

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: P999014

Luminaire Tested: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P999014
REPORT IS A COMBINATION OF REPORTS P984761 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

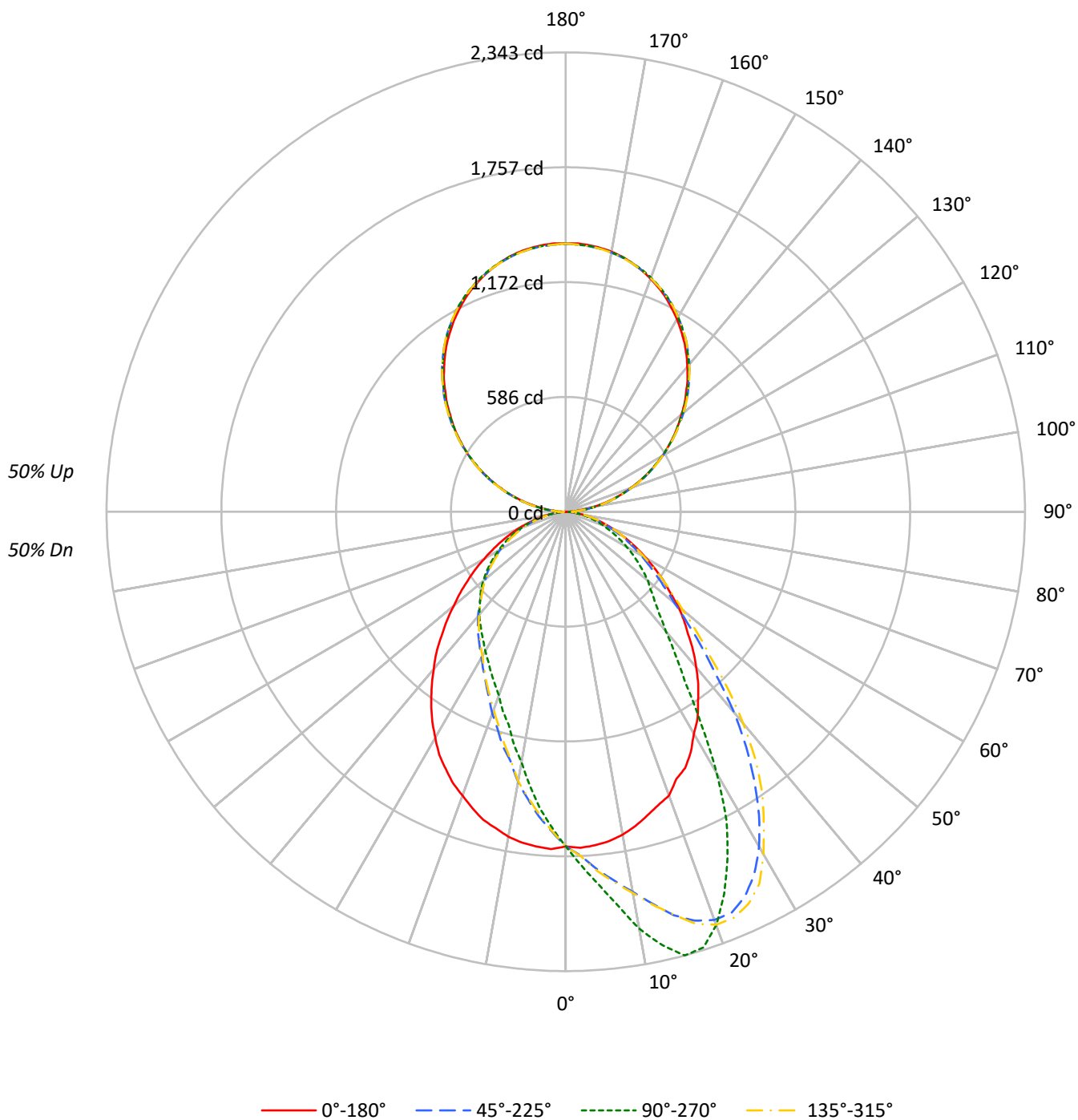
Lumens per Lamp: N/A
Luminaire Lumens: 7593.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	56	56	50
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	48	48	43
2	90	83	77	72	83	77	71	67	65	61	58	54	52	49	45	43	41	41	41	37
3	82	73	66	60	76	68	62	57	58	53	49	49	45	42	40	38	36	36	36	32
4	75	65	57	52	69	60	54	48	52	47	43	44	40	37	36	33	31	31	31	28
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27	27	27	24
6	64	52	44	39	59	49	42	37	42	37	33	36	32	28	30	27	24	24	24	22
7	59	47	40	34	55	44	37	32	38	33	29	33	28	25	27	24	22	22	22	19
8	55	43	36	30	51	40	34	29	35	30	26	30	26	23	25	22	20	20	20	17
9	51	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18	18	18	16
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	16	16	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27013	27013	27013	27013
5°	27077	28801	27180	22914
10°	26763	31441	26931	18891
15°	26114	33163	26477	15913
20°	25706	31139	25706	13832
25°	24887	26752	25001	12368
30°	23539	21029	23987	11203
35°	22345	14541	22718	10251
40°	20972	10979	21211	9491
45°	19278	9022	19595	8671
50°	17816	7919	17847	7938
55°	16148	6748	16251	7141
60°	14368	5636	14568	6232
65°	12776	4584	13011	5323
70°	11191	3597	11476	4294
75°	9392	2611	9762	3112
80°	7329	1655	7856	1848
85°	4817	832	5184	616

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 27922 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	2.1
10°-20°	473.1	6.2
20°-30°	686.6	9.0
30°-40°	723.8	9.5
40°-50°	640.5	8.4
50°-60°	511.4	6.7
60°-70°	347.4	4.6
70°-80°	177.7	2.3
80°-90°	45.9	0.6
90°-100°	84.6	1.1
100°-110°	269.0	3.5
110°-120°	460.3	6.1
120°-130°	605.3	8.0
130°-140°	679.5	8.9
140°-150°	666.3	8.8
150°-160°	558.9	7.4
160°-170°	370.7	4.9
170°-180°	129.6	1.7
0°-30°	1322.2	17.4
0°-40°	2046.0	26.9
0°-60°	3197.9	42.1
0°-90°	3768.9	49.6
90°-120°	813.9	10.7
90°-150°	2764.9	36.4
90°-180°	3824.0	50.4
0°-180°	7593.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1706	1706	1706	1706	1706	
5°	1708	1906	1714	1516	1708	162
15°	1604	2343	1626	1124	1604	453
25°	1442	1952	1448	902	1442	659
35°	1177	1062	1196	749	1177	736
45°	883	640	897	615	883	685
55°	606	450	610	476	606	541
65°	359	277	366	321	359	357
75°	168	136	174	163	168	180
85°	34	35	37	26	34	40
90°	1	39	1	39	1	6
95°	60	72	60	72	60	67
105°	248	256	248	256	248	262
115°	462	462	462	462	462	457
125°	672	674	672	674	672	600
135°	869	880	869	880	869	672
145°	1055	1066	1055	1066	1055	659
155°	1206	1215	1206	1215	1206	555
165°	1312	1314	1312	1314	1312	370
175°	1366	1361	1366	1361	1366	130
180°	1368	1368	1368	1368	1368	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5
2.5°	1715.7	1719.6	1726.1	1727.5	1740.6	1751.1	1762.9	1762.9	1766.8	1765.5	1755.0
5°	1707.8	1719.6	1736.6	1751.1	1774.7	1785.2	1800.9	1812.7	1823.2	1831.1	1829.8
7.5°	1694.7	1715.7	1740.6	1768.1	1799.6	1818.0	1840.3	1861.2	1875.7	1888.8	1898.0
10°	1672.4	1707.8	1741.9	1778.6	1819.3	1844.2	1870.4	1898.0	1920.3	1945.2	1968.8
12.5°	1642.2	1693.4	1735.3	1783.9	1833.7	1861.2	1903.2	1924.2	1967.5	2030.5	2047.5
15°	1604.2	1673.7	1713.0	1774.7	1840.3	1862.6	1920.3	1954.4	2043.6	2082.9	2130.1
17.5°	1568.7	1646.1	1698.6	1769.4	1833.7	1877.0	1933.4	2002.9	2077.7	2134.1	2186.5
20°	1539.9	1614.7	1677.6	1756.3	1837.6	1892.7	1951.8	2035.7	2117.0	2174.7	2215.4
22.5°	1474.3	1570.1	1643.5	1731.4	1829.8	1905.8	1962.2	2054.1	2141.9	2177.4	2212.8
25°	1441.5	1524.2	1609.4	1709.1	1824.5	1915.0	1963.6	2065.9	2143.3	2156.4	2164.2
27.5°	1381.2	1474.3	1574.0	1688.1	1823.2	1899.3	1960.9	2054.1	2115.7	2106.5	2082.9
30°	1306.4	1420.5	1530.7	1654.0	1804.8	1887.5	1945.2	2030.5	2061.9	2014.7	1972.7
32.5°	1251.3	1358.9	1480.9	1623.8	1783.9	1862.6	1919.0	1985.9	1992.4	1907.2	1836.3
35°	1176.6	1295.9	1433.6	1584.5	1748.4	1819.3	1871.7	1912.4	1880.9	1761.6	1677.6
37.5°	1109.7	1227.7	1374.6	1528.1	1699.9	1769.4	1811.4	1818.0	1740.6	1635.6	1512.3
40°	1036.2	1158.2	1311.7	1473.0	1646.1	1706.5	1732.7	1713.0	1601.5	1479.6	1336.6
42.5°	962.8	1083.4	1248.7	1414.0	1577.9	1629.1	1639.6	1585.8	1449.4	1306.4	1141.1
45°	882.7	1008.7	1173.9	1340.5	1499.2	1528.1	1529.4	1452.0	1290.7	1141.1	987.7
47.5°	817.2	933.9	1097.9	1264.4	1398.2	1417.9	1410.0	1320.8	1145.1	977.2	843.4
50°	745.0	856.5	1019.2	1183.1	1297.2	1302.5	1282.8	1155.6	983.7	830.3	724.0
52.5°	667.6	780.4	930.0	1087.4	1189.7	1181.8	1143.8	1007.4	846.0	718.8	637.5
55°	606.0	705.7	846.0	999.5	1071.6	1049.3	1007.4	868.3	741.1	633.5	562.7
57.5°	537.8	625.7	763.4	897.2	939.2	918.2	876.2	746.3	628.3	547.0	499.7
60°	473.5	553.5	674.2	785.7	818.5	796.2	747.6	630.9	545.7	477.4	442.0
62.5°	414.5	484.0	585.0	687.3	700.4	678.1	636.2	541.7	468.3	414.5	388.3
65°	359.4	425.0	506.3	583.7	595.5	571.9	528.6	460.4	398.7	364.6	339.7
67.5°	305.6	358.1	430.2	486.6	493.2	470.9	435.5	380.4	342.3	305.6	287.3
70°	258.4	297.7	354.1	400.1	402.7	381.7	363.3	313.5	284.6	258.4	244.0
72.5°	212.5	240.0	283.3	317.4	318.7	305.6	288.6	257.1	232.2	213.8	199.4
75°	167.9	191.5	217.7	247.9	246.6	236.1	223.0	203.3	182.3	170.5	164.0
77.5°	128.5	143.0	164.0	183.6	183.6	178.4	170.5	156.1	143.0	131.2	124.6
80°	91.8	101.0	118.0	124.6	127.2	125.9	119.4	108.9	103.6	94.4	91.8
82.5°	59.0	65.6	73.5	80.0	83.9	81.3	80.0	74.8	66.9	64.3	61.6
85°	34.1	36.7	40.7	44.6	45.9	44.6	47.2	43.3	39.3	39.3	38.0
87.5°	14.4	15.7	18.4	18.4	19.7	19.7	18.4	19.7	19.7	18.4	17.1
90°	1.2	4.3	7.3	10.4	13.5	15.0	17.8	23.5	29.1	34.8	40.4
92.5°	25.4	27.4	29.5	31.5	33.6	34.6	34.7	35.0	35.3	35.5	35.8
95°	60.0	62.6	65.2	67.7	70.3	71.6	71.9	72.4	72.9	73.4	73.9
97.5°	100.4	102.7	105.0	107.3	109.6	110.8	111.3	112.3	113.4	114.4	115.4
100°	146.6	148.6	150.7	152.7	154.8	155.8	156.2	157.0	157.7	158.5	159.3
102.5°	195.1	196.6	198.2	199.7	201.2	202.0	202.5	203.5	204.6	205.6	206.6
105°	248.2	249.0	249.7	250.5	251.2	251.6	251.9	252.4	252.9	253.4	253.9
107.5°	301.3	302.3	303.3	304.4	305.4	305.9	305.9	305.9	305.9	305.9	305.9
110°	352.0	353.6	355.1	356.7	358.2	359.0	359.0	359.0	359.0	359.0	359.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	407.5	409.0	410.6	412.1	413.6	414.4	414.3	414.0	413.7	413.5	413.2
115°	461.7	463.2	464.8	466.3	467.8	468.6	468.3	467.8	467.3	466.8	466.3
117.5°	516.0	518.0	520.1	522.1	524.2	525.2	524.6	523.3	522.0	520.7	519.4
120°	570.2	572.2	574.3	576.3	578.4	579.4	578.4	576.3	574.3	572.2	570.2
122.5°	619.8	622.4	625.0	627.5	630.1	631.4	630.8	629.5	628.2	626.9	625.6
125°	671.8	674.1	676.4	678.7	681.0	682.2	681.8	681.0	680.3	679.5	678.7
127.5°	722.6	725.4	728.2	731.1	733.9	735.3	734.8	733.7	732.7	731.6	730.6
130°	769.9	773.2	776.6	779.9	783.2	784.9	784.6	784.1	783.6	783.1	782.6
132.5°	823.0	825.6	828.1	830.7	833.2	834.5	834.6	834.9	835.2	835.4	835.7
135°	869.2	872.0	874.8	877.7	880.5	881.9	882.2	882.7	883.2	883.7	884.2
137.5°	919.9	922.2	924.5	926.8	929.1	930.3	930.6	931.1	931.6	932.1	932.6
140°	965.0	967.3	969.6	971.9	974.2	975.4	976.0	977.3	978.6	979.8	981.1
142.5°	1011.1	1013.4	1015.7	1018.0	1020.3	1021.5	1021.9	1022.7	1023.4	1024.2	1025.0
145°	1055.0	1056.8	1058.6	1060.4	1062.2	1063.1	1063.9	1065.4	1066.9	1068.5	1070.0
147.5°	1094.2	1096.5	1098.8	1101.1	1103.4	1104.6	1105.1	1106.1	1107.2	1108.2	1109.2
150°	1134.6	1136.2	1137.7	1139.3	1140.8	1141.6	1142.1	1143.1	1144.2	1145.2	1146.2
152.5°	1170.4	1171.9	1173.5	1175.0	1176.5	1177.3	1177.9	1179.2	1180.5	1181.8	1183.1
155°	1206.2	1207.0	1207.8	1208.5	1209.3	1209.7	1210.1	1210.8	1211.6	1212.3	1213.1
157.5°	1237.4	1237.9	1238.4	1238.9	1239.4	1239.7	1240.0	1240.5	1241.0	1241.5	1242.0
160°	1265.1	1265.6	1266.1	1266.6	1267.1	1267.4	1267.5	1267.8	1268.0	1268.3	1268.5
162.5°	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.6	1290.9	1291.1	1291.4	1291.6
165°	1312.4	1312.1	1311.9	1311.6	1311.3	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2
167.5°	1332.0	1331.2	1330.5	1329.7	1329.0	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6
170°	1347.0	1346.2	1345.5	1344.7	1344.0	1343.6	1343.5	1343.2	1342.9	1342.7	1342.4
172.5°	1357.4	1356.6	1355.8	1355.1	1354.3	1353.9	1353.8	1353.5	1353.3	1353.0	1352.8
175°	1365.5	1364.7	1363.9	1363.2	1362.4	1362.0	1361.7	1361.2	1360.7	1360.2	1359.7
177.5°	1370.1	1369.3	1368.5	1367.8	1367.0	1366.6	1366.3	1365.8	1365.3	1364.8	1364.3
180°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5
2.5°	1773.4	1774.7	1777.3	1790.4	1797.0	1798.3	1793.0	1804.8	1808.8	1804.8	1802.2
5°	1857.3	1865.2	1880.9	1898.0	1896.7	1898.0	1905.8	1913.7	1916.3	1905.8	1909.8
7.5°	1930.8	1946.5	1963.6	1989.8	1989.8	2002.9	2008.2	2014.7	2030.5	2022.6	2020.0
10°	2014.7	2035.7	2067.2	2109.2	2110.5	2123.6	2136.7	2157.7	2164.2	2159.0	2161.6
12.5°	2119.6	2160.3	2162.9	2208.8	2229.8	2232.5	2253.4	2249.5	2262.6	2262.6	2284.9
15°	2165.6	2228.5	2263.9	2308.5	2321.6	2305.9	2323.0	2341.3	2342.6	2342.6	2341.3
17.5°	2248.2	2273.1	2308.5	2332.1	2337.4	2337.4	2338.7	2346.6	2341.3	2330.8	2338.7
20°	2265.2	2275.7	2288.9	2286.2	2288.9	2275.7	2262.6	2249.5	2250.8	2244.3	2263.9
22.5°	2233.8	2231.1	2201.0	2181.3	2181.3	2155.1	2130.1	2118.3	2106.5	2110.5	2117.0
25°	2155.1	2114.4	2077.7	2048.8	2042.3	2000.3	1966.2	1955.7	1936.0	1951.8	1954.4
27.5°	2029.1	1983.2	1924.2	1899.3	1865.2	1848.1	1824.5	1793.0	1752.4	1776.0	1772.1
30°	1894.0	1825.8	1777.3	1717.0	1663.2	1659.3	1614.7	1562.2	1541.2	1541.2	1553.0
32.5°	1743.2	1652.7	1581.9	1496.6	1444.1	1421.8	1368.1	1315.6	1327.4	1288.1	1302.5
35°	1567.4	1448.1	1358.9	1276.2	1236.9	1210.7	1141.1	1112.3	1080.8	1062.4	1096.6
37.5°	1399.5	1261.8	1147.7	1057.2	1042.8	995.6	948.3	930.0	911.6	919.5	918.2
40°	1194.9	1072.9	970.6	899.8	874.9	852.6	821.1	798.8	787.0	793.6	794.9
42.5°	1010.0	907.7	831.6	781.8	760.8	745.0	729.3	710.9	707.0	707.0	712.2
45°	867.0	783.1	731.9	691.2	679.4	667.6	655.8	648.0	645.3	640.1	644.0
47.5°	752.9	686.0	654.5	624.4	611.2	608.6	598.1	594.2	588.9	587.6	588.9
50°	657.1	615.2	586.3	569.3	560.1	556.1	550.9	543.0	540.4	547.0	544.3
52.5°	590.2	550.9	535.2	518.1	512.9	507.6	499.7	501.1	499.7	497.1	497.1
55°	523.4	498.4	482.7	469.6	468.3	463.0	456.5	453.8	452.5	449.9	453.8
57.5°	469.6	449.9	435.5	423.7	418.4	418.4	411.9	406.6	406.6	405.3	406.6
60°	415.8	396.1	386.9	375.1	371.2	369.9	366.0	363.3	359.4	359.4	359.4
62.5°	366.0	350.2	339.7	329.2	330.5	324.0	318.7	316.1	316.1	317.4	317.4
65°	318.7	308.2	295.1	285.9	283.3	282.0	279.4	278.1	274.1	276.8	276.8
67.5°	275.4	261.0	253.2	249.2	245.3	244.0	241.3	238.7	237.4	236.1	238.7
70°	232.2	220.4	213.8	211.2	207.2	205.9	204.6	200.7	202.0	203.3	204.6
72.5°	192.8	182.3	181.0	173.1	173.1	173.1	167.9	170.5	169.2	166.6	169.2
75°	152.2	146.9	144.3	140.3	141.7	140.3	139.0	135.1	135.1	136.4	137.7
77.5°	120.7	115.4	114.1	110.2	107.6	110.2	107.6	106.2	106.2	107.6	107.6
80°	89.2	86.6	82.6	82.6	82.6	81.3	81.3	81.3	80.0	78.7	80.0
82.5°	59.0	59.0	57.7	56.4	57.7	55.1	56.4	56.4	56.4	56.4	56.4
85°	38.0	36.7	36.7	35.4	35.4	35.4	36.7	34.1	34.1	35.4	35.4
87.5°	17.1	17.1	17.1	18.4	17.1	17.1	17.1	18.4	17.1	17.1	17.1
90°	39.9	39.4	38.9	38.4	38.1	38.2	38.5	38.7	39.0	39.2	39.0
92.5°	36.0	36.3	36.5	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
95°	73.9	73.9	73.9	73.9	73.9	73.6	73.1	72.6	72.1	71.6	72.1
97.5°	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4
100°	159.3	159.3	159.3	159.3	159.3	159.2	158.9	158.6	158.4	158.1	158.4
102.5°	206.9	207.1	207.4	207.7	207.8	207.7	207.4	207.1	206.9	206.6	206.9
105°	254.4	254.9	255.4	255.9	256.2	256.2	256.2	256.2	256.2	256.2	256.2
107.5°	306.1	306.4	306.6	306.9	307.0	306.4	305.1	303.8	302.6	301.3	302.6
110°	359.0	359.0	359.0	359.0	359.0	358.6	357.8	357.1	356.3	355.5	356.3

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	412.4	411.7	410.9	410.2	409.8	409.5	409.0	408.5	408.0	407.5	408.0
115°	466.1	465.8	465.6	465.3	465.2	464.8	464.0	463.3	462.5	461.7	462.5
117.5°	518.6	517.9	517.1	516.4	516.0	515.6	514.8	514.1	513.3	512.5	513.3
120°	570.2	570.2	570.2	570.2	570.2	569.8	569.0	568.3	567.5	566.7	567.5
122.5°	624.8	624.0	623.3	622.5	622.1	621.8	621.3	620.8	620.3	619.8	620.3
125°	677.9	677.1	676.4	675.6	675.2	675.1	674.8	674.6	674.3	674.1	674.3
127.5°	729.6	728.6	727.5	726.5	726.0	725.6	724.9	724.1	723.4	722.6	723.4
130°	782.1	781.6	781.1	780.6	780.3	779.8	778.8	777.7	776.7	775.7	776.7
132.5°	834.4	833.1	831.8	830.5	829.9	829.5	828.8	828.0	827.3	826.5	827.3
135°	883.9	883.7	883.4	883.1	883.0	882.6	881.8	881.1	880.3	879.5	880.3
137.5°	932.4	932.1	931.9	931.6	931.5	931.0	930.0	928.9	927.9	926.9	927.9
140°	981.1	981.1	981.1	981.1	981.1	980.6	979.6	978.5	977.5	976.5	977.5
142.5°	1025.2	1025.5	1025.7	1026.0	1026.1	1025.6	1024.6	1023.5	1022.5	1021.5	1022.5
145°	1070.3	1070.5	1070.8	1071.1	1071.2	1070.7	1069.6	1068.6	1067.5	1066.5	1067.5
147.5°	1109.7	1110.3	1110.8	1111.3	1111.6	1111.1	1110.0	1109.0	1107.9	1106.9	1107.9
150°	1147.0	1147.7	1148.5	1149.2	1149.6	1149.2	1148.5	1147.7	1147.0	1146.2	1147.0
152.5°	1184.1	1185.1	1186.2	1187.2	1187.7	1187.2	1186.2	1185.1	1184.1	1183.1	1184.1
155°	1214.4	1215.7	1217.0	1218.3	1218.9	1218.5	1217.7	1217.0	1216.2	1215.4	1216.2
157.5°	1243.8	1245.6	1247.4	1249.2	1250.1	1249.5	1248.2	1246.9	1245.6	1244.3	1245.6
160°	1270.1	1271.6	1273.2	1274.7	1275.5	1275.0	1273.9	1272.9	1271.8	1270.8	1271.8
162.5°	1293.4	1295.2	1297.0	1298.8	1299.7	1299.1	1297.8	1296.5	1295.2	1293.9	1295.2
165°	1313.0	1314.8	1316.6	1318.4	1319.3	1318.7	1317.4	1316.1	1314.8	1313.5	1314.8
167.5°	1330.4	1332.2	1333.9	1335.7	1336.6	1336.0	1334.7	1333.4	1332.2	1330.9	1332.2
170°	1344.2	1346.0	1347.8	1349.6	1350.5	1349.7	1348.2	1346.7	1345.1	1343.6	1345.1
172.5°	1354.6	1356.4	1358.2	1360.0	1360.9	1360.1	1358.6	1357.0	1355.5	1353.9	1355.5
175°	1361.5	1363.3	1365.1	1366.9	1367.8	1367.0	1365.5	1364.0	1362.4	1360.9	1362.4
177.5°	1365.9	1367.4	1369.0	1370.5	1371.3	1370.5	1369.0	1367.4	1365.9	1364.3	1365.9
180°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5
2.5°	1808.8	1799.6	1791.7	1793.0	1799.6	1794.4	1781.2	1764.2	1757.6	1749.8	1757.6
5°	1917.7	1909.8	1894.0	1895.4	1891.4	1886.2	1865.2	1839.0	1839.0	1818.0	1815.3
7.5°	2025.2	2013.4	2002.9	2000.3	1985.9	1975.4	1957.0	1920.3	1905.8	1880.9	1866.5
10°	2145.9	2136.7	2124.9	2110.5	2102.6	2084.2	2054.1	2000.3	1974.1	1939.9	1915.0
12.5°	2267.9	2266.6	2240.3	2211.5	2210.2	2181.3	2160.3	2088.2	2052.8	2006.8	1947.8
15°	2345.3	2338.7	2324.3	2309.8	2313.8	2282.3	2235.1	2149.8	2126.2	2071.1	2008.2
17.5°	2343.9	2343.9	2340.0	2337.4	2333.4	2324.3	2298.0	2241.6	2203.6	2134.1	2075.1
20°	2269.2	2286.2	2290.2	2288.9	2302.0	2308.5	2307.2	2271.8	2241.6	2180.0	2119.6
22.5°	2119.6	2159.0	2176.0	2186.5	2214.1	2228.5	2262.6	2249.5	2241.6	2195.7	2144.6
25°	1980.6	1993.7	2044.9	2047.5	2085.5	2121.0	2155.1	2177.4	2206.2	2189.2	2145.9
27.5°	1800.9	1831.1	1867.8	1895.4	1903.2	1975.4	2031.8	2073.7	2139.3	2144.6	2130.1
30°	1597.6	1612.0	1672.4	1709.1	1751.1	1803.5	1884.9	1957.0	2016.0	2069.8	2088.2
32.5°	1349.7	1408.7	1444.1	1488.7	1525.5	1618.6	1718.3	1811.4	1879.6	1970.1	2009.5
35°	1122.8	1168.7	1229.0	1247.4	1314.3	1393.0	1522.8	1642.2	1745.8	1837.6	1917.7
37.5°	935.2	971.9	1036.2	1065.1	1104.4	1205.4	1314.3	1462.5	1587.1	1699.9	1799.6
40°	806.7	834.2	882.7	891.9	924.7	1016.5	1104.4	1243.5	1408.7	1560.9	1669.7
42.5°	718.8	731.9	764.7	776.5	797.5	859.1	937.8	1069.0	1222.5	1379.9	1533.3
45°	655.8	665.0	684.7	695.2	721.4	749.0	813.2	918.2	1038.8	1197.5	1362.8
47.5°	599.4	611.2	619.1	625.7	640.1	670.3	712.2	789.6	905.0	1050.6	1210.7
50°	552.2	556.1	570.6	571.9	581.1	600.7	640.1	687.3	779.1	897.2	1052.0
52.5°	505.0	508.9	518.1	527.3	531.2	547.0	573.2	612.5	680.8	773.9	911.6
55°	457.8	463.0	472.2	478.8	482.7	495.8	511.5	549.6	603.4	668.9	781.8
57.5°	410.6	422.4	425.0	428.9	435.5	449.9	464.3	486.6	528.6	588.9	671.6
60°	366.0	369.9	379.1	383.0	389.6	397.4	415.8	432.8	463.0	510.2	585.0
62.5°	320.0	329.2	333.2	337.1	342.3	351.5	363.3	381.7	407.9	446.0	505.0
65°	280.7	282.0	289.9	295.1	300.4	306.9	318.7	335.8	351.5	386.9	430.2
67.5°	242.7	245.3	247.9	253.2	259.7	266.3	276.8	285.9	305.6	329.2	363.3
70°	205.9	205.9	212.5	216.4	215.1	223.0	230.9	241.3	255.8	278.1	305.6
72.5°	173.1	171.8	177.1	178.4	181.0	186.3	191.5	202.0	209.9	226.9	247.9
75°	137.7	140.3	143.0	143.0	146.9	150.8	156.1	161.3	170.5	181.0	196.7
77.5°	108.9	108.9	111.5	112.8	116.7	115.4	120.7	125.9	132.5	141.7	153.5
80°	80.0	82.6	82.6	82.6	83.9	85.3	90.5	94.4	98.4	104.9	110.2
82.5°	56.4	56.4	59.0	59.0	59.0	61.6	61.6	63.0	65.6	69.5	73.5
85°	35.4	35.4	35.4	36.7	35.4	36.7	39.3	38.0	39.3	42.0	42.0
87.5°	17.1	17.1	17.1	17.1	17.1	18.4	17.1	18.4	19.7	19.7	19.7
90°	38.7	38.5	38.2	38.1	38.4	38.9	39.4	39.9	40.4	34.8	29.1
92.5°	36.9	36.9	36.9	36.9	36.8	36.5	36.3	36.0	35.8	35.5	35.3
95°	72.6	73.1	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.4	72.9
97.5°	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	114.4	113.4
100°	158.6	158.9	159.2	159.3	159.3	159.3	159.3	159.3	159.3	158.5	157.7
102.5°	207.1	207.4	207.7	207.8	207.7	207.4	207.1	206.9	206.6	205.6	204.6
105°	256.2	256.2	256.2	256.2	255.9	255.4	254.9	254.4	253.9	253.4	252.9
107.5°	303.8	305.1	306.4	307.0	306.9	306.6	306.4	306.1	305.9	305.9	305.9
110°	357.1	357.8	358.6	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	408.5	409.0	409.5	409.8	410.2	410.9	411.7	412.4	413.2	413.5	413.7
115°	463.3	464.0	464.8	465.2	465.3	465.6	465.8	466.1	466.3	466.8	467.3
117.5°	514.1	514.8	515.6	516.0	516.4	517.1	517.9	518.6	519.4	520.7	522.0
120°	568.3	569.0	569.8	570.2	570.2	570.2	570.2	570.2	570.2	572.2	574.3
122.5°	620.8	621.3	621.8	622.1	622.5	623.3	624.0	624.8	625.6	626.9	628.2
125°	674.6	674.8	675.1	675.2	675.6	676.4	677.1	677.9	678.7	679.5	680.3
127.5°	724.1	724.9	725.6	726.0	726.5	727.5	728.6	729.6	730.6	731.6	732.7
130°	777.7	778.8	779.8	780.3	780.6	781.1	781.6	782.1	782.6	783.1	783.6
132.5°	828.0	828.8	829.5	829.9	830.5	831.8	833.1	834.4	835.7	835.4	835.2
135°	881.1	881.8	882.6	883.0	883.1	883.4	883.7	883.9	884.2	883.7	883.2
137.5°	928.9	930.0	931.0	931.5	931.6	931.9	932.1	932.4	932.6	932.1	931.6
140°	978.5	979.6	980.6	981.1	981.1	981.1	981.1	981.1	981.1	979.8	978.6
142.5°	1023.5	1024.6	1025.6	1026.1	1026.0	1025.7	1025.5	1025.2	1025.0	1024.2	1023.4
145°	1068.6	1069.6	1070.7	1071.2	1071.1	1070.8	1070.5	1070.3	1070.0	1068.5	1066.9
147.5°	1109.0	1110.0	1111.1	1111.6	1111.3	1110.8	1110.3	1109.7	1109.2	1108.2	1107.2
150°	1147.7	1148.5	1149.2	1149.6	1149.2	1148.5	1147.7	1147.0	1146.2	1145.2	1144.2
152.5°	1185.1	1186.2	1187.2	1187.7	1187.2	1186.2	1185.1	1184.1	1183.1	1181.8	1180.5
155°	1217.0	1217.7	1218.5	1218.9	1218.3	1217.0	1215.7	1214.4	1213.1	1212.3	1211.6
157.5°	1246.9	1248.2	1249.5	1250.1	1249.2	1247.4	1245.6	1243.8	1242.0	1241.5	1241.0
160°	1272.9	1273.9	1275.0	1275.5	1274.7	1273.2	1271.6	1270.1	1268.5	1268.3	1268.0
162.5°	1296.5	1297.8	1299.1	1299.7	1298.8	1297.0	1295.2	1293.4	1291.6	1291.4	1291.1
165°	1316.1	1317.4	1318.7	1319.3	1318.4	1316.6	1314.8	1313.0	1311.2	1311.2	1311.2
167.5°	1333.4	1334.7	1336.0	1336.6	1335.7	1333.9	1332.2	1330.4	1328.6	1328.6	1328.6
170°	1346.7	1348.2	1349.7	1350.5	1349.6	1347.8	1346.0	1344.2	1342.4	1342.7	1342.9
172.5°	1357.0	1358.6	1360.1	1360.9	1360.0	1358.2	1356.4	1354.6	1352.8	1353.0	1353.3
175°	1364.0	1365.5	1367.0	1367.8	1366.9	1365.1	1363.3	1361.5	1359.7	1360.2	1360.7
177.5°	1367.4	1369.0	1370.5	1371.3	1370.5	1369.0	1367.4	1365.9	1364.3	1364.8	1365.3
180°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5
2.5°	1751.1	1744.5	1740.6	1743.2	1735.3	1715.7	1715.7	1722.2	1714.3	1706.5	1694.7
5°	1799.6	1786.5	1778.6	1777.3	1758.9	1727.5	1720.9	1714.3	1697.3	1678.9	1659.3
7.5°	1846.8	1823.2	1810.1	1800.9	1774.7	1734.0	1717.0	1702.5	1675.0	1647.4	1622.5
10°	1886.2	1852.1	1836.3	1821.9	1787.8	1736.6	1709.1	1682.9	1647.4	1612.0	1580.6
12.5°	1917.7	1878.3	1858.6	1837.6	1795.7	1728.8	1694.7	1652.7	1617.3	1570.1	1538.6
15°	1970.1	1888.8	1870.4	1850.8	1807.5	1715.7	1673.7	1626.5	1577.9	1515.0	1480.9
17.5°	2012.1	1903.2	1901.9	1859.9	1803.5	1710.4	1646.1	1584.5	1532.0	1469.1	1415.3
20°	2037.0	1925.5	1904.5	1861.2	1790.4	1675.0	1608.1	1539.9	1483.5	1407.4	1353.6
22.5°	2058.0	1957.0	1901.9	1849.4	1762.9	1663.2	1564.8	1500.5	1423.2	1340.5	1289.4
25°	2065.9	1963.6	1905.8	1845.5	1743.2	1629.1	1517.6	1448.1	1361.5	1286.7	1217.2
27.5°	2067.2	1962.2	1891.4	1828.5	1715.7	1584.5	1470.4	1396.9	1301.2	1214.6	1145.1
30°	2054.1	1947.8	1883.5	1815.3	1689.4	1543.8	1412.7	1331.3	1229.0	1142.5	1070.3
32.5°	2014.7	1919.0	1866.5	1791.7	1655.3	1487.4	1357.6	1267.1	1159.5	1074.3	1004.7
35°	1949.1	1883.5	1825.8	1756.3	1610.7	1435.0	1302.5	1196.2	1087.4	1006.0	940.5
37.5°	1867.8	1832.4	1778.6	1710.4	1559.6	1387.7	1240.8	1122.8	1013.9	935.2	870.9
40°	1757.6	1766.8	1714.3	1652.7	1499.2	1323.5	1160.8	1048.0	945.7	872.3	809.3
42.5°	1638.3	1676.3	1646.1	1587.1	1432.3	1252.6	1101.8	977.2	877.5	801.4	749.0
45°	1509.7	1575.3	1556.9	1513.7	1362.8	1177.9	1017.9	897.2	809.3	735.8	689.9
47.5°	1369.4	1462.5	1462.5	1431.0	1285.4	1103.1	945.7	822.4	735.8	683.4	638.8
50°	1226.4	1331.3	1348.4	1327.4	1198.9	1017.9	857.8	746.3	671.6	620.4	587.6
52.5°	1076.9	1198.9	1230.3	1219.8	1107.0	936.5	785.7	676.8	608.6	564.0	535.2
55°	933.9	1075.6	1109.7	1113.6	1008.7	847.3	705.7	609.9	544.3	514.2	489.3
57.5°	798.8	935.2	973.3	979.8	909.0	766.0	630.9	547.0	487.9	463.0	443.3
60°	683.4	797.5	847.3	861.8	800.1	671.6	561.4	480.1	435.5	411.9	393.5
62.5°	588.9	680.8	733.2	737.2	709.6	588.9	489.3	421.0	383.0	362.0	352.8
65°	497.1	579.8	611.2	627.0	604.7	510.2	422.4	366.0	335.8	317.4	308.2
67.5°	423.7	476.1	502.4	523.4	501.1	430.2	359.4	313.5	291.2	272.8	267.6
70°	347.6	390.9	410.6	431.5	411.9	358.1	306.9	265.0	245.3	230.9	224.3
72.5°	278.1	312.2	330.5	343.7	331.9	287.3	245.3	216.4	202.0	191.5	187.6
75°	220.4	244.0	254.5	263.6	258.4	224.3	198.1	174.5	161.3	152.2	149.5
77.5°	167.9	184.9	196.7	199.4	192.8	170.5	148.2	133.8	123.3	118.0	115.4
80°	119.4	129.9	136.4	140.3	133.8	124.6	108.9	98.4	89.2	82.6	81.3
82.5°	80.0	85.3	90.5	89.2	86.6	78.7	69.5	64.3	60.3	55.1	55.1
85°	45.9	47.2	49.8	51.2	49.8	44.6	39.3	36.7	34.1	30.2	30.2
87.5°	19.7	21.0	21.0	22.3	19.7	19.7	17.1	14.4	14.4	13.1	11.8
90°	23.5	17.8	15.0	13.5	10.4	7.3	4.3	1.2	4.3	7.3	10.4
92.5°	35.0	34.7	34.6	33.6	31.5	29.5	27.4	25.4	27.4	29.5	31.5
95°	72.4	71.9	71.6	70.3	67.7	65.2	62.6	60.0	62.6	65.2	67.7
97.5°	112.3	111.3	110.8	109.6	107.3	105.0	102.7	100.4	102.7	105.0	107.3
100°	157.0	156.2	155.8	154.8	152.7	150.7	148.6	146.6	148.6	150.7	152.7
102.5°	203.5	202.5	202.0	201.2	199.7	198.2	196.6	195.1	196.6	198.2	199.7
105°	252.4	251.9	251.6	251.2	250.5	249.7	249.0	248.2	249.0	249.7	250.5
107.5°	305.9	305.9	305.9	305.4	304.4	303.3	302.3	301.3	302.3	303.3	304.4
110°	359.0	359.0	359.0	358.2	356.7	355.1	353.6	352.0	353.6	355.1	356.7

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	414.0	414.3	414.4	413.6	412.1	410.6	409.0	407.5	409.0	410.6	412.1
115°	467.8	468.3	468.6	467.8	466.3	464.8	463.2	461.7	463.2	464.8	466.3
117.5°	523.3	524.6	525.2	524.2	522.1	520.1	518.0	516.0	518.0	520.1	522.1
120°	576.3	578.4	579.4	578.4	576.3	574.3	572.2	570.2	572.2	574.3	576.3
122.5°	629.5	630.8	631.4	630.1	627.5	625.0	622.4	619.8	622.4	625.0	627.5
125°	681.0	681.8	682.2	681.0	678.7	676.4	674.1	671.8	674.1	676.4	678.7
127.5°	733.7	734.8	735.3	733.9	731.1	728.2	725.4	722.6	725.4	728.2	731.1
130°	784.1	784.6	784.9	783.2	779.9	776.6	773.2	769.9	773.2	776.6	779.9
132.5°	834.9	834.6	834.5	833.2	830.7	828.1	825.6	823.0	825.6	828.1	830.7
135°	882.7	882.2	881.9	880.5	877.7	874.8	872.0	869.2	872.0	874.8	877.7
137.5°	931.1	930.6	930.3	929.1	926.8	924.5	922.2	919.9	922.2	924.5	926.8
140°	977.3	976.0	975.4	974.2	971.9	969.6	967.3	965.0	967.3	969.6	971.9
142.5°	1022.7	1021.9	1021.5	1020.3	1018.0	1015.7	1013.4	1011.1	1013.4	1015.7	1018.0
145°	1065.4	1063.9	1063.1	1062.2	1060.4	1058.6	1056.8	1055.0	1056.8	1058.6	1060.4
147.5°	1106.1	1105.1	1104.6	1103.4	1101.1	1098.8	1096.5	1094.2	1096.5	1098.8	1101.1
150°	1143.1	1142.1	1141.6	1140.8	1139.3	1137.7	1136.2	1134.6	1136.2	1137.7	1139.3
152.5°	1179.2	1177.9	1177.3	1176.5	1175.0	1173.5	1171.9	1170.4	1171.9	1173.5	1175.0
155°	1210.8	1210.1	1209.7	1209.3	1208.5	1207.8	1207.0	1206.2	1207.0	1207.8	1208.5
157.5°	1240.5	1240.0	1239.7	1239.4	1238.9	1238.4	1237.9	1237.4	1237.9	1238.4	1238.9
160°	1267.8	1267.5	1267.4	1267.1	1266.6	1266.1	1265.6	1265.1	1265.6	1266.1	1266.6
162.5°	1290.9	1290.6	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5	1290.5
165°	1311.2	1311.2	1311.2	1311.3	1311.6	1311.9	1312.1	1312.4	1312.1	1311.9	1311.6
167.5°	1328.6	1328.6	1328.6	1329.0	1329.7	1330.5	1331.2	1332.0	1331.2	1330.5	1329.7
170°	1343.2	1343.5	1343.6	1344.0	1344.7	1345.5	1346.2	1347.0	1346.2	1345.5	1344.7
172.5°	1353.5	1353.8	1353.9	1354.3	1355.1	1355.8	1356.6	1357.4	1356.6	1355.8	1355.1
175°	1361.2	1361.7	1362.0	1362.4	1363.2	1363.9	1364.7	1365.5	1364.7	1363.9	1363.2
177.5°	1365.8	1366.3	1366.6	1367.0	1367.8	1368.5	1369.3	1370.1	1369.3	1368.5	1367.8
180°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5
2.5°	1688.1	1694.7	1693.4	1680.2	1665.8	1654.0	1631.7	1634.3	1626.5	1627.8	1635.6
5°	1646.1	1646.1	1640.9	1622.5	1598.9	1585.8	1560.9	1554.3	1538.6	1537.3	1536.0
7.5°	1601.5	1595.0	1588.4	1562.2	1533.3	1512.3	1478.2	1470.4	1454.6	1444.1	1438.9
10°	1549.1	1539.9	1526.8	1496.6	1461.2	1435.0	1399.5	1389.1	1358.9	1345.8	1337.9
12.5°	1491.4	1486.1	1465.1	1440.2	1382.5	1353.6	1302.5	1313.0	1282.8	1256.6	1252.6
15°	1433.6	1414.0	1402.2	1361.5	1292.0	1278.9	1238.2	1217.2	1189.7	1168.7	1168.7
17.5°	1377.2	1347.1	1320.8	1277.6	1226.4	1189.7	1159.5	1149.0	1114.9	1093.9	1090.0
20°	1302.5	1268.4	1261.8	1200.2	1164.8	1124.1	1095.2	1069.0	1044.1	1034.9	1028.3
22.5°	1231.7	1192.3	1181.8	1129.3	1093.9	1053.3	1024.4	1006.0	987.7	981.1	969.3
25°	1155.6	1132.0	1116.2	1059.8	1020.5	982.4	962.8	949.6	932.6	931.3	923.4
27.5°	1082.1	1059.8	1044.1	990.3	961.4	926.0	910.3	895.9	886.7	882.7	878.8
30°	1019.2	994.2	975.9	936.5	901.1	872.3	859.1	850.0	844.7	838.2	836.8
32.5°	949.6	935.2	910.3	880.1	852.6	825.0	817.2	810.6	802.7	800.1	798.8
35°	890.6	870.9	855.2	821.1	809.3	785.7	776.5	771.3	760.8	758.1	755.5
37.5°	832.9	814.5	797.5	776.5	754.2	741.1	735.8	728.0	722.7	724.0	721.4
40°	775.2	760.8	747.6	725.3	712.2	705.7	695.2	687.3	684.7	686.0	684.7
42.5°	718.8	705.7	697.8	680.8	667.6	661.1	654.5	646.6	650.6	650.6	654.5
45°	667.6	655.8	650.6	637.5	629.6	619.1	612.5	611.2	616.5	615.2	615.2
47.5°	615.2	611.2	604.7	592.9	582.4	575.8	574.5	574.5	579.8	582.4	581.1
50°	574.5	566.6	558.8	549.6	541.7	539.1	535.2	537.8	543.0	543.0	545.7
52.5°	523.4	518.1	515.5	507.6	502.4	502.4	502.4	503.7	507.6	511.5	510.2
55°	478.8	474.8	472.2	468.3	461.7	463.0	461.7	464.3	468.3	472.2	474.8
57.5°	431.5	430.2	427.6	421.0	421.0	419.7	423.7	425.0	431.5	434.2	438.1
60°	389.6	385.6	385.6	380.4	380.4	380.4	384.3	388.3	393.5	394.8	397.4
62.5°	345.0	345.0	343.7	339.7	339.7	343.7	345.0	350.2	352.8	352.8	356.8
65°	303.0	301.7	300.4	301.7	303.0	303.0	306.9	309.6	312.2	313.5	314.8
67.5°	261.0	259.7	262.3	261.0	263.6	268.9	267.6	271.5	275.4	275.4	276.8
70°	221.7	224.3	223.0	225.6	224.3	226.9	230.9	232.2	232.2	233.5	237.4
72.5°	184.9	184.9	184.9	183.6	184.9	187.6	190.2	191.5	194.1	195.4	199.4
75°	149.5	149.5	146.9	149.5	149.5	152.2	154.8	154.8	154.8	157.4	161.3
77.5°	112.8	114.1	112.8	115.4	115.4	116.7	119.4	118.0	120.7	122.0	123.3
80°	82.6	81.3	81.3	81.3	82.6	82.6	85.3	86.6	86.6	90.5	87.9
82.5°	52.5	53.8	52.5	53.8	53.8	55.1	53.8	55.1	56.4	59.0	57.7
85°	30.2	28.9	28.9	30.2	28.9	28.9	30.2	28.9	30.2	28.9	30.2
87.5°	11.8	10.5	10.5	10.5	10.5	9.2	9.2	7.9	7.9	7.9	6.6
90°	13.5	15.0	17.8	23.5	29.1	34.8	40.4	39.9	39.4	38.9	38.4
92.5°	33.6	34.6	34.7	35.0	35.3	35.5	35.8	36.0	36.3	36.5	36.8
95°	70.3	71.6	71.9	72.4	72.9	73.4	73.9	73.9	73.9	73.9	73.9
97.5°	109.6	110.8	111.3	112.3	113.4	114.4	115.4	115.4	115.4	115.4	115.4
100°	154.8	155.8	156.2	157.0	157.7	158.5	159.3	159.3	159.3	159.3	159.3
102.5°	201.2	202.0	202.5	203.5	204.6	205.6	206.6	206.9	207.1	207.4	207.7
105°	251.2	251.6	251.9	252.4	252.9	253.4	253.9	254.4	254.9	255.4	255.9
107.5°	305.4	305.9	305.9	305.9	305.9	305.9	305.9	306.1	306.4	306.6	306.9
110°	358.2	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	413.6	414.4	414.3	414.0	413.7	413.5	413.2	412.4	411.7	410.9	410.2
115°	467.8	468.6	468.3	467.8	467.3	466.8	466.3	466.1	465.8	465.6	465.3
117.5°	524.2	525.2	524.6	523.3	522.0	520.7	519.4	518.6	517.9	517.1	516.4
120°	578.4	579.4	578.4	576.3	574.3	572.2	570.2	570.2	570.2	570.2	570.2
122.5°	630.1	631.4	630.8	629.5	628.2	626.9	625.6	624.8	624.0	623.3	622.5
125°	681.0	682.2	681.8	681.0	680.3	679.5	678.7	677.9	677.1	676.4	675.6
127.5°	733.9	735.3	734.8	733.7	732.7	731.6	730.6	729.6	728.6	727.5	726.5
130°	783.2	784.9	784.6	784.1	783.6	783.1	782.6	782.1	781.6	781.1	780.6
132.5°	833.2	834.5	834.6	834.9	835.2	835.4	835.7	834.4	833.1	831.8	830.5
135°	880.5	881.9	882.2	882.7	883.2	883.7	884.2	883.9	883.7	883.4	883.1
137.5°	929.1	930.3	930.6	931.1	931.6	932.1	932.6	932.4	932.1	931.9	931.6
140°	974.2	975.4	976.0	977.3	978.6	979.8	981.1	981.1	981.1	981.1	981.1
142.5°	1020.3	1021.5	1021.9	1022.7	1023.4	1024.2	1025.0	1025.2	1025.5	1025.7	1026.0
145°	1062.2	1063.1	1063.9	1065.4	1066.9	1068.5	1070.0	1070.3	1070.5	1070.8	1071.1
147.5°	1103.4	1104.6	1105.1	1106.1	1107.2	1108.2	1109.2	1109.7	1110.3	1110.8	1111.3
150°	1140.8	1141.6	1142.1	1143.1	1144.2	1145.2	1146.2	1147.0	1147.7	1148.5	1149.2
152.5°	1176.5	1177.3	1177.9	1179.2	1180.5	1181.8	1183.1	1184.1	1185.1	1186.2	1187.2
155°	1209.3	1209.7	1210.1	1210.8	1211.6	1212.3	1213.1	1214.4	1215.7	1217.0	1218.3
157.5°	1239.4	1239.7	1240.0	1240.5	1241.0	1241.5	1242.0	1243.8	1245.6	1247.4	1249.2
160°	1267.1	1267.4	1267.5	1267.8	1268.0	1268.3	1268.5	1270.1	1271.6	1273.2	1274.7
162.5°	1290.5	1290.5	1290.6	1290.9	1291.1	1291.4	1291.6	1293.4	1295.2	1297.0	1298.8
165°	1311.3	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1313.0	1314.8	1316.6	1318.4
167.5°	1329.0	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6	1330.4	1332.2	1333.9	1335.7
170°	1344.0	1343.6	1343.5	1343.2	1342.9	1342.7	1342.4	1344.2	1346.0	1347.8	1349.6
172.5°	1354.3	1353.9	1353.8	1353.5	1353.3	1353.0	1352.8	1354.6	1356.4	1358.2	1360.0
175°	1362.4	1362.0	1361.7	1361.2	1360.7	1360.2	1359.7	1361.5	1363.3	1365.1	1366.9
177.5°	1367.0	1366.6	1366.3	1365.8	1365.3	1364.8	1364.3	1365.9	1367.4	1369.0	1370.5
180°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5
2.5°	1626.5	1630.4	1621.2	1618.6	1621.2	1612.0	1614.7	1617.3	1617.3	1621.2	1623.8
5°	1532.0	1526.8	1517.6	1515.0	1512.3	1516.3	1513.7	1517.6	1518.9	1528.1	1529.4
7.5°	1438.9	1431.0	1423.2	1415.3	1412.7	1406.1	1412.7	1412.7	1421.8	1419.2	1425.8
10°	1328.7	1327.4	1316.9	1313.0	1307.7	1297.2	1311.7	1307.7	1314.3	1326.1	1328.7
12.5°	1247.4	1233.0	1239.5	1221.2	1227.7	1217.2	1218.5	1218.5	1229.0	1230.3	1227.7
15°	1170.0	1158.2	1141.1	1133.3	1129.3	1124.1	1141.1	1142.5	1134.6	1153.0	1146.4
17.5°	1091.3	1091.3	1075.6	1071.6	1061.1	1066.4	1063.8	1065.1	1062.4	1075.6	1082.1
20°	1023.1	1016.5	1011.3	1012.6	999.5	996.9	994.2	996.9	1006.0	1015.2	1017.9
22.5°	968.0	964.1	951.0	953.6	943.1	947.0	944.4	951.0	952.3	952.3	961.4
25°	915.5	910.3	911.6	906.4	902.4	902.4	898.5	902.4	907.7	910.3	911.6
27.5°	876.2	872.3	865.7	861.8	864.4	857.8	863.1	867.0	867.0	864.4	867.0
30°	829.0	831.6	831.6	818.5	823.7	821.1	825.0	827.7	827.7	829.0	826.3
32.5°	797.5	789.6	788.3	787.0	787.0	781.8	781.8	785.7	787.0	788.3	792.2
35°	755.5	755.5	749.0	752.9	747.6	749.0	747.6	749.0	751.6	747.6	751.6
37.5°	717.5	718.8	716.2	718.8	720.1	717.5	714.9	720.1	717.5	717.5	714.9
40°	684.7	683.4	684.7	684.7	684.7	686.0	683.4	683.4	683.4	680.8	678.1
42.5°	657.1	649.3	651.9	653.2	649.3	649.3	650.6	649.3	653.2	645.3	645.3
45°	617.8	615.2	616.5	616.5	619.1	615.2	617.8	619.1	615.2	613.9	611.2
47.5°	582.4	585.0	582.4	585.0	585.0	587.6	582.4	583.7	585.0	579.8	575.8
50°	547.0	547.0	550.9	549.6	550.9	548.3	548.3	547.0	548.3	545.7	541.7
52.5°	514.2	510.2	516.8	515.5	514.2	512.9	511.5	512.9	510.2	507.6	507.6
55°	473.5	473.5	477.4	478.8	478.8	476.1	473.5	474.8	473.5	472.2	470.9
57.5°	440.7	435.5	438.1	439.4	439.4	435.5	438.1	435.5	435.5	436.8	432.8
60°	398.7	398.7	396.1	400.1	400.1	397.4	397.4	398.7	396.1	394.8	393.5
62.5°	354.1	355.5	359.4	360.7	362.0	359.4	356.8	358.1	358.1	354.1	355.5
65°	316.1	318.7	324.0	322.7	320.0	321.4	318.7	320.0	316.1	317.4	313.5
67.5°	279.4	278.1	279.4	279.4	282.0	280.7	278.1	278.1	276.8	280.7	276.8
70°	240.0	240.0	240.0	240.0	241.3	242.7	240.0	237.4	238.7	236.1	234.8
72.5°	199.4	200.7	199.4	202.0	198.1	200.7	200.7	199.4	198.1	198.1	198.1
75°	161.3	164.0	160.0	161.3	160.0	162.6	161.3	161.3	158.7	157.4	158.7
77.5°	123.3	124.6	122.0	123.3	122.0	123.3	123.3	122.0	122.0	122.0	122.0
80°	87.9	89.2	87.9	86.6	85.3	87.9	85.3	86.6	87.9	86.6	89.2
82.5°	56.4	56.4	55.1	56.4	53.8	53.8	55.1	55.1	53.8	56.4	53.8
85°	27.5	27.5	30.2	27.5	26.2	26.2	26.2	27.5	26.2	28.9	27.5
87.5°	6.6	5.2	6.6	6.6	5.2	5.2	6.6	5.2	6.6	7.9	5.2
90°	38.1	38.2	38.5	38.7	39.0	39.2	39.0	38.7	38.5	38.2	38.1
92.5°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
95°	73.9	73.6	73.1	72.6	72.1	71.6	72.1	72.6	73.1	73.6	73.9
97.5°	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4
100°	159.3	159.2	158.9	158.6	158.4	158.1	158.4	158.6	158.9	159.2	159.3
102.5°	207.8	207.7	207.4	207.1	206.9	206.6	206.9	207.1	207.4	207.7	207.8
105°	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
107.5°	307.0	306.4	305.1	303.8	302.6	301.3	302.6	303.8	305.1	306.4	307.0
110°	359.0	358.6	357.8	357.1	356.3	355.5	356.3	357.1	357.8	358.6	359.0

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	409.8	409.5	409.0	408.5	408.0	407.5	408.0	408.5	409.0	409.5	409.8
115°	465.2	464.8	464.0	463.3	462.5	461.7	462.5	463.3	464.0	464.8	465.2
117.5°	516.0	515.6	514.8	514.1	513.3	512.5	513.3	514.1	514.8	515.6	516.0
120°	570.2	569.8	569.0	568.3	567.5	566.7	567.5	568.3	569.0	569.8	570.2
122.5°	622.1	621.8	621.3	620.8	620.3	619.8	620.3	620.8	621.3	621.8	622.1
125°	675.2	675.1	674.8	674.6	674.3	674.1	674.3	674.6	674.8	675.1	675.2
127.5°	726.0	725.6	724.9	724.1	723.4	722.6	723.4	724.1	724.9	725.6	726.0
130°	780.3	779.8	778.8	777.7	776.7	775.7	776.7	777.7	778.8	779.8	780.3
132.5°	829.9	829.5	828.8	828.0	827.3	826.5	827.3	828.0	828.8	829.5	829.9
135°	883.0	882.6	881.8	881.1	880.3	879.5	880.3	881.1	881.8	882.6	883.0
137.5°	931.5	931.0	930.0	928.9	927.9	926.9	927.9	928.9	930.0	931.0	931.5
140°	981.1	980.6	979.6	978.5	977.5	976.5	977.5	978.5	979.6	980.6	981.1
142.5°	1026.1	1025.6	1024.6	1023.5	1022.5	1021.5	1022.5	1023.5	1024.6	1025.6	1026.1
145°	1071.2	1070.7	1069.6	1068.6	1067.5	1066.5	1067.5	1068.6	1069.6	1070.7	1071.2
147.5°	1111.6	1111.1	1110.0	1109.0	1107.9	1106.9	1107.9	1109.0	1110.0	1111.1	1111.6
150°	1149.6	1149.2	1148.5	1147.7	1147.0	1146.2	1147.0	1147.7	1148.5	1149.2	1149.6
152.5°	1187.7	1187.2	1186.2	1185.1	1184.1	1183.1	1184.1	1185.1	1186.2	1187.2	1187.7
155°	1218.9	1218.5	1217.7	1217.0	1216.2	1215.4	1216.2	1217.0	1217.7	1218.5	1218.9
157.5°	1250.1	1249.5	1248.2	1246.9	1245.6	1244.3	1245.6	1246.9	1248.2	1249.5	1250.1
160°	1275.5	1275.0	1273.9	1272.9	1271.8	1270.8	1271.8	1272.9	1273.9	1275.0	1275.5
162.5°	1299.7	1299.1	1297.8	1296.5	1295.2	1293.9	1295.2	1296.5	1297.8	1299.1	1299.7
165°	1319.3	1318.7	1317.4	1316.1	1314.8	1313.5	1314.8	1316.1	1317.4	1318.7	1319.3
167.5°	1336.6	1336.0	1334.7	1333.4	1332.2	1330.9	1332.2	1333.4	1334.7	1336.0	1336.6
170°	1350.5	1349.7	1348.2	1346.7	1345.1	1343.6	1345.1	1346.7	1348.2	1349.7	1350.5
172.5°	1360.9	1360.1	1358.6	1357.0	1355.5	1353.9	1355.5	1357.0	1358.6	1360.1	1360.9
175°	1367.8	1367.0	1365.5	1364.0	1362.4	1360.9	1362.4	1364.0	1365.5	1367.0	1367.8
177.5°	1371.3	1370.5	1369.0	1367.4	1365.9	1364.3	1365.9	1367.4	1369.0	1370.5	1371.3
180°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5	1706.5
2.5°	1619.9	1630.4	1626.5	1612.0	1629.1	1629.1	1640.9	1640.9	1655.3	1660.6	1668.4
5°	1528.1	1536.0	1542.5	1536.0	1547.8	1566.1	1576.6	1585.8	1605.5	1613.3	1625.2
7.5°	1429.7	1444.1	1450.7	1450.7	1470.4	1491.4	1512.3	1525.5	1553.0	1563.5	1575.3
10°	1334.0	1351.0	1364.1	1362.8	1395.6	1408.7	1435.0	1465.1	1492.7	1508.4	1525.5
12.5°	1233.0	1242.1	1260.5	1286.7	1294.6	1318.2	1348.4	1386.4	1436.3	1450.7	1475.6
15°	1149.0	1173.9	1188.4	1200.2	1218.5	1240.8	1273.6	1310.4	1360.2	1391.7	1417.9
17.5°	1078.2	1111.0	1120.2	1117.5	1141.1	1175.2	1213.3	1240.8	1285.4	1323.5	1348.4
20°	1020.5	1033.6	1049.3	1055.9	1074.3	1111.0	1147.7	1179.2	1215.9	1246.1	1274.9
22.5°	962.8	973.3	986.4	998.2	1012.6	1033.6	1069.0	1108.4	1143.8	1172.6	1205.4
25°	915.5	922.1	933.9	943.1	958.8	973.3	998.2	1041.5	1083.4	1100.5	1129.3
27.5°	869.6	874.9	882.7	893.2	901.1	915.5	937.8	973.3	1016.5	1033.6	1072.9
30°	829.0	832.9	840.8	846.0	850.0	867.0	884.1	911.6	944.4	968.0	996.9
32.5°	790.9	794.9	802.7	804.0	809.3	818.5	834.2	859.1	888.0	907.7	932.6
35°	749.0	751.6	759.5	762.1	766.0	773.9	785.7	804.0	830.3	844.7	867.0
37.5°	716.2	714.9	720.1	724.0	729.3	733.2	737.2	755.5	775.2	788.3	805.4
40°	680.8	678.1	679.4	684.7	687.3	692.6	692.6	710.9	724.0	734.5	747.6
42.5°	645.3	644.0	641.4	644.0	646.6	648.0	649.3	662.4	675.5	684.7	699.1
45°	609.9	608.6	606.0	607.3	607.3	609.9	613.9	619.1	628.3	636.2	644.0
47.5°	577.1	574.5	570.6	569.3	571.9	571.9	571.9	577.1	586.3	588.9	596.8
50°	543.0	539.1	533.8	531.2	531.2	529.9	532.5	533.8	541.7	544.3	550.9
52.5°	506.3	503.7	498.4	493.2	494.5	491.9	493.2	494.5	497.1	501.1	505.0
55°	469.6	464.3	460.4	459.1	455.1	455.1	451.2	456.5	455.1	456.5	461.7
57.5°	434.2	428.9	422.4	419.7	415.8	414.5	411.9	410.6	411.9	415.8	419.7
60°	392.2	389.6	385.6	381.7	379.1	375.1	372.5	372.5	371.2	371.2	372.5
62.5°	351.5	350.2	345.0	343.7	341.0	338.4	334.5	331.9	331.9	334.5	335.8
65°	312.2	310.9	306.9	305.6	299.1	296.4	295.1	293.8	291.2	291.2	291.2
67.5°	275.4	271.5	271.5	265.0	259.7	257.1	254.5	253.2	253.2	253.2	254.5
70°	234.8	234.8	230.9	226.9	221.7	223.0	219.0	215.1	215.1	212.5	213.8
72.5°	195.4	194.1	190.2	188.9	184.9	181.0	178.4	181.0	177.1	175.8	177.1
75°	157.4	156.1	153.5	150.8	152.2	148.2	144.3	143.0	143.0	140.3	140.3
77.5°	120.7	123.3	118.0	116.7	114.1	111.5	110.2	108.9	108.9	108.9	111.5
80°	83.9	85.3	85.3	82.6	83.9	80.0	80.0	80.0	76.1	77.4	78.7
82.5°	53.8	53.8	52.5	53.8	52.5	52.5	51.2	51.2	49.8	49.8	51.2
85°	30.2	28.9	27.5	30.2	28.9	28.9	27.5	27.5	27.5	27.5	27.5
87.5°	6.6	7.9	7.9	7.9	7.9	9.2	9.2	9.2	10.5	10.5	10.5
90°	38.4	38.9	39.4	39.9	40.4	34.8	29.1	23.5	17.8	15.0	13.5
92.5°	36.8	36.5	36.3	36.0	35.8	35.5	35.3	35.0	34.7	34.6	33.6
95°	73.9	73.9	73.9	73.9	73.9	73.4	72.9	72.4	71.9	71.6	70.3
97.5°	115.4	115.4	115.4	115.4	115.4	114.4	113.4	112.3	111.3	110.8	109.6
100°	159.3	159.3	159.3	159.3	159.3	158.5	157.7	157.0	156.2	155.8	154.8
102.5°	207.7	207.4	207.1	206.9	206.6	205.6	204.6	203.5	202.5	202.0	201.2
105°	255.9	255.4	254.9	254.4	253.9	253.4	252.9	252.4	251.9	251.6	251.2
107.5°	306.9	306.6	306.4	306.1	305.9	305.9	305.9	305.9	305.9	305.9	305.4
110°	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	359.0	358.2

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	410.2	410.9	411.7	412.4	413.2	413.5	413.7	414.0	414.3	414.4	413.6
115°	465.3	465.6	465.8	466.1	466.3	466.8	467.3	467.8	468.3	468.6	467.8
117.5°	516.4	517.1	517.9	518.6	519.4	520.7	522.0	523.3	524.6	525.2	524.2
120°	570.2	570.2	570.2	570.2	570.2	572.2	574.3	576.3	578.4	579.4	578.4
122.5°	622.5	623.3	624.0	624.8	625.6	626.9	628.2	629.5	630.8	631.4	630.1
125°	675.6	676.4	677.1	677.9	678.7	679.5	680.3	681.0	681.8	682.2	681.0
127.5°	726.5	727.5	728.6	729.6	730.6	731.6	732.7	733.7	734.8	735.3	733.9
130°	780.6	781.1	781.6	782.1	782.6	783.1	783.6	784.1	784.6	784.9	783.2
132.5°	830.5	831.8	833.1	834.4	835.7	835.4	835.2	834.9	834.6	834.5	833.2
135°	883.1	883.4	883.7	883.9	884.2	883.7	883.2	882.7	882.2	881.9	880.5
137.5°	931.6	931.9	932.1	932.4	932.6	932.1	931.6	931.1	930.6	930.3	929.1
140°	981.1	981.1	981.1	981.1	981.1	979.8	978.6	977.3	976.0	975.4	974.2
142.5°	1026.0	1025.7	1025.5	1025.2	1025.0	1024.2	1023.4	1022.7	1021.9	1021.5	1020.3
145°	1071.1	1070.8	1070.5	1070.3	1070.0	1068.5	1066.9	1065.4	1063.9	1063.1	1062.2
147.5°	1111.3	1110.8	1110.3	1109.7	1109.2	1108.2	1107.2	1106.1	1105.1	1104.6	1103.4
150°	1149.2	1148.5	1147.7	1147.0	1146.2	1145.2	1144.2	1143.1	1142.1	1141.6	1140.8
152.5°	1187.2	1186.2	1185.1	1184.1	1183.1	1181.8	1180.5	1179.2	1177.9	1177.3	1176.5
155°	1218.3	1217.0	1215.7	1214.4	1213.1	1212.3	1211.6	1210.8	1210.1	1209.7	1209.3
157.5°	1249.2	1247.4	1245.6	1243.8	1242.0	1241.5	1241.0	1240.5	1240.0	1239.7	1239.4
160°	1274.7	1273.2	1271.6	1270.1	1268.5	1268.3	1268.0	1267.8	1267.5	1267.4	1267.1
162.5°	1298.8	1297.0	1295.2	1293.4	1291.6	1291.4	1291.1	1290.9	1290.6	1290.5	1290.5
165°	1318.4	1316.6	1314.8	1313.0	1311.2	1311.2	1311.2	1311.2	1311.2	1311.2	1311.3
167.5°	1335.7	1333.9	1332.2	1330.4	1328.6	1328.6	1328.6	1328.6	1328.6	1328.6	1329.0
170°	1349.6	1347.8	1346.0	1344.2	1342.4	1342.7	1342.9	1343.2	1343.5	1343.6	1344.0
172.5°	1360.0	1358.2	1356.4	1354.6	1352.8	1353.0	1353.3	1353.5	1353.8	1353.9	1354.3
175°	1366.9	1365.1	1363.3	1361.5	1359.7	1360.2	1360.7	1361.2	1361.7	1362.0	1362.4
177.5°	1370.5	1369.0	1367.4	1365.9	1364.3	1364.8	1365.3	1365.8	1366.3	1366.6	1367.0
180°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1706.5	1706.5	1706.5	1706.5
2.5°	1675.0	1675.0	1694.7	1715.7
5°	1638.3	1647.4	1678.9	1707.8
7.5°	1602.9	1618.6	1657.9	1694.7
10°	1559.6	1580.6	1629.1	1672.4
12.5°	1517.6	1537.3	1593.7	1642.2
15°	1458.6	1483.5	1543.8	1604.2
17.5°	1399.5	1424.5	1497.9	1568.7
20°	1330.0	1362.8	1445.5	1539.9
22.5°	1265.8	1306.4	1398.2	1474.3
25°	1194.9	1257.9	1343.1	1441.5
27.5°	1132.0	1194.9	1281.5	1381.2
30°	1061.1	1125.4	1214.6	1306.4
32.5°	992.9	1052.0	1138.5	1251.3
35°	922.1	978.5	1062.4	1176.6
37.5°	857.8	912.9	1004.7	1109.7
40°	794.9	852.6	931.3	1036.2
42.5°	735.8	787.0	857.8	962.8
45°	682.1	718.8	784.4	882.7
47.5°	625.7	658.5	718.8	817.2
50°	573.2	600.7	653.2	745.0
52.5°	522.0	545.7	594.2	667.6
55°	476.1	498.4	533.8	606.0
57.5°	428.9	446.0	480.1	537.8
60°	383.0	398.7	426.3	473.5
62.5°	337.1	350.2	376.4	414.5
65°	296.4	306.9	326.6	359.4
67.5°	257.1	263.6	279.4	305.6
70°	219.0	224.3	237.4	258.4
72.5°	178.4	183.6	198.1	212.5
75°	144.3	145.6	156.1	167.9
77.5°	112.8	111.5	119.4	128.5
80°	77.4	81.3	87.9	91.8
82.5°	52.5	53.8	56.4	59.0
85°	28.9	30.2	30.2	34.1
87.5°	11.8	13.1	13.1	14.4
90°	10.4	7.3	4.3	1.2
92.5°	31.5	29.5	27.4	25.4
95°	67.7	65.2	62.6	60.0
97.5°	107.3	105.0	102.7	100.4
100°	152.7	150.7	148.6	146.6
102.5°	199.7	198.2	196.6	195.1
105°	250.5	249.7	249.0	248.2
107.5°	304.4	303.3	302.3	301.3
110°	356.7	355.1	353.6	352.0



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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	412.1	410.6	409.0	407.5
115°	466.3	464.8	463.2	461.7
117.5°	522.1	520.1	518.0	516.0
120°	576.3	574.3	572.2	570.2
122.5°	627.5	625.0	622.4	619.8
125°	678.7	676.4	674.1	671.8
127.5°	731.1	728.2	725.4	722.6
130°	779.9	776.6	773.2	769.9
132.5°	830.7	828.1	825.6	823.0
135°	877.7	874.8	872.0	869.2
137.5°	926.8	924.5	922.2	919.9
140°	971.9	969.6	967.3	965.0
142.5°	1018.0	1015.7	1013.4	1011.1
145°	1060.4	1058.6	1056.8	1055.0
147.5°	1101.1	1098.8	1096.5	1094.2
150°	1139.3	1137.7	1136.2	1134.6
152.5°	1175.0	1173.5	1171.9	1170.4
155°	1208.5	1207.8	1207.0	1206.2
157.5°	1238.9	1238.4	1237.9	1237.4
160°	1266.6	1266.1	1265.6	1265.1
162.5°	1290.5	1290.5	1290.5	1290.5
165°	1311.6	1311.9	1312.1	1312.4
167.5°	1329.7	1330.5	1331.2	1332.0
170°	1344.7	1345.5	1346.2	1347.0
172.5°	1355.1	1355.8	1356.6	1357.4
175°	1363.2	1363.9	1364.7	1365.5
177.5°	1367.8	1368.5	1369.3	1370.1
180°	1367.8	1367.8	1367.8	1367.8

TEST NUMBER: P999014

CATALOG NUMBER: SA2XXDIP-B865D1080UB40-4F0-XX-W2A-A1

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	17.26	18.09	18.23	19.06	20.34	14.75	15.58	15.72	16.56	17.84
	3H	18.07	18.81	19.05	19.79	21.10	16.10	16.83	17.07	17.82	19.12
	4H	18.24	18.93	19.23	19.92	21.23	16.56	17.25	17.55	18.24	19.55
	6H	18.28	18.92	19.28	19.92	21.24	16.86	17.50	17.86	18.50	19.82
	8H	18.26	18.87	19.27	19.88	21.20	16.94	17.56	17.95	18.57	19.89
	12H	18.22	18.80	19.23	19.81	21.15	16.99	17.57	18.00	18.57	19.91
4H	2H	17.30	18.00	18.30	18.99	20.30	15.20	15.89	16.19	16.88	18.19
	3H	18.28	18.86	19.28	19.87	21.20	16.65	17.23	17.66	18.25	19.58
	4H	18.55	19.08	19.57	20.09	21.44	17.19	17.72	18.20	18.73	20.08
	6H	18.68	19.13	19.70	20.17	21.51	17.56	18.02	18.59	19.05	20.40
	8H	18.68	19.10	19.70	20.13	21.49	17.67	18.10	18.70	19.13	20.49
	12H	18.64	19.02	19.68	20.07	21.43	17.73	18.11	18.77	19.16	20.52
8H	4H	18.56	18.98	19.58	20.01	21.37	17.33	17.75	18.35	18.78	20.14
	6H	18.73	19.09	19.78	20.16	21.51	17.76	18.11	18.81	19.18	20.54
	8H	18.76	19.07	19.82	20.13	21.50	17.91	18.22	18.97	19.27	20.65
	12H	18.75	19.02	19.81	20.07	21.49	18.00	18.27	19.06	19.32	20.74
12H	4H	18.51	18.90	19.56	19.94	21.30	17.30	17.68	18.34	18.73	20.09
	6H	18.71	19.02	19.77	20.08	21.45	17.76	18.07	18.82	19.12	20.50
	8H	18.74	19.02	19.80	20.06	21.48	17.92	18.19	18.98	19.24	20.65