

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: P997894

Luminaire Tested: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P997894
REPORT IS A COMBINATION OF REPORTS P983631 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

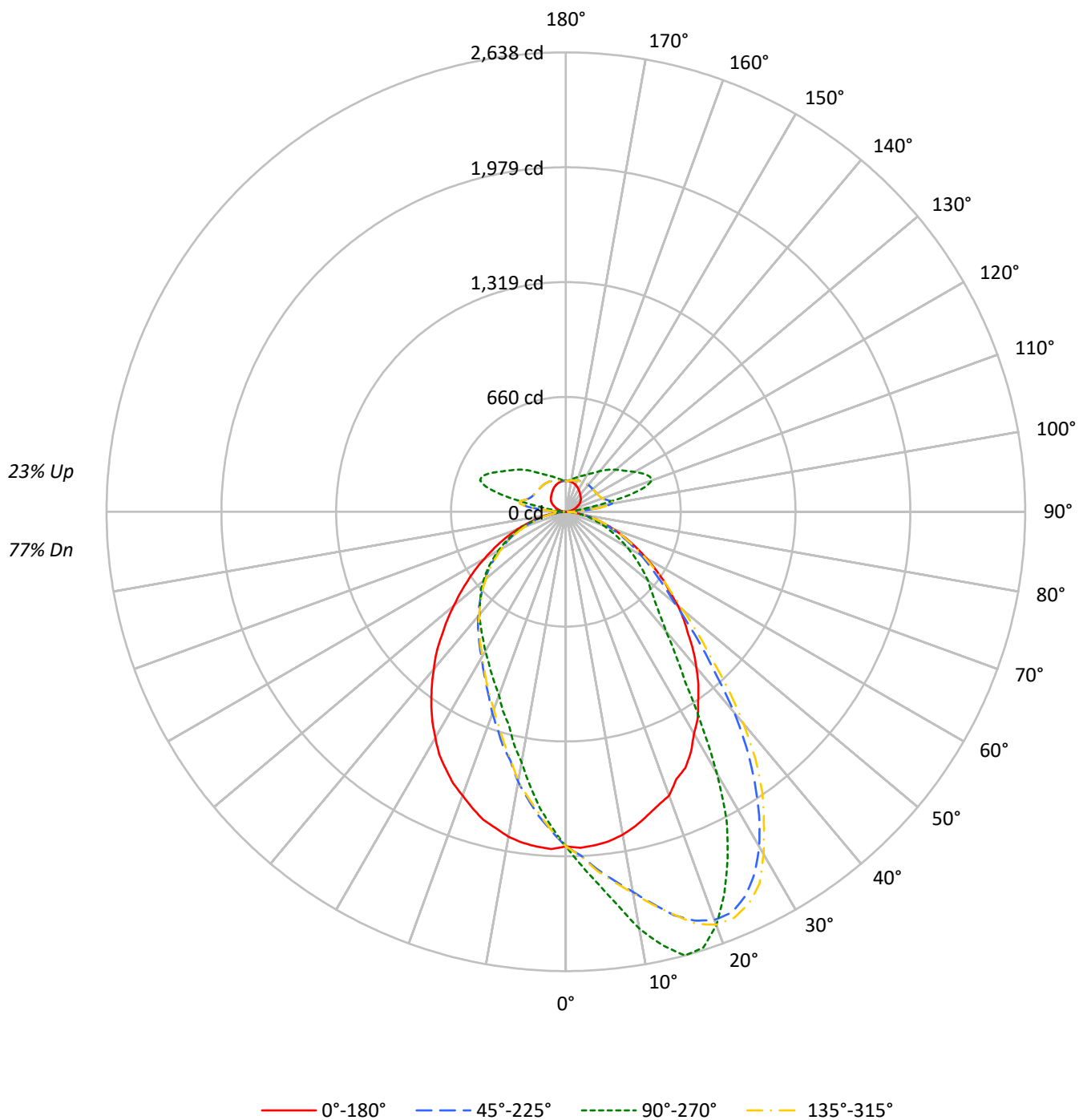
Lumens per Lamp: N/A
Luminaire Lumens: 5478.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 70.6
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			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	114	114	114	114	108	108	108	108	99	99	99	90	90	90	81	81	81	77		
1	105	100	97	93	100	96	93	90	88	85	83	80	78	76	73	72	70	67		
2	96	89	83	78	91	85	79	75	78	73	70	71	68	65	65	63	60	57		
3	88	79	71	66	84	75	69	64	69	64	60	64	59	56	58	55	52	49		
4	81	70	62	56	77	67	60	55	62	56	52	57	53	49	53	49	46	43		
5	75	63	55	49	71	61	53	48	56	50	45	52	47	43	48	44	40	38		
6	69	57	49	43	66	55	48	42	51	45	40	47	42	38	44	39	36	34		
7	64	52	44	38	61	50	43	37	47	40	36	43	38	34	40	36	32	30		
8	60	48	40	34	57	46	39	34	43	37	32	40	35	31	37	33	29	27		
9	56	44	36	31	54	42	35	30	40	33	29	37	32	28	35	30	27	25		
10	53	40	33	28	50	39	32	28	37	31	27	34	29	25	32	28	24	23		

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	3.3
10°-20°	532.6	9.7
20°-30°	773.0	14.1
30°-40°	814.9	14.9
40°-50°	721.1	13.2
50°-60°	575.8	10.5
60°-70°	391.1	7.1
70°-80°	200.1	3.7
80°-90°	48.4	0.9
90°-100°	69.3	1.3
100°-110°	244.0	4.5
110°-120°	256.3	4.7
120°-130°	210.8	3.8
130°-140°	169.4	3.1
140°-150°	127.9	2.3
150°-160°	89.9	1.6
160°-170°	52.9	1.0
170°-180°	17.2	0.3
0°-30°	1488.7	27.2
0°-40°	2303.6	42.1
0°-60°	3600.5	65.7
0°-90°	4240.2	77.4
90°-120°	569.6	10.4
90°-150°	1077.7	19.7
90°-180°	1238.0	22.6
0°-180°	5478.0	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°	0	11	0	11	0	3
95°	12	39	12	39	12	12
105°	42	385	42	385	42	44
115°	74	507	74	507	74	73
125°	102	411	102	411	102	91
135°	120	341	120	341	120	93
145°	137	272	137	272	137	86
155°	156	229	156	229	156	72
165°	170	201	170	201	170	48
175°	177	181	177	181	177	17
180°	178	178	178	178	178	

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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°	0.3	1.4	2.7	3.4	4.1	4.6	5.1	6.8	9.2	11.3	11.6
92.5°	5.1	7.2	9.9	11.6	14.4	16.2	18.1	27.3	40.3	52.0	52.6
95°	12.0	13.3	16.7	19.8	25.3	29.4	33.5	49.2	79.0	118.6	134.0
97.5°	17.8	19.8	23.6	28.0	34.2	38.8	43.4	63.6	104.9	168.9	218.4
100°	26.3	27.3	30.4	35.9	42.7	47.5	52.3	70.4	112.1	186.0	270.0
102.5°	34.2	34.9	37.9	43.4	50.6	55.4	60.2	76.6	112.5	179.5	271.8
105°	41.7	43.1	45.5	50.6	58.1	62.9	67.7	83.7	114.2	170.6	253.3
107.5°	49.9	50.9	53.3	58.1	65.6	70.4	75.2	90.9	117.9	165.8	236.2
110°	58.1	59.5	61.5	66.0	73.2	78.2	83.1	98.1	122.7	164.4	224.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.6	67.0	69.4	73.5	80.3	85.4	90.6	104.9	127.8	164.8	217.1
115°	73.5	75.2	77.3	81.4	88.2	92.8	97.4	112.1	133.0	166.1	211.9
117.5°	81.7	83.1	85.1	88.9	95.4	100.2	104.9	118.6	138.4	168.2	209.2
120°	89.2	90.6	92.6	95.7	102.5	107.3	112.1	125.5	143.9	170.2	206.8
122.5°	96.4	97.4	99.5	102.9	109.7	114.6	119.6	131.9	148.7	172.6	205.4
125°	102.5	103.6	105.6	109.7	116.6	121.4	126.1	138.4	153.8	175.0	203.7
127.5°	107.7	109.0	111.8	116.2	122.7	127.6	132.6	144.6	158.6	177.4	202.7
130°	112.1	113.5	116.9	121.7	128.5	133.3	138.1	150.1	163.1	180.1	202.0
132.5°	116.2	117.9	121.7	126.8	134.0	138.8	143.6	154.8	167.5	182.9	201.7
135°	120.3	121.7	125.8	130.9	138.8	143.6	148.4	159.3	171.3	184.9	201.3
137.5°	124.1	125.8	129.9	135.4	143.2	147.6	152.1	163.1	174.3	187.0	201.3
140°	128.5	129.9	134.0	139.5	147.0	151.4	155.9	166.1	176.7	188.3	201.0
142.5°	133.0	134.0	137.8	143.2	150.4	154.5	158.6	168.5	178.8	189.4	201.0
145°	137.4	138.8	142.2	147.3	154.2	158.0	161.7	170.9	180.5	190.1	200.3
147.5°	142.2	143.2	146.6	151.4	157.2	160.6	164.1	173.0	181.5	190.4	199.3
150°	147.0	148.0	150.7	155.2	160.3	163.4	166.5	174.3	182.2	190.1	198.3
152.5°	151.8	152.1	154.8	158.6	163.4	166.2	168.9	175.7	182.5	189.4	196.6
155°	156.2	156.6	158.6	162.4	166.1	168.7	171.3	177.1	182.9	188.7	194.5
157.5°	160.0	160.3	162.0	165.4	168.5	170.8	173.0	178.1	182.9	187.3	192.4
160°	163.7	164.1	165.4	168.2	170.9	172.8	174.7	178.8	182.9	186.3	190.4
162.5°	167.5	167.2	168.5	170.6	173.0	174.4	175.7	179.1	182.5	185.3	188.7
165°	170.2	169.9	170.6	172.6	174.3	175.4	176.4	179.5	181.9	183.9	186.3
167.5°	172.6	172.3	173.0	174.3	175.7	176.4	177.1	179.5	181.5	182.5	184.2
170°	175.0	174.3	174.7	175.7	176.4	176.9	177.4	179.1	180.8	181.5	182.5
172.5°	176.4	176.0	175.7	176.7	177.1	177.4	177.8	178.8	179.8	180.1	180.5
175°	177.4	177.1	176.7	177.4	177.4	177.6	177.8	178.4	179.1	178.8	179.1
177.5°	178.1	177.4	177.1	177.8	177.8	177.8	177.8	178.1	178.8	178.1	177.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

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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°	11.3	10.9	10.3	10.9	11.1	11.3	11.3	11.3	11.3	11.3	11.3
92.5°	44.1	34.5	29.4	25.6	24.2	22.9	22.6	21.2	21.5	20.9	21.5
95°	117.2	89.6	68.7	54.4	50.6	46.8	42.4	39.7	38.6	39.0	38.6
97.5°	220.1	183.2	146.3	111.8	101.6	91.3	77.9	71.1	67.3	65.3	67.3
100°	319.3	312.1	269.7	222.9	202.2	181.5	153.1	138.4	128.5	122.4	128.5
102.5°	356.2	396.5	395.2	364.0	341.8	319.6	288.2	260.5	247.5	238.6	247.5
105°	344.2	415.3	453.9	458.4	452.8	447.1	425.9	404.7	390.0	385.2	390.0
107.5°	318.9	395.2	452.6	486.1	493.0	499.8	499.4	496.3	491.9	484.0	491.9
110°	295.3	367.5	428.7	472.4	486.4	500.4	515.1	521.6	524.7	524.4	524.7

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	278.9	342.2	400.3	447.8	464.4	481.0	502.8	514.8	521.3	523.7	521.3
115°	265.9	322.3	375.0	419.8	437.4	455.0	479.2	495.0	503.9	506.9	503.9
117.5°	257.1	305.9	353.1	394.8	411.6	428.3	453.3	470.0	479.2	481.6	479.2
120°	250.2	294.3	336.7	372.9	388.4	404.0	428.0	444.0	453.9	457.4	453.9
122.5°	244.4	285.1	323.0	356.9	370.5	384.2	405.1	420.8	429.3	432.1	429.3
125°	238.9	276.2	311.4	341.5	354.3	367.1	386.9	399.9	408.5	411.2	408.5
127.5°	233.8	267.3	299.8	328.5	340.4	352.4	369.9	382.2	389.7	391.7	389.7
130°	228.7	258.8	288.2	315.2	326.4	337.7	354.5	366.1	372.9	375.7	372.9
132.5°	224.6	250.6	277.2	301.5	311.9	322.3	338.8	350.4	356.5	358.9	356.5
135°	220.8	243.0	265.6	288.2	297.8	307.3	322.0	333.3	339.4	340.8	339.4
137.5°	218.1	236.9	256.4	274.8	283.4	291.9	305.9	315.8	321.3	323.4	321.3
140°	215.7	231.1	247.5	263.2	270.7	278.2	289.2	298.1	303.2	305.3	303.2
142.5°	213.3	226.3	239.6	252.6	258.6	264.6	274.8	282.7	287.1	287.1	287.1
145°	211.2	221.8	233.1	243.7	248.6	253.6	261.8	267.7	271.1	272.1	271.1
147.5°	209.2	218.4	227.7	236.2	240.0	243.7	250.9	255.7	258.1	258.8	258.1
150°	206.5	214.7	222.2	229.4	232.4	235.5	240.6	244.7	246.8	247.1	246.8
152.5°	204.1	210.9	217.7	223.6	226.2	228.7	232.4	235.9	237.2	237.2	237.2
155°	201.0	207.5	213.0	218.1	220.0	221.8	225.6	228.0	229.4	228.7	229.4
157.5°	198.3	203.4	208.2	212.6	214.2	215.7	218.4	220.5	221.2	221.2	221.2
160°	195.2	199.6	203.4	207.1	208.3	209.5	211.9	213.6	214.0	214.0	214.0
162.5°	192.4	195.9	198.9	202.0	202.8	203.7	206.1	207.1	207.5	207.1	207.5
165°	189.4	192.1	194.5	196.9	197.6	198.3	199.6	201.0	201.0	200.7	201.0
167.5°	186.3	188.3	190.4	192.1	192.8	193.5	194.2	194.8	194.8	194.5	194.8
170°	183.9	185.6	186.6	188.0	188.4	188.7	189.0	190.1	189.7	189.0	189.7
172.5°	181.5	182.5	183.2	184.2	184.4	184.6	184.9	185.3	184.9	184.6	184.9
175°	179.5	180.5	180.8	181.2	181.4	181.5	181.5	181.9	181.5	180.8	181.5
177.5°	178.1	178.8	178.8	179.1	179.1	179.1	179.1	179.1	178.8	178.1	178.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

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°	11.3	11.3	11.3	11.1	10.9	10.3	10.9	11.3	11.6	11.3	9.2
92.5°	21.2	22.6	22.9	24.2	25.6	29.4	34.5	44.1	52.6	52.0	40.3
95°	39.7	42.4	46.8	50.6	54.4	68.7	89.6	117.2	134.0	118.6	79.0
97.5°	71.1	77.9	91.3	101.6	111.8	146.3	183.2	220.1	218.4	168.9	104.9
100°	138.4	153.1	181.5	202.2	222.9	269.7	312.1	319.3	270.0	186.0	112.1
102.5°	260.5	288.2	319.6	341.8	364.0	395.2	396.5	356.2	271.8	179.5	112.5
105°	404.7	425.9	447.1	452.8	458.4	453.9	415.3	344.2	253.3	170.6	114.2
107.5°	496.3	499.4	499.8	493.0	486.1	452.6	395.2	318.9	236.2	165.8	117.9
110°	521.6	515.1	500.4	486.4	472.4	428.7	367.5	295.3	224.6	164.4	122.7

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	514.8	502.8	481.0	464.4	447.8	400.3	342.2	278.9	217.1	164.8	127.8
115°	495.0	479.2	455.0	437.4	419.8	375.0	322.3	265.9	211.9	166.1	133.0
117.5°	470.0	453.3	428.3	411.6	394.8	353.1	305.9	257.1	209.2	168.2	138.4
120°	444.0	428.0	404.0	388.4	372.9	336.7	294.3	250.2	206.8	170.2	143.9
122.5°	420.8	405.1	384.2	370.5	356.9	323.0	285.1	244.4	205.4	172.6	148.7
125°	399.9	386.9	367.1	354.3	341.5	311.4	276.2	238.9	203.7	175.0	153.8
127.5°	382.2	369.9	352.4	340.4	328.5	299.8	267.3	233.8	202.7	177.4	158.6
130°	366.1	354.5	337.7	326.4	315.2	288.2	258.8	228.7	202.0	180.1	163.1
132.5°	350.4	338.8	322.3	311.9	301.5	277.2	250.6	224.6	201.7	182.9	167.5
135°	333.3	322.0	307.3	297.8	288.2	265.6	243.0	220.8	201.3	184.9	171.3
137.5°	315.8	305.9	291.9	283.4	274.8	256.4	236.9	218.1	201.3	187.0	174.3
140°	298.1	289.2	278.2	270.7	263.2	247.5	231.1	215.7	201.0	188.3	176.7
142.5°	282.7	274.8	264.6	258.6	252.6	239.6	226.3	213.3	201.0	189.4	178.8
145°	267.7	261.8	253.6	248.6	243.7	233.1	221.8	211.2	200.3	190.1	180.5
147.5°	255.7	250.9	243.7	240.0	236.2	227.7	218.4	209.2	199.3	190.4	181.5
150°	244.7	240.6	235.5	232.4	229.4	222.2	214.7	206.5	198.3	190.1	182.2
152.5°	235.9	232.4	228.7	226.2	223.6	217.7	210.9	204.1	196.6	189.4	182.5
155°	228.0	225.6	221.8	220.0	218.1	213.0	207.5	201.0	194.5	188.7	182.9
157.5°	220.5	218.4	215.7	214.2	212.6	208.2	203.4	198.3	192.4	187.3	182.9
160°	213.6	211.9	209.5	208.3	207.1	203.4	199.6	195.2	190.4	186.3	182.9
162.5°	207.1	206.1	203.7	202.8	202.0	198.9	195.9	192.4	188.7	185.3	182.5
165°	201.0	199.6	198.3	197.6	196.9	194.5	192.1	189.4	186.3	183.9	181.9
167.5°	194.8	194.2	193.5	192.8	192.1	190.4	188.3	186.3	184.2	182.5	181.5
170°	190.1	189.0	188.7	188.4	188.0	186.6	185.6	183.9	182.5	181.5	180.8
172.5°	185.3	184.9	184.6	184.4	184.2	183.2	182.5	181.5	180.5	180.1	179.8
175°	181.9	181.5	181.5	181.4	181.2	180.8	180.5	179.5	179.1	178.8	179.1
177.5°	179.1	179.1	179.1	179.1	179.1	178.8	178.8	178.1	177.8	178.1	178.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

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°	6.8	5.1	4.6	4.1	3.4	2.7	1.4	0.3	1.4	2.7	3.4
92.5°	27.3	18.1	16.2	14.4	11.6	9.9	7.2	5.1	7.2	9.9	11.6
95°	49.2	33.5	29.4	25.3	19.8	16.7	13.3	12.0	13.3	16.7	19.8
97.5°	63.6	43.4	38.8	34.2	28.0	23.6	19.8	17.8	19.8	23.6	28.0
100°	70.4	52.3	47.5	42.7	35.9	30.4	27.3	26.3	27.3	30.4	35.9
102.5°	76.6	60.2	55.4	50.6	43.4	37.9	34.9	34.2	34.9	37.9	43.4
105°	83.7	67.7	62.9	58.1	50.6	45.5	43.1	41.7	43.1	45.5	50.6
107.5°	90.9	75.2	70.4	65.6	58.1	53.3	50.9	49.9	50.9	53.3	58.1
110°	98.1	83.1	78.2	73.2	66.0	61.5	59.5	58.1	59.5	61.5	66.0

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	104.9	90.6	85.4	80.3	73.5	69.4	67.0	65.6	67.0	69.4	73.5
115°	112.1	97.4	92.8	88.2	81.4	77.3	75.2	73.5	75.2	77.3	81.4
117.5°	118.6	104.9	100.2	95.4	88.9	85.1	83.1	81.7	83.1	85.1	88.9
120°	125.5	112.1	107.3	102.5	95.7	92.6	90.6	89.2	90.6	92.6	95.7
122.5°	131.9	119.6	114.6	109.7	102.9	99.5	97.4	96.4	97.4	99.5	102.9
125°	138.4	126.1	121.4	116.6	109.7	105.6	103.6	102.5	103.6	105.6	109.7
127.5°	144.6	132.6	127.6	122.7	116.2	111.8	109.0	107.7	109.0	111.8	116.2
130°	150.1	138.1	133.3	128.5	121.7	116.9	113.5	112.1	113.5	116.9	121.7
132.5°	154.8	143.6	138.8	134.0	126.8	121.7	117.9	116.2	117.9	121.7	126.8
135°	159.3	148.4	143.6	138.8	130.9	125.8	121.7	120.3	121.7	125.8	130.9
137.5°	163.1	152.1	147.6	143.2	135.4	129.9	125.8	124.1	125.8	129.9	135.4
140°	166.1	155.9	151.4	147.0	139.5	134.0	129.9	128.5	129.9	134.0	139.5
142.5°	168.5	158.6	154.5	150.4	143.2	137.8	134.0	133.0	134.0	137.8	143.2
145°	170.9	161.7	158.0	154.2	147.3	142.2	138.8	137.4	138.8	142.2	147.3
147.5°	173.0	164.1	160.6	157.2	151.4	146.6	143.2	142.2	143.2	146.6	151.4
150°	174.3	166.5	163.4	160.3	155.2	150.7	148.0	147.0	148.0	150.7	155.2
152.5°	175.7	168.9	166.2	163.4	158.6	154.8	152.1	151.8	152.1	154.8	158.6
155°	177.1	171.3	168.7	166.1	162.4	158.6	156.6	156.2	156.6	158.6	162.4
157.5°	178.1	173.0	170.8	168.5	165.4	162.0	160.3	160.0	160.3	162.0	165.4
160°	178.8	174.7	172.8	170.9	168.2	165.4	164.1	163.7	164.1	165.4	168.2
162.5°	179.1	175.7	174.4	173.0	170.6	168.5	167.2	167.5	167.2	168.5	170.6
165°	179.5	176.4	175.4	174.3	172.6	170.6	169.9	170.2	169.9	170.6	172.6
167.5°	179.5	177.1	176.4	175.7	174.3	173.0	172.3	172.6	172.3	173.0	174.3
170°	179.1	177.4	176.9	176.4	175.7	174.7	174.3	175.0	174.3	174.7	175.7
172.5°	178.8	177.8	177.4	177.1	176.7	175.7	176.0	176.4	176.0	175.7	176.7
175°	178.4	177.8	177.6	177.4	177.4	176.7	177.1	177.4	177.1	176.7	177.4
177.5°	178.1	177.8	177.8	177.8	177.8	177.1	177.4	178.1	177.4	177.1	177.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

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°	4.1	4.6	5.1	6.8	9.2	11.3	11.6	11.3	10.9	10.3	10.9
92.5°	14.4	16.2	18.1	27.3	40.3	52.0	52.6	44.1	34.5	29.4	25.6
95°	25.3	29.4	33.5	49.2	79.0	118.6	134.0	117.2	89.6	68.7	54.4
97.5°	34.2	38.8	43.4	63.6	104.9	168.9	218.4	220.1	183.2	146.3	111.8
100°	42.7	47.5	52.3	70.4	112.1	186.0	270.0	319.3	312.1	269.7	222.9
102.5°	50.6	55.4	60.2	76.6	112.5	179.5	271.8	356.2	396.5	395.2	364.0
105°	58.1	62.9	67.7	83.7	114.2	170.6	253.3	344.2	415.3	453.9	458.4
107.5°	65.6	70.4	75.2	90.9	117.9	165.8	236.2	318.9	395.2	452.6	486.1
110°	73.2	78.2	83.1	98.1	122.7	164.4	224.6	295.3	367.5	428.7	472.4

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	80.3	85.4	90.6	104.9	127.8	164.8	217.1	278.9	342.2	400.3	447.8
115°	88.2	92.8	97.4	112.1	133.0	166.1	211.9	265.9	322.3	375.0	419.8
117.5°	95.4	100.2	104.9	118.6	138.4	168.2	209.2	257.1	305.9	353.1	394.8
120°	102.5	107.3	112.1	125.5	143.9	170.2	206.8	250.2	294.3	336.7	372.9
122.5°	109.7	114.6	119.6	131.9	148.7	172.6	205.4	244.4	285.1	323.0	356.9
125°	116.6	121.4	126.1	138.4	153.8	175.0	203.7	238.9	276.2	311.4	341.5
127.5°	122.7	127.6	132.6	144.6	158.6	177.4	202.7	233.8	267.3	299.8	328.5
130°	128.5	133.3	138.1	150.1	163.1	180.1	202.0	228.7	258.8	288.2	315.2
132.5°	134.0	138.8	143.6	154.8	167.5	182.9	201.7	224.6	250.6	277.2	301.5
135°	138.8	143.6	148.4	159.3	171.3	184.9	201.3	220.8	243.0	265.6	288.2
137.5°	143.2	147.6	152.1	163.1	174.3	187.0	201.3	218.1	236.9	256.4	274.8
140°	147.0	151.4	155.9	166.1	176.7	188.3	201.0	215.7	231.1	247.5	263.2
142.5°	150.4	154.5	158.6	168.5	178.8	189.4	201.0	213.3	226.3	239.6	252.6
145°	154.2	158.0	161.7	170.9	180.5	190.1	200.3	211.2	221.8	233.1	243.7
147.5°	157.2	160.6	164.1	173.0	181.5	190.4	199.3	209.2	218.4	227.7	236.2
150°	160.3	163.4	166.5	174.3	182.2	190.1	198.3	206.5	214.7	222.2	229.4
152.5°	163.4	166.2	168.9	175.7	182.5	189.4	196.6	204.1	210.9	217.7	223.6
155°	166.1	168.7	171.3	177.1	182.9	188.7	194.5	201.0	207.5	213.0	218.1
157.5°	168.5	170.8	173.0	178.1	182.9	187.3	192.4	198.3	203.4	208.2	212.6
160°	170.9	172.8	174.7	178.8	182.9	186.3	190.4	195.2	199.6	203.4	207.1
162.5°	173.0	174.4	175.7	179.1	182.5	185.3	188.7	192.4	195.9	198.9	202.0
165°	174.3	175.4	176.4	179.5	181.9	183.9	186.3	189.4	192.1	194.5	196.9
167.5°	175.7	176.4	177.1	179.5	181.5	182.5	184.2	186.3	188.3	190.4	192.1
170°	176.4	176.9	177.4	179.1	180.8	181.5	182.5	183.9	185.6	186.6	188.0
172.5°	177.1	177.4	177.8	178.8	179.8	180.1	180.5	181.5	182.5	183.2	184.2
175°	177.4	177.6	177.8	178.4	179.1	178.8	179.1	179.5	180.5	180.8	181.2
177.5°	177.8	177.8	177.8	178.1	178.8	178.1	177.8	178.1	178.8	178.8	179.1
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

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°	11.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.1
92.5°	24.2	22.9	22.6	21.2	21.5	20.9	21.5	21.2	22.6	22.9	24.2
95°	50.6	46.8	42.4	39.7	38.6	39.0	38.6	39.7	42.4	46.8	50.6
97.5°	101.6	91.3	77.9	71.1	67.3	65.3	67.3	71.1	77.9	91.3	101.6
100°	202.2	181.5	153.1	138.4	128.5	122.4	128.5	138.4	153.1	181.5	202.2
102.5°	341.8	319.6	288.2	260.5	247.5	238.6	247.5	260.5	288.2	319.6	341.8
105°	452.8	447.1	425.9	404.7	390.0	385.2	390.0	404.7	425.9	447.1	452.8
107.5°	493.0	499.8	499.4	496.3	491.9	484.0	491.9	496.3	499.4	499.8	493.0
110°	486.4	500.4	515.1	521.6	524.7	524.4	524.7	521.6	515.1	500.4	486.4

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	464.4	481.0	502.8	514.8	521.3	523.7	521.3	514.8	502.8	481.0	464.4
115°	437.4	455.0	479.2	495.0	503.9	506.9	503.9	495.0	479.2	455.0	437.4
117.5°	411.6	428.3	453.3	470.0	479.2	481.6	479.2	470.0	453.3	428.3	411.6
120°	388.4	404.0	428.0	444.0	453.9	457.4	453.9	444.0	428.0	404.0	388.4
122.5°	370.5	384.2	405.1	420.8	429.3	432.1	429.3	420.8	405.1	384.2	370.5
125°	354.3	367.1	386.9	399.9	408.5	411.2	408.5	399.9	386.9	367.1	354.3
127.5°	340.4	352.4	369.9	382.2	389.7	391.7	389.7	382.2	369.9	352.4	340.4
130°	326.4	337.7	354.5	366.1	372.9	375.7	372.9	366.1	354.5	337.7	326.4
132.5°	311.9	322.3	338.8	350.4	356.5	358.9	356.5	350.4	338.8	322.3	311.9
135°	297.8	307.3	322.0	333.3	339.4	340.8	339.4	333.3	322.0	307.3	297.8
137.5°	283.4	291.9	305.9	315.8	321.3	323.4	321.3	315.8	305.9	291.9	283.4
140°	270.7	278.2	289.2	298.1	303.2	305.3	303.2	298.1	289.2	278.2	270.7
142.5°	258.6	264.6	274.8	282.7	287.1	287.1	287.1	282.7	274.8	264.6	258.6
145°	248.6	253.6	261.8	267.7	271.1	272.1	271.1	267.7	261.8	253.6	248.6
147.5°	240.0	243.7	250.9	255.7	258.1	258.8	258.1	255.7	250.9	243.7	240.0
150°	232.4	235.5	240.6	244.7	246.8	247.1	246.8	244.7	240.6	235.5	232.4
152.5°	226.2	228.7	232.4	235.9	237.2	237.2	237.2	235.9	232.4	228.7	226.2
155°	220.0	221.8	225.6	228.0	229.4	228.7	229.4	228.0	225.6	221.8	220.0
157.5°	214.2	215.7	218.4	220.5	221.2	221.2	221.2	220.5	218.4	215.7	214.2
160°	208.3	209.5	211.9	213.6	214.0	214.0	214.0	213.6	211.9	209.5	208.3
162.5°	202.8	203.7	206.1	207.1	207.5	207.1	207.5	207.1	206.1	203.7	202.8
165°	197.6	198.3	199.6	201.0	201.0	200.7	201.0	201.0	199.6	198.3	197.6
167.5°	192.8	193.5	194.2	194.8	194.8	194.5	194.8	194.8	194.2	193.5	192.8
170°	188.4	188.7	189.0	190.1	189.7	189.0	189.7	190.1	189.0	188.7	188.4
172.5°	184.4	184.6	184.9	185.3	184.9	184.6	184.9	185.3	184.9	184.6	184.4
175°	181.4	181.5	181.5	181.9	181.5	180.8	181.5	181.9	181.5	181.5	181.4
177.5°	179.1	179.1	179.1	179.1	178.8	178.1	178.8	179.1	179.1	179.1	179.1
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

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°	10.9	10.3	10.9	11.3	11.6	11.3	9.2	6.8	5.1	4.6	4.1
92.5°	25.6	29.4	34.5	44.1	52.6	52.0	40.3	27.3	18.1	16.2	14.4
95°	54.4	68.7	89.6	117.2	134.0	118.6	79.0	49.2	33.5	29.4	25.3
97.5°	111.8	146.3	183.2	220.1	218.4	168.9	104.9	63.6	43.4	38.8	34.2
100°	222.9	269.7	312.1	319.3	270.0	186.0	112.1	70.4	52.3	47.5	42.7
102.5°	364.0	395.2	396.5	356.2	271.8	179.5	112.5	76.6	60.2	55.4	50.6
105°	458.4	453.9	415.3	344.2	253.3	170.6	114.2	83.7	67.7	62.9	58.1
107.5°	486.1	452.6	395.2	318.9	236.2	165.8	117.9	90.9	75.2	70.4	65.6
110°	472.4	428.7	367.5	295.3	224.6	164.4	122.7	98.1	83.1	78.2	73.2

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	447.8	400.3	342.2	278.9	217.1	164.8	127.8	104.9	90.6	85.4	80.3
115°	419.8	375.0	322.3	265.9	211.9	166.1	133.0	112.1	97.4	92.8	88.2
117.5°	394.8	353.1	305.9	257.1	209.2	168.2	138.4	118.6	104.9	100.2	95.4
120°	372.9	336.7	294.3	250.2	206.8	170.2	143.9	125.5	112.1	107.3	102.5
122.5°	356.9	323.0	285.1	244.4	205.4	172.6	148.7	131.9	119.6	114.6	109.7
125°	341.5	311.4	276.2	238.9	203.7	175.0	153.8	138.4	126.1	121.4	116.6
127.5°	328.5	299.8	267.3	233.8	202.7	177.4	158.6	144.6	132.6	127.6	122.7
130°	315.2	288.2	258.8	228.7	202.0	180.1	163.1	150.1	138.1	133.3	128.5
132.5°	301.5	277.2	250.6	224.6	201.7	182.9	167.5	154.8	143.6	138.8	134.0
135°	288.2	265.6	243.0	220.8	201.3	184.9	171.3	159.3	148.4	143.6	138.8
137.5°	274.8	256.4	236.9	218.1	201.3	187.0	174.3	163.1	152.1	147.6	143.2
140°	263.2	247.5	231.1	215.7	201.0	188.3	176.7	166.1	155.9	151.4	147.0
142.5°	252.6	239.6	226.3	213.3	201.0	189.4	178.8	168.5	158.6	154.5	150.4
145°	243.7	233.1	221.8	211.2	200.3	190.1	180.5	170.9	161.7	158.0	154.2
147.5°	236.2	227.7	218.4	209.2	199.3	190.4	181.5	173.0	164.1	160.6	157.2
150°	229.4	222.2	214.7	206.5	198.3	190.1	182.2	174.3	166.5	163.4	160.3
152.5°	223.6	217.7	210.9	204.1	196.6	189.4	182.5	175.7	168.9	166.2	163.4
155°	218.1	213.0	207.5	201.0	194.5	188.7	182.9	177.1	171.3	168.7	166.1
157.5°	212.6	208.2	203.4	198.3	192.4	187.3	182.9	178.1	173.0	170.8	168.5
160°	207.1	203.4	199.6	195.2	190.4	186.3	182.9	178.8	174.7	172.8	170.9
162.5°	202.0	198.9	195.9	192.4	188.7	185.3	182.5	179.1	175.7	174.4	173.0
165°	196.9	194.5	192.1	189.4	186.3	183.9	181.9	179.5	176.4	175.4	174.3
167.5°	192.1	190.4	188.3	186.3	184.2	182.5	181.5	179.5	177.1	176.4	175.7
170°	188.0	186.6	185.6	183.9	182.5	181.5	180.8	179.1	177.4	176.9	176.4
172.5°	184.2	183.2	182.5	181.5	180.5	180.1	179.8	178.8	177.8	177.4	177.1
175°	181.2	180.8	180.5	179.5	179.1	178.8	179.1	178.4	177.8	177.6	177.4
177.5°	179.1	178.8	178.8	178.1	177.8	178.1	178.8	178.1	177.8	177.8	177.8
180°	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8	177.8

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

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°	3.4	2.7	1.4	0.3
92.5°	11.6	9.9	7.2	5.1
95°	19.8	16.7	13.3	12.0
97.5°	28.0	23.6	19.8	17.8
100°	35.9	30.4	27.3	26.3
102.5°	43.4	37.9	34.9	34.2
105°	50.6	45.5	43.1	41.7
107.5°	58.1	53.3	50.9	49.9
110°	66.0	61.5	59.5	58.1

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	73.5	69.4	67.0	65.6
115°	81.4	77.3	75.2	73.5
117.5°	88.9	85.1	83.1	81.7
120°	95.7	92.6	90.6	89.2
122.5°	102.9	99.5	97.4	96.4
125°	109.7	105.6	103.6	102.5
127.5°	116.2	111.8	109.0	107.7
130°	121.7	116.9	113.5	112.1
132.5°	126.8	121.7	117.9	116.2
135°	130.9	125.8	121.7	120.3
137.5°	135.4	129.9	125.8	124.1
140°	139.5	134.0	129.9	128.5
142.5°	143.2	137.8	134.0	133.0
145°	147.3	142.2	138.8	137.4
147.5°	151.4	146.6	143.2	142.2
150°	155.2	150.7	148.0	147.0
152.5°	158.6	154.8	152.1	151.8
155°	162.4	158.6	156.6	156.2
157.5°	165.4	162.0	160.3	160.0
160°	168.2	165.4	164.1	163.7
162.5°	170.6	168.5	167.2	167.5
165°	172.6	170.6	169.9	170.2
167.5°	174.3	173.0	172.3	172.6
170°	175.7	174.7	174.3	175.0
172.5°	176.7	175.7	176.0	176.4
175°	177.4	176.7	177.1	177.4
177.5°	177.8	177.1	177.4	178.1
180°	177.8	177.8	177.8	177.8

TEST NUMBER: P997894

CATALOG NUMBER: SA2XXDIP-B1005D330UB50-4F0-XX-W2A-A4

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	19.97	21.08	20.65	21.78	22.60	17.46	18.58	18.15	19.27	20.10
	3H	20.80	21.80	21.50	22.51	23.36	18.82	19.82	19.53	20.53	21.39
	4H	20.98	21.92	21.70	22.64	23.51	19.30	20.24	20.02	20.96	21.83
	6H	21.04	21.90	21.77	22.63	23.51	19.62	20.48	20.35	21.21	22.09
	8H	21.02	21.85	21.77	22.60	23.48	19.71	20.53	20.45	21.28	22.17
	12H	20.99	21.78	21.74	22.52	23.43	19.76	20.54	20.51	21.29	22.20
4H	2H	20.04	20.98	20.76	21.70	22.57	17.94	18.88	18.66	19.60	20.46
	3H	21.04	21.82	21.78	22.58	23.46	19.42	20.20	20.16	20.96	21.84
	4H	21.33	22.04	22.08	22.80	23.71	19.96	20.67	20.72	21.43	22.34
	6H	21.47	22.08	22.24	22.87	23.79	20.36	20.97	21.13	21.75	22.67
	8H	21.48	22.05	22.25	22.83	23.76	20.47	21.04	21.25	21.82	22.76
	12H	21.45	21.96	22.24	22.77	23.70	20.54	21.05	21.33	21.86	22.79
8H	4H	21.36	21.93	22.13	22.71	23.64	20.12	20.70	20.90	21.48	22.41
	6H	21.54	22.01	22.35	22.84	23.77	20.57	21.04	21.37	21.86	22.80
	8H	21.57	21.99	22.39	22.82	23.77	20.72	21.14	21.54	21.96	22.91
	12H	21.57	21.94	22.39	22.75	23.76	20.82	21.19	21.64	22.00	23.01
12H	4H	21.32	21.84	22.12	22.64	23.58	20.11	20.62	20.90	21.43	22.36
	6H	21.52	21.94	22.34	22.76	23.72	20.57	20.99	21.38	21.81	22.76
	8H	21.57	21.94	22.38	22.75	23.76	20.74	21.11	21.55	21.92	22.93