

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P999020

Luminaire Tested: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P999020
REPORT IS A COMBINATION OF REPORTS P984769 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

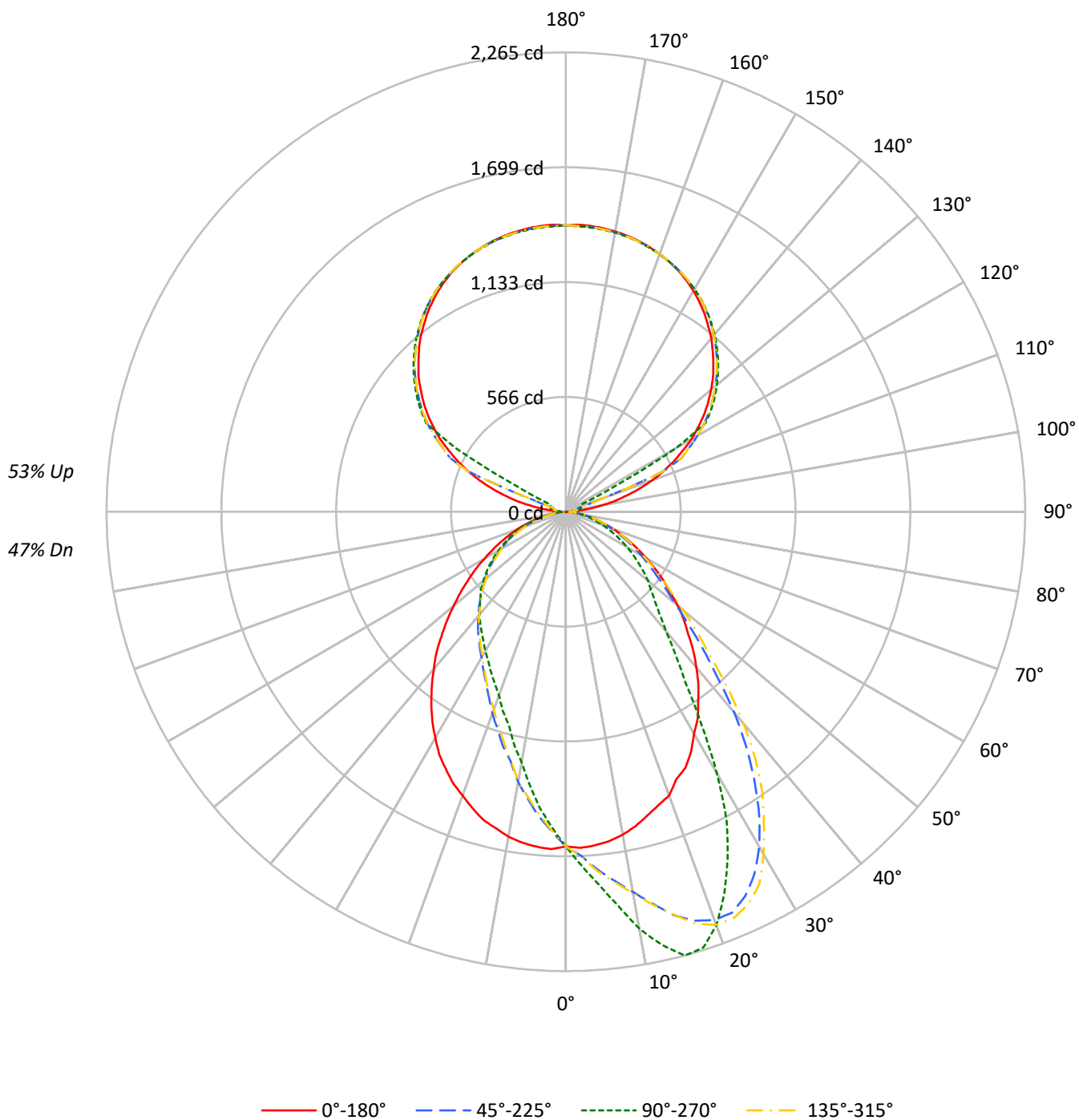
Lumens per Lamp: N/A
Luminaire Lumens: 7781.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 81.8
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53
1	98	93	90	86	89	86	83	80	72	70	68	59	58	56	48	47	46
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39
3	82	73	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34
4	75	64	57	51	69	60	53	48	51	46	42	42	39	36	34	32	30
5	69	58	50	44	63	53	47	41	45	40	36	38	34	31	31	28	26
6	64	52	44	38	58	48	41	36	41	36	32	35	31	27	28	26	23
7	59	47	39	34	54	44	37	32	37	32	28	32	27	24	26	23	21
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26115	26115	26115	26115
5°	26178	27845	26278	22153
10°	25874	30397	26037	18265
15°	25247	32063	25598	15385
20°	24853	30104	24853	13372
25°	24061	25863	24170	11959
30°	22757	20330	23191	10831
35°	21603	14059	21964	9910
40°	20276	10614	20506	9175
45°	18638	8722	18944	8382
50°	17225	7655	17256	7674
55°	15612	6524	15713	6904
60°	13892	5449	14083	6025
65°	12353	4432	12577	5146
70°	10818	3478	11095	4150
75°	9079	2525	9437	3009
80°	7090	1600	7593	1787
85°	4661	804	5015	597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 26997 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	2.0
10°-20°	457.4	5.9
20°-30°	663.8	8.5
30°-40°	699.8	9.0
40°-50°	619.2	8.0
50°-60°	494.4	6.4
60°-70°	335.8	4.3
70°-80°	171.8	2.2
80°-90°	43.1	0.6
90°-100°	46.6	0.6
100°-110°	173.5	2.2
110°-120°	460.2	5.9
120°-130°	763.3	9.8
130°-140°	810.8	10.4
140°-150°	753.6	9.7
150°-160°	605.8	7.8
160°-170°	390.4	5.0
170°-180°	134.4	1.7
0°-30°	1278.3	16.4
0°-40°	1978.1	25.4
0°-60°	3091.7	39.7
0°-90°	3642.5	46.8
90°-120°	680.3	8.7
90°-150°	3007.9	38.7
90°-180°	4139.0	53.2
0°-180°	7781.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1650	1650	1650	1650	1650	
5°	1651	1843	1657	1466	1651	157
15°	1551	2265	1572	1087	1551	438
25°	1394	1887	1400	872	1394	637
35°	1138	1027	1156	724	1138	712
45°	853	619	867	595	853	662
55°	586	435	590	460	586	523
65°	348	268	354	311	348	345
75°	162	132	169	157	162	174
85°	33	34	36	25	33	38
90°	1	28	1	28	1	6
95°	66	44	66	44	66	79
105°	310	78	310	78	310	332
115°	587	84	587	84	587	578
125°	830	873	830	873	830	741
135°	1028	1061	1028	1061	1028	794
145°	1192	1210	1192	1210	1192	746
155°	1313	1314	1313	1314	1313	605
165°	1383	1380	1383	1380	1383	391
175°	1415	1407	1415	1407	1415	135
180°	1412	1412	1412	1412	1412	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8
2.5°	1658.7	1662.5	1668.8	1670.1	1682.8	1692.9	1704.3	1704.3	1708.2	1706.9	1696.7
5°	1651.1	1662.5	1679.0	1692.9	1715.8	1725.9	1741.1	1752.5	1762.7	1770.3	1769.0
7.5°	1638.4	1658.7	1682.8	1709.4	1739.9	1757.6	1779.2	1799.5	1813.4	1826.1	1835.0
10°	1616.8	1651.1	1684.1	1719.6	1758.9	1783.0	1808.3	1835.0	1856.5	1880.6	1903.4
12.5°	1587.7	1637.1	1677.7	1724.6	1772.8	1799.5	1840.0	1860.3	1902.2	1963.0	1979.5
15°	1550.9	1618.1	1656.2	1715.8	1779.2	1800.7	1856.5	1889.5	1975.7	2013.8	2059.4
17.5°	1516.7	1591.5	1642.2	1710.7	1772.8	1814.7	1869.2	1936.4	2008.7	2063.2	2113.9
20°	1488.8	1561.0	1621.9	1698.0	1776.6	1829.9	1887.0	1968.1	2046.7	2102.5	2141.8
22.5°	1425.4	1517.9	1588.9	1673.9	1769.0	1842.6	1897.1	1985.9	2070.8	2105.1	2139.3
25°	1393.7	1473.5	1556.0	1652.4	1763.9	1851.4	1898.4	1997.3	2072.1	2084.8	2092.4
27.5°	1335.3	1425.4	1521.7	1632.1	1762.7	1836.2	1895.8	1985.9	2045.5	2036.6	2013.8
30°	1263.0	1373.4	1479.9	1599.1	1744.9	1824.8	1880.6	1963.0	1993.5	1947.8	1907.2
32.5°	1209.8	1313.8	1431.7	1569.9	1724.6	1800.7	1855.3	1919.9	1926.3	1843.8	1775.4
35°	1137.5	1252.9	1386.0	1531.9	1690.4	1758.9	1809.6	1848.9	1818.5	1703.1	1621.9
37.5°	1072.8	1187.0	1329.0	1477.4	1643.5	1710.7	1751.3	1757.6	1682.8	1581.3	1462.1
40°	1001.8	1119.7	1268.1	1424.1	1591.5	1649.8	1675.2	1656.2	1548.4	1430.4	1292.2
42.5°	930.8	1047.5	1207.2	1367.0	1525.5	1575.0	1585.1	1533.2	1401.3	1263.0	1103.3
45°	853.4	975.2	1135.0	1296.0	1449.5	1477.4	1478.6	1403.8	1247.8	1103.3	954.9
47.5°	790.0	902.9	1061.4	1222.5	1351.8	1370.8	1363.2	1277.0	1107.1	944.7	815.4
50°	720.3	828.1	985.3	1143.8	1254.2	1259.2	1240.2	1117.2	951.1	802.7	700.0
52.5°	645.5	754.5	899.1	1051.3	1150.2	1142.6	1105.8	973.9	817.9	694.9	616.3
55°	585.9	682.2	817.9	966.3	1036.0	1014.5	973.9	839.5	716.5	612.5	544.0
57.5°	519.9	604.9	738.0	867.4	908.0	887.7	847.1	721.6	607.4	528.8	483.2
60°	457.8	535.1	651.8	759.6	791.3	769.7	722.8	610.0	527.5	461.6	427.4
62.5°	400.7	467.9	565.6	664.5	677.2	655.6	615.0	523.7	452.7	400.7	375.4
65°	347.5	410.9	489.5	564.3	575.7	552.9	511.1	445.1	385.5	352.5	328.4
67.5°	295.5	346.2	415.9	470.5	476.8	455.3	421.0	367.8	331.0	295.5	277.7
70°	249.8	287.9	342.4	386.8	389.3	369.0	351.3	303.1	275.2	249.8	235.9
72.5°	205.4	232.1	273.9	306.9	308.2	295.5	279.0	248.6	224.5	206.7	192.8
75°	162.3	185.1	210.5	239.7	238.4	228.3	215.6	196.6	176.3	164.9	158.5
77.5°	124.3	138.2	158.5	177.5	177.5	172.5	164.9	150.9	138.2	126.8	120.5
80°	88.8	97.6	114.1	120.5	123.0	121.7	115.4	105.3	100.2	91.3	88.8
82.5°	57.1	63.4	71.0	77.4	81.2	78.6	77.4	72.3	64.7	62.1	59.6
85°	33.0	35.5	39.3	43.1	44.4	43.1	45.7	41.8	38.0	38.0	36.8
87.5°	13.9	15.2	17.8	17.8	19.0	19.0	17.8	19.0	19.0	17.8	16.5
90°	1.0	3.5	6.0	8.5	11.0	12.3	13.2	15.0	16.8	18.6	20.4
92.5°	25.5	24.6	23.7	22.8	21.9	21.5	21.8	22.5	23.2	23.8	24.5
95°	66.4	58.9	51.4	43.9	36.4	32.7	33.5	35.1	36.6	38.2	39.8
97.5°	119.5	100.9	82.3	63.7	45.1	35.8	37.6	41.2	44.9	48.5	52.1
100°	180.8	149.7	118.6	87.5	56.4	40.9	42.8	46.7	50.5	54.4	58.2
102.5°	248.2	247.8	247.3	246.9	246.4	246.2	225.5	184.2	142.9	101.6	60.3
105°	310.5	317.3	324.1	331.0	337.8	341.2	310.2	248.2	186.3	124.3	62.3
107.5°	383.1	388.8	394.4	400.1	405.8	408.6	370.4	293.9	217.4	140.9	64.4
110°	452.5	457.3	462.1	466.8	471.6	474.0	441.2	375.6	310.0	244.4	178.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	517.9	522.0	526.1	530.2	534.3	536.3	534.4	530.5	526.6	522.8	518.9
115°	587.3	591.2	595.0	598.9	602.8	604.7	607.5	613.2	618.9	624.5	630.2
117.5°	647.6	652.1	656.7	661.2	665.7	668.0	669.9	673.8	677.7	681.5	685.4
120°	715.0	718.4	721.8	725.2	728.6	730.3	732.3	736.4	740.5	744.6	748.7
122.5°	772.2	775.8	779.5	783.1	786.8	788.6	790.9	795.4	799.9	804.5	809.0
125°	830.5	833.4	836.4	839.3	842.2	843.7	845.9	850.2	854.5	858.8	863.1
127.5°	883.6	886.8	890.0	893.1	896.3	897.9	899.6	903.0	906.4	909.8	913.2
130°	933.6	937.2	940.9	944.5	948.2	950.0	951.2	953.7	956.2	958.7	961.2
132.5°	984.7	987.7	990.6	993.6	996.5	998.0	999.2	1001.7	1004.2	1006.7	1009.2
135°	1027.6	1031.2	1034.8	1038.5	1042.1	1043.9	1044.9	1047.0	1049.0	1051.1	1053.1
137.5°	1072.5	1075.2	1078.0	1080.7	1083.4	1084.8	1085.9	1088.2	1090.5	1092.7	1095.0
140°	1116.5	1118.3	1120.1	1121.9	1123.7	1124.6	1125.9	1128.4	1130.9	1133.4	1135.9
142.5°	1153.2	1154.8	1156.4	1158.0	1159.6	1160.4	1161.9	1164.8	1167.8	1170.7	1173.7
145°	1192.1	1191.9	1191.6	1191.4	1191.1	1191.0	1192.9	1196.8	1200.7	1204.5	1208.4
147.5°	1225.8	1225.1	1224.4	1223.7	1223.0	1222.7	1224.6	1228.5	1232.4	1236.2	1240.1
150°	1258.4	1256.8	1255.2	1253.7	1252.1	1251.3	1253.1	1256.7	1260.4	1264.0	1267.6
152.5°	1286.0	1284.2	1282.4	1280.6	1278.8	1277.9	1279.6	1283.0	1286.4	1289.8	1293.2
155°	1312.6	1310.6	1308.5	1306.5	1304.4	1303.4	1304.8	1307.5	1310.2	1313.0	1315.7
157.5°	1334.0	1332.2	1330.4	1328.6	1326.8	1325.9	1326.9	1329.0	1331.0	1333.1	1335.1
160°	1352.4	1351.0	1349.7	1348.3	1347.0	1346.3	1347.0	1348.3	1349.7	1351.0	1352.4
162.5°	1368.8	1367.4	1366.0	1364.7	1363.3	1362.6	1363.2	1364.3	1365.4	1366.6	1367.7
165°	1383.1	1381.7	1380.3	1379.0	1377.6	1376.9	1377.2	1377.9	1378.6	1379.3	1380.0
167.5°	1394.3	1392.9	1391.6	1390.2	1388.9	1388.2	1388.5	1389.2	1389.9	1390.5	1391.2
170°	1403.5	1402.1	1400.8	1399.4	1398.1	1397.4	1397.6	1398.1	1398.5	1399.0	1399.4
172.5°	1409.6	1408.2	1406.9	1405.5	1404.2	1403.5	1403.7	1404.2	1404.6	1405.1	1405.5
175°	1414.7	1413.1	1411.5	1410.0	1408.4	1407.6	1407.8	1408.3	1408.7	1409.2	1409.6
177.5°	1416.8	1415.2	1413.6	1412.0	1410.4	1409.6	1409.7	1409.9	1410.2	1410.4	1410.6
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8
2.5°	1714.5	1715.8	1718.3	1731.0	1737.3	1738.6	1733.5	1744.9	1748.7	1744.9	1742.4
5°	1795.7	1803.3	1818.5	1835.0	1833.7	1835.0	1842.6	1850.2	1852.7	1842.6	1846.4
7.5°	1866.7	1881.9	1898.4	1923.7	1923.7	1936.4	1941.5	1947.8	1963.0	1955.4	1952.9
10°	1947.8	1968.1	1998.5	2039.1	2040.4	2053.1	2065.8	2086.0	2092.4	2087.3	2089.9
12.5°	2049.3	2088.6	2091.1	2135.5	2155.8	2158.3	2178.6	2174.8	2187.5	2187.5	2209.1
15°	2093.7	2154.5	2188.8	2231.9	2244.6	2229.3	2245.8	2263.6	2264.9	2264.9	2263.6
17.5°	2173.5	2197.6	2231.9	2254.7	2259.8	2259.8	2261.0	2268.7	2263.6	2253.4	2261.0
20°	2190.0	2200.2	2212.9	2210.3	2212.9	2200.2	2187.5	2174.8	2176.1	2169.7	2188.8
22.5°	2159.6	2157.1	2127.9	2108.9	2108.9	2083.5	2059.4	2048.0	2036.6	2040.4	2046.7
25°	2083.5	2044.2	2008.7	1980.8	1974.5	1933.9	1900.9	1890.8	1871.7	1887.0	1889.5
27.5°	1961.8	1917.4	1860.3	1836.2	1803.3	1786.8	1763.9	1733.5	1694.2	1717.0	1713.2
30°	1831.2	1765.2	1718.3	1660.0	1608.0	1604.2	1561.0	1510.3	1490.0	1490.0	1501.4
32.5°	1685.3	1597.8	1529.3	1446.9	1396.2	1374.6	1322.6	1271.9	1283.3	1245.3	1259.2
35°	1515.4	1400.0	1313.8	1233.9	1195.8	1170.5	1103.3	1075.4	1044.9	1027.2	1060.1
37.5°	1353.1	1219.9	1109.6	1022.1	1008.2	962.5	916.8	899.1	881.3	888.9	887.7
40°	1155.3	1037.3	938.4	869.9	845.8	824.3	793.8	772.3	760.9	767.2	768.5
42.5°	976.4	877.5	804.0	755.8	735.5	720.3	705.1	687.3	683.5	683.5	688.6
45°	838.2	757.1	707.6	668.3	656.9	645.5	634.1	626.4	623.9	618.8	622.6
47.5°	727.9	663.2	632.8	603.6	590.9	588.4	578.3	574.5	569.4	568.1	569.4
50°	635.3	594.7	566.8	550.4	541.5	537.7	532.6	525.0	522.5	528.8	526.3
52.5°	570.7	532.6	517.4	500.9	495.8	490.8	483.2	484.4	483.2	480.6	480.6
55°	506.0	481.9	466.7	454.0	452.7	447.6	441.3	438.8	437.5	435.0	438.8
57.5°	454.0	435.0	421.0	409.6	404.5	404.5	398.2	393.1	393.1	391.8	393.1
60°	402.0	383.0	374.1	362.7	358.9	357.6	353.8	351.3	347.5	347.5	347.5
62.5°	353.8	338.6	328.4	318.3	319.6	313.2	308.2	305.6	305.6	306.9	306.9
65°	308.2	298.0	285.3	276.4	273.9	272.6	270.1	268.8	265.0	267.6	267.6
67.5°	266.3	252.4	244.7	240.9	237.1	235.9	233.3	230.8	229.5	228.3	230.8
70°	224.5	213.0	206.7	204.2	200.4	199.1	197.8	194.0	195.3	196.6	197.8
72.5°	186.4	176.3	175.0	167.4	167.4	167.4	162.3	164.9	163.6	161.1	163.6
75°	147.1	142.0	139.5	135.7	137.0	135.7	134.4	130.6	130.6	131.9	133.2
77.5°	116.7	111.6	110.3	106.5	104.0	106.5	104.0	102.7	102.7	104.0	104.0
80°	86.2	83.7	79.9	79.9	79.9	78.6	78.6	78.6	77.4	76.1	77.4
82.5°	57.1	57.1	55.8	54.5	55.8	53.3	54.5	54.5	54.5	54.5	54.5
85°	36.8	35.5	35.5	34.2	34.2	34.2	35.5	33.0	33.0	34.2	34.2
87.5°	16.5	16.5	16.5	17.8	16.5	16.5	16.5	17.8	16.5	16.5	16.5
90°	21.5	22.7	23.8	24.9	25.5	25.7	26.2	26.7	27.1	27.6	27.1
92.5°	25.0	25.4	25.9	26.4	26.6	26.7	26.9	27.2	27.4	27.6	27.4
95°	40.9	42.1	43.2	44.3	44.9	44.8	44.6	44.3	44.1	43.9	44.1
97.5°	52.8	53.5	54.2	54.9	55.2	55.3	55.5	55.8	56.0	56.2	56.0
100°	60.0	61.8	63.7	65.5	66.4	66.6	67.1	67.5	68.0	68.4	68.0
102.5°	62.8	65.3	67.8	70.3	71.5	71.8	72.5	73.2	73.9	74.6	73.9
105°	64.8	67.3	69.8	72.3	73.5	74.0	74.9	75.8	76.7	77.6	76.7
107.5°	66.9	69.4	71.9	74.4	75.6	76.1	77.0	77.9	78.8	79.7	78.8
110°	156.1	133.4	110.7	88.0	76.6	77.1	78.0	78.9	79.8	80.7	79.8

TEST NUMBER: P999020

CATALOG NUMBER: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	421.1	323.3	225.4	127.6	78.7	79.0	79.7	80.4	81.0	81.7	81.0
115°	525.1	420.0	314.9	209.8	157.3	149.1	132.8	116.5	100.1	83.8	100.1
117.5°	652.9	620.5	588.0	555.5	539.3	509.6	450.1	390.6	331.2	271.7	331.2
120°	751.4	754.2	756.9	759.6	761.0	745.7	715.0	684.4	653.7	623.1	653.7
122.5°	810.4	811.7	813.1	814.4	815.1	815.2	815.5	815.7	816.0	816.2	816.0
125°	864.7	866.3	867.9	869.5	870.3	870.6	871.3	872.0	872.7	873.4	872.7
127.5°	915.5	917.7	920.0	922.3	923.4	923.5	923.7	924.0	924.2	924.4	924.2
130°	963.7	966.2	968.7	971.2	972.4	972.3	972.1	971.8	971.6	971.4	971.6
132.5°	1011.2	1013.3	1015.3	1017.4	1018.4	1018.3	1018.1	1017.8	1017.6	1017.4	1017.6
135°	1055.4	1057.6	1059.9	1062.2	1063.3	1063.1	1062.6	1062.2	1061.7	1061.3	1061.7
137.5°	1097.3	1099.5	1101.8	1104.1	1105.2	1104.9	1104.2	1103.5	1102.9	1102.2	1102.9
140°	1137.9	1140.0	1142.0	1144.1	1145.1	1144.5	1143.4	1142.3	1141.1	1140.0	1141.1
142.5°	1175.5	1177.3	1179.1	1180.9	1181.8	1181.2	1180.1	1179.0	1177.8	1176.7	1177.8
145°	1210.0	1211.6	1213.1	1214.7	1215.5	1214.9	1213.8	1212.7	1211.5	1210.4	1211.5
147.5°	1241.2	1242.4	1243.5	1244.6	1245.2	1244.7	1243.8	1242.9	1242.0	1241.1	1242.0
150°	1269.0	1270.4	1271.7	1273.1	1273.8	1273.2	1272.1	1271.0	1269.8	1268.7	1269.8
152.5°	1294.6	1295.9	1297.3	1298.6	1299.3	1298.5	1296.9	1295.4	1293.8	1292.2	1293.8
155°	1317.1	1318.4	1319.8	1321.1	1321.8	1320.9	1319.1	1317.2	1315.4	1313.6	1315.4
157.5°	1336.7	1338.3	1339.8	1341.4	1342.2	1341.3	1339.5	1337.6	1335.8	1334.0	1335.8
160°	1353.8	1355.2	1356.5	1357.9	1358.6	1357.8	1356.2	1354.6	1353.0	1351.4	1353.0
162.5°	1369.3	1370.9	1372.5	1374.1	1374.9	1373.9	1371.8	1369.8	1367.7	1365.7	1367.7
165°	1381.6	1383.2	1384.8	1386.4	1387.2	1386.4	1384.8	1383.2	1381.6	1380.0	1381.6
167.5°	1392.8	1394.4	1396.0	1397.6	1398.4	1397.4	1395.3	1393.3	1391.2	1389.2	1391.2
170°	1401.0	1402.6	1404.2	1405.8	1406.6	1405.6	1403.5	1401.5	1399.4	1397.4	1399.4
172.5°	1407.1	1408.7	1410.3	1411.9	1412.7	1411.7	1409.6	1407.6	1405.5	1403.5	1405.5
175°	1411.2	1412.8	1414.4	1416.0	1416.8	1415.7	1413.4	1411.1	1408.9	1406.6	1408.9
177.5°	1412.2	1413.8	1415.4	1417.0	1417.8	1416.8	1414.7	1412.7	1410.6	1408.6	1410.6
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8
2.5°	1748.7	1739.9	1732.2	1733.5	1739.9	1734.8	1722.1	1705.6	1699.3	1691.7	1699.3
5°	1854.0	1846.4	1831.2	1832.4	1828.6	1823.5	1803.3	1777.9	1777.9	1757.6	1755.1
7.5°	1958.0	1946.6	1936.4	1933.9	1919.9	1909.8	1892.0	1856.5	1842.6	1818.5	1804.5
10°	2074.6	2065.8	2054.3	2040.4	2032.8	2015.0	1985.9	1933.9	1908.5	1875.5	1851.4
12.5°	2192.6	2191.3	2165.9	2138.0	2136.8	2108.9	2088.6	2018.8	1984.6	1940.2	1883.2
15°	2267.4	2261.0	2247.1	2233.2	2237.0	2206.5	2160.9	2078.4	2055.6	2002.4	1941.5
17.5°	2266.1	2266.1	2262.3	2259.8	2256.0	2247.1	2221.7	2167.2	2130.4	2063.2	2006.2
20°	2193.8	2210.3	2214.1	2212.9	2225.5	2231.9	2230.6	2196.4	2167.2	2107.6	2049.3
22.5°	2049.3	2087.3	2103.8	2113.9	2140.6	2154.5	2187.5	2174.8	2167.2	2122.8	2073.4
25°	1914.9	1927.5	1977.0	1979.5	2016.3	2050.5	2083.5	2105.1	2133.0	2116.5	2074.6
27.5°	1741.1	1770.3	1805.8	1832.4	1840.0	1909.8	1964.3	2004.9	2068.3	2073.4	2059.4
30°	1544.6	1558.5	1616.8	1652.4	1692.9	1743.7	1822.3	1892.0	1949.1	2001.1	2018.8
32.5°	1304.9	1362.0	1396.2	1439.3	1474.8	1564.9	1661.2	1751.3	1817.2	1904.7	1942.8
35°	1085.5	1129.9	1188.2	1206.0	1270.7	1346.7	1472.3	1587.7	1687.9	1776.6	1854.0
37.5°	904.2	939.7	1001.8	1029.7	1067.8	1165.4	1270.7	1413.9	1534.4	1643.5	1739.9
40°	779.9	806.5	853.4	862.3	894.0	982.8	1067.8	1202.2	1362.0	1509.1	1614.3
42.5°	694.9	707.6	739.3	750.7	771.0	830.6	906.7	1033.5	1181.9	1334.1	1482.4
45°	634.1	642.9	662.0	672.1	697.5	724.1	786.2	887.7	1004.3	1157.8	1317.6
47.5°	579.5	590.9	598.6	604.9	618.8	648.0	688.6	763.4	875.0	1015.8	1170.5
50°	533.9	537.7	551.6	552.9	561.8	580.8	618.8	664.5	753.3	867.4	1017.0
52.5°	488.2	492.0	500.9	509.8	513.6	528.8	554.2	592.2	658.2	748.2	881.3
55°	442.6	447.6	456.5	462.9	466.7	479.3	494.6	531.3	583.3	646.7	755.8
57.5°	396.9	408.3	410.9	414.7	421.0	435.0	448.9	470.5	511.1	569.4	649.3
60°	353.8	357.6	366.5	370.3	376.6	384.2	402.0	418.5	447.6	493.3	565.6
62.5°	309.4	318.3	322.1	325.9	331.0	339.9	351.3	369.0	394.4	431.2	488.2
65°	271.4	272.6	280.3	285.3	290.4	296.7	308.2	324.6	339.9	374.1	415.9
67.5°	234.6	237.1	239.7	244.7	251.1	257.4	267.6	276.4	295.5	318.3	351.3
70°	199.1	199.1	205.4	209.2	208.0	215.6	223.2	233.3	247.3	268.8	295.5
72.5°	167.4	166.1	171.2	172.5	175.0	180.1	185.1	195.3	202.9	219.4	239.7
75°	133.2	135.7	138.2	138.2	142.0	145.8	150.9	156.0	164.9	175.0	190.2
77.5°	105.3	105.3	107.8	109.1	112.9	111.6	116.7	121.7	128.1	137.0	148.4
80°	77.4	79.9	79.9	79.9	81.2	82.4	87.5	91.3	95.1	101.4	106.5
82.5°	54.5	54.5	57.1	57.1	57.1	59.6	59.6	60.9	63.4	67.2	71.0
85°	34.2	34.2	34.2	35.5	34.2	35.5	38.0	36.8	38.0	40.6	40.6
87.5°	16.5	16.5	16.5	16.5	16.5	17.8	16.5	17.8	19.0	19.0	19.0
90°	26.7	26.2	25.7	25.5	24.9	23.8	22.7	21.5	20.4	18.6	16.8
92.5°	27.2	26.9	26.7	26.6	26.4	25.9	25.4	25.0	24.5	23.8	23.2
95°	44.3	44.6	44.8	44.9	44.3	43.2	42.1	40.9	39.8	38.2	36.6
97.5°	55.8	55.5	55.3	55.2	54.9	54.2	53.5	52.8	52.1	48.5	44.9
100°	67.5	67.1	66.6	66.4	65.5	63.7	61.8	60.0	58.2	54.4	50.5
102.5°	73.2	72.5	71.8	71.5	70.3	67.8	65.3	62.8	60.3	101.6	142.9
105°	75.8	74.9	74.0	73.5	72.3	69.8	67.3	64.8	62.3	124.3	186.3
107.5°	77.9	77.0	76.1	75.6	74.4	71.9	69.4	66.9	64.4	140.9	217.4
110°	78.9	78.0	77.1	76.6	88.0	110.7	133.4	156.1	178.8	244.4	310.0

TEST NUMBER: P999020

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	80.4	79.7	79.0	78.7	127.6	225.4	323.3	421.1	518.9	522.8	526.6
115°	116.5	132.8	149.1	157.3	209.8	314.9	420.0	525.1	630.2	624.5	618.9
117.5°	390.6	450.1	509.6	539.3	555.5	588.0	620.5	652.9	685.4	681.5	677.7
120°	684.4	715.0	745.7	761.0	759.6	756.9	754.2	751.4	748.7	744.6	740.5
122.5°	815.7	815.5	815.2	815.1	814.4	813.1	811.7	810.4	809.0	804.5	799.9
125°	872.0	871.3	870.6	870.3	869.5	867.9	866.3	864.7	863.1	858.8	854.5
127.5°	924.0	923.7	923.5	923.4	922.3	920.0	917.7	915.5	913.2	909.8	906.4
130°	971.8	972.1	972.3	972.4	971.2	968.7	966.2	963.7	961.2	958.7	956.2
132.5°	1017.8	1018.1	1018.3	1018.4	1017.4	1015.3	1013.3	1011.2	1009.2	1006.7	1004.2
135°	1062.2	1062.6	1063.1	1063.3	1062.2	1059.9	1057.6	1055.4	1053.1	1051.1	1049.0
137.5°	1103.5	1104.2	1104.9	1105.2	1104.1	1101.8	1099.5	1097.3	1095.0	1092.7	1090.5
140°	1142.3	1143.4	1144.5	1145.1	1144.1	1142.0	1140.0	1137.9	1135.9	1133.4	1130.9
142.5°	1179.0	1180.1	1181.2	1181.8	1180.9	1179.1	1177.3	1175.5	1173.7	1170.7	1167.8
145°	1212.7	1213.8	1214.9	1215.5	1214.7	1213.1	1211.6	1210.0	1208.4	1204.5	1200.7
147.5°	1242.9	1243.8	1244.7	1245.2	1244.6	1243.5	1242.4	1241.2	1240.1	1236.2	1232.4
150°	1271.0	1272.1	1273.2	1273.8	1273.1	1271.7	1270.4	1269.0	1267.6	1264.0	1260.4
152.5°	1295.4	1296.9	1298.5	1299.3	1298.6	1297.3	1295.9	1294.6	1293.2	1289.8	1286.4
155°	1317.2	1319.1	1320.9	1321.8	1321.1	1319.8	1318.4	1317.1	1315.7	1313.0	1310.2
157.5°	1337.6	1339.5	1341.3	1342.2	1341.4	1339.8	1338.3	1336.7	1335.1	1333.1	1331.0
160°	1354.6	1356.2	1357.8	1358.6	1357.9	1356.5	1355.2	1353.8	1352.4	1351.0	1349.7
162.5°	1369.8	1371.8	1373.9	1374.9	1374.1	1372.5	1370.9	1369.3	1367.7	1366.6	1365.4
165°	1383.2	1384.8	1386.4	1387.2	1386.4	1384.8	1383.2	1381.6	1380.0	1379.3	1378.6
167.5°	1393.3	1395.3	1397.4	1398.4	1397.6	1396.0	1394.4	1392.8	1391.2	1390.5	1389.9
170°	1401.5	1403.5	1405.6	1406.6	1405.8	1404.2	1402.6	1401.0	1399.4	1399.0	1398.5
172.5°	1407.6	1409.6	1411.7	1412.7	1411.9	1410.3	1408.7	1407.1	1405.5	1405.1	1404.6
175°	1411.1	1413.4	1415.7	1416.8	1416.0	1414.4	1412.8	1411.2	1409.6	1409.2	1408.7
177.5°	1412.7	1414.7	1416.8	1417.8	1417.0	1415.4	1413.8	1412.2	1410.6	1410.4	1410.2
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

TEST NUMBER: P999020

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8
2.5°	1692.9	1686.6	1682.8	1685.3	1677.7	1658.7	1658.7	1665.0	1657.4	1649.8	1638.4
5°	1739.9	1727.2	1719.6	1718.3	1700.5	1670.1	1663.8	1657.4	1640.9	1623.2	1604.2
7.5°	1785.5	1762.7	1750.0	1741.1	1715.8	1676.4	1660.0	1646.0	1619.4	1592.8	1568.7
10°	1823.5	1790.6	1775.4	1761.4	1728.4	1679.0	1652.4	1627.0	1592.8	1558.5	1528.1
12.5°	1854.0	1815.9	1796.9	1776.6	1736.0	1671.4	1638.4	1597.8	1563.6	1517.9	1487.5
15°	1904.7	1826.1	1808.3	1789.3	1747.5	1658.7	1618.1	1572.5	1525.5	1464.7	1431.7
17.5°	1945.3	1840.0	1838.8	1798.2	1743.7	1653.6	1591.5	1531.9	1481.2	1420.3	1368.3
20°	1969.4	1861.6	1841.3	1799.5	1731.0	1619.4	1554.7	1488.8	1434.2	1360.7	1308.7
22.5°	1989.7	1892.0	1838.8	1788.0	1704.3	1608.0	1512.9	1450.7	1375.9	1296.0	1246.6
25°	1997.3	1898.4	1842.6	1784.2	1685.3	1575.0	1467.2	1400.0	1316.3	1244.0	1176.8
27.5°	1998.5	1897.1	1828.6	1767.8	1658.7	1531.9	1421.6	1350.5	1258.0	1174.3	1107.1
30°	1985.9	1883.2	1821.0	1755.1	1633.3	1492.6	1365.8	1287.1	1188.2	1104.5	1034.8
32.5°	1947.8	1855.3	1804.5	1732.2	1600.4	1438.0	1312.5	1225.0	1121.0	1038.6	971.4
35°	1884.4	1821.0	1765.2	1698.0	1557.2	1387.3	1259.2	1156.5	1051.3	972.6	909.2
37.5°	1805.8	1771.6	1719.6	1653.6	1507.8	1341.7	1199.6	1085.5	980.3	904.2	842.0
40°	1699.3	1708.2	1657.4	1597.8	1449.5	1279.5	1122.3	1013.2	914.3	843.3	782.4
42.5°	1583.9	1620.7	1591.5	1534.4	1384.8	1211.0	1065.2	944.7	848.4	774.8	724.1
45°	1459.6	1523.0	1505.3	1463.4	1317.6	1138.8	984.1	867.4	782.4	711.4	667.0
47.5°	1323.9	1413.9	1413.9	1383.5	1242.8	1066.5	914.3	795.1	711.4	660.7	617.6
50°	1185.7	1287.1	1303.6	1283.3	1159.1	984.1	829.3	721.6	649.3	599.8	568.1
52.5°	1041.1	1159.1	1189.5	1179.3	1070.3	905.4	759.6	654.3	588.4	545.3	517.4
55°	902.9	1039.9	1072.8	1076.6	975.2	819.2	682.2	589.7	526.3	497.1	473.0
57.5°	772.3	904.2	940.9	947.3	878.8	740.6	610.0	528.8	471.7	447.6	428.6
60°	660.7	771.0	819.2	833.2	773.6	649.3	542.8	464.1	421.0	398.2	380.4
62.5°	569.4	658.2	708.9	712.7	686.1	569.4	473.0	407.1	370.3	350.0	341.1
65°	480.6	560.5	590.9	606.2	584.6	493.3	408.3	353.8	324.6	306.9	298.0
67.5°	409.6	460.3	485.7	506.0	484.4	415.9	347.5	303.1	281.5	263.8	258.7
70°	336.1	377.9	396.9	417.2	398.2	346.2	296.7	256.2	237.1	223.2	216.8
72.5°	268.8	301.8	319.6	332.2	320.8	277.7	237.1	209.2	195.3	185.1	181.3
75°	213.0	235.9	246.0	254.9	249.8	216.8	191.5	168.7	156.0	147.1	144.6
77.5°	162.3	178.8	190.2	192.8	186.4	164.9	143.3	129.3	119.2	114.1	111.6
80°	115.4	125.5	131.9	135.7	129.3	120.5	105.3	95.1	86.2	79.9	78.6
82.5°	77.4	82.4	87.5	86.2	83.7	76.1	67.2	62.1	58.3	53.3	53.3
85°	44.4	45.7	48.2	49.5	48.2	43.1	38.0	35.5	33.0	29.2	29.2
87.5°	19.0	20.3	20.3	21.6	19.0	19.0	16.5	13.9	13.9	12.7	11.4
90°	15.0	13.2	12.3	11.0	8.5	6.0	3.5	1.0	3.5	6.0	8.5
92.5°	22.5	21.8	21.5	21.9	22.8	23.7	24.6	25.5	24.6	23.7	22.8
95°	35.1	33.5	32.7	36.4	43.9	51.4	58.9	66.4	58.9	51.4	43.9
97.5°	41.2	37.6	35.8	45.1	63.7	82.3	100.9	119.5	100.9	82.3	63.7
100°	46.7	42.8	40.9	56.4	87.5	118.6	149.7	180.8	149.7	118.6	87.5
102.5°	184.2	225.5	246.2	246.4	246.9	247.3	247.8	248.2	247.8	247.3	246.9
105°	248.2	310.2	341.2	337.8	331.0	324.1	317.3	310.5	317.3	324.1	331.0
107.5°	293.9	370.4	408.6	405.8	400.1	394.4	388.8	383.1	388.8	394.4	400.1
110°	375.6	441.2	474.0	471.6	466.8	462.1	457.3	452.5	457.3	462.1	466.8

TEST NUMBER: P999020

CATALOG NUMBER: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	530.5	534.4	536.3	534.3	530.2	526.1	522.0	517.9	522.0	526.1	530.2
115°	613.2	607.5	604.7	602.8	598.9	595.0	591.2	587.3	591.2	595.0	598.9
117.5°	673.8	669.9	668.0	665.7	661.2	656.7	652.1	647.6	652.1	656.7	661.2
120°	736.4	732.3	730.3	728.6	725.2	721.8	718.4	715.0	718.4	721.8	725.2
122.5°	795.4	790.9	788.6	786.8	783.1	779.5	775.8	772.2	775.8	779.5	783.1
125°	850.2	845.9	843.7	842.2	839.3	836.4	833.4	830.5	833.4	836.4	839.3
127.5°	903.0	899.6	897.9	896.3	893.1	890.0	886.8	883.6	886.8	890.0	893.1
130°	953.7	951.2	950.0	948.2	944.5	940.9	937.2	933.6	937.2	940.9	944.5
132.5°	1001.7	999.2	998.0	996.5	993.6	990.6	987.7	984.7	987.7	990.6	993.6
135°	1047.0	1044.9	1043.9	1042.1	1038.5	1034.8	1031.2	1027.6	1031.2	1034.8	1038.5
137.5°	1088.2	1085.9	1084.8	1083.4	1080.7	1078.0	1075.2	1072.5	1075.2	1078.0	1080.7
140°	1128.4	1125.9	1124.6	1123.7	1121.9	1120.1	1118.3	1116.5	1118.3	1120.1	1121.9
142.5°	1164.8	1161.9	1160.4	1159.6	1158.0	1156.4	1154.8	1153.2	1154.8	1156.4	1158.0
145°	1196.8	1192.9	1191.0	1191.1	1191.4	1191.6	1191.9	1192.1	1191.9	1191.6	1191.4
147.5°	1228.5	1224.6	1222.7	1223.0	1223.7	1224.4	1225.1	1225.8	1225.1	1224.4	1223.7
150°	1256.7	1253.1	1251.3	1252.1	1253.7	1255.2	1256.8	1258.4	1256.8	1255.2	1253.7
152.5°	1283.0	1279.6	1277.9	1278.8	1280.6	1282.4	1284.2	1286.0	1284.2	1282.4	1280.6
155°	1307.5	1304.8	1303.4	1304.4	1306.5	1308.5	1310.6	1312.6	1310.6	1308.5	1306.5
157.5°	1329.0	1326.9	1325.9	1326.8	1328.6	1330.4	1332.2	1334.0	1332.2	1330.4	1328.6
160°	1348.3	1347.0	1346.3	1347.0	1348.3	1349.7	1351.0	1352.4	1351.0	1349.7	1348.3
162.5°	1364.3	1363.2	1362.6	1363.3	1364.7	1366.0	1367.4	1368.8	1367.4	1366.0	1364.7
165°	1377.9	1377.2	1376.9	1377.6	1379.0	1380.3	1381.7	1383.1	1381.7	1380.3	1379.0
167.5°	1389.2	1388.5	1388.2	1388.9	1390.2	1391.6	1392.9	1394.3	1392.9	1391.6	1390.2
170°	1398.1	1397.6	1397.4	1398.1	1399.4	1400.8	1402.1	1403.5	1402.1	1400.8	1399.4
172.5°	1404.2	1403.7	1403.5	1404.2	1405.5	1406.9	1408.2	1409.6	1408.2	1406.9	1405.5
175°	1408.3	1407.8	1407.6	1408.4	1410.0	1411.5	1413.1	1414.7	1413.1	1411.5	1410.0
177.5°	1409.9	1409.7	1409.6	1410.4	1412.0	1413.6	1415.2	1416.8	1415.2	1413.6	1412.0
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

TEST NUMBER: P999020

CATALOG NUMBER: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8
2.5°	1632.1	1638.4	1637.1	1624.5	1610.5	1599.1	1577.5	1580.1	1572.5	1573.7	1581.3
5°	1591.5	1591.5	1586.4	1568.7	1545.8	1533.2	1509.1	1502.7	1487.5	1486.2	1485.0
7.5°	1548.4	1542.0	1535.7	1510.3	1482.4	1462.1	1429.2	1421.6	1406.3	1396.2	1391.1
10°	1497.6	1488.8	1476.1	1446.9	1412.7	1387.3	1353.1	1342.9	1313.8	1301.1	1293.5
12.5°	1441.8	1436.8	1416.5	1392.4	1336.6	1308.7	1259.2	1269.4	1240.2	1214.9	1211.0
15°	1386.0	1367.0	1355.6	1316.3	1249.1	1236.4	1197.1	1176.8	1150.2	1129.9	1129.9
17.5°	1331.5	1302.4	1277.0	1235.1	1185.7	1150.2	1121.0	1110.9	1077.9	1057.6	1053.8
20°	1259.2	1226.3	1219.9	1160.3	1126.1	1086.8	1058.9	1033.5	1009.4	1000.5	994.2
22.5°	1190.8	1152.7	1142.6	1091.8	1057.6	1018.3	990.4	972.6	954.9	948.5	937.1
25°	1117.2	1094.4	1079.2	1024.6	986.6	949.8	930.8	918.1	901.6	900.4	892.8
27.5°	1046.2	1024.6	1009.4	957.4	929.5	895.3	880.1	866.1	857.2	853.4	849.6
30°	985.3	961.2	943.5	905.4	871.2	843.3	830.6	821.7	816.7	810.3	809.1
32.5°	918.1	904.2	880.1	850.9	824.3	797.6	790.0	783.7	776.1	773.6	772.3
35°	861.1	842.0	826.8	793.8	782.4	759.6	750.7	745.7	735.5	733.0	730.4
37.5°	805.3	787.5	771.0	750.7	729.2	716.5	711.4	703.8	698.7	700.0	697.5
40°	749.5	735.5	722.8	701.3	688.6	682.2	672.1	664.5	662.0	663.2	662.0
42.5°	694.9	682.2	674.6	658.2	645.5	639.1	632.8	625.2	629.0	629.0	632.8
45°	645.5	634.1	629.0	616.3	608.7	598.6	592.2	590.9	596.0	594.7	594.7
47.5°	594.7	590.9	584.6	573.2	563.0	556.7	555.4	555.4	560.5	563.0	561.8
50°	555.4	547.8	540.2	531.3	523.7	521.2	517.4	519.9	525.0	525.0	527.5
52.5°	506.0	500.9	498.4	490.8	485.7	485.7	485.7	487.0	490.8	494.6	493.3
55°	462.9	459.1	456.5	452.7	446.4	447.6	446.4	448.9	452.7	456.5	459.1
57.5°	417.2	415.9	413.4	407.1	407.1	405.8	409.6	410.9	417.2	419.7	423.6
60°	376.6	372.8	372.8	367.8	367.8	367.8	371.6	375.4	380.4	381.7	384.2
62.5°	333.5	333.5	332.2	328.4	328.4	332.2	333.5	338.6	341.1	341.1	344.9
65°	292.9	291.7	290.4	291.7	292.9	292.9	296.7	299.3	301.8	303.1	304.3
67.5°	252.4	251.1	253.6	252.4	254.9	260.0	258.7	262.5	266.3	266.3	267.6
70°	214.3	216.8	215.6	218.1	216.8	219.4	223.2	224.5	224.5	225.7	229.5
72.5°	178.8	178.8	178.8	177.5	178.8	181.3	183.9	185.1	187.7	188.9	192.8
75°	144.6	144.6	142.0	144.6	144.6	147.1	149.6	149.6	149.6	152.2	156.0
77.5°	109.1	110.3	109.1	111.6	111.6	112.9	115.4	114.1	116.7	117.9	119.2
80°	79.9	78.6	78.6	78.6	79.9	79.9	82.4	83.7	83.7	87.5	85.0
82.5°	50.7	52.0	50.7	52.0	52.0	53.3	52.0	53.3	54.5	57.1	55.8
85°	29.2	27.9	27.9	29.2	27.9	27.9	29.2	27.9	29.2	27.9	29.2
87.5°	11.4	10.1	10.1	10.1	10.1	8.9	8.9	7.6	7.6	7.6	6.3
90°	11.0	12.3	13.2	15.0	16.8	18.6	20.4	21.5	22.7	23.8	24.9
92.5°	21.9	21.5	21.8	22.5	23.2	23.8	24.5	25.0	25.4	25.9	26.4
95°	36.4	32.7	33.5	35.1	36.6	38.2	39.8	40.9	42.1	43.2	44.3
97.5°	45.1	35.8	37.6	41.2	44.9	48.5	52.1	52.8	53.5	54.2	54.9
100°	56.4	40.9	42.8	46.7	50.5	54.4	58.2	60.0	61.8	63.7	65.5
102.5°	246.4	246.2	225.5	184.2	142.9	101.6	60.3	62.8	65.3	67.8	70.3
105°	337.8	341.2	310.2	248.2	186.3	124.3	62.3	64.8	67.3	69.8	72.3
107.5°	405.8	408.6	370.4	293.9	217.4	140.9	64.4	66.9	69.4	71.9	74.4
110°	471.6	474.0	441.2	375.6	310.0	244.4	178.8	156.1	133.4	110.7	88.0

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	534.3	536.3	534.4	530.5	526.6	522.8	518.9	421.1	323.3	225.4	127.6
115°	602.8	604.7	607.5	613.2	618.9	624.5	630.2	525.1	420.0	314.9	209.8
117.5°	665.7	668.0	669.9	673.8	677.7	681.5	685.4	652.9	620.5	588.0	555.5
120°	728.6	730.3	732.3	736.4	740.5	744.6	748.7	751.4	754.2	756.9	759.6
122.5°	786.8	788.6	790.9	795.4	799.9	804.5	809.0	810.4	811.7	813.1	814.4
125°	842.2	843.7	845.9	850.2	854.5	858.8	863.1	864.7	866.3	867.9	869.5
127.5°	896.3	897.9	899.6	903.0	906.4	909.8	913.2	915.5	917.7	920.0	922.3
130°	948.2	950.0	951.2	953.7	956.2	958.7	961.2	963.7	966.2	968.7	971.2
132.5°	996.5	998.0	999.2	1001.7	1004.2	1006.7	1009.2	1011.2	1013.3	1015.3	1017.4
135°	1042.1	1043.9	1044.9	1047.0	1049.0	1051.1	1053.1	1055.4	1057.6	1059.9	1062.2
137.5°	1083.4	1084.8	1085.9	1088.2	1090.5	1092.7	1095.0	1097.3	1099.5	1101.8	1104.1
140°	1123.7	1124.6	1125.9	1128.4	1130.9	1133.4	1135.9	1137.9	1140.0	1142.0	1144.1
142.5°	1159.6	1160.4	1161.9	1164.8	1167.8	1170.7	1173.7	1175.5	1177.3	1179.1	1180.9
145°	1191.1	1191.0	1192.9	1196.8	1200.7	1204.5	1208.4	1210.0	1211.6	1213.1	1214.7
147.5°	1223.0	1222.7	1224.6	1228.5	1232.4	1236.2	1240.1	1241.2	1242.4	1243.5	1244.6
150°	1252.1	1251.3	1253.1	1256.7	1260.4	1264.0	1267.6	1269.0	1270.4	1271.7	1273.1
152.5°	1278.8	1277.9	1279.6	1283.0	1286.4	1289.8	1293.2	1294.6	1295.9	1297.3	1298.6
155°	1304.4	1303.4	1304.8	1307.5	1310.2	1313.0	1315.7	1317.1	1318.4	1319.8	1321.1
157.5°	1326.8	1325.9	1326.9	1329.0	1331.0	1333.1	1335.1	1336.7	1338.3	1339.8	1341.4
160°	1347.0	1346.3	1347.0	1348.3	1349.7	1351.0	1352.4	1353.8	1355.2	1356.5	1357.9
162.5°	1363.3	1362.6	1363.2	1364.3	1365.4	1366.6	1367.7	1369.3	1370.9	1372.5	1374.1
165°	1377.6	1376.9	1377.2	1377.9	1378.6	1379.3	1380.0	1381.6	1383.2	1384.8	1386.4
167.5°	1388.9	1388.2	1388.5	1389.2	1389.9	1390.5	1391.2	1392.8	1394.4	1396.0	1397.6
170°	1398.1	1397.4	1397.6	1398.1	1398.5	1399.0	1399.4	1401.0	1402.6	1404.2	1405.8
172.5°	1404.2	1403.5	1403.7	1404.2	1404.6	1405.1	1405.5	1407.1	1408.7	1410.3	1411.9
175°	1408.4	1407.6	1407.8	1408.3	1408.7	1409.2	1409.6	1411.2	1412.8	1414.4	1416.0
177.5°	1410.4	1409.6	1409.7	1409.9	1410.2	1410.4	1410.6	1412.2	1413.8	1415.4	1417.0
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8
2.5°	1572.5	1576.3	1567.4	1564.9	1567.4	1558.5	1561.0	1563.6	1563.6	1567.4	1569.9
5°	1481.2	1476.1	1467.2	1464.7	1462.1	1465.9	1463.4	1467.2	1468.5	1477.4	1478.6
7.5°	1391.1	1383.5	1375.9	1368.3	1365.8	1359.4	1365.8	1365.8	1374.6	1372.1	1378.4
10°	1284.6	1283.3	1273.2	1269.4	1264.3	1254.2	1268.1	1264.3	1270.7	1282.1	1284.6
12.5°	1206.0	1192.0	1198.4	1180.6	1187.0	1176.8	1178.1	1178.1	1188.2	1189.5	1187.0
15°	1131.2	1119.7	1103.3	1095.7	1091.8	1086.8	1103.3	1104.5	1096.9	1114.7	1108.3
17.5°	1055.1	1055.1	1039.9	1036.0	1025.9	1031.0	1028.4	1029.7	1027.2	1039.9	1046.2
20°	989.1	982.8	977.7	979.0	966.3	963.8	961.2	963.8	972.6	981.5	984.1
22.5°	935.9	932.1	919.4	921.9	911.8	915.6	913.0	919.4	920.7	920.7	929.5
25°	885.1	880.1	881.3	876.3	872.5	872.5	868.7	872.5	877.5	880.1	881.3
27.5°	847.1	843.3	837.0	833.2	835.7	829.3	834.4	838.2	838.2	835.7	838.2
30°	801.4	804.0	804.0	791.3	796.4	793.8	797.6	800.2	800.2	801.4	798.9
32.5°	771.0	763.4	762.1	760.9	760.9	755.8	755.8	759.6	760.9	762.1	765.9
35°	730.4	730.4	724.1	727.9	722.8	724.1	722.8	724.1	726.6	722.8	726.6
37.5°	693.7	694.9	692.4	694.9	696.2	693.7	691.1	696.2	693.7	693.7	691.1
40°	662.0	660.7	662.0	662.0	662.0	663.2	660.7	660.7	660.7	658.2	655.6
42.5°	635.3	627.7	630.3	631.5	627.7	627.7	629.0	627.7	631.5	623.9	623.9
45°	597.3	594.7	596.0	596.0	598.6	594.7	597.3	598.6	594.7	593.5	590.9
47.5°	563.0	565.6	563.0	565.6	565.6	568.1	563.0	564.3	565.6	560.5	556.7
50°	528.8	528.8	532.6	531.3	532.6	530.1	530.1	528.8	530.1	527.5	523.7
52.5°	497.1	493.3	499.6	498.4	497.1	495.8	494.6	495.8	493.3	490.8	490.8
55°	457.8	457.8	461.6	462.9	462.9	460.3	457.8	459.1	457.8	456.5	455.3
57.5°	426.1	421.0	423.6	424.8	424.8	421.0	423.6	421.0	421.0	422.3	418.5
60°	385.5	385.5	383.0	386.8	386.8	384.2	384.2	385.5	383.0	381.7	380.4
62.5°	342.4	343.7	347.5	348.7	350.0	347.5	344.9	346.2	346.2	342.4	343.7
65°	305.6	308.2	313.2	312.0	309.4	310.7	308.2	309.4	305.6	306.9	303.1
67.5°	270.1	268.8	270.1	270.1	272.6	271.4	268.8	268.8	267.6	271.4	267.6
70°	232.1	232.1	232.1	232.1	233.3	234.6	232.1	229.5	230.8	228.3	227.0
72.5°	192.8	194.0	192.8	195.3	191.5	194.0	194.0	192.8	191.5	191.5	191.5
75°	156.0	158.5	154.7	156.0	154.7	157.2	156.0	156.0	153.4	152.2	153.4
77.5°	119.2	120.5	117.9	119.2	117.9	119.2	119.2	117.9	117.9	117.9	117.9
80°	85.0	86.2	85.0	83.7	82.4	85.0	82.4	83.7	85.0	83.7	86.2
82.5°	54.5	54.5	53.3	54.5	52.0	52.0	53.3	53.3	52.0	54.5	52.0
85°	26.6	26.6	29.2	26.6	25.4	25.4	25.4	26.6	25.4	27.9	26.6
87.5°	6.3	5.1	6.3	6.3	5.1	5.1	6.3	5.1	6.3	7.6	5.1
90°	25.5	25.7	26.2	26.7	27.1	27.6	27.1	26.7	26.2	25.7	25.5
92.5°	26.6	26.7	26.9	27.2	27.4	27.6	27.4	27.2	26.9	26.7	26.6
95°	44.9	44.8	44.6	44.3	44.1	43.9	44.1	44.3	44.6	44.8	44.9
97.5°	55.2	55.3	55.5	55.8	56.0	56.2	56.0	55.8	55.5	55.3	55.2
100°	66.4	66.6	67.1	67.5	68.0	68.4	68.0	67.5	67.1	66.6	66.4
102.5°	71.5	71.8	72.5	73.2	73.9	74.6	73.9	73.2	72.5	71.8	71.5
105°	73.5	74.0	74.9	75.8	76.7	77.6	76.7	75.8	74.9	74.0	73.5
107.5°	75.6	76.1	77.0	77.9	78.8	79.7	78.8	77.9	77.0	76.1	75.6
110°	76.6	77.1	78.0	78.9	79.8	80.7	79.8	78.9	78.0	77.1	76.6

TEST NUMBER: P999020

CATALOG NUMBER: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	78.7	79.0	79.7	80.4	81.0	81.7	81.0	80.4	79.7	79.0	78.7
115°	157.3	149.1	132.8	116.5	100.1	83.8	100.1	116.5	132.8	149.1	157.3
117.5°	539.3	509.6	450.1	390.6	331.2	271.7	331.2	390.6	450.1	509.6	539.3
120°	761.0	745.7	715.0	684.4	653.7	623.1	653.7	684.4	715.0	745.7	761.0
122.5°	815.1	815.2	815.5	815.7	816.0	816.2	816.0	815.7	815.5	815.2	815.1
125°	870.3	870.6	871.3	872.0	872.7	873.4	872.7	872.0	871.3	870.6	870.3
127.5°	923.4	923.5	923.7	924.0	924.2	924.4	924.2	924.0	923.7	923.5	923.4
130°	972.4	972.3	972.1	971.8	971.6	971.4	971.6	971.8	972.1	972.3	972.4
132.5°	1018.4	1018.3	1018.1	1017.8	1017.6	1017.4	1017.6	1017.8	1018.1	1018.3	1018.4
135°	1063.3	1063.1	1062.6	1062.2	1061.7	1061.3	1061.7	1062.2	1062.6	1063.1	1063.3
137.5°	1105.2	1104.9	1104.2	1103.5	1102.9	1102.2	1102.9	1103.5	1104.2	1104.9	1105.2
140°	1145.1	1144.5	1143.4	1142.3	1141.1	1140.0	1141.1	1142.3	1143.4	1144.5	1145.1
142.5°	1181.8	1181.2	1180.1	1179.0	1177.8	1176.7	1177.8	1179.0	1180.1	1181.2	1181.8
145°	1215.5	1214.9	1213.8	1212.7	1211.5	1210.4	1211.5	1212.7	1213.8	1214.9	1215.5
147.5°	1245.2	1244.7	1243.8	1242.9	1242.0	1241.1	1242.0	1242.9	1243.8	1244.7	1245.2
150°	1273.8	1273.2	1272.1	1271.0	1269.8	1268.7	1269.8	1271.0	1272.1	1273.2	1273.8
152.5°	1299.3	1298.5	1296.9	1295.4	1293.8	1292.2	1293.8	1295.4	1296.9	1298.5	1299.3
155°	1321.8	1320.9	1319.1	1317.2	1315.4	1313.6	1315.4	1317.2	1319.1	1320.9	1321.8
157.5°	1342.2	1341.3	1339.5	1337.6	1335.8	1334.0	1335.8	1337.6	1339.5	1341.3	1342.2
160°	1358.6	1357.8	1356.2	1354.6	1353.0	1351.4	1353.0	1354.6	1356.2	1357.8	1358.6
162.5°	1374.9	1373.9	1371.8	1369.8	1367.7	1365.7	1367.7	1369.8	1371.8	1373.9	1374.9
165°	1387.2	1386.4	1384.8	1383.2	1381.6	1380.0	1381.6	1383.2	1384.8	1386.4	1387.2
167.5°	1398.4	1397.4	1395.3	1393.3	1391.2	1389.2	1391.2	1393.3	1395.3	1397.4	1398.4
170°	1406.6	1405.6	1403.5	1401.5	1399.4	1397.4	1399.4	1401.5	1403.5	1405.6	1406.6
172.5°	1412.7	1411.7	1409.6	1407.6	1405.5	1403.5	1405.5	1407.6	1409.6	1411.7	1412.7
175°	1416.8	1415.7	1413.4	1411.1	1408.9	1406.6	1408.9	1411.1	1413.4	1415.7	1416.8
177.5°	1417.8	1416.8	1414.7	1412.7	1410.6	1408.6	1410.6	1412.7	1414.7	1416.8	1417.8
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

TEST NUMBER: P999020

CATALOG NUMBER: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8
2.5°	1566.1	1576.3	1572.5	1558.5	1575.0	1575.0	1586.4	1586.4	1600.4	1605.4	1613.0
5°	1477.4	1485.0	1491.3	1485.0	1496.4	1514.1	1524.3	1533.2	1552.2	1559.8	1571.2
7.5°	1382.2	1396.2	1402.5	1402.5	1421.6	1441.8	1462.1	1474.8	1501.4	1511.6	1523.0
10°	1289.7	1306.2	1318.8	1317.6	1349.3	1362.0	1387.3	1416.5	1443.1	1458.3	1474.8
12.5°	1192.0	1200.9	1218.7	1244.0	1251.6	1274.5	1303.6	1340.4	1388.6	1402.5	1426.6
15°	1110.9	1135.0	1148.9	1160.3	1178.1	1199.6	1231.3	1266.8	1315.0	1345.5	1370.8
17.5°	1042.4	1074.1	1083.0	1080.4	1103.3	1136.2	1173.0	1199.6	1242.8	1279.5	1303.6
20°	986.6	999.3	1014.5	1020.8	1038.6	1074.1	1109.6	1140.0	1175.5	1204.7	1232.6
22.5°	930.8	940.9	953.6	965.0	979.0	999.3	1033.5	1071.6	1105.8	1133.7	1165.4
25°	885.1	891.5	902.9	911.8	927.0	940.9	965.0	1006.9	1047.5	1063.9	1091.8
27.5°	840.8	845.8	853.4	863.6	871.2	885.1	906.7	940.9	982.8	999.3	1037.3
30°	801.4	805.3	812.9	817.9	821.7	838.2	854.7	881.3	913.0	935.9	963.8
32.5°	764.7	768.5	776.1	777.4	782.4	791.3	806.5	830.6	858.5	877.5	901.6
35°	724.1	726.6	734.2	736.8	740.6	748.2	759.6	777.4	802.7	816.7	838.2
37.5°	692.4	691.1	696.2	700.0	705.1	708.9	712.7	730.4	749.5	762.1	778.6
40°	658.2	655.6	656.9	662.0	664.5	669.6	669.6	687.3	700.0	710.1	722.8
42.5°	623.9	622.6	620.1	622.6	625.2	626.4	627.7	640.4	653.1	662.0	675.9
45°	589.7	588.4	585.9	587.1	587.1	589.7	593.5	598.6	607.4	615.0	622.6
47.5°	558.0	555.4	551.6	550.4	552.9	552.9	552.9	558.0	566.8	569.4	577.0
50°	525.0	521.2	516.1	513.6	513.6	512.3	514.9	516.1	523.7	526.3	532.6
52.5°	489.5	487.0	481.9	476.8	478.1	475.5	476.8	478.1	480.6	484.4	488.2
55°	454.0	448.9	445.1	443.8	440.0	440.0	436.2	441.3	440.0	441.3	446.4
57.5°	419.7	414.7	408.3	405.8	402.0	400.7	398.2	396.9	398.2	402.0	405.8
60°	379.2	376.6	372.8	369.0	366.5	362.7	360.1	360.1	358.9	358.9	360.1
62.5°	339.9	338.6	333.5	332.2	329.7	327.2	323.4	320.8	320.8	323.4	324.6
65°	301.8	300.5	296.7	295.5	289.1	286.6	285.3	284.1	281.5	281.5	281.5
67.5°	266.3	262.5	262.5	256.2	251.1	248.6	246.0	244.7	244.7	244.7	246.0
70°	227.0	227.0	223.2	219.4	214.3	215.6	211.8	208.0	208.0	205.4	206.7
72.5°	188.9	187.7	183.9	182.6	178.8	175.0	172.5	175.0	171.2	169.9	171.2
75°	152.2	150.9	148.4	145.8	147.1	143.3	139.5	138.2	138.2	135.7	135.7
77.5°	116.7	119.2	114.1	112.9	110.3	107.8	106.5	105.3	105.3	105.3	107.8
80°	81.2	82.4	82.4	79.9	81.2	77.4	77.4	77.4	73.6	74.8	76.1
82.5°	52.0	52.0	50.7	52.0	50.7	50.7	49.5	49.5	48.2	48.2	49.5
85°	29.2	27.9	26.6	29.2	27.9	27.9	26.6	26.6	26.6	26.6	26.6
87.5°	6.3	7.6	7.6	7.6	7.6	8.9	8.9	8.9	10.1	10.1	10.1
90°	24.9	23.8	22.7	21.5	20.4	18.6	16.8	15.0	13.2	12.3	11.0
92.5°	26.4	25.9	25.4	25.0	24.5	23.8	23.2	22.5	21.8	21.5	21.9
95°	44.3	43.2	42.1	40.9	39.8	38.2	36.6	35.1	33.5	32.7	36.4
97.5°	54.9	54.2	53.5	52.8	52.1	48.5	44.9	41.2	37.6	35.8	45.1
100°	65.5	63.7	61.8	60.0	58.2	54.4	50.5	46.7	42.8	40.9	56.4
102.5°	70.3	67.8	65.3	62.8	60.3	101.6	142.9	184.2	225.5	246.2	246.4
105°	72.3	69.8	67.3	64.8	62.3	124.3	186.3	248.2	310.2	341.2	337.8
107.5°	74.4	71.9	69.4	66.9	64.4	140.9	217.4	293.9	370.4	408.6	405.8
110°	88.0	110.7	133.4	156.1	178.8	244.4	310.0	375.6	441.2	474.0	471.6

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CATALOG NUMBER: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	127.6	225.4	323.3	421.1	518.9	522.8	526.6	530.5	534.4	536.3	534.3
115°	209.8	314.9	420.0	525.1	630.2	624.5	618.9	613.2	607.5	604.7	602.8
117.5°	555.5	588.0	620.5	652.9	685.4	681.5	677.7	673.8	669.9	668.0	665.7
120°	759.6	756.9	754.2	751.4	748.7	744.6	740.5	736.4	732.3	730.3	728.6
122.5°	814.4	813.1	811.7	810.4	809.0	804.5	799.9	795.4	790.9	788.6	786.8
125°	869.5	867.9	866.3	864.7	863.1	858.8	854.5	850.2	845.9	843.7	842.2
127.5°	922.3	920.0	917.7	915.5	913.2	909.8	906.4	903.0	899.6	897.9	896.3
130°	971.2	968.7	966.2	963.7	961.2	958.7	956.2	953.7	951.2	950.0	948.2
132.5°	1017.4	1015.3	1013.3	1011.2	1009.2	1006.7	1004.2	1001.7	999.2	998.0	996.5
135°	1062.2	1059.9	1057.6	1055.4	1053.1	1051.1	1049.0	1047.0	1044.9	1043.9	1042.1
137.5°	1104.1	1101.8	1099.5	1097.3	1095.0	1092.7	1090.5	1088.2	1085.9	1084.8	1083.4
140°	1144.1	1142.0	1140.0	1137.9	1135.9	1133.4	1130.9	1128.4	1125.9	1124.6	1123.7
142.5°	1180.9	1179.1	1177.3	1175.5	1173.7	1170.7	1167.8	1164.8	1161.9	1160.4	1159.6
145°	1214.7	1213.1	1211.6	1210.0	1208.4	1204.5	1200.7	1196.8	1192.9	1191.0	1191.1
147.5°	1244.6	1243.5	1242.4	1241.2	1240.1	1236.2	1232.4	1228.5	1224.6	1222.7	1223.0
150°	1273.1	1271.7	1270.4	1269.0	1267.6	1264.0	1260.4	1256.7	1253.1	1251.3	1252.1
152.5°	1298.6	1297.3	1295.9	1294.6	1293.2	1289.8	1286.4	1283.0	1279.6	1277.9	1278.8
155°	1321.1	1319.8	1318.4	1317.1	1315.7	1313.0	1310.2	1307.5	1304.8	1303.4	1304.4
157.5°	1341.4	1339.8	1338.3	1336.7	1335.1	1333.1	1331.0	1329.0	1326.9	1325.9	1326.8
160°	1357.9	1356.5	1355.2	1353.8	1352.4	1351.0	1349.7	1348.3	1347.0	1346.3	1347.0
162.5°	1374.1	1372.5	1370.9	1369.3	1367.7	1366.6	1365.4	1364.3	1363.2	1362.6	1363.3
165°	1386.4	1384.8	1383.2	1381.6	1380.0	1379.3	1378.6	1377.9	1377.2	1376.9	1377.6
167.5°	1397.6	1396.0	1394.4	1392.8	1391.2	1390.5	1389.9	1389.2	1388.5	1388.2	1388.9
170°	1405.8	1404.2	1402.6	1401.0	1399.4	1399.0	1398.5	1398.1	1397.6	1397.4	1398.1
172.5°	1411.9	1410.3	1408.7	1407.1	1405.5	1405.1	1404.6	1404.2	1403.7	1403.5	1404.2
175°	1416.0	1414.4	1412.8	1411.2	1409.6	1409.2	1408.7	1408.3	1407.8	1407.6	1408.4
177.5°	1417.0	1415.4	1413.8	1412.2	1410.6	1410.4	1410.2	1409.9	1409.7	1409.6	1410.4
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1649.8	1649.8	1649.8	1649.8
2.5°	1619.4	1619.4	1638.4	1658.7
5°	1583.9	1592.8	1623.2	1651.1
7.5°	1549.6	1564.9	1602.9	1638.4
10°	1507.8	1528.1	1575.0	1616.8
12.5°	1467.2	1486.2	1540.8	1587.7
15°	1410.1	1434.2	1492.6	1550.9
17.5°	1353.1	1377.2	1448.2	1516.7
20°	1285.9	1317.6	1397.5	1488.8
22.5°	1223.7	1263.0	1351.8	1425.4
25°	1155.3	1216.1	1298.5	1393.7
27.5°	1094.4	1155.3	1238.9	1335.3
30°	1025.9	1088.0	1174.3	1263.0
32.5°	960.0	1017.0	1100.7	1209.8
35°	891.5	946.0	1027.2	1137.5
37.5°	829.3	882.6	971.4	1072.8
40°	768.5	824.3	900.4	1001.8
42.5°	711.4	760.9	829.3	930.8
45°	659.4	694.9	758.3	853.4
47.5°	604.9	636.6	694.9	790.0
50°	554.2	580.8	631.5	720.3
52.5°	504.7	527.5	574.5	645.5
55°	460.3	481.9	516.1	585.9
57.5°	414.7	431.2	464.1	519.9
60°	370.3	385.5	412.1	457.8
62.5°	325.9	338.6	363.9	400.7
65°	286.6	296.7	315.8	347.5
67.5°	248.6	254.9	270.1	295.5
70°	211.8	216.8	229.5	249.8
72.5°	172.5	177.5	191.5	205.4
75°	139.5	140.8	150.9	162.3
77.5°	109.1	107.8	115.4	124.3
80°	74.8	78.6	85.0	88.8
82.5°	50.7	52.0	54.5	57.1
85°	27.9	29.2	29.2	33.0
87.5°	11.4	12.7	12.7	13.9
90°	8.5	6.0	3.5	1.0
92.5°	22.8	23.7	24.6	25.5
95°	43.9	51.4	58.9	66.4
97.5°	63.7	82.3	100.9	119.5
100°	87.5	118.6	149.7	180.8
102.5°	246.9	247.3	247.8	248.2
105°	331.0	324.1	317.3	310.5
107.5°	400.1	394.4	388.8	383.1
110°	466.8	462.1	457.3	452.5



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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	530.2	526.1	522.0	517.9
115°	598.9	595.0	591.2	587.3
117.5°	661.2	656.7	652.1	647.6
120°	725.2	721.8	718.4	715.0
122.5°	783.1	779.5	775.8	772.2
125°	839.3	836.4	833.4	830.5
127.5°	893.1	890.0	886.8	883.6
130°	944.5	940.9	937.2	933.6
132.5°	993.6	990.6	987.7	984.7
135°	1038.5	1034.8	1031.2	1027.6
137.5°	1080.7	1078.0	1075.2	1072.5
140°	1121.9	1120.1	1118.3	1116.5
142.5°	1158.0	1156.4	1154.8	1153.2
145°	1191.4	1191.6	1191.9	1192.1
147.5°	1223.7	1224.4	1225.1	1225.8
150°	1253.7	1255.2	1256.8	1258.4
152.5°	1280.6	1282.4	1284.2	1286.0
155°	1306.5	1308.5	1310.6	1312.6
157.5°	1328.6	1330.4	1332.2	1334.0
160°	1348.3	1349.7	1351.0	1352.4
162.5°	1364.7	1366.0	1367.4	1368.8
165°	1379.0	1380.3	1381.7	1383.1
167.5°	1390.2	1391.6	1392.9	1394.3
170°	1399.4	1400.8	1402.1	1403.5
172.5°	1405.5	1406.9	1408.2	1409.6
175°	1410.0	1411.5	1413.1	1414.7
177.5°	1412.0	1413.6	1415.2	1416.8
180°	1411.7	1411.7	1411.7	1411.7

TEST NUMBER: P999020

CATALOG NUMBER: SA2XXDIP-B865D1080UB50-4F0-XX-W2A-A

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.87	17.68	17.86	18.67	19.99	14.37	15.17	15.36	16.17	17.49
	3H	17.68	18.40	18.68	19.41	20.75	15.71	16.43	16.71	17.43	18.77
	4H	17.85	18.53	18.86	19.54	20.88	16.17	16.85	17.18	17.86	19.20
	6H	17.89	18.51	18.91	19.53	20.89	16.47	17.10	17.50	18.11	19.47
	8H	17.87	18.46	18.90	19.49	20.85	16.55	17.15	17.58	18.18	19.54
	12H	17.83	18.39	18.86	19.42	20.80	16.59	17.16	17.63	18.18	19.56
4H	2H	16.91	17.59	17.93	18.60	19.95	14.81	15.48	15.83	16.50	17.84
	3H	17.88	18.45	18.91	19.49	20.85	16.26	16.83	17.29	17.87	19.23
	4H	18.16	18.67	19.19	19.71	21.09	16.79	17.31	17.83	18.34	19.73
	6H	18.29	18.73	19.33	19.78	21.16	17.17	17.61	18.22	18.67	20.05
	8H	18.28	18.70	19.33	19.74	21.14	17.28	17.69	18.33	18.74	20.14
	12H	18.24	18.62	19.31	19.68	21.08	17.33	17.71	18.40	18.77	20.17
8H	4H	18.16	18.58	19.21	19.62	21.02	16.93	17.35	17.98	18.39	19.79
	6H	18.34	18.68	19.41	19.77	21.16	17.36	17.71	18.43	18.79	20.19
	8H	18.37	18.67	19.45	19.74	21.15	17.51	17.81	18.59	18.89	20.30
	12H	18.35	18.61	19.43	19.68	21.14	17.60	17.87	18.68	18.94	20.39
12H	4H	18.12	18.49	19.18	19.55	20.95	16.90	17.28	17.97	18.34	19.74
	6H	18.32	18.62	19.40	19.69	21.10	17.36	17.66	18.44	18.74	20.15
	8H	18.35	18.61	19.43	19.68	21.13	17.52	17.78	18.60	18.85	20.30