

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: P998998

Luminaire Tested: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998998
REPORT IS A COMBINATION OF REPORTS P984744 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

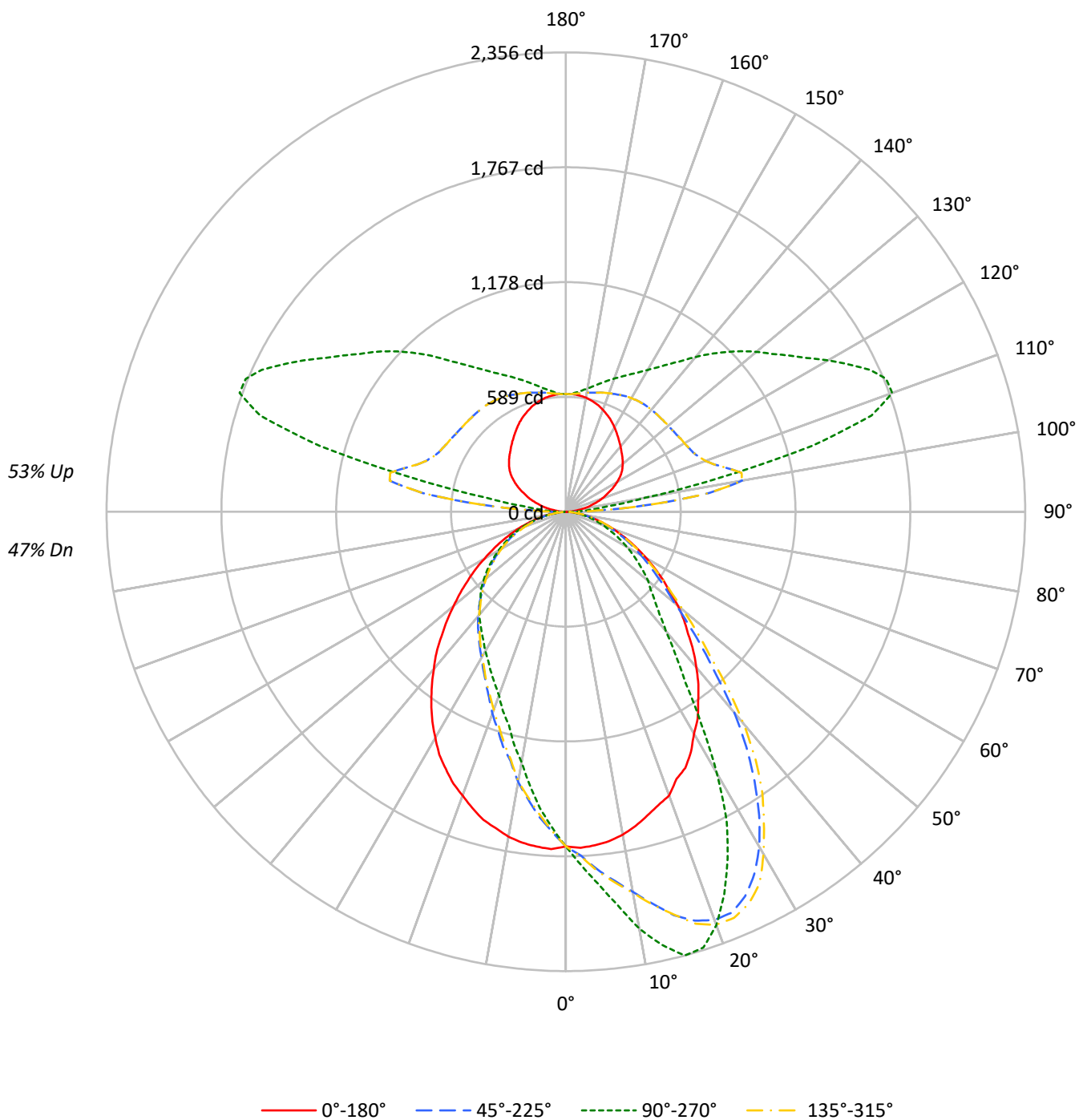
Lumens per Lamp: N/A
Luminaire Lumens: 7994.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 81.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47
1	98	94	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41
2	89	82	76	71	82	76	71	67	64	60	57	53	50	48	43	41	40	35	35	35
3	82	73	66	60	75	67	61	56	57	52	49	47	44	41	38	36	34	30	30	30
4	75	65	57	51	69	60	53	48	51	46	42	42	39	36	35	32	30	26	26	26
5	69	58	50	44	63	54	47	41	46	40	36	38	34	31	31	29	26	23	23	23
6	64	52	44	38	58	48	41	36	41	36	32	35	31	28	29	26	23	21	21	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	26	23	21	18	18	18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	17	17	17
9	51	39	32	27	47	37	30	26	32	26	23	27	23	20	23	19	17	15	15	15
10	48	36	29	24	44	34	27	23	29	24	21	25	21	18	21	18	16	14	14	14

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 28078 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	2.0
10°-20°	475.7	6.0
20°-30°	690.4	8.6
30°-40°	727.8	9.1
40°-50°	644.1	8.1
50°-60°	514.3	6.4
60°-70°	349.3	4.4
70°-80°	178.7	2.2
80°-90°	46.1	0.6
90°-100°	235.3	2.9
100°-110°	828.8	10.4
110°-120°	870.4	10.9
120°-130°	716.1	9.0
130°-140°	575.3	7.2
140°-150°	434.5	5.4
150°-160°	305.5	3.8
160°-170°	179.8	2.2
170°-180°	58.5	0.7
0°-30°	1329.6	16.6
0°-40°	2057.4	25.7
0°-60°	3215.7	40.2
0°-90°	3789.9	47.4
90°-120°	1934.5	24.2
90°-150°	3660.3	45.8
90°-180°	4204.0	52.6
0°-180°	7994.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1716	1716	1716	1716	1716	
5°	1717	1916	1724	1525	1717	163
15°	1613	2356	1636	1130	1613	456
25°	1450	1963	1456	908	1450	663
35°	1183	1068	1203	753	1183	740
45°	888	644	902	619	888	689
55°	609	452	613	479	609	544
65°	361	278	368	323	361	359
75°	169	137	175	164	169	181
85°	34	36	37	26	34	40
90°	1	38	1	38	1	5
95°	41	132	41	132	41	42
105°	142	1308	142	1308	142	150
115°	250	1722	250	1722	250	248
125°	348	1397	348	1397	348	310
135°	409	1158	409	1158	409	316
145°	467	924	467	924	467	293
155°	531	777	531	777	531	244
165°	578	682	578	682	578	163
175°	602	614	602	614	602	57
180°	604	604	604	604	604	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1725.2	1729.2	1735.8	1737.1	1750.3	1760.8	1772.7	1772.7	1776.7	1775.3	1764.8
5°	1717.3	1729.2	1746.3	1760.8	1784.6	1795.1	1811.0	1822.8	1833.4	1841.3	1840.0
7.5°	1704.1	1725.2	1750.3	1778.0	1809.6	1828.1	1850.5	1871.6	1886.1	1899.3	1908.6
10°	1681.7	1717.3	1751.6	1788.5	1829.4	1854.5	1880.9	1908.6	1931.0	1956.0	1979.8
12.5°	1651.4	1702.8	1745.0	1793.8	1843.9	1871.6	1913.8	1934.9	1978.5	2041.8	2058.9
15°	1613.1	1683.0	1722.6	1784.6	1850.5	1873.0	1931.0	1965.3	2055.0	2094.5	2142.0
17.5°	1577.5	1655.3	1708.1	1779.3	1843.9	1887.5	1944.2	2014.1	2089.3	2146.0	2198.7
20°	1548.5	1623.7	1687.0	1766.1	1847.9	1903.3	1962.6	2047.1	2128.8	2186.9	2227.8
22.5°	1482.5	1578.8	1652.7	1741.1	1840.0	1916.5	1973.2	2065.5	2153.9	2189.5	2225.1
25°	1449.6	1532.7	1618.4	1718.6	1834.7	1925.7	1974.5	2077.4	2155.2	2168.4	2176.3
27.5°	1388.9	1482.5	1582.8	1697.5	1833.4	1909.9	1971.9	2065.5	2127.5	2118.3	2094.5
30°	1313.7	1428.5	1539.2	1663.2	1814.9	1898.0	1956.0	2041.8	2073.4	2026.0	1983.7
32.5°	1258.3	1366.5	1489.1	1632.9	1793.8	1873.0	1929.7	1996.9	2003.5	1917.8	1846.6
35°	1183.1	1303.2	1441.6	1593.3	1758.2	1829.4	1882.2	1923.1	1891.4	1771.4	1687.0
37.5°	1115.9	1234.6	1382.3	1536.6	1709.4	1779.3	1821.5	1828.1	1750.3	1644.8	1520.8
40°	1042.0	1164.7	1319.0	1481.2	1655.3	1716.0	1742.4	1722.6	1610.5	1487.8	1344.0
42.5°	968.1	1089.5	1255.7	1421.9	1586.7	1638.2	1648.7	1594.6	1457.5	1313.7	1147.5
45°	887.7	1014.3	1180.5	1348.0	1507.6	1536.6	1537.9	1460.1	1297.9	1147.5	993.2
47.5°	821.7	939.1	1104.0	1271.5	1406.0	1425.8	1417.9	1328.2	1151.5	982.6	848.1
50°	749.2	861.3	1024.8	1189.7	1304.5	1309.7	1290.0	1162.0	989.2	834.9	728.1
52.5°	671.4	784.8	935.2	1093.4	1196.3	1188.4	1150.1	1013.0	850.7	722.8	641.0
55°	609.4	709.6	850.7	1005.1	1077.6	1055.2	1013.0	873.2	745.2	637.1	565.8
57.5°	540.8	629.2	767.6	902.2	944.4	923.3	881.1	750.5	631.8	550.0	502.5
60°	476.2	556.6	678.0	790.1	823.0	800.6	751.8	634.4	548.7	480.1	444.5
62.5°	416.8	486.7	588.3	691.1	704.3	681.9	639.7	544.7	470.9	416.8	390.4
65°	361.4	427.3	509.1	586.9	598.8	575.1	531.5	463.0	401.0	366.7	341.6
67.5°	307.3	360.1	432.6	489.3	495.9	473.5	437.9	382.5	344.3	307.3	288.9
70°	259.8	299.4	356.1	402.3	404.9	383.8	365.4	315.2	286.2	259.8	245.3
72.5°	213.7	241.4	284.9	319.2	320.5	307.3	290.2	258.5	233.5	215.0	200.5
75°	168.8	192.6	219.0	249.3	248.0	237.4	224.2	204.4	183.3	171.5	164.9
77.5°	129.3	143.8	164.9	184.7	184.7	179.4	171.5	157.0	143.8	131.9	125.3
80°	92.3	101.6	118.7	125.3	127.9	126.6	120.0	109.5	104.2	95.0	92.3
82.5°	59.4	65.9	73.9	80.5	84.4	81.8	80.5	75.2	67.3	64.6	62.0
85°	34.3	36.9	40.9	44.8	46.2	44.8	47.5	43.5	39.6	39.6	38.3
87.5°	14.5	15.8	18.5	18.5	19.8	19.8	18.5	19.8	19.8	18.5	17.1
90°	1.2	4.6	9.3	11.6	13.9	15.6	17.4	23.2	31.3	38.3	39.5
92.5°	17.4	24.4	33.7	39.5	48.8	55.2	61.5	92.9	137.0	176.5	178.8
95°	40.6	45.3	56.9	67.3	85.9	99.8	113.8	167.2	268.2	402.8	455.1
97.5°	60.4	67.3	80.1	95.2	116.1	131.8	147.4	215.9	356.4	573.5	741.8
100°	89.4	92.9	103.3	121.9	145.1	161.4	177.6	239.2	380.8	631.6	917.1
102.5°	116.1	118.4	128.9	147.4	171.8	188.0	204.3	260.1	382.0	609.5	923.0
105°	141.6	146.3	154.4	171.8	197.4	213.6	229.9	284.4	387.8	579.3	860.3
107.5°	169.5	173.0	181.1	197.4	222.9	239.2	255.4	308.8	400.5	563.1	802.2
110°	197.4	202.0	209.0	224.1	248.4	265.2	282.1	333.2	416.8	558.4	762.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	222.9	227.5	235.7	249.6	272.8	290.2	307.7	356.4	434.2	559.6	737.2
115°	249.6	255.4	262.4	276.3	299.5	315.2	330.9	380.8	451.6	564.2	719.8
117.5°	277.5	282.1	289.1	301.8	323.9	340.2	356.4	402.8	470.2	571.2	710.5
120°	303.0	307.7	314.6	325.1	348.3	364.6	380.8	426.1	488.8	578.2	702.4
122.5°	327.4	330.9	337.8	349.4	372.7	389.5	406.3	448.1	505.0	586.3	697.7
125°	348.3	351.8	358.7	372.7	395.9	412.2	428.4	470.2	522.4	594.4	691.9
127.5°	365.7	370.3	379.6	394.7	416.8	433.6	450.4	491.1	538.7	602.5	688.4
130°	380.8	385.4	397.0	413.3	436.5	452.8	469.0	509.7	553.8	611.8	686.1
132.5°	394.7	400.5	413.3	430.7	455.1	471.4	487.6	525.9	568.9	621.1	685.0
135°	408.7	413.3	427.2	444.6	471.3	487.6	503.8	541.0	581.6	628.1	683.8
137.5°	421.4	427.2	441.2	459.7	486.4	501.5	516.6	553.8	592.1	635.0	683.8
140°	436.5	441.2	455.1	473.7	499.2	514.3	529.4	564.2	600.2	639.7	682.6
142.5°	451.6	455.1	467.9	486.4	510.8	524.8	538.7	572.3	607.2	643.2	682.6
145°	466.7	471.3	483.0	500.4	523.6	536.4	549.1	580.5	613.0	645.5	680.3
147.5°	483.0	486.4	498.0	514.3	534.0	545.6	557.3	587.4	616.5	646.6	676.8
150°	499.2	502.7	512.0	527.1	544.5	555.0	565.4	592.1	618.8	645.5	673.3
152.5°	515.5	516.6	525.9	538.7	554.9	564.2	573.5	596.7	619.9	643.2	667.5
155°	530.6	531.7	538.7	551.4	564.2	572.9	581.6	601.4	621.1	640.8	660.6
157.5°	543.3	544.5	550.3	561.9	572.3	579.8	587.4	604.9	621.1	636.2	653.6
160°	556.1	557.3	561.9	571.2	580.5	586.8	593.2	607.2	621.1	632.7	646.6
162.5°	568.9	567.7	572.3	579.3	587.4	592.0	596.7	608.3	619.9	629.2	640.8
165°	578.2	577.0	579.3	586.3	592.1	595.6	599.0	609.5	617.6	624.6	632.7
167.5°	586.3	585.1	587.4	592.1	596.7	599.0	601.4	609.5	616.5	619.9	625.7
170°	594.4	592.1	593.2	596.7	599.0	600.8	602.5	608.3	614.1	616.5	619.9
172.5°	599.0	597.9	596.7	600.2	601.4	602.6	603.7	607.2	610.7	611.8	613.0
175°	602.5	601.4	600.2	602.5	602.5	603.1	603.7	606.0	608.3	607.2	608.3
177.5°	604.9	602.5	601.4	603.7	603.7	603.7	603.7	604.9	607.2	604.9	603.7
180°	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1783.3	1784.6	1787.2	1800.4	1807.0	1808.3	1803.0	1814.9	1818.9	1814.9	1812.3
5°	1867.7	1875.6	1891.4	1908.6	1907.2	1908.6	1916.5	1924.4	1927.0	1916.5	1920.4
7.5°	1941.5	1957.4	1974.5	2000.9	2000.9	2014.1	2019.4	2026.0	2041.8	2033.9	2031.2
10°	2026.0	2047.1	2078.7	2120.9	2122.2	2135.4	2148.6	2169.7	2176.3	2171.0	2173.7
12.5°	2131.5	2172.4	2175.0	2221.2	2242.3	2244.9	2266.0	2262.0	2275.2	2275.2	2297.7
15°	2177.6	2240.9	2276.6	2321.4	2334.6	2318.8	2335.9	2354.4	2355.7	2355.7	2354.4
17.5°	2260.7	2285.8	2321.4	2345.1	2350.4	2350.4	2351.7	2359.7	2354.4	2343.8	2351.7
20°	2277.9	2288.4	2301.6	2299.0	2301.6	2288.4	2275.2	2262.0	2263.4	2256.8	2276.6
22.5°	2246.2	2243.6	2213.2	2193.5	2193.5	2167.1	2142.0	2130.2	2118.3	2122.2	2128.8
25°	2167.1	2126.2	2089.3	2060.2	2053.7	2011.4	1977.1	1966.6	1946.8	1962.6	1965.3
27.5°	2040.5	1994.3	1934.9	1909.9	1875.6	1858.4	1834.7	1803.0	1762.2	1785.9	1781.9
30°	1904.6	1836.0	1787.2	1726.5	1672.5	1668.5	1623.7	1570.9	1549.8	1549.8	1561.7
32.5°	1752.9	1661.9	1590.7	1505.0	1452.2	1429.8	1375.7	1322.9	1334.8	1295.2	1309.7
35°	1576.2	1456.2	1366.5	1283.4	1243.8	1217.4	1147.5	1118.5	1086.8	1068.4	1102.7
37.5°	1407.4	1268.9	1154.1	1063.1	1048.6	1001.1	953.6	935.2	916.7	924.6	923.3
40°	1201.6	1078.9	976.0	904.8	879.8	857.3	825.7	803.3	791.4	798.0	799.3
42.5°	1015.6	912.7	836.2	786.1	765.0	749.2	733.4	714.9	710.9	710.9	716.2
45°	871.8	787.4	736.0	695.1	683.2	671.4	659.5	651.6	648.9	643.7	647.6
47.5°	757.1	689.8	658.2	627.8	614.6	612.0	601.5	597.5	592.2	590.9	592.2
50°	660.8	618.6	589.6	572.4	563.2	559.2	554.0	546.1	543.4	550.0	547.4
52.5°	593.5	554.0	538.1	521.0	515.7	510.4	502.5	503.8	502.5	499.9	499.9
55°	526.3	501.2	485.4	472.2	470.9	465.6	459.0	456.4	455.0	452.4	456.4
57.5°	472.2	452.4	437.9	426.0	420.8	420.8	414.2	408.9	408.9	407.6	408.9
60°	418.1	398.3	389.1	377.2	373.3	372.0	368.0	365.4	361.4	361.4	361.4
62.5°	368.0	352.2	341.6	331.1	332.4	325.8	320.5	317.9	317.9	319.2	319.2
65°	320.5	310.0	296.8	287.5	284.9	283.6	280.9	279.6	275.7	278.3	278.3
67.5°	277.0	262.5	254.6	250.6	246.6	245.3	242.7	240.1	238.7	237.4	240.1
70°	233.5	221.6	215.0	212.4	208.4	207.1	205.8	201.8	203.1	204.4	205.8
72.5°	193.9	183.3	182.0	174.1	174.1	174.1	168.8	171.5	170.1	167.5	170.1
75°	153.0	147.7	145.1	141.1	142.4	141.1	139.8	135.9	135.9	137.2	138.5
77.5°	121.3	116.1	114.8	110.8	108.2	110.8	108.2	106.8	106.8	108.2	108.2
80°	89.7	87.1	83.1	83.1	83.1	81.8	81.8	81.8	80.5	79.1	80.5
82.5°	59.4	59.4	58.0	56.7	58.0	55.4	56.7	56.7	56.7	56.7	56.7
85°	38.3	36.9	36.9	35.6	35.6	35.6	36.9	34.3	34.3	35.6	35.6
87.5°	17.1	17.1	17.1	18.5	17.1	17.1	17.1	18.5	17.1	17.1	17.1
90°	38.3	37.2	34.8	37.2	37.8	38.3	38.3	38.3	38.3	38.3	38.3
92.5°	149.8	117.3	99.8	87.1	82.4	77.8	76.6	72.0	73.1	70.8	73.1
95°	398.2	304.2	233.3	184.6	171.8	159.0	144.0	134.7	131.2	132.3	131.2
97.5°	747.6	622.3	496.9	379.6	344.8	310.0	264.7	241.5	228.7	221.7	228.7
100°	1084.3	1059.9	916.0	756.9	686.7	616.5	520.1	470.2	436.5	415.6	436.5
102.5°	1209.7	1346.7	1342.1	1236.4	1161.0	1085.5	978.7	884.6	840.5	810.3	840.5
105°	1169.1	1410.5	1541.7	1556.8	1537.6	1518.5	1446.5	1374.6	1324.6	1308.4	1324.6
107.5°	1083.2	1342.1	1537.1	1650.9	1674.1	1697.3	1696.1	1685.7	1670.6	1643.9	1670.6
110°	1003.1	1248.0	1455.8	1604.4	1652.0	1699.6	1749.5	1771.6	1782.0	1780.9	1782.0

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	947.3	1162.1	1359.5	1520.8	1577.1	1633.4	1707.7	1748.4	1770.4	1778.6	1770.4
115°	903.2	1094.8	1273.6	1425.6	1485.4	1545.2	1627.6	1681.0	1711.2	1721.7	1711.2
117.5°	873.0	1039.0	1199.3	1340.9	1397.8	1454.7	1539.4	1596.3	1627.6	1635.8	1627.6
120°	849.8	999.6	1143.5	1266.6	1319.4	1372.2	1453.5	1508.1	1541.7	1553.3	1541.7
122.5°	830.1	968.2	1097.1	1212.0	1258.4	1304.9	1375.7	1429.1	1458.1	1467.4	1458.1
125°	811.5	938.0	1057.6	1159.8	1203.4	1246.9	1314.2	1358.3	1387.3	1396.6	1387.3
127.5°	794.1	907.9	1018.1	1115.7	1156.3	1196.9	1256.1	1297.9	1323.5	1330.4	1323.5
130°	776.7	878.8	978.7	1070.4	1108.7	1147.0	1203.9	1243.4	1266.6	1275.9	1266.6
132.5°	762.7	851.0	941.5	1024.0	1059.4	1094.8	1150.5	1190.0	1210.9	1219.0	1210.9
135°	750.0	825.4	902.1	978.7	1011.2	1043.7	1093.6	1131.9	1152.8	1157.5	1152.8
137.5°	740.7	804.5	870.7	933.4	962.4	991.4	1039.0	1072.7	1091.3	1098.3	1091.3
140°	732.6	784.8	840.5	893.9	919.4	945.0	982.2	1012.3	1029.8	1036.7	1029.8
142.5°	724.4	768.5	813.8	857.9	878.2	898.6	933.4	960.1	975.2	975.2	975.2
145°	717.5	753.5	791.8	827.8	844.6	861.4	889.3	909.0	920.6	924.1	920.6
147.5°	710.5	741.8	773.2	802.2	815.0	827.8	852.1	868.4	876.5	878.8	876.5
150°	701.2	729.1	754.6	779.0	789.4	799.9	817.3	831.2	838.2	839.4	838.2
152.5°	693.1	716.3	739.5	759.3	768.0	776.7	789.4	801.1	805.7	805.7	805.7
155°	682.6	704.7	723.3	740.7	747.1	753.5	766.2	774.3	779.0	776.7	779.0
157.5°	673.3	690.8	707.0	722.1	727.4	732.6	741.8	748.8	751.1	751.1	751.1
160°	662.9	678.0	690.8	703.5	707.6	711.7	719.8	725.6	726.8	726.8	726.8
162.5°	653.6	665.2	675.7	686.1	689.0	691.9	700.0	703.5	704.7	703.5	704.7
165°	643.2	652.5	660.6	668.7	671.0	673.3	678.0	682.6	682.6	681.5	682.6
167.5°	632.7	639.7	646.6	652.5	654.8	657.1	659.4	661.7	661.7	660.6	661.7
170°	624.6	630.4	633.9	638.5	639.6	640.8	642.0	645.5	644.3	642.0	644.3
172.5°	616.5	619.9	622.3	625.7	626.3	626.9	628.1	629.2	628.1	626.9	628.1
175°	609.5	613.0	614.1	615.3	615.9	616.5	616.5	617.6	616.5	614.1	616.5
177.5°	604.9	607.2	607.2	608.3	608.3	608.3	608.3	608.3	607.2	604.9	607.2
180°	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1818.9	1809.6	1801.7	1803.0	1809.6	1804.4	1791.2	1774.0	1767.4	1759.5	1767.4
5°	1928.3	1920.4	1904.6	1905.9	1902.0	1896.7	1875.6	1849.2	1849.2	1828.1	1825.5
7.5°	2036.5	2024.6	2014.1	2011.4	1996.9	1986.4	1967.9	1931.0	1916.5	1891.4	1876.9
10°	2157.8	2148.6	2136.7	2122.2	2114.3	2095.9	2065.5	2011.4	1985.1	1950.8	1925.7
12.5°	2280.5	2279.2	2252.8	2223.8	2222.5	2193.5	2172.4	2099.8	2064.2	2018.0	1958.7
15°	2358.3	2351.7	2337.2	2322.7	2326.7	2295.0	2247.5	2161.8	2138.1	2082.7	2019.4
17.5°	2357.0	2357.0	2353.1	2350.4	2346.5	2337.2	2310.9	2254.1	2215.9	2146.0	2086.6
20°	2281.8	2299.0	2302.9	2301.6	2314.8	2321.4	2320.1	2284.5	2254.1	2192.1	2131.5
22.5°	2131.5	2171.0	2188.2	2198.7	2226.4	2240.9	2275.2	2262.0	2254.1	2208.0	2156.5
25°	1991.7	2004.8	2056.3	2058.9	2097.2	2132.8	2167.1	2189.5	2218.5	2201.4	2157.8
27.5°	1811.0	1841.3	1878.2	1905.9	1913.8	1986.4	2043.1	2085.3	2151.3	2156.5	2142.0
30°	1606.5	1621.0	1681.7	1718.6	1760.8	1813.6	1895.4	1967.9	2027.3	2081.3	2099.8
32.5°	1357.2	1416.6	1452.2	1497.0	1534.0	1627.6	1727.9	1821.5	1890.1	1981.1	2020.7
35°	1129.0	1175.2	1235.9	1254.3	1321.6	1400.8	1531.3	1651.4	1755.6	1847.9	1928.3
37.5°	940.4	977.4	1042.0	1071.0	1110.6	1212.1	1321.6	1470.7	1596.0	1709.4	1809.6
40°	811.2	838.9	887.7	896.9	929.9	1022.2	1110.6	1250.4	1416.6	1569.6	1679.1
42.5°	722.8	736.0	769.0	780.8	801.9	863.9	943.1	1075.0	1229.3	1387.6	1541.9
45°	659.5	668.7	688.5	699.1	725.4	753.1	817.8	923.3	1044.6	1204.2	1370.4
47.5°	602.8	614.6	622.6	629.2	643.7	674.0	716.2	794.0	910.1	1056.5	1217.4
50°	555.3	559.2	573.8	575.1	584.3	604.1	643.7	691.1	783.5	902.2	1057.8
52.5°	507.8	511.8	521.0	530.2	534.2	550.0	576.4	616.0	684.6	778.2	916.7
55°	460.3	465.6	474.8	481.4	485.4	498.6	514.4	552.7	606.7	672.7	786.1
57.5°	412.8	424.7	427.3	431.3	437.9	452.4	466.9	489.3	531.5	592.2	675.3
60°	368.0	372.0	381.2	385.1	391.7	399.7	418.1	435.3	465.6	513.1	588.3
62.5°	321.8	331.1	335.0	339.0	344.3	353.5	365.4	383.8	410.2	448.5	507.8
65°	282.3	283.6	291.5	296.8	302.0	308.6	320.5	337.7	353.5	389.1	432.6
67.5°	244.0	246.6	249.3	254.6	261.2	267.8	278.3	287.5	307.3	331.1	365.4
70°	207.1	207.1	213.7	217.6	216.3	224.2	232.1	242.7	257.2	279.6	307.3
72.5°	174.1	172.8	178.1	179.4	182.0	187.3	192.6	203.1	211.0	228.2	249.3
75°	138.5	141.1	143.8	143.8	147.7	151.7	157.0	162.2	171.5	182.0	197.8
77.5°	109.5	109.5	112.1	113.4	117.4	116.1	121.3	126.6	133.2	142.4	154.3
80°	80.5	83.1	83.1	83.1	84.4	85.7	91.0	95.0	98.9	105.5	110.8
82.5°	56.7	56.7	59.4	59.4	59.4	62.0	62.0	63.3	65.9	69.9	73.9
85°	35.6	35.6	35.6	36.9	35.6	36.9	39.6	38.3	39.6	42.2	42.2
87.5°	17.1	17.1	17.1	17.1	17.1	18.5	17.1	18.5	19.8	19.8	19.8
90°	38.3	38.3	38.3	37.8	37.2	34.8	37.2	38.3	39.5	38.3	31.3
92.5°	72.0	76.6	77.8	82.4	87.1	99.8	117.3	149.8	178.8	176.5	137.0
95°	134.7	144.0	159.0	171.8	184.6	233.3	304.2	398.2	455.1	402.8	268.2
97.5°	241.5	264.7	310.0	344.8	379.6	496.9	622.3	747.6	741.8	573.5	356.4
100°	470.2	520.1	616.5	686.7	756.9	916.0	1059.9	1084.3	917.1	631.6	380.8
102.5°	884.6	978.7	1085.5	1161.0	1236.4	1342.1	1346.7	1209.7	923.0	609.5	382.0
105°	1374.6	1446.5	1518.5	1537.6	1556.8	1541.7	1410.5	1169.1	860.3	579.3	387.8
107.5°	1685.7	1696.1	1697.3	1674.1	1650.9	1537.1	1342.1	1083.2	802.2	563.1	400.5
110°	1771.6	1749.5	1699.6	1652.0	1604.4	1455.8	1248.0	1003.1	762.7	558.4	416.8

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1748.4	1707.7	1633.4	1577.1	1520.8	1359.5	1162.1	947.3	737.2	559.6	434.2
115°	1681.0	1627.6	1545.2	1485.4	1425.6	1273.6	1094.8	903.2	719.8	564.2	451.6
117.5°	1596.3	1539.4	1454.7	1397.8	1340.9	1199.3	1039.0	873.0	710.5	571.2	470.2
120°	1508.1	1453.5	1372.2	1319.4	1266.6	1143.5	999.6	849.8	702.4	578.2	488.8
122.5°	1429.1	1375.7	1304.9	1258.4	1212.0	1097.1	968.2	830.1	697.7	586.3	505.0
125°	1358.3	1314.2	1246.9	1203.4	1159.8	1057.6	938.0	811.5	691.9	594.4	522.4
127.5°	1297.9	1256.1	1196.9	1156.3	1115.7	1018.1	907.9	794.1	688.4	602.5	538.7
130°	1243.4	1203.9	1147.0	1108.7	1070.4	978.7	878.8	776.7	686.1	611.8	553.8
132.5°	1190.0	1150.5	1094.8	1059.4	1024.0	941.5	851.0	762.7	685.0	621.1	568.9
135°	1131.9	1093.6	1043.7	1011.2	978.7	902.1	825.4	750.0	683.8	628.1	581.6
137.5°	1072.7	1039.0	991.4	962.4	933.4	870.7	804.5	740.7	683.8	635.0	592.1
140°	1012.3	982.2	945.0	919.4	893.9	840.5	784.8	732.6	682.6	639.7	600.2
142.5°	960.1	933.4	898.6	878.2	857.9	813.8	768.5	724.4	682.6	643.2	607.2
145°	909.0	889.3	861.4	844.6	827.8	791.8	753.5	717.5	680.3	645.5	613.0
147.5°	868.4	852.1	827.8	815.0	802.2	773.2	741.8	710.5	676.8	646.6	616.5
150°	831.2	817.3	799.9	789.4	779.0	754.6	729.1	701.2	673.3	645.5	618.8
152.5°	801.1	789.4	776.7	768.0	759.3	739.5	716.3	693.1	667.5	643.2	619.9
155°	774.3	766.2	753.5	747.1	740.7	723.3	704.7	682.6	660.6	640.8	621.1
157.5°	748.8	741.8	732.6	727.4	722.1	707.0	690.8	673.3	653.6	636.2	621.1
160°	725.6	719.8	711.7	707.6	703.5	690.8	678.0	662.9	646.6	632.7	621.1
162.5°	703.5	700.0	691.9	689.0	686.1	675.7	665.2	653.6	640.8	629.2	619.9
165°	682.6	678.0	673.3	671.0	668.7	660.6	652.5	643.2	632.7	624.6	617.6
167.5°	661.7	659.4	657.1	654.8	652.5	646.6	639.7	632.7	625.7	619.9	616.5
170°	645.5	642.0	640.8	639.6	638.5	633.9	630.4	624.6	619.9	616.5	614.1
172.5°	629.2	628.1	626.9	626.3	625.7	622.3	619.9	616.5	613.0	611.8	610.7
175°	617.6	616.5	616.5	615.9	615.3	614.1	613.0	609.5	608.3	607.2	608.3
177.5°	608.3	608.3	608.3	608.3	608.3	607.2	607.2	604.9	603.7	604.9	607.2
180°	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1760.8	1754.2	1750.3	1752.9	1745.0	1725.2	1725.2	1731.8	1723.9	1716.0	1704.1
5°	1809.6	1796.4	1788.5	1787.2	1768.8	1737.1	1730.5	1723.9	1706.8	1688.3	1668.5
7.5°	1857.1	1833.4	1820.2	1811.0	1784.6	1743.7	1726.5	1712.0	1684.3	1656.6	1631.6
10°	1896.7	1862.4	1846.6	1832.1	1797.8	1746.3	1718.6	1692.2	1656.6	1621.0	1589.4
12.5°	1928.3	1888.8	1869.0	1847.9	1805.7	1738.4	1704.1	1661.9	1626.3	1578.8	1547.2
15°	1981.1	1899.3	1880.9	1861.1	1817.6	1725.2	1683.0	1635.5	1586.7	1523.4	1489.1
17.5°	2023.3	1913.8	1912.5	1870.3	1813.6	1719.9	1655.3	1593.3	1540.6	1477.3	1423.2
20°	2048.4	1936.3	1915.2	1871.6	1800.4	1684.3	1617.1	1548.5	1491.8	1415.3	1361.2
22.5°	2069.5	1967.9	1912.5	1859.8	1772.7	1672.5	1573.5	1508.9	1431.1	1348.0	1296.6
25°	2077.4	1974.5	1916.5	1855.8	1752.9	1638.2	1526.1	1456.2	1369.1	1293.9	1224.0
27.5°	2078.7	1973.2	1902.0	1838.7	1725.2	1593.3	1478.6	1404.7	1308.4	1221.4	1151.5
30°	2065.5	1958.7	1894.1	1825.5	1698.8	1552.4	1420.5	1338.8	1235.9	1148.8	1076.3
32.5°	2026.0	1929.7	1876.9	1801.7	1664.6	1495.7	1365.1	1274.1	1166.0	1080.2	1010.3
35°	1960.0	1894.1	1836.0	1766.1	1619.7	1443.0	1309.7	1202.9	1093.4	1011.7	945.7
37.5°	1878.2	1842.6	1788.5	1719.9	1568.3	1395.5	1247.8	1129.0	1019.6	940.4	875.8
40°	1767.4	1776.7	1723.9	1661.9	1507.6	1330.8	1167.3	1053.9	951.0	877.1	813.8
42.5°	1647.4	1685.7	1655.3	1596.0	1440.3	1259.6	1107.9	982.6	882.4	805.9	753.1
45°	1518.1	1584.1	1565.6	1522.1	1370.4	1184.4	1023.5	902.2	813.8	739.9	693.8
47.5°	1377.0	1470.7	1470.7	1439.0	1292.6	1109.3	951.0	827.0	739.9	687.2	642.3
50°	1233.2	1338.8	1355.9	1334.8	1205.5	1023.5	862.6	750.5	675.3	623.9	590.9
52.5°	1082.9	1205.5	1237.2	1226.7	1113.2	941.8	790.1	680.6	612.0	567.2	538.1
55°	939.1	1081.6	1115.9	1119.8	1014.3	852.1	709.6	613.3	547.4	517.0	492.0
57.5°	803.3	940.4	978.7	985.3	914.1	770.3	634.4	550.0	490.7	465.6	445.8
60°	687.2	801.9	852.1	866.6	804.6	675.3	564.5	482.7	437.9	414.2	395.7
62.5°	592.2	684.6	737.3	741.3	713.6	592.2	492.0	423.4	385.1	364.0	354.8
65°	499.9	583.0	614.6	630.5	608.0	513.1	424.7	368.0	337.7	319.2	310.0
67.5°	426.0	478.8	505.2	526.3	503.8	432.6	361.4	315.2	292.8	274.3	269.1
70°	349.5	393.1	412.8	433.9	414.2	360.1	308.6	266.4	246.6	232.1	225.5
72.5°	279.6	313.9	332.4	345.6	333.7	288.9	246.6	217.6	203.1	192.6	188.6
75°	221.6	245.3	255.9	265.1	259.8	225.5	199.2	175.4	162.2	153.0	150.4
77.5°	168.8	186.0	197.8	200.5	193.9	171.5	149.0	134.5	124.0	118.7	116.1
80°	120.0	130.6	137.2	141.1	134.5	125.3	109.5	98.9	89.7	83.1	81.8
82.5°	80.5	85.7	91.0	89.7	87.1	79.1	69.9	64.6	60.7	55.4	55.4
85°	46.2	47.5	50.1	51.4	50.1	44.8	39.6	36.9	34.3	30.3	30.3
87.5°	19.8	21.1	21.1	22.4	19.8	19.8	17.1	14.5	14.5	13.2	11.9
90°	23.2	17.4	15.6	13.9	11.6	9.3	4.6	1.2	4.6	9.3	11.6
92.5°	92.9	61.5	55.2	48.8	39.5	33.7	24.4	17.4	24.4	33.7	39.5
95°	167.2	113.8	99.8	85.9	67.3	56.9	45.3	40.6	45.3	56.9	67.3
97.5°	215.9	147.4	131.8	116.1	95.2	80.1	67.3	60.4	67.3	80.1	95.2
100°	239.2	177.6	161.4	145.1	121.9	103.3	92.9	89.4	92.9	103.3	121.9
102.5°	260.1	204.3	188.0	171.8	147.4	128.9	118.4	116.1	118.4	128.9	147.4
105°	284.4	229.9	213.6	197.4	171.8	154.4	146.3	141.6	146.3	154.4	171.8
107.5°	308.8	255.4	239.2	222.9	197.4	181.1	173.0	169.5	173.0	181.1	197.4
110°	333.2	282.1	265.2	248.4	224.1	209.0	202.0	197.4	202.0	209.0	224.1

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	356.4	307.7	290.2	272.8	249.6	235.7	227.5	222.9	227.5	235.7	249.6
115°	380.8	330.9	315.2	299.5	276.3	262.4	255.4	249.6	255.4	262.4	276.3
117.5°	402.8	356.4	340.2	323.9	301.8	289.1	282.1	277.5	282.1	289.1	301.8
120°	426.1	380.8	364.6	348.3	325.1	314.6	307.7	303.0	307.7	314.6	325.1
122.5°	448.1	406.3	389.5	372.7	349.4	337.8	330.9	327.4	330.9	337.8	349.4
125°	470.2	428.4	412.2	395.9	372.7	358.7	351.8	348.3	351.8	358.7	372.7
127.5°	491.1	450.4	433.6	416.8	394.7	379.6	370.3	365.7	370.3	379.6	394.7
130°	509.7	469.0	452.8	436.5	413.3	397.0	385.4	380.8	385.4	397.0	413.3
132.5°	525.9	487.6	471.4	455.1	430.7	413.3	400.5	394.7	400.5	413.3	430.7
135°	541.0	503.8	487.6	471.3	444.6	427.2	413.3	408.7	413.3	427.2	444.6
137.5°	553.8	516.6	501.5	486.4	459.7	441.2	427.2	421.4	427.2	441.2	459.7
140°	564.2	529.4	514.3	499.2	473.7	455.1	441.2	436.5	441.2	455.1	473.7
142.5°	572.3	538.7	524.8	510.8	486.4	467.9	455.1	451.6	455.1	467.9	486.4
145°	580.5	549.1	536.4	523.6	500.4	483.0	471.3	466.7	471.3	483.0	500.4
147.5°	587.4	557.3	545.6	534.0	514.3	498.0	486.4	483.0	486.4	498.0	514.3
150°	592.1	565.4	555.0	544.5	527.1	512.0	502.7	499.2	502.7	512.0	527.1
152.5°	596.7	573.5	564.2	554.9	538.7	525.9	516.6	515.5	516.6	525.9	538.7
155°	601.4	581.6	572.9	564.2	551.4	538.7	531.7	530.6	531.7	538.7	551.4
157.5°	604.9	587.4	579.8	572.3	561.9	550.3	544.5	543.3	544.5	550.3	561.9
160°	607.2	593.2	586.8	580.5	571.2	561.9	557.3	556.1	557.3	561.9	571.2
162.5°	608.3	596.7	592.0	587.4	579.3	572.3	567.7	568.9	567.7	572.3	579.3
165°	609.5	599.0	595.6	592.1	586.3	579.3	577.0	578.2	577.0	579.3	586.3
167.5°	609.5	601.4	599.0	596.7	592.1	587.4	585.1	586.3	585.1	587.4	592.1
170°	608.3	602.5	600.8	599.0	596.7	593.2	592.1	594.4	592.1	593.2	596.7
172.5°	607.2	603.7	602.6	601.4	600.2	596.7	597.9	599.0	597.9	596.7	600.2
175°	606.0	603.7	603.1	602.5	602.5	600.2	601.4	602.5	601.4	600.2	602.5
177.5°	604.9	603.7	603.7	603.7	603.7	601.4	602.5	604.9	602.5	601.4	603.7
180°	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1697.5	1704.1	1702.8	1689.6	1675.1	1663.2	1640.8	1643.4	1635.5	1636.9	1644.8
5°	1655.3	1655.3	1650.0	1631.6	1607.8	1594.6	1569.6	1563.0	1547.2	1545.8	1544.5
7.5°	1610.5	1603.9	1597.3	1570.9	1541.9	1520.8	1486.5	1478.6	1462.7	1452.2	1446.9
10°	1557.7	1548.5	1535.3	1505.0	1469.3	1443.0	1407.4	1396.8	1366.5	1353.3	1345.4
12.5°	1499.7	1494.4	1473.3	1448.2	1390.2	1361.2	1309.7	1320.3	1290.0	1263.6	1259.6
15°	1441.6	1421.9	1410.0	1369.1	1299.2	1286.0	1245.1	1224.0	1196.3	1175.2	1175.2
17.5°	1384.9	1354.6	1328.2	1284.7	1233.2	1196.3	1166.0	1155.4	1121.1	1100.0	1096.1
20°	1309.7	1275.5	1268.9	1206.9	1171.3	1130.4	1101.3	1075.0	1049.9	1040.7	1034.1
22.5°	1238.5	1199.0	1188.4	1135.6	1100.0	1059.1	1030.1	1011.7	993.2	986.6	974.7
25°	1162.0	1138.3	1122.5	1065.7	1026.2	987.9	968.1	954.9	937.8	936.5	928.6
27.5°	1088.2	1065.7	1049.9	995.8	966.8	931.2	915.4	900.9	891.6	887.7	883.7
30°	1024.8	999.8	981.3	941.8	906.1	877.1	863.9	854.7	849.4	842.8	841.5
32.5°	954.9	940.4	915.4	885.0	857.3	829.6	821.7	815.1	807.2	804.6	803.3
35°	895.6	875.8	860.0	825.7	813.8	790.1	780.8	775.6	765.0	762.4	759.7
37.5°	837.6	819.1	801.9	780.8	758.4	745.2	739.9	732.0	726.8	728.1	725.4
40°	779.5	765.0	751.8	729.4	716.2	709.6	699.1	691.1	688.5	689.8	688.5
42.5°	722.8	709.6	701.7	684.6	671.4	664.8	658.2	650.3	654.2	654.2	658.2
45°	671.4	659.5	654.2	641.0	633.1	622.6	616.0	614.6	619.9	618.6	618.6
47.5°	618.6	614.6	608.0	596.2	585.6	579.0	577.7	577.7	583.0	585.6	584.3
50°	577.7	569.8	561.9	552.7	544.7	542.1	538.1	540.8	546.1	546.1	548.7
52.5°	526.3	521.0	518.4	510.4	505.2	505.2	505.2	506.5	510.4	514.4	513.1
55°	481.4	477.5	474.8	470.9	464.3	465.6	464.3	466.9	470.9	474.8	477.5
57.5°	433.9	432.6	430.0	423.4	423.4	422.1	426.0	427.3	433.9	436.6	440.5
60°	391.7	387.8	387.8	382.5	382.5	382.5	386.5	390.4	395.7	397.0	399.7
62.5°	346.9	346.9	345.6	341.6	341.6	345.6	346.9	352.2	354.8	354.8	358.8
65°	304.7	303.4	302.0	303.4	304.7	304.7	308.6	311.3	313.9	315.2	316.6
67.5°	262.5	261.2	263.8	262.5	265.1	270.4	269.1	273.0	277.0	277.0	278.3
70°	222.9	225.5	224.2	226.9	225.5	228.2	232.1	233.5	233.5	234.8	238.7
72.5°	186.0	186.0	186.0	184.7	186.0	188.6	191.3	192.6	195.2	196.5	200.5
75°	150.4	150.4	147.7	150.4	150.4	153.0	155.6	155.6	155.6	158.3	162.2
77.5°	113.4	114.8	113.4	116.1	116.1	117.4	120.0	118.7	121.3	122.7	124.0
80°	83.1	81.8	81.8	81.8	83.1	83.1	85.7	87.1	87.1	91.0	88.4
82.5°	52.8	54.1	52.8	54.1	54.1	55.4	54.1	55.4	56.7	59.4	58.0
85°	30.3	29.0	29.0	30.3	29.0	29.0	30.3	29.0	30.3	29.0	30.3
87.5°	11.9	10.6	10.6	10.6	10.6	9.2	9.2	7.9	7.9	7.9	6.6
90°	13.9	15.6	17.4	23.2	31.3	38.3	39.5	38.3	37.2	34.8	37.2
92.5°	48.8	55.2	61.5	92.9	137.0	176.5	178.8	149.8	117.3	99.8	87.1
95°	85.9	99.8	113.8	167.2	268.2	402.8	455.1	398.2	304.2	233.3	184.6
97.5°	116.1	131.8	147.4	215.9	356.4	573.5	741.8	747.6	622.3	496.9	379.6
100°	145.1	161.4	177.6	239.2	380.8	631.6	917.1	1084.3	1059.9	916.0	756.9
102.5°	171.8	188.0	204.3	260.1	382.0	609.5	923.0	1209.7	1346.7	1342.1	1236.4
105°	197.4	213.6	229.9	284.4	387.8	579.3	860.3	1169.1	1410.5	1541.7	1556.8
107.5°	222.9	239.2	255.4	308.8	400.5	563.1	802.2	1083.2	1342.1	1537.1	1650.9
110°	248.4	265.2	282.1	333.2	416.8	558.4	762.7	1003.1	1248.0	1455.8	1604.4

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	272.8	290.2	307.7	356.4	434.2	559.6	737.2	947.3	1162.1	1359.5	1520.8
115°	299.5	315.2	330.9	380.8	451.6	564.2	719.8	903.2	1094.8	1273.6	1425.6
117.5°	323.9	340.2	356.4	402.8	470.2	571.2	710.5	873.0	1039.0	1199.3	1340.9
120°	348.3	364.6	380.8	426.1	488.8	578.2	702.4	849.8	999.6	1143.5	1266.6
122.5°	372.7	389.5	406.3	448.1	505.0	586.3	697.7	830.1	968.2	1097.1	1212.0
125°	395.9	412.2	428.4	470.2	522.4	594.4	691.9	811.5	938.0	1057.6	1159.8
127.5°	416.8	433.6	450.4	491.1	538.7	602.5	688.4	794.1	907.9	1018.1	1115.7
130°	436.5	452.8	469.0	509.7	553.8	611.8	686.1	776.7	878.8	978.7	1070.4
132.5°	455.1	471.4	487.6	525.9	568.9	621.1	685.0	762.7	851.0	941.5	1024.0
135°	471.3	487.6	503.8	541.0	581.6	628.1	683.8	750.0	825.4	902.1	978.7
137.5°	486.4	501.5	516.6	553.8	592.1	635.0	683.8	740.7	804.5	870.7	933.4
140°	499.2	514.3	529.4	564.2	600.2	639.7	682.6	732.6	784.8	840.5	893.9
142.5°	510.8	524.8	538.7	572.3	607.2	643.2	682.6	724.4	768.5	813.8	857.9
145°	523.6	536.4	549.1	580.5	613.0	645.5	680.3	717.5	753.5	791.8	827.8
147.5°	534.0	545.6	557.3	587.4	616.5	646.6	676.8	710.5	741.8	773.2	802.2
150°	544.5	555.0	565.4	592.1	618.8	645.5	673.3	701.2	729.1	754.6	779.0
152.5°	554.9	564.2	573.5	596.7	619.9	643.2	667.5	693.1	716.3	739.5	759.3
155°	564.2	572.9	581.6	601.4	621.1	640.8	660.6	682.6	704.7	723.3	740.7
157.5°	572.3	579.8	587.4	604.9	621.1	636.2	653.6	673.3	690.8	707.0	722.1
160°	580.5	586.8	593.2	607.2	621.1	632.7	646.6	662.9	678.0	690.8	703.5
162.5°	587.4	592.0	596.7	608.3	619.9	629.2	640.8	653.6	665.2	675.7	686.1
165°	592.1	595.6	599.0	609.5	617.6	624.6	632.7	643.2	652.5	660.6	668.7
167.5°	596.7	599.0	601.4	609.5	616.5	619.9	625.7	632.7	639.7	646.6	652.5
170°	599.0	600.8	602.5	608.3	614.1	616.5	619.9	624.6	630.4	633.9	638.5
172.5°	601.4	602.6	603.7	607.2	610.7	611.8	613.0	616.5	619.9	622.3	625.7
175°	602.5	603.1	603.7	606.0	608.3	607.2	608.3	609.5	613.0	614.1	615.3
177.5°	603.7	603.7	603.7	604.9	607.2	604.9	603.7	604.9	607.2	607.2	608.3
180°	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1635.5	1639.5	1630.3	1627.6	1630.3	1621.0	1623.7	1626.3	1626.3	1630.3	1632.9
5°	1540.6	1535.3	1526.1	1523.4	1520.8	1524.7	1522.1	1526.1	1527.4	1536.6	1537.9
7.5°	1446.9	1439.0	1431.1	1423.2	1420.5	1413.9	1420.5	1420.5	1429.8	1427.1	1433.7
10°	1336.1	1334.8	1324.3	1320.3	1315.0	1304.5	1319.0	1315.0	1321.6	1333.5	1336.1
12.5°	1254.3	1239.8	1246.4	1228.0	1234.6	1224.0	1225.3	1225.3	1235.9	1237.2	1234.6
15°	1176.5	1164.7	1147.5	1139.6	1135.6	1130.4	1147.5	1148.8	1140.9	1159.4	1152.8
17.5°	1097.4	1097.4	1081.6	1077.6	1067.1	1072.3	1069.7	1071.0	1068.4	1081.6	1088.2
20°	1028.8	1022.2	1016.9	1018.3	1005.1	1002.4	999.8	1002.4	1011.7	1020.9	1023.5
22.5°	973.4	969.4	956.3	958.9	948.3	952.3	949.7	956.3	957.6	957.6	966.8
25°	920.6	915.4	916.7	911.4	907.5	907.5	903.5	907.5	912.7	915.4	916.7
27.5°	881.1	877.1	870.5	866.6	869.2	862.6	867.9	871.8	871.8	869.2	871.8
30°	833.6	836.2	836.2	823.0	828.3	825.7	829.6	832.3	832.3	833.6	831.0
32.5°	801.9	794.0	792.7	791.4	791.4	786.1	786.1	790.1	791.4	792.7	796.7
35°	759.7	759.7	753.1	757.1	751.8	753.1	751.8	753.1	755.8	751.8	755.8
37.5°	721.5	722.8	720.2	722.8	724.1	721.5	718.8	724.1	721.5	721.5	718.8
40°	688.5	687.2	688.5	688.5	688.5	689.8	687.2	687.2	687.2	684.6	681.9
42.5°	660.8	652.9	655.5	656.9	652.9	652.9	654.2	652.9	656.9	648.9	648.9
45°	621.2	618.6	619.9	619.9	622.6	618.6	621.2	622.6	618.6	617.3	614.6
47.5°	585.6	588.3	585.6	588.3	588.3	590.9	585.6	586.9	588.3	583.0	579.0
50°	550.0	550.0	554.0	552.7	554.0	551.3	551.3	550.0	551.3	548.7	544.7
52.5°	517.0	513.1	519.7	518.4	517.0	515.7	514.4	515.7	513.1	510.4	510.4
55°	476.2	476.2	480.1	481.4	481.4	478.8	476.2	477.5	476.2	474.8	473.5
57.5°	443.2	437.9	440.5	441.9	441.9	437.9	440.5	437.9	437.9	439.2	435.3
60°	401.0	401.0	398.3	402.3	402.3	399.7	399.7	401.0	398.3	397.0	395.7
62.5°	356.1	357.4	361.4	362.7	364.0	361.4	358.8	360.1	360.1	356.1	357.4
65°	317.9	320.5	325.8	324.5	321.8	323.1	320.5	321.8	317.9	319.2	315.2
67.5°	280.9	279.6	280.9	280.9	283.6	282.3	279.6	279.6	278.3	282.3	278.3
70°	241.4	241.4	241.4	241.4	242.7	244.0	241.4	238.7	240.1	237.4	236.1
72.5°	200.5	201.8	200.5	203.1	199.2	201.8	201.8	200.5	199.2	199.2	199.2
75°	162.2	164.9	160.9	162.2	160.9	163.6	162.2	162.2	159.6	158.3	159.6
77.5°	124.0	125.3	122.7	124.0	122.7	124.0	124.0	122.7	122.7	122.7	122.7
80°	88.4	89.7	88.4	87.1	85.7	88.4	85.7	87.1	88.4	87.1	89.7
82.5°	56.7	56.7	55.4	56.7	54.1	54.1	55.4	55.4	54.1	56.7	54.1
85°	27.7	27.7	30.3	27.7	26.4	26.4	26.4	27.7	26.4	29.0	27.7
87.5°	6.6	5.3	6.6	6.6	5.3	5.3	6.6	5.3	6.6	7.9	5.3
90°	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	37.8
92.5°	82.4	77.8	76.6	72.0	73.1	70.8	73.1	72.0	76.6	77.8	82.4
95°	171.8	159.0	144.0	134.7	131.2	132.3	131.2	134.7	144.0	159.0	171.8
97.5°	344.8	310.0	264.7	241.5	228.7	221.7	228.7	241.5	264.7	310.0	344.8
100°	686.7	616.5	520.1	470.2	436.5	415.6	436.5	470.2	520.1	616.5	686.7
102.5°	1161.0	1085.5	978.7	884.6	840.5	810.3	840.5	884.6	978.7	1085.5	1161.0
105°	1537.6	1518.5	1446.5	1374.6	1324.6	1308.4	1324.6	1374.6	1446.5	1518.5	1537.6
107.5°	1674.1	1697.3	1696.1	1685.7	1670.6	1643.9	1670.6	1685.7	1696.1	1697.3	1674.1
110°	1652.0	1699.6	1749.5	1771.6	1782.0	1780.9	1782.0	1771.6	1749.5	1699.6	1652.0

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1577.1	1633.4	1707.7	1748.4	1770.4	1778.6	1770.4	1748.4	1707.7	1633.4	1577.1
115°	1485.4	1545.2	1627.6	1681.0	1711.2	1721.7	1711.2	1681.0	1627.6	1545.2	1485.4
117.5°	1397.8	1454.7	1539.4	1596.3	1627.6	1635.8	1627.6	1596.3	1539.4	1454.7	1397.8
120°	1319.4	1372.2	1453.5	1508.1	1541.7	1553.3	1541.7	1508.1	1453.5	1372.2	1319.4
122.5°	1258.4	1304.9	1375.7	1429.1	1458.1	1467.4	1458.1	1429.1	1375.7	1304.9	1258.4
125°	1203.4	1246.9	1314.2	1358.3	1387.3	1396.6	1387.3	1358.3	1314.2	1246.9	1203.4
127.5°	1156.3	1196.9	1256.1	1297.9	1323.5	1330.4	1323.5	1297.9	1256.1	1196.9	1156.3
130°	1108.7	1147.0	1203.9	1243.4	1266.6	1275.9	1266.6	1243.4	1203.9	1147.0	1108.7
132.5°	1059.4	1094.8	1150.5	1190.0	1210.9	1219.0	1210.9	1190.0	1150.5	1094.8	1059.4
135°	1011.2	1043.7	1093.6	1131.9	1152.8	1157.5	1152.8	1131.9	1093.6	1043.7	1011.2
137.5°	962.4	991.4	1039.0	1072.7	1091.3	1098.3	1091.3	1072.7	1039.0	991.4	962.4
140°	919.4	945.0	982.2	1012.3	1029.8	1036.7	1029.8	1012.3	982.2	945.0	919.4
142.5°	878.2	898.6	933.4	960.1	975.2	975.2	975.2	960.1	933.4	898.6	878.2
145°	844.6	861.4	889.3	909.0	920.6	924.1	920.6	909.0	889.3	861.4	844.6
147.5°	815.0	827.8	852.1	868.4	876.5	878.8	876.5	868.4	852.1	827.8	815.0
150°	789.4	799.9	817.3	831.2	838.2	839.4	838.2	831.2	817.3	799.9	789.4
152.5°	768.0	776.7	789.4	801.1	805.7	805.7	805.7	801.1	789.4	776.7	768.0
155°	747.1	753.5	766.2	774.3	779.0	776.7	779.0	774.3	766.2	753.5	747.1
157.5°	727.4	732.6	741.8	748.8	751.1	751.1	751.1	748.8	741.8	732.6	727.4
160°	707.6	711.7	719.8	725.6	726.8	726.8	726.8	725.6	719.8	711.7	707.6
162.5°	689.0	691.9	700.0	703.5	704.7	703.5	704.7	703.5	700.0	691.9	689.0
165°	671.0	673.3	678.0	682.6	682.6	681.5	682.6	682.6	678.0	673.3	671.0
167.5°	654.8	657.1	659.4	661.7	661.7	660.6	661.7	661.7	659.4	657.1	654.8
170°	639.6	640.8	642.0	645.5	644.3	642.0	644.3	645.5	642.0	640.8	639.6
172.5°	626.3	626.9	628.1	629.2	628.1	626.9	628.1	629.2	628.1	626.9	626.3
175°	615.9	616.5	616.5	617.6	616.5	614.1	616.5	617.6	616.5	616.5	615.9
177.5°	608.3	608.3	608.3	608.3	607.2	604.9	607.2	608.3	608.3	608.3	608.3
180°	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
2.5°	1628.9	1639.5	1635.5	1621.0	1638.2	1638.2	1650.0	1650.0	1664.6	1669.8	1677.7
5°	1536.6	1544.5	1551.1	1544.5	1556.4	1574.9	1585.4	1594.6	1614.4	1622.3	1634.2
7.5°	1437.7	1452.2	1458.8	1458.8	1478.6	1499.7	1520.8	1534.0	1561.7	1572.2	1584.1
10°	1341.4	1358.5	1371.7	1370.4	1403.4	1416.6	1443.0	1473.3	1501.0	1516.8	1534.0
12.5°	1239.8	1249.1	1267.5	1293.9	1301.8	1325.6	1355.9	1394.2	1444.3	1458.8	1483.9
15°	1155.4	1180.5	1195.0	1206.9	1225.3	1247.8	1280.7	1317.7	1367.8	1399.4	1425.8
17.5°	1084.2	1117.2	1126.4	1123.8	1147.5	1181.8	1220.1	1247.8	1292.6	1330.8	1355.9
20°	1026.2	1039.4	1055.2	1061.8	1080.2	1117.2	1154.1	1185.8	1222.7	1253.0	1282.0
22.5°	968.1	978.7	991.9	1003.7	1018.3	1039.4	1075.0	1114.5	1150.1	1179.2	1212.1
25°	920.6	927.2	939.1	948.3	964.2	978.7	1003.7	1047.3	1089.5	1106.6	1135.6
27.5°	874.5	879.8	887.7	898.2	906.1	920.6	943.1	978.7	1022.2	1039.4	1078.9
30°	833.6	837.6	845.5	850.7	854.7	871.8	889.0	916.7	949.7	973.4	1002.4
32.5°	795.3	799.3	807.2	808.5	813.8	823.0	838.9	863.9	892.9	912.7	937.8
35°	753.1	755.8	763.7	766.3	770.3	778.2	790.1	808.5	834.9	849.4	871.8
37.5°	720.2	718.8	724.1	728.1	733.4	737.3	741.3	759.7	779.5	792.7	809.9
40°	684.6	681.9	683.2	688.5	691.1	696.4	696.4	714.9	728.1	738.6	751.8
42.5°	648.9	647.6	645.0	647.6	650.3	651.6	652.9	666.1	679.3	688.5	703.0
45°	613.3	612.0	609.4	610.7	610.7	613.3	617.3	622.6	631.8	639.7	647.6
47.5°	580.4	577.7	573.8	572.4	575.1	575.1	575.1	580.4	589.6	592.2	600.1
50°	546.1	542.1	536.8	534.2	534.2	532.9	535.5	536.8	544.7	547.4	554.0
52.5°	509.1	506.5	501.2	495.9	497.3	494.6	495.9	497.3	499.9	503.8	507.8
55°	472.2	466.9	463.0	461.6	457.7	457.7	453.7	459.0	457.7	459.0	464.3
57.5°	436.6	431.3	424.7	422.1	418.1	416.8	414.2	412.8	414.2	418.1	422.1
60°	394.4	391.7	387.8	383.8	381.2	377.2	374.6	374.6	373.3	373.3	374.6
62.5°	353.5	352.2	346.9	345.6	342.9	340.3	336.3	333.7	333.7	336.3	337.7
65°	313.9	312.6	308.6	307.3	300.7	298.1	296.8	295.5	292.8	292.8	292.8
67.5°	277.0	273.0	273.0	266.4	261.2	258.5	255.9	254.6	254.6	254.6	255.9
70°	236.1	236.1	232.1	228.2	222.9	224.2	220.3	216.3	216.3	213.7	215.0
72.5°	196.5	195.2	191.3	189.9	186.0	182.0	179.4	182.0	178.1	176.7	178.1
75°	158.3	157.0	154.3	151.7	153.0	149.0	145.1	143.8	143.8	141.1	141.1
77.5°	121.3	124.0	118.7	117.4	114.8	112.1	110.8	109.5	109.5	109.5	112.1
80°	84.4	85.7	85.7	83.1	84.4	80.5	80.5	80.5	76.5	77.8	79.1
82.5°	54.1	54.1	52.8	54.1	52.8	52.8	51.4	51.4	50.1	50.1	51.4
85°	30.3	29.0	27.7	30.3	29.0	29.0	27.7	27.7	27.7	27.7	27.7
87.5°	6.6	7.9	7.9	7.9	7.9	9.2	9.2	9.2	10.6	10.6	10.6
90°	37.2	34.8	37.2	38.3	39.5	38.3	31.3	23.2	17.4	15.6	13.9
92.5°	87.1	99.8	117.3	149.8	178.8	176.5	137.0	92.9	61.5	55.2	48.8
95°	184.6	233.3	304.2	398.2	455.1	402.8	268.2	167.2	113.8	99.8	85.9
97.5°	379.6	496.9	622.3	747.6	741.8	573.5	356.4	215.9	147.4	131.8	116.1
100°	756.9	916.0	1059.9	1084.3	917.1	631.6	380.8	239.2	177.6	161.4	145.1
102.5°	1236.4	1342.1	1346.7	1209.7	923.0	609.5	382.0	260.1	204.3	188.0	171.8
105°	1556.8	1541.7	1410.5	1169.1	860.3	579.3	387.8	284.4	229.9	213.6	197.4
107.5°	1650.9	1537.1	1342.1	1083.2	802.2	563.1	400.5	308.8	255.4	239.2	222.9
110°	1604.4	1455.8	1248.0	1003.1	762.7	558.4	416.8	333.2	282.1	265.2	248.4

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1520.8	1359.5	1162.1	947.3	737.2	559.6	434.2	356.4	307.7	290.2	272.8
115°	1425.6	1273.6	1094.8	903.2	719.8	564.2	451.6	380.8	330.9	315.2	299.5
117.5°	1340.9	1199.3	1039.0	873.0	710.5	571.2	470.2	402.8	356.4	340.2	323.9
120°	1266.6	1143.5	999.6	849.8	702.4	578.2	488.8	426.1	380.8	364.6	348.3
122.5°	1212.0	1097.1	968.2	830.1	697.7	586.3	505.0	448.1	406.3	389.5	372.7
125°	1159.8	1057.6	938.0	811.5	691.9	594.4	522.4	470.2	428.4	412.2	395.9
127.5°	1115.7	1018.1	907.9	794.1	688.4	602.5	538.7	491.1	450.4	433.6	416.8
130°	1070.4	978.7	878.8	776.7	686.1	611.8	553.8	509.7	469.0	452.8	436.5
132.5°	1024.0	941.5	851.0	762.7	685.0	621.1	568.9	525.9	487.6	471.4	455.1
135°	978.7	902.1	825.4	750.0	683.8	628.1	581.6	541.0	503.8	487.6	471.3
137.5°	933.4	870.7	804.5	740.7	683.8	635.0	592.1	553.8	516.6	501.5	486.4
140°	893.9	840.5	784.8	732.6	682.6	639.7	600.2	564.2	529.4	514.3	499.2
142.5°	857.9	813.8	768.5	724.4	682.6	643.2	607.2	572.3	538.7	524.8	510.8
145°	827.8	791.8	753.5	717.5	680.3	645.5	613.0	580.5	549.1	536.4	523.6
147.5°	802.2	773.2	741.8	710.5	676.8	646.6	616.5	587.4	557.3	545.6	534.0
150°	779.0	754.6	729.1	701.2	673.3	645.5	618.8	592.1	565.4	555.0	544.5
152.5°	759.3	739.5	716.3	693.1	667.5	643.2	619.9	596.7	573.5	564.2	554.9
155°	740.7	723.3	704.7	682.6	660.6	640.8	621.1	601.4	581.6	572.9	564.2
157.5°	722.1	707.0	690.8	673.3	653.6	636.2	621.1	604.9	587.4	579.8	572.3
160°	703.5	690.8	678.0	662.9	646.6	632.7	621.1	607.2	593.2	586.8	580.5
162.5°	686.1	675.7	665.2	653.6	640.8	629.2	619.9	608.3	596.7	592.0	587.4
165°	668.7	660.6	652.5	643.2	632.7	624.6	617.6	609.5	599.0	595.6	592.1
167.5°	652.5	646.6	639.7	632.7	625.7	619.9	616.5	609.5	601.4	599.0	596.7
170°	638.5	633.9	630.4	624.6	619.9	616.5	614.1	608.3	602.5	600.8	599.0
172.5°	625.7	622.3	619.9	616.5	613.0	611.8	610.7	607.2	603.7	602.6	601.4
175°	615.3	614.1	613.0	609.5	608.3	607.2	608.3	606.0	603.7	603.1	602.5
177.5°	608.3	607.2	607.2	604.9	603.7	604.9	607.2	604.9	603.7	603.7	603.7
180°	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7	603.7

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1716.0	1716.0	1716.0	1716.0
2.5°	1684.3	1684.3	1704.1	1725.2
5°	1647.4	1656.6	1688.3	1717.3
7.5°	1611.8	1627.6	1667.2	1704.1
10°	1568.3	1589.4	1638.2	1681.7
12.5°	1526.1	1545.8	1602.6	1651.4
15°	1466.7	1491.8	1552.4	1613.1
17.5°	1407.4	1432.4	1506.3	1577.5
20°	1337.4	1370.4	1453.5	1548.5
22.5°	1272.8	1313.7	1406.0	1482.5
25°	1201.6	1264.9	1350.6	1449.6
27.5°	1138.3	1201.6	1288.6	1388.9
30°	1067.1	1131.7	1221.4	1313.7
32.5°	998.5	1057.8	1144.9	1258.3
35°	927.2	984.0	1068.4	1183.1
37.5°	862.6	918.0	1010.3	1115.9
40°	799.3	857.3	936.5	1042.0
42.5°	739.9	791.4	862.6	968.1
45°	685.9	722.8	788.7	887.7
47.5°	629.2	662.1	722.8	821.7
50°	576.4	604.1	656.9	749.2
52.5°	525.0	548.7	597.5	671.4
55°	478.8	501.2	536.8	609.4
57.5°	431.3	448.5	482.7	540.8
60°	385.1	401.0	428.7	476.2
62.5°	339.0	352.2	378.5	416.8
65°	298.1	308.6	328.4	361.4
67.5°	258.5	265.1	280.9	307.3
70°	220.3	225.5	238.7	259.8
72.5°	179.4	184.7	199.2	213.7
75°	145.1	146.4	157.0	168.8
77.5°	113.4	112.1	120.0	129.3
80°	77.8	81.8	88.4	92.3
82.5°	52.8	54.1	56.7	59.4
85°	29.0	30.3	30.3	34.3
87.5°	11.9	13.2	13.2	14.5
90°	11.6	9.3	4.6	1.2
92.5°	39.5	33.7	24.4	17.4
95°	67.3	56.9	45.3	40.6
97.5°	95.2	80.1	67.3	60.4
100°	121.9	103.3	92.9	89.4
102.5°	147.4	128.9	118.4	116.1
105°	171.8	154.4	146.3	141.6
107.5°	197.4	181.1	173.0	169.5
110°	224.1	209.0	202.0	197.4



TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	249.6	235.7	227.5	222.9
115°	276.3	262.4	255.4	249.6
117.5°	301.8	289.1	282.1	277.5
120°	325.1	314.6	307.7	303.0
122.5°	349.4	337.8	330.9	327.4
125°	372.7	358.7	351.8	348.3
127.5°	394.7	379.6	370.3	365.7
130°	413.3	397.0	385.4	380.8
132.5°	430.7	413.3	400.5	394.7
135°	444.6	427.2	413.3	408.7
137.5°	459.7	441.2	427.2	421.4
140°	473.7	455.1	441.2	436.5
142.5°	486.4	467.9	455.1	451.6
145°	500.4	483.0	471.3	466.7
147.5°	514.3	498.0	486.4	483.0
150°	527.1	512.0	502.7	499.2
152.5°	538.7	525.9	516.6	515.5
155°	551.4	538.7	531.7	530.6
157.5°	561.9	550.3	544.5	543.3
160°	571.2	561.9	557.3	556.1
162.5°	579.3	572.3	567.7	568.9
165°	586.3	579.3	577.0	578.2
167.5°	592.1	587.4	585.1	586.3
170°	596.7	593.2	592.1	594.4
172.5°	600.2	596.7	597.9	599.0
175°	602.5	600.2	601.4	602.5
177.5°	603.7	601.4	602.5	604.9
180°	603.7	603.7	603.7	603.7

TEST NUMBER: P998998

CATALOG NUMBER: SA2XXDIP-B865D1080UB30-4F0-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	17.07	17.87	18.05	18.87	20.18	14.56	15.37	15.55	16.36	17.67
	3H	17.87	18.60	18.87	19.60	20.93	15.90	16.62	16.90	17.63	18.96
	4H	18.04	18.72	19.05	19.73	21.07	16.36	17.04	17.37	18.05	19.39
	6H	18.08	18.71	19.10	19.72	21.08	16.67	17.29	17.69	18.31	19.66
	8H	18.06	18.66	19.09	19.69	21.03	16.75	17.35	17.77	18.37	19.72
	12H	18.02	18.59	19.05	19.61	20.98	16.79	17.36	17.82	18.38	19.75
4H	2H	17.10	17.79	18.12	18.79	20.13	15.00	15.68	16.02	16.69	18.03
	3H	18.08	18.65	19.10	19.68	21.03	16.46	17.02	17.48	18.06	19.41
	4H	18.35	18.87	19.38	19.90	21.28	16.99	17.51	18.02	18.54	19.91
	6H	18.48	18.93	19.52	19.98	21.35	17.36	17.81	18.41	18.86	20.23
	8H	18.48	18.89	19.52	19.94	21.32	17.47	17.89	18.52	18.93	20.32
	12H	18.44	18.81	19.50	19.87	21.26	17.53	17.90	18.59	18.96	20.35
8H	4H	18.36	18.77	19.40	19.82	21.20	17.13	17.54	18.17	18.59	19.97
	6H	18.53	18.88	19.60	19.96	21.35	17.56	17.90	18.63	18.99	20.37
	8H	18.56	18.87	19.64	19.94	21.34	17.71	18.01	18.78	19.08	20.48
	12H	18.55	18.81	19.62	19.88	21.32	17.80	18.06	18.88	19.13	20.57
12H	4H	18.31	18.69	19.37	19.75	21.14	17.10	17.47	18.16	18.53	19.92
	6H	18.51	18.81	19.59	19.88	21.29	17.56	17.86	18.63	18.93	20.33
	8H	18.54	18.81	19.62	19.87	21.32	17.71	17.98	18.79	19.04	20.49