

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: P332272-940

Luminaire Tested: **S123RDIP-S560D365U940-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332272-940  
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-S560D365U940-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3158.9 lumens  
Efficiency: N/A  
Efficacy: 114.9 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: Semi-Direct

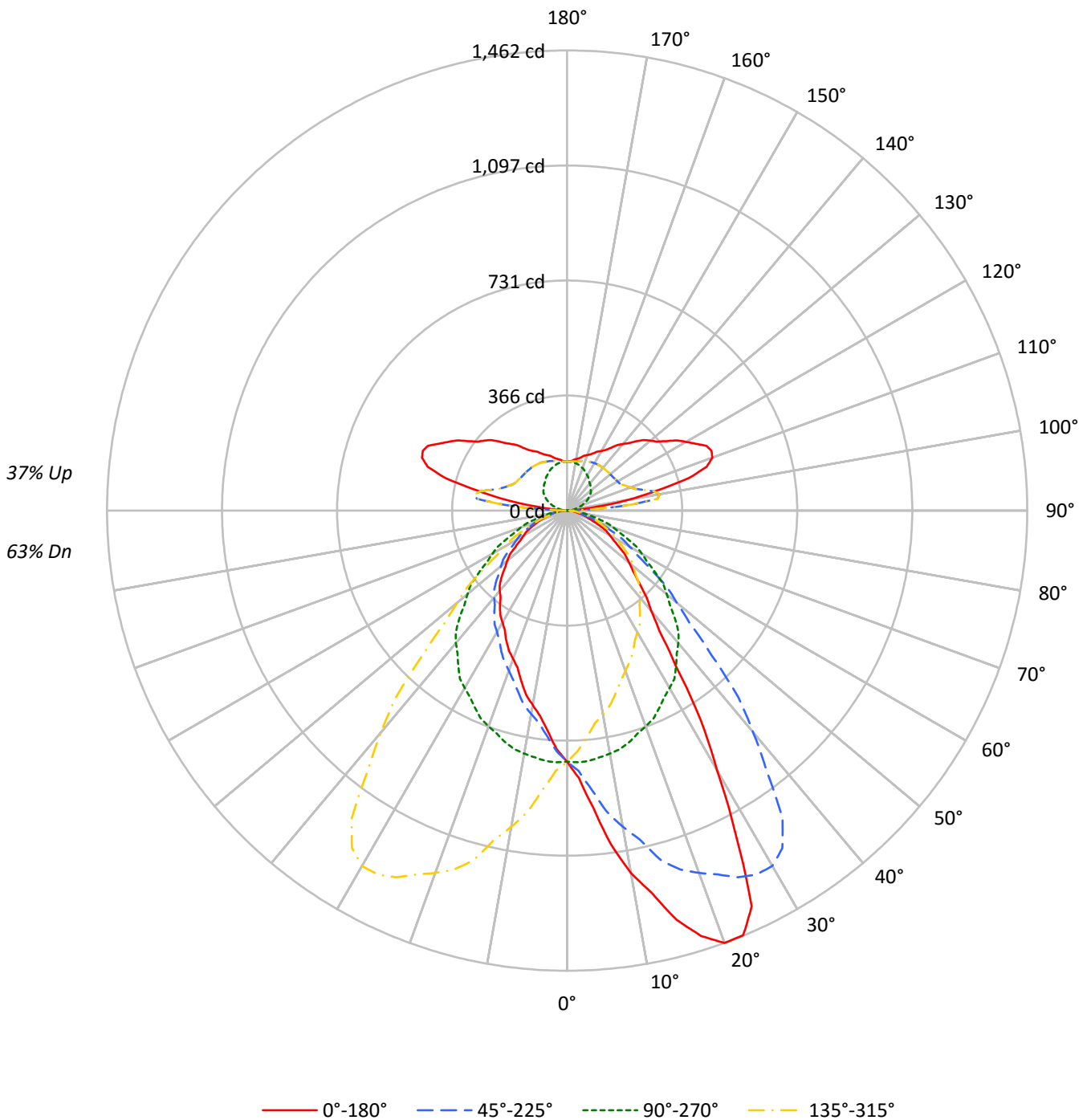
Input Watts (W): 27.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	97	94	90	95	91	88	85	81	78	76	71	69	67	61	60	59	54
2	93	86	80	75	87	81	76	71	71	68	64	63	60	57	55	53	51	47
3	85	76	69	63	80	72	66	60	64	59	55	56	52	49	49	46	44	41
4	78	68	60	54	73	64	57	52	57	52	47	51	46	43	44	41	39	35
5	72	61	53	47	68	58	51	45	51	46	41	46	41	38	40	37	34	31
6	67	55	47	41	63	52	45	40	47	41	37	42	37	33	37	33	30	28
7	62	50	42	37	58	47	40	35	43	37	32	38	33	30	34	30	27	25
8	58	46	38	33	54	43	36	31	39	33	29	35	30	27	31	27	25	22
9	54	42	34	29	51	40	33	28	36	30	26	32	28	24	29	25	22	20
10	50	38	31	27	47	37	30	26	33	28	24	30	25	22	27	23	20	19

**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	2.5
10°-20°	245.1	7.8
20°-30°	385.1	12.2
30°-40°	401.8	12.7
40°-50°	343.8	10.9
50°-60°	262.1	8.3
60°-70°	168.0	5.3
70°-80°	80.8	2.6
80°-90°	22.6	0.7
90°-100°	86.6	2.7
100°-110°	245.3	7.8
110°-120°	241.3	7.6
120°-130°	192.5	6.1
130°-140°	151.8	4.8
140°-150°	113.3	3.6
150°-160°	78.9	2.5
160°-170°	46.4	1.5
170°-180°	15.1	0.5
0°-30°	708.7	22.4
0°-40°	1110.4	35.2
0°-60°	1716.3	54.3
0°-90°	1987.7	62.9
90°-120°	573.2	18.1
90°-150°	1030.7	32.6
90°-180°	1171.0	37.1
0°-180°	3158.9	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°	9	1	9	1	9	5
95°	37	11	37	11	37	66
105°	401	37	401	37	401	395
115°	488	65	488	65	488	474
125°	384	90	384	90	384	348
135°	312	105	312	105	312	242
145°	244	120	244	120	244	155
155°	202	136	202	136	202	94
165°	176	149	176	149	176	50
175°	158	155	158	155	158	15
180°	156	156	156	156	156	



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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°	4.5	5.2	4.5	4.7	4.8	5.0	4.9	4.8	5.4	5.2	5.2
90°	9.1	9.5	9.1	8.8	9.1	8.5	8.2	7.8	7.6	7.8	7.0
92.5°	15.2	15.8	15.4	16.4	16.9	18.5	21.0	26.6	36.6	48.4	53.3
95°	36.6	37.8	40.0	42.9	48.9	60.2	76.9	113.4	151.6	186.9	166.4
97.5°	99.5	102.2	110.8	124.9	148.2	185.8	226.5	282.8	309.8	289.6	212.0
100°	197.6	197.2	209.6	232.6	264.4	309.2	346.0	371.5	360.5	298.5	201.7
102.5°	289.8	297.1	307.4	325.6	350.4	378.7	400.2	401.0	363.0	282.0	186.5
105°	400.8	402.4	412.5	424.5	439.0	447.1	441.1	409.7	343.8	253.3	168.0
107.5°	464.8	467.6	471.0	475.1	474.8	463.6	436.0	384.8	310.1	228.0	156.1
110°	491.0	491.6	492.2	489.7	480.9	458.8	419.1	361.1	289.0	213.7	151.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	496.2	496.1	493.7	485.9	469.8	441.4	396.9	337.7	270.5	204.0	149.0
115°	487.5	485.9	479.6	465.7	442.1	407.8	361.4	306.6	248.3	193.8	148.1
117.5°	459.6	457.4	448.4	432.6	407.9	373.0	331.4	284.1	234.9	187.7	148.6
120°	436.4	434.5	427.0	409.3	384.4	352.6	314.8	272.2	227.8	184.9	149.7
122.5°	414.7	412.3	404.0	388.2	366.0	336.4	301.4	263.0	222.0	183.2	151.4
125°	384.4	382.3	374.3	360.5	340.4	315.1	284.9	250.5	214.6	180.8	154.1
127.5°	359.4	357.5	350.4	338.5	320.6	297.6	270.3	239.7	208.0	179.8	157.1
130°	345.4	342.9	336.3	324.9	308.2	286.8	261.3	232.8	204.5	179.0	159.2
132.5°	331.5	329.8	323.9	312.5	296.9	276.4	252.6	226.6	201.3	178.7	160.7
135°	311.7	309.4	303.8	294.4	278.8	260.9	240.4	218.0	197.0	178.3	162.9
137.5°	290.7	289.2	284.5	274.8	261.9	246.3	228.6	210.3	193.2	177.6	164.4
140°	276.1	276.3	271.3	262.5	250.5	236.9	221.9	205.8	190.9	177.5	165.4
142.5°	262.4	262.7	258.2	250.4	240.1	228.4	215.3	201.5	189.0	176.9	166.2
145°	243.6	243.0	240.4	233.8	226.0	216.8	206.7	196.4	186.2	176.1	166.7
147.5°	228.1	227.8	225.4	221.0	215.0	208.5	200.4	192.1	183.6	175.0	166.7
150°	219.0	219.0	217.1	213.7	208.9	203.0	196.4	189.0	181.8	174.0	166.7
152.5°	211.4	211.4	210.3	207.1	203.4	198.4	192.5	186.3	179.8	172.7	165.9
155°	202.0	201.7	201.1	198.5	195.6	191.9	187.2	182.2	176.7	170.5	165.1
157.5°	193.3	193.4	192.9	191.0	188.6	185.6	181.9	177.7	173.3	168.5	164.1
160°	187.8	188.2	188.2	186.2	184.0	181.8	178.7	175.2	171.1	167.0	163.5
162.5°	182.8	183.1	183.1	181.5	180.0	178.1	175.1	172.2	168.8	165.5	162.6
165°	176.1	176.1	176.5	175.2	174.0	172.4	170.1	168.3	165.8	163.3	161.0
167.5°	169.9	169.9	170.1	169.2	168.7	167.6	166.3	164.9	162.8	161.0	159.5
170°	166.0	166.0	166.4	165.8	165.4	164.8	163.5	162.6	161.0	159.4	158.5
172.5°	162.6	162.8	163.4	162.7	162.6	162.3	161.3	160.6	159.3	158.2	157.7
175°	158.5	158.8	159.2	158.8	158.8	158.8	158.2	157.8	157.2	156.6	156.6
177.5°	156.1	156.1	156.7	156.4	156.7	156.7	156.4	156.1	156.0	155.7	156.0
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



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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°	5.5	5.1	5.4	5.4	6.1	6.2	7.7	8.8	9.3	8.3	8.5
90°	6.0	5.1	4.1	3.5	2.9	1.9	1.2	0.6	1.2	1.9	2.9
92.5°	40.0	26.5	18.2	13.6	10.9	8.5	5.8	3.9	5.8	8.5	10.9
95°	114.7	67.8	40.9	28.7	20.5	15.2	11.7	10.7	11.7	15.2	20.5
97.5°	125.8	72.9	47.3	34.1	25.9	21.3	18.5	18.3	18.5	21.3	25.9
100°	118.8	72.1	50.1	37.8	30.2	25.9	23.6	23.4	23.6	25.9	30.2
102.5°	112.7	73.2	53.4	42.1	35.3	31.1	29.2	28.6	29.2	31.1	35.3
105°	108.4	76.0	58.9	49.1	43.2	39.4	37.5	36.6	37.5	39.4	43.2
107.5°	108.1	81.1	66.2	57.1	51.5	47.8	45.9	45.0	45.9	47.8	51.5
110°	109.3	85.4	71.2	62.4	57.1	53.6	52.0	51.0	52.0	53.6	57.1





TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	111.9	89.7	76.5	67.9	62.6	59.1	57.5	56.6	57.5	59.1	62.6
115°	115.9	96.8	84.8	76.2	70.9	67.8	65.9	64.6	65.9	67.8	70.9
117.5°	121.4	104.2	92.4	84.5	78.6	75.6	74.0	72.6	74.0	75.6	78.6
120°	125.4	109.1	97.6	89.8	83.8	80.7	79.1	78.1	79.1	80.7	83.8
122.5°	129.2	114.0	103.0	94.6	88.9	85.4	83.9	82.9	83.9	85.4	88.9
125°	135.2	121.4	110.3	101.7	95.8	92.3	90.4	89.8	90.4	92.3	95.8
127.5°	140.1	127.6	117.0	108.4	101.8	98.4	95.9	95.1	95.9	98.4	101.8
130°	143.4	131.4	121.0	112.5	105.8	102.1	99.2	98.4	99.2	102.1	105.8
132.5°	146.4	134.6	124.6	116.3	109.7	105.1	102.0	100.9	102.0	105.1	109.7
135°	150.3	139.6	129.8	121.4	114.7	109.9	106.5	105.2	106.5	109.9	114.7
137.5°	153.2	143.0	133.6	125.7	119.1	114.1	110.8	109.4	110.8	114.1	119.1
140°	154.7	145.3	136.2	128.2	122.0	116.9	113.8	112.2	113.8	116.9	122.0
142.5°	156.2	147.0	138.1	130.8	124.5	119.9	116.5	115.2	116.5	119.9	124.5
145°	157.8	149.4	141.2	133.9	128.6	123.9	121.0	120.0	121.0	123.9	128.6
147.5°	158.9	151.2	143.7	137.6	132.4	128.3	125.6	125.0	125.6	128.3	132.4
150°	159.2	152.5	145.3	139.6	135.2	131.1	128.6	128.2	128.6	131.1	135.2
152.5°	159.6	153.3	147.0	141.6	137.7	134.1	131.6	131.5	131.6	134.1	137.7
155°	159.8	154.7	149.4	145.0	141.5	138.3	136.4	136.4	136.4	138.3	141.5
157.5°	160.1	155.5	151.2	147.8	144.9	142.1	140.6	140.4	140.6	142.1	144.9
160°	160.1	156.3	152.5	149.4	147.1	144.6	143.4	143.4	143.4	144.6	147.1
162.5°	159.8	156.6	153.3	150.6	148.6	146.7	145.6	145.6	145.6	146.7	148.6
165°	159.2	156.9	154.4	152.2	151.0	149.4	148.7	149.0	148.7	149.4	151.0
167.5°	158.6	156.9	155.1	153.6	152.8	151.6	151.2	151.6	151.2	151.6	152.8
170°	157.8	156.6	155.1	154.4	153.7	152.8	152.5	153.1	152.5	152.8	153.7
172.5°	157.7	156.6	155.2	154.9	154.5	153.8	153.7	154.2	153.7	153.8	154.5
175°	156.9	156.3	155.7	155.3	155.3	154.7	155.1	155.3	155.1	154.7	155.3
177.5°	156.4	156.0	155.7	155.7	155.7	155.4	155.7	156.0	155.7	155.4	155.7
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-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°	8.4	9.3	9.7	10.3	10.7	10.6	10.8	10.9	11.2	11.2	11.4
90°	3.5	4.1	5.1	6.0	7.0	7.8	7.6	7.8	8.2	8.5	9.1
92.5°	13.6	18.2	26.5	40.0	53.3	48.4	36.6	26.6	21.0	18.5	16.9
95°	28.7	40.9	67.8	114.7	166.4	186.9	151.6	113.4	76.9	60.2	48.9
97.5°	34.1	47.3	72.9	125.8	212.0	289.6	309.8	282.8	226.5	185.8	148.2
100°	37.8	50.1	72.1	118.8	201.7	298.5	360.5	371.5	346.0	309.2	264.4
102.5°	42.1	53.4	73.2	112.7	186.5	282.0	363.0	401.0	400.2	378.7	350.4
105°	49.1	58.9	76.0	108.4	168.0	253.3	343.8	409.7	441.1	447.1	439.0
107.5°	57.1	66.2	81.1	108.1	156.1	228.0	310.1	384.8	436.0	463.6	474.8
110°	62.4	71.2	85.4	109.3	151.6	213.7	289.0	361.1	419.1	458.8	480.9



TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	67.9	76.5	89.7	111.9	149.0	204.0	270.5	337.7	396.9	441.4	469.8
115°	76.2	84.8	96.8	115.9	148.1	193.8	248.3	306.6	361.4	407.8	442.1
117.5°	84.5	92.4	104.2	121.4	148.6	187.7	234.9	284.1	331.4	373.0	407.9
120°	89.8	97.6	109.1	125.4	149.7	184.9	227.8	272.2	314.8	352.6	384.4
122.5°	94.6	103.0	114.0	129.2	151.4	183.2	222.0	263.0	301.4	336.4	366.0
125°	101.7	110.3	121.4	135.2	154.1	180.8	214.6	250.5	284.9	315.1	340.4
127.5°	108.4	117.0	127.6	140.1	157.1	179.8	208.0	239.7	270.3	297.6	320.6
130°	112.5	121.0	131.4	143.4	159.2	179.0	204.5	232.8	261.3	286.8	308.2
132.5°	116.3	124.6	134.6	146.4	160.7	178.7	201.3	226.6	252.6	276.4	296.9
135°	121.4	129.8	139.6	150.3	162.9	178.3	197.0	218.0	240.4	260.9	278.8
137.5°	125.7	133.6	143.0	153.2	164.4	177.6	193.2	210.3	228.6	246.3	261.9
140°	128.2	136.2	145.3	154.7	165.4	177.5	190.9	205.8	221.9	236.9	250.5
142.5°	130.8	138.1	147.0	156.2	166.2	176.9	189.0	201.5	215.3	228.4	240.1
145°	133.9	141.2	149.4	157.8	166.7	176.1	186.2	196.4	206.7	216.8	226.0
147.5°	137.6	143.7	151.2	158.9	166.7	175.0	183.6	192.1	200.4	208.5	215.0
150°	139.6	145.3	152.5	159.2	166.7	174.0	181.8	189.0	196.4	203.0	208.9
152.5°	141.6	147.0	153.3	159.6	165.9	172.7	179.8	186.3	192.5	198.4	203.4
155°	145.0	149.4	154.7	159.8	165.1	170.5	176.7	182.2	187.2	191.9	195.6
157.5°	147.8	151.2	155.5	160.1	164.1	168.5	173.3	177.7	181.9	185.6	188.6
160°	149.4	152.5	156.3	160.1	163.5	167.0	171.1	175.2	178.7	181.8	184.0
162.5°	150.6	153.3	156.6	159.8	162.6	165.5	168.8	172.2	175.1	178.1	180.0
165°	152.2	154.4	156.9	159.2	161.0	163.3	165.8	168.3	170.1	172.4	174.0
167.5°	153.6	155.1	156.9	158.6	159.5	161.0	162.8	164.9	166.3	167.6	168.7
170°	154.4	155.1	156.6	157.8	158.5	159.4	161.0	162.6	163.5	164.8	165.4
172.5°	154.9	155.2	156.6	157.7	157.7	158.2	159.3	160.6	161.3	162.3	162.6
175°	155.3	155.7	156.3	156.9	156.6	156.6	157.2	157.8	158.2	158.8	158.8
177.5°	155.7	155.7	156.0	156.4	156.0	155.7	156.0	156.1	156.4	156.7	156.7
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-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°	11.9	11.4	11.4	11.7	11.4	11.4	11.9	11.4	11.2	11.2	10.9
90°	8.8	9.1	9.5	9.1	9.5	9.1	8.8	9.1	8.5	8.2	7.8
92.5°	16.4	15.4	15.8	15.2	15.8	15.4	16.4	16.9	18.5	21.0	26.6
95°	42.9	40.0	37.8	36.6	37.8	40.0	42.9	48.9	60.2	76.9	113.4
97.5°	124.9	110.8	102.2	99.5	102.2	110.8	124.9	148.2	185.8	226.5	282.8
100°	232.6	209.6	197.2	197.6	197.2	209.6	232.6	264.4	309.2	346.0	371.5
102.5°	325.6	307.4	297.1	289.8	297.1	307.4	325.6	350.4	378.7	400.2	401.0
105°	424.5	412.5	402.4	400.8	402.4	412.5	424.5	439.0	447.1	441.1	409.7
107.5°	475.1	471.0	467.6	464.8	467.6	471.0	475.1	474.8	463.6	436.0	384.8
110°	489.7	492.2	491.6	491.0	491.6	492.2	489.7	480.9	458.8	419.1	361.1



TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	485.9	493.7	496.1	496.2	496.1	493.7	485.9	469.8	441.4	396.9	337.7
115°	465.7	479.6	485.9	487.5	485.9	479.6	465.7	442.1	407.8	361.4	306.6
117.5°	432.6	448.4	457.4	459.6	457.4	448.4	432.6	407.9	373.0	331.4	284.1
120°	409.3	427.0	434.5	436.4	434.5	427.0	409.3	384.4	352.6	314.8	272.2
122.5°	388.2	404.0	412.3	414.7	412.3	404.0	388.2	366.0	336.4	301.4	263.0
125°	360.5	374.3	382.3	384.4	382.3	374.3	360.5	340.4	315.1	284.9	250.5
127.5°	338.5	350.4	357.5	359.4	357.5	350.4	338.5	320.6	297.6	270.3	239.7
130°	324.9	336.3	342.9	345.4	342.9	336.3	324.9	308.2	286.8	261.3	232.8
132.5°	312.5	323.9	329.8	331.5	329.8	323.9	312.5	296.9	276.4	252.6	226.6
135°	294.4	303.8	309.4	311.7	309.4	303.8	294.4	278.8	260.9	240.4	218.0
137.5°	274.8	284.5	289.2	290.7	289.2	284.5	274.8	261.9	246.3	228.6	210.3
140°	262.5	271.3	276.3	276.1	276.3	271.3	262.5	250.5	236.9	221.9	205.8
142.5°	250.4	258.2	262.7	262.4	262.7	258.2	250.4	240.1	228.4	215.3	201.5
145°	233.8	240.4	243.0	243.6	243.0	240.4	233.8	226.0	216.8	206.7	196.4
147.5°	221.0	225.4	227.8	228.1	227.8	225.4	221.0	215.0	208.5	200.4	192.1
150°	213.7	217.1	219.0	219.0	219.0	217.1	213.7	208.9	203.0	196.4	189.0
152.5°	207.1	210.3	211.4	211.4	211.4	210.3	207.1	203.4	198.4	192.5	186.3
155°	198.5	201.1	201.7	202.0	201.7	201.1	198.5	195.6	191.9	187.2	182.2
157.5°	191.0	192.9	193.4	193.3	193.4	192.9	191.0	188.6	185.6	181.9	177.7
160°	186.2	188.2	188.2	187.8	188.2	188.2	186.2	184.0	181.8	178.7	175.2
162.5°	181.5	183.1	183.1	182.8	183.1	183.1	181.5	180.0	178.1	175.1	172.2
165°	175.2	176.5	176.1	176.1	176.1	176.5	175.2	174.0	172.4	170.1	168.3
167.5°	169.2	170.1	169.9	169.9	169.9	170.1	169.2	168.7	167.6	166.3	164.9
170°	165.8	166.4	166.0	166.0	166.0	166.4	165.8	165.4	164.8	163.5	162.6
172.5°	162.7	163.4	162.8	162.6	162.8	163.4	162.7	162.6	162.3	161.3	160.6
175°	158.8	159.2	158.8	158.5	158.8	159.2	158.8	158.8	158.8	158.2	157.8
177.5°	156.4	156.7	156.1	156.1	156.1	156.7	156.4	156.7	156.7	156.4	156.1
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-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°	10.8	10.6	10.7	10.3	9.7	9.3	8.4	8.5	8.3	9.3	8.8
90°	7.6	7.8	7.0	6.0	5.1	4.1	3.5	2.9	1.9	1.2	0.6
92.5°	36.6	48.4	53.3	40.0	26.5	18.2	13.6	10.9	8.5	5.8	3.9
95°	151.6	186.9	166.4	114.7	67.8	40.9	28.7	20.5	15.2	11.7	10.7
97.5°	309.8	289.6	212.0	125.8	72.9	47.3	34.1	25.9	21.3	18.5	18.3
100°	360.5	298.5	201.7	118.8	72.1	50.1	37.8	30.2	25.9	23.6	23.4
102.5°	363.0	282.0	186.5	112.7	73.2	53.4	42.1	35.3	31.1	29.2	28.6
105°	343.8	253.3	168.0	108.4	76.0	58.9	49.1	43.2	39.4	37.5	36.6
107.5°	310.1	228.0	156.1	108.1	81.1	66.2	57.1	51.5	47.8	45.9	45.0
110°	289.0	213.7	151.6	109.3	85.4	71.2	62.4	57.1	53.6	52.0	51.0



TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	270.5	204.0	149.0	111.9	89.7	76.5	67.9	62.6	59.1	57.5	56.6
115°	248.3	193.8	148.1	115.9	96.8	84.8	76.2	70.9	67.8	65.9	64.6
117.5°	234.9	187.7	148.6	121.4	104.2	92.4	84.5	78.6	75.6	74.0	72.6
120°	227.8	184.9	149.7	125.4	109.1	97.6	89.8	83.8	80.7	79.1	78.1
122.5°	222.0	183.2	151.4	129.2	114.0	103.0	94.6	88.9	85.4	83.9	82.9
125°	214.6	180.8	154.1	135.2	121.4	110.3	101.7	95.8	92.3	90.4	89.8
127.5°	208.0	179.8	157.1	140.1	127.6	117.0	108.4	101.8	98.4	95.9	95.1
130°	204.5	179.0	159.2	143.4	131.4	121.0	112.5	105.8	102.1	99.2	98.4
132.5°	201.3	178.7	160.7	146.4	134.6	124.6	116.3	109.7	105.1	102.0	100.9
135°	197.0	178.3	162.9	150.3	139.6	129.8	121.4	114.7	109.9	106.5	105.2
137.5°	193.2	177.6	164.4	153.2	143.0	133.6	125.7	119.1	114.1	110.8	109.4
140°	190.9	177.5	165.4	154.7	145.3	136.2	128.2	122.0	116.9	113.8	112.2
142.5°	189.0	176.9	166.2	156.2	147.0	138.1	130.8	124.5	119.9	116.5	115.2
145°	186.2	176.1	166.7	157.8	149.4	141.2	133.9	128.6	123.9	121.0	120.0
147.5°	183.6	175.0	166.7	158.9	151.2	143.7	137.6	132.4	128.3	125.6	125.0
150°	181.8	174.0	166.7	159.2	152.5	145.3	139.6	135.2	131.1	128.6	128.2
152.5°	179.8	172.7	165.9	159.6	153.3	147.0	141.6	137.7	134.1	131.6	131.5
155°	176.7	170.5	165.1	159.8	154.7	149.4	145.0	141.5	138.3	136.4	136.4
157.5°	173.3	168.5	164.1	160.1	155.5	151.2	147.8	144.9	142.1	140.6	140.4
160°	171.1	167.0	163.5	160.1	156.3	152.5	149.4	147.1	144.6	143.4	143.4
162.5°	168.8	165.5	162.6	159.8	156.6	153.3	150.6	148.6	146.7	145.6	145.6
165°	165.8	163.3	161.0	159.2	156.9	154.4	152.2	151.0	149.4	148.7	149.0
167.5°	162.8	161.0	159.5	158.6	156.9	155.1	153.6	152.8	151.6	151.2	151.6
170°	161.0	159.4	158.5	157.8	156.6	155.1	154.4	153.7	152.8	152.5	153.1
172.5°	159.3	158.2	157.7	157.7	156.6	155.2	154.9	154.5	153.8	153.7	154.2
175°	157.2	156.6	156.6	156.9	156.3	155.7	155.3	155.3	154.7	155.1	155.3
177.5°	156.0	155.7	156.0	156.4	156.0	155.7	155.7	155.7	155.4	155.7	156.0
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-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°	7.7	6.2	6.1	5.4	5.4	5.1	5.5	5.2	5.2	5.4	4.8
90°	1.2	1.9	2.9	3.5	4.1	5.1	6.0	7.0	7.8	7.6	7.8
92.5°	5.8	8.5	10.9	13.6	18.2	26.5	40.0	53.3	48.4	36.6	26.6
95°	11.7	15.2	20.5	28.7	40.9	67.8	114.7	166.4	186.9	151.6	113.4
97.5°	18.5	21.3	25.9	34.1	47.3	72.9	125.8	212.0	289.6	309.8	282.8
100°	23.6	25.9	30.2	37.8	50.1	72.1	118.8	201.7	298.5	360.5	371.5
102.5°	29.2	31.1	35.3	42.1	53.4	73.2	112.7	186.5	282.0	363.0	401.0
105°	37.5	39.4	43.2	49.1	58.9	76.0	108.4	168.0	253.3	343.8	409.7
107.5°	45.9	47.8	51.5	57.1	66.2	81.1	108.1	156.1	228.0	310.1	384.8
110°	52.0	53.6	57.1	62.4	71.2	85.4	109.3	151.6	213.7	289.0	361.1





TEST NUMBER: P332272-940

CATALOG NUMBER: S123RDIP-S560D365U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	57.5	59.1	62.6	67.9	76.5	89.7	111.9	149.0	204.0	270.5	337.7
115°	65.9	67.8	70.9	76.2	84.8	96.8	115.9	148.1	193.8	248.3	306.6
117.5°	74.0	75.6	78.6	84.5	92.4	104.2	121.4	148.6	187.7	234.9	284.1
120°	79.1	80.7	83.8	89.8	97.6	109.1	125.4	149.7	184.9	227.8	272.2
122.5°	83.9	85.4	88.9	94.6	103.0	114.0	129.2	151.4	183.2	222.0	263.0
125°	90.4	92.3	95.8	101.7	110.3	121.4	135.2	154.1	180.8	214.6	250.5
127.5°	95.9	98.4	101.8	108.4	117.0	127.6	140.1	157.1	179.8	208.0	239.7
130°	99.2	102.1	105.8	112.5	121.0	131.4	143.4	159.2	179.0	204.5	232.8
132.5°	102.0	105.1	109.7	116.3	124.6	134.6	146.4	160.7	178.7	201.3	226.6
135°	106.5	109.9	114.7	121.4	129.8	139.6	150.3	162.9	178.3	197.0	218.0
137.5°	110.8	114.1	119.1	125.7	133.6	143.0	153.2	164.4	177.6	193.2	210.3
140°	113.8	116.9	122.0	128.2	136.2	145.3	154.7	165.4	177.5	190.9	205.8
142.5°	116.5	119.9	124.5	130.8	138.1	147.0	156.2	166.2	176.9	189.0	201.5
145°	121.0	123.9	128.6	133.9	141.2	149.4	157.8	166.7	176.1	186.2	196.4
147.5°	125.6	128.3	132.4	137.6	143.7	151.2	158.9	166.7	175.0	183.6	192.1
150°	128.6	131.1	135.2	139.6	145.3	152.5	159.2	166.7	174.0	181.8	189.0
152.5°	131.6	134.1	137.7	141.6	147.0	153.3	159.6	165.9	172.7	179.8	186.3
155°	136.4	138.3	141.5	145.0	149.4	154.7	159.8	165.1	170.5	176.7	182.2
157.5°	140.6	142.1	144.9	147.8	151.2	155.5	160.1	164.1	168.5	173.3	177.7
160°	143.4	144.6	147.1	149.4	152.5	156.3	160.1	163.5	167.0	171.1	175.2
162.5°	145.6	146.7	148.6	150.6	153.3	156.6	159.8	162.6	165.5	168.8	172.2
165°	148.7	149.4	151.0	152.2	154.4	156.9	159.2	161.0	163.3	165.8	168.3
167.5°	151.2	151.6	152.8	153.6	155.1	156.9	158.6	159.5	161.0	162.8	164.9
170°	152.5	152.8	153.7	154.4	155.1	156.6	157.8	158.5	159.4	161.0	162.6
172.5°	153.7	153.8	154.5	154.9	155.2	156.6	157.7	157.7	158.2	159.3	160.6
175°	155.1	154.7	155.3	155.3	155.7	156.3	156.9	156.6	156.6	157.2	157.8
177.5°	155.7	155.4	155.7	155.7	155.7	156.0	156.4	156.0	155.7	156.0	156.1
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7



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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°	4.9	5.0	4.8	4.7	4.5	5.2	4.5
90°	8.2	8.5	9.1	8.8	9.1	9.5	9.1
92.5°	21.0	18.5	16.9	16.4	15.4	15.8	15.2
95°	76.9	60.2	48.9	42.9	40.0	37.8	36.6
97.5°	226.5	185.8	148.2	124.9	110.8	102.2	99.5
100°	346.0	309.2	264.4	232.6	209.6	197.2	197.6
102.5°	400.2	378.7	350.4	325.6	307.4	297.1	289.8
105°	441.1	447.1	439.0	424.5	412.5	402.4	400.8
107.5°	436.0	463.6	474.8	475.1	471.0	467.6	464.8
110°	419.1	458.8	480.9	489.7	492.2	491.6	491.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	396.9	441.4	469.8	485.9	493.7	496.1	496.2
115°	361.4	407.8	442.1	465.7	479.6	485.9	487.5
117.5°	331.4	373.0	407.9	432.6	448.4	457.4	459.6
120°	314.8	352.6	384.4	409.3	427.0	434.5	436.4
122.5°	301.4	336.4	366.0	388.2	404.0	412.3	414.7
125°	284.9	315.1	340.4	360.5	374.3	382.3	384.4
127.5°	270.3	297.6	320.6	338.5	350.4	357.5	359.4
130°	261.3	286.8	308.2	324.9	336.3	342.9	345.4
132.5°	252.6	276.4	296.9	312.5	323.9	329.8	331.5
135°	240.4	260.9	278.8	294.4	303.8	309.4	311.7
137.5°	228.6	246.3	261.9	274.8	284.5	289.2	290.7
140°	221.9	236.9	250.5	262.5	271.3	276.3	276.1
142.5°	215.3	228.4	240.1	250.4	258.2	262.7	262.4
145°	206.7	216.8	226.0	233.8	240.4	243.0	243.6
147.5°	200.4	208.5	215.0	221.0	225.4	227.8	228.1
150°	196.4	203.0	208.9	213.7	217.1	219.0	219.0
152.5°	192.5	198.4	203.4	207.1	210.3	211.4	211.4
155°	187.2	191.9	195.6	198.5	201.1	201.7	202.0
157.5°	181.9	185.6	188.6	191.0	192.9	193.4	193.3
160°	178.7	181.8	184.0	186.2	188.2	188.2	187.8
162.5°	175.1	178.1	180.0	181.5	183.1	183.1	182.8
165°	170.1	172.4	174.0	175.2	176.5	176.1	176.1
167.5°	166.3	167.6	168.7	169.2	170.1	169.9	169.9
170°	163.5	164.8	165.4	165.8	166.4	166.0	166.0
172.5°	161.3	162.3	162.6	162.7	163.4	162.8	162.6
175°	158.2	158.8	158.8	158.8	159.2	158.8	158.5
177.5°	156.4	156.7	156.7	156.4	156.7	156.1	156.1
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7

(END OF REPORT)