

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: P331394-930

Luminaire Tested: **SA2XXDIP-C865D725U930-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331394-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-C865D725U930-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5220.2 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

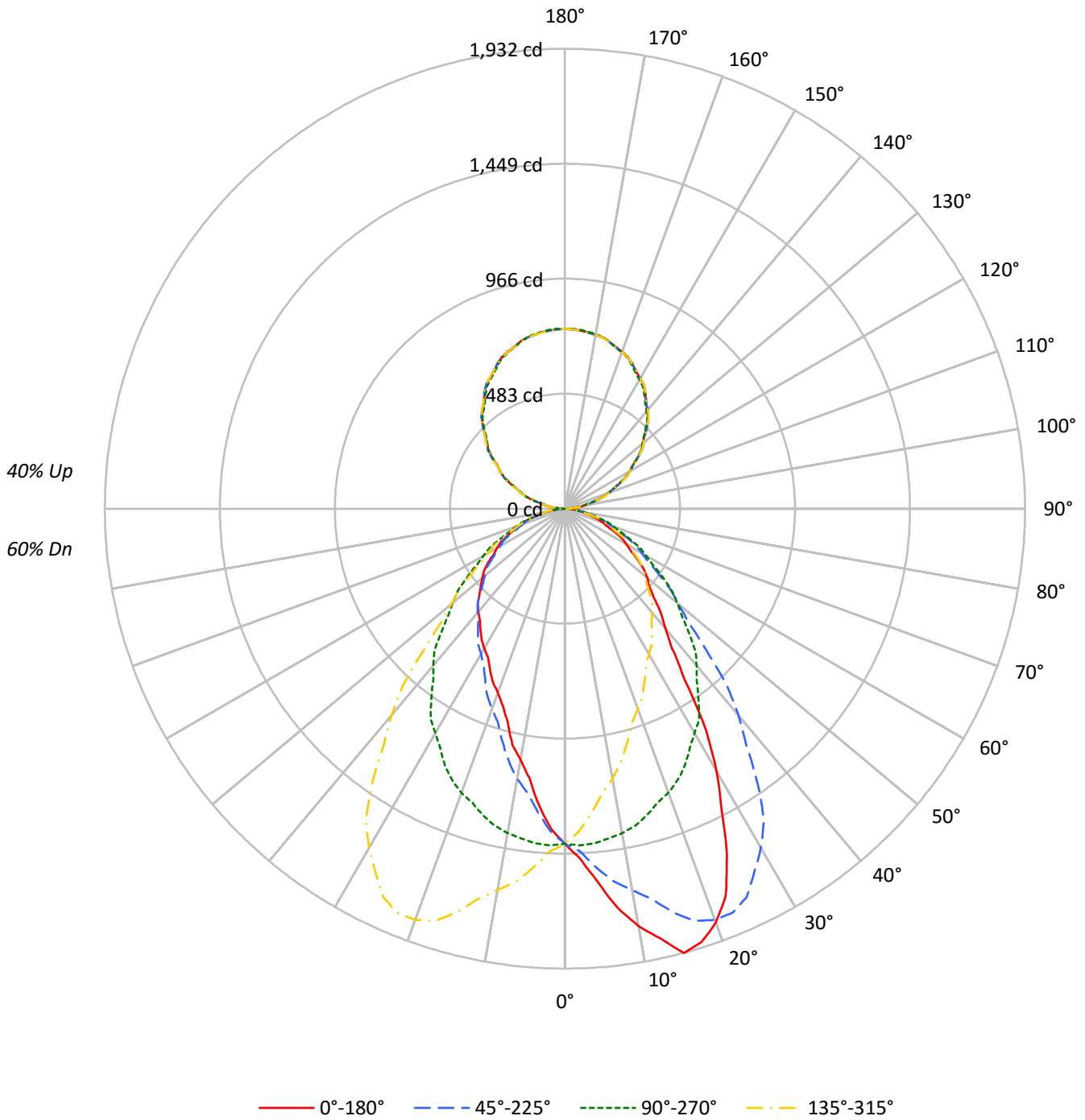
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60				
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51				
2	92	85	79	74	86	79	74	70	70	66	62	60	57	55	52	50	48	44				
3	84	75	68	62	79	70	64	59	62	57	53	54	50	47	47	44	41	38				
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	42	39	36	33				
5	71	60	52	46	67	56	49	44	50	44	40	44	39	36	38	35	32	29				
6	66	54	46	40	62	51	44	39	45	39	35	40	35	32	35	31	28	26				
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	32	28	26	23				
8	57	45	37	32	53	42	35	31	38	32	28	34	29	26	30	26	23	21				
9	53	41	34	29	50	39	32	27	35	29	25	31	26	23	27	24	21	19				
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22727	22727	22727	22727
5°	25480	22875	20272	22875
10°	29198	22689	17544	22689
15°	32301	22272	15499	22272
20°	31809	21825	14129	21825
25°	28682	21232	13261	21232
30°	23702	20282	12629	20282
35°	17274	19291	12177	19291
40°	13797	18120	11927	18120
45°	12056	16762	11586	16762
50°	11333	15450	11359	15450
55°	10446	14117	11054	14117
60°	9571	12700	10585	12700
65°	8722	11427	10128	11427
70°	7917	10192	9451	10192
75°	7018	8808	8372	8808
80°	6034	7290	6741	7290
85°	5409	5409	4001	5409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	2.6
10°-20°	389.7	7.5
20°-30°	565.6	10.8
30°-40°	596.9	11.4
40°-50°	528.5	10.1
50°-60°	421.7	8.1
60°-70°	286.7	5.5
70°-80°	147.0	2.8
80°-90°	38.4	0.7
90°-100°	47.9	0.9
100°-110°	148.6	2.8
110°-120°	254.0	4.9
120°-130°	334.1	6.4
130°-140°	375.0	7.2
140°-150°	367.7	7.0
150°-160°	308.4	5.9
160°-170°	204.5	3.9
170°-180°	71.5	1.4
0°-30°	1089.4	20.9
0°-40°	1686.3	32.3
0°-60°	2636.5	50.5
0°-90°	3108.6	59.5
90°-120°	450.5	8.6
90°-150°	1527.2	29.3
90°-180°	2112.0	40.5
0°-180°	5220.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1408	1408	1408	1408	1408	
5°	1572	1411	1251	1411	1572	157
15°	1932	1332	927	1332	1932	533
25°	1610	1192	744	1192	1610	728
35°	876	979	618	979	876	570
45°	528	734	507	734	528	415
55°	371	502	393	502	371	333
65°	228	299	265	299	228	227
75°	112	141	134	141	112	120
85°	29	29	22	29	29	33
90°	22	1	22	1	22	11
95°	40	33	40	33	40	44
105°	142	137	142	137	142	149
115°	255	255	255	255	255	252
125°	372	371	372	371	372	332
135°	486	480	486	480	486	374
145°	589	582	589	582	589	368
155°	671	666	671	666	671	309
165°	725	725	725	725	725	205
175°	751	754	751	754	751	71
180°	755	755	755	755	755	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1472.6	1473.0	1473.9	1467.0	1466.1	1466.1	1460.0	1454.8	1448.8	1440.6	1441.4
5°	1572.1	1578.1	1580.2	1573.8	1564.0	1562.9	1553.7	1538.6	1524.5	1513.1	1505.0
7.5°	1690.9	1693.3	1688.0	1679.4	1672.2	1659.2	1642.1	1625.4	1601.9	1580.4	1564.3
10°	1780.9	1784.2	1775.0	1762.5	1752.2	1737.1	1712.2	1686.8	1656.0	1626.2	1602.4
12.5°	1849.3	1857.3	1845.5	1843.9	1826.3	1805.5	1775.9	1763.0	1719.6	1678.1	1652.6
15°	1932.4	1931.9	1933.0	1922.6	1909.7	1906.4	1875.1	1841.0	1779.9	1755.5	1713.4
17.5°	1908.4	1916.6	1920.4	1920.3	1919.9	1917.9	1907.9	1886.4	1855.7	1816.2	1767.5
20°	1851.3	1862.1	1863.7	1876.2	1883.2	1892.4	1896.1	1890.2	1871.3	1838.3	1796.1
22.5°	1763.0	1766.0	1771.1	1790.5	1805.7	1828.8	1840.8	1860.8	1853.5	1837.4	1802.1
25°	1610.0	1604.6	1623.5	1633.2	1668.4	1705.2	1731.7	1760.9	1786.9	1802.5	1792.3
27.5°	1426.3	1418.1	1446.5	1472.3	1500.9	1540.8	1582.1	1630.8	1671.4	1722.2	1739.6
30°	1271.3	1276.2	1303.3	1330.8	1374.1	1430.4	1476.9	1530.5	1588.4	1645.1	1684.7
32.5°	1104.2	1123.0	1140.1	1182.3	1220.5	1283.2	1351.4	1418.4	1490.5	1555.1	1616.2
35°	876.4	898.1	921.9	952.7	1006.2	1068.4	1135.0	1225.3	1323.8	1412.0	1484.5
37.5°	737.7	734.3	747.9	770.1	813.5	863.7	940.4	1029.6	1145.5	1249.1	1351.4
40°	654.6	652.4	662.2	682.7	715.8	752.5	819.6	898.1	1005.7	1132.3	1254.0
42.5°	597.5	598.8	604.1	618.6	641.3	671.6	721.8	788.6	887.1	1006.3	1137.2
45°	528.0	531.8	537.8	544.8	557.7	582.6	610.7	658.4	736.3	835.8	964.6
47.5°	478.0	478.1	484.2	490.3	498.1	512.1	535.0	564.9	619.9	700.9	811.6
50°	451.2	447.4	451.8	456.6	464.7	474.4	489.6	517.7	554.5	620.0	712.5
52.5°	418.3	418.4	422.3	424.1	431.4	441.2	454.9	474.4	507.8	559.0	635.0
55°	371.1	373.8	376.0	379.2	385.7	392.7	403.6	416.5	442.5	480.9	537.2
57.5°	326.8	327.6	329.8	336.0	340.1	346.6	356.9	368.6	385.5	413.9	456.2
60°	296.4	296.4	300.8	303.5	308.9	315.4	323.5	334.8	350.0	373.2	407.4
62.5°	268.8	268.3	270.0	274.5	278.6	284.7	292.8	302.4	316.7	337.4	365.4
65°	228.3	227.2	230.5	231.5	235.9	241.8	248.3	258.6	269.9	285.1	310.0
67.5°	189.3	190.6	192.4	194.4	196.8	203.1	207.4	214.7	224.3	236.8	253.7
70°	167.7	167.7	167.7	169.3	172.6	175.9	180.2	186.1	195.3	206.1	221.3
72.5°	143.5	145.2	146.9	145.9	150.1	152.1	157.2	160.5	169.3	176.3	189.6
75°	112.5	112.5	112.5	115.2	116.8	118.5	121.7	125.0	129.3	137.9	145.0
77.5°	84.0	83.7	84.3	85.0	86.7	88.6	89.6	92.5	96.5	100.5	106.5
80°	64.9	66.0	66.5	67.6	67.6	68.7	69.2	73.1	75.7	78.4	82.3
82.5°	50.2	50.4	50.5	50.7	51.2	51.9	53.2	54.5	55.4	57.6	60.6
85°	29.2	28.7	28.7	29.8	29.2	29.2	30.3	31.4	31.4	31.9	33.5
87.5°	15.6	15.6	16.0	15.5	15.5	15.9	16.0	15.6	16.1	16.6	16.4
90°	21.7	21.5	21.4	21.3	21.1	21.2	21.4	21.8	22.0	22.3	19.2
92.5°	20.6	20.6	20.6	20.5	20.5	20.5	20.5	20.4	20.3	20.3	19.6
95°	39.5	39.8	40.1	40.4	40.7	40.8	40.8	40.8	40.8	40.8	40.5
97.5°	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.0
100°	87.3	87.5	87.6	87.7	87.9	88.0	88.0	88.0	88.0	88.0	87.5
102.5°	108.7	108.8	109.0	109.2	109.3	109.3	109.2	109.1	108.9	108.8	108.3
105°	141.5	141.5	141.5	141.5	141.5	141.4	141.0	140.8	140.5	140.2	139.9
107.5°	172.4	173.0	173.7	174.3	175.0	175.2	175.0	175.0	174.9	174.7	174.7
110°	196.2	196.7	197.1	197.5	198.0	198.2	198.2	198.2	198.2	198.2	198.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	219.2	219.6	219.8	220.1	220.5	220.8	221.1	221.4	221.8	222.2	222.3
115°	254.9	255.4	255.8	256.2	256.6	256.9	257.1	257.1	257.3	257.5	257.7
117.5°	288.9	289.3	289.8	290.2	290.7	291.0	291.4	291.7	292.0	292.4	293.2
120°	312.9	313.3	313.7	314.1	314.6	314.8	314.8	314.8	314.8	314.8	315.9
122.5°	336.4	336.6	337.0	337.3	337.6	337.9	338.3	338.6	338.9	339.2	340.1
125°	372.2	372.3	372.4	372.6	372.8	373.0	373.4	373.9	374.3	374.7	375.1
127.5°	404.8	405.3	405.7	406.2	406.6	407.1	407.6	408.1	408.6	409.1	409.6
130°	428.3	428.8	429.4	429.9	430.5	431.0	431.2	431.5	431.8	432.1	432.4
132.5°	450.7	451.1	451.6	452.0	452.5	453.1	453.6	454.3	454.9	455.5	455.4
135°	485.6	486.0	486.5	486.9	487.3	487.5	487.7	487.9	488.0	488.1	487.9
137.5°	517.2	517.8	518.4	518.9	519.5	519.8	519.9	520.1	520.2	520.2	519.9
140°	539.2	539.7	540.3	540.9	541.4	541.7	541.7	541.7	541.7	541.7	541.0
142.5°	559.1	559.6	560.1	560.7	561.3	561.5	561.4	561.3	561.2	561.1	560.6
145°	588.8	589.4	590.0	590.5	591.1	591.3	591.2	591.0	590.9	590.8	589.9
147.5°	615.5	616.0	616.5	617.1	617.7	617.8	617.4	617.1	616.8	616.5	616.0
150°	632.8	633.2	633.7	634.1	634.5	634.5	634.1	633.7	633.2	632.8	632.3
152.5°	649.1	649.6	650.2	650.8	651.3	651.3	650.8	650.2	649.6	649.1	648.4
155°	671.1	671.5	671.9	672.3	672.8	672.6	671.9	671.2	670.5	669.8	669.4
157.5°	689.9	690.6	691.3	691.9	692.6	692.5	691.5	690.6	689.6	688.6	688.4
160°	701.6	702.2	702.8	703.4	703.9	703.8	703.0	702.1	701.2	700.3	700.3
162.5°	711.8	712.5	713.2	713.9	714.5	714.4	713.5	712.5	711.5	710.5	710.5
165°	725.2	725.9	726.6	727.3	728.1	727.9	726.9	725.9	725.0	723.9	723.9
167.5°	736.2	736.9	737.7	738.4	739.2	739.0	738.0	737.0	736.1	735.0	735.1
170°	741.8	742.7	743.5	744.4	745.2	745.1	744.1	743.1	742.2	741.1	741.3
172.5°	746.4	747.2	748.0	748.9	749.7	749.7	748.7	747.7	746.7	745.8	745.9
175°	751.4	752.2	753.0	753.9	754.7	754.6	753.7	752.7	751.7	750.7	751.0
177.5°	753.7	754.3	755.0	755.7	756.4	756.4	755.7	755.0	754.3	753.7	753.8
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1444.5	1441.0	1438.8	1431.0	1424.1	1417.2	1415.0	1415.8	1406.4	1397.3	1393.3
5°	1500.7	1489.9	1479.6	1465.0	1447.7	1428.7	1419.0	1411.4	1392.5	1372.0	1360.1
7.5°	1551.1	1535.6	1515.9	1488.4	1463.1	1433.4	1414.5	1397.7	1370.0	1341.0	1323.2
10°	1581.8	1560.7	1535.3	1501.8	1471.0	1434.7	1409.2	1383.9	1351.4	1316.8	1295.1
12.5°	1608.3	1579.8	1554.8	1511.7	1475.3	1430.0	1399.8	1363.9	1329.8	1288.7	1267.5
15°	1671.1	1618.6	1571.0	1522.3	1477.4	1414.1	1380.6	1332.4	1287.5	1236.7	1212.4
17.5°	1719.7	1660.8	1585.8	1523.9	1471.5	1401.4	1352.2	1294.5	1241.4	1183.2	1150.1
20°	1747.4	1679.8	1599.1	1525.6	1462.8	1382.7	1329.2	1270.2	1208.0	1142.6	1106.9
22.5°	1763.8	1692.7	1613.0	1519.1	1445.5	1367.6	1300.2	1235.6	1172.6	1101.9	1064.5
25°	1769.0	1704.1	1619.8	1513.7	1423.9	1335.7	1254.6	1191.8	1115.5	1049.5	994.9
27.5°	1743.3	1696.7	1615.6	1503.5	1398.9	1295.8	1205.3	1134.2	1053.8	982.1	927.2
30°	1711.7	1684.7	1605.7	1493.1	1379.0	1268.1	1168.6	1087.9	1007.9	935.4	879.1
32.5°	1662.8	1656.9	1587.5	1478.4	1357.8	1233.1	1130.0	1048.6	959.9	888.6	834.9
35°	1566.7	1592.7	1548.8	1445.5	1317.8	1183.2	1071.7	978.7	886.7	818.5	768.2
37.5°	1437.9	1502.4	1490.9	1397.3	1264.0	1128.9	1005.8	908.6	820.9	752.1	702.7
40°	1349.2	1431.4	1443.3	1360.6	1225.9	1086.9	956.5	859.7	774.1	711.4	661.6
42.5°	1254.0	1350.1	1382.7	1316.5	1184.3	1042.7	912.3	812.0	727.4	666.4	622.2
45°	1094.5	1221.6	1280.5	1242.7	1115.0	970.0	835.8	734.1	657.3	600.0	565.9
47.5°	945.2	1084.1	1163.4	1150.1	1037.8	894.2	761.6	664.0	589.2	543.5	513.0
50°	839.6	982.4	1078.2	1082.6	982.4	840.2	707.1	615.1	546.4	503.7	478.7
52.5°	747.9	884.2	988.6	1011.5	920.6	783.9	658.2	566.6	506.1	466.8	444.6
55°	628.1	743.3	859.1	901.3	828.3	698.4	582.1	501.5	444.7	417.7	398.2
57.5°	522.2	618.2	725.1	771.8	726.8	615.6	506.5	436.6	390.4	366.8	351.9
60°	466.4	542.1	637.3	693.0	654.0	555.1	459.8	393.3	355.5	334.4	320.2
62.5°	414.4	481.5	562.0	612.9	591.7	498.4	413.1	354.3	321.6	301.9	291.7
65°	341.9	394.9	457.1	504.2	490.2	419.2	349.5	299.1	273.2	257.5	249.4
67.5°	281.5	319.8	363.0	404.2	392.9	342.7	286.6	247.4	228.1	214.6	209.7
70°	243.4	272.6	311.0	344.1	334.8	293.8	249.4	215.9	199.1	187.8	182.9
72.5°	207.1	231.1	260.4	287.4	281.2	247.0	210.0	184.7	171.8	161.3	157.4
75°	156.4	174.7	192.6	210.4	208.8	182.3	160.7	141.2	130.9	122.8	121.2
77.5°	115.4	125.7	137.9	148.5	145.5	130.4	113.4	102.2	94.7	89.3	88.4
80°	88.2	94.2	102.8	110.4	106.6	100.1	86.6	78.4	73.1	67.6	65.5
82.5°	63.9	69.9	75.1	79.2	76.3	70.2	61.9	56.3	53.2	49.4	48.6
85°	33.5	36.8	39.0	40.0	39.0	35.1	31.4	29.2	26.5	24.9	24.4
87.5°	16.2	15.6	14.9	15.3	13.7	13.4	11.3	9.6	9.5	9.5	9.0
90°	16.1	13.0	9.9	7.4	5.7	4.1	2.4	0.7	2.4	4.1	5.7
92.5°	18.8	18.0	17.3	16.3	15.1	13.9	12.6	11.3	12.6	13.9	15.1
95°	40.2	39.9	39.6	38.8	37.4	36.0	34.6	33.1	34.6	36.0	37.4
97.5°	67.5	66.9	66.4	65.6	64.2	63.0	61.8	60.6	61.8	63.0	64.2
100°	87.1	86.7	86.3	85.4	84.3	83.2	82.1	81.0	82.1	83.2	84.3
102.5°	107.8	107.2	106.7	106.0	105.1	104.2	103.2	102.3	103.2	104.2	105.1
105°	139.7	139.3	139.1	138.7	138.3	137.9	137.5	137.1	137.5	137.9	138.3
107.5°	174.7	174.7	174.7	174.4	173.8	173.2	172.6	171.9	172.6	173.2	173.8
110°	198.2	198.2	198.2	197.8	196.9	196.1	195.2	194.4	195.2	196.1	196.9



TEST NUMBER: P331394-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	222.4	222.5	222.6	222.3	221.4	220.5	219.7	218.8	219.7	220.5	221.4
115°	258.0	258.3	258.6	258.3	257.5	256.6	255.8	254.9	255.8	256.6	257.5
117.5°	294.0	294.7	295.5	295.4	294.2	293.1	292.0	290.8	292.0	293.1	294.2
120°	317.1	318.2	319.4	319.4	318.2	317.1	315.9	314.8	315.9	317.1	318.2
122.5°	340.9	341.7	342.4	342.2	340.8	339.5	338.1	336.7	338.1	339.5	340.8
125°	375.5	376.0	376.4	376.0	374.7	373.4	372.2	370.9	372.2	373.4	374.7
127.5°	410.2	410.7	411.2	410.6	409.0	407.4	405.8	404.1	405.8	407.4	409.0
130°	432.6	432.9	433.2	432.4	430.6	428.8	426.9	425.1	426.9	428.8	430.6
132.5°	455.4	455.3	455.3	454.5	453.0	451.5	450.0	448.5	450.0	451.5	453.0
135°	487.5	487.3	487.0	486.1	484.5	483.0	481.4	479.9	481.4	483.0	484.5
137.5°	519.5	519.2	518.8	518.0	516.7	515.4	514.1	512.9	514.1	515.4	516.7
140°	540.3	539.6	538.8	537.9	536.5	535.3	534.0	532.8	534.0	535.3	536.5
142.5°	560.1	559.6	559.1	558.2	557.0	555.7	554.4	553.2	554.4	555.7	557.0
145°	589.1	588.2	587.3	586.4	585.5	584.5	583.4	582.4	583.4	584.5	585.5
147.5°	615.4	614.8	614.2	613.3	612.1	611.0	609.8	608.6	609.8	611.0	612.1
150°	631.7	631.1	630.6	629.8	629.0	628.1	627.3	626.5	627.3	628.1	629.0
152.5°	647.8	647.1	646.4	645.6	644.8	643.9	643.1	642.2	643.1	643.9	644.8
155°	669.0	668.5	668.1	667.6	667.2	666.8	666.3	665.9	666.3	666.8	667.2
157.5°	688.1	687.9	687.6	687.4	687.1	686.8	686.5	686.2	686.5	686.8	687.1
160°	700.1	699.9	699.8	699.6	699.3	699.0	698.7	698.5	698.7	699.0	699.3
162.5°	710.3	710.1	710.0	709.9	709.8	709.8	709.7	709.6	709.7	709.8	709.8
165°	723.9	723.9	723.9	724.0	724.1	724.3	724.5	724.6	724.5	724.3	724.1
167.5°	735.1	735.2	735.2	735.4	735.8	736.2	736.6	737.0	736.6	736.2	735.8
170°	741.4	741.6	741.7	742.0	742.4	742.8	743.3	743.7	743.3	742.8	742.4
172.5°	746.0	746.2	746.3	746.6	747.0	747.5	747.9	748.3	747.9	747.5	747.0
175°	751.3	751.5	751.9	752.2	752.6	753.0	753.5	753.9	753.5	753.0	752.6
177.5°	754.1	754.3	754.6	754.8	755.1	755.5	755.9	756.2	755.9	755.5	755.1
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



TEST NUMBER: P331394-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1389.0	1386.4	1377.4	1372.6	1364.8	1357.5	1352.7	1354.9	1356.6	1355.7	1354.5
5°	1349.2	1339.0	1323.2	1309.7	1300.0	1282.1	1274.6	1270.8	1267.5	1263.7	1260.0
7.5°	1301.9	1285.6	1263.1	1243.8	1225.6	1203.5	1190.8	1183.2	1175.5	1166.9	1159.4
10°	1268.1	1245.4	1221.6	1194.5	1172.9	1152.8	1135.0	1123.1	1112.3	1102.0	1094.5
12.5°	1232.6	1206.4	1177.0	1140.0	1116.1	1087.5	1084.8	1063.8	1046.9	1040.6	1031.7
15°	1176.2	1139.3	1102.0	1058.2	1039.3	1013.3	997.0	980.8	966.2	955.9	953.2
17.5°	1112.0	1064.4	1027.2	995.7	964.7	938.1	923.2	910.2	898.1	884.4	882.6
20°	1063.1	1021.9	981.4	953.7	921.9	894.8	876.4	863.4	853.1	845.1	838.0
22.5°	1016.8	971.8	934.6	904.4	872.9	851.1	836.6	824.0	815.5	806.5	799.9
25°	942.4	907.3	866.7	832.6	806.6	792.6	780.6	769.8	764.4	758.5	750.9
27.5°	877.3	838.3	800.4	774.0	751.1	738.7	730.3	722.8	717.8	714.3	710.0
30°	831.5	792.0	762.2	736.3	717.4	704.9	699.5	695.2	689.3	687.1	684.9
32.5°	787.3	751.8	726.4	703.8	685.7	677.7	672.7	668.8	664.1	661.9	657.6
35°	725.0	695.2	670.3	657.9	643.3	636.2	632.4	627.0	622.6	620.5	620.0
37.5°	666.2	640.3	623.9	608.0	601.8	597.5	592.3	588.6	587.3	586.9	586.4
40°	628.1	607.0	592.4	579.4	576.7	570.2	565.9	562.6	562.6	563.2	562.6
42.5°	593.5	574.5	561.7	550.4	547.2	543.4	539.1	538.8	539.7	541.5	539.7
45°	541.0	527.5	518.3	512.8	506.9	503.1	502.6	504.2	504.8	505.3	506.9
47.5°	492.8	483.7	475.4	469.4	466.8	466.2	465.5	468.4	471.0	472.0	474.4
50°	464.1	453.9	446.9	443.0	440.9	439.9	440.9	444.2	446.3	449.0	450.6
52.5°	432.1	424.9	420.0	417.1	416.2	416.9	417.1	420.8	424.3	425.2	426.0
55°	387.9	382.5	381.4	376.5	378.7	378.1	380.8	383.0	386.3	389.6	390.0
57.5°	343.7	339.4	336.5	337.0	337.6	340.0	342.3	346.0	349.5	352.9	353.3
60°	314.3	312.2	310.5	310.5	311.6	314.9	317.6	321.3	323.5	325.7	327.3
62.5°	287.5	285.4	283.7	284.5	287.4	289.3	292.4	294.5	296.7	298.8	299.6
65°	245.1	244.0	245.6	246.7	247.2	250.0	253.7	255.4	257.5	258.6	262.4
67.5°	206.0	206.2	206.0	207.5	210.7	211.3	214.9	218.7	219.1	221.2	223.6
70°	179.6	180.7	181.8	182.9	185.6	186.6	189.3	190.9	193.1	194.8	196.4
72.5°	155.4	155.6	156.7	156.5	158.7	161.1	163.4	165.0	167.1	169.3	170.8
75°	119.5	119.5	120.7	121.2	123.9	126.6	126.0	127.1	129.3	131.4	132.6
77.5°	87.3	86.1	87.3	87.9	88.7	91.0	91.4	92.9	95.4	94.7	95.9
80°	66.5	64.9	66.5	67.1	67.1	69.8	69.8	70.8	72.5	70.8	72.5
82.5°	47.5	46.7	47.9	48.0	48.9	49.0	49.9	50.1	51.7	51.0	51.7
85°	23.8	23.2	23.8	23.2	23.8	24.4	24.4	23.8	23.8	24.9	23.2
87.5°	8.8	8.9	9.0	9.7	9.9	10.1	9.6	9.5	9.5	8.6	8.6
90°	7.4	9.9	13.0	16.1	19.2	22.3	22.0	21.8	21.4	21.2	21.1
92.5°	16.3	17.3	18.0	18.8	19.6	20.3	20.3	20.4	20.5	20.5	20.5
95°	38.8	39.6	39.9	40.2	40.5	40.8	40.8	40.8	40.8	40.8	40.7
97.5°	65.6	66.4	66.9	67.5	68.0	68.6	68.6	68.6	68.6	68.6	68.6
100°	85.4	86.3	86.7	87.1	87.5	88.0	88.0	88.0	88.0	88.0	87.9
102.5°	106.0	106.7	107.2	107.8	108.3	108.8	108.9	109.1	109.2	109.3	109.3
105°	138.7	139.1	139.3	139.7	139.9	140.2	140.5	140.8	141.0	141.4	141.5
107.5°	174.4	174.7	174.7	174.7	174.7	174.7	174.9	175.0	175.0	175.2	175.0
110°	197.8	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.2	198.0



TEST NUMBER: P331394-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	222.3	222.6	222.5	222.4	222.3	222.2	221.8	221.4	221.1	220.8	220.5
115°	258.3	258.6	258.3	258.0	257.7	257.5	257.3	257.1	257.1	256.9	256.6
117.5°	295.4	295.5	294.7	294.0	293.2	292.4	292.0	291.7	291.4	291.0	290.7
120°	319.4	319.4	318.2	317.1	315.9	314.8	314.8	314.8	314.8	314.8	314.6
122.5°	342.2	342.4	341.7	340.9	340.1	339.2	338.9	338.6	338.3	337.9	337.6
125°	376.0	376.4	376.0	375.5	375.1	374.7	374.3	373.9	373.4	373.0	372.8
127.5°	410.6	411.2	410.7	410.2	409.6	409.1	408.6	408.1	407.6	407.1	406.6
130°	432.4	433.2	432.9	432.6	432.4	432.1	431.8	431.5	431.2	431.0	430.5
132.5°	454.5	455.3	455.3	455.4	455.4	455.5	454.9	454.3	453.6	453.1	452.5
135°	486.1	487.0	487.3	487.5	487.9	488.1	488.0	487.9	487.7	487.5	487.3
137.5°	518.0	518.8	519.2	519.5	519.9	520.2	520.2	520.1	519.9	519.8	519.5
140°	537.9	538.8	539.6	540.3	541.0	541.7	541.7	541.7	541.7	541.7	541.4
142.5°	558.2	559.1	559.6	560.1	560.6	561.1	561.2	561.3	561.4	561.5	561.3
145°	586.4	587.3	588.2	589.1	589.9	590.8	590.9	591.0	591.2	591.3	591.1
147.5°	613.3	614.2	614.8	615.4	616.0	616.5	616.8	617.1	617.4	617.8	617.7
150°	629.8	630.6	631.1	631.7	632.3	632.8	633.2	633.7	634.1	634.5	634.5
152.5°	645.6	646.4	647.1	647.8	648.4	649.1	649.6	650.2	650.8	651.3	651.3
155°	667.6	668.1	668.5	669.0	669.4	669.8	670.5	671.2	671.9	672.6	672.8
157.5°	687.4	687.6	687.9	688.1	688.4	688.6	689.6	690.6	691.5	692.5	692.6
160°	699.6	699.8	699.9	700.1	700.3	700.3	701.2	702.1	703.0	703.8	703.9
162.5°	709.9	710.0	710.1	710.3	710.5	710.5	711.5	712.5	713.5	714.4	714.5
165°	724.0	723.9	723.9	723.9	723.9	723.9	725.0	725.9	726.9	727.9	728.1
167.5°	735.4	735.2	735.2	735.1	735.1	735.0	736.1	737.0	738.0	739.0	739.2
170°	742.0	741.7	741.6	741.4	741.3	741.1	742.2	743.1	744.1	745.1	745.2
172.5°	746.6	746.3	746.2	746.0	745.9	745.8	746.7	747.7	748.7	749.7	749.7
175°	752.2	751.9	751.5	751.3	751.0	750.7	751.7	752.7	753.7	754.6	754.7
177.5°	754.8	754.6	754.3	754.1	753.8	753.7	754.3	755.0	755.7	756.4	756.4
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



TEST NUMBER: P331394-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1350.1	1349.2	1349.2	1345.3	1349.2	1349.2	1350.1	1354.5	1355.7	1356.6	1354.9
5°	1252.4	1250.8	1248.1	1250.8	1248.1	1250.8	1252.4	1260.0	1263.7	1267.5	1270.8
7.5°	1155.8	1149.2	1148.3	1141.9	1148.3	1149.2	1155.8	1159.4	1166.9	1175.5	1183.2
10°	1085.2	1080.9	1080.4	1070.1	1080.4	1080.9	1085.2	1094.5	1102.0	1112.3	1123.1
12.5°	1031.6	1021.2	1023.2	1017.2	1023.2	1021.2	1031.6	1031.7	1040.6	1046.9	1063.8
15°	938.7	938.7	936.5	927.2	936.5	938.7	938.7	953.2	955.9	966.2	980.8
17.5°	871.9	870.7	865.6	868.2	865.6	870.7	871.9	882.6	884.4	898.1	910.2
20°	832.0	828.8	822.3	822.3	822.3	828.8	832.0	838.0	845.1	853.1	863.4
22.5°	794.4	794.2	787.3	789.4	787.3	794.2	794.4	799.9	806.5	815.5	824.0
25°	750.3	746.0	742.8	744.4	742.8	746.0	750.3	750.9	758.5	764.4	769.8
27.5°	708.6	706.2	706.0	701.6	706.0	706.2	708.6	710.0	714.3	717.8	722.8
30°	684.4	679.0	680.0	677.4	680.0	679.0	684.4	684.9	687.1	689.3	695.2
32.5°	656.6	654.7	653.6	651.3	653.6	654.7	656.6	657.6	661.9	664.1	668.8
35°	618.9	619.5	616.7	617.8	616.7	619.5	618.9	620.0	620.5	622.6	627.0
37.5°	585.9	587.6	586.4	586.7	586.4	587.6	585.9	586.4	586.9	587.3	588.6
40°	564.3	564.3	564.3	565.9	564.3	564.3	564.3	562.6	563.2	562.6	562.6
42.5°	543.5	542.6	541.8	541.6	541.8	542.6	543.5	539.7	541.5	539.7	538.8
45°	508.0	509.6	510.1	507.4	510.1	509.6	508.0	506.9	505.3	504.8	504.2
47.5°	475.9	476.1	475.9	478.3	475.9	476.1	475.9	474.4	472.0	471.0	468.4
50°	453.4	452.2	453.4	452.2	453.4	452.2	453.4	450.6	449.0	446.3	444.2
52.5°	429.6	429.7	429.1	428.9	429.1	429.7	429.6	426.0	425.2	424.3	420.8
55°	392.2	393.3	392.7	392.7	392.7	393.3	392.2	390.0	389.6	386.3	383.0
57.5°	353.6	354.6	355.3	352.9	355.3	354.6	353.6	353.3	352.9	349.5	346.0
60°	326.8	329.5	328.9	327.8	328.9	329.5	326.8	327.3	325.7	323.5	321.3
62.5°	302.1	303.0	303.0	302.7	303.0	303.0	302.1	299.6	298.8	296.7	294.5
65°	264.0	265.1	263.4	265.1	263.4	265.1	264.0	262.4	258.6	257.5	255.4
67.5°	223.0	223.3	224.5	225.3	224.5	223.3	223.0	223.6	221.2	219.1	218.7
70°	197.5	196.9	198.5	200.2	198.5	196.9	197.5	196.4	194.8	193.1	190.9
72.5°	170.6	171.8	171.3	172.4	171.3	171.8	170.6	170.8	169.3	167.1	165.0
75°	131.4	133.1	132.6	134.2	132.6	133.1	131.4	132.6	131.4	129.3	127.1
77.5°	95.0	95.2	95.0	95.9	95.0	95.2	95.0	95.9	94.7	95.4	92.9
80°	72.5	71.4	70.4	72.5	70.4	71.4	72.5	72.5	70.8	72.5	70.8
82.5°	50.4	51.0	50.0	50.0	50.0	51.0	50.4	51.7	51.0	51.7	50.1
85°	23.2	22.7	21.6	21.6	21.6	22.7	23.2	23.2	24.9	23.8	23.8
87.5°	8.6	8.2	8.2	7.8	8.2	8.2	8.6	8.6	8.6	9.5	9.5
90°	21.3	21.4	21.5	21.7	21.5	21.4	21.3	21.1	21.2	21.4	21.8
92.5°	20.5	20.6	20.6	20.6	20.6	20.6	20.5	20.5	20.5	20.5	20.4
95°	40.4	40.1	39.8	39.5	39.8	40.1	40.4	40.7	40.8	40.8	40.8
97.5°	68.6	68.5	68.5	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6
100°	87.7	87.6	87.5	87.3	87.5	87.6	87.7	87.9	88.0	88.0	88.0
102.5°	109.2	109.0	108.8	108.7	108.8	109.0	109.2	109.3	109.3	109.2	109.1
105°	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.5	141.4	141.0	140.8
107.5°	174.3	173.7	173.0	172.4	173.0	173.7	174.3	175.0	175.2	175.0	175.0
110°	197.5	197.1	196.7	196.2	196.7	197.1	197.5	198.0	198.2	198.2	198.2



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	220.1	219.8	219.6	219.2	219.6	219.8	220.1	220.5	220.8	221.1	221.4
115°	256.2	255.8	255.4	254.9	255.4	255.8	256.2	256.6	256.9	257.1	257.1
117.5°	290.2	289.8	289.3	288.9	289.3	289.8	290.2	290.7	291.0	291.4	291.7
120°	314.1	313.7	313.3	312.9	313.3	313.7	314.1	314.6	314.8	314.8	314.8
122.5°	337.3	337.0	336.6	336.4	336.6	337.0	337.3	337.6	337.9	338.3	338.6
125°	372.6	372.4	372.3	372.2	372.3	372.4	372.6	372.8	373.0	373.4	373.9
127.5°	406.2	405.7	405.3	404.8	405.3	405.7	406.2	406.6	407.1	407.6	408.1
130°	429.9	429.4	428.8	428.3	428.8	429.4	429.9	430.5	431.0	431.2	431.5
132.5°	452.0	451.6	451.1	450.7	451.1	451.6	452.0	452.5	453.1	453.6	454.3
135°	486.9	486.5	486.0	485.6	486.0	486.5	486.9	487.3	487.5	487.7	487.9
137.5°	518.9	518.4	517.8	517.2	517.8	518.4	518.9	519.5	519.8	519.9	520.1
140°	540.9	540.3	539.7	539.2	539.7	540.3	540.9	541.4	541.7	541.7	541.7
142.5°	560.7	560.1	559.6	559.1	559.6	560.1	560.7	561.3	561.5	561.4	561.3
145°	590.5	590.0	589.4	588.8	589.4	590.0	590.5	591.1	591.3	591.2	591.0
147.5°	617.1	616.5	616.0	615.5	616.0	616.5	617.1	617.7	617.8	617.4	617.1
150°	634.1	633.7	633.2	632.8	633.2	633.7	634.1	634.5	634.5	634.1	633.7
152.5°	650.8	650.2	649.6	649.1	649.6	650.2	650.8	651.3	651.3	650.8	650.2
155°	672.3	671.9	671.5	671.1	671.5	671.9	672.3	672.8	672.6	671.9	671.2
157.5°	691.9	691.3	690.6	689.9	690.6	691.3	691.9	692.6	692.5	691.5	690.6
160°	703.4	702.8	702.2	701.6	702.2	702.8	703.4	703.9	703.8	703.0	702.1
162.5°	713.9	713.2	712.5	711.8	712.5	713.2	713.9	714.5	714.4	713.5	712.5
165°	727.3	726.6	725.9	725.2	725.9	726.6	727.3	728.1	727.9	726.9	725.9
167.5°	738.4	737.7	736.9	736.2	736.9	737.7	738.4	739.2	739.0	738.0	737.0
170°	744.4	743.5	742.7	741.8	742.7	743.5	744.4	745.2	745.1	744.1	743.1
172.5°	748.9	748.0	747.2	746.4	747.2	748.0	748.9	749.7	749.7	748.7	747.7
175°	753.9	753.0	752.2	751.4	752.2	753.0	753.9	754.7	754.6	753.7	752.7
177.5°	755.7	755.0	754.3	753.7	754.3	755.0	755.7	756.4	756.4	755.7	755.0
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



TEST NUMBER: P331394-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1352.7	1357.5	1364.8	1372.6	1377.4	1386.4	1389.0	1393.3	1397.3	1406.4	1415.8
5°	1274.6	1282.1	1300.0	1309.7	1323.2	1339.0	1349.2	1360.1	1372.0	1392.5	1411.4
7.5°	1190.8	1203.5	1225.6	1243.8	1263.1	1285.6	1301.9	1323.2	1341.0	1370.0	1397.7
10°	1135.0	1152.8	1172.9	1194.5	1221.6	1245.4	1268.1	1295.1	1316.8	1351.4	1383.9
12.5°	1084.8	1087.5	1116.1	1140.0	1177.0	1206.4	1232.6	1267.5	1288.7	1329.8	1363.9
15°	997.0	1013.3	1039.3	1058.2	1102.0	1139.3	1176.2	1212.4	1236.7	1287.5	1332.4
17.5°	923.2	938.1	964.7	995.7	1027.2	1064.4	1112.0	1150.1	1183.2	1241.4	1294.5
20°	876.4	894.8	921.9	953.7	981.4	1021.9	1063.1	1106.9	1142.6	1208.0	1270.2
22.5°	836.6	851.1	872.9	904.4	934.6	971.8	1016.8	1064.5	1101.9	1172.6	1235.6
25°	780.6	792.6	806.6	832.6	866.7	907.3	942.4	994.9	1049.5	1115.5	1191.8
27.5°	730.3	738.7	751.1	774.0	800.4	838.3	877.3	927.2	982.1	1053.8	1134.2
30°	699.5	704.9	717.4	736.3	762.2	792.0	831.5	879.1	935.4	1007.9	1087.9
32.5°	672.7	677.7	685.7	703.8	726.4	751.8	787.3	834.9	888.6	959.9	1048.6
35°	632.4	636.2	643.3	657.9	670.3	695.2	725.0	768.2	818.5	886.7	978.7
37.5°	592.3	597.5	601.8	608.0	623.9	640.3	666.2	702.7	752.1	820.9	908.6
40°	565.9	570.2	576.7	579.4	592.4	607.0	628.1	661.6	711.4	774.1	859.7
42.5°	539.1	543.4	547.2	550.4	561.7	574.5	593.5	622.2	666.4	727.4	812.0
45°	502.6	503.1	506.9	512.8	518.3	527.5	541.0	565.9	600.0	657.3	734.1
47.5°	465.5	466.2	466.8	469.4	475.4	483.7	492.8	513.0	543.5	589.2	664.0
50°	440.9	439.9	440.9	443.0	446.9	453.9	464.1	478.7	503.7	546.4	615.1
52.5°	417.1	416.9	416.2	417.1	420.0	424.9	432.1	444.6	466.8	506.1	566.6
55°	380.8	378.1	378.7	376.5	381.4	382.5	387.9	398.2	417.7	444.7	501.5
57.5°	342.3	340.0	337.6	337.0	336.5	339.4	343.7	351.9	366.8	390.4	436.6
60°	317.6	314.9	311.6	310.5	310.5	312.2	314.3	320.2	334.4	355.5	393.3
62.5°	292.4	289.3	287.4	284.5	283.7	285.4	287.5	291.7	301.9	321.6	354.3
65°	253.7	250.0	247.2	246.7	245.6	244.0	245.1	249.4	257.5	273.2	299.1
67.5°	214.9	211.3	210.7	207.5	206.0	206.2	206.0	209.7	214.6	228.1	247.4
70°	189.3	186.6	185.6	182.9	181.8	180.7	179.6	182.9	187.8	199.1	215.9
72.5°	163.4	161.1	158.7	156.5	156.7	155.6	155.4	157.4	161.3	171.8	184.7
75°	126.0	126.6	123.9	121.2	120.7	119.5	119.5	121.2	122.8	130.9	141.2
77.5°	91.4	91.0	88.7	87.9	87.3	86.1	87.3	88.4	89.3	94.7	102.2
80°	69.8	69.8	67.1	67.1	66.5	64.9	66.5	65.5	67.6	73.1	78.4
82.5°	49.9	49.0	48.9	48.0	47.9	46.7	47.5	48.6	49.4	53.2	56.3
85°	24.4	24.4	23.8	23.2	23.8	23.2	23.8	24.4	24.9	26.5	29.2
87.5°	9.6	10.1	9.9	9.7	9.0	8.9	8.8	9.0	9.5	9.5	9.6
90°	22.0	22.3	19.2	16.1	13.0	9.9	7.4	5.7	4.1	2.4	0.7
92.5°	20.3	20.3	19.6	18.8	18.0	17.3	16.3	15.1	13.9	12.6	11.3
95°	40.8	40.8	40.5	40.2	39.9	39.6	38.8	37.4	36.0	34.6	33.1
97.5°	68.6	68.6	68.0	67.5	66.9	66.4	65.6	64.2	63.0	61.8	60.6
100°	88.0	88.0	87.5	87.1	86.7	86.3	85.4	84.3	83.2	82.1	81.0
102.5°	108.9	108.8	108.3	107.8	107.2	106.7	106.0	105.1	104.2	103.2	102.3
105°	140.5	140.2	139.9	139.7	139.3	139.1	138.7	138.3	137.9	137.5	137.1
107.5°	174.9	174.7	174.7	174.7	174.7	174.7	174.4	173.8	173.2	172.6	171.9
110°	198.2	198.2	198.2	198.2	198.2	198.2	197.8	196.9	196.1	195.2	194.4



TEST NUMBER: P331394-930

CATALOG NUMBER: SA2XXDIP-C865D725U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	221.8	222.2	222.3	222.4	222.5	222.6	222.3	221.4	220.5	219.7	218.8
115°	257.3	257.5	257.7	258.0	258.3	258.6	258.3	257.5	256.6	255.8	254.9
117.5°	292.0	292.4	293.2	294.0	294.7	295.5	295.4	294.2	293.1	292.0	290.8
120°	314.8	314.8	315.9	317.1	318.2	319.4	319.4	318.2	317.1	315.9	314.8
122.5°	338.9	339.2	340.1	340.9	341.7	342.4	342.2	340.8	339.5	338.1	336.7
125°	374.3	374.7	375.1	375.5	376.0	376.4	376.0	374.7	373.4	372.2	370.9
127.5°	408.6	409.1	409.6	410.2	410.7	411.2	410.6	409.0	407.4	405.8	404.1
130°	431.8	432.1	432.4	432.6	432.9	433.2	432.4	430.6	428.8	426.9	425.1
132.5°	454.9	455.5	455.4	455.4	455.3	455.3	454.5	453.0	451.5	450.0	448.5
135°	488.0	488.1	487.9	487.5	487.3	487.0	486.1	484.5	483.0	481.4	479.9
137.5°	520.2	520.2	519.9	519.5	519.2	518.8	518.0	516.7	515.4	514.1	512.9
140°	541.7	541.7	541.0	540.3	539.6	538.8	537.9	536.5	535.3	534.0	532.8
142.5°	561.2	561.1	560.6	560.1	559.6	559.1	558.2	557.0	555.7	554.4	553.2
145°	590.9	590.8	589.9	589.1	588.2	587.3	586.4	585.5	584.5	583.4	582.4
147.5°	616.8	616.5	616.0	615.4	614.8	614.2	613.3	612.1	611.0	609.8	608.6
150°	633.2	632.8	632.3	631.7	631.1	630.6	629.8	629.0	628.1	627.3	626.5
152.5°	649.6	649.1	648.4	647.8	647.1	646.4	645.6	644.8	643.9	643.1	642.2
155°	670.5	669.8	669.4	669.0	668.5	668.1	667.6	667.2	666.8	666.3	665.9
157.5°	689.6	688.6	688.4	688.1	687.9	687.6	687.4	687.1	686.8	686.5	686.2
160°	701.2	700.3	700.3	700.1	699.9	699.8	699.6	699.3	699.0	698.7	698.5
162.5°	711.5	710.5	710.5	710.3	710.1	710.0	709.9	709.8	709.8	709.7	709.6
165°	725.0	723.9	723.9	723.9	723.9	723.9	724.0	724.1	724.3	724.5	724.6
167.5°	736.1	735.0	735.1	735.1	735.2	735.2	735.4	735.8	736.2	736.6	737.0
170°	742.2	741.1	741.3	741.4	741.6	741.7	742.0	742.4	742.8	743.3	743.7
172.5°	746.7	745.8	745.9	746.0	746.2	746.3	746.6	747.0	747.5	747.9	748.3
175°	751.7	750.7	751.0	751.3	751.5	751.9	752.2	752.6	753.0	753.5	753.9
177.5°	754.3	753.7	753.8	754.1	754.3	754.6	754.8	755.1	755.5	755.9	756.2
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



TEST NUMBER: P331394-930
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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1415.0	1417.2	1424.1	1431.0	1438.8	1441.0	1444.5	1441.4	1440.6	1448.8	1454.8
5°	1419.0	1428.7	1447.7	1465.0	1479.6	1489.9	1500.7	1505.0	1513.1	1524.5	1538.6
7.5°	1414.5	1433.4	1463.1	1488.4	1515.9	1535.6	1551.1	1564.3	1580.4	1601.9	1625.4
10°	1409.2	1434.7	1471.0	1501.8	1535.3	1560.7	1581.8	1602.4	1626.2	1656.0	1686.8
12.5°	1399.8	1430.0	1475.3	1511.7	1554.8	1579.8	1608.3	1652.6	1678.1	1719.6	1763.0
15°	1380.6	1414.1	1477.4	1522.3	1571.0	1618.6	1671.1	1713.4	1755.5	1779.9	1841.0
17.5°	1352.2	1401.4	1471.5	1523.9	1585.8	1660.8	1719.7	1767.5	1816.2	1855.7	1886.4
20°	1329.2	1382.7	1462.8	1525.6	1599.1	1679.8	1747.4	1796.1	1838.3	1871.3	1890.2
22.5°	1300.2	1367.6	1445.5	1519.1	1613.0	1692.7	1763.8	1802.1	1837.4	1853.5	1860.8
25°	1254.6	1335.7	1423.9	1513.7	1619.8	1704.1	1769.0	1792.3	1802.5	1786.9	1760.9
27.5°	1205.3	1295.8	1398.9	1503.5	1615.6	1696.7	1743.3	1739.6	1722.2	1671.4	1630.8
30°	1168.6	1268.1	1379.0	1493.1	1605.7	1684.7	1711.7	1684.7	1645.1	1588.4	1530.5
32.5°	1130.0	1233.1	1357.8	1478.4	1587.5	1656.9	1662.8	1616.2	1555.1	1490.5	1418.4
35°	1071.7	1183.2	1317.8	1445.5	1548.8	1592.7	1566.7	1484.5	1412.0	1323.8	1225.3
37.5°	1005.8	1128.9	1264.0	1397.3	1490.9	1502.4	1437.9	1351.4	1249.1	1145.5	1029.6
40°	956.5	1086.9	1225.9	1360.6	1443.3	1431.4	1349.2	1254.0	1132.3	1005.7	898.1
42.5°	912.3	1042.7	1184.3	1316.5	1382.7	1350.1	1254.0	1137.2	1006.3	887.1	788.6
45°	835.8	970.0	1115.0	1242.7	1280.5	1221.6	1094.5	964.6	835.8	736.3	658.4
47.5°	761.6	894.2	1037.8	1150.1	1163.4	1084.1	945.2	811.6	700.9	619.9	564.9
50°	707.1	840.2	982.4	1082.6	1078.2	982.4	839.6	712.5	620.0	554.5	517.7
52.5°	658.2	783.9	920.6	1011.5	988.6	884.2	747.9	635.0	559.0	507.8	474.4
55°	582.1	698.4	828.3	901.3	859.1	743.3	628.1	537.2	480.9	442.5	416.5
57.5°	506.5	615.6	726.8	771.8	725.1	618.2	522.2	456.2	413.9	385.5	368.6
60°	459.8	555.1	654.0	693.0	637.3	542.1	466.4	407.4	373.2	350.0	334.8
62.5°	413.1	498.4	591.7	612.9	562.0	481.5	414.4	365.4	337.4	316.7	302.4
65°	349.5	419.2	490.2	504.2	457.1	394.9	341.9	310.0	285.1	269.9	258.6
67.5°	286.6	342.7	392.9	404.2	363.0	319.8	281.5	253.7	236.8	224.3	214.7
70°	249.4	293.8	334.8	344.1	311.0	272.6	243.4	221.3	206.1	195.3	186.1
72.5°	210.0	247.0	281.2	287.4	260.4	231.1	207.1	189.6	176.3	169.3	160.5
75°	160.7	182.3	208.8	210.4	192.6	174.7	156.4	145.0	137.9	129.3	125.0
77.5°	113.4	130.4	145.5	148.5	137.9	125.7	115.4	106.5	100.5	96.5	92.5
80°	86.6	100.1	106.6	110.4	102.8	94.2	88.2	82.3	78.4	75.7	73.1
82.5°	61.9	70.2	76.3	79.2	75.1	69.9	63.9	60.6	57.6	55.4	54.5
85°	31.4	35.1	39.0	40.0	39.0	36.8	33.5	33.5	31.9	31.4	31.4
87.5°	11.3	13.4	13.7	15.3	14.9	15.6	16.2	16.4	16.6	16.1	15.6
90°	2.4	4.1	5.7	7.4	9.9	13.0	16.1	19.2	22.3	22.0	21.8
92.5°	12.6	13.9	15.1	16.3	17.3	18.0	18.8	19.6	20.3	20.3	20.4
95°	34.6	36.0	37.4	38.8	39.6	39.9	40.2	40.5	40.8	40.8	40.8
97.5°	61.8	63.0	64.2	65.6	66.4	66.9	67.5	68.0	68.6	68.6	68.6
100°	82.1	83.2	84.3	85.4	86.3	86.7	87.1	87.5	88.0	88.0	88.0
102.5°	103.2	104.2	105.1	106.0	106.7	107.2	107.8	108.3	108.8	108.9	109.1
105°	137.5	137.9	138.3	138.7	139.1	139.3	139.7	139.9	140.2	140.5	140.8
107.5°	172.6	173.2	173.8	174.4	174.7	174.7	174.7	174.7	174.7	174.9	175.0
110°	195.2	196.1	196.9	197.8	198.2	198.2	198.2	198.2	198.2	198.2	198.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	219.7	220.5	221.4	222.3	222.6	222.5	222.4	222.3	222.2	221.8	221.4
115°	255.8	256.6	257.5	258.3	258.6	258.3	258.0	257.7	257.5	257.3	257.1
117.5°	292.0	293.1	294.2	295.4	295.5	294.7	294.0	293.2	292.4	292.0	291.7
120°	315.9	317.1	318.2	319.4	319.4	318.2	317.1	315.9	314.8	314.8	314.8
122.5°	338.1	339.5	340.8	342.2	342.4	341.7	340.9	340.1	339.2	338.9	338.6
125°	372.2	373.4	374.7	376.0	376.4	376.0	375.5	375.1	374.7	374.3	373.9
127.5°	405.8	407.4	409.0	410.6	411.2	410.7	410.2	409.6	409.1	408.6	408.1
130°	426.9	428.8	430.6	432.4	433.2	432.9	432.6	432.4	432.1	431.8	431.5
132.5°	450.0	451.5	453.0	454.5	455.3	455.3	455.4	455.4	455.5	454.9	454.3
135°	481.4	483.0	484.5	486.1	487.0	487.3	487.5	487.9	488.1	488.0	487.9
137.5°	514.1	515.4	516.7	518.0	518.8	519.2	519.5	519.9	520.2	520.2	520.1
140°	534.0	535.3	536.5	537.9	538.8	539.6	540.3	541.0	541.7	541.7	541.7
142.5°	554.4	555.7	557.0	558.2	559.1	559.6	560.1	560.6	561.1	561.2	561.3
145°	583.4	584.5	585.5	586.4	587.3	588.2	589.1	589.9	590.8	590.9	591.0
147.5°	609.8	611.0	612.1	613.3	614.2	614.8	615.4	616.0	616.5	616.8	617.1
150°	627.3	628.1	629.0	629.8	630.6	631.1	631.7	632.3	632.8	633.2	633.7
152.5°	643.1	643.9	644.8	645.6	646.4	647.1	647.8	648.4	649.1	649.6	650.2
155°	666.3	666.8	667.2	667.6	668.1	668.5	669.0	669.4	669.8	670.5	671.2
157.5°	686.5	686.8	687.1	687.4	687.6	687.9	688.1	688.4	688.6	689.6	690.6
160°	698.7	699.0	699.3	699.6	699.8	699.9	700.1	700.3	700.3	701.2	702.1
162.5°	709.7	709.8	709.8	709.9	710.0	710.1	710.3	710.5	710.5	711.5	712.5
165°	724.5	724.3	724.1	724.0	723.9	723.9	723.9	723.9	723.9	725.0	725.9
167.5°	736.6	736.2	735.8	735.4	735.2	735.2	735.1	735.1	735.0	736.1	737.0
170°	743.3	742.8	742.4	742.0	741.7	741.6	741.4	741.3	741.1	742.2	743.1
172.5°	747.9	747.5	747.0	746.6	746.3	746.2	746.0	745.9	745.8	746.7	747.7
175°	753.5	753.0	752.6	752.2	751.9	751.5	751.3	751.0	750.7	751.7	752.7
177.5°	755.9	755.5	755.1	754.8	754.6	754.3	754.1	753.8	753.7	754.3	755.0
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1	755.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6	1407.6
2.5°	1460.0	1466.1	1466.1	1467.0	1473.9	1473.0	1472.6
5°	1553.7	1562.9	1564.0	1573.8	1580.2	1578.1	1572.1
7.5°	1642.1	1659.2	1672.2	1679.4	1688.0	1693.3	1690.9
10°	1712.2	1737.1	1752.2	1762.5	1775.0	1784.2	1780.9
12.5°	1775.9	1805.5	1826.3	1843.9	1845.5	1857.3	1849.3
15°	1875.1	1906.4	1909.7	1922.6	1933.0	1931.9	1932.4
17.5°	1907.9	1917.9	1919.9	1920.3	1920.4	1916.6	1908.4
20°	1896.1	1892.4	1883.2	1876.2	1863.7	1862.1	1851.3
22.5°	1840.8	1828.8	1805.7	1790.5	1771.1	1766.0	1763.0
25°	1731.7	1705.2	1668.4	1633.2	1623.5	1604.6	1610.0
27.5°	1582.1	1540.8	1500.9	1472.3	1446.5	1418.1	1426.3
30°	1476.9	1430.4	1374.1	1330.8	1303.3	1276.2	1271.3
32.5°	1351.4	1283.2	1220.5	1182.3	1140.1	1123.0	1104.2
35°	1135.0	1068.4	1006.2	952.7	921.9	898.1	876.4
37.5°	940.4	863.7	813.5	770.1	747.9	734.3	737.7
40°	819.6	752.5	715.8	682.7	662.2	652.4	654.6
42.5°	721.8	671.6	641.3	618.6	604.1	598.8	597.5
45°	610.7	582.6	557.7	544.8	537.8	531.8	528.0
47.5°	535.0	512.1	498.1	490.3	484.2	478.1	478.0
50°	489.6	474.4	464.7	456.6	451.8	447.4	451.2
52.5°	454.9	441.2	431.4	424.1	422.3	418.4	418.3
55°	403.6	392.7	385.7	379.2	376.0	373.8	371.1
57.5°	356.9	346.6	340.1	336.0	329.8	327.6	326.8
60°	323.5	315.4	308.9	303.5	300.8	296.4	296.4
62.5°	292.8	284.7	278.6	274.5	270.0	268.3	268.8
65°	248.3	241.8	235.9	231.5	230.5	227.2	228.3
67.5°	207.4	203.1	196.8	194.4	192.4	190.6	189.3
70°	180.2	175.9	172.6	169.3	167.7	167.7	167.7
72.5°	157.2	152.1	150.1	145.9	146.9	145.2	143.5
75°	121.7	118.5	116.8	115.2	112.5	112.5	112.5
77.5°	89.6	88.6	86.7	85.0	84.3	83.7	84.0
80°	69.2	68.7	67.6	67.6	66.5	66.0	64.9
82.5°	53.2	51.9	51.2	50.7	50.5	50.4	50.2
85°	30.3	29.2	29.2	29.8	28.7	28.7	29.2
87.5°	16.0	15.9	15.5	15.5	16.0	15.6	15.6
90°	21.4	21.2	21.1	21.3	21.4	21.5	21.7
92.5°	20.5	20.5	20.5	20.5	20.6	20.6	20.6
95°	40.8	40.8	40.7	40.4	40.1	39.8	39.5
97.5°	68.6	68.6	68.6	68.6	68.5	68.5	68.4
100°	88.0	88.0	87.9	87.7	87.6	87.5	87.3
102.5°	109.2	109.3	109.3	109.2	109.0	108.8	108.7
105°	141.0	141.4	141.5	141.5	141.5	141.5	141.5
107.5°	175.0	175.2	175.0	174.3	173.7	173.0	172.4
110°	198.2	198.2	198.0	197.5	197.1	196.7	196.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	221.1	220.8	220.5	220.1	219.8	219.6	219.2
115°	257.1	256.9	256.6	256.2	255.8	255.4	254.9
117.5°	291.4	291.0	290.7	290.2	289.8	289.3	288.9
120°	314.8	314.8	314.6	314.1	313.7	313.3	312.9
122.5°	338.3	337.9	337.6	337.3	337.0	336.6	336.4
125°	373.4	373.0	372.8	372.6	372.4	372.3	372.2
127.5°	407.6	407.1	406.6	406.2	405.7	405.3	404.8
130°	431.2	431.0	430.5	429.9	429.4	428.8	428.3
132.5°	453.6	453.1	452.5	452.0	451.6	451.1	450.7
135°	487.7	487.5	487.3	486.9	486.5	486.0	485.6
137.5°	519.9	519.8	519.5	518.9	518.4	517.8	517.2
140°	541.7	541.7	541.4	540.9	540.3	539.7	539.2
142.5°	561.4	561.5	561.3	560.7	560.1	559.6	559.1
145°	591.2	591.3	591.1	590.5	590.0	589.4	588.8
147.5°	617.4	617.8	617.7	617.1	616.5	616.0	615.5
150°	634.1	634.5	634.5	634.1	633.7	633.2	632.8
152.5°	650.8	651.3	651.3	650.8	650.2	649.6	649.1
155°	671.9	672.6	672.8	672.3	671.9	671.5	671.1
157.5°	691.5	692.5	692.6	691.9	691.3	690.6	689.9
160°	703.0	703.8	703.9	703.4	702.8	702.2	701.6
162.5°	713.5	714.4	714.5	713.9	713.2	712.5	711.8
165°	726.9	727.9	728.1	727.3	726.6	725.9	725.2
167.5°	738.0	739.0	739.2	738.4	737.7	736.9	736.2
170°	744.1	745.1	745.2	744.4	743.5	742.7	741.8
172.5°	748.7	749.7	749.7	748.9	748.0	747.2	746.4
175°	753.7	754.6	754.7	753.9	753.0	752.2	751.4
177.5°	755.7	756.4	756.4	755.7	755.0	754.3	753.7
180°	755.1	755.1	755.1	755.1	755.1	755.1	755.1

(END OF REPORT)