

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: P331683-840

Luminaire Tested: **S122RDIP-S675D530U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331683-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIP-S675D530U840-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 530 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4650.6 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

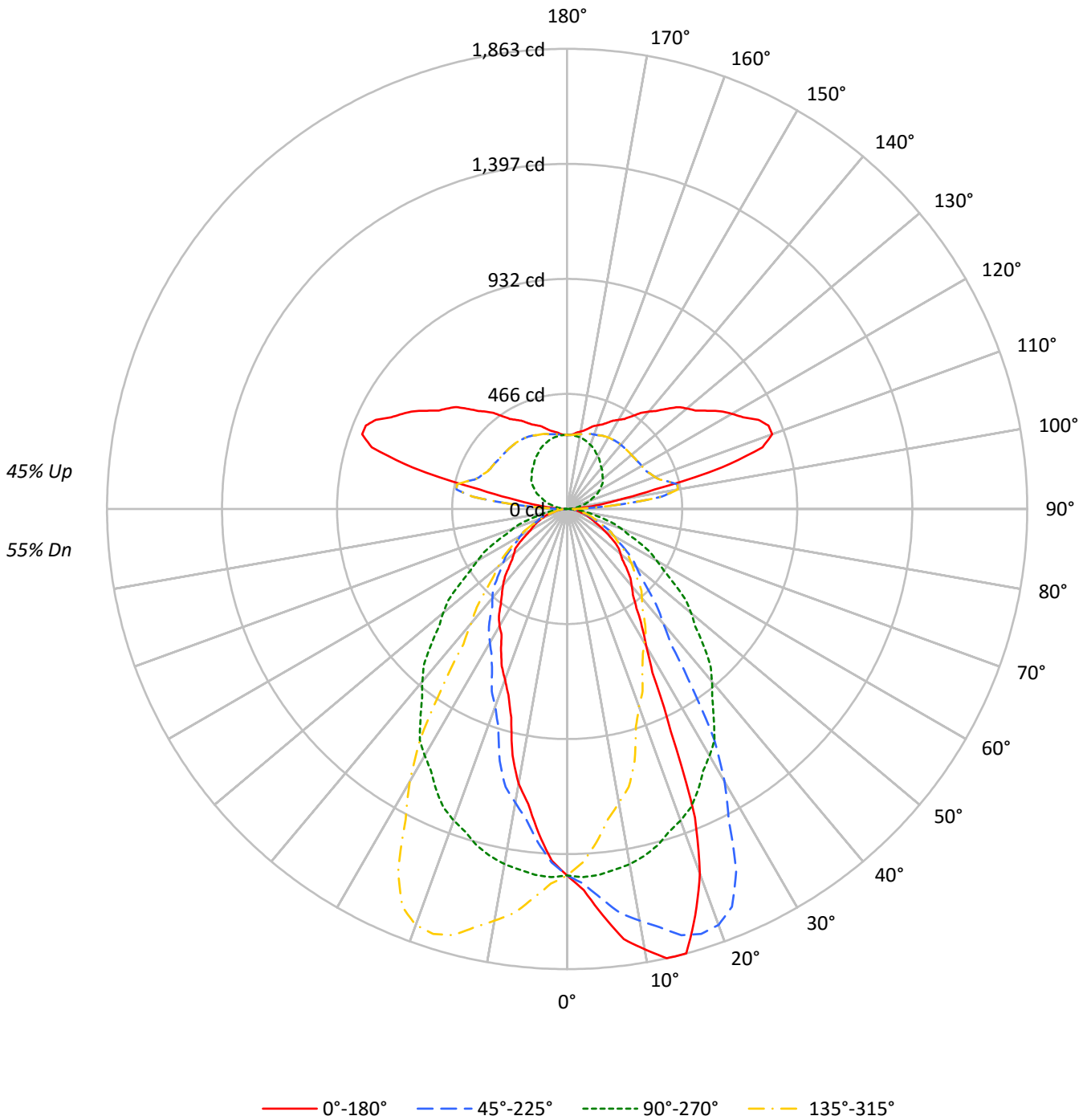
Input Watts (W): 40.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55				
1	100	96	92	89	93	89	86	83	77	75	73	66	64	62	55	54	53	48				
2	92	85	79	74	85	79	74	70	68	65	62	59	56	54	50	48	46	42				
3	84	75	68	63	78	70	64	59	61	57	53	53	49	46	45	42	40	37				
4	78	67	60	54	72	63	56	51	55	50	46	48	44	41	41	38	36	32				
5	72	61	53	47	67	57	50	45	50	44	40	43	39	36	37	34	32	29				
6	66	55	47	42	62	52	45	40	45	40	36	40	35	32	34	31	28	26				
7	62	50	42	37	57	47	40	35	42	36	32	36	32	29	32	28	26	23				
8	57	46	38	33	54	43	36	32	38	33	29	34	29	26	29	26	23	21				
9	54	42	35	30	50	40	33	29	35	30	26	31	27	24	27	24	21	19				
10	50	39	32	27	47	37	30	26	33	28	24	29	25	22	25	22	20	18				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	23954	23954	23954	23954
5°	26752	24104	21371	24104
10°	29681	23935	18525	23935
15°	31141	23584	14596	23584
20°	26996	23063	12631	23063
25°	17706	22352	11277	22352
30°	11917	21490	10206	21490
35°	9652	20402	9207	20402
40°	8585	19220	8517	19220
45°	7768	17831	7606	17831
50°	7068	16458	7043	16458
55°	6646	14933	6559	14933
60°	5561	13533	5493	13533
65°	4688	12287	5318	12287
70°	4334	10976	5013	10976
75°	4049	9551	4629	9551
80°	3738	7857	4119	7857
85°	3446	6206	3631	6206



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.6	3.0
10°-20°	391.9	8.4
20°-30°	505.0	10.9
30°-40°	479.9	10.3
40°-50°	411.1	8.8
50°-60°	313.0	6.7
60°-70°	197.9	4.3
70°-80°	98.8	2.1
80°-90°	28.4	0.6
90°-100°	119.7	2.6
100°-110°	406.3	8.7
110°-120°	431.7	9.3
120°-130°	355.4	7.6
130°-140°	285.4	6.1
140°-150°	215.7	4.6
150°-160°	151.6	3.3
160°-170°	89.2	1.9
170°-180°	29.0	0.6
0°-30°	1037.5	22.3
0°-40°	1517.4	32.6
0°-60°	2241.5	48.2
0°-90°	2566.6	55.2
90°-120°	957.8	20.6
90°-150°	1814.1	39.0
90°-180°	2084.0	44.8
0°-180°	4650.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1484	1484	1484	1484	1484	
5°	1651	1487	1319	1487	1651	163
15°	1863	1411	873	1411	1863	503
25°	994	1255	633	1255	994	472
35°	490	1035	467	1035	490	313
45°	340	781	333	781	340	263
55°	236	530	233	530	236	207
65°	123	322	139	322	123	125
75°	65	153	74	153	65	69
85°	19	34	20	34	19	20
90°	19	1	19	1	19	11
95°	66	20	66	20	66	85
105°	649	70	649	70	649	628
115°	854	124	854	124	854	836
125°	693	173	693	173	693	626
135°	574	203	574	203	574	446
145°	458	232	458	232	458	291
155°	385	263	385	263	385	180
165°	338	287	338	287	338	97
175°	305	299	305	299	305	30
180°	299	299	299	299	299	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1543.8	1545.0	1546.3	1543.4	1543.4	1540.9	1535.5	1531.5	1519.8	1518.2	1518.2
5°	1650.6	1649.5	1651.6	1645.0	1635.7	1633.6	1623.8	1610.9	1597.5	1582.6	1579.4
7.5°	1756.8	1755.2	1751.1	1750.0	1742.8	1727.3	1711.5	1694.8	1672.4	1650.7	1639.8
10°	1810.4	1827.5	1817.1	1799.1	1802.7	1778.5	1765.5	1743.4	1724.8	1692.3	1685.2
12.5°	1863.2	1869.9	1866.6	1856.3	1851.7	1834.9	1817.6	1798.3	1764.0	1734.8	1709.5
15°	1863.0	1872.8	1875.3	1872.3	1874.8	1873.8	1864.5	1848.6	1818.7	1786.7	1758.9
17.5°	1725.5	1732.2	1749.2	1760.6	1775.0	1805.5	1820.6	1826.4	1822.0	1803.8	1784.2
20°	1571.2	1559.8	1607.3	1631.5	1652.1	1703.6	1748.0	1765.0	1792.3	1791.8	1786.7
22.5°	1352.6	1355.3	1400.3	1429.1	1489.2	1540.8	1591.3	1655.4	1708.2	1743.1	1763.6
25°	993.9	1013.5	1058.3	1097.5	1164.5	1260.4	1347.5	1448.6	1543.9	1619.1	1690.8
27.5°	746.4	747.9	783.5	819.6	859.4	938.0	1047.6	1168.3	1304.2	1416.4	1545.5
30°	639.2	636.1	651.1	673.3	707.2	768.1	850.5	969.2	1104.7	1273.7	1424.3
32.5°	563.3	563.5	574.8	591.2	619.5	660.5	716.9	813.2	941.4	1107.6	1284.0
35°	489.7	489.2	497.5	509.3	521.2	547.4	586.1	636.6	724.8	879.9	1060.4
37.5°	437.0	439.2	443.2	450.6	463.7	478.4	501.6	535.5	598.2	690.0	841.7
40°	407.3	408.3	413.9	420.1	427.9	439.2	458.3	485.5	531.5	604.7	715.5
42.5°	380.0	381.0	385.1	390.8	396.9	408.3	424.0	447.7	484.8	542.0	633.4
45°	340.2	340.2	343.9	346.4	353.1	363.5	376.3	395.9	421.7	463.9	524.7
47.5°	302.9	303.0	305.4	309.8	314.1	322.0	334.8	350.7	369.5	402.2	454.1
50°	281.4	282.0	283.5	287.1	289.7	296.9	306.7	320.6	340.2	365.5	408.8
52.5°	264.2	263.8	265.8	267.3	269.1	274.3	281.6	293.9	311.3	333.4	369.2
55°	236.1	234.0	237.1	239.7	241.3	243.3	247.4	255.2	270.1	288.7	315.5
57.5°	201.1	200.3	202.4	204.8	209.6	215.2	218.6	223.6	231.4	244.7	271.2
60°	172.2	172.2	176.8	178.3	184.0	191.3	198.4	202.6	210.4	219.0	238.6
62.5°	146.6	147.0	149.2	150.8	153.9	162.8	172.9	182.0	189.2	197.6	210.7
65°	122.7	123.7	123.7	124.7	126.8	128.9	133.0	140.2	153.1	164.9	174.7
67.5°	104.1	104.4	104.7	105.7	106.3	108.6	110.2	113.4	116.4	127.6	139.8
70°	91.8	93.3	92.8	93.8	94.3	95.3	97.5	99.0	103.6	106.2	113.4
72.5°	80.2	81.3	81.2	81.9	83.2	83.4	85.0	86.6	89.6	91.8	95.6
75°	64.9	64.4	64.9	65.9	66.4	67.1	67.1	69.1	70.6	72.7	75.2
77.5°	50.1	50.6	50.5	50.6	50.7	51.6	51.5	52.5	54.0	55.0	56.2
80°	40.2	40.7	40.2	40.7	41.2	41.7	41.2	41.7	43.3	44.3	44.3
82.5°	31.1	31.2	31.5	31.6	31.7	31.8	32.6	32.7	33.8	33.6	34.0
85°	18.6	18.1	18.1	18.1	18.6	19.1	18.6	18.6	19.1	19.1	19.1
87.5°	10.4	10.8	10.8	10.8	10.8	10.7	10.5	11.1	10.8	11.3	10.8
90°	19.0	19.0	19.0	19.0	19.0	18.4	17.3	18.4	19.0	19.6	19.0
92.5°	31.9	32.8	32.4	34.2	34.6	38.3	43.1	50.2	63.2	74.8	73.8
95°	65.6	65.0	66.9	71.4	78.9	91.6	115.7	150.9	197.5	225.8	199.9
97.5°	129.3	134.1	142.5	156.6	184.2	225.8	288.1	352.1	404.2	385.4	290.2
100°	206.2	216.5	233.3	258.0	305.8	375.5	454.4	525.8	537.9	454.9	313.3
102.5°	362.8	376.9	397.7	440.0	491.9	565.8	623.5	639.6	587.6	457.3	304.6
105°	649.0	657.1	681.9	717.6	753.3	772.3	764.8	699.7	580.0	426.8	287.4
107.5°	829.1	839.8	844.8	846.7	842.2	814.4	754.5	656.4	529.4	394.0	278.8
110°	883.4	884.0	878.9	867.9	843.1	795.9	722.2	619.1	497.6	378.4	277.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	882.5	879.4	869.6	851.3	816.9	762.8	684.0	585.0	475.4	368.2	277.5
115°	854.0	848.9	833.9	807.4	766.6	707.2	631.8	543.1	448.1	357.1	279.9
117.5°	803.2	798.9	783.2	755.2	713.5	657.8	589.4	511.5	430.8	351.6	284.1
120°	770.5	764.8	748.1	721.0	680.8	628.3	567.2	495.8	421.6	348.4	286.8
122.5°	736.5	731.6	716.8	690.1	654.0	606.6	548.9	483.4	413.7	346.6	290.0
125°	692.9	688.2	673.8	652.0	618.5	575.3	524.6	465.3	402.5	343.3	294.9
127.5°	654.6	650.9	638.4	617.9	588.9	549.0	501.2	447.5	392.2	341.3	299.8
130°	632.9	628.3	616.8	597.2	569.0	531.0	485.5	436.0	385.3	340.3	303.5
132.5°	610.4	606.2	595.6	576.0	548.3	512.6	470.8	425.0	379.7	339.9	307.2
135°	574.2	571.9	561.5	542.5	517.8	485.5	447.5	409.5	372.0	339.2	311.5
137.5°	538.7	535.2	526.1	509.8	487.3	459.1	429.0	397.2	366.6	339.1	315.5
140°	514.3	510.8	502.2	487.3	468.8	443.4	417.0	389.3	363.5	338.6	317.3
142.5°	489.9	489.2	481.5	467.9	450.4	429.2	406.4	382.8	360.2	338.6	318.7
145°	458.4	456.7	450.9	441.1	427.4	410.6	392.7	373.8	355.9	337.5	320.2
147.5°	432.0	431.0	427.1	419.3	407.9	395.7	381.7	366.8	351.5	335.4	320.6
150°	416.4	415.8	412.3	405.5	396.8	386.5	374.4	361.6	347.9	334.1	320.2
152.5°	403.0	402.9	400.4	394.4	387.6	378.6	368.4	356.6	344.7	331.7	319.3
155°	385.3	386.5	384.2	380.1	373.8	367.4	358.8	349.6	338.6	327.7	317.9
157.5°	370.2	370.2	369.2	365.8	361.3	356.4	349.1	341.4	333.0	323.6	315.3
160°	360.5	360.5	359.9	357.1	353.0	349.0	342.6	336.3	328.8	320.8	313.9
162.5°	351.3	351.7	351.2	349.2	345.2	342.1	336.7	331.2	325.2	318.5	312.5
165°	338.1	338.6	338.6	336.3	334.1	331.7	327.7	323.7	319.0	313.9	309.8
167.5°	325.9	326.6	326.7	325.4	324.4	322.2	319.5	316.4	313.1	309.8	307.2
170°	318.5	319.6	320.2	318.5	317.9	316.8	314.5	312.8	309.8	307.5	305.8
172.5°	312.5	313.2	313.8	313.0	312.4	311.6	309.8	308.6	306.6	304.8	304.0
175°	304.7	305.8	306.4	305.8	305.8	305.3	304.7	304.1	302.4	301.7	301.2
177.5°	299.9	300.8	301.3	301.3	301.3	301.3	300.8	300.8	299.9	299.4	299.9
180°	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1519.0	1515.7	1512.9	1505.4	1501.8	1493.5	1492.3	1491.9	1481.1	1470.8	1467.9
5°	1571.2	1563.0	1550.5	1536.1	1521.2	1505.7	1495.4	1487.2	1466.5	1446.9	1435.6
7.5°	1623.8	1606.1	1584.7	1557.4	1534.6	1509.0	1490.1	1473.1	1443.8	1415.7	1396.8
10°	1662.9	1634.1	1605.8	1568.1	1538.7	1509.8	1483.1	1459.9	1426.8	1389.8	1363.4
12.5°	1687.3	1655.6	1616.5	1579.6	1541.7	1504.9	1469.1	1439.3	1400.5	1362.1	1330.9
15°	1720.2	1686.2	1638.7	1586.2	1537.2	1489.2	1448.0	1410.9	1360.4	1314.5	1276.4
17.5°	1747.1	1700.3	1649.3	1588.5	1531.9	1470.9	1417.7	1370.4	1314.1	1258.8	1213.9
20°	1755.8	1709.4	1650.6	1589.7	1522.8	1451.1	1393.9	1342.3	1282.0	1221.7	1170.1
22.5°	1750.4	1714.3	1648.9	1576.2	1507.5	1432.5	1367.9	1308.1	1241.2	1179.6	1119.8
25°	1714.0	1701.6	1639.8	1560.3	1482.1	1394.9	1320.2	1254.7	1178.4	1112.5	1047.4
27.5°	1629.1	1655.9	1617.5	1533.0	1445.8	1352.4	1268.4	1193.9	1114.7	1040.5	975.7
30°	1547.5	1608.8	1592.4	1514.0	1416.5	1324.8	1230.5	1152.7	1068.1	991.8	927.9
32.5°	1435.7	1537.1	1553.2	1487.6	1386.8	1286.1	1187.2	1109.7	1021.5	941.1	878.8
35°	1257.8	1409.4	1478.9	1437.1	1336.2	1227.4	1125.3	1035.1	946.4	867.1	805.2
37.5°	1045.5	1251.9	1367.9	1370.9	1278.1	1165.0	1053.9	964.3	873.5	795.6	728.7
40°	907.8	1131.5	1282.5	1316.1	1237.7	1115.5	1003.1	911.9	823.2	746.9	670.1
42.5°	784.1	1006.9	1192.7	1250.9	1188.6	1067.2	954.5	859.1	773.0	700.7	622.3
45°	634.1	828.9	1033.6	1137.7	1103.2	990.8	871.7	780.9	700.0	637.6	562.4
47.5°	534.8	672.2	870.2	1011.1	1010.5	907.9	790.7	703.9	628.8	570.4	509.4
50°	478.4	597.9	765.5	925.3	938.7	852.6	741.2	655.2	585.1	523.7	474.7
52.5°	427.7	526.2	676.8	830.0	868.2	793.7	685.6	606.1	538.1	481.7	439.7
55°	361.3	437.7	552.1	695.4	753.2	700.5	604.7	530.5	475.2	427.9	391.7
57.5°	305.7	362.9	454.7	570.2	637.3	604.3	525.1	464.8	417.7	374.8	346.3
60°	270.6	317.5	395.4	491.8	566.0	542.8	475.2	419.1	378.9	341.7	315.0
62.5°	237.6	277.9	344.7	422.9	491.0	481.4	426.2	379.1	343.9	310.0	287.3
65°	191.3	220.7	272.7	334.1	388.7	393.3	353.7	321.6	290.2	263.4	243.3
67.5°	152.3	171.5	208.1	259.8	300.7	315.4	291.1	266.7	241.8	221.1	203.6
70°	128.4	143.8	170.7	212.4	250.0	265.5	251.6	232.5	210.9	193.8	178.8
72.5°	104.0	119.1	138.9	169.5	201.8	218.4	213.6	200.0	182.4	168.2	154.1
75°	78.4	83.0	96.4	117.0	142.3	156.7	160.4	153.1	139.2	128.4	120.1
77.5°	58.0	60.7	67.2	78.0	94.4	107.3	112.6	111.8	102.2	95.8	88.2
80°	46.4	48.0	51.0	55.6	68.1	80.9	84.5	84.5	77.9	75.2	67.6
82.5°	35.2	36.4	38.3	40.8	46.6	57.9	61.9	62.7	58.5	55.0	49.0
85°	20.1	19.6	20.6	22.1	23.2	26.3	32.5	33.5	32.5	28.4	26.8
87.5°	10.1	9.7	9.2	8.4	8.6	8.8	10.4	12.1	10.8	10.0	9.4
90°	15.6	11.5	8.7	6.9	5.8	4.6	2.3	0.6	2.3	4.6	5.8
92.5°	57.5	39.2	26.2	20.7	16.9	14.2	10.1	7.1	10.1	14.2	16.9
95°	133.0	82.9	56.5	42.6	33.4	28.2	22.4	20.2	22.4	28.2	33.4
97.5°	179.3	109.5	76.1	60.5	49.9	42.0	36.0	32.8	36.0	42.0	49.9
100°	188.9	118.7	88.2	72.0	60.5	51.3	46.0	44.3	46.0	51.3	60.5
102.5°	189.3	126.9	98.7	82.6	70.6	61.4	56.2	54.9	56.2	61.4	70.6
105°	192.4	141.1	114.0	97.9	85.2	76.5	72.6	70.3	72.6	76.5	85.2
107.5°	200.3	155.6	129.4	113.1	100.6	92.6	88.7	86.8	88.7	92.6	100.6
110°	206.7	165.3	140.0	123.2	111.2	103.7	100.2	97.9	100.2	103.7	111.2





TEST NUMBER: P331683-840

CATALOG NUMBER: S122RDIP-S675D530U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	213.7	174.5	150.1	132.9	121.3	114.2	110.4	108.1	110.4	114.2	121.3
115°	224.0	188.9	164.1	148.6	137.0	130.2	126.7	123.8	126.7	130.2	137.0
117.5°	235.1	202.2	179.3	163.1	152.1	145.9	142.5	140.2	142.5	145.9	152.1
120°	242.5	211.4	188.9	172.8	161.3	156.0	152.6	150.3	152.6	156.0	161.3
122.5°	248.9	220.2	199.0	182.5	171.0	165.3	161.9	160.0	161.9	165.3	171.0
125°	259.1	233.3	212.5	196.4	184.9	177.9	174.5	172.8	174.5	177.9	184.9
127.5°	268.7	245.5	225.3	208.7	197.6	190.1	185.2	182.9	185.2	190.1	197.6
130°	274.7	252.9	232.7	216.5	205.0	196.9	191.2	188.9	191.2	196.9	205.0
132.5°	280.7	259.2	240.0	223.9	212.0	203.4	197.2	194.4	197.2	203.4	212.0
135°	288.5	268.4	249.9	233.8	220.6	212.0	205.0	202.7	205.0	212.0	220.6
137.5°	294.5	275.8	257.5	242.6	229.4	220.3	213.3	210.6	213.3	220.3	229.4
140°	297.7	279.9	262.7	247.6	235.0	225.8	218.8	216.5	218.8	225.8	235.0
142.5°	300.5	283.2	266.3	252.3	240.0	230.9	224.4	222.6	224.4	230.9	240.0
145°	304.1	287.9	272.4	259.7	248.2	239.5	233.8	231.6	233.8	239.5	248.2
147.5°	306.1	291.9	277.2	266.0	256.4	248.4	242.9	241.2	242.9	248.4	256.4
150°	307.0	293.7	280.4	270.1	261.5	254.0	249.3	247.6	249.3	254.0	261.5
152.5°	307.4	295.6	283.7	274.3	266.1	259.5	254.9	254.1	254.9	259.5	266.1
155°	308.1	298.3	288.5	279.9	273.6	267.2	263.8	263.2	263.8	267.2	273.6
157.5°	308.1	300.2	292.0	284.8	279.6	274.2	271.4	270.7	271.4	274.2	279.6
160°	308.1	301.2	294.3	287.9	283.4	278.7	276.4	275.9	276.4	278.7	283.4
162.5°	307.6	301.6	295.7	290.7	286.6	282.9	280.5	280.9	280.5	282.9	286.6
165°	306.4	302.4	297.2	293.7	290.8	287.4	286.2	286.8	286.2	287.4	290.8
167.5°	305.6	302.3	298.4	296.3	294.2	292.0	290.9	291.6	290.9	292.0	294.2
170°	304.7	301.7	298.9	297.2	296.0	294.3	293.7	294.9	293.7	294.3	296.0
172.5°	303.3	301.3	299.3	298.1	297.4	295.7	296.0	296.7	296.0	295.7	297.4
175°	301.7	300.6	299.4	298.9	298.9	297.7	298.3	298.9	298.3	297.7	298.9
177.5°	300.8	299.9	299.4	299.4	299.4	298.5	299.0	299.9	299.0	298.5	299.4
180°	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4



TEST NUMBER: P331683-840

CATALOG NUMBER: S122RDIP-S675D530U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1462.6	1459.7	1454.3	1446.0	1441.1	1432.4	1426.6	1430.0	1430.8	1430.0	1429.2
5°	1423.3	1412.4	1397.5	1383.0	1369.7	1355.2	1347.0	1343.3	1336.2	1332.0	1330.0
7.5°	1375.7	1357.1	1336.0	1310.8	1289.4	1267.1	1255.7	1249.9	1235.2	1227.2	1220.1
10°	1340.3	1310.9	1289.8	1256.8	1236.7	1207.3	1187.2	1187.7	1167.6	1156.2	1148.0
12.5°	1301.1	1268.8	1233.7	1204.0	1176.0	1152.5	1128.2	1118.4	1097.0	1086.1	1063.9
15°	1236.2	1198.5	1161.4	1121.2	1092.9	1056.2	1021.2	978.4	943.8	913.9	905.7
17.5°	1165.2	1118.6	1081.4	1034.2	985.6	924.0	883.4	858.6	837.8	822.0	810.2
20°	1116.5	1069.1	1029.5	958.3	892.8	851.1	821.2	802.1	780.4	763.5	754.2
22.5°	1065.4	1015.9	961.8	882.4	831.4	797.9	771.2	749.3	734.7	721.3	713.0
25°	992.8	938.7	849.5	794.9	753.7	718.6	700.0	686.6	671.2	653.1	644.9
27.5°	916.1	830.0	766.0	725.4	686.0	663.2	646.5	626.5	612.7	604.6	596.0
30°	858.8	772.7	722.8	678.4	650.6	625.3	605.7	594.4	581.0	567.0	561.4
32.5°	794.9	726.1	678.2	641.3	613.0	591.5	576.0	557.6	548.0	539.4	527.6
35°	715.5	663.5	619.7	589.8	562.9	545.4	527.4	516.5	499.0	491.8	487.2
37.5°	648.2	603.1	570.5	538.9	517.7	498.3	487.3	470.0	462.4	452.4	442.6
40°	610.4	566.0	534.5	508.8	485.0	470.6	456.8	442.8	431.4	426.9	415.0
42.5°	571.6	535.5	504.0	475.7	459.9	444.6	427.1	416.9	405.1	397.6	390.2
45°	518.1	486.1	459.3	436.1	418.6	402.6	391.2	374.3	367.6	352.5	346.4
47.5°	471.1	441.3	415.8	393.7	376.6	366.2	349.6	336.3	325.6	316.4	308.5
50°	437.7	412.9	388.2	368.6	353.1	338.2	321.1	314.5	297.9	293.3	288.7
52.5°	407.2	383.6	360.9	341.7	326.3	311.7	296.8	288.0	276.9	272.3	268.9
55°	364.5	341.7	320.1	303.1	287.6	272.7	263.4	252.6	247.4	243.8	239.7
57.5°	321.5	301.1	284.6	267.3	251.8	239.9	229.1	222.7	217.3	212.6	207.6
60°	294.4	274.8	259.8	243.8	227.8	218.0	209.8	202.1	195.9	188.6	186.6
62.5°	265.5	248.3	234.7	219.0	205.2	196.2	188.3	181.1	173.6	163.1	160.2
65°	225.8	212.4	197.9	185.1	172.7	163.9	152.6	144.3	141.3	140.2	139.7
67.5°	190.0	177.2	164.8	151.7	140.4	132.3	126.5	125.2	123.1	122.5	121.1
70°	166.0	154.1	141.8	129.4	118.6	117.0	114.9	112.9	110.3	109.3	108.3
72.5°	144.5	132.3	119.9	110.0	105.3	103.4	101.4	99.3	97.6	96.5	95.8
75°	110.8	99.5	91.3	87.7	85.0	83.5	80.4	78.9	77.9	76.2	75.7
77.5°	79.8	73.4	69.6	67.4	64.6	63.0	61.2	59.7	58.6	58.3	57.5
80°	60.8	57.8	55.1	52.1	51.0	49.0	48.5	47.0	47.5	45.8	45.8
82.5°	47.3	43.3	41.1	39.7	38.7	37.1	36.5	35.7	35.9	34.7	34.7
85°	24.2	23.2	22.1	21.1	21.1	19.6	20.1	19.6	19.6	18.6	18.1
87.5°	9.2	9.2	8.9	9.7	10.4	10.1	10.0	9.5	9.2	9.5	9.2
90°	6.9	8.7	11.5	15.6	19.0	19.6	19.0	18.4	17.3	18.4	19.0
92.5°	20.7	26.2	39.2	57.5	73.8	74.8	63.2	50.2	43.1	38.3	34.6
95°	42.6	56.5	82.9	133.0	199.9	225.8	197.5	150.9	115.7	91.6	78.9
97.5°	60.5	76.1	109.5	179.3	290.2	385.4	404.2	352.1	288.1	225.8	184.2
100°	72.0	88.2	118.7	188.9	313.3	454.9	537.9	525.8	454.4	375.5	305.8
102.5°	82.6	98.7	126.9	189.3	304.6	457.3	587.6	639.6	623.5	565.8	491.9
105°	97.9	114.0	141.1	192.4	287.4	426.8	580.0	699.7	764.8	772.3	753.3
107.5°	113.1	129.4	155.6	200.3	278.8	394.0	529.4	656.4	754.5	814.4	842.2
110°	123.2	140.0	165.3	206.7	277.0	378.4	497.6	619.1	722.2	795.9	843.1



TEST NUMBER: P331683-840

CATALOG NUMBER: S122RDIP-S675D530U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	132.9	150.1	174.5	213.7	277.5	368.2	475.4	585.0	684.0	762.8	816.9
115°	148.6	164.1	188.9	224.0	279.9	357.1	448.1	543.1	631.8	707.2	766.6
117.5°	163.1	179.3	202.2	235.1	284.1	351.6	430.8	511.5	589.4	657.8	713.5
120°	172.8	188.9	211.4	242.5	286.8	348.4	421.6	495.8	567.2	628.3	680.8
122.5°	182.5	199.0	220.2	248.9	290.0	346.6	413.7	483.4	548.9	606.6	654.0
125°	196.4	212.5	233.3	259.1	294.9	343.3	402.5	465.3	524.6	575.3	618.5
127.5°	208.7	225.3	245.5	268.7	299.8	341.3	392.2	447.5	501.2	549.0	588.9
130°	216.5	232.7	252.9	274.7	303.5	340.3	385.3	436.0	485.5	531.0	569.0
132.5°	223.9	240.0	259.2	280.7	307.2	339.9	379.7	425.0	470.8	512.6	548.3
135°	233.8	249.9	268.4	288.5	311.5	339.2	372.0	409.5	447.5	485.5	517.8
137.5°	242.6	257.5	275.8	294.5	315.5	339.1	366.6	397.2	429.0	459.1	487.3
140°	247.6	262.7	279.9	297.7	317.3	338.6	363.5	389.3	417.0	443.4	468.8
142.5°	252.3	266.3	283.2	300.5	318.7	338.6	360.2	382.8	406.4	429.2	450.4
145°	259.7	272.4	287.9	304.1	320.2	337.5	355.9	373.8	392.7	410.6	427.4
147.5°	266.0	277.2	291.9	306.1	320.6	335.4	351.5	366.8	381.7	395.7	407.9
150°	270.1	280.4	293.7	307.0	320.2	334.1	347.9	361.6	374.4	386.5	396.8
152.5°	274.3	283.7	295.6	307.4	319.3	331.7	344.7	356.6	368.4	378.6	387.6
155°	279.9	288.5	298.3	308.1	317.9	327.7	338.6	349.6	358.8	367.4	373.8
157.5°	284.8	292.0	300.2	308.1	315.3	323.6	333.0	341.4	349.1	356.4	361.3
160°	287.9	294.3	301.2	308.1	313.9	320.8	328.8	336.3	342.6	349.0	353.0
162.5°	290.7	295.7	301.6	307.6	312.5	318.5	325.2	331.2	336.7	342.1	345.2
165°	293.7	297.2	302.4	306.4	309.8	313.9	319.0	323.7	327.7	331.7	334.1
167.5°	296.3	298.4	302.3	305.6	307.2	309.8	313.1	316.4	319.5	322.2	324.4
170°	297.2	298.9	301.7	304.7	305.8	307.5	309.8	312.8	314.5	316.8	317.9
172.5°	298.1	299.3	301.3	303.3	304.0	304.8	306.6	308.6	309.8	311.6	312.4
175°	298.9	299.4	300.6	301.7	301.2	301.7	302.4	304.1	304.7	305.3	305.8
177.5°	299.4	299.4	299.9	300.8	299.9	299.4	299.9	300.8	300.8	301.3	301.3
180°	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4



TEST NUMBER: P331683-840

CATALOG NUMBER: S122RDIP-S675D530U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1424.6	1425.4	1424.2	1425.0	1424.2	1425.4	1424.6	1429.2	1430.0	1430.8	1430.0
5°	1327.4	1321.2	1320.2	1318.6	1320.2	1321.2	1327.4	1330.0	1332.0	1336.2	1343.3
7.5°	1211.3	1210.3	1207.8	1204.2	1207.8	1210.3	1211.3	1220.1	1227.2	1235.2	1249.9
10°	1136.6	1134.1	1133.6	1129.9	1133.6	1134.1	1136.6	1148.0	1156.2	1167.6	1187.7
12.5°	1049.2	1032.6	1030.9	1021.9	1030.9	1032.6	1049.2	1063.9	1086.1	1097.0	1118.4
15°	893.3	890.3	879.9	873.2	879.9	890.3	893.3	905.7	913.9	943.8	978.4
17.5°	804.3	794.2	790.9	789.5	790.9	794.2	804.3	810.2	822.0	837.8	858.6
20°	746.9	737.7	736.1	735.1	736.1	737.7	746.9	754.2	763.5	780.4	802.1
22.5°	707.3	697.6	693.7	690.5	693.7	697.6	707.3	713.0	721.3	734.7	749.3
25°	639.7	636.1	634.1	633.0	634.1	636.1	639.7	644.9	653.1	671.2	686.6
27.5°	586.8	578.9	577.3	574.7	577.3	578.9	586.8	596.0	604.6	612.7	626.5
30°	556.7	554.1	550.6	547.4	550.6	554.1	556.7	561.4	567.0	581.0	594.4
32.5°	521.3	519.1	515.9	514.4	515.9	519.1	521.3	527.6	539.4	548.0	557.6
35°	482.0	474.7	471.7	467.1	471.7	474.7	482.0	487.2	491.8	499.0	516.5
37.5°	440.4	436.7	432.3	433.8	432.3	436.7	440.4	442.6	452.4	462.4	470.0
40°	408.3	405.7	404.7	404.1	404.7	405.7	408.3	415.0	426.9	431.4	442.8
42.5°	382.7	375.6	372.9	372.8	372.9	375.6	382.7	390.2	397.6	405.1	416.9
45°	343.9	337.1	332.4	333.1	332.4	337.1	343.9	346.4	352.5	367.6	374.3
47.5°	304.1	303.9	300.9	301.8	300.9	303.9	304.1	308.5	316.4	325.6	336.3
50°	285.1	282.0	279.9	280.4	279.9	282.0	285.1	288.7	293.3	297.9	314.5
52.5°	266.9	264.3	262.6	264.8	262.6	264.3	266.9	268.9	272.3	276.9	288.0
55°	237.1	234.0	233.5	233.0	233.5	234.0	237.1	239.7	243.8	247.4	252.6
57.5°	203.8	201.8	198.6	197.3	198.6	201.8	203.8	207.6	212.6	217.3	222.7
60°	179.9	175.8	170.7	170.1	170.7	175.8	179.9	186.6	188.6	195.9	202.1
62.5°	158.0	157.2	156.2	156.1	156.2	157.2	158.0	160.2	163.1	173.6	181.1
65°	138.7	138.1	138.7	139.2	138.7	138.1	138.7	139.7	140.2	141.3	144.3
67.5°	120.9	119.9	119.0	119.4	119.0	119.9	120.9	121.1	122.5	123.1	125.2
70°	107.2	106.7	106.2	106.2	106.2	106.7	107.2	108.3	109.3	110.3	112.9
72.5°	94.0	93.9	93.4	93.0	93.4	93.9	94.0	95.8	96.5	97.6	99.3
75°	75.2	74.2	74.2	74.2	74.2	74.2	75.2	75.7	76.2	77.9	78.9
77.5°	57.4	56.9	56.2	55.8	56.2	56.9	57.4	57.5	58.3	58.6	59.7
80°	45.3	44.8	44.3	44.3	44.3	44.8	45.3	45.8	45.8	47.5	47.0
82.5°	34.6	34.1	34.0	33.6	34.0	34.1	34.6	34.7	34.7	35.9	35.7
85°	18.6	19.1	18.6	19.6	18.6	19.1	18.6	18.1	18.6	19.6	19.6
87.5°	9.2	8.8	9.2	8.8	9.2	8.8	9.2	9.2	9.5	9.2	9.5
90°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.4	17.3	18.4
92.5°	34.2	32.4	32.8	31.9	32.8	32.4	34.2	34.6	38.3	43.1	50.2
95°	71.4	66.9	65.0	65.6	65.0	66.9	71.4	78.9	91.6	115.7	150.9
97.5°	156.6	142.5	134.1	129.3	134.1	142.5	156.6	184.2	225.8	288.1	352.1
100°	258.0	233.3	216.5	206.2	216.5	233.3	258.0	305.8	375.5	454.4	525.8
102.5°	440.0	397.7	376.9	362.8	376.9	397.7	440.0	491.9	565.8	623.5	639.6
105°	717.6	681.9	657.1	649.0	657.1	681.9	717.6	753.3	772.3	764.8	699.7
107.5°	846.7	844.8	839.8	829.1	839.8	844.8	846.7	842.2	814.4	754.5	656.4
110°	867.9	878.9	884.0	883.4	884.0	878.9	867.9	843.1	795.9	722.2	619.1



TEST NUMBER: P331683-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	851.3	869.6	879.4	882.5	879.4	869.6	851.3	816.9	762.8	684.0	585.0
115°	807.4	833.9	848.9	854.0	848.9	833.9	807.4	766.6	707.2	631.8	543.1
117.5°	755.2	783.2	798.9	803.2	798.9	783.2	755.2	713.5	657.8	589.4	511.5
120°	721.0	748.1	764.8	770.5	764.8	748.1	721.0	680.8	628.3	567.2	495.8
122.5°	690.1	716.8	731.6	736.5	731.6	716.8	690.1	654.0	606.6	548.9	483.4
125°	652.0	673.8	688.2	692.9	688.2	673.8	652.0	618.5	575.3	524.6	465.3
127.5°	617.9	638.4	650.9	654.6	650.9	638.4	617.9	588.9	549.0	501.2	447.5
130°	597.2	616.8	628.3	632.9	628.3	616.8	597.2	569.0	531.0	485.5	436.0
132.5°	576.0	595.6	606.2	610.4	606.2	595.6	576.0	548.3	512.6	470.8	425.0
135°	542.5	561.5	571.9	574.2	571.9	561.5	542.5	517.8	485.5	447.5	409.5
137.5°	509.8	526.1	535.2	538.7	535.2	526.1	509.8	487.3	459.1	429.0	397.2
140°	487.3	502.2	510.8	514.3	510.8	502.2	487.3	468.8	443.4	417.0	389.3
142.5°	467.9	481.5	489.2	489.9	489.2	481.5	467.9	450.4	429.2	406.4	382.8
145°	441.1	450.9	456.7	458.4	456.7	450.9	441.1	427.4	410.6	392.7	373.8
147.5°	419.3	427.1	431.0	432.0	431.0	427.1	419.3	407.9	395.7	381.7	366.8
150°	405.5	412.3	415.8	416.4	415.8	412.3	405.5	396.8	386.5	374.4	361.6
152.5°	394.4	400.4	402.9	403.0	402.9	400.4	394.4	387.6	378.6	368.4	356.6
155°	380.1	384.2	386.5	385.3	386.5	384.2	380.1	373.8	367.4	358.8	349.6
157.5°	365.8	369.2	370.2	370.2	370.2	369.2	365.8	361.3	356.4	349.1	341.4
160°	357.1	359.9	360.5	360.5	360.5	359.9	357.1	353.0	349.0	342.6	336.3
162.5°	349.2	351.2	351.7	351.3	351.7	351.2	349.2	345.2	342.1	336.7	331.2
165°	336.3	338.6	338.6	338.1	338.6	338.6	336.3	334.1	331.7	327.7	323.7
167.5°	325.4	326.7	326.6	325.9	326.6	326.7	325.4	324.4	322.2	319.5	316.4
170°	318.5	320.2	319.6	318.5	319.6	320.2	318.5	317.9	316.8	314.5	312.8
172.5°	313.0	313.8	313.2	312.5	313.2	313.8	313.0	312.4	311.6	309.8	308.6
175°	305.8	306.4	305.8	304.7	305.8	306.4	305.8	305.8	305.3	304.7	304.1
177.5°	301.3	301.3	300.8	299.9	300.8	301.3	301.3	301.3	301.3	300.8	300.8
180°	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4



TEST NUMBER: P331683-840

CATALOG NUMBER: S122RDIP-S675D530U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1426.6	1432.4	1441.1	1446.0	1454.3	1459.7	1462.6	1467.9	1470.8	1481.1	1491.9
5°	1347.0	1355.2	1369.7	1383.0	1397.5	1412.4	1423.3	1435.6	1446.9	1466.5	1487.2
7.5°	1255.7	1267.1	1289.4	1310.8	1336.0	1357.1	1375.7	1396.8	1415.7	1443.8	1473.1
10°	1187.2	1207.3	1236.7	1256.8	1289.8	1310.9	1340.3	1363.4	1389.8	1426.8	1459.9
12.5°	1128.2	1152.5	1176.0	1204.0	1233.7	1268.8	1301.1	1330.9	1362.1	1400.5	1439.3
15°	1021.2	1056.2	1092.9	1121.2	1161.4	1198.5	1236.2	1276.4	1314.5	1360.4	1410.9
17.5°	883.4	924.0	985.6	1034.2	1081.4	1118.6	1165.2	1213.9	1258.8	1314.1	1370.4
20°	821.2	851.1	892.8	958.3	1029.5	1069.1	1116.5	1170.1	1221.7	1282.0	1342.3
22.5°	771.2	797.9	831.4	882.4	961.8	1015.9	1065.4	1119.8	1179.6	1241.2	1308.1
25°	700.0	718.6	753.7	794.9	849.5	938.7	992.8	1047.4	1112.5	1178.4	1254.7
27.5°	646.5	663.2	686.0	725.4	766.0	830.0	916.1	975.7	1040.5	1114.7	1193.9
30°	605.7	625.3	650.6	678.4	722.8	772.7	858.8	927.9	991.8	1068.1	1152.7
32.5°	576.0	591.5	613.0	641.3	678.2	726.1	794.9	878.8	941.1	1021.5	1109.7
35°	527.4	545.4	562.9	589.8	619.7	663.5	715.5	805.2	867.1	946.4	1035.1
37.5°	487.3	498.3	517.7	538.9	570.5	603.1	648.2	728.7	795.6	873.5	964.3
40°	456.8	470.6	485.0	508.8	534.5	566.0	610.4	670.1	746.9	823.2	911.9
42.5°	427.1	444.6	459.9	475.7	504.0	535.5	571.6	622.3	700.7	773.0	859.1
45°	391.2	402.6	418.6	436.1	459.3	486.1	518.1	562.4	637.6	700.0	780.9
47.5°	349.6	366.2	376.6	393.7	415.8	441.3	471.1	509.4	570.4	628.8	703.9
50°	321.1	338.2	353.1	368.6	388.2	412.9	437.7	474.7	523.7	585.1	655.2
52.5°	296.8	311.7	326.3	341.7	360.9	383.6	407.2	439.7	481.7	538.1	606.1
55°	263.4	272.7	287.6	303.1	320.1	341.7	364.5	391.7	427.9	475.2	530.5
57.5°	229.1	239.9	251.8	267.3	284.6	301.1	321.5	346.3	374.8	417.7	464.8
60°	209.8	218.0	227.8	243.8	259.8	274.8	294.4	315.0	341.7	378.9	419.1
62.5°	188.3	196.2	205.2	219.0	234.7	248.3	265.5	287.3	310.0	343.9	379.1
65°	152.6	163.9	172.7	185.1	197.9	212.4	225.8	243.3	263.4	290.2	321.6
67.5°	126.5	132.3	140.4	151.7	164.8	177.2	190.0	203.6	221.1	241.8	266.7
70°	114.9	117.0	118.6	129.4	141.8	154.1	166.0	178.8	193.8	210.9	232.5
72.5°	101.4	103.4	105.3	110.0	119.9	132.3	144.5	154.1	168.2	182.4	200.0
75°	80.4	83.5	85.0	87.7	91.3	99.5	110.8	120.1	128.4	139.2	153.1
77.5°	61.2	63.0	64.6	67.4	69.6	73.4	79.8	88.2	95.8	102.2	111.8
80°	48.5	49.0	51.0	52.1	55.1	57.8	60.8	67.6	75.2	77.9	84.5
82.5°	36.5	37.1	38.7	39.7	41.1	43.3	47.3	49.0	55.0	58.5	62.7
85°	20.1	19.6	21.1	21.1	22.1	23.2	24.2	26.8	28.4	32.5	33.5
87.5°	10.0	10.1	10.4	9.7	8.9	9.2	9.2	9.4	10.0	10.8	12.1
90°	19.0	19.6	19.0	15.6	11.5	8.7	6.9	5.8	4.6	2.3	0.6
92.5°	63.2	74.8	73.8	57.5	39.2	26.2	20.7	16.9	14.2	10.1	7.1
95°	197.5	225.8	199.9	133.0	82.9	56.5	42.6	33.4	28.2	22.4	20.2
97.5°	404.2	385.4	290.2	179.3	109.5	76.1	60.5	49.9	42.0	36.0	32.8
100°	537.9	454.9	313.3	188.9	118.7	88.2	72.0	60.5	51.3	46.0	44.3
102.5°	587.6	457.3	304.6	189.3	126.9	98.7	82.6	70.6	61.4	56.2	54.9
105°	580.0	426.8	287.4	192.4	141.1	114.0	97.9	85.2	76.5	72.6	70.3
107.5°	529.4	394.0	278.8	200.3	155.6	129.4	113.1	100.6	92.6	88.7	86.8
110°	497.6	378.4	277.0	206.7	165.3	140.0	123.2	111.2	103.7	100.2	97.9



TEST NUMBER: P331683-840

CATALOG NUMBER: S122RDIP-S675D530U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	475.4	368.2	277.5	213.7	174.5	150.1	132.9	121.3	114.2	110.4	108.1
115°	448.1	357.1	279.9	224.0	188.9	164.1	148.6	137.0	130.2	126.7	123.8
117.5°	430.8	351.6	284.1	235.1	202.2	179.3	163.1	152.1	145.9	142.5	140.2
120°	421.6	348.4	286.8	242.5	211.4	188.9	172.8	161.3	156.0	152.6	150.3
122.5°	413.7	346.6	290.0	248.9	220.2	199.0	182.5	171.0	165.3	161.9	160.0
125°	402.5	343.3	294.9	259.1	233.3	212.5	196.4	184.9	177.9	174.5	172.8
127.5°	392.2	341.3	299.8	268.7	245.5	225.3	208.7	197.6	190.1	185.2	182.9
130°	385.3	340.3	303.5	274.7	252.9	232.7	216.5	205.0	196.9	191.2	188.9
132.5°	379.7	339.9	307.2	280.7	259.2	240.0	223.9	212.0	203.4	197.2	194.4
135°	372.0	339.2	311.5	288.5	268.4	249.9	233.8	220.6	212.0	205.0	202.7
137.5°	366.6	339.1	315.5	294.5	275.8	257.5	242.6	229.4	220.3	213.3	210.6
140°	363.5	338.6	317.3	297.7	279.9	262.7	247.6	235.0	225.8	218.8	216.5
142.5°	360.2	338.6	318.7	300.5	283.2	266.3	252.3	240.0	230.9	224.4	222.6
145°	355.9	337.5	320.2	304.1	287.9	272.4	259.7	248.2	239.5	233.8	231.6
147.5°	351.5	335.4	320.6	306.1	291.9	277.2	266.0	256.4	248.4	242.9	241.2
150°	347.9	334.1	320.2	307.0	293.7	280.4	270.1	261.5	254.0	249.3	247.6
152.5°	344.7	331.7	319.3	307.4	295.6	283.7	274.3	266.1	259.5	254.9	254.1
155°	338.6	327.7	317.9	308.1	298.3	288.5	279.9	273.6	267.2	263.8	263.2
157.5°	333.0	323.6	315.3	308.1	300.2	292.0	284.8	279.6	274.2	271.4	270.7
160°	328.8	320.8	313.9	308.1	301.2	294.3	287.9	283.4	278.7	276.4	275.9
162.5°	325.2	318.5	312.5	307.6	301.6	295.7	290.7	286.6	282.9	280.5	280.9
165°	319.0	313.9	309.8	306.4	302.4	297.2	293.7	290.8	287.4	286.2	286.8
167.5°	313.1	309.8	307.2	305.6	302.3	298.4	296.3	294.2	292.0	290.9	291.6
170°	309.8	307.5	305.8	304.7	301.7	298.9	297.2	296.0	294.3	293.7	294.9
172.5°	306.6	304.8	304.0	303.3	301.3	299.3	298.1	297.4	295.7	296.0	296.7
175°	302.4	301.7	301.2	301.7	300.6	299.4	298.9	298.9	297.7	298.3	298.9
177.5°	299.9	299.4	299.9	300.8	299.9	299.4	299.4	299.4	298.5	299.0	299.9
180°	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4



TEST NUMBER: P331683-840

CATALOG NUMBER: S122RDIP-S675D530U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1492.3	1493.5	1501.8	1505.4	1512.9	1515.7	1519.0	1518.2	1518.2	1519.8	1531.5
5°	1495.4	1505.7	1521.2	1536.1	1550.5	1563.0	1571.2	1579.4	1582.6	1597.5	1610.9
7.5°	1490.1	1509.0	1534.6	1557.4	1584.7	1606.1	1623.8	1639.8	1650.7	1672.4	1694.8
10°	1483.1	1509.8	1538.7	1568.1	1605.8	1634.1	1662.9	1685.2	1692.3	1724.8	1743.4
12.5°	1469.1	1504.9	1541.7	1579.6	1616.5	1655.6	1687.3	1709.5	1734.8	1764.0	1798.3
15°	1448.0	1489.2	1537.2	1586.2	1638.7	1686.2	1720.2	1758.9	1786.7	1818.7	1848.6
17.5°	1417.7	1470.9	1531.9	1588.5	1649.3	1700.3	1747.1	1784.2	1803.8	1822.0	1826.4
20°	1393.9	1451.1	1522.8	1589.7	1650.6	1709.4	1755.8	1786.7	1791.8	1792.3	1765.0
22.5°	1367.9	1432.5	1507.5	1576.2	1648.9	1714.3	1750.4	1763.6	1743.1	1708.2	1655.4
25°	1320.2	1394.9	1482.1	1560.3	1639.8	1701.6	1714.0	1690.8	1619.1	1543.9	1448.6
27.5°	1268.4	1352.4	1445.8	1533.0	1617.5	1655.9	1629.1	1545.5	1416.4	1304.2	1168.3
30°	1230.5	1324.8	1416.5	1514.0	1592.4	1608.8	1547.5	1424.3	1273.7	1104.7	969.2
32.5°	1187.2	1286.1	1386.8	1487.6	1553.2	1537.1	1435.7	1284.0	1107.6	941.4	813.2
35°	1125.3	1227.4	1336.2	1437.1	1478.9	1409.4	1257.8	1060.4	879.9	724.8	636.6
37.5°	1053.9	1165.0	1278.1	1370.9	1367.9	1251.9	1045.5	841.7	690.0	598.2	535.5
40°	1003.1	1115.5	1237.7	1316.1	1282.5	1131.5	907.8	715.5	604.7	531.5	485.5
42.5°	954.5	1067.2	1188.6	1250.9	1192.7	1006.9	784.1	633.4	542.0	484.8	447.7
45°	871.7	990.8	1103.2	1137.7	1033.6	828.9	634.1	524.7	463.9	421.7	395.9
47.5°	790.7	907.9	1010.5	1011.1	870.2	672.2	534.8	454.1	402.2	369.5	350.7
50°	741.2	852.6	938.7	925.3	765.5	597.9	478.4	408.8	365.5	340.2	320.6
52.5°	685.6	793.7	868.2	830.0	676.8	526.2	427.7	369.2	333.4	311.3	293.9
55°	604.7	700.5	753.2	695.4	552.1	437.7	361.3	315.5	288.7	270.1	255.2
57.5°	525.1	604.3	637.3	570.2	454.7	362.9	305.7	271.2	244.7	231.4	223.6
60°	475.2	542.8	566.0	491.8	395.4	317.5	270.6	238.6	219.0	210.4	202.6
62.5°	426.2	481.4	491.0	422.9	344.7	277.9	237.6	210.7	197.6	189.2	182.0
65°	353.7	393.3	388.7	334.1	272.7	220.7	191.3	174.7	164.9	153.1	140.2
67.5°	291.1	315.4	300.7	259.8	208.1	171.5	152.3	139.8	127.6	116.4	113.4
70°	251.6	265.5	250.0	212.4	170.7	143.8	128.4	113.4	106.2	103.6	99.0
72.5°	213.6	218.4	201.8	169.5	138.9	119.1	104.0	95.6	91.8	89.6	86.6
75°	160.4	156.7	142.3	117.0	96.4	83.0	78.4	75.2	72.7	70.6	69.1
77.5°	112.6	107.3	94.4	78.0	67.2	60.7	58.0	56.2	55.0	54.0	52.5
80°	84.5	80.9	68.1	55.6	51.0	48.0	46.4	44.3	44.3	43.3	41.7
82.5°	61.9	57.9	46.6	40.8	38.3	36.4	35.2	34.0	33.6	33.8	32.7
85°	32.5	26.3	23.2	22.1	20.6	19.6	20.1	19.1	19.1	19.1	18.6
87.5°	10.4	8.8	8.6	8.4	9.2	9.7	10.1	10.8	11.3	10.8	11.1
90°	2.3	4.6	5.8	6.9	8.7	11.5	15.6	19.0	19.6	19.0	18.4
92.5°	10.1	14.2	16.9	20.7	26.2	39.2	57.5	73.8	74.8	63.2	50.2
95°	22.4	28.2	33.4	42.6	56.5	82.9	133.0	199.9	225.8	197.5	150.9
97.5°	36.0	42.0	49.9	60.5	76.1	109.5	179.3	290.2	385.4	404.2	352.1
100°	46.0	51.3	60.5	72.0	88.2	118.7	188.9	313.3	454.9	537.9	525.8
102.5°	56.2	61.4	70.6	82.6	98.7	126.9	189.3	304.6	457.3	587.6	639.6
105°	72.6	76.5	85.2	97.9	114.0	141.1	192.4	287.4	426.8	580.0	699.7
107.5°	88.7	92.6	100.6	113.1	129.4	155.6	200.3	278.8	394.0	529.4	656.4
110°	100.2	103.7	111.2	123.2	140.0	165.3	206.7	277.0	378.4	497.6	619.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	110.4	114.2	121.3	132.9	150.1	174.5	213.7	277.5	368.2	475.4	585.0
115°	126.7	130.2	137.0	148.6	164.1	188.9	224.0	279.9	357.1	448.1	543.1
117.5°	142.5	145.9	152.1	163.1	179.3	202.2	235.1	284.1	351.6	430.8	511.5
120°	152.6	156.0	161.3	172.8	188.9	211.4	242.5	286.8	348.4	421.6	495.8
122.5°	161.9	165.3	171.0	182.5	199.0	220.2	248.9	290.0	346.6	413.7	483.4
125°	174.5	177.9	184.9	196.4	212.5	233.3	259.1	294.9	343.3	402.5	465.3
127.5°	185.2	190.1	197.6	208.7	225.3	245.5	268.7	299.8	341.3	392.2	447.5
130°	191.2	196.9	205.0	216.5	232.7	252.9	274.7	303.5	340.3	385.3	436.0
132.5°	197.2	203.4	212.0	223.9	240.0	259.2	280.7	307.2	339.9	379.7	425.0
135°	205.0	212.0	220.6	233.8	249.9	268.4	288.5	311.5	339.2	372.0	409.5
137.5°	213.3	220.3	229.4	242.6	257.5	275.8	294.5	315.5	339.1	366.6	397.2
140°	218.8	225.8	235.0	247.6	262.7	279.9	297.7	317.3	338.6	363.5	389.3
142.5°	224.4	230.9	240.0	252.3	266.3	283.2	300.5	318.7	338.6	360.2	382.8
145°	233.8	239.5	248.2	259.7	272.4	287.9	304.1	320.2	337.5	355.9	373.8
147.5°	242.9	248.4	256.4	266.0	277.2	291.9	306.1	320.6	335.4	351.5	366.8
150°	249.3	254.0	261.5	270.1	280.4	293.7	307.0	320.2	334.1	347.9	361.6
152.5°	254.9	259.5	266.1	274.3	283.7	295.6	307.4	319.3	331.7	344.7	356.6
155°	263.8	267.2	273.6	279.9	288.5	298.3	308.1	317.9	327.7	338.6	349.6
157.5°	271.4	274.2	279.6	284.8	292.0	300.2	308.1	315.3	323.6	333.0	341.4
160°	276.4	278.7	283.4	287.9	294.3	301.2	308.1	313.9	320.8	328.8	336.3
162.5°	280.5	282.9	286.6	290.7	295.7	301.6	307.6	312.5	318.5	325.2	331.2
165°	286.2	287.4	290.8	293.7	297.2	302.4	306.4	309.8	313.9	319.0	323.7
167.5°	290.9	292.0	294.2	296.3	298.4	302.3	305.6	307.2	309.8	313.1	316.4
170°	293.7	294.3	296.0	297.2	298.9	301.7	304.7	305.8	307.5	309.8	312.8
172.5°	296.0	295.7	297.4	298.1	299.3	301.3	303.3	304.0	304.8	306.6	308.6
175°	298.3	297.7	298.9	298.9	299.4	300.6	301.7	301.2	301.7	302.4	304.1
177.5°	299.0	298.5	299.4	299.4	299.4	299.9	300.8	299.9	299.4	299.9	300.8
180°	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4	299.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1535.5	1540.9	1543.4	1543.4	1546.3	1545.0	1543.8
5°	1623.8	1633.6	1635.7	1645.0	1651.6	1649.5	1650.6
7.5°	1711.5	1727.3	1742.8	1750.0	1751.1	1755.2	1756.8
10°	1765.5	1778.5	1802.7	1799.1	1817.1	1827.5	1810.4
12.5°	1817.6	1834.9	1851.7	1856.3	1866.6	1869.9	1863.2
15°	1864.5	1873.8	1874.8	1872.3	1875.3	1872.8	1863.0
17.5°	1820.6	1805.5	1775.0	1760.6	1749.2	1732.2	1725.5
20°	1748.0	1703.6	1652.1	1631.5	1607.3	1559.8	1571.2
22.5°	1591.3	1540.8	1489.2	1429.1	1400.3	1355.3	1352.6
25°	1347.5	1260.4	1164.5	1097.5	1058.3	1013.5	993.9
27.5°	1047.6	938.0	859.4	819.6	783.5	747.9	746.4
30°	850.5	768.1	707.2	673.3	651.1	636.1	639.2
32.5°	716.9	660.5	619.5	591.2	574.8	563.5	563.3
35°	586.1	547.4	521.2	509.3	497.5	489.2	489.7
37.5°	501.6	478.4	463.7	450.6	443.2	439.2	437.0
40°	458.3	439.2	427.9	420.1	413.9	408.3	407.3
42.5°	424.0	408.3	396.9	390.8	385.1	381.0	380.0
45°	376.3	363.5	353.1	346.4	343.9	340.2	340.2
47.5°	334.8	322.0	314.1	309.8	305.4	303.0	302.9
50°	306.7	296.9	289.7	287.1	283.5	282.0	281.4
52.5°	281.6	274.3	269.1	267.3	265.8	263.8	264.2
55°	247.4	243.3	241.3	239.7	237.1	234.0	236.1
57.5°	218.6	215.2	209.6	204.8	202.4	200.3	201.1
60°	198.4	191.3	184.0	178.3	176.8	172.2	172.2
62.5°	172.9	162.8	153.9	150.8	149.2	147.0	146.6
65°	133.0	128.9	126.8	124.7	123.7	123.7	122.7
67.5°	110.2	108.6	106.3	105.7	104.7	104.4	104.1
70°	97.5	95.3	94.3	93.8	92.8	93.3	91.8
72.5°	85.0	83.4	83.2	81.9	81.2	81.3	80.2
75°	67.1	67.1	66.4	65.9	64.9	64.4	64.9
77.5°	51.5	51.6	50.7	50.6	50.5	50.6	50.1
80°	41.2	41.7	41.2	40.7	40.2	40.7	40.2
82.5°	32.6	31.8	31.7	31.6	31.5	31.2	31.1
85°	18.6	19.1	18.6	18.1	18.1	18.1	18.6
87.5°	10.5	10.7	10.8	10.8	10.8	10.8	10.4
90°	17.3	18.4	19.0	19.0	19.0	19.0	19.0
92.5°	43.1	38.3	34.6	34.2	32.4	32.8	31.9
95°	115.7	91.6	78.9	71.4	66.9	65.0	65.6
97.5°	288.1	225.8	184.2	156.6	142.5	134.1	129.3
100°	454.4	375.5	305.8	258.0	233.3	216.5	206.2
102.5°	623.5	565.8	491.9	440.0	397.7	376.9	362.8
105°	764.8	772.3	753.3	717.6	681.9	657.1	649.0
107.5°	754.5	814.4	842.2	846.7	844.8	839.8	829.1
110°	722.2	795.9	843.1	867.9	878.9	884.0	883.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	684.0	762.8	816.9	851.3	869.6	879.4	882.5
115°	631.8	707.2	766.6	807.4	833.9	848.9	854.0
117.5°	589.4	657.8	713.5	755.2	783.2	798.9	803.2
120°	567.2	628.3	680.8	721.0	748.1	764.8	770.5
122.5°	548.9	606.6	654.0	690.1	716.8	731.6	736.5
125°	524.6	575.3	618.5	652.0	673.8	688.2	692.9
127.5°	501.2	549.0	588.9	617.9	638.4	650.9	654.6
130°	485.5	531.0	569.0	597.2	616.8	628.3	632.9
132.5°	470.8	512.6	548.3	576.0	595.6	606.2	610.4
135°	447.5	485.5	517.8	542.5	561.5	571.9	574.2
137.5°	429.0	459.1	487.3	509.8	526.1	535.2	538.7
140°	417.0	443.4	468.8	487.3	502.2	510.8	514.3
142.5°	406.4	429.2	450.4	467.9	481.5	489.2	489.9
145°	392.7	410.6	427.4	441.1	450.9	456.7	458.4
147.5°	381.7	395.7	407.9	419.3	427.1	431.0	432.0
150°	374.4	386.5	396.8	405.5	412.3	415.8	416.4
152.5°	368.4	378.6	387.6	394.4	400.4	402.9	403.0
155°	358.8	367.4	373.8	380.1	384.2	386.5	385.3
157.5°	349.1	356.4	361.3	365.8	369.2	370.2	370.2
160°	342.6	349.0	353.0	357.1	359.9	360.5	360.5
162.5°	336.7	342.1	345.2	349.2	351.2	351.7	351.3
165°	327.7	331.7	334.1	336.3	338.6	338.6	338.1
167.5°	319.5	322.2	324.4	325.4	326.7	326.6	325.9
170°	314.5	316.8	317.9	318.5	320.2	319.6	318.5
172.5°	309.8	311.6	312.4	313.0	313.8	313.2	312.5
175°	304.7	305.3	305.8	305.8	306.4	305.8	304.7
177.5°	300.8	301.3	301.3	301.3	301.3	300.8	299.9
180°	299.4	299.4	299.4	299.4	299.4	299.4	299.4

(END OF REPORT)