

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: P999221

Luminaire Tested: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999221
REPORT IS A COMBINATION OF REPORTS P984970 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

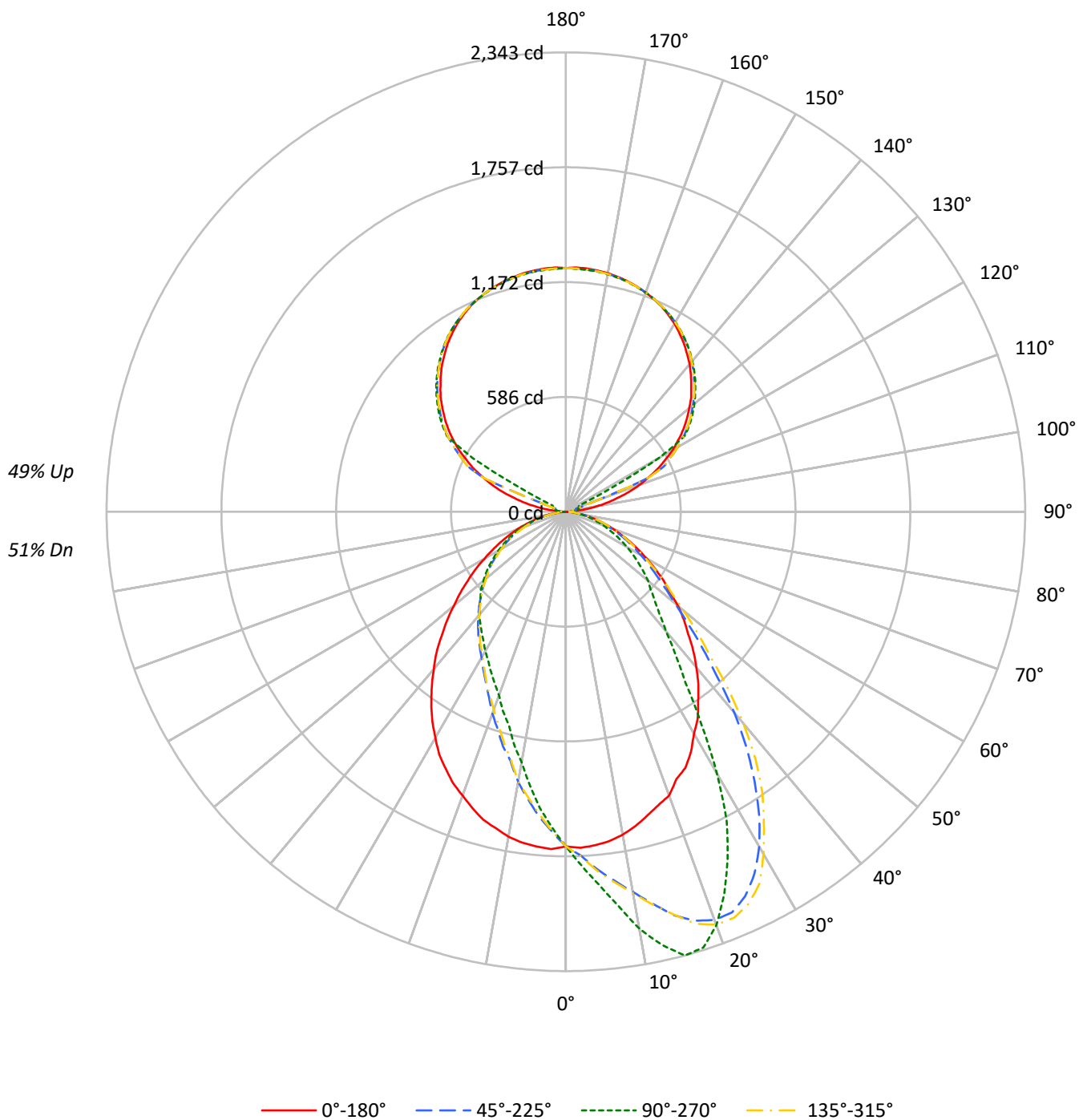
Lumens per Lamp: N/A
Luminaire Lumens: 7410.0 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 75.3
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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57
1	98	94	91	87	91	87	84	81	74	72	70	62	61	59	51	50	49
2	90	83	77	72	83	77	72	67	66	62	59	55	52	50	46	44	42
3	82	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32
5	70	58	50	45	64	54	47	42	47	41	37	40	36	33	33	30	28
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25
7	60	48	40	34	55	45	38	33	39	33	29	33	29	26	28	25	22
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	23	20
9	52	40	32	27	48	37	31	26	33	27	23	28	24	21	24	21	18
10	48	37	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17

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	2.2
10°-20°	473.1	6.4
20°-30°	686.6	9.3
30°-40°	723.8	9.8
40°-50°	640.5	8.6
50°-60°	511.4	6.9
60°-70°	347.4	4.7
70°-80°	177.7	2.4
80°-90°	44.2	0.6
90°-100°	41.0	0.6
100°-110°	152.7	2.1
110°-120°	405.1	5.5
120°-130°	671.9	9.1
130°-140°	713.7	9.6
140°-150°	663.3	9.0
150°-160°	533.3	7.2
160°-170°	343.6	4.6
170°-180°	118.3	1.6
0°-30°	1322.2	17.8
0°-40°	2046.0	27.6
0°-60°	3197.9	43.2
0°-90°	3767.2	50.8
90°-120°	598.8	8.1
90°-150°	2647.7	35.7
90°-180°	3643.0	49.2
0°-180°	7410.0	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	24	1	24	1	5
95°	58	39	58	39	58	69
105°	273	68	273	68	273	292
115°	517	74	517	74	517	509
125°	731	769	731	769	731	652
135°	904	934	904	934	904	699
145°	1049	1066	1049	1066	1049	656
155°	1155	1156	1155	1156	1155	532
165°	1217	1215	1217	1215	1217	344
175°	1245	1238	1245	1238	1245	119
180°	1243	1243	1243	1243	1243	

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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°	0.9	3.1	5.3	7.5	9.7	10.8	11.6	13.2	14.8	16.4	18.0
92.5°	22.5	21.7	20.9	20.1	19.3	18.9	19.2	19.8	20.4	21.0	21.6
95°	58.4	51.8	45.2	38.7	32.1	28.8	29.5	30.9	32.3	33.7	35.1
97.5°	105.2	88.8	72.4	56.1	39.7	31.5	33.1	36.3	39.5	42.7	45.9
100°	159.1	131.7	104.4	77.0	49.7	36.0	37.7	41.1	44.4	47.8	51.2
102.5°	218.5	218.1	217.7	217.3	216.9	216.7	198.5	162.1	125.8	89.4	53.0
105°	273.3	279.3	285.3	291.3	297.3	300.3	273.0	218.5	163.9	109.4	54.8
107.5°	337.2	342.2	347.2	352.1	357.1	359.6	325.9	258.6	191.3	123.9	56.6
110°	398.3	402.5	406.7	410.9	415.1	417.2	388.3	330.6	272.8	215.1	157.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	455.9	459.5	463.1	466.6	470.2	472.0	470.3	466.9	463.6	460.2	456.8
115°	517.0	520.4	523.8	527.2	530.6	532.3	534.8	539.8	544.8	549.8	554.8
117.5°	570.0	574.0	578.0	582.0	586.0	588.0	589.7	593.1	596.5	599.9	603.3
120°	629.4	632.4	635.4	638.4	641.4	642.9	644.7	648.3	651.9	655.5	659.1
122.5°	679.7	682.9	686.1	689.3	692.5	694.1	696.1	700.1	704.1	708.1	712.1
125°	731.0	733.6	736.2	738.8	741.4	742.7	744.6	748.4	752.2	756.0	759.8
127.5°	777.7	780.5	783.3	786.1	788.9	790.3	791.8	794.8	797.8	800.8	803.8
130°	821.8	825.0	828.2	831.4	834.6	836.2	837.3	839.5	841.7	843.9	846.1
132.5°	866.8	869.4	872.0	874.5	877.1	878.4	879.5	881.7	883.9	886.1	888.3
135°	904.5	907.7	910.9	914.1	917.3	918.9	919.8	921.6	923.4	925.2	927.0
137.5°	944.1	946.5	948.9	951.3	953.7	954.9	955.9	957.9	959.9	961.9	963.9
140°	982.7	984.3	985.9	987.5	989.1	989.9	991.0	993.2	995.4	997.6	999.8
142.5°	1015.1	1016.5	1017.9	1019.3	1020.7	1021.4	1022.7	1025.3	1027.9	1030.5	1033.1
145°	1049.3	1049.1	1048.9	1048.7	1048.5	1048.4	1050.1	1053.5	1056.9	1060.3	1063.7
147.5°	1078.9	1078.3	1077.7	1077.1	1076.5	1076.2	1077.9	1081.3	1084.7	1088.1	1091.5
150°	1107.7	1106.3	1104.9	1103.5	1102.1	1101.4	1103.0	1106.2	1109.4	1112.6	1115.8
152.5°	1132.0	1130.4	1128.8	1127.2	1125.6	1124.8	1126.3	1129.3	1132.3	1135.3	1138.3
155°	1155.4	1153.6	1151.8	1150.0	1148.2	1147.3	1148.5	1150.9	1153.3	1155.7	1158.1
157.5°	1174.2	1172.6	1171.0	1169.5	1167.9	1167.1	1168.0	1169.8	1171.5	1173.3	1175.1
160°	1190.4	1189.2	1188.0	1186.8	1185.6	1185.0	1185.6	1186.8	1188.0	1189.2	1190.4
162.5°	1204.8	1203.6	1202.4	1201.2	1200.0	1199.4	1199.9	1200.9	1201.9	1202.9	1203.9
165°	1217.4	1216.2	1215.0	1213.8	1212.6	1212.0	1212.3	1212.9	1213.5	1214.1	1214.7
167.5°	1227.3	1226.1	1224.9	1223.7	1222.5	1221.9	1222.2	1222.8	1223.4	1224.0	1224.6
170°	1235.4	1234.2	1233.0	1231.8	1230.6	1230.0	1230.2	1230.6	1231.0	1231.4	1231.8
172.5°	1240.8	1239.6	1238.4	1237.2	1236.0	1235.4	1235.6	1236.0	1236.4	1236.8	1237.2
175°	1245.3	1243.9	1242.5	1241.1	1239.7	1239.0	1239.2	1239.6	1240.0	1240.4	1240.8
177.5°	1247.1	1245.7	1244.3	1242.9	1241.5	1240.8	1240.9	1241.1	1241.3	1241.5	1241.7
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

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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°	19.0	20.0	21.0	22.0	22.5	22.7	23.1	23.5	23.9	24.3	23.9
92.5°	22.0	22.4	22.8	23.2	23.4	23.5	23.7	23.9	24.1	24.3	24.1
95°	36.1	37.1	38.1	39.1	39.6	39.5	39.3	39.1	38.9	38.7	38.9
97.5°	46.5	47.1	47.7	48.3	48.6	48.7	48.9	49.1	49.3	49.5	49.3
100°	52.8	54.4	56.0	57.6	58.4	58.6	59.0	59.4	59.8	60.2	59.8
102.5°	55.2	57.4	59.6	61.8	62.9	63.2	63.8	64.4	65.0	65.6	65.0
105°	57.0	59.2	61.4	63.6	64.7	65.1	65.9	66.7	67.5	68.3	67.5
107.5°	58.8	61.0	63.2	65.4	66.5	66.9	67.7	68.5	69.3	70.1	69.3
110°	137.3	117.3	97.4	77.4	67.4	67.8	68.6	69.4	70.2	71.0	70.2

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	370.7	284.5	198.4	112.3	69.2	69.5	70.1	70.7	71.3	71.9	71.3
115°	462.3	369.8	277.3	184.8	138.5	131.3	116.9	102.5	88.1	73.7	88.1
117.5°	574.7	546.1	517.6	489.0	474.7	448.5	396.2	343.9	291.5	239.2	291.5
120°	661.5	663.9	666.2	668.6	669.8	656.3	629.4	602.4	575.5	548.5	575.5
122.5°	713.3	714.5	715.7	716.9	717.5	717.6	717.8	718.0	718.2	718.4	718.2
125°	761.2	762.6	763.9	765.3	766.0	766.3	766.9	767.5	768.1	768.7	768.1
127.5°	805.8	807.8	809.8	811.8	812.8	812.9	813.1	813.3	813.5	813.7	813.5
130°	848.3	850.5	852.7	854.9	856.0	855.9	855.7	855.5	855.3	855.1	855.3
132.5°	890.1	891.9	893.7	895.5	896.4	896.3	896.1	895.9	895.7	895.5	895.7
135°	929.0	931.0	933.0	935.0	936.0	935.8	935.4	935.0	934.6	934.2	934.6
137.5°	965.9	967.9	969.8	971.8	972.8	972.5	971.9	971.3	970.7	970.1	970.7
140°	1001.6	1003.4	1005.2	1007.0	1007.9	1007.4	1006.4	1005.4	1004.4	1003.4	1004.4
142.5°	1034.7	1036.3	1037.9	1039.5	1040.3	1039.8	1038.8	1037.8	1036.8	1035.8	1036.8
145°	1065.1	1066.5	1067.9	1069.3	1070.0	1069.5	1068.5	1067.5	1066.5	1065.5	1066.5
147.5°	1092.5	1093.5	1094.5	1095.5	1096.0	1095.6	1094.8	1094.0	1093.2	1092.4	1093.2
150°	1117.0	1118.2	1119.4	1120.6	1121.2	1120.7	1119.7	1118.7	1117.7	1116.7	1117.7
152.5°	1139.5	1140.7	1141.9	1143.1	1143.7	1143.0	1141.6	1140.2	1138.8	1137.4	1138.8
155°	1159.3	1160.5	1161.7	1162.9	1163.5	1162.7	1161.1	1159.5	1157.9	1156.3	1157.9
157.5°	1176.5	1177.9	1179.3	1180.7	1181.4	1180.6	1179.0	1177.4	1175.8	1174.2	1175.8
160°	1191.6	1192.8	1194.0	1195.2	1195.8	1195.1	1193.7	1192.3	1190.9	1189.5	1190.9
162.5°	1205.3	1206.7	1208.1	1209.5	1210.2	1209.3	1207.5	1205.7	1203.9	1202.1	1203.9
165°	1216.1	1217.5	1218.9	1220.3	1221.0	1220.3	1218.9	1217.5	1216.1	1214.7	1216.1
167.5°	1226.0	1227.4	1228.8	1230.2	1230.9	1230.0	1228.2	1226.4	1224.6	1222.8	1224.6
170°	1233.2	1234.6	1236.0	1237.4	1238.1	1237.2	1235.4	1233.6	1231.8	1230.0	1231.8
172.5°	1238.6	1240.0	1241.4	1242.8	1243.5	1242.6	1240.8	1239.0	1237.2	1235.4	1237.2
175°	1242.2	1243.6	1245.0	1246.4	1247.1	1246.1	1244.1	1242.1	1240.1	1238.1	1240.1
177.5°	1243.1	1244.5	1245.9	1247.3	1248.0	1247.1	1245.3	1243.5	1241.7	1239.9	1241.7
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

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°	23.5	23.1	22.7	22.5	22.0	21.0	20.0	19.0	18.0	16.4	14.8
92.5°	23.9	23.7	23.5	23.4	23.2	22.8	22.4	22.0	21.6	21.0	20.4
95°	39.1	39.3	39.5	39.6	39.1	38.1	37.1	36.1	35.1	33.7	32.3
97.5°	49.1	48.9	48.7	48.6	48.3	47.7	47.1	46.5	45.9	42.7	39.5
100°	59.4	59.0	58.6	58.4	57.6	56.0	54.4	52.8	51.2	47.8	44.4
102.5°	64.4	63.8	63.2	62.9	61.8	59.6	57.4	55.2	53.0	49.4	45.8
105°	66.7	65.9	65.1	64.7	63.6	61.4	59.2	57.0	54.8	50.4	46.9
107.5°	68.5	67.7	66.9	66.5	65.4	63.2	61.0	58.8	56.6	52.9	49.3
110°	69.4	68.6	67.8	67.4	77.4	97.4	117.3	137.3	157.3	215.1	272.8

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	70.7	70.1	69.5	69.2	112.3	198.4	284.5	370.7	456.8	460.2	463.6
115°	102.5	116.9	131.3	138.5	184.8	277.3	369.8	462.3	554.8	549.8	544.8
117.5°	343.9	396.2	448.5	474.7	489.0	517.6	546.1	574.7	603.3	599.9	596.5
120°	602.4	629.4	656.3	669.8	668.6	666.2	663.9	661.5	659.1	655.5	651.9
122.5°	718.0	717.8	717.6	717.5	716.9	715.7	714.5	713.3	712.1	708.1	704.1
125°	767.5	766.9	766.3	766.0	765.3	763.9	762.6	761.2	759.8	756.0	752.2
127.5°	813.3	813.1	812.9	812.8	811.8	809.8	807.8	805.8	803.8	800.8	797.8
130°	855.5	855.7	855.9	856.0	854.9	852.7	850.5	848.3	846.1	843.9	841.7
132.5°	895.9	896.1	896.3	896.4	895.5	893.7	891.9	890.1	888.3	886.1	883.9
135°	935.0	935.4	935.8	936.0	935.0	933.0	931.0	929.0	927.0	925.2	923.4
137.5°	971.3	971.9	972.5	972.8	971.8	969.8	967.9	965.9	963.9	961.9	959.9
140°	1005.4	1006.4	1007.4	1007.9	1007.0	1005.2	1003.4	1001.6	999.8	997.6	995.4
142.5°	1037.8	1038.8	1039.8	1040.3	1039.5	1037.9	1036.3	1034.7	1033.1	1030.5	1027.9
145°	1067.5	1068.5	1069.5	1070.0	1069.3	1067.9	1066.5	1065.1	1063.7	1060.3	1056.9
147.5°	1094.0	1094.8	1095.6	1096.0	1095.5	1094.5	1093.5	1092.5	1091.5	1088.1	1084.7
150°	1118.7	1119.7	1120.7	1121.2	1120.6	1119.4	1118.2	1117.0	1115.8	1112.6	1109.4
152.5°	1140.2	1141.6	1143.0	1143.7	1143.1	1141.9	1140.7	1139.5	1138.3	1135.3	1132.3
155°	1159.5	1161.1	1162.7	1163.5	1162.9	1161.7	1160.5	1159.3	1158.1	1155.7	1153.3
157.5°	1177.4	1179.0	1180.6	1181.4	1180.7	1179.3	1177.9	1176.5	1175.1	1173.3	1171.5
160°	1192.3	1193.7	1195.1	1195.8	1195.2	1194.0	1192.8	1191.6	1190.4	1189.2	1188.0
162.5°	1205.7	1207.5	1209.3	1210.2	1209.5	1208.1	1206.7	1205.3	1203.9	1202.9	1201.9
165°	1217.5	1218.9	1220.3	1221.0	1220.3	1218.9	1217.5	1216.1	1214.7	1214.1	1213.5
167.5°	1226.4	1228.2	1230.0	1230.9	1230.2	1228.8	1227.4	1226.0	1224.6	1224.0	1223.4
170°	1233.6	1235.4	1237.2	1238.1	1237.4	1236.0	1234.6	1233.2	1231.8	1231.4	1231.0
172.5°	1239.0	1240.8	1242.6	1243.5	1242.8	1241.4	1240.0	1238.6	1237.2	1236.8	1236.4
175°	1242.1	1244.1	1246.1	1247.1	1246.4	1245.0	1243.6	1242.2	1240.8	1240.4	1240.0
177.5°	1243.5	1245.3	1247.1	1248.0	1247.3	1245.9	1244.5	1243.1	1241.7	1241.5	1241.3
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

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°	13.2	11.6	10.8	9.7	7.5	5.3	3.1	0.9	3.1	5.3	7.5
92.5°	19.8	19.2	18.9	19.3	20.1	20.9	21.7	22.5	21.7	20.9	20.1
95°	30.9	29.5	28.8	32.1	38.7	45.2	51.8	58.4	51.8	45.2	38.7
97.5°	36.3	33.1	31.5	39.7	56.1	72.4	88.8	105.2	88.8	72.4	56.1
100°	41.1	37.7	36.0	49.7	77.0	104.4	131.7	159.1	131.7	104.4	77.0
102.5°	162.1	198.5	216.7	216.9	217.3	217.7	218.1	218.5	218.1	217.7	217.3
105°	218.5	273.0	300.3	297.3	291.3	285.3	279.3	273.3	279.3	285.3	291.3
107.5°	258.6	325.9	359.6	357.1	352.1	347.2	342.2	337.2	342.2	347.2	352.1
110°	330.6	388.3	417.2	415.1	410.9	406.7	402.5	398.3	402.5	406.7	410.9

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	466.9	470.3	472.0	470.2	466.6	463.1	459.5	455.9	459.5	463.1	466.6
115°	539.8	534.8	532.3	530.6	527.2	523.8	520.4	517.0	520.4	523.8	527.2
117.5°	593.1	589.7	588.0	586.0	582.0	578.0	574.0	570.0	574.0	578.0	582.0
120°	648.3	644.7	642.9	641.4	638.4	635.4	632.4	629.4	632.4	635.4	638.4
122.5°	700.1	696.1	694.1	692.5	689.3	686.1	682.9	679.7	682.9	686.1	689.3
125°	748.4	744.6	742.7	741.4	738.8	736.2	733.6	731.0	733.6	736.2	738.8
127.5°	794.8	791.8	790.3	788.9	786.1	783.3	780.5	777.7	780.5	783.3	786.1
130°	839.5	837.3	836.2	834.6	831.4	828.2	825.0	821.8	825.0	828.2	831.4
132.5°	881.7	879.5	878.4	877.1	874.5	872.0	869.4	866.8	869.4	872.0	874.5
135°	921.6	919.8	918.9	917.3	914.1	910.9	907.7	904.5	907.7	910.9	914.1
137.5°	957.9	955.9	954.9	953.7	951.3	948.9	946.5	944.1	946.5	948.9	951.3
140°	993.2	991.0	989.9	989.1	987.5	985.9	984.3	982.7	984.3	985.9	987.5
142.5°	1025.3	1022.7	1021.4	1020.7	1019.3	1017.9	1016.5	1015.1	1016.5	1017.9	1019.3
145°	1053.5	1050.1	1048.4	1048.5	1048.7	1048.9	1049.1	1049.3	1049.1	1048.9	1048.7
147.5°	1081.3	1077.9	1076.2	1076.5	1077.1	1077.7	1078.3	1078.9	1078.3	1077.7	1077.1
150°	1106.2	1103.0	1101.4	1102.1	1103.5	1104.9	1106.3	1107.7	1106.3	1104.9	1103.5
152.5°	1129.3	1126.3	1124.8	1125.6	1127.2	1128.8	1130.4	1132.0	1130.4	1128.8	1127.2
155°	1150.9	1148.5	1147.3	1148.2	1150.0	1151.8	1153.6	1155.4	1153.6	1151.8	1150.0
157.5°	1169.8	1168.0	1167.1	1167.9	1169.5	1171.0	1172.6	1174.2	1172.6	1171.0	1169.5
160°	1186.8	1185.6	1185.0	1185.6	1186.8	1188.0	1189.2	1190.4	1189.2	1188.0	1186.8
162.5°	1200.9	1199.9	1199.4	1200.0	1201.2	1202.4	1203.6	1204.8	1203.6	1202.4	1201.2
165°	1212.9	1212.3	1212.0	1212.6	1213.8	1215.0	1216.2	1217.4	1216.2	1215.0	1213.8
167.5°	1222.8	1222.2	1221.9	1222.5	1223.7	1224.9	1226.1	1227.3	1226.1	1224.9	1223.7
170°	1230.6	1230.2	1230.0	1230.6	1231.8	1233.0	1234.2	1235.4	1234.2	1233.0	1231.8
172.5°	1236.0	1235.6	1235.4	1236.0	1237.2	1238.4	1239.6	1240.8	1239.6	1238.4	1237.2
175°	1239.6	1239.2	1239.0	1239.7	1241.1	1242.5	1243.9	1245.3	1243.9	1242.5	1241.1
177.5°	1241.1	1240.9	1240.8	1241.5	1242.9	1244.3	1245.7	1247.1	1245.7	1244.3	1242.9
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

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°	9.7	10.8	11.6	13.2	14.8	16.4	18.0	19.0	20.0	21.0	22.0
92.5°	19.3	18.9	19.2	19.8	20.4	21.0	21.6	22.0	22.4	22.8	23.2
95°	32.1	28.8	29.5	30.9	32.3	33.7	35.1	36.1	37.1	38.1	39.1
97.5°	39.7	31.5	33.1	36.3	39.5	42.7	45.9	46.5	47.1	47.7	48.3
100°	49.7	36.0	37.7	41.1	44.4	47.8	51.2	52.8	54.4	56.0	57.6
102.5°	216.9	216.7	198.5	162.1	125.8	89.4	53.0	55.2	57.4	59.6	61.8
105°	297.3	300.3	273.0	218.5	163.9	109.4	54.8	57.0	59.2	61.4	63.6
107.5°	357.1	359.6	325.9	258.6	191.3	123.9	56.6	58.8	61.0	63.2	65.4
110°	415.1	417.2	388.3	330.6	272.8	215.1	157.3	137.3	117.3	97.4	77.4

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	470.2	472.0	470.3	466.9	463.6	460.2	456.8	370.7	284.5	198.4	112.3
115°	530.6	532.3	534.8	539.8	544.8	549.8	554.8	462.3	369.8	277.3	184.8
117.5°	586.0	588.0	589.7	593.1	596.5	599.9	603.3	574.7	546.1	517.6	489.0
120°	641.4	642.9	644.7	648.3	651.9	655.5	659.1	661.5	663.9	666.2	668.6
122.5°	692.5	694.1	696.1	700.1	704.1	708.1	712.1	713.3	714.5	715.7	716.9
125°	741.4	742.7	744.6	748.4	752.2	756.0	759.8	761.2	762.6	763.9	765.3
127.5°	788.9	790.3	791.8	794.8	797.8	800.8	803.8	805.8	807.8	809.8	811.8
130°	834.6	836.2	837.3	839.5	841.7	843.9	846.1	848.3	850.5	852.7	854.9
132.5°	877.1	878.4	879.5	881.7	883.9	886.1	888.3	890.1	891.9	893.7	895.5
135°	917.3	918.9	919.8	921.6	923.4	925.2	927.0	929.0	931.0	933.0	935.0
137.5°	953.7	954.9	955.9	957.9	959.9	961.9	963.9	965.9	967.9	969.8	971.8
140°	989.1	989.9	991.0	993.2	995.4	997.6	999.8	1001.6	1003.4	1005.2	1007.0
142.5°	1020.7	1021.4	1022.7	1025.3	1027.9	1030.5	1033.1	1034.7	1036.3	1037.9	1039.5
145°	1048.5	1048.4	1050.1	1053.5	1056.9	1060.3	1063.7	1065.1	1066.5	1067.9	1069.3
147.5°	1076.5	1076.2	1077.9	1081.3	1084.7	1088.1	1091.5	1092.5	1093.5	1094.5	1095.5
150°	1102.1	1101.4	1103.0	1106.2	1109.4	1112.6	1115.8	1117.0	1118.2	1119.4	1120.6
152.5°	1125.6	1124.8	1126.3	1129.3	1132.3	1135.3	1138.3	1139.5	1140.7	1141.9	1143.1
155°	1148.2	1147.3	1148.5	1150.9	1153.3	1155.7	1158.1	1159.3	1160.5	1161.7	1162.9
157.5°	1167.9	1167.1	1168.0	1169.8	1171.5	1173.3	1175.1	1176.5	1177.9	1179.3	1180.7
160°	1185.6	1185.0	1185.6	1186.8	1188.0	1189.2	1190.4	1191.6	1192.8	1194.0	1195.2
162.5°	1200.0	1199.4	1199.9	1200.9	1201.9	1202.9	1203.9	1205.3	1206.7	1208.1	1209.5
165°	1212.6	1212.0	1212.3	1212.9	1213.5	1214.1	1214.7	1216.1	1217.5	1218.9	1220.3
167.5°	1222.5	1221.9	1222.2	1222.8	1223.4	1224.0	1224.6	1226.0	1227.4	1228.8	1230.2
170°	1230.6	1230.0	1230.2	1230.6	1231.0	1231.4	1231.8	1233.2	1234.6	1236.0	1237.4
172.5°	1236.0	1235.4	1235.6	1236.0	1236.4	1236.8	1237.2	1238.6	1240.0	1241.4	1242.8
175°	1239.7	1239.0	1239.2	1239.6	1240.0	1240.4	1240.8	1242.2	1243.6	1245.0	1246.4
177.5°	1241.5	1240.8	1240.9	1241.1	1241.3	1241.5	1241.7	1243.1	1244.5	1245.9	1247.3
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

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°	22.5	22.7	23.1	23.5	23.9	24.3	23.9	23.5	23.1	22.7	22.5
92.5°	23.4	23.5	23.7	23.9	24.1	24.3	24.1	23.9	23.7	23.5	23.4
95°	39.6	39.5	39.3	39.1	38.9	38.7	38.9	39.1	39.3	39.5	39.6
97.5°	48.6	48.7	48.9	49.1	49.3	49.5	49.3	49.1	48.9	48.7	48.6
100°	58.4	58.6	59.0	59.4	59.8	60.2	59.8	59.4	59.0	58.6	58.4
102.5°	62.9	63.2	63.8	64.4	65.0	65.6	65.0	64.4	63.8	63.2	62.9
105°	64.7	65.1	65.9	66.7	67.5	68.3	67.5	66.7	65.9	65.1	64.7
107.5°	66.5	66.9	67.7	68.5	69.3	70.1	69.3	68.5	67.7	66.9	66.5
110°	67.4	67.8	68.6	69.4	70.2	71.0	70.2	69.4	68.6	67.8	67.4

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	69.2	69.5	70.1	70.7	71.3	71.9	71.3	70.7	70.1	69.5	69.2
115°	138.5	131.3	116.9	102.5	88.1	73.7	88.1	102.5	116.9	131.3	138.5
117.5°	474.7	448.5	396.2	343.9	291.5	239.2	291.5	343.9	396.2	448.5	474.7
120°	669.8	656.3	629.4	602.4	575.5	548.5	575.5	602.4	629.4	656.3	669.8
122.5°	717.5	717.6	717.8	718.0	718.2	718.4	718.2	718.0	717.8	717.6	717.5
125°	766.0	766.3	766.9	767.5	768.1	768.7	768.1	767.5	766.9	766.3	766.0
127.5°	812.8	812.9	813.1	813.3	813.5	813.7	813.5	813.3	813.1	812.9	812.8
130°	856.0	855.9	855.7	855.5	855.3	855.1	855.3	855.5	855.7	855.9	856.0
132.5°	896.4	896.3	896.1	895.9	895.7	895.5	895.7	895.9	896.1	896.3	896.4
135°	936.0	935.8	935.4	935.0	934.6	934.2	934.6	935.0	935.4	935.8	936.0
137.5°	972.8	972.5	971.9	971.3	970.7	970.1	970.7	971.3	971.9	972.5	972.8
140°	1007.9	1007.4	1006.4	1005.4	1004.4	1003.4	1004.4	1005.4	1006.4	1007.4	1007.9
142.5°	1040.3	1039.8	1038.8	1037.8	1036.8	1035.8	1036.8	1037.8	1038.8	1039.8	1040.3
145°	1070.0	1069.5	1068.5	1067.5	1066.5	1065.5	1066.5	1067.5	1068.5	1069.5	1070.0
147.5°	1096.0	1095.6	1094.8	1094.0	1093.2	1092.4	1093.2	1094.0	1094.8	1095.6	1096.0
150°	1121.2	1120.7	1119.7	1118.7	1117.7	1116.7	1117.7	1118.7	1119.7	1120.7	1121.2
152.5°	1143.7	1143.0	1141.6	1140.2	1138.8	1137.4	1138.8	1140.2	1141.6	1143.0	1143.7
155°	1163.5	1162.7	1161.1	1159.5	1157.9	1156.3	1157.9	1159.5	1161.1	1162.7	1163.5
157.5°	1181.4	1180.6	1179.0	1177.4	1175.8	1174.2	1175.8	1177.4	1179.0	1180.6	1181.4
160°	1195.8	1195.1	1193.7	1192.3	1190.9	1189.5	1190.9	1192.3	1193.7	1195.1	1195.8
162.5°	1210.2	1209.3	1207.5	1205.7	1203.9	1202.1	1203.9	1205.7	1207.5	1209.3	1210.2
165°	1221.0	1220.3	1218.9	1217.5	1216.1	1214.7	1216.1	1217.5	1218.9	1220.3	1221.0
167.5°	1230.9	1230.0	1228.2	1226.4	1224.6	1222.8	1224.6	1226.4	1228.2	1230.0	1230.9
170°	1238.1	1237.2	1235.4	1233.6	1231.8	1230.0	1231.8	1233.6	1235.4	1237.2	1238.1
172.5°	1243.5	1242.6	1240.8	1239.0	1237.2	1235.4	1237.2	1239.0	1240.8	1242.6	1243.5
175°	1247.1	1246.1	1244.1	1242.1	1240.1	1238.1	1240.1	1242.1	1244.1	1246.1	1247.1
177.5°	1248.0	1247.1	1245.3	1243.5	1241.7	1239.9	1241.7	1243.5	1245.3	1247.1	1248.0
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

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°	22.0	21.0	20.0	19.0	18.0	16.4	14.8	13.2	11.6	10.8	9.7
92.5°	23.2	22.8	22.4	22.0	21.6	21.0	20.4	19.8	19.2	18.9	19.3
95°	39.1	38.1	37.1	36.1	35.1	33.7	32.3	30.9	29.5	28.8	32.1
97.5°	48.3	47.7	47.1	46.5	45.9	42.7	39.5	36.3	33.1	31.5	39.7
100°	57.6	56.0	54.4	52.8	51.2	47.8	44.4	41.1	37.7	36.0	49.7
102.5°	61.8	59.6	57.4	55.2	53.0	49.4	45.8	42.1	38.5	36.9	53.1
105°	63.6	61.4	59.2	57.0	54.8	50.4	46.9	43.3	39.7	38.1	55.7
107.5°	65.4	63.2	61.0	58.8	56.6	52.2	48.7	45.1	41.5	39.9	58.3
110°	77.4	97.4	117.3	137.3	157.3	215.1	272.8	330.6	388.3	417.2	415.1

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	112.3	198.4	284.5	370.7	456.8	460.2	463.6	466.9	470.3	472.0	470.2
115°	184.8	277.3	369.8	462.3	554.8	549.8	544.8	539.8	534.8	532.3	530.6
117.5°	489.0	517.6	546.1	574.7	603.3	599.9	596.5	593.1	589.7	588.0	586.0
120°	668.6	666.2	663.9	661.5	659.1	655.5	651.9	648.3	644.7	642.9	641.4
122.5°	716.9	715.7	714.5	713.3	712.1	708.1	704.1	700.1	696.1	694.1	692.5
125°	765.3	763.9	762.6	761.2	759.8	756.0	752.2	748.4	744.6	742.7	741.4
127.5°	811.8	809.8	807.8	805.8	803.8	800.8	797.8	794.8	791.8	790.3	788.9
130°	854.9	852.7	850.5	848.3	846.1	843.9	841.7	839.5	837.3	836.2	834.6
132.5°	895.5	893.7	891.9	890.1	888.3	886.1	883.9	881.7	879.5	878.4	877.1
135°	935.0	933.0	931.0	929.0	927.0	925.2	923.4	921.6	919.8	918.9	917.3
137.5°	971.8	969.8	967.9	965.9	963.9	961.9	959.9	957.9	955.9	954.9	953.7
140°	1007.0	1005.2	1003.4	1001.6	999.8	997.6	995.4	993.2	991.0	989.9	989.1
142.5°	1039.5	1037.9	1036.3	1034.7	1033.1	1030.5	1027.9	1025.3	1022.7	1021.4	1020.7
145°	1069.3	1067.9	1066.5	1065.1	1063.7	1060.3	1056.9	1053.5	1050.1	1048.4	1048.5
147.5°	1095.5	1094.5	1093.5	1092.5	1091.5	1088.1	1084.7	1081.3	1077.9	1076.2	1076.5
150°	1120.6	1119.4	1118.2	1117.0	1115.8	1112.6	1109.4	1106.2	1103.0	1101.4	1102.1
152.5°	1143.1	1141.9	1140.7	1139.5	1138.3	1135.3	1132.3	1129.3	1126.3	1124.8	1125.6
155°	1162.9	1161.7	1160.5	1159.3	1158.1	1155.7	1153.3	1150.9	1148.5	1147.3	1148.2
157.5°	1180.7	1179.3	1177.9	1176.5	1175.1	1173.3	1171.5	1169.8	1168.0	1167.1	1167.9
160°	1195.2	1194.0	1192.8	1191.6	1190.4	1189.2	1188.0	1186.8	1185.6	1185.0	1185.6
162.5°	1209.5	1208.1	1206.7	1205.3	1203.9	1202.9	1201.9	1200.9	1199.9	1199.4	1200.0
165°	1220.3	1218.9	1217.5	1216.1	1214.7	1214.1	1213.5	1212.9	1212.3	1212.0	1212.6
167.5°	1230.2	1228.8	1227.4	1226.0	1224.6	1224.0	1223.4	1222.8	1222.2	1221.9	1222.5
170°	1237.4	1236.0	1234.6	1233.2	1231.8	1231.4	1231.0	1230.6	1230.2	1230.0	1230.6
172.5°	1242.8	1241.4	1240.0	1238.6	1237.2	1236.8	1236.4	1236.0	1235.6	1235.4	1236.0
175°	1246.4	1245.0	1243.6	1242.2	1240.8	1240.4	1240.0	1239.6	1239.2	1239.0	1239.7
177.5°	1247.3	1245.9	1244.5	1243.1	1241.7	1241.5	1241.3	1241.1	1240.9	1240.8	1241.5
180°	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P999221

CATALOG NUMBER: SA2XXDIP-B865D925UB2750-4F0-XX-W2A-A_4000K

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°	7.5	5.3	3.1	0.9
92.5°	20.1	20.9	21.7	22.5
95°	38.7	45.2	51.8	58.4
97.5°	56.1	72.4	88.8	105.2
100°	77.0	104.4	131.7	159.1
102.5°	217.3	217.7	218.1	218.5
105°	291.3	285.3	279.3	273.3
107.5°	352.1	347.2	342.2	337.2
110°	410.9	406.7	402.5	398.3

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	466.6	463.1	459.5	455.9
115°	527.2	523.8	520.4	517.0
117.5°	582.0	578.0	574.0	570.0
120°	638.4	635.4	632.4	629.4
122.5°	689.3	686.1	682.9	679.7
125°	738.8	736.2	733.6	731.0
127.5°	786.1	783.3	780.5	777.7
130°	831.4	828.2	825.0	821.8
132.5°	874.5	872.0	869.4	866.8
135°	914.1	910.9	907.7	904.5
137.5°	951.3	948.9	946.5	944.1
140°	987.5	985.9	984.3	982.7
142.5°	1019.3	1017.9	1016.5	1015.1
145°	1048.7	1048.9	1049.1	1049.3
147.5°	1077.1	1077.7	1078.3	1078.9
150°	1103.5	1104.9	1106.3	1107.7
152.5°	1127.2	1128.8	1130.4	1132.0
155°	1150.0	1151.8	1153.6	1155.4
157.5°	1169.5	1171.0	1172.6	1174.2
160°	1186.8	1188.0	1189.2	1190.4
162.5°	1201.2	1202.4	1203.6	1204.8
165°	1213.8	1215.0	1216.2	1217.4
167.5°	1223.7	1224.9	1226.1	1227.3
170°	1231.8	1233.0	1234.2	1235.4
172.5°	1237.2	1238.4	1239.6	1240.8
175°	1241.1	1242.5	1243.9	1245.3
177.5°	1242.9	1244.3	1245.7	1247.1
180°	1242.6	1242.6	1242.6	1242.6

TEST NUMBER: P999221

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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	17.37	18.21	18.33	19.18	20.44	14.87	15.70	15.83	16.67	17.93
	3H	18.18	18.93	19.15	19.91	21.19	16.21	16.96	17.18	17.93	19.22
	4H	18.35	19.06	19.33	20.04	21.33	16.67	17.38	17.65	18.36	19.65
	6H	18.40	19.05	19.39	20.03	21.34	16.98	17.63	17.97	18.61	19.92
	8H	18.37	18.99	19.37	20.00	21.30	17.06	17.68	18.06	18.68	19.98
	12H	18.34	18.92	19.34	19.92	21.25	17.10	17.69	18.11	18.69	20.01
4H	2H	17.41	18.12	18.40	19.10	20.39	15.31	16.02	16.30	17.00	18.29
	3H	18.39	18.98	19.39	19.99	21.30	16.77	17.36	17.77	18.37	19.67
	4H	18.67	19.20	19.67	20.21	21.54	17.30	17.84	18.31	18.84	20.17
	6H	18.80	19.26	19.81	20.28	21.61	17.68	18.14	18.70	19.17	20.50
	8H	18.79	19.22	19.81	20.24	21.59	17.79	18.22	18.81	19.24	20.58
	12H	18.76	19.14	19.79	20.18	21.53	17.85	18.23	18.88	19.27	20.62
8H	4H	18.67	19.10	19.69	20.12	21.47	17.44	17.87	18.46	18.89	20.24
	6H	18.85	19.21	19.89	20.27	21.61	17.88	18.23	18.92	19.29	20.63
	8H	18.88	19.19	19.93	20.24	21.60	18.03	18.34	19.08	19.39	20.75
	12H	18.87	19.14	19.92	20.18	21.58	18.12	18.39	19.17	19.43	20.84
12H	4H	18.63	19.02	19.67	20.05	21.40	17.42	17.80	18.45	18.84	20.19
	6H	18.83	19.14	19.88	20.19	21.55	17.88	18.19	18.93	19.24	20.60
	8H	18.86	19.14	19.91	20.18	21.58	18.03	18.31	19.09	19.35	20.75