

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: P332282-940

Luminaire Tested: **S123RDIP-S560D805U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332282-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123RDIP-S560D805U940-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4850.6 lumens
Efficiency: N/A
Efficacy: 126.3 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

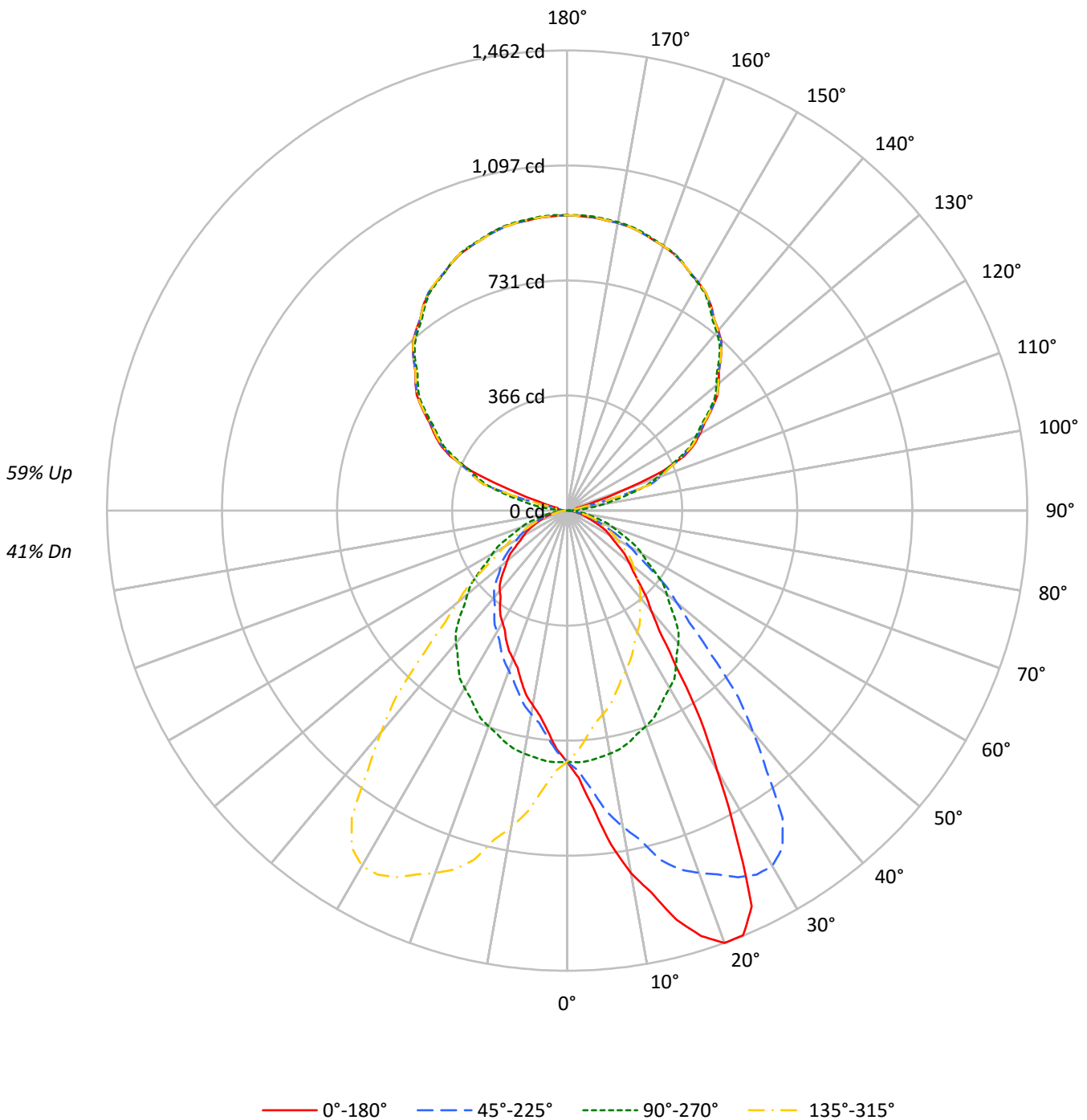
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41																												
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35																												
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	38	37	36	30																												
3	81	72	65	59	73	66	60	55	54	50	47	44	41	39	34	32	31	26																												
4	74	64	56	50	67	58	52	47	49	44	40	40	36	33	31	29	27	23																												
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	28	26	24	20																												
6	63	51	43	38	57	47	40	35	39	34	30	32	29	26	26	23	21	18																												
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16																												
8	54	42	35	29	49	39	32	28	33	28	24	27	23	20	22	19	17	15																												
9	50	38	31	26	46	35	29	25	30	25	22	25	21	18	20	17	15	13																												
10	47	35	28	24	43	33	26	22	28	23	19	23	19	17	19	16	14	12																												

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	1.6
10°-20°	245.1	5.1
20°-30°	385.1	7.9
30°-40°	401.8	8.3
40°-50°	343.8	7.1
50°-60°	262.1	5.4
60°-70°	168.0	3.5
70°-80°	80.8	1.7
80°-90°	24.0	0.5
90°-100°	34.1	0.7
100°-110°	162.6	3.4
110°-120°	390.6	8.1
120°-130°	497.3	10.3
130°-140°	531.4	11.0
140°-150°	496.9	10.2
150°-160°	400.8	8.3
160°-170°	258.7	5.3
170°-180°	89.2	1.8
0°-30°	708.7	14.6
0°-40°	1110.4	22.9
0°-60°	1716.3	35.4
0°-90°	1989.1	41.0
90°-120°	587.3	12.1
90°-150°	2112.9	43.6
90°-180°	2862.0	59.0
0°-180°	4850.6	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°	21	1	21	1	21	10
95°	26	42	26	42	26	22
105°	31	208	31	208	31	70
115°	410	390	410	390	410	379
125°	560	549	560	549	560	501
135°	691	684	691	684	691	533
145°	797	789	797	789	797	497
155°	868	869	868	869	868	400
165°	915	917	915	917	915	258
175°	935	938	935	938	935	89
180°	938	938	938	938	938	



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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°	7.0	7.4	6.8	7.0	7.0	7.1	7.0	6.9	7.3	6.9	6.8
90°	21.0	20.6	20.3	20.0	19.7	19.2	18.5	18.0	17.4	16.8	14.7
92.5°	23.2	22.9	22.7	22.6	22.4	21.8	20.8	19.8	18.8	17.8	16.3
95°	26.5	26.5	26.5	26.5	26.5	25.9	24.9	23.8	22.7	21.6	19.9
97.5°	28.7	28.5	28.4	28.3	28.1	27.4	26.1	25.0	23.7	22.5	33.6
100°	29.2	29.2	29.0	28.8	28.6	28.0	26.8	25.5	24.3	23.0	47.2
102.5°	29.9	29.5	29.2	29.0	28.7	30.5	34.3	38.2	42.0	45.8	72.2
105°	30.7	30.4	30.1	29.8	29.4	43.0	70.4	97.8	125.3	152.7	166.6
107.5°	96.3	117.0	137.7	158.4	179.0	199.4	219.5	239.6	259.8	279.8	277.6
110°	191.7	213.8	236.0	258.2	280.4	294.0	299.1	304.2	309.3	314.4	312.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	329.0	333.6	338.2	343.0	347.6	349.9	349.8	349.7	349.6	349.6	347.9
115°	409.9	409.3	408.7	408.0	407.4	406.4	404.8	403.2	401.7	400.2	398.8
117.5°	455.4	455.2	455.1	455.0	454.9	454.1	453.0	451.7	450.5	449.2	448.5
120°	486.6	486.6	486.6	486.6	486.6	486.0	484.7	483.5	482.2	481.0	480.5
122.5°	517.3	517.2	517.0	516.9	516.7	516.3	515.4	514.5	513.7	512.8	512.2
125°	560.5	560.2	559.9	559.5	559.3	558.9	558.7	558.3	558.0	557.7	557.1
127.5°	602.1	602.4	602.7	603.0	603.2	603.2	602.7	602.2	601.7	601.2	600.5
130°	628.8	629.1	629.5	629.7	630.1	629.9	629.3	628.7	628.0	627.4	626.8
132.5°	653.4	653.8	654.2	654.7	655.1	655.0	654.3	653.7	653.2	652.6	652.0
135°	690.9	691.3	691.8	692.2	692.7	692.7	692.2	691.8	691.3	690.9	690.3
137.5°	726.1	726.5	726.7	727.1	727.4	727.2	726.4	725.7	725.0	724.2	723.8
140°	747.3	747.6	748.0	748.2	748.6	748.4	747.8	747.2	746.5	745.9	745.5
142.5°	766.9	767.3	767.7	768.1	768.6	768.6	768.0	767.6	767.0	766.6	766.1
145°	796.8	796.8	796.8	796.8	796.8	796.7	796.4	796.0	795.8	795.4	795.1
147.5°	819.1	819.8	820.6	821.3	822.0	822.2	821.9	821.5	821.3	820.9	820.6
150°	835.9	836.3	836.8	837.2	837.8	837.8	837.5	837.1	836.9	836.6	836.2
152.5°	849.3	850.0	850.7	851.4	852.1	852.2	851.6	851.0	850.5	850.0	849.8
155°	867.9	868.9	869.8	870.8	871.6	871.7	870.9	870.2	869.4	868.6	868.4
157.5°	883.7	884.9	886.1	887.3	888.5	888.7	887.7	886.8	885.9	884.9	885.1
160°	893.8	894.8	895.9	897.0	898.0	898.1	897.2	896.3	895.4	894.4	894.6
162.5°	903.2	904.2	905.1	906.1	907.0	907.0	906.0	904.9	903.8	902.8	902.9
165°	914.6	915.7	916.8	917.9	919.0	918.9	917.7	916.4	915.2	913.9	914.1
167.5°	922.8	924.1	925.3	926.6	927.8	927.8	926.6	925.3	924.1	922.8	922.8
170°	927.9	929.2	930.3	931.6	932.8	932.8	931.6	930.3	929.2	927.9	927.9
172.5°	930.7	932.0	933.4	934.8	936.1	936.2	935.0	933.7	932.5	931.2	931.1
175°	934.9	936.1	937.4	938.6	939.8	939.9	938.8	937.7	936.7	935.6	935.4
177.5°	936.1	937.4	938.6	939.9	941.1	941.2	940.2	939.2	938.3	937.2	937.1
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



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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°	7.0	6.2	6.4	6.1	6.5	6.5	7.8	8.9	9.5	8.6	9.0
90°	12.7	10.7	8.6	6.9	5.4	3.8	2.2	0.7	2.2	3.8	5.4
92.5°	14.8	13.3	11.8	11.2	11.7	12.1	12.6	12.9	12.6	12.1	11.7
95°	18.2	16.5	14.8	17.1	23.5	29.8	36.2	42.5	36.2	29.8	23.5
97.5°	44.8	55.9	67.1	74.1	77.0	79.8	82.7	85.4	82.7	79.8	77.0
100°	71.3	95.5	119.7	130.2	127.1	124.0	120.9	117.8	120.9	124.0	127.1
102.5°	98.6	125.1	151.5	163.5	161.3	159.1	156.9	154.6	156.9	159.1	161.3
105°	180.6	194.5	208.5	214.5	212.9	211.2	209.5	207.8	209.5	211.2	212.9
107.5°	275.4	273.2	271.0	269.2	267.9	266.5	265.2	263.8	265.2	266.5	267.9
110°	311.0	309.3	307.6	306.1	304.9	303.6	302.4	301.1	302.4	303.6	304.9



TEST NUMBER: P332282-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	346.2	344.5	342.7	341.3	340.2	339.1	338.0	336.9	338.0	339.1	340.2
115°	397.3	396.0	394.6	393.4	392.5	391.6	390.7	389.7	390.7	391.6	392.5
117.5°	447.8	447.1	446.4	445.4	444.3	443.2	442.0	440.9	442.0	443.2	444.3
120°	480.1	479.7	479.2	478.2	476.8	475.5	474.0	472.7	474.0	475.5	476.8
122.5°	511.7	511.0	510.4	509.6	508.5	507.3	506.1	505.0	506.1	507.3	508.5
125°	556.4	555.9	555.3	554.3	553.0	551.8	550.5	549.4	550.5	551.8	553.0
127.5°	599.8	599.0	598.2	597.3	596.0	594.8	593.5	592.3	593.5	594.8	596.0
130°	626.2	625.5	624.9	624.0	622.8	621.5	620.3	619.0	620.3	621.5	622.8
132.5°	651.5	651.0	650.5	649.7	648.5	647.2	646.0	644.7	646.0	647.2	648.5
135°	689.6	689.0	688.4	687.6	686.7	685.7	684.8	683.9	684.8	685.7	686.7
137.5°	723.5	723.2	722.8	722.0	720.9	719.7	718.5	717.4	718.5	719.7	720.9
140°	745.0	744.6	744.0	743.4	742.4	741.5	740.6	739.7	740.6	741.5	742.4
142.5°	765.6	765.2	764.7	764.0	763.1	762.1	761.3	760.3	761.3	762.1	763.1
145°	794.8	794.5	794.2	793.5	792.4	791.3	790.2	789.2	790.2	791.3	792.4
147.5°	820.3	820.0	819.7	819.2	818.5	817.8	817.1	816.4	817.1	817.8	818.5
150°	836.0	835.6	835.4	834.9	834.5	834.0	833.6	833.0	833.6	834.0	834.5
152.5°	849.5	849.4	849.2	849.0	848.8	848.6	848.4	848.1	848.4	848.6	848.8
155°	868.3	868.2	868.0	868.1	868.4	868.7	869.1	869.3	869.1	868.7	868.4
157.5°	885.3	885.4	885.6	885.6	885.6	885.7	885.7	885.7	885.7	885.7	885.6
160°	894.7	894.9	895.0	895.2	895.4	895.5	895.6	895.8	895.6	895.5	895.4
162.5°	903.1	903.2	903.4	903.7	904.1	904.5	904.9	905.3	904.9	904.5	904.1
165°	914.3	914.4	914.5	914.9	915.3	915.8	916.2	916.8	916.2	915.8	915.3
167.5°	922.8	922.8	922.8	923.2	923.8	924.4	925.1	925.7	925.1	924.4	923.8
170°	927.9	927.9	927.9	928.2	928.8	929.4	930.1	930.7	930.1	929.4	928.8
172.5°	930.9	930.9	930.8	931.0	931.7	932.6	933.3	934.0	933.3	932.6	931.7
175°	935.2	935.0	935.0	935.2	936.0	936.8	937.5	938.3	937.5	936.8	936.0
177.5°	937.0	936.8	936.7	937.0	937.6	938.3	938.9	939.4	938.9	938.3	937.6
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



TEST NUMBER: P332282-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A

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°	9.0	10.2	10.9	11.6	12.2	12.4	12.8	12.8	13.3	13.4	13.5
90°	6.9	8.6	10.7	12.7	14.7	16.8	17.4	18.0	18.5	19.2	19.7
92.5°	11.2	11.8	13.3	14.8	16.3	17.8	18.8	19.8	20.8	21.8	22.4
95°	17.1	14.8	16.5	18.2	19.9	21.6	22.7	23.8	24.9	25.9	26.5
97.5°	74.1	67.1	55.9	44.8	33.6	22.5	23.7	25.0	26.1	27.4	28.1
100°	130.2	119.7	95.5	71.3	47.2	23.0	24.3	25.5	26.8	28.0	28.6
102.5°	163.5	151.5	125.1	98.6	72.2	45.8	42.0	38.2	34.3	30.5	28.7
105°	214.5	208.5	194.5	180.6	166.6	152.7	125.3	97.8	70.4	43.0	29.4
107.5°	269.2	271.0	273.2	275.4	277.6	279.8	259.8	239.6	219.5	199.4	179.0
110°	306.1	307.6	309.3	311.0	312.7	314.4	309.3	304.2	299.1	294.0	280.4



TEST NUMBER: P332282-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	341.3	342.7	344.5	346.2	347.9	349.6	349.6	349.7	349.8	349.9	347.6
115°	393.4	394.6	396.0	397.3	398.8	400.2	401.7	403.2	404.8	406.4	407.4
117.5°	445.4	446.4	447.1	447.8	448.5	449.2	450.5	451.7	453.0	454.1	454.9
120°	478.2	479.2	479.7	480.1	480.5	481.0	482.2	483.5	484.7	486.0	486.6
122.5°	509.6	510.4	511.0	511.7	512.2	512.8	513.7	514.5	515.4	516.3	516.7
125°	554.3	555.3	555.9	556.4	557.1	557.7	558.0	558.3	558.7	558.9	559.3
127.5°	597.3	598.2	599.0	599.8	600.5	601.2	601.7	602.2	602.7	603.2	603.2
130°	624.0	624.9	625.5	626.2	626.8	627.4	628.0	628.7	629.3	629.9	630.1
132.5°	649.7	650.5	651.0	651.5	652.0	652.6	653.2	653.7	654.3	655.0	655.1
135°	687.6	688.4	689.0	689.6	690.3	690.9	691.3	691.8	692.2	692.7	692.7
137.5°	722.0	722.8	723.2	723.5	723.8	724.2	725.0	725.7	726.4	727.2	727.4
140°	743.4	744.0	744.6	745.0	745.5	745.9	746.5	747.2	747.8	748.4	748.6
142.5°	764.0	764.7	765.2	765.6	766.1	766.6	767.0	767.6	768.0	768.6	768.6
145°	793.5	794.2	794.5	794.8	795.1	795.4	795.8	796.0	796.4	796.7	796.8
147.5°	819.2	819.7	820.0	820.3	820.6	820.9	821.3	821.5	821.9	822.2	822.0
150°	834.9	835.4	835.6	836.0	836.2	836.6	836.9	837.1	837.5	837.8	837.8
152.5°	849.0	849.2	849.4	849.5	849.8	850.0	850.5	851.0	851.6	852.2	852.1
155°	868.1	868.0	868.2	868.3	868.4	868.6	869.4	870.2	870.9	871.7	871.6
157.5°	885.6	885.6	885.4	885.3	885.1	884.9	885.9	886.8	887.7	888.7	888.5
160°	895.2	895.0	894.9	894.7	894.6	894.4	895.4	896.3	897.2	898.1	898.0
162.5°	903.7	903.4	903.2	903.1	902.9	902.8	903.8	904.9	906.0	907.0	907.0
165°	914.9	914.5	914.4	914.3	914.1	913.9	915.2	916.4	917.7	918.9	919.0
167.5°	923.2	922.8	922.8	922.8	922.8	922.8	924.1	925.3	926.6	927.8	927.8
170°	928.2	927.9	927.9	927.9	927.9	927.9	929.2	930.3	931.6	932.8	932.8
172.5°	931.0	930.8	930.9	930.9	931.1	931.2	932.5	933.7	935.0	936.2	936.1
175°	935.2	935.0	935.0	935.2	935.4	935.6	936.7	937.7	938.8	939.9	939.8
177.5°	937.0	936.7	936.8	937.0	937.1	937.2	938.3	939.2	940.2	941.2	941.1
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



TEST NUMBER: P332282-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A

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°	14.1	13.6	13.6	14.0	13.6	13.6	14.1	13.5	13.4	13.3	12.8
90°	20.0	20.3	20.6	21.0	20.6	20.3	20.0	19.7	19.2	18.5	18.0
92.5°	22.6	22.7	22.9	23.2	22.9	22.7	22.6	22.4	21.8	20.8	19.8
95°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	25.9	24.9	23.8
97.5°	28.3	28.4	28.5	28.7	28.5	28.4	28.3	28.1	27.4	26.1	25.0
100°	28.8	29.0	29.2	29.2	29.2	29.0	28.8	28.6	28.0	26.8	25.5
102.5°	29.0	29.2	29.5	29.9	29.5	29.2	29.0	28.7	30.5	34.3	38.2
105°	29.8	30.1	30.4	30.7	30.4	30.1	29.8	29.4	43.0	70.4	97.8
107.5°	158.4	137.7	117.0	96.3	117.0	137.7	158.4	179.0	199.4	219.5	239.6
110°	258.2	236.0	213.8	191.7	213.8	236.0	258.2	280.4	294.0	299.1	304.2



TEST NUMBER: P332282-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	343.0	338.2	333.6	329.0	333.6	338.2	343.0	347.6	349.9	349.8	349.7
115°	408.0	408.7	409.3	409.9	409.3	408.7	408.0	407.4	406.4	404.8	403.2
117.5°	455.0	455.1	455.2	455.4	455.2	455.1	455.0	454.9	454.1	453.0	451.7
120°	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.0	484.7	483.5
122.5°	516.9	517.0	517.2	517.3	517.2	517.0	516.9	516.7	516.3	515.4	514.5
125°	559.5	559.9	560.2	560.5	560.2	559.9	559.5	559.3	558.9	558.7	558.3
127.5°	603.0	602.7	602.4	602.1	602.4	602.7	603.0	603.2	603.2	602.7	602.2
130°	629.7	629.5	629.1	628.8	629.1	629.5	629.7	630.1	629.9	629.3	628.7
132.5°	654.7	654.2	653.8	653.4	653.8	654.2	654.7	655.1	655.0	654.3	653.7
135°	692.2	691.8	691.3	690.9	691.3	691.8	692.2	692.7	692.7	692.2	691.8
137.5°	727.1	726.7	726.5	726.1	726.5	726.7	727.1	727.4	727.2	726.4	725.7
140°	748.2	748.0	747.6	747.3	747.6	748.0	748.2	748.6	748.4	747.8	747.2
142.5°	768.1	767.7	767.3	766.9	767.3	767.7	768.1	768.6	768.6	768.0	767.6
145°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.7	796.4	796.0
147.5°	821.3	820.6	819.8	819.1	819.8	820.6	821.3	822.0	822.2	821.9	821.5
150°	837.2	836.8	836.3	835.9	836.3	836.8	837.2	837.8	837.8	837.5	837.1
152.5°	851.4	850.7	850.0	849.3	850.0	850.7	851.4	852.1	852.2	851.6	851.0
155°	870.8	869.8	868.9	867.9	868.9	869.8	870.8	871.6	871.7	870.9	870.2
157.5°	887.3	886.1	884.9	883.7	884.9	886.1	887.3	888.5	888.7	887.7	886.8
160°	897.0	895.9	894.8	893.8	894.8	895.9	897.0	898.0	898.1	897.2	896.3
162.5°	906.1	905.1	904.2	903.2	904.2	905.1	906.1	907.0	907.0	906.0	904.9
165°	917.9	916.8	915.7	914.6	915.7	916.8	917.9	919.0	918.9	917.7	916.4
167.5°	926.6	925.3	924.1	922.8	924.1	925.3	926.6	927.8	927.8	926.6	925.3
170°	931.6	930.3	929.2	927.9	929.2	930.3	931.6	932.8	932.8	931.6	930.3
172.5°	934.8	933.4	932.0	930.7	932.0	933.4	934.8	936.1	936.2	935.0	933.7
175°	938.6	937.4	936.1	934.9	936.1	937.4	938.6	939.8	939.9	938.8	937.7
177.5°	939.9	938.6	937.4	936.1	937.4	938.6	939.9	941.1	941.2	940.2	939.2
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



TEST NUMBER: P332282-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A

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°	12.8	12.4	12.2	11.6	10.9	10.2	9.0	9.0	8.6	9.5	8.9
90°	17.4	16.8	14.7	12.7	10.7	8.6	6.9	5.4	3.8	2.2	0.7
92.5°	18.8	17.8	16.3	14.8	13.3	11.8	11.2	11.7	12.1	12.6	12.9
95°	22.7	21.6	19.9	18.2	16.5	14.8	17.1	23.5	29.8	36.2	42.5
97.5°	23.7	22.5	33.6	44.8	55.9	67.1	74.1	77.0	79.8	82.7	85.4
100°	24.3	23.0	47.2	71.3	95.5	119.7	130.2	127.1	124.0	120.9	117.8
102.5°	42.0	45.8	72.2	98.6	125.1	151.5	163.5	161.3	159.1	156.9	154.6
105°	125.3	152.7	166.6	180.6	194.5	208.5	214.5	212.9	211.2	209.5	207.8
107.5°	259.8	279.8	277.6	275.4	273.2	271.0	269.2	267.9	266.5	265.2	263.8
110°	309.3	314.4	312.7	311.0	309.3	307.6	306.1	304.9	303.6	302.4	301.1



TEST NUMBER: P332282-940

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	349.6	349.6	347.9	346.2	344.5	342.7	341.3	340.2	339.1	338.0	336.9
115°	401.7	400.2	398.8	397.3	396.0	394.6	393.4	392.5	391.6	390.7	389.7
117.5°	450.5	449.2	448.5	447.8	447.1	446.4	445.4	444.3	443.2	442.0	440.9
120°	482.2	481.0	480.5	480.1	479.7	479.2	478.2	476.8	475.5	474.0	472.7
122.5°	513.7	512.8	512.2	511.7	511.0	510.4	509.6	508.5	507.3	506.1	505.0
125°	558.0	557.7	557.1	556.4	555.9	555.3	554.3	553.0	551.8	550.5	549.4
127.5°	601.7	601.2	600.5	599.8	599.0	598.2	597.3	596.0	594.8	593.5	592.3
130°	628.0	627.4	626.8	626.2	625.5	624.9	624.0	622.8	621.5	620.3	619.0
132.5°	653.2	652.6	652.0	651.5	651.0	650.5	649.7	648.5	647.2	646.0	644.7
135°	691.3	690.9	690.3	689.6	689.0	688.4	687.6	686.7	685.7	684.8	683.9
137.5°	725.0	724.2	723.8	723.5	723.2	722.8	722.0	720.9	719.7	718.5	717.4
140°	746.5	745.9	745.5	745.0	744.6	744.0	743.4	742.4	741.5	740.6	739.7
142.5°	767.0	766.6	766.1	765.6	765.2	764.7	764.0	763.1	762.1	761.3	760.3
145°	795.8	795.4	795.1	794.8	794.5	794.2	793.5	792.4	791.3	790.2	789.2
147.5°	821.3	820.9	820.6	820.3	820.0	819.7	819.2	818.5	817.8	817.1	816.4
150°	836.9	836.6	836.2	836.0	835.6	835.4	834.9	834.5	834.0	833.6	833.0
152.5°	850.5	850.0	849.8	849.5	849.4	849.2	849.0	848.8	848.6	848.4	848.1
155°	869.4	868.6	868.4	868.3	868.2	868.0	868.1	868.4	868.7	869.1	869.3
157.5°	885.9	884.9	885.1	885.3	885.4	885.6	885.6	885.6	885.7	885.7	885.7
160°	895.4	894.4	894.6	894.7	894.9	895.0	895.2	895.4	895.5	895.6	895.8
162.5°	903.8	902.8	902.9	903.1	903.2	903.4	903.7	904.1	904.5	904.9	905.3
165°	915.2	913.9	914.1	914.3	914.4	914.5	914.9	915.3	915.8	916.2	916.8
167.5°	924.1	922.8	922.8	922.8	922.8	922.8	923.2	923.8	924.4	925.1	925.7
170°	929.2	927.9	927.9	927.9	927.9	927.9	928.2	928.8	929.4	930.1	930.7
172.5°	932.5	931.2	931.1	930.9	930.9	930.8	931.0	931.7	932.6	933.3	934.0
175°	936.7	935.6	935.4	935.2	935.0	935.0	935.2	936.0	936.8	937.5	938.3
177.5°	938.3	937.2	937.1	937.0	936.8	936.7	937.0	937.6	938.3	938.9	939.4
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



TEST NUMBER: P332282-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A

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	6.5	6.5	6.1	6.4	6.2	7.0	6.8	6.9	7.3	6.9
90°	2.2	3.8	5.4	6.9	8.6	10.7	12.7	14.7	16.8	17.4	18.0
92.5°	12.6	12.1	11.7	11.2	11.8	13.3	14.8	16.3	17.8	18.8	19.8
95°	36.2	29.8	23.5	17.1	14.8	16.5	18.2	19.9	21.6	22.7	23.8
97.5°	82.7	79.8	77.0	74.1	67.1	55.9	44.8	33.6	22.5	23.7	25.0
100°	120.9	124.0	127.1	130.2	119.7	95.5	71.3	47.2	23.0	24.3	25.5
102.5°	156.9	159.1	161.3	163.5	151.5	125.1	98.6	72.2	45.8	42.0	38.2
105°	209.5	211.2	212.9	214.5	208.5	194.5	180.6	166.6	152.7	125.3	97.8
107.5°	265.2	266.5	267.9	269.2	271.0	273.2	275.4	277.6	279.8	259.8	239.6
110°	302.4	303.6	304.9	306.1	307.6	309.3	311.0	312.7	314.4	309.3	304.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	338.0	339.1	340.2	341.3	342.7	344.5	346.2	347.9	349.6	349.6	349.7
115°	390.7	391.6	392.5	393.4	394.6	396.0	397.3	398.8	400.2	401.7	403.2
117.5°	442.0	443.2	444.3	445.4	446.4	447.1	447.8	448.5	449.2	450.5	451.7
120°	474.0	475.5	476.8	478.2	479.2	479.7	480.1	480.5	481.0	482.2	483.5
122.5°	506.1	507.3	508.5	509.6	510.4	511.0	511.7	512.2	512.8	513.7	514.5
125°	550.5	551.8	553.0	554.3	555.3	555.9	556.4	557.1	557.7	558.0	558.3
127.5°	593.5	594.8	596.0	597.3	598.2	599.0	599.8	600.5	601.2	601.7	602.2
130°	620.3	621.5	622.8	624.0	624.9	625.5	626.2	626.8	627.4	628.0	628.7
132.5°	646.0	647.2	648.5	649.7	650.5	651.0	651.5	652.0	652.6	653.2	653.7
135°	684.8	685.7	686.7	687.6	688.4	689.0	689.6	690.3	690.9	691.3	691.8
137.5°	718.5	719.7	720.9	722.0	722.8	723.2	723.5	723.8	724.2	725.0	725.7
140°	740.6	741.5	742.4	743.4	744.0	744.6	745.0	745.5	745.9	746.5	747.2
142.5°	761.3	762.1	763.1	764.0	764.7	765.2	765.6	766.1	766.6	767.0	767.6
145°	790.2	791.3	792.4	793.5	794.2	794.5	794.8	795.1	795.4	795.8	796.0
147.5°	817.1	817.8	818.5	819.2	819.7	820.0	820.3	820.6	820.9	821.3	821.5
150°	833.6	834.0	834.5	834.9	835.4	835.6	836.0	836.2	836.6	836.9	837.1
152.5°	848.4	848.6	848.8	849.0	849.2	849.4	849.5	849.8	850.0	850.5	851.0
155°	869.1	868.7	868.4	868.1	868.0	868.2	868.3	868.4	868.6	869.4	870.2
157.5°	885.7	885.7	885.6	885.6	885.6	885.4	885.3	885.1	884.9	885.9	886.8
160°	895.6	895.5	895.4	895.2	895.0	894.9	894.7	894.6	894.4	895.4	896.3
162.5°	904.9	904.5	904.1	903.7	903.4	903.2	903.1	902.9	902.8	903.8	904.9
165°	916.2	915.8	915.3	914.9	914.5	914.4	914.3	914.1	913.9	915.2	916.4
167.5°	925.1	924.4	923.8	923.2	922.8	922.8	922.8	922.8	922.8	924.1	925.3
170°	930.1	929.4	928.8	928.2	927.9	927.9	927.9	927.9	927.9	929.2	930.3
172.5°	933.3	932.6	931.7	931.0	930.8	930.9	930.9	931.1	931.2	932.5	933.7
175°	937.5	936.8	936.0	935.2	935.0	935.0	935.2	935.4	935.6	936.7	937.7
177.5°	938.9	938.3	937.6	937.0	936.7	936.8	937.0	937.1	937.2	938.3	939.2
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3



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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°	7.0	7.1	7.0	7.0	6.8	7.4	7.0
90°	18.5	19.2	19.7	20.0	20.3	20.6	21.0
92.5°	20.8	21.8	22.4	22.6	22.7	22.9	23.2
95°	24.9	25.9	26.5	26.5	26.5	26.5	26.5
97.5°	26.1	27.4	28.1	28.3	28.4	28.5	28.7
100°	26.8	28.0	28.6	28.8	29.0	29.2	29.2
102.5°	34.3	30.5	28.7	29.0	29.2	29.5	29.9
105°	70.4	43.0	29.4	29.8	30.1	30.4	30.7
107.5°	219.5	199.4	179.0	158.4	137.7	117.0	96.3
110°	299.1	294.0	280.4	258.2	236.0	213.8	191.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	349.8	349.9	347.6	343.0	338.2	333.6	329.0
115°	404.8	406.4	407.4	408.0	408.7	409.3	409.9
117.5°	453.0	454.1	454.9	455.0	455.1	455.2	455.4
120°	484.7	486.0	486.6	486.6	486.6	486.6	486.6
122.5°	515.4	516.3	516.7	516.9	517.0	517.2	517.3
125°	558.7	558.9	559.3	559.5	559.9	560.2	560.5
127.5°	602.7	603.2	603.2	603.0	602.7	602.4	602.1
130°	629.3	629.9	630.1	629.7	629.5	629.1	628.8
132.5°	654.3	655.0	655.1	654.7	654.2	653.8	653.4
135°	692.2	692.7	692.7	692.2	691.8	691.3	690.9
137.5°	726.4	727.2	727.4	727.1	726.7	726.5	726.1
140°	747.8	748.4	748.6	748.2	748.0	747.6	747.3
142.5°	768.0	768.6	768.6	768.1	767.7	767.3	766.9
145°	796.4	796.7	796.8	796.8	796.8	796.8	796.8
147.5°	821.9	822.2	822.0	821.3	820.6	819.8	819.1
150°	837.5	837.8	837.8	837.2	836.8	836.3	835.9
152.5°	851.6	852.2	852.1	851.4	850.7	850.0	849.3
155°	870.9	871.7	871.6	870.8	869.8	868.9	867.9
157.5°	887.7	888.7	888.5	887.3	886.1	884.9	883.7
160°	897.2	898.1	898.0	897.0	895.9	894.8	893.8
162.5°	906.0	907.0	907.0	906.1	905.1	904.2	903.2
165°	917.7	918.9	919.0	917.9	916.8	915.7	914.6
167.5°	926.6	927.8	927.8	926.6	925.3	924.1	922.8
170°	931.6	932.8	932.8	931.6	930.3	929.2	927.9
172.5°	935.0	936.2	936.1	934.8	933.4	932.0	930.7
175°	938.8	939.9	939.8	938.6	937.4	936.1	934.9
177.5°	940.2	941.2	941.1	939.9	938.6	937.4	936.1
180°	938.3	938.3	938.3	938.3	938.3	938.3	938.3

(END OF REPORT)