

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: P332283-940

Luminaire Tested: **S123RDIP-S560D805U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332283-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,
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-A1
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4448.1 lumens
Efficiency: N/A
Efficacy: 115.8 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

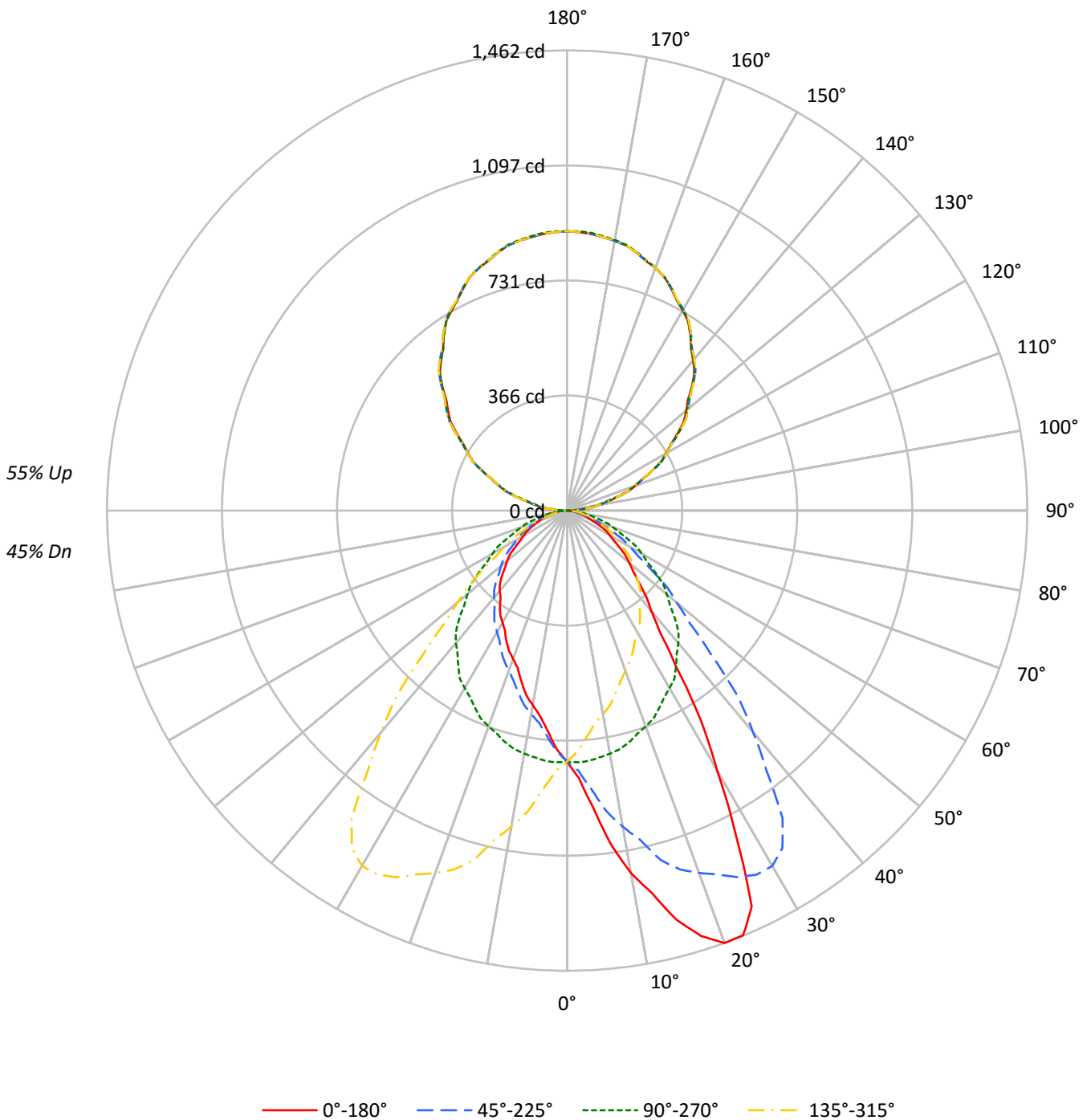
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	41	40	38	33
3	81	72	65	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	41	38	35	33	31	29	25
5	69	58	50	44	63	53	46	41	45	40	36	37	34	31	30	28	25	22
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	18
8	54	43	35	30	50	40	33	28	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	17	14
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

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	1.8
10°-20°	245.1	5.5
20°-30°	385.1	8.7
30°-40°	401.8	9.0
40°-50°	343.8	7.7
50°-60°	262.1	5.9
60°-70°	168.0	3.8
70°-80°	80.8	1.8
80°-90°	24.0	0.5
90°-100°	57.8	1.3
100°-110°	173.1	3.9
110°-120°	294.3	6.6
120°-130°	387.1	8.7
130°-140°	435.1	9.8
140°-150°	427.7	9.6
150°-160°	360.1	8.1
160°-170°	239.7	5.4
170°-180°	83.9	1.9
0°-30°	708.7	15.9
0°-40°	1110.4	25.0
0°-60°	1716.3	38.6
0°-90°	1989.1	44.7
90°-120°	525.2	11.8
90°-150°	1775.2	39.9
90°-180°	2459.0	55.3
0°-180°	4448.1	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	11
95°	54	41	54	41	54	56
105°	166	157	166	157	166	176
115°	297	296	297	296	297	294
125°	429	434	429	434	429	383
135°	562	563	562	563	562	432
145°	682	682	682	682	682	426
155°	780	782	780	782	780	359
165°	848	851	848	851	848	239
175°	882	885	882	885	882	84
180°	888	888	888	888	888	



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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°	28.2	28.4	28.5	28.7	28.9	28.7	28.3	27.7	27.3	26.8	25.6
95°	54.4	54.4	54.4	54.4	54.4	54.0	53.4	52.8	52.3	51.6	50.4
97.5°	83.6	83.7	83.8	83.8	83.9	83.6	82.8	82.1	81.4	80.7	79.8
100°	105.9	105.7	105.3	105.0	104.8	104.3	103.9	103.4	103.0	102.5	101.7
102.5°	128.9	128.9	128.9	129.0	129.1	128.9	128.4	128.0	127.5	127.1	126.0
105°	165.9	165.6	165.3	165.0	164.7	164.5	164.5	164.5	164.5	164.5	163.2
107.5°	204.6	204.7	204.9	205.1	205.3	205.2	204.6	204.1	203.7	203.1	202.6
110°	230.8	231.0	231.4	231.7	232.0	231.8	231.2	230.6	230.0	229.3	229.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	258.7	258.7	258.8	258.9	258.9	258.6	257.8	257.1	256.4	255.6	255.6
115°	297.0	297.1	297.3	297.5	297.7	297.7	297.5	297.3	297.1	297.0	297.3
117.5°	335.9	336.4	336.8	337.2	337.6	337.9	337.9	338.0	338.0	338.0	338.4
120°	363.2	363.6	363.8	364.2	364.4	364.7	364.9	365.0	365.2	365.3	366.1
122.5°	389.4	389.9	390.3	390.7	391.2	391.6	392.0	392.4	392.8	393.2	393.6
125°	428.7	429.4	430.0	430.6	431.2	431.9	432.5	433.1	433.7	434.4	434.6
127.5°	468.0	468.7	469.4	470.1	470.8	471.6	472.4	473.3	474.2	475.0	475.4
130°	493.6	494.7	495.8	496.9	497.9	498.8	499.4	500.1	500.6	501.2	501.8
132.5°	520.4	521.2	522.0	522.9	523.7	524.5	525.2	526.0	526.7	527.4	527.8
135°	562.0	562.2	562.6	562.8	563.2	563.7	564.3	564.9	565.5	566.1	566.2
137.5°	598.6	599.2	599.8	600.4	600.9	601.5	602.3	602.9	603.5	604.1	603.8
140°	622.6	623.7	624.7	625.8	627.0	627.5	627.7	627.9	628.0	628.1	628.0
142.5°	647.1	647.9	648.8	649.6	650.5	650.9	651.1	651.3	651.4	651.6	651.3
145°	682.5	683.1	683.8	684.4	685.0	685.4	685.5	685.7	685.9	686.0	685.5
147.5°	714.1	715.0	715.9	716.8	717.7	718.3	718.3	718.3	718.3	718.3	717.8
150°	734.1	735.0	736.0	736.9	737.9	738.3	738.3	738.3	738.3	738.3	738.0
152.5°	753.7	754.5	755.3	756.1	756.9	757.2	756.9	756.6	756.4	756.2	756.0
155°	780.2	781.2	782.3	783.4	784.4	784.7	784.1	783.5	782.8	782.2	782.1
157.5°	804.2	805.1	806.0	806.9	807.7	807.8	807.2	806.6	805.9	805.2	805.1
160°	819.8	820.5	821.1	821.7	822.3	822.2	821.5	820.7	819.9	819.2	819.2
162.5°	831.6	832.6	833.6	834.6	835.5	835.7	834.9	834.1	833.3	832.6	832.4
165°	848.5	849.5	850.6	851.8	852.8	852.9	851.9	851.0	850.1	849.2	849.2
167.5°	862.8	863.8	864.8	865.7	866.7	866.7	865.7	864.8	863.8	862.8	862.7
170°	870.0	871.2	872.3	873.3	874.4	874.4	873.3	872.3	871.2	870.0	870.0
172.5°	875.7	876.7	877.8	878.9	880.0	880.0	879.1	878.2	877.2	876.2	876.2
175°	881.9	883.0	884.1	885.2	886.3	886.4	885.4	884.5	883.6	882.6	882.6
177.5°	885.3	886.2	887.0	887.9	888.8	888.8	888.1	887.3	886.5	885.8	885.8
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5



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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°	24.5	23.4	22.2	21.0	20.1	19.0	17.9	16.9	17.9	19.0	20.1
95°	49.1	47.9	46.6	45.5	44.4	43.3	42.2	41.1	42.2	43.3	44.4
97.5°	78.9	78.0	77.1	76.3	75.4	74.6	73.8	73.0	73.8	74.6	75.4
100°	100.9	100.1	99.4	98.5	97.6	96.7	95.8	94.8	95.8	96.7	97.6
102.5°	125.0	123.9	123.0	122.2	121.6	121.0	120.5	119.9	120.5	121.0	121.6
105°	161.8	160.3	159.0	158.1	157.8	157.5	157.2	156.9	157.2	157.5	157.8
107.5°	202.1	201.5	200.9	200.5	200.4	200.2	200.0	199.8	200.0	200.2	200.4
110°	228.7	228.5	228.1	227.8	227.5	227.2	226.9	226.6	226.9	227.2	227.5



TEST NUMBER: P332283-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	255.5	255.4	255.3	255.2	255.0	254.9	254.7	254.5	254.7	254.9	255.0
115°	297.7	297.9	298.3	298.2	297.7	297.2	296.8	296.3	296.8	297.2	297.7
117.5°	338.8	339.2	339.6	339.7	339.3	339.0	338.8	338.4	338.8	339.0	339.3
120°	366.8	367.7	368.5	368.4	367.4	366.5	365.5	364.6	365.5	366.5	367.4
122.5°	394.0	394.4	394.8	394.7	394.0	393.3	392.6	392.0	392.6	393.3	394.0
125°	435.0	435.2	435.6	435.5	435.1	434.5	434.1	433.6	434.1	434.5	435.1
127.5°	475.7	476.1	476.4	476.1	475.1	474.1	473.1	472.2	473.1	474.1	475.1
130°	502.2	502.7	503.1	502.7	501.5	500.2	499.0	497.8	499.0	500.2	501.5
132.5°	528.2	528.5	528.9	528.4	527.2	525.9	524.7	523.4	524.7	525.9	527.2
135°	566.4	566.6	566.8	566.3	565.4	564.5	563.6	562.6	563.6	564.5	565.4
137.5°	603.3	603.0	602.5	602.0	601.2	600.4	599.7	598.9	599.7	600.4	601.2
140°	627.9	627.7	627.5	627.1	626.3	625.5	624.7	623.9	624.7	625.5	626.3
142.5°	651.0	650.8	650.5	650.0	649.2	648.4	647.6	646.8	647.6	648.4	649.2
145°	685.1	684.7	684.1	683.8	683.5	683.1	682.9	682.5	682.9	683.1	683.5
147.5°	717.4	716.9	716.5	716.0	715.4	714.9	714.3	713.8	714.3	714.9	715.4
150°	737.7	737.4	737.1	736.7	736.5	736.1	735.8	735.5	735.8	736.1	736.5
152.5°	755.8	755.6	755.5	755.1	754.7	754.2	753.8	753.4	753.8	754.2	754.7
155°	781.9	781.8	781.6	781.5	781.5	781.5	781.5	781.5	781.5	781.5	781.5
157.5°	805.0	804.9	804.8	804.8	804.9	805.1	805.3	805.5	805.3	805.1	804.9
160°	819.2	819.2	819.2	819.3	819.7	819.9	820.3	820.6	820.3	819.9	819.7
162.5°	832.3	832.2	832.1	832.2	832.7	833.1	833.6	833.9	833.6	833.1	832.7
165°	849.2	849.2	849.2	849.4	849.9	850.3	850.8	851.2	850.8	850.3	849.9
167.5°	862.6	862.5	862.4	862.6	863.2	863.8	864.4	865.0	864.4	863.8	863.2
170°	870.0	870.0	870.0	870.4	871.0	871.6	872.3	872.9	872.3	871.6	871.0
172.5°	876.2	876.2	876.2	876.6	877.2	877.8	878.4	879.0	878.4	877.8	877.2
175°	882.6	882.6	882.6	883.0	883.6	884.2	884.8	885.4	884.8	884.2	883.6
177.5°	885.8	885.8	885.8	886.1	886.5	887.1	887.6	888.1	887.6	887.1	886.5
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5



TEST NUMBER: P332283-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A1

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°	21.0	22.2	23.4	24.5	25.6	26.8	27.3	27.7	28.3	28.7	28.9
95°	45.5	46.6	47.9	49.1	50.4	51.6	52.3	52.8	53.4	54.0	54.4
97.5°	76.3	77.1	78.0	78.9	79.8	80.7	81.4	82.1	82.8	83.6	83.9
100°	98.5	99.4	100.1	100.9	101.7	102.5	103.0	103.4	103.9	104.3	104.8
102.5°	122.2	123.0	123.9	125.0	126.0	127.1	127.5	128.0	128.4	128.9	129.1
105°	158.1	159.0	160.3	161.8	163.2	164.5	164.5	164.5	164.5	164.5	164.7
107.5°	200.5	200.9	201.5	202.1	202.6	203.1	203.7	204.1	204.6	205.2	205.3
110°	227.8	228.1	228.5	228.7	229.1	229.3	230.0	230.6	231.2	231.8	232.0



TEST NUMBER: P332283-940

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	255.2	255.3	255.4	255.5	255.6	255.6	256.4	257.1	257.8	258.6	258.9
115°	298.2	298.3	297.9	297.7	297.3	297.0	297.1	297.3	297.5	297.7	297.7
117.5°	339.7	339.6	339.2	338.8	338.4	338.0	338.0	338.0	337.9	337.9	337.6
120°	368.4	368.5	367.7	366.8	366.1	365.3	365.2	365.0	364.9	364.7	364.4
122.5°	394.7	394.8	394.4	394.0	393.6	393.2	392.8	392.4	392.0	391.6	391.2
125°	435.5	435.6	435.2	435.0	434.6	434.4	433.7	433.1	432.5	431.9	431.2
127.5°	476.1	476.4	476.1	475.7	475.4	475.0	474.2	473.3	472.4	471.6	470.8
130°	502.7	503.1	502.7	502.2	501.8	501.2	500.6	500.1	499.4	498.8	497.9
132.5°	528.4	528.9	528.5	528.2	527.8	527.4	526.7	526.0	525.2	524.5	523.7
135°	566.3	566.8	566.6	566.4	566.2	566.1	565.5	564.9	564.3	563.7	563.2
137.5°	602.0	602.5	603.0	603.3	603.8	604.1	603.5	602.9	602.3	601.5	600.9
140°	627.1	627.5	627.7	627.9	628.0	628.1	628.0	627.9	627.7	627.5	627.0
142.5°	650.0	650.5	650.8	651.0	651.3	651.6	651.4	651.3	651.1	650.9	650.5
145°	683.8	684.1	684.7	685.1	685.5	686.0	685.9	685.7	685.5	685.4	685.0
147.5°	716.0	716.5	716.9	717.4	717.8	718.3	718.3	718.3	718.3	718.3	717.7
150°	736.7	737.1	737.4	737.7	738.0	738.3	738.3	738.3	738.3	738.3	737.9
152.5°	755.1	755.5	755.6	755.8	756.0	756.2	756.4	756.6	756.9	757.2	756.9
155°	781.5	781.6	781.8	781.9	782.1	782.2	782.8	783.5	784.1	784.7	784.4
157.5°	804.8	804.8	804.9	805.0	805.1	805.2	805.9	806.6	807.2	807.8	807.7
160°	819.3	819.2	819.2	819.2	819.2	819.2	819.9	820.7	821.5	822.2	822.3
162.5°	832.2	832.1	832.2	832.3	832.4	832.6	833.3	834.1	834.9	835.7	835.5
165°	849.4	849.2	849.2	849.2	849.2	849.2	850.1	851.0	851.9	852.9	852.8
167.5°	862.6	862.4	862.5	862.6	862.7	862.8	863.8	864.8	865.7	866.7	866.7
170°	870.4	870.0	870.0	870.0	870.0	870.0	871.2	872.3	873.3	874.4	874.4
172.5°	876.6	876.2	876.2	876.2	876.2	876.2	877.2	878.2	879.1	880.0	880.0
175°	883.0	882.6	882.6	882.6	882.6	882.6	883.6	884.5	885.4	886.4	886.3
177.5°	886.1	885.8	885.8	885.8	885.8	885.8	886.5	887.3	888.1	888.8	888.8
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5



TEST NUMBER: P332283-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A1

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°	28.7	28.5	28.4	28.2	28.4	28.5	28.7	28.9	28.7	28.3	27.7
95°	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.0	53.4	52.8
97.5°	83.8	83.8	83.7	83.6	83.7	83.8	83.8	83.9	83.6	82.8	82.1
100°	105.0	105.3	105.7	105.9	105.7	105.3	105.0	104.8	104.3	103.9	103.4
102.5°	129.0	128.9	128.9	128.9	128.9	128.9	129.0	129.1	128.9	128.4	128.0
105°	165.0	165.3	165.6	165.9	165.6	165.3	165.0	164.7	164.5	164.5	164.5
107.5°	205.1	204.9	204.7	204.6	204.7	204.9	205.1	205.3	205.2	204.6	204.1
110°	231.7	231.4	231.0	230.8	231.0	231.4	231.7	232.0	231.8	231.2	230.6



TEST NUMBER: P332283-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	258.9	258.8	258.7	258.7	258.7	258.8	258.9	258.9	258.6	257.8	257.1
115°	297.5	297.3	297.1	297.0	297.1	297.3	297.5	297.7	297.7	297.5	297.3
117.5°	337.2	336.8	336.4	335.9	336.4	336.8	337.2	337.6	337.9	337.9	338.0
120°	364.2	363.8	363.6	363.2	363.6	363.8	364.2	364.4	364.7	364.9	365.0
122.5°	390.7	390.3	389.9	389.4	389.9	390.3	390.7	391.2	391.6	392.0	392.4
125°	430.6	430.0	429.4	428.7	429.4	430.0	430.6	431.2	431.9	432.5	433.1
127.5°	470.1	469.4	468.7	468.0	468.7	469.4	470.1	470.8	471.6	472.4	473.3
130°	496.9	495.8	494.7	493.6	494.7	495.8	496.9	497.9	498.8	499.4	500.1
132.5°	522.9	522.0	521.2	520.4	521.2	522.0	522.9	523.7	524.5	525.2	526.0
135°	562.8	562.6	562.2	562.0	562.2	562.6	562.8	563.2	563.7	564.3	564.9
137.5°	600.4	599.8	599.2	598.6	599.2	599.8	600.4	600.9	601.5	602.3	602.9
140°	625.8	624.7	623.7	622.6	623.7	624.7	625.8	627.0	627.5	627.7	627.9
142.5°	649.6	648.8	647.9	647.1	647.9	648.8	649.6	650.5	650.9	651.1	651.3
145°	684.4	683.8	683.1	682.5	683.1	683.8	684.4	685.0	685.4	685.5	685.7
147.5°	716.8	715.9	715.0	714.1	715.0	715.9	716.8	717.7	718.3	718.3	718.3
150°	736.9	736.0	735.0	734.1	735.0	736.0	736.9	737.9	738.3	738.3	738.3
152.5°	756.1	755.3	754.5	753.7	754.5	755.3	756.1	756.9	757.2	756.9	756.6
155°	783.4	782.3	781.2	780.2	781.2	782.3	783.4	784.4	784.7	784.1	783.5
157.5°	806.9	806.0	805.1	804.2	805.1	806.0	806.9	807.7	807.8	807.2	806.6
160°	821.7	821.1	820.5	819.8	820.5	821.1	821.7	822.3	822.2	821.5	820.7
162.5°	834.6	833.6	832.6	831.6	832.6	833.6	834.6	835.5	835.7	834.9	834.1
165°	851.8	850.6	849.5	848.5	849.5	850.6	851.8	852.8	852.9	851.9	851.0
167.5°	865.7	864.8	863.8	862.8	863.8	864.8	865.7	866.7	866.7	865.7	864.8
170°	873.3	872.3	871.2	870.0	871.2	872.3	873.3	874.4	874.4	873.3	872.3
172.5°	878.9	877.8	876.7	875.7	876.7	877.8	878.9	880.0	880.0	879.1	878.2
175°	885.2	884.1	883.0	881.9	883.0	884.1	885.2	886.3	886.4	885.4	884.5
177.5°	887.9	887.0	886.2	885.3	886.2	887.0	887.9	888.8	888.8	888.1	887.3
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5



TEST NUMBER: P332283-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A1

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°	27.3	26.8	25.6	24.5	23.4	22.2	21.0	20.1	19.0	17.9	16.9
95°	52.3	51.6	50.4	49.1	47.9	46.6	45.5	44.4	43.3	42.2	41.1
97.5°	81.4	80.7	79.8	78.9	78.0	77.1	76.3	75.4	74.6	73.8	73.0
100°	103.0	102.5	101.7	100.9	100.1	99.4	98.5	97.6	96.7	95.8	94.8
102.5°	127.5	127.1	126.0	125.0	123.9	123.0	122.2	121.6	121.0	120.5	119.9
105°	164.5	164.5	163.2	161.8	160.3	159.0	158.1	157.8	157.5	157.2	156.9
107.5°	203.7	203.1	202.6	202.1	201.5	200.9	200.5	200.4	200.2	200.0	199.8
110°	230.0	229.3	229.1	228.7	228.5	228.1	227.8	227.5	227.2	226.9	226.6



TEST NUMBER: P332283-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	256.4	255.6	255.6	255.5	255.4	255.3	255.2	255.0	254.9	254.7	254.5
115°	297.1	297.0	297.3	297.7	297.9	298.3	298.2	297.7	297.2	296.8	296.3
117.5°	338.0	338.0	338.4	338.8	339.2	339.6	339.7	339.3	339.0	338.8	338.4
120°	365.2	365.3	366.1	366.8	367.7	368.5	368.4	367.4	366.5	365.5	364.6
122.5°	392.8	393.2	393.6	394.0	394.4	394.8	394.7	394.0	393.3	392.6	392.0
125°	433.7	434.4	434.6	435.0	435.2	435.6	435.5	435.1	434.5	434.1	433.6
127.5°	474.2	475.0	475.4	475.7	476.1	476.4	476.1	475.1	474.1	473.1	472.2
130°	500.6	501.2	501.8	502.2	502.7	503.1	502.7	501.5	500.2	499.0	497.8
132.5°	526.7	527.4	527.8	528.2	528.5	528.9	528.4	527.2	525.9	524.7	523.4
135°	565.5	566.1	566.2	566.4	566.6	566.8	566.3	565.4	564.5	563.6	562.6
137.5°	603.5	604.1	603.8	603.3	603.0	602.5	602.0	601.2	600.4	599.7	598.9
140°	628.0	628.1	628.0	627.9	627.7	627.5	627.1	626.3	625.5	624.7	623.9
142.5°	651.4	651.6	651.3	651.0	650.8	650.5	650.0	649.2	648.4	647.6	646.8
145°	685.9	686.0	685.5	685.1	684.7	684.1	683.8	683.5	683.1	682.9	682.5
147.5°	718.3	718.3	717.8	717.4	716.9	716.5	716.0	715.4	714.9	714.3	713.8
150°	738.3	738.3	738.0	737.7	737.4	737.1	736.7	736.5	736.1	735.8	735.5
152.5°	756.4	756.2	756.0	755.8	755.6	755.5	755.1	754.7	754.2	753.8	753.4
155°	782.8	782.2	782.1	781.9	781.8	781.6	781.5	781.5	781.5	781.5	781.5
157.5°	805.9	805.2	805.1	805.0	804.9	804.8	804.8	804.9	805.1	805.3	805.5
160°	819.9	819.2	819.2	819.2	819.2	819.2	819.3	819.7	819.9	820.3	820.6
162.5°	833.3	832.6	832.4	832.3	832.2	832.1	832.2	832.7	833.1	833.6	833.9
165°	850.1	849.2	849.2	849.2	849.2	849.2	849.4	849.9	850.3	850.8	851.2
167.5°	863.8	862.8	862.7	862.6	862.5	862.4	862.6	863.2	863.8	864.4	865.0
170°	871.2	870.0	870.0	870.0	870.0	870.0	870.4	871.0	871.6	872.3	872.9
172.5°	877.2	876.2	876.2	876.2	876.2	876.2	876.6	877.2	877.8	878.4	879.0
175°	883.6	882.6	882.6	882.6	882.6	882.6	883.0	883.6	884.2	884.8	885.4
177.5°	886.5	885.8	885.8	885.8	885.8	885.8	886.1	886.5	887.1	887.6	888.1
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5



TEST NUMBER: P332283-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A1

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°	17.9	19.0	20.1	21.0	22.2	23.4	24.5	25.6	26.8	27.3	27.7
95°	42.2	43.3	44.4	45.5	46.6	47.9	49.1	50.4	51.6	52.3	52.8
97.5°	73.8	74.6	75.4	76.3	77.1	78.0	78.9	79.8	80.7	81.4	82.1
100°	95.8	96.7	97.6	98.5	99.4	100.1	100.9	101.7	102.5	103.0	103.4
102.5°	120.5	121.0	121.6	122.2	123.0	123.9	125.0	126.0	127.1	127.5	128.0
105°	157.2	157.5	157.8	158.1	159.0	160.3	161.8	163.2	164.5	164.5	164.5
107.5°	200.0	200.2	200.4	200.5	200.9	201.5	202.1	202.6	203.1	203.7	204.1
110°	226.9	227.2	227.5	227.8	228.1	228.5	228.7	229.1	229.3	230.0	230.6



TEST NUMBER: P332283-940

CATALOG NUMBER: S123RDIP-S560D805U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	254.7	254.9	255.0	255.2	255.3	255.4	255.5	255.6	255.6	256.4	257.1
115°	296.8	297.2	297.7	298.2	298.3	297.9	297.7	297.3	297.0	297.1	297.3
117.5°	338.8	339.0	339.3	339.7	339.6	339.2	338.8	338.4	338.0	338.0	338.0
120°	365.5	366.5	367.4	368.4	368.5	367.7	366.8	366.1	365.3	365.2	365.0
122.5°	392.6	393.3	394.0	394.7	394.8	394.4	394.0	393.6	393.2	392.8	392.4
125°	434.1	434.5	435.1	435.5	435.6	435.2	435.0	434.6	434.4	433.7	433.1
127.5°	473.1	474.1	475.1	476.1	476.4	476.1	475.7	475.4	475.0	474.2	473.3
130°	499.0	500.2	501.5	502.7	503.1	502.7	502.2	501.8	501.2	500.6	500.1
132.5°	524.7	525.9	527.2	528.4	528.9	528.5	528.2	527.8	527.4	526.7	526.0
135°	563.6	564.5	565.4	566.3	566.8	566.6	566.4	566.2	566.1	565.5	564.9
137.5°	599.7	600.4	601.2	602.0	602.5	603.0	603.3	603.8	604.1	603.5	602.9
140°	624.7	625.5	626.3	627.1	627.5	627.7	627.9	628.0	628.1	628.0	627.9
142.5°	647.6	648.4	649.2	650.0	650.5	650.8	651.0	651.3	651.6	651.4	651.3
145°	682.9	683.1	683.5	683.8	684.1	684.7	685.1	685.5	686.0	685.9	685.7
147.5°	714.3	714.9	715.4	716.0	716.5	716.9	717.4	717.8	718.3	718.3	718.3
150°	735.8	736.1	736.5	736.7	737.1	737.4	737.7	738.0	738.3	738.3	738.3
152.5°	753.8	754.2	754.7	755.1	755.5	755.6	755.8	756.0	756.2	756.4	756.6
155°	781.5	781.5	781.5	781.5	781.6	781.8	781.9	782.1	782.2	782.8	783.5
157.5°	805.3	805.1	804.9	804.8	804.8	804.9	805.0	805.1	805.2	805.9	806.6
160°	820.3	819.9	819.7	819.3	819.2	819.2	819.2	819.2	819.2	819.9	820.7
162.5°	833.6	833.1	832.7	832.2	832.1	832.2	832.3	832.4	832.6	833.3	834.1
165°	850.8	850.3	849.9	849.4	849.2	849.2	849.2	849.2	849.2	850.1	851.0
167.5°	864.4	863.8	863.2	862.6	862.4	862.5	862.6	862.7	862.8	863.8	864.8
170°	872.3	871.6	871.0	870.4	870.0	870.0	870.0	870.0	870.0	871.2	872.3
172.5°	878.4	877.8	877.2	876.6	876.2	876.2	876.2	876.2	876.2	877.2	878.2
175°	884.8	884.2	883.6	883.0	882.6	882.6	882.6	882.6	882.6	883.6	884.5
177.5°	887.6	887.1	886.5	886.1	885.8	885.8	885.8	885.8	885.8	886.5	887.3
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5



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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°	28.3	28.7	28.9	28.7	28.5	28.4	28.2
95°	53.4	54.0	54.4	54.4	54.4	54.4	54.4
97.5°	82.8	83.6	83.9	83.8	83.8	83.7	83.6
100°	103.9	104.3	104.8	105.0	105.3	105.7	105.9
102.5°	128.4	128.9	129.1	129.0	128.9	128.9	128.9
105°	164.5	164.5	164.7	165.0	165.3	165.6	165.9
107.5°	204.6	205.2	205.3	205.1	204.9	204.7	204.6
110°	231.2	231.8	232.0	231.7	231.4	231.0	230.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	257.8	258.6	258.9	258.9	258.8	258.7	258.7
115°	297.5	297.7	297.7	297.5	297.3	297.1	297.0
117.5°	337.9	337.9	337.6	337.2	336.8	336.4	335.9
120°	364.9	364.7	364.4	364.2	363.8	363.6	363.2
122.5°	392.0	391.6	391.2	390.7	390.3	389.9	389.4
125°	432.5	431.9	431.2	430.6	430.0	429.4	428.7
127.5°	472.4	471.6	470.8	470.1	469.4	468.7	468.0
130°	499.4	498.8	497.9	496.9	495.8	494.7	493.6
132.5°	525.2	524.5	523.7	522.9	522.0	521.2	520.4
135°	564.3	563.7	563.2	562.8	562.6	562.2	562.0
137.5°	602.3	601.5	600.9	600.4	599.8	599.2	598.6
140°	627.7	627.5	627.0	625.8	624.7	623.7	622.6
142.5°	651.1	650.9	650.5	649.6	648.8	647.9	647.1
145°	685.5	685.4	685.0	684.4	683.8	683.1	682.5
147.5°	718.3	718.3	717.7	716.8	715.9	715.0	714.1
150°	738.3	738.3	737.9	736.9	736.0	735.0	734.1
152.5°	756.9	757.2	756.9	756.1	755.3	754.5	753.7
155°	784.1	784.7	784.4	783.4	782.3	781.2	780.2
157.5°	807.2	807.8	807.7	806.9	806.0	805.1	804.2
160°	821.5	822.2	822.3	821.7	821.1	820.5	819.8
162.5°	834.9	835.7	835.5	834.6	833.6	832.6	831.6
165°	851.9	852.9	852.8	851.8	850.6	849.5	848.5
167.5°	865.7	866.7	866.7	865.7	864.8	863.8	862.8
170°	873.3	874.4	874.4	873.3	872.3	871.2	870.0
172.5°	879.1	880.0	880.0	878.9	877.8	876.7	875.7
175°	885.4	886.4	886.3	885.2	884.1	883.0	881.9
177.5°	888.1	888.8	888.8	887.9	887.0	886.2	885.3
180°	887.5	887.5	887.5	887.5	887.5	887.5	887.5

(END OF REPORT)