

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: P332278-940

Luminaire Tested: **S123RDIP-S560D585U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332278-940  
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-S560D585U940-4F0-1E-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: 3878.7 lumens  
Efficiency: N/A  
Efficacy: 118.3 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

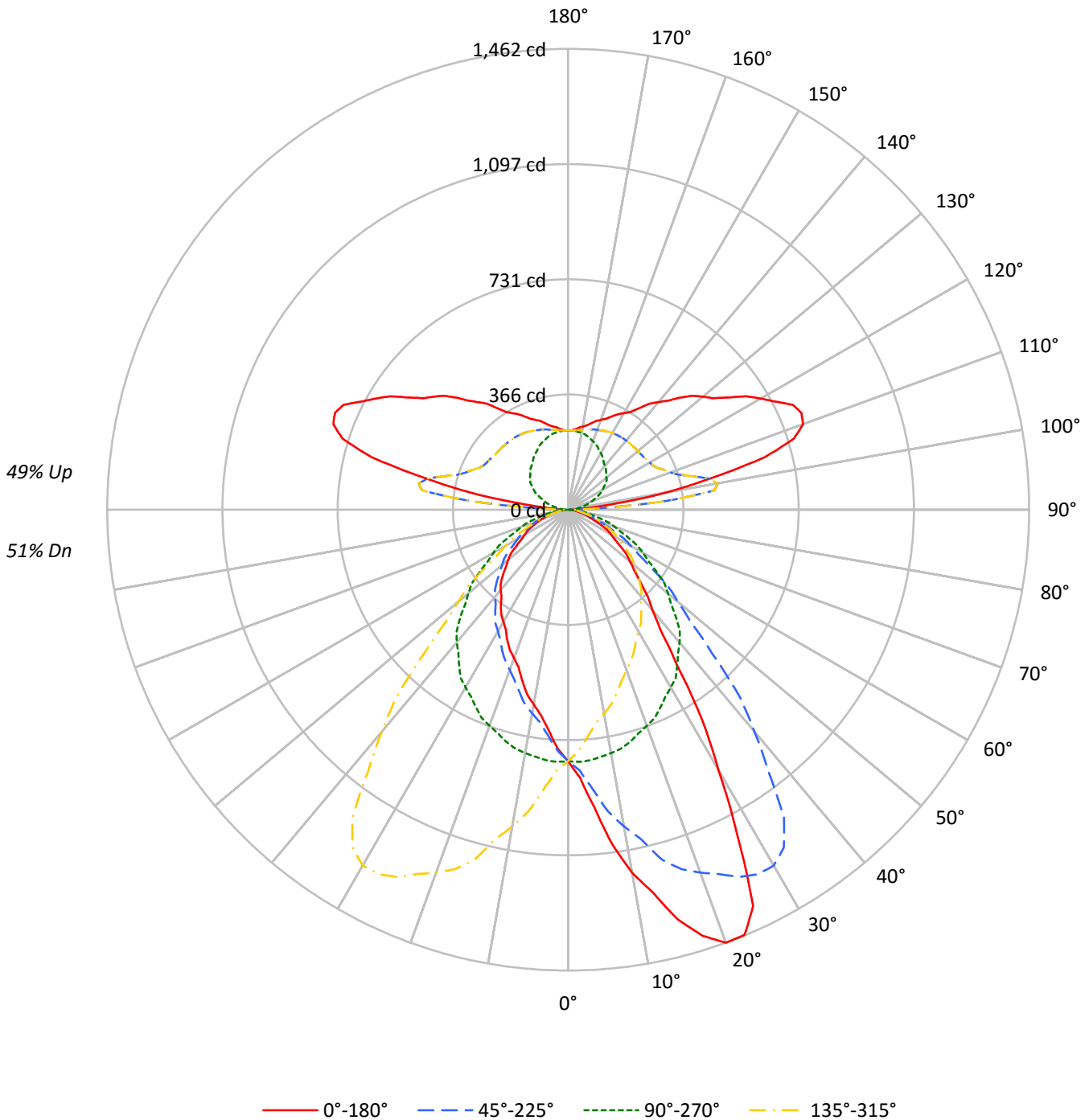
Input Watts (W): 32.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	95	91	88	91	88	84	82	75	72	70	63	61	60	52	51	50	44
2	90	83	77	73	83	77	72	68	66	62	59	56	53	51	46	44	43	38
3	83	74	67	61	76	69	62	57	59	54	50	50	46	44	41	39	37	33
4	76	66	58	52	70	61	54	49	53	47	43	45	41	38	37	35	32	29
5	70	59	51	45	65	55	48	43	47	42	38	40	36	33	34	31	29	25
6	65	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	25	23
7	60	48	40	35	55	45	38	33	39	34	30	34	29	26	28	25	23	20
8	56	44	36	31	51	41	34	29	36	30	26	31	27	23	26	23	21	18
9	52	40	33	28	48	37	31	26	33	27	24	28	24	21	24	21	19	17
10	49	37	30	25	45	34	28	24	30	25	21	26	22	19	23	19	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8587	8587	8587	8587
5°	10237	8625	7595	8625
10°	12783	8575	6862	8575
15°	15004	8487	6257	8487
20°	16745	8356	5743	8356
25°	16476	8219	5428	8219
30°	11844	8090	5102	8090
35°	7908	7926	4892	7926
40°	5826	7727	4675	7727
45°	4886	7377	4460	7377
50°	4312	6921	4163	6921
55°	3781	6397	3755	6397
60°	3367	5896	3442	5896
65°	2957	5359	3202	5359
70°	2319	4881	2924	4881
75°	2046	4263	2670	4263
80°	1779	3620	2628	3620
85°	1433	2902	2791	2902



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.5	2.0
10°-20°	245.1	6.3
20°-30°	385.1	9.9
30°-40°	401.8	10.4
40°-50°	343.8	8.9
50°-60°	262.1	6.8
60°-70°	168.0	4.3
70°-80°	80.8	2.1
80°-90°	23.3	0.6
90°-100°	139.8	3.6
100°-110°	395.9	10.2
110°-120°	389.5	10.0
120°-130°	310.7	8.0
130°-140°	244.9	6.3
140°-150°	182.8	4.7
150°-160°	127.4	3.3
160°-170°	74.9	1.9
170°-180°	24.4	0.6
0°-30°	708.7	18.3
0°-40°	1110.4	28.6
0°-60°	1716.3	44.2
0°-90°	1988.4	51.3
90°-120°	925.2	23.9
90°-150°	1663.7	42.9
90°-180°	1890.0	48.7
0°-180°	3878.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	798	798	798	798	798	
5°	947	798	703	798	947	98
15°	1346	762	562	762	1346	382
25°	1387	692	457	692	1387	596
35°	602	603	372	603	602	395
45°	321	485	293	485	321	252
55°	202	341	200	341	202	182
65°	116	210	126	210	116	114
75°	49	102	64	102	49	53
85°	12	24	23	24	12	14
90°	15	1	15	1	15	8
95°	59	17	59	17	59	106
105°	647	59	647	59	647	638
115°	787	104	787	104	787	764
125°	620	145	620	145	620	562
135°	503	170	503	170	503	390
145°	393	194	393	194	393	250
155°	326	220	326	220	326	152
165°	284	241	284	241	284	81
175°	256	251	256	251	256	25
180°	251	251	251	251	251	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	849.7	850.9	847.3	846.8	842.7	841.6	841.6	835.8	832.2	827.6	824.9
5°	947.4	952.9	950.2	944.1	933.8	931.4	924.9	914.6	903.0	888.7	881.9
7.5°	1069.4	1076.9	1074.0	1064.5	1053.8	1045.1	1026.8	1009.8	986.0	965.1	947.2
10°	1169.5	1161.5	1155.5	1146.2	1136.3	1120.3	1101.2	1074.9	1044.5	1020.6	993.9
12.5°	1244.3	1243.0	1235.2	1225.7	1211.7	1196.5	1173.0	1140.9	1105.6	1071.0	1040.6
15°	1346.4	1348.4	1343.3	1333.4	1313.6	1286.6	1251.1	1237.8	1187.2	1149.6	1112.1
17.5°	1417.0	1416.6	1415.9	1402.1	1382.0	1362.7	1329.8	1294.8	1249.0	1196.1	1145.5
20°	1461.8	1458.4	1459.1	1443.7	1428.7	1406.5	1374.4	1323.5	1285.9	1224.8	1172.5
22.5°	1460.7	1460.0	1462.6	1457.3	1446.4	1429.4	1404.2	1361.2	1313.2	1251.5	1192.8
25°	1387.3	1384.6	1400.7	1405.1	1422.5	1425.6	1418.1	1394.5	1349.1	1285.6	1212.8
27.5°	1161.1	1159.6	1189.4	1226.6	1274.0	1310.7	1346.2	1363.3	1349.1	1303.6	1230.7
30°	952.9	985.0	1000.1	1054.0	1114.1	1185.8	1248.7	1308.4	1323.1	1303.3	1243.6
32.5°	791.1	819.1	831.7	878.1	934.1	1018.1	1112.3	1196.9	1256.8	1271.9	1235.9
35°	601.8	602.2	630.8	651.3	703.2	789.6	881.2	994.5	1107.2	1192.7	1201.6
37.5°	480.2	481.9	499.3	519.7	558.7	604.3	684.9	779.2	909.4	1040.4	1117.3
40°	414.6	417.7	430.7	450.8	478.8	513.4	576.2	664.9	773.6	919.4	1038.7
42.5°	372.6	377.6	384.2	399.8	417.1	449.4	500.2	568.8	667.5	805.5	943.0
45°	321.0	323.8	328.9	336.1	351.8	374.3	408.5	454.6	536.5	647.6	785.2
47.5°	283.2	281.8	287.1	293.0	303.4	318.8	341.7	379.3	437.8	526.8	643.6
50°	257.5	257.2	260.9	265.4	275.3	286.6	305.3	333.7	380.1	453.9	560.8
52.5°	233.4	234.8	237.5	243.0	250.1	259.2	276.1	296.5	336.4	400.1	489.2
55°	201.5	202.5	206.3	209.4	214.5	223.7	234.3	251.4	278.7	323.1	396.5
57.5°	174.4	174.0	177.6	178.3	184.1	191.6	199.8	213.1	232.9	265.9	315.4
60°	156.4	155.4	158.5	160.9	163.9	170.0	176.9	189.9	205.6	229.9	272.2
62.5°	140.0	139.6	141.8	144.2	146.7	152.3	158.1	168.0	180.5	200.9	234.5
65°	116.1	117.2	118.2	119.2	120.6	123.9	129.5	136.3	144.8	159.2	183.4
67.5°	91.2	92.3	92.6	94.7	97.6	99.8	103.2	109.2	115.2	127.2	141.1
70°	73.7	73.4	73.7	74.8	78.6	82.3	86.8	91.2	95.0	103.5	115.1
72.5°	63.4	62.8	63.7	63.8	65.7	66.7	69.6	73.7	78.6	84.4	92.7
75°	49.2	49.2	49.2	49.2	50.6	51.3	52.3	53.3	55.0	57.7	63.8
77.5°	36.4	36.4	36.9	37.2	37.5	37.9	38.5	39.6	40.1	41.6	44.2
80°	28.7	29.1	28.7	29.1	29.1	29.7	30.1	31.1	31.4	33.2	34.2
82.5°	21.6	21.4	21.6	21.9	21.9	22.6	22.6	23.5	23.5	24.3	25.4
85°	11.6	11.0	11.6	11.2	11.9	11.2	11.6	12.3	12.3	12.7	14.0
87.5°	5.7	6.3	5.7	5.9	6.0	6.1	5.9	5.8	6.2	6.1	6.1
90°	14.7	15.2	14.7	14.3	14.7	13.7	13.2	12.8	12.2	12.8	11.1
92.5°	24.5	25.4	24.9	26.5	27.4	30.1	34.0	42.8	59.0	78.2	86.1
95°	59.0	61.0	64.6	69.2	78.8	97.1	124.1	183.1	244.6	301.6	268.6
97.5°	160.6	165.0	178.7	201.6	239.2	300.0	365.6	456.5	500.1	467.4	342.1
100°	318.9	318.4	338.2	375.3	426.7	498.9	558.5	599.7	581.8	481.6	325.5
102.5°	467.8	479.5	496.1	525.5	565.4	611.3	646.0	647.3	585.9	455.2	301.1
105°	646.9	649.5	665.8	685.1	708.5	721.8	712.0	661.2	554.9	408.9	271.1
107.5°	750.1	754.7	760.3	766.8	766.3	748.2	703.7	621.1	500.6	368.0	252.0
110°	792.4	793.4	794.4	790.4	776.1	740.6	676.5	582.8	466.4	344.8	244.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	800.9	800.8	796.9	784.3	758.2	712.5	640.6	545.0	436.7	329.4	240.6
115°	786.8	784.3	774.1	751.7	713.5	658.2	583.4	494.9	400.8	312.8	239.1
117.5°	741.8	738.4	723.7	698.1	658.4	602.1	534.9	458.5	379.2	303.0	240.0
120°	704.5	701.3	689.2	660.7	620.5	569.1	508.1	439.4	367.7	298.5	241.6
122.5°	669.4	665.6	652.1	626.5	590.8	543.1	486.5	424.4	358.4	295.7	244.4
125°	620.5	617.0	604.2	581.8	549.3	508.6	459.8	404.3	346.3	291.9	248.7
127.5°	580.2	576.9	565.4	546.4	517.4	480.4	436.3	386.8	335.8	290.1	253.6
130°	557.4	553.4	542.7	524.4	497.4	462.8	421.6	375.9	330.1	288.9	256.8
132.5°	535.0	532.2	522.7	504.4	479.1	446.1	407.8	365.7	324.8	288.5	259.3
135°	503.0	499.4	490.3	475.0	450.1	421.2	388.1	352.0	317.9	287.8	263.0
137.5°	469.1	466.8	459.1	443.6	422.7	397.5	369.1	339.5	311.9	286.8	265.4
140°	445.5	446.0	437.9	423.7	404.3	382.5	358.0	332.2	308.2	286.3	267.0
142.5°	423.6	424.1	416.8	404.1	387.6	368.6	347.5	325.2	305.0	285.5	268.2
145°	393.2	392.2	388.1	377.4	364.7	349.9	333.7	316.8	300.6	284.3	269.0
147.5°	368.1	367.7	363.8	356.6	347.0	336.5	323.3	310.0	296.3	282.4	269.0
150°	353.5	353.5	350.4	344.8	337.2	327.5	316.8	305.1	293.5	280.7	269.0
152.5°	341.3	341.3	339.5	334.2	328.2	320.2	310.8	300.7	290.3	278.7	267.9
155°	326.0	325.5	324.5	320.4	315.8	309.8	302.1	294.0	285.3	275.2	266.5
157.5°	312.1	312.2	311.4	308.4	304.3	299.6	293.6	286.9	279.8	272.0	264.7
160°	303.1	303.6	303.6	300.6	297.0	293.5	288.4	282.8	276.2	269.6	263.9
162.5°	295.0	295.5	295.5	292.8	290.5	287.4	282.7	277.9	272.5	267.2	262.3
165°	284.3	284.3	284.8	282.8	280.7	278.2	274.6	271.6	267.5	263.5	259.9
167.5°	274.1	274.1	274.6	273.2	272.3	270.5	268.4	266.1	262.8	259.8	257.4
170°	268.0	268.0	268.6	267.5	267.0	266.0	263.9	262.4	259.9	257.3	255.8
172.5°	262.3	262.8	263.7	262.6	262.5	261.9	260.3	259.2	257.1	255.3	254.6
175°	255.8	256.4	256.8	256.4	256.4	256.4	255.3	254.9	253.8	252.8	252.8
177.5°	252.1	252.1	252.9	252.4	252.9	252.9	252.4	252.1	251.6	251.3	251.6
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	823.8	823.0	819.1	814.8	809.0	805.2	802.2	800.6	795.7	789.6	785.5
5°	874.7	864.4	853.5	840.2	827.9	815.3	807.4	798.2	786.9	774.3	765.4
7.5°	929.2	909.1	887.4	865.1	843.0	823.2	805.7	790.8	772.8	754.7	742.0
10°	971.0	941.6	911.2	880.1	851.8	825.2	804.7	784.5	763.0	742.2	726.5
12.5°	1009.0	970.4	935.3	897.1	860.9	829.0	799.5	775.8	749.9	727.7	709.8
15°	1057.0	1017.4	975.1	917.0	868.9	828.6	792.7	761.6	730.2	702.9	685.5
17.5°	1102.0	1042.4	985.5	937.0	874.5	824.1	780.3	743.2	708.7	679.8	658.3
20°	1120.6	1062.9	1001.0	939.2	877.8	821.4	770.5	729.5	693.7	660.8	641.1
22.5°	1131.8	1066.4	1001.3	934.9	869.6	811.0	760.7	715.6	676.7	645.6	621.2
25°	1144.9	1066.9	995.2	929.7	863.1	799.5	739.8	692.0	650.0	616.8	590.8
27.5°	1153.4	1061.8	977.0	904.2	836.6	773.4	718.6	667.9	625.3	590.2	562.4
30°	1155.1	1057.7	963.1	884.2	815.6	757.5	699.5	650.9	605.9	568.6	542.7
32.5°	1157.3	1047.7	944.3	860.5	790.2	732.7	680.1	633.7	587.5	550.9	524.4
35°	1148.3	1042.1	915.7	819.4	749.0	693.3	645.9	603.2	557.8	522.2	495.3
37.5°	1109.5	1019.8	886.0	773.0	699.5	647.9	609.2	572.0	530.4	492.0	466.6
40°	1070.4	998.0	863.1	744.9	668.1	615.1	580.2	549.9	509.6	473.7	446.4
42.5°	1012.2	968.2	841.2	715.4	632.5	581.5	552.1	523.6	488.3	451.8	426.1
45°	905.4	911.2	796.5	668.4	583.4	532.1	504.4	484.6	453.3	423.2	396.9
47.5°	771.5	825.8	744.0	618.3	531.5	483.4	459.2	441.9	420.8	391.3	367.3
50°	684.1	761.6	701.9	584.7	499.0	451.2	427.3	413.3	394.8	371.6	348.7
52.5°	603.5	686.8	651.0	547.2	463.8	420.0	396.6	385.1	370.5	348.7	328.0
55°	492.1	576.5	568.3	490.8	410.9	371.6	353.8	340.9	330.9	314.6	298.2
57.5°	398.1	478.0	482.3	427.9	364.3	325.5	310.2	300.4	293.9	281.6	266.4
60°	338.9	412.2	426.6	385.6	330.9	296.8	281.8	273.9	268.8	258.9	247.3
62.5°	289.6	352.1	368.4	338.9	299.0	267.0	255.3	247.7	244.2	235.7	225.4
65°	221.7	273.6	289.3	272.9	252.1	226.4	216.9	210.4	207.3	202.5	195.0
67.5°	166.7	204.6	221.8	210.2	202.7	186.5	180.4	176.9	174.2	170.9	164.6
70°	133.8	161.9	179.7	176.6	170.4	161.9	157.5	155.1	152.3	149.6	144.1
72.5°	107.6	126.9	143.6	145.2	140.1	138.4	134.5	133.5	131.8	128.6	125.6
75°	71.4	84.7	96.3	100.8	102.8	104.5	102.8	102.5	102.1	99.4	97.6
77.5°	46.8	53.9	61.3	68.8	72.1	74.4	74.9	76.2	75.3	73.8	73.0
80°	35.8	37.5	42.7	49.2	54.3	56.4	57.7	58.4	58.1	57.7	56.4
82.5°	26.0	27.5	29.9	34.4	38.7	42.2	43.0	42.8	43.6	43.8	42.7
85°	14.0	14.4	15.1	15.7	18.1	21.8	22.9	23.5	24.3	24.3	22.2
87.5°	6.3	5.7	6.0	5.8	6.4	6.3	7.8	8.9	9.5	8.6	8.8
90°	9.6	8.1	6.6	5.6	4.5	3.0	2.1	1.0	2.1	3.0	4.5
92.5°	64.6	42.7	29.4	21.8	17.6	13.6	9.4	6.3	9.4	13.6	17.6
95°	185.1	109.3	66.1	46.3	33.1	24.4	18.8	17.3	18.8	24.4	33.1
97.5°	203.1	117.7	76.4	54.9	41.9	34.4	30.1	29.5	30.1	34.4	41.9
100°	191.7	116.5	80.9	61.0	48.9	41.7	38.2	37.6	38.2	41.7	48.9
102.5°	182.0	118.1	86.1	67.9	57.0	50.3	47.1	46.2	47.1	50.3	57.0
105°	175.0	122.6	95.1	79.4	69.6	63.6	60.5	59.0	60.5	63.6	69.6
107.5°	174.4	130.9	106.8	92.2	83.1	77.1	74.2	72.6	74.2	77.1	83.1
110°	176.5	137.9	114.9	100.7	92.0	86.5	83.9	82.4	83.9	86.5	92.0





TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	180.6	144.7	123.5	109.7	101.0	95.4	92.9	91.3	92.9	95.4	101.0
115°	187.2	156.1	136.8	123.1	114.4	109.3	106.3	104.2	106.3	109.3	114.4
117.5°	195.9	168.3	149.1	136.4	126.7	122.1	119.5	117.2	119.5	122.1	126.7
120°	202.4	175.9	157.7	145.0	135.3	130.2	127.7	126.2	127.7	130.2	135.3
122.5°	208.6	184.1	166.2	152.7	143.4	137.9	135.4	133.8	135.4	137.9	143.4
125°	218.2	195.8	178.0	164.3	154.6	149.0	146.0	145.0	146.0	149.0	154.6
127.5°	226.1	206.0	188.8	175.0	164.3	158.7	154.9	153.4	154.9	158.7	164.3
130°	231.4	212.0	195.3	181.6	170.9	164.8	160.2	158.7	160.2	164.8	170.9
132.5°	236.3	217.4	201.0	187.7	177.0	169.7	164.7	162.7	164.7	169.7	177.0
135°	242.6	225.3	209.6	195.8	185.1	177.5	171.9	169.9	171.9	177.5	185.1
137.5°	247.3	230.8	215.6	203.0	192.3	184.2	178.7	176.6	178.7	184.2	192.3
140°	249.8	234.4	219.7	207.0	196.8	188.7	183.6	181.1	183.6	188.7	196.8
142.5°	252.2	237.3	223.0	211.1	200.9	193.6	188.1	185.9	188.1	193.6	200.9
145°	254.9	241.1	227.8	216.2	207.5	199.9	195.3	193.8	195.3	199.9	207.5
147.5°	256.5	244.2	232.0	222.0	213.7	207.1	202.6	201.7	202.6	207.1	213.7
150°	256.8	246.2	234.4	225.3	218.2	211.6	207.5	207.0	207.5	211.6	218.2
152.5°	257.7	247.4	237.3	228.5	222.3	216.5	212.4	212.3	212.4	216.5	222.3
155°	257.9	249.8	241.1	234.0	228.4	223.3	220.3	220.3	220.3	223.3	228.4
157.5°	258.4	251.0	244.2	238.6	233.9	229.3	226.9	226.5	226.9	229.3	233.9
160°	258.4	252.3	246.2	241.1	237.6	233.4	231.4	231.4	231.4	233.4	237.6
162.5°	258.0	252.7	247.4	243.1	240.0	236.7	235.1	235.1	235.1	236.7	240.0
165°	256.8	253.2	249.2	245.7	243.6	241.1	240.0	240.6	240.0	241.1	243.6
167.5°	256.0	253.2	250.2	248.0	246.6	244.6	244.2	244.8	244.2	244.6	246.6
170°	254.9	252.8	250.2	249.2	248.2	246.6	246.2	247.2	246.2	246.6	248.2
172.5°	254.4	252.8	250.7	250.0	249.4	248.3	248.2	248.8	248.2	248.3	249.4
175°	253.2	252.3	251.3	250.7	250.7	249.8	250.2	250.7	250.2	249.8	250.7
177.5°	252.4	251.6	251.3	251.3	251.3	250.8	251.3	251.6	251.3	250.8	251.3
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	784.2	780.6	778.2	772.7	769.2	765.4	761.5	763.9	763.7	763.4	763.4
5°	757.9	750.0	742.9	733.6	727.8	720.7	715.2	714.5	715.9	711.1	708.4
7.5°	731.8	721.0	710.9	700.7	689.9	681.3	675.9	673.4	669.9	667.0	663.9
10°	713.5	700.9	690.9	678.3	666.7	656.5	650.0	645.5	643.1	640.7	636.3
12.5°	694.6	682.2	669.6	655.3	644.3	632.4	627.6	622.6	618.0	615.3	609.2
15°	667.0	650.9	637.7	622.6	610.4	598.7	591.9	582.0	580.6	577.2	571.1
17.5°	639.4	622.0	603.6	592.5	578.5	566.5	556.1	552.8	543.0	539.3	534.0
20°	617.5	601.5	587.5	572.7	552.6	541.4	533.2	528.7	520.8	516.0	512.6
22.5°	598.7	582.3	566.1	549.0	532.4	519.8	513.7	506.8	502.6	495.9	492.1
25°	571.8	554.0	534.5	516.0	504.1	494.5	485.0	478.8	472.7	469.6	462.8
27.5°	540.5	521.9	503.7	489.7	475.0	465.6	456.9	451.5	444.1	438.9	435.2
30°	523.3	501.4	485.7	473.1	454.2	445.4	438.9	432.0	426.6	421.2	417.3
32.5°	503.3	483.3	468.4	452.8	438.4	428.7	420.3	414.3	409.7	404.5	400.7
35°	472.0	455.3	439.9	424.2	413.6	403.7	393.8	388.7	384.2	379.4	376.0
37.5°	443.7	428.1	413.5	398.6	385.5	377.4	369.4	365.5	359.5	356.3	352.8
40°	426.2	410.9	395.2	380.8	367.1	361.1	353.8	348.0	342.6	340.2	336.4
42.5°	407.2	391.7	378.5	363.0	351.9	343.5	336.9	330.6	326.5	323.0	320.8
45°	378.8	365.1	352.1	336.8	326.2	319.0	311.5	305.7	301.9	299.5	295.8
47.5°	351.2	337.6	324.4	311.0	300.8	292.6	285.1	281.0	276.1	273.1	270.5
50°	331.3	319.0	305.0	292.7	282.5	274.3	268.1	263.0	258.5	254.8	253.1
52.5°	313.0	299.9	287.8	276.3	265.6	256.2	250.7	245.2	241.9	237.6	235.6
55°	282.8	270.2	259.9	248.6	238.1	230.2	223.4	218.6	215.2	210.4	207.7
57.5°	254.4	243.1	230.9	221.1	210.2	203.6	197.9	191.4	187.3	183.5	180.8
60°	235.3	222.3	211.8	202.5	193.0	184.4	179.3	174.2	169.8	165.9	163.6
62.5°	215.3	204.0	194.0	184.0	175.2	167.7	161.8	157.5	153.6	151.2	148.8
65°	184.8	175.9	165.7	157.5	149.3	143.8	139.0	135.3	132.5	130.8	128.8
67.5°	156.7	148.0	139.1	131.0	125.6	121.4	118.2	115.0	113.7	111.5	110.1
70°	138.3	129.5	121.6	115.5	109.9	106.9	104.9	102.5	101.1	98.4	97.0
72.5°	118.4	112.0	106.3	101.2	96.8	94.1	91.5	88.5	86.3	83.4	81.9
75°	93.3	87.5	83.0	79.5	76.9	73.1	69.4	66.3	65.3	64.2	63.8
77.5°	69.0	65.4	62.2	59.3	55.9	53.1	52.3	51.6	51.5	50.9	50.9
80°	54.3	50.9	48.5	45.1	43.1	43.1	43.1	42.4	42.7	42.7	42.7
82.5°	40.4	37.2	35.9	34.7	34.3	34.6	34.6	34.7	34.5	35.0	34.8
85°	20.9	21.1	21.8	21.5	21.8	21.8	22.6	22.2	22.6	21.8	22.6
87.5°	8.7	9.8	10.3	11.0	11.5	11.6	11.8	11.9	12.2	12.3	12.5
90°	5.6	6.6	8.1	9.6	11.1	12.8	12.2	12.8	13.2	13.7	14.7
92.5°	21.8	29.4	42.7	64.6	86.1	78.2	59.0	42.8	34.0	30.1	27.4
95°	46.3	66.1	109.3	185.1	268.6	301.6	244.6	183.1	124.1	97.1	78.8
97.5°	54.9	76.4	117.7	203.1	342.1	467.4	500.1	456.5	365.6	300.0	239.2
100°	61.0	80.9	116.5	191.7	325.5	481.6	581.8	599.7	558.5	498.9	426.7
102.5°	67.9	86.1	118.1	182.0	301.1	455.2	585.9	647.3	646.0	611.3	565.4
105°	79.4	95.1	122.6	175.0	271.1	408.9	554.9	661.2	712.0	721.8	708.5
107.5°	92.2	106.8	130.9	174.4	252.0	368.0	500.6	621.1	703.7	748.2	766.3
110°	100.7	114.9	137.9	176.5	244.6	344.8	466.4	582.8	676.5	740.6	776.1



TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	109.7	123.5	144.7	180.6	240.6	329.4	436.7	545.0	640.6	712.5	758.2
115°	123.1	136.8	156.1	187.2	239.1	312.8	400.8	494.9	583.4	658.2	713.5
117.5°	136.4	149.1	168.3	195.9	240.0	303.0	379.2	458.5	534.9	602.1	658.4
120°	145.0	157.7	175.9	202.4	241.6	298.5	367.7	439.4	508.1	569.1	620.5
122.5°	152.7	166.2	184.1	208.6	244.4	295.7	358.4	424.4	486.5	543.1	590.8
125°	164.3	178.0	195.8	218.2	248.7	291.9	346.3	404.3	459.8	508.6	549.3
127.5°	175.0	188.8	206.0	226.1	253.6	290.1	335.8	386.8	436.3	480.4	517.4
130°	181.6	195.3	212.0	231.4	256.8	288.9	330.1	375.9	421.6	462.8	497.4
132.5°	187.7	201.0	217.4	236.3	259.3	288.5	324.8	365.7	407.8	446.1	479.1
135°	195.8	209.6	225.3	242.6	263.0	287.8	317.9	352.0	388.1	421.2	450.1
137.5°	203.0	215.6	230.8	247.3	265.4	286.8	311.9	339.5	369.1	397.5	422.7
140°	207.0	219.7	234.4	249.8	267.0	286.3	308.2	332.2	358.0	382.5	404.3
142.5°	211.1	223.0	237.3	252.2	268.2	285.5	305.0	325.2	347.5	368.6	387.6
145°	216.2	227.8	241.1	254.9	269.0	284.3	300.6	316.8	333.7	349.9	364.7
147.5°	222.0	232.0	244.2	256.5	269.0	282.4	296.3	310.0	323.3	336.5	347.0
150°	225.3	234.4	246.2	256.8	269.0	280.7	293.5	305.1	316.8	327.5	337.2
152.5°	228.5	237.3	247.4	257.7	267.9	278.7	290.3	300.7	310.8	320.2	328.2
155°	234.0	241.1	249.8	257.9	266.5	275.2	285.3	294.0	302.1	309.8	315.8
157.5°	238.6	244.2	251.0	258.4	264.7	272.0	279.8	286.9	293.6	299.6	304.3
160°	241.1	246.2	252.3	258.4	263.9	269.6	276.2	282.8	288.4	293.5	297.0
162.5°	243.1	247.4	252.7	258.0	262.3	267.2	272.5	277.9	282.7	287.4	290.5
165°	245.7	249.2	253.2	256.8	259.9	263.5	267.5	271.6	274.6	278.2	280.7
167.5°	248.0	250.2	253.2	256.0	257.4	259.8	262.8	266.1	268.4	270.5	272.3
170°	249.2	250.2	252.8	254.9	255.8	257.3	259.9	262.4	263.9	266.0	267.0
172.5°	250.0	250.7	252.8	254.4	254.6	255.3	257.1	259.2	260.3	261.9	262.5
175°	250.7	251.3	252.3	253.2	252.8	252.8	253.8	254.9	255.3	256.4	256.4
177.5°	251.3	251.3	251.6	252.4	251.6	251.3	251.6	252.1	252.4	252.9	252.9
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	760.1	759.8	760.1	759.0	760.1	759.8	760.1	763.4	763.4	763.7	763.9
5°	707.3	706.9	706.0	702.9	706.0	706.9	707.3	708.4	711.1	715.9	714.5
7.5°	661.2	660.8	657.7	657.8	657.7	660.8	661.2	663.9	667.0	669.9	673.4
10°	633.9	634.3	630.2	627.8	630.2	634.3	633.9	636.3	640.7	643.1	645.5
12.5°	607.4	605.8	602.5	599.9	602.5	605.8	607.4	609.2	615.3	618.0	622.6
15°	572.4	569.0	560.8	561.5	560.8	569.0	572.4	571.1	577.2	580.6	582.0
17.5°	531.2	528.7	528.6	523.8	528.6	528.7	531.2	534.0	539.3	543.0	552.8
20°	507.2	505.5	506.1	501.4	506.1	505.5	507.2	512.6	516.0	520.8	528.7
22.5°	488.3	486.6	483.8	482.2	483.8	486.6	488.3	492.1	495.9	502.6	506.8
25°	460.7	458.0	455.3	457.0	455.3	458.0	460.7	462.8	469.6	472.7	478.8
27.5°	433.1	431.1	428.4	428.0	428.4	431.1	433.1	435.2	438.9	444.1	451.5
30°	415.6	413.6	412.2	410.5	412.2	413.6	415.6	417.3	421.2	426.6	432.0
32.5°	397.9	397.5	395.0	394.7	395.0	397.5	397.9	400.7	404.5	409.7	414.3
35°	374.7	372.6	371.9	372.3	371.9	372.6	374.7	376.0	379.4	384.2	388.7
37.5°	352.6	349.9	348.7	347.4	348.7	349.9	352.6	352.8	356.3	359.5	365.5
40°	336.8	334.0	333.3	332.7	333.3	334.0	336.8	336.4	340.2	342.6	348.0
42.5°	319.0	317.9	317.5	316.3	317.5	317.9	319.0	320.8	323.0	326.5	330.6
45°	294.7	294.4	292.4	293.0	292.4	294.4	294.7	295.8	299.5	301.9	305.7
47.5°	269.2	267.7	266.3	267.2	266.3	267.7	269.2	270.5	273.1	276.1	281.0
50°	251.7	251.0	248.0	248.6	248.0	251.0	251.7	253.1	254.8	258.5	263.0
52.5°	234.3	231.7	230.5	230.1	230.5	231.7	234.3	235.6	237.6	241.9	245.2
55°	205.3	202.2	200.8	200.1	200.8	202.2	205.3	207.7	210.4	215.2	218.6
57.5°	176.8	176.0	175.0	175.7	175.0	176.0	176.8	180.8	183.5	187.3	191.4
60°	160.2	160.2	160.2	159.9	160.2	160.2	160.2	163.6	165.9	169.8	174.2
62.5°	147.3	146.5	146.2	146.7	146.2	146.5	147.3	148.8	151.2	153.6	157.5
65°	127.7	127.4	126.0	125.7	126.0	127.4	127.7	128.8	130.8	132.5	135.3
67.5°	109.2	108.0	107.6	107.1	107.6	108.0	109.2	110.1	111.5	113.7	115.0
70°	95.3	94.6	92.6	92.9	92.6	94.6	95.3	97.0	98.4	101.1	102.5
72.5°	80.3	79.5	79.2	78.6	79.2	79.5	80.3	81.9	83.4	86.3	88.5
75°	63.5	63.2	62.9	64.2	62.9	63.2	63.5	63.8	64.2	65.3	66.3
77.5°	50.9	50.9	51.1	50.6	51.1	50.9	50.9	50.9	50.9	51.5	51.6
80°	42.7	42.7	42.4	42.4	42.4	42.7	42.7	42.7	42.7	42.7	42.4
82.5°	34.2	34.5	34.7	34.2	34.7	34.5	34.2	34.8	35.0	34.5	34.7
85°	22.6	22.2	22.9	22.6	22.9	22.2	22.6	22.6	21.8	22.6	22.2
87.5°	12.9	12.5	12.6	12.8	12.6	12.5	12.9	12.5	12.3	12.2	11.9
90°	14.3	14.7	15.2	14.7	15.2	14.7	14.3	14.7	13.7	13.2	12.8
92.5°	26.5	24.9	25.4	24.5	25.4	24.9	26.5	27.4	30.1	34.0	42.8
95°	69.2	64.6	61.0	59.0	61.0	64.6	69.2	78.8	97.1	124.1	183.1
97.5°	201.6	178.7	165.0	160.6	165.0	178.7	201.6	239.2	300.0	365.6	456.5
100°	375.3	338.2	318.4	318.9	318.4	338.2	375.3	426.7	498.9	558.5	599.7
102.5°	525.5	496.1	479.5	467.8	479.5	496.1	525.5	565.4	611.3	646.0	647.3
105°	685.1	665.8	649.5	646.9	649.5	665.8	685.1	708.5	721.8	712.0	661.2
107.5°	766.8	760.3	754.7	750.1	754.7	760.3	766.8	766.3	748.2	703.7	621.1
110°	790.4	794.4	793.4	792.4	793.4	794.4	790.4	776.1	740.6	676.5	582.8



TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	784.3	796.9	800.8	800.9	800.8	796.9	784.3	758.2	712.5	640.6	545.0
115°	751.7	774.1	784.3	786.8	784.3	774.1	751.7	713.5	658.2	583.4	494.9
117.5°	698.1	723.7	738.4	741.8	738.4	723.7	698.1	658.4	602.1	534.9	458.5
120°	660.7	689.2	701.3	704.5	701.3	689.2	660.7	620.5	569.1	508.1	439.4
122.5°	626.5	652.1	665.6	669.4	665.6	652.1	626.5	590.8	543.1	486.5	424.4
125°	581.8	604.2	617.0	620.5	617.0	604.2	581.8	549.3	508.6	459.8	404.3
127.5°	546.4	565.4	576.9	580.2	576.9	565.4	546.4	517.4	480.4	436.3	386.8
130°	524.4	542.7	553.4	557.4	553.4	542.7	524.4	497.4	462.8	421.6	375.9
132.5°	504.4	522.7	532.2	535.0	532.2	522.7	504.4	479.1	446.1	407.8	365.7
135°	475.0	490.3	499.4	503.0	499.4	490.3	475.0	450.1	421.2	388.1	352.0
137.5°	443.6	459.1	466.8	469.1	466.8	459.1	443.6	422.7	397.5	369.1	339.5
140°	423.7	437.9	446.0	445.5	446.0	437.9	423.7	404.3	382.5	358.0	332.2
142.5°	404.1	416.8	424.1	423.6	424.1	416.8	404.1	387.6	368.6	347.5	325.2
145°	377.4	388.1	392.2	393.2	392.2	388.1	377.4	364.7	349.9	333.7	316.8
147.5°	356.6	363.8	367.7	368.1	367.7	363.8	356.6	347.0	336.5	323.3	310.0
150°	344.8	350.4	353.5	353.5	353.5	350.4	344.8	337.2	327.5	316.8	305.1
152.5°	334.2	339.5	341.3	341.3	341.3	339.5	334.2	328.2	320.2	310.8	300.7
155°	320.4	324.5	325.5	326.0	325.5	324.5	320.4	315.8	309.8	302.1	294.0
157.5°	308.4	311.4	312.2	312.1	312.2	311.4	308.4	304.3	299.6	293.6	286.9
160°	300.6	303.6	303.6	303.1	303.6	303.6	300.6	297.0	293.5	288.4	282.8
162.5°	292.8	295.5	295.5	295.0	295.5	295.5	292.8	290.5	287.4	282.7	277.9
165°	282.8	284.8	284.3	284.3	284.3	284.8	282.8	280.7	278.2	274.6	271.6
167.5°	273.2	274.6	274.1	274.1	274.1	274.6	273.2	272.3	270.5	268.4	266.1
170°	267.5	268.6	268.0	268.0	268.0	268.6	267.5	267.0	266.0	263.9	262.4
172.5°	262.6	263.7	262.8	262.3	262.8	263.7	262.6	262.5	261.9	260.3	259.2
175°	256.4	256.8	256.4	255.8	256.4	256.8	256.4	256.4	256.4	255.3	254.9
177.5°	252.4	252.9	252.1	252.1	252.1	252.9	252.4	252.9	252.9	252.4	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	761.5	765.4	769.2	772.7	778.2	780.6	784.2	785.5	789.6	795.7	800.6
5°	715.2	720.7	727.8	733.6	742.9	750.0	757.9	765.4	774.3	786.9	798.2
7.5°	675.9	681.3	689.9	700.7	710.9	721.0	731.8	742.0	754.7	772.8	790.8
10°	650.0	656.5	666.7	678.3	690.9	700.9	713.5	726.5	742.2	763.0	784.5
12.5°	627.6	632.4	644.3	655.3	669.6	682.2	694.6	709.8	727.7	749.9	775.8
15°	591.9	598.7	610.4	622.6	637.7	650.9	667.0	685.5	702.9	730.2	761.6
17.5°	556.1	566.5	578.5	592.5	603.6	622.0	639.4	658.3	679.8	708.7	743.2
20°	533.2	541.4	552.6	572.7	587.5	601.5	617.5	641.1	660.8	693.7	729.5
22.5°	513.7	519.8	532.4	549.0	566.1	582.3	598.7	621.2	645.6	676.7	715.6
25°	485.0	494.5	504.1	516.0	534.5	554.0	571.8	590.8	616.8	650.0	692.0
27.5°	456.9	465.6	475.0	489.7	503.7	521.9	540.5	562.4	590.2	625.3	667.9
30°	438.9	445.4	454.2	473.1	485.7	501.4	523.3	542.7	568.6	605.9	650.9
32.5°	420.3	428.7	438.4	452.8	468.4	483.3	503.3	524.4	550.9	587.5	633.7
35°	393.8	403.7	413.6	424.2	439.9	455.3	472.0	495.3	522.2	557.8	603.2
37.5°	369.4	377.4	385.5	398.6	413.5	428.1	443.7	466.6	492.0	530.4	572.0
40°	353.8	361.1	367.1	380.8	395.2	410.9	426.2	446.4	473.7	509.6	549.9
42.5°	336.9	343.5	351.9	363.0	378.5	391.7	407.2	426.1	451.8	488.3	523.6
45°	311.5	319.0	326.2	336.8	352.1	365.1	378.8	396.9	423.2	453.3	484.6
47.5°	285.1	292.6	300.8	311.0	324.4	337.6	351.2	367.3	391.3	420.8	441.9
50°	268.1	274.3	282.5	292.7	305.0	319.0	331.3	348.7	371.6	394.8	413.3
52.5°	250.7	256.2	265.6	276.3	287.8	299.9	313.0	328.0	348.7	370.5	385.1
55°	223.4	230.2	238.1	248.6	259.9	270.2	282.8	298.2	314.6	330.9	340.9
57.5°	197.9	203.6	210.2	221.1	230.9	243.1	254.4	266.4	281.6	293.9	300.4
60°	179.3	184.4	193.0	202.5	211.8	222.3	235.3	247.3	258.9	268.8	273.9
62.5°	161.8	167.7	175.2	184.0	194.0	204.0	215.3	225.4	235.7	244.2	247.7
65°	139.0	143.8	149.3	157.5	165.7	175.9	184.8	195.0	202.5	207.3	210.4
67.5°	118.2	121.4	125.6	131.0	139.1	148.0	156.7	164.6	170.9	174.2	176.9
70°	104.9	106.9	109.9	115.5	121.6	129.5	138.3	144.1	149.6	152.3	155.1
72.5°	91.5	94.1	96.8	101.2	106.3	112.0	118.4	125.6	128.6	131.8	133.5
75°	69.4	73.1	76.9	79.5	83.0	87.5	93.3	97.6	99.4	102.1	102.5
77.5°	52.3	53.1	55.9	59.3	62.2	65.4	69.0	73.0	73.8	75.3	76.2
80°	43.1	43.1	43.1	45.1	48.5	50.9	54.3	56.4	57.7	58.1	58.4
82.5°	34.6	34.6	34.3	34.7	35.9	37.2	40.4	42.7	43.8	43.6	42.8
85°	22.6	21.8	21.8	21.5	21.8	21.1	20.9	22.2	24.3	24.3	23.5
87.5°	11.8	11.6	11.5	11.0	10.3	9.8	8.7	8.8	8.6	9.5	8.9
90°	12.2	12.8	11.1	9.6	8.1	6.6	5.6	4.5	3.0	2.1	1.0
92.5°	59.0	78.2	86.1	64.6	42.7	29.4	21.8	17.6	13.6	9.4	6.3
95°	244.6	301.6	268.6	185.1	109.3	66.1	46.3	33.1	24.4	18.8	17.3
97.5°	500.1	467.4	342.1	203.1	117.7	76.4	54.9	41.9	34.4	30.1	29.5
100°	581.8	481.6	325.5	191.7	116.5	80.9	61.0	48.9	41.7	38.2	37.6
102.5°	585.9	455.2	301.1	182.0	118.1	86.1	67.9	57.0	50.3	47.1	46.2
105°	554.9	408.9	271.1	175.0	122.6	95.1	79.4	69.6	63.6	60.5	59.0
107.5°	500.6	368.0	252.0	174.4	130.9	106.8	92.2	83.1	77.1	74.2	72.6
110°	466.4	344.8	244.6	176.5	137.9	114.9	100.7	92.0	86.5	83.9	82.4



TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	436.7	329.4	240.6	180.6	144.7	123.5	109.7	101.0	95.4	92.9	91.3
115°	400.8	312.8	239.1	187.2	156.1	136.8	123.1	114.4	109.3	106.3	104.2
117.5°	379.2	303.0	240.0	195.9	168.3	149.1	136.4	126.7	122.1	119.5	117.2
120°	367.7	298.5	241.6	202.4	175.9	157.7	145.0	135.3	130.2	127.7	126.2
122.5°	358.4	295.7	244.4	208.6	184.1	166.2	152.7	143.4	137.9	135.4	133.8
125°	346.3	291.9	248.7	218.2	195.8	178.0	164.3	154.6	149.0	146.0	145.0
127.5°	335.8	290.1	253.6	226.1	206.0	188.8	175.0	164.3	158.7	154.9	153.4
130°	330.1	288.9	256.8	231.4	212.0	195.3	181.6	170.9	164.8	160.2	158.7
132.5°	324.8	288.5	259.3	236.3	217.4	201.0	187.7	177.0	169.7	164.7	162.7
135°	317.9	287.8	263.0	242.6	225.3	209.6	195.8	185.1	177.5	171.9	169.9
137.5°	311.9	286.8	265.4	247.3	230.8	215.6	203.0	192.3	184.2	178.7	176.6
140°	308.2	286.3	267.0	249.8	234.4	219.7	207.0	196.8	188.7	183.6	181.1
142.5°	305.0	285.5	268.2	252.2	237.3	223.0	211.1	200.9	193.6	188.1	185.9
145°	300.6	284.3	269.0	254.9	241.1	227.8	216.2	207.5	199.9	195.3	193.8
147.5°	296.3	282.4	269.0	256.5	244.2	232.0	222.0	213.7	207.1	202.6	201.7
150°	293.5	280.7	269.0	256.8	246.2	234.4	225.3	218.2	211.6	207.5	207.0
152.5°	290.3	278.7	267.9	257.7	247.4	237.3	228.5	222.3	216.5	212.4	212.3
155°	285.3	275.2	266.5	257.9	249.8	241.1	234.0	228.4	223.3	220.3	220.3
157.5°	279.8	272.0	264.7	258.4	251.0	244.2	238.6	233.9	229.3	226.9	226.5
160°	276.2	269.6	263.9	258.4	252.3	246.2	241.1	237.6	233.4	231.4	231.4
162.5°	272.5	267.2	262.3	258.0	252.7	247.4	243.1	240.0	236.7	235.1	235.1
165°	267.5	263.5	259.9	256.8	253.2	249.2	245.7	243.6	241.1	240.0	240.6
167.5°	262.8	259.8	257.4	256.0	253.2	250.2	248.0	246.6	244.6	244.2	244.8
170°	259.9	257.3	255.8	254.9	252.8	250.2	249.2	248.2	246.6	246.2	247.2
172.5°	257.1	255.3	254.6	254.4	252.8	250.7	250.0	249.4	248.3	248.2	248.8
175°	253.8	252.8	252.8	253.2	252.3	251.3	250.7	250.7	249.8	250.2	250.7
177.5°	251.6	251.3	251.6	252.4	251.6	251.3	251.3	251.3	250.8	251.3	251.6
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	802.2	805.2	809.0	814.8	819.1	823.0	823.8	824.9	827.6	832.2	835.8
5°	807.4	815.3	827.9	840.2	853.5	864.4	874.7	881.9	888.7	903.0	914.6
7.5°	805.7	823.2	843.0	865.1	887.4	909.1	929.2	947.2	965.1	986.0	1009.8
10°	804.7	825.2	851.8	880.1	911.2	941.6	971.0	993.9	1020.6	1044.5	1074.9
12.5°	799.5	829.0	860.9	897.1	935.3	970.4	1009.0	1040.6	1071.0	1105.6	1140.9
15°	792.7	828.6	868.9	917.0	975.1	1017.4	1057.0	1112.1	1149.6	1187.2	1237.8
17.5°	780.3	824.1	874.5	937.0	985.5	1042.4	1102.0	1145.5	1196.1	1249.0	1294.8
20°	770.5	821.4	877.8	939.2	1001.0	1062.9	1120.6	1172.5	1224.8	1285.9	1323.5
22.5°	760.7	811.0	869.6	934.9	1001.3	1066.4	1131.8	1192.8	1251.5	1313.2	1361.2
25°	739.8	799.5	863.1	929.7	995.2	1066.9	1144.9	1212.8	1285.6	1349.1	1394.5
27.5°	718.6	773.4	836.6	904.2	977.0	1061.8	1153.4	1230.7	1303.6	1349.1	1363.3
30°	699.5	757.5	815.6	884.2	963.1	1057.7	1155.1	1243.6	1303.3	1323.1	1308.4
32.5°	680.1	732.7	790.2	860.5	944.3	1047.7	1157.3	1235.9	1271.9	1256.8	1196.9
35°	645.9	693.3	749.0	819.4	915.7	1042.1	1148.3	1201.6	1192.7	1107.2	994.5
37.5°	609.2	647.9	699.5	773.0	886.0	1019.8	1109.5	1117.3	1040.4	909.4	779.2
40°	580.2	615.1	668.1	744.9	863.1	998.0	1070.4	1038.7	919.4	773.6	664.9
42.5°	552.1	581.5	632.5	715.4	841.2	968.2	1012.2	943.0	805.5	667.5	568.8
45°	504.4	532.1	583.4	668.4	796.5	911.2	905.4	785.2	647.6	536.5	454.6
47.5°	459.2	483.4	531.5	618.3	744.0	825.8	771.5	643.6	526.8	437.8	379.3
50°	427.3	451.2	499.0	584.7	701.9	761.6	684.1	560.8	453.9	380.1	333.7
52.5°	396.6	420.0	463.8	547.2	651.0	686.8	603.5	489.2	400.1	336.4	296.5
55°	353.8	371.6	410.9	490.8	568.3	576.5	492.1	396.5	323.1	278.7	251.4
57.5°	310.2	325.5	364.3	427.9	482.3	478.0	398.1	315.4	265.9	232.9	213.1
60°	281.8	296.8	330.9	385.6	426.6	412.2	338.9	272.2	229.9	205.6	189.9
62.5°	255.3	267.0	299.0	338.9	368.4	352.1	289.6	234.5	200.9	180.5	168.0
65°	216.9	226.4	252.1	272.9	289.3	273.6	221.7	183.4	159.2	144.8	136.3
67.5°	180.4	186.5	202.7	210.2	221.8	204.6	166.7	141.1	127.2	115.2	109.2
70°	157.5	161.9	170.4	176.6	179.7	161.9	133.8	115.1	103.5	95.0	91.2
72.5°	134.5	138.4	140.1	145.2	143.6	126.9	107.6	92.7	84.4	78.6	73.7
75°	102.8	104.5	102.8	100.8	96.3	84.7	71.4	63.8	57.7	55.0	53.3
77.5°	74.9	74.4	72.1	68.8	61.3	53.9	46.8	44.2	41.6	40.1	39.6
80°	57.7	56.4	54.3	49.2	42.7	37.5	35.8	34.2	33.2	31.4	31.1
82.5°	43.0	42.2	38.7	34.4	29.9	27.5	26.0	25.4	24.3	23.5	23.5
85°	22.9	21.8	18.1	15.7	15.1	14.4	14.0	14.0	12.7	12.3	12.3
87.5°	7.8	6.3	6.4	5.8	6.0	5.7	6.3	6.1	6.1	6.2	5.8
90°	2.1	3.0	4.5	5.6	6.6	8.1	9.6	11.1	12.8	12.2	12.8
92.5°	9.4	13.6	17.6	21.8	29.4	42.7	64.6	86.1	78.2	59.0	42.8
95°	18.8	24.4	33.1	46.3	66.1	109.3	185.1	268.6	301.6	244.6	183.1
97.5°	30.1	34.4	41.9	54.9	76.4	117.7	203.1	342.1	467.4	500.1	456.5
100°	38.2	41.7	48.9	61.0	80.9	116.5	191.7	325.5	481.6	581.8	599.7
102.5°	47.1	50.3	57.0	67.9	86.1	118.1	182.0	301.1	455.2	585.9	647.3
105°	60.5	63.6	69.6	79.4	95.1	122.6	175.0	271.1	408.9	554.9	661.2
107.5°	74.2	77.1	83.1	92.2	106.8	130.9	174.4	252.0	368.0	500.6	621.1
110°	83.9	86.5	92.0	100.7	114.9	137.9	176.5	244.6	344.8	466.4	582.8





TEST NUMBER: P332278-940

CATALOG NUMBER: S123RDIP-S560D585U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	92.9	95.4	101.0	109.7	123.5	144.7	180.6	240.6	329.4	436.7	545.0
115°	106.3	109.3	114.4	123.1	136.8	156.1	187.2	239.1	312.8	400.8	494.9
117.5°	119.5	122.1	126.7	136.4	149.1	168.3	195.9	240.0	303.0	379.2	458.5
120°	127.7	130.2	135.3	145.0	157.7	175.9	202.4	241.6	298.5	367.7	439.4
122.5°	135.4	137.9	143.4	152.7	166.2	184.1	208.6	244.4	295.7	358.4	424.4
125°	146.0	149.0	154.6	164.3	178.0	195.8	218.2	248.7	291.9	346.3	404.3
127.5°	154.9	158.7	164.3	175.0	188.8	206.0	226.1	253.6	290.1	335.8	386.8
130°	160.2	164.8	170.9	181.6	195.3	212.0	231.4	256.8	288.9	330.1	375.9
132.5°	164.7	169.7	177.0	187.7	201.0	217.4	236.3	259.3	288.5	324.8	365.7
135°	171.9	177.5	185.1	195.8	209.6	225.3	242.6	263.0	287.8	317.9	352.0
137.5°	178.7	184.2	192.3	203.0	215.6	230.8	247.3	265.4	286.8	311.9	339.5
140°	183.6	188.7	196.8	207.0	219.7	234.4	249.8	267.0	286.3	308.2	332.2
142.5°	188.1	193.6	200.9	211.1	223.0	237.3	252.2	268.2	285.5	305.0	325.2
145°	195.3	199.9	207.5	216.2	227.8	241.1	254.9	269.0	284.3	300.6	316.8
147.5°	202.6	207.1	213.7	222.0	232.0	244.2	256.5	269.0	282.4	296.3	310.0
150°	207.5	211.6	218.2	225.3	234.4	246.2	256.8	269.0	280.7	293.5	305.1
152.5°	212.4	216.5	222.3	228.5	237.3	247.4	257.7	267.9	278.7	290.3	300.7
155°	220.3	223.3	228.4	234.0	241.1	249.8	257.9	266.5	275.2	285.3	294.0
157.5°	226.9	229.3	233.9	238.6	244.2	251.0	258.4	264.7	272.0	279.8	286.9
160°	231.4	233.4	237.6	241.1	246.2	252.3	258.4	263.9	269.6	276.2	282.8
162.5°	235.1	236.7	240.0	243.1	247.4	252.7	258.0	262.3	267.2	272.5	277.9
165°	240.0	241.1	243.6	245.7	249.2	253.2	256.8	259.9	263.5	267.5	271.6
167.5°	244.2	244.6	246.6	248.0	250.2	253.2	256.0	257.4	259.8	262.8	266.1
170°	246.2	246.6	248.2	249.2	250.2	252.8	254.9	255.8	257.3	259.9	262.4
172.5°	248.2	248.3	249.4	250.0	250.7	252.8	254.4	254.6	255.3	257.1	259.2
175°	250.2	249.8	250.7	250.7	251.3	252.3	253.2	252.8	252.8	253.8	254.9
177.5°	251.3	250.8	251.3	251.3	251.3	251.6	252.4	251.6	251.3	251.6	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	797.8	797.8	797.8	797.8	797.8	797.8	797.8
2.5°	841.6	841.6	842.7	846.8	847.3	850.9	849.7
5°	924.9	931.4	933.8	944.1	950.2	952.9	947.4
7.5°	1026.8	1045.1	1053.8	1064.5	1074.0	1076.9	1069.4
10°	1101.2	1120.3	1136.3	1146.2	1155.5	1161.5	1169.5
12.5°	1173.0	1196.5	1211.7	1225.7	1235.2	1243.0	1244.3
15°	1251.1	1286.6	1313.6	1333.4	1343.3	1348.4	1346.4
17.5°	1329.8	1362.7	1382.0	1402.1	1415.9	1416.6	1417.0
20°	1374.4	1406.5	1428.7	1443.7	1459.1	1458.4	1461.8
22.5°	1404.2	1429.4	1446.4	1457.3	1462.6	1460.0	1460.7
25°	1418.1	1425.6	1422.5	1405.1	1400.7	1384.6	1387.3
27.5°	1346.2	1310.7	1274.0	1226.6	1189.4	1159.6	1161.1
30°	1248.7	1185.8	1114.1	1054.0	1000.1	985.0	952.9
32.5°	1112.3	1018.1	934.1	878.1	831.7	819.1	791.1
35°	881.2	789.6	703.2	651.3	630.8	602.2	601.8
37.5°	684.9	604.3	558.7	519.7	499.3	481.9	480.2
40°	576.2	513.4	478.8	450.8	430.7	417.7	414.6
42.5°	500.2	449.4	417.1	399.8	384.2	377.6	372.6
45°	408.5	374.3	351.8	336.1	328.9	323.8	321.0
47.5°	341.7	318.8	303.4	293.0	287.1	281.8	283.2
50°	305.3	286.6	275.3	265.4	260.9	257.2	257.5
52.5°	276.1	259.2	250.1	243.0	237.5	234.8	233.4
55°	234.3	223.7	214.5	209.4	206.3	202.5	201.5
57.5°	199.8	191.6	184.1	178.3	177.6	174.0	174.4
60°	176.9	170.0	163.9	160.9	158.5	155.4	156.4
62.5°	158.1	152.3	146.7	144.2	141.8	139.6	140.0
65°	129.5	123.9	120.6	119.2	118.2	117.2	116.1
67.5°	103.2	99.8	97.6	94.7	92.6	92.3	91.2
70°	86.8	82.3	78.6	74.8	73.7	73.4	73.7
72.5°	69.6	66.7	65.7	63.8	63.7	62.8	63.4
75°	52.3	51.3	50.6	49.2	49.2	49.2	49.2
77.5°	38.5	37.9	37.5	37.2	36.9	36.4	36.4
80°	30.1	29.7	29.1	29.1	28.7	29.1	28.7
82.5°	22.6	22.6	21.9	21.9	21.6	21.4	21.6
85°	11.6	11.2	11.9	11.2	11.6	11.0	11.6
87.5°	5.9	6.1	6.0	5.9	5.7	6.3	5.7
90°	13.2	13.7	14.7	14.3	14.7	15.2	14.7
92.5°	34.0	30.1	27.4	26.5	24.9	25.4	24.5
95°	124.1	97.1	78.8	69.2	64.6	61.0	59.0
97.5°	365.6	300.0	239.2	201.6	178.7	165.0	160.6
100°	558.5	498.9	426.7	375.3	338.2	318.4	318.9
102.5°	646.0	611.3	565.4	525.5	496.1	479.5	467.8
105°	712.0	721.8	708.5	685.1	665.8	649.5	646.9
107.5°	703.7	748.2	766.3	766.8	760.3	754.7	750.1
110°	676.5	740.6	776.1	790.4	794.4	793.4	792.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	640.6	712.5	758.2	784.3	796.9	800.8	800.9
115°	583.4	658.2	713.5	751.7	774.1	784.3	786.8
117.5°	534.9	602.1	658.4	698.1	723.7	738.4	741.8
120°	508.1	569.1	620.5	660.7	689.2	701.3	704.5
122.5°	486.5	543.1	590.8	626.5	652.1	665.6	669.4
125°	459.8	508.6	549.3	581.8	604.2	617.0	620.5
127.5°	436.3	480.4	517.4	546.4	565.4	576.9	580.2
130°	421.6	462.8	497.4	524.4	542.7	553.4	557.4
132.5°	407.8	446.1	479.1	504.4	522.7	532.2	535.0
135°	388.1	421.2	450.1	475.0	490.3	499.4	503.0
137.5°	369.1	397.5	422.7	443.6	459.1	466.8	469.1
140°	358.0	382.5	404.3	423.7	437.9	446.0	445.5
142.5°	347.5	368.6	387.6	404.1	416.8	424.1	423.6
145°	333.7	349.9	364.7	377.4	388.1	392.2	393.2
147.5°	323.3	336.5	347.0	356.6	363.8	367.7	368.1
150°	316.8	327.5	337.2	344.8	350.4	353.5	353.5
152.5°	310.8	320.2	328.2	334.2	339.5	341.3	341.3
155°	302.1	309.8	315.8	320.4	324.5	325.5	326.0
157.5°	293.6	299.6	304.3	308.4	311.4	312.2	312.1
160°	288.4	293.5	297.0	300.6	303.6	303.6	303.1
162.5°	282.7	287.4	290.5	292.8	295.5	295.5	295.0
165°	274.6	278.2	280.7	282.8	284.8	284.3	284.3
167.5°	268.4	270.5	272.3	273.2	274.6	274.1	274.1
170°	263.9	266.0	267.0	267.5	268.6	268.0	268.0
172.5°	260.3	261.9	262.5	262.6	263.7	262.8	262.3
175°	255.3	256.4	256.4	256.4	256.8	256.4	255.8
177.5°	252.4	252.9	252.9	252.4	252.9	252.1	252.1
180°	251.3	251.3	251.3	251.3	251.3	251.3	251.3

(END OF REPORT)