

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: P1010743

Luminaire Tested: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1010743
REPORT IS A COMBINATION OF REPORTS P990412 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K
Description: Define 3 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

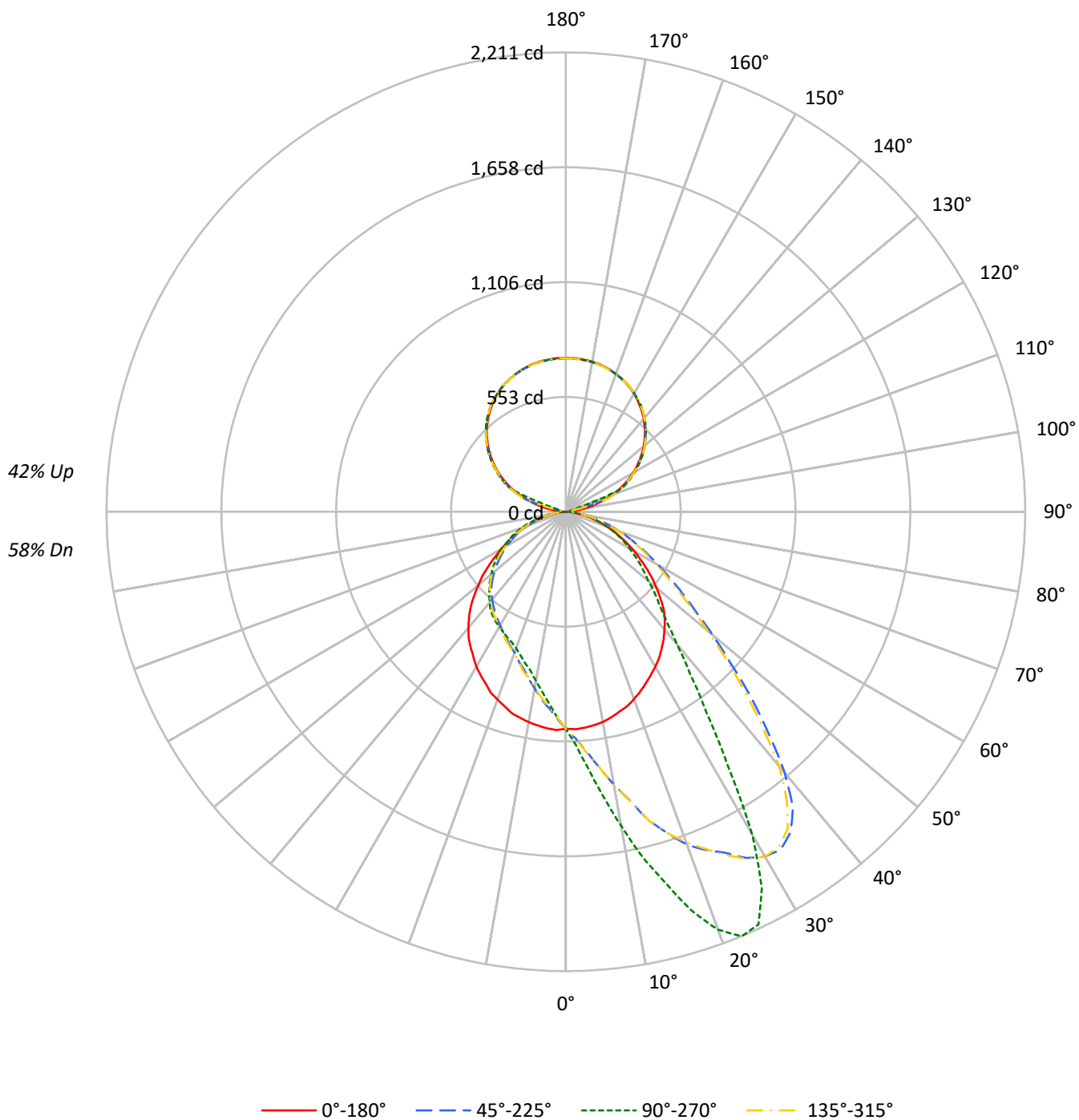
Lumens per Lamp: N/A
Luminaire Lumens: 5408.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 51.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64
1	100	96	92	88	93	89	86	83	78	75	73	67	65	63	57	56	55
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46
3	83	74	67	61	78	69	63	58	61	56	52	52	49	46	45	42	40
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	40	37	34
5	70	59	51	45	65	55	48	42	48	43	38	42	38	34	36	33	30
6	65	53	45	39	60	50	42	37	44	38	34	38	34	30	33	29	27
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11241	11241	11241	11241
5°	11248	12953	11282	9666
10°	11177	15673	11189	8442
15°	11023	18588	11113	7598
20°	10889	21401	10913	6992
25°	10693	21940	10716	6675
30°	10552	18127	10552	6468
35°	10377	12123	10311	6284
40°	10166	8751	10041	6004
45°	9904	6932	9619	5655
50°	9264	5887	8936	5313
55°	8563	5173	8215	4931
60°	7851	4504	7435	4530
65°	7071	3856	6728	3995
70°	6258	3201	5840	3369
75°	5352	2414	5006	2599
80°	4229	1612	3898	1709
85°	2920	740	2334	674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18129 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	1.9
10°-20°	329.9	6.1
20°-30°	555.1	10.3
30°-40°	627.3	11.6
40°-50°	561.8	10.4
50°-60°	453.5	8.4
60°-70°	316.0	5.8
70°-80°	165.9	3.1
80°-90°	41.2	0.8
90°-100°	26.1	0.5
100°-110°	126.1	2.3
110°-120°	309.0	5.7
120°-130°	392.2	7.3
130°-140°	419.0	7.7
140°-150°	391.8	7.2
150°-160°	316.0	5.8
160°-170°	204.0	3.8
170°-180°	70.3	1.3
0°-30°	987.7	18.3
0°-40°	1615.0	29.9
0°-60°	2630.3	48.6
0°-90°	3153.5	58.3
90°-120°	461.2	8.5
90°-150°	1664.2	30.8
90°-180°	2255.0	41.7
0°-180°	5408.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1044	1044	1044	1044	1044	
5°	1043	1241	1046	926	1043	99
15°	996	1847	1004	755	996	281
25°	911	2192	913	667	911	420
35°	804	1181	798	612	804	503
45°	667	638	648	520	667	510
55°	473	433	453	413	473	423
65°	292	281	278	291	292	291
75°	141	145	132	156	141	151
85°	30	33	24	30	30	35
90°	0	16	0	16	0	4
95°	34	21	34	21	34	40
105°	164	24	164	24	164	174
115°	307	323	307	323	307	303
125°	433	442	433	442	433	387
135°	539	544	539	544	539	415
145°	622	628	622	628	622	389
155°	685	684	685	684	685	316
165°	722	721	722	721	722	204
175°	740	737	740	737	740	70
180°	740	740	740	740	740	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1047.4	1055.5	1059.5	1065.6	1071.7	1080.8	1083.8	1088.9	1086.8	1090.9	1092.9
5°	1043.3	1057.5	1069.6	1084.8	1099.0	1109.1	1119.2	1135.4	1147.6	1149.6	1158.7
7.5°	1036.2	1056.5	1077.7	1099.0	1126.3	1142.5	1160.7	1183.0	1201.2	1230.5	1241.7
10°	1027.1	1055.5	1085.8	1115.2	1152.6	1177.9	1200.2	1237.6	1275.1	1305.4	1333.8
12.5°	1013.0	1048.4	1087.9	1131.4	1179.9	1209.3	1239.7	1289.2	1345.9	1392.5	1422.8
15°	995.8	1040.3	1090.9	1137.4	1191.1	1245.7	1278.1	1333.8	1414.7	1458.2	1536.2
17.5°	981.6	1027.1	1077.7	1150.6	1223.5	1278.1	1301.4	1403.6	1459.2	1532.1	1620.2
20°	959.3	1017.0	1081.8	1154.6	1248.8	1282.2	1329.7	1432.9	1501.8	1596.9	1705.2
22.5°	936.1	997.8	1075.7	1151.6	1256.9	1292.3	1357.0	1439.0	1548.3	1642.4	1761.8
25°	910.8	977.6	1056.5	1146.6	1249.8	1301.4	1362.1	1463.3	1581.7	1700.1	1810.4
27.5°	885.5	958.3	1040.3	1130.4	1230.5	1291.3	1352.0	1457.2	1609.0	1737.5	1878.2
30°	861.2	934.0	1016.0	1108.1	1213.3	1272.0	1329.7	1461.3	1630.3	1775.0	1916.7
32.5°	834.9	909.8	995.8	1072.7	1178.9	1241.7	1306.4	1461.3	1643.4	1797.2	1926.8
35°	803.5	880.4	954.3	1031.2	1136.4	1206.3	1279.1	1451.2	1655.6	1804.3	1884.3
37.5°	773.1	840.9	904.7	979.6	1089.9	1164.8	1248.8	1439.0	1649.5	1774.0	1796.2
40°	738.7	806.5	858.1	928.0	1044.3	1131.4	1216.4	1422.8	1623.2	1702.1	1637.4
42.5°	705.3	759.0	803.5	871.3	997.8	1082.8	1174.9	1393.5	1571.6	1587.8	1442.0
45°	666.9	705.3	744.8	821.7	947.2	1034.2	1136.4	1351.0	1488.6	1442.0	1257.9
47.5°	617.3	651.7	695.2	766.1	893.6	983.6	1080.8	1296.3	1368.2	1271.0	1069.6
50°	569.7	599.1	639.6	708.4	836.9	924.9	1028.2	1210.3	1245.7	1092.9	921.9
52.5°	522.2	544.4	583.9	652.7	781.2	866.2	960.4	1122.3	1102.0	938.1	786.3
55°	472.6	491.8	529.3	597.1	716.5	797.4	887.5	1014.0	961.4	805.5	684.1
57.5°	424.0	444.3	482.7	539.4	651.7	730.6	802.5	901.7	822.7	698.3	591.0
60°	380.5	397.7	427.0	482.7	584.9	648.7	714.4	782.2	716.5	596.0	514.1
62.5°	335.0	351.2	378.5	429.1	517.1	573.8	626.4	682.1	609.2	521.2	448.3
65°	292.5	305.6	330.9	377.5	449.3	495.9	538.4	576.8	518.1	437.2	382.5
67.5°	254.0	265.1	286.4	327.9	388.6	422.0	456.4	488.8	439.2	374.4	327.9
70°	212.5	221.6	240.8	271.2	319.8	354.2	379.5	403.8	359.2	307.6	276.3
72.5°	176.1	185.2	197.3	228.7	262.1	283.3	310.7	323.8	298.5	256.0	224.7
75°	140.7	147.7	158.9	179.1	210.5	224.7	241.9	252.0	228.7	200.4	181.1
77.5°	110.3	113.3	121.4	135.6	156.9	173.0	186.2	192.3	176.1	157.9	141.7
80°	77.9	82.0	88.0	100.2	116.4	121.4	129.5	136.6	126.5	110.3	100.2
82.5°	51.6	56.7	59.7	64.8	74.9	81.0	83.0	89.1	79.9	73.9	69.8
85°	30.4	32.4	33.4	36.4	41.5	44.5	47.6	48.6	46.6	45.5	41.5
87.5°	15.2	15.2	15.2	17.2	18.2	20.2	21.3	21.3	21.3	20.2	19.2
90°	0.5	1.7	2.9	4.2	5.4	6.0	6.8	8.4	10.0	11.6	13.2
92.5°	12.6	11.9	11.1	10.4	9.7	9.3	9.9	11.0	12.1	13.2	14.3
95°	33.5	28.5	23.5	18.5	13.5	11.0	11.7	13.0	14.3	15.7	17.0
97.5°	61.0	57.6	54.2	50.7	47.3	45.6	42.5	36.3	30.0	23.8	17.6
100°	92.9	95.3	97.7	100.2	102.6	103.8	94.3	75.2	56.2	37.1	18.1
102.5°	129.1	130.7	132.3	133.9	135.5	136.3	125.7	104.4	83.2	61.9	40.7
105°	163.7	165.1	166.4	167.8	169.1	169.8	164.3	153.3	142.3	131.3	120.3
107.5°	200.5	201.6	202.7	203.8	204.9	205.5	206.4	208.2	210.1	211.9	213.7
110°	237.4	238.4	239.3	240.3	241.2	241.7	242.4	243.7	245.1	246.4	247.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	272.5	273.4	274.2	275.1	276.0	276.4	277.1	278.4	279.7	281.1	282.4
115°	307.1	307.8	308.6	309.3	310.0	310.4	311.0	312.1	313.2	314.3	315.4
117.5°	341.2	342.0	342.9	343.7	344.6	345.0	345.3	345.9	346.6	347.2	347.8
120°	372.5	373.6	374.7	375.8	376.9	377.5	377.7	378.0	378.4	378.7	379.1
122.5°	404.4	405.2	406.1	406.9	407.8	408.2	408.4	408.9	409.4	409.9	410.4
125°	432.9	433.9	434.9	435.8	436.8	437.3	437.5	438.0	438.5	439.0	439.5
127.5°	461.5	462.5	463.5	464.4	465.4	465.9	466.2	466.8	467.5	468.1	468.7
130°	487.9	488.9	489.9	490.8	491.8	492.3	492.5	493.0	493.5	494.0	494.5
132.5°	513.2	514.2	515.2	516.1	517.1	517.6	517.8	518.1	518.5	518.8	519.2
135°	539.0	539.7	540.5	541.2	541.9	542.3	542.5	543.0	543.5	544.0	544.5
137.5°	561.0	562.0	563.0	563.9	564.9	565.4	565.5	565.8	566.0	566.3	566.5
140°	582.9	583.6	584.4	585.1	585.8	586.2	586.4	586.8	587.1	587.5	587.9
142.5°	603.3	604.0	604.8	605.5	606.2	606.6	606.8	607.1	607.5	607.8	608.2
145°	622.0	622.8	623.7	624.5	625.4	625.8	625.9	626.2	626.4	626.7	626.9
147.5°	640.1	640.7	641.3	641.9	642.5	642.8	642.9	643.2	643.4	643.7	643.9
150°	656.6	657.0	657.3	657.7	658.0	658.2	658.3	658.6	658.8	659.1	659.3
152.5°	671.4	671.5	671.7	671.8	671.9	672.0	672.1	672.2	672.3	672.4	672.5
155°	685.1	684.9	684.6	684.4	684.1	684.0	684.1	684.2	684.3	684.5	684.6
157.5°	696.1	696.1	696.1	696.1	696.1	696.1	696.0	695.9	695.8	695.7	695.6
160°	706.0	705.9	705.8	705.7	705.6	705.5	705.4	705.3	705.2	705.0	704.9
162.5°	715.4	715.0	714.6	714.3	713.9	713.7	713.6	713.5	713.4	713.3	713.2
165°	722.5	722.1	721.8	721.4	721.1	720.9	720.8	720.7	720.6	720.4	720.3
167.5°	728.5	728.0	727.5	727.0	726.5	726.3	726.3	726.3	726.3	726.3	726.3
170°	733.5	733.0	732.5	732.0	731.5	731.3	731.3	731.3	731.3	731.3	731.3
172.5°	736.8	736.2	735.6	734.9	734.3	734.0	734.1	734.2	734.3	734.5	734.6
175°	739.5	738.9	738.3	737.7	737.1	736.8	736.9	737.0	737.1	737.2	737.3
177.5°	740.6	740.0	739.4	738.8	738.2	737.9	738.0	738.1	738.2	738.3	738.4
180°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1100.0	1102.0	1109.1	1114.2	1124.3	1123.3	1123.3	1122.3	1119.2	1124.3	1127.3
5°	1176.9	1194.1	1196.1	1218.4	1219.4	1228.5	1234.6	1229.5	1241.7	1240.7	1231.6
7.5°	1272.0	1295.3	1306.4	1327.7	1352.0	1345.9	1369.2	1373.2	1371.2	1381.3	1388.4
10°	1376.3	1416.7	1445.1	1484.5	1494.7	1500.7	1515.9	1529.1	1555.4	1535.1	1548.3
12.5°	1495.7	1525.0	1562.5	1625.2	1656.6	1676.8	1683.9	1693.0	1711.2	1700.1	1701.1
15°	1595.9	1635.3	1699.1	1777.0	1786.1	1811.4	1805.3	1860.0	1886.3	1846.8	1869.1
17.5°	1700.1	1752.7	1828.6	1896.4	1934.9	1952.1	1968.3	2020.9	2018.9	2012.8	2017.9
20°	1766.9	1852.9	1947.0	2037.1	2048.2	2061.4	2104.9	2127.1	2123.1	2140.3	2151.4
22.5°	1861.0	1952.1	2052.3	2112.0	2137.3	2152.4	2186.8	2201.0	2207.1	2211.1	2204.1
25°	1939.9	2037.1	2111.0	2163.6	2178.8	2186.8	2198.0	2202.0	2199.0	2191.9	2198.0
27.5°	1993.6	2071.5	2122.1	2146.4	2138.3	2125.1	2103.9	2089.7	2058.3	2043.2	2061.4
30°	2015.8	2050.2	2065.4	2024.9	1984.5	1952.1	1911.6	1836.7	1778.0	1795.2	1771.9
32.5°	1980.4	1958.1	1885.3	1781.1	1749.7	1697.1	1582.7	1494.7	1497.7	1451.2	1470.4
35°	1876.2	1775.0	1637.4	1479.5	1438.0	1409.7	1284.2	1265.0	1224.5	1181.0	1193.1
37.5°	1692.0	1544.3	1377.3	1260.9	1199.2	1137.4	1066.6	1024.1	999.8	981.6	995.8
40°	1467.3	1287.2	1149.6	1045.4	992.7	953.3	904.7	862.2	834.9	831.8	836.9
42.5°	1246.7	1094.9	968.4	869.3	852.1	805.5	774.2	740.8	732.7	719.5	726.6
45°	1055.5	932.0	827.8	746.8	726.6	714.4	676.0	654.7	645.6	637.5	649.7
47.5°	916.8	787.3	711.4	662.8	642.6	622.4	601.1	586.9	579.9	580.9	579.9
50°	783.3	688.1	621.3	583.9	571.8	557.6	540.4	531.3	528.2	519.1	526.2
52.5°	674.0	605.2	558.6	523.2	514.1	504.0	489.8	484.7	477.6	475.6	475.6
55°	585.9	532.3	494.8	471.6	460.4	452.3	444.3	438.2	433.1	433.1	433.1
57.5°	517.1	470.6	443.2	423.0	419.0	410.9	401.7	401.7	394.7	393.7	396.7
60°	458.4	416.9	395.7	378.5	372.4	370.4	361.3	361.3	359.2	354.2	358.2
62.5°	398.7	368.4	350.1	337.0	330.9	330.9	323.8	318.8	318.8	319.8	317.8
65°	344.1	321.8	305.6	295.5	292.5	288.4	287.4	283.3	280.3	281.3	280.3
67.5°	295.5	278.3	267.2	259.1	254.0	252.0	248.9	248.9	246.9	247.9	242.9
70°	252.0	234.8	225.7	217.6	215.5	215.5	211.5	212.5	210.5	213.5	211.5
72.5°	207.5	194.3	187.2	184.2	182.2	181.1	179.1	177.1	176.1	178.1	177.1
75°	168.0	156.9	151.8	149.8	147.7	147.7	146.7	145.7	144.7	144.7	144.7
77.5°	130.5	123.5	117.4	119.4	116.4	117.4	114.4	114.4	115.4	114.4	114.4
80°	96.1	91.1	91.1	89.1	85.0	87.0	87.0	84.0	83.0	85.0	82.0
82.5°	63.8	62.7	60.7	59.7	57.7	58.7	57.7	56.7	55.7	57.7	55.7
85°	37.4	37.4	36.4	34.4	36.4	35.4	34.4	34.4	33.4	33.4	33.4
87.5°	19.2	17.2	17.2	16.2	17.2	15.2	16.2	15.2	14.2	15.2	14.2
90°	13.7	14.2	14.7	15.2	15.4	15.5	15.8	16.0	16.3	16.5	16.3
92.5°	15.1	16.0	16.8	17.7	18.1	18.2	18.3	18.4	18.6	18.7	18.6
95°	17.9	18.7	19.6	20.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9
97.5°	18.6	19.6	20.5	21.5	22.0	22.1	22.2	22.3	22.4	22.5	22.4
100°	19.1	20.1	21.0	22.0	22.5	22.6	22.7	22.8	23.0	23.1	23.0
102.5°	36.7	32.6	28.6	24.5	22.5	22.6	22.9	23.1	23.4	23.6	23.4
105°	98.7	77.1	55.5	33.9	23.1	23.2	23.5	23.7	24.0	24.2	24.0
107.5°	194.9	176.1	157.3	138.5	129.1	121.1	105.1	89.1	73.1	57.1	73.1
110°	243.8	239.8	235.7	231.7	229.7	221.0	203.5	186.0	168.6	151.1	168.6

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	283.5	284.6	285.7	286.8	287.4	287.3	287.0	286.8	286.5	286.3	286.5
115°	316.6	317.8	319.1	320.3	320.9	321.1	321.6	322.1	322.6	323.1	322.6
117.5°	348.8	349.8	350.7	351.7	352.2	352.3	352.4	352.5	352.6	352.7	352.6
120°	380.1	381.1	382.0	383.0	383.5	383.5	383.5	383.5	383.5	383.5	383.5
122.5°	411.0	411.6	412.3	412.9	413.2	413.3	413.4	413.5	413.6	413.7	413.6
125°	439.7	440.0	440.2	440.5	440.6	440.7	441.0	441.2	441.5	441.7	441.5
127.5°	469.1	469.4	469.8	470.1	470.3	470.2	469.9	469.7	469.4	469.2	469.4
130°	495.0	495.5	496.0	496.5	496.7	496.6	496.3	496.1	495.8	495.6	495.8
132.5°	519.7	520.2	520.7	521.2	521.4	521.2	520.9	520.5	520.2	519.8	520.2
135°	544.9	545.2	545.6	545.9	546.1	545.9	545.6	545.2	544.9	544.5	544.9
137.5°	567.1	567.7	568.3	568.9	569.2	569.1	568.8	568.6	568.3	568.1	568.3
140°	588.4	588.9	589.4	589.9	590.1	590.0	589.7	589.5	589.2	589.0	589.2
142.5°	608.6	609.0	609.3	609.7	609.9	609.7	609.3	609.0	608.6	608.2	608.6
145°	627.1	627.4	627.6	627.9	628.0	628.0	628.0	628.0	628.0	628.0	628.0
147.5°	644.1	644.4	644.6	644.9	645.0	644.7	644.1	643.5	642.9	642.3	642.9
150°	659.5	659.8	660.0	660.3	660.4	660.2	659.9	659.5	659.2	658.8	659.2
152.5°	673.0	673.5	674.0	674.5	674.7	674.4	673.8	673.2	672.6	672.0	672.6
155°	685.2	685.8	686.4	687.0	687.3	686.9	686.2	685.5	684.7	684.0	684.7
157.5°	696.3	697.1	697.8	698.5	698.9	698.4	697.4	696.5	695.5	694.5	695.5
160°	705.6	706.4	707.1	707.8	708.2	707.8	706.9	706.1	705.2	704.4	705.2
162.5°	714.0	714.9	715.7	716.6	717.0	716.6	715.9	715.2	714.4	713.7	714.4
165°	721.3	722.3	723.2	724.2	724.7	724.3	723.4	722.6	721.7	720.9	721.7
167.5°	727.3	728.3	729.2	730.2	730.7	730.2	729.2	728.3	727.3	726.3	727.3
170°	732.3	733.3	734.2	735.2	735.7	735.2	734.2	733.3	732.3	731.3	732.3
172.5°	735.6	736.6	737.5	738.5	739.0	738.4	737.3	736.2	735.1	734.0	735.1
175°	738.2	739.0	739.9	740.8	741.2	740.7	739.7	738.8	737.8	736.8	737.8
177.5°	739.4	740.4	741.3	742.3	742.8	742.2	741.0	739.7	738.5	737.3	738.5
180°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1119.2	1122.3	1114.2	1112.1	1112.1	1116.2	1113.2	1085.8	1090.9	1084.8	1082.8
5°	1242.7	1236.6	1228.5	1224.5	1219.4	1205.2	1204.2	1172.9	1166.8	1146.6	1137.4
7.5°	1378.3	1373.2	1348.9	1345.9	1343.9	1330.7	1297.3	1263.9	1239.7	1216.4	1194.1
10°	1533.1	1517.9	1506.8	1484.5	1473.4	1455.2	1411.7	1380.3	1338.8	1303.4	1256.9
12.5°	1719.3	1702.1	1664.7	1648.5	1634.3	1583.7	1540.2	1504.8	1423.8	1399.5	1341.9
15°	1855.9	1819.5	1815.5	1780.0	1778.0	1722.4	1639.4	1600.9	1538.2	1449.1	1389.4
17.5°	2003.7	1971.3	1946.0	1903.5	1897.4	1844.8	1784.1	1690.0	1621.2	1536.2	1460.3
20°	2112.0	2094.8	2051.2	2034.0	1998.6	1954.1	1891.4	1775.0	1691.0	1606.0	1512.9
22.5°	2198.0	2180.8	2146.4	2123.1	2102.9	2045.2	1970.3	1871.1	1755.8	1644.4	1548.3
25°	2197.0	2191.9	2177.7	2166.6	2151.4	2108.9	2046.2	1951.1	1822.5	1700.1	1566.5
27.5°	2072.5	2086.7	2111.0	2123.1	2120.1	2114.0	2078.6	1998.6	1883.3	1737.5	1587.8
30°	1813.4	1865.0	1910.6	1971.3	1989.5	2034.0	2054.3	2008.7	1916.7	1781.1	1615.1
32.5°	1503.8	1578.7	1677.8	1711.2	1768.9	1854.9	1951.1	1968.3	1910.6	1806.4	1632.3
35°	1233.6	1295.3	1372.2	1424.8	1476.5	1616.1	1737.5	1842.8	1862.0	1793.2	1628.2
37.5°	1021.1	1064.6	1132.4	1176.9	1224.5	1343.9	1513.9	1650.5	1746.6	1748.7	1617.1
40°	867.3	886.5	945.2	977.6	1023.1	1126.3	1278.1	1456.2	1596.9	1661.6	1587.8
42.5°	734.7	760.0	808.6	832.8	862.2	952.3	1052.4	1221.4	1395.5	1534.1	1533.1
45°	655.8	674.0	696.2	716.5	749.9	803.5	917.8	1044.3	1211.3	1368.2	1429.9
47.5°	585.9	603.1	625.4	631.5	653.7	704.3	774.2	884.5	1040.3	1196.1	1312.5
50°	527.2	541.4	556.6	567.7	577.8	619.3	671.9	765.0	889.5	1040.3	1185.0
52.5°	481.7	491.8	505.0	511.0	520.1	550.5	591.0	659.8	762.0	899.6	1040.3
55°	439.2	446.3	454.4	464.5	468.5	490.8	522.2	580.9	656.8	780.2	913.8
57.5°	399.7	402.8	407.8	413.9	419.0	438.2	465.5	505.0	571.8	666.9	793.4
60°	355.2	363.3	366.3	372.4	375.4	390.6	411.9	445.3	496.9	578.8	674.0
62.5°	317.8	322.8	327.9	330.9	338.0	343.1	360.3	390.6	433.1	493.8	579.9
65°	284.4	286.4	289.4	292.5	294.5	300.6	316.7	337.0	369.4	423.0	489.8
67.5°	245.9	247.9	252.0	253.0	255.0	263.1	272.2	289.4	316.7	357.2	411.9
70°	208.5	211.5	213.5	215.5	218.6	221.6	231.7	245.9	267.2	295.5	338.0
72.5°	176.1	179.1	179.1	181.1	180.1	184.2	194.3	204.4	218.6	241.9	279.3
75°	143.7	143.7	145.7	146.7	147.7	151.8	155.8	163.9	175.1	193.3	216.6
77.5°	113.3	112.3	114.4	114.4	114.4	117.4	121.4	125.5	132.6	145.7	163.9
80°	83.0	83.0	85.0	86.0	84.0	85.0	87.0	91.1	96.1	105.2	115.4
82.5°	54.6	58.7	57.7	58.7	57.7	59.7	60.7	61.7	63.8	67.8	74.9
85°	33.4	33.4	33.4	34.4	33.4	34.4	34.4	34.4	35.4	37.4	40.5
87.5°	14.2	14.2	14.2	15.2	14.2	14.2	15.2	14.2	15.2	15.2	16.2
90°	16.0	15.8	15.5	15.4	15.2	14.7	14.2	13.7	13.2	11.6	10.0
92.5°	18.4	18.3	18.2	18.1	17.7	16.8	16.0	15.1	14.3	13.2	12.1
95°	20.9	20.9	20.9	20.9	20.5	19.6	18.7	17.9	17.0	15.7	14.3
97.5°	22.3	22.2	22.1	22.0	21.5	20.5	19.6	18.6	17.6	23.8	30.0
100°	22.8	22.7	22.6	22.5	22.0	21.0	20.1	19.1	18.1	37.1	56.2
102.5°	23.1	22.9	22.6	22.5	24.5	28.6	32.6	36.7	40.7	61.9	83.2
105°	23.7	23.5	23.2	23.1	33.9	55.5	77.1	98.7	120.3	131.3	142.3
107.5°	89.1	105.1	121.1	129.1	138.5	157.3	176.1	194.9	213.7	211.9	210.1
110°	186.0	203.5	221.0	229.7	231.7	235.7	239.8	243.8	247.8	246.4	245.1

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CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	286.8	287.0	287.3	287.4	286.8	285.7	284.6	283.5	282.4	281.1	279.7
115°	322.1	321.6	321.1	320.9	320.3	319.1	317.8	316.6	315.4	314.3	313.2
117.5°	352.5	352.4	352.3	352.2	351.7	350.7	349.8	348.8	347.8	347.2	346.6
120°	383.5	383.5	383.5	383.5	383.0	382.0	381.1	380.1	379.1	378.7	378.4
122.5°	413.5	413.4	413.3	413.2	412.9	412.3	411.6	411.0	410.4	409.9	409.4
125°	441.2	441.0	440.7	440.6	440.5	440.2	440.0	439.7	439.5	439.0	438.5
127.5°	469.7	469.9	470.2	470.3	470.1	469.8	469.4	469.1	468.7	468.1	467.5
130°	496.1	496.3	496.6	496.7	496.5	496.0	495.5	495.0	494.5	494.0	493.5
132.5°	520.5	520.9	521.2	521.4	521.2	520.7	520.2	519.7	519.2	518.8	518.5
135°	545.2	545.6	545.9	546.1	545.9	545.6	545.2	544.9	544.5	544.0	543.5
137.5°	568.6	568.8	569.1	569.2	568.9	568.3	567.7	567.1	566.5	566.3	566.0
140°	589.5	589.7	590.0	590.1	589.9	589.4	588.9	588.4	587.9	587.5	587.1
142.5°	609.0	609.3	609.7	609.9	609.7	609.3	609.0	608.6	608.2	607.8	607.5
145°	628.0	628.0	628.0	628.0	627.9	627.6	627.4	627.1	626.9	626.7	626.4
147.5°	643.5	644.1	644.7	645.0	644.9	644.6	644.4	644.1	643.9	643.7	643.4
150°	659.5	659.9	660.2	660.4	660.3	660.0	659.8	659.5	659.3	659.1	658.8
152.5°	673.2	673.8	674.4	674.7	674.5	674.0	673.5	673.0	672.5	672.4	672.3
155°	685.5	686.2	686.9	687.3	687.0	686.4	685.8	685.2	684.6	684.5	684.3
157.5°	696.5	697.4	698.4	698.9	698.5	697.8	697.1	696.3	695.6	695.7	695.8
160°	706.1	706.9	707.8	708.2	707.8	707.1	706.4	705.6	704.9	705.0	705.2
162.5°	715.2	715.9	716.6	717.0	716.6	715.7	714.9	714.0	713.2	713.3	713.4
165°	722.6	723.4	724.3	724.7	724.2	723.2	722.3	721.3	720.3	720.4	720.6
167.5°	728.3	729.2	730.2	730.7	730.2	729.2	728.3	727.3	726.3	726.3	726.3
170°	733.3	734.2	735.2	735.7	735.2	734.2	733.3	732.3	731.3	731.3	731.3
172.5°	736.2	737.3	738.4	739.0	738.5	737.5	736.6	735.6	734.6	734.5	734.3
175°	738.8	739.7	740.7	741.2	740.8	739.9	739.0	738.2	737.3	737.2	737.1
177.5°	739.7	741.0	742.2	742.8	742.3	741.3	740.4	739.4	738.4	738.3	738.2
180°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1072.7	1069.6	1069.6	1067.6	1061.5	1050.4	1049.4	1051.4	1045.4	1039.3	1030.2
5°	1125.3	1106.1	1100.0	1093.9	1081.8	1061.5	1053.5	1046.4	1035.2	1022.1	1007.9
7.5°	1169.8	1142.5	1134.4	1123.3	1099.0	1070.7	1052.4	1037.3	1022.1	1003.9	986.7
10°	1225.5	1186.0	1166.8	1150.6	1117.2	1077.7	1050.4	1028.2	1003.9	981.6	959.3
12.5°	1288.2	1224.5	1218.4	1178.9	1140.5	1081.8	1048.4	1016.0	983.6	956.3	933.0
15°	1340.8	1271.0	1245.7	1219.4	1145.5	1072.7	1040.3	1003.9	966.4	937.1	902.7
17.5°	1374.2	1316.6	1262.9	1227.5	1150.6	1085.8	1023.1	981.6	942.1	901.7	873.3
20°	1414.7	1330.7	1284.2	1236.6	1160.7	1075.7	1013.0	961.4	912.8	876.4	842.0
22.5°	1455.2	1341.9	1303.4	1251.8	1162.7	1065.6	994.8	943.1	887.5	851.1	813.6
25°	1451.2	1358.1	1294.3	1250.8	1142.5	1056.5	973.5	912.8	861.2	814.6	777.2
27.5°	1454.2	1339.8	1275.1	1224.5	1128.3	1043.3	951.2	887.5	833.9	785.3	745.8
30°	1455.2	1312.5	1255.8	1195.1	1102.0	1012.0	925.9	861.2	804.5	751.9	716.5
32.5°	1452.2	1290.3	1219.4	1164.8	1060.5	981.6	896.6	827.8	770.1	721.5	688.1
35°	1445.1	1263.9	1182.0	1113.2	1018.0	938.1	869.3	798.4	736.7	692.2	653.7
37.5°	1425.9	1235.6	1142.5	1074.7	968.4	887.5	826.8	768.1	708.4	655.8	623.4
40°	1411.7	1197.2	1103.0	1029.2	914.8	835.9	785.3	729.6	670.9	623.4	592.0
42.5°	1379.3	1160.7	1062.6	974.5	862.2	781.2	733.7	689.1	638.5	592.0	563.7
45°	1326.7	1121.3	1013.0	923.9	804.5	727.6	684.1	647.7	603.1	558.6	530.3
47.5°	1252.8	1064.6	960.4	871.3	747.8	669.9	626.4	599.1	563.7	526.2	501.9
50°	1172.9	1002.9	906.7	818.7	693.2	617.3	574.8	549.5	526.2	491.8	468.5
52.5°	1068.6	937.1	845.0	761.0	634.5	561.6	524.2	506.0	481.7	457.4	437.2
55°	967.4	852.1	776.2	696.2	576.8	509.0	472.6	453.4	439.2	419.0	402.8
57.5°	850.0	773.1	703.3	630.5	523.2	461.5	427.0	403.8	394.7	385.6	370.4
60°	741.8	683.1	626.4	565.7	467.5	411.9	378.5	360.3	351.2	345.1	335.0
62.5°	642.6	597.1	548.5	499.9	410.9	360.3	335.0	316.7	308.6	307.6	298.5
65°	547.5	515.1	475.6	428.1	358.2	313.7	289.4	278.3	269.2	269.2	262.1
67.5°	452.3	430.1	398.7	365.3	310.7	269.2	246.9	236.8	231.7	231.7	226.7
70°	376.4	361.3	332.9	303.6	256.0	224.7	207.5	198.3	195.3	196.3	192.3
72.5°	305.6	289.4	266.1	244.9	209.5	186.2	174.1	163.9	158.9	159.9	158.9
75°	236.8	228.7	208.5	192.3	163.9	147.7	136.6	131.6	127.5	128.5	126.5
77.5°	178.1	166.0	154.8	143.7	126.5	113.3	104.2	99.2	96.1	96.1	96.1
80°	121.4	119.4	110.3	104.2	90.1	79.9	72.9	71.8	68.8	68.8	68.8
82.5°	78.9	73.9	68.8	64.8	56.7	50.6	47.6	45.5	44.5	43.5	45.5
85°	43.5	40.5	38.5	34.4	31.4	28.3	25.3	24.3	23.3	24.3	23.3
87.5°	17.2	14.2	14.2	13.2	12.1	11.1	11.1	9.1	9.1	8.1	8.1
90°	8.4	6.8	6.0	5.4	4.2	2.9	1.7	0.5	1.7	2.9	4.2
92.5°	11.0	9.9	9.3	9.7	10.4	11.1	11.9	12.6	11.9	11.1	10.4
95°	13.0	11.7	11.0	13.5	18.5	23.5	28.5	33.5	28.5	23.5	18.5
97.5°	36.3	42.5	45.6	47.3	50.7	54.2	57.6	61.0	57.6	54.2	50.7
100°	75.2	94.3	103.8	102.6	100.2	97.7	95.3	92.9	95.3	97.7	100.2
102.5°	104.4	125.7	136.3	135.5	133.9	132.3	130.7	129.1	130.7	132.3	133.9
105°	153.3	164.3	169.8	169.1	167.8	166.4	165.1	163.7	165.1	166.4	167.8
107.5°	208.2	206.4	205.5	204.9	203.8	202.7	201.6	200.5	201.6	202.7	203.8
110°	243.7	242.4	241.7	241.2	240.3	239.3	238.4	237.4	238.4	239.3	240.3

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	278.4	277.1	276.4	276.0	275.1	274.2	273.4	272.5	273.4	274.2	275.1
115°	312.1	311.0	310.4	310.0	309.3	308.6	307.8	307.1	307.8	308.6	309.3
117.5°	345.9	345.3	345.0	344.6	343.7	342.9	342.0	341.2	342.0	342.9	343.7
120°	378.0	377.7	377.5	376.9	375.8	374.7	373.6	372.5	373.6	374.7	375.8
122.5°	408.9	408.4	408.2	407.8	406.9	406.1	405.2	404.4	405.2	406.1	406.9
125°	438.0	437.5	437.3	436.8	435.8	434.9	433.9	432.9	433.9	434.9	435.8
127.5°	466.8	466.2	465.9	465.4	464.4	463.5	462.5	461.5	462.5	463.5	464.4
130°	493.0	492.5	492.3	491.8	490.8	489.9	488.9	487.9	488.9	489.9	490.8
132.5°	518.1	517.8	517.6	517.1	516.1	515.2	514.2	513.2	514.2	515.2	516.1
135°	543.0	542.5	542.3	541.9	541.2	540.5	539.7	539.0	539.7	540.5	541.2
137.5°	565.8	565.5	565.4	564.9	563.9	563.0	562.0	561.0	562.0	563.0	563.9
140°	586.8	586.4	586.2	585.8	585.1	584.4	583.6	582.9	583.6	584.4	585.1
142.5°	607.1	606.8	606.6	606.2	605.5	604.8	604.0	603.3	604.0	604.8	605.5
145°	626.2	625.9	625.8	625.4	624.5	623.7	622.8	622.0	622.8	623.7	624.5
147.5°	643.2	642.9	642.8	642.5	641.9	641.3	640.7	640.1	640.7	641.3	641.9
150°	658.6	658.3	658.2	658.0	657.7	657.3	657.0	656.6	657.0	657.3	657.7
152.5°	672.2	672.1	672.0	671.9	671.8	671.7	671.5	671.4	671.5	671.7	671.8
155°	684.2	684.1	684.0	684.1	684.4	684.6	684.9	685.1	684.9	684.6	684.4
157.5°	695.9	696.0	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
160°	705.3	705.4	705.5	705.6	705.7	705.8	705.9	706.0	705.9	705.8	705.7
162.5°	713.5	713.6	713.7	713.9	714.3	714.6	715.0	715.4	715.0	714.6	714.3
165°	720.7	720.8	720.9	721.1	721.4	721.8	722.1	722.5	722.1	721.8	721.4
167.5°	726.3	726.3	726.3	726.5	727.0	727.5	728.0	728.5	728.0	727.5	727.0
170°	731.3	731.3	731.3	731.5	732.0	732.5	733.0	733.5	733.0	732.5	732.0
172.5°	734.2	734.1	734.0	734.3	734.9	735.6	736.2	736.8	736.2	735.6	734.9
175°	737.0	736.9	736.8	737.1	737.7	738.3	738.9	739.5	738.9	738.3	737.7
177.5°	738.1	738.0	737.9	738.2	738.8	739.4	740.0	740.6	740.0	739.4	738.8
180°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	1028.2	1027.1	1029.2	1023.1	1013.0	1007.9	993.7	990.7	989.7	990.7	991.7
5°	999.8	998.8	995.8	985.7	973.5	964.4	947.2	946.2	940.1	934.0	937.1
7.5°	972.5	968.4	962.4	949.2	933.0	922.9	908.7	898.6	890.5	885.5	881.4
10°	945.2	939.1	933.0	915.8	895.6	880.4	863.2	855.1	846.0	842.0	837.9
12.5°	909.8	903.7	892.6	872.3	860.2	840.9	823.7	815.6	810.6	802.5	797.4
15°	881.4	869.3	863.2	842.0	816.7	814.6	783.3	781.2	771.1	771.1	763.0
17.5°	849.0	839.9	828.8	807.5	789.3	771.1	754.9	748.9	739.7	737.7	733.7
20°	817.7	805.5	801.5	780.2	761.0	738.7	721.5	715.5	711.4	707.4	710.4
22.5°	785.3	775.2	765.0	745.8	731.6	709.4	699.3	693.2	687.1	685.1	686.1
25°	753.9	744.8	734.7	715.5	700.3	682.1	673.0	669.9	666.9	666.9	665.9
27.5°	723.6	714.4	705.3	688.1	673.0	659.8	652.7	649.7	646.6	648.7	650.7
30°	692.2	684.1	676.0	660.8	648.7	636.5	632.5	630.5	629.4	634.5	634.5
32.5°	663.8	656.8	650.7	636.5	624.4	614.3	611.2	612.2	613.2	616.3	618.3
35°	634.5	629.4	623.4	611.2	601.1	592.0	593.0	593.0	595.0	600.1	604.1
37.5°	608.2	601.1	596.0	585.9	577.8	569.7	572.8	575.8	577.8	583.9	585.9
40°	576.8	573.8	569.7	559.6	552.5	551.5	552.5	554.6	558.6	561.6	564.7
42.5°	551.5	547.5	542.4	534.3	528.2	529.3	530.3	532.3	534.3	539.4	542.4
45°	523.2	520.1	516.1	509.0	504.0	505.0	506.0	506.0	508.0	514.1	516.1
47.5°	491.8	492.8	487.8	480.7	477.6	477.6	477.6	479.7	484.7	486.8	487.8
50°	461.5	459.4	458.4	451.3	449.3	448.3	449.3	450.3	457.4	456.4	459.4
52.5°	429.1	429.1	428.1	424.0	421.0	421.0	419.0	424.0	426.0	428.1	431.1
55°	397.7	394.7	393.7	391.6	387.6	386.6	388.6	394.7	396.7	398.7	401.7
57.5°	363.3	363.3	361.3	358.2	358.2	358.2	358.2	362.3	365.3	367.3	373.4
60°	331.9	327.9	324.8	324.8	324.8	323.8	329.9	329.9	336.0	337.0	339.0
62.5°	294.5	292.5	290.4	291.4	290.4	292.5	294.5	298.5	299.5	302.6	305.6
65°	259.1	259.1	257.0	263.1	259.1	259.1	264.1	264.1	266.1	269.2	273.2
67.5°	224.7	225.7	223.6	223.6	225.7	226.7	227.7	231.7	232.8	236.8	241.9
70°	189.2	191.3	192.3	190.2	192.3	194.3	196.3	197.3	201.4	203.4	206.4
72.5°	157.9	159.9	156.9	157.9	158.9	160.9	161.9	163.9	166.0	172.0	174.1
75°	126.5	125.5	124.5	128.5	126.5	130.5	131.6	131.6	133.6	138.6	140.7
77.5°	97.1	97.1	98.2	96.1	99.2	98.2	99.2	102.2	105.2	105.2	113.3
80°	67.8	69.8	69.8	69.8	70.8	71.8	69.8	74.9	75.9	75.9	78.9
82.5°	43.5	44.5	43.5	45.5	45.5	47.6	46.6	47.6	49.6	51.6	52.6
85°	23.3	23.3	25.3	25.3	24.3	25.3	24.3	25.3	27.3	27.3	28.3
87.5°	8.1	8.1	8.1	8.1	9.1	8.1	9.1	9.1	8.1	8.1	11.1
90°	5.4	6.0	6.8	8.4	10.0	11.6	13.2	13.7	14.2	14.7	15.2
92.5°	9.7	9.3	9.9	11.0	12.1	13.2	14.3	15.1	16.0	16.8	17.7
95°	13.5	11.0	11.7	13.0	14.3	15.7	17.0	17.9	18.7	19.6	20.5
97.5°	47.3	45.6	42.5	36.3	30.0	23.8	17.6	18.6	19.6	20.5	21.5
100°	102.6	103.8	94.3	75.2	56.2	37.1	18.1	19.1	20.1	21.0	22.0
102.5°	135.5	136.3	125.7	104.4	83.2	61.9	40.7	36.7	32.6	28.6	24.5
105°	169.1	169.8	164.3	153.3	142.3	131.3	120.3	98.7	77.1	55.5	33.9
107.5°	204.9	205.5	206.4	208.2	210.1	211.9	213.7	194.9	176.1	157.3	138.5
110°	241.2	241.7	242.4	243.7	245.1	246.4	247.8	243.8	239.8	235.7	231.7

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	276.0	276.4	277.1	278.4	279.7	281.1	282.4	283.5	284.6	285.7	286.8
115°	310.0	310.4	311.0	312.1	313.2	314.3	315.4	316.6	317.8	319.1	320.3
117.5°	344.6	345.0	345.3	345.9	346.6	347.2	347.8	348.8	349.8	350.7	351.7
120°	376.9	377.5	377.7	378.0	378.4	378.7	379.1	380.1	381.1	382.0	383.0
122.5°	407.8	408.2	408.4	408.9	409.4	409.9	410.4	411.0	411.6	412.3	412.9
125°	436.8	437.3	437.5	438.0	438.5	439.0	439.5	439.7	440.0	440.2	440.5
127.5°	465.4	465.9	466.2	466.8	467.5	468.1	468.7	469.1	469.4	469.8	470.1
130°	491.8	492.3	492.5	493.0	493.5	494.0	494.5	495.0	495.5	496.0	496.5
132.5°	517.1	517.6	517.8	518.1	518.5	518.8	519.2	519.7	520.2	520.7	521.2
135°	541.9	542.3	542.5	543.0	543.5	544.0	544.5	544.9	545.2	545.6	545.9
137.5°	564.9	565.4	565.5	565.8	566.0	566.3	566.5	567.1	567.7	568.3	568.9
140°	585.8	586.2	586.4	586.8	587.1	587.5	587.9	588.4	588.9	589.4	589.9
142.5°	606.2	606.6	606.8	607.1	607.5	607.8	608.2	608.6	609.0	609.3	609.7
145°	625.4	625.8	625.9	626.2	626.4	626.7	626.9	627.1	627.4	627.6	627.9
147.5°	642.5	642.8	642.9	643.2	643.4	643.7	643.9	644.1	644.4	644.6	644.9
150°	658.0	658.2	658.3	658.6	658.8	659.1	659.3	659.5	659.8	660.0	660.3
152.5°	671.9	672.0	672.1	672.2	672.3	672.4	672.5	673.0	673.5	674.0	674.5
155°	684.1	684.0	684.1	684.2	684.3	684.5	684.6	685.2	685.8	686.4	687.0
157.5°	696.1	696.1	696.0	695.9	695.8	695.7	695.6	696.3	697.1	697.8	698.5
160°	705.6	705.5	705.4	705.3	705.2	705.0	704.9	705.6	706.4	707.1	707.8
162.5°	713.9	713.7	713.6	713.5	713.4	713.3	713.2	714.0	714.9	715.7	716.6
165°	721.1	720.9	720.8	720.7	720.6	720.4	720.3	721.3	722.3	723.2	724.2
167.5°	726.5	726.3	726.3	726.3	726.3	726.3	726.3	727.3	728.3	729.2	730.2
170°	731.5	731.3	731.3	731.3	731.3	731.3	731.3	732.3	733.3	734.2	735.2
172.5°	734.3	734.0	734.1	734.2	734.3	734.5	734.6	735.6	736.6	737.5	738.5
175°	737.1	736.8	736.9	737.0	737.1	737.2	737.3	738.2	739.0	739.9	740.8
177.5°	738.2	737.9	738.0	738.1	738.2	738.3	738.4	739.4	740.4	741.3	742.3
180°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	990.7	991.7	987.7	984.6	992.7	987.7	987.7	988.7	986.7	989.7	988.7
5°	935.1	936.1	929.0	931.0	927.0	925.9	924.9	931.0	930.0	929.0	931.0
7.5°	880.4	880.4	877.4	875.3	875.3	872.3	876.4	875.3	877.4	877.4	880.4
10°	834.9	836.9	831.8	826.8	825.8	826.8	826.8	827.8	828.8	835.9	834.9
12.5°	797.4	794.4	793.4	790.3	785.3	783.3	781.2	792.4	789.3	789.3	789.3
15°	755.9	763.0	762.0	752.9	750.9	754.9	752.9	752.9	763.0	762.0	761.0
17.5°	733.7	731.6	729.6	724.6	725.6	724.6	725.6	725.6	731.6	731.6	731.6
20°	708.4	704.3	704.3	702.3	702.3	699.3	703.3	704.3	708.4	708.4	709.4
22.5°	686.1	683.1	683.1	682.1	684.1	680.0	684.1	685.1	685.1	688.1	688.1
25°	666.9	664.9	664.9	666.9	666.9	666.9	666.9	670.9	667.9	668.9	667.9
27.5°	649.7	650.7	651.7	652.7	651.7	652.7	653.7	655.8	656.8	655.8	653.7
30°	633.5	636.5	637.5	637.5	639.6	640.6	641.6	641.6	642.6	639.6	641.6
32.5°	621.3	621.3	623.4	624.4	626.4	627.4	627.4	629.4	628.4	625.4	626.4
35°	604.1	604.1	608.2	610.2	613.2	612.2	613.2	613.2	614.3	612.2	609.2
37.5°	586.9	589.0	589.0	593.0	594.0	595.0	594.0	596.0	595.0	593.0	592.0
40°	566.7	565.7	566.7	569.7	570.7	570.7	570.7	572.8	572.8	572.8	571.8
42.5°	541.4	544.4	543.4	546.5	545.4	545.4	547.5	549.5	550.5	547.5	548.5
45°	517.1	517.1	519.1	519.1	520.1	520.1	524.2	522.2	524.2	522.2	523.2
47.5°	490.8	491.8	491.8	492.8	494.8	496.9	494.8	495.9	495.9	496.9	494.8
50°	461.5	461.5	463.5	466.5	470.6	468.5	467.5	471.6	468.5	468.5	466.5
52.5°	431.1	434.1	435.1	438.2	441.2	442.2	443.2	441.2	442.2	439.2	440.2
55°	401.7	402.8	406.8	409.8	412.9	412.9	411.9	412.9	413.9	409.8	409.8
57.5°	372.4	375.4	379.5	379.5	383.5	383.5	382.5	382.5	383.5	380.5	379.5
60°	341.0	344.1	349.1	349.1	355.2	356.2	354.2	352.2	352.2	349.1	350.1
62.5°	307.6	310.7	313.7	318.8	322.8	320.8	324.8	320.8	321.8	315.7	315.7
65°	278.3	279.3	284.4	289.4	289.4	291.4	289.4	290.4	287.4	287.4	283.3
67.5°	243.9	243.9	248.9	254.0	259.1	259.1	259.1	256.0	256.0	253.0	253.0
70°	213.5	212.5	217.6	220.6	223.6	224.7	222.6	221.6	219.6	216.6	215.5
72.5°	176.1	178.1	183.2	185.2	190.2	189.2	194.3	188.2	188.2	183.2	182.2
75°	142.7	144.7	149.8	152.8	155.8	155.8	158.9	155.8	151.8	149.8	148.8
77.5°	113.3	112.3	116.4	121.4	122.4	121.4	123.5	122.4	118.4	118.4	116.4
80°	81.0	84.0	88.0	87.0	91.1	90.1	90.1	88.0	88.0	85.0	87.0
82.5°	53.6	56.7	57.7	56.7	57.7	59.7	60.7	59.7	59.7	57.7	58.7
85°	28.3	28.3	30.4	31.4	30.4	30.4	31.4	34.4	32.4	30.4	32.4
87.5°	9.1	8.1	8.1	9.1	8.1	8.1	9.1	9.1	10.1	10.1	10.1
90°	15.4	15.5	15.8	16.0	16.3	16.5	16.3	16.0	15.8	15.5	15.4
92.5°	18.1	18.2	18.3	18.4	18.6	18.7	18.6	18.4	18.3	18.2	18.1
95°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
97.5°	22.0	22.1	22.2	22.3	22.4	22.5	22.4	22.3	22.2	22.1	22.0
100°	22.5	22.6	22.7	22.8	23.0	23.1	23.0	22.8	22.7	22.6	22.5
102.5°	22.5	22.6	22.9	23.1	23.4	23.6	23.4	23.1	22.9	22.6	22.5
105°	23.1	23.2	23.5	23.7	24.0	24.2	24.0	23.7	23.5	23.2	23.1
107.5°	129.1	121.1	105.1	89.1	73.1	57.1	73.1	89.1	105.1	121.1	129.1
110°	229.7	221.0	203.5	186.0	168.6	151.1	168.6	186.0	203.5	221.0	229.7

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	287.4	287.3	287.0	286.8	286.5	286.3	286.5	286.8	287.0	287.3	287.4
115°	320.9	321.1	321.6	322.1	322.6	323.1	322.6	322.1	321.6	321.1	320.9
117.5°	352.2	352.3	352.4	352.5	352.6	352.7	352.6	352.5	352.4	352.3	352.2
120°	383.5	383.5	383.5	383.5	383.5	383.5	383.5	383.5	383.5	383.5	383.5
122.5°	413.2	413.3	413.4	413.5	413.6	413.7	413.6	413.5	413.4	413.3	413.2
125°	440.6	440.7	441.0	441.2	441.5	441.7	441.5	441.2	441.0	440.7	440.6
127.5°	470.3	470.2	469.9	469.7	469.4	469.2	469.4	469.7	469.9	470.2	470.3
130°	496.7	496.6	496.3	496.1	495.8	495.6	495.8	496.1	496.3	496.6	496.7
132.5°	521.4	521.2	520.9	520.5	520.2	519.8	520.2	520.5	520.9	521.2	521.4
135°	546.1	545.9	545.6	545.2	544.9	544.5	544.9	545.2	545.6	545.9	546.1
137.5°	569.2	569.1	568.8	568.6	568.3	568.1	568.3	568.6	568.8	569.1	569.2
140°	590.1	590.0	589.7	589.5	589.2	589.0	589.2	589.5	589.7	590.0	590.1
142.5°	609.9	609.7	609.3	609.0	608.6	608.2	608.6	609.0	609.3	609.7	609.9
145°	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0
147.5°	645.0	644.7	644.1	643.5	642.9	642.3	642.9	643.5	644.1	644.7	645.0
150°	660.4	660.2	659.9	659.5	659.2	658.8	659.2	659.5	659.9	660.2	660.4
152.5°	674.7	674.4	673.8	673.2	672.6	672.0	672.6	673.2	673.8	674.4	674.7
155°	687.3	686.9	686.2	685.5	684.7	684.0	684.7	685.5	686.2	686.9	687.3
157.5°	698.9	698.4	697.4	696.5	695.5	694.5	695.5	696.5	697.4	698.4	698.9
160°	708.2	707.8	706.9	706.1	705.2	704.4	705.2	706.1	706.9	707.8	708.2
162.5°	717.0	716.6	715.9	715.2	714.4	713.7	714.4	715.2	715.9	716.6	717.0
165°	724.7	724.3	723.4	722.6	721.7	720.9	721.7	722.6	723.4	724.3	724.7
167.5°	730.7	730.2	729.2	728.3	727.3	726.3	727.3	728.3	729.2	730.2	730.7
170°	735.7	735.2	734.2	733.3	732.3	731.3	732.3	733.3	734.2	735.2	735.7
172.5°	739.0	738.4	737.3	736.2	735.1	734.0	735.1	736.2	737.3	738.4	739.0
175°	741.2	740.7	739.7	738.8	737.8	736.8	737.8	738.8	739.7	740.7	741.2
177.5°	742.8	742.2	741.0	739.7	738.5	737.3	738.5	739.7	741.0	742.2	742.8
180°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3	1044.3
2.5°	991.7	993.7	994.8	990.7	987.7	992.7	999.8	1004.9	1008.9	1014.0	1017.0
5°	933.0	940.1	940.1	942.1	945.2	950.2	963.4	972.5	980.6	986.7	991.7
7.5°	883.4	888.5	891.5	896.6	901.7	908.7	923.9	937.1	949.2	956.3	964.4
10°	838.9	843.0	848.0	851.1	860.2	870.3	889.5	900.6	914.8	925.9	936.1
12.5°	796.4	810.6	813.6	812.6	820.7	831.8	851.1	868.3	883.4	894.6	905.7
15°	766.1	771.1	777.2	776.2	793.4	796.4	812.6	832.8	853.1	860.2	870.3
17.5°	732.7	740.8	746.8	749.9	754.9	766.1	781.2	796.4	822.7	823.7	850.0
20°	706.3	714.4	718.5	722.5	725.6	738.7	751.9	769.1	790.3	801.5	815.6
22.5°	689.1	693.2	696.2	699.3	703.3	710.4	726.6	745.8	760.0	772.1	781.2
25°	668.9	673.0	677.0	679.0	682.1	686.1	698.3	713.4	733.7	741.8	750.9
27.5°	654.7	654.7	656.8	656.8	660.8	664.9	674.0	688.1	704.3	714.4	726.6
30°	639.6	638.5	639.6	638.5	637.5	643.6	651.7	663.8	675.0	687.1	695.2
32.5°	624.4	623.4	623.4	624.4	620.3	623.4	627.4	638.5	650.7	656.8	665.9
35°	608.2	606.2	606.2	606.2	604.1	602.1	606.2	616.3	624.4	632.5	639.6
37.5°	592.0	589.0	589.0	586.9	584.9	581.9	581.9	590.0	601.1	604.1	613.2
40°	569.7	569.7	567.7	566.7	564.7	562.7	559.6	566.7	576.8	579.9	586.9
42.5°	547.5	544.4	543.4	543.4	543.4	540.4	538.4	543.4	549.5	554.6	558.6
45°	522.2	520.1	521.2	520.1	518.1	517.1	516.1	518.1	525.2	527.2	532.3
47.5°	494.8	493.8	493.8	492.8	491.8	492.8	488.8	493.8	495.9	497.9	501.9
50°	466.5	465.5	464.5	463.5	463.5	464.5	463.5	463.5	467.5	469.6	473.6
52.5°	438.2	435.1	435.1	434.1	434.1	432.1	434.1	435.1	437.2	439.2	441.2
55°	407.8	407.8	404.8	404.8	402.8	402.8	403.8	402.8	406.8	408.8	408.8
57.5°	378.5	374.4	375.4	373.4	371.4	370.4	370.4	372.4	374.4	374.4	376.4
60°	347.1	343.1	342.0	338.0	340.0	337.0	338.0	338.0	342.0	340.0	342.0
62.5°	315.7	310.7	307.6	305.6	305.6	306.6	304.6	303.6	305.6	307.6	311.7
65°	282.3	279.3	276.3	273.2	273.2	272.2	274.2	271.2	270.2	271.2	273.2
67.5°	247.9	244.9	241.9	238.8	239.8	236.8	234.8	237.8	235.8	236.8	238.8
70°	214.5	212.5	206.4	204.4	203.4	204.4	203.4	201.4	204.4	203.4	204.4
72.5°	181.1	179.1	176.1	171.0	171.0	170.0	169.0	169.0	168.0	168.0	168.0
75°	148.8	144.7	141.7	140.7	138.6	137.6	136.6	134.6	135.6	136.6	134.6
77.5°	115.4	110.3	109.3	109.3	106.3	106.3	107.3	106.3	105.2	105.2	105.2
80°	85.0	81.0	81.0	78.9	76.9	76.9	76.9	76.9	75.9	74.9	75.9
82.5°	54.6	53.6	52.6	52.6	54.6	50.6	52.6	51.6	50.6	50.6	49.6
85°	30.4	31.4	30.4	31.4	29.3	30.4	30.4	30.4	29.3	30.4	28.3
87.5°	11.1	11.1	11.1	12.1	12.1	12.1	12.1	12.1	13.2	12.1	12.1
90°	15.2	14.7	14.2	13.7	13.2	11.6	10.0	8.4	6.8	6.0	5.4
92.5°	17.7	16.8	16.0	15.1	14.3	13.2	12.1	11.0	9.9	9.3	9.7
95°	20.5	19.6	18.7	17.9	17.0	15.7	14.3	13.0	11.7	11.0	13.5
97.5°	21.5	20.5	19.6	18.6	17.6	23.8	30.0	36.3	42.5	45.6	47.3
100°	22.0	21.0	20.1	19.1	18.1	37.1	56.2	75.2	94.3	103.8	102.6
102.5°	24.5	28.6	32.6	36.7	40.7	61.9	83.2	104.4	125.7	136.3	135.5
105°	33.9	55.5	77.1	98.7	120.3	131.3	142.3	153.3	164.3	169.8	169.1
107.5°	138.5	157.3	176.1	194.9	213.7	211.9	210.1	208.2	206.4	205.5	204.9
110°	231.7	235.7	239.8	243.8	247.8	246.4	245.1	243.7	242.4	241.7	241.2

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	286.8	285.7	284.6	283.5	282.4	281.1	279.7	278.4	277.1	276.4	276.0
115°	320.3	319.1	317.8	316.6	315.4	314.3	313.2	312.1	311.0	310.4	310.0
117.5°	351.7	350.7	349.8	348.8	347.8	347.2	346.6	345.9	345.3	345.0	344.6
120°	383.0	382.0	381.1	380.1	379.1	378.7	378.4	378.0	377.7	377.5	376.9
122.5°	412.9	412.3	411.6	411.0	410.4	409.9	409.4	408.9	408.4	408.2	407.8
125°	440.5	440.2	440.0	439.7	439.5	439.0	438.5	438.0	437.5	437.3	436.8
127.5°	470.1	469.8	469.4	469.1	468.7	468.1	467.5	466.8	466.2	465.9	465.4
130°	496.5	496.0	495.5	495.0	494.5	494.0	493.5	493.0	492.5	492.3	491.8
132.5°	521.2	520.7	520.2	519.7	519.2	518.8	518.5	518.1	517.8	517.6	517.1
135°	545.9	545.6	545.2	544.9	544.5	544.0	543.5	543.0	542.5	542.3	541.9
137.5°	568.9	568.3	567.7	567.1	566.5	566.3	566.0	565.8	565.5	565.4	564.9
140°	589.9	589.4	588.9	588.4	587.9	587.5	587.1	586.8	586.4	586.2	585.8
142.5°	609.7	609.3	609.0	608.6	608.2	607.8	607.5	607.1	606.8	606.6	606.2
145°	627.9	627.6	627.4	627.1	626.9	626.7	626.4	626.2	625.9	625.8	625.4
147.5°	644.9	644.6	644.4	644.1	643.9	643.7	643.4	643.2	642.9	642.8	642.5
150°	660.3	660.0	659.8	659.5	659.3	659.1	658.8	658.6	658.3	658.2	658.0
152.5°	674.5	674.0	673.5	673.0	672.5	672.4	672.3	672.2	672.1	672.0	671.9
155°	687.0	686.4	685.8	685.2	684.6	684.5	684.3	684.2	684.1	684.0	684.1
157.5°	698.5	697.8	697.1	696.3	695.6	695.7	695.8	695.9	696.0	696.1	696.1
160°	707.8	707.1	706.4	705.6	704.9	705.0	705.2	705.3	705.4	705.5	705.6
162.5°	716.6	715.7	714.9	714.0	713.2	713.3	713.4	713.5	713.6	713.7	713.9
165°	724.2	723.2	722.3	721.3	720.3	720.4	720.6	720.7	720.8	720.9	721.1
167.5°	730.2	729.2	728.3	727.3	726.3	726.3	726.3	726.3	726.3	726.3	726.5
170°	735.2	734.2	733.3	732.3	731.3	731.3	731.3	731.3	731.3	731.3	731.5
172.5°	738.5	737.5	736.6	735.6	734.6	734.5	734.3	734.2	734.1	734.0	734.3
175°	740.8	739.9	739.0	738.2	737.3	737.2	737.1	737.0	736.9	736.8	737.1
177.5°	742.3	741.3	740.4	739.4	738.4	738.3	738.2	738.1	738.0	737.9	738.2
180°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1044.3	1044.3	1044.3	1044.3
2.5°	1022.1	1025.1	1035.2	1047.4
5°	1001.8	1009.9	1024.1	1043.3
7.5°	979.6	991.7	1012.0	1036.2
10°	954.3	971.5	996.8	1027.1
12.5°	927.0	949.2	981.6	1013.0
15°	909.8	932.0	961.4	995.8
17.5°	876.4	902.7	933.0	981.6
20°	842.0	871.3	910.8	959.3
22.5°	815.6	847.0	884.5	936.1
25°	784.3	816.7	857.1	910.8
27.5°	750.9	783.3	828.8	885.5
30°	725.6	756.9	800.5	861.2
32.5°	695.2	725.6	771.1	834.9
35°	660.8	695.2	738.7	803.5
37.5°	634.5	665.9	711.4	773.1
40°	606.2	633.5	678.0	738.7
42.5°	575.8	606.2	644.6	705.3
45°	547.5	569.7	609.2	666.9
47.5°	517.1	542.4	572.8	617.3
50°	484.7	506.0	539.4	569.7
52.5°	453.4	470.6	498.9	522.2
55°	420.0	437.2	458.4	472.6
57.5°	388.6	400.7	414.9	424.0
60°	350.1	362.3	371.4	380.5
62.5°	315.7	324.8	329.9	335.0
65°	280.3	285.4	288.4	292.5
67.5°	241.9	246.9	247.9	254.0
70°	206.4	207.5	209.5	212.5
72.5°	173.0	175.1	174.1	176.1
75°	138.6	140.7	138.6	140.7
77.5°	105.2	107.3	107.3	110.3
80°	75.9	76.9	77.9	77.9
82.5°	49.6	52.6	50.6	51.6
85°	28.3	29.3	29.3	30.4
87.5°	13.2	14.2	13.2	15.2
90°	4.2	2.9	1.7	0.5
92.5°	10.4	11.1	11.9	12.6
95°	18.5	23.5	28.5	33.5
97.5°	50.7	54.2	57.6	61.0
100°	100.2	97.7	95.3	92.9
102.5°	133.9	132.3	130.7	129.1
105°	167.8	166.4	165.1	163.7
107.5°	203.8	202.7	201.6	200.5
110°	240.3	239.3	238.4	237.4

TEST NUMBER: P1010743

CATALOG NUMBER: S123DIP-B775D585UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	275.1	274.2	273.4	272.5
115°	309.3	308.6	307.8	307.1
117.5°	343.7	342.9	342.0	341.2
120°	375.8	374.7	373.6	372.5
122.5°	406.9	406.1	405.2	404.4
125°	435.8	434.9	433.9	432.9
127.5°	464.4	463.5	462.5	461.5
130°	490.8	489.9	488.9	487.9
132.5°	516.1	515.2	514.2	513.2
135°	541.2	540.5	539.7	539.0
137.5°	563.9	563.0	562.0	561.0
140°	585.1	584.4	583.6	582.9
142.5°	605.5	604.8	604.0	603.3
145°	624.5	623.7	622.8	622.0
147.5°	641.9	641.3	640.7	640.1
150°	657.7	657.3	657.0	656.6
152.5°	671.8	671.7	671.5	671.4
155°	684.4	684.6	684.9	685.1
157.5°	696.1	696.1	696.1	696.1
160°	705.7	705.8	705.9	706.0
162.5°	714.3	714.6	715.0	715.4
165°	721.4	721.8	722.1	722.5
167.5°	727.0	727.5	728.0	728.5
170°	732.0	732.5	733.0	733.5
172.5°	734.9	735.6	736.2	736.8
175°	737.7	738.3	738.9	739.5
177.5°	738.8	739.4	740.0	740.6
180°	739.5	739.5	739.5	739.5

(END OF REPORT)