

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: P998012

Luminaire Tested: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P998012
REPORT IS A COMBINATION OF REPORTS P983749 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

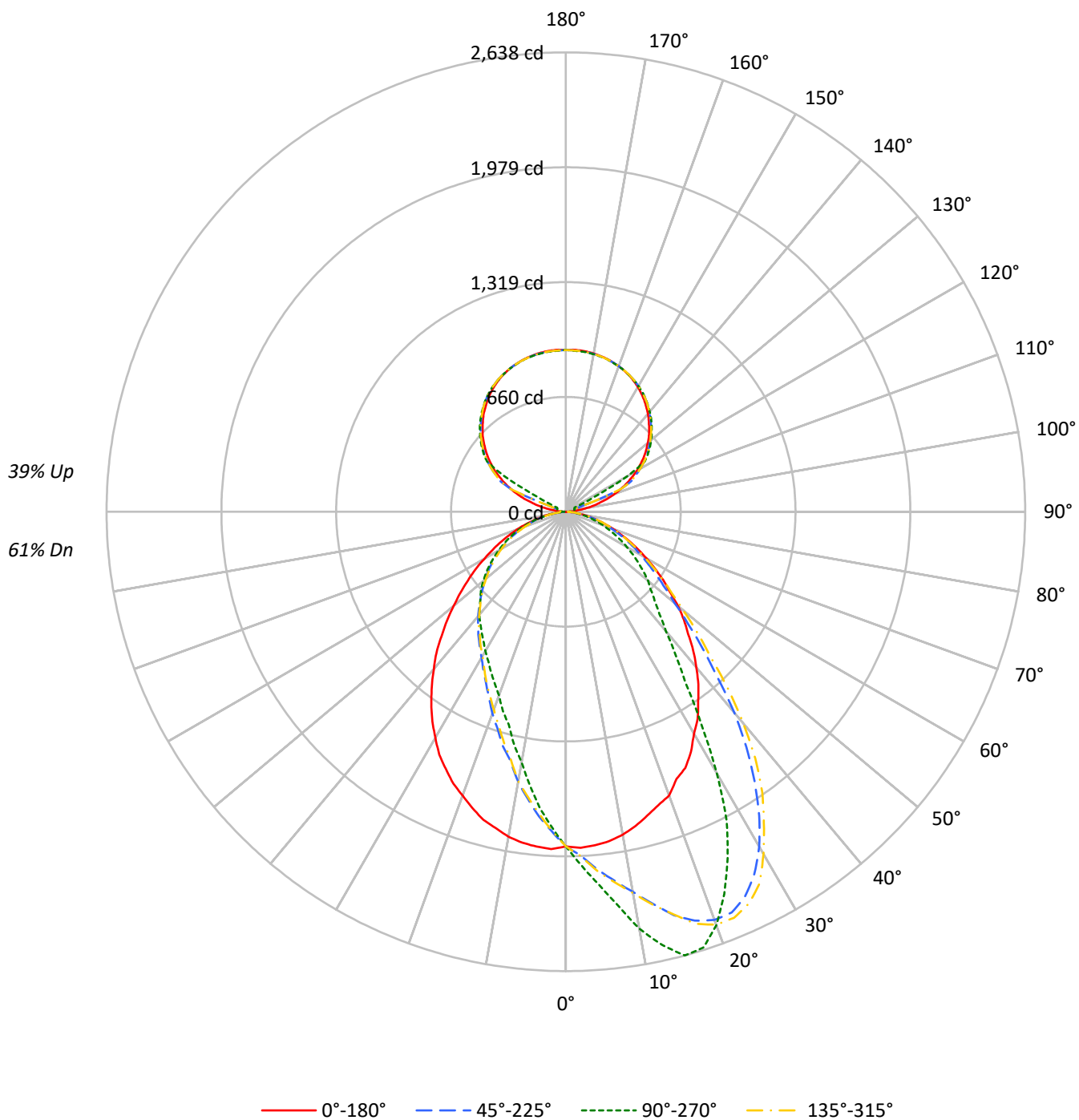
Lumens per Lamp: N/A
Luminaire Lumens: 6962.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 82.4
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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66
1	101	97	93	90	94	91	87	84	79	77	75	69	67	66	59	58	57
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49
3	85	75	68	63	79	71	65	59	62	58	54	55	51	48	47	45	42
4	78	67	59	53	73	63	56	51	56	51	46	49	45	42	43	40	37
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	33
6	66	54	46	41	62	51	44	39	46	40	36	40	36	32	36	32	29
7	61	49	41	36	57	47	40	34	42	36	32	37	32	29	33	29	26
8	57	45	37	32	54	43	36	31	38	32	28	34	29	26	30	26	24
9	53	41	34	29	50	39	32	28	35	30	26	31	27	24	28	24	21
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30413	30413	30413	30413
5°	30486	32427	30603	25799
10°	30132	35400	30321	21271
15°	29401	37339	29809	17916
20°	28943	35058	28943	15573
25°	28020	30119	28148	13925
30°	26503	23676	27007	12614
35°	25158	16372	25578	11542
40°	23613	12361	23882	10686
45°	21707	10158	22061	9762
50°	20059	8915	20095	8937
55°	18181	7596	18298	8040
60°	16177	6345	16401	7017
65°	14383	5161	14646	5992
70°	12598	4049	12919	4833
75°	10573	2940	10987	3505
80°	8255	1863	8846	2079
85°	5424	938	5848	694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 31439 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	2.6
10°-20°	532.6	7.7
20°-30°	773.0	11.1
30°-40°	814.9	11.7
40°-50°	721.1	10.4
50°-60°	575.8	8.3
60°-70°	391.1	5.6
70°-80°	200.1	2.9
80°-90°	48.9	0.7
90°-100°	30.6	0.4
100°-110°	114.1	1.6
110°-120°	302.6	4.3
120°-130°	501.9	7.2
130°-140°	533.2	7.7
140°-150°	495.5	7.1
150°-160°	398.4	5.7
160°-170°	256.7	3.7
170°-180°	88.4	1.3
0°-30°	1488.7	21.4
0°-40°	2303.6	33.1
0°-60°	3600.5	51.7
0°-90°	4240.6	60.9
90°-120°	447.4	6.4
90°-150°	1977.9	28.4
90°-180°	2721.0	39.1
0°-180°	6962.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1921	1921	1921	1921	1921	
5°	1923	2146	1930	1707	1923	182
15°	1806	2638	1831	1266	1806	510
25°	1623	2198	1630	1016	1623	742
35°	1325	1196	1347	843	1325	829
45°	994	721	1010	693	994	771
55°	682	506	687	536	682	609
65°	405	312	412	362	405	402
75°	189	154	196	183	189	203
85°	38	40	41	30	38	45
90°	1	18	1	18	1	5
95°	44	29	44	29	44	52
105°	204	51	204	51	204	218
115°	386	55	386	55	386	380
125°	546	574	546	574	546	487
135°	676	698	676	698	676	522
145°	784	796	784	796	784	490
155°	863	864	863	864	863	398
165°	910	907	910	907	910	257
175°	930	925	930	925	930	89
180°	928	928	928	928	928	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1931.6	1936.1	1943.5	1944.9	1959.7	1971.5	1984.8	1984.8	1989.2	1987.8	1976.0
5°	1922.8	1936.1	1955.3	1971.5	1998.1	2009.9	2027.6	2040.9	2052.7	2061.6	2060.1
7.5°	1908.0	1931.6	1959.7	1990.7	2026.2	2046.8	2071.9	2095.6	2111.8	2126.6	2136.9
10°	1882.9	1922.8	1961.2	2002.5	2048.3	2076.4	2105.9	2136.9	2162.0	2190.1	2216.7
12.5°	1848.9	1906.5	1953.8	2008.4	2064.6	2095.6	2142.8	2166.5	2215.2	2286.1	2305.3
15°	1806.1	1884.4	1928.7	1998.1	2071.9	2097.1	2162.0	2200.4	2300.8	2345.2	2398.3
17.5°	1766.2	1853.4	1912.5	1992.2	2064.6	2113.3	2176.8	2255.1	2339.2	2402.7	2461.8
20°	1733.8	1817.9	1888.8	1977.4	2069.0	2131.0	2197.5	2292.0	2383.5	2448.5	2494.3
22.5°	1659.9	1767.7	1850.4	1949.4	2060.1	2145.8	2209.3	2312.7	2411.6	2451.5	2491.4
25°	1623.0	1716.0	1812.0	1924.3	2054.2	2156.1	2210.8	2326.0	2413.1	2427.9	2436.7
27.5°	1555.1	1659.9	1772.2	1900.6	2052.7	2138.4	2207.8	2312.7	2382.1	2371.7	2345.2
30°	1470.9	1599.4	1723.4	1862.2	2032.1	2125.1	2190.1	2286.1	2321.5	2268.4	2221.1
32.5°	1408.9	1530.0	1667.3	1828.3	2008.4	2097.1	2160.6	2235.9	2243.3	2147.3	2067.5
35°	1324.7	1459.1	1614.1	1784.0	1968.6	2048.3	2107.4	2153.2	2117.7	1983.3	1888.8
37.5°	1249.4	1382.3	1547.7	1720.5	1913.9	1992.2	2039.5	2046.8	1959.7	1841.6	1702.7
40°	1166.7	1304.0	1476.8	1658.4	1853.4	1921.3	1950.8	1928.7	1803.2	1665.8	1504.9
42.5°	1084.0	1219.8	1405.9	1592.0	1776.6	1834.2	1846.0	1785.4	1631.9	1470.9	1284.8
45°	993.9	1135.7	1321.7	1509.3	1688.0	1720.5	1721.9	1634.8	1453.2	1284.8	1112.0
47.5°	920.0	1051.5	1236.1	1423.6	1574.3	1596.4	1587.6	1487.1	1289.2	1100.2	949.6
50°	838.8	964.3	1147.5	1332.1	1460.6	1466.5	1444.3	1301.1	1107.6	934.8	815.2
52.5°	751.7	878.7	1047.0	1224.3	1339.5	1330.6	1287.8	1134.2	952.5	809.3	717.7
55°	682.3	794.5	952.5	1125.3	1206.5	1181.4	1134.2	977.6	834.4	713.3	633.5
57.5°	605.5	704.4	859.5	1010.1	1057.4	1033.8	986.5	840.3	707.4	615.8	562.7
60°	533.1	623.2	759.1	884.6	921.5	896.4	841.8	710.3	614.3	537.6	497.7
62.5°	466.7	544.9	658.7	773.8	788.6	763.5	716.2	609.9	527.2	466.7	437.1
65°	404.6	478.5	570.0	657.2	670.5	643.9	595.1	518.4	448.9	410.5	382.5
67.5°	344.1	403.2	484.4	547.9	555.3	530.2	490.3	428.3	385.4	344.1	323.4
70°	290.9	335.2	398.7	450.4	453.4	429.7	409.1	353.0	320.5	290.9	274.7
72.5°	239.2	270.3	319.0	357.4	358.9	344.1	324.9	289.5	261.4	240.7	224.5
75°	189.0	215.6	245.1	279.1	277.6	265.8	251.1	228.9	205.3	192.0	184.6
77.5°	144.7	161.0	184.6	206.8	206.8	200.8	192.0	175.7	161.0	147.7	140.3
80°	103.4	113.7	132.9	140.3	143.2	141.8	134.4	122.6	116.7	106.3	103.4
82.5°	66.5	73.8	82.7	90.1	94.5	91.6	90.1	84.2	75.3	72.4	69.4
85°	38.4	41.4	45.8	50.2	51.7	50.2	53.2	48.7	44.3	44.3	42.8
87.5°	16.2	17.7	20.7	20.7	22.2	22.2	20.7	22.2	22.2	20.7	19.2
90°	0.7	2.3	4.0	5.6	7.3	8.1	8.7	9.9	11.0	12.2	13.4
92.5°	16.8	16.2	15.6	15.0	14.4	14.1	14.3	14.8	15.2	15.7	16.1
95°	43.7	38.8	33.8	28.9	24.0	21.5	22.0	23.1	24.1	25.2	26.2
97.5°	78.6	66.4	54.1	41.9	29.6	23.5	24.7	27.1	29.5	31.9	34.3
100°	118.9	98.5	78.0	57.6	37.1	26.9	28.2	30.7	33.2	35.8	38.3
102.5°	163.2	162.9	162.6	162.3	162.0	161.9	148.3	121.1	94.0	66.8	39.6
105°	204.2	208.7	213.1	217.6	222.1	224.3	203.9	163.2	122.5	81.7	41.0
107.5°	251.9	255.6	259.4	263.1	266.8	268.7	243.5	193.2	142.9	92.6	42.3
110°	297.6	300.7	303.9	307.0	310.1	311.7	290.1	247.0	203.8	160.7	117.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	340.5	343.2	345.9	348.6	351.3	352.6	351.3	348.8	346.3	343.7	341.2
115°	386.2	388.7	391.3	393.8	396.3	397.6	399.5	403.2	406.9	410.7	414.4
117.5°	425.8	428.8	431.8	434.8	437.8	439.3	440.6	443.1	445.6	448.2	450.7
120°	470.2	472.4	474.7	476.9	479.2	480.3	481.6	484.3	487.0	489.6	492.3
122.5°	507.8	510.2	512.6	514.9	517.3	518.5	520.0	523.0	526.0	529.0	532.0
125°	546.1	548.0	550.0	551.9	553.8	554.8	556.2	559.1	561.9	564.8	567.6
127.5°	581.0	583.1	585.2	587.3	589.4	590.4	591.5	593.8	596.0	598.3	600.5
130°	613.9	616.3	618.7	621.1	623.5	624.7	625.5	627.2	628.8	630.5	632.1
132.5°	647.5	649.4	651.4	653.3	655.2	656.2	657.0	658.7	660.3	662.0	663.6
135°	675.7	678.1	680.5	682.9	685.3	686.5	687.2	688.5	689.8	691.2	692.5
137.5°	705.3	707.1	708.9	710.6	712.4	713.3	714.0	715.5	717.0	718.5	720.0
140°	734.2	735.4	736.6	737.7	738.9	739.5	740.3	742.0	743.6	745.3	746.9
142.5°	758.3	759.3	760.4	761.4	762.5	763.0	764.0	765.9	767.9	769.8	771.8
145°	783.9	783.7	783.6	783.4	783.3	783.2	784.5	787.0	789.5	792.1	794.6
147.5°	806.0	805.6	805.1	804.7	804.2	804.0	805.3	807.8	810.3	812.9	815.4
150°	827.5	826.5	825.4	824.4	823.3	822.8	824.0	826.4	828.8	831.2	833.6
152.5°	845.7	844.5	843.3	842.1	840.9	840.3	841.4	843.7	845.9	848.2	850.4
155°	863.1	861.8	860.4	859.1	857.8	857.1	858.0	859.8	861.5	863.3	865.1
157.5°	877.2	876.0	874.8	873.6	872.4	871.8	872.5	873.8	875.2	876.5	877.9
160°	889.3	888.4	887.5	886.6	885.7	885.3	885.7	886.6	887.5	888.4	889.3
162.5°	900.1	899.2	898.3	897.4	896.5	896.0	896.4	897.1	897.9	898.6	899.4
165°	909.5	908.6	907.7	906.8	905.9	905.4	905.6	906.1	906.5	907.0	907.4
167.5°	916.9	916.0	915.1	914.2	913.3	912.8	913.0	913.5	913.9	914.4	914.8
170°	922.9	922.0	921.1	920.2	919.3	918.9	919.0	919.3	919.6	919.9	920.2
172.5°	926.9	926.0	925.1	924.2	923.3	922.9	923.0	923.3	923.6	923.9	924.2
175°	930.3	929.3	928.2	927.2	926.1	925.6	925.7	926.0	926.3	926.6	926.9
177.5°	931.6	930.6	929.5	928.5	927.4	926.9	927.0	927.1	927.3	927.4	927.6
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1996.6	1998.1	2001.1	2015.8	2023.2	2024.7	2018.8	2032.1	2036.5	2032.1	2029.1
5°	2091.1	2100.0	2117.7	2136.9	2135.4	2136.9	2145.8	2154.6	2157.6	2145.8	2150.2
7.5°	2173.8	2191.6	2210.8	2240.3	2240.3	2255.1	2261.0	2268.4	2286.1	2277.2	2274.3
10°	2268.4	2292.0	2327.4	2374.7	2376.2	2390.9	2405.7	2429.3	2436.7	2430.8	2433.8
12.5°	2386.5	2432.3	2435.2	2486.9	2510.6	2513.5	2537.1	2532.7	2547.5	2547.5	2572.6
15°	2438.2	2509.1	2549.0	2599.2	2613.9	2596.2	2615.4	2636.1	2637.6	2637.6	2636.1
17.5°	2531.2	2559.3	2599.2	2625.7	2631.7	2631.7	2633.1	2642.0	2636.1	2624.3	2633.1
20°	2550.4	2562.2	2577.0	2574.1	2577.0	2562.2	2547.5	2532.7	2534.2	2526.8	2549.0
22.5°	2515.0	2512.0	2478.1	2455.9	2455.9	2426.4	2398.3	2385.0	2371.7	2376.2	2383.5
25°	2426.4	2380.6	2339.2	2306.8	2299.4	2252.1	2213.7	2201.9	2179.8	2197.5	2200.4
27.5°	2284.6	2232.9	2166.5	2138.4	2100.0	2080.8	2054.2	2018.8	1973.0	1999.6	1995.2
30°	2132.5	2055.7	2001.1	1933.1	1872.6	1868.1	1817.9	1758.9	1735.2	1735.2	1748.5
32.5°	1962.7	1860.8	1781.0	1685.0	1626.0	1600.8	1540.3	1481.2	1494.5	1450.2	1466.5
35°	1764.8	1630.4	1530.0	1436.9	1392.6	1363.1	1284.8	1252.3	1216.9	1196.2	1234.6
37.5°	1575.7	1420.7	1292.2	1190.3	1174.1	1120.9	1067.7	1047.0	1026.4	1035.2	1033.8
40°	1345.4	1208.0	1092.8	1013.1	985.0	959.9	924.5	899.4	886.1	893.5	894.9
42.5°	1137.1	1021.9	936.3	880.2	856.5	838.8	821.1	800.4	796.0	796.0	801.9
45°	976.2	881.6	824.1	778.3	765.0	751.7	738.4	729.5	726.6	720.7	725.1
47.5°	847.7	772.4	736.9	703.0	688.2	685.2	673.4	669.0	663.1	661.6	663.1
50°	739.9	692.6	660.1	640.9	630.6	626.2	620.3	611.4	608.4	615.8	612.9
52.5°	664.6	620.3	602.5	583.3	577.4	571.5	562.7	564.1	562.7	559.7	559.7
55°	589.2	561.2	543.5	528.7	527.2	521.3	513.9	511.0	509.5	506.5	511.0
57.5°	528.7	506.5	490.3	477.0	471.1	471.1	463.7	457.8	457.8	456.3	457.8
60°	468.1	446.0	435.7	422.4	417.9	416.5	412.0	409.1	404.6	404.6	404.6
62.5°	412.0	394.3	382.5	370.7	372.2	364.8	358.9	355.9	355.9	357.4	357.4
65°	358.9	347.0	332.3	321.9	319.0	317.5	314.6	313.1	308.7	311.6	311.6
67.5°	310.1	293.9	285.0	280.6	276.2	274.7	271.7	268.8	267.3	265.8	268.8
70°	261.4	248.1	240.7	237.8	233.3	231.9	230.4	225.9	227.4	228.9	230.4
72.5°	217.1	205.3	203.8	194.9	194.9	194.9	189.0	192.0	190.5	187.6	190.5
75°	171.3	165.4	162.4	158.0	159.5	158.0	156.5	152.1	152.1	153.6	155.1
77.5°	135.9	130.0	128.5	124.1	121.1	124.1	121.1	119.6	119.6	121.1	121.1
80°	100.4	97.5	93.0	93.0	93.0	91.6	91.6	91.6	90.1	88.6	90.1
82.5°	66.5	66.5	65.0	63.5	65.0	62.0	63.5	63.5	63.5	63.5	63.5
85°	42.8	41.4	41.4	39.9	39.9	39.9	41.4	38.4	38.4	39.9	39.9
87.5°	19.2	19.2	19.2	20.7	19.2	19.2	19.2	20.7	19.2	19.2	19.2
90°	14.2	14.9	15.7	16.4	16.8	16.9	17.2	17.5	17.8	18.1	17.8
92.5°	16.4	16.7	17.0	17.3	17.5	17.6	17.7	17.8	18.0	18.1	18.0
95°	27.0	27.7	28.5	29.2	29.6	29.5	29.4	29.2	29.1	28.9	29.1
97.5°	34.7	35.2	35.6	36.1	36.3	36.4	36.5	36.6	36.8	36.9	36.8
100°	39.5	40.7	41.9	43.1	43.7	43.8	44.1	44.4	44.7	45.0	44.7
102.5°	41.2	42.9	44.5	46.2	47.0	47.2	47.7	48.1	48.6	49.0	48.6
105°	42.6	44.3	45.9	47.6	48.4	48.7	49.3	49.8	50.4	51.0	50.4
107.5°	43.9	45.6	47.2	48.9	49.7	50.0	50.6	51.2	51.8	52.4	51.8
110°	102.6	87.7	72.8	57.9	50.4	50.7	51.3	51.9	52.5	53.1	52.5

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	276.9	212.5	148.2	83.9	51.7	51.9	52.4	52.8	53.3	53.7	53.3
115°	345.3	276.2	207.1	138.0	103.4	98.0	87.3	76.6	65.8	55.1	65.8
117.5°	429.4	408.0	386.7	365.4	354.7	335.1	296.0	256.9	217.8	178.7	217.8
120°	494.1	495.9	497.7	499.5	500.4	490.3	470.2	450.0	429.9	409.7	429.9
122.5°	532.9	533.8	534.7	535.6	536.0	536.1	536.2	536.4	536.5	536.7	536.5
125°	568.6	569.7	570.7	571.8	572.3	572.5	573.0	573.4	573.9	574.3	573.9
127.5°	602.0	603.5	605.0	606.5	607.2	607.3	607.4	607.6	607.7	607.9	607.7
130°	633.7	635.3	637.0	638.6	639.4	639.3	639.2	639.1	638.9	638.8	638.9
132.5°	665.0	666.3	667.7	669.0	669.7	669.6	669.5	669.3	669.2	669.0	669.2
135°	694.0	695.5	697.0	698.5	699.2	699.1	698.8	698.5	698.2	697.9	698.2
137.5°	721.5	723.0	724.5	726.0	726.8	726.6	726.1	725.7	725.2	724.8	725.2
140°	748.3	749.6	751.0	752.3	753.0	752.6	751.9	751.1	750.4	749.6	750.4
142.5°	773.0	774.2	775.3	776.5	777.1	776.7	776.0	775.3	774.5	773.8	774.5
145°	795.6	796.7	797.7	798.8	799.3	798.9	798.2	797.4	796.7	795.9	796.7
147.5°	816.2	816.9	817.7	818.4	818.8	818.5	817.9	817.3	816.7	816.1	816.7
150°	834.5	835.4	836.3	837.2	837.6	837.2	836.5	835.7	835.0	834.2	835.0
152.5°	851.3	852.2	853.1	854.0	854.4	853.9	852.8	851.8	850.7	849.7	850.7
155°	866.0	866.9	867.8	868.7	869.2	868.6	867.4	866.2	865.0	863.8	865.0
157.5°	878.9	880.0	881.0	882.1	882.6	882.0	880.8	879.6	878.4	877.2	878.4
160°	890.2	891.1	892.0	892.9	893.3	892.8	891.7	890.7	889.6	888.6	889.6
162.5°	900.4	901.5	902.5	903.6	904.1	903.4	902.1	900.7	899.4	898.0	899.4
165°	908.5	909.5	910.6	911.7	912.2	911.7	910.6	909.5	908.5	907.4	908.5
167.5°	915.8	916.9	917.9	919.0	919.5	918.8	917.5	916.2	914.8	913.5	914.8
170°	921.2	922.3	923.3	924.4	924.9	924.2	922.9	921.6	920.2	918.9	920.2
172.5°	925.2	926.3	927.3	928.4	928.9	928.2	926.9	925.6	924.2	922.9	924.2
175°	927.9	929.0	930.0	931.1	931.6	930.9	929.4	927.9	926.4	924.9	926.4
177.5°	928.6	929.7	930.7	931.8	932.3	931.6	930.3	929.0	927.6	926.3	927.6
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	2036.5	2026.2	2017.3	2018.8	2026.2	2020.3	2005.5	1986.3	1978.9	1970.0	1978.9
5°	2159.1	2150.2	2132.5	2134.0	2129.5	2123.6	2100.0	2070.5	2070.5	2046.8	2043.9
7.5°	2280.2	2266.9	2255.1	2252.1	2235.9	2224.1	2203.4	2162.0	2145.8	2117.7	2101.5
10°	2416.0	2405.7	2392.4	2376.2	2367.3	2346.6	2312.7	2252.1	2222.6	2184.2	2156.1
12.5°	2553.4	2551.9	2522.4	2489.9	2488.4	2455.9	2432.3	2351.1	2311.2	2259.5	2193.0
15°	2640.5	2633.1	2616.9	2600.6	2605.1	2569.6	2516.5	2420.5	2393.9	2331.9	2261.0
17.5°	2639.0	2639.0	2634.6	2631.7	2627.2	2616.9	2587.3	2523.8	2481.0	2402.7	2336.3
20°	2554.9	2574.1	2578.5	2577.0	2591.8	2599.2	2597.7	2557.8	2523.8	2454.4	2386.5
22.5°	2386.5	2430.8	2450.0	2461.8	2492.8	2509.1	2547.5	2532.7	2523.8	2472.2	2414.6
25°	2230.0	2244.7	2302.3	2305.3	2348.1	2388.0	2426.4	2451.5	2484.0	2464.8	2416.0
27.5°	2027.6	2061.6	2103.0	2134.0	2142.8	2224.1	2287.6	2334.8	2408.7	2414.6	2398.3
30°	1798.7	1815.0	1882.9	1924.3	1971.5	2030.6	2122.2	2203.4	2269.8	2330.4	2351.1
32.5°	1519.6	1586.1	1626.0	1676.2	1717.5	1822.4	1934.6	2039.5	2116.2	2218.1	2262.5
35°	1264.1	1315.8	1383.8	1404.4	1479.8	1568.4	1714.6	1848.9	1965.6	2069.0	2159.1
37.5°	1053.0	1094.3	1166.7	1199.2	1243.5	1357.2	1479.8	1646.6	1786.9	1913.9	2026.2
40°	908.2	939.2	993.9	1004.2	1041.1	1144.5	1243.5	1400.0	1586.1	1757.4	1880.0
42.5°	809.3	824.1	861.0	874.3	897.9	967.3	1055.9	1203.6	1376.4	1553.6	1726.4
45°	738.4	748.7	770.9	782.7	812.2	843.3	915.6	1033.8	1169.6	1348.3	1534.4
47.5°	674.9	688.2	697.0	704.4	720.7	754.6	801.9	889.0	1019.0	1182.9	1363.1
50°	621.7	626.2	642.4	643.9	654.2	676.4	720.7	773.8	877.2	1010.1	1184.4
52.5°	568.6	573.0	583.3	593.7	598.1	615.8	645.4	689.7	766.5	871.3	1026.4
55°	515.4	521.3	531.6	539.0	543.5	558.2	576.0	618.8	679.3	753.2	880.2
57.5°	462.2	475.5	478.5	482.9	490.3	506.5	522.8	547.9	595.1	663.1	756.1
60°	412.0	416.5	426.8	431.2	438.6	447.5	468.1	487.3	521.3	574.5	658.7
62.5°	360.3	370.7	375.1	379.5	385.4	395.8	409.1	429.7	459.3	502.1	568.6
65°	316.0	317.5	326.4	332.3	338.2	345.6	358.9	378.1	395.8	435.7	484.4
67.5°	273.2	276.2	279.1	285.0	292.4	299.8	311.6	321.9	344.1	370.7	409.1
70°	231.9	231.9	239.2	243.7	242.2	251.1	259.9	271.7	288.0	313.1	344.1
72.5°	194.9	193.5	199.4	200.8	203.8	209.7	215.6	227.4	236.3	255.5	279.1
75°	155.1	158.0	161.0	161.0	165.4	169.8	175.7	181.6	192.0	203.8	221.5
77.5°	122.6	122.6	125.5	127.0	131.4	130.0	135.9	141.8	149.2	159.5	172.8
80°	90.1	93.0	93.0	93.0	94.5	96.0	101.9	106.3	110.8	118.1	124.1
82.5°	63.5	63.5	66.5	66.5	66.5	69.4	69.4	70.9	73.8	78.3	82.7
85°	39.9	39.9	39.9	41.4	39.9	41.4	44.3	42.8	44.3	47.3	47.3
87.5°	19.2	19.2	19.2	19.2	19.2	20.7	19.2	20.7	22.2	22.2	22.2
90°	17.5	17.2	16.9	16.8	16.4	15.7	14.9	14.2	13.4	12.2	11.0
92.5°	17.8	17.7	17.6	17.5	17.3	17.0	16.7	16.4	16.1	15.7	15.2
95°	29.2	29.4	29.5	29.6	29.2	28.5	27.7	27.0	26.2	25.2	24.1
97.5°	36.6	36.5	36.4	36.3	36.1	35.6	35.2	34.7	34.3	31.9	29.5
100°	44.4	44.1	43.8	43.7	43.1	41.9	40.7	39.5	38.3	35.8	33.2
102.5°	48.1	47.7	47.2	47.0	46.2	44.5	42.9	41.2	39.6	66.8	94.0
105°	49.8	49.3	48.7	48.4	47.6	45.9	44.3	42.6	41.0	81.7	122.5
107.5°	51.2	50.6	50.0	49.7	48.9	47.2	45.6	43.9	42.3	92.6	142.9
110°	51.9	51.3	50.7	50.4	57.9	72.8	87.7	102.6	117.5	160.7	203.8

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	52.8	52.4	51.9	51.7	83.9	148.2	212.5	276.9	341.2	343.7	346.3
115°	76.6	87.3	98.0	103.4	138.0	207.1	276.2	345.3	414.4	410.7	406.9
117.5°	256.9	296.0	335.1	354.7	365.4	386.7	408.0	429.4	450.7	448.2	445.6
120°	450.0	470.2	490.3	500.4	499.5	497.7	495.9	494.1	492.3	489.6	487.0
122.5°	536.4	536.2	536.1	536.0	535.6	534.7	533.8	532.9	532.0	529.0	526.0
125°	573.4	573.0	572.5	572.3	571.8	570.7	569.7	568.6	567.6	564.8	561.9
127.5°	607.6	607.4	607.3	607.2	606.5	605.0	603.5	602.0	600.5	598.3	596.0
130°	639.1	639.2	639.3	639.4	638.6	637.0	635.3	633.7	632.1	630.5	628.8
132.5°	669.3	669.5	669.6	669.7	669.0	667.7	666.3	665.0	663.6	662.0	660.3
135°	698.5	698.8	699.1	699.2	698.5	697.0	695.5	694.0	692.5	691.2	689.8
137.5°	725.7	726.1	726.6	726.8	726.0	724.5	723.0	721.5	720.0	718.5	717.0
140°	751.1	751.9	752.6	753.0	752.3	751.0	749.6	748.3	746.9	745.3	743.6
142.5°	775.3	776.0	776.7	777.1	776.5	775.3	774.2	773.0	771.8	769.8	767.9
145°	797.4	798.2	798.9	799.3	798.8	797.7	796.7	795.6	794.6	792.1	789.5
147.5°	817.3	817.9	818.5	818.8	818.4	817.7	816.9	816.2	815.4	812.9	810.3
150°	835.7	836.5	837.2	837.6	837.2	836.3	835.4	834.5	833.6	831.2	828.8
152.5°	851.8	852.8	853.9	854.4	854.0	853.1	852.2	851.3	850.4	848.2	845.9
155°	866.2	867.4	868.6	869.2	868.7	867.8	866.9	866.0	865.1	863.3	861.5
157.5°	879.6	880.8	882.0	882.6	882.1	881.0	880.0	878.9	877.9	876.5	875.2
160°	890.7	891.7	892.8	893.3	892.9	892.0	891.1	890.2	889.3	888.4	887.5
162.5°	900.7	902.1	903.4	904.1	903.6	902.5	901.5	900.4	899.4	898.6	897.9
165°	909.5	910.6	911.7	912.2	911.7	910.6	909.5	908.5	907.4	907.0	906.5
167.5°	916.2	917.5	918.8	919.5	919.0	917.9	916.9	915.8	914.8	914.4	913.9
170°	921.6	922.9	924.2	924.9	924.4	923.3	922.3	921.2	920.2	919.9	919.6
172.5°	925.6	926.9	928.2	928.9	928.4	927.3	926.3	925.2	924.2	923.9	923.6
175°	927.9	929.4	930.9	931.6	931.1	930.0	929.0	927.9	926.9	926.6	926.3
177.5°	929.0	930.3	931.6	932.3	931.8	930.7	929.7	928.6	927.6	927.4	927.3
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1971.5	1964.1	1959.7	1962.7	1953.8	1931.6	1931.6	1939.0	1930.2	1921.3	1908.0
5°	2026.2	2011.4	2002.5	2001.1	1980.4	1944.9	1937.6	1930.2	1911.0	1890.3	1868.1
7.5°	2079.3	2052.7	2038.0	2027.6	1998.1	1952.3	1933.1	1916.9	1885.9	1854.9	1826.8
10°	2123.6	2085.2	2067.5	2051.3	2012.9	1955.3	1924.3	1894.7	1854.9	1815.0	1779.5
12.5°	2159.1	2114.8	2092.6	2069.0	2021.7	1946.4	1908.0	1860.8	1820.9	1767.7	1732.3
15°	2218.1	2126.6	2105.9	2083.8	2035.0	1931.6	1884.4	1831.2	1776.6	1705.7	1667.3
17.5°	2265.4	2142.8	2141.4	2094.1	2030.6	1925.7	1853.4	1784.0	1724.9	1654.0	1593.5
20°	2293.5	2167.9	2144.3	2095.6	2015.8	1885.9	1810.6	1733.8	1670.3	1584.6	1524.1
22.5°	2317.1	2203.4	2141.4	2082.3	1984.8	1872.6	1761.8	1689.5	1602.3	1509.3	1451.7
25°	2326.0	2210.8	2145.8	2077.9	1962.7	1834.2	1708.7	1630.4	1532.9	1448.7	1370.5
27.5°	2327.4	2209.3	2129.5	2058.7	1931.6	1784.0	1655.5	1572.8	1465.0	1367.5	1289.2
30°	2312.7	2193.0	2120.7	2043.9	1902.1	1738.2	1590.5	1498.9	1383.8	1286.3	1205.1
32.5°	2268.4	2160.6	2101.5	2017.3	1863.7	1674.7	1528.5	1426.6	1305.5	1209.5	1131.2
35°	2194.5	2120.7	2055.7	1977.4	1813.5	1615.6	1466.5	1346.8	1224.3	1132.7	1058.9
37.5°	2103.0	2063.1	2002.5	1925.7	1755.9	1562.5	1397.0	1264.1	1141.6	1053.0	980.6
40°	1978.9	1989.2	1930.2	1860.8	1688.0	1490.1	1307.0	1180.0	1064.8	982.1	911.2
42.5°	1844.5	1887.3	1853.4	1786.9	1612.7	1410.3	1240.5	1100.2	988.0	902.3	843.3
45°	1699.8	1773.6	1753.0	1704.2	1534.4	1326.2	1146.0	1010.1	911.2	828.5	776.8
47.5°	1541.8	1646.6	1646.6	1611.2	1447.3	1242.0	1064.8	926.0	828.5	769.4	719.2
50°	1380.8	1498.9	1518.1	1494.5	1349.8	1146.0	965.8	840.3	756.1	698.5	661.6
52.5°	1212.4	1349.8	1385.2	1373.4	1246.4	1054.4	884.6	762.0	685.2	635.0	602.5
55°	1051.5	1211.0	1249.4	1253.8	1135.7	954.0	794.5	686.7	612.9	578.9	550.8
57.5°	899.4	1053.0	1095.8	1103.2	1023.4	862.4	710.3	615.8	549.4	521.3	499.2
60°	769.4	897.9	954.0	970.3	900.8	756.1	632.1	540.5	490.3	463.7	443.0
62.5°	663.1	766.5	825.5	830.0	798.9	663.1	550.8	474.1	431.2	407.6	397.3
65°	559.7	652.7	688.2	705.9	680.8	574.5	475.5	412.0	378.1	357.4	347.0
67.5°	477.0	536.1	565.6	589.2	564.1	484.4	404.6	353.0	327.8	307.2	301.3
70°	391.4	440.1	462.2	485.9	463.7	403.2	345.6	298.3	276.2	259.9	252.5
72.5°	313.1	351.5	372.2	386.9	373.6	323.4	276.2	243.7	227.4	215.6	211.2
75°	248.1	274.7	286.5	296.8	290.9	252.5	223.0	196.4	181.6	171.3	168.4
77.5°	189.0	208.2	221.5	224.5	217.1	192.0	166.9	150.6	138.8	132.9	130.0
80°	134.4	146.2	153.6	158.0	150.6	140.3	122.6	110.8	100.4	93.0	91.6
82.5°	90.1	96.0	101.9	100.4	97.5	88.6	78.3	72.4	67.9	62.0	62.0
85°	51.7	53.2	56.1	57.6	56.1	50.2	44.3	41.4	38.4	34.0	34.0
87.5°	22.2	23.6	23.6	25.1	22.2	22.2	19.2	16.2	16.2	14.8	13.3
90°	9.9	8.7	8.1	7.3	5.6	4.0	2.3	0.7	2.3	4.0	5.6
92.5°	14.8	14.3	14.1	14.4	15.0	15.6	16.2	16.8	16.2	15.6	15.0
95°	23.1	22.0	21.5	24.0	28.9	33.8	38.8	43.7	38.8	33.8	28.9
97.5°	27.1	24.7	23.5	29.6	41.9	54.1	66.4	78.6	66.4	54.1	41.9
100°	30.7	28.2	26.9	37.1	57.6	78.0	98.5	118.9	98.5	78.0	57.6
102.5°	121.1	148.3	161.9	162.0	162.3	162.6	162.9	163.2	162.9	162.6	162.3
105°	163.2	203.9	224.3	222.1	217.6	213.1	208.7	204.2	208.7	213.1	217.6
107.5°	193.2	243.5	268.7	266.8	263.1	259.4	255.6	251.9	255.6	259.4	263.1
110°	247.0	290.1	311.7	310.1	307.0	303.9	300.7	297.6	300.7	303.9	307.0

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	348.8	351.3	352.6	351.3	348.6	345.9	343.2	340.5	343.2	345.9	348.6
115°	403.2	399.5	397.6	396.3	393.8	391.3	388.7	386.2	388.7	391.3	393.8
117.5°	443.1	440.6	439.3	437.8	434.8	431.8	428.8	425.8	428.8	431.8	434.8
120°	484.3	481.6	480.3	479.2	476.9	474.7	472.4	470.2	472.4	474.7	476.9
122.5°	523.0	520.0	518.5	517.3	514.9	512.6	510.2	507.8	510.2	512.6	514.9
125°	559.1	556.2	554.8	553.8	551.9	550.0	548.0	546.1	548.0	550.0	551.9
127.5°	593.8	591.5	590.4	589.4	587.3	585.2	583.1	581.0	583.1	585.2	587.3
130°	627.2	625.5	624.7	623.5	621.1	618.7	616.3	613.9	616.3	618.7	621.1
132.5°	658.7	657.0	656.2	655.2	653.3	651.4	649.4	647.5	649.4	651.4	653.3
135°	688.5	687.2	686.5	685.3	682.9	680.5	678.1	675.7	678.1	680.5	682.9
137.5°	715.5	714.0	713.3	712.4	710.6	708.9	707.1	705.3	707.1	708.9	710.6
140°	742.0	740.3	739.5	738.9	737.7	736.6	735.4	734.2	735.4	736.6	737.7
142.5°	765.9	764.0	763.0	762.5	761.4	760.4	759.3	758.3	759.3	760.4	761.4
145°	787.0	784.5	783.2	783.3	783.4	783.6	783.7	783.9	783.7	783.6	783.4
147.5°	807.8	805.3	804.0	804.2	804.7	805.1	805.6	806.0	805.6	805.1	804.7
150°	826.4	824.0	822.8	823.3	824.4	825.4	826.5	827.5	826.5	825.4	824.4
152.5°	843.7	841.4	840.3	840.9	842.1	843.3	844.5	845.7	844.5	843.3	842.1
155°	859.8	858.0	857.1	857.8	859.1	860.4	861.8	863.1	861.8	860.4	859.1
157.5°	873.8	872.5	871.8	872.4	873.6	874.8	876.0	877.2	876.0	874.8	873.6
160°	886.6	885.7	885.3	885.7	886.6	887.5	888.4	889.3	888.4	887.5	886.6
162.5°	897.1	896.4	896.0	896.5	897.4	898.3	899.2	900.1	899.2	898.3	897.4
165°	906.1	905.6	905.4	905.9	906.8	907.7	908.6	909.5	908.6	907.7	906.8
167.5°	913.5	913.0	912.8	913.3	914.2	915.1	916.0	916.9	916.0	915.1	914.2
170°	919.3	919.0	918.9	919.3	920.2	921.1	922.0	922.9	922.0	921.1	920.2
172.5°	923.3	923.0	922.9	923.3	924.2	925.1	926.0	926.9	926.0	925.1	924.2
175°	926.0	925.7	925.6	926.1	927.2	928.2	929.3	930.3	929.3	928.2	927.2
177.5°	927.1	927.0	926.9	927.4	928.5	929.5	930.6	931.6	930.6	929.5	928.5
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1900.6	1908.0	1906.5	1891.8	1875.5	1862.2	1837.1	1840.1	1831.2	1832.7	1841.6
5°	1853.4	1853.4	1847.5	1826.8	1800.2	1785.4	1757.4	1750.0	1732.3	1730.8	1729.3
7.5°	1803.2	1795.8	1788.4	1758.9	1726.4	1702.7	1664.3	1655.5	1637.8	1626.0	1620.0
10°	1744.1	1733.8	1719.0	1685.0	1645.2	1615.6	1575.7	1563.9	1530.0	1515.2	1506.3
12.5°	1679.1	1673.2	1649.6	1621.5	1556.5	1524.1	1466.5	1478.3	1444.3	1414.8	1410.3
15°	1614.1	1592.0	1578.7	1532.9	1454.6	1439.9	1394.1	1370.5	1339.5	1315.8	1315.8
17.5°	1550.6	1516.7	1487.1	1438.4	1380.8	1339.5	1305.5	1293.7	1255.3	1231.6	1227.2
20°	1466.5	1428.1	1420.7	1351.3	1311.4	1265.6	1233.1	1203.6	1175.5	1165.2	1157.8
22.5°	1386.7	1342.4	1330.6	1271.5	1231.6	1185.9	1153.4	1132.7	1112.0	1104.6	1091.4
25°	1301.1	1274.5	1256.8	1193.3	1148.9	1106.1	1084.0	1069.2	1050.0	1048.5	1039.7
27.5°	1218.4	1193.3	1175.5	1115.0	1082.5	1042.6	1024.9	1008.7	998.3	993.9	989.5
30°	1147.5	1119.4	1098.7	1054.4	1014.6	982.1	967.3	957.0	951.1	943.7	942.2
32.5°	1069.2	1053.0	1024.9	990.9	959.9	928.9	920.0	912.7	903.8	900.8	899.4
35°	1002.7	980.6	962.9	924.5	911.2	884.6	874.3	868.4	856.5	853.6	850.6
37.5°	937.8	917.1	897.9	874.3	849.2	834.4	828.5	819.6	813.7	815.2	812.2
40°	872.8	856.5	841.8	816.7	801.9	794.5	782.7	773.8	770.9	772.4	770.9
42.5°	809.3	794.5	785.7	766.5	751.7	744.3	736.9	728.1	732.5	732.5	736.9
45°	751.7	738.4	732.5	717.7	708.9	697.0	689.7	688.2	694.1	692.6	692.6
47.5°	692.6	688.2	680.8	667.5	655.7	648.3	646.8	646.8	652.7	655.7	654.2
50°	646.8	638.0	629.1	618.8	609.9	607.0	602.5	605.5	611.4	611.4	614.3
52.5°	589.2	583.3	580.4	571.5	565.6	565.6	565.6	567.1	571.5	576.0	574.5
55°	539.0	534.6	531.6	527.2	519.8	521.3	519.8	522.8	527.2	531.6	534.6
57.5°	485.9	484.4	481.4	474.1	474.1	472.6	477.0	478.5	485.9	488.8	493.3
60°	438.6	434.2	434.2	428.3	428.3	428.3	432.7	437.1	443.0	444.5	447.5
62.5°	388.4	388.4	386.9	382.5	382.5	386.9	388.4	394.3	397.3	397.3	401.7
65°	341.1	339.7	338.2	339.7	341.1	341.1	345.6	348.5	351.5	353.0	354.4
67.5°	293.9	292.4	295.4	293.9	296.8	302.7	301.3	305.7	310.1	310.1	311.6
70°	249.6	252.5	251.1	254.0	252.5	255.5	259.9	261.4	261.4	262.9	267.3
72.5°	208.2	208.2	208.2	206.8	208.2	211.2	214.1	215.6	218.6	220.0	224.5
75°	168.4	168.4	165.4	168.4	168.4	171.3	174.3	174.3	174.3	177.2	181.6
77.5°	127.0	128.5	127.0	130.0	130.0	131.4	134.4	132.9	135.9	137.3	138.8
80°	93.0	91.6	91.6	91.6	93.0	93.0	96.0	97.5	97.5	101.9	98.9
82.5°	59.1	60.5	59.1	60.5	60.5	62.0	60.5	62.0	63.5	66.5	65.0
85°	34.0	32.5	32.5	34.0	32.5	32.5	34.0	32.5	34.0	32.5	34.0
87.5°	13.3	11.8	11.8	11.8	11.8	10.3	10.3	8.9	8.9	8.9	7.4
90°	7.3	8.1	8.7	9.9	11.0	12.2	13.4	14.2	14.9	15.7	16.4
92.5°	14.4	14.1	14.3	14.8	15.2	15.7	16.1	16.4	16.7	17.0	17.3
95°	24.0	21.5	22.0	23.1	24.1	25.2	26.2	27.0	27.7	28.5	29.2
97.5°	29.6	23.5	24.7	27.1	29.5	31.9	34.3	34.7	35.2	35.6	36.1
100°	37.1	26.9	28.2	30.7	33.2	35.8	38.3	39.5	40.7	41.9	43.1
102.5°	162.0	161.9	148.3	121.1	94.0	66.8	39.6	41.2	42.9	44.5	46.2
105°	222.1	224.3	203.9	163.2	122.5	81.7	41.0	42.6	44.3	45.9	47.6
107.5°	266.8	268.7	243.5	193.2	142.9	92.6	42.3	43.9	45.6	47.2	48.9
110°	310.1	311.7	290.1	247.0	203.8	160.7	117.5	102.6	87.7	72.8	57.9

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	351.3	352.6	351.3	348.8	346.3	343.7	341.2	276.9	212.5	148.2	83.9
115°	396.3	397.6	399.5	403.2	406.9	410.7	414.4	345.3	276.2	207.1	138.0
117.5°	437.8	439.3	440.6	443.1	445.6	448.2	450.7	429.4	408.0	386.7	365.4
120°	479.2	480.3	481.6	484.3	487.0	489.6	492.3	494.1	495.9	497.7	499.5
122.5°	517.3	518.5	520.0	523.0	526.0	529.0	532.0	532.9	533.8	534.7	535.6
125°	553.8	554.8	556.2	559.1	561.9	564.8	567.6	568.6	569.7	570.7	571.8
127.5°	589.4	590.4	591.5	593.8	596.0	598.3	600.5	602.0	603.5	605.0	606.5
130°	623.5	624.7	625.5	627.2	628.8	630.5	632.1	633.7	635.3	637.0	638.6
132.5°	655.2	656.2	657.0	658.7	660.3	662.0	663.6	665.0	666.3	667.7	669.0
135°	685.3	686.5	687.2	688.5	689.8	691.2	692.5	694.0	695.5	697.0	698.5
137.5°	712.4	713.3	714.0	715.5	717.0	718.5	720.0	721.5	723.0	724.5	726.0
140°	738.9	739.5	740.3	742.0	743.6	745.3	746.9	748.3	749.6	751.0	752.3
142.5°	762.5	763.0	764.0	765.9	767.9	769.8	771.8	773.0	774.2	775.3	776.5
145°	783.3	783.2	784.5	787.0	789.5	792.1	794.6	795.6	796.7	797.7	798.8
147.5°	804.2	804.0	805.3	807.8	810.3	812.9	815.4	816.2	816.9	817.7	818.4
150°	823.3	822.8	824.0	826.4	828.8	831.2	833.6	834.5	835.4	836.3	837.2
152.5°	840.9	840.3	841.4	843.7	845.9	848.2	850.4	851.3	852.2	853.1	854.0
155°	857.8	857.1	858.0	859.8	861.5	863.3	865.1	866.0	866.9	867.8	868.7
157.5°	872.4	871.8	872.5	873.8	875.2	876.5	877.9	878.9	880.0	881.0	882.1
160°	885.7	885.3	885.7	886.6	887.5	888.4	889.3	890.2	891.1	892.0	892.9
162.5°	896.5	896.0	896.4	897.1	897.9	898.6	899.4	900.4	901.5	902.5	903.6
165°	905.9	905.4	905.6	906.1	906.5	907.0	907.4	908.5	909.5	910.6	911.7
167.5°	913.3	912.8	913.0	913.5	913.9	914.4	914.8	915.8	916.9	917.9	919.0
170°	919.3	918.9	919.0	919.3	919.6	919.9	920.2	921.2	922.3	923.3	924.4
172.5°	923.3	922.9	923.0	923.3	923.6	923.9	924.2	925.2	926.3	927.3	928.4
175°	926.1	925.6	925.7	926.0	926.3	926.6	926.9	927.9	929.0	930.0	931.1
177.5°	927.4	926.9	927.0	927.1	927.3	927.4	927.6	928.6	929.7	930.7	931.8
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1831.2	1835.7	1825.3	1822.4	1825.3	1815.0	1817.9	1820.9	1820.9	1825.3	1828.3
5°	1724.9	1719.0	1708.7	1705.7	1702.7	1707.2	1704.2	1708.7	1710.1	1720.5	1721.9
7.5°	1620.0	1611.2	1602.3	1593.5	1590.5	1583.1	1590.5	1590.5	1600.8	1597.9	1605.3
10°	1496.0	1494.5	1482.7	1478.3	1472.4	1460.6	1476.8	1472.4	1479.8	1493.0	1496.0
12.5°	1404.4	1388.2	1395.6	1374.9	1382.3	1370.5	1371.9	1371.9	1383.8	1385.2	1382.3
15°	1317.3	1304.0	1284.8	1276.0	1271.5	1265.6	1284.8	1286.3	1277.4	1298.1	1290.7
17.5°	1228.7	1228.7	1211.0	1206.5	1194.7	1200.6	1197.7	1199.2	1196.2	1211.0	1218.4
20°	1151.9	1144.5	1138.6	1140.1	1125.3	1122.4	1119.4	1122.4	1132.7	1143.0	1146.0
22.5°	1089.9	1085.4	1070.7	1073.6	1061.8	1066.2	1063.3	1070.7	1072.2	1072.2	1082.5
25°	1030.8	1024.9	1026.4	1020.5	1016.0	1016.0	1011.6	1016.0	1021.9	1024.9	1026.4
27.5°	986.5	982.1	974.7	970.3	973.2	965.8	971.7	976.2	976.2	973.2	976.2
30°	933.3	936.3	936.3	921.5	927.4	924.5	928.9	931.9	931.9	933.3	930.4
32.5°	897.9	889.0	887.6	886.1	886.1	880.2	880.2	884.6	886.1	887.6	892.0
35°	850.6	850.6	843.3	847.7	841.8	843.3	841.8	843.3	846.2	841.8	846.2
37.5°	807.8	809.3	806.3	809.3	810.8	807.8	804.9	810.8	807.8	807.8	804.9
40°	770.9	769.4	770.9	770.9	770.9	772.4	769.4	769.4	769.4	766.5	763.5
42.5°	739.9	731.0	734.0	735.4	731.0	731.0	732.5	731.0	735.4	726.6	726.6
45°	695.6	692.6	694.1	694.1	697.0	692.6	695.6	697.0	692.6	691.1	688.2
47.5°	655.7	658.7	655.7	658.7	658.7	661.6	655.7	657.2	658.7	652.7	648.3
50°	615.8	615.8	620.3	618.8	620.3	617.3	617.3	615.8	617.3	614.3	609.9
52.5°	578.9	574.5	581.9	580.4	578.9	577.4	576.0	577.4	574.5	571.5	571.5
55°	533.1	533.1	537.6	539.0	539.0	536.1	533.1	534.6	533.1	531.6	530.2
57.5°	496.2	490.3	493.3	494.7	494.7	490.3	493.3	490.3	490.3	491.8	487.3
60°	448.9	448.9	446.0	450.4	450.4	447.5	447.5	448.9	446.0	444.5	443.0
62.5°	398.7	400.2	404.6	406.1	407.6	404.6	401.7	403.2	403.2	398.7	400.2
65°	355.9	358.9	364.8	363.3	360.3	361.8	358.9	360.3	355.9	357.4	353.0
67.5°	314.6	313.1	314.6	314.6	317.5	316.0	313.1	313.1	311.6	316.0	311.6
70°	270.3	270.3	270.3	270.3	271.7	273.2	270.3	267.3	268.8	265.8	264.3
72.5°	224.5	225.9	224.5	227.4	223.0	225.9	225.9	224.5	223.0	223.0	223.0
75°	181.6	184.6	180.2	181.6	180.2	183.1	181.6	181.6	178.7	177.2	178.7
77.5°	138.8	140.3	137.3	138.8	137.3	138.8	138.8	137.3	137.3	137.3	137.3
80°	98.9	100.4	98.9	97.5	96.0	98.9	96.0	97.5	98.9	97.5	100.4
82.5°	63.5	63.5	62.0	63.5	60.5	60.5	62.0	62.0	60.5	63.5	60.5
85°	31.0	31.0	34.0	31.0	29.5	29.5	29.5	31.0	29.5	32.5	31.0
87.5°	7.4	5.9	7.4	7.4	5.9	5.9	7.4	5.9	7.4	8.9	5.9
90°	16.8	16.9	17.2	17.5	17.8	18.1	17.8	17.5	17.2	16.9	16.8
92.5°	17.5	17.6	17.7	17.8	18.0	18.1	18.0	17.8	17.7	17.6	17.5
95°	29.6	29.5	29.4	29.2	29.1	28.9	29.1	29.2	29.4	29.5	29.6
97.5°	36.3	36.4	36.5	36.6	36.8	36.9	36.8	36.6	36.5	36.4	36.3
100°	43.7	43.8	44.1	44.4	44.7	45.0	44.7	44.4	44.1	43.8	43.7
102.5°	47.0	47.2	47.7	48.1	48.6	49.0	48.6	48.1	47.7	47.2	47.0
105°	48.4	48.7	49.3	49.8	50.4	51.0	50.4	49.8	49.3	48.7	48.4
107.5°	49.7	50.0	50.6	51.2	51.8	52.4	51.8	51.2	50.6	50.0	49.7
110°	50.4	50.7	51.3	51.9	52.5	53.1	52.5	51.9	51.3	50.7	50.4

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	51.7	51.9	52.4	52.8	53.3	53.7	53.3	52.8	52.4	51.9	51.7
115°	103.4	98.0	87.3	76.6	65.8	55.1	65.8	76.6	87.3	98.0	103.4
117.5°	354.7	335.1	296.0	256.9	217.8	178.7	217.8	256.9	296.0	335.1	354.7
120°	500.4	490.3	470.2	450.0	429.9	409.7	429.9	450.0	470.2	490.3	500.4
122.5°	536.0	536.1	536.2	536.4	536.5	536.7	536.5	536.4	536.2	536.1	536.0
125°	572.3	572.5	573.0	573.4	573.9	574.3	573.9	573.4	573.0	572.5	572.3
127.5°	607.2	607.3	607.4	607.6	607.7	607.9	607.7	607.6	607.4	607.3	607.2
130°	639.4	639.3	639.2	639.1	638.9	638.8	638.9	639.1	639.2	639.3	639.4
132.5°	669.7	669.6	669.5	669.3	669.2	669.0	669.2	669.3	669.5	669.6	669.7
135°	699.2	699.1	698.8	698.5	698.2	697.9	698.2	698.5	698.8	699.1	699.2
137.5°	726.8	726.6	726.1	725.7	725.2	724.8	725.2	725.7	726.1	726.6	726.8
140°	753.0	752.6	751.9	751.1	750.4	749.6	750.4	751.1	751.9	752.6	753.0
142.5°	777.1	776.7	776.0	775.3	774.5	773.8	774.5	775.3	776.0	776.7	777.1
145°	799.3	798.9	798.2	797.4	796.7	795.9	796.7	797.4	798.2	798.9	799.3
147.5°	818.8	818.5	817.9	817.3	816.7	816.1	816.7	817.3	817.9	818.5	818.8
150°	837.6	837.2	836.5	835.7	835.0	834.2	835.0	835.7	836.5	837.2	837.6
152.5°	854.4	853.9	852.8	851.8	850.7	849.7	850.7	851.8	852.8	853.9	854.4
155°	869.2	868.6	867.4	866.2	865.0	863.8	865.0	866.2	867.4	868.6	869.2
157.5°	882.6	882.0	880.8	879.6	878.4	877.2	878.4	879.6	880.8	882.0	882.6
160°	893.3	892.8	891.7	890.7	889.6	888.6	889.6	890.7	891.7	892.8	893.3
162.5°	904.1	903.4	902.1	900.7	899.4	898.0	899.4	900.7	902.1	903.4	904.1
165°	912.2	911.7	910.6	909.5	908.5	907.4	908.5	909.5	910.6	911.7	912.2
167.5°	919.5	918.8	917.5	916.2	914.8	913.5	914.8	916.2	917.5	918.8	919.5
170°	924.9	924.2	922.9	921.6	920.2	918.9	920.2	921.6	922.9	924.2	924.9
172.5°	928.9	928.2	926.9	925.6	924.2	922.9	924.2	925.6	926.9	928.2	928.9
175°	931.6	930.9	929.4	927.9	926.4	924.9	926.4	927.9	929.4	930.9	931.6
177.5°	932.3	931.6	930.3	929.0	927.6	926.3	927.6	929.0	930.3	931.6	932.3
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3	1921.3
2.5°	1823.8	1835.7	1831.2	1815.0	1834.2	1834.2	1847.5	1847.5	1863.7	1869.6	1878.5
5°	1720.5	1729.3	1736.7	1729.3	1742.6	1763.3	1775.1	1785.4	1807.6	1816.5	1829.8
7.5°	1609.7	1626.0	1633.3	1633.3	1655.5	1679.1	1702.7	1717.5	1748.5	1760.3	1773.6
10°	1501.9	1521.1	1535.9	1534.4	1571.3	1586.1	1615.6	1649.6	1680.6	1698.3	1717.5
12.5°	1388.2	1398.5	1419.2	1448.7	1457.6	1484.2	1518.1	1561.0	1617.1	1633.3	1661.4
15°	1293.7	1321.7	1338.0	1351.3	1371.9	1397.0	1434.0	1475.3	1531.4	1566.9	1596.4
17.5°	1213.9	1250.8	1261.2	1258.2	1284.8	1323.2	1366.0	1397.0	1447.3	1490.1	1518.1
20°	1148.9	1163.7	1181.4	1188.8	1209.5	1250.8	1292.2	1327.6	1369.0	1403.0	1435.4
22.5°	1084.0	1095.8	1110.6	1123.8	1140.1	1163.7	1203.6	1247.9	1287.8	1320.3	1357.2
25°	1030.8	1038.2	1051.5	1061.8	1079.5	1095.8	1123.8	1172.6	1219.8	1239.0	1271.5
27.5°	979.1	985.0	993.9	1005.7	1014.6	1030.8	1055.9	1095.8	1144.5	1163.7	1208.0
30°	933.3	937.8	946.6	952.5	957.0	976.2	995.4	1026.4	1063.3	1089.9	1122.4
32.5°	890.5	894.9	903.8	905.3	911.2	921.5	939.2	967.3	999.8	1021.9	1050.0
35°	843.3	846.2	855.1	858.0	862.4	871.3	884.6	905.3	934.8	951.1	976.2
37.5°	806.3	804.9	810.8	815.2	821.1	825.5	830.0	850.6	872.8	887.6	906.8
40°	766.5	763.5	765.0	770.9	773.8	779.7	779.7	800.4	815.2	827.0	841.8
42.5°	726.6	725.1	722.2	725.1	728.1	729.5	731.0	745.8	760.6	770.9	787.1
45°	686.7	685.2	682.3	683.8	683.8	686.7	691.1	697.0	707.4	716.2	725.1
47.5°	649.8	646.8	642.4	640.9	643.9	643.9	643.9	649.8	660.1	663.1	671.9
50°	611.4	607.0	601.1	598.1	598.1	596.6	599.6	601.1	609.9	612.9	620.3
52.5°	570.0	567.1	561.2	555.3	556.8	553.8	555.3	556.8	559.7	564.1	568.6
55°	528.7	522.8	518.4	516.9	512.4	512.4	508.0	513.9	512.4	513.9	519.8
57.5°	488.8	482.9	475.5	472.6	468.1	466.7	463.7	462.2	463.7	468.1	472.6
60°	441.6	438.6	434.2	429.7	426.8	422.4	419.4	419.4	417.9	417.9	419.4
62.5°	395.8	394.3	388.4	386.9	384.0	381.0	376.6	373.6	373.6	376.6	378.1
65°	351.5	350.0	345.6	344.1	336.7	333.8	332.3	330.8	327.8	327.8	327.8
67.5°	310.1	305.7	305.7	298.3	292.4	289.5	286.5	285.0	285.0	285.0	286.5
70°	264.3	264.3	259.9	255.5	249.6	251.1	246.6	242.2	242.2	239.2	240.7
72.5°	220.0	218.6	214.1	212.7	208.2	203.8	200.8	203.8	199.4	197.9	199.4
75°	177.2	175.7	172.8	169.8	171.3	166.9	162.4	161.0	161.0	158.0	158.0
77.5°	135.9	138.8	132.9	131.4	128.5	125.5	124.1	122.6	122.6	122.6	125.5
80°	94.5	96.0	96.0	93.0	94.5	90.1	90.1	90.1	85.7	87.1	88.6
82.5°	60.5	60.5	59.1	60.5	59.1	59.1	57.6	57.6	56.1	56.1	57.6
85°	34.0	32.5	31.0	34.0	32.5	32.5	31.0	31.0	31.0	31.0	31.0
87.5°	7.4	8.9	8.9	8.9	8.9	10.3	10.3	10.3	11.8	11.8	11.8
90°	16.4	15.7	14.9	14.2	13.4	12.2	11.0	9.9	8.7	8.1	7.3
92.5°	17.3	17.0	16.7	16.4	16.1	15.7	15.2	14.8	14.3	14.1	14.4
95°	29.2	28.5	27.7	27.0	26.2	25.2	24.1	23.1	22.0	21.5	24.0
97.5°	36.1	35.6	35.2	34.7	34.3	31.9	29.5	27.1	24.7	23.5	29.6
100°	43.1	41.9	40.7	39.5	38.3	35.8	33.2	30.7	28.2	26.9	37.1
102.5°	46.2	44.5	42.9	41.2	39.6	66.8	94.0	121.1	148.3	161.9	162.0
105°	47.6	45.9	44.3	42.6	41.0	81.7	122.5	163.2	203.9	224.3	222.1
107.5°	48.9	47.2	45.6	43.9	42.3	92.6	142.9	193.2	243.5	268.7	266.8
110°	57.9	72.8	87.7	102.6	117.5	160.7	203.8	247.0	290.1	311.7	310.1

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	83.9	148.2	212.5	276.9	341.2	343.7	346.3	348.8	351.3	352.6	351.3
115°	138.0	207.1	276.2	345.3	414.4	410.7	406.9	403.2	399.5	397.6	396.3
117.5°	365.4	386.7	408.0	429.4	450.7	448.2	445.6	443.1	440.6	439.3	437.8
120°	499.5	497.7	495.9	494.1	492.3	489.6	487.0	484.3	481.6	480.3	479.2
122.5°	535.6	534.7	533.8	532.9	532.0	529.0	526.0	523.0	520.0	518.5	517.3
125°	571.8	570.7	569.7	568.6	567.6	564.8	561.9	559.1	556.2	554.8	553.8
127.5°	606.5	605.0	603.5	602.0	600.5	598.3	596.0	593.8	591.5	590.4	589.4
130°	638.6	637.0	635.3	633.7	632.1	630.5	628.8	627.2	625.5	624.7	623.5
132.5°	669.0	667.7	666.3	665.0	663.6	662.0	660.3	658.7	657.0	656.2	655.2
135°	698.5	697.0	695.5	694.0	692.5	691.2	689.8	688.5	687.2	686.5	685.3
137.5°	726.0	724.5	723.0	721.5	720.0	718.5	717.0	715.5	714.0	713.3	712.4
140°	752.3	751.0	749.6	748.3	746.9	745.3	743.6	742.0	740.3	739.5	738.9
142.5°	776.5	775.3	774.2	773.0	771.8	769.8	767.9	765.9	764.0	763.0	762.5
145°	798.8	797.7	796.7	795.6	794.6	792.1	789.5	787.0	784.5	783.2	783.3
147.5°	818.4	817.7	816.9	816.2	815.4	812.9	810.3	807.8	805.3	804.0	804.2
150°	837.2	836.3	835.4	834.5	833.6	831.2	828.8	826.4	824.0	822.8	823.3
152.5°	854.0	853.1	852.2	851.3	850.4	848.2	845.9	843.7	841.4	840.3	840.9
155°	868.7	867.8	866.9	866.0	865.1	863.3	861.5	859.8	858.0	857.1	857.8
157.5°	882.1	881.0	880.0	878.9	877.9	876.5	875.2	873.8	872.5	871.8	872.4
160°	892.9	892.0	891.1	890.2	889.3	888.4	887.5	886.6	885.7	885.3	885.7
162.5°	903.6	902.5	901.5	900.4	899.4	898.6	897.9	897.1	896.4	896.0	896.5
165°	911.7	910.6	909.5	908.5	907.4	907.0	906.5	906.1	905.6	905.4	905.9
167.5°	919.0	917.9	916.9	915.8	914.8	914.4	913.9	913.5	913.0	912.8	913.3
170°	924.4	923.3	922.3	921.2	920.2	919.9	919.6	919.3	919.0	918.9	919.3
172.5°	928.4	927.3	926.3	925.2	924.2	923.9	923.6	923.3	923.0	922.9	923.3
175°	931.1	930.0	929.0	927.9	926.9	926.6	926.3	926.0	925.7	925.6	926.1
177.5°	931.8	930.7	929.7	928.6	927.6	927.4	927.3	927.1	927.0	926.9	927.4
180°	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3	928.3

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1921.3	1921.3	1921.3	1921.3
2.5°	1885.9	1885.9	1908.0	1931.6
5°	1844.5	1854.9	1890.3	1922.8
7.5°	1804.6	1822.4	1866.7	1908.0
10°	1755.9	1779.5	1834.2	1882.9
12.5°	1708.7	1730.8	1794.3	1848.9
15°	1642.2	1670.3	1738.2	1806.1
17.5°	1575.7	1603.8	1686.5	1766.2
20°	1497.5	1534.4	1627.4	1733.8
22.5°	1425.1	1470.9	1574.3	1659.9
25°	1345.4	1416.2	1512.2	1623.0
27.5°	1274.5	1345.4	1442.8	1555.1
30°	1194.7	1267.1	1367.5	1470.9
32.5°	1117.9	1184.4	1281.9	1408.9
35°	1038.2	1101.7	1196.2	1324.7
37.5°	965.8	1027.9	1131.2	1249.4
40°	894.9	959.9	1048.5	1166.7
42.5°	828.5	886.1	965.8	1084.0
45°	767.9	809.3	883.1	993.9
47.5°	704.4	741.4	809.3	920.0
50°	645.4	676.4	735.4	838.8
52.5°	587.8	614.3	669.0	751.7
55°	536.1	561.2	601.1	682.3
57.5°	482.9	502.1	540.5	605.5
60°	431.2	448.9	480.0	533.1
62.5°	379.5	394.3	423.8	466.7
65°	333.8	345.6	367.7	404.6
67.5°	289.5	296.8	314.6	344.1
70°	246.6	252.5	267.3	290.9
72.5°	200.8	206.8	223.0	239.2
75°	162.4	163.9	175.7	189.0
77.5°	127.0	125.5	134.4	144.7
80°	87.1	91.6	98.9	103.4
82.5°	59.1	60.5	63.5	66.5
85°	32.5	34.0	34.0	38.4
87.5°	13.3	14.8	14.8	16.2
90°	5.6	4.0	2.3	0.7
92.5°	15.0	15.6	16.2	16.8
95°	28.9	33.8	38.8	43.7
97.5°	41.9	54.1	66.4	78.6
100°	57.6	78.0	98.5	118.9
102.5°	162.3	162.6	162.9	163.2
105°	217.6	213.1	208.7	204.2
107.5°	263.1	259.4	255.6	251.9
110°	307.0	303.9	300.7	297.6



TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	348.6	345.9	343.2	340.5
115°	393.8	391.3	388.7	386.2
117.5°	434.8	431.8	428.8	425.8
120°	476.9	474.7	472.4	470.2
122.5°	514.9	512.6	510.2	507.8
125°	551.9	550.0	548.0	546.1
127.5°	587.3	585.2	583.1	581.0
130°	621.1	618.7	616.3	613.9
132.5°	653.3	651.4	649.4	647.5
135°	682.9	680.5	678.1	675.7
137.5°	710.6	708.9	707.1	705.3
140°	737.7	736.6	735.4	734.2
142.5°	761.4	760.4	759.3	758.3
145°	783.4	783.6	783.7	783.9
147.5°	804.7	805.1	805.6	806.0
150°	824.4	825.4	826.5	827.5
152.5°	842.1	843.3	844.5	845.7
155°	859.1	860.4	861.8	863.1
157.5°	873.6	874.8	876.0	877.2
160°	886.6	887.5	888.4	889.3
162.5°	897.4	898.3	899.2	900.1
165°	906.8	907.7	908.6	909.5
167.5°	914.2	915.1	916.0	916.9
170°	920.2	921.1	922.0	922.9
172.5°	924.2	925.1	926.0	926.9
175°	927.2	928.2	929.3	930.3
177.5°	928.5	929.5	930.6	931.6
180°	928.3	928.3	928.3	928.3

TEST NUMBER: P998012

CATALOG NUMBER: SA2XXDIP-B1005D725UB50-4F0-XX-W2A-A

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.67	19.60	19.54	20.48	21.59	16.16	17.09	17.03	17.97	19.08
	3H	19.49	20.32	20.37	21.21	22.34	17.51	18.34	18.39	19.23	20.37
	4H	19.66	20.44	20.55	21.34	22.48	17.98	18.76	18.87	19.66	20.80
	6H	19.71	20.43	20.61	21.33	22.49	18.29	19.01	19.19	19.91	21.07
	8H	19.69	20.37	20.60	21.29	22.45	18.38	19.06	19.29	19.98	21.14
	12H	19.65	20.30	20.57	21.22	22.40	18.42	19.07	19.34	19.99	21.17
4H	2H	18.72	19.50	19.62	20.40	21.54	16.62	17.40	17.52	18.30	19.44
	3H	19.71	20.36	20.62	21.28	22.45	18.08	18.73	18.99	19.66	20.82
	4H	19.99	20.58	20.91	21.50	22.69	18.62	19.21	19.54	20.14	21.32
	6H	20.12	20.63	21.05	21.58	22.76	19.00	19.51	19.94	20.46	21.65
	8H	20.12	20.59	21.06	21.54	22.74	19.12	19.59	20.05	20.53	21.73
	12H	20.09	20.51	21.04	21.47	22.68	19.18	19.60	20.13	20.56	21.77
8H	4H	20.00	20.47	20.94	21.42	22.62	18.77	19.24	19.71	20.19	21.39
	6H	20.18	20.57	21.14	21.56	22.76	19.21	19.60	20.17	20.58	21.78
	8H	20.21	20.56	21.18	21.53	22.75	19.36	19.70	20.33	20.68	21.89
	12H	20.20	20.50	21.17	21.47	22.74	19.45	19.76	20.43	20.72	21.99
12H	4H	19.96	20.39	20.91	21.35	22.55	18.75	19.17	19.70	20.13	21.34
	6H	20.16	20.51	21.13	21.48	22.70	19.21	19.55	20.18	20.53	21.74
	8H	20.20	20.50	21.17	21.47	22.73	19.37	19.67	20.34	20.64	21.90