

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: P998589

Luminaire Tested: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998589
REPORT IS A COMBINATION OF REPORTS P984332 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

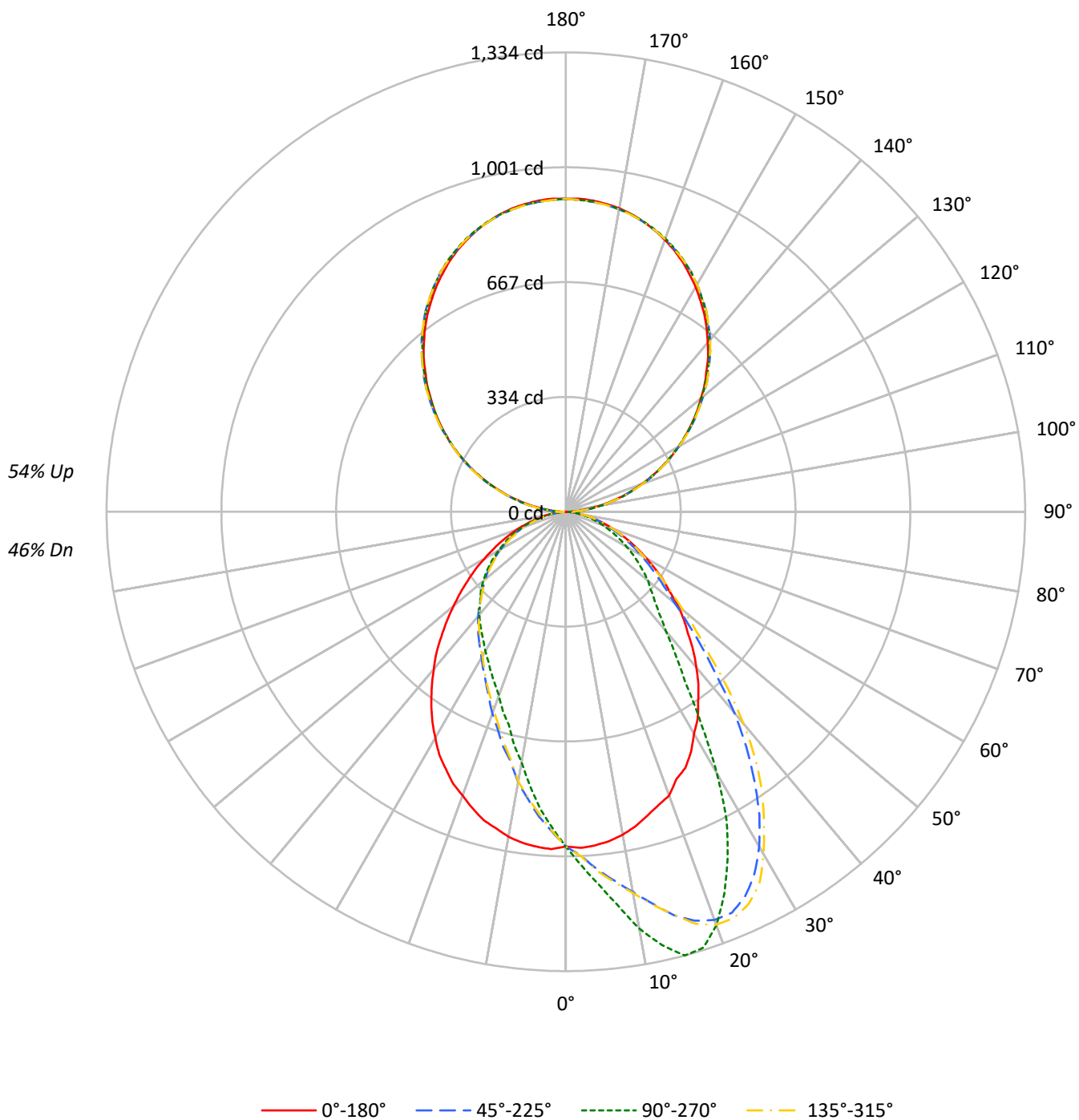
Lumens per Lamp: N/A
Luminaire Lumens: 4687.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 45.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52
1	97	93	89	86	89	86	83	80	72	69	67	59	57	56	47	46	45
2	89	82	76	71	81	75	70	66	63	60	56	52	50	47	42	40	39
3	81	72	65	60	74	67	61	56	56	52	48	46	43	41	37	35	33
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29
5	69	57	50	44	63	53	46	41	45	40	36	38	34	31	31	28	26
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	26	23	20
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	18
9	51	39	32	27	47	36	30	25	31	26	22	26	22	20	22	19	17
10	48	36	29	24	44	33	27	23	29	24	20	24	21	18	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15383	15383	15383	15383
5°	15419	16401	15478	13049
10°	15240	17905	15336	10758
15°	14871	18885	15077	9062
20°	14638	17732	14638	7877
25°	14172	15233	14236	7044
30°	13404	11974	13659	6380
35°	12724	8280	12937	5837
40°	11943	6252	12079	5404
45°	10979	5138	11158	4937
50°	10147	4510	10163	4520
55°	9196	3842	9254	4066
60°	8181	3210	8296	3549
65°	7277	2610	7408	3031
70°	6370	2049	6535	2445
75°	5348	1487	5555	1772
80°	4176	942	4471	1051
85°	2740	475	2952	350

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 15901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	2.0
10°-20°	269.4	5.7
20°-30°	391.0	8.3
30°-40°	412.2	8.8
40°-50°	364.7	7.8
50°-60°	291.2	6.2
60°-70°	197.8	4.2
70°-80°	101.2	2.2
80°-90°	26.5	0.6
90°-100°	56.2	1.2
100°-110°	178.7	3.8
110°-120°	305.8	6.5
120°-130°	402.1	8.6
130°-140°	451.4	9.6
140°-150°	442.6	9.4
150°-160°	371.3	7.9
160°-170°	246.2	5.3
170°-180°	86.1	1.8
0°-30°	752.9	16.1
0°-40°	1165.1	24.9
0°-60°	1821.1	38.9
0°-90°	2146.6	45.8
90°-120°	540.7	11.5
90°-150°	1836.8	39.2
90°-180°	2540.0	54.2
0°-180°	4687.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	972	972	972	972	972	
5°	972	1085	976	864	972	92
15°	914	1334	926	640	914	258
25°	821	1111	825	514	821	375
35°	670	605	681	426	670	419
45°	503	364	511	350	503	390
55°	345	256	347	271	345	308
65°	205	158	208	183	205	203
75°	96	78	99	93	96	103
85°	19	20	21	15	19	23
90°	1	26	1	26	1	4
95°	40	48	40	48	40	45
105°	165	170	165	170	165	174
115°	307	307	307	307	307	303
125°	446	448	446	448	446	399
135°	577	584	577	584	577	446
145°	701	708	701	708	701	438
155°	801	807	801	807	801	369
165°	872	873	872	873	872	246
175°	907	904	907	904	907	86
180°	909	909	909	909	909	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	977.0	979.2	983.0	983.7	991.2	997.2	1003.9	1003.9	1006.1	1005.4	999.4
5°	972.5	979.2	988.9	997.2	1010.6	1016.6	1025.5	1032.3	1038.2	1042.7	1042.0
7.5°	965.0	977.0	991.2	1006.9	1024.8	1035.3	1047.9	1059.9	1068.1	1075.6	1080.8
10°	952.3	972.5	991.9	1012.8	1036.0	1050.2	1065.1	1080.8	1093.5	1107.7	1121.1
12.5°	935.2	964.3	988.2	1015.8	1044.2	1059.9	1083.8	1095.8	1120.4	1156.3	1166.0
15°	913.5	953.1	975.5	1010.6	1047.9	1060.6	1093.5	1112.9	1163.7	1186.1	1213.0
17.5°	893.3	937.4	967.3	1007.6	1044.2	1068.9	1101.0	1140.6	1183.1	1215.3	1245.1
20°	876.9	919.5	955.3	1000.1	1046.5	1077.8	1111.4	1159.2	1205.6	1238.4	1261.6
22.5°	839.6	894.1	935.9	986.0	1042.0	1085.3	1117.4	1169.7	1219.7	1239.9	1260.1
25°	820.9	867.9	916.5	973.3	1039.0	1090.5	1118.2	1176.4	1220.5	1228.0	1232.4
27.5°	786.5	839.6	896.3	961.3	1038.2	1081.6	1116.7	1169.7	1204.8	1199.6	1186.1
30°	743.9	808.9	871.7	941.9	1027.8	1074.8	1107.7	1156.3	1174.2	1147.3	1123.4
32.5°	712.6	773.8	843.3	924.7	1015.8	1060.6	1092.8	1130.9	1134.6	1086.0	1045.7
35°	670.0	738.0	816.4	902.3	995.7	1036.0	1065.9	1089.0	1071.1	1003.1	955.3
37.5°	631.9	699.1	782.8	870.2	968.0	1007.6	1031.5	1035.3	991.2	931.4	861.2
40°	590.1	659.5	746.9	838.8	937.4	971.8	986.7	975.5	912.0	842.5	761.1
42.5°	548.2	617.0	711.1	805.2	898.6	927.7	933.7	903.0	825.4	743.9	649.8
45°	502.7	574.4	668.5	763.4	853.7	870.2	870.9	826.9	735.0	649.8	562.4
47.5°	465.3	531.8	625.2	720.0	796.2	807.4	803.0	752.2	652.1	556.5	480.3
50°	424.3	487.7	580.4	673.7	738.7	741.7	730.5	658.0	560.2	472.8	412.3
52.5°	380.2	444.4	529.6	619.2	677.5	673.0	651.3	573.6	481.8	409.3	363.0
55°	345.1	401.9	481.8	569.2	610.2	597.5	573.6	494.5	422.0	360.8	320.4
57.5°	306.2	356.3	434.7	510.9	534.8	522.9	499.0	425.0	357.8	311.5	284.6
60°	269.6	315.2	383.9	447.4	466.1	453.4	425.8	359.3	310.7	271.9	251.7
62.5°	236.0	275.6	333.1	391.4	398.9	386.2	362.3	308.5	266.7	236.0	221.1
65°	204.7	242.0	288.3	332.4	339.1	325.7	301.0	262.2	227.1	207.6	193.5
67.5°	174.0	203.9	245.0	277.1	280.8	268.1	248.0	216.6	194.9	174.0	163.6
70°	147.1	169.6	201.7	227.8	229.3	217.4	206.9	178.5	162.1	147.1	138.9
72.5°	121.0	136.7	161.3	180.8	181.5	174.0	164.3	146.4	132.2	121.8	113.5
75°	95.6	109.1	124.0	141.2	140.4	134.4	127.0	115.8	103.8	97.1	93.4
77.5°	73.2	81.4	93.4	104.6	104.6	101.6	97.1	88.9	81.4	74.7	71.0
80°	52.3	57.5	67.2	71.0	72.5	71.7	68.0	62.0	59.0	53.8	52.3
82.5°	33.6	37.3	41.8	45.6	47.8	46.3	45.6	42.6	38.1	36.6	35.1
85°	19.4	20.9	23.2	25.4	26.1	25.4	26.9	24.6	22.4	22.4	21.7
87.5°	8.2	9.0	10.5	10.5	11.2	11.2	10.5	11.2	11.2	10.5	9.7
90°	0.8	2.8	4.9	6.9	9.0	10.0	11.9	15.6	19.3	23.1	26.8
92.5°	16.9	18.3	19.6	21.0	22.3	23.0	23.1	23.3	23.4	23.6	23.8
95°	39.9	41.6	43.3	45.0	46.7	47.5	47.7	48.0	48.4	48.7	49.1
97.5°	66.7	68.2	69.8	71.3	72.8	73.6	73.9	74.6	75.3	76.0	76.7
100°	97.4	98.8	100.1	101.5	102.8	103.5	103.8	104.3	104.8	105.3	105.8
102.5°	129.6	130.6	131.6	132.7	133.7	134.2	134.5	135.2	135.9	136.6	137.3
105°	164.9	165.4	165.9	166.4	166.9	167.2	167.4	167.7	168.0	168.4	168.7
107.5°	200.1	200.8	201.5	202.2	202.9	203.2	203.2	203.2	203.2	203.2	203.2
110°	233.9	234.9	235.9	237.0	238.0	238.5	238.5	238.5	238.5	238.5	238.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	270.7	271.7	272.7	273.8	274.8	275.3	275.2	275.0	274.9	274.7	274.5
115°	306.7	307.7	308.7	309.8	310.8	311.3	311.1	310.8	310.5	310.1	309.8
117.5°	342.8	344.2	345.5	346.9	348.2	348.9	348.5	347.6	346.8	345.9	345.1
120°	378.8	380.2	381.5	382.9	384.2	384.9	384.2	382.9	381.5	380.2	378.8
122.5°	411.8	413.5	415.2	416.9	418.6	419.4	419.0	418.1	417.3	416.4	415.6
125°	446.3	447.8	449.4	450.9	452.4	453.2	452.9	452.4	451.9	451.4	450.9
127.5°	480.0	481.9	483.7	485.6	487.5	488.4	488.1	487.4	486.7	486.1	485.4
130°	511.5	513.7	515.9	518.1	520.3	521.4	521.2	520.9	520.6	520.2	519.9
132.5°	546.7	548.4	550.1	551.8	553.5	554.4	554.5	554.7	554.8	555.0	555.2
135°	577.4	579.3	581.1	583.0	584.9	585.8	586.0	586.3	586.7	587.0	587.4
137.5°	611.1	612.6	614.2	615.7	617.2	618.0	618.2	618.5	618.9	619.2	619.6
140°	641.0	642.5	644.1	645.6	647.1	647.9	648.3	649.2	650.1	650.9	651.8
142.5°	671.7	673.2	674.8	676.3	677.8	678.6	678.9	679.4	679.9	680.4	680.9
145°	700.8	702.0	703.2	704.4	705.6	706.2	706.7	707.7	708.8	709.8	710.8
147.5°	726.9	728.4	730.0	731.5	733.0	733.8	734.1	734.8	735.5	736.2	736.9
150°	753.8	754.8	755.8	756.9	757.9	758.4	758.7	759.4	760.1	760.7	761.4
152.5°	777.5	778.5	779.5	780.6	781.6	782.1	782.5	783.4	784.3	785.1	786.0
155°	801.3	801.8	802.3	802.8	803.3	803.6	803.9	804.4	804.9	805.4	805.9
157.5°	822.0	822.3	822.7	823.0	823.3	823.5	823.7	824.0	824.4	824.7	825.1
160°	840.4	840.7	841.1	841.4	841.7	841.9	842.0	842.2	842.3	842.5	842.7
162.5°	857.3	857.3	857.3	857.3	857.3	857.3	857.4	857.5	857.7	857.8	858.0
165°	871.8	871.6	871.5	871.3	871.2	871.1	871.1	871.1	871.1	871.1	871.1
167.5°	884.9	884.4	883.9	883.4	882.9	882.6	882.6	882.6	882.6	882.6	882.6
170°	894.8	894.3	893.8	893.3	892.8	892.5	892.4	892.3	892.1	892.0	891.8
172.5°	901.7	901.2	900.7	900.2	899.7	899.4	899.3	899.2	899.0	898.9	898.7
175°	907.1	906.6	906.1	905.6	905.1	904.8	904.6	904.3	904.0	903.6	903.3
177.5°	910.2	909.7	909.2	908.7	908.2	907.9	907.7	907.4	907.0	906.7	906.3
180°	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	1009.9	1010.6	1012.1	1019.6	1023.3	1024.0	1021.1	1027.8	1030.0	1027.8	1026.3
5°	1057.7	1062.1	1071.1	1080.8	1080.1	1080.8	1085.3	1089.8	1091.3	1085.3	1087.5
7.5°	1099.5	1108.4	1118.2	1133.1	1133.1	1140.6	1143.6	1147.3	1156.3	1151.8	1150.3
10°	1147.3	1159.2	1177.2	1201.1	1201.8	1209.3	1216.8	1228.7	1232.4	1229.5	1230.9
12.5°	1207.0	1230.2	1231.7	1257.8	1269.8	1271.3	1283.2	1281.0	1288.5	1288.5	1301.2
15°	1233.2	1269.0	1289.2	1314.6	1322.1	1313.1	1322.8	1333.3	1334.0	1334.0	1333.3
17.5°	1280.2	1294.4	1314.6	1328.0	1331.0	1331.0	1331.8	1336.3	1333.3	1327.3	1331.8
20°	1290.0	1295.9	1303.4	1301.9	1303.4	1295.9	1288.5	1281.0	1281.7	1278.0	1289.2
22.5°	1272.0	1270.5	1253.4	1242.2	1242.2	1227.2	1213.0	1206.3	1199.6	1201.8	1205.6
25°	1227.2	1204.1	1183.1	1166.7	1163.0	1139.1	1119.7	1113.7	1102.5	1111.4	1112.9
27.5°	1155.5	1129.4	1095.8	1081.6	1062.1	1052.4	1039.0	1021.1	997.9	1011.3	1009.1
30°	1078.6	1039.7	1012.1	977.7	947.1	944.9	919.5	889.6	877.6	877.6	884.4
32.5°	992.7	941.1	900.8	852.3	822.4	809.7	779.1	749.2	755.9	733.5	741.7
35°	892.6	824.6	773.8	726.8	704.4	689.4	649.8	633.4	615.5	605.0	624.4
37.5°	797.0	718.6	653.6	602.0	593.8	566.9	540.0	529.6	519.1	523.6	522.9
40°	680.5	611.0	552.7	512.4	498.2	485.5	467.6	454.9	448.2	451.9	452.6
42.5°	575.1	516.9	473.6	445.2	433.2	424.3	415.3	404.8	402.6	402.6	405.6
45°	493.7	445.9	416.8	393.6	386.9	380.2	373.5	369.0	367.5	364.5	366.7
47.5°	428.7	390.6	372.7	355.5	348.1	346.6	340.6	338.4	335.4	334.6	335.4
50°	374.2	350.3	333.9	324.2	318.9	316.7	313.7	309.2	307.7	311.5	310.0
52.5°	336.1	313.7	304.7	295.0	292.1	289.1	284.6	285.3	284.6	283.1	283.1
55°	298.0	283.8	274.9	267.4	266.7	263.7	259.9	258.4	257.7	256.2	258.4
57.5°	267.4	256.2	248.0	241.3	238.3	238.3	234.5	231.5	231.5	230.8	231.5
60°	236.8	225.6	220.3	213.6	211.4	210.6	208.4	206.9	204.7	204.7	204.7
62.5°	208.4	199.4	193.5	187.5	188.2	184.5	181.5	180.0	180.0	180.8	180.8
65°	181.5	175.5	168.1	162.8	161.3	160.6	159.1	158.3	156.1	157.6	157.6
67.5°	156.9	148.6	144.2	141.9	139.7	138.9	137.4	135.9	135.2	134.4	135.9
70°	132.2	125.5	121.8	120.3	118.0	117.3	116.5	114.3	115.0	115.8	116.5
72.5°	109.8	103.8	103.1	98.6	98.6	98.6	95.6	97.1	96.4	94.9	96.4
75°	86.6	83.7	82.2	79.9	80.7	79.9	79.2	76.9	76.9	77.7	78.4
77.5°	68.7	65.7	65.0	62.7	61.2	62.7	61.2	60.5	60.5	61.2	61.2
80°	50.8	49.3	47.1	47.1	47.1	46.3	46.3	46.3	45.6	44.8	45.6
82.5°	33.6	33.6	32.9	32.1	32.9	31.4	32.1	32.1	32.1	32.1	32.1
85°	21.7	20.9	20.9	20.2	20.2	20.2	20.9	19.4	19.4	20.2	20.2
87.5°	9.7	9.7	9.7	10.5	9.7	9.7	9.7	10.5	9.7	9.7	9.7
90°	26.5	26.1	25.8	25.5	25.3	25.4	25.6	25.7	25.9	26.1	25.9
92.5°	24.0	24.1	24.3	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5
95°	49.1	49.1	49.1	49.1	49.1	48.9	48.6	48.2	47.9	47.5	47.9
97.5°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
100°	105.8	105.8	105.8	105.8	105.8	105.7	105.6	105.4	105.3	105.1	105.3
102.5°	137.5	137.6	137.8	137.9	138.0	137.9	137.8	137.6	137.5	137.3	137.5
105°	169.0	169.4	169.7	170.0	170.2	170.2	170.2	170.2	170.2	170.2	170.2
107.5°	203.4	203.6	203.7	203.9	204.0	203.6	202.7	201.8	201.0	200.1	201.0
110°	238.5	238.5	238.5	238.5	238.5	238.2	237.7	237.2	236.7	236.2	236.7

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	274.0	273.5	273.0	272.5	272.2	272.0	271.7	271.4	271.0	270.7	271.0
115°	309.6	309.4	309.3	309.1	309.0	308.7	308.2	307.7	307.2	306.7	307.2
117.5°	344.6	344.1	343.6	343.1	342.8	342.5	342.0	341.5	341.0	340.5	341.0
120°	378.8	378.8	378.8	378.8	378.8	378.5	378.0	377.5	377.0	376.5	377.0
122.5°	415.1	414.6	414.1	413.6	413.3	413.1	412.8	412.5	412.1	411.8	412.1
125°	450.4	449.9	449.4	448.9	448.6	448.5	448.3	448.2	448.0	447.8	448.0
127.5°	484.7	484.0	483.3	482.6	482.3	482.0	481.5	481.0	480.5	480.0	480.5
130°	519.6	519.2	518.9	518.6	518.4	518.1	517.4	516.7	516.0	515.3	516.0
132.5°	554.3	553.5	552.6	551.7	551.3	551.0	550.5	550.0	549.5	549.0	549.5
135°	587.2	587.0	586.9	586.7	586.6	586.3	585.8	585.3	584.8	584.3	584.8
137.5°	619.4	619.2	619.1	618.9	618.8	618.5	617.8	617.1	616.4	615.7	616.4
140°	651.8	651.8	651.8	651.8	651.8	651.5	650.8	650.1	649.4	648.7	649.4
142.5°	681.1	681.3	681.4	681.6	681.7	681.4	680.7	680.0	679.3	678.6	679.3
145°	711.0	711.2	711.3	711.5	711.6	711.3	710.6	709.9	709.2	708.5	709.2
147.5°	737.2	737.6	737.9	738.2	738.4	738.1	737.4	736.7	736.1	735.4	736.1
150°	761.9	762.4	762.9	763.4	763.7	763.4	762.9	762.4	761.9	761.4	761.9
152.5°	786.7	787.3	788.0	788.7	789.0	788.7	788.0	787.3	786.7	786.0	786.7
155°	806.7	807.6	808.4	809.3	809.7	809.4	808.9	808.4	807.9	807.4	807.9
157.5°	826.3	827.5	828.6	829.8	830.4	830.0	829.1	828.3	827.4	826.6	827.4
160°	843.7	844.7	845.8	846.8	847.3	847.0	846.3	845.6	844.9	844.2	844.9
162.5°	859.2	860.4	861.6	862.8	863.4	863.0	862.1	861.3	860.4	859.6	860.4
165°	872.3	873.5	874.6	875.8	876.4	876.0	875.1	874.3	873.4	872.6	873.4
167.5°	883.8	885.0	886.1	887.3	887.9	887.5	886.6	885.8	884.9	884.1	884.9
170°	893.0	894.2	895.3	896.5	897.1	896.6	895.6	894.5	893.5	892.5	893.5
172.5°	899.9	901.1	902.2	903.4	904.0	903.5	902.5	901.4	900.4	899.4	900.4
175°	904.5	905.7	906.9	908.1	908.7	908.2	907.1	906.1	905.0	904.0	905.0
177.5°	907.3	908.4	909.4	910.5	911.0	910.5	909.4	908.4	907.3	906.3	907.3
180°	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	1030.0	1024.8	1020.3	1021.1	1024.8	1021.8	1014.3	1004.6	1000.9	996.4	1000.9
5°	1092.0	1087.5	1078.6	1079.3	1077.1	1074.1	1062.1	1047.2	1047.2	1035.3	1033.8
7.5°	1153.3	1146.5	1140.6	1139.1	1130.9	1124.9	1114.4	1093.5	1085.3	1071.1	1062.9
10°	1222.0	1216.8	1210.0	1201.8	1197.3	1186.9	1169.7	1139.1	1124.1	1104.7	1090.5
12.5°	1291.4	1290.7	1275.8	1259.3	1258.6	1242.2	1230.2	1189.1	1169.0	1142.8	1109.2
15°	1335.5	1331.8	1323.6	1315.4	1317.6	1299.7	1272.8	1224.2	1210.8	1179.4	1143.6
17.5°	1334.8	1334.8	1332.5	1331.0	1328.8	1323.6	1308.6	1276.5	1254.8	1215.3	1181.6
20°	1292.2	1301.9	1304.1	1303.4	1310.9	1314.6	1313.9	1293.7	1276.5	1241.4	1207.0
22.5°	1207.0	1229.5	1239.2	1245.1	1260.8	1269.0	1288.5	1281.0	1276.5	1250.4	1221.2
25°	1127.9	1135.3	1164.5	1166.0	1187.6	1207.8	1227.2	1239.9	1256.3	1246.6	1222.0
27.5°	1025.5	1042.7	1063.6	1079.3	1083.8	1124.9	1157.0	1180.9	1218.2	1221.2	1213.0
30°	909.8	918.0	952.3	973.3	997.2	1027.0	1073.3	1114.4	1148.0	1178.7	1189.1
32.5°	768.6	802.2	822.4	847.8	868.7	921.7	978.5	1031.5	1070.4	1121.9	1144.3
35°	639.4	665.5	699.9	710.3	748.4	793.2	867.2	935.2	994.2	1046.5	1092.0
37.5°	532.6	553.5	590.1	606.5	628.9	686.4	748.4	832.8	903.8	968.0	1024.8
40°	459.4	475.0	502.7	507.9	526.6	578.9	628.9	708.1	802.2	888.9	950.8
42.5°	409.3	416.8	435.5	442.2	454.1	489.2	534.1	608.8	696.1	785.8	873.2
45°	373.5	378.7	389.9	395.9	410.8	426.5	463.1	522.9	591.6	682.0	776.1
47.5°	341.3	348.1	352.6	356.3	364.5	381.7	405.6	449.7	515.4	598.3	689.4
50°	314.5	316.7	324.9	325.7	330.9	342.1	364.5	391.4	443.7	510.9	599.0
52.5°	287.6	289.8	295.0	300.3	302.5	311.5	326.4	348.8	387.7	440.7	519.1
55°	260.7	263.7	268.9	272.6	274.9	282.3	291.3	313.0	343.6	380.9	445.2
57.5°	233.8	240.5	242.0	244.2	248.0	256.2	264.4	277.1	301.0	335.4	382.4
60°	208.4	210.6	215.9	218.1	221.8	226.3	236.8	246.5	263.7	290.6	333.1
62.5°	182.3	187.5	189.7	192.0	194.9	200.2	206.9	217.4	232.3	254.0	287.6
65°	159.8	160.6	165.1	168.1	171.0	174.8	181.5	191.2	200.2	220.3	245.0
67.5°	138.2	139.7	141.2	144.2	147.9	151.6	157.6	162.8	174.0	187.5	206.9
70°	117.3	117.3	121.0	123.2	122.5	127.0	131.5	137.4	145.7	158.3	174.0
72.5°	98.6	97.8	100.8	101.6	103.1	106.1	109.1	115.0	119.5	129.2	141.2
75°	78.4	79.9	81.4	81.4	83.7	85.9	88.9	91.9	97.1	103.1	112.0
77.5°	62.0	62.0	63.5	64.2	66.5	65.7	68.7	71.7	75.4	80.7	87.4
80°	45.6	47.1	47.1	47.1	47.8	48.6	51.5	53.8	56.0	59.8	62.7
82.5°	32.1	32.1	33.6	33.6	33.6	35.1	35.1	35.9	37.3	39.6	41.8
85°	20.2	20.2	20.2	20.9	20.2	20.9	22.4	21.7	22.4	23.9	23.9
87.5°	9.7	9.7	9.7	9.7	9.7	10.5	9.7	10.5	11.2	11.2	11.2
90°	25.7	25.6	25.4	25.3	25.5	25.8	26.1	26.5	26.8	23.1	19.3
92.5°	24.5	24.5	24.5	24.5	24.4	24.3	24.1	24.0	23.8	23.6	23.4
95°	48.2	48.6	48.9	49.1	49.1	49.1	49.1	49.1	49.1	48.7	48.4
97.5°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.0	75.3
100°	105.4	105.6	105.7	105.8	105.8	105.8	105.8	105.8	105.8	105.3	104.8
102.5°	137.6	137.8	137.9	138.0	137.9	137.8	137.6	137.5	137.3	136.6	135.9
105°	170.2	170.2	170.2	170.2	170.0	169.7	169.4	169.0	168.7	168.4	168.0
107.5°	201.8	202.7	203.6	204.0	203.9	203.7	203.6	203.4	203.2	203.2	203.2
110°	237.2	237.7	238.2	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	271.4	271.7	272.0	272.2	272.5	273.0	273.5	274.0	274.5	274.7	274.9
115°	307.7	308.2	308.7	309.0	309.1	309.3	309.4	309.6	309.8	310.1	310.5
117.5°	341.5	342.0	342.5	342.8	343.1	343.6	344.1	344.6	345.1	345.9	346.8
120°	377.5	378.0	378.5	378.8	378.8	378.8	378.8	378.8	378.8	380.2	381.5
122.5°	412.5	412.8	413.1	413.3	413.6	414.1	414.6	415.1	415.6	416.4	417.3
125°	448.2	448.3	448.5	448.6	448.9	449.4	449.9	450.4	450.9	451.4	451.9
127.5°	481.0	481.5	482.0	482.3	482.6	483.3	484.0	484.7	485.4	486.1	486.7
130°	516.7	517.4	518.1	518.4	518.6	518.9	519.2	519.6	519.9	520.2	520.6
132.5°	550.0	550.5	551.0	551.3	551.7	552.6	553.5	554.3	555.2	555.0	554.8
135°	585.3	585.8	586.3	586.6	586.7	586.9	587.0	587.2	587.4	587.0	586.7
137.5°	617.1	617.8	618.5	618.8	618.9	619.1	619.2	619.4	619.6	619.2	618.9
140°	650.1	650.8	651.5	651.8	651.8	651.8	651.8	651.8	651.8	650.9	650.1
142.5°	680.0	680.7	681.4	681.7	681.6	681.4	681.3	681.1	680.9	680.4	679.9
145°	709.9	710.6	711.3	711.6	711.5	711.3	711.2	711.0	710.8	709.8	708.8
147.5°	736.7	737.4	738.1	738.4	738.2	737.9	737.6	737.2	736.9	736.2	735.5
150°	762.4	762.9	763.4	763.7	763.4	762.9	762.4	761.9	761.4	760.7	760.1
152.5°	787.3	788.0	788.7	789.0	788.7	788.0	787.3	786.7	786.0	785.1	784.3
155°	808.4	808.9	809.4	809.7	809.3	808.4	807.6	806.7	805.9	805.4	804.9
157.5°	828.3	829.1	830.0	830.4	829.8	828.6	827.5	826.3	825.1	824.7	824.4
160°	845.6	846.3	847.0	847.3	846.8	845.8	844.7	843.7	842.7	842.5	842.3
162.5°	861.3	862.1	863.0	863.4	862.8	861.6	860.4	859.2	858.0	857.8	857.7
165°	874.3	875.1	876.0	876.4	875.8	874.6	873.5	872.3	871.1	871.1	871.1
167.5°	885.8	886.6	887.5	887.9	887.3	886.1	885.0	883.8	882.6	882.6	882.6
170°	894.5	895.6	896.6	897.1	896.5	895.3	894.2	893.0	891.8	892.0	892.1
172.5°	901.4	902.5	903.5	904.0	903.4	902.2	901.1	899.9	898.7	898.9	899.0
175°	906.1	907.1	908.2	908.7	908.1	906.9	905.7	904.5	903.3	903.6	904.0
177.5°	908.4	909.4	910.5	911.0	910.5	909.4	908.4	907.3	906.3	906.7	907.0
180°	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	997.2	993.4	991.2	992.7	988.2	977.0	977.0	980.7	976.2	971.8	965.0
5°	1024.8	1017.3	1012.8	1012.1	1001.6	983.7	980.0	976.2	966.5	956.1	944.9
7.5°	1051.7	1038.2	1030.8	1025.5	1010.6	987.4	977.7	969.5	953.8	938.1	924.0
10°	1074.1	1054.7	1045.7	1037.5	1018.1	988.9	973.3	958.3	938.1	918.0	900.1
12.5°	1092.0	1069.6	1058.4	1046.5	1022.6	984.5	965.0	941.1	921.0	894.1	876.2
15°	1121.9	1075.6	1065.1	1053.9	1029.3	977.0	953.1	926.2	898.6	862.7	843.3
17.5°	1145.8	1083.8	1083.1	1059.2	1027.0	974.0	937.4	902.3	872.4	836.6	805.9
20°	1160.0	1096.5	1084.5	1059.9	1019.6	953.8	915.7	876.9	844.8	801.5	770.8
22.5°	1171.9	1114.4	1083.1	1053.2	1003.9	947.1	891.1	854.5	810.4	763.4	734.2
25°	1176.4	1118.2	1085.3	1050.9	992.7	927.7	864.2	824.6	775.3	732.7	693.2
27.5°	1177.2	1117.4	1077.1	1041.2	977.0	902.3	837.3	795.5	741.0	691.7	652.1
30°	1169.7	1109.2	1072.6	1033.8	962.1	879.1	804.4	758.1	699.9	650.6	609.5
32.5°	1147.3	1092.8	1062.9	1020.3	942.6	847.0	773.1	721.5	660.3	611.7	572.2
35°	1109.9	1072.6	1039.7	1000.1	917.2	817.1	741.7	681.2	619.2	572.9	535.6
37.5°	1063.6	1043.5	1012.8	974.0	888.1	790.3	706.6	639.4	577.4	532.6	496.0
40°	1000.9	1006.1	976.2	941.1	853.7	753.7	661.0	596.8	538.5	496.7	460.9
42.5°	932.9	954.6	937.4	903.8	815.7	713.3	627.4	556.5	499.7	456.4	426.5
45°	859.7	897.1	886.6	862.0	776.1	670.7	579.6	510.9	460.9	419.0	392.9
47.5°	779.8	832.8	832.8	814.9	732.0	628.2	538.5	468.3	419.0	389.2	363.8
50°	698.4	758.1	767.8	755.9	682.7	579.6	488.5	425.0	382.4	353.3	334.6
52.5°	613.2	682.7	700.6	694.6	630.4	533.3	447.4	385.4	346.6	321.2	304.7
55°	531.8	612.5	631.9	634.1	574.4	482.5	401.9	347.3	310.0	292.8	278.6
57.5°	454.9	532.6	554.2	558.0	517.6	436.2	359.3	311.5	277.9	263.7	252.5
60°	389.2	454.1	482.5	490.7	455.6	382.4	319.7	273.4	248.0	234.5	224.1
62.5°	335.4	387.7	417.5	419.8	404.1	335.4	278.6	239.8	218.1	206.2	200.9
65°	283.1	330.1	348.1	357.0	344.3	290.6	240.5	208.4	191.2	180.8	175.5
67.5°	241.3	271.1	286.1	298.0	285.3	245.0	204.7	178.5	165.8	155.4	152.4
70°	197.9	222.6	233.8	245.7	234.5	203.9	174.8	150.9	139.7	131.5	127.7
72.5°	158.3	177.8	188.2	195.7	189.0	163.6	139.7	123.2	115.0	109.1	106.8
75°	125.5	138.9	144.9	150.1	147.1	127.7	112.8	99.3	91.9	86.6	85.2
77.5°	95.6	105.3	112.0	113.5	109.8	97.1	84.4	76.2	70.2	67.2	65.7
80°	68.0	73.9	77.7	79.9	76.2	71.0	62.0	56.0	50.8	47.1	46.3
82.5°	45.6	48.6	51.5	50.8	49.3	44.8	39.6	36.6	34.4	31.4	31.4
85°	26.1	26.9	28.4	29.1	28.4	25.4	22.4	20.9	19.4	17.2	17.2
87.5°	11.2	12.0	12.0	12.7	11.2	11.2	9.7	8.2	8.2	7.5	6.7
90°	15.6	11.9	10.0	9.0	6.9	4.9	2.8	0.8	2.8	4.9	6.9
92.5°	23.3	23.1	23.0	22.3	21.0	19.6	18.3	16.9	18.3	19.6	21.0
95°	48.0	47.7	47.5	46.7	45.0	43.3	41.6	39.9	41.6	43.3	45.0
97.5°	74.6	73.9	73.6	72.8	71.3	69.8	68.2	66.7	68.2	69.8	71.3
100°	104.3	103.8	103.5	102.8	101.5	100.1	98.8	97.4	98.8	100.1	101.5
102.5°	135.2	134.5	134.2	133.7	132.7	131.6	130.6	129.6	130.6	131.6	132.7
105°	167.7	167.4	167.2	166.9	166.4	165.9	165.4	164.9	165.4	165.9	166.4
107.5°	203.2	203.2	203.2	202.9	202.2	201.5	200.8	200.1	200.8	201.5	202.2
110°	238.5	238.5	238.5	238.0	237.0	235.9	234.9	233.9	234.9	235.9	237.0

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	275.0	275.2	275.3	274.8	273.8	272.7	271.7	270.7	271.7	272.7	273.8
115°	310.8	311.1	311.3	310.8	309.8	308.7	307.7	306.7	307.7	308.7	309.8
117.5°	347.6	348.5	348.9	348.2	346.9	345.5	344.2	342.8	344.2	345.5	346.9
120°	382.9	384.2	384.9	384.2	382.9	381.5	380.2	378.8	380.2	381.5	382.9
122.5°	418.1	419.0	419.4	418.6	416.9	415.2	413.5	411.8	413.5	415.2	416.9
125°	452.4	452.9	453.2	452.4	450.9	449.4	447.8	446.3	447.8	449.4	450.9
127.5°	487.4	488.1	488.4	487.5	485.6	483.7	481.9	480.0	481.9	483.7	485.6
130°	520.9	521.2	521.4	520.3	518.1	515.9	513.7	511.5	513.7	515.9	518.1
132.5°	554.7	554.5	554.4	553.5	551.8	550.1	548.4	546.7	548.4	550.1	551.8
135°	586.3	586.0	585.8	584.9	583.0	581.1	579.3	577.4	579.3	581.1	583.0
137.5°	618.5	618.2	618.0	617.2	615.7	614.2	612.6	611.1	612.6	614.2	615.7
140°	649.2	648.3	647.9	647.1	645.6	644.1	642.5	641.0	642.5	644.1	645.6
142.5°	679.4	678.9	678.6	677.8	676.3	674.8	673.2	671.7	673.2	674.8	676.3
145°	707.7	706.7	706.2	705.6	704.4	703.2	702.0	700.8	702.0	703.2	704.4
147.5°	734.8	734.1	733.8	733.0	731.5	730.0	728.4	726.9	728.4	730.0	731.5
150°	759.4	758.7	758.4	757.9	756.9	755.8	754.8	753.8	754.8	755.8	756.9
152.5°	783.4	782.5	782.1	781.6	780.6	779.5	778.5	777.5	778.5	779.5	780.6
155°	804.4	803.9	803.6	803.3	802.8	802.3	801.8	801.3	801.8	802.3	802.8
157.5°	824.0	823.7	823.5	823.3	823.0	822.7	822.3	822.0	822.3	822.7	823.0
160°	842.2	842.0	841.9	841.7	841.4	841.1	840.7	840.4	840.7	841.1	841.4
162.5°	857.5	857.4	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3	857.3
165°	871.1	871.1	871.1	871.2	871.3	871.5	871.6	871.8	871.6	871.5	871.3
167.5°	882.6	882.6	882.6	882.9	883.4	883.9	884.4	884.9	884.4	883.9	883.4
170°	892.3	892.4	892.5	892.8	893.3	893.8	894.3	894.8	894.3	893.8	893.3
172.5°	899.2	899.3	899.4	899.7	900.2	900.7	901.2	901.7	901.2	900.7	900.2
175°	904.3	904.6	904.8	905.1	905.6	906.1	906.6	907.1	906.6	906.1	905.6
177.5°	907.4	907.7	907.9	908.2	908.7	909.2	909.7	910.2	909.7	909.2	908.7
180°	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	961.3	965.0	964.3	956.8	948.6	941.9	929.2	930.7	926.2	926.9	931.4
5°	937.4	937.4	934.4	924.0	910.5	903.0	888.9	885.1	876.2	875.4	874.7
7.5°	912.0	908.3	904.5	889.6	873.2	861.2	841.8	837.3	828.3	822.4	819.4
10°	882.1	876.9	869.4	852.3	832.1	817.1	797.0	791.0	773.8	766.4	761.9
12.5°	849.3	846.3	834.3	820.1	787.3	770.8	741.7	747.7	730.5	715.6	713.3
15°	816.4	805.2	798.5	775.3	735.7	728.3	705.1	693.2	677.5	665.5	665.5
17.5°	784.3	767.1	752.2	727.5	698.4	677.5	660.3	654.3	634.9	622.9	620.7
20°	741.7	722.3	718.6	683.4	663.3	640.1	623.7	608.8	594.6	589.3	585.6
22.5°	701.4	679.0	673.0	643.1	622.9	599.8	583.4	572.9	562.4	558.7	552.0
25°	658.0	644.6	635.6	603.5	581.1	559.5	548.2	540.8	531.1	530.3	525.8
27.5°	616.2	603.5	594.6	563.9	547.5	527.3	518.4	510.2	504.9	502.7	500.4
30°	580.4	566.2	555.7	533.3	513.1	496.7	489.2	484.0	481.0	477.3	476.5
32.5°	540.8	532.6	518.4	501.2	485.5	469.8	465.3	461.6	457.1	455.6	454.9
35°	507.2	496.0	487.0	467.6	460.9	447.4	442.2	439.2	433.2	431.7	430.2
37.5°	474.3	463.8	454.1	442.2	429.5	422.0	419.0	414.5	411.6	412.3	410.8
40°	441.4	433.2	425.8	413.1	405.6	401.9	395.9	391.4	389.9	390.6	389.9
42.5°	409.3	401.9	397.4	387.7	380.2	376.5	372.7	368.2	370.5	370.5	372.7
45°	380.2	373.5	370.5	363.0	358.5	352.6	348.8	348.1	351.1	350.3	350.3
47.5°	350.3	348.1	344.3	337.6	331.6	327.9	327.2	327.2	330.1	331.6	330.9
50°	327.2	322.7	318.2	313.0	308.5	307.0	304.7	306.2	309.2	309.2	310.7
52.5°	298.0	295.0	293.5	289.1	286.1	286.1	286.1	286.8	289.1	291.3	290.6
55°	272.6	270.4	268.9	266.7	262.9	263.7	262.9	264.4	266.7	268.9	270.4
57.5°	245.7	245.0	243.5	239.8	239.8	239.0	241.3	242.0	245.7	247.2	249.5
60°	221.8	219.6	219.6	216.6	216.6	216.6	218.9	221.1	224.1	224.8	226.3
62.5°	196.4	196.4	195.7	193.5	193.5	195.7	196.4	199.4	200.9	200.9	203.2
65°	172.5	171.8	171.0	171.8	172.5	172.5	174.8	176.3	177.8	178.5	179.3
67.5°	148.6	147.9	149.4	148.6	150.1	153.1	152.4	154.6	156.9	156.9	157.6
70°	126.2	127.7	127.0	128.5	127.7	129.2	131.5	132.2	132.2	133.0	135.2
72.5°	105.3	105.3	105.3	104.6	105.3	106.8	108.3	109.1	110.5	111.3	113.5
75°	85.2	85.2	83.7	85.2	85.2	86.6	88.1	88.1	88.1	89.6	91.9
77.5°	64.2	65.0	64.2	65.7	65.7	66.5	68.0	67.2	68.7	69.5	70.2
80°	47.1	46.3	46.3	46.3	47.1	47.1	48.6	49.3	49.3	51.5	50.0
82.5°	29.9	30.6	29.9	30.6	30.6	31.4	30.6	31.4	32.1	33.6	32.9
85°	17.2	16.4	16.4	17.2	16.4	16.4	17.2	16.4	17.2	16.4	17.2
87.5°	6.7	6.0	6.0	6.0	6.0	5.2	5.2	4.5	4.5	4.5	3.7
90°	9.0	10.0	11.9	15.6	19.3	23.1	26.8	26.5	26.1	25.8	25.5
92.5°	22.3	23.0	23.1	23.3	23.4	23.6	23.8	24.0	24.1	24.3	24.4
95°	46.7	47.5	47.7	48.0	48.4	48.7	49.1	49.1	49.1	49.1	49.1
97.5°	72.8	73.6	73.9	74.6	75.3	76.0	76.7	76.7	76.7	76.7	76.7
100°	102.8	103.5	103.8	104.3	104.8	105.3	105.8	105.8	105.8	105.8	105.8
102.5°	133.7	134.2	134.5	135.2	135.9	136.6	137.3	137.5	137.6	137.8	137.9
105°	166.9	167.2	167.4	167.7	168.0	168.4	168.7	169.0	169.4	169.7	170.0
107.5°	202.9	203.2	203.2	203.2	203.2	203.2	203.2	203.4	203.6	203.7	203.9
110°	238.0	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	274.8	275.3	275.2	275.0	274.9	274.7	274.5	274.0	273.5	273.0	272.5
115°	310.8	311.3	311.1	310.8	310.5	310.1	309.8	309.6	309.4	309.3	309.1
117.5°	348.2	348.9	348.5	347.6	346.8	345.9	345.1	344.6	344.1	343.6	343.1
120°	384.2	384.9	384.2	382.9	381.5	380.2	378.8	378.8	378.8	378.8	378.8
122.5°	418.6	419.4	419.0	418.1	417.3	416.4	415.6	415.1	414.6	414.1	413.6
125°	452.4	453.2	452.9	452.4	451.9	451.4	450.9	450.4	449.9	449.4	448.9
127.5°	487.5	488.4	488.1	487.4	486.7	486.1	485.4	484.7	484.0	483.3	482.6
130°	520.3	521.4	521.2	520.9	520.6	520.2	519.9	519.6	519.2	518.9	518.6
132.5°	553.5	554.4	554.5	554.7	554.8	555.0	555.2	554.3	553.5	552.6	551.7
135°	584.9	585.8	586.0	586.3	586.7	587.0	587.4	587.2	587.0	586.9	586.7
137.5°	617.2	618.0	618.2	618.5	618.9	619.2	619.6	619.4	619.2	619.1	618.9
140°	647.1	647.9	648.3	649.2	650.1	650.9	651.8	651.8	651.8	651.8	651.8
142.5°	677.8	678.6	678.9	679.4	679.9	680.4	680.9	681.1	681.3	681.4	681.6
145°	705.6	706.2	706.7	707.7	708.8	709.8	710.8	711.0	711.2	711.3	711.5
147.5°	733.0	733.8	734.1	734.8	735.5	736.2	736.9	737.2	737.6	737.9	738.2
150°	757.9	758.4	758.7	759.4	760.1	760.7	761.4	761.9	762.4	762.9	763.4
152.5°	781.6	782.1	782.5	783.4	784.3	785.1	786.0	786.7	787.3	788.0	788.7
155°	803.3	803.6	803.9	804.4	804.9	805.4	805.9	806.7	807.6	808.4	809.3
157.5°	823.3	823.5	823.7	824.0	824.4	824.7	825.1	826.3	827.5	828.6	829.8
160°	841.7	841.9	842.0	842.2	842.3	842.5	842.7	843.7	844.7	845.8	846.8
162.5°	857.3	857.3	857.4	857.5	857.7	857.8	858.0	859.2	860.4	861.6	862.8
165°	871.2	871.1	871.1	871.1	871.1	871.1	871.1	872.3	873.5	874.6	875.8
167.5°	882.9	882.6	882.6	882.6	882.6	882.6	882.6	883.8	885.0	886.1	887.3
170°	892.8	892.5	892.4	892.3	892.1	892.0	891.8	893.0	894.2	895.3	896.5
172.5°	899.7	899.4	899.3	899.2	899.0	898.9	898.7	899.9	901.1	902.2	903.4
175°	905.1	904.8	904.6	904.3	904.0	903.6	903.3	904.5	905.7	906.9	908.1
177.5°	908.2	907.9	907.7	907.4	907.0	906.7	906.3	907.3	908.4	909.4	910.5
180°	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	926.2	928.4	923.2	921.7	923.2	918.0	919.5	921.0	921.0	923.2	924.7
5°	872.4	869.4	864.2	862.7	861.2	863.5	862.0	864.2	864.9	870.2	870.9
7.5°	819.4	814.9	810.4	805.9	804.4	800.7	804.4	804.4	809.7	808.2	811.9
10°	756.6	755.9	749.9	747.7	744.7	738.7	746.9	744.7	748.4	755.1	756.6
12.5°	710.3	702.1	705.9	695.4	699.1	693.2	693.9	693.9	699.9	700.6	699.1
15°	666.3	659.5	649.8	645.4	643.1	640.1	649.8	650.6	646.1	656.6	652.8
17.5°	621.4	621.4	612.5	610.2	604.3	607.3	605.8	606.5	605.0	612.5	616.2
20°	582.6	578.9	575.9	576.6	569.2	567.7	566.2	567.7	572.9	578.1	579.6
22.5°	551.2	549.0	541.5	543.0	537.0	539.3	537.8	541.5	542.3	542.3	547.5
25°	521.4	518.4	519.1	516.1	513.9	513.9	511.6	513.9	516.9	518.4	519.1
27.5°	499.0	496.7	493.0	490.7	492.2	488.5	491.5	493.7	493.7	492.2	493.7
30°	472.1	473.6	473.6	466.1	469.1	467.6	469.8	471.3	471.3	472.1	470.6
32.5°	454.1	449.7	448.9	448.2	448.2	445.2	445.2	447.4	448.2	448.9	451.1
35°	430.2	430.2	426.5	428.7	425.8	426.5	425.8	426.5	428.0	425.8	428.0
37.5°	408.6	409.3	407.8	409.3	410.1	408.6	407.1	410.1	408.6	408.6	407.1
40°	389.9	389.2	389.9	389.9	389.9	390.6	389.2	389.2	389.2	387.7	386.2
42.5°	374.2	369.7	371.2	372.0	369.7	369.7	370.5	369.7	372.0	367.5	367.5
45°	351.8	350.3	351.1	351.1	352.6	350.3	351.8	352.6	350.3	349.6	348.1
47.5°	331.6	333.1	331.6	333.1	333.1	334.6	331.6	332.4	333.1	330.1	327.9
50°	311.5	311.5	313.7	313.0	313.7	312.2	312.2	311.5	312.2	310.7	308.5
52.5°	292.8	290.6	294.3	293.5	292.8	292.1	291.3	292.1	290.6	289.1	289.1
55°	269.6	269.6	271.9	272.6	272.6	271.1	269.6	270.4	269.6	268.9	268.1
57.5°	251.0	248.0	249.5	250.2	250.2	248.0	249.5	248.0	248.0	248.7	246.5
60°	227.1	227.1	225.6	227.8	227.8	226.3	226.3	227.1	225.6	224.8	224.1
62.5°	201.7	202.4	204.7	205.4	206.2	204.7	203.2	203.9	203.9	201.7	202.4
65°	180.0	181.5	184.5	183.7	182.3	183.0	181.5	182.3	180.0	180.8	178.5
67.5°	159.1	158.3	159.1	159.1	160.6	159.8	158.3	158.3	157.6	159.8	157.6
70°	136.7	136.7	136.7	136.7	137.4	138.2	136.7	135.2	135.9	134.4	133.7
72.5°	113.5	114.3	113.5	115.0	112.8	114.3	114.3	113.5	112.8	112.8	112.8
75°	91.9	93.4	91.1	91.9	91.1	92.6	91.9	91.9	90.4	89.6	90.4
77.5°	70.2	71.0	69.5	70.2	69.5	70.2	70.2	69.5	69.5	69.5	69.5
80°	50.0	50.8	50.0	49.3	48.6	50.0	48.6	49.3	50.0	49.3	50.8
82.5°	32.1	32.1	31.4	32.1	30.6	30.6	31.4	31.4	30.6	32.1	30.6
85°	15.7	15.7	17.2	15.7	14.9	14.9	14.9	15.7	14.9	16.4	15.7
87.5°	3.7	3.0	3.7	3.7	3.0	3.0	3.7	3.0	3.7	4.5	3.0
90°	25.3	25.4	25.6	25.7	25.9	26.1	25.9	25.7	25.6	25.4	25.3
92.5°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
95°	49.1	48.9	48.6	48.2	47.9	47.5	47.9	48.2	48.6	48.9	49.1
97.5°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
100°	105.8	105.7	105.6	105.4	105.3	105.1	105.3	105.4	105.6	105.7	105.8
102.5°	138.0	137.9	137.8	137.6	137.5	137.3	137.5	137.6	137.8	137.9	138.0
105°	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2	170.2
107.5°	204.0	203.6	202.7	201.8	201.0	200.1	201.0	201.8	202.7	203.6	204.0
110°	238.5	238.2	237.7	237.2	236.7	236.2	236.7	237.2	237.7	238.2	238.5

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	272.2	272.0	271.7	271.4	271.0	270.7	271.0	271.4	271.7	272.0	272.2
115°	309.0	308.7	308.2	307.7	307.2	306.7	307.2	307.7	308.2	308.7	309.0
117.5°	342.8	342.5	342.0	341.5	341.0	340.5	341.0	341.5	342.0	342.5	342.8
120°	378.8	378.5	378.0	377.5	377.0	376.5	377.0	377.5	378.0	378.5	378.8
122.5°	413.3	413.1	412.8	412.5	412.1	411.8	412.1	412.5	412.8	413.1	413.3
125°	448.6	448.5	448.3	448.2	448.0	447.8	448.0	448.2	448.3	448.5	448.6
127.5°	482.3	482.0	481.5	481.0	480.5	480.0	480.5	481.0	481.5	482.0	482.3
130°	518.4	518.1	517.4	516.7	516.0	515.3	516.0	516.7	517.4	518.1	518.4
132.5°	551.3	551.0	550.5	550.0	549.5	549.0	549.5	550.0	550.5	551.0	551.3
135°	586.6	586.3	585.8	585.3	584.8	584.3	584.8	585.3	585.8	586.3	586.6
137.5°	618.8	618.5	617.8	617.1	616.4	615.7	616.4	617.1	617.8	618.5	618.8
140°	651.8	651.5	650.8	650.1	649.4	648.7	649.4	650.1	650.8	651.5	651.8
142.5°	681.7	681.4	680.7	680.0	679.3	678.6	679.3	680.0	680.7	681.4	681.7
145°	711.6	711.3	710.6	709.9	709.2	708.5	709.2	709.9	710.6	711.3	711.6
147.5°	738.4	738.1	737.4	736.7	736.1	735.4	736.1	736.7	737.4	738.1	738.4
150°	763.7	763.4	762.9	762.4	761.9	761.4	761.9	762.4	762.9	763.4	763.7
152.5°	789.0	788.7	788.0	787.3	786.7	786.0	786.7	787.3	788.0	788.7	789.0
155°	809.7	809.4	808.9	808.4	807.9	807.4	807.9	808.4	808.9	809.4	809.7
157.5°	830.4	830.0	829.1	828.3	827.4	826.6	827.4	828.3	829.1	830.0	830.4
160°	847.3	847.0	846.3	845.6	844.9	844.2	844.9	845.6	846.3	847.0	847.3
162.5°	863.4	863.0	862.1	861.3	860.4	859.6	860.4	861.3	862.1	863.0	863.4
165°	876.4	876.0	875.1	874.3	873.4	872.6	873.4	874.3	875.1	876.0	876.4
167.5°	887.9	887.5	886.6	885.8	884.9	884.1	884.9	885.8	886.6	887.5	887.9
170°	897.1	896.6	895.6	894.5	893.5	892.5	893.5	894.5	895.6	896.6	897.1
172.5°	904.0	903.5	902.5	901.4	900.4	899.4	900.4	901.4	902.5	903.5	904.0
175°	908.7	908.2	907.1	906.1	905.0	904.0	905.0	906.1	907.1	908.2	908.7
177.5°	911.0	910.5	909.4	908.4	907.3	906.3	907.3	908.4	909.4	910.5	911.0
180°	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8	971.8
2.5°	922.5	928.4	926.2	918.0	927.7	927.7	934.4	934.4	942.6	945.6	950.1
5°	870.2	874.7	878.4	874.7	881.4	891.8	897.8	903.0	914.2	918.7	925.5
7.5°	814.2	822.4	826.1	826.1	837.3	849.3	861.2	868.7	884.4	890.3	897.1
10°	759.6	769.3	776.8	776.1	794.7	802.2	817.1	834.3	850.0	859.0	868.7
12.5°	702.1	707.3	717.8	732.7	737.2	750.7	767.8	789.5	817.9	826.1	840.3
15°	654.3	668.5	676.7	683.4	693.9	706.6	725.3	746.2	774.6	792.5	807.4
17.5°	614.0	632.7	637.9	636.4	649.8	669.3	690.9	706.6	732.0	753.7	767.8
20°	581.1	588.6	597.5	601.3	611.7	632.7	653.6	671.5	692.4	709.6	726.0
22.5°	548.2	554.2	561.7	568.4	576.6	588.6	608.8	631.2	651.3	667.8	686.4
25°	521.4	525.1	531.8	537.0	546.0	554.2	568.4	593.1	617.0	626.7	643.1
27.5°	495.2	498.2	502.7	508.7	513.1	521.4	534.1	554.2	578.9	588.6	611.0
30°	472.1	474.3	478.8	481.8	484.0	493.7	503.4	519.1	537.8	551.2	567.7
32.5°	450.4	452.6	457.1	457.9	460.9	466.1	475.0	489.2	505.7	516.9	531.1
35°	426.5	428.0	432.5	434.0	436.2	440.7	447.4	457.9	472.8	481.0	493.7
37.5°	407.8	407.1	410.1	412.3	415.3	417.5	419.8	430.2	441.4	448.9	458.6
40°	387.7	386.2	386.9	389.9	391.4	394.4	394.4	404.8	412.3	418.3	425.8
42.5°	367.5	366.7	365.3	366.7	368.2	369.0	369.7	377.2	384.7	389.9	398.1
45°	347.3	346.6	345.1	345.8	345.8	347.3	349.6	352.6	357.8	362.3	366.7
47.5°	328.7	327.2	324.9	324.2	325.7	325.7	325.7	328.7	333.9	335.4	339.9
50°	309.2	307.0	304.0	302.5	302.5	301.8	303.3	304.0	308.5	310.0	313.7
52.5°	288.3	286.8	283.8	280.8	281.6	280.1	280.8	281.6	283.1	285.3	287.6
55°	267.4	264.4	262.2	261.4	259.2	259.2	256.9	259.9	259.2	259.9	262.9
57.5°	247.2	244.2	240.5	239.0	236.8	236.0	234.5	233.8	234.5	236.8	239.0
60°	223.3	221.8	219.6	217.4	215.9	213.6	212.1	212.1	211.4	211.4	212.1
62.5°	200.2	199.4	196.4	195.7	194.2	192.7	190.5	189.0	189.0	190.5	191.2
65°	177.8	177.0	174.8	174.0	170.3	168.8	168.1	167.3	165.8	165.8	165.8
67.5°	156.9	154.6	154.6	150.9	147.9	146.4	144.9	144.2	144.2	144.2	144.9
70°	133.7	133.7	131.5	129.2	126.2	127.0	124.7	122.5	122.5	121.0	121.8
72.5°	111.3	110.5	108.3	107.6	105.3	103.1	101.6	103.1	100.8	100.1	100.8
75°	89.6	88.9	87.4	85.9	86.6	84.4	82.2	81.4	81.4	79.9	79.9
77.5°	68.7	70.2	67.2	66.5	65.0	63.5	62.7	62.0	62.0	62.0	63.5
80°	47.8	48.6	48.6	47.1	47.8	45.6	45.6	45.6	43.3	44.1	44.8
82.5°	30.6	30.6	29.9	30.6	29.9	29.9	29.1	29.1	28.4	28.4	29.1
85°	17.2	16.4	15.7	17.2	16.4	16.4	15.7	15.7	15.7	15.7	15.7
87.5°	3.7	4.5	4.5	4.5	4.5	5.2	5.2	5.2	6.0	6.0	6.0
90°	25.5	25.8	26.1	26.5	26.8	23.1	19.3	15.6	11.9	10.0	9.0
92.5°	24.4	24.3	24.1	24.0	23.8	23.6	23.4	23.3	23.1	23.0	22.3
95°	49.1	49.1	49.1	49.1	49.1	48.7	48.4	48.0	47.7	47.5	46.7
97.5°	76.7	76.7	76.7	76.7	76.7	76.0	75.3	74.6	73.9	73.6	72.8
100°	105.8	105.8	105.8	105.8	105.8	105.3	104.8	104.3	103.8	103.5	102.8
102.5°	137.9	137.8	137.6	137.5	137.3	136.6	135.9	135.2	134.5	134.2	133.7
105°	170.0	169.7	169.4	169.0	168.7	168.4	168.0	167.7	167.4	167.2	166.9
107.5°	203.9	203.7	203.6	203.4	203.2	203.2	203.2	203.2	203.2	203.2	202.9
110°	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.0

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	272.5	273.0	273.5	274.0	274.5	274.7	274.9	275.0	275.2	275.3	274.8
115°	309.1	309.3	309.4	309.6	309.8	310.1	310.5	310.8	311.1	311.3	310.8
117.5°	343.1	343.6	344.1	344.6	345.1	345.9	346.8	347.6	348.5	348.9	348.2
120°	378.8	378.8	378.8	378.8	378.8	380.2	381.5	382.9	384.2	384.9	384.2
122.5°	413.6	414.1	414.6	415.1	415.6	416.4	417.3	418.1	419.0	419.4	418.6
125°	448.9	449.4	449.9	450.4	450.9	451.4	451.9	452.4	452.9	453.2	452.4
127.5°	482.6	483.3	484.0	484.7	485.4	486.1	486.7	487.4	488.1	488.4	487.5
130°	518.6	518.9	519.2	519.6	519.9	520.2	520.6	520.9	521.2	521.4	520.3
132.5°	551.7	552.6	553.5	554.3	555.2	555.0	554.8	554.7	554.5	554.4	553.5
135°	586.7	586.9	587.0	587.2	587.4	587.0	586.7	586.3	586.0	585.8	584.9
137.5°	618.9	619.1	619.2	619.4	619.6	619.2	618.9	618.5	618.2	618.0	617.2
140°	651.8	651.8	651.8	651.8	651.8	650.9	650.1	649.2	648.3	647.9	647.1
142.5°	681.6	681.4	681.3	681.1	680.9	680.4	679.9	679.4	678.9	678.6	677.8
145°	711.5	711.3	711.2	711.0	710.8	709.8	708.8	707.7	706.7	706.2	705.6
147.5°	738.2	737.9	737.6	737.2	736.9	736.2	735.5	734.8	734.1	733.8	733.0
150°	763.4	762.9	762.4	761.9	761.4	760.7	760.1	759.4	758.7	758.4	757.9
152.5°	788.7	788.0	787.3	786.7	786.0	785.1	784.3	783.4	782.5	782.1	781.6
155°	809.3	808.4	807.6	806.7	805.9	805.4	804.9	804.4	803.9	803.6	803.3
157.5°	829.8	828.6	827.5	826.3	825.1	824.7	824.4	824.0	823.7	823.5	823.3
160°	846.8	845.8	844.7	843.7	842.7	842.5	842.3	842.2	842.0	841.9	841.7
162.5°	862.8	861.6	860.4	859.2	858.0	857.8	857.7	857.5	857.4	857.3	857.3
165°	875.8	874.6	873.5	872.3	871.1	871.1	871.1	871.1	871.1	871.1	871.2
167.5°	887.3	886.1	885.0	883.8	882.6	882.6	882.6	882.6	882.6	882.6	882.9
170°	896.5	895.3	894.2	893.0	891.8	892.0	892.1	892.3	892.4	892.5	892.8
172.5°	903.4	902.2	901.1	899.9	898.7	898.9	899.0	899.2	899.3	899.4	899.7
175°	908.1	906.9	905.7	904.5	903.3	903.6	904.0	904.3	904.6	904.8	905.1
177.5°	910.5	909.4	908.4	907.3	906.3	906.7	907.0	907.4	907.7	907.9	908.2
180°	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7	908.7

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	971.8	971.8	971.8	971.8
2.5°	953.8	953.8	965.0	977.0
5°	932.9	938.1	956.1	972.5
7.5°	912.8	921.7	944.1	965.0
10°	888.1	900.1	927.7	952.3
12.5°	864.2	875.4	907.5	935.2
15°	830.6	844.8	879.1	913.5
17.5°	797.0	811.2	853.0	893.3
20°	757.4	776.1	823.1	876.9
22.5°	720.8	743.9	796.2	839.6
25°	680.5	716.3	764.9	820.9
27.5°	644.6	680.5	729.8	786.5
30°	604.3	640.9	691.7	743.9
32.5°	565.4	599.0	648.3	712.6
35°	525.1	557.2	605.0	670.0
37.5°	488.5	519.9	572.2	631.9
40°	452.6	485.5	530.3	590.1
42.5°	419.0	448.2	488.5	548.2
45°	388.4	409.3	446.7	502.7
47.5°	356.3	375.0	409.3	465.3
50°	326.4	342.1	372.0	424.3
52.5°	297.3	310.7	338.4	380.2
55°	271.1	283.8	304.0	345.1
57.5°	244.2	254.0	273.4	306.2
60°	218.1	227.1	242.8	269.6
62.5°	192.0	199.4	214.4	236.0
65°	168.8	174.8	186.0	204.7
67.5°	146.4	150.1	159.1	174.0
70°	124.7	127.7	135.2	147.1
72.5°	101.6	104.6	112.8	121.0
75°	82.2	82.9	88.9	95.6
77.5°	64.2	63.5	68.0	73.2
80°	44.1	46.3	50.0	52.3
82.5°	29.9	30.6	32.1	33.6
85°	16.4	17.2	17.2	19.4
87.5°	6.7	7.5	7.5	8.2
90°	6.9	4.9	2.8	0.8
92.5°	21.0	19.6	18.3	16.9
95°	45.0	43.3	41.6	39.9
97.5°	71.3	69.8	68.2	66.7
100°	101.5	100.1	98.8	97.4
102.5°	132.7	131.6	130.6	129.6
105°	166.4	165.9	165.4	164.9
107.5°	202.2	201.5	200.8	200.1
110°	237.0	235.9	234.9	233.9

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	273.8	272.7	271.7	270.7
115°	309.8	308.7	307.7	306.7
117.5°	346.9	345.5	344.2	342.8
120°	382.9	381.5	380.2	378.8
122.5°	416.9	415.2	413.5	411.8
125°	450.9	449.4	447.8	446.3
127.5°	485.6	483.7	481.9	480.0
130°	518.1	515.9	513.7	511.5
132.5°	551.8	550.1	548.4	546.7
135°	583.0	581.1	579.3	577.4
137.5°	615.7	614.2	612.6	611.1
140°	645.6	644.1	642.5	641.0
142.5°	676.3	674.8	673.2	671.7
145°	704.4	703.2	702.0	700.8
147.5°	731.5	730.0	728.4	726.9
150°	756.9	755.8	754.8	753.8
152.5°	780.6	779.5	778.5	777.5
155°	802.8	802.3	801.8	801.3
157.5°	823.0	822.7	822.3	822.0
160°	841.4	841.1	840.7	840.4
162.5°	857.3	857.3	857.3	857.3
165°	871.3	871.5	871.6	871.8
167.5°	883.4	883.9	884.4	884.9
170°	893.3	893.8	894.3	894.8
172.5°	900.2	900.7	901.2	901.7
175°	905.6	906.1	906.6	907.1
177.5°	908.7	909.2	909.7	910.2
180°	908.7	908.7	908.7	908.7

TEST NUMBER: P998589

CATALOG NUMBER: SA2XXDIP-B485D725UB35-4F0-XX-W2A-A1

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	14.93	15.73	15.93	16.73	18.07	12.42	13.22	13.42	14.23	15.56
	3H	15.74	16.45	16.75	17.46	18.82	13.77	14.48	14.78	15.49	16.85
	4H	15.90	16.58	16.93	17.60	18.96	14.22	14.90	15.25	15.92	17.28
	6H	15.95	16.57	16.98	17.59	18.96	14.53	15.15	15.56	16.17	17.54
	8H	15.92	16.51	16.96	17.55	18.92	14.61	15.20	15.65	16.24	17.61
	12H	15.88	16.44	16.93	17.48	18.87	14.65	15.21	15.69	16.24	17.63
4H	2H	14.97	15.64	15.99	16.66	18.02	12.86	13.54	13.89	14.55	15.92
	3H	15.94	16.50	16.98	17.55	18.92	14.32	14.88	15.36	15.92	17.30
	4H	16.21	16.73	17.26	17.76	19.16	14.85	15.36	15.89	16.40	17.80
	6H	16.34	16.78	17.39	17.84	19.24	15.23	15.67	16.28	16.73	18.12
	8H	16.34	16.75	17.39	17.80	19.21	15.34	15.75	16.39	16.80	18.21
	12H	16.30	16.67	17.37	17.74	19.15	15.39	15.76	16.46	16.83	18.24
8H	4H	16.22	16.63	17.27	17.68	19.09	14.99	15.40	16.04	16.45	17.86
	6H	16.40	16.73	17.47	17.83	19.23	15.42	15.76	16.50	16.85	18.26
	8H	16.42	16.72	17.51	17.80	19.23	15.57	15.87	16.65	16.95	18.37
	12H	16.41	16.67	17.49	17.74	19.21	15.66	15.92	16.75	17.00	18.46
12H	4H	16.17	16.54	17.24	17.61	19.02	14.96	15.33	16.03	16.40	17.81
	6H	16.37	16.67	17.46	17.75	19.18	15.42	15.72	16.50	16.80	18.22
	8H	16.40	16.66	17.49	17.74	19.20	15.57	15.84	16.66	16.91	18.38