

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: P998033

Luminaire Tested: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998033
REPORT IS A COMBINATION OF REPORTS P983770 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B1005D925UB2750-4F0-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

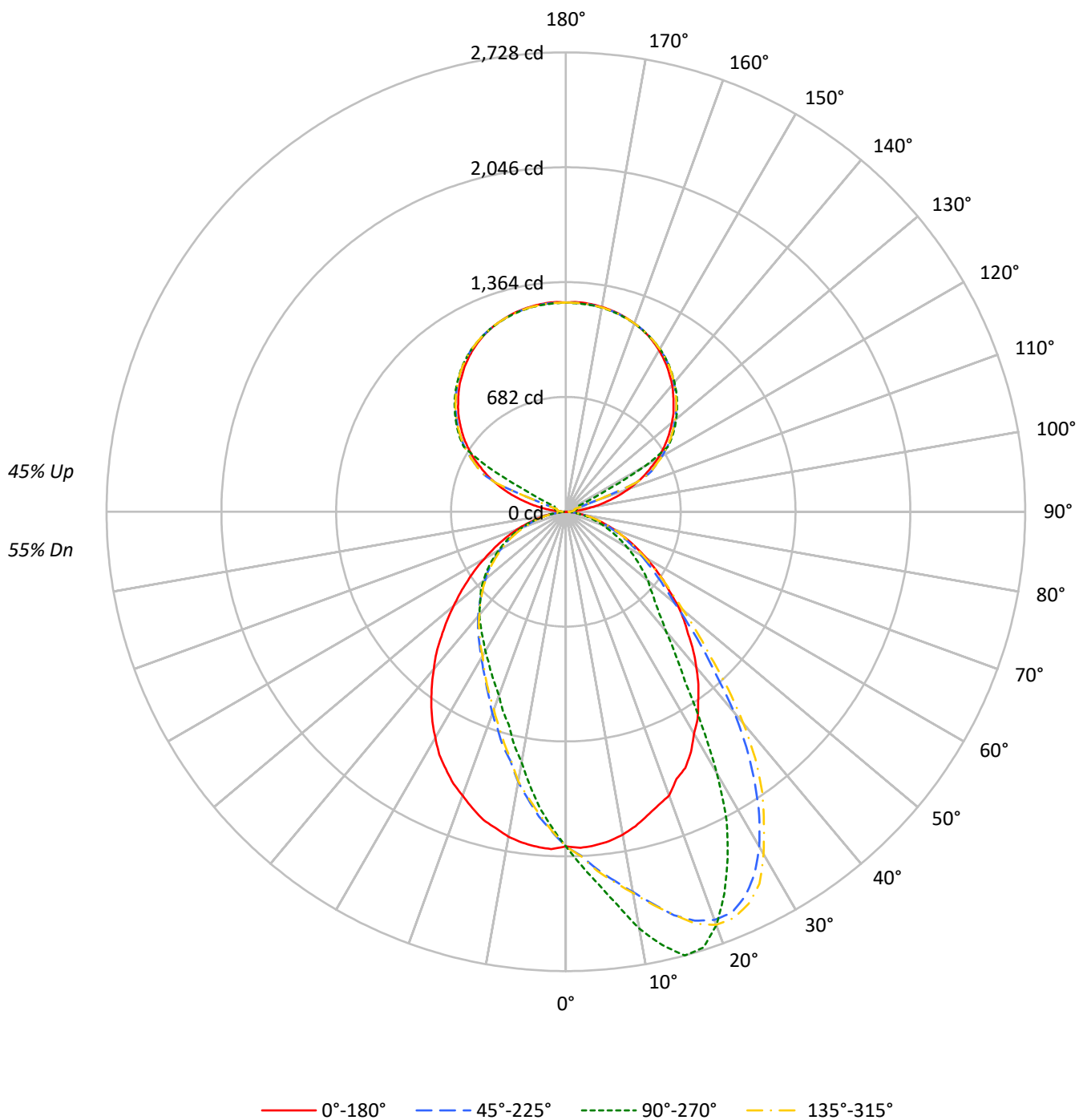
Lumens per Lamp: N/A
Luminaire Lumens: 8029.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 89.8
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

TEST NUMBER: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60
1	99	95	91	88	92	89	85	82	76	74	72	65	63	62	54	53	52
2	91	84	78	73	84	78	73	69	67	64	60	57	55	52	48	46	45
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	39
4	76	66	58	52	71	62	55	50	54	48	44	46	42	39	39	36	34
5	70	59	51	45	65	55	48	43	48	43	38	42	37	34	35	32	30
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	26	24
8	56	44	36	31	52	41	35	30	36	31	27	32	27	24	27	24	21
9	52	40	33	28	49	38	31	27	34	28	24	29	25	22	25	22	19
10	49	37	30	25	46	35	29	24	31	26	22	27	23	20	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31453	31453	31453	31453
5°	31529	33537	31650	26682
10°	31163	36611	31358	21997
15°	30407	38616	30830	18529
20°	29933	36257	29933	16106
25°	28978	31149	29111	14402
30°	27409	24486	27932	13045
35°	26018	16932	26453	11936
40°	24420	12783	24698	11051
45°	22449	10505	22816	10096
50°	20745	9220	20781	9242
55°	18802	7857	18924	8315
60°	16732	6563	16963	7257
65°	14877	5338	15148	6198
70°	13031	4187	13360	4999
75°	10936	3039	11361	3625
80°	8535	1926	9141	2151
85°	5608	969	6046	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32514 cd/sqm

TEST NUMBER: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	2.4
10°-20°	550.9	6.9
20°-30°	799.5	10.0
30°-40°	842.8	10.5
40°-50°	745.8	9.3
50°-60°	595.5	7.4
60°-70°	404.5	5.0
70°-80°	207.0	2.6
80°-90°	51.1	0.6
90°-100°	41.0	0.5
100°-110°	152.7	1.9
110°-120°	405.1	5.0
120°-130°	671.9	8.4
130°-140°	713.7	8.9
140°-150°	663.3	8.3
150°-160°	533.3	6.6
160°-170°	343.6	4.3
170°-180°	118.3	1.5
0°-30°	1539.6	19.2
0°-40°	2382.4	29.7
0°-60°	3723.7	46.4
0°-90°	4386.2	54.6
90°-120°	598.8	7.5
90°-150°	2647.7	33.0
90°-180°	3643.0	45.4
0°-180°	8029.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1987	1987	1987	1987	1987	
5°	1989	2219	1996	1766	1989	189
15°	1868	2728	1894	1309	1868	528
25°	1678	2273	1686	1051	1678	767
35°	1370	1237	1393	872	1370	857
45°	1028	745	1045	716	1028	797
55°	706	524	710	554	706	630
65°	418	322	426	374	418	416
75°	196	159	203	189	196	210
85°	40	41	43	30	40	46
90°	1	24	1	24	1	6
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	

TEST NUMBER: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1997.7	2002.3	2009.9	2011.5	2026.7	2039.0	2052.7	2052.7	2057.3	2055.8	2043.5
5°	1988.6	2002.3	2022.2	2039.0	2066.5	2078.7	2097.0	2110.7	2123.0	2132.1	2130.6
7.5°	1973.3	1997.7	2026.7	2058.8	2095.5	2116.9	2142.8	2167.3	2184.1	2199.3	2210.0
10°	1947.3	1988.6	2028.3	2071.0	2118.4	2147.4	2177.9	2210.0	2236.0	2265.0	2292.5
12.5°	1912.2	1971.8	2020.6	2077.1	2135.2	2167.3	2216.1	2240.6	2291.0	2364.3	2384.1
15°	1867.9	1948.9	1994.7	2066.5	2142.8	2168.8	2236.0	2275.7	2379.6	2425.4	2480.4
17.5°	1826.7	1916.8	1977.9	2060.3	2135.2	2185.6	2251.3	2332.2	2419.3	2484.9	2546.0
20°	1793.1	1880.1	1953.4	2045.1	2139.8	2203.9	2272.6	2370.4	2465.1	2532.3	2579.6
22.5°	1716.7	1828.2	1913.7	2016.1	2130.6	2219.2	2284.9	2391.8	2494.1	2535.3	2576.6
25°	1678.5	1774.7	1874.0	1990.1	2124.5	2229.9	2286.4	2405.5	2495.6	2510.9	2520.1
27.5°	1608.3	1716.7	1832.8	1965.7	2123.0	2211.5	2283.3	2391.8	2463.6	2452.9	2425.4
30°	1521.2	1654.1	1782.4	1925.9	2101.6	2197.8	2265.0	2364.3	2400.9	2346.0	2297.1
32.5°	1457.1	1582.3	1724.3	1890.8	2077.1	2168.8	2234.5	2312.4	2320.0	2220.7	2138.2
35°	1370.0	1509.0	1669.4	1845.0	2035.9	2118.4	2179.5	2226.8	2190.2	2051.2	1953.4
37.5°	1292.1	1429.6	1600.6	1779.3	1979.4	2060.3	2109.2	2116.9	2026.7	1904.6	1761.0
40°	1206.6	1348.6	1527.3	1715.2	1916.8	1987.0	2017.6	1994.7	1864.8	1722.8	1556.3
42.5°	1121.0	1261.6	1454.0	1646.4	1837.4	1896.9	1909.1	1846.5	1687.7	1521.2	1328.8
45°	1027.9	1174.5	1366.9	1560.9	1745.7	1779.3	1780.8	1690.7	1502.9	1328.8	1150.1
47.5°	951.5	1087.4	1278.4	1472.3	1628.1	1651.0	1641.9	1538.0	1333.3	1137.8	982.1
50°	867.5	997.3	1186.7	1377.6	1510.5	1516.6	1493.7	1345.6	1145.5	966.8	843.1
52.5°	777.4	908.8	1082.9	1266.1	1385.3	1376.1	1331.8	1173.0	985.1	837.0	742.3
55°	705.6	821.7	985.1	1163.8	1247.8	1221.8	1173.0	1011.1	862.9	737.7	655.2
57.5°	626.2	728.5	888.9	1044.7	1093.6	1069.1	1020.2	869.0	731.6	636.9	581.9
60°	551.4	644.5	785.0	914.9	953.0	927.1	870.6	734.6	635.4	555.9	514.7
62.5°	482.6	563.6	681.2	800.3	815.6	789.6	740.7	630.8	545.3	482.6	452.1
65°	418.5	494.8	589.5	679.7	693.4	665.9	615.5	536.1	464.3	424.6	395.6
67.5°	355.9	417.0	501.0	566.6	574.3	548.3	507.1	442.9	398.6	355.9	334.5
70°	300.9	346.7	412.4	465.8	468.9	444.4	423.1	365.0	331.4	300.9	284.1
72.5°	247.4	279.5	329.9	369.6	371.1	355.9	336.0	299.4	270.3	249.0	232.2
75°	195.5	223.0	253.5	288.7	287.1	274.9	259.6	236.7	212.3	198.6	190.9
77.5°	149.7	166.5	190.9	213.8	213.8	207.7	198.6	181.8	166.5	152.7	145.1
80°	106.9	117.6	137.5	145.1	148.1	146.6	139.0	126.8	120.7	110.0	106.9
82.5°	68.7	76.4	85.5	93.2	97.7	94.7	93.2	87.1	77.9	74.8	71.8
85°	39.7	42.8	47.3	51.9	53.5	51.9	55.0	50.4	45.8	45.8	44.3
87.5°	16.8	18.3	21.4	21.4	22.9	22.9	21.4	22.9	22.9	21.4	19.9
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

TEST NUMBER: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

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

TEST NUMBER: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2064.9	2066.5	2069.5	2084.8	2092.4	2093.9	2087.8	2101.6	2106.2	2101.6	2098.5
5°	2162.7	2171.8	2190.2	2210.0	2208.5	2210.0	2219.2	2228.3	2231.4	2219.2	2223.8
7.5°	2248.2	2266.5	2286.4	2316.9	2316.9	2332.2	2338.3	2346.0	2364.3	2355.1	2352.1
10°	2346.0	2370.4	2407.0	2455.9	2457.4	2472.7	2488.0	2512.4	2520.1	2514.0	2517.0
12.5°	2468.1	2515.5	2518.5	2572.0	2596.4	2599.5	2623.9	2619.3	2634.6	2634.6	2660.6
15°	2521.6	2594.9	2636.1	2688.1	2703.3	2685.0	2704.9	2726.3	2727.8	2727.8	2726.3
17.5°	2617.8	2646.8	2688.1	2715.6	2721.7	2721.7	2723.2	2732.4	2726.3	2714.0	2723.2
20°	2637.7	2649.9	2665.2	2662.1	2665.2	2649.9	2634.6	2619.3	2620.9	2613.2	2636.1
22.5°	2601.0	2598.0	2562.8	2539.9	2539.9	2509.4	2480.4	2466.6	2452.9	2457.4	2465.1
25°	2509.4	2462.0	2419.3	2385.7	2378.0	2329.2	2289.4	2277.2	2254.3	2272.6	2275.7
27.5°	2362.8	2309.3	2240.6	2211.5	2171.8	2152.0	2124.5	2087.8	2040.5	2068.0	2063.4
30°	2205.4	2126.0	2069.5	1999.3	1936.6	1932.0	1880.1	1819.0	1794.6	1794.6	1808.3
32.5°	2029.8	1924.4	1841.9	1742.7	1681.6	1655.6	1593.0	1531.9	1545.6	1499.8	1516.6
35°	1825.1	1686.2	1582.3	1486.1	1440.3	1409.7	1328.8	1295.2	1258.5	1237.1	1276.8
37.5°	1629.6	1469.3	1336.4	1231.0	1214.2	1159.2	1104.2	1082.9	1061.5	1070.6	1069.1
40°	1391.4	1249.3	1130.2	1047.7	1018.7	992.8	956.1	930.1	916.4	924.0	925.6
42.5°	1176.0	1056.9	968.3	910.3	885.8	867.5	849.2	827.8	823.2	823.2	829.3
45°	1009.6	911.8	852.2	804.9	791.1	777.4	763.7	754.5	751.4	745.3	749.9
47.5°	876.7	798.8	762.1	727.0	711.7	708.7	696.5	691.9	685.8	684.2	685.8
50°	765.2	716.3	682.7	662.9	652.2	647.6	641.5	632.3	629.3	636.9	633.8
52.5°	687.3	641.5	623.1	603.3	597.2	591.1	581.9	583.4	581.9	578.9	578.9
55°	609.4	580.4	562.1	546.8	545.3	539.1	531.5	528.4	526.9	523.9	528.4
57.5°	546.8	523.9	507.1	493.3	487.2	487.2	479.6	473.5	473.5	471.9	473.5
60°	484.2	461.2	450.6	436.8	432.2	430.7	426.1	423.1	418.5	418.5	418.5
62.5°	426.1	407.8	395.6	383.4	384.9	377.2	371.1	368.1	368.1	369.6	369.6
65°	371.1	358.9	343.6	333.0	329.9	328.4	325.3	323.8	319.2	322.3	322.3
67.5°	320.7	303.9	294.8	290.2	285.6	284.1	281.0	278.0	276.4	274.9	278.0
70°	270.3	256.6	249.0	245.9	241.3	239.8	238.3	233.7	235.2	236.7	238.3
72.5°	224.5	212.3	210.8	201.6	201.6	201.6	195.5	198.6	197.0	194.0	197.0
75°	177.2	171.1	168.0	163.4	164.9	163.4	161.9	157.3	157.3	158.8	160.4
77.5°	140.5	134.4	132.9	128.3	125.2	128.3	125.2	123.7	123.7	125.2	125.2
80°	103.9	100.8	96.2	96.2	96.2	94.7	94.7	94.7	93.2	91.6	93.2
82.5°	68.7	68.7	67.2	65.7	67.2	64.1	65.7	65.7	65.7	65.7	65.7
85°	44.3	42.8	42.8	41.2	41.2	41.2	42.8	39.7	39.7	41.2	41.2
87.5°	19.9	19.9	19.9	21.4	19.9	19.9	19.9	21.4	19.9	19.9	19.9
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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2106.2	2095.5	2086.3	2087.8	2095.5	2089.4	2074.1	2054.2	2046.6	2037.4	2046.6
5°	2232.9	2223.8	2205.4	2207.0	2202.4	2196.3	2171.8	2141.3	2141.3	2116.9	2113.8
7.5°	2358.2	2344.4	2332.2	2329.2	2312.4	2300.1	2278.7	2236.0	2219.2	2190.2	2173.4
10°	2498.7	2488.0	2474.2	2457.4	2448.3	2426.9	2391.8	2329.2	2298.6	2258.9	2229.9
12.5°	2640.7	2639.2	2608.6	2575.0	2573.5	2539.9	2515.5	2431.5	2390.2	2336.8	2268.1
15°	2730.8	2723.2	2706.4	2689.6	2694.2	2657.5	2602.5	2503.3	2475.8	2411.6	2338.3
17.5°	2729.3	2729.3	2724.7	2721.7	2717.1	2706.4	2675.9	2610.2	2565.9	2484.9	2416.2
20°	2642.2	2662.1	2666.7	2665.2	2680.4	2688.1	2686.5	2645.3	2610.2	2538.4	2468.1
22.5°	2468.1	2514.0	2533.8	2546.0	2578.1	2594.9	2634.6	2619.3	2610.2	2556.7	2497.2
25°	2306.2	2321.5	2381.1	2384.1	2428.4	2469.7	2509.4	2535.3	2568.9	2549.1	2498.7
27.5°	2097.0	2132.1	2174.9	2207.0	2216.1	2300.1	2365.8	2414.7	2491.0	2497.2	2480.4
30°	1860.3	1877.1	1947.3	1990.1	2039.0	2100.1	2194.7	2278.7	2347.5	2410.1	2431.5
32.5°	1571.6	1640.3	1681.6	1733.5	1776.3	1884.7	2000.8	2109.2	2188.6	2294.0	2339.8
35°	1307.4	1360.8	1431.1	1452.5	1530.4	1622.0	1773.2	1912.2	2032.9	2139.8	2232.9
37.5°	1089.0	1131.7	1206.6	1240.2	1286.0	1403.6	1530.4	1703.0	1848.0	1979.4	2095.5
40°	939.3	971.4	1027.9	1038.6	1076.8	1183.7	1286.0	1447.9	1640.3	1817.5	1944.3
42.5°	837.0	852.2	890.4	904.2	928.6	1000.4	1092.0	1244.8	1423.5	1606.7	1785.4
45°	763.7	774.3	797.3	809.5	840.0	872.1	946.9	1069.1	1209.6	1394.4	1586.9
47.5°	698.0	711.7	720.9	728.5	745.3	780.5	829.3	919.4	1053.8	1223.4	1409.7
50°	643.0	647.6	664.4	665.9	676.6	699.5	745.3	800.3	907.2	1044.7	1224.9
52.5°	588.0	592.6	603.3	614.0	618.6	636.9	667.4	713.3	792.7	901.1	1061.5
55°	533.0	539.1	549.8	557.5	562.1	577.3	595.7	639.9	702.6	778.9	910.3
57.5°	478.0	491.8	494.8	499.4	507.1	523.9	540.7	566.6	615.5	685.8	782.0
60°	426.1	430.7	441.4	446.0	453.6	462.8	484.2	504.0	539.1	594.1	681.2
62.5°	372.7	383.4	387.9	392.5	398.6	409.3	423.1	444.4	475.0	519.3	588.0
65°	326.8	328.4	337.5	343.6	349.8	357.4	371.1	391.0	409.3	450.6	501.0
67.5°	282.6	285.6	288.7	294.8	302.4	310.0	322.3	333.0	355.9	383.4	423.1
70°	239.8	239.8	247.4	252.0	250.5	259.6	268.8	281.0	297.8	323.8	355.9
72.5°	201.6	200.1	206.2	207.7	210.8	216.9	223.0	235.2	244.4	264.2	288.7
75°	160.4	163.4	166.5	166.5	171.1	175.6	181.8	187.9	198.6	210.8	229.1
77.5°	126.8	126.8	129.8	131.3	135.9	134.4	140.5	146.6	154.3	164.9	178.7
80°	93.2	96.2	96.2	96.2	97.7	99.3	105.4	110.0	114.5	122.2	128.3
82.5°	65.7	65.7	68.7	68.7	68.7	71.8	71.8	73.3	76.4	80.9	85.5
85°	41.2	41.2	41.2	42.8	41.2	42.8	45.8	44.3	45.8	48.9	48.9
87.5°	19.9	19.9	19.9	19.9	19.9	21.4	19.9	21.4	22.9	22.9	22.9
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	49.4
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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	2039.0	2031.3	2026.7	2029.8	2020.6	1997.7	1997.7	2005.4	1996.2	1987.0	1973.3
5°	2095.5	2080.2	2071.0	2069.5	2048.1	2011.5	2003.8	1996.2	1976.3	1955.0	1932.0
7.5°	2150.5	2123.0	2107.7	2097.0	2066.5	2019.1	1999.3	1982.5	1950.4	1918.3	1889.3
10°	2196.3	2156.6	2138.2	2121.4	2081.7	2022.2	1990.1	1959.5	1918.3	1877.1	1840.4
12.5°	2232.9	2187.1	2164.2	2139.8	2090.9	2013.0	1973.3	1924.4	1883.2	1828.2	1791.5
15°	2294.0	2199.3	2177.9	2155.0	2104.6	1997.7	1948.9	1893.9	1837.4	1764.0	1724.3
17.5°	2342.9	2216.1	2214.6	2165.7	2100.1	1991.6	1916.8	1845.0	1783.9	1710.6	1648.0
20°	2371.9	2242.1	2217.7	2167.3	2084.8	1950.4	1872.5	1793.1	1727.4	1638.8	1576.2
22.5°	2396.4	2278.7	2214.6	2153.5	2052.7	1936.6	1822.1	1747.2	1657.1	1560.9	1501.3
25°	2405.5	2286.4	2219.2	2148.9	2029.8	1896.9	1767.1	1686.2	1585.3	1498.3	1417.3
27.5°	2407.0	2284.9	2202.4	2129.1	1997.7	1845.0	1712.1	1626.6	1515.1	1414.3	1333.3
30°	2391.8	2268.1	2193.2	2113.8	1967.2	1797.6	1644.9	1550.2	1431.1	1330.3	1246.3
32.5°	2346.0	2234.5	2173.4	2086.3	1927.5	1732.0	1580.8	1475.4	1350.1	1250.9	1169.9
35°	2269.6	2193.2	2126.0	2045.1	1875.5	1670.9	1516.6	1392.9	1266.1	1171.4	1095.1
37.5°	2174.9	2133.7	2071.0	1991.6	1816.0	1615.9	1444.8	1307.4	1180.6	1089.0	1014.1
40°	2046.6	2057.3	1996.2	1924.4	1745.7	1541.1	1351.7	1220.3	1101.2	1015.7	942.4
42.5°	1907.6	1951.9	1916.8	1848.0	1667.8	1458.6	1282.9	1137.8	1021.8	933.2	872.1
45°	1757.9	1834.3	1812.9	1762.5	1586.9	1371.5	1185.2	1044.7	942.4	856.8	803.4
47.5°	1594.5	1703.0	1703.0	1666.3	1496.8	1284.5	1101.2	957.6	856.8	795.7	743.8
50°	1428.0	1550.2	1570.1	1545.6	1396.0	1185.2	998.9	869.0	782.0	722.4	684.2
52.5°	1253.9	1396.0	1432.6	1420.4	1289.1	1090.5	914.9	788.1	708.7	656.7	623.1
55°	1087.4	1252.4	1292.1	1296.7	1174.5	986.6	821.7	710.2	633.8	598.7	569.7
57.5°	930.1	1089.0	1133.3	1140.9	1058.4	892.0	734.6	636.9	568.2	539.1	516.2
60°	795.7	928.6	986.6	1003.4	931.7	782.0	653.7	559.0	507.1	479.6	458.2
62.5°	685.8	792.7	853.8	858.3	826.3	685.8	569.7	490.3	446.0	421.5	410.8
65°	578.9	675.1	711.7	730.1	704.1	594.1	491.8	426.1	391.0	369.6	358.9
67.5°	493.3	554.4	585.0	609.4	583.4	501.0	418.5	365.0	339.1	317.7	311.6
70°	404.7	455.1	478.0	502.5	479.6	417.0	357.4	308.5	285.6	268.8	261.2
72.5°	323.8	363.5	384.9	400.2	386.4	334.5	285.6	252.0	235.2	223.0	218.4
75°	256.6	284.1	296.3	307.0	300.9	261.2	230.6	203.1	187.9	177.2	174.1
77.5°	195.5	215.4	229.1	232.2	224.5	198.6	172.6	155.8	143.6	137.5	134.4
80°	139.0	151.2	158.8	163.4	155.8	145.1	126.8	114.5	103.9	96.2	94.7
82.5°	93.2	99.3	105.4	103.9	100.8	91.6	80.9	74.8	70.3	64.1	64.1
85°	53.5	55.0	58.0	59.6	58.0	51.9	45.8	42.8	39.7	35.1	35.1
87.5°	22.9	24.4	24.4	26.0	22.9	22.9	19.9	16.8	16.8	15.3	13.7
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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1965.7	1973.3	1971.8	1956.5	1939.7	1925.9	1900.0	1903.0	1893.9	1895.4	1904.6
5°	1916.8	1916.8	1910.7	1889.3	1861.8	1846.5	1817.5	1809.9	1791.5	1790.0	1788.5
7.5°	1864.8	1857.2	1849.6	1819.0	1785.4	1761.0	1721.3	1712.1	1693.8	1681.6	1675.5
10°	1803.8	1793.1	1777.8	1742.7	1701.4	1670.9	1629.6	1617.4	1582.3	1567.0	1557.9
12.5°	1736.6	1730.4	1706.0	1677.0	1609.8	1576.2	1516.6	1528.8	1493.7	1463.2	1458.6
15°	1669.4	1646.4	1632.7	1585.3	1504.4	1489.1	1441.8	1417.3	1385.3	1360.8	1360.8
17.5°	1603.7	1568.5	1538.0	1487.6	1428.0	1385.3	1350.1	1337.9	1298.2	1273.8	1269.2
20°	1516.6	1476.9	1469.3	1397.5	1356.3	1308.9	1275.3	1244.8	1215.7	1205.0	1197.4
22.5°	1434.1	1388.3	1376.1	1315.0	1273.8	1226.4	1192.8	1171.4	1150.1	1142.4	1128.7
25°	1345.6	1318.1	1299.7	1234.1	1188.2	1144.0	1121.0	1105.8	1085.9	1084.4	1075.2
27.5°	1260.0	1234.1	1215.7	1153.1	1119.5	1078.3	1060.0	1043.2	1032.5	1027.9	1023.3
30°	1186.7	1157.7	1136.3	1090.5	1049.3	1015.7	1000.4	989.7	983.6	976.0	974.4
32.5°	1105.8	1089.0	1060.0	1024.8	992.8	960.7	951.5	943.9	934.7	931.7	930.1
35°	1037.0	1014.1	995.8	956.1	942.4	914.9	904.2	898.1	885.8	882.8	879.7
37.5°	969.8	948.5	928.6	904.2	878.2	862.9	856.8	847.7	841.5	843.1	840.0
40°	902.6	885.8	870.6	844.6	829.3	821.7	809.5	800.3	797.3	798.8	797.3
42.5°	837.0	821.7	812.5	792.7	777.4	769.8	762.1	753.0	757.5	757.5	762.1
45°	777.4	763.7	757.5	742.3	733.1	720.9	713.3	711.7	717.8	716.3	716.3
47.5°	716.3	711.7	704.1	690.3	678.1	670.5	669.0	669.0	675.1	678.1	676.6
50°	669.0	659.8	650.6	639.9	630.8	627.7	623.1	626.2	632.3	632.3	635.4
52.5°	609.4	603.3	600.2	591.1	585.0	585.0	585.0	586.5	591.1	595.7	594.1
55°	557.5	552.9	549.8	545.3	537.6	539.1	537.6	540.7	545.3	549.8	552.9
57.5°	502.5	501.0	497.9	490.3	490.3	488.7	493.3	494.8	502.5	505.5	510.1
60°	453.6	449.0	449.0	442.9	442.9	442.9	447.5	452.1	458.2	459.7	462.8
62.5°	401.7	401.7	400.2	395.6	395.6	400.2	401.7	407.8	410.8	410.8	415.4
65°	352.8	351.3	349.8	351.3	352.8	352.8	357.4	360.4	363.5	365.0	366.6
67.5°	303.9	302.4	305.5	303.9	307.0	313.1	311.6	316.2	320.7	320.7	322.3
70°	258.1	261.2	259.6	262.7	261.2	264.2	268.8	270.3	270.3	271.9	276.4
72.5°	215.4	215.4	215.4	213.8	215.4	218.4	221.5	223.0	226.0	227.6	232.2
75°	174.1	174.1	171.1	174.1	174.1	177.2	180.2	180.2	180.2	183.3	187.9
77.5°	131.3	132.9	131.3	134.4	134.4	135.9	139.0	137.5	140.5	142.0	143.6
80°	96.2	94.7	94.7	94.7	96.2	96.2	99.3	100.8	100.8	105.4	102.3
82.5°	61.1	62.6	61.1	62.6	62.6	64.1	62.6	64.1	65.7	68.7	67.2
85°	35.1	33.6	33.6	35.1	33.6	33.6	35.1	33.6	35.1	33.6	35.1
87.5°	13.7	12.2	12.2	12.2	12.2	10.7	10.7	9.2	9.2	9.2	7.6
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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1893.9	1898.4	1887.8	1884.7	1887.8	1877.1	1880.1	1883.2	1883.2	1887.8	1890.8
5°	1783.9	1777.8	1767.1	1764.0	1761.0	1765.6	1762.5	1767.1	1768.6	1779.3	1780.8
7.5°	1675.5	1666.3	1657.1	1648.0	1644.9	1637.3	1644.9	1644.9	1655.6	1652.6	1660.2
10°	1547.2	1545.6	1533.4	1528.8	1522.7	1510.5	1527.3	1522.7	1530.4	1544.1	1547.2
12.5°	1452.5	1435.7	1443.3	1421.9	1429.6	1417.3	1418.9	1418.9	1431.1	1432.6	1429.6
15°	1362.4	1348.6	1328.8	1319.6	1315.0	1308.9	1328.8	1330.3	1321.1	1342.5	1334.9
17.5°	1270.7	1270.7	1252.4	1247.8	1235.6	1241.7	1238.7	1240.2	1237.1	1252.4	1260.0
20°	1191.3	1183.7	1177.6	1179.1	1163.8	1160.8	1157.7	1160.8	1171.4	1182.1	1185.2
22.5°	1127.2	1122.6	1107.3	1110.4	1098.1	1102.7	1099.7	1107.3	1108.8	1108.8	1119.5
25°	1066.1	1060.0	1061.5	1055.4	1050.8	1050.8	1046.2	1050.8	1056.9	1060.0	1061.5
27.5°	1020.2	1015.7	1008.0	1003.4	1006.5	998.9	1005.0	1009.6	1009.6	1006.5	1009.6
30°	965.3	968.3	968.3	953.0	959.2	956.1	960.7	963.7	963.7	965.3	962.2
32.5°	928.6	919.4	917.9	916.4	916.4	910.3	910.3	914.9	916.4	917.9	922.5
35°	879.7	879.7	872.1	876.7	870.6	872.1	870.6	872.1	875.1	870.6	875.1
37.5°	835.4	837.0	833.9	837.0	838.5	835.4	832.4	838.5	835.4	835.4	832.4
40°	797.3	795.7	797.3	797.3	797.3	798.8	795.7	795.7	795.7	792.7	789.6
42.5°	765.2	756.0	759.1	760.6	756.0	756.0	757.5	756.0	760.6	751.4	751.4
45°	719.4	716.3	717.8	717.8	720.9	716.3	719.4	720.9	716.3	714.8	711.7
47.5°	678.1	681.2	678.1	681.2	681.2	684.2	678.1	679.7	681.2	675.1	670.5
50°	636.9	636.9	641.5	639.9	641.5	638.4	638.4	636.9	638.4	635.4	630.8
52.5°	598.7	594.1	601.8	600.2	598.7	597.2	595.7	597.2	594.1	591.1	591.1
55°	551.4	551.4	555.9	557.5	557.5	554.4	551.4	552.9	551.4	549.8	548.3
57.5°	513.2	507.1	510.1	511.6	511.6	507.1	510.1	507.1	507.1	508.6	504.0
60°	464.3	464.3	461.2	465.8	465.8	462.8	462.8	464.3	461.2	459.7	458.2
62.5°	412.4	413.9	418.5	420.0	421.5	418.5	415.4	417.0	417.0	412.4	413.9
65°	368.1	371.1	377.2	375.7	372.7	374.2	371.1	372.7	368.1	369.6	365.0
67.5°	325.3	323.8	325.3	325.3	328.4	326.8	323.8	323.8	322.3	326.8	322.3
70°	279.5	279.5	279.5	279.5	281.0	282.6	279.5	276.4	278.0	274.9	273.4
72.5°	232.2	233.7	232.2	235.2	230.6	233.7	233.7	232.2	230.6	230.6	230.6
75°	187.9	190.9	186.3	187.9	186.3	189.4	187.9	187.9	184.8	183.3	184.8
77.5°	143.6	145.1	142.0	143.6	142.0	143.6	143.6	142.0	142.0	142.0	142.0
80°	102.3	103.9	102.3	100.8	99.3	102.3	99.3	100.8	102.3	100.8	103.9
82.5°	65.7	65.7	64.1	65.7	62.6	62.6	64.1	64.1	62.6	65.7	62.6
85°	32.1	32.1	35.1	32.1	30.5	30.5	30.5	32.1	30.5	33.6	32.1
87.5°	7.6	6.1	7.6	7.6	6.1	6.1	7.6	6.1	7.6	9.2	6.1
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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1886.2	1898.4	1893.9	1877.1	1896.9	1896.9	1910.7	1910.7	1927.5	1933.6	1942.7
5°	1779.3	1788.5	1796.1	1788.5	1802.2	1823.6	1835.8	1846.5	1869.4	1878.6	1892.3
7.5°	1664.8	1681.6	1689.2	1689.2	1712.1	1736.6	1761.0	1776.3	1808.3	1820.6	1834.3
10°	1553.3	1573.1	1588.4	1586.9	1625.1	1640.3	1670.9	1706.0	1738.1	1756.4	1776.3
12.5°	1435.7	1446.4	1467.7	1498.3	1507.5	1534.9	1570.1	1614.4	1672.4	1689.2	1718.2
15°	1337.9	1366.9	1383.7	1397.5	1418.9	1444.8	1483.0	1525.8	1583.8	1620.5	1651.0
17.5°	1255.5	1293.6	1304.3	1301.3	1328.8	1368.5	1412.8	1444.8	1496.8	1541.1	1570.1
20°	1188.2	1203.5	1221.8	1229.5	1250.9	1293.6	1336.4	1373.1	1415.8	1450.9	1484.5
22.5°	1121.0	1133.3	1148.5	1162.3	1179.1	1203.5	1244.8	1290.6	1331.8	1365.4	1403.6
25°	1066.1	1073.7	1087.4	1098.1	1116.5	1133.3	1162.3	1212.7	1261.6	1281.4	1315.0
27.5°	1012.6	1018.7	1027.9	1040.1	1049.3	1066.1	1092.0	1133.3	1183.7	1203.5	1249.3
30°	965.3	969.8	979.0	985.1	989.7	1009.6	1029.4	1061.5	1099.7	1127.2	1160.8
32.5°	921.0	925.6	934.7	936.2	942.4	953.0	971.4	1000.4	1034.0	1056.9	1085.9
35°	872.1	875.1	884.3	887.4	892.0	901.1	914.9	936.2	966.8	983.6	1009.6
37.5°	833.9	832.4	838.5	843.1	849.2	853.8	858.3	879.7	902.6	917.9	937.8
40°	792.7	789.6	791.1	797.3	800.3	806.4	806.4	827.8	843.1	855.3	870.6
42.5°	751.4	749.9	746.9	749.9	753.0	754.5	756.0	771.3	786.6	797.3	814.1
45°	710.2	708.7	705.6	707.1	707.1	710.2	714.8	720.9	731.6	740.7	749.9
47.5°	672.0	669.0	664.4	662.9	665.9	665.9	665.9	672.0	682.7	685.8	694.9
50°	632.3	627.7	621.6	618.6	618.6	617.0	620.1	621.6	630.8	633.8	641.5
52.5°	589.5	586.5	580.4	574.3	575.8	572.7	574.3	575.8	578.9	583.4	588.0
55°	546.8	540.7	536.1	534.6	530.0	530.0	525.4	531.5	530.0	531.5	537.6
57.5°	505.5	499.4	491.8	488.7	484.2	482.6	479.6	478.0	479.6	484.2	488.7
60°	456.7	453.6	449.0	444.4	441.4	436.8	433.8	433.8	432.2	432.2	433.8
62.5°	409.3	407.8	401.7	400.2	397.1	394.0	389.5	386.4	386.4	389.5	391.0
65°	363.5	362.0	357.4	355.9	348.2	345.2	343.6	342.1	339.1	339.1	339.1
67.5°	320.7	316.2	316.2	308.5	302.4	299.4	296.3	294.8	294.8	294.8	296.3
70°	273.4	273.4	268.8	264.2	258.1	259.6	255.1	250.5	250.5	247.4	249.0
72.5°	227.6	226.0	221.5	219.9	215.4	210.8	207.7	210.8	206.2	204.7	206.2
75°	183.3	181.8	178.7	175.6	177.2	172.6	168.0	166.5	166.5	163.4	163.4
77.5°	140.5	143.6	137.5	135.9	132.9	129.8	128.3	126.8	126.8	126.8	129.8
80°	97.7	99.3	99.3	96.2	97.7	93.2	93.2	93.2	88.6	90.1	91.6
82.5°	62.6	62.6	61.1	62.6	61.1	61.1	59.6	59.6	58.0	58.0	59.6
85°	35.1	33.6	32.1	35.1	33.6	33.6	32.1	32.1	32.1	32.1	32.1
87.5°	7.6	9.2	9.2	9.2	9.2	10.7	10.7	10.7	12.2	12.2	12.2
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	89.4	125.8	162.1	198.5	216.7	216.9
105°	63.6	61.4	59.2	57.0	54.8	109.4	163.9	218.5	273.0	300.3	297.3
107.5°	65.4	63.2	61.0	58.8	56.6	123.9	191.3	258.6	325.9	359.6	357.1
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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1987.0	1987.0	1987.0	1987.0
2.5°	1950.4	1950.4	1973.3	1997.7
5°	1907.6	1918.3	1955.0	1988.6
7.5°	1866.4	1884.7	1930.5	1973.3
10°	1816.0	1840.4	1896.9	1947.3
12.5°	1767.1	1790.0	1855.7	1912.2
15°	1698.4	1727.4	1797.6	1867.9
17.5°	1629.6	1658.7	1744.2	1826.7
20°	1548.7	1586.9	1683.1	1793.1
22.5°	1473.9	1521.2	1628.1	1716.7
25°	1391.4	1464.7	1564.0	1678.5
27.5°	1318.1	1391.4	1492.2	1608.3
30°	1235.6	1310.4	1414.3	1521.2
32.5°	1156.2	1224.9	1325.7	1457.1
35°	1073.7	1139.4	1237.1	1370.0
37.5°	998.9	1063.0	1169.9	1292.1
40°	925.6	992.8	1084.4	1206.6
42.5°	856.8	916.4	998.9	1121.0
45°	794.2	837.0	913.3	1027.9
47.5°	728.5	766.7	837.0	951.5
50°	667.4	699.5	760.6	867.5
52.5°	607.9	635.4	691.9	777.4
55°	554.4	580.4	621.6	705.6
57.5°	499.4	519.3	559.0	626.2
60°	446.0	464.3	496.4	551.4
62.5°	392.5	407.8	438.3	482.6
65°	345.2	357.4	380.3	418.5
67.5°	299.4	307.0	325.3	355.9
70°	255.1	261.2	276.4	300.9
72.5°	207.7	213.8	230.6	247.4
75°	168.0	169.5	181.8	195.5
77.5°	131.3	129.8	139.0	149.7
80°	90.1	94.7	102.3	106.9
82.5°	61.1	62.6	65.7	68.7
85°	33.6	35.1	35.1	39.7
87.5°	13.7	15.3	15.3	16.8
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

TEST NUMBER: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

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: P998033

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_4000K

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	18.25	19.12	19.17	20.05	21.26	15.74	16.61	16.66	17.54	18.75
	3H	19.06	19.84	20.00	20.78	22.01	17.09	17.86	18.02	18.81	20.04
	4H	19.23	19.96	20.18	20.91	22.15	17.55	18.28	18.50	19.23	20.47
	6H	19.27	19.95	20.24	20.91	22.16	17.86	18.53	18.82	19.49	20.74
	8H	19.25	19.90	20.22	20.87	22.12	17.94	18.58	18.91	19.56	20.81
	12H	19.22	19.83	20.19	20.79	22.07	17.98	18.59	18.96	19.56	20.83
4H	2H	18.29	19.02	19.25	19.97	21.21	16.19	16.92	17.14	17.87	19.11
	3H	19.27	19.88	20.24	20.86	22.12	17.65	18.26	18.61	19.24	20.49
	4H	19.55	20.10	20.52	21.08	22.36	18.18	18.74	19.16	19.71	20.99
	6H	19.68	20.16	20.67	21.16	22.43	18.56	19.04	19.55	20.04	21.32
	8H	19.68	20.12	20.67	21.12	22.41	18.67	19.12	19.66	20.11	21.40
	12H	19.64	20.04	20.65	21.05	22.35	18.73	19.13	19.74	20.14	21.44
8H	4H	19.56	20.00	20.55	21.00	22.29	18.33	18.77	19.32	19.76	21.06
	6H	19.74	20.10	20.75	21.14	22.43	18.76	19.13	19.77	20.16	21.45
	8H	19.77	20.09	20.79	21.11	22.42	18.91	19.24	19.93	20.26	21.57
	12H	19.75	20.04	20.78	21.05	22.40	19.00	19.29	20.03	20.30	21.66
12H	4H	19.52	19.92	20.52	20.93	22.22	18.30	18.70	19.31	19.71	21.01
	6H	19.72	20.04	20.74	21.06	22.37	18.76	19.09	19.78	20.11	21.42
	8H	19.75	20.03	20.77	21.05	22.40	18.92	19.20	19.94	20.22	21.57