	757.1	746.9	740.7	734.4	729.3
17.5°	816.1	795.1	778.0	755.7	738.1	723.3	712.8	706.7	697.2	688.2	681.8
20°	794.2	771.8	753.8	730.2	710.7	692.6	683.8	675.3	668.2	660.6	653.5
22.5°	771.9	748.6	726.4	703.5	685.5	666.4	657.8	646.3	639.5	635.3	628.2
25°	736.9	711.6	686.3	664.4	645.9	629.0	617.7	608.8	601.2	597.9	593.2
27.5°	698.8	673.7	649.3	624.4	603.3	591.1	582.0	575.4	570.9	566.5	564.4
30°	674.5	648.4	622.3	599.1	579.7	567.5	559.0	554.4	551.0	549.0	546.8
32.5°	649.9	624.2	596.7	575.5	558.2	547.3	540.9	536.2	534.6	533.8	533.1
35°	610.5	584.4	559.0	540.1	523.7	519.5	514.0	511.5	510.6	513.6	514.8
37.5°	572.3	548.0	524.8	506.4	495.7	489.5	487.6	487.7	490.8	493.4	496.4
40°	547.7	524.1	502.2	486.2	476.1	472.3	471.4	473.6	476.9	479.9	483.2
42.5°	523.8	500.5	480.6	465.6	458.6	455.1	455.6	457.7	462.4	466.0	471.1
45°	486.6	467.2	447.8	435.6	429.8	430.6	430.6	434.4	439.0	444.5	450.0
47.5°	451.6	432.1	416.1	405.9	402.8	402.1	404.5	409.4	416.1	422.9	430.5
50°	428.0	409.5	395.6	386.3	382.9	384.2	387.6	392.2	400.2	408.7	416.7
52.5°	404.1	387.3	374.4	365.8	363.5	365.7	369.1	376.4	383.4	392.5	402.2
55°	366.9	352.6	342.5	336.2	335.3	336.6	340.4	348.4	358.5	369.9	379.2
57.5°	329.9	318.0	308.7	304.4	304.8	305.9	312.2	321.7	332.5	344.6	356.6
60°	305.1	294.1	286.5	283.1	283.5	286.1	293.7	302.5	316.0	327.8	340.4
62.5°	281.5	271.8	264.6	261.6	260.9	266.5	273.8	283.0	296.4	309.6	323.2
65°	243.5	235.9	230.0	228.4	229.7	233.9	243.1	255.3	266.7	280.6	294.9
67.5°	206.4	200.2	196.1	196.9	198.4	204.7	212.5	222.9	235.8	250.3	264.4
70°	182.8	177.0	173.6	174.0	176.5	184.1	190.8	201.4	215.3	230.0	241.9
72.5°	158.6	154.7	151.7	153.4	156.0	161.2	169.6	180.1	192.3	206.1	218.6
75°	121.8	121.8	120.1	121.4	125.2	130.2	136.5	147.4	159.7	170.6	180.8
77.5°	90.3	89.4	90.5	92.1	94.2	100.2	107.4	115.3	124.5	135.4	143.8
80°	69.1	69.6	71.6	74.1	75.0	79.6	87.2	94.3	101.6	110.8	118.8
82.5°	51.9	52.4	53.4	56.6	57.4	62.4	67.3	74.5	81.0	87.2	93.9
85°	28.2	28.2	30.3	31.6	33.7	37.1	40.0	44.2	50.1	54.3	60.7
87.5°	11.7	11.9	13.3	14.1	15.3	17.1	17.8	21.6	23.1	24.9	28.0
90°	4.6	5.3	6.0	6.7	7.3	7.9	8.4	8.9	9.3	9.8	10.1
92.5°	11.7	12.4	12.9	13.3	13.8	14.2	14.5	14.8	15.1	15.4	15.5
95°	24.4	25.0	25.6	26.1	26.7	27.3	27.5	27.7	28.0	28.2	28.4
97.5°	39.9	40.6	41.2	41.8	42.5	43.2	43.4	43.7	44.0	44.3	44.4
100°	51.6	52.0	52.8	53.5	54.2	54.9	55.1	55.2	55.4	55.5	55.6
102.5°	64.0	64.4	65.0	65.7	66.3	67.0	67.2	67.4	67.7	67.9	68.0
105°	84.0	84.1	84.4	84.8	85.1	85.4	85.6	86.0	86.2	86.4	86.7
107.5°	105.2	105.3	105.4	105.4	105.4	105.4	105.7	105.9	106.2	106.4	106.5
110°	119.8	119.9	119.8	119.7	119.6	119.5	119.4	119.2	119.1	118.9	118.9



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	134.3	134.2	134.0	133.9	133.7	133.6	133.6	133.6	133.5	133.5	133.5
115°	156.5	156.5	156.3	156.1	156.0	155.8	155.7	155.7	155.6	155.5	155.4
117.5°	177.8	177.8	177.8	177.6	177.5	177.4	177.1	176.9	176.6	176.3	176.1
120°	193.0	193.0	192.7	192.5	192.3	192.0	191.6	191.2	190.8	190.4	190.4
122.5°	206.8	206.8	206.8	206.6	206.5	206.4	206.1	205.9	205.6	205.3	205.0
125°	227.9	227.9	227.8	227.8	227.7	227.6	227.4	227.3	227.1	227.0	226.8
127.5°	248.5	248.6	248.4	248.3	248.2	248.0	247.9	247.7	247.6	247.4	247.2
130°	262.3	262.4	262.4	262.4	262.4	262.4	262.2	262.1	261.9	261.7	261.5
132.5°	276.1	276.2	276.1	276.0	276.0	275.9	275.8	275.6	275.4	275.3	275.1
135°	295.9	296.1	296.1	296.1	296.1	296.1	296.0	295.8	295.6	295.5	295.3
137.5°	315.1	315.3	315.4	315.6	315.7	315.8	315.6	315.4	315.2	315.0	314.9
140°	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.3	328.2	328.1	328.0
142.5°	340.7	340.8	340.7	340.6	340.6	340.5	340.5	340.5	340.5	340.5	340.4
145°	358.5	358.6	358.7	358.8	358.9	358.9	358.9	358.8	358.7	358.6	358.5
147.5°	375.7	375.8	375.7	375.7	375.7	375.6	375.5	375.4	375.3	375.3	375.3
150°	385.7	385.9	385.9	385.9	385.9	385.9	385.9	385.9	385.9	385.9	385.9
152.5°	395.0	395.1	395.1	395.2	395.3	395.4	395.5	395.8	395.9	396.2	396.1
155°	409.2	409.2	409.1	409.0	408.9	408.8	409.2	409.5	409.8	410.1	410.1
157.5°	421.3	421.2	421.2	421.2	421.1	421.1	421.4	421.6	421.8	422.1	422.1
160°	429.0	429.0	428.9	428.8	428.7	428.6	428.9	429.1	429.4	429.6	429.5
162.5°	435.4	435.2	435.1	435.1	435.0	434.9	435.4	435.8	436.3	436.7	436.7
165°	444.5	444.3	444.2	444.0	443.9	443.7	444.2	444.7	445.1	445.6	445.7
167.5°	451.2	451.1	451.1	451.1	451.1	451.1	451.6	452.1	452.6	453.0	453.0
170°	455.0	454.9	455.0	455.0	455.1	455.2	455.7	456.1	456.6	457.1	457.0
172.5°	458.1	458.0	458.0	458.0	458.0	458.0	458.6	459.1	459.7	460.2	460.2
175°	461.8	461.6	461.5	461.4	461.4	461.3	461.8	462.4	463.0	463.5	463.5
177.5°	463.4	463.3	463.3	463.3	463.3	463.3	463.7	464.2	464.6	465.1	465.0
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	969.2	968.5	966.1	965.8	966.1	968.5	969.2	969.9	970.9	974.2	970.2
5°	895.3	893.2	891.9	896.6	891.9	893.2	895.3	897.8	902.1	902.5	906.7
7.5°	839.6	837.9	834.2	833.1	834.2	837.9	839.6	841.1	845.3	849.0	855.2
10°	803.8	802.2	798.8	798.0	798.8	802.2	803.8	808.1	812.3	816.9	821.2
12.5°	769.4	766.1	765.4	766.3	765.4	766.1	769.4	775.1	786.0	785.9	786.8
15°	723.8	722.2	717.5	718.7	717.5	722.2	723.8	729.3	734.4	740.7	746.9
17.5°	678.8	676.8	671.1	676.1	671.1	676.8	678.8	681.8	688.2	697.2	706.7
20°	650.5	647.1	644.2	643.7	644.2	647.1	650.5	653.5	660.6	668.2	675.3
22.5°	623.5	620.5	620.3	617.5	620.3	620.5	623.5	628.2	635.3	639.5	646.3
25°	589.9	586.9	586.1	583.9	586.1	586.9	589.9	593.2	597.9	601.2	608.8
27.5°	564.0	562.5	561.0	561.7	561.0	562.5	564.0	564.4	566.5	570.9	575.4
30°	548.1	547.7	546.8	546.8	546.8	547.7	548.1	546.8	549.0	551.0	554.4
32.5°	535.0	534.9	535.4	535.4	535.4	534.9	535.0	533.1	533.8	534.6	536.2
35°	516.5	517.8	518.6	517.4	518.6	517.8	516.5	514.8	513.6	510.6	511.5
37.5°	499.9	501.1	502.3	503.7	502.3	501.1	499.9	496.4	493.4	490.8	487.7
40°	487.0	490.0	490.8	493.0	490.8	490.0	487.0	483.2	479.9	476.9	473.6
42.5°	474.9	478.2	480.4	480.8	480.4	478.2	474.9	471.1	466.0	462.4	457.7
45°	456.3	459.6	462.6	462.6	462.6	459.6	456.3	450.0	444.5	439.0	434.4
47.5°	437.0	441.9	444.8	445.6	444.8	441.9	437.0	430.5	422.9	416.1	409.4
50°	423.8	429.8	432.7	434.8	432.7	429.8	423.8	416.7	408.7	400.2	392.2
52.5°	411.1	416.9	420.9	422.0	420.9	416.9	411.1	402.2	392.5	383.4	376.4
55°	388.9	397.3	402.0	403.6	402.0	397.3	388.9	379.2	369.9	358.5	348.4
57.5°	368.0	375.7	381.1	382.4	381.1	375.7	368.0	356.6	344.6	332.5	321.7
60°	351.8	360.2	366.9	368.2	366.9	360.2	351.8	340.4	327.8	316.0	302.5
62.5°	335.3	344.0	350.1	353.4	350.1	344.0	335.3	323.2	309.6	296.4	283.0
65°	306.7	315.5	321.5	322.7	321.5	315.5	306.7	294.9	280.6	266.7	255.3
67.5°	275.5	284.4	288.3	290.7	288.3	284.4	275.5	264.4	250.3	235.8	222.9
70°	253.7	260.8	265.0	267.1	265.0	260.8	253.7	241.9	230.0	215.3	201.4
72.5°	228.7	236.1	241.1	241.5	241.1	236.1	228.7	218.6	206.1	192.3	180.1
75°	190.4	197.2	199.7	199.7	199.7	197.2	190.4	180.8	170.6	159.7	147.4
77.5°	150.8	154.2	157.4	158.0	157.4	154.2	150.8	143.8	135.4	124.5	115.3
80°	125.2	127.2	129.8	129.8	129.8	127.2	125.2	118.8	110.8	101.6	94.3
82.5°	98.9	100.6	103.1	102.8	103.1	100.6	98.9	93.9	87.2	81.0	74.5
85°	59.8	63.6	63.2	62.3	63.2	63.6	59.8	60.7	54.3	50.1	44.2
87.5°	29.0	29.4	30.4	31.1	30.4	29.4	29.0	28.0	24.9	23.1	21.6
90°	10.3	10.5	10.6	10.8	10.6	10.5	10.3	10.1	9.8	9.3	8.9
92.5°	15.7	15.8	15.8	15.9	15.8	15.8	15.7	15.5	15.4	15.1	14.8
95°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.2	28.0	27.7
97.5°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.3	44.0	43.7
100°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.5	55.4	55.2
102.5°	68.0	68.1	68.2	68.3	68.2	68.1	68.0	68.0	67.9	67.7	67.4
105°	86.9	87.1	87.4	87.6	87.4	87.1	86.9	86.7	86.4	86.2	86.0
107.5°	106.5	106.5	106.4	106.4	106.4	106.5	106.5	106.5	106.4	106.2	105.9
110°	119.1	119.4	119.6	119.9	119.6	119.4	119.1	118.9	118.9	119.1	119.2



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	133.6	133.6	133.6	133.6	133.6	133.6	133.6	133.5	133.5	133.5	133.6
115°	155.3	155.3	155.2	155.1	155.2	155.3	155.3	155.4	155.5	155.6	155.7
117.5°	175.9	175.8	175.6	175.5	175.6	175.8	175.9	176.1	176.3	176.6	176.9
120°	190.5	190.7	190.8	191.0	190.8	190.7	190.5	190.4	190.4	190.8	191.2
122.5°	204.8	204.5	204.1	203.9	204.1	204.5	204.8	205.0	205.3	205.6	205.9
125°	226.6	226.5	226.3	226.2	226.3	226.5	226.6	226.8	227.0	227.1	227.3
127.5°	247.2	247.0	246.9	246.8	246.9	247.0	247.2	247.2	247.4	247.6	247.7
130°	261.2	260.9	260.5	260.2	260.5	260.9	261.2	261.5	261.7	261.9	262.1
132.5°	275.0	274.9	274.7	274.6	274.7	274.9	275.0	275.1	275.3	275.4	275.6
135°	295.1	294.9	294.6	294.4	294.6	294.9	295.1	295.3	295.5	295.6	295.8
137.5°	315.0	315.0	315.1	315.1	315.1	315.0	315.0	314.9	315.0	315.2	315.4
140°	328.0	327.9	327.8	327.7	327.8	327.9	328.0	328.0	328.1	328.2	328.3
142.5°	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.5	340.5	340.5
145°	358.2	358.0	357.7	357.5	357.7	358.0	358.2	358.5	358.6	358.7	358.8
147.5°	375.2	375.1	375.0	374.9	375.0	375.1	375.2	375.3	375.3	375.3	375.4
150°	385.8	385.7	385.6	385.6	385.6	385.7	385.8	385.9	385.9	385.9	385.9
152.5°	395.9	395.7	395.5	395.3	395.5	395.7	395.9	396.1	396.2	395.9	395.8
155°	409.8	409.5	409.2	408.8	409.2	409.5	409.8	410.1	410.1	409.8	409.5
157.5°	421.8	421.5	421.3	421.0	421.3	421.5	421.8	422.1	422.1	421.8	421.6
160°	429.1	428.7	428.3	427.9	428.3	428.7	429.1	429.5	429.6	429.4	429.1
162.5°	436.3	435.9	435.5	435.1	435.5	435.9	436.3	436.7	436.7	436.3	435.8
165°	445.4	445.0	444.7	444.4	444.7	445.0	445.4	445.7	445.6	445.1	444.7
167.5°	452.6	452.1	451.5	451.1	451.5	452.1	452.6	453.0	453.0	452.6	452.1
170°	456.5	455.9	455.3	454.8	455.3	455.9	456.5	457.0	457.1	456.6	456.1
172.5°	459.6	459.1	458.5	458.0	458.5	459.1	459.6	460.2	460.2	459.7	459.1
175°	463.0	462.4	461.8	461.3	461.8	462.4	463.0	463.5	463.5	463.0	462.4
177.5°	464.5	464.1	463.5	463.0	463.5	464.1	464.5	465.0	465.1	464.6	464.2
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	972.2	973.6	979.0	984.0	990.1	994.5	997.5	1000.8	1008.0	1013.7	1019.1
5°	910.9	913.0	923.9	931.5	944.6	955.9	964.8	974.5	985.9	1001.5	1015.8
7.5°	856.9	864.7	876.6	889.0	902.3	917.2	930.2	944.8	964.4	985.8	1007.9
10°	826.2	835.0	847.7	862.0	874.6	891.9	907.9	925.2	947.5	973.7	999.8
12.5°	795.5	810.1	819.7	836.7	850.4	864.6	881.6	904.3	930.3	957.8	989.4
15°	757.1	765.1	783.6	792.9	812.3	834.2	851.0	873.8	899.0	935.3	970.7
17.5°	712.8	723.3	738.1	755.7	778.0	795.1	816.1	839.5	871.3	907.4	951.6
20°	683.8	692.6	710.7	730.2	753.8	771.8	794.2	816.9	849.8	888.1	934.5
22.5°	657.8	666.4	685.5	703.5	726.4	748.6	771.9	798.4	829.9	870.3	917.6
25°	617.7	629.0	645.9	664.4	686.3	711.6	736.9	760.5	794.2	836.7	887.3
27.5°	582.0	591.1	603.3	624.4	649.3	673.7	698.8	728.4	760.8	805.8	858.3
30°	559.0	567.5	579.7	599.1	622.3	648.4	674.5	703.1	736.9	781.6	835.0
32.5°	540.9	547.3	558.2	575.5	596.7	624.2	649.9	679.6	714.9	759.0	811.1
35°	514.0	519.5	523.7	540.1	559.0	584.4	610.5	642.1	676.2	718.0	770.2
37.5°	487.6	489.5	495.7	506.4	524.8	548.0	572.3	603.4	638.3	680.7	727.9
40°	471.4	472.3	476.1	486.2	502.2	524.1	547.7	578.5	611.7	651.8	698.5
42.5°	455.6	455.1	458.6	465.6	480.6	500.5	523.8	551.8	585.1	622.1	666.1
45°	430.6	430.6	429.8	435.6	447.8	467.2	486.6	513.6	541.4	577.7	614.7
47.5°	404.5	402.1	402.8	405.9	416.1	432.1	451.6	473.7	498.3	528.9	561.4
50°	387.6	384.2	382.9	386.3	395.6	409.5	428.0	447.4	470.6	497.6	525.4
52.5°	369.1	365.7	363.5	365.8	374.4	387.3	404.1	421.1	442.0	463.9	488.0
55°	340.4	336.6	335.3	336.2	342.5	352.6	366.9	382.5	398.2	416.3	433.1
57.5°	312.2	305.9	304.8	304.4	308.7	318.0	329.9	343.5	354.8	365.8	383.7
60°	293.7	286.1	283.5	283.1	286.5	294.1	305.1	318.5	326.5	334.1	349.7
62.5°	273.8	266.5	260.9	261.6	264.6	271.8	281.5	291.2	296.5	304.8	315.3
65°	243.1	233.9	229.7	228.4	230.0	235.9	243.5	249.9	255.7	259.1	269.2
67.5°	212.5	204.7	198.4	196.9	196.1	200.2	206.4	210.2	214.4	217.4	223.4
70°	190.8	184.1	176.5	174.0	173.6	177.0	182.8	183.2	189.2	190.4	196.8
72.5°	169.6	161.2	156.0	153.4	151.7	154.7	158.6	159.7	162.9	165.2	168.4
75°	136.5	130.2	125.2	121.4	120.1	121.8	121.8	123.9	126.0	127.2	131.0
77.5°	107.4	100.2	94.2	92.1	90.5	89.4	90.3	91.6	90.5	92.8	93.6
80°	87.2	79.6	75.0	74.1	71.6	69.6	69.1	70.3	68.7	69.6	72.0
82.5°	67.3	62.4	57.4	56.6	53.4	52.4	51.9	51.2	51.2	51.0	51.5
85°	40.0	37.1	33.7	31.6	30.3	28.2	28.2	27.4	26.5	25.7	26.1
87.5°	17.8	17.1	15.3	14.1	13.3	11.9	11.7	10.5	10.0	9.5	9.0
90°	8.4	7.9	7.3	6.7	6.0	5.3	4.6	3.7	2.9	2.0	1.1
92.5°	14.5	14.2	13.8	13.3	12.9	12.4	11.7	10.7	9.7	8.7	7.7
95°	27.5	27.3	26.7	26.1	25.6	25.0	24.4	23.7	23.0	22.3	21.5
97.5°	43.4	43.2	42.5	41.8	41.2	40.6	39.9	39.4	38.7	38.2	37.6
100°	55.1	54.9	54.2	53.5	52.8	52.0	51.6	51.2	50.9	50.5	50.2
102.5°	67.2	67.0	66.3	65.7	65.0	64.4	64.0	63.8	63.7	63.6	63.5
105°	85.6	85.4	85.1	84.8	84.4	84.1	84.0	83.9	83.8	83.7	83.7
107.5°	105.7	105.4	105.4	105.4	105.4	105.3	105.2	105.1	105.0	104.9	104.8
110°	119.4	119.5	119.6	119.7	119.8	119.9	119.8	119.6	119.5	119.3	119.1



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	133.6	133.6	133.7	133.9	134.0	134.2	134.3	134.2	134.2	134.1	134.1
115°	155.7	155.8	156.0	156.1	156.3	156.5	156.5	156.5	156.5	156.5	156.5
117.5°	177.1	177.4	177.5	177.6	177.8	177.8	177.8	177.8	177.8	177.7	177.6
120°	191.6	192.0	192.3	192.5	192.7	193.0	193.0	192.7	192.3	192.0	191.7
122.5°	206.1	206.4	206.5	206.6	206.8	206.8	206.8	206.7	206.6	206.4	206.4
125°	227.4	227.6	227.7	227.8	227.8	227.9	227.9	227.9	227.9	227.9	227.9
127.5°	247.9	248.0	248.2	248.3	248.4	248.6	248.5	248.3	248.0	247.8	247.6
130°	262.2	262.4	262.4	262.4	262.4	262.4	262.3	262.1	261.8	261.6	261.3
132.5°	275.8	275.9	276.0	276.0	276.1	276.2	276.1	275.9	275.8	275.6	275.4
135°	296.0	296.1	296.1	296.1	296.1	296.1	295.9	295.4	294.9	294.5	294.0
137.5°	315.6	315.8	315.7	315.6	315.4	315.3	315.1	314.9	314.7	314.5	314.3
140°	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.2	328.0	327.9	327.7
142.5°	340.5	340.5	340.6	340.6	340.7	340.8	340.7	340.6	340.4	340.2	340.1
145°	358.9	358.9	358.9	358.8	358.7	358.6	358.5	358.1	357.8	357.5	357.2
147.5°	375.5	375.6	375.7	375.7	375.7	375.8	375.7	375.3	374.9	374.5	374.1
150°	385.9	385.9	385.9	385.9	385.9	385.9	385.7	385.4	385.1	384.8	384.4
152.5°	395.5	395.4	395.3	395.2	395.1	395.1	395.0	394.8	394.6	394.4	394.2
155°	409.2	408.8	408.9	409.0	409.1	409.2	409.2	409.2	409.2	409.2	409.2
157.5°	421.4	421.1	421.1	421.2	421.2	421.2	421.3	421.4	421.6	421.7	421.8
160°	428.9	428.6	428.7	428.8	428.9	429.0	429.0	429.1	429.2	429.3	429.4
162.5°	435.4	434.9	435.0	435.1	435.1	435.2	435.4	435.6	435.8	436.0	436.3
165°	444.2	443.7	443.9	444.0	444.2	444.3	444.5	444.7	445.0	445.2	445.4
167.5°	451.6	451.1	451.1	451.1	451.1	451.1	451.2	451.6	451.9	452.3	452.6
170°	455.7	455.2	455.1	455.0	455.0	454.9	455.0	455.4	455.8	456.2	456.6
172.5°	458.6	458.0	458.0	458.0	458.0	458.0	458.1	458.5	458.8	459.1	459.5
175°	461.8	461.3	461.4	461.4	461.5	461.6	461.8	462.2	462.6	463.0	463.4
177.5°	463.7	463.3	463.3	463.3	463.3	463.3	463.4	463.7	464.1	464.4	464.7
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1023.8	1027.1	1031.6	1038.9	1041.6	1045.0	1049.7	1049.4	1050.8	1055.8	1066.6
5°	1027.6	1040.6	1053.3	1068.4	1084.5	1095.0	1109.3	1118.2	1127.0	1138.4	1157.8
7.5°	1029.1	1049.8	1073.0	1099.6	1123.3	1150.6	1172.0	1192.0	1210.1	1234.1	1257.2
10°	1026.7	1054.6	1084.5	1118.2	1154.0	1184.3	1211.7	1242.9	1269.4	1298.5	1324.6
12.5°	1022.4	1055.9	1095.9	1133.7	1175.5	1220.4	1254.5	1286.0	1321.4	1354.8	1395.0
15°	1012.4	1058.4	1105.1	1154.8	1210.9	1262.7	1311.9	1352.8	1390.8	1440.9	1493.6
17.5°	999.8	1049.3	1108.3	1168.5	1227.0	1286.3	1347.3	1408.7	1456.6	1518.9	1560.0
20°	988.0	1045.3	1106.0	1177.6	1236.1	1309.9	1370.6	1430.0	1495.6	1557.6	1606.9
22.5°	971.5	1034.2	1098.5	1169.8	1246.9	1320.6	1390.8	1455.2	1520.9	1588.2	1648.0
25°	950.5	1007.3	1083.6	1164.5	1241.2	1321.2	1401.7	1482.6	1553.4	1624.6	1680.2
27.5°	914.7	986.6	1057.6	1141.1	1226.3	1316.8	1402.9	1487.6	1561.7	1620.3	1654.7
30°	896.6	958.9	1036.0	1119.8	1212.1	1309.5	1399.2	1482.2	1551.3	1598.1	1611.9
32.5°	869.6	934.0	1009.4	1096.2	1193.9	1294.0	1387.3	1465.7	1523.3	1547.8	1531.1
35°	829.6	887.7	963.9	1052.9	1154.4	1261.0	1353.3	1419.4	1448.9	1425.7	1368.0
37.5°	781.6	839.2	915.8	1003.1	1108.1	1216.5	1299.9	1347.5	1337.8	1280.1	1194.1
40°	747.8	801.8	874.6	969.0	1071.4	1180.1	1253.4	1279.1	1252.1	1169.6	1078.2
42.5°	710.4	763.0	836.2	927.2	1035.7	1135.9	1199.8	1201.9	1156.7	1058.0	966.2
45°	653.5	703.6	772.7	867.5	967.7	1062.2	1104.2	1083.6	1000.2	905.0	812.7
47.5°	597.2	640.7	708.8	798.8	894.1	973.5	994.3	957.2	868.3	775.9	690.4
50°	556.1	599.9	664.0	750.0	841.8	910.5	920.6	871.2	784.1	690.9	624.0
52.5°	516.7	560.2	621.9	701.4	785.5	847.4	847.8	790.8	703.9	620.8	558.6
55°	458.8	498.0	553.6	624.8	699.8	748.2	736.5	677.5	602.1	530.0	475.6
57.5°	403.1	437.1	488.4	547.8	613.9	653.8	634.2	577.4	510.1	449.0	407.8
60°	366.9	399.4	443.2	499.2	554.8	586.1	567.5	516.1	454.2	404.9	369.1
62.5°	331.9	359.3	401.4	450.0	501.6	524.7	508.2	457.5	403.9	359.4	330.3
65°	282.3	304.6	338.3	380.0	417.6	437.3	423.4	376.2	335.3	303.3	280.2
67.5°	235.9	253.3	278.9	312.4	344.2	354.9	342.3	309.4	274.8	249.1	232.8
70°	203.9	220.4	241.9	267.5	295.3	306.7	294.1	267.9	239.7	216.1	200.1
72.5°	175.9	188.7	206.8	228.8	250.5	261.9	253.3	228.1	204.3	186.8	173.2
75°	134.0	145.0	157.6	173.2	190.0	197.6	190.0	172.8	156.3	143.2	133.6
77.5°	97.4	103.3	113.0	124.7	135.2	141.1	134.5	122.8	112.7	103.8	99.0
80°	74.1	78.3	85.1	94.3	101.6	107.0	102.8	93.1	85.1	79.2	77.1
82.5°	53.9	56.8	61.2	68.0	72.9	75.7	73.8	66.8	63.5	58.3	56.2
85°	26.5	28.2	31.2	33.3	37.5	37.9	38.3	35.4	32.5	31.2	29.5
87.5°	9.5	10.0	11.2	12.4	13.9	14.3	14.1	14.3	13.1	12.8	11.6
90°	2.0	2.9	3.7	4.6	5.3	6.0	6.7	7.3	7.9	8.4	8.9
92.5°	8.7	9.7	10.7	11.7	12.4	12.9	13.3	13.8	14.2	14.5	14.8
95°	22.3	23.0	23.7	24.4	25.0	25.6	26.1	26.7	27.3	27.5	27.7
97.5°	38.2	38.7	39.4	39.9	40.6	41.2	41.8	42.5	43.2	43.4	43.7
100°	50.5	50.9	51.2	51.6	52.0	52.8	53.5	54.2	54.9	55.1	55.2
102.5°	63.6	63.7	63.8	64.0	64.4	65.0	65.7	66.3	67.0	67.2	67.4
105°	83.7	83.8	83.9	84.0	84.1	84.4	84.8	85.1	85.4	85.6	86.0
107.5°	104.9	105.0	105.1	105.2	105.3	105.4	105.4	105.4	105.4	105.7	105.9
110°	119.3	119.5	119.6	119.8	119.9	119.8	119.7	119.6	119.5	119.4	119.2



TEST NUMBER: P332776-927

CATALOG NUMBER: S124DIW-S795D470U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	134.1	134.2	134.2	134.3	134.2	134.0	133.9	133.7	133.6	133.6	133.6
115°	156.5	156.5	156.5	156.5	156.5	156.3	156.1	156.0	155.8	155.7	155.7
117.5°	177.7	177.8	177.8	177.8	177.8	177.8	177.6	177.5	177.4	177.1	176.9
120°	192.0	192.3	192.7	193.0	193.0	192.7	192.5	192.3	192.0	191.6	191.2
122.5°	206.4	206.6	206.7	206.8	206.8	206.8	206.6	206.5	206.4	206.1	205.9
125°	227.9	227.9	227.9	227.9	227.9	227.8	227.8	227.7	227.6	227.4	227.3
127.5°	247.8	248.0	248.3	248.5	248.6	248.4	248.3	248.2	248.0	247.9	247.7
130°	261.6	261.8	262.1	262.3	262.4	262.4	262.4	262.4	262.4	262.2	262.1
132.5°	275.6	275.8	275.9	276.1	276.2	276.1	276.0	276.0	275.9	275.8	275.6
135°	294.5	294.9	295.4	295.9	296.1	296.1	296.1	296.1	296.1	296.0	295.8
137.5°	314.5	314.7	314.9	315.1	315.3	315.4	315.6	315.7	315.8	315.6	315.4
140°	327.9	328.0	328.2	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.3
142.5°	340.2	340.4	340.6	340.7	340.8	340.7	340.6	340.6	340.5	340.5	340.5
145°	357.5	357.8	358.1	358.5	358.6	358.7	358.8	358.9	358.9	358.9	358.8
147.5°	374.5	374.9	375.3	375.7	375.8	375.7	375.7	375.7	375.6	375.5	375.4
150°	384.8	385.1	385.4	385.7	385.9	385.9	385.9	385.9	385.9	385.9	385.9
152.5°	394.4	394.6	394.8	395.0	395.1	395.1	395.2	395.3	395.4	395.5	395.8
155°	409.2	409.2	409.2	409.2	409.2	409.1	409.0	408.9	408.8	409.2	409.5
157.5°	421.7	421.6	421.4	421.3	421.2	421.2	421.2	421.1	421.1	421.4	421.6
160°	429.3	429.2	429.1	429.0	429.0	428.9	428.8	428.7	428.6	428.9	429.1
162.5°	436.0	435.8	435.6	435.4	435.2	435.1	435.1	435.0	434.9	435.4	435.8
165°	445.2	445.0	444.7	444.5	444.3	444.2	444.0	443.9	443.7	444.2	444.7
167.5°	452.3	451.9	451.6	451.2	451.1	451.1	451.1	451.1	451.1	451.6	452.1
170°	456.2	455.8	455.4	455.0	454.9	455.0	455.0	455.1	455.2	455.7	456.1
172.5°	459.1	458.8	458.5	458.1	458.0	458.0	458.0	458.0	458.0	458.6	459.1
175°	463.0	462.6	462.2	461.8	461.6	461.5	461.4	461.4	461.3	461.8	462.4
177.5°	464.4	464.1	463.7	463.4	463.3	463.3	463.3	463.3	463.3	463.7	464.2
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1	464.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1	1017.1
2.5°	1072.0	1072.7	1075.7	1078.1	1078.7	1082.1	1082.4
5°	1166.2	1173.4	1187.2	1188.5	1190.6	1201.6	1193.2
7.5°	1276.6	1294.7	1306.9	1317.6	1321.5	1326.3	1325.3
10°	1347.3	1374.4	1387.8	1409.3	1410.2	1415.6	1412.2
12.5°	1418.5	1449.9	1474.4	1478.4	1496.4	1499.2	1504.0
15°	1519.2	1552.5	1586.7	1598.9	1623.7	1629.7	1638.9
17.5°	1614.0	1648.0	1671.9	1703.5	1713.7	1727.4	1718.1
20°	1665.9	1703.0	1733.3	1758.2	1768.7	1776.2	1775.4
22.5°	1697.3	1734.6	1759.2	1778.1	1787.9	1791.1	1790.9
25°	1716.8	1738.4	1745.9	1753.1	1742.2	1738.4	1740.0
27.5°	1662.2	1656.7	1636.9	1610.9	1584.0	1562.6	1550.9
30°	1587.1	1554.3	1524.3	1472.0	1445.1	1429.1	1414.8
32.5°	1480.6	1428.5	1371.0	1323.1	1292.4	1268.7	1265.1
35°	1298.1	1219.7	1149.4	1090.8	1060.4	1034.7	1028.8
37.5°	1103.6	1022.2	958.9	907.3	874.6	856.5	839.6
40°	974.5	904.6	842.2	798.4	773.6	760.5	750.0
42.5°	875.0	811.2	749.2	715.8	693.3	685.3	679.1
45°	737.7	678.3	635.3	610.1	597.0	583.5	577.2
47.5°	627.7	579.4	551.0	529.6	515.6	507.6	503.6
50°	565.4	525.8	500.5	484.1	471.4	465.1	461.8
52.5°	510.1	477.6	456.4	443.3	434.7	430.1	428.7
55°	439.4	414.5	401.1	389.8	383.4	379.2	377.5
57.5°	382.0	362.8	351.9	342.5	340.1	336.5	335.3
60°	344.2	329.5	320.2	313.9	311.8	307.5	308.4
62.5°	310.9	298.8	290.9	287.2	284.5	280.9	282.1
65°	262.9	254.1	249.9	246.4	243.1	241.0	242.6
67.5°	220.6	214.5	208.8	206.8	205.2	204.9	203.0
70°	193.0	187.9	182.8	181.6	181.6	179.9	179.5
72.5°	166.4	162.6	159.2	158.4	157.0	157.6	155.9
75°	128.5	125.6	124.3	123.0	122.6	122.6	121.4
77.5°	95.0	92.8	90.8	90.8	89.2	88.6	88.5
80°	72.0	71.2	69.6	69.6	68.7	69.1	68.3
82.5°	54.2	53.0	52.7	52.0	50.8	50.9	50.1
85°	29.1	27.8	27.4	26.1	25.3	26.1	25.3
87.5°	12.0	11.7	11.5	10.9	10.5	10.5	9.6
90°	9.3	9.8	10.1	10.3	10.5	10.6	10.8
92.5°	15.1	15.4	15.5	15.7	15.8	15.8	15.9
95°	28.0	28.2	28.4	28.4	28.4	28.4	28.4
97.5°	44.0	44.3	44.4	44.4	44.4	44.4	44.4
100°	55.4	55.5	55.6	55.6	55.6	55.6	55.6
102.5°	67.7	67.9	68.0	68.0	68.1	68.2	68.3
105°	86.2	86.4	86.7	86.9	87.1	87.4	87.6
107.5°	106.2	106.4	106.5	106.5	106.5	106.4	106.4
110°	119.1	118.9	118.9	119.1	119.4	119.6	119.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	133.5	133.5	133.5	133.6	133.6	133.6	133.6
115°	155.6	155.5	155.4	155.3	155.3	155.2	155.1
117.5°	176.6	176.3	176.1	175.9	175.8	175.6	175.5
120°	190.8	190.4	190.4	190.5	190.7	190.8	191.0
122.5°	205.6	205.3	205.0	204.8	204.5	204.1	203.9
125°	227.1	227.0	226.8	226.6	226.5	226.3	226.2
127.5°	247.6	247.4	247.2	247.2	247.0	246.9	246.8
130°	261.9	261.7	261.5	261.2	260.9	260.5	260.2
132.5°	275.4	275.3	275.1	275.0	274.9	274.7	274.6
135°	295.6	295.5	295.3	295.1	294.9	294.6	294.4
137.5°	315.2	315.0	314.9	315.0	315.0	315.1	315.1
140°	328.2	328.1	328.0	328.0	327.9	327.8	327.7
142.5°	340.5	340.5	340.4	340.4	340.4	340.4	340.4
145°	358.7	358.6	358.5	358.2	358.0	357.7	357.5
147.5°	375.3	375.3	375.3	375.2	375.1	375.0	374.9
150°	385.9	385.9	385.9	385.8	385.7	385.6	385.6
152.5°	395.9	396.2	396.1	395.9	395.7	395.5	395.3
155°	409.8	410.1	410.1	409.8	409.5	409.2	408.8
157.5°	421.8	422.1	422.1	421.8	421.5	421.3	421.0
160°	429.4	429.6	429.5	429.1	428.7	428.3	427.9
162.5°	436.3	436.7	436.7	436.3	435.9	435.5	435.1
165°	445.1	445.6	445.7	445.4	445.0	444.7	444.4
167.5°	452.6	453.0	453.0	452.6	452.1	451.5	451.1
170°	456.6	457.1	457.0	456.5	455.9	455.3	454.8
172.5°	459.7	460.2	460.2	459.6	459.1	458.5	458.0
175°	463.0	463.5	463.5	463.0	462.4	461.8	461.3
177.5°	464.6	465.1	465.0	464.5	464.1	463.5	463.0
180°	464.1	464.1	464.1	464.1	464.1	464.1	464.1

(END OF REPORT)