

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: P998031

Luminaire Tested: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998031
REPORT IS A COMBINATION OF REPORTS P983768 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_3000K
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

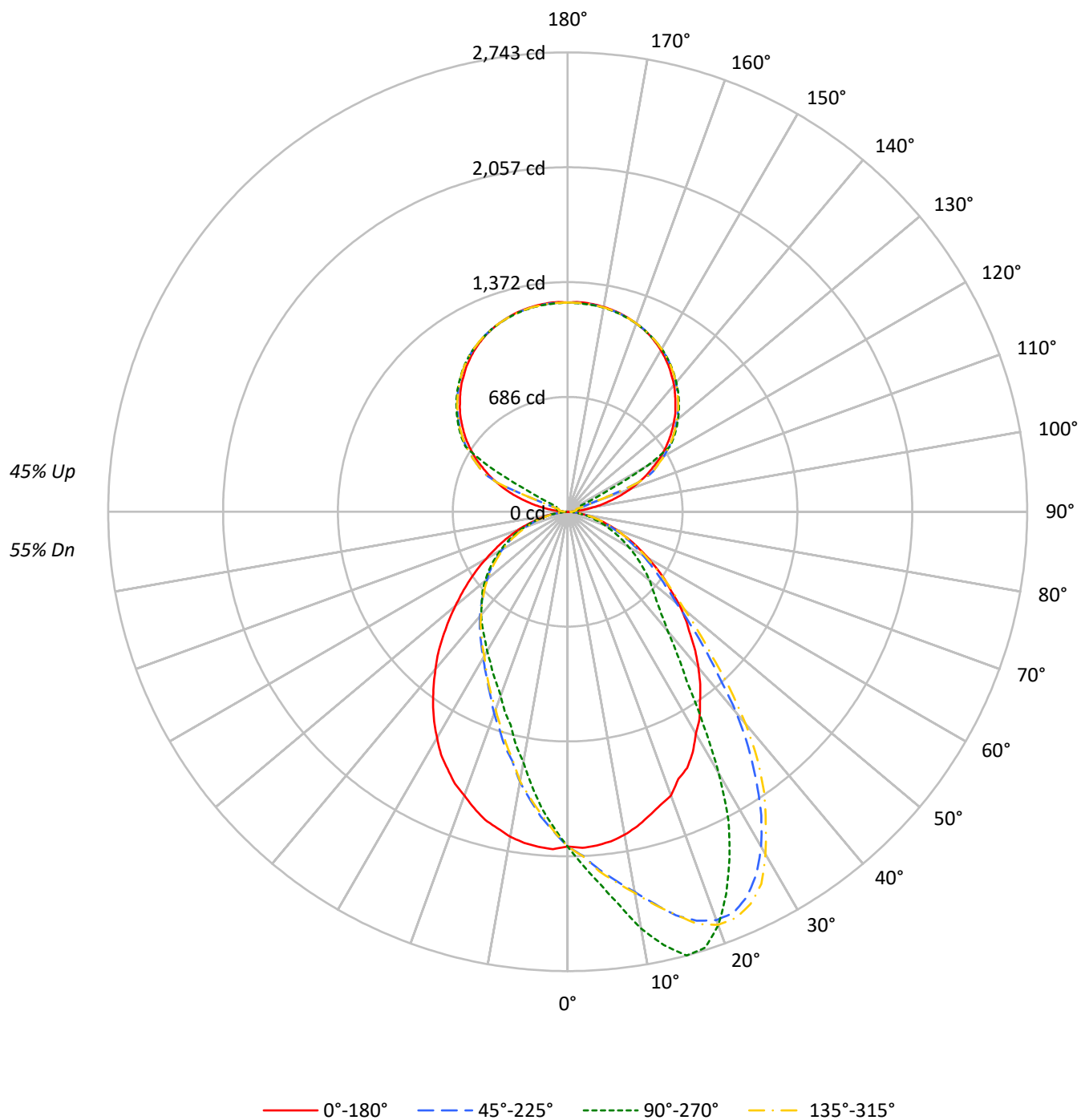
Lumens per Lamp: N/A
Luminaire Lumens: 8074.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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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	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°	31633	31633	31633	31633
5°	31709	33727	31831	26833
10°	31340	36820	31537	22123
15°	30581	38835	31006	18635
20°	30103	36464	30103	16197
25°	29144	31327	29277	14485
30°	27566	24625	28092	13119
35°	26167	17029	26605	12005
40°	24560	12857	24839	11114
45°	22576	10566	22945	10154
50°	20865	9273	20900	9296
55°	18908	7902	19033	8363
60°	16826	6600	17060	7298
65°	14963	5368	15236	6232
70°	13105	4212	13438	5028
75°	10998	3057	11429	3646
80°	8583	1938	9197	2163
85°	5636	976	6074	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32700 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	2.4
10°-20°	554.0	6.9
20°-30°	804.0	10.0
30°-40°	847.6	10.5
40°-50°	750.0	9.3
50°-60°	598.9	7.4
60°-70°	406.8	5.0
70°-80°	208.1	2.6
80°-90°	51.4	0.6
90°-100°	41.2	0.5
100°-110°	153.6	1.9
110°-120°	407.3	5.0
120°-130°	675.6	8.4
130°-140°	717.6	8.9
140°-150°	666.9	8.3
150°-160°	536.2	6.6
160°-170°	345.5	4.3
170°-180°	118.9	1.5
0°-30°	1548.4	19.2
0°-40°	2396.0	29.7
0°-60°	3744.9	46.4
0°-90°	4411.2	54.6
90°-120°	602.1	7.5
90°-150°	2662.2	33.0
90°-180°	3663.0	45.4
0°-180°	8074.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1998	1998	1998	1998	1998	
5°	2000	2232	2008	1776	2000	190
15°	1879	2743	1905	1316	1879	531
25°	1688	2286	1696	1057	1688	772
35°	1378	1244	1401	877	1378	862
45°	1034	750	1051	720	1034	802
55°	710	527	714	558	710	633
65°	421	324	429	376	421	418
75°	197	160	204	190	197	211
85°	40	42	43	31	40	47
90°	1	24	1	24	1	6
95°	59	39	59	39	59	70
105°	275	69	275	69	275	294
115°	520	74	520	74	520	512
125°	735	773	735	773	735	656
135°	910	939	910	939	910	703
145°	1055	1071	1055	1071	1055	660
155°	1162	1163	1162	1163	1162	535
165°	1224	1221	1224	1221	1224	346
175°	1252	1245	1252	1245	1252	119
180°	1249	1249	1249	1249	1249	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2009.1	2013.7	2021.4	2022.9	2038.3	2050.6	2064.4	2064.4	2069.0	2067.5	2055.2
5°	1999.9	2013.7	2033.7	2050.6	2078.2	2090.5	2109.0	2122.8	2135.1	2144.3	2142.8
7.5°	1984.5	2009.1	2038.3	2070.6	2107.4	2128.9	2155.0	2179.6	2196.5	2211.9	2222.6
10°	1958.4	1999.9	2039.8	2082.8	2130.5	2159.6	2190.4	2222.6	2248.7	2277.9	2305.6
12.5°	1923.1	1983.0	2032.2	2089.0	2147.4	2179.6	2228.8	2253.3	2304.0	2377.8	2397.7
15°	1878.6	1960.0	2006.0	2078.2	2155.0	2181.2	2248.7	2288.7	2393.1	2439.2	2494.5
17.5°	1837.1	1927.7	1989.1	2072.1	2147.4	2198.0	2264.1	2345.5	2433.1	2499.1	2560.5
20°	1803.3	1890.8	1964.6	2056.7	2152.0	2216.5	2285.6	2383.9	2479.1	2546.7	2594.3
22.5°	1726.5	1838.6	1924.6	2027.5	2142.8	2231.8	2297.9	2405.4	2508.3	2549.8	2591.3
25°	1688.1	1784.9	1884.7	2001.4	2136.6	2242.6	2299.4	2419.2	2509.9	2525.2	2534.4
27.5°	1617.4	1726.5	1843.2	1976.9	2135.1	2224.2	2296.4	2405.4	2477.6	2466.9	2439.2
30°	1529.9	1663.5	1792.5	1936.9	2113.6	2210.3	2277.9	2377.8	2414.6	2359.3	2310.2
32.5°	1465.4	1591.3	1734.2	1901.6	2089.0	2181.2	2247.2	2325.5	2333.2	2233.4	2150.4
35°	1377.8	1517.6	1678.9	1855.5	2047.5	2130.5	2191.9	2239.5	2202.7	2062.9	1964.6
37.5°	1299.5	1437.7	1609.8	1789.5	1990.7	2072.1	2121.2	2128.9	2038.3	1915.4	1771.0
40°	1213.5	1356.3	1536.0	1725.0	1927.7	1998.4	2029.1	2006.0	1875.5	1732.6	1565.2
42.5°	1127.4	1268.8	1462.3	1655.8	1847.8	1907.7	1920.0	1857.1	1697.3	1529.9	1336.3
45°	1033.7	1181.2	1374.7	1569.8	1755.7	1789.5	1791.0	1700.4	1511.4	1336.3	1156.6
47.5°	956.9	1093.6	1285.7	1480.7	1637.4	1660.4	1651.2	1546.8	1340.9	1144.3	987.7
50°	872.5	1003.0	1193.5	1385.5	1519.1	1525.3	1502.2	1353.2	1152.0	972.3	847.9
52.5°	781.8	913.9	1089.0	1273.4	1393.2	1384.0	1339.4	1179.7	990.7	841.7	746.5
55°	709.6	826.4	990.7	1170.4	1254.9	1228.8	1179.7	1016.8	867.9	741.9	659.0
57.5°	629.8	732.7	894.0	1050.6	1099.8	1075.2	1026.1	874.0	735.8	640.5	585.2
60°	554.5	648.2	789.5	920.1	958.5	932.4	875.5	738.8	639.0	559.1	517.6
62.5°	485.4	566.8	685.1	804.9	820.2	794.1	745.0	634.4	548.4	485.4	454.7
65°	420.9	497.7	592.9	683.5	697.4	669.7	619.0	539.1	467.0	427.0	397.8
67.5°	357.9	419.3	503.8	569.9	577.5	551.4	510.0	445.4	400.9	357.9	336.4
70°	302.6	348.7	414.7	468.5	471.6	447.0	425.5	367.1	333.3	302.6	285.7
72.5°	248.8	281.1	331.8	371.7	373.3	357.9	337.9	301.1	271.9	250.4	233.5
75°	196.6	224.3	255.0	290.3	288.8	276.5	261.1	238.1	213.5	199.7	192.0
77.5°	150.5	167.4	192.0	215.0	215.0	208.9	199.7	182.8	167.4	153.6	145.9
80°	107.5	118.3	138.2	145.9	149.0	147.5	139.8	127.5	121.3	110.6	107.5
82.5°	69.1	76.8	86.0	93.7	98.3	95.2	93.7	87.6	78.3	75.3	72.2
85°	39.9	43.0	47.6	52.2	53.8	52.2	55.3	50.7	46.1	46.1	44.5
87.5°	16.9	18.4	21.5	21.5	23.0	23.0	21.5	23.0	23.0	21.5	20.0
90°	0.9	3.1	5.3	7.5	9.7	10.8	11.6	13.2	14.9	16.5	18.1
92.5°	22.6	21.8	21.0	20.2	19.4	19.0	19.3	19.9	20.5	21.1	21.7
95°	58.8	52.2	45.5	38.9	32.2	28.9	29.6	31.0	32.5	33.9	35.3
97.5°	105.8	89.3	72.8	56.3	39.8	31.6	33.2	36.4	39.7	42.9	46.1
100°	160.0	132.5	105.0	77.5	50.0	36.2	37.9	41.3	44.7	48.1	51.5
102.5°	219.7	219.3	218.9	218.5	218.1	217.9	199.6	163.0	126.5	89.9	53.3
105°	274.8	280.8	286.9	292.9	299.0	302.0	274.6	219.7	164.8	110.0	55.1
107.5°	339.0	344.0	349.0	354.1	359.1	361.6	327.8	260.1	192.4	124.7	57.0
110°	400.5	404.7	408.9	413.2	417.4	419.5	390.5	332.4	274.3	216.3	158.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	458.4	462.0	465.6	469.2	472.8	474.6	472.9	469.5	466.1	462.7	459.3
115°	519.8	523.2	526.6	530.1	533.5	535.2	537.7	542.7	547.8	552.8	557.8
117.5°	573.2	577.2	581.2	585.2	589.2	591.2	592.9	596.3	599.8	603.2	606.6
120°	632.8	635.8	638.8	641.9	644.9	646.4	648.2	651.8	655.5	659.1	662.7
122.5°	683.5	686.7	689.9	693.1	696.3	697.9	699.9	703.9	708.0	712.0	716.0
125°	735.0	737.6	740.2	742.8	745.4	746.7	748.6	752.4	756.3	760.1	763.9
127.5°	782.0	784.8	787.6	790.5	793.3	794.7	796.2	799.2	802.2	805.2	808.2
130°	826.3	829.5	832.7	836.0	839.2	840.8	841.9	844.1	846.3	848.5	850.7
132.5°	871.5	874.1	876.7	879.4	882.0	883.3	884.4	886.6	888.8	891.0	893.2
135°	909.5	912.7	915.9	919.1	922.3	923.9	924.8	926.6	928.5	930.3	932.1
137.5°	949.3	951.7	954.1	956.5	958.9	960.1	961.1	963.1	965.1	967.1	969.1
140°	988.1	989.7	991.3	993.0	994.6	995.4	996.5	998.7	1000.9	1003.1	1005.3
142.5°	1020.7	1022.1	1023.5	1024.9	1026.3	1027.0	1028.3	1030.9	1033.6	1036.2	1038.8
145°	1055.0	1054.8	1054.6	1054.4	1054.2	1054.1	1055.8	1059.2	1062.7	1066.1	1069.5
147.5°	1084.9	1084.3	1083.7	1083.1	1082.5	1082.2	1083.9	1087.3	1090.7	1094.1	1097.5
150°	1113.8	1112.4	1111.0	1109.6	1108.2	1107.5	1109.1	1112.3	1115.5	1118.7	1121.9
152.5°	1138.2	1136.6	1135.0	1133.4	1131.8	1131.0	1132.5	1135.5	1138.5	1141.5	1144.5
155°	1161.7	1159.9	1158.1	1156.3	1154.5	1153.6	1154.8	1157.2	1159.6	1162.0	1164.4
157.5°	1180.7	1179.1	1177.5	1175.9	1174.3	1173.5	1174.4	1176.2	1178.0	1179.8	1181.6
160°	1197.0	1195.8	1194.6	1193.3	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0
162.5°	1211.4	1210.2	1209.0	1207.8	1206.6	1206.0	1206.5	1207.5	1208.5	1209.5	1210.5
165°	1224.1	1222.9	1221.7	1220.5	1219.3	1218.7	1219.0	1219.6	1220.2	1220.8	1221.4
167.5°	1234.0	1232.8	1231.6	1230.4	1229.2	1228.6	1228.9	1229.5	1230.1	1230.7	1231.3
170°	1242.2	1241.0	1239.8	1238.5	1237.3	1236.7	1236.9	1237.3	1237.8	1238.2	1238.6
172.5°	1247.6	1246.4	1245.2	1244.0	1242.8	1242.2	1242.4	1242.8	1243.2	1243.6	1244.0
175°	1252.1	1250.7	1249.3	1247.9	1246.5	1245.8	1246.0	1246.4	1246.8	1247.2	1247.6
177.5°	1253.9	1252.5	1251.1	1249.7	1248.3	1247.6	1247.7	1247.9	1248.1	1248.3	1248.5
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2076.7	2078.2	2081.3	2096.7	2104.3	2105.9	2099.7	2113.6	2118.2	2113.6	2110.5
5°	2175.0	2184.2	2202.7	2222.6	2221.1	2222.6	2231.8	2241.1	2244.1	2231.8	2236.4
7.5°	2261.0	2279.5	2299.4	2330.1	2330.1	2345.5	2351.6	2359.3	2377.8	2368.5	2365.5
10°	2359.3	2383.9	2420.8	2469.9	2471.5	2486.8	2502.2	2526.8	2534.4	2528.3	2531.4
12.5°	2482.2	2529.8	2532.9	2586.7	2611.2	2614.3	2638.9	2634.3	2649.6	2649.6	2675.7
15°	2536.0	2609.7	2651.2	2703.4	2718.8	2700.3	2720.3	2741.8	2743.3	2743.3	2741.8
17.5°	2632.7	2661.9	2703.4	2731.0	2737.2	2737.2	2738.7	2747.9	2741.8	2729.5	2738.7
20°	2652.7	2665.0	2680.4	2677.3	2680.4	2665.0	2649.6	2634.3	2635.8	2628.1	2651.2
22.5°	2615.8	2612.8	2577.4	2554.4	2554.4	2523.7	2494.5	2480.7	2466.9	2471.5	2479.1
25°	2523.7	2476.1	2433.1	2399.3	2391.6	2342.4	2302.5	2290.2	2267.2	2285.6	2288.7
27.5°	2376.2	2322.5	2253.3	2224.2	2184.2	2164.3	2136.6	2099.7	2052.1	2079.8	2075.2
30°	2218.0	2138.1	2081.3	2010.7	1947.7	1943.1	1890.8	1829.4	1804.8	1804.8	1818.6
32.5°	2041.4	1935.4	1852.4	1752.6	1691.2	1665.0	1602.1	1540.6	1554.5	1508.4	1525.3
35°	1835.5	1695.8	1591.3	1494.5	1448.5	1417.7	1336.3	1302.5	1265.7	1244.2	1284.1
37.5°	1638.9	1477.7	1344.0	1238.0	1221.1	1165.8	1110.5	1089.0	1067.5	1076.8	1075.2
40°	1399.3	1256.5	1136.7	1053.7	1024.5	998.4	961.5	935.4	921.6	929.3	930.8
42.5°	1182.7	1062.9	973.8	915.5	890.9	872.5	854.0	832.5	827.9	827.9	834.1
45°	1015.3	917.0	857.1	809.5	795.7	781.8	768.0	758.8	755.7	749.6	754.2
47.5°	881.7	803.3	766.5	731.1	715.8	712.7	700.4	695.8	689.7	688.1	689.7
50°	769.5	720.4	686.6	666.6	655.9	651.3	645.1	635.9	632.8	640.5	637.4
52.5°	691.2	645.1	626.7	606.7	600.6	594.4	585.2	586.8	585.2	582.2	582.2
55°	612.9	583.7	565.3	549.9	548.4	542.2	534.5	531.5	529.9	526.9	531.5
57.5°	549.9	526.9	510.0	496.1	490.0	490.0	482.3	476.2	476.2	474.6	476.2
60°	486.9	463.9	453.1	439.3	434.7	433.2	428.6	425.5	420.9	420.9	420.9
62.5°	428.6	410.1	397.8	385.5	387.1	379.4	373.3	370.2	370.2	371.7	371.7
65°	373.3	361.0	345.6	334.9	331.8	330.2	327.2	325.6	321.0	324.1	324.1
67.5°	322.6	305.7	296.5	291.8	287.2	285.7	282.6	279.6	278.0	276.5	279.6
70°	271.9	258.1	250.4	247.3	242.7	241.2	239.6	235.0	236.5	238.1	239.6
72.5°	225.8	213.5	212.0	202.8	202.8	202.8	196.6	199.7	198.1	195.1	198.1
75°	178.2	172.0	169.0	164.4	165.9	164.4	162.8	158.2	158.2	159.7	161.3
77.5°	141.3	135.2	133.6	129.0	126.0	129.0	126.0	124.4	124.4	126.0	126.0
80°	104.4	101.4	96.8	96.8	96.8	95.2	95.2	95.2	93.7	92.2	93.7
82.5°	69.1	69.1	67.6	66.0	67.6	64.5	66.0	66.0	66.0	66.0	66.0
85°	44.5	43.0	43.0	41.5	41.5	41.5	43.0	39.9	39.9	41.5	41.5
87.5°	20.0	20.0	20.0	21.5	20.0	20.0	20.0	21.5	20.0	20.0	20.0
90°	19.1	20.1	21.1	22.1	22.6	22.8	23.2	23.6	24.0	24.4	24.0
92.5°	22.1	22.5	22.9	23.3	23.5	23.6	23.8	24.0	24.2	24.4	24.2
95°	36.3	37.3	38.3	39.3	39.8	39.7	39.5	39.3	39.1	38.9	39.1
97.5°	46.7	47.3	47.9	48.5	48.8	48.9	49.1	49.3	49.5	49.7	49.5
100°	53.1	54.7	56.4	58.0	58.8	59.0	59.4	59.8	60.2	60.6	60.2
102.5°	55.5	57.7	60.0	62.2	63.3	63.6	64.2	64.8	65.4	66.0	65.4
105°	57.3	59.5	61.8	64.0	65.1	65.5	66.3	67.1	67.9	68.7	67.9
107.5°	59.2	61.4	63.6	65.8	66.9	67.3	68.1	68.9	69.7	70.5	69.7
110°	138.1	118.0	97.9	77.8	67.8	68.2	69.0	69.8	70.6	71.4	70.6

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	372.7	286.1	199.5	112.9	69.6	69.9	70.5	71.1	71.7	72.3	71.7
115°	464.8	371.8	278.7	185.7	139.2	132.0	117.5	103.0	88.6	74.1	88.6
117.5°	577.9	549.1	520.4	491.7	477.3	451.0	398.4	345.7	293.1	240.5	293.1
120°	665.1	667.5	669.9	672.3	673.5	659.9	632.8	605.7	578.6	551.5	578.6
122.5°	717.2	718.4	719.6	720.8	721.4	721.5	721.7	721.9	722.1	722.3	722.1
125°	765.3	766.7	768.2	769.6	770.3	770.6	771.2	771.8	772.4	773.0	772.4
127.5°	810.2	812.2	814.3	816.3	817.3	817.4	817.6	817.8	818.0	818.2	818.0
130°	852.9	855.1	857.4	859.6	860.7	860.6	860.4	860.2	860.0	859.8	860.0
132.5°	895.0	896.8	898.6	900.4	901.3	901.2	901.0	900.8	900.6	900.4	900.6
135°	934.1	936.1	938.1	940.1	941.1	940.9	940.5	940.1	939.7	939.3	939.7
137.5°	971.1	973.1	975.2	977.2	978.2	977.9	977.3	976.7	976.1	975.5	976.1
140°	1007.1	1008.9	1010.7	1012.5	1013.4	1012.9	1011.9	1010.9	1009.9	1008.9	1009.9
142.5°	1040.4	1042.0	1043.6	1045.2	1046.0	1045.5	1044.5	1043.5	1042.5	1041.5	1042.5
145°	1070.9	1072.3	1073.7	1075.1	1075.8	1075.3	1074.3	1073.3	1072.3	1071.3	1072.3
147.5°	1098.5	1099.5	1100.5	1101.5	1102.0	1101.6	1100.8	1100.0	1099.2	1098.4	1099.2
150°	1123.1	1124.3	1125.6	1126.8	1127.4	1126.9	1125.9	1124.8	1123.8	1122.8	1123.8
152.5°	1145.7	1146.9	1148.2	1149.4	1150.0	1149.3	1147.9	1146.4	1145.0	1143.6	1145.0
155°	1165.6	1166.8	1168.0	1169.2	1169.8	1169.0	1167.4	1165.8	1164.2	1162.6	1164.2
157.5°	1183.0	1184.4	1185.8	1187.2	1187.9	1187.1	1185.5	1183.9	1182.3	1180.7	1182.3
160°	1198.2	1199.4	1200.6	1201.8	1202.4	1201.7	1200.3	1198.9	1197.5	1196.1	1197.5
162.5°	1211.9	1213.3	1214.8	1216.2	1216.9	1216.0	1214.2	1212.3	1210.5	1208.7	1210.5
165°	1222.8	1224.2	1225.6	1227.0	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1222.8
167.5°	1232.7	1234.1	1235.5	1236.9	1237.6	1236.7	1234.9	1233.1	1231.3	1229.5	1231.3
170°	1240.0	1241.4	1242.8	1244.2	1244.9	1244.0	1242.2	1240.3	1238.5	1236.7	1238.5
172.5°	1245.4	1246.8	1248.2	1249.6	1250.3	1249.4	1247.6	1245.8	1244.0	1242.2	1244.0
175°	1249.0	1250.4	1251.8	1253.2	1253.9	1252.9	1250.9	1248.9	1246.9	1244.9	1246.9
177.5°	1249.9	1251.3	1252.7	1254.1	1254.8	1253.9	1252.1	1250.3	1248.5	1246.7	1248.5
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2118.2	2107.4	2098.2	2099.7	2107.4	2101.3	2085.9	2065.9	2058.3	2049.1	2058.3
5°	2245.7	2236.4	2218.0	2219.6	2214.9	2208.8	2184.2	2153.5	2153.5	2128.9	2125.9
7.5°	2371.6	2357.8	2345.5	2342.4	2325.5	2313.2	2291.7	2248.7	2231.8	2202.7	2185.8
10°	2512.9	2502.2	2488.4	2471.5	2462.2	2440.7	2405.4	2342.4	2311.7	2271.8	2242.6
12.5°	2655.8	2654.2	2623.5	2589.7	2588.2	2554.4	2529.8	2445.3	2403.9	2350.1	2281.0
15°	2746.4	2738.7	2721.8	2704.9	2709.5	2672.7	2617.4	2517.5	2489.9	2425.4	2351.6
17.5°	2744.9	2744.9	2740.3	2737.2	2732.6	2721.8	2691.1	2625.1	2580.5	2499.1	2430.0
20°	2657.3	2677.3	2681.9	2680.4	2695.7	2703.4	2701.9	2660.4	2625.1	2552.9	2482.2
22.5°	2482.2	2528.3	2548.3	2560.5	2592.8	2609.7	2649.6	2634.3	2625.1	2571.3	2511.4
25°	2319.4	2334.8	2394.7	2397.7	2442.3	2483.7	2523.7	2549.8	2583.6	2563.6	2512.9
27.5°	2109.0	2144.3	2187.3	2219.6	2228.8	2313.2	2379.3	2428.5	2505.3	2511.4	2494.5
30°	1870.9	1887.8	1958.4	2001.4	2050.6	2112.0	2207.3	2291.7	2360.9	2423.8	2445.3
32.5°	1580.6	1649.7	1691.2	1743.4	1786.4	1895.5	2012.2	2121.2	2201.1	2307.1	2353.2
35°	1314.8	1368.6	1439.3	1460.8	1539.1	1631.3	1783.3	1923.1	2044.4	2152.0	2245.7
37.5°	1095.2	1138.2	1213.5	1247.2	1293.3	1411.6	1539.1	1712.7	1858.6	1990.7	2107.4
40°	944.7	976.9	1033.7	1044.5	1082.9	1190.4	1293.3	1456.1	1649.7	1827.9	1955.4
42.5°	841.7	857.1	895.5	909.3	933.9	1006.1	1098.3	1251.9	1431.6	1615.9	1795.6
45°	768.0	778.8	801.8	814.1	844.8	877.1	952.3	1075.2	1216.5	1402.4	1595.9
47.5°	702.0	715.8	725.0	732.7	749.6	784.9	834.1	924.7	1059.9	1230.4	1417.7
50°	646.7	651.3	668.2	669.7	680.5	703.5	749.6	804.9	912.4	1050.6	1231.9
52.5°	591.4	596.0	606.7	617.5	622.1	640.5	671.2	717.3	797.2	906.3	1067.5
55°	536.1	542.2	553.0	560.6	565.3	580.6	599.0	643.6	706.6	783.4	915.5
57.5°	480.8	494.6	497.7	502.3	510.0	526.9	543.8	569.9	619.0	689.7	786.4
60°	428.6	433.2	443.9	448.5	456.2	465.4	486.9	506.9	542.2	597.5	685.1
62.5°	374.8	385.5	390.1	394.8	400.9	411.7	425.5	447.0	477.7	522.2	591.4
65°	328.7	330.2	339.5	345.6	351.7	359.4	373.3	393.2	411.7	453.1	503.8
67.5°	284.2	287.2	290.3	296.5	304.1	311.8	324.1	334.9	357.9	385.5	425.5
70°	241.2	241.2	248.8	253.4	251.9	261.1	270.3	282.6	299.5	325.6	357.9
72.5°	202.8	201.2	207.4	208.9	212.0	218.1	224.3	236.5	245.8	265.7	290.3
75°	161.3	164.4	167.4	167.4	172.0	176.6	182.8	188.9	199.7	212.0	230.4
77.5°	127.5	127.5	130.6	132.1	136.7	135.2	141.3	147.5	155.1	165.9	179.7
80°	93.7	96.8	96.8	96.8	98.3	99.8	106.0	110.6	115.2	122.9	129.0
82.5°	66.0	66.0	69.1	69.1	69.1	72.2	72.2	73.7	76.8	81.4	86.0
85°	41.5	41.5	41.5	43.0	41.5	43.0	46.1	44.5	46.1	49.2	49.2
87.5°	20.0	20.0	20.0	20.0	20.0	21.5	20.0	21.5	23.0	23.0	23.0
90°	23.6	23.2	22.8	22.6	22.1	21.1	20.1	19.1	18.1	16.5	14.9
92.5°	24.0	23.8	23.6	23.5	23.3	22.9	22.5	22.1	21.7	21.1	20.5
95°	39.3	39.5	39.7	39.8	39.3	38.3	37.3	36.3	35.3	33.9	32.5
97.5°	49.3	49.1	48.9	48.8	48.5	47.9	47.3	46.7	46.1	42.9	39.7
100°	59.8	59.4	59.0	58.8	58.0	56.4	54.7	53.1	51.5	48.1	44.7
102.5°	64.8	64.2	63.6	63.3	62.2	60.0	57.7	55.5	53.3	49.9	46.5
105°	67.1	66.3	65.5	65.1	64.0	61.8	59.5	57.3	55.1	51.0	47.8
107.5°	68.9	68.1	67.3	66.9	65.8	63.6	61.4	59.2	57.0	52.7	49.5
110°	69.8	69.0	68.2	67.8	77.8	97.9	118.0	138.1	158.2	216.3	274.3

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CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	71.1	70.5	69.9	69.6	112.9	199.5	286.1	372.7	459.3	462.7	466.1
115°	103.0	117.5	132.0	139.2	185.7	278.7	371.8	464.8	557.8	552.8	547.8
117.5°	345.7	398.4	451.0	477.3	491.7	520.4	549.1	577.9	606.6	603.2	599.8
120°	605.7	632.8	659.9	673.5	672.3	669.9	667.5	665.1	662.7	659.1	655.5
122.5°	721.9	721.7	721.5	721.4	720.8	719.6	718.4	717.2	716.0	712.0	708.0
125°	771.8	771.2	770.6	770.3	769.6	768.2	766.7	765.3	763.9	760.1	756.3
127.5°	817.8	817.6	817.4	817.3	816.3	814.3	812.2	810.2	808.2	805.2	802.2
130°	860.2	860.4	860.6	860.7	859.6	857.4	855.1	852.9	850.7	848.5	846.3
132.5°	900.8	901.0	901.2	901.3	900.4	898.6	896.8	895.0	893.2	891.0	888.8
135°	940.1	940.5	940.9	941.1	940.1	938.1	936.1	934.1	932.1	930.3	928.5
137.5°	976.7	977.3	977.9	978.2	977.2	975.2	973.1	971.1	969.1	967.1	965.1
140°	1010.9	1011.9	1012.9	1013.4	1012.5	1010.7	1008.9	1007.1	1005.3	1003.1	1000.9
142.5°	1043.5	1044.5	1045.5	1046.0	1045.2	1043.6	1042.0	1040.4	1038.8	1036.2	1033.6
145°	1073.3	1074.3	1075.3	1075.8	1075.1	1073.7	1072.3	1070.9	1069.5	1066.1	1062.7
147.5°	1100.0	1100.8	1101.6	1102.0	1101.5	1100.5	1099.5	1098.5	1097.5	1094.1	1090.7
150°	1124.8	1125.9	1126.9	1127.4	1126.8	1125.6	1124.3	1123.1	1121.9	1118.7	1115.5
152.5°	1146.4	1147.9	1149.3	1150.0	1149.4	1148.2	1146.9	1145.7	1144.5	1141.5	1138.5
155°	1165.8	1167.4	1169.0	1169.8	1169.2	1168.0	1166.8	1165.6	1164.4	1162.0	1159.6
157.5°	1183.9	1185.5	1187.1	1187.9	1187.2	1185.8	1184.4	1183.0	1181.6	1179.8	1178.0
160°	1198.9	1200.3	1201.7	1202.4	1201.8	1200.6	1199.4	1198.2	1197.0	1195.8	1194.6
162.5°	1212.3	1214.2	1216.0	1216.9	1216.2	1214.8	1213.3	1211.9	1210.5	1209.5	1208.5
165°	1224.2	1225.6	1227.0	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1220.8	1220.2
167.5°	1233.1	1234.9	1236.7	1237.6	1236.9	1235.5	1234.1	1232.7	1231.3	1230.7	1230.1
170°	1240.3	1242.2	1244.0	1244.9	1244.2	1242.8	1241.4	1240.0	1238.6	1238.2	1237.8
172.5°	1245.8	1247.6	1249.4	1250.3	1249.6	1248.2	1246.8	1245.4	1244.0	1243.6	1243.2
175°	1248.9	1250.9	1252.9	1253.9	1253.2	1251.8	1250.4	1249.0	1247.6	1247.2	1246.8
177.5°	1250.3	1252.1	1253.9	1254.8	1254.1	1252.7	1251.3	1249.9	1248.5	1248.3	1248.1
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998031

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2050.6	2042.9	2038.3	2041.4	2032.2	2009.1	2009.1	2016.8	2007.6	1998.4	1984.5
5°	2107.4	2092.1	2082.8	2081.3	2059.8	2022.9	2015.3	2007.6	1987.6	1966.1	1943.1
7.5°	2162.7	2135.1	2119.7	2109.0	2078.2	2030.6	2010.7	1993.8	1961.5	1929.2	1900.1
10°	2208.8	2168.9	2150.4	2133.5	2093.6	2033.7	2001.4	1970.7	1929.2	1887.8	1850.9
12.5°	2245.7	2199.6	2176.5	2152.0	2102.8	2024.5	1984.5	1935.4	1893.9	1838.6	1801.8
15°	2307.1	2211.9	2190.4	2167.3	2116.6	2009.1	1960.0	1904.7	1847.8	1774.1	1734.2
17.5°	2356.3	2228.8	2227.2	2178.1	2112.0	2003.0	1927.7	1855.5	1794.1	1720.3	1657.4
20°	2385.4	2254.9	2230.3	2179.6	2096.7	1961.5	1883.2	1803.3	1737.2	1648.2	1585.2
22.5°	2410.0	2291.7	2227.2	2165.8	2064.4	1947.7	1832.5	1757.2	1666.6	1569.8	1509.9
25°	2419.2	2299.4	2231.8	2161.2	2041.4	1907.7	1777.2	1695.8	1594.4	1506.8	1425.4
27.5°	2420.8	2297.9	2214.9	2141.2	2009.1	1855.5	1721.9	1635.9	1523.7	1422.4	1340.9
30°	2405.4	2281.0	2205.7	2125.9	1978.4	1807.9	1654.3	1559.1	1439.3	1337.9	1253.4
32.5°	2359.3	2247.2	2185.8	2098.2	1938.5	1741.8	1589.8	1483.8	1357.8	1258.0	1176.6
35°	2282.5	2205.7	2138.1	2056.7	1886.2	1680.4	1525.3	1400.9	1273.4	1178.1	1101.3
37.5°	2187.3	2145.8	2082.8	2003.0	1826.3	1625.1	1453.1	1314.8	1187.3	1095.2	1019.9
40°	2058.3	2069.0	2007.6	1935.4	1755.7	1549.8	1359.4	1227.3	1107.5	1021.5	947.7
42.5°	1918.5	1963.0	1927.7	1858.6	1677.3	1466.9	1290.3	1144.3	1027.6	938.5	877.1
45°	1768.0	1844.8	1823.3	1772.6	1595.9	1379.3	1192.0	1050.6	947.7	861.7	807.9
47.5°	1603.6	1712.7	1712.7	1675.8	1505.3	1291.8	1107.5	963.1	861.7	800.3	748.0
50°	1436.2	1559.1	1579.0	1554.5	1403.9	1192.0	1004.6	874.0	786.4	726.5	688.1
52.5°	1261.1	1403.9	1440.8	1428.5	1296.4	1096.7	920.1	792.6	712.7	660.5	626.7
55°	1093.6	1259.5	1299.5	1304.1	1181.2	992.3	826.4	714.3	637.4	602.1	572.9
57.5°	935.4	1095.2	1139.7	1147.4	1064.5	897.0	738.8	640.5	571.4	542.2	519.2
60°	800.3	933.9	992.3	1009.2	937.0	786.4	657.4	562.2	510.0	482.3	460.8
62.5°	689.7	797.2	858.6	863.2	831.0	689.7	572.9	493.1	448.5	423.9	413.2
65°	582.2	678.9	715.8	734.2	708.1	597.5	494.6	428.6	393.2	371.7	361.0
67.5°	496.1	557.6	588.3	612.9	586.8	503.8	420.9	367.1	341.0	319.5	313.3
70°	407.0	457.7	480.8	505.4	482.3	419.3	359.4	310.3	287.2	270.3	262.7
72.5°	325.6	365.6	387.1	402.4	388.6	336.4	287.2	253.4	236.5	224.3	219.7
75°	258.1	285.7	298.0	308.7	302.6	262.7	231.9	204.3	188.9	178.2	175.1
77.5°	196.6	216.6	230.4	233.5	225.8	199.7	173.6	156.7	144.4	138.2	135.2
80°	139.8	152.1	159.7	164.4	156.7	145.9	127.5	115.2	104.4	96.8	95.2
82.5°	93.7	99.8	106.0	104.4	101.4	92.2	81.4	75.3	70.7	64.5	64.5
85°	53.8	55.3	58.4	59.9	58.4	52.2	46.1	43.0	39.9	35.3	35.3
87.5°	23.0	24.6	24.6	26.1	23.0	23.0	20.0	16.9	16.9	15.4	13.8
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°	19.9	19.3	19.0	19.4	20.2	21.0	21.8	22.6	21.8	21.0	20.2
95°	31.0	29.6	28.9	32.2	38.9	45.5	52.2	58.8	52.2	45.5	38.9
97.5°	36.4	33.2	31.6	39.8	56.3	72.8	89.3	105.8	89.3	72.8	56.3
100°	41.3	37.9	36.2	50.0	77.5	105.0	132.5	160.0	132.5	105.0	77.5
102.5°	163.0	199.6	217.9	218.1	218.5	218.9	219.3	219.7	219.3	218.9	218.5
105°	219.7	274.6	302.0	299.0	292.9	286.9	280.8	274.8	280.8	286.9	292.9
107.5°	260.1	327.8	361.6	359.1	354.1	349.0	344.0	339.0	344.0	349.0	354.1
110°	332.4	390.5	419.5	417.4	413.2	408.9	404.7	400.5	404.7	408.9	413.2

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	469.5	472.9	474.6	472.8	469.2	465.6	462.0	458.4	462.0	465.6	469.2
115°	542.7	537.7	535.2	533.5	530.1	526.6	523.2	519.8	523.2	526.6	530.1
117.5°	596.3	592.9	591.2	589.2	585.2	581.2	577.2	573.2	577.2	581.2	585.2
120°	651.8	648.2	646.4	644.9	641.9	638.8	635.8	632.8	635.8	638.8	641.9
122.5°	703.9	699.9	697.9	696.3	693.1	689.9	686.7	683.5	686.7	689.9	693.1
125°	752.4	748.6	746.7	745.4	742.8	740.2	737.6	735.0	737.6	740.2	742.8
127.5°	799.2	796.2	794.7	793.3	790.5	787.6	784.8	782.0	784.8	787.6	790.5
130°	844.1	841.9	840.8	839.2	836.0	832.7	829.5	826.3	829.5	832.7	836.0
132.5°	886.6	884.4	883.3	882.0	879.4	876.7	874.1	871.5	874.1	876.7	879.4
135°	926.6	924.8	923.9	922.3	919.1	915.9	912.7	909.5	912.7	915.9	919.1
137.5°	963.1	961.1	960.1	958.9	956.5	954.1	951.7	949.3	951.7	954.1	956.5
140°	998.7	996.5	995.4	994.6	993.0	991.3	989.7	988.1	989.7	991.3	993.0
142.5°	1030.9	1028.3	1027.0	1026.3	1024.9	1023.5	1022.1	1020.7	1022.1	1023.5	1024.9
145°	1059.2	1055.8	1054.1	1054.2	1054.4	1054.6	1054.8	1055.0	1054.8	1054.6	1054.4
147.5°	1087.3	1083.9	1082.2	1082.5	1083.1	1083.7	1084.3	1084.9	1084.3	1083.7	1083.1
150°	1112.3	1109.1	1107.5	1108.2	1109.6	1111.0	1112.4	1113.8	1112.4	1111.0	1109.6
152.5°	1135.5	1132.5	1131.0	1131.8	1133.4	1135.0	1136.6	1138.2	1136.6	1135.0	1133.4
155°	1157.2	1154.8	1153.6	1154.5	1156.3	1158.1	1159.9	1161.7	1159.9	1158.1	1156.3
157.5°	1176.2	1174.4	1173.5	1174.3	1175.9	1177.5	1179.1	1180.7	1179.1	1177.5	1175.9
160°	1193.3	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0	1195.8	1194.6	1193.3
162.5°	1207.5	1206.5	1206.0	1206.6	1207.8	1209.0	1210.2	1211.4	1210.2	1209.0	1207.8
165°	1219.6	1219.0	1218.7	1219.3	1220.5	1221.7	1222.9	1224.1	1222.9	1221.7	1220.5
167.5°	1229.5	1228.9	1228.6	1229.2	1230.4	1231.6	1232.8	1234.0	1232.8	1231.6	1230.4
170°	1237.3	1236.9	1236.7	1237.3	1238.5	1239.8	1241.0	1242.2	1241.0	1239.8	1238.5
172.5°	1242.8	1242.4	1242.2	1242.8	1244.0	1245.2	1246.4	1247.6	1246.4	1245.2	1244.0
175°	1246.4	1246.0	1245.8	1246.5	1247.9	1249.3	1250.7	1252.1	1250.7	1249.3	1247.9
177.5°	1247.9	1247.7	1247.6	1248.3	1249.7	1251.1	1252.5	1253.9	1252.5	1251.1	1249.7
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1976.9	1984.5	1983.0	1967.6	1950.7	1936.9	1910.8	1913.9	1904.7	1906.2	1915.4
5°	1927.7	1927.7	1921.6	1900.1	1872.4	1857.1	1827.9	1820.2	1801.8	1800.2	1798.7
7.5°	1875.5	1867.8	1860.1	1829.4	1795.6	1771.0	1731.1	1721.9	1703.4	1691.2	1685.0
10°	1814.0	1803.3	1787.9	1752.6	1711.1	1680.4	1638.9	1626.6	1591.3	1576.0	1566.7
12.5°	1746.5	1740.3	1715.7	1686.6	1619.0	1585.2	1525.3	1537.6	1502.2	1471.5	1466.9
15°	1678.9	1655.8	1642.0	1594.4	1513.0	1497.6	1450.0	1425.4	1393.2	1368.6	1368.6
17.5°	1612.8	1577.5	1546.8	1496.1	1436.2	1393.2	1357.8	1345.6	1305.6	1281.0	1276.4
20°	1525.3	1485.3	1477.7	1405.5	1364.0	1316.4	1282.6	1251.9	1222.7	1211.9	1204.2
22.5°	1442.3	1396.2	1384.0	1322.5	1281.0	1233.4	1199.6	1178.1	1156.6	1148.9	1135.1
25°	1353.2	1325.6	1307.2	1241.1	1195.0	1150.5	1127.4	1112.1	1092.1	1090.6	1081.4
27.5°	1267.2	1241.1	1222.7	1159.7	1125.9	1084.4	1066.0	1049.1	1038.4	1033.7	1029.1
30°	1193.5	1164.3	1142.8	1096.7	1055.2	1021.5	1006.1	995.3	989.2	981.5	980.0
32.5°	1112.1	1095.2	1066.0	1030.7	998.4	966.2	956.9	949.3	940.0	937.0	935.4
35°	1043.0	1019.9	1001.5	961.5	947.7	920.1	909.3	903.2	890.9	887.8	884.7
37.5°	975.4	953.9	933.9	909.3	883.2	867.9	861.7	852.5	846.3	847.9	844.8
40°	907.8	890.9	875.5	849.4	834.1	826.4	814.1	804.9	801.8	803.3	801.8
42.5°	841.7	826.4	817.2	797.2	781.8	774.2	766.5	757.3	761.9	761.9	766.5
45°	781.8	768.0	761.9	746.5	737.3	725.0	717.3	715.8	721.9	720.4	720.4
47.5°	720.4	715.8	708.1	694.3	682.0	674.3	672.8	672.8	678.9	682.0	680.5
50°	672.8	663.6	654.3	643.6	634.4	631.3	626.7	629.8	635.9	635.9	639.0
52.5°	612.9	606.7	603.7	594.4	588.3	588.3	588.3	589.8	594.4	599.0	597.5
55°	560.6	556.0	553.0	548.4	540.7	542.2	540.7	543.8	548.4	553.0	556.0
57.5°	505.4	503.8	500.7	493.1	493.1	491.5	496.1	497.7	505.4	508.4	513.0
60°	456.2	451.6	451.6	445.4	445.4	445.4	450.1	454.7	460.8	462.3	465.4
62.5°	404.0	404.0	402.4	397.8	397.8	402.4	404.0	410.1	413.2	413.2	417.8
65°	354.8	353.3	351.7	353.3	354.8	354.8	359.4	362.5	365.6	367.1	368.6
67.5°	305.7	304.1	307.2	305.7	308.7	314.9	313.3	318.0	322.6	322.6	324.1
70°	259.6	262.7	261.1	264.2	262.7	265.7	270.3	271.9	271.9	273.4	278.0
72.5°	216.6	216.6	216.6	215.0	216.6	219.7	222.7	224.3	227.3	228.9	233.5
75°	175.1	175.1	172.0	175.1	175.1	178.2	181.3	181.3	181.3	184.3	188.9
77.5°	132.1	133.6	132.1	135.2	135.2	136.7	139.8	138.2	141.3	142.9	144.4
80°	96.8	95.2	95.2	95.2	96.8	96.8	99.8	101.4	101.4	106.0	102.9
82.5°	61.4	63.0	61.4	63.0	63.0	64.5	63.0	64.5	66.0	69.1	67.6
85°	35.3	33.8	33.8	35.3	33.8	33.8	35.3	33.8	35.3	33.8	35.3
87.5°	13.8	12.3	12.3	12.3	12.3	10.8	10.8	9.2	9.2	9.2	7.7
90°	9.7	10.8	11.6	13.2	14.9	16.5	18.1	19.1	20.1	21.1	22.1
92.5°	19.4	19.0	19.3	19.9	20.5	21.1	21.7	22.1	22.5	22.9	23.3
95°	32.2	28.9	29.6	31.0	32.5	33.9	35.3	36.3	37.3	38.3	39.3
97.5°	39.8	31.6	33.2	36.4	39.7	42.9	46.1	46.7	47.3	47.9	48.5
100°	50.0	36.2	37.9	41.3	44.7	48.1	51.5	53.1	54.7	56.4	58.0
102.5°	218.1	217.9	199.6	163.0	126.5	89.9	53.3	55.5	57.7	60.0	62.2
105°	299.0	302.0	274.6	219.7	164.8	110.0	55.1	57.3	59.5	61.8	64.0
107.5°	359.1	361.6	327.8	260.1	192.4	124.7	57.0	59.2	61.4	63.6	65.8
110°	417.4	419.5	390.5	332.4	274.3	216.3	158.2	138.1	118.0	97.9	77.8

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CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	472.8	474.6	472.9	469.5	466.1	462.7	459.3	372.7	286.1	199.5	112.9
115°	533.5	535.2	537.7	542.7	547.8	552.8	557.8	464.8	371.8	278.7	185.7
117.5°	589.2	591.2	592.9	596.3	599.8	603.2	606.6	577.9	549.1	520.4	491.7
120°	644.9	646.4	648.2	651.8	655.5	659.1	662.7	665.1	667.5	669.9	672.3
122.5°	696.3	697.9	699.9	703.9	708.0	712.0	716.0	717.2	718.4	719.6	720.8
125°	745.4	746.7	748.6	752.4	756.3	760.1	763.9	765.3	766.7	768.2	769.6
127.5°	793.3	794.7	796.2	799.2	802.2	805.2	808.2	810.2	812.2	814.3	816.3
130°	839.2	840.8	841.9	844.1	846.3	848.5	850.7	852.9	855.1	857.4	859.6
132.5°	882.0	883.3	884.4	886.6	888.8	891.0	893.2	895.0	896.8	898.6	900.4
135°	922.3	923.9	924.8	926.6	928.5	930.3	932.1	934.1	936.1	938.1	940.1
137.5°	958.9	960.1	961.1	963.1	965.1	967.1	969.1	971.1	973.1	975.2	977.2
140°	994.6	995.4	996.5	998.7	1000.9	1003.1	1005.3	1007.1	1008.9	1010.7	1012.5
142.5°	1026.3	1027.0	1028.3	1030.9	1033.6	1036.2	1038.8	1040.4	1042.0	1043.6	1045.2
145°	1054.2	1054.1	1055.8	1059.2	1062.7	1066.1	1069.5	1070.9	1072.3	1073.7	1075.1
147.5°	1082.5	1082.2	1083.9	1087.3	1090.7	1094.1	1097.5	1098.5	1099.5	1100.5	1101.5
150°	1108.2	1107.5	1109.1	1112.3	1115.5	1118.7	1121.9	1123.1	1124.3	1125.6	1126.8
152.5°	1131.8	1131.0	1132.5	1135.5	1138.5	1141.5	1144.5	1145.7	1146.9	1148.2	1149.4
155°	1154.5	1153.6	1154.8	1157.2	1159.6	1162.0	1164.4	1165.6	1166.8	1168.0	1169.2
157.5°	1174.3	1173.5	1174.4	1176.2	1178.0	1179.8	1181.6	1183.0	1184.4	1185.8	1187.2
160°	1192.1	1191.5	1192.1	1193.3	1194.6	1195.8	1197.0	1198.2	1199.4	1200.6	1201.8
162.5°	1206.6	1206.0	1206.5	1207.5	1208.5	1209.5	1210.5	1211.9	1213.3	1214.8	1216.2
165°	1219.3	1218.7	1219.0	1219.6	1220.2	1220.8	1221.4	1222.8	1224.2	1225.6	1227.0
167.5°	1229.2	1228.6	1228.9	1229.5	1230.1	1230.7	1231.3	1232.7	1234.1	1235.5	1236.9
170°	1237.3	1236.7	1236.9	1237.3	1237.8	1238.2	1238.6	1240.0	1241.4	1242.8	1244.2
172.5°	1242.8	1242.2	1242.4	1242.8	1243.2	1243.6	1244.0	1245.4	1246.8	1248.2	1249.6
175°	1246.5	1245.8	1246.0	1246.4	1246.8	1247.2	1247.6	1249.0	1250.4	1251.8	1253.2
177.5°	1248.3	1247.6	1247.7	1247.9	1248.1	1248.3	1248.5	1249.9	1251.3	1252.7	1254.1
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1904.7	1909.3	1898.5	1895.5	1898.5	1887.8	1890.8	1893.9	1893.9	1898.5	1901.6
5°	1794.1	1787.9	1777.2	1774.1	1771.0	1775.6	1772.6	1777.2	1778.7	1789.5	1791.0
7.5°	1685.0	1675.8	1666.6	1657.4	1654.3	1646.6	1654.3	1654.3	1665.0	1662.0	1669.7
10°	1556.0	1554.5	1542.2	1537.6	1531.4	1519.1	1536.0	1531.4	1539.1	1552.9	1556.0
12.5°	1460.8	1443.9	1451.5	1430.0	1437.7	1425.4	1427.0	1427.0	1439.3	1440.8	1437.7
15°	1370.1	1356.3	1336.3	1327.1	1322.5	1316.4	1336.3	1337.9	1328.7	1350.2	1342.5
17.5°	1278.0	1278.0	1259.5	1254.9	1242.6	1248.8	1245.7	1247.2	1244.2	1259.5	1267.2
20°	1198.1	1190.4	1184.3	1185.8	1170.4	1167.4	1164.3	1167.4	1178.1	1188.9	1192.0
22.5°	1133.6	1129.0	1113.6	1116.7	1104.4	1109.0	1105.9	1113.6	1115.2	1115.2	1125.9
25°	1072.1	1066.0	1067.5	1061.4	1056.8	1056.8	1052.2	1056.8	1062.9	1066.0	1067.5
27.5°	1026.1	1021.5	1013.8	1009.2	1012.2	1004.6	1010.7	1015.3	1015.3	1012.2	1015.3
30°	970.8	973.8	973.8	958.5	964.6	961.5	966.2	969.2	969.2	970.8	967.7
32.5°	933.9	924.7	923.1	921.6	921.6	915.5	915.5	920.1	921.6	923.1	927.8
35°	884.7	884.7	877.1	881.7	875.5	877.1	875.5	877.1	880.1	875.5	880.1
37.5°	840.2	841.7	838.7	841.7	843.3	840.2	837.1	843.3	840.2	840.2	837.1
40°	801.8	800.3	801.8	801.8	801.8	803.3	800.3	800.3	800.3	797.2	794.1
42.5°	769.5	760.3	763.4	764.9	760.3	760.3	761.9	760.3	764.9	755.7	755.7
45°	723.5	720.4	721.9	721.9	725.0	720.4	723.5	725.0	720.4	718.9	715.8
47.5°	682.0	685.1	682.0	685.1	685.1	688.1	682.0	683.5	685.1	678.9	674.3
50°	640.5	640.5	645.1	643.6	645.1	642.1	642.1	640.5	642.1	639.0	634.4
52.5°	602.1	597.5	605.2	603.7	602.1	600.6	599.0	600.6	597.5	594.4	594.4
55°	554.5	554.5	559.1	560.6	560.6	557.6	554.5	556.0	554.5	553.0	551.4
57.5°	516.1	510.0	513.0	514.6	514.6	510.0	513.0	510.0	510.0	511.5	506.9
60°	467.0	467.0	463.9	468.5	468.5	465.4	465.4	467.0	463.9	462.3	460.8
62.5°	414.7	416.3	420.9	422.4	423.9	420.9	417.8	419.3	419.3	414.7	416.3
65°	370.2	373.3	379.4	377.9	374.8	376.3	373.3	374.8	370.2	371.7	367.1
67.5°	327.2	325.6	327.2	327.2	330.2	328.7	325.6	325.6	324.1	328.7	324.1
70°	281.1	281.1	281.1	281.1	282.6	284.2	281.1	278.0	279.6	276.5	274.9
72.5°	233.5	235.0	233.5	236.5	231.9	235.0	235.0	233.5	231.9	231.9	231.9
75°	188.9	192.0	187.4	188.9	187.4	190.5	188.9	188.9	185.9	184.3	185.9
77.5°	144.4	145.9	142.9	144.4	142.9	144.4	144.4	142.9	142.9	142.9	142.9
80°	102.9	104.4	102.9	101.4	99.8	102.9	99.8	101.4	102.9	101.4	104.4
82.5°	66.0	66.0	64.5	66.0	63.0	63.0	64.5	64.5	63.0	66.0	63.0
85°	32.3	32.3	35.3	32.3	30.7	30.7	30.7	32.3	30.7	33.8	32.3
87.5°	7.7	6.1	7.7	7.7	6.1	6.1	7.7	6.1	7.7	9.2	6.1
90°	22.6	22.8	23.2	23.6	24.0	24.4	24.0	23.6	23.2	22.8	22.6
92.5°	23.5	23.6	23.8	24.0	24.2	24.4	24.2	24.0	23.8	23.6	23.5
95°	39.8	39.7	39.5	39.3	39.1	38.9	39.1	39.3	39.5	39.7	39.8
97.5°	48.8	48.9	49.1	49.3	49.5	49.7	49.5	49.3	49.1	48.9	48.8
100°	58.8	59.0	59.4	59.8	60.2	60.6	60.2	59.8	59.4	59.0	58.8
102.5°	63.3	63.6	64.2	64.8	65.4	66.0	65.4	64.8	64.2	63.6	63.3
105°	65.1	65.5	66.3	67.1	67.9	68.7	67.9	67.1	66.3	65.5	65.1
107.5°	66.9	67.3	68.1	68.9	69.7	70.5	69.7	68.9	68.1	67.3	66.9
110°	67.8	68.2	69.0	69.8	70.6	71.4	70.6	69.8	69.0	68.2	67.8

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	69.6	69.9	70.5	71.1	71.7	72.3	71.7	71.1	70.5	69.9	69.6
115°	139.2	132.0	117.5	103.0	88.6	74.1	88.6	103.0	117.5	132.0	139.2
117.5°	477.3	451.0	398.4	345.7	293.1	240.5	293.1	345.7	398.4	451.0	477.3
120°	673.5	659.9	632.8	605.7	578.6	551.5	578.6	605.7	632.8	659.9	673.5
122.5°	721.4	721.5	721.7	721.9	722.1	722.3	722.1	721.9	721.7	721.5	721.4
125°	770.3	770.6	771.2	771.8	772.4	773.0	772.4	771.8	771.2	770.6	770.3
127.5°	817.3	817.4	817.6	817.8	818.0	818.2	818.0	817.8	817.6	817.4	817.3
130°	860.7	860.6	860.4	860.2	860.0	859.8	860.0	860.2	860.4	860.6	860.7
132.5°	901.3	901.2	901.0	900.8	900.6	900.4	900.6	900.8	901.0	901.2	901.3
135°	941.1	940.9	940.5	940.1	939.7	939.3	939.7	940.1	940.5	940.9	941.1
137.5°	978.2	977.9	977.3	976.7	976.1	975.5	976.1	976.7	977.3	977.9	978.2
140°	1013.4	1012.9	1011.9	1010.9	1009.9	1008.9	1009.9	1010.9	1011.9	1012.9	1013.4
142.5°	1046.0	1045.5	1044.5	1043.5	1042.5	1041.5	1042.5	1043.5	1044.5	1045.5	1046.0
145°	1075.8	1075.3	1074.3	1073.3	1072.3	1071.3	1072.3	1073.3	1074.3	1075.3	1075.8
147.5°	1102.0	1101.6	1100.8	1100.0	1099.2	1098.4	1099.2	1100.0	1100.8	1101.6	1102.0
150°	1127.4	1126.9	1125.9	1124.8	1123.8	1122.8	1123.8	1124.8	1125.9	1126.9	1127.4
152.5°	1150.0	1149.3	1147.9	1146.4	1145.0	1143.6	1145.0	1146.4	1147.9	1149.3	1150.0
155°	1169.8	1169.0	1167.4	1165.8	1164.2	1162.6	1164.2	1165.8	1167.4	1169.0	1169.8
157.5°	1187.9	1187.1	1185.5	1183.9	1182.3	1180.7	1182.3	1183.9	1185.5	1187.1	1187.9
160°	1202.4	1201.7	1200.3	1198.9	1197.5	1196.1	1197.5	1198.9	1200.3	1201.7	1202.4
162.5°	1216.9	1216.0	1214.2	1212.3	1210.5	1208.7	1210.5	1212.3	1214.2	1216.0	1216.9
165°	1227.7	1227.0	1225.6	1224.2	1222.8	1221.4	1222.8	1224.2	1225.6	1227.0	1227.7
167.5°	1237.6	1236.7	1234.9	1233.1	1231.3	1229.5	1231.3	1233.1	1234.9	1236.7	1237.6
170°	1244.9	1244.0	1242.2	1240.3	1238.5	1236.7	1238.5	1240.3	1242.2	1244.0	1244.9
172.5°	1250.3	1249.4	1247.6	1245.8	1244.0	1242.2	1244.0	1245.8	1247.6	1249.4	1250.3
175°	1253.9	1252.9	1250.9	1248.9	1246.9	1244.9	1246.9	1248.9	1250.9	1252.9	1253.9
177.5°	1254.8	1253.9	1252.1	1250.3	1248.5	1246.7	1248.5	1250.3	1252.1	1253.9	1254.8
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1897.0	1909.3	1904.7	1887.8	1907.7	1907.7	1921.6	1921.6	1938.5	1944.6	1953.8
5°	1789.5	1798.7	1806.4	1798.7	1812.5	1834.0	1846.3	1857.1	1880.1	1889.3	1903.1
7.5°	1674.3	1691.2	1698.8	1698.8	1721.9	1746.5	1771.0	1786.4	1818.6	1830.9	1844.8
10°	1562.1	1582.1	1597.5	1595.9	1634.3	1649.7	1680.4	1715.7	1748.0	1766.4	1786.4
12.5°	1443.9	1454.6	1476.1	1506.8	1516.1	1543.7	1579.0	1623.6	1681.9	1698.8	1728.0
15°	1345.6	1374.7	1391.6	1405.5	1427.0	1453.1	1491.5	1534.5	1592.9	1629.7	1660.4
17.5°	1262.6	1301.0	1311.8	1308.7	1336.3	1376.3	1420.8	1453.1	1505.3	1549.8	1579.0
20°	1195.0	1210.4	1228.8	1236.5	1258.0	1301.0	1344.0	1380.9	1423.9	1459.2	1493.0
22.5°	1127.4	1139.7	1155.1	1168.9	1185.8	1210.4	1251.9	1297.9	1339.4	1373.2	1411.6
25°	1072.1	1079.8	1093.6	1104.4	1122.8	1139.7	1168.9	1219.6	1268.8	1288.7	1322.5
27.5°	1018.4	1024.5	1033.7	1046.0	1055.2	1072.1	1098.3	1139.7	1190.4	1210.4	1256.5
30°	970.8	975.4	984.6	990.7	995.3	1015.3	1035.3	1067.5	1105.9	1133.6	1167.4
32.5°	926.2	930.8	940.0	941.6	947.7	958.5	976.9	1006.1	1039.9	1062.9	1092.1
35°	877.1	880.1	889.4	892.4	897.0	906.3	920.1	941.6	972.3	989.2	1015.3
37.5°	838.7	837.1	843.3	847.9	854.0	858.6	863.2	884.7	907.8	923.1	943.1
40°	797.2	794.1	795.7	801.8	804.9	811.0	811.0	832.5	847.9	860.2	875.5
42.5°	755.7	754.2	751.1	754.2	757.3	758.8	760.3	775.7	791.1	801.8	818.7
45°	714.3	712.7	709.6	711.2	711.2	714.3	718.9	725.0	735.8	745.0	754.2
47.5°	675.8	672.8	668.2	666.6	669.7	669.7	669.7	675.8	686.6	689.7	698.9
50°	635.9	631.3	625.2	622.1	622.1	620.6	623.6	625.2	634.4	637.4	645.1
52.5°	592.9	589.8	583.7	577.5	579.1	576.0	577.5	579.1	582.2	586.8	591.4
55°	549.9	543.8	539.1	537.6	533.0	533.0	528.4	534.5	533.0	534.5	540.7
57.5°	508.4	502.3	494.6	491.5	486.9	485.4	482.3	480.8	482.3	486.9	491.5
60°	459.3	456.2	451.6	447.0	443.9	439.3	436.2	436.2	434.7	434.7	436.2
62.5°	411.7	410.1	404.0	402.4	399.4	396.3	391.7	388.6	388.6	391.7	393.2
65°	365.6	364.0	359.4	357.9	350.2	347.1	345.6	344.1	341.0	341.0	341.0
67.5°	322.6	318.0	318.0	310.3	304.1	301.1	298.0	296.5	296.5	296.5	298.0
70°	274.9	274.9	270.3	265.7	259.6	261.1	256.5	251.9	251.9	248.8	250.4
72.5°	228.9	227.3	222.7	221.2	216.6	212.0	208.9	212.0	207.4	205.8	207.4
75°	184.3	182.8	179.7	176.6	178.2	173.6	169.0	167.4	167.4	164.4	164.4
77.5°	141.3	144.4	138.2	136.7	133.6	130.6	129.0	127.5	127.5	127.5	130.6
80°	98.3	99.8	99.8	96.8	98.3	93.7	93.7	93.7	89.1	90.6	92.2
82.5°	63.0	63.0	61.4	63.0	61.4	61.4	59.9	59.9	58.4	58.4	59.9
85°	35.3	33.8	32.3	35.3	33.8	33.8	32.3	32.3	32.3	32.3	32.3
87.5°	7.7	9.2	9.2	9.2	9.2	10.8	10.8	10.8	12.3	12.3	12.3
90°	22.1	21.1	20.1	19.1	18.1	16.5	14.9	13.2	11.6	10.8	9.7
92.5°	23.3	22.9	22.5	22.1	21.7	21.1	20.5	19.9	19.3	19.0	19.4
95°	39.3	38.3	37.3	36.3	35.3	33.9	32.5	31.0	29.6	28.9	32.2
97.5°	48.5	47.9	47.3	46.7	46.1	42.9	39.7	36.4	33.2	31.6	39.8
100°	58.0	56.4	54.7	53.1	51.5	48.1	44.7	41.3	37.9	36.2	50.0
102.5°	62.2	60.0	57.7	55.5	53.3	89.9	126.5	163.0	199.6	217.9	218.1
105°	64.0	61.8	59.5	57.3	55.1	110.0	164.8	219.7	274.6	302.0	299.0
107.5°	65.8	63.6	61.4	59.2	57.0	124.7	192.4	260.1	327.8	361.6	359.1
110°	77.8	97.9	118.0	138.1	158.2	216.3	274.3	332.4	390.5	419.5	417.4

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	112.9	199.5	286.1	372.7	459.3	462.7	466.1	469.5	472.9	474.6	472.8
115°	185.7	278.7	371.8	464.8	557.8	552.8	547.8	542.7	537.7	535.2	533.5
117.5°	491.7	520.4	549.1	577.9	606.6	603.2	599.8	596.3	592.9	591.2	589.2
120°	672.3	669.9	667.5	665.1	662.7	659.1	655.5	651.8	648.2	646.4	644.9
122.5°	720.8	719.6	718.4	717.2	716.0	712.0	708.0	703.9	699.9	697.9	696.3
125°	769.6	768.2	766.7	765.3	763.9	760.1	756.3	752.4	748.6	746.7	745.4
127.5°	816.3	814.3	812.2	810.2	808.2	805.2	802.2	799.2	796.2	794.7	793.3
130°	859.6	857.4	855.1	852.9	850.7	848.5	846.3	844.1	841.9	840.8	839.2
132.5°	900.4	898.6	896.8	895.0	893.2	891.0	888.8	886.6	884.4	883.3	882.0
135°	940.1	938.1	936.1	934.1	932.1	930.3	928.5	926.6	924.8	923.9	922.3
137.5°	977.2	975.2	973.1	971.1	969.1	967.1	965.1	963.1	961.1	960.1	958.9
140°	1012.5	1010.7	1008.9	1007.1	1005.3	1003.1	1000.9	998.7	996.5	995.4	994.6
142.5°	1045.2	1043.6	1042.0	1040.4	1038.8	1036.2	1033.6	1030.9	1028.3	1027.0	1026.3
145°	1075.1	1073.7	1072.3	1070.9	1069.5	1066.1	1062.7	1059.2	1055.8	1054.1	1054.2
147.5°	1101.5	1100.5	1099.5	1098.5	1097.5	1094.1	1090.7	1087.3	1083.9	1082.2	1082.5
150°	1126.8	1125.6	1124.3	1123.1	1121.9	1118.7	1115.5	1112.3	1109.1	1107.5	1108.2
152.5°	1149.4	1148.2	1146.9	1145.7	1144.5	1141.5	1138.5	1135.5	1132.5	1131.0	1131.8
155°	1169.2	1168.0	1166.8	1165.6	1164.4	1162.0	1159.6	1157.2	1154.8	1153.6	1154.5
157.5°	1187.2	1185.8	1184.4	1183.0	1181.6	1179.8	1178.0	1176.2	1174.4	1173.5	1174.3
160°	1201.8	1200.6	1199.4	1198.2	1197.0	1195.8	1194.6	1193.3	1192.1	1191.5	1192.1
162.5°	1216.2	1214.8	1213.3	1211.9	1210.5	1209.5	1208.5	1207.5	1206.5	1206.0	1206.6
165°	1227.0	1225.6	1224.2	1222.8	1221.4	1220.8	1220.2	1219.6	1219.0	1218.7	1219.3
167.5°	1236.9	1235.5	1234.1	1232.7	1231.3	1230.7	1230.1	1229.5	1228.9	1228.6	1229.2
170°	1244.2	1242.8	1241.4	1240.0	1238.6	1238.2	1237.8	1237.3	1236.9	1236.7	1237.3
172.5°	1249.6	1248.2	1246.8	1245.4	1244.0	1243.6	1243.2	1242.8	1242.4	1242.2	1242.8
175°	1253.2	1251.8	1250.4	1249.0	1247.6	1247.2	1246.8	1246.4	1246.0	1245.8	1246.5
177.5°	1254.1	1252.7	1251.3	1249.9	1248.5	1248.3	1248.1	1247.9	1247.7	1247.6	1248.3
180°	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1998.4	1998.4	1998.4	1998.4
2.5°	1961.5	1961.5	1984.5	2009.1
5°	1918.5	1929.2	1966.1	1999.9
7.5°	1877.0	1895.5	1941.5	1984.5
10°	1826.3	1850.9	1907.7	1958.4
12.5°	1777.2	1800.2	1866.3	1923.1
15°	1708.1	1737.2	1807.9	1878.6
17.5°	1638.9	1668.1	1754.1	1837.1
20°	1557.5	1595.9	1692.7	1803.3
22.5°	1482.3	1529.9	1637.4	1726.5
25°	1399.3	1473.0	1572.9	1688.1
27.5°	1325.6	1399.3	1500.7	1617.4
30°	1242.6	1317.9	1422.4	1529.9
32.5°	1162.8	1231.9	1333.3	1465.4
35°	1079.8	1145.9	1244.2	1377.8
37.5°	1004.6	1069.1	1176.6	1299.5
40°	930.8	998.4	1090.6	1213.5
42.5°	861.7	921.6	1004.6	1127.4
45°	798.7	841.7	918.5	1033.7
47.5°	732.7	771.1	841.7	956.9
50°	671.2	703.5	764.9	872.5
52.5°	611.3	639.0	695.8	781.8
55°	557.6	583.7	625.2	709.6
57.5°	502.3	522.2	562.2	629.8
60°	448.5	467.0	499.2	554.5
62.5°	394.8	410.1	440.8	485.4
65°	347.1	359.4	382.5	420.9
67.5°	301.1	308.7	327.2	357.9
70°	256.5	262.7	278.0	302.6
72.5°	208.9	215.0	231.9	248.8
75°	169.0	170.5	182.8	196.6
77.5°	132.1	130.6	139.8	150.5
80°	90.6	95.2	102.9	107.5
82.5°	61.4	63.0	66.0	69.1
85°	33.8	35.3	35.3	39.9
87.5°	13.8	15.4	15.4	16.9
90°	7.5	5.3	3.1	0.9
92.5°	20.2	21.0	21.8	22.6
95°	38.9	45.5	52.2	58.8
97.5°	56.3	72.8	89.3	105.8
100°	77.5	105.0	132.5	160.0
102.5°	218.5	218.9	219.3	219.7
105°	292.9	286.9	280.8	274.8
107.5°	354.1	349.0	344.0	339.0
110°	413.2	408.9	404.7	400.5



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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	469.2	465.6	462.0	458.4
115°	530.1	526.6	523.2	519.8
117.5°	585.2	581.2	577.2	573.2
120°	641.9	638.8	635.8	632.8
122.5°	693.1	689.9	686.7	683.5
125°	742.8	740.2	737.6	735.0
127.5°	790.5	787.6	784.8	782.0
130°	836.0	832.7	829.5	826.3
132.5°	879.4	876.7	874.1	871.5
135°	919.1	915.9	912.7	909.5
137.5°	956.5	954.1	951.7	949.3
140°	993.0	991.3	989.7	988.1
142.5°	1024.9	1023.5	1022.1	1020.7
145°	1054.4	1054.6	1054.8	1055.0
147.5°	1083.1	1083.7	1084.3	1084.9
150°	1109.6	1111.0	1112.4	1113.8
152.5°	1133.4	1135.0	1136.6	1138.2
155°	1156.3	1158.1	1159.9	1161.7
157.5°	1175.9	1177.5	1179.1	1180.7
160°	1193.3	1194.6	1195.8	1197.0
162.5°	1207.8	1209.0	1210.2	1211.4
165°	1220.5	1221.7	1222.9	1224.1
167.5°	1230.4	1231.6	1232.8	1234.0
170°	1238.5	1239.8	1241.0	1242.2
172.5°	1244.0	1245.2	1246.4	1247.6
175°	1247.9	1249.3	1250.7	1252.1
177.5°	1249.7	1251.1	1252.5	1253.9
180°	1249.4	1249.4	1249.4	1249.4

TEST NUMBER: P998031

CATALOG NUMBER: SA2XXDIP-B1005D925UB2750-4F0-XX-W2A-A_3000K

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	18.27	19.14	19.19	20.07	21.28	15.76	16.63	16.68	17.57	18.77
	3H	19.08	19.86	20.02	20.80	22.03	17.11	17.88	18.04	18.83	20.06
	4H	19.25	19.98	20.20	20.93	22.17	17.57	18.30	18.52	19.25	20.49
	6H	19.29	19.97	20.26	20.93	22.18	17.88	18.55	18.84	19.51	20.76
	8H	19.27	19.92	20.24	20.89	22.14	17.96	18.60	18.93	19.58	20.83
	12H	19.24	19.85	20.21	20.81	22.09	18.00	18.61	18.98	19.58	20.85
4H	2H	18.31	19.04	19.27	19.99	21.23	16.21	16.94	17.16	17.89	19.13
	3H	19.29	19.90	20.26	20.88	22.14	17.67	18.28	18.63	19.26	20.51
	4H	19.57	20.12	20.54	21.10	22.38	18.20	18.76	19.18	19.74	21.01
	6H	19.70	20.18	20.69	21.18	22.45	18.58	19.06	19.57	20.06	21.34
	8H	19.70	20.14	20.69	21.14	22.43	18.70	19.14	19.68	20.13	21.42
	12H	19.66	20.06	20.67	21.07	22.37	18.75	19.15	19.76	20.16	21.46
8H	4H	19.58	20.02	20.57	21.02	22.31	18.35	18.79	19.34	19.79	21.08
	6H	19.76	20.13	20.77	21.16	22.45	18.78	19.15	19.80	20.18	21.47
	8H	19.79	20.11	20.81	21.13	22.44	18.93	19.26	19.95	20.28	21.59
	12H	19.77	20.06	20.80	21.07	22.42	19.03	19.31	20.05	20.32	21.68
12H	4H	19.54	19.94	20.54	20.95	22.24	18.32	18.72	19.33	19.73	21.03
	6H	19.74	20.06	20.76	21.08	22.39	18.78	19.11	19.80	20.13	21.44
	8H	19.77	20.05	20.79	21.07	22.42	18.94	19.23	19.96	20.24	21.59