

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: P998390

Luminaire Tested: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998390
REPORT IS A COMBINATION OF REPORTS P984130 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

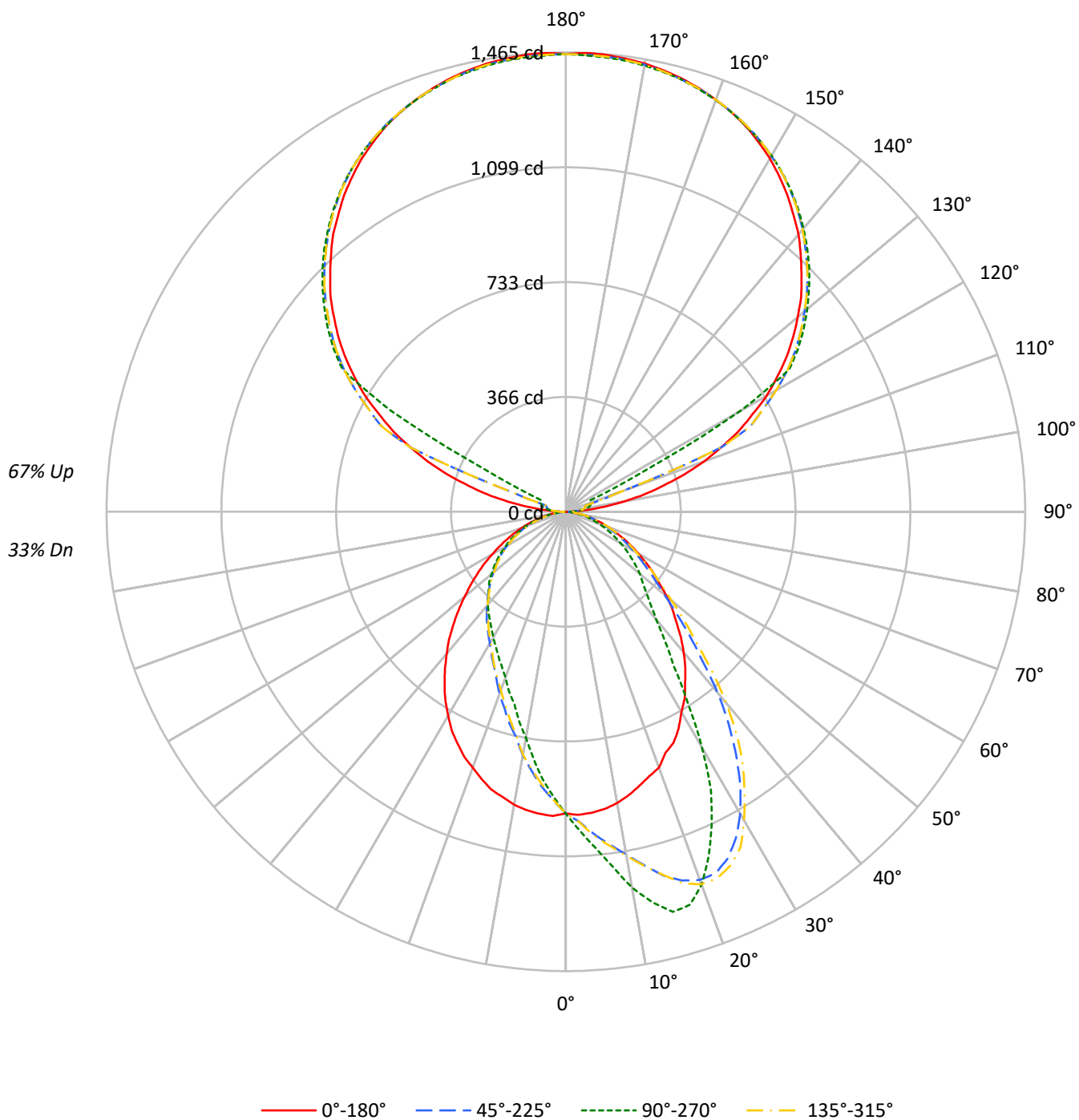
Lumens per Lamp: N/A
Luminaire Lumens: 6405.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 59
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41
1	94	90	87	83	85	82	78	76	65	63	61	50	49	48	36	36	35
2	86	79	73	68	77	72	67	63	57	54	51	44	42	40	32	31	30
3	79	70	63	57	71	63	57	53	51	47	43	40	37	34	29	27	26
4	72	62	54	49	65	56	50	45	45	41	37	35	32	30	26	24	22
5	66	55	47	42	60	50	44	39	41	36	32	32	29	26	24	22	20
6	61	50	42	36	55	45	38	34	37	32	28	29	25	23	22	19	18
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	20	17	16
8	52	41	33	28	47	37	31	26	30	25	22	24	21	18	18	16	14
9	49	37	30	25	44	34	28	23	28	23	20	22	19	16	17	15	13
10	45	34	27	22	41	31	25	21	26	21	18	20	17	15	16	13	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15231	15231	15231	15231
5°	15268	16241	15327	12921
10°	15091	17729	15185	10653
15°	14726	18701	14929	8974
20°	14495	17558	14495	7799
25°	14033	15085	14096	6975
30°	13274	11858	13526	6317
35°	12599	8200	12810	5780
40°	11826	6191	11961	5351
45°	10872	5087	11049	4890
50°	10046	4465	10063	4476
55°	9105	3805	9164	4027
60°	8102	3179	8214	3514
65°	7206	2585	7337	3001
70°	6310	2027	6470	2420
75°	5298	1472	5505	1755
80°	4136	933	4431	1043
85°	2712	470	2924	348

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.4
10°-20°	266.8	4.2
20°-30°	387.2	6.0
30°-40°	408.1	6.4
40°-50°	361.2	5.6
50°-60°	288.4	4.5
60°-70°	195.9	3.1
70°-80°	100.2	1.6
80°-90°	26.2	0.4
90°-100°	48.2	0.8
100°-110°	179.4	2.8
110°-120°	475.9	7.4
120°-130°	789.3	12.3
130°-140°	838.4	13.1
140°-150°	779.2	12.2
150°-160°	626.5	9.8
160°-170°	403.7	6.3
170°-180°	138.9	2.2
0°-30°	745.6	11.6
0°-40°	1153.7	18.0
0°-60°	1803.2	28.2
0°-90°	2125.6	33.2
90°-120°	703.5	11.0
90°-150°	3110.4	48.6
90°-180°	4279.0	66.8
0°-180°	6405.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	962	962	962	962	962	
5°	963	1075	967	855	963	91
15°	905	1321	917	634	905	255
25°	813	1101	816	509	813	372
35°	663	599	674	422	663	415
45°	498	361	506	347	498	386
55°	342	254	344	268	342	305
65°	203	156	206	181	203	201
75°	95	77	98	92	95	102
85°	19	20	21	15	19	22
90°	1	28	1	28	1	5
95°	69	45	69	45	69	81
105°	321	80	321	80	321	343
115°	607	87	607	87	607	598
125°	859	903	859	903	859	766
135°	1063	1097	1063	1097	1063	821
145°	1233	1252	1233	1252	1233	771
155°	1357	1358	1357	1358	1357	625
165°	1430	1427	1430	1427	1430	404
175°	1463	1454	1463	1454	1463	139
180°	1460	1460	1460	1460	1460	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	967.4	969.6	973.3	974.1	981.5	987.4	994.0	994.0	996.3	995.5	989.6
5°	963.0	969.6	979.3	987.4	1000.7	1006.6	1015.5	1022.2	1028.1	1032.5	1031.8
7.5°	955.6	967.4	981.5	997.0	1014.8	1025.1	1037.7	1049.5	1057.7	1065.0	1070.2
10°	943.0	963.0	982.2	1002.9	1025.8	1039.9	1054.7	1070.2	1082.8	1096.9	1110.2
12.5°	926.0	954.8	978.5	1005.9	1034.0	1049.5	1073.2	1085.0	1109.4	1144.9	1154.5
15°	904.6	943.8	965.9	1000.7	1037.7	1050.3	1082.8	1102.0	1152.3	1174.5	1201.1
17.5°	884.6	928.2	957.8	997.7	1034.0	1058.4	1090.2	1129.4	1171.6	1203.4	1232.9
20°	868.3	910.5	946.0	990.3	1036.2	1067.3	1100.6	1147.9	1193.7	1226.3	1249.2
22.5°	831.3	885.3	926.7	976.3	1031.8	1074.7	1106.5	1158.2	1207.8	1227.8	1247.7
25°	812.8	859.4	907.5	963.7	1028.8	1079.8	1107.2	1164.9	1208.5	1215.9	1220.4
27.5°	778.8	831.3	887.5	951.9	1028.1	1071.0	1105.7	1158.2	1193.0	1187.8	1174.5
30°	736.7	801.0	863.1	932.7	1017.7	1064.3	1096.9	1144.9	1162.7	1136.1	1112.4
32.5°	705.6	766.2	835.0	915.6	1005.9	1050.3	1082.1	1119.8	1123.5	1075.4	1035.5
35°	663.4	730.7	808.4	893.5	985.9	1025.8	1055.4	1078.4	1060.6	993.3	946.0
37.5°	625.7	692.3	775.1	861.7	958.5	997.7	1021.4	1025.1	981.5	922.3	852.8
40°	584.3	653.1	739.6	830.6	928.2	962.2	977.0	965.9	903.1	834.3	753.7
42.5°	542.9	610.9	704.1	797.3	889.8	918.6	924.5	894.2	817.3	736.7	643.5
45°	497.8	568.8	662.0	755.9	845.4	861.7	862.4	818.8	727.8	643.5	556.9
47.5°	460.8	526.6	619.1	713.0	788.4	799.5	795.1	744.8	645.7	551.0	475.6
50°	420.1	483.0	574.7	667.1	731.5	734.4	723.3	651.6	554.7	468.2	408.3
52.5°	376.5	440.1	524.4	613.1	670.8	666.4	644.9	568.0	477.1	405.3	359.5
55°	341.7	397.9	477.1	563.6	604.3	591.7	568.0	489.6	417.9	357.2	317.3
57.5°	303.2	352.8	430.5	505.9	529.6	517.7	494.1	420.8	354.3	308.4	281.8
60°	267.0	312.1	380.2	443.0	461.5	448.9	421.6	355.8	307.7	269.2	249.3
62.5°	233.7	272.9	329.9	387.6	395.0	382.4	358.7	305.5	264.0	233.7	218.9
65°	202.7	239.6	285.5	329.1	335.8	322.5	298.1	259.6	224.8	205.6	191.6
67.5°	172.3	201.9	242.6	274.4	278.1	265.5	245.6	214.5	193.0	172.3	162.0
70°	145.7	167.9	199.7	225.6	227.1	215.2	204.9	176.8	160.5	145.7	137.6
72.5°	119.8	135.4	159.8	179.0	179.7	172.3	162.7	145.0	130.9	120.6	112.4
75°	94.7	108.0	122.8	139.8	139.0	133.1	125.7	114.6	102.8	96.2	92.5
77.5°	72.5	80.6	92.5	103.5	103.5	100.6	96.2	88.0	80.6	74.0	70.3
80°	51.8	57.0	66.6	70.3	71.7	71.0	67.3	61.4	58.4	53.3	51.8
82.5°	33.3	37.0	41.4	45.1	47.3	45.9	45.1	42.2	37.7	36.2	34.8
85°	19.2	20.7	22.9	25.1	25.9	25.1	26.6	24.4	22.2	22.2	21.4
87.5°	8.1	8.9	10.4	10.4	11.1	11.1	10.4	11.1	11.1	10.4	9.6
90°	1.1	3.7	6.3	8.8	11.4	12.7	13.6	15.5	17.4	19.2	21.1
92.5°	26.4	25.5	24.5	23.6	22.7	22.2	22.5	23.2	23.9	24.6	25.3
95°	68.7	60.9	53.2	45.4	37.7	33.8	34.6	36.3	37.9	39.6	41.2
97.5°	123.6	104.4	85.1	65.9	46.6	37.0	38.9	42.6	46.4	50.1	53.9
100°	187.0	154.8	122.6	90.5	58.3	42.2	44.2	48.2	52.2	56.2	60.2
102.5°	256.7	256.2	255.8	255.3	254.8	254.6	233.2	190.5	147.8	105.0	62.3
105°	321.1	328.1	335.2	342.2	349.3	352.8	320.8	256.7	192.6	128.5	64.4
107.5°	396.1	402.0	407.8	413.7	419.6	422.5	382.9	303.8	224.7	145.6	66.5
110°	467.9	472.8	477.8	482.7	487.6	490.1	456.2	388.3	320.5	252.6	184.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	535.5	539.7	543.9	548.2	552.4	554.5	552.5	548.5	544.6	540.6	536.6
115°	607.3	611.3	615.3	619.3	623.3	625.3	628.2	634.1	640.0	645.8	651.7
117.5°	669.7	674.4	679.1	683.8	688.5	690.8	692.8	696.8	700.7	704.7	708.7
120°	739.4	742.9	746.4	749.9	753.4	755.2	757.3	761.5	765.8	770.0	774.2
122.5°	798.5	802.3	806.0	809.8	813.5	815.4	817.7	822.4	827.1	831.8	836.5
125°	858.7	861.8	864.8	867.9	871.0	872.5	874.7	879.2	883.6	888.1	892.5
127.5°	913.7	917.0	920.2	923.5	926.8	928.4	930.2	933.7	937.2	940.8	944.3
130°	965.4	969.2	972.9	976.7	980.4	982.3	983.6	986.2	988.7	991.3	993.9
132.5°	1018.2	1021.3	1024.3	1027.4	1030.5	1032.0	1033.3	1035.9	1038.4	1041.0	1043.6
135°	1062.6	1066.4	1070.1	1073.9	1077.6	1079.5	1080.6	1082.7	1084.8	1086.9	1089.0
137.5°	1109.1	1111.9	1114.7	1117.5	1120.3	1121.7	1122.9	1125.2	1127.6	1129.9	1132.3
140°	1154.5	1156.4	1158.2	1160.1	1162.0	1162.9	1164.2	1166.8	1169.3	1171.9	1174.5
142.5°	1192.5	1194.1	1195.8	1197.4	1199.1	1199.9	1201.4	1204.5	1207.5	1210.6	1213.6
145°	1232.6	1232.4	1232.2	1231.9	1231.7	1231.6	1233.6	1237.6	1241.5	1245.5	1249.5
147.5°	1267.5	1266.8	1266.1	1265.4	1264.7	1264.3	1266.3	1270.3	1274.3	1278.3	1282.3
150°	1301.3	1299.7	1298.0	1296.4	1294.7	1293.9	1295.8	1299.5	1303.3	1307.0	1310.8
152.5°	1329.8	1327.9	1326.1	1324.2	1322.3	1321.4	1323.2	1326.7	1330.2	1333.7	1337.2
155°	1357.3	1355.2	1353.1	1351.0	1348.9	1347.8	1349.2	1352.0	1354.8	1357.6	1360.4
157.5°	1379.5	1377.6	1375.7	1373.8	1371.9	1371.0	1372.1	1374.2	1376.3	1378.4	1380.5
160°	1398.5	1397.1	1395.7	1394.2	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5
162.5°	1415.4	1414.0	1412.6	1411.1	1409.7	1409.0	1409.6	1410.8	1411.9	1413.1	1414.3
165°	1430.2	1428.8	1427.4	1425.9	1424.5	1423.8	1424.2	1424.9	1425.6	1426.3	1427.0
167.5°	1441.8	1440.4	1439.0	1437.5	1436.1	1435.4	1435.8	1436.5	1437.2	1437.9	1438.6
170°	1451.3	1449.9	1448.5	1447.0	1445.6	1444.9	1445.1	1445.6	1446.1	1446.6	1447.1
172.5°	1457.6	1456.2	1454.8	1453.4	1452.0	1451.3	1451.5	1452.0	1452.5	1452.9	1453.4
175°	1462.9	1461.3	1459.6	1458.0	1456.3	1455.5	1455.7	1456.2	1456.7	1457.1	1457.6
177.5°	1465.0	1463.4	1461.7	1460.1	1458.4	1457.6	1457.7	1458.0	1458.2	1458.5	1458.7
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	1000.0	1000.7	1002.2	1009.6	1013.3	1014.0	1011.1	1017.7	1019.9	1017.7	1016.2
5°	1047.3	1051.7	1060.6	1070.2	1069.5	1070.2	1074.7	1079.1	1080.6	1074.7	1076.9
7.5°	1088.7	1097.6	1107.2	1122.0	1122.0	1129.4	1132.4	1136.1	1144.9	1140.5	1139.0
10°	1136.1	1147.9	1165.6	1189.3	1190.0	1197.4	1204.8	1216.7	1220.4	1217.4	1218.9
12.5°	1195.2	1218.2	1219.6	1245.5	1257.3	1258.8	1270.7	1268.4	1275.8	1275.8	1288.4
15°	1221.1	1256.6	1276.6	1301.7	1309.1	1300.2	1309.9	1320.2	1321.0	1321.0	1320.2
17.5°	1267.7	1281.8	1301.7	1315.0	1318.0	1318.0	1318.7	1323.2	1320.2	1314.3	1318.7
20°	1277.3	1283.2	1290.6	1289.2	1290.6	1283.2	1275.8	1268.4	1269.2	1265.5	1276.6
22.5°	1259.6	1258.1	1241.1	1230.0	1230.0	1215.2	1201.1	1194.5	1187.8	1190.0	1193.7
25°	1215.2	1192.3	1171.6	1155.3	1151.6	1127.9	1108.7	1102.8	1091.7	1100.6	1102.0
27.5°	1144.2	1118.3	1085.0	1071.0	1051.7	1042.1	1028.8	1011.1	988.1	1001.4	999.2
30°	1068.0	1029.5	1002.2	968.2	937.8	935.6	910.5	880.9	869.1	869.1	875.7
32.5°	983.0	931.9	892.0	843.9	814.3	801.7	771.4	741.8	748.5	726.3	734.4
35°	883.8	816.5	766.2	719.6	697.5	682.7	643.5	627.2	609.4	599.1	618.3
37.5°	789.2	711.5	647.2	596.1	588.0	561.4	534.7	524.4	514.0	518.5	517.7
40°	673.8	605.0	547.3	507.4	493.3	480.8	463.0	450.4	443.8	447.5	448.2
42.5°	569.5	511.8	468.9	440.8	429.0	420.1	411.2	400.9	398.7	398.7	401.6
45°	488.9	441.6	412.7	389.8	383.1	376.5	369.8	365.4	363.9	360.9	363.2
47.5°	424.5	386.8	369.1	352.1	344.7	343.2	337.3	335.0	332.1	331.3	332.1
50°	370.5	346.9	330.6	321.0	315.8	313.6	310.6	306.2	304.7	308.4	306.9
52.5°	332.8	310.6	301.8	292.1	289.2	286.2	281.8	282.5	281.8	280.3	280.3
55°	295.1	281.1	272.2	264.8	264.0	261.1	257.4	255.9	255.2	253.7	255.9
57.5°	264.8	253.7	245.6	238.9	235.9	235.9	232.2	229.3	229.3	228.5	229.3
60°	234.5	223.4	218.2	211.5	209.3	208.6	206.4	204.9	202.7	202.7	202.7
62.5°	206.4	197.5	191.6	185.6	186.4	182.7	179.7	178.2	178.2	179.0	179.0
65°	179.7	173.8	166.4	161.2	159.8	159.0	157.5	156.8	154.6	156.1	156.1
67.5°	155.3	147.2	142.7	140.5	138.3	137.6	136.1	134.6	133.9	133.1	134.6
70°	130.9	124.3	120.6	119.1	116.9	116.1	115.4	113.2	113.9	114.6	115.4
72.5°	108.7	102.8	102.1	97.6	97.6	97.6	94.7	96.2	95.4	93.9	95.4
75°	85.8	82.8	81.4	79.1	79.9	79.1	78.4	76.2	76.2	76.9	77.7
77.5°	68.0	65.1	64.3	62.1	60.6	62.1	60.6	59.9	59.9	60.6	60.6
80°	50.3	48.8	46.6	46.6	46.6	45.9	45.9	45.9	45.1	44.4	45.1
82.5°	33.3	33.3	32.5	31.8	32.5	31.1	31.8	31.8	31.8	31.8	31.8
85°	21.4	20.7	20.7	20.0	20.0	20.0	20.7	19.2	19.2	20.0	20.0
87.5°	9.6	9.6	9.6	10.4	9.6	9.6	9.6	10.4	9.6	9.6	9.6
90°	22.3	23.5	24.6	25.8	26.4	26.6	27.1	27.6	28.0	28.5	28.0
92.5°	25.8	26.3	26.8	27.3	27.5	27.6	27.8	28.1	28.3	28.5	28.3
95°	42.4	43.6	44.7	45.9	46.5	46.4	46.1	45.9	45.6	45.4	45.6
97.5°	54.6	55.3	56.0	56.7	57.0	57.1	57.4	57.6	57.9	58.1	57.9
100°	62.1	64.0	65.9	67.8	68.7	68.9	69.4	69.9	70.3	70.8	70.3
102.5°	64.9	67.5	70.0	72.6	73.9	74.3	75.0	75.7	76.4	77.1	76.4
105°	67.0	69.6	72.1	74.7	76.0	76.5	77.4	78.4	79.3	80.3	79.3
107.5°	69.1	71.7	74.3	76.9	78.2	78.7	79.6	80.5	81.5	82.4	81.5
110°	161.3	137.9	114.4	90.9	79.2	79.7	80.6	81.5	82.5	83.4	82.5

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	435.4	334.2	233.1	131.9	81.3	81.7	82.4	83.1	83.8	84.5	83.8
115°	543.0	434.4	325.7	217.0	162.7	154.2	137.3	120.4	103.5	86.6	103.5
117.5°	675.1	641.6	608.0	574.5	557.7	527.0	465.5	404.0	342.5	281.0	342.5
120°	777.0	779.8	782.7	785.5	786.9	771.1	739.4	707.7	676.0	644.3	676.0
122.5°	837.9	839.3	840.8	842.2	842.9	843.0	843.2	843.5	843.7	843.9	843.7
125°	894.1	895.8	897.4	899.1	899.9	900.3	901.0	901.7	902.4	903.1	902.4
127.5°	946.6	949.0	951.3	953.6	954.8	954.9	955.2	955.4	955.7	955.9	955.7
130°	996.5	999.1	1001.6	1004.2	1005.5	1005.4	1005.2	1004.9	1004.7	1004.5	1004.7
132.5°	1045.7	1047.8	1049.9	1052.0	1053.1	1053.0	1052.7	1052.5	1052.2	1052.0	1052.2
135°	1091.4	1093.7	1096.1	1098.4	1099.6	1099.4	1098.9	1098.4	1097.9	1097.4	1097.9
137.5°	1134.7	1137.0	1139.4	1141.7	1142.9	1142.5	1141.8	1141.1	1140.4	1139.7	1140.4
140°	1176.6	1178.8	1180.9	1183.0	1184.1	1183.5	1182.3	1181.2	1180.0	1178.8	1180.0
142.5°	1215.5	1217.4	1219.3	1221.2	1222.1	1221.5	1220.3	1219.2	1218.0	1216.8	1218.0
145°	1251.1	1252.8	1254.4	1256.1	1256.9	1256.3	1255.2	1254.0	1252.9	1251.7	1252.9
147.5°	1283.5	1284.7	1285.8	1287.0	1287.6	1287.1	1286.2	1285.2	1284.3	1283.3	1284.3
150°	1312.2	1313.6	1315.0	1316.4	1317.1	1316.5	1315.4	1314.2	1313.1	1311.9	1313.1
152.5°	1338.6	1340.0	1341.4	1342.8	1343.5	1342.7	1341.1	1339.4	1337.8	1336.2	1337.8
155°	1361.8	1363.2	1364.7	1366.1	1366.8	1365.9	1364.0	1362.1	1360.2	1358.3	1360.2
157.5°	1382.1	1383.8	1385.4	1387.1	1387.9	1387.0	1385.1	1383.2	1381.4	1379.5	1381.4
160°	1399.9	1401.3	1402.7	1404.1	1404.8	1404.0	1402.3	1400.7	1399.0	1397.4	1399.0
162.5°	1415.9	1417.6	1419.2	1420.9	1421.7	1420.6	1418.5	1416.4	1414.3	1412.2	1414.3
165°	1428.6	1430.3	1431.9	1433.6	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1428.6
167.5°	1440.2	1441.9	1443.5	1445.2	1446.0	1444.9	1442.8	1440.7	1438.6	1436.5	1438.6
170°	1448.7	1450.4	1452.0	1453.7	1454.5	1453.4	1451.3	1449.2	1447.0	1444.9	1447.0
172.5°	1455.0	1456.7	1458.3	1460.0	1460.8	1459.7	1457.6	1455.5	1453.4	1451.3	1453.4
175°	1459.2	1460.9	1462.5	1464.2	1465.0	1463.8	1461.5	1459.2	1456.8	1454.5	1456.8
177.5°	1460.3	1462.0	1463.6	1465.3	1466.1	1465.0	1462.9	1460.8	1458.7	1456.6	1458.7
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	1019.9	1014.8	1010.3	1011.1	1014.8	1011.8	1004.4	994.8	991.1	986.6	991.1
5°	1081.3	1076.9	1068.0	1068.7	1066.5	1063.6	1051.7	1036.9	1036.9	1025.1	1023.6
7.5°	1142.0	1135.3	1129.4	1127.9	1119.8	1113.9	1103.5	1082.8	1074.7	1060.6	1052.5
10°	1210.0	1204.8	1198.2	1190.0	1185.6	1175.3	1158.2	1127.9	1113.1	1093.9	1079.8
12.5°	1278.8	1278.1	1263.3	1247.0	1246.3	1230.0	1218.2	1177.5	1157.5	1131.6	1098.3
15°	1322.4	1318.7	1310.6	1302.5	1304.7	1286.9	1260.3	1212.2	1198.9	1167.9	1132.4
17.5°	1321.7	1321.7	1319.5	1318.0	1315.8	1310.6	1295.8	1264.0	1242.6	1203.4	1170.1
20°	1279.5	1289.2	1291.4	1290.6	1298.0	1301.7	1301.0	1281.0	1264.0	1229.2	1195.2
22.5°	1195.2	1217.4	1227.0	1232.9	1248.5	1256.6	1275.8	1268.4	1264.0	1238.1	1209.3
25°	1116.8	1124.2	1153.1	1154.5	1176.0	1196.0	1215.2	1227.8	1244.0	1234.4	1210.0
27.5°	1015.5	1032.5	1053.2	1068.7	1073.2	1113.9	1145.7	1169.3	1206.3	1209.3	1201.1
30°	900.9	909.0	943.0	963.7	987.4	1017.0	1062.8	1103.5	1136.8	1167.1	1177.5
32.5°	761.1	794.3	814.3	839.5	860.2	912.7	968.9	1021.4	1059.9	1110.9	1133.1
35°	633.1	659.0	693.0	703.4	741.1	785.5	858.7	926.0	984.4	1036.2	1081.3
37.5°	527.3	548.1	584.3	600.6	622.8	679.7	741.1	824.7	894.9	958.5	1014.8
40°	454.9	470.4	497.8	502.9	521.4	573.2	622.8	701.2	794.3	880.1	941.5
42.5°	405.3	412.7	431.2	437.9	449.7	484.4	528.8	602.8	689.3	778.1	864.6
45°	369.8	375.0	386.1	392.0	406.8	422.3	458.6	517.7	585.8	675.3	768.5
47.5°	338.0	344.7	349.1	352.8	360.9	377.9	401.6	445.2	510.3	592.4	682.7
50°	311.4	313.6	321.7	322.5	327.7	338.7	360.9	387.6	439.3	505.9	593.2
52.5°	284.8	287.0	292.1	297.3	299.5	308.4	323.2	345.4	383.9	436.4	514.0
55°	258.1	261.1	266.3	270.0	272.2	279.6	288.5	309.9	340.2	377.2	440.8
57.5°	231.5	238.2	239.6	241.9	245.6	253.7	261.8	274.4	298.1	332.1	378.7
60°	206.4	208.6	213.7	216.0	219.7	224.1	234.5	244.1	261.1	287.7	329.9
62.5°	180.5	185.6	187.9	190.1	193.0	198.2	204.9	215.2	230.0	251.5	284.8
65°	158.3	159.0	163.5	166.4	169.4	173.1	179.7	189.3	198.2	218.2	242.6
67.5°	136.8	138.3	139.8	142.7	146.4	150.1	156.1	161.2	172.3	185.6	204.9
70°	116.1	116.1	119.8	122.0	121.3	125.7	130.2	136.1	144.2	156.8	172.3
72.5°	97.6	96.9	99.8	100.6	102.1	105.0	108.0	113.9	118.3	128.0	139.8
75°	77.7	79.1	80.6	80.6	82.8	85.1	88.0	91.0	96.2	102.1	110.9
77.5°	61.4	61.4	62.9	63.6	65.8	65.1	68.0	71.0	74.7	79.9	86.5
80°	45.1	46.6	46.6	46.6	47.3	48.1	51.0	53.3	55.5	59.2	62.1
82.5°	31.8	31.8	33.3	33.3	33.3	34.8	34.8	35.5	37.0	39.2	41.4
85°	20.0	20.0	20.0	20.7	20.0	20.7	22.2	21.4	22.2	23.7	23.7
87.5°	9.6	9.6	9.6	9.6	9.6	10.4	9.6	10.4	11.1	11.1	11.1
90°	27.6	27.1	26.6	26.4	25.8	24.6	23.5	22.3	21.1	19.2	17.4
92.5°	28.1	27.8	27.6	27.5	27.3	26.8	26.3	25.8	25.3	24.6	23.9
95°	45.9	46.1	46.4	46.5	45.9	44.7	43.6	42.4	41.2	39.6	37.9
97.5°	57.6	57.4	57.1	57.0	56.7	56.0	55.3	54.6	53.9	50.1	46.4
100°	69.9	69.4	68.9	68.7	67.8	65.9	64.0	62.1	60.2	56.2	52.2
102.5°	75.7	75.0	74.3	73.9	72.6	70.0	67.5	64.9	62.3	105.0	147.8
105°	78.4	77.4	76.5	76.0	74.7	72.1	69.6	67.0	64.4	128.5	192.6
107.5°	80.5	79.6	78.7	78.2	76.9	74.3	71.7	69.1	66.5	145.6	224.7
110°	81.5	80.6	79.7	79.2	90.9	114.4	137.9	161.3	184.8	252.6	320.5

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.1	82.4	81.7	81.3	131.9	233.1	334.2	435.4	536.6	540.6	544.6
115°	120.4	137.3	154.2	162.7	217.0	325.7	434.4	543.0	651.7	645.8	640.0
117.5°	404.0	465.5	527.0	557.7	574.5	608.0	641.6	675.1	708.7	704.7	700.7
120°	707.7	739.4	771.1	786.9	785.5	782.7	779.8	777.0	774.2	770.0	765.8
122.5°	843.5	843.2	843.0	842.9	842.2	840.8	839.3	837.9	836.5	831.8	827.1
125°	901.7	901.0	900.3	899.9	899.1	897.4	895.8	894.1	892.5	888.1	883.6
127.5°	955.4	955.2	954.9	954.8	953.6	951.3	949.0	946.6	944.3	940.8	937.2
130°	1004.9	1005.2	1005.4	1005.5	1004.2	1001.6	999.1	996.5	993.9	991.3	988.7
132.5°	1052.5	1052.7	1053.0	1053.1	1052.0	1049.9	1047.8	1045.7	1043.6	1041.0	1038.4
135°	1098.4	1098.9	1099.4	1099.6	1098.4	1096.1	1093.7	1091.4	1089.0	1086.9	1084.8
137.5°	1141.1	1141.8	1142.5	1142.9	1141.7	1139.4	1137.0	1134.7	1132.3	1129.9	1127.6
140°	1181.2	1182.3	1183.5	1184.1	1183.0	1180.9	1178.8	1176.6	1174.5	1171.9	1169.3
142.5°	1219.2	1220.3	1221.5	1222.1	1221.2	1219.3	1217.4	1215.5	1213.6	1210.6	1207.5
145°	1254.0	1255.2	1256.3	1256.9	1256.1	1254.4	1252.8	1251.1	1249.5	1245.5	1241.5
147.5°	1285.2	1286.2	1287.1	1287.6	1287.0	1285.8	1284.7	1283.5	1282.3	1278.3	1274.3
150°	1314.2	1315.4	1316.5	1317.1	1316.4	1315.0	1313.6	1312.2	1310.8	1307.0	1303.3
152.5°	1339.4	1341.1	1342.7	1343.5	1342.8	1341.4	1340.0	1338.6	1337.2	1333.7	1330.2
155°	1362.1	1364.0	1365.9	1366.8	1366.1	1364.7	1363.2	1361.8	1360.4	1357.6	1354.8
157.5°	1383.2	1385.1	1387.0	1387.9	1387.1	1385.4	1383.8	1382.1	1380.5	1378.4	1376.3
160°	1400.7	1402.3	1404.0	1404.8	1404.1	1402.7	1401.3	1399.9	1398.5	1397.1	1395.7
162.5°	1416.4	1418.5	1420.6	1421.7	1420.9	1419.2	1417.6	1415.9	1414.3	1413.1	1411.9
165°	1430.3	1431.9	1433.6	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1426.3	1425.6
167.5°	1440.7	1442.8	1444.9	1446.0	1445.2	1443.5	1441.9	1440.2	1438.6	1437.9	1437.2
170°	1449.2	1451.3	1453.4	1454.5	1453.7	1452.0	1450.4	1448.7	1447.1	1446.6	1446.1
172.5°	1455.5	1457.6	1459.7	1460.8	1460.0	1458.3	1456.7	1455.0	1453.4	1452.9	1452.5
175°	1459.2	1461.5	1463.8	1465.0	1464.2	1462.5	1460.9	1459.2	1457.6	1457.1	1456.7
177.5°	1460.8	1462.9	1465.0	1466.1	1465.3	1463.6	1462.0	1460.3	1458.7	1458.5	1458.2
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	987.4	983.7	981.5	983.0	978.5	967.4	967.4	971.1	966.7	962.2	955.6
5°	1014.8	1007.4	1002.9	1002.2	991.8	974.1	970.4	966.7	957.1	946.7	935.6
7.5°	1041.4	1028.1	1020.7	1015.5	1000.7	977.8	968.2	960.0	944.5	929.0	914.9
10°	1063.6	1044.3	1035.5	1027.3	1008.1	979.3	963.7	948.9	929.0	909.0	891.2
12.5°	1081.3	1059.1	1048.0	1036.2	1012.5	974.8	955.6	931.9	911.9	885.3	867.6
15°	1110.9	1065.0	1054.7	1043.6	1019.2	967.4	943.8	917.1	889.8	854.3	835.0
17.5°	1134.6	1073.2	1072.4	1048.8	1017.0	964.5	928.2	893.5	863.9	828.4	798.0
20°	1148.6	1085.8	1073.9	1049.5	1009.6	944.5	906.8	868.3	836.5	793.6	763.3
22.5°	1160.5	1103.5	1072.4	1042.9	994.0	937.8	882.4	846.1	802.5	755.9	727.0
25°	1164.9	1107.2	1074.7	1040.6	983.0	918.6	855.7	816.5	767.7	725.6	686.4
27.5°	1165.6	1106.5	1066.5	1031.0	967.4	893.5	829.1	787.7	733.7	684.9	645.7
30°	1158.2	1098.3	1062.1	1023.6	952.6	870.5	796.6	750.7	693.0	644.2	603.5
32.5°	1136.1	1082.1	1052.5	1010.3	933.4	838.7	765.5	714.5	653.8	605.7	566.5
35°	1099.1	1062.1	1029.5	990.3	908.3	809.1	734.4	674.5	613.1	567.3	530.3
37.5°	1053.2	1033.2	1002.9	964.5	879.4	782.5	699.7	633.1	571.7	527.3	491.1
40°	991.1	996.3	966.7	931.9	845.4	746.3	654.6	591.0	533.3	491.8	456.3
42.5°	923.8	945.2	928.2	894.9	807.7	706.3	621.3	551.0	494.8	451.9	422.3
45°	851.3	888.3	877.9	853.5	768.5	664.2	573.9	505.9	456.3	414.9	389.0
47.5°	772.2	824.7	824.7	806.9	724.8	622.0	533.3	463.7	414.9	385.3	360.2
50°	691.5	750.7	760.3	748.5	676.0	573.9	483.7	420.8	378.7	349.8	331.3
52.5°	607.2	676.0	693.8	687.8	624.2	528.1	443.0	381.6	343.2	318.0	301.8
55°	526.6	606.5	625.7	627.9	568.8	477.8	397.9	343.9	306.9	289.9	275.9
57.5°	450.4	527.3	548.8	552.5	512.6	431.9	355.8	308.4	275.1	261.1	250.0
60°	385.3	449.7	477.8	485.9	451.2	378.7	316.6	270.7	245.6	232.2	221.9
62.5°	332.1	383.9	413.4	415.7	400.1	332.1	275.9	237.4	216.0	204.1	199.0
65°	280.3	326.9	344.7	353.5	341.0	287.7	238.2	206.4	189.3	179.0	173.8
67.5°	238.9	268.5	283.3	295.1	282.5	242.6	202.7	176.8	164.2	153.8	150.9
70°	196.0	220.4	231.5	243.3	232.2	201.9	173.1	149.4	138.3	130.2	126.5
72.5°	156.8	176.0	186.4	193.8	187.1	162.0	138.3	122.0	113.9	108.0	105.8
75°	124.3	137.6	143.5	148.7	145.7	126.5	111.7	98.4	91.0	85.8	84.3
77.5°	94.7	104.3	110.9	112.4	108.7	96.2	83.6	75.4	69.5	66.6	65.1
80°	67.3	73.2	76.9	79.1	75.4	70.3	61.4	55.5	50.3	46.6	45.9
82.5°	45.1	48.1	51.0	50.3	48.8	44.4	39.2	36.2	34.0	31.1	31.1
85°	25.9	26.6	28.1	28.8	28.1	25.1	22.2	20.7	19.2	17.0	17.0
87.5°	11.1	11.8	11.8	12.6	11.1	11.1	9.6	8.1	8.1	7.4	6.7
90°	15.5	13.6	12.7	11.4	8.8	6.3	3.7	1.1	3.7	6.3	8.8
92.5°	23.2	22.5	22.2	22.7	23.6	24.5	25.5	26.4	25.5	24.5	23.6
95°	36.3	34.6	33.8	37.7	45.4	53.2	60.9	68.7	60.9	53.2	45.4
97.5°	42.6	38.9	37.0	46.6	65.9	85.1	104.4	123.6	104.4	85.1	65.9
100°	48.2	44.2	42.2	58.3	90.5	122.6	154.8	187.0	154.8	122.6	90.5
102.5°	190.5	233.2	254.6	254.8	255.3	255.8	256.2	256.7	256.2	255.8	255.3
105°	256.7	320.8	352.8	349.3	342.2	335.2	328.1	321.1	328.1	335.2	342.2
107.5°	303.8	382.9	422.5	419.6	413.7	407.8	402.0	396.1	402.0	407.8	413.7
110°	388.3	456.2	490.1	487.6	482.7	477.8	472.8	467.9	472.8	477.8	482.7

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	548.5	552.5	554.5	552.4	548.2	543.9	539.7	535.5	539.7	543.9	548.2
115°	634.1	628.2	625.3	623.3	619.3	615.3	611.3	607.3	611.3	615.3	619.3
117.5°	696.8	692.8	690.8	688.5	683.8	679.1	674.4	669.7	674.4	679.1	683.8
120°	761.5	757.3	755.2	753.4	749.9	746.4	742.9	739.4	742.9	746.4	749.9
122.5°	822.4	817.7	815.4	813.5	809.8	806.0	802.3	798.5	802.3	806.0	809.8
125°	879.2	874.7	872.5	871.0	867.9	864.8	861.8	858.7	861.8	864.8	867.9
127.5°	933.7	930.2	928.4	926.8	923.5	920.2	917.0	913.7	917.0	920.2	923.5
130°	986.2	983.6	982.3	980.4	976.7	972.9	969.2	965.4	969.2	972.9	976.7
132.5°	1035.9	1033.3	1032.0	1030.5	1027.4	1024.3	1021.3	1018.2	1021.3	1024.3	1027.4
135°	1082.7	1080.6	1079.5	1077.6	1073.9	1070.1	1066.4	1062.6	1066.4	1070.1	1073.9
137.5°	1125.2	1122.9	1121.7	1120.3	1117.5	1114.7	1111.9	1109.1	1111.9	1114.7	1117.5
140°	1166.8	1164.2	1162.9	1162.0	1160.1	1158.2	1156.4	1154.5	1156.4	1158.2	1160.1
142.5°	1204.5	1201.4	1199.9	1199.1	1197.4	1195.8	1194.1	1192.5	1194.1	1195.8	1197.4
145°	1237.6	1233.6	1231.6	1231.7	1231.9	1232.2	1232.4	1232.6	1232.4	1232.2	1231.9
147.5°	1270.3	1266.3	1264.3	1264.7	1265.4	1266.1	1266.8	1267.5	1266.8	1266.1	1265.4
150°	1299.5	1295.8	1293.9	1294.7	1296.4	1298.0	1299.7	1301.3	1299.7	1298.0	1296.4
152.5°	1326.7	1323.2	1321.4	1322.3	1324.2	1326.1	1327.9	1329.8	1327.9	1326.1	1324.2
155°	1352.0	1349.2	1347.8	1348.9	1351.0	1353.1	1355.2	1357.3	1355.2	1353.1	1351.0
157.5°	1374.2	1372.1	1371.0	1371.9	1373.8	1375.7	1377.6	1379.5	1377.6	1375.7	1373.8
160°	1394.2	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5	1397.1	1395.7	1394.2
162.5°	1410.8	1409.6	1409.0	1409.7	1411.1	1412.6	1414.0	1415.4	1414.0	1412.6	1411.1
165°	1424.9	1424.2	1423.8	1424.5	1425.9	1427.4	1428.8	1430.2	1428.8	1427.4	1425.9
167.5°	1436.5	1435.8	1435.4	1436.1	1437.5	1439.0	1440.4	1441.8	1440.4	1439.0	1437.5
170°	1445.6	1445.1	1444.9	1445.6	1447.0	1448.5	1449.9	1451.3	1449.9	1448.5	1447.0
172.5°	1452.0	1451.5	1451.3	1452.0	1453.4	1454.8	1456.2	1457.6	1456.2	1454.8	1453.4
175°	1456.2	1455.7	1455.5	1456.3	1458.0	1459.6	1461.3	1462.9	1461.3	1459.6	1458.0
177.5°	1458.0	1457.7	1457.6	1458.4	1460.1	1461.7	1463.4	1465.0	1463.4	1461.7	1460.1
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	951.9	955.6	954.8	947.5	939.3	932.7	920.1	921.6	917.1	917.9	922.3
5°	928.2	928.2	925.3	914.9	901.6	894.2	880.1	876.4	867.6	866.8	866.1
7.5°	903.1	899.4	895.7	880.9	864.6	852.8	833.5	829.1	820.2	814.3	811.4
10°	873.5	868.3	860.9	843.9	823.9	809.1	789.2	783.3	766.2	758.8	754.4
12.5°	840.9	838.0	826.2	812.1	779.6	763.3	734.4	740.4	723.3	708.6	706.3
15°	808.4	797.3	790.7	767.7	728.5	721.1	698.2	686.4	670.8	659.0	659.0
17.5°	776.6	759.6	744.8	720.4	691.5	670.8	653.8	647.9	628.7	616.8	614.6
20°	734.4	715.2	711.5	676.8	656.8	633.9	617.6	602.8	588.7	583.6	579.9
22.5°	694.5	672.3	666.4	636.8	616.8	593.9	577.6	567.3	556.9	553.2	546.6
25°	651.6	638.3	629.4	597.6	575.4	554.0	542.9	535.5	525.9	525.1	520.7
27.5°	610.2	597.6	588.7	558.4	542.1	522.2	513.3	505.2	500.0	497.8	495.5
30°	574.7	560.6	550.3	528.1	508.1	491.8	484.4	479.3	476.3	472.6	471.9
32.5°	535.5	527.3	513.3	496.3	480.8	465.2	460.8	457.1	452.6	451.2	450.4
35°	502.2	491.1	482.2	463.0	456.3	443.0	437.9	434.9	429.0	427.5	426.0
37.5°	469.7	459.3	449.7	437.9	425.3	417.9	414.9	410.5	407.5	408.3	406.8
40°	437.1	429.0	421.6	409.0	401.6	397.9	392.0	387.6	386.1	386.8	386.1
42.5°	405.3	397.9	393.5	383.9	376.5	372.8	369.1	364.6	366.9	366.9	369.1
45°	376.5	369.8	366.9	359.5	355.0	349.1	345.4	344.7	347.6	346.9	346.9
47.5°	346.9	344.7	341.0	334.3	328.4	324.7	324.0	324.0	326.9	328.4	327.7
50°	324.0	319.5	315.1	309.9	305.5	304.0	301.8	303.2	306.2	306.2	307.7
52.5°	295.1	292.1	290.7	286.2	283.3	283.3	283.3	284.0	286.2	288.5	287.7
55°	270.0	267.7	266.3	264.0	260.3	261.1	260.3	261.8	264.0	266.3	267.7
57.5°	243.3	242.6	241.1	237.4	237.4	236.7	238.9	239.6	243.3	244.8	247.0
60°	219.7	217.4	217.4	214.5	214.5	214.5	216.7	218.9	221.9	222.6	224.1
62.5°	194.5	194.5	193.8	191.6	191.6	193.8	194.5	197.5	199.0	199.0	201.2
65°	170.9	170.1	169.4	170.1	170.9	170.9	173.1	174.5	176.0	176.8	177.5
67.5°	147.2	146.4	147.9	147.2	148.7	151.6	150.9	153.1	155.3	155.3	156.1
70°	125.0	126.5	125.7	127.2	126.5	128.0	130.2	130.9	130.9	131.7	133.9
72.5°	104.3	104.3	104.3	103.5	104.3	105.8	107.2	108.0	109.5	110.2	112.4
75°	84.3	84.3	82.8	84.3	84.3	85.8	87.3	87.3	87.3	88.8	91.0
77.5°	63.6	64.3	63.6	65.1	65.1	65.8	67.3	66.6	68.0	68.8	69.5
80°	46.6	45.9	45.9	45.9	46.6	46.6	48.1	48.8	48.8	51.0	49.6
82.5°	29.6	30.3	29.6	30.3	30.3	31.1	30.3	31.1	31.8	33.3	32.5
85°	17.0	16.3	16.3	17.0	16.3	16.3	17.0	16.3	17.0	16.3	17.0
87.5°	6.7	5.9	5.9	5.9	5.9	5.2	5.2	4.4	4.4	4.4	3.7
90°	11.4	12.7	13.6	15.5	17.4	19.2	21.1	22.3	23.5	24.6	25.8
92.5°	22.7	22.2	22.5	23.2	23.9	24.6	25.3	25.8	26.3	26.8	27.3
95°	37.7	33.8	34.6	36.3	37.9	39.6	41.2	42.4	43.6	44.7	45.9
97.5°	46.6	37.0	38.9	42.6	46.4	50.1	53.9	54.6	55.3	56.0	56.7
100°	58.3	42.2	44.2	48.2	52.2	56.2	60.2	62.1	64.0	65.9	67.8
102.5°	254.8	254.6	233.2	190.5	147.8	105.0	62.3	64.9	67.5	70.0	72.6
105°	349.3	352.8	320.8	256.7	192.6	128.5	64.4	67.0	69.6	72.1	74.7
107.5°	419.6	422.5	382.9	303.8	224.7	145.6	66.5	69.1	71.7	74.3	76.9
110°	487.6	490.1	456.2	388.3	320.5	252.6	184.8	161.3	137.9	114.4	90.9

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	552.4	554.5	552.5	548.5	544.6	540.6	536.6	435.4	334.2	233.1	131.9
115°	623.3	625.3	628.2	634.1	640.0	645.8	651.7	543.0	434.4	325.7	217.0
117.5°	688.5	690.8	692.8	696.8	700.7	704.7	708.7	675.1	641.6	608.0	574.5
120°	753.4	755.2	757.3	761.5	765.8	770.0	774.2	777.0	779.8	782.7	785.5
122.5°	813.5	815.4	817.7	822.4	827.1	831.8	836.5	837.9	839.3	840.8	842.2
125°	871.0	872.5	874.7	879.2	883.6	888.1	892.5	894.1	895.8	897.4	899.1
127.5°	926.8	928.4	930.2	933.7	937.2	940.8	944.3	946.6	949.0	951.3	953.6
130°	980.4	982.3	983.6	986.2	988.7	991.3	993.9	996.5	999.1	1001.6	1004.2
132.5°	1030.5	1032.0	1033.3	1035.9	1038.4	1041.0	1043.6	1045.7	1047.8	1049.9	1052.0
135°	1077.6	1079.5	1080.6	1082.7	1084.8	1086.9	1089.0	1091.4	1093.7	1096.1	1098.4
137.5°	1120.3	1121.7	1122.9	1125.2	1127.6	1129.9	1132.3	1134.7	1137.0	1139.4	1141.7
140°	1162.0	1162.9	1164.2	1166.8	1169.3	1171.9	1174.5	1176.6	1178.8	1180.9	1183.0
142.5°	1199.1	1199.9	1201.4	1204.5	1207.5	1210.6	1213.6	1215.5	1217.4	1219.3	1221.2
145°	1231.7	1231.6	1233.6	1237.6	1241.5	1245.5	1249.5	1251.1	1252.8	1254.4	1256.1
147.5°	1264.7	1264.3	1266.3	1270.3	1274.3	1278.3	1282.3	1283.5	1284.7	1285.8	1287.0
150°	1294.7	1293.9	1295.8	1299.5	1303.3	1307.0	1310.8	1312.2	1313.6	1315.0	1316.4
152.5°	1322.3	1321.4	1323.2	1326.7	1330.2	1333.7	1337.2	1338.6	1340.0	1341.4	1342.8
155°	1348.9	1347.8	1349.2	1352.0	1354.8	1357.6	1360.4	1361.8	1363.2	1364.7	1366.1
157.5°	1371.9	1371.0	1372.1	1374.2	1376.3	1378.4	1380.5	1382.1	1383.8	1385.4	1387.1
160°	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5	1399.9	1401.3	1402.7	1404.1
162.5°	1409.7	1409.0	1409.6	1410.8	1411.9	1413.1	1414.3	1415.9	1417.6	1419.2	1420.9
165°	1424.5	1423.8	1424.2	1424.9	1425.6	1426.3	1427.0	1428.6	1430.3	1431.9	1433.6
167.5°	1436.1	1435.4	1435.8	1436.5	1437.2	1437.9	1438.6	1440.2	1441.9	1443.5	1445.2
170°	1445.6	1444.9	1445.1	1445.6	1446.1	1446.6	1447.1	1448.7	1450.4	1452.0	1453.7
172.5°	1452.0	1451.3	1451.5	1452.0	1452.5	1452.9	1453.4	1455.0	1456.7	1458.3	1460.0
175°	1456.3	1455.5	1455.7	1456.2	1456.7	1457.1	1457.6	1459.2	1460.9	1462.5	1464.2
177.5°	1458.4	1457.6	1457.7	1458.0	1458.2	1458.5	1458.7	1460.3	1462.0	1463.6	1465.3
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	917.1	919.3	914.2	912.7	914.2	909.0	910.5	911.9	911.9	914.2	915.6
5°	863.9	860.9	855.7	854.3	852.8	855.0	853.5	855.7	856.5	861.7	862.4
7.5°	811.4	806.9	802.5	798.0	796.6	792.9	796.6	796.6	801.7	800.3	804.0
10°	749.2	748.5	742.6	740.4	737.4	731.5	739.6	737.4	741.1	747.8	749.2
12.5°	703.4	695.2	698.9	688.6	692.3	686.4	687.1	687.1	693.0	693.8	692.3
15°	659.7	653.1	643.5	639.0	636.8	633.9	643.5	644.2	639.8	650.1	646.4
17.5°	615.4	615.4	606.5	604.3	598.4	601.3	599.8	600.6	599.1	606.5	610.2
20°	576.9	573.2	570.2	571.0	563.6	562.1	560.6	562.1	567.3	572.5	573.9
22.5°	545.8	543.6	536.2	537.7	531.8	534.0	532.5	536.2	537.0	537.0	542.1
25°	516.3	513.3	514.0	511.1	508.9	508.9	506.6	508.9	511.8	513.3	514.0
27.5°	494.1	491.8	488.1	485.9	487.4	483.7	486.7	488.9	488.9	487.4	488.9
30°	467.4	468.9	468.9	461.5	464.5	463.0	465.2	466.7	466.7	467.4	466.0
32.5°	449.7	445.2	444.5	443.8	443.8	440.8	440.8	443.0	443.8	444.5	446.7
35°	426.0	426.0	422.3	424.5	421.6	422.3	421.6	422.3	423.8	421.6	423.8
37.5°	404.6	405.3	403.8	405.3	406.1	404.6	403.1	406.1	404.6	404.6	403.1
40°	386.1	385.3	386.1	386.1	386.1	386.8	385.3	385.3	385.3	383.9	382.4
42.5°	370.5	366.1	367.6	368.3	366.1	366.1	366.9	366.1	368.3	363.9	363.9
45°	348.4	346.9	347.6	347.6	349.1	346.9	348.4	349.1	346.9	346.1	344.7
47.5°	328.4	329.9	328.4	329.9	329.9	331.3	328.4	329.1	329.9	326.9	324.7
50°	308.4	308.4	310.6	309.9	310.6	309.2	309.2	308.4	309.2	307.7	305.5
52.5°	289.9	287.7	291.4	290.7	289.9	289.2	288.5	289.2	287.7	286.2	286.2
55°	267.0	267.0	269.2	270.0	270.0	268.5	267.0	267.7	267.0	266.3	265.5
57.5°	248.5	245.6	247.0	247.8	247.8	245.6	247.0	245.6	245.6	246.3	244.1
60°	224.8	224.8	223.4	225.6	225.6	224.1	224.1	224.8	223.4	222.6	221.9
62.5°	199.7	200.4	202.7	203.4	204.1	202.7	201.2	201.9	201.9	199.7	200.4
65°	178.2	179.7	182.7	181.9	180.5	181.2	179.7	180.5	178.2	179.0	176.8
67.5°	157.5	156.8	157.5	157.5	159.0	158.3	156.8	156.8	156.1	158.3	156.1
70°	135.4	135.4	135.4	135.4	136.1	136.8	135.4	133.9	134.6	133.1	132.4
72.5°	112.4	113.2	112.4	113.9	111.7	113.2	113.2	112.4	111.7	111.7	111.7
75°	91.0	92.5	90.2	91.0	90.2	91.7	91.0	91.0	89.5	88.8	89.5
77.5°	69.5	70.3	68.8	69.5	68.8	69.5	69.5	68.8	68.8	68.8	68.8
80°	49.6	50.3	49.6	48.8	48.1	49.6	48.1	48.8	49.6	48.8	50.3
82.5°	31.8	31.8	31.1	31.8	30.3	30.3	31.1	31.1	30.3	31.8	30.3
85°	15.5	15.5	17.0	15.5	14.8	14.8	14.8	15.5	14.8	16.3	15.5
87.5°	3.7	3.0	3.7	3.7	3.0	3.0	3.7	3.0	3.7	4.4	3.0
90°	26.4	26.6	27.1	27.6	28.0	28.5	28.0	27.6	27.1	26.6	26.4
92.5°	27.5	27.6	27.8	28.1	28.3	28.5	28.3	28.1	27.8	27.6	27.5
95°	46.5	46.4	46.1	45.9	45.6	45.4	45.6	45.9	46.1	46.4	46.5
97.5°	57.0	57.1	57.4	57.6	57.9	58.1	57.9	57.6	57.4	57.1	57.0
100°	68.7	68.9	69.4	69.9	70.3	70.8	70.3	69.9	69.4	68.9	68.7
102.5°	73.9	74.3	75.0	75.7	76.4	77.1	76.4	75.7	75.0	74.3	73.9
105°	76.0	76.5	77.4	78.4	79.3	80.3	79.3	78.4	77.4	76.5	76.0
107.5°	78.2	78.7	79.6	80.5	81.5	82.4	81.5	80.5	79.6	78.7	78.2
110°	79.2	79.7	80.6	81.5	82.5	83.4	82.5	81.5	80.6	79.7	79.2

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.3	81.7	82.4	83.1	83.8	84.5	83.8	83.1	82.4	81.7	81.3
115°	162.7	154.2	137.3	120.4	103.5	86.6	103.5	120.4	137.3	154.2	162.7
117.5°	557.7	527.0	465.5	404.0	342.5	281.0	342.5	404.0	465.5	527.0	557.7
120°	786.9	771.1	739.4	707.7	676.0	644.3	676.0	707.7	739.4	771.1	786.9
122.5°	842.9	843.0	843.2	843.5	843.7	843.9	843.7	843.5	843.2	843.0	842.9
125°	899.9	900.3	901.0	901.7	902.4	903.1	902.4	901.7	901.0	900.3	899.9
127.5°	954.8	954.9	955.2	955.4	955.7	955.9	955.7	955.4	955.2	954.9	954.8
130°	1005.5	1005.4	1005.2	1004.9	1004.7	1004.5	1004.7	1004.9	1005.2	1005.4	1005.5
132.5°	1053.1	1053.0	1052.7	1052.5	1052.2	1052.0	1052.2	1052.5	1052.7	1053.0	1053.1
135°	1099.6	1099.4	1098.9	1098.4	1097.9	1097.4	1097.9	1098.4	1098.9	1099.4	1099.6
137.5°	1142.9	1142.5	1141.8	1141.1	1140.4	1139.7	1140.4	1141.1	1141.8	1142.5	1142.9
140°	1184.1	1183.5	1182.3	1181.2	1180.0	1178.8	1180.0	1181.2	1182.3	1183.5	1184.1
142.5°	1222.1	1221.5	1220.3	1219.2	1218.0	1216.8	1218.0	1219.2	1220.3	1221.5	1222.1
145°	1256.9	1256.3	1255.2	1254.0	1252.9	1251.7	1252.9	1254.0	1255.2	1256.3	1256.9
147.5°	1287.6	1287.1	1286.2	1285.2	1284.3	1283.3	1284.3	1285.2	1286.2	1287.1	1287.6
150°	1317.1	1316.5	1315.4	1314.2	1313.1	1311.9	1313.1	1314.2	1315.4	1316.5	1317.1
152.5°	1343.5	1342.7	1341.1	1339.4	1337.8	1336.2	1337.8	1339.4	1341.1	1342.7	1343.5
155°	1366.8	1365.9	1364.0	1362.1	1360.2	1358.3	1360.2	1362.1	1364.0	1365.9	1366.8
157.5°	1387.9	1387.0	1385.1	1383.2	1381.4	1379.5	1381.4	1383.2	1385.1	1387.0	1387.9
160°	1404.8	1404.0	1402.3	1400.7	1399.0	1397.4	1399.0	1400.7	1402.3	1404.0	1404.8
162.5°	1421.7	1420.6	1418.5	1416.4	1414.3	1412.2	1414.3	1416.4	1418.5	1420.6	1421.7
165°	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1428.6	1430.3	1431.9	1433.6	1434.4
167.5°	1446.0	1444.9	1442.8	1440.7	1438.6	1436.5	1438.6	1440.7	1442.8	1444.9	1446.0
170°	1454.5	1453.4	1451.3	1449.2	1447.0	1444.9	1447.0	1449.2	1451.3	1453.4	1454.5
172.5°	1460.8	1459.7	1457.6	1455.5	1453.4	1451.3	1453.4	1455.5	1457.6	1459.7	1460.8
175°	1465.0	1463.8	1461.5	1459.2	1456.8	1454.5	1456.8	1459.2	1461.5	1463.8	1465.0
177.5°	1466.1	1465.0	1462.9	1460.8	1458.7	1456.6	1458.7	1460.8	1462.9	1465.0	1466.1
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	913.4	919.3	917.1	909.0	918.6	918.6	925.3	925.3	933.4	936.4	940.8
5°	861.7	866.1	869.8	866.1	872.7	883.1	889.0	894.2	905.3	909.7	916.4
7.5°	806.2	814.3	818.0	818.0	829.1	840.9	852.8	860.2	875.7	881.6	888.3
10°	752.2	761.8	769.2	768.5	787.0	794.3	809.1	826.2	841.7	850.6	860.2
12.5°	695.2	700.4	710.8	725.6	730.0	743.3	760.3	781.8	809.9	818.0	832.1
15°	647.9	662.0	670.1	676.8	687.1	699.7	718.2	738.9	767.0	784.7	799.5
17.5°	608.0	626.5	631.6	630.2	643.5	662.7	684.1	699.7	724.8	746.3	760.3
20°	575.4	582.8	591.7	595.4	605.7	626.5	647.2	664.9	685.6	702.6	718.9
22.5°	542.9	548.8	556.2	562.8	571.0	582.8	602.8	625.0	644.9	661.2	679.7
25°	516.3	520.0	526.6	531.8	540.7	548.8	562.8	587.3	610.9	620.5	636.8
27.5°	490.4	493.3	497.8	503.7	508.1	516.3	528.8	548.8	573.2	582.8	605.0
30°	467.4	469.7	474.1	477.1	479.3	488.9	498.5	514.0	532.5	545.8	562.1
32.5°	446.0	448.2	452.6	453.4	456.3	461.5	470.4	484.4	500.7	511.8	525.9
35°	422.3	423.8	428.2	429.7	431.9	436.4	443.0	453.4	468.2	476.3	488.9
37.5°	403.8	403.1	406.1	408.3	411.2	413.4	415.7	426.0	437.1	444.5	454.1
40°	383.9	382.4	383.1	386.1	387.6	390.5	390.5	400.9	408.3	414.2	421.6
42.5°	363.9	363.2	361.7	363.2	364.6	365.4	366.1	373.5	380.9	386.1	394.2
45°	343.9	343.2	341.7	342.4	342.4	343.9	346.1	349.1	354.3	358.7	363.2
47.5°	325.4	324.0	321.7	321.0	322.5	322.5	322.5	325.4	330.6	332.1	336.5
50°	306.2	304.0	301.0	299.5	299.5	298.8	300.3	301.0	305.5	306.9	310.6
52.5°	285.5	284.0	281.1	278.1	278.8	277.4	278.1	278.8	280.3	282.5	284.8
55°	264.8	261.8	259.6	258.9	256.6	256.6	254.4	257.4	256.6	257.4	260.3
57.5°	244.8	241.9	238.2	236.7	234.5	233.7	232.2	231.5	232.2	234.5	236.7
60°	221.1	219.7	217.4	215.2	213.7	211.5	210.1	210.1	209.3	209.3	210.1
62.5°	198.2	197.5	194.5	193.8	192.3	190.8	188.6	187.1	187.1	188.6	189.3
65°	176.0	175.3	173.1	172.3	168.6	167.2	166.4	165.7	164.2	164.2	164.2
67.5°	155.3	153.1	153.1	149.4	146.4	145.0	143.5	142.7	142.7	142.7	143.5
70°	132.4	132.4	130.2	128.0	125.0	125.7	123.5	121.3	121.3	119.8	120.6
72.5°	110.2	109.5	107.2	106.5	104.3	102.1	100.6	102.1	99.8	99.1	99.8
75°	88.8	88.0	86.5	85.1	85.8	83.6	81.4	80.6	80.6	79.1	79.1
77.5°	68.0	69.5	66.6	65.8	64.3	62.9	62.1	61.4	61.4	61.4	62.9
80°	47.3	48.1	48.1	46.6	47.3	45.1	45.1	45.1	42.9	43.6	44.4
82.5°	30.3	30.3	29.6	30.3	29.6	29.6	28.8	28.8	28.1	28.1	28.8
85°	17.0	16.3	15.5	17.0	16.3	16.3	15.5	15.5	15.5	15.5	15.5
87.5°	3.7	4.4	4.4	4.4	4.4	5.2	5.2	5.2	5.9	5.9	5.9
90°	25.8	24.6	23.5	22.3	21.1	19.2	17.4	15.5	13.6	12.7	11.4
92.5°	27.3	26.8	26.3	25.8	25.3	24.6	23.9	23.2	22.5	22.2	22.7
95°	45.9	44.7	43.6	42.4	41.2	39.6	37.9	36.3	34.6	33.8	37.7
97.5°	56.7	56.0	55.3	54.6	53.9	50.1	46.4	42.6	38.9	37.0	46.6
100°	67.8	65.9	64.0	62.1	60.2	56.2	52.2	48.2	44.2	42.2	58.3
102.5°	72.6	70.0	67.5	64.9	62.3	105.0	147.8	190.5	233.2	254.6	254.8
105°	74.7	72.1	69.6	67.0	64.4	128.5	192.6	256.7	320.8	352.8	349.3
107.5°	76.9	74.3	71.7	69.1	66.5	145.6	224.7	303.8	382.9	422.5	419.6
110°	90.9	114.4	137.9	161.3	184.8	252.6	320.5	388.3	456.2	490.1	487.6

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	131.9	233.1	334.2	435.4	536.6	540.6	544.6	548.5	552.5	554.5	552.4
115°	217.0	325.7	434.4	543.0	651.7	645.8	640.0	634.1	628.2	625.3	623.3
117.5°	574.5	608.0	641.6	675.1	708.7	704.7	700.7	696.8	692.8	690.8	688.5
120°	785.5	782.7	779.8	777.0	774.2	770.0	765.8	761.5	757.3	755.2	753.4
122.5°	842.2	840.8	839.3	837.9	836.5	831.8	827.1	822.4	817.7	815.4	813.5
125°	899.1	897.4	895.8	894.1	892.5	888.1	883.6	879.2	874.7	872.5	871.0
127.5°	953.6	951.3	949.0	946.6	944.3	940.8	937.2	933.7	930.2	928.4	926.8
130°	1004.2	1001.6	999.1	996.5	993.9	991.3	988.7	986.2	983.6	982.3	980.4
132.5°	1052.0	1049.9	1047.8	1045.7	1043.6	1041.0	1038.4	1035.9	1033.3	1032.0	1030.5
135°	1098.4	1096.1	1093.7	1091.4	1089.0	1086.9	1084.8	1082.7	1080.6	1079.5	1077.6
137.5°	1141.7	1139.4	1137.0	1134.7	1132.3	1129.9	1127.6	1125.2	1122.9	1121.7	1120.3
140°	1183.0	1180.9	1178.8	1176.6	1174.5	1171.9	1169.3	1166.8	1164.2	1162.9	1162.0
142.5°	1221.2	1219.3	1217.4	1215.5	1213.6	1210.6	1207.5	1204.5	1201.4	1199.9	1199.1
145°	1256.1	1254.4	1252.8	1251.1	1249.5	1245.5	1241.5	1237.6	1233.6	1231.6	1231.7
147.5°	1287.0	1285.8	1284.7	1283.5	1282.3	1278.3	1274.3	1270.3	1266.3	1264.3	1264.7
150°	1316.4	1315.0	1313.6	1312.2	1310.8	1307.0	1303.3	1299.5	1295.8	1293.9	1294.7
152.5°	1342.8	1341.4	1340.0	1338.6	1337.2	1333.7	1330.2	1326.7	1323.2	1321.4	1322.3
155°	1366.1	1364.7	1363.2	1361.8	1360.4	1357.6	1354.8	1352.0	1349.2	1347.8	1348.9
157.5°	1387.1	1385.4	1383.8	1382.1	1380.5	1378.4	1376.3	1374.2	1372.1	1371.0	1371.9
160°	1404.1	1402.7	1401.3	1399.9	1398.5	1397.1	1395.7	1394.2	1392.8	1392.1	1392.8
162.5°	1420.9	1419.2	1417.6	1415.9	1414.3	1413.1	1411.9	1410.8	1409.6	1409.0	1409.7
165°	1433.6	1431.9	1430.3	1428.6	1427.0	1426.3	1425.6	1424.9	1424.2	1423.8	1424.5
167.5°	1445.2	1443.5	1441.9	1440.2	1438.6	1437.9	1437.2	1436.5	1435.8	1435.4	1436.1
170°	1453.7	1452.0	1450.4	1448.7	1447.1	1446.6	1446.1	1445.6	1445.1	1444.9	1445.6
172.5°	1460.0	1458.3	1456.7	1455.0	1453.4	1452.9	1452.5	1452.0	1451.5	1451.3	1452.0
175°	1464.2	1462.5	1460.9	1459.2	1457.6	1457.1	1456.7	1456.2	1455.7	1455.5	1456.3
177.5°	1465.3	1463.6	1462.0	1460.3	1458.7	1458.5	1458.2	1458.0	1457.7	1457.6	1458.4
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	962.2	962.2	962.2	962.2
2.5°	944.5	944.5	955.6	967.4
5°	923.8	929.0	946.7	963.0
7.5°	903.8	912.7	934.9	955.6
10°	879.4	891.2	918.6	943.0
12.5°	855.7	866.8	898.6	926.0
15°	822.5	836.5	870.5	904.6
17.5°	789.2	803.2	844.6	884.6
20°	750.0	768.5	815.1	868.3
22.5°	713.7	736.7	788.4	831.3
25°	673.8	709.3	757.4	812.8
27.5°	638.3	673.8	722.6	778.8
30°	598.4	634.6	684.9	736.7
32.5°	559.9	593.2	642.0	705.6
35°	520.0	551.8	599.1	663.4
37.5°	483.7	514.8	566.5	625.7
40°	448.2	480.8	525.1	584.3
42.5°	414.9	443.8	483.7	542.9
45°	384.6	405.3	442.3	497.8
47.5°	352.8	371.3	405.3	460.8
50°	323.2	338.7	368.3	420.1
52.5°	294.4	307.7	335.0	376.5
55°	268.5	281.1	301.0	341.7
57.5°	241.9	251.5	270.7	303.2
60°	216.0	224.8	240.4	267.0
62.5°	190.1	197.5	212.3	233.7
65°	167.2	173.1	184.2	202.7
67.5°	145.0	148.7	157.5	172.3
70°	123.5	126.5	133.9	145.7
72.5°	100.6	103.5	111.7	119.8
75°	81.4	82.1	88.0	94.7
77.5°	63.6	62.9	67.3	72.5
80°	43.6	45.9	49.6	51.8
82.5°	29.6	30.3	31.8	33.3
85°	16.3	17.0	17.0	19.2
87.5°	6.7	7.4	7.4	8.1
90°	8.8	6.3	3.7	1.1
92.5°	23.6	24.5	25.5	26.4
95°	45.4	53.2	60.9	68.7
97.5°	65.9	85.1	104.4	123.6
100°	90.5	122.6	154.8	187.0
102.5°	255.3	255.8	256.2	256.7
105°	342.2	335.2	328.1	321.1
107.5°	413.7	407.8	402.0	396.1
110°	482.7	477.8	472.8	467.9

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	548.2	543.9	539.7	535.5
115°	619.3	615.3	611.3	607.3
117.5°	683.8	679.1	674.4	669.7
120°	749.9	746.4	742.9	739.4
122.5°	809.8	806.0	802.3	798.5
125°	867.9	864.8	861.8	858.7
127.5°	923.5	920.2	917.0	913.7
130°	976.7	972.9	969.2	965.4
132.5°	1027.4	1024.3	1021.3	1018.2
135°	1073.9	1070.1	1066.4	1062.6
137.5°	1117.5	1114.7	1111.9	1109.1
140°	1160.1	1158.2	1156.4	1154.5
142.5°	1197.4	1195.8	1194.1	1192.5
145°	1231.9	1232.2	1232.4	1232.6
147.5°	1265.4	1266.1	1266.8	1267.5
150°	1296.4	1298.0	1299.7	1301.3
152.5°	1324.2	1326.1	1327.9	1329.8
155°	1351.0	1353.1	1355.2	1357.3
157.5°	1373.8	1375.7	1377.6	1379.5
160°	1394.2	1395.7	1397.1	1398.5
162.5°	1411.1	1412.6	1414.0	1415.4
165°	1425.9	1427.4	1428.8	1430.2
167.5°	1437.5	1439.0	1440.4	1441.8
170°	1447.0	1448.5	1449.9	1451.3
172.5°	1453.4	1454.8	1456.2	1457.6
175°	1458.0	1459.6	1461.3	1462.9
177.5°	1460.1	1461.7	1463.4	1465.0
180°	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998390

CATALOG NUMBER: SA2XXDIP-B485D1080UB2750-4F0-XX-W2A-A_4000K

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	13.49	14.20	14.59	15.29	16.79	10.99	11.69	12.08	12.78	14.28
	3H	14.29	14.93	15.40	16.02	17.54	12.32	12.95	13.42	14.05	15.56
	4H	14.46	15.06	15.57	16.15	17.67	12.77	13.38	13.89	14.47	15.99
	6H	14.49	15.05	15.62	16.15	17.68	13.07	13.63	14.20	14.73	16.26
	8H	14.47	14.99	15.59	16.11	17.63	13.15	13.68	14.28	14.80	16.32
	12H	14.43	14.92	15.55	16.03	17.58	13.19	13.69	14.32	14.80	16.35
4H	2H	13.52	14.12	14.64	15.22	16.73	11.41	12.01	12.53	13.11	14.63
	3H	14.48	14.98	15.61	16.11	17.64	12.86	13.36	13.99	14.49	16.02
	4H	14.75	15.21	15.88	16.33	17.88	13.39	13.85	14.52	14.96	16.51
	6H	14.88	15.27	16.01	16.41	17.95	13.76	14.15	14.90	15.29	16.83
	8H	14.87	15.24	16.01	16.37	17.93	13.87	14.23	15.00	15.36	16.92
	12H	14.83	15.16	15.98	16.30	17.86	13.92	14.25	15.07	15.39	16.95
8H	4H	14.75	15.12	15.89	16.25	17.81	13.52	13.89	14.66	15.02	16.57
	6H	14.92	15.23	16.08	16.40	17.95	13.95	14.25	15.11	15.42	16.98
	8H	14.95	15.22	16.12	16.37	17.94	14.10	14.36	15.26	15.51	17.09
	12H	14.93	15.16	16.10	16.31	17.92	14.18	14.42	15.35	15.56	17.17
12H	4H	14.70	15.03	15.85	16.17	17.74	13.49	13.82	14.64	14.96	16.52
	6H	14.90	15.17	16.07	16.32	17.89	13.95	14.21	15.11	15.36	16.94
	8H	14.93	15.16	16.09	16.31	17.92	14.10	14.33	15.27	15.48	17.09