

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: P331393-930

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

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331393-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
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-A  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 725 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

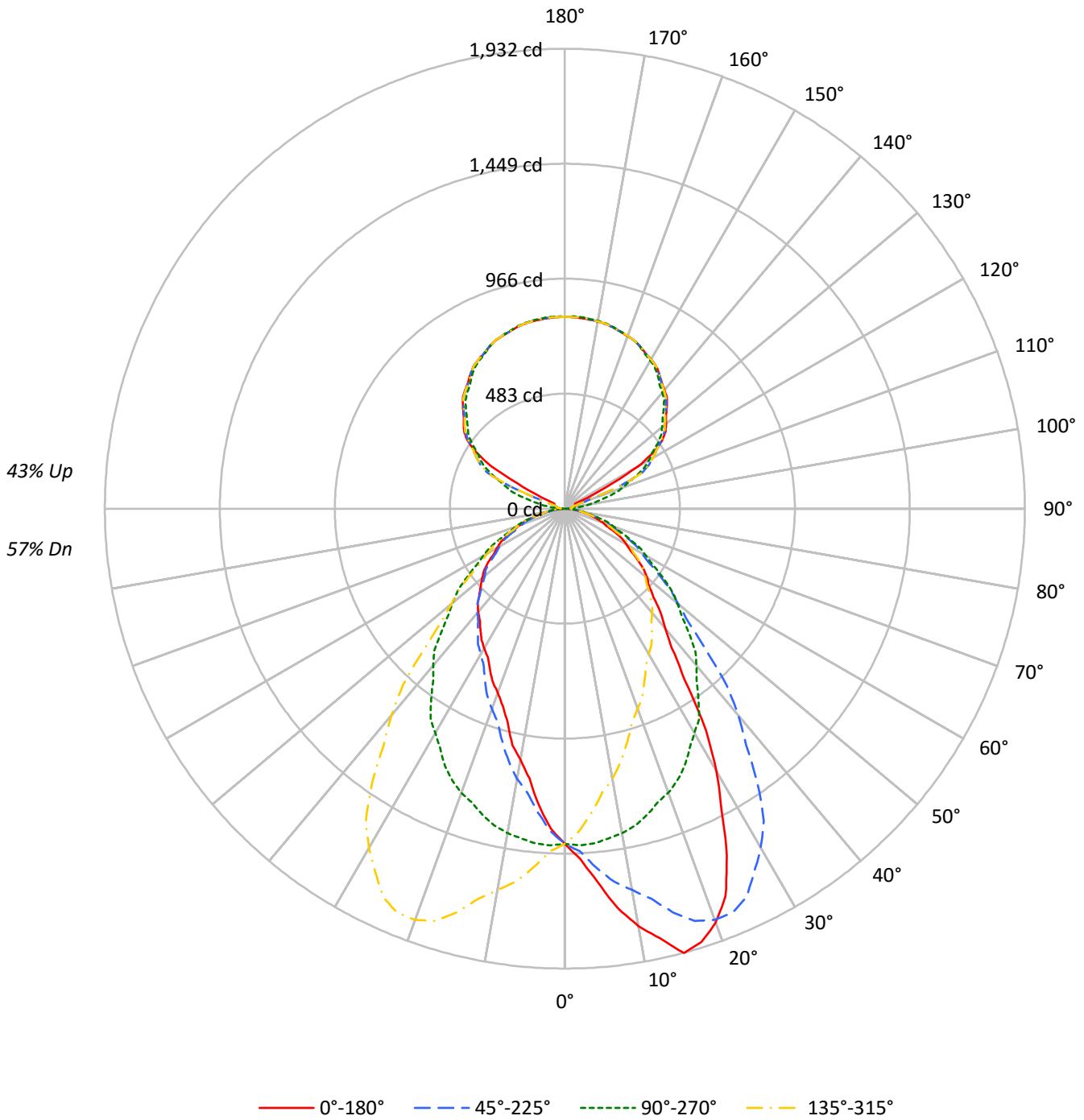
Lumens per Lamp: N/A  
Luminaire Lumens: 5469.6 lumens  
Efficiency: N/A  
Efficacy: 100.5 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

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	101	101	101	101	87	87	87	74	74	74	62	62	62	57				
1	100	96	92	89	93	89	86	83	77	75	73	66	64	63	56	55	54	49				
2	91	84	78	73	85	79	74	69	68	64	61	59	56	53	50	48	46	42				
3	84	75	67	62	78	70	63	58	61	56	52	52	49	46	45	42	40	36				
4	77	66	59	53	71	62	55	50	54	49	45	47	43	40	40	37	35	31				
5	71	59	52	46	66	56	49	43	49	43	39	43	38	35	37	33	31	28				
6	65	54	46	40	61	50	43	38	44	39	34	39	34	31	33	30	27	25				
7	61	49	41	35	56	46	39	34	40	35	31	35	31	28	31	27	25	22				
8	56	44	37	31	53	42	35	30	37	31	27	33	28	25	28	25	22	20				
9	53	41	33	28	49	38	32	27	34	29	25	30	26	22	26	23	20	18				
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	24	21	18	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	2.5
10°-20°	389.7	7.1
20°-30°	565.6	10.3
30°-40°	596.9	10.9
40°-50°	528.5	9.7
50°-60°	421.7	7.7
60°-70°	286.7	5.2
70°-80°	147.0	2.7
80°-90°	37.4	0.7
90°-100°	26.9	0.5
100°-110°	98.6	1.8
110°-120°	263.5	4.8
120°-130°	435.0	8.0
130°-140°	462.7	8.5
140°-150°	430.0	7.9
150°-160°	345.7	6.3
160°-170°	222.8	4.1
170°-180°	76.7	1.4
0°-30°	1089.4	19.9
0°-40°	1686.3	30.8
0°-60°	2636.5	48.2
0°-90°	3107.5	56.8
90°-120°	389.0	7.1
90°-150°	1716.8	31.4
90°-180°	2362.0	43.2
0°-180°	5469.6	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	32
90°	16	1	16	1	16	8
95°	25	38	25	38	25	23
105°	44	177	44	177	44	46
115°	48	335	48	335	48	120
125°	499	474	499	474	499	431
135°	606	587	606	587	606	467
145°	691	681	691	681	691	432
155°	750	749	750	749	750	346
165°	788	790	788	790	788	222
175°	803	808	803	808	803	76
180°	806	806	806	806	806	



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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°	14.4	14.3	14.8	14.3	14.2	14.5	14.4	13.9	14.2	14.4	14.7
90°	15.7	15.5	15.2	15.0	14.7	14.3	13.6	13.0	12.3	11.7	10.6
92.5°	15.7	15.6	15.4	15.2	15.2	14.8	14.5	14.2	13.9	13.5	13.0
95°	25.1	25.2	25.4	25.4	25.6	25.4	24.7	24.1	23.4	22.7	21.9
97.5°	33.5	33.3	33.2	33.0	32.9	32.5	32.0	31.5	31.0	30.4	28.4
100°	39.1	38.8	38.6	38.3	38.1	37.4	36.4	35.3	34.2	33.3	31.1
102.5°	41.9	41.5	41.2	40.8	40.4	39.5	38.2	36.9	35.5	34.2	52.6
105°	44.4	43.8	43.3	42.8	42.2	41.3	39.9	38.4	37.0	35.5	70.9
107.5°	45.6	45.1	44.6	44.0	43.5	44.0	45.4	46.9	48.3	49.8	92.2
110°	46.1	45.6	45.0	44.5	44.0	50.2	63.2	76.1	89.1	102.1	139.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	46.6	46.1	45.7	45.3	44.8	68.3	115.6	162.9	210.2	257.4	266.7
115°	47.9	57.2	66.4	75.8	85.1	119.8	179.9	239.9	299.9	359.9	356.6
117.5°	195.3	225.9	256.6	287.2	317.9	340.5	355.0	369.6	384.1	398.6	396.3
120°	355.8	373.2	390.8	408.2	425.7	433.7	432.2	430.6	429.0	427.5	425.2
122.5°	443.9	447.4	450.7	454.1	457.5	458.8	457.8	456.9	455.9	455.0	452.5
125°	498.6	498.2	497.9	497.5	497.1	496.4	495.5	494.6	493.7	492.8	490.3
127.5°	533.2	533.1	533.0	533.0	532.9	532.1	530.8	529.5	528.2	526.8	525.1
130°	554.6	554.7	554.9	555.1	555.1	554.5	553.1	551.6	550.2	548.8	547.4
132.5°	575.6	575.8	575.9	576.0	576.2	575.6	574.4	573.2	571.9	570.7	569.3
135°	605.9	606.2	606.5	606.7	607.0	606.5	605.2	603.9	602.6	601.3	600.1
137.5°	633.6	634.1	634.5	635.0	635.4	635.0	633.7	632.4	631.1	629.9	628.5
140°	650.9	651.5	652.2	652.8	653.5	653.2	652.0	650.9	649.7	648.6	647.1
142.5°	667.6	668.3	669.0	669.6	670.3	670.0	669.0	667.9	666.8	665.8	664.1
145°	691.1	691.8	692.4	693.1	693.7	693.6	692.7	691.8	690.9	689.9	687.7
147.5°	711.8	712.3	712.8	713.4	714.0	713.9	713.2	712.5	711.8	711.2	709.0
150°	724.3	725.0	725.6	726.3	726.9	726.8	726.1	725.3	724.6	723.7	721.7
152.5°	735.1	736.0	736.8	737.7	738.5	738.6	737.8	736.9	736.2	735.4	733.4
155°	750.0	751.1	752.1	753.1	754.2	754.3	753.5	752.8	752.0	751.1	749.6
157.5°	763.7	764.7	765.6	766.7	767.7	767.8	766.9	766.0	765.2	764.3	763.1
160°	771.6	772.5	773.4	774.3	775.2	775.3	774.5	773.7	773.0	772.2	771.4
162.5°	778.1	779.3	780.3	781.5	782.6	782.7	781.8	780.9	780.1	779.2	778.5
165°	787.9	788.8	789.7	790.7	791.6	791.6	790.7	789.7	788.8	787.9	787.5
167.5°	794.1	795.2	796.5	797.6	798.7	798.9	798.0	797.1	796.1	795.2	794.9
170°	797.9	799.0	800.1	801.4	802.5	802.7	801.7	800.8	799.9	799.0	798.7
172.5°	800.6	801.8	803.0	804.1	805.3	805.4	804.5	803.6	802.7	801.8	801.5
175°	803.1	804.4	805.7	807.0	808.3	808.5	807.6	806.7	805.8	804.9	804.5
177.5°	804.6	805.5	806.5	807.4	808.4	808.5	807.7	807.0	806.2	805.5	805.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



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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°	14.9	14.7	14.5	15.1	13.5	13.2	11.3	9.6	9.5	9.4	8.7
90°	9.6	8.6	7.5	6.3	4.9	3.4	2.0	0.6	2.0	3.4	4.9
92.5°	12.5	12.0	11.5	11.3	11.4	11.5	11.7	11.7	11.7	11.5	11.4
95°	21.0	20.1	19.1	20.8	25.1	29.4	33.7	37.9	33.7	29.4	25.1
97.5°	26.3	24.1	22.0	27.0	39.1	51.1	63.2	75.3	63.2	51.1	39.1
100°	28.9	26.7	24.5	32.2	50.0	67.8	85.4	103.2	85.4	67.8	50.0
102.5°	71.0	89.4	107.9	119.0	122.8	126.5	130.3	134.0	130.3	126.5	122.8
105°	106.3	141.7	177.1	192.8	189.0	185.1	181.2	177.3	181.2	185.1	189.0
107.5°	134.7	177.1	219.6	239.2	236.0	232.9	229.8	226.7	229.8	232.9	236.0
110°	177.0	214.4	251.8	269.2	266.5	263.8	261.1	258.4	261.1	263.8	266.5





TEST NUMBER: P331393-930

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.9	285.2	294.4	297.8	295.5	293.0	290.7	288.2	290.7	293.0	295.5
115°	353.4	350.1	346.9	344.1	341.9	339.7	337.5	335.3	337.5	339.7	341.9
117.5°	394.1	391.9	389.6	387.3	384.8	382.4	379.9	377.5	379.9	382.4	384.8
120°	422.8	420.5	418.2	416.0	414.1	412.1	410.2	408.2	410.2	412.1	414.1
122.5°	450.0	447.4	444.8	442.5	440.5	438.5	436.4	434.4	436.4	438.5	440.5
125°	487.9	485.4	483.0	480.9	479.2	477.5	475.8	474.2	475.8	477.5	479.2
127.5°	523.2	521.4	519.5	517.6	515.8	514.0	512.1	510.2	512.1	514.0	515.8
130°	545.9	544.5	543.1	541.4	539.2	537.2	535.2	533.0	535.2	537.2	539.2
132.5°	567.9	566.5	565.0	563.5	561.7	559.9	558.2	556.4	558.2	559.9	561.7
135°	598.9	597.8	596.6	595.0	593.0	590.8	588.8	586.7	588.8	590.8	593.0
137.5°	627.2	625.9	624.6	623.2	621.7	620.3	618.8	617.4	618.8	620.3	621.7
140°	645.7	644.2	642.9	641.6	640.6	639.5	638.5	637.5	638.5	639.5	640.6
142.5°	662.5	660.9	659.3	657.9	657.0	656.2	655.2	654.3	655.2	656.2	657.0
145°	685.5	683.3	681.1	680.1	680.2	680.4	680.4	680.6	680.4	680.4	680.2
147.5°	706.8	704.7	702.5	701.6	702.1	702.6	703.1	703.6	703.1	702.6	702.1
150°	719.6	717.5	715.5	714.9	715.8	716.7	717.6	718.5	717.6	716.7	715.8
152.5°	731.5	729.5	727.6	727.1	728.1	729.1	730.1	731.1	730.1	729.1	728.1
155°	748.0	746.5	744.9	744.8	745.9	747.1	748.3	749.4	748.3	747.1	745.9
157.5°	762.1	761.0	759.9	759.9	760.8	761.8	762.8	763.8	762.8	761.8	760.8
160°	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2	771.4	770.6	769.8
162.5°	777.8	777.1	776.5	776.5	777.3	778.1	778.9	779.7	778.9	778.1	777.3
165°	787.2	786.8	786.4	786.5	787.3	788.1	788.9	789.7	788.9	788.1	787.3
167.5°	794.5	794.2	793.8	794.0	794.8	795.6	796.4	797.1	796.4	795.6	794.8
170°	798.5	798.3	797.9	798.3	799.0	799.8	800.5	801.4	800.5	799.8	799.0
172.5°	801.3	801.0	800.8	801.0	801.8	802.6	803.3	804.1	803.3	802.6	801.8
175°	804.3	804.0	803.8	804.1	805.0	805.9	806.8	807.7	806.8	805.9	805.0
177.5°	805.4	805.2	805.1	805.4	806.2	806.9	807.6	808.4	807.6	806.9	806.2
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331393-930

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

**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°	8.6	8.4	8.2	8.4	8.2	8.0	7.7	7.7	7.9	7.2	7.3
90°	6.3	7.5	8.6	9.6	10.6	11.7	12.3	13.0	13.6	14.3	14.7
92.5°	11.3	11.5	12.0	12.5	13.0	13.5	13.9	14.2	14.5	14.8	15.2
95°	20.8	19.1	20.1	21.0	21.9	22.7	23.4	24.1	24.7	25.4	25.6
97.5°	27.0	22.0	24.1	26.3	28.4	30.4	31.0	31.5	32.0	32.5	32.9
100°	32.2	24.5	26.7	28.9	31.1	33.3	34.2	35.3	36.4	37.4	38.1
102.5°	119.0	107.9	89.4	71.0	52.6	34.2	35.5	36.9	38.2	39.5	40.4
105°	192.8	177.1	141.7	106.3	70.9	35.5	37.0	38.4	39.9	41.3	42.2
107.5°	239.2	219.6	177.1	134.7	92.2	49.8	48.3	46.9	45.4	44.0	43.5
110°	269.2	251.8	214.4	177.0	139.5	102.1	89.1	76.1	63.2	50.2	44.0



TEST NUMBER: P331393-930

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

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	297.8	294.4	285.2	275.9	266.7	257.4	210.2	162.9	115.6	68.3	44.8
115°	344.1	346.9	350.1	353.4	356.6	359.9	299.9	239.9	179.9	119.8	85.1
117.5°	387.3	389.6	391.9	394.1	396.3	398.6	384.1	369.6	355.0	340.5	317.9
120°	416.0	418.2	420.5	422.8	425.2	427.5	429.0	430.6	432.2	433.7	425.7
122.5°	442.5	444.8	447.4	450.0	452.5	455.0	455.9	456.9	457.8	458.8	457.5
125°	480.9	483.0	485.4	487.9	490.3	492.8	493.7	494.6	495.5	496.4	497.1
127.5°	517.6	519.5	521.4	523.2	525.1	526.8	528.2	529.5	530.8	532.1	532.9
130°	541.4	543.1	544.5	545.9	547.4	548.8	550.2	551.6	553.1	554.5	555.1
132.5°	563.5	565.0	566.5	567.9	569.3	570.7	571.9	573.2	574.4	575.6	576.2
135°	595.0	596.6	597.8	598.9	600.1	601.3	602.6	603.9	605.2	606.5	607.0
137.5°	623.2	624.6	625.9	627.2	628.5	629.9	631.1	632.4	633.7	635.0	635.4
140°	641.6	642.9	644.2	645.7	647.1	648.6	649.7	650.9	652.0	653.2	653.5
142.5°	657.9	659.3	660.9	662.5	664.1	665.8	666.8	667.9	669.0	670.0	670.3
145°	680.1	681.1	683.3	685.5	687.7	689.9	690.9	691.8	692.7	693.6	693.7
147.5°	701.6	702.5	704.7	706.8	709.0	711.2	711.8	712.5	713.2	713.9	714.0
150°	714.9	715.5	717.5	719.6	721.7	723.7	724.6	725.3	726.1	726.8	726.9
152.5°	727.1	727.6	729.5	731.5	733.4	735.4	736.2	736.9	737.8	738.6	738.5
155°	744.8	744.9	746.5	748.0	749.6	751.1	752.0	752.8	753.5	754.3	754.2
157.5°	759.9	759.9	761.0	762.1	763.1	764.3	765.2	766.0	766.9	767.8	767.7
160°	769.1	769.1	769.8	770.6	771.4	772.2	773.0	773.7	774.5	775.3	775.2
162.5°	776.5	776.5	777.1	777.8	778.5	779.2	780.1	780.9	781.8	782.7	782.6
165°	786.5	786.4	786.8	787.2	787.5	787.9	788.8	789.7	790.7	791.6	791.6
167.5°	794.0	793.8	794.2	794.5	794.9	795.2	796.1	797.1	798.0	798.9	798.7
170°	798.3	797.9	798.3	798.5	798.7	799.0	799.9	800.8	801.7	802.7	802.5
172.5°	801.0	800.8	801.0	801.3	801.5	801.8	802.7	803.6	804.5	805.4	805.3
175°	804.1	803.8	804.0	804.3	804.5	804.9	805.8	806.7	807.6	808.5	808.3
177.5°	805.4	805.1	805.2	805.4	805.4	805.5	806.2	807.0	807.7	808.5	808.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331393-930

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

**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°	7.3	6.9	7.0	6.6	7.0	6.9	7.3	7.3	7.2	7.9	7.7
90°	15.0	15.2	15.5	15.7	15.5	15.2	15.0	14.7	14.3	13.6	13.0
92.5°	15.2	15.4	15.6	15.7	15.6	15.4	15.2	15.2	14.8	14.5	14.2
95°	25.4	25.4	25.2	25.1	25.2	25.4	25.4	25.6	25.4	24.7	24.1
97.5°	33.0	33.2	33.3	33.5	33.3	33.2	33.0	32.9	32.5	32.0	31.5
100°	38.3	38.6	38.8	39.1	38.8	38.6	38.3	38.1	37.4	36.4	35.3
102.5°	40.8	41.2	41.5	41.9	41.5	41.2	40.8	40.4	39.5	38.2	36.9
105°	42.8	43.3	43.8	44.4	43.8	43.3	42.8	42.2	41.3	39.9	38.4
107.5°	44.0	44.6	45.1	45.6	45.1	44.6	44.0	43.5	44.0	45.4	46.9
110°	44.5	45.0	45.6	46.1	45.6	45.0	44.5	44.0	50.2	63.2	76.1



TEST NUMBER: P331393-930

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	45.3	45.7	46.1	46.6	46.1	45.7	45.3	44.8	68.3	115.6	162.9
115°	75.8	66.4	57.2	47.9	57.2	66.4	75.8	85.1	119.8	179.9	239.9
117.5°	287.2	256.6	225.9	195.3	225.9	256.6	287.2	317.9	340.5	355.0	369.6
120°	408.2	390.8	373.2	355.8	373.2	390.8	408.2	425.7	433.7	432.2	430.6
122.5°	454.1	450.7	447.4	443.9	447.4	450.7	454.1	457.5	458.8	457.8	456.9
125°	497.5	497.9	498.2	498.6	498.2	497.9	497.5	497.1	496.4	495.5	494.6
127.5°	533.0	533.0	533.1	533.2	533.1	533.0	533.0	532.9	532.1	530.8	529.5
130°	555.1	554.9	554.7	554.6	554.7	554.9	555.1	555.1	554.5	553.1	551.6
132.5°	576.0	575.9	575.8	575.6	575.8	575.9	576.0	576.2	575.6	574.4	573.2
135°	606.7	606.5	606.2	605.9	606.2	606.5	606.7	607.0	606.5	605.2	603.9
137.5°	635.0	634.5	634.1	633.6	634.1	634.5	635.0	635.4	635.0	633.7	632.4
140°	652.8	652.2	651.5	650.9	651.5	652.2	652.8	653.5	653.2	652.0	650.9
142.5°	669.6	669.0	668.3	667.6	668.3	669.0	669.6	670.3	670.0	669.0	667.9
145°	693.1	692.4	691.8	691.1	691.8	692.4	693.1	693.7	693.6	692.7	691.8
147.5°	713.4	712.8	712.3	711.8	712.3	712.8	713.4	714.0	713.9	713.2	712.5
150°	726.3	725.6	725.0	724.3	725.0	725.6	726.3	726.9	726.8	726.1	725.3
152.5°	737.7	736.8	736.0	735.1	736.0	736.8	737.7	738.5	738.6	737.8	736.9
155°	753.1	752.1	751.1	750.0	751.1	752.1	753.1	754.2	754.3	753.5	752.8
157.5°	766.7	765.6	764.7	763.7	764.7	765.6	766.7	767.7	767.8	766.9	766.0
160°	774.3	773.4	772.5	771.6	772.5	773.4	774.3	775.2	775.3	774.5	773.7
162.5°	781.5	780.3	779.3	778.1	779.3	780.3	781.5	782.6	782.7	781.8	780.9
165°	790.7	789.7	788.8	787.9	788.8	789.7	790.7	791.6	791.6	790.7	789.7
167.5°	797.6	796.5	795.2	794.1	795.2	796.5	797.6	798.7	798.9	798.0	797.1
170°	801.4	800.1	799.0	797.9	799.0	800.1	801.4	802.5	802.7	801.7	800.8
172.5°	804.1	803.0	801.8	800.6	801.8	803.0	804.1	805.3	805.4	804.5	803.6
175°	807.0	805.7	804.4	803.1	804.4	805.7	807.0	808.3	808.5	807.6	806.7
177.5°	807.4	806.5	805.5	804.6	805.5	806.5	807.4	808.4	808.5	807.7	807.0
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331393-930

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

**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°	7.7	8.0	8.2	8.4	8.2	8.4	8.6	8.7	9.4	9.5	9.6
90°	12.3	11.7	10.6	9.6	8.6	7.5	6.3	4.9	3.4	2.0	0.6
92.5°	13.9	13.5	13.0	12.5	12.0	11.5	11.3	11.4	11.5	11.7	11.7
95°	23.4	22.7	21.9	21.0	20.1	19.1	20.8	25.1	29.4	33.7	37.9
97.5°	31.0	30.4	28.4	26.3	24.1	22.0	27.0	39.1	51.1	63.2	75.3
100°	34.2	33.3	31.1	28.9	26.7	24.5	32.2	50.0	67.8	85.4	103.2
102.5°	35.5	34.2	52.6	71.0	89.4	107.9	119.0	122.8	126.5	130.3	134.0
105°	37.0	35.5	70.9	106.3	141.7	177.1	192.8	189.0	185.1	181.2	177.3
107.5°	48.3	49.8	92.2	134.7	177.1	219.6	239.2	236.0	232.9	229.8	226.7
110°	89.1	102.1	139.5	177.0	214.4	251.8	269.2	266.5	263.8	261.1	258.4



TEST NUMBER: P331393-930

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	210.2	257.4	266.7	275.9	285.2	294.4	297.8	295.5	293.0	290.7	288.2
115°	299.9	359.9	356.6	353.4	350.1	346.9	344.1	341.9	339.7	337.5	335.3
117.5°	384.1	398.6	396.3	394.1	391.9	389.6	387.3	384.8	382.4	379.9	377.5
120°	429.0	427.5	425.2	422.8	420.5	418.2	416.0	414.1	412.1	410.2	408.2
122.5°	455.9	455.0	452.5	450.0	447.4	444.8	442.5	440.5	438.5	436.4	434.4
125°	493.7	492.8	490.3	487.9	485.4	483.0	480.9	479.2	477.5	475.8	474.2
127.5°	528.2	526.8	525.1	523.2	521.4	519.5	517.6	515.8	514.0	512.1	510.2
130°	550.2	548.8	547.4	545.9	544.5	543.1	541.4	539.2	537.2	535.2	533.0
132.5°	571.9	570.7	569.3	567.9	566.5	565.0	563.5	561.7	559.9	558.2	556.4
135°	602.6	601.3	600.1	598.9	597.8	596.6	595.0	593.0	590.8	588.8	586.7
137.5°	631.1	629.9	628.5	627.2	625.9	624.6	623.2	621.7	620.3	618.8	617.4
140°	649.7	648.6	647.1	645.7	644.2	642.9	641.6	640.6	639.5	638.5	637.5
142.5°	666.8	665.8	664.1	662.5	660.9	659.3	657.9	657.0	656.2	655.2	654.3
145°	690.9	689.9	687.7	685.5	683.3	681.1	680.1	680.2	680.4	680.4	680.6
147.5°	711.8	711.2	709.0	706.8	704.7	702.5	701.6	702.1	702.6	703.1	703.6
150°	724.6	723.7	721.7	719.6	717.5	715.5	714.9	715.8	716.7	717.6	718.5
152.5°	736.2	735.4	733.4	731.5	729.5	727.6	727.1	728.1	729.1	730.1	731.1
155°	752.0	751.1	749.6	748.0	746.5	744.9	744.8	745.9	747.1	748.3	749.4
157.5°	765.2	764.3	763.1	762.1	761.0	759.9	759.9	760.8	761.8	762.8	763.8
160°	773.0	772.2	771.4	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2
162.5°	780.1	779.2	778.5	777.8	777.1	776.5	776.5	777.3	778.1	778.9	779.7
165°	788.8	787.9	787.5	787.2	786.8	786.4	786.5	787.3	788.1	788.9	789.7
167.5°	796.1	795.2	794.9	794.5	794.2	793.8	794.0	794.8	795.6	796.4	797.1
170°	799.9	799.0	798.7	798.5	798.3	797.9	798.3	799.0	799.8	800.5	801.4
172.5°	802.7	801.8	801.5	801.3	801.0	800.8	801.0	801.8	802.6	803.3	804.1
175°	805.8	804.9	804.5	804.3	804.0	803.8	804.1	805.0	805.9	806.8	807.7
177.5°	806.2	805.5	805.4	805.4	805.2	805.1	805.4	806.2	806.9	807.6	808.4
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



TEST NUMBER: P331393-930

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

**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	13.2	13.5	15.1	14.5	14.7	14.9	14.7	14.4	14.2	13.9
90°	2.0	3.4	4.9	6.3	7.5	8.6	9.6	10.6	11.7	12.3	13.0
92.5°	11.7	11.5	11.4	11.3	11.5	12.0	12.5	13.0	13.5	13.9	14.2
95°	33.7	29.4	25.1	20.8	19.1	20.1	21.0	21.9	22.7	23.4	24.1
97.5°	63.2	51.1	39.1	27.0	22.0	24.1	26.3	28.4	30.4	31.0	31.5
100°	85.4	67.8	50.0	32.2	24.5	26.7	28.9	31.1	33.3	34.2	35.3
102.5°	130.3	126.5	122.8	119.0	107.9	89.4	71.0	52.6	34.2	35.5	36.9
105°	181.2	185.1	189.0	192.8	177.1	141.7	106.3	70.9	35.5	37.0	38.4
107.5°	229.8	232.9	236.0	239.2	219.6	177.1	134.7	92.2	49.8	48.3	46.9
110°	261.1	263.8	266.5	269.2	251.8	214.4	177.0	139.5	102.1	89.1	76.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	290.7	293.0	295.5	297.8	294.4	285.2	275.9	266.7	257.4	210.2	162.9
115°	337.5	339.7	341.9	344.1	346.9	350.1	353.4	356.6	359.9	299.9	239.9
117.5°	379.9	382.4	384.8	387.3	389.6	391.9	394.1	396.3	398.6	384.1	369.6
120°	410.2	412.1	414.1	416.0	418.2	420.5	422.8	425.2	427.5	429.0	430.6
122.5°	436.4	438.5	440.5	442.5	444.8	447.4	450.0	452.5	455.0	455.9	456.9
125°	475.8	477.5	479.2	480.9	483.0	485.4	487.9	490.3	492.8	493.7	494.6
127.5°	512.1	514.0	515.8	517.6	519.5	521.4	523.2	525.1	526.8	528.2	529.5
130°	535.2	537.2	539.2	541.4	543.1	544.5	545.9	547.4	548.8	550.2	551.6
132.5°	558.2	559.9	561.7	563.5	565.0	566.5	567.9	569.3	570.7	571.9	573.2
135°	588.8	590.8	593.0	595.0	596.6	597.8	598.9	600.1	601.3	602.6	603.9
137.5°	618.8	620.3	621.7	623.2	624.6	625.9	627.2	628.5	629.9	631.1	632.4
140°	638.5	639.5	640.6	641.6	642.9	644.2	645.7	647.1	648.6	649.7	650.9
142.5°	655.2	656.2	657.0	657.9	659.3	660.9	662.5	664.1	665.8	666.8	667.9
145°	680.4	680.4	680.2	680.1	681.1	683.3	685.5	687.7	689.9	690.9	691.8
147.5°	703.1	702.6	702.1	701.6	702.5	704.7	706.8	709.0	711.2	711.8	712.5
150°	717.6	716.7	715.8	714.9	715.5	717.5	719.6	721.7	723.7	724.6	725.3
152.5°	730.1	729.1	728.1	727.1	727.6	729.5	731.5	733.4	735.4	736.2	736.9
155°	748.3	747.1	745.9	744.8	744.9	746.5	748.0	749.6	751.1	752.0	752.8
157.5°	762.8	761.8	760.8	759.9	759.9	761.0	762.1	763.1	764.3	765.2	766.0
160°	771.4	770.6	769.8	769.1	769.1	769.8	770.6	771.4	772.2	773.0	773.7
162.5°	778.9	778.1	777.3	776.5	776.5	777.1	777.8	778.5	779.2	780.1	780.9
165°	788.9	788.1	787.3	786.5	786.4	786.8	787.2	787.5	787.9	788.8	789.7
167.5°	796.4	795.6	794.8	794.0	793.8	794.2	794.5	794.9	795.2	796.1	797.1
170°	800.5	799.8	799.0	798.3	797.9	798.3	798.5	798.7	799.0	799.9	800.8
172.5°	803.3	802.6	801.8	801.0	800.8	801.0	801.3	801.5	801.8	802.7	803.6
175°	806.8	805.9	805.0	804.1	803.8	804.0	804.3	804.5	804.9	805.8	806.7
177.5°	807.6	806.9	806.2	805.4	805.1	805.2	805.4	805.4	805.5	806.2	807.0
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0



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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°	14.4	14.5	14.2	14.3	14.8	14.3	14.4
90°	13.6	14.3	14.7	15.0	15.2	15.5	15.7
92.5°	14.5	14.8	15.2	15.2	15.4	15.6	15.7
95°	24.7	25.4	25.6	25.4	25.4	25.2	25.1
97.5°	32.0	32.5	32.9	33.0	33.2	33.3	33.5
100°	36.4	37.4	38.1	38.3	38.6	38.8	39.1
102.5°	38.2	39.5	40.4	40.8	41.2	41.5	41.9
105°	39.9	41.3	42.2	42.8	43.3	43.8	44.4
107.5°	45.4	44.0	43.5	44.0	44.6	45.1	45.6
110°	63.2	50.2	44.0	44.5	45.0	45.6	46.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	115.6	68.3	44.8	45.3	45.7	46.1	46.6
115°	179.9	119.8	85.1	75.8	66.4	57.2	47.9
117.5°	355.0	340.5	317.9	287.2	256.6	225.9	195.3
120°	432.2	433.7	425.7	408.2	390.8	373.2	355.8
122.5°	457.8	458.8	457.5	454.1	450.7	447.4	443.9
125°	495.5	496.4	497.1	497.5	497.9	498.2	498.6
127.5°	530.8	532.1	532.9	533.0	533.0	533.1	533.2
130°	553.1	554.5	555.1	555.1	554.9	554.7	554.6
132.5°	574.4	575.6	576.2	576.0	575.9	575.8	575.6
135°	605.2	606.5	607.0	606.7	606.5	606.2	605.9
137.5°	633.7	635.0	635.4	635.0	634.5	634.1	633.6
140°	652.0	653.2	653.5	652.8	652.2	651.5	650.9
142.5°	669.0	670.0	670.3	669.6	669.0	668.3	667.6
145°	692.7	693.6	693.7	693.1	692.4	691.8	691.1
147.5°	713.2	713.9	714.0	713.4	712.8	712.3	711.8
150°	726.1	726.8	726.9	726.3	725.6	725.0	724.3
152.5°	737.8	738.6	738.5	737.7	736.8	736.0	735.1
155°	753.5	754.3	754.2	753.1	752.1	751.1	750.0
157.5°	766.9	767.8	767.7	766.7	765.6	764.7	763.7
160°	774.5	775.3	775.2	774.3	773.4	772.5	771.6
162.5°	781.8	782.7	782.6	781.5	780.3	779.3	778.1
165°	790.7	791.6	791.6	790.7	789.7	788.8	787.9
167.5°	798.0	798.9	798.7	797.6	796.5	795.2	794.1
170°	801.7	802.7	802.5	801.4	800.1	799.0	797.9
172.5°	804.5	805.4	805.3	804.1	803.0	801.8	800.6
175°	807.6	808.5	808.3	807.0	805.7	804.4	803.1
177.5°	807.7	808.5	808.4	807.4	806.5	805.5	804.6
180°	806.0	806.0	806.0	806.0	806.0	806.0	806.0

(END OF REPORT)