

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: P332278-930

Luminaire Tested: **S123RDIP-S560D585U930-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332278-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S560D585U930-4F0-1E-UDD-A4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3546.4 lumens
Efficiency: N/A
Efficacy: 108.1 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

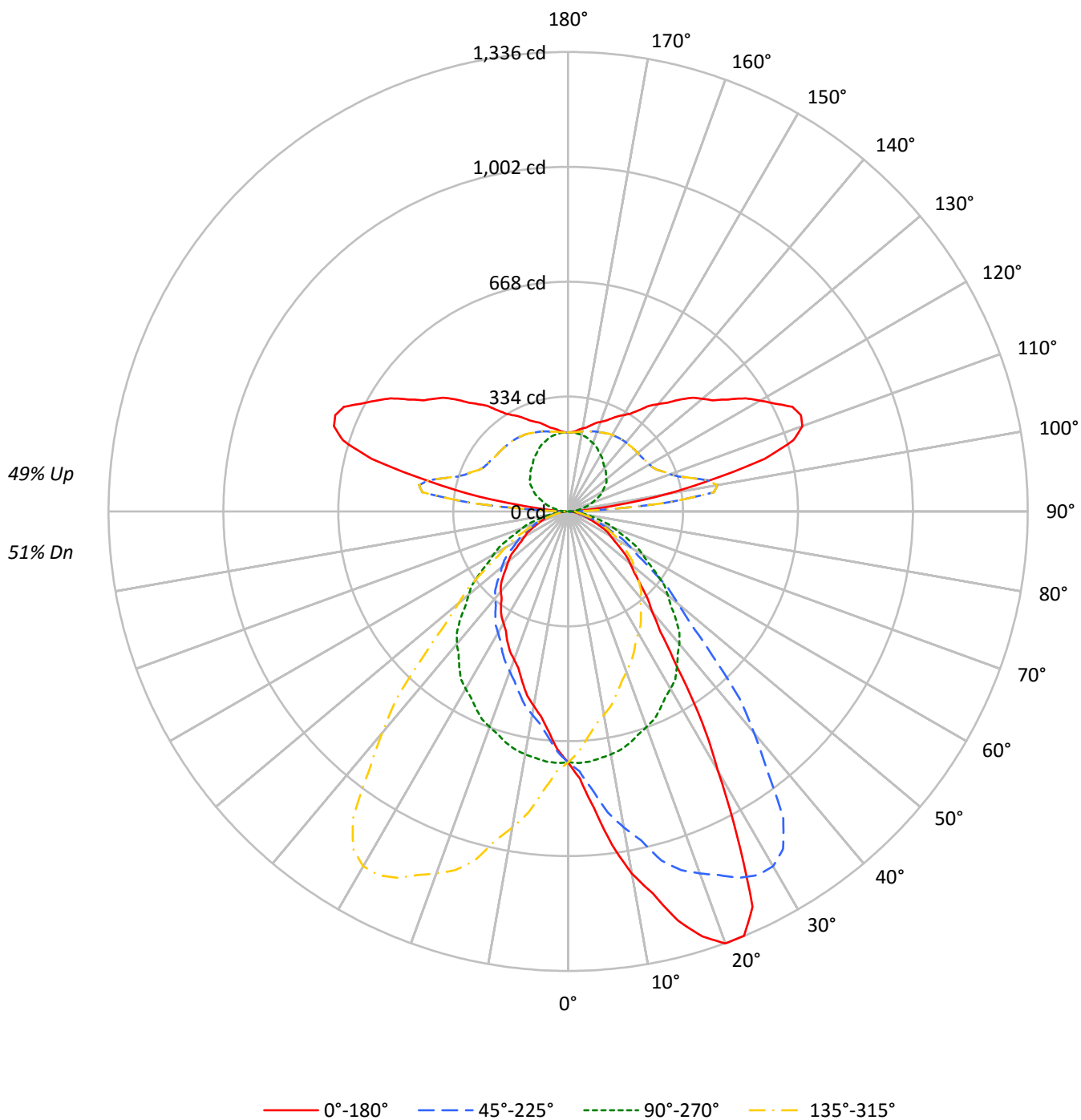
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	99	99	99	84	84	84	70	70	70	57	57	57
1	99	95	91	88	91	88	84	82	75	72	70	63	61	60	52	51	50
2	90	83	77	73	83	77	72	68	66	62	59	56	53	51	46	44	43
3	83	74	67	61	76	69	62	57	59	54	50	50	46	44	41	39	37
4	76	66	58	52	70	61	54	49	53	47	43	45	41	38	37	35	32
5	70	59	51	45	65	55	48	43	47	42	38	40	36	33	34	31	29
6	65	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	25
7	60	48	40	35	55	45	38	33	39	34	30	34	29	26	28	25	23
8	56	44	36	31	51	41	34	29	36	30	26	31	27	23	26	23	21
9	52	40	33	28	48	37	31	26	33	27	24	28	24	21	24	21	19
10	49	37	30	25	45	34	28	24	30	25	21	26	22	19	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7851	7851	7851	7851
5°	9360	7886	6944	7886
10°	11687	7840	6274	7840
15°	13718	7759	5721	7759
20°	15309	7640	5251	7640
25°	15064	7514	4962	7514
30°	10828	7398	4666	7398
35°	7230	7247	4473	7247
40°	5327	7065	4274	7065
45°	4468	6745	4078	6745
50°	3944	6328	3806	6328
55°	3459	5849	3434	5849
60°	3078	5393	3147	5393
65°	2705	4898	2929	4898
70°	2121	4463	2675	4463
75°	1871	3897	2441	3897
80°	1630	3310	2399	3310
85°	1309	2655	2544	2655

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	2.0
10°-20°	224.1	6.3
20°-30°	352.1	9.9
30°-40°	367.3	10.4
40°-50°	314.4	8.9
50°-60°	239.6	6.8
60°-70°	153.6	4.3
70°-80°	73.9	2.1
80°-90°	21.3	0.6
90°-100°	127.8	3.6
100°-110°	362.0	10.2
110°-120°	356.1	10.0
120°-130°	284.0	8.0
130°-140°	224.0	6.3
140°-150°	167.1	4.7
150°-160°	116.5	3.3
160°-170°	68.4	1.9
170°-180°	22.3	0.6
0°-30°	647.9	18.3
0°-40°	1015.3	28.6
0°-60°	1569.3	44.2
0°-90°	1818.1	51.3
90°-120°	846.0	23.9
90°-150°	1521.1	42.9
90°-180°	1728.0	48.7
0°-180°	3546.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	729	729	729	729	729	
5°	866	730	643	730	866	89
15°	1231	696	513	696	1231	349
25°	1268	633	418	633	1268	545
35°	550	552	340	552	550	361
45°	294	443	268	443	294	231
55°	184	312	183	312	184	167
65°	106	192	115	192	106	104
75°	45	94	59	94	45	48
85°	11	22	21	22	11	13
90°	14	1	14	1	14	7
95°	54	16	54	16	54	97
105°	592	54	592	54	592	584
115°	719	95	719	95	719	699
125°	567	133	567	133	567	514
135°	460	155	460	155	460	357
145°	360	177	360	177	360	229
155°	298	201	298	201	298	139
165°	260	220	260	220	260	74
175°	234	229	234	229	234	23
180°	230	230	230	230	230	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	776.9	778.0	774.7	774.2	770.5	769.5	769.5	764.2	760.9	756.7	754.2
5°	866.3	871.2	868.8	863.2	853.8	851.6	845.6	836.3	825.7	812.5	806.3
7.5°	977.8	984.6	981.9	973.3	963.5	955.5	938.8	923.2	901.5	882.4	866.0
10°	1069.3	1062.0	1056.5	1048.0	1038.9	1024.3	1006.8	982.8	955.0	933.1	908.7
12.5°	1137.7	1136.5	1129.4	1120.7	1107.9	1094.0	1072.4	1043.2	1010.9	979.3	951.5
15°	1231.0	1232.9	1228.2	1219.1	1201.0	1176.3	1143.9	1131.7	1085.5	1051.1	1016.8
17.5°	1295.6	1295.2	1294.5	1282.0	1263.6	1245.9	1215.9	1183.8	1142.0	1093.6	1047.3
20°	1336.5	1333.4	1334.1	1320.0	1306.3	1286.0	1256.6	1210.1	1175.7	1119.8	1072.0
22.5°	1335.5	1334.9	1337.3	1332.4	1322.5	1306.9	1283.9	1244.6	1200.7	1144.3	1090.5
25°	1268.4	1266.0	1280.7	1284.7	1300.6	1303.4	1296.6	1275.0	1233.5	1175.4	1108.9
27.5°	1061.6	1060.2	1087.4	1121.5	1164.8	1198.4	1230.9	1246.5	1233.5	1191.9	1125.3
30°	871.2	900.6	914.4	963.7	1018.6	1084.2	1141.7	1196.3	1209.7	1191.6	1137.0
32.5°	723.3	748.9	760.4	802.8	854.0	930.8	1017.0	1094.4	1149.1	1162.9	1130.0
35°	550.2	550.6	576.7	595.5	642.9	721.9	805.7	909.3	1012.4	1090.5	1098.6
37.5°	439.0	440.6	456.5	475.2	510.8	552.5	626.2	712.4	831.4	951.3	1021.6
40°	379.1	381.9	393.8	412.2	437.8	469.4	526.8	608.0	707.3	840.7	949.7
42.5°	340.6	345.2	351.3	365.5	381.3	410.9	457.4	520.1	610.3	736.5	862.2
45°	293.5	296.0	300.7	307.3	321.6	342.3	373.5	415.6	490.6	592.1	718.0
47.5°	258.9	257.6	262.5	267.9	277.4	291.5	312.4	346.8	400.3	481.7	588.5
50°	235.5	235.1	238.6	242.6	251.7	262.0	279.2	305.1	347.6	415.0	512.7
52.5°	213.4	214.7	217.1	222.2	228.7	237.0	252.4	271.1	307.6	365.8	447.3
55°	184.3	185.2	188.6	191.4	196.1	204.6	214.3	229.8	254.8	295.4	362.6
57.5°	159.5	159.1	162.4	163.1	168.4	175.2	182.7	194.9	213.0	243.1	288.4
60°	143.0	142.1	144.9	147.1	149.9	155.5	161.8	173.7	188.0	210.2	248.9
62.5°	128.0	127.6	129.6	131.8	134.1	139.3	144.6	153.6	165.0	183.7	214.4
65°	106.2	107.1	108.0	109.0	110.2	113.3	118.4	124.6	132.4	145.5	167.7
67.5°	83.4	84.4	84.7	86.6	89.3	91.2	94.3	99.9	105.3	116.3	129.0
70°	67.4	67.1	67.4	68.4	71.8	75.3	79.3	83.4	86.8	94.7	105.3
72.5°	58.0	57.4	58.2	58.4	60.1	61.0	63.6	67.4	71.8	77.1	84.8
75°	45.0	45.0	45.0	45.0	46.2	46.9	47.8	48.8	50.3	52.7	58.4
77.5°	33.3	33.3	33.8	34.0	34.3	34.7	35.2	36.2	36.7	38.1	40.4
80°	26.3	26.6	26.3	26.6	26.6	27.1	27.5	28.5	28.7	30.3	31.2
82.5°	19.7	19.6	19.7	20.1	20.1	20.7	20.7	21.4	21.5	22.3	23.2
85°	10.6	10.0	10.6	10.3	10.9	10.3	10.6	11.3	11.3	11.6	12.8
87.5°	5.2	5.8	5.2	5.4	5.5	5.5	5.4	5.3	5.7	5.5	5.5
90°	13.5	13.9	13.5	13.0	13.5	12.6	12.1	11.7	11.2	11.7	10.2
92.5°	22.4	23.2	22.7	24.2	25.0	27.5	31.1	39.1	54.0	71.5	78.7
95°	54.0	55.8	59.0	63.3	72.1	88.8	113.5	167.4	223.6	275.7	245.6
97.5°	146.8	150.8	163.4	184.3	218.7	274.3	334.3	417.4	457.2	427.4	312.8
100°	291.6	291.1	309.2	343.2	390.1	456.2	510.6	548.3	532.0	440.3	297.6
102.5°	427.7	438.4	453.6	480.5	517.0	558.9	590.6	591.8	535.7	416.2	275.3
105°	591.5	593.9	608.7	626.4	647.8	659.9	651.0	604.5	507.4	373.9	247.9
107.5°	685.8	690.1	695.1	701.1	700.7	684.1	643.4	567.9	457.7	336.5	230.4
110°	724.5	725.5	726.4	722.7	709.6	677.1	618.5	532.9	426.4	315.3	223.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	732.3	732.1	728.6	717.1	693.2	651.4	585.7	498.3	399.3	301.2	220.0
115°	719.4	717.1	707.8	687.3	652.4	601.8	533.4	452.5	366.5	286.0	218.6
117.5°	678.2	675.1	661.7	638.3	601.9	550.5	489.1	419.2	346.7	277.0	219.4
120°	644.1	641.2	630.1	604.1	567.4	520.3	464.6	401.8	336.2	273.0	220.9
122.5°	612.0	608.5	596.2	572.8	540.1	496.5	444.8	388.0	327.7	270.4	223.5
125°	567.4	564.1	552.4	532.0	502.2	465.0	420.4	369.7	316.7	266.9	227.4
127.5°	530.5	527.5	517.0	499.5	473.0	439.2	398.9	353.7	307.0	265.2	231.9
130°	509.6	506.0	496.2	479.5	454.8	423.1	385.5	343.6	301.8	264.2	234.8
132.5°	489.2	486.6	477.9	461.2	438.1	407.9	372.8	334.4	296.9	263.7	237.1
135°	459.9	456.6	448.3	434.3	411.6	385.1	354.8	321.8	290.7	263.2	240.4
137.5°	428.9	426.8	419.7	405.6	386.5	363.5	337.5	310.4	285.2	262.2	242.6
140°	407.3	407.8	400.4	387.3	369.7	349.7	327.3	303.7	281.8	261.8	244.1
142.5°	387.3	387.8	381.1	369.5	354.4	337.0	317.7	297.3	278.8	261.1	245.2
145°	359.5	358.6	354.8	345.0	333.5	319.9	305.1	289.7	274.8	259.9	246.0
147.5°	336.6	336.2	332.6	326.0	317.2	307.7	295.6	283.5	270.9	258.2	246.0
150°	323.2	323.2	320.4	315.3	308.3	299.5	289.7	279.0	268.3	256.7	246.0
152.5°	312.0	312.0	310.4	305.6	300.1	292.8	284.1	274.9	265.4	254.9	244.9
155°	298.1	297.6	296.7	292.9	288.8	283.2	276.2	268.8	260.9	251.6	243.7
157.5°	285.4	285.4	284.7	281.9	278.3	273.9	268.5	262.3	255.8	248.7	242.1
160°	277.1	277.6	277.6	274.8	271.6	268.3	263.7	258.5	252.5	246.5	241.3
162.5°	269.7	270.2	270.2	267.7	265.6	262.8	258.4	254.1	249.2	244.3	239.9
165°	259.9	259.9	260.4	258.5	256.7	254.4	251.1	248.3	244.6	240.9	237.7
167.5°	250.6	250.6	251.1	249.8	249.0	247.3	245.4	243.3	240.3	237.5	235.4
170°	245.1	245.1	245.6	244.6	244.1	243.2	241.3	239.9	237.7	235.3	233.9
172.5°	239.9	240.3	241.1	240.1	240.0	239.5	238.0	237.0	235.1	233.4	232.8
175°	233.9	234.4	234.8	234.4	234.4	234.4	233.4	233.0	232.0	231.1	231.1
177.5°	230.5	230.5	231.2	230.8	231.2	231.2	230.8	230.5	230.1	229.8	230.1
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	753.2	752.4	748.9	744.9	739.7	736.2	733.4	732.0	727.5	721.9	718.2
5°	799.7	790.4	780.4	768.2	756.9	745.4	738.3	729.8	719.5	707.9	699.8
7.5°	849.5	831.2	811.4	791.0	770.8	752.7	736.7	723.0	706.6	690.1	678.4
10°	887.8	861.0	833.2	804.7	778.8	754.5	735.7	717.3	697.7	678.6	664.2
12.5°	922.5	887.2	855.2	820.2	787.1	758.0	731.0	709.3	685.7	665.4	649.0
15°	966.5	930.3	891.5	838.5	794.4	757.6	724.8	696.3	667.6	642.7	626.7
17.5°	1007.5	953.1	901.1	856.7	799.6	753.5	713.5	679.5	648.0	621.5	601.9
20°	1024.6	971.8	915.3	858.8	802.6	751.1	704.5	667.0	634.2	604.2	586.1
22.5°	1034.8	975.0	915.5	854.8	795.1	741.5	695.5	654.3	618.7	590.3	567.9
25°	1046.8	975.5	910.0	850.0	789.1	731.0	676.4	632.7	594.3	563.9	540.2
27.5°	1054.6	970.9	893.3	826.7	764.9	707.1	657.0	610.7	571.7	539.6	514.2
30°	1056.1	967.1	880.6	808.5	745.7	692.6	639.5	595.2	554.0	519.9	496.2
32.5°	1058.1	957.9	863.4	786.8	722.5	669.9	621.8	579.4	537.2	503.7	479.5
35°	1049.9	952.8	837.2	749.2	684.9	633.9	590.5	551.5	510.0	477.4	452.8
37.5°	1014.4	932.5	810.1	706.8	639.5	592.4	557.0	523.0	484.9	449.9	426.6
40°	978.7	912.5	789.1	681.1	610.8	562.4	530.5	502.8	465.9	433.1	408.1
42.5°	925.4	885.3	769.2	654.1	578.3	531.7	504.8	478.7	446.5	413.1	389.6
45°	827.9	833.2	728.2	611.1	533.4	486.5	461.2	443.1	414.4	386.9	362.9
47.5°	705.4	755.0	680.2	565.3	486.0	442.0	419.9	404.1	384.7	357.8	335.8
50°	625.5	696.3	641.7	534.6	456.2	412.5	390.7	377.9	361.0	339.7	318.9
52.5°	551.8	627.9	595.3	500.3	424.0	384.0	362.6	352.1	338.8	318.8	299.9
55°	450.0	527.1	519.6	448.7	375.7	339.7	323.5	311.7	302.6	287.6	272.6
57.5°	363.9	437.1	441.0	391.3	333.0	297.6	283.6	274.7	268.7	257.5	243.6
60°	309.8	376.9	390.0	352.5	302.6	271.3	257.6	250.5	245.7	236.7	226.1
62.5°	264.8	322.0	336.8	309.8	273.4	244.1	233.4	226.5	223.3	215.5	206.1
65°	202.7	250.1	264.5	249.5	230.5	207.0	198.3	192.3	189.6	185.2	178.3
67.5°	152.4	187.0	202.8	192.2	185.3	170.5	164.9	161.8	159.2	156.3	150.5
70°	122.4	148.1	164.3	161.4	155.8	148.1	144.0	141.8	139.3	136.8	131.8
72.5°	98.4	116.0	131.3	132.7	128.1	126.5	122.9	122.1	120.5	117.6	114.8
75°	65.3	77.5	88.1	92.1	94.0	95.6	94.0	93.7	93.4	90.9	89.3
77.5°	42.8	49.3	56.0	62.9	65.9	68.0	68.5	69.6	68.8	67.5	66.8
80°	32.8	34.3	39.1	45.0	49.7	51.5	52.7	53.4	53.1	52.7	51.5
82.5°	23.8	25.1	27.3	31.5	35.4	38.6	39.3	39.1	39.9	40.0	39.1
85°	12.8	13.1	13.8	14.3	16.6	20.0	21.0	21.5	22.2	22.2	20.3
87.5°	5.8	5.2	5.5	5.3	5.9	5.8	7.1	8.2	8.6	7.8	8.1
90°	8.8	7.4	6.0	5.1	4.2	2.8	1.9	0.9	1.9	2.8	4.2
92.5°	59.0	39.1	26.9	20.0	16.1	12.5	8.6	5.8	8.6	12.5	16.1
95°	169.3	100.0	60.4	42.3	30.2	22.3	17.2	15.8	17.2	22.3	30.2
97.5°	185.7	107.6	69.9	50.2	38.3	31.5	27.5	27.0	27.5	31.5	38.3
100°	175.3	106.5	73.9	55.8	44.7	38.2	34.9	34.4	34.9	38.2	44.7
102.5°	166.4	107.9	78.8	62.1	52.1	46.0	43.0	42.2	43.0	46.0	52.1
105°	160.0	112.1	87.0	72.6	63.7	58.1	55.4	54.0	55.4	58.1	63.7
107.5°	159.5	119.7	97.7	84.3	76.0	70.5	67.8	66.4	67.8	70.5	76.0
110°	161.3	126.0	105.1	92.0	84.1	79.1	76.7	75.3	76.7	79.1	84.1

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	165.1	132.3	112.9	100.3	92.4	87.2	85.0	83.5	85.0	87.2	92.4
115°	171.1	142.8	125.1	112.5	104.6	100.0	97.2	95.3	97.2	100.0	104.6
117.5°	179.1	153.8	136.3	124.7	115.9	111.6	109.3	107.1	109.3	111.6	115.9
120°	185.1	160.9	144.1	132.6	123.7	119.0	116.8	115.4	116.8	119.0	123.7
122.5°	190.7	168.4	152.0	139.6	131.1	126.1	123.8	122.4	123.8	126.1	131.1
125°	199.5	179.0	162.7	150.2	141.4	136.2	133.5	132.6	133.5	136.2	141.4
127.5°	206.8	188.3	172.6	160.0	150.3	145.1	141.6	140.2	141.6	145.1	150.3
130°	211.6	193.9	178.6	166.0	156.2	150.7	146.5	145.1	146.5	150.7	156.2
132.5°	216.1	198.8	183.8	171.6	161.8	155.2	150.6	148.8	150.6	155.2	161.8
135°	221.8	206.0	191.6	179.0	169.3	162.3	157.2	155.3	157.2	162.3	169.3
137.5°	226.1	211.0	197.1	185.6	175.9	168.4	163.4	161.4	163.4	168.4	175.9
140°	228.4	214.3	200.9	189.2	179.9	172.5	167.9	165.6	167.9	172.5	179.9
142.5°	230.6	217.0	203.9	193.0	183.7	177.0	171.9	170.0	171.9	177.0	183.7
145°	233.0	220.5	208.3	197.6	189.7	182.8	178.6	177.2	178.6	182.8	189.7
147.5°	234.5	223.2	212.1	203.0	195.4	189.4	185.2	184.4	185.2	189.4	195.4
150°	234.8	225.1	214.3	206.0	199.5	193.5	189.7	189.2	189.7	193.5	199.5
152.5°	235.6	226.2	217.0	209.0	203.3	198.0	194.2	194.1	194.2	198.0	203.3
155°	235.8	228.4	220.5	213.9	208.8	204.2	201.4	201.4	201.4	204.2	208.8
157.5°	236.3	229.5	223.2	218.2	213.9	209.7	207.5	207.1	207.5	209.7	213.9
160°	236.3	230.6	225.1	220.5	217.2	213.4	211.6	211.6	211.6	213.4	217.2
162.5°	235.9	231.1	226.2	222.3	219.4	216.5	214.9	214.9	214.9	216.5	219.4
165°	234.8	231.5	227.9	224.6	222.7	220.5	219.5	220.0	219.5	220.5	222.7
167.5°	234.1	231.5	228.8	226.7	225.4	223.6	223.2	223.8	223.2	223.6	225.4
170°	233.0	231.1	228.8	227.9	226.9	225.5	225.1	226.0	225.1	225.5	226.9
172.5°	232.6	231.1	229.2	228.6	228.0	227.1	226.9	227.5	226.9	227.1	228.0
175°	231.5	230.6	229.8	229.3	229.3	228.4	228.8	229.3	228.8	228.4	229.3
177.5°	230.8	230.1	229.8	229.8	229.8	229.3	229.8	230.1	229.8	229.3	229.8
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	717.0	713.7	711.5	706.5	703.3	699.8	696.3	698.5	698.2	698.0	698.0
5°	692.9	685.7	679.2	670.7	665.4	658.9	653.9	653.3	654.5	650.1	647.7
7.5°	669.1	659.3	650.0	640.7	630.8	622.9	618.0	615.7	612.5	609.8	607.0
10°	652.3	640.8	631.7	620.2	609.6	600.2	594.3	590.2	588.0	585.8	581.8
12.5°	635.1	623.8	612.2	599.2	589.1	578.2	573.8	569.2	565.0	562.6	557.0
15°	609.8	595.2	583.0	569.2	558.1	547.4	541.2	532.1	530.8	527.7	522.1
17.5°	584.6	568.7	551.9	541.7	529.0	518.0	508.4	505.4	496.4	493.1	488.2
20°	564.6	549.9	537.1	523.7	505.2	495.0	487.5	483.4	476.2	471.8	468.7
22.5°	547.4	532.4	517.6	502.0	486.7	475.2	469.7	463.4	459.5	453.4	450.0
25°	522.8	506.5	488.7	471.8	460.9	452.2	443.4	437.8	432.2	429.3	423.1
27.5°	494.2	477.2	460.6	447.8	434.3	425.7	417.8	412.8	406.0	401.3	397.9
30°	478.4	458.4	444.1	432.5	415.3	407.2	401.3	395.0	390.0	385.1	381.6
32.5°	460.2	441.9	428.3	414.0	400.8	392.0	384.3	378.8	374.5	369.8	366.4
35°	431.5	416.3	402.2	387.8	378.1	369.1	360.0	355.4	351.3	346.9	343.8
37.5°	405.7	391.4	378.1	364.4	352.5	345.0	337.8	334.2	328.7	325.8	322.6
40°	389.7	375.7	361.3	348.2	335.7	330.1	323.5	318.2	313.2	311.0	307.6
42.5°	372.3	358.2	346.1	331.9	321.7	314.1	308.0	302.2	298.5	295.3	293.3
45°	346.3	333.8	322.0	307.9	298.2	291.6	284.8	279.5	276.1	273.9	270.4
47.5°	321.1	308.7	296.6	284.4	275.0	267.5	260.7	256.9	252.4	249.7	247.4
50°	302.9	291.6	278.8	267.6	258.3	250.8	245.2	240.4	236.4	232.9	231.4
52.5°	286.2	274.2	263.1	252.7	242.8	234.2	229.2	224.2	221.2	217.2	215.4
55°	258.5	247.0	237.7	227.3	217.7	210.5	204.2	199.8	196.7	192.3	189.9
57.5°	232.6	222.3	211.1	202.2	192.2	186.1	180.9	175.0	171.2	167.8	165.3
60°	215.2	203.3	193.6	185.2	176.4	168.6	164.0	159.2	155.2	151.7	149.6
62.5°	196.9	186.5	177.4	168.2	160.2	153.4	148.0	144.0	140.5	138.3	136.1
65°	168.9	160.9	151.5	144.0	136.5	131.5	127.1	123.7	121.2	119.6	117.7
67.5°	143.2	135.3	127.2	119.8	114.8	111.0	108.1	105.2	104.0	101.9	100.7
70°	126.5	118.4	111.2	105.6	100.5	97.8	95.9	93.7	92.5	89.9	88.7
72.5°	108.3	102.4	97.2	92.5	88.5	86.0	83.6	81.0	78.9	76.2	74.9
75°	85.3	80.0	75.9	72.7	70.3	66.9	63.4	60.6	59.7	58.7	58.4
77.5°	63.1	59.8	56.8	54.2	51.1	48.6	47.9	47.2	47.0	46.6	46.6
80°	49.7	46.6	44.4	41.3	39.4	39.4	39.4	38.7	39.1	39.1	39.1
82.5°	36.9	34.0	32.9	31.7	31.4	31.6	31.6	31.7	31.6	32.0	31.8
85°	19.1	19.3	20.0	19.6	20.0	20.0	20.6	20.3	20.6	20.0	20.6
87.5°	8.0	9.0	9.5	10.0	10.5	10.6	10.8	10.8	11.2	11.3	11.4
90°	5.1	6.0	7.4	8.8	10.2	11.7	11.2	11.7	12.1	12.6	13.5
92.5°	20.0	26.9	39.1	59.0	78.7	71.5	54.0	39.1	31.1	27.5	25.0
95°	42.3	60.4	100.0	169.3	245.6	275.7	223.6	167.4	113.5	88.8	72.1
97.5°	50.2	69.9	107.6	185.7	312.8	427.4	457.2	417.4	334.3	274.3	218.7
100°	55.8	73.9	106.5	175.3	297.6	440.3	532.0	548.3	510.6	456.2	390.1
102.5°	62.1	78.8	107.9	166.4	275.3	416.2	535.7	591.8	590.6	558.9	517.0
105°	72.6	87.0	112.1	160.0	247.9	373.9	507.4	604.5	651.0	659.9	647.8
107.5°	84.3	97.7	119.7	159.5	230.4	336.5	457.7	567.9	643.4	684.1	700.7
110°	92.0	105.1	126.0	161.3	223.6	315.3	426.4	532.9	618.5	677.1	709.6

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	100.3	112.9	132.3	165.1	220.0	301.2	399.3	498.3	585.7	651.4	693.2
115°	112.5	125.1	142.8	171.1	218.6	286.0	366.5	452.5	533.4	601.8	652.4
117.5°	124.7	136.3	153.8	179.1	219.4	277.0	346.7	419.2	489.1	550.5	601.9
120°	132.6	144.1	160.9	185.1	220.9	273.0	336.2	401.8	464.6	520.3	567.4
122.5°	139.6	152.0	168.4	190.7	223.5	270.4	327.7	388.0	444.8	496.5	540.1
125°	150.2	162.7	179.0	199.5	227.4	266.9	316.7	369.7	420.4	465.0	502.2
127.5°	160.0	172.6	188.3	206.8	231.9	265.2	307.0	353.7	398.9	439.2	473.0
130°	166.0	178.6	193.9	211.6	234.8	264.2	301.8	343.6	385.5	423.1	454.8
132.5°	171.6	183.8	198.8	216.1	237.1	263.7	296.9	334.4	372.8	407.9	438.1
135°	179.0	191.6	206.0	221.8	240.4	263.2	290.7	321.8	354.8	385.1	411.6
137.5°	185.6	197.1	211.0	226.1	242.6	262.2	285.2	310.4	337.5	363.5	386.5
140°	189.2	200.9	214.3	228.4	244.1	261.8	281.8	303.7	327.3	349.7	369.7
142.5°	193.0	203.9	217.0	230.6	245.2	261.1	278.8	297.3	317.7	337.0	354.4
145°	197.6	208.3	220.5	233.0	246.0	259.9	274.8	289.7	305.1	319.9	333.5
147.5°	203.0	212.1	223.2	234.5	246.0	258.2	270.9	283.5	295.6	307.7	317.2
150°	206.0	214.3	225.1	234.8	246.0	256.7	268.3	279.0	289.7	299.5	308.3
152.5°	209.0	217.0	226.2	235.6	244.9	254.9	265.4	274.9	284.1	292.8	300.1
155°	213.9	220.5	228.4	235.8	243.7	251.6	260.9	268.8	276.2	283.2	288.8
157.5°	218.2	223.2	229.5	236.3	242.1	248.7	255.8	262.3	268.5	273.9	278.3
160°	220.5	225.1	230.6	236.3	241.3	246.5	252.5	258.5	263.7	268.3	271.6
162.5°	222.3	226.2	231.1	235.9	239.9	244.3	249.2	254.1	258.4	262.8	265.6
165°	224.6	227.9	231.5	234.8	237.7	240.9	244.6	248.3	251.1	254.4	256.7
167.5°	226.7	228.8	231.5	234.1	235.4	237.5	240.3	243.3	245.4	247.3	249.0
170°	227.9	228.8	231.1	233.0	233.9	235.3	237.7	239.9	241.3	243.2	244.1
172.5°	228.6	229.2	231.1	232.6	232.8	233.4	235.1	237.0	238.0	239.5	240.0
175°	229.3	229.8	230.6	231.5	231.1	231.1	232.0	233.0	233.4	234.4	234.4
177.5°	229.8	229.8	230.1	230.8	230.1	229.8	230.1	230.5	230.8	231.2	231.2
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	695.0	694.7	695.0	694.0	695.0	694.7	695.0	698.0	698.0	698.2	698.5
5°	646.7	646.4	645.5	642.7	645.5	646.4	646.7	647.7	650.1	654.5	653.3
7.5°	604.5	604.1	601.4	601.4	601.4	604.1	604.5	607.0	609.8	612.5	615.7
10°	579.6	579.9	576.2	574.0	576.2	579.9	579.6	581.8	585.8	588.0	590.2
12.5°	555.4	553.9	550.9	548.5	550.9	553.9	555.4	557.0	562.6	565.0	569.2
15°	523.3	520.2	512.7	513.4	512.7	520.2	523.3	522.1	527.7	530.8	532.1
17.5°	485.7	483.4	483.3	478.9	483.3	483.4	485.7	488.2	493.1	496.4	505.4
20°	463.7	462.2	462.8	458.4	462.8	462.2	463.7	468.7	471.8	476.2	483.4
22.5°	446.5	444.9	442.3	440.9	442.3	444.9	446.5	450.0	453.4	459.5	463.4
25°	421.3	418.7	416.3	417.8	416.3	418.7	421.3	423.1	429.3	432.2	437.8
27.5°	396.0	394.1	391.7	391.3	391.7	394.1	396.0	397.9	401.3	406.0	412.8
30°	380.0	378.1	376.9	375.4	376.9	378.1	380.0	381.6	385.1	390.0	395.0
32.5°	363.8	363.5	361.2	360.9	361.2	363.5	363.8	366.4	369.8	374.5	378.8
35°	342.6	340.7	340.1	340.4	340.1	340.7	342.6	343.8	346.9	351.3	355.4
37.5°	322.4	319.9	318.8	317.6	318.8	319.9	322.4	322.6	325.8	328.7	334.2
40°	307.9	305.4	304.8	304.2	304.8	305.4	307.9	307.6	311.0	313.2	318.2
42.5°	291.6	290.7	290.3	289.2	290.3	290.7	291.6	293.3	295.3	298.5	302.2
45°	269.5	269.2	267.3	267.9	267.3	269.2	269.5	270.4	273.9	276.1	279.5
47.5°	246.1	244.8	243.4	244.3	243.4	244.8	246.1	247.4	249.7	252.4	256.9
50°	230.2	229.5	226.7	227.3	226.7	229.5	230.2	231.4	232.9	236.4	240.4
52.5°	214.2	211.8	210.8	210.3	210.8	211.8	214.2	215.4	217.2	221.2	224.2
55°	187.7	184.8	183.6	183.0	183.6	184.8	187.7	189.9	192.3	196.7	199.8
57.5°	161.7	160.9	160.0	160.6	160.0	160.9	161.7	165.3	167.8	171.2	175.0
60°	146.4	146.4	146.4	146.2	146.4	146.4	146.4	149.6	151.7	155.2	159.2
62.5°	134.7	134.0	133.7	134.1	133.7	134.0	134.7	136.1	138.3	140.5	144.0
65°	116.8	116.5	115.2	115.0	115.2	116.5	116.8	117.7	119.6	121.2	123.7
67.5°	99.9	98.7	98.4	97.9	98.4	98.7	99.9	100.7	101.9	104.0	105.2
70°	87.2	86.5	84.6	85.0	84.6	86.5	87.2	88.7	89.9	92.5	93.7
72.5°	73.4	72.7	72.4	71.9	72.4	72.7	73.4	74.9	76.2	78.9	81.0
75°	58.0	57.8	57.5	58.7	57.5	57.8	58.0	58.4	58.7	59.7	60.6
77.5°	46.6	46.6	46.7	46.2	46.7	46.6	46.6	46.6	46.6	47.0	47.2
80°	39.1	39.1	38.7	38.7	38.7	39.1	39.1	39.1	39.1	39.1	38.7
82.5°	31.3	31.6	31.7	31.2	31.7	31.6	31.3	31.8	32.0	31.6	31.7
85°	20.6	20.3	21.0	20.6	21.0	20.3	20.6	20.6	20.0	20.6	20.3
87.5°	11.8	11.4	11.5	11.7	11.5	11.4	11.8	11.4	11.3	11.2	10.8
90°	13.0	13.5	13.9	13.5	13.9	13.5	13.0	13.5	12.6	12.1	11.7
92.5°	24.2	22.7	23.2	22.4	23.2	22.7	24.2	25.0	27.5	31.1	39.1
95°	63.3	59.0	55.8	54.0	55.8	59.0	63.3	72.1	88.8	113.5	167.4
97.5°	184.3	163.4	150.8	146.8	150.8	163.4	184.3	218.7	274.3	334.3	417.4
100°	343.2	309.2	291.1	291.6	291.1	309.2	343.2	390.1	456.2	510.6	548.3
102.5°	480.5	453.6	438.4	427.7	438.4	453.6	480.5	517.0	558.9	590.6	591.8
105°	626.4	608.7	593.9	591.5	593.9	608.7	626.4	647.8	659.9	651.0	604.5
107.5°	701.1	695.1	690.1	685.8	690.1	695.1	701.1	700.7	684.1	643.4	567.9
110°	722.7	726.4	725.5	724.5	725.5	726.4	722.7	709.6	677.1	618.5	532.9

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	717.1	728.6	732.1	732.3	732.1	728.6	717.1	693.2	651.4	585.7	498.3
115°	687.3	707.8	717.1	719.4	717.1	707.8	687.3	652.4	601.8	533.4	452.5
117.5°	638.3	661.7	675.1	678.2	675.1	661.7	638.3	601.9	550.5	489.1	419.2
120°	604.1	630.1	641.2	644.1	641.2	630.1	604.1	567.4	520.3	464.6	401.8
122.5°	572.8	596.2	608.5	612.0	608.5	596.2	572.8	540.1	496.5	444.8	388.0
125°	532.0	552.4	564.1	567.4	564.1	552.4	532.0	502.2	465.0	420.4	369.7
127.5°	499.5	517.0	527.5	530.5	527.5	517.0	499.5	473.0	439.2	398.9	353.7
130°	479.5	496.2	506.0	509.6	506.0	496.2	479.5	454.8	423.1	385.5	343.6
132.5°	461.2	477.9	486.6	489.2	486.6	477.9	461.2	438.1	407.9	372.8	334.4
135°	434.3	448.3	456.6	459.9	456.6	448.3	434.3	411.6	385.1	354.8	321.8
137.5°	405.6	419.7	426.8	428.9	426.8	419.7	405.6	386.5	363.5	337.5	310.4
140°	387.3	400.4	407.8	407.3	407.8	400.4	387.3	369.7	349.7	327.3	303.7
142.5°	369.5	381.1	387.8	387.3	387.8	381.1	369.5	354.4	337.0	317.7	297.3
145°	345.0	354.8	358.6	359.5	358.6	354.8	345.0	333.5	319.9	305.1	289.7
147.5°	326.0	332.6	336.2	336.6	336.2	332.6	326.0	317.2	307.7	295.6	283.5
150°	315.3	320.4	323.2	323.2	323.2	320.4	315.3	308.3	299.5	289.7	279.0
152.5°	305.6	310.4	312.0	312.0	312.0	310.4	305.6	300.1	292.8	284.1	274.9
155°	292.9	296.7	297.6	298.1	297.6	296.7	292.9	288.8	283.2	276.2	268.8
157.5°	281.9	284.7	285.4	285.4	285.4	284.7	281.9	278.3	273.9	268.5	262.3
160°	274.8	277.6	277.6	277.1	277.6	277.6	274.8	271.6	268.3	263.7	258.5
162.5°	267.7	270.2	270.2	269.7	270.2	270.2	267.7	265.6	262.8	258.4	254.1
165°	258.5	260.4	259.9	259.9	259.9	260.4	258.5	256.7	254.4	251.1	248.3
167.5°	249.8	251.1	250.6	250.6	250.6	251.1	249.8	249.0	247.3	245.4	243.3
170°	244.6	245.6	245.1	245.1	245.1	245.6	244.6	244.1	243.2	241.3	239.9
172.5°	240.1	241.1	240.3	239.9	240.3	241.1	240.1	240.0	239.5	238.0	237.0
175°	234.4	234.8	234.4	233.9	234.4	234.8	234.4	234.4	234.4	233.4	233.0
177.5°	230.8	231.2	230.5	230.5	230.5	231.2	230.8	231.2	231.2	230.8	230.5
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	696.3	699.8	703.3	706.5	711.5	713.7	717.0	718.2	721.9	727.5	732.0
5°	653.9	658.9	665.4	670.7	679.2	685.7	692.9	699.8	707.9	719.5	729.8
7.5°	618.0	622.9	630.8	640.7	650.0	659.3	669.1	678.4	690.1	706.6	723.0
10°	594.3	600.2	609.6	620.2	631.7	640.8	652.3	664.2	678.6	697.7	717.3
12.5°	573.8	578.2	589.1	599.2	612.2	623.8	635.1	649.0	665.4	685.7	709.3
15°	541.2	547.4	558.1	569.2	583.0	595.2	609.8	626.7	642.7	667.6	696.3
17.5°	508.4	518.0	529.0	541.7	551.9	568.7	584.6	601.9	621.5	648.0	679.5
20°	487.5	495.0	505.2	523.7	537.1	549.9	564.6	586.1	604.2	634.2	667.0
22.5°	469.7	475.2	486.7	502.0	517.6	532.4	547.4	567.9	590.3	618.7	654.3
25°	443.4	452.2	460.9	471.8	488.7	506.5	522.8	540.2	563.9	594.3	632.7
27.5°	417.8	425.7	434.3	447.8	460.6	477.2	494.2	514.2	539.6	571.7	610.7
30°	401.3	407.2	415.3	432.5	444.1	458.4	478.4	496.2	519.9	554.0	595.2
32.5°	384.3	392.0	400.8	414.0	428.3	441.9	460.2	479.5	503.7	537.2	579.4
35°	360.0	369.1	378.1	387.8	402.2	416.3	431.5	452.8	477.4	510.0	551.5
37.5°	337.8	345.0	352.5	364.4	378.1	391.4	405.7	426.6	449.9	484.9	523.0
40°	323.5	330.1	335.7	348.2	361.3	375.7	389.7	408.1	433.1	465.9	502.8
42.5°	308.0	314.1	321.7	331.9	346.1	358.2	372.3	389.6	413.1	446.5	478.7
45°	284.8	291.6	298.2	307.9	322.0	333.8	346.3	362.9	386.9	414.4	443.1
47.5°	260.7	267.5	275.0	284.4	296.6	308.7	321.1	335.8	357.8	384.7	404.1
50°	245.2	250.8	258.3	267.6	278.8	291.6	302.9	318.9	339.7	361.0	377.9
52.5°	229.2	234.2	242.8	252.7	263.1	274.2	286.2	299.9	318.8	338.8	352.1
55°	204.2	210.5	217.7	227.3	237.7	247.0	258.5	272.6	287.6	302.6	311.7
57.5°	180.9	186.1	192.2	202.2	211.1	222.3	232.6	243.6	257.5	268.7	274.7
60°	164.0	168.6	176.4	185.2	193.6	203.3	215.2	226.1	236.7	245.7	250.5
62.5°	148.0	153.4	160.2	168.2	177.4	186.5	196.9	206.1	215.5	223.3	226.5
65°	127.1	131.5	136.5	144.0	151.5	160.9	168.9	178.3	185.2	189.6	192.3
67.5°	108.1	111.0	114.8	119.8	127.2	135.3	143.2	150.5	156.3	159.2	161.8
70°	95.9	97.8	100.5	105.6	111.2	118.4	126.5	131.8	136.8	139.3	141.8
72.5°	83.6	86.0	88.5	92.5	97.2	102.4	108.3	114.8	117.6	120.5	122.1
75°	63.4	66.9	70.3	72.7	75.9	80.0	85.3	89.3	90.9	93.4	93.7
77.5°	47.9	48.6	51.1	54.2	56.8	59.8	63.1	66.8	67.5	68.8	69.6
80°	39.4	39.4	39.4	41.3	44.4	46.6	49.7	51.5	52.7	53.1	53.4
82.5°	31.6	31.6	31.4	31.7	32.9	34.0	36.9	39.1	40.0	39.9	39.1
85°	20.6	20.0	20.0	19.6	20.0	19.3	19.1	20.3	22.2	22.2	21.5
87.5°	10.8	10.6	10.5	10.0	9.5	9.0	8.0	8.1	7.8	8.6	8.2
90°	11.2	11.7	10.2	8.8	7.4	6.0	5.1	4.2	2.8	1.9	0.9
92.5°	54.0	71.5	78.7	59.0	39.1	26.9	20.0	16.1	12.5	8.6	5.8
95°	223.6	275.7	245.6	169.3	100.0	60.4	42.3	30.2	22.3	17.2	15.8
97.5°	457.2	427.4	312.8	185.7	107.6	69.9	50.2	38.3	31.5	27.5	27.0
100°	532.0	440.3	297.6	175.3	106.5	73.9	55.8	44.7	38.2	34.9	34.4
102.5°	535.7	416.2	275.3	166.4	107.9	78.8	62.1	52.1	46.0	43.0	42.2
105°	507.4	373.9	247.9	160.0	112.1	87.0	72.6	63.7	58.1	55.4	54.0
107.5°	457.7	336.5	230.4	159.5	119.7	97.7	84.3	76.0	70.5	67.8	66.4
110°	426.4	315.3	223.6	161.3	126.0	105.1	92.0	84.1	79.1	76.7	75.3

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	399.3	301.2	220.0	165.1	132.3	112.9	100.3	92.4	87.2	85.0	83.5
115°	366.5	286.0	218.6	171.1	142.8	125.1	112.5	104.6	100.0	97.2	95.3
117.5°	346.7	277.0	219.4	179.1	153.8	136.3	124.7	115.9	111.6	109.3	107.1
120°	336.2	273.0	220.9	185.1	160.9	144.1	132.6	123.7	119.0	116.8	115.4
122.5°	327.7	270.4	223.5	190.7	168.4	152.0	139.6	131.1	126.1	123.8	122.4
125°	316.7	266.9	227.4	199.5	179.0	162.7	150.2	141.4	136.2	133.5	132.6
127.5°	307.0	265.2	231.9	206.8	188.3	172.6	160.0	150.3	145.1	141.6	140.2
130°	301.8	264.2	234.8	211.6	193.9	178.6	166.0	156.2	150.7	146.5	145.1
132.5°	296.9	263.7	237.1	216.1	198.8	183.8	171.6	161.8	155.2	150.6	148.8
135°	290.7	263.2	240.4	221.8	206.0	191.6	179.0	169.3	162.3	157.2	155.3
137.5°	285.2	262.2	242.6	226.1	211.0	197.1	185.6	175.9	168.4	163.4	161.4
140°	281.8	261.8	244.1	228.4	214.3	200.9	189.2	179.9	172.5	167.9	165.6
142.5°	278.8	261.1	245.2	230.6	217.0	203.9	193.0	183.7	177.0	171.9	170.0
145°	274.8	259.9	246.0	233.0	220.5	208.3	197.6	189.7	182.8	178.6	177.2
147.5°	270.9	258.2	246.0	234.5	223.2	212.1	203.0	195.4	189.4	185.2	184.4
150°	268.3	256.7	246.0	234.8	225.1	214.3	206.0	199.5	193.5	189.7	189.2
152.5°	265.4	254.9	244.9	235.6	226.2	217.0	209.0	203.3	198.0	194.2	194.1
155°	260.9	251.6	243.7	235.8	228.4	220.5	213.9	208.8	204.2	201.4	201.4
157.5°	255.8	248.7	242.1	236.3	229.5	223.2	218.2	213.9	209.7	207.5	207.1
160°	252.5	246.5	241.3	236.3	230.6	225.1	220.5	217.2	213.4	211.6	211.6
162.5°	249.2	244.3	239.9	235.9	231.1	226.2	222.3	219.4	216.5	214.9	214.9
165°	244.6	240.9	237.7	234.8	231.5	227.9	224.6	222.7	220.5	219.5	220.0
167.5°	240.3	237.5	235.4	234.1	231.5	228.8	226.7	225.4	223.6	223.2	223.8
170°	237.7	235.3	233.9	233.0	231.1	228.8	227.9	226.9	225.5	225.1	226.0
172.5°	235.1	233.4	232.8	232.6	231.1	229.2	228.6	228.0	227.1	226.9	227.5
175°	232.0	231.1	231.1	231.5	230.6	229.8	229.3	229.3	228.4	228.8	229.3
177.5°	230.1	229.8	230.1	230.8	230.1	229.8	229.8	229.8	229.3	229.8	230.1
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	733.4	736.2	739.7	744.9	748.9	752.4	753.2	754.2	756.7	760.9	764.2
5°	738.3	745.4	756.9	768.2	780.4	790.4	799.7	806.3	812.5	825.7	836.3
7.5°	736.7	752.7	770.8	791.0	811.4	831.2	849.5	866.0	882.4	901.5	923.2
10°	735.7	754.5	778.8	804.7	833.2	861.0	887.8	908.7	933.1	955.0	982.8
12.5°	731.0	758.0	787.1	820.2	855.2	887.2	922.5	951.5	979.3	1010.9	1043.2
15°	724.8	757.6	794.4	838.5	891.5	930.3	966.5	1016.8	1051.1	1085.5	1131.7
17.5°	713.5	753.5	799.6	856.7	901.1	953.1	1007.5	1047.3	1093.6	1142.0	1183.8
20°	704.5	751.1	802.6	858.8	915.3	971.8	1024.6	1072.0	1119.8	1175.7	1210.1
22.5°	695.5	741.5	795.1	854.8	915.5	975.0	1034.8	1090.5	1144.3	1200.7	1244.6
25°	676.4	731.0	789.1	850.0	910.0	975.5	1046.8	1108.9	1175.4	1233.5	1275.0
27.5°	657.0	707.1	764.9	826.7	893.3	970.9	1054.6	1125.3	1191.9	1233.5	1246.5
30°	639.5	692.6	745.7	808.5	880.6	967.1	1056.1	1137.0	1191.6	1209.7	1196.3
32.5°	621.8	669.9	722.5	786.8	863.4	957.9	1058.1	1130.0	1162.9	1149.1	1094.4
35°	590.5	633.9	684.9	749.2	837.2	952.8	1049.9	1098.6	1090.5	1012.4	909.3
37.5°	557.0	592.4	639.5	706.8	810.1	932.5	1014.4	1021.6	951.3	831.4	712.4
40°	530.5	562.4	610.8	681.1	789.1	912.5	978.7	949.7	840.7	707.3	608.0
42.5°	504.8	531.7	578.3	654.1	769.2	885.3	925.4	862.2	736.5	610.3	520.1
45°	461.2	486.5	533.4	611.1	728.2	833.2	827.9	718.0	592.1	490.6	415.6
47.5°	419.9	442.0	486.0	565.3	680.2	755.0	705.4	588.5	481.7	400.3	346.8
50°	390.7	412.5	456.2	534.6	641.7	696.3	625.5	512.7	415.0	347.6	305.1
52.5°	362.6	384.0	424.0	500.3	595.3	627.9	551.8	447.3	365.8	307.6	271.1
55°	323.5	339.7	375.7	448.7	519.6	527.1	450.0	362.6	295.4	254.8	229.8
57.5°	283.6	297.6	333.0	391.3	441.0	437.1	363.9	288.4	243.1	213.0	194.9
60°	257.6	271.3	302.6	352.5	390.0	376.9	309.8	248.9	210.2	188.0	173.7
62.5°	233.4	244.1	273.4	309.8	336.8	322.0	264.8	214.4	183.7	165.0	153.6
65°	198.3	207.0	230.5	249.5	264.5	250.1	202.7	167.7	145.5	132.4	124.6
67.5°	164.9	170.5	185.3	192.2	202.8	187.0	152.4	129.0	116.3	105.3	99.9
70°	144.0	148.1	155.8	161.4	164.3	148.1	122.4	105.3	94.7	86.8	83.4
72.5°	122.9	126.5	128.1	132.7	131.3	116.0	98.4	84.8	77.1	71.8	67.4
75°	94.0	95.6	94.0	92.1	88.1	77.5	65.3	58.4	52.7	50.3	48.8
77.5°	68.5	68.0	65.9	62.9	56.0	49.3	42.8	40.4	38.1	36.7	36.2
80°	52.7	51.5	49.7	45.0	39.1	34.3	32.8	31.2	30.3	28.7	28.5
82.5°	39.3	38.6	35.4	31.5	27.3	25.1	23.8	23.2	22.3	21.5	21.4
85°	21.0	20.0	16.6	14.3	13.8	13.1	12.8	12.8	11.6	11.3	11.3
87.5°	7.1	5.8	5.9	5.3	5.5	5.2	5.8	5.5	5.5	5.7	5.3
90°	1.9	2.8	4.2	5.1	6.0	7.4	8.8	10.2	11.7	11.2	11.7
92.5°	8.6	12.5	16.1	20.0	26.9	39.1	59.0	78.7	71.5	54.0	39.1
95°	17.2	22.3	30.2	42.3	60.4	100.0	169.3	245.6	275.7	223.6	167.4
97.5°	27.5	31.5	38.3	50.2	69.9	107.6	185.7	312.8	427.4	457.2	417.4
100°	34.9	38.2	44.7	55.8	73.9	106.5	175.3	297.6	440.3	532.0	548.3
102.5°	43.0	46.0	52.1	62.1	78.8	107.9	166.4	275.3	416.2	535.7	591.8
105°	55.4	58.1	63.7	72.6	87.0	112.1	160.0	247.9	373.9	507.4	604.5
107.5°	67.8	70.5	76.0	84.3	97.7	119.7	159.5	230.4	336.5	457.7	567.9
110°	76.7	79.1	84.1	92.0	105.1	126.0	161.3	223.6	315.3	426.4	532.9

TEST NUMBER: P332278-930

CATALOG NUMBER: S123RDIP-S560D585U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	85.0	87.2	92.4	100.3	112.9	132.3	165.1	220.0	301.2	399.3	498.3
115°	97.2	100.0	104.6	112.5	125.1	142.8	171.1	218.6	286.0	366.5	452.5
117.5°	109.3	111.6	115.9	124.7	136.3	153.8	179.1	219.4	277.0	346.7	419.2
120°	116.8	119.0	123.7	132.6	144.1	160.9	185.1	220.9	273.0	336.2	401.8
122.5°	123.8	126.1	131.1	139.6	152.0	168.4	190.7	223.5	270.4	327.7	388.0
125°	133.5	136.2	141.4	150.2	162.7	179.0	199.5	227.4	266.9	316.7	369.7
127.5°	141.6	145.1	150.3	160.0	172.6	188.3	206.8	231.9	265.2	307.0	353.7
130°	146.5	150.7	156.2	166.0	178.6	193.9	211.6	234.8	264.2	301.8	343.6
132.5°	150.6	155.2	161.8	171.6	183.8	198.8	216.1	237.1	263.7	296.9	334.4
135°	157.2	162.3	169.3	179.0	191.6	206.0	221.8	240.4	263.2	290.7	321.8
137.5°	163.4	168.4	175.9	185.6	197.1	211.0	226.1	242.6	262.2	285.2	310.4
140°	167.9	172.5	179.9	189.2	200.9	214.3	228.4	244.1	261.8	281.8	303.7
142.5°	171.9	177.0	183.7	193.0	203.9	217.0	230.6	245.2	261.1	278.8	297.3
145°	178.6	182.8	189.7	197.6	208.3	220.5	233.0	246.0	259.9	274.8	289.7
147.5°	185.2	189.4	195.4	203.0	212.1	223.2	234.5	246.0	258.2	270.9	283.5
150°	189.7	193.5	199.5	206.0	214.3	225.1	234.8	246.0	256.7	268.3	279.0
152.5°	194.2	198.0	203.3	209.0	217.0	226.2	235.6	244.9	254.9	265.4	274.9
155°	201.4	204.2	208.8	213.9	220.5	228.4	235.8	243.7	251.6	260.9	268.8
157.5°	207.5	209.7	213.9	218.2	223.2	229.5	236.3	242.1	248.7	255.8	262.3
160°	211.6	213.4	217.2	220.5	225.1	230.6	236.3	241.3	246.5	252.5	258.5
162.5°	214.9	216.5	219.4	222.3	226.2	231.1	235.9	239.9	244.3	249.2	254.1
165°	219.5	220.5	222.7	224.6	227.9	231.5	234.8	237.7	240.9	244.6	248.3
167.5°	223.2	223.6	225.4	226.7	228.8	231.5	234.1	235.4	237.5	240.3	243.3
170°	225.1	225.5	226.9	227.9	228.8	231.1	233.0	233.9	235.3	237.7	239.9
172.5°	226.9	227.1	228.0	228.6	229.2	231.1	232.6	232.8	233.4	235.1	237.0
175°	228.8	228.4	229.3	229.3	229.8	230.6	231.5	231.1	231.1	232.0	233.0
177.5°	229.8	229.3	229.8	229.8	229.8	230.1	230.8	230.1	229.8	230.1	230.5
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	769.5	769.5	770.5	774.2	774.7	778.0	776.9
5°	845.6	851.6	853.8	863.2	868.8	871.2	866.3
7.5°	938.8	955.5	963.5	973.3	981.9	984.6	977.8
10°	1006.8	1024.3	1038.9	1048.0	1056.5	1062.0	1069.3
12.5°	1072.4	1094.0	1107.9	1120.7	1129.4	1136.5	1137.7
15°	1143.9	1176.3	1201.0	1219.1	1228.2	1232.9	1231.0
17.5°	1215.9	1245.9	1263.6	1282.0	1294.5	1295.2	1295.6
20°	1256.6	1286.0	1306.3	1320.0	1334.1	1333.4	1336.5
22.5°	1283.9	1306.9	1322.5	1332.4	1337.3	1334.9	1335.5
25°	1296.6	1303.4	1300.6	1284.7	1280.7	1266.0	1268.4
27.5°	1230.9	1198.4	1164.8	1121.5	1087.4	1060.2	1061.6
30°	1141.7	1084.2	1018.6	963.7	914.4	900.6	871.2
32.5°	1017.0	930.8	854.0	802.8	760.4	748.9	723.3
35°	805.7	721.9	642.9	595.5	576.7	550.6	550.2
37.5°	626.2	552.5	510.8	475.2	456.5	440.6	439.0
40°	526.8	469.4	437.8	412.2	393.8	381.9	379.1
42.5°	457.4	410.9	381.3	365.5	351.3	345.2	340.6
45°	373.5	342.3	321.6	307.3	300.7	296.0	293.5
47.5°	312.4	291.5	277.4	267.9	262.5	257.6	258.9
50°	279.2	262.0	251.7	242.6	238.6	235.1	235.5
52.5°	252.4	237.0	228.7	222.2	217.1	214.7	213.4
55°	214.3	204.6	196.1	191.4	188.6	185.2	184.3
57.5°	182.7	175.2	168.4	163.1	162.4	159.1	159.5
60°	161.8	155.5	149.9	147.1	144.9	142.1	143.0
62.5°	144.6	139.3	134.1	131.8	129.6	127.6	128.0
65°	118.4	113.3	110.2	109.0	108.0	107.1	106.2
67.5°	94.3	91.2	89.3	86.6	84.7	84.4	83.4
70°	79.3	75.3	71.8	68.4	67.4	67.1	67.4
72.5°	63.6	61.0	60.1	58.4	58.2	57.4	58.0
75°	47.8	46.9	46.2	45.0	45.0	45.0	45.0
77.5°	35.2	34.7	34.3	34.0	33.8	33.3	33.3
80°	27.5	27.1	26.6	26.6	26.3	26.6	26.3
82.5°	20.7	20.7	20.1	20.1	19.7	19.6	19.7
85°	10.6	10.3	10.9	10.3	10.6	10.0	10.6
87.5°	5.4	5.5	5.5	5.4	5.2	5.8	5.2
90°	12.1	12.6	13.5	13.0	13.5	13.9	13.5
92.5°	31.1	27.5	25.0	24.2	22.7	23.2	22.4
95°	113.5	88.8	72.1	63.3	59.0	55.8	54.0
97.5°	334.3	274.3	218.7	184.3	163.4	150.8	146.8
100°	510.6	456.2	390.1	343.2	309.2	291.1	291.6
102.5°	590.6	558.9	517.0	480.5	453.6	438.4	427.7
105°	651.0	659.9	647.8	626.4	608.7	593.9	591.5
107.5°	643.4	684.1	700.7	701.1	695.1	690.1	685.8
110°	618.5	677.1	709.6	722.7	726.4	725.5	724.5

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	585.7	651.4	693.2	717.1	728.6	732.1	732.3
115°	533.4	601.8	652.4	687.3	707.8	717.1	719.4
117.5°	489.1	550.5	601.9	638.3	661.7	675.1	678.2
120°	464.6	520.3	567.4	604.1	630.1	641.2	644.1
122.5°	444.8	496.5	540.1	572.8	596.2	608.5	612.0
125°	420.4	465.0	502.2	532.0	552.4	564.1	567.4
127.5°	398.9	439.2	473.0	499.5	517.0	527.5	530.5
130°	385.5	423.1	454.8	479.5	496.2	506.0	509.6
132.5°	372.8	407.9	438.1	461.2	477.9	486.6	489.2
135°	354.8	385.1	411.6	434.3	448.3	456.6	459.9
137.5°	337.5	363.5	386.5	405.6	419.7	426.8	428.9
140°	327.3	349.7	369.7	387.3	400.4	407.8	407.3
142.5°	317.7	337.0	354.4	369.5	381.1	387.8	387.3
145°	305.1	319.9	333.5	345.0	354.8	358.6	359.5
147.5°	295.6	307.7	317.2	326.0	332.6	336.2	336.6
150°	289.7	299.5	308.3	315.3	320.4	323.2	323.2
152.5°	284.1	292.8	300.1	305.6	310.4	312.0	312.0
155°	276.2	283.2	288.8	292.9	296.7	297.6	298.1
157.5°	268.5	273.9	278.3	281.9	284.7	285.4	285.4
160°	263.7	268.3	271.6	274.8	277.6	277.6	277.1
162.5°	258.4	262.8	265.6	267.7	270.2	270.2	269.7
165°	251.1	254.4	256.7	258.5	260.4	259.9	259.9
167.5°	245.4	247.3	249.0	249.8	251.1	250.6	250.6
170°	241.3	243.2	244.1	244.6	245.6	245.1	245.1
172.5°	238.0	239.5	240.0	240.1	241.1	240.3	239.9
175°	233.4	234.4	234.4	234.4	234.8	234.4	233.9
177.5°	230.8	231.2	231.2	230.8	231.2	230.5	230.5
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8

(END OF REPORT)