

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P332276

Luminaire Tested: **S123RDIP-S560D585U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332276
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S560D585U835-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4571.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

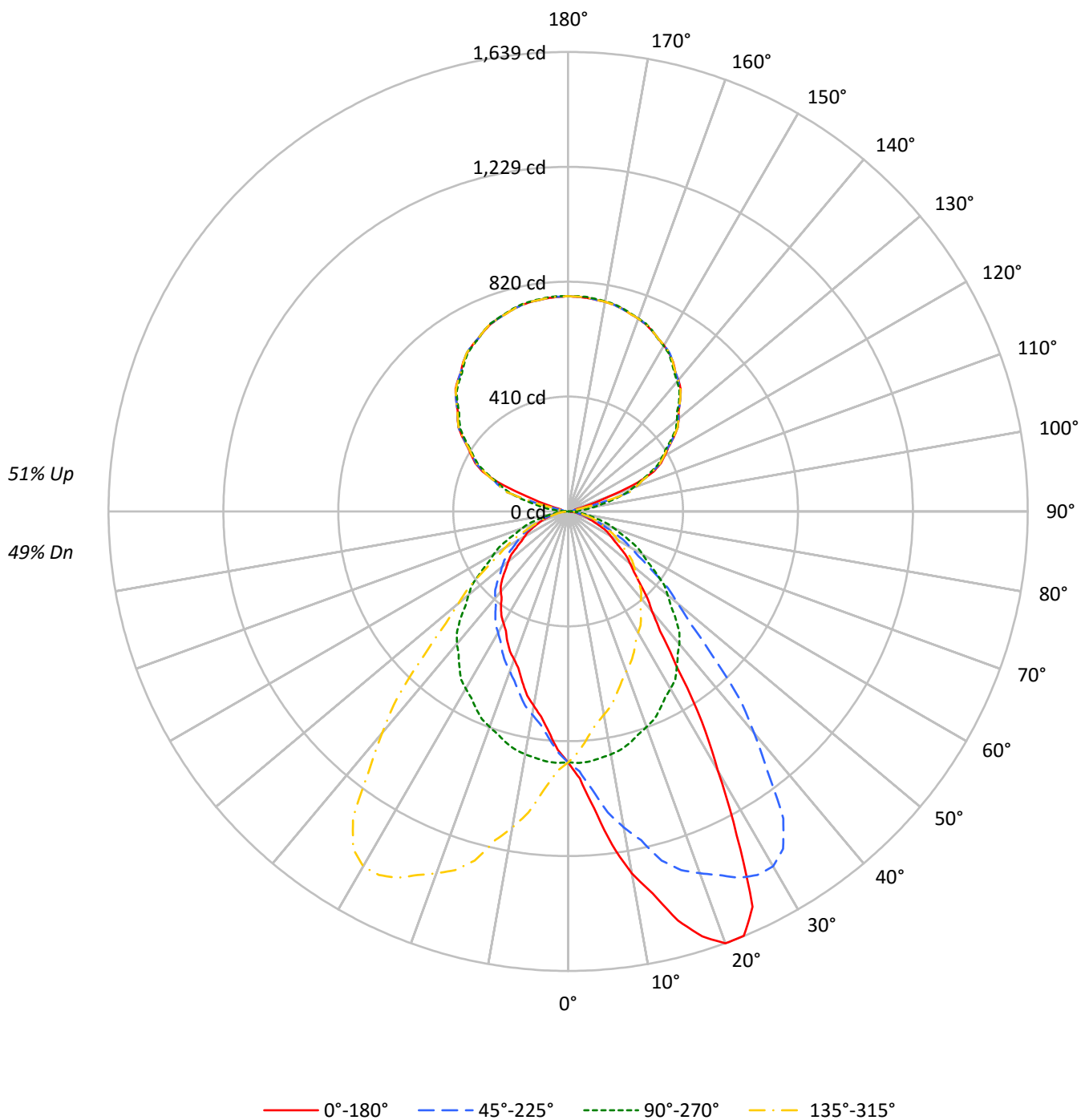
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55
1	98	94	90	87	90	87	84	81	73	71	69	61	59	58	49	48	48
2	90	83	77	72	83	77	71	67	65	61	58	54	52	49	44	42	41
3	82	73	66	61	76	68	62	57	58	53	49	48	45	42	40	37	35
4	75	65	58	52	69	60	54	49	52	47	43	43	40	37	36	33	31
5	69	58	50	45	64	54	47	42	46	41	37	39	35	32	33	30	27
6	64	52	45	39	59	49	42	37	42	37	33	36	32	28	30	27	24
7	59	48	40	34	55	44	37	33	38	33	29	33	28	25	27	24	22
8	55	43	36	31	51	40	34	29	35	30	26	30	26	23	25	22	20
9	51	40	32	27	48	37	30	26	32	27	23	28	23	21	23	20	18
10	48	36	29	25	44	34	28	23	30	25	21	26	21	19	22	19	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9630	9630	9630	9630
5°	11480	9672	8518	9672
10°	14335	9616	7695	9616
15°	16826	9518	7017	9518
20°	18778	9371	6441	9371
25°	18478	9216	6087	9216
30°	13282	9073	5722	9073
35°	8868	8888	5486	8888
40°	6534	8665	5243	8665
45°	5480	8273	5002	8273
50°	4836	7762	4669	7762
55°	4241	7174	4211	7174
60°	3776	6613	3860	6613
65°	3316	6008	3591	6008
70°	2603	5473	3279	5473
75°	2296	4779	2994	4779
80°	1996	4060	2944	4060
85°	1606	3260	3125	3260

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	1.9
10°-20°	274.9	6.0
20°-30°	431.9	9.4
30°-40°	450.6	9.9
40°-50°	385.6	8.4
50°-60°	293.9	6.4
60°-70°	188.4	4.1
70°-80°	90.6	2.0
80°-90°	26.1	0.6
90°-100°	27.9	0.6
100°-110°	133.0	2.9
110°-120°	319.5	7.0
120°-130°	406.9	8.9
130°-140°	434.7	9.5
140°-150°	406.5	8.9
150°-160°	327.9	7.2
160°-170°	211.6	4.6
170°-180°	72.9	1.6
0°-30°	794.7	17.4
0°-40°	1245.3	27.2
0°-60°	1924.8	42.1
0°-90°	2229.9	48.8
90°-120°	480.5	10.5
90°-150°	1728.6	37.8
90°-180°	2341.0	51.2
0°-180°	4571.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	1062	895	788	895	1062	110
15°	1510	854	630	854	1510	428
25°	1556	776	512	776	1556	669
35°	675	676	418	676	675	442
45°	360	544	329	544	360	283
55°	226	382	224	382	226	204
65°	130	236	141	236	130	128
75°	55	115	72	115	55	59
85°	13	26	25	26	13	15
90°	17	1	17	1	17	8
95°	22	35	22	35	22	18
105°	25	170	25	170	25	57
115°	335	319	335	319	335	310
125°	459	449	459	449	459	410
135°	565	560	565	560	565	436
145°	652	646	652	646	652	407
155°	710	711	710	711	710	327
165°	748	750	748	750	748	211
175°	765	768	765	768	765	73
180°	768	768	768	768	768	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7
2.5°	952.9	954.2	950.2	949.6	945.0	943.8	943.8	937.3	933.3	928.1	925.1
5°	1062.5	1068.6	1065.6	1058.7	1047.2	1044.5	1037.2	1025.7	1012.7	996.6	989.0
7.5°	1199.3	1207.7	1204.4	1193.8	1181.8	1172.0	1151.5	1132.4	1105.7	1082.3	1062.2
10°	1311.5	1302.6	1295.8	1285.4	1274.3	1256.3	1234.9	1205.4	1171.3	1144.5	1114.6
12.5°	1395.4	1394.0	1385.2	1374.6	1358.9	1341.8	1315.4	1279.5	1239.9	1201.1	1167.0
15°	1509.9	1512.2	1506.4	1495.3	1473.1	1442.8	1403.0	1388.1	1331.4	1289.2	1247.1
17.5°	1589.1	1588.6	1587.8	1572.4	1549.8	1528.2	1491.3	1452.0	1400.7	1341.3	1284.6
20°	1639.3	1635.5	1636.3	1619.0	1602.2	1577.3	1541.3	1484.2	1442.1	1373.5	1314.9
22.5°	1638.1	1637.3	1640.2	1634.3	1622.1	1603.0	1574.7	1526.5	1472.7	1403.5	1337.6
25°	1555.8	1552.8	1570.8	1575.7	1595.3	1598.7	1590.3	1563.9	1512.9	1441.7	1360.1
27.5°	1302.1	1300.4	1333.8	1375.6	1428.7	1469.9	1509.7	1528.9	1512.9	1461.9	1380.2
30°	1068.6	1104.6	1121.5	1182.0	1249.4	1329.8	1400.3	1467.3	1483.8	1461.6	1394.6
32.5°	887.2	918.6	932.7	984.7	1047.5	1141.7	1247.4	1342.3	1409.4	1426.4	1386.0
35°	674.9	675.3	707.4	730.4	788.6	885.5	988.2	1115.3	1241.7	1337.5	1347.5
37.5°	538.5	540.4	559.9	582.8	626.5	677.7	768.1	873.8	1019.8	1166.8	1253.0
40°	465.0	468.4	483.0	505.6	537.0	575.7	646.2	745.7	867.5	1031.1	1164.8
42.5°	417.8	423.4	430.9	448.3	467.7	504.0	561.0	637.9	748.6	903.3	1057.5
45°	360.0	363.1	368.8	376.9	394.5	419.8	458.1	509.8	601.7	726.2	880.6
47.5°	317.6	316.0	322.0	328.6	340.3	357.5	383.2	425.4	491.0	590.8	721.8
50°	288.8	288.4	292.6	297.6	308.7	321.4	342.4	374.2	426.3	509.0	628.9
52.5°	261.8	263.3	266.3	272.5	280.5	290.7	309.6	332.5	377.3	448.7	548.6
55°	226.0	227.1	231.3	234.8	240.5	250.9	262.8	281.9	312.5	362.3	444.7
57.5°	195.6	195.1	199.2	200.0	206.5	214.9	224.1	239.0	261.2	298.2	353.7
60°	175.4	174.3	177.7	180.4	183.8	190.7	198.4	213.0	230.6	257.8	305.3
62.5°	157.0	156.5	159.0	161.7	164.5	170.8	177.3	188.4	202.4	225.3	263.0
65°	130.2	131.4	132.5	133.7	135.2	139.0	145.2	152.8	162.4	178.5	205.7
67.5°	102.3	103.5	103.9	106.2	109.5	111.9	115.7	122.5	129.2	142.7	158.2
70°	82.7	82.3	82.7	83.9	88.1	92.3	97.3	102.3	106.5	116.1	129.1
72.5°	71.1	70.4	71.4	71.6	73.7	74.8	78.0	82.7	88.1	94.6	104.0
75°	55.2	55.2	55.2	55.2	56.7	57.5	58.6	59.8	61.7	64.7	71.6
77.5°	40.8	40.8	41.4	41.7	42.1	42.5	43.2	44.4	45.0	46.7	49.6
80°	32.2	32.6	32.2	32.6	32.6	33.3	33.7	34.9	35.2	37.2	38.3
82.5°	24.2	24.0	24.2	24.6	24.6	25.4	25.4	26.3	26.4	27.3	28.5
85°	13.0	12.3	13.0	12.6	13.4	12.6	13.0	13.8	13.8	14.2	15.7
87.5°	6.5	7.0	6.4	6.6	6.6	6.8	6.7	6.6	7.1	6.7	6.7
90°	17.1	16.9	16.6	16.4	16.1	15.7	15.2	14.7	14.2	13.7	12.0
92.5°	18.9	18.8	18.6	18.5	18.3	17.8	17.0	16.2	15.4	14.6	13.4
95°	21.7	21.7	21.7	21.7	21.7	21.2	20.3	19.5	18.6	17.7	16.3
97.5°	23.5	23.4	23.2	23.1	23.0	22.4	21.4	20.4	19.4	18.4	27.5
100°	24.0	23.8	23.7	23.6	23.4	22.9	21.9	20.8	19.8	18.8	38.6
102.5°	24.4	24.2	24.0	23.7	23.5	25.0	28.1	31.2	34.4	37.5	59.1
105°	25.1	24.8	24.6	24.3	24.1	35.2	57.6	80.0	102.5	124.9	136.3
107.5°	78.8	95.7	112.6	129.5	146.5	163.1	179.6	196.0	212.5	228.9	227.1
110°	156.8	175.0	193.1	211.2	229.3	240.5	244.7	248.9	253.0	257.2	255.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	269.1	272.9	276.7	280.6	284.4	286.3	286.2	286.1	286.1	286.0	284.6
115°	335.4	334.9	334.4	333.8	333.3	332.5	331.2	329.9	328.7	327.4	326.2
117.5°	372.6	372.5	372.4	372.3	372.2	371.6	370.6	369.6	368.6	367.5	367.0
120°	398.1	398.1	398.1	398.1	398.1	397.6	396.6	395.6	394.6	393.5	393.2
122.5°	423.2	423.1	423.0	422.9	422.8	422.4	421.7	421.0	420.3	419.6	419.1
125°	458.6	458.3	458.1	457.8	457.6	457.3	457.0	456.8	456.5	456.3	455.8
127.5°	492.6	492.8	493.1	493.3	493.6	493.5	493.1	492.7	492.3	491.9	491.3
130°	514.5	514.7	515.0	515.2	515.5	515.3	514.8	514.3	513.8	513.3	512.8
132.5°	534.5	534.9	535.2	535.6	536.0	535.9	535.4	534.9	534.4	533.9	533.4
135°	565.2	565.6	566.0	566.4	566.7	566.7	566.4	566.0	565.6	565.2	564.7
137.5°	594.1	594.3	594.6	594.8	595.1	594.9	594.3	593.7	593.1	592.5	592.2
140°	611.4	611.7	611.9	612.2	612.4	612.3	611.8	611.3	610.8	610.3	609.9
142.5°	627.4	627.7	628.1	628.5	628.8	628.8	628.4	628.0	627.6	627.2	626.8
145°	651.9	651.9	651.9	651.9	651.9	651.8	651.5	651.3	651.0	650.8	650.5
147.5°	670.2	670.8	671.3	671.9	672.5	672.7	672.4	672.2	671.9	671.7	671.4
150°	683.9	684.2	684.6	685.0	685.4	685.4	685.2	684.9	684.7	684.4	684.2
152.5°	694.8	695.4	696.0	696.6	697.1	697.2	696.7	696.3	695.8	695.4	695.2
155°	710.1	710.9	711.6	712.4	713.1	713.2	712.6	711.9	711.3	710.7	710.5
157.5°	723.0	724.0	725.0	725.9	726.9	727.1	726.3	725.5	724.8	724.0	724.1
160°	731.2	732.1	733.0	733.9	734.7	734.8	734.0	733.3	732.5	731.8	731.9
162.5°	739.0	739.7	740.5	741.3	742.1	742.1	741.2	740.3	739.5	738.6	738.7
165°	748.3	749.2	750.1	751.0	751.9	751.8	750.8	749.8	748.8	747.7	747.9
167.5°	755.0	756.1	757.1	758.1	759.1	759.1	758.1	757.1	756.1	755.0	755.0
170°	759.1	760.2	761.2	762.2	763.2	763.2	762.2	761.2	760.2	759.1	759.1
172.5°	761.4	762.5	763.7	764.8	765.9	765.9	764.9	763.9	762.9	761.9	761.8
175°	764.8	765.9	766.9	767.9	768.9	769.0	768.1	767.2	766.3	765.4	765.3
177.5°	765.9	766.9	767.9	768.9	769.9	770.0	769.2	768.4	767.6	766.8	766.7
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7
2.5°	923.8	922.9	918.6	913.7	907.3	903.0	899.6	897.8	892.3	885.5	880.9
5°	980.9	969.4	957.2	942.2	928.4	914.3	905.5	895.1	882.5	868.3	858.3
7.5°	1042.0	1019.5	995.2	970.2	945.4	923.2	903.6	886.8	866.7	846.4	832.1
10°	1088.9	1056.0	1021.9	987.0	955.2	925.4	902.4	879.8	855.7	832.3	814.7
12.5°	1131.5	1088.2	1048.9	1006.0	965.4	929.7	896.6	870.0	841.0	816.1	796.0
15°	1185.4	1141.0	1093.5	1028.4	974.4	929.2	889.0	854.1	818.9	788.3	768.7
17.5°	1235.8	1169.0	1105.2	1050.8	980.7	924.2	875.1	833.4	794.8	762.3	738.2
20°	1256.7	1192.0	1122.6	1053.3	984.4	921.2	864.1	818.1	777.9	741.1	718.9
22.5°	1269.2	1195.9	1122.9	1048.4	975.2	909.5	853.1	802.5	758.9	724.0	696.6
25°	1283.9	1196.5	1116.1	1042.6	967.9	896.6	829.6	776.0	728.9	691.7	662.6
27.5°	1293.5	1190.8	1095.7	1014.0	938.2	867.3	805.9	749.0	701.2	661.9	630.7
30°	1295.4	1186.2	1080.1	991.6	914.6	849.5	784.4	730.0	679.5	637.7	608.6
32.5°	1297.8	1174.9	1059.0	965.0	886.2	821.7	762.7	710.7	658.9	617.8	588.1
35°	1287.7	1168.6	1026.9	918.9	840.0	777.5	724.3	676.4	625.5	585.6	555.4
37.5°	1244.2	1143.7	993.6	866.9	784.4	726.6	683.2	641.5	594.8	551.8	523.3
40°	1200.4	1119.2	967.9	835.4	749.2	689.8	650.7	616.7	571.5	531.2	500.6
42.5°	1135.1	1085.8	943.4	802.3	709.3	652.1	619.2	587.2	547.6	506.7	477.9
45°	1015.4	1021.9	893.2	749.6	654.2	596.7	565.7	543.5	508.3	474.6	445.1
47.5°	865.2	926.1	834.3	693.4	596.1	542.1	515.0	495.6	471.9	438.8	411.9
50°	767.2	854.1	787.1	655.7	559.6	506.0	479.2	463.5	442.8	416.7	391.1
52.5°	676.8	770.2	730.1	613.7	520.1	471.0	444.8	431.9	415.5	391.0	367.8
55°	551.9	646.5	637.3	550.4	460.8	416.7	396.8	382.3	371.1	352.8	334.4
57.5°	446.4	536.1	540.9	479.9	408.5	365.0	347.9	336.9	329.6	315.8	298.8
60°	380.0	462.3	478.4	432.4	371.1	332.8	316.0	307.2	301.4	290.3	277.3
62.5°	324.8	394.9	413.1	380.0	335.3	299.4	286.3	277.8	273.9	264.3	252.8
65°	248.6	306.8	324.4	306.0	282.7	253.9	243.2	235.9	232.5	227.1	218.7
67.5°	186.9	229.4	248.7	235.7	227.3	209.1	202.3	198.4	195.3	191.7	184.6
70°	150.1	181.6	201.5	198.0	191.1	181.6	176.6	173.9	170.8	167.8	161.6
72.5°	120.7	142.3	161.0	162.8	157.1	155.2	150.8	149.7	147.8	144.2	140.8
75°	80.1	95.0	108.0	113.0	115.3	117.2	115.3	114.9	114.5	111.5	109.5
77.5°	52.5	60.5	68.7	77.2	80.8	83.4	84.0	85.4	84.4	82.8	81.9
80°	40.2	42.1	47.9	55.2	60.9	63.2	64.7	65.5	65.1	64.7	63.2
82.5°	29.2	30.8	33.5	38.6	43.4	47.3	48.2	48.0	48.9	49.1	47.9
85°	15.7	16.1	16.9	17.6	20.3	24.5	25.7	26.4	27.2	27.2	24.9
87.5°	7.0	6.3	6.6	6.3	7.0	7.1	8.6	9.9	10.5	9.5	9.8
90°	10.4	8.7	7.1	5.6	4.4	3.1	1.8	0.6	1.8	3.1	4.4
92.5°	12.1	10.9	9.6	9.2	9.5	9.9	10.3	10.6	10.3	9.9	9.5
95°	14.9	13.5	12.1	14.0	19.2	24.4	29.6	34.8	29.6	24.4	19.2
97.5°	36.6	45.7	54.9	60.6	62.9	65.3	67.6	69.9	67.6	65.3	62.9
100°	58.4	78.1	97.9	106.5	104.0	101.5	98.9	96.4	98.9	101.5	104.0
102.5°	80.7	102.3	123.9	133.8	132.0	130.2	128.3	126.5	128.3	130.2	132.0
105°	147.7	159.1	170.5	175.5	174.1	172.8	171.4	170.0	171.4	172.8	174.1
107.5°	225.3	223.5	221.7	220.3	219.2	218.1	216.9	215.8	216.9	218.1	219.2
110°	254.4	253.0	251.7	250.4	249.4	248.4	247.4	246.4	247.4	248.4	249.4

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	283.2	281.8	280.4	279.2	278.3	277.4	276.5	275.6	276.5	277.4	278.3
115°	325.1	324.0	322.8	321.9	321.1	320.3	319.6	318.8	319.6	320.3	321.1
117.5°	366.4	365.8	365.2	364.4	363.5	362.6	361.6	360.7	361.6	362.6	363.5
120°	392.8	392.4	392.0	391.3	390.1	389.0	387.8	386.7	387.8	389.0	390.1
122.5°	418.6	418.1	417.6	416.9	416.0	415.0	414.1	413.2	414.1	415.0	416.0
125°	455.3	454.8	454.3	453.5	452.5	451.5	450.5	449.4	450.5	451.5	452.5
127.5°	490.7	490.0	489.4	488.6	487.6	486.6	485.6	484.6	485.6	486.6	487.6
130°	512.3	511.8	511.3	510.5	509.5	508.5	507.5	506.5	507.5	508.5	509.5
132.5°	533.0	532.6	532.2	531.5	530.5	529.5	528.5	527.5	528.5	529.5	530.5
135°	564.2	563.7	563.2	562.6	561.8	561.0	560.3	559.5	560.3	561.0	561.8
137.5°	591.9	591.6	591.4	590.7	589.8	588.8	587.9	586.9	587.9	588.8	589.8
140°	609.5	609.1	608.8	608.2	607.4	606.7	605.9	605.1	605.9	606.7	607.4
142.5°	626.4	626.0	625.6	625.1	624.3	623.6	622.8	622.0	622.8	623.6	624.3
145°	650.3	650.0	649.8	649.2	648.3	647.4	646.5	645.6	646.5	647.4	648.3
147.5°	671.1	670.9	670.6	670.2	669.6	669.1	668.5	667.9	668.5	669.1	669.6
150°	683.9	683.7	683.4	683.1	682.7	682.3	682.0	681.6	682.0	682.3	682.7
152.5°	695.1	694.9	694.8	694.6	694.4	694.2	694.1	693.9	694.1	694.2	694.4
155°	710.4	710.3	710.2	710.2	710.5	710.7	711.0	711.2	711.0	710.7	710.5
157.5°	724.3	724.4	724.5	724.6	724.6	724.6	724.7	724.7	724.7	724.6	724.6
160°	732.0	732.1	732.3	732.4	732.5	732.7	732.8	732.9	732.8	732.7	732.5
162.5°	738.9	739.0	739.1	739.3	739.7	740.0	740.3	740.7	740.3	740.0	739.7
165°	748.0	748.1	748.2	748.5	748.9	749.3	749.6	750.0	749.6	749.3	748.9
167.5°	755.0	755.0	755.0	755.3	755.8	756.3	756.8	757.3	756.8	756.3	755.8
170°	759.1	759.1	759.1	759.4	759.9	760.4	760.9	761.4	760.9	760.4	759.9
172.5°	761.7	761.6	761.5	761.7	762.3	762.9	763.6	764.2	763.6	762.9	762.3
175°	765.2	765.0	764.9	765.2	765.8	766.4	767.1	767.7	767.1	766.4	765.8
177.5°	766.6	766.5	766.4	766.6	767.1	767.6	768.1	768.6	768.1	767.6	767.1
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7
2.5°	879.4	875.4	872.7	866.5	862.6	858.3	854.0	856.7	856.4	856.1	856.1
5°	849.9	841.1	833.1	822.7	816.2	808.2	802.0	801.3	802.8	797.4	794.4
7.5°	820.7	808.6	797.2	785.8	773.7	764.0	758.0	755.2	751.3	748.0	744.5
10°	800.1	786.0	774.8	760.7	747.7	736.2	728.9	723.9	721.2	718.5	713.6
12.5°	779.0	765.1	750.9	734.9	722.5	709.2	703.8	698.2	693.0	690.0	683.2
15°	748.0	730.0	715.1	698.2	684.5	671.4	663.8	652.7	651.1	647.3	640.4
17.5°	717.0	697.5	676.9	664.4	648.8	635.3	623.6	619.9	608.9	604.8	598.8
20°	692.5	674.5	658.8	642.3	619.7	607.1	597.9	592.9	584.1	578.7	574.9
22.5°	671.4	653.0	634.9	615.7	597.0	582.9	576.1	568.4	563.6	556.1	551.9
25°	641.2	621.3	599.4	578.7	565.3	554.6	543.9	537.0	530.1	526.6	519.0
27.5°	606.1	585.3	564.9	549.2	532.7	522.1	512.4	506.3	498.0	492.2	488.0
30°	586.8	562.3	544.7	530.5	509.4	499.5	492.2	484.5	478.4	472.3	468.0
32.5°	564.4	542.0	525.3	507.8	491.6	480.8	471.3	464.6	459.4	453.6	449.4
35°	529.3	510.6	493.3	475.7	463.8	452.7	441.6	435.9	430.9	425.5	421.7
37.5°	497.6	480.1	463.7	447.0	432.3	423.2	414.3	409.9	403.2	399.6	395.7
40°	478.0	460.8	443.2	427.1	411.7	404.9	396.8	390.3	384.2	381.5	377.3
42.5°	456.6	439.3	424.5	407.1	394.6	385.2	377.8	370.7	366.1	362.2	359.8
45°	424.8	409.4	394.9	377.7	365.8	357.7	349.3	342.8	338.6	335.9	331.7
47.5°	393.9	378.6	363.8	348.8	337.3	328.1	319.7	315.1	309.6	306.3	303.4
50°	371.5	357.7	342.0	328.2	316.8	307.6	300.7	294.9	289.9	285.7	283.8
52.5°	351.0	336.3	322.7	309.9	297.8	287.3	281.1	275.0	271.3	266.4	264.2
55°	317.1	303.0	291.5	278.8	267.0	258.2	250.5	245.1	241.3	235.9	232.9
57.5°	285.3	272.6	258.9	248.0	235.7	228.3	221.9	214.6	210.0	205.8	202.8
60°	263.9	249.3	237.5	227.1	216.4	206.8	201.1	195.3	190.4	186.1	183.5
62.5°	241.5	228.8	217.6	206.3	196.5	188.1	181.5	176.6	172.3	169.6	166.9
65°	207.2	197.3	185.8	176.6	167.4	161.3	155.9	151.7	148.6	146.7	144.4
67.5°	175.7	166.0	156.0	146.9	140.8	136.1	132.6	129.0	127.5	125.0	123.5
70°	155.1	145.2	136.4	129.5	123.3	119.9	117.6	114.9	113.4	110.3	108.8
72.5°	132.8	125.6	119.2	113.5	108.6	105.5	102.6	99.3	96.8	93.5	91.9
75°	104.6	98.1	93.1	89.2	86.2	82.0	77.8	74.3	73.2	72.0	71.6
77.5°	77.4	73.3	69.7	66.5	62.7	59.6	58.7	57.9	57.7	57.1	57.1
80°	60.9	57.1	54.4	50.6	48.3	48.3	48.3	47.5	47.9	47.9	47.9
82.5°	45.3	41.7	40.3	38.9	38.5	38.8	38.8	38.9	38.7	39.3	39.0
85°	23.4	23.7	24.5	24.1	24.5	24.5	25.3	24.9	25.3	24.5	25.3
87.5°	9.7	10.9	11.6	12.2	12.8	12.8	13.3	13.4	13.8	13.9	13.9
90°	5.6	7.1	8.7	10.4	12.0	13.7	14.2	14.7	15.2	15.7	16.1
92.5°	9.2	9.6	10.9	12.1	13.4	14.6	15.4	16.2	17.0	17.8	18.3
95°	14.0	12.1	13.5	14.9	16.3	17.7	18.6	19.5	20.3	21.2	21.7
97.5°	60.6	54.9	45.7	36.6	27.5	18.4	19.4	20.4	21.4	22.4	23.0
100°	106.5	97.9	78.1	58.4	38.6	18.8	19.8	20.8	21.9	22.9	23.4
102.5°	133.8	123.9	102.3	80.7	59.1	37.5	34.4	31.2	28.1	25.0	23.5
105°	175.5	170.5	159.1	147.7	136.3	124.9	102.5	80.0	57.6	35.2	24.1
107.5°	220.3	221.7	223.5	225.3	227.1	228.9	212.5	196.0	179.6	163.1	146.5
110°	250.4	251.7	253.0	254.4	255.8	257.2	253.0	248.9	244.7	240.5	229.3

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	279.2	280.4	281.8	283.2	284.6	286.0	286.1	286.1	286.2	286.3	284.4
115°	321.9	322.8	324.0	325.1	326.2	327.4	328.7	329.9	331.2	332.5	333.3
117.5°	364.4	365.2	365.8	366.4	367.0	367.5	368.6	369.6	370.6	371.6	372.2
120°	391.3	392.0	392.4	392.8	393.2	393.5	394.6	395.6	396.6	397.6	398.1
122.5°	416.9	417.6	418.1	418.6	419.1	419.6	420.3	421.0	421.7	422.4	422.8
125°	453.5	454.3	454.8	455.3	455.8	456.3	456.5	456.8	457.0	457.3	457.6
127.5°	488.6	489.4	490.0	490.7	491.3	491.9	492.3	492.7	493.1	493.5	493.6
130°	510.5	511.3	511.8	512.3	512.8	513.3	513.8	514.3	514.8	515.3	515.5
132.5°	531.5	532.2	532.6	533.0	533.4	533.9	534.4	534.9	535.4	535.9	536.0
135°	562.6	563.2	563.7	564.2	564.7	565.2	565.6	566.0	566.4	566.7	566.7
137.5°	590.7	591.4	591.6	591.9	592.2	592.5	593.1	593.7	594.3	594.9	595.1
140°	608.2	608.8	609.1	609.5	609.9	610.3	610.8	611.3	611.8	612.3	612.4
142.5°	625.1	625.6	626.0	626.4	626.8	627.2	627.6	628.0	628.4	628.8	628.8
145°	649.2	649.8	650.0	650.3	650.5	650.8	651.0	651.3	651.5	651.8	651.9
147.5°	670.2	670.6	670.9	671.1	671.4	671.7	671.9	672.2	672.4	672.7	672.5
150°	683.1	683.4	683.7	683.9	684.2	684.4	684.7	684.9	685.2	685.4	685.4
152.5°	694.6	694.8	694.9	695.1	695.2	695.4	695.8	696.3	696.7	697.2	697.1
155°	710.2	710.2	710.3	710.4	710.5	710.7	711.3	711.9	712.6	713.2	713.1
157.5°	724.6	724.5	724.4	724.3	724.1	724.0	724.8	725.5	726.3	727.1	726.9
160°	732.4	732.3	732.1	732.0	731.9	731.8	732.5	733.3	734.0	734.8	734.7
162.5°	739.3	739.1	739.0	738.9	738.7	738.6	739.5	740.3	741.2	742.1	742.1
165°	748.5	748.2	748.1	748.0	747.9	747.7	748.8	749.8	750.8	751.8	751.9
167.5°	755.3	755.0	755.0	755.0	755.0	755.0	756.1	757.1	758.1	759.1	759.1
170°	759.4	759.1	759.1	759.1	759.1	759.1	760.2	761.2	762.2	763.2	763.2
172.5°	761.7	761.5	761.6	761.7	761.8	761.9	762.9	763.9	764.9	765.9	765.9
175°	765.2	764.9	765.0	765.2	765.3	765.4	766.3	767.2	768.1	769.0	768.9
177.5°	766.6	766.4	766.5	766.6	766.7	766.8	767.6	768.4	769.2	770.0	769.9
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7
2.5°	852.4	852.1	852.4	851.2	852.4	852.1	852.4	856.1	856.1	856.4	856.7
5°	793.2	792.8	791.7	788.3	791.7	792.8	793.2	794.4	797.4	802.8	801.3
7.5°	741.5	741.0	737.6	737.7	737.6	741.0	741.5	744.5	748.0	751.3	755.2
10°	710.9	711.3	706.7	704.0	706.7	711.3	710.9	713.6	718.5	721.2	723.9
12.5°	681.2	679.4	675.7	672.7	675.7	679.4	681.2	683.2	690.0	693.0	698.2
15°	641.9	638.1	628.9	629.7	628.9	638.1	641.9	640.4	647.3	651.1	652.7
17.5°	595.7	592.9	592.8	587.4	592.8	592.9	595.7	598.8	604.8	608.9	619.9
20°	568.8	566.9	567.6	562.3	567.6	566.9	568.8	574.9	578.7	584.1	592.9
22.5°	547.6	545.7	542.5	540.8	542.5	545.7	547.6	551.9	556.1	563.6	568.4
25°	516.7	513.6	510.6	512.5	510.6	513.6	516.7	519.0	526.6	530.1	537.0
27.5°	485.7	483.4	480.4	480.0	480.4	483.4	485.7	488.0	492.2	498.0	506.3
30°	466.1	463.8	462.3	460.4	462.3	463.8	466.1	468.0	472.3	478.4	484.5
32.5°	446.2	445.8	443.0	442.6	443.0	445.8	446.2	449.4	453.6	459.4	464.6
35°	420.2	417.9	417.1	417.5	417.1	417.9	420.2	421.7	425.5	430.9	435.9
37.5°	395.4	392.4	391.0	389.6	391.0	392.4	395.4	395.7	399.6	403.2	409.9
40°	377.7	374.6	373.8	373.1	373.8	374.6	377.7	377.3	381.5	384.2	390.3
42.5°	357.7	356.5	356.1	354.7	356.1	356.5	357.7	359.8	362.2	366.1	370.7
45°	330.5	330.2	327.9	328.6	327.9	330.2	330.5	331.7	335.9	338.6	342.8
47.5°	301.9	300.2	298.6	299.7	298.6	300.2	301.9	303.4	306.3	309.6	315.1
50°	282.3	281.5	278.1	278.8	278.1	281.5	282.3	283.8	285.7	289.9	294.9
52.5°	262.7	259.8	258.5	258.0	258.5	259.8	262.7	264.2	266.4	271.3	275.0
55°	230.2	226.7	225.2	224.4	225.2	226.7	230.2	232.9	235.9	241.3	245.1
57.5°	198.3	197.4	196.2	197.0	196.2	197.4	198.3	202.8	205.8	210.0	214.6
60°	179.6	179.6	179.6	179.3	179.6	179.6	179.6	183.5	186.1	190.4	195.3
62.5°	165.2	164.3	164.0	164.5	164.0	164.3	165.2	166.9	169.6	172.3	176.6
65°	143.2	142.9	141.3	141.0	141.3	142.9	143.2	144.4	146.7	148.6	151.7
67.5°	122.5	121.1	120.7	120.1	120.7	121.1	122.5	123.5	125.0	127.5	129.0
70°	106.9	106.1	103.8	104.2	103.8	106.1	106.9	108.8	110.3	113.4	114.9
72.5°	90.0	89.2	88.8	88.2	88.8	89.2	90.0	91.9	93.5	96.8	99.3
75°	71.2	70.9	70.5	72.0	70.5	70.9	71.2	71.6	72.0	73.2	74.3
77.5°	57.1	57.1	57.3	56.7	57.3	57.1	57.1	57.1	57.1	57.7	57.9
80°	47.9	47.9	47.5	47.5	47.5	47.9	47.9	47.9	47.9	47.9	47.5
82.5°	38.4	38.7	38.9	38.3	38.9	38.7	38.4	39.0	39.3	38.7	38.9
85°	25.3	24.9	25.7	25.3	25.7	24.9	25.3	25.3	24.5	25.3	24.9
87.5°	14.6	14.0	14.1	14.5	14.1	14.0	14.6	13.9	13.9	13.8	13.4
90°	16.4	16.6	16.9	17.1	16.9	16.6	16.4	16.1	15.7	15.2	14.7
92.5°	18.5	18.6	18.8	18.9	18.8	18.6	18.5	18.3	17.8	17.0	16.2
95°	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.2	20.3	19.5
97.5°	23.1	23.2	23.4	23.5	23.4	23.2	23.1	23.0	22.4	21.4	20.4
100°	23.6	23.7	23.8	24.0	23.8	23.7	23.6	23.4	22.9	21.9	20.8
102.5°	23.7	24.0	24.2	24.4	24.2	24.0	23.7	23.5	25.0	28.1	31.2
105°	24.3	24.6	24.8	25.1	24.8	24.6	24.3	24.1	35.2	57.6	80.0
107.5°	129.5	112.6	95.7	78.8	95.7	112.6	129.5	146.5	163.1	179.6	196.0
110°	211.2	193.1	175.0	156.8	175.0	193.1	211.2	229.3	240.5	244.7	248.9

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	280.6	276.7	272.9	269.1	272.9	276.7	280.6	284.4	286.3	286.2	286.1
115°	333.8	334.4	334.9	335.4	334.9	334.4	333.8	333.3	332.5	331.2	329.9
117.5°	372.3	372.4	372.5	372.6	372.5	372.4	372.3	372.2	371.6	370.6	369.6
120°	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	397.6	396.6	395.6
122.5°	422.9	423.0	423.1	423.2	423.1	423.0	422.9	422.8	422.4	421.7	421.0
125°	457.8	458.1	458.3	458.6	458.3	458.1	457.8	457.6	457.3	457.0	456.8
127.5°	493.3	493.1	492.8	492.6	492.8	493.1	493.3	493.6	493.5	493.1	492.7
130°	515.2	515.0	514.7	514.5	514.7	515.0	515.2	515.5	515.3	514.8	514.3
132.5°	535.6	535.2	534.9	534.5	534.9	535.2	535.6	536.0	535.9	535.4	534.9
135°	566.4	566.0	565.6	565.2	565.6	566.0	566.4	566.7	566.7	566.4	566.0
137.5°	594.8	594.6	594.3	594.1	594.3	594.6	594.8	595.1	594.9	594.3	593.7
140°	612.2	611.9	611.7	611.4	611.7	611.9	612.2	612.4	612.3	611.8	611.3
142.5°	628.5	628.1	627.7	627.4	627.7	628.1	628.5	628.8	628.8	628.4	628.0
145°	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.8	651.5	651.3
147.5°	671.9	671.3	670.8	670.2	670.8	671.3	671.9	672.5	672.7	672.4	672.2
150°	685.0	684.6	684.2	683.9	684.2	684.6	685.0	685.4	685.4	685.2	684.9
152.5°	696.6	696.0	695.4	694.8	695.4	696.0	696.6	697.1	697.2	696.7	696.3
155°	712.4	711.6	710.9	710.1	710.9	711.6	712.4	713.1	713.2	712.6	711.9
157.5°	725.9	725.0	724.0	723.0	724.0	725.0	725.9	726.9	727.1	726.3	725.5
160°	733.9	733.0	732.1	731.2	732.1	733.0	733.9	734.7	734.8	734.0	733.3
162.5°	741.3	740.5	739.7	739.0	739.7	740.5	741.3	742.1	742.1	741.2	740.3
165°	751.0	750.1	749.2	748.3	749.2	750.1	751.0	751.9	751.8	750.8	749.8
167.5°	758.1	757.1	756.1	755.0	756.1	757.1	758.1	759.1	759.1	758.1	757.1
170°	762.2	761.2	760.2	759.1	760.2	761.2	762.2	763.2	763.2	762.2	761.2
172.5°	764.8	763.7	762.5	761.4	762.5	763.7	764.8	765.9	765.9	764.9	763.9
175°	767.9	766.9	765.9	764.8	765.9	766.9	767.9	768.9	769.0	768.1	767.2
177.5°	768.9	767.9	766.9	765.9	766.9	767.9	768.9	769.9	770.0	769.2	768.4
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7
2.5°	854.0	858.3	862.6	866.5	872.7	875.4	879.4	880.9	885.5	892.3	897.8
5°	802.0	808.2	816.2	822.7	833.1	841.1	849.9	858.3	868.3	882.5	895.1
7.5°	758.0	764.0	773.7	785.8	797.2	808.6	820.7	832.1	846.4	866.7	886.8
10°	728.9	736.2	747.7	760.7	774.8	786.0	800.1	814.7	832.3	855.7	879.8
12.5°	703.8	709.2	722.5	734.9	750.9	765.1	779.0	796.0	816.1	841.0	870.0
15°	663.8	671.4	684.5	698.2	715.1	730.0	748.0	768.7	788.3	818.9	854.1
17.5°	623.6	635.3	648.8	664.4	676.9	697.5	717.0	738.2	762.3	794.8	833.4
20°	597.9	607.1	619.7	642.3	658.8	674.5	692.5	718.9	741.1	777.9	818.1
22.5°	576.1	582.9	597.0	615.7	634.9	653.0	671.4	696.6	724.0	758.9	802.5
25°	543.9	554.6	565.3	578.7	599.4	621.3	641.2	662.6	691.7	728.9	776.0
27.5°	512.4	522.1	532.7	549.2	564.9	585.3	606.1	630.7	661.9	701.2	749.0
30°	492.2	499.5	509.4	530.5	544.7	562.3	586.8	608.6	637.7	679.5	730.0
32.5°	471.3	480.8	491.6	507.8	525.3	542.0	564.4	588.1	617.8	658.9	710.7
35°	441.6	452.7	463.8	475.7	493.3	510.6	529.3	555.4	585.6	625.5	676.4
37.5°	414.3	423.2	432.3	447.0	463.7	480.1	497.6	523.3	551.8	594.8	641.5
40°	396.8	404.9	411.7	427.1	443.2	460.8	478.0	500.6	531.2	571.5	616.7
42.5°	377.8	385.2	394.6	407.1	424.5	439.3	456.6	477.9	506.7	547.6	587.2
45°	349.3	357.7	365.8	377.7	394.9	409.4	424.8	445.1	474.6	508.3	543.5
47.5°	319.7	328.1	337.3	348.8	363.8	378.6	393.9	411.9	438.8	471.9	495.6
50°	300.7	307.6	316.8	328.2	342.0	357.7	371.5	391.1	416.7	442.8	463.5
52.5°	281.1	287.3	297.8	309.9	322.7	336.3	351.0	367.8	391.0	415.5	431.9
55°	250.5	258.2	267.0	278.8	291.5	303.0	317.1	334.4	352.8	371.1	382.3
57.5°	221.9	228.3	235.7	248.0	258.9	272.6	285.3	298.8	315.8	329.6	336.9
60°	201.1	206.8	216.4	227.1	237.5	249.3	263.9	277.3	290.3	301.4	307.2
62.5°	181.5	188.1	196.5	206.3	217.6	228.8	241.5	252.8	264.3	273.9	277.8
65°	155.9	161.3	167.4	176.6	185.8	197.3	207.2	218.7	227.1	232.5	235.9
67.5°	132.6	136.1	140.8	146.9	156.0	166.0	175.7	184.6	191.7	195.3	198.4
70°	117.6	119.9	123.3	129.5	136.4	145.2	155.1	161.6	167.8	170.8	173.9
72.5°	102.6	105.5	108.6	113.5	119.2	125.6	132.8	140.8	144.2	147.8	149.7
75°	77.8	82.0	86.2	89.2	93.1	98.1	104.6	109.5	111.5	114.5	114.9
77.5°	58.7	59.6	62.7	66.5	69.7	73.3	77.4	81.9	82.8	84.4	85.4
80°	48.3	48.3	48.3	50.6	54.4	57.1	60.9	63.2	64.7	65.1	65.5
82.5°	38.8	38.8	38.5	38.9	40.3	41.7	45.3	47.9	49.1	48.9	48.0
85°	25.3	24.5	24.5	24.1	24.5	23.7	23.4	24.9	27.2	27.2	26.4
87.5°	13.3	12.8	12.8	12.2	11.6	10.9	9.7	9.8	9.5	10.5	9.9
90°	14.2	13.7	12.0	10.4	8.7	7.1	5.6	4.4	3.1	1.8	0.6
92.5°	15.4	14.6	13.4	12.1	10.9	9.6	9.2	9.5	9.9	10.3	10.6
95°	18.6	17.7	16.3	14.9	13.5	12.1	14.0	19.2	24.4	29.6	34.8
97.5°	19.4	18.4	27.5	36.6	45.7	54.9	60.6	62.9	65.3	67.6	69.9
100°	19.8	18.8	38.6	58.4	78.1	97.9	106.5	104.0	101.5	98.9	96.4
102.5°	34.4	37.5	59.1	80.7	102.3	123.9	133.8	132.0	130.2	128.3	126.5
105°	102.5	124.9	136.3	147.7	159.1	170.5	175.5	174.1	172.8	171.4	170.0
107.5°	212.5	228.9	227.1	225.3	223.5	221.7	220.3	219.2	218.1	216.9	215.8
110°	253.0	257.2	255.8	254.4	253.0	251.7	250.4	249.4	248.4	247.4	246.4

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	286.1	286.0	284.6	283.2	281.8	280.4	279.2	278.3	277.4	276.5	275.6
115°	328.7	327.4	326.2	325.1	324.0	322.8	321.9	321.1	320.3	319.6	318.8
117.5°	368.6	367.5	367.0	366.4	365.8	365.2	364.4	363.5	362.6	361.6	360.7
120°	394.6	393.5	393.2	392.8	392.4	392.0	391.3	390.1	389.0	387.8	386.7
122.5°	420.3	419.6	419.1	418.6	418.1	417.6	416.9	416.0	415.0	414.1	413.2
125°	456.5	456.3	455.8	455.3	454.8	454.3	453.5	452.5	451.5	450.5	449.4
127.5°	492.3	491.9	491.3	490.7	490.0	489.4	488.6	487.6	486.6	485.6	484.6
130°	513.8	513.3	512.8	512.3	511.8	511.3	510.5	509.5	508.5	507.5	506.5
132.5°	534.4	533.9	533.4	533.0	532.6	532.2	531.5	530.5	529.5	528.5	527.5
135°	565.6	565.2	564.7	564.2	563.7	563.2	562.6	561.8	561.0	560.3	559.5
137.5°	593.1	592.5	592.2	591.9	591.6	591.4	590.7	589.8	588.8	587.9	586.9
140°	610.8	610.3	609.9	609.5	609.1	608.8	608.2	607.4	606.7	605.9	605.1
142.5°	627.6	627.2	626.8	626.4	626.0	625.6	625.1	624.3	623.6	622.8	622.0
145°	651.0	650.8	650.5	650.3	650.0	649.8	649.2	648.3	647.4	646.5	645.6
147.5°	671.9	671.7	671.4	671.1	670.9	670.6	670.2	669.6	669.1	668.5	667.9
150°	684.7	684.4	684.2	683.9	683.7	683.4	683.1	682.7	682.3	682.0	681.6
152.5°	695.8	695.4	695.2	695.1	694.9	694.8	694.6	694.4	694.2	694.1	693.9
155°	711.3	710.7	710.5	710.4	710.3	710.2	710.2	710.5	710.7	711.0	711.2
157.5°	724.8	724.0	724.1	724.3	724.4	724.5	724.6	724.6	724.6	724.7	724.7
160°	732.5	731.8	731.9	732.0	732.1	732.3	732.4	732.5	732.7	732.8	732.9
162.5°	739.5	738.6	738.7	738.9	739.0	739.1	739.3	739.7	740.0	740.3	740.7
165°	748.8	747.7	747.9	748.0	748.1	748.2	748.5	748.9	749.3	749.6	750.0
167.5°	756.1	755.0	755.0	755.0	755.0	755.0	755.3	755.8	756.3	756.8	757.3
170°	760.2	759.1	759.1	759.1	759.1	759.1	759.4	759.9	760.4	760.9	761.4
172.5°	762.9	761.9	761.8	761.7	761.6	761.5	761.7	762.3	762.9	763.6	764.2
175°	766.3	765.4	765.3	765.2	765.0	764.9	765.2	765.8	766.4	767.1	767.7
177.5°	767.6	766.8	766.7	766.6	766.5	766.4	766.6	767.1	767.6	768.1	768.6
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7	894.7
2.5°	899.6	903.0	907.3	913.7	918.6	922.9	923.8	925.1	928.1	933.3	937.3
5°	905.5	914.3	928.4	942.2	957.2	969.4	980.9	989.0	996.6	1012.7	1025.7
7.5°	903.6	923.2	945.4	970.2	995.2	1019.5	1042.0	1062.2	1082.3	1105.7	1132.4
10°	902.4	925.4	955.2	987.0	1021.9	1056.0	1088.9	1114.6	1144.5	1171.3	1205.4
12.5°	896.6	929.7	965.4	1006.0	1048.9	1088.2	1131.5	1167.0	1201.1	1239.9	1279.5
15°	889.0	929.2	974.4	1028.4	1093.5	1141.0	1185.4	1247.1	1289.2	1331.4	1388.1
17.5°	875.1	924.2	980.7	1050.8	1105.2	1169.0	1235.8	1284.6	1341.3	1400.7	1452.0
20°	864.1	921.2	984.4	1053.3	1122.6	1192.0	1256.7	1314.9	1373.5	1442.1	1484.2
22.5°	853.1	909.5	975.2	1048.4	1122.9	1195.9	1269.2	1337.6	1403.5	1472.7	1526.5
25°	829.6	896.6	967.9	1042.6	1116.1	1196.5	1283.9	1360.1	1441.7	1512.9	1563.9
27.5°	805.9	867.3	938.2	1014.0	1095.7	1190.8	1293.5	1380.2	1461.9	1512.9	1528.9
30°	784.4	849.5	914.6	991.6	1080.1	1186.2	1295.4	1394.6	1461.6	1483.8	1467.3
32.5°	762.7	821.7	886.2	965.0	1059.0	1174.9	1297.8	1386.0	1426.4	1409.4	1342.3
35°	724.3	777.5	840.0	918.9	1026.9	1168.6	1287.7	1347.5	1337.5	1241.7	1115.3
37.5°	683.2	726.6	784.4	866.9	993.6	1143.7	1244.2	1253.0	1166.8	1019.8	873.8
40°	650.7	689.8	749.2	835.4	967.9	1119.2	1200.4	1164.8	1031.1	867.5	745.7
42.5°	619.2	652.1	709.3	802.3	943.4	1085.8	1135.1	1057.5	903.3	748.6	637.9
45°	565.7	596.7	654.2	749.6	893.2	1021.9	1015.4	880.6	726.2	601.7	509.8
47.5°	515.0	542.1	596.1	693.4	834.3	926.1	865.2	721.8	590.8	491.0	425.4
50°	479.2	506.0	559.6	655.7	787.1	854.1	767.2	628.9	509.0	426.3	374.2
52.5°	444.8	471.0	520.1	613.7	730.1	770.2	676.8	548.6	448.7	377.3	332.5
55°	396.8	416.7	460.8	550.4	637.3	646.5	551.9	444.7	362.3	312.5	281.9
57.5°	347.9	365.0	408.5	479.9	540.9	536.1	446.4	353.7	298.2	261.2	239.0
60°	316.0	332.8	371.1	432.4	478.4	462.3	380.0	305.3	257.8	230.6	213.0
62.5°	286.3	299.4	335.3	380.0	413.1	394.9	324.8	263.0	225.3	202.4	188.4
65°	243.2	253.9	282.7	306.0	324.4	306.8	248.6	205.7	178.5	162.4	152.8
67.5°	202.3	209.1	227.3	235.7	248.7	229.4	186.9	158.2	142.7	129.2	122.5
70°	176.6	181.6	191.1	198.0	201.5	181.6	150.1	129.1	116.1	106.5	102.3
72.5°	150.8	155.2	157.1	162.8	161.0	142.3	120.7	104.0	94.6	88.1	82.7
75°	115.3	117.2	115.3	113.0	108.0	95.0	80.1	71.6	64.7	61.7	59.8
77.5°	84.0	83.4	80.8	77.2	68.7	60.5	52.5	49.6	46.7	45.0	44.4
80°	64.7	63.2	60.9	55.2	47.9	42.1	40.2	38.3	37.2	35.2	34.9
82.5°	48.2	47.3	43.4	38.6	33.5	30.8	29.2	28.5	27.3	26.4	26.3
85°	25.7	24.5	20.3	17.6	16.9	16.1	15.7	15.7	14.2	13.8	13.8
87.5°	8.6	7.1	7.0	6.3	6.6	6.3	7.0	6.7	6.7	7.1	6.6
90°	1.8	3.1	4.4	5.6	7.1	8.7	10.4	12.0	13.7	14.2	14.7
92.5°	10.3	9.9	9.5	9.2	9.6	10.9	12.1	13.4	14.6	15.4	16.2
95°	29.6	24.4	19.2	14.0	12.1	13.5	14.9	16.3	17.7	18.6	19.5
97.5°	67.6	65.3	62.9	60.6	54.9	45.7	36.6	27.5	18.4	19.4	20.4
100°	98.9	101.5	104.0	106.5	97.9	78.1	58.4	38.6	18.8	19.8	20.8
102.5°	128.3	130.2	132.0	133.8	123.9	102.3	80.7	59.1	37.5	34.4	31.2
105°	171.4	172.8	174.1	175.5	170.5	159.1	147.7	136.3	124.9	102.5	80.0
107.5°	216.9	218.1	219.2	220.3	221.7	223.5	225.3	227.1	228.9	212.5	196.0
110°	247.4	248.4	249.4	250.4	251.7	253.0	254.4	255.8	257.2	253.0	248.9

TEST NUMBER: P332276

CATALOG NUMBER: S123RDIP-S560D585U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.5	277.4	278.3	279.2	280.4	281.8	283.2	284.6	286.0	286.1	286.1
115°	319.6	320.3	321.1	321.9	322.8	324.0	325.1	326.2	327.4	328.7	329.9
117.5°	361.6	362.6	363.5	364.4	365.2	365.8	366.4	367.0	367.5	368.6	369.6
120°	387.8	389.0	390.1	391.3	392.0	392.4	392.8	393.2	393.5	394.6	395.6
122.5°	414.1	415.0	416.0	416.9	417.6	418.1	418.6	419.1	419.6	420.3	421.0
125°	450.5	451.5	452.5	453.5	454.3	454.8	455.3	455.8	456.3	456.5	456.8
127.5°	485.6	486.6	487.6	488.6	489.4	490.0	490.7	491.3	491.9	492.3	492.7
130°	507.5	508.5	509.5	510.5	511.3	511.8	512.3	512.8	513.3	513.8	514.3
132.5°	528.5	529.5	530.5	531.5	532.2	532.6	533.0	533.4	533.9	534.4	534.9
135°	560.3	561.0	561.8	562.6	563.2	563.7	564.2	564.7	565.2	565.6	566.0
137.5°	587.9	588.8	589.8	590.7	591.4	591.6	591.9	592.2	592.5	593.1	593.7
140°	605.9	606.7	607.4	608.2	608.8	609.1	609.5	609.9	610.3	610.8	611.3
142.5°	622.8	623.6	624.3	625.1	625.6	626.0	626.4	626.8	627.2	627.6	628.0
145°	646.5	647.4	648.3	649.2	649.8	650.0	650.3	650.5	650.8	651.0	651.3
147.5°	668.5	669.1	669.6	670.2	670.6	670.9	671.1	671.4	671.7	671.9	672.2
150°	682.0	682.3	682.7	683.1	683.4	683.7	683.9	684.2	684.4	684.7	684.9
152.5°	694.1	694.2	694.4	694.6	694.8	694.9	695.1	695.2	695.4	695.8	696.3
155°	711.0	710.7	710.5	710.2	710.2	710.3	710.4	710.5	710.7	711.3	711.9
157.5°	724.7	724.6	724.6	724.6	724.5	724.4	724.3	724.1	724.0	724.8	725.5
160°	732.8	732.7	732.5	732.4	732.3	732.1	732.0	731.9	731.8	732.5	733.3
162.5°	740.3	740.0	739.7	739.3	739.1	739.0	738.9	738.7	738.6	739.5	740.3
165°	749.6	749.3	748.9	748.5	748.2	748.1	748.0	747.9	747.7	748.8	749.8
167.5°	756.8	756.3	755.8	755.3	755.0	755.0	755.0	755.0	755.0	756.1	757.1
170°	760.9	760.4	759.9	759.4	759.1	759.1	759.1	759.1	759.1	760.2	761.2
172.5°	763.6	762.9	762.3	761.7	761.5	761.6	761.7	761.8	761.9	762.9	763.9
175°	767.1	766.4	765.8	765.2	764.9	765.0	765.2	765.3	765.4	766.3	767.2
177.5°	768.1	767.6	767.1	766.6	766.4	766.5	766.6	766.7	766.8	767.6	768.4
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7	767.7

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	894.7	894.7	894.7	894.7	894.7	894.7	894.7
2.5°	943.8	943.8	945.0	949.6	950.2	954.2	952.9
5°	1037.2	1044.5	1047.2	1058.7	1065.6	1068.6	1062.5
7.5°	1151.5	1172.0	1181.8	1193.8	1204.4	1207.7	1199.3
10°	1234.9	1256.3	1274.3	1285.4	1295.8	1302.6	1311.5
12.5°	1315.4	1341.8	1358.9	1374.6	1385.2	1394.0	1395.4
15°	1403.0	1442.8	1473.1	1495.3	1506.4	1512.2	1509.9
17.5°	1491.3	1528.2	1549.8	1572.4	1587.8	1588.6	1589.1
20°	1541.3	1577.3	1602.2	1619.0	1636.3	1635.5	1639.3
22.5°	1574.7	1603.0	1622.1	1634.3	1640.2	1637.3	1638.1
25°	1590.3	1598.7	1595.3	1575.7	1570.8	1552.8	1555.8
27.5°	1509.7	1469.9	1428.7	1375.6	1333.8	1300.4	1302.1
30°	1400.3	1329.8	1249.4	1182.0	1121.5	1104.6	1068.6
32.5°	1247.4	1141.7	1047.5	984.7	932.7	918.6	887.2
35°	988.2	885.5	788.6	730.4	707.4	675.3	674.9
37.5°	768.1	677.7	626.5	582.8	559.9	540.4	538.5
40°	646.2	575.7	537.0	505.6	483.0	468.4	465.0
42.5°	561.0	504.0	467.7	448.3	430.9	423.4	417.8
45°	458.1	419.8	394.5	376.9	368.8	363.1	360.0
47.5°	383.2	357.5	340.3	328.6	322.0	316.0	317.6
50°	342.4	321.4	308.7	297.6	292.6	288.4	288.8
52.5°	309.6	290.7	280.5	272.5	266.3	263.3	261.8
55°	262.8	250.9	240.5	234.8	231.3	227.1	226.0
57.5°	224.1	214.9	206.5	200.0	199.2	195.1	195.6
60°	198.4	190.7	183.8	180.4	177.7	174.3	175.4
62.5°	177.3	170.8	164.5	161.7	159.0	156.5	157.0
65°	145.2	139.0	135.2	133.7	132.5	131.4	130.2
67.5°	115.7	111.9	109.5	106.2	103.9	103.5	102.3
70°	97.3	92.3	88.1	83.9	82.7	82.3	82.7
72.5°	78.0	74.8	73.7	71.6	71.4	70.4	71.1
75°	58.6	57.5	56.7	55.2	55.2	55.2	55.2
77.5°	43.2	42.5	42.1	41.7	41.4	40.8	40.8
80°	33.7	33.3	32.6	32.6	32.2	32.6	32.2
82.5°	25.4	25.4	24.6	24.6	24.2	24.0	24.2
85°	13.0	12.6	13.4	12.6	13.0	12.3	13.0
87.5°	6.7	6.8	6.6	6.6	6.4	7.0	6.5
90°	15.2	15.7	16.1	16.4	16.6	16.9	17.1
92.5°	17.0	17.8	18.3	18.5	18.6	18.8	18.9
95°	20.3	21.2	21.7	21.7	21.7	21.7	21.7
97.5°	21.4	22.4	23.0	23.1	23.2	23.4	23.5
100°	21.9	22.9	23.4	23.6	23.7	23.8	24.0
102.5°	28.1	25.0	23.5	23.7	24.0	24.2	24.4
105°	57.6	35.2	24.1	24.3	24.6	24.8	25.1
107.5°	179.6	163.1	146.5	129.5	112.6	95.7	78.8
110°	244.7	240.5	229.3	211.2	193.1	175.0	156.8

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	286.2	286.3	284.4	280.6	276.7	272.9	269.1
115°	331.2	332.5	333.3	333.8	334.4	334.9	335.4
117.5°	370.6	371.6	372.2	372.3	372.4	372.5	372.6
120°	396.6	397.6	398.1	398.1	398.1	398.1	398.1
122.5°	421.7	422.4	422.8	422.9	423.0	423.1	423.2
125°	457.0	457.3	457.6	457.8	458.1	458.3	458.6
127.5°	493.1	493.5	493.6	493.3	493.1	492.8	492.6
130°	514.8	515.3	515.5	515.2	515.0	514.7	514.5
132.5°	535.4	535.9	536.0	535.6	535.2	534.9	534.5
135°	566.4	566.7	566.7	566.4	566.0	565.6	565.2
137.5°	594.3	594.9	595.1	594.8	594.6	594.3	594.1
140°	611.8	612.3	612.4	612.2	611.9	611.7	611.4
142.5°	628.4	628.8	628.8	628.5	628.1	627.7	627.4
145°	651.5	651.8	651.9	651.9	651.9	651.9	651.9
147.5°	672.4	672.7	672.5	671.9	671.3	670.8	670.2
150°	685.2	685.4	685.4	685.0	684.6	684.2	683.9
152.5°	696.7	697.2	697.1	696.6	696.0	695.4	694.8
155°	712.6	713.2	713.1	712.4	711.6	710.9	710.1
157.5°	726.3	727.1	726.9	725.9	725.0	724.0	723.0
160°	734.0	734.8	734.7	733.9	733.0	732.1	731.2
162.5°	741.2	742.1	742.1	741.3	740.5	739.7	739.0
165°	750.8	751.8	751.9	751.0	750.1	749.2	748.3
167.5°	758.1	759.1	759.1	758.1	757.1	756.1	755.0
170°	762.2	763.2	763.2	762.2	761.2	760.2	759.1
172.5°	764.9	765.9	765.9	764.8	763.7	762.5	761.4
175°	768.1	769.0	768.9	767.9	766.9	765.9	764.8
177.5°	769.2	770.0	769.9	768.9	767.9	766.9	765.9
180°	767.7	767.7	767.7	767.7	767.7	767.7	767.7

(END OF REPORT)