

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: P999159

Luminaire Tested: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999159
REPORT IS A COMBINATION OF REPORTS P984908 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B865D725UB2750-4F0-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

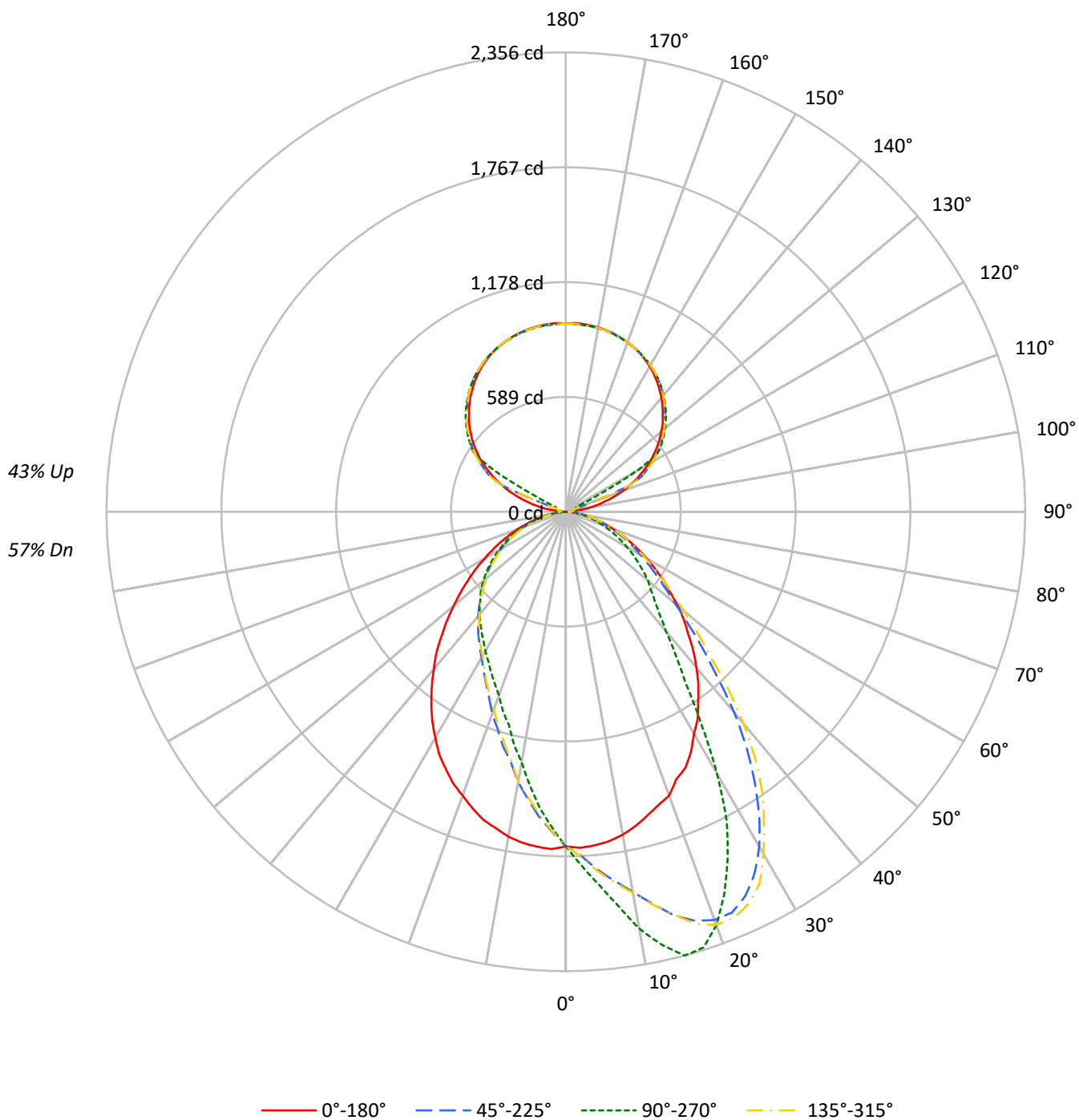
Lumens per Lamp: N/A
Luminaire Lumens: 6618.0 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 67.9
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	101	101	101	101	87	87	87	75	75	75	63	63	63
1	100	96	92	89	93	89	86	83	77	75	73	66	65	63	56	55	54
2	91	84	78	73	85	79	74	69	69	65	61	59	56	54	50	48	46
3	84	75	67	62	78	70	64	59	61	56	52	53	49	46	45	42	40
4	77	66	59	53	72	62	55	50	55	49	45	47	43	40	41	38	35
5	71	60	52	46	66	56	49	44	49	44	39	43	38	35	37	34	31
6	66	54	46	40	61	51	43	38	45	39	35	39	34	31	34	30	28
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	31	27	25
8	57	44	37	32	53	42	35	30	37	32	28	33	28	25	29	25	22
9	53	41	33	28	49	38	32	27	34	29	25	30	26	23	26	23	20
10	49	37	30	26	46	35	29	25	32	26	23	28	24	21	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27163	27163	27163	27163
5°	27228	28962	27333	23041
10°	26912	31616	27080	18997
15°	26259	33348	26624	16002
20°	25850	31312	25850	13908
25°	25027	26900	25140	12438
30°	23670	21146	24123	11266
35°	22469	14623	22845	10307
40°	21089	11040	21330	9543
45°	19387	9073	19704	8719
50°	17916	7962	17947	7981
55°	16238	6785	16342	7181
60°	14450	5667	14647	6268
65°	12848	4609	13082	5351
70°	11251	3616	11537	4317
75°	9443	2626	9812	3131
80°	7369	1663	7896	1858
85°	4845	837	5212	621

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 28078 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	2.5
10°-20°	475.7	7.2
20°-30°	690.4	10.4
30°-40°	727.8	11.0
40°-50°	644.1	9.7
50°-60°	514.3	7.8
60°-70°	349.3	5.3
70°-80°	178.7	2.7
80°-90°	43.9	0.7
90°-100°	31.8	0.5
100°-110°	118.7	1.8
110°-120°	314.7	4.8
120°-130°	522.0	7.9
130°-140°	554.5	8.4
140°-150°	515.4	7.8
150°-160°	414.3	6.3
160°-170°	267.0	4.0
170°-180°	91.9	1.4
0°-30°	1329.6	20.1
0°-40°	2057.4	31.1
0°-60°	3215.7	48.6
0°-90°	3787.7	57.2
90°-120°	465.3	7.0
90°-150°	2057.1	31.1
90°-180°	2830.0	42.8
0°-180°	6618.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1716	1716	1716	1716	1716	
5°	1717	1916	1724	1525	1717	163
15°	1613	2356	1636	1130	1613	456
25°	1450	1963	1456	908	1450	663
35°	1183	1068	1203	753	1183	740
45°	888	644	902	619	888	689
55°	609	452	613	479	609	544
65°	361	278	368	323	361	359
75°	169	137	175	164	169	181
85°	34	36	37	26	34	40
90°	1	19	1	19	1	5
95°	45	30	45	30	45	54
105°	212	53	212	53	212	227
115°	402	57	402	57	402	395
125°	568	597	568	597	568	507
135°	703	726	703	726	703	543
145°	815	828	815	828	815	510
155°	898	898	898	898	898	414
165°	946	944	946	944	946	267
175°	968	962	968	962	968	92
180°	965	965	965	965	965	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1725.2	1729.2	1735.8	1737.1	1750.3	1760.8	1772.7	1772.7	1776.7	1775.3	1764.8
5°	1717.3	1729.2	1746.3	1760.8	1784.6	1795.1	1811.0	1822.8	1833.4	1841.3	1840.0
7.5°	1704.1	1725.2	1750.3	1778.0	1809.6	1828.1	1850.5	1871.6	1886.1	1899.3	1908.6
10°	1681.7	1717.3	1751.6	1788.5	1829.4	1854.5	1880.9	1908.6	1931.0	1956.0	1979.8
12.5°	1651.4	1702.8	1745.0	1793.8	1843.9	1871.6	1913.8	1934.9	1978.5	2041.8	2058.9
15°	1613.1	1683.0	1722.6	1784.6	1850.5	1873.0	1931.0	1965.3	2055.0	2094.5	2142.0
17.5°	1577.5	1655.3	1708.1	1779.3	1843.9	1887.5	1944.2	2014.1	2089.3	2146.0	2198.7
20°	1548.5	1623.7	1687.0	1766.1	1847.9	1903.3	1962.6	2047.1	2128.8	2186.9	2227.8
22.5°	1482.5	1578.8	1652.7	1741.1	1840.0	1916.5	1973.2	2065.5	2153.9	2189.5	2225.1
25°	1449.6	1532.7	1618.4	1718.6	1834.7	1925.7	1974.5	2077.4	2155.2	2168.4	2176.3
27.5°	1388.9	1482.5	1582.8	1697.5	1833.4	1909.9	1971.9	2065.5	2127.5	2118.3	2094.5
30°	1313.7	1428.5	1539.2	1663.2	1814.9	1898.0	1956.0	2041.8	2073.4	2026.0	1983.7
32.5°	1258.3	1366.5	1489.1	1632.9	1793.8	1873.0	1929.7	1996.9	2003.5	1917.8	1846.6
35°	1183.1	1303.2	1441.6	1593.3	1758.2	1829.4	1882.2	1923.1	1891.4	1771.4	1687.0
37.5°	1115.9	1234.6	1382.3	1536.6	1709.4	1779.3	1821.5	1828.1	1750.3	1644.8	1520.8
40°	1042.0	1164.7	1319.0	1481.2	1655.3	1716.0	1742.4	1722.6	1610.5	1487.8	1344.0
42.5°	968.1	1089.5	1255.7	1421.9	1586.7	1638.2	1648.7	1594.6	1457.5	1313.7	1147.5
45°	887.7	1014.3	1180.5	1348.0	1507.6	1536.6	1537.9	1460.1	1297.9	1147.5	993.2
47.5°	821.7	939.1	1104.0	1271.5	1406.0	1425.8	1417.9	1328.2	1151.5	982.6	848.1
50°	749.2	861.3	1024.8	1189.7	1304.5	1309.7	1290.0	1162.0	989.2	834.9	728.1
52.5°	671.4	784.8	935.2	1093.4	1196.3	1188.4	1150.1	1013.0	850.7	722.8	641.0
55°	609.4	709.6	850.7	1005.1	1077.6	1055.2	1013.0	873.2	745.2	637.1	565.8
57.5°	540.8	629.2	767.6	902.2	944.4	923.3	881.1	750.5	631.8	550.0	502.5
60°	476.2	556.6	678.0	790.1	823.0	800.6	751.8	634.4	548.7	480.1	444.5
62.5°	416.8	486.7	588.3	691.1	704.3	681.9	639.7	544.7	470.9	416.8	390.4
65°	361.4	427.3	509.1	586.9	598.8	575.1	531.5	463.0	401.0	366.7	341.6
67.5°	307.3	360.1	432.6	489.3	495.9	473.5	437.9	382.5	344.3	307.3	288.9
70°	259.8	299.4	356.1	402.3	404.9	383.8	365.4	315.2	286.2	259.8	245.3
72.5°	213.7	241.4	284.9	319.2	320.5	307.3	290.2	258.5	233.5	215.0	200.5
75°	168.8	192.6	219.0	249.3	248.0	237.4	224.2	204.4	183.3	171.5	164.9
77.5°	129.3	143.8	164.9	184.7	184.7	179.4	171.5	157.0	143.8	131.9	125.3
80°	92.3	101.6	118.7	125.3	127.9	126.6	120.0	109.5	104.2	95.0	92.3
82.5°	59.4	65.9	73.9	80.5	84.4	81.8	80.5	75.2	67.3	64.6	62.0
85°	34.3	36.9	40.9	44.8	46.2	44.8	47.5	43.5	39.6	39.6	38.3
87.5°	14.5	15.8	18.5	18.5	19.8	19.8	18.5	19.8	19.8	18.5	17.1
90°	0.7	2.4	4.1	5.8	7.5	8.4	9.0	10.3	11.5	12.8	14.0
92.5°	17.5	16.9	16.3	15.6	15.0	14.7	14.9	15.4	15.9	16.3	16.8
95°	45.4	40.3	35.2	30.1	25.0	22.4	22.9	24.0	25.1	26.1	27.2
97.5°	81.7	69.0	56.3	43.6	30.9	24.5	25.7	28.2	30.7	33.1	35.6
100°	123.6	102.3	81.1	59.8	38.5	27.9	29.2	31.9	34.5	37.2	39.8
102.5°	169.8	169.5	169.2	168.9	168.6	168.4	154.3	126.0	97.7	69.5	41.2
105°	212.4	217.0	221.7	226.3	231.0	233.3	212.1	169.7	127.4	85.0	42.6
107.5°	262.0	265.9	269.7	273.6	277.5	279.4	253.2	200.9	148.6	96.3	44.0
110°	309.5	312.7	316.0	319.2	322.5	324.1	301.7	256.8	212.0	167.1	122.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	354.2	357.0	359.8	362.6	365.4	366.8	365.5	362.8	360.2	357.5	354.9
115°	401.7	404.3	407.0	409.6	412.3	413.6	415.5	419.4	423.3	427.1	431.0
117.5°	442.9	446.0	449.1	452.2	455.3	456.9	458.2	460.8	463.5	466.1	468.7
120°	489.0	491.3	493.7	496.0	498.3	499.5	500.9	503.7	506.5	509.3	512.1
122.5°	528.1	530.6	533.1	535.6	538.1	539.3	540.9	544.0	547.1	550.2	553.3
125°	567.9	569.9	571.9	574.0	576.0	577.0	578.5	581.4	584.4	587.3	590.3
127.5°	604.3	606.5	608.6	610.8	612.9	614.0	615.2	617.5	619.8	622.2	624.5
130°	638.5	641.0	643.5	646.0	648.5	649.7	650.6	652.3	654.0	655.7	657.4
132.5°	673.4	675.4	677.4	679.5	681.5	682.5	683.4	685.1	686.8	688.5	690.2
135°	702.8	705.3	707.7	710.2	712.7	713.9	714.6	716.0	717.4	718.8	720.2
137.5°	733.5	735.4	737.2	739.1	741.0	741.9	742.7	744.2	745.8	747.3	748.9
140°	763.5	764.7	766.0	767.2	768.5	769.1	770.0	771.7	773.4	775.1	776.8
142.5°	788.7	789.8	790.9	792.0	793.1	793.6	794.6	796.6	798.7	800.7	802.7
145°	815.2	815.0	814.9	814.7	814.6	814.5	815.8	818.5	821.1	823.8	826.4
147.5°	838.3	837.8	837.4	836.9	836.4	836.2	837.5	840.2	842.8	845.5	848.1
150°	860.6	859.5	858.5	857.4	856.3	855.8	857.0	859.5	862.0	864.4	866.9
152.5°	879.5	878.3	877.0	875.8	874.5	873.9	875.1	877.4	879.7	882.1	884.4
155°	897.7	896.3	894.9	893.5	892.1	891.4	892.3	894.2	896.1	897.9	899.8
157.5°	912.3	911.1	909.8	908.6	907.3	906.7	907.4	908.8	910.2	911.6	913.0
160°	924.9	924.0	923.0	922.1	921.2	920.7	921.2	922.1	923.0	924.0	924.9
162.5°	936.1	935.2	934.2	933.3	932.4	931.9	932.3	933.1	933.8	934.6	935.4
165°	945.9	945.0	944.0	943.1	942.2	941.7	941.9	942.4	942.9	943.3	943.8
167.5°	953.6	952.7	951.7	950.8	949.9	949.4	949.6	950.1	950.6	951.0	951.5
170°	959.8	958.9	957.9	957.0	956.1	955.6	955.8	956.1	956.4	956.7	957.0
172.5°	964.0	963.1	962.1	961.2	960.3	959.8	960.0	960.3	960.6	960.9	961.2
175°	967.5	966.4	965.3	964.2	963.1	962.6	962.8	963.1	963.4	963.7	964.0
177.5°	968.9	967.8	966.7	965.6	964.5	964.0	964.1	964.2	964.4	964.5	964.7
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1783.3	1784.6	1787.2	1800.4	1807.0	1808.3	1803.0	1814.9	1818.9	1814.9	1812.3
5°	1867.7	1875.6	1891.4	1908.6	1907.2	1908.6	1916.5	1924.4	1927.0	1916.5	1920.4
7.5°	1941.5	1957.4	1974.5	2000.9	2000.9	2014.1	2019.4	2026.0	2041.8	2033.9	2031.2
10°	2026.0	2047.1	2078.7	2120.9	2122.2	2135.4	2148.6	2169.7	2176.3	2171.0	2173.7
12.5°	2131.5	2172.4	2175.0	2221.2	2242.3	2244.9	2266.0	2262.0	2275.2	2275.2	2297.7
15°	2177.6	2240.9	2276.6	2321.4	2334.6	2318.8	2335.9	2354.4	2355.7	2355.7	2354.4
17.5°	2260.7	2285.8	2321.4	2345.1	2350.4	2350.4	2351.7	2359.7	2354.4	2343.8	2351.7
20°	2277.9	2288.4	2301.6	2299.0	2301.6	2288.4	2275.2	2262.0	2263.4	2256.8	2276.6
22.5°	2246.2	2243.6	2213.2	2193.5	2193.5	2167.1	2142.0	2130.2	2118.3	2122.2	2128.8
25°	2167.1	2126.2	2089.3	2060.2	2053.7	2011.4	1977.1	1966.6	1946.8	1962.6	1965.3
27.5°	2040.5	1994.3	1934.9	1909.9	1875.6	1858.4	1834.7	1803.0	1762.2	1785.9	1781.9
30°	1904.6	1836.0	1787.2	1726.5	1672.5	1668.5	1623.7	1570.9	1549.8	1549.8	1561.7
32.5°	1752.9	1661.9	1590.7	1505.0	1452.2	1429.8	1375.7	1322.9	1334.8	1295.2	1309.7
35°	1576.2	1456.2	1366.5	1283.4	1243.8	1217.4	1147.5	1118.5	1086.8	1068.4	1102.7
37.5°	1407.4	1268.9	1154.1	1063.1	1048.6	1001.1	953.6	935.2	916.7	924.6	923.3
40°	1201.6	1078.9	976.0	904.8	879.8	857.3	825.7	803.3	791.4	798.0	799.3
42.5°	1015.6	912.7	836.2	786.1	765.0	749.2	733.4	714.9	710.9	710.9	716.2
45°	871.8	787.4	736.0	695.1	683.2	671.4	659.5	651.6	648.9	643.7	647.6
47.5°	757.1	689.8	658.2	627.8	614.6	612.0	601.5	597.5	592.2	590.9	592.2
50°	660.8	618.6	589.6	572.4	563.2	559.2	554.0	546.1	543.4	550.0	547.4
52.5°	593.5	554.0	538.1	521.0	515.7	510.4	502.5	503.8	502.5	499.9	499.9
55°	526.3	501.2	485.4	472.2	470.9	465.6	459.0	456.4	455.0	452.4	456.4
57.5°	472.2	452.4	437.9	426.0	420.8	420.8	414.2	408.9	408.9	407.6	408.9
60°	418.1	398.3	389.1	377.2	373.3	372.0	368.0	365.4	361.4	361.4	361.4
62.5°	368.0	352.2	341.6	331.1	332.4	325.8	320.5	317.9	317.9	319.2	319.2
65°	320.5	310.0	296.8	287.5	284.9	283.6	280.9	279.6	275.7	278.3	278.3
67.5°	277.0	262.5	254.6	250.6	246.6	245.3	242.7	240.1	238.7	237.4	240.1
70°	233.5	221.6	215.0	212.4	208.4	207.1	205.8	201.8	203.1	204.4	205.8
72.5°	193.9	183.3	182.0	174.1	174.1	174.1	168.8	171.5	170.1	167.5	170.1
75°	153.0	147.7	145.1	141.1	142.4	141.1	139.8	135.9	135.9	137.2	138.5
77.5°	121.3	116.1	114.8	110.8	108.2	110.8	108.2	106.8	106.8	108.2	108.2
80°	89.7	87.1	83.1	83.1	83.1	81.8	81.8	81.8	80.5	79.1	80.5
82.5°	59.4	59.4	58.0	56.7	58.0	55.4	56.7	56.7	56.7	56.7	56.7
85°	38.3	36.9	36.9	35.6	35.6	35.6	36.9	34.3	34.3	35.6	35.6
87.5°	17.1	17.1	17.1	18.5	17.1	17.1	17.1	18.5	17.1	17.1	17.1
90°	14.8	15.6	16.3	17.1	17.5	17.7	18.0	18.3	18.6	18.9	18.6
92.5°	17.1	17.4	17.7	18.0	18.2	18.3	18.4	18.6	18.7	18.9	18.7
95°	28.0	28.8	29.5	30.3	30.7	30.6	30.5	30.3	30.2	30.0	30.2
97.5°	36.1	36.5	37.0	37.5	37.7	37.8	37.9	38.1	38.2	38.4	38.2
100°	41.0	42.3	43.5	44.8	45.4	45.6	45.9	46.2	46.5	46.8	46.5
102.5°	42.9	44.6	46.3	48.0	48.9	49.1	49.6	50.1	50.5	51.0	50.5
105°	44.3	46.0	47.7	49.4	50.3	50.6	51.2	51.9	52.5	53.1	52.5
107.5°	45.7	47.4	49.1	50.8	51.7	52.0	52.6	53.3	53.9	54.5	53.9
110°	106.8	91.2	75.7	60.2	52.4	52.7	53.3	54.0	54.6	55.2	54.6

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	288.0	221.1	154.2	87.3	53.8	54.0	54.5	55.0	55.4	55.9	55.4
115°	359.1	287.3	215.4	143.5	107.6	102.0	90.8	79.7	68.5	57.3	68.5
117.5°	446.5	424.3	402.1	379.9	368.8	348.5	307.8	267.1	226.5	185.8	226.5
120°	513.9	515.8	517.6	519.5	520.4	509.9	489.0	468.0	447.1	426.1	447.1
122.5°	554.2	555.2	556.1	557.0	557.5	557.6	557.7	557.9	558.0	558.2	558.0
125°	591.4	592.5	593.6	594.7	595.2	595.4	595.9	596.4	596.8	597.3	596.8
127.5°	626.1	627.6	629.2	630.7	631.5	631.6	631.7	631.9	632.0	632.2	632.0
130°	659.1	660.8	662.5	664.2	665.0	664.9	664.8	664.6	664.5	664.3	664.5
132.5°	691.6	693.0	694.4	695.8	696.5	696.4	696.3	696.1	696.0	695.8	696.0
135°	721.8	723.3	724.9	726.4	727.2	727.0	726.7	726.4	726.1	725.8	726.1
137.5°	750.5	752.0	753.6	755.1	755.9	755.7	755.2	754.7	754.3	753.8	754.3
140°	778.2	779.6	781.0	782.4	783.1	782.7	781.9	781.2	780.4	779.6	780.4
142.5°	803.9	805.2	806.4	807.7	808.3	807.9	807.1	806.4	805.6	804.8	805.6
145°	827.5	828.6	829.7	830.8	831.3	830.9	830.1	829.4	828.6	827.8	828.6
147.5°	848.9	849.7	850.4	851.2	851.6	851.3	850.7	850.0	849.4	848.8	849.4
150°	867.8	868.8	869.7	870.6	871.1	870.7	869.9	869.2	868.4	867.6	868.4
152.5°	885.3	886.3	887.2	888.1	888.6	888.1	887.0	885.9	884.8	883.7	884.8
155°	900.7	901.7	902.6	903.5	904.0	903.4	902.1	900.9	899.6	898.4	899.6
157.5°	914.1	915.2	916.3	917.4	917.9	917.3	916.0	914.8	913.5	912.3	913.5
160°	925.8	926.8	927.7	928.6	929.1	928.6	927.5	926.4	925.3	924.2	925.3
162.5°	936.5	937.6	938.7	939.8	940.3	939.6	938.2	936.8	935.4	934.0	935.4
165°	944.9	946.0	947.1	948.2	948.7	948.2	947.1	946.0	944.9	943.8	944.9
167.5°	952.6	953.6	954.7	955.8	956.3	955.6	954.2	952.9	951.5	950.1	951.5
170°	958.1	959.2	960.3	961.4	961.9	961.2	959.8	958.4	957.0	955.6	957.0
172.5°	962.3	963.4	964.5	965.6	966.1	965.4	964.0	962.6	961.2	959.8	961.2
175°	965.1	966.2	967.3	968.4	968.9	968.1	966.6	965.0	963.5	961.9	963.5
177.5°	965.8	966.9	968.0	969.1	969.6	968.9	967.5	966.1	964.7	963.3	964.7
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1818.9	1809.6	1801.7	1803.0	1809.6	1804.4	1791.2	1774.0	1767.4	1759.5	1767.4
5°	1928.3	1920.4	1904.6	1905.9	1902.0	1896.7	1875.6	1849.2	1849.2	1828.1	1825.5
7.5°	2036.5	2024.6	2014.1	2011.4	1996.9	1986.4	1967.9	1931.0	1916.5	1891.4	1876.9
10°	2157.8	2148.6	2136.7	2122.2	2114.3	2095.9	2065.5	2011.4	1985.1	1950.8	1925.7
12.5°	2280.5	2279.2	2252.8	2223.8	2222.5	2193.5	2172.4	2099.8	2064.2	2018.0	1958.7
15°	2358.3	2351.7	2337.2	2322.7	2326.7	2295.0	2247.5	2161.8	2138.1	2082.7	2019.4
17.5°	2357.0	2357.0	2353.1	2350.4	2346.5	2337.2	2310.9	2254.1	2215.9	2146.0	2086.6
20°	2281.8	2299.0	2302.9	2301.6	2314.8	2321.4	2320.1	2284.5	2254.1	2192.1	2131.5
22.5°	2131.5	2171.0	2188.2	2198.7	2226.4	2240.9	2275.2	2262.0	2254.1	2208.0	2156.5
25°	1991.7	2004.8	2056.3	2058.9	2097.2	2132.8	2167.1	2189.5	2218.5	2201.4	2157.8
27.5°	1811.0	1841.3	1878.2	1905.9	1913.8	1986.4	2043.1	2085.3	2151.3	2156.5	2142.0
30°	1606.5	1621.0	1681.7	1718.6	1760.8	1813.6	1895.4	1967.9	2027.3	2081.3	2099.8
32.5°	1357.2	1416.6	1452.2	1497.0	1534.0	1627.6	1727.9	1821.5	1890.1	1981.1	2020.7
35°	1129.0	1175.2	1235.9	1254.3	1321.6	1400.8	1531.3	1651.4	1755.6	1847.9	1928.3
37.5°	940.4	977.4	1042.0	1071.0	1110.6	1212.1	1321.6	1470.7	1596.0	1709.4	1809.6
40°	811.2	838.9	887.7	896.9	929.9	1022.2	1110.6	1250.4	1416.6	1569.6	1679.1
42.5°	722.8	736.0	769.0	780.8	801.9	863.9	943.1	1075.0	1229.3	1387.6	1541.9
45°	659.5	668.7	688.5	699.1	725.4	753.1	817.8	923.3	1044.6	1204.2	1370.4
47.5°	602.8	614.6	622.6	629.2	643.7	674.0	716.2	794.0	910.1	1056.5	1217.4
50°	555.3	559.2	573.8	575.1	584.3	604.1	643.7	691.1	783.5	902.2	1057.8
52.5°	507.8	511.8	521.0	530.2	534.2	550.0	576.4	616.0	684.6	778.2	916.7
55°	460.3	465.6	474.8	481.4	485.4	498.6	514.4	552.7	606.7	672.7	786.1
57.5°	412.8	424.7	427.3	431.3	437.9	452.4	466.9	489.3	531.5	592.2	675.3
60°	368.0	372.0	381.2	385.1	391.7	399.7	418.1	435.3	465.6	513.1	588.3
62.5°	321.8	331.1	335.0	339.0	344.3	353.5	365.4	383.8	410.2	448.5	507.8
65°	282.3	283.6	291.5	296.8	302.0	308.6	320.5	337.7	353.5	389.1	432.6
67.5°	244.0	246.6	249.3	254.6	261.2	267.8	278.3	287.5	307.3	331.1	365.4
70°	207.1	207.1	213.7	217.6	216.3	224.2	232.1	242.7	257.2	279.6	307.3
72.5°	174.1	172.8	178.1	179.4	182.0	187.3	192.6	203.1	211.0	228.2	249.3
75°	138.5	141.1	143.8	143.8	147.7	151.7	157.0	162.2	171.5	182.0	197.8
77.5°	109.5	109.5	112.1	113.4	117.4	116.1	121.3	126.6	133.2	142.4	154.3
80°	80.5	83.1	83.1	83.1	84.4	85.7	91.0	95.0	98.9	105.5	110.8
82.5°	56.7	56.7	59.4	59.4	59.4	62.0	62.0	63.3	65.9	69.9	73.9
85°	35.6	35.6	35.6	36.9	35.6	36.9	39.6	38.3	39.6	42.2	42.2
87.5°	17.1	17.1	17.1	17.1	17.1	18.5	17.1	18.5	19.8	19.8	19.8
90°	18.3	18.0	17.7	17.5	17.1	16.3	15.6	14.8	14.0	12.8	11.5
92.5°	18.6	18.4	18.3	18.2	18.0	17.7	17.4	17.1	16.8	16.3	15.9
95°	30.3	30.5	30.6	30.7	30.3	29.5	28.8	28.0	27.2	26.1	25.1
97.5°	38.1	37.9	37.8	37.7	37.5	37.0	36.5	36.1	35.6	33.1	30.7
100°	46.2	45.9	45.6	45.4	44.8	43.5	42.3	41.0	39.8	37.2	34.5
102.5°	50.1	49.6	49.1	48.9	48.0	46.3	44.6	42.9	41.2	39.5	37.7
105°	51.9	51.2	50.6	50.3	49.4	47.7	46.0	44.3	42.6	40.0	38.4
107.5°	53.3	52.6	52.0	51.7	50.8	49.1	47.4	45.7	44.0	42.3	40.6
110°	54.0	53.3	52.7	52.4	50.2	48.5	46.8	45.1	43.4	41.7	40.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	55.0	54.5	54.0	53.8	87.3	154.2	221.1	288.0	354.9	357.5	360.2
115°	79.7	90.8	102.0	107.6	143.5	215.4	287.3	359.1	431.0	427.1	423.3
117.5°	267.1	307.8	348.5	368.8	379.9	402.1	424.3	446.5	468.7	466.1	463.5
120°	468.0	489.0	509.9	520.4	519.5	517.6	515.8	513.9	512.1	509.3	506.5
122.5°	557.9	557.7	557.6	557.5	557.0	556.1	555.2	554.2	553.3	550.2	547.1
125°	596.4	595.9	595.4	595.2	594.7	593.6	592.5	591.4	590.3	587.3	584.4
127.5°	631.9	631.7	631.6	631.5	630.7	629.2	627.6	626.1	624.5	622.2	619.8
130°	664.6	664.8	664.9	665.0	664.2	662.5	660.8	659.1	657.4	655.7	654.0
132.5°	696.1	696.3	696.4	696.5	695.8	694.4	693.0	691.6	690.2	688.5	686.8
135°	726.4	726.7	727.0	727.2	726.4	724.9	723.3	721.8	720.2	718.8	717.4
137.5°	754.7	755.2	755.7	755.9	755.1	753.6	752.0	750.5	748.9	747.3	745.8
140°	781.2	781.9	782.7	783.1	782.4	781.0	779.6	778.2	776.8	775.1	773.4
142.5°	806.4	807.1	807.9	808.3	807.7	806.4	805.2	803.9	802.7	800.7	798.7
145°	829.4	830.1	830.9	831.3	830.8	829.7	828.6	827.5	826.4	823.8	821.1
147.5°	850.0	850.7	851.3	851.6	851.2	850.4	849.7	848.9	848.1	845.5	842.8
150°	869.2	869.9	870.7	871.1	870.6	869.7	868.8	867.8	866.9	864.4	862.0
152.5°	885.9	887.0	888.1	888.6	888.1	887.2	886.3	885.3	884.4	882.1	879.7
155°	900.9	902.1	903.4	904.0	903.5	902.6	901.7	900.7	899.8	897.9	896.1
157.5°	914.8	916.0	917.3	917.9	917.4	916.3	915.2	914.1	913.0	911.6	910.2
160°	926.4	927.5	928.6	929.1	928.6	927.7	926.8	925.8	924.9	924.0	923.0
162.5°	936.8	938.2	939.6	940.3	939.8	938.7	937.6	936.5	935.4	934.6	933.8
165°	946.0	947.1	948.2	948.7	948.2	947.1	946.0	944.9	943.8	943.3	942.9
167.5°	952.9	954.2	955.6	956.3	955.8	954.7	953.6	952.6	951.5	951.0	950.6
170°	958.4	959.8	961.2	961.9	961.4	960.3	959.2	958.1	957.0	956.7	956.4
172.5°	962.6	964.0	965.4	966.1	965.6	964.5	963.4	962.3	961.2	960.9	960.6
175°	965.0	966.6	968.1	968.9	968.4	967.3	966.2	965.1	964.0	963.7	963.4
177.5°	966.1	967.5	968.9	969.6	969.1	968.0	966.9	965.8	964.7	964.5	964.4
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1760.8	1754.2	1750.3	1752.9	1745.0	1725.2	1725.2	1731.8	1723.9	1716.0	1704.1
5°	1809.6	1796.4	1788.5	1787.2	1768.8	1737.1	1730.5	1723.9	1706.8	1688.3	1668.5
7.5°	1857.1	1833.4	1820.2	1811.0	1784.6	1743.7	1726.5	1712.0	1684.3	1656.6	1631.6
10°	1896.7	1862.4	1846.6	1832.1	1797.8	1746.3	1718.6	1692.2	1656.6	1621.0	1589.4
12.5°	1928.3	1888.8	1869.0	1847.9	1805.7	1738.4	1704.1	1661.9	1626.3	1578.8	1547.2
15°	1981.1	1899.3	1880.9	1861.1	1817.6	1725.2	1683.0	1635.5	1586.7	1523.4	1489.1
17.5°	2023.3	1913.8	1912.5	1870.3	1813.6	1719.9	1655.3	1593.3	1540.6	1477.3	1423.2
20°	2048.4	1936.3	1915.2	1871.6	1800.4	1684.3	1617.1	1548.5	1491.8	1415.3	1361.2
22.5°	2069.5	1967.9	1912.5	1859.8	1772.7	1672.5	1573.5	1508.9	1431.1	1348.0	1296.6
25°	2077.4	1974.5	1916.5	1855.8	1752.9	1638.2	1526.1	1456.2	1369.1	1293.9	1224.0
27.5°	2078.7	1973.2	1902.0	1838.7	1725.2	1593.3	1478.6	1404.7	1308.4	1221.4	1151.5
30°	2065.5	1958.7	1894.1	1825.5	1698.8	1552.4	1420.5	1338.8	1235.9	1148.8	1076.3
32.5°	2026.0	1929.7	1876.9	1801.7	1664.6	1495.7	1365.1	1274.1	1166.0	1080.2	1010.3
35°	1960.0	1894.1	1836.0	1766.1	1619.7	1443.0	1309.7	1202.9	1093.4	1011.7	945.7
37.5°	1878.2	1842.6	1788.5	1719.9	1568.3	1395.5	1247.8	1129.0	1019.6	940.4	875.8
40°	1767.4	1776.7	1723.9	1661.9	1507.6	1330.8	1167.3	1053.9	951.0	877.1	813.8
42.5°	1647.4	1685.7	1655.3	1596.0	1440.3	1259.6	1107.9	982.6	882.4	805.9	753.1
45°	1518.1	1584.1	1565.6	1522.1	1370.4	1184.4	1023.5	902.2	813.8	739.9	693.8
47.5°	1377.0	1470.7	1470.7	1439.0	1292.6	1109.3	951.0	827.0	739.9	687.2	642.3
50°	1233.2	1338.8	1355.9	1334.8	1205.5	1023.5	862.6	750.5	675.3	623.9	590.9
52.5°	1082.9	1205.5	1237.2	1226.7	1113.2	941.8	790.1	680.6	612.0	567.2	538.1
55°	939.1	1081.6	1115.9	1119.8	1014.3	852.1	709.6	613.3	547.4	517.0	492.0
57.5°	803.3	940.4	978.7	985.3	914.1	770.3	634.4	550.0	490.7	465.6	445.8
60°	687.2	801.9	852.1	866.6	804.6	675.3	564.5	482.7	437.9	414.2	395.7
62.5°	592.2	684.6	737.3	741.3	713.6	592.2	492.0	423.4	385.1	364.0	354.8
65°	499.9	583.0	614.6	630.5	608.0	513.1	424.7	368.0	337.7	319.2	310.0
67.5°	426.0	478.8	505.2	526.3	503.8	432.6	361.4	315.2	292.8	274.3	269.1
70°	349.5	393.1	412.8	433.9	414.2	360.1	308.6	266.4	246.6	232.1	225.5
72.5°	279.6	313.9	332.4	345.6	333.7	288.9	246.6	217.6	203.1	192.6	188.6
75°	221.6	245.3	255.9	265.1	259.8	225.5	199.2	175.4	162.2	153.0	150.4
77.5°	168.8	186.0	197.8	200.5	193.9	171.5	149.0	134.5	124.0	118.7	116.1
80°	120.0	130.6	137.2	141.1	134.5	125.3	109.5	98.9	89.7	83.1	81.8
82.5°	80.5	85.7	91.0	89.7	87.1	79.1	69.9	64.6	60.7	55.4	55.4
85°	46.2	47.5	50.1	51.4	50.1	44.8	39.6	36.9	34.3	30.3	30.3
87.5°	19.8	21.1	21.1	22.4	19.8	19.8	17.1	14.5	14.5	13.2	11.9
90°	10.3	9.0	8.4	7.5	5.8	4.1	2.4	0.7	2.4	4.1	5.8
92.5°	15.4	14.9	14.7	15.0	15.6	16.3	16.9	17.5	16.9	16.3	15.6
95°	24.0	22.9	22.4	25.0	30.1	35.2	40.3	45.4	40.3	35.2	30.1
97.5°	28.2	25.7	24.5	30.9	43.6	56.3	69.0	81.7	69.0	56.3	43.6
100°	31.9	29.2	27.9	38.5	59.8	81.1	102.3	123.6	102.3	81.1	59.8
102.5°	126.0	154.3	168.4	168.6	168.9	169.2	169.5	169.8	169.5	169.2	168.9
105°	169.7	212.1	233.3	231.0	226.3	221.7	217.0	212.4	217.0	221.7	226.3
107.5°	200.9	253.2	279.4	277.5	273.6	269.7	265.9	262.0	265.9	269.7	273.6
110°	256.8	301.7	324.1	322.5	319.2	316.0	312.7	309.5	312.7	316.0	319.2

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	362.8	365.5	366.8	365.4	362.6	359.8	357.0	354.2	357.0	359.8	362.6
115°	419.4	415.5	413.6	412.3	409.6	407.0	404.3	401.7	404.3	407.0	409.6
117.5°	460.8	458.2	456.9	455.3	452.2	449.1	446.0	442.9	446.0	449.1	452.2
120°	503.7	500.9	499.5	498.3	496.0	493.7	491.3	489.0	491.3	493.7	496.0
122.5°	544.0	540.9	539.3	538.1	535.6	533.1	530.6	528.1	530.6	533.1	535.6
125°	581.4	578.5	577.0	576.0	574.0	571.9	569.9	567.9	569.9	571.9	574.0
127.5°	617.5	615.2	614.0	612.9	610.8	608.6	606.5	604.3	606.5	608.6	610.8
130°	652.3	650.6	649.7	648.5	646.0	643.5	641.0	638.5	641.0	643.5	646.0
132.5°	685.1	683.4	682.5	681.5	679.5	677.4	675.4	673.4	675.4	677.4	679.5
135°	716.0	714.6	713.9	712.7	710.2	707.7	705.3	702.8	705.3	707.7	710.2
137.5°	744.2	742.7	741.9	741.0	739.1	737.2	735.4	733.5	735.4	737.2	739.1
140°	771.7	770.0	769.1	768.5	767.2	766.0	764.7	763.5	764.7	766.0	767.2
142.5°	796.6	794.6	793.6	793.1	792.0	790.9	789.8	788.7	789.8	790.9	792.0
145°	818.5	815.8	814.5	814.6	814.7	814.9	815.0	815.2	815.0	814.9	814.7
147.5°	840.2	837.5	836.2	836.4	836.9	837.4	837.8	838.3	837.8	837.4	836.9
150°	859.5	857.0	855.8	856.3	857.4	858.5	859.5	860.6	859.5	858.5	857.4
152.5°	877.4	875.1	873.9	874.5	875.8	877.0	878.3	879.5	878.3	877.0	875.8
155°	894.2	892.3	891.4	892.1	893.5	894.9	896.3	897.7	896.3	894.9	893.5
157.5°	908.8	907.4	906.7	907.3	908.6	909.8	911.1	912.3	911.1	909.8	908.6
160°	922.1	921.2	920.7	921.2	922.1	923.0	924.0	924.9	924.0	923.0	922.1
162.5°	933.1	932.3	931.9	932.4	933.3	934.2	935.2	936.1	935.2	934.2	933.3
165°	942.4	941.9	941.7	942.2	943.1	944.0	945.0	945.9	945.0	944.0	943.1
167.5°	950.1	949.6	949.4	949.9	950.8	951.7	952.7	953.6	952.7	951.7	950.8
170°	956.1	955.8	955.6	956.1	957.0	957.9	958.9	959.8	958.9	957.9	957.0
172.5°	960.3	960.0	959.8	960.3	961.2	962.1	963.1	964.0	963.1	962.1	961.2
175°	963.1	962.8	962.6	963.1	964.2	965.3	966.4	967.5	966.4	965.3	964.2
177.5°	964.2	964.1	964.0	964.5	965.6	966.7	967.8	968.9	967.8	966.7	965.6
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1697.5	1704.1	1702.8	1689.6	1675.1	1663.2	1640.8	1643.4	1635.5	1636.9	1644.8
5°	1655.3	1655.3	1650.0	1631.6	1607.8	1594.6	1569.6	1563.0	1547.2	1545.8	1544.5
7.5°	1610.5	1603.9	1597.3	1570.9	1541.9	1520.8	1486.5	1478.6	1462.7	1452.2	1446.9
10°	1557.7	1548.5	1535.3	1505.0	1469.3	1443.0	1407.4	1396.8	1366.5	1353.3	1345.4
12.5°	1499.7	1494.4	1473.3	1448.2	1390.2	1361.2	1309.7	1320.3	1290.0	1263.6	1259.6
15°	1441.6	1421.9	1410.0	1369.1	1299.2	1286.0	1245.1	1224.0	1196.3	1175.2	1175.2
17.5°	1384.9	1354.6	1328.2	1284.7	1233.2	1196.3	1166.0	1155.4	1121.1	1100.0	1096.1
20°	1309.7	1275.5	1268.9	1206.9	1171.3	1130.4	1101.3	1075.0	1049.9	1040.7	1034.1
22.5°	1238.5	1199.0	1188.4	1135.6	1100.0	1059.1	1030.1	1011.7	993.2	986.6	974.7
25°	1162.0	1138.3	1122.5	1065.7	1026.2	987.9	968.1	954.9	937.8	936.5	928.6
27.5°	1088.2	1065.7	1049.9	995.8	966.8	931.2	915.4	900.9	891.6	887.7	883.7
30°	1024.8	999.8	981.3	941.8	906.1	877.1	863.9	854.7	849.4	842.8	841.5
32.5°	954.9	940.4	915.4	885.0	857.3	829.6	821.7	815.1	807.2	804.6	803.3
35°	895.6	875.8	860.0	825.7	813.8	790.1	780.8	775.6	765.0	762.4	759.7
37.5°	837.6	819.1	801.9	780.8	758.4	745.2	739.9	732.0	726.8	728.1	725.4
40°	779.5	765.0	751.8	729.4	716.2	709.6	699.1	691.1	688.5	689.8	688.5
42.5°	722.8	709.6	701.7	684.6	671.4	664.8	658.2	650.3	654.2	654.2	658.2
45°	671.4	659.5	654.2	641.0	633.1	622.6	616.0	614.6	619.9	618.6	618.6
47.5°	618.6	614.6	608.0	596.2	585.6	579.0	577.7	577.7	583.0	585.6	584.3
50°	577.7	569.8	561.9	552.7	544.7	542.1	538.1	540.8	546.1	546.1	548.7
52.5°	526.3	521.0	518.4	510.4	505.2	505.2	505.2	506.5	510.4	514.4	513.1
55°	481.4	477.5	474.8	470.9	464.3	465.6	464.3	466.9	470.9	474.8	477.5
57.5°	433.9	432.6	430.0	423.4	423.4	422.1	426.0	427.3	433.9	436.6	440.5
60°	391.7	387.8	387.8	382.5	382.5	382.5	386.5	390.4	395.7	397.0	399.7
62.5°	346.9	346.9	345.6	341.6	341.6	345.6	346.9	352.2	354.8	354.8	358.8
65°	304.7	303.4	302.0	303.4	304.7	304.7	308.6	311.3	313.9	315.2	316.6
67.5°	262.5	261.2	263.8	262.5	265.1	270.4	269.1	273.0	277.0	277.0	278.3
70°	222.9	225.5	224.2	226.9	225.5	228.2	232.1	233.5	233.5	234.8	238.7
72.5°	186.0	186.0	186.0	184.7	186.0	188.6	191.3	192.6	195.2	196.5	200.5
75°	150.4	150.4	147.7	150.4	150.4	153.0	155.6	155.6	155.6	158.3	162.2
77.5°	113.4	114.8	113.4	116.1	116.1	117.4	120.0	118.7	121.3	122.7	124.0
80°	83.1	81.8	81.8	81.8	83.1	83.1	85.7	87.1	87.1	91.0	88.4
82.5°	52.8	54.1	52.8	54.1	54.1	55.4	54.1	55.4	56.7	59.4	58.0
85°	30.3	29.0	29.0	30.3	29.0	29.0	30.3	29.0	30.3	29.0	30.3
87.5°	11.9	10.6	10.6	10.6	10.6	9.2	9.2	7.9	7.9	7.9	6.6
90°	7.5	8.4	9.0	10.3	11.5	12.8	14.0	14.8	15.6	16.3	17.1
92.5°	15.0	14.7	14.9	15.4	15.9	16.3	16.8	17.1	17.4	17.7	18.0
95°	25.0	22.4	22.9	24.0	25.1	26.1	27.2	28.0	28.8	29.5	30.3
97.5°	30.9	24.5	25.7	28.2	30.7	33.1	35.6	36.1	36.5	37.0	37.5
100°	38.5	27.9	29.2	31.9	34.5	37.2	39.8	41.0	42.3	43.5	44.8
102.5°	168.6	168.4	154.3	126.0	97.7	69.5	41.2	42.9	44.6	46.3	48.0
105°	231.0	233.3	212.1	169.7	127.4	85.0	42.6	44.3	46.0	47.7	49.4
107.5°	277.5	279.4	253.2	200.9	148.6	96.3	44.0	45.7	47.4	49.1	50.8
110°	322.5	324.1	301.7	256.8	212.0	167.1	122.3	106.8	91.2	75.7	60.2

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	365.4	366.8	365.5	362.8	360.2	357.5	354.9	288.0	221.1	154.2	87.3
115°	412.3	413.6	415.5	419.4	423.3	427.1	431.0	359.1	287.3	215.4	143.5
117.5°	455.3	456.9	458.2	460.8	463.5	466.1	468.7	446.5	424.3	402.1	379.9
120°	498.3	499.5	500.9	503.7	506.5	509.3	512.1	513.9	515.8	517.6	519.5
122.5°	538.1	539.3	540.9	544.0	547.1	550.2	553.3	554.2	555.2	556.1	557.0
125°	576.0	577.0	578.5	581.4	584.4	587.3	590.3	591.4	592.5	593.6	594.7
127.5°	612.9	614.0	615.2	617.5	619.8	622.2	624.5	626.1	627.6	629.2	630.7
130°	648.5	649.7	650.6	652.3	654.0	655.7	657.4	659.1	660.8	662.5	664.2
132.5°	681.5	682.5	683.4	685.1	686.8	688.5	690.2	691.6	693.0	694.4	695.8
135°	712.7	713.9	714.6	716.0	717.4	718.8	720.2	721.8	723.3	724.9	726.4
137.5°	741.0	741.9	742.7	744.2	745.8	747.3	748.9	750.5	752.0	753.6	755.1
140°	768.5	769.1	770.0	771.7	773.4	775.1	776.8	778.2	779.6	781.0	782.4
142.5°	793.1	793.6	794.6	796.6	798.7	800.7	802.7	803.9	805.2	806.4	807.7
145°	814.6	814.5	815.8	818.5	821.1	823.8	826.4	827.5	828.6	829.7	830.8
147.5°	836.4	836.2	837.5	840.2	842.8	845.5	848.1	848.9	849.7	850.4	851.2
150°	856.3	855.8	857.0	859.5	862.0	864.4	866.9	867.8	868.8	869.7	870.6
152.5°	874.5	873.9	875.1	877.4	879.7	882.1	884.4	885.3	886.3	887.2	888.1
155°	892.1	891.4	892.3	894.2	896.1	897.9	899.8	900.7	901.7	902.6	903.5
157.5°	907.3	906.7	907.4	908.8	910.2	911.6	913.0	914.1	915.2	916.3	917.4
160°	921.2	920.7	921.2	922.1	923.0	924.0	924.9	925.8	926.8	927.7	928.6
162.5°	932.4	931.9	932.3	933.1	933.8	934.6	935.4	936.5	937.6	938.7	939.8
165°	942.2	941.7	941.9	942.4	942.9	943.3	943.8	944.9	946.0	947.1	948.2
167.5°	949.9	949.4	949.6	950.1	950.6	951.0	951.5	952.6	953.6	954.7	955.8
170°	956.1	955.6	955.8	956.1	956.4	956.7	957.0	958.1	959.2	960.3	961.4
172.5°	960.3	959.8	960.0	960.3	960.6	960.9	961.2	962.3	963.4	964.5	965.6
175°	963.1	962.6	962.8	963.1	963.4	963.7	964.0	965.1	966.2	967.3	968.4
177.5°	964.5	964.0	964.1	964.2	964.4	964.5	964.7	965.8	966.9	968.0	969.1
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1635.5	1639.5	1630.3	1627.6	1630.3	1621.0	1623.7	1626.3	1626.3	1630.3	1632.9
5°	1540.6	1535.3	1526.1	1523.4	1520.8	1524.7	1522.1	1526.1	1527.4	1536.6	1537.9
7.5°	1446.9	1439.0	1431.1	1423.2	1420.5	1413.9	1420.5	1420.5	1429.8	1427.1	1433.7
10°	1336.1	1334.8	1324.3	1320.3	1315.0	1304.5	1319.0	1315.0	1321.6	1333.5	1336.1
12.5°	1254.3	1239.8	1246.4	1228.0	1234.6	1224.0	1225.3	1225.3	1235.9	1237.2	1234.6
15°	1176.5	1164.7	1147.5	1139.6	1135.6	1130.4	1147.5	1148.8	1140.9	1159.4	1152.8
17.5°	1097.4	1097.4	1081.6	1077.6	1067.1	1072.3	1069.7	1071.0	1068.4	1081.6	1088.2
20°	1028.8	1022.2	1016.9	1018.3	1005.1	1002.4	999.8	1002.4	1011.7	1020.9	1023.5
22.5°	973.4	969.4	956.3	958.9	948.3	952.3	949.7	956.3	957.6	957.6	966.8
25°	920.6	915.4	916.7	911.4	907.5	907.5	903.5	907.5	912.7	915.4	916.7
27.5°	881.1	877.1	870.5	866.6	869.2	862.6	867.9	871.8	871.8	869.2	871.8
30°	833.6	836.2	836.2	823.0	828.3	825.7	829.6	832.3	832.3	833.6	831.0
32.5°	801.9	794.0	792.7	791.4	791.4	786.1	786.1	790.1	791.4	792.7	796.7
35°	759.7	759.7	753.1	757.1	751.8	753.1	751.8	753.1	755.8	751.8	755.8
37.5°	721.5	722.8	720.2	722.8	724.1	721.5	718.8	724.1	721.5	721.5	718.8
40°	688.5	687.2	688.5	688.5	688.5	689.8	687.2	687.2	687.2	684.6	681.9
42.5°	660.8	652.9	655.5	656.9	652.9	652.9	654.2	652.9	656.9	648.9	648.9
45°	621.2	618.6	619.9	619.9	622.6	618.6	621.2	622.6	618.6	617.3	614.6
47.5°	585.6	588.3	585.6	588.3	588.3	590.9	585.6	586.9	588.3	583.0	579.0
50°	550.0	550.0	554.0	552.7	554.0	551.3	551.3	550.0	551.3	548.7	544.7
52.5°	517.0	513.1	519.7	518.4	517.0	515.7	514.4	515.7	513.1	510.4	510.4
55°	476.2	476.2	480.1	481.4	481.4	478.8	476.2	477.5	476.2	474.8	473.5
57.5°	443.2	437.9	440.5	441.9	441.9	437.9	440.5	437.9	437.9	439.2	435.3
60°	401.0	401.0	398.3	402.3	402.3	399.7	399.7	401.0	398.3	397.0	395.7
62.5°	356.1	357.4	361.4	362.7	364.0	361.4	358.8	360.1	360.1	356.1	357.4
65°	317.9	320.5	325.8	324.5	321.8	323.1	320.5	321.8	317.9	319.2	315.2
67.5°	280.9	279.6	280.9	280.9	283.6	282.3	279.6	279.6	278.3	282.3	278.3
70°	241.4	241.4	241.4	241.4	242.7	244.0	241.4	238.7	240.1	237.4	236.1
72.5°	200.5	201.8	200.5	203.1	199.2	201.8	201.8	200.5	199.2	199.2	199.2
75°	162.2	164.9	160.9	162.2	160.9	163.6	162.2	162.2	159.6	158.3	159.6
77.5°	124.0	125.3	122.7	124.0	122.7	124.0	124.0	122.7	122.7	122.7	122.7
80°	88.4	89.7	88.4	87.1	85.7	88.4	85.7	87.1	88.4	87.1	89.7
82.5°	56.7	56.7	55.4	56.7	54.1	54.1	55.4	55.4	54.1	56.7	54.1
85°	27.7	27.7	30.3	27.7	26.4	26.4	26.4	27.7	26.4	29.0	27.7
87.5°	6.6	5.3	6.6	6.6	5.3	5.3	6.6	5.3	6.6	7.9	5.3
90°	17.5	17.7	18.0	18.3	18.6	18.9	18.6	18.3	18.0	17.7	17.5
92.5°	18.2	18.3	18.4	18.6	18.7	18.9	18.7	18.6	18.4	18.3	18.2
95°	30.7	30.6	30.5	30.3	30.2	30.0	30.2	30.3	30.5	30.6	30.7
97.5°	37.7	37.8	37.9	38.1	38.2	38.4	38.2	38.1	37.9	37.8	37.7
100°	45.4	45.6	45.9	46.2	46.5	46.8	46.5	46.2	45.9	45.6	45.4
102.5°	48.9	49.1	49.6	50.1	50.5	51.0	50.5	50.1	49.6	49.1	48.9
105°	50.3	50.6	51.2	51.9	52.5	53.1	52.5	51.9	51.2	50.6	50.3
107.5°	51.7	52.0	52.6	53.3	53.9	54.5	53.9	53.3	52.6	52.0	51.7
110°	52.4	52.7	53.3	54.0	54.6	55.2	54.6	54.0	53.3	52.7	52.4

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	53.8	54.0	54.5	55.0	55.4	55.9	55.4	55.0	54.5	54.0	53.8
115°	107.6	102.0	90.8	79.7	68.5	57.3	68.5	79.7	90.8	102.0	107.6
117.5°	368.8	348.5	307.8	267.1	226.5	185.8	226.5	267.1	307.8	348.5	368.8
120°	520.4	509.9	489.0	468.0	447.1	426.1	447.1	468.0	489.0	509.9	520.4
122.5°	557.5	557.6	557.7	557.9	558.0	558.2	558.0	557.9	557.7	557.6	557.5
125°	595.2	595.4	595.9	596.4	596.8	597.3	596.8	596.4	595.9	595.4	595.2
127.5°	631.5	631.6	631.7	631.9	632.0	632.2	632.0	631.9	631.7	631.6	631.5
130°	665.0	664.9	664.8	664.6	664.5	664.3	664.5	664.6	664.8	664.9	665.0
132.5°	696.5	696.4	696.3	696.1	696.0	695.8	696.0	696.1	696.3	696.4	696.5
135°	727.2	727.0	726.7	726.4	726.1	725.8	726.1	726.4	726.7	727.0	727.2
137.5°	755.9	755.7	755.2	754.7	754.3	753.8	754.3	754.7	755.2	755.7	755.9
140°	783.1	782.7	781.9	781.2	780.4	779.6	780.4	781.2	781.9	782.7	783.1
142.5°	808.3	807.9	807.1	806.4	805.6	804.8	805.6	806.4	807.1	807.9	808.3
145°	831.3	830.9	830.1	829.4	828.6	827.8	828.6	829.4	830.1	830.9	831.3
147.5°	851.6	851.3	850.7	850.0	849.4	848.8	849.4	850.0	850.7	851.3	851.6
150°	871.1	870.7	869.9	869.2	868.4	867.6	868.4	869.2	869.9	870.7	871.1
152.5°	888.6	888.1	887.0	885.9	884.8	883.7	884.8	885.9	887.0	888.1	888.6
155°	904.0	903.4	902.1	900.9	899.6	898.4	899.6	900.9	902.1	903.4	904.0
157.5°	917.9	917.3	916.0	914.8	913.5	912.3	913.5	914.8	916.0	917.3	917.9
160°	929.1	928.6	927.5	926.4	925.3	924.2	925.3	926.4	927.5	928.6	929.1
162.5°	940.3	939.6	938.2	936.8	935.4	934.0	935.4	936.8	938.2	939.6	940.3
165°	948.7	948.2	947.1	946.0	944.9	943.8	944.9	946.0	947.1	948.2	948.7
167.5°	956.3	955.6	954.2	952.9	951.5	950.1	951.5	952.9	954.2	955.6	956.3
170°	961.9	961.2	959.8	958.4	957.0	955.6	957.0	958.4	959.8	961.2	961.9
172.5°	966.1	965.4	964.0	962.6	961.2	959.8	961.2	962.6	964.0	965.4	966.1
175°	968.9	968.1	966.6	965.0	963.5	961.9	963.5	965.0	966.6	968.1	968.9
177.5°	969.6	968.9	967.5	966.1	964.7	963.3	964.7	966.1	967.5	968.9	969.6
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1628.9	1639.5	1635.5	1621.0	1638.2	1638.2	1650.0	1650.0	1664.6	1669.8	1677.7
5°	1536.6	1544.5	1551.1	1544.5	1556.4	1574.9	1585.4	1594.6	1614.4	1622.3	1634.2
7.5°	1437.7	1452.2	1458.8	1458.8	1478.6	1499.7	1520.8	1534.0	1561.7	1572.2	1584.1
10°	1341.4	1358.5	1371.7	1370.4	1403.4	1416.6	1443.0	1473.3	1501.0	1516.8	1534.0
12.5°	1239.8	1249.1	1267.5	1293.9	1301.8	1325.6	1355.9	1394.2	1444.3	1458.8	1483.9
15°	1155.4	1180.5	1195.0	1206.9	1225.3	1247.8	1280.7	1317.7	1367.8	1399.4	1425.8
17.5°	1084.2	1117.2	1126.4	1123.8	1147.5	1181.8	1220.1	1247.8	1292.6	1330.8	1355.9
20°	1026.2	1039.4	1055.2	1061.8	1080.2	1117.2	1154.1	1185.8	1222.7	1253.0	1282.0
22.5°	968.1	978.7	991.9	1003.7	1018.3	1039.4	1075.0	1114.5	1150.1	1179.2	1212.1
25°	920.6	927.2	939.1	948.3	964.2	978.7	1003.7	1047.3	1089.5	1106.6	1135.6
27.5°	874.5	879.8	887.7	898.2	906.1	920.6	943.1	978.7	1022.2	1039.4	1078.9
30°	833.6	837.6	845.5	850.7	854.7	871.8	889.0	916.7	949.7	973.4	1002.4
32.5°	795.3	799.3	807.2	808.5	813.8	823.0	838.9	863.9	892.9	912.7	937.8
35°	753.1	755.8	763.7	766.3	770.3	778.2	790.1	808.5	834.9	849.4	871.8
37.5°	720.2	718.8	724.1	728.1	733.4	737.3	741.3	759.7	779.5	792.7	809.9
40°	684.6	681.9	683.2	688.5	691.1	696.4	696.4	714.9	728.1	738.6	751.8
42.5°	648.9	647.6	645.0	647.6	650.3	651.6	652.9	666.1	679.3	688.5	703.0
45°	613.3	612.0	609.4	610.7	610.7	613.3	617.3	622.6	631.8	639.7	647.6
47.5°	580.4	577.7	573.8	572.4	575.1	575.1	575.1	580.4	589.6	592.2	600.1
50°	546.1	542.1	536.8	534.2	534.2	532.9	535.5	536.8	544.7	547.4	554.0
52.5°	509.1	506.5	501.2	495.9	497.3	494.6	495.9	497.3	499.9	503.8	507.8
55°	472.2	466.9	463.0	461.6	457.7	457.7	453.7	459.0	457.7	459.0	464.3
57.5°	436.6	431.3	424.7	422.1	418.1	416.8	414.2	412.8	414.2	418.1	422.1
60°	394.4	391.7	387.8	383.8	381.2	377.2	374.6	374.6	373.3	373.3	374.6
62.5°	353.5	352.2	346.9	345.6	342.9	340.3	336.3	333.7	333.7	336.3	337.7
65°	313.9	312.6	308.6	307.3	300.7	298.1	296.8	295.5	292.8	292.8	292.8
67.5°	277.0	273.0	273.0	266.4	261.2	258.5	255.9	254.6	254.6	254.6	255.9
70°	236.1	236.1	232.1	228.2	222.9	224.2	220.3	216.3	216.3	213.7	215.0
72.5°	196.5	195.2	191.3	189.9	186.0	182.0	179.4	182.0	178.1	176.7	178.1
75°	158.3	157.0	154.3	151.7	153.0	149.0	145.1	143.8	143.8	141.1	141.1
77.5°	121.3	124.0	118.7	117.4	114.8	112.1	110.8	109.5	109.5	109.5	112.1
80°	84.4	85.7	85.7	83.1	84.4	80.5	80.5	80.5	76.5	77.8	79.1
82.5°	54.1	54.1	52.8	54.1	52.8	52.8	51.4	51.4	50.1	50.1	51.4
85°	30.3	29.0	27.7	30.3	29.0	29.0	27.7	27.7	27.7	27.7	27.7
87.5°	6.6	7.9	7.9	7.9	7.9	9.2	9.2	9.2	10.6	10.6	10.6
90°	17.1	16.3	15.6	14.8	14.0	12.8	11.5	10.3	9.0	8.4	7.5
92.5°	18.0	17.7	17.4	17.1	16.8	16.3	15.9	15.4	14.9	14.7	15.0
95°	30.3	29.5	28.8	28.0	27.2	26.1	25.1	24.0	22.9	22.4	25.0
97.5°	37.5	37.0	36.5	36.1	35.6	33.1	30.7	28.2	25.7	24.5	30.9
100°	44.8	43.5	42.3	41.0	39.8	37.2	34.5	31.9	29.2	27.9	38.5
102.5°	48.0	46.3	44.6	42.9	41.2	69.5	97.7	126.0	154.3	168.4	168.6
105°	49.4	47.7	46.0	44.3	42.6	85.0	127.4	169.7	212.1	233.3	231.0
107.5°	50.8	49.1	47.4	45.7	44.0	96.3	148.6	200.9	253.2	279.4	277.5
110°	60.2	75.7	91.2	106.8	122.3	167.1	212.0	256.8	301.7	324.1	322.5

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	87.3	154.2	221.1	288.0	354.9	357.5	360.2	362.8	365.5	366.8	365.4
115°	143.5	215.4	287.3	359.1	431.0	427.1	423.3	419.4	415.5	413.6	412.3
117.5°	379.9	402.1	424.3	446.5	468.7	466.1	463.5	460.8	458.2	456.9	455.3
120°	519.5	517.6	515.8	513.9	512.1	509.3	506.5	503.7	500.9	499.5	498.3
122.5°	557.0	556.1	555.2	554.2	553.3	550.2	547.1	544.0	540.9	539.3	538.1
125°	594.7	593.6	592.5	591.4	590.3	587.3	584.4	581.4	578.5	577.0	576.0
127.5°	630.7	629.2	627.6	626.1	624.5	622.2	619.8	617.5	615.2	614.0	612.9
130°	664.2	662.5	660.8	659.1	657.4	655.7	654.0	652.3	650.6	649.7	648.5
132.5°	695.8	694.4	693.0	691.6	690.2	688.5	686.8	685.1	683.4	682.5	681.5
135°	726.4	724.9	723.3	721.8	720.2	718.8	717.4	716.0	714.6	713.9	712.7
137.5°	755.1	753.6	752.0	750.5	748.9	747.3	745.8	744.2	742.7	741.9	741.0
140°	782.4	781.0	779.6	778.2	776.8	775.1	773.4	771.7	770.0	769.1	768.5
142.5°	807.7	806.4	805.2	803.9	802.7	800.7	798.7	796.6	794.6	793.6	793.1
145°	830.8	829.7	828.6	827.5	826.4	823.8	821.1	818.5	815.8	814.5	814.6
147.5°	851.2	850.4	849.7	848.9	848.1	845.5	842.8	840.2	837.5	836.2	836.4
150°	870.6	869.7	868.8	867.8	866.9	864.4	862.0	859.5	857.0	855.8	856.3
152.5°	888.1	887.2	886.3	885.3	884.4	882.1	879.7	877.4	875.1	873.9	874.5
155°	903.5	902.6	901.7	900.7	899.8	897.9	896.1	894.2	892.3	891.4	892.1
157.5°	917.4	916.3	915.2	914.1	913.0	911.6	910.2	908.8	907.4	906.7	907.3
160°	928.6	927.7	926.8	925.8	924.9	924.0	923.0	922.1	921.2	920.7	921.2
162.5°	939.8	938.7	937.6	936.5	935.4	934.6	933.8	933.1	932.3	931.9	932.4
165°	948.2	947.1	946.0	944.9	943.8	943.3	942.9	942.4	941.9	941.7	942.2
167.5°	955.8	954.7	953.6	952.6	951.5	951.0	950.6	950.1	949.6	949.4	949.9
170°	961.4	960.3	959.2	958.1	957.0	956.7	956.4	956.1	955.8	955.6	956.1
172.5°	965.6	964.5	963.4	962.3	961.2	960.9	960.6	960.3	960.0	959.8	960.3
175°	968.4	967.3	966.2	965.1	964.0	963.7	963.4	963.1	962.8	962.6	963.1
177.5°	969.1	968.0	966.9	965.8	964.7	964.5	964.4	964.2	964.1	964.0	964.5
180°	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4	965.4

TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1716.0	1716.0	1716.0	1716.0
2.5°	1684.3	1684.3	1704.1	1725.2
5°	1647.4	1656.6	1688.3	1717.3
7.5°	1611.8	1627.6	1667.2	1704.1
10°	1568.3	1589.4	1638.2	1681.7
12.5°	1526.1	1545.8	1602.6	1651.4
15°	1466.7	1491.8	1552.4	1613.1
17.5°	1407.4	1432.4	1506.3	1577.5
20°	1337.4	1370.4	1453.5	1548.5
22.5°	1272.8	1313.7	1406.0	1482.5
25°	1201.6	1264.9	1350.6	1449.6
27.5°	1138.3	1201.6	1288.6	1388.9
30°	1067.1	1131.7	1221.4	1313.7
32.5°	998.5	1057.8	1144.9	1258.3
35°	927.2	984.0	1068.4	1183.1
37.5°	862.6	918.0	1010.3	1115.9
40°	799.3	857.3	936.5	1042.0
42.5°	739.9	791.4	862.6	968.1
45°	685.9	722.8	788.7	887.7
47.5°	629.2	662.1	722.8	821.7
50°	576.4	604.1	656.9	749.2
52.5°	525.0	548.7	597.5	671.4
55°	478.8	501.2	536.8	609.4
57.5°	431.3	448.5	482.7	540.8
60°	385.1	401.0	428.7	476.2
62.5°	339.0	352.2	378.5	416.8
65°	298.1	308.6	328.4	361.4
67.5°	258.5	265.1	280.9	307.3
70°	220.3	225.5	238.7	259.8
72.5°	179.4	184.7	199.2	213.7
75°	145.1	146.4	157.0	168.8
77.5°	113.4	112.1	120.0	129.3
80°	77.8	81.8	88.4	92.3
82.5°	52.8	54.1	56.7	59.4
85°	29.0	30.3	30.3	34.3
87.5°	11.9	13.2	13.2	14.5
90°	5.8	4.1	2.4	0.7
92.5°	15.6	16.3	16.9	17.5
95°	30.1	35.2	40.3	45.4
97.5°	43.6	56.3	69.0	81.7
100°	59.8	81.1	102.3	123.6
102.5°	168.9	169.2	169.5	169.8
105°	226.3	221.7	217.0	212.4
107.5°	273.6	269.7	265.9	262.0
110°	319.2	316.0	312.7	309.5



TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	362.6	359.8	357.0	354.2
115°	409.6	407.0	404.3	401.7
117.5°	452.2	449.1	446.0	442.9
120°	496.0	493.7	491.3	489.0
122.5°	535.6	533.1	530.6	528.1
125°	574.0	571.9	569.9	567.9
127.5°	610.8	608.6	606.5	604.3
130°	646.0	643.5	641.0	638.5
132.5°	679.5	677.4	675.4	673.4
135°	710.2	707.7	705.3	702.8
137.5°	739.1	737.2	735.4	733.5
140°	767.2	766.0	764.7	763.5
142.5°	792.0	790.9	789.8	788.7
145°	814.7	814.9	815.0	815.2
147.5°	836.9	837.4	837.8	838.3
150°	857.4	858.5	859.5	860.6
152.5°	875.8	877.0	878.3	879.5
155°	893.5	894.9	896.3	897.7
157.5°	908.6	909.8	911.1	912.3
160°	922.1	923.0	924.0	924.9
162.5°	933.3	934.2	935.2	936.1
165°	943.1	944.0	945.0	945.9
167.5°	950.8	951.7	952.7	953.6
170°	957.0	957.9	958.9	959.8
172.5°	961.2	962.1	963.1	964.0
175°	964.2	965.3	966.4	967.5
177.5°	965.6	966.7	967.8	968.9
180°	965.4	965.4	965.4	965.4



TEST NUMBER: P999159

CATALOG NUMBER: SA2XXDIP-B865D725UB2750-4F0-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	17.97	18.86	18.87	19.77	20.94	15.46	16.35	16.36	17.26	18.43
	3H	18.78	19.58	19.69	20.50	21.69	16.81	17.60	17.72	18.53	19.72
	4H	18.95	19.70	19.88	20.63	21.83	17.27	18.02	18.20	18.95	20.15
	6H	19.00	19.69	19.94	20.63	21.84	17.58	18.27	18.52	19.21	20.42
	8H	18.98	19.64	19.92	20.59	21.80	17.66	18.32	18.61	19.27	20.49
	12H	18.94	19.57	19.89	20.51	21.75	17.71	18.33	18.66	19.28	20.52
4H	2H	18.01	18.76	18.94	19.69	20.89	15.91	16.66	16.84	17.59	18.79
	3H	18.99	19.62	19.94	20.58	21.80	17.37	18.00	18.32	18.96	20.17
	4H	19.27	19.84	20.22	20.80	22.04	17.91	18.48	18.86	19.43	20.67
	6H	19.40	19.89	20.37	20.87	22.11	18.29	18.78	19.25	19.76	21.00
	8H	19.40	19.86	20.37	20.83	22.09	18.40	18.86	19.37	19.83	21.08
	12H	19.37	19.78	20.35	20.77	22.03	18.46	18.87	19.44	19.86	21.12
8H	4H	19.28	19.74	20.25	20.71	21.97	18.05	18.51	19.02	19.48	20.74
	6H	19.46	19.84	20.46	20.85	22.11	18.49	18.87	19.48	19.88	21.13
	8H	19.49	19.83	20.50	20.83	22.10	18.64	18.97	19.64	19.97	21.25
	12H	19.48	19.77	20.48	20.77	22.09	18.73	19.03	19.74	20.02	21.34
12H	4H	19.24	19.65	20.23	20.64	21.90	18.03	18.44	19.01	19.43	20.69
	6H	19.44	19.78	20.44	20.78	22.05	18.49	18.82	19.49	19.82	21.10
	8H	19.48	19.77	20.48	20.76	22.08	18.65	18.94	19.65	19.94	21.25