

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: P332296-927

Luminaire Tested: **S123RDIP-S560D1195U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332296-927  
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-S560D1195U927-4F0-1E-UDD-A4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1195 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5189.0 lumens  
Efficiency: N/A  
Efficacy: 105.0 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-Indirect

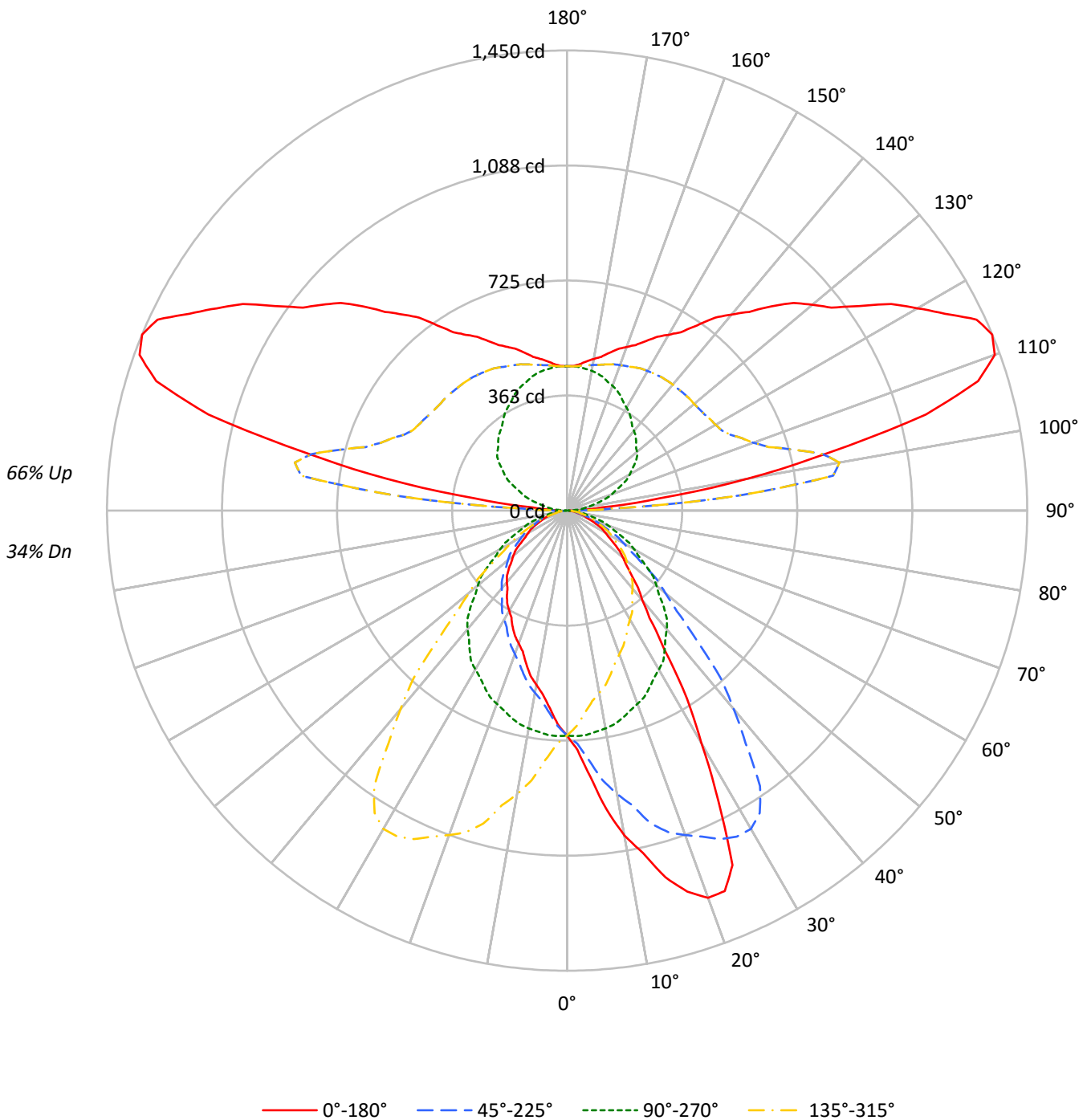
Input Watts (W): 49.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	86	79	74	69	78	72	67	63	58	55	52	45	43	41	33	32	31	25
3	79	70	63	58	71	64	58	53	52	47	44	40	37	35	30	28	27	22
4	72	62	55	49	65	57	50	45	46	41	38	36	33	30	27	25	23	19
5	67	56	48	42	60	51	44	39	41	36	33	32	29	26	24	22	20	17
6	61	50	42	37	55	45	39	34	37	32	29	29	26	23	22	20	18	15
7	57	45	37	32	51	41	34	30	34	29	25	27	23	21	20	18	16	13
8	53	41	33	28	47	37	31	26	31	26	22	25	21	18	19	16	15	12
9	49	37	30	25	44	34	28	23	28	23	20	23	19	17	17	15	13	11
10	46	34	27	23	41	31	25	21	26	21	18	21	17	15	16	14	12	10

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

	0°	90°	180°	270°
0°	7629	7629	7629	7629
5°	9095	7662	6748	7662
10°	11355	7618	6096	7618
15°	13329	7540	5558	7540
20°	14875	7424	5102	7424
25°	14638	7301	4822	7301
30°	10521	7188	4533	7188
35°	7025	7041	4346	7041
40°	5176	6864	4154	6864
45°	4341	6555	3962	6555
50°	3831	6149	3699	6149
55°	3359	5684	3337	5684
60°	2990	5240	3057	5240
65°	2626	4760	2845	4760
70°	2061	4337	2596	4337
75°	1817	3785	2371	3785
80°	1581	3217	2331	3217
85°	1272	2581	2470	2581



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.7	1.3
10°-20°	217.8	4.2
20°-30°	342.1	6.6
30°-40°	356.9	6.9
40°-50°	305.5	5.9
50°-60°	232.8	4.5
60°-70°	149.2	2.9
70°-80°	71.8	1.4
80°-90°	22.5	0.4
90°-100°	253.0	4.9
100°-110°	716.5	13.8
110°-120°	704.8	13.6
120°-130°	562.2	10.8
130°-140°	443.3	8.5
140°-150°	330.8	6.4
150°-160°	230.6	4.4
160°-170°	135.5	2.6
170°-180°	44.1	0.8
0°-30°	629.6	12.1
0°-40°	986.5	19.0
0°-60°	1524.8	29.4
0°-90°	1768.3	34.1
90°-120°	1674.3	32.3
90°-150°	3010.6	58.0
90°-180°	3421.0	65.9
0°-180°	5189.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	842	709	624	709	842	87
15°	1196	677	499	677	1196	339
25°	1232	615	406	615	1232	530
35°	535	536	331	536	535	351
45°	285	431	260	431	285	224
55°	179	303	178	303	179	162
65°	103	187	112	187	103	101
75°	44	91	57	91	44	47
85°	10	21	20	21	10	13
90°	27	2	27	2	27	14
95°	107	31	107	31	107	192
105°	1171	107	1171	107	1171	1155
115°	1424	189	1424	189	1424	1383
125°	1123	262	1123	262	1123	1018
135°	910	307	910	307	910	706
145°	712	351	712	351	712	452
155°	590	398	590	398	590	275
165°	514	435	514	435	514	147
175°	463	454	463	454	463	45
180°	455	455	455	455	455	



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	754.9	755.9	752.7	752.3	748.6	747.7	747.7	742.5	739.3	735.2	732.8
5°	841.7	846.5	844.1	838.7	829.6	827.4	821.7	812.5	802.2	789.5	783.5
7.5°	950.1	956.7	954.1	945.7	936.2	928.4	912.2	897.1	875.9	857.4	841.5
10°	1038.9	1031.9	1026.5	1018.3	1009.5	995.2	978.3	954.9	927.9	906.7	883.0
12.5°	1105.4	1104.3	1097.3	1088.9	1076.5	1063.0	1042.0	1013.6	982.2	951.5	924.5
15°	1196.1	1197.9	1193.3	1184.6	1167.0	1143.0	1111.4	1099.6	1054.7	1021.3	987.9
17.5°	1258.9	1258.5	1257.8	1245.6	1227.7	1210.6	1181.4	1150.2	1109.6	1062.6	1017.6
20°	1298.6	1295.6	1296.2	1282.5	1269.2	1249.5	1221.0	1175.8	1142.4	1088.1	1041.6
22.5°	1297.7	1297.0	1299.3	1294.7	1285.0	1269.9	1247.4	1209.3	1166.6	1111.8	1059.6
25°	1232.5	1230.1	1244.4	1248.2	1263.8	1266.5	1259.8	1238.9	1198.5	1142.1	1077.4
27.5°	1031.5	1030.2	1056.6	1089.7	1131.8	1164.4	1196.0	1211.2	1198.5	1158.1	1093.4
30°	846.5	875.0	888.4	936.4	989.8	1053.4	1109.3	1162.4	1175.4	1157.9	1104.8
32.5°	702.8	727.7	738.9	780.1	829.8	904.4	988.2	1063.3	1116.5	1130.0	1098.0
35°	534.6	535.0	560.4	578.6	624.7	701.5	782.8	883.5	983.7	1059.5	1067.5
37.5°	426.6	428.1	443.5	461.7	496.3	536.9	608.5	692.2	807.9	924.3	992.6
40°	368.4	371.1	382.6	400.5	425.4	456.1	511.9	590.7	687.2	816.8	922.7
42.5°	331.0	335.4	341.4	355.1	370.5	399.3	444.4	505.3	593.0	715.6	837.7
45°	285.2	287.6	292.2	298.6	312.5	332.6	362.9	403.9	476.7	575.3	697.6
47.5°	251.6	250.3	255.1	260.3	269.6	283.2	303.6	337.0	389.0	468.0	571.8
50°	228.8	228.5	231.8	235.8	244.5	254.6	271.2	296.4	337.7	403.2	498.2
52.5°	207.4	208.6	211.0	215.9	222.2	230.3	245.3	263.4	298.9	355.5	434.6
55°	179.0	179.9	183.2	186.0	190.5	198.8	208.2	223.3	247.6	287.0	352.3
57.5°	155.0	154.6	157.8	158.4	163.6	170.2	177.5	189.3	206.9	236.2	280.2
60°	138.9	138.1	140.8	142.9	145.6	151.1	157.2	168.7	182.7	204.2	241.9
62.5°	124.4	124.0	126.0	128.1	130.3	135.3	140.5	149.2	160.3	178.5	208.3
65°	103.1	104.1	105.0	105.9	107.1	110.1	115.0	121.0	128.7	141.4	163.0
67.5°	81.0	82.0	82.3	84.1	86.7	88.6	91.7	97.0	102.3	113.0	125.3
70°	65.5	65.2	65.5	66.5	69.8	73.1	77.1	81.0	84.4	92.0	102.3
72.5°	56.3	55.8	56.6	56.7	58.4	59.3	61.8	65.5	69.8	74.9	82.4
75°	43.7	43.7	43.7	43.7	44.9	45.6	46.4	47.4	48.9	51.3	56.7
77.5°	32.3	32.3	32.8	33.0	33.4	33.7	34.2	35.2	35.6	37.0	39.3
80°	25.5	25.8	25.5	25.8	25.8	26.4	26.7	27.6	27.9	29.5	30.3
82.5°	19.2	19.0	19.2	19.5	19.5	20.1	20.1	20.8	20.9	21.6	22.6
85°	10.3	9.7	10.3	10.0	10.6	10.0	10.3	10.9	10.9	11.2	12.4
87.5°	7.8	8.4	7.8	7.8	8.0	7.9	7.7	7.5	7.8	7.8	7.4
90°	26.7	27.6	26.7	25.7	26.7	24.9	23.9	23.0	22.1	23.0	20.3
92.5°	44.4	46.0	45.1	47.8	49.5	54.3	61.5	77.5	106.8	141.6	155.7
95°	106.8	110.4	116.9	125.2	142.7	175.8	224.6	331.4	442.7	545.8	486.0
97.5°	290.7	298.6	323.4	364.9	432.8	542.9	661.6	825.9	904.9	845.8	619.2
100°	577.1	576.2	612.0	679.2	772.2	902.9	1010.6	1085.1	1053.0	871.6	589.1
102.5°	846.6	867.8	897.8	950.9	1023.3	1106.1	1168.9	1171.3	1060.3	823.8	544.9
105°	1170.8	1175.4	1204.8	1239.8	1282.1	1306.1	1288.6	1196.5	1004.2	740.0	490.6
107.5°	1357.4	1365.9	1375.8	1387.6	1386.9	1354.1	1273.4	1123.9	905.9	666.0	456.0
110°	1434.0	1435.8	1437.7	1430.3	1404.5	1340.1	1224.2	1054.8	844.0	624.0	442.7



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1449.5	1449.1	1442.1	1419.3	1372.1	1289.3	1159.4	986.3	790.3	596.0	435.4
115°	1423.9	1419.3	1400.8	1360.3	1291.3	1191.0	1055.7	895.6	725.2	566.0	432.6
117.5°	1342.5	1336.3	1309.7	1263.4	1191.4	1089.6	968.0	829.8	686.0	548.3	434.3
120°	1274.8	1269.2	1247.1	1195.6	1122.9	1029.9	919.5	795.2	665.4	540.3	437.2
122.5°	1211.4	1204.4	1180.1	1133.8	1069.1	982.8	880.4	767.9	648.5	535.1	442.4
125°	1122.9	1116.4	1093.4	1053.0	994.0	920.4	832.0	731.7	626.8	528.3	450.0
127.5°	1050.0	1044.1	1023.3	988.7	936.2	869.2	789.5	700.1	607.7	525.0	458.9
130°	1008.8	1001.4	982.1	949.0	900.2	837.6	763.0	680.2	597.3	522.8	464.8
132.5°	968.3	963.1	945.9	912.8	867.0	807.4	738.0	661.8	587.8	522.0	469.2
135°	910.3	903.8	887.2	859.7	814.5	762.1	702.3	636.9	575.3	520.9	475.9
137.5°	849.0	844.7	830.8	802.8	764.9	719.4	667.8	614.3	564.4	518.9	480.3
140°	806.3	807.2	792.5	766.7	731.7	692.1	647.9	601.0	557.8	518.2	483.2
142.5°	766.5	767.4	754.2	731.3	701.6	667.1	628.8	588.5	551.8	516.7	485.4
145°	711.5	709.6	702.3	682.9	659.9	633.3	603.8	573.4	544.0	514.5	486.9
147.5°	666.1	665.4	658.5	645.4	627.9	609.0	585.2	561.1	536.2	511.0	486.9
150°	639.7	639.7	634.1	624.0	610.2	592.7	573.4	552.2	531.1	508.0	486.9
152.5°	617.6	617.6	614.3	604.9	594.1	579.5	562.4	544.2	525.2	504.4	484.7
155°	589.9	589.1	587.2	579.9	571.6	560.5	546.7	532.0	516.3	498.0	482.3
157.5°	564.7	564.9	563.5	557.9	550.7	542.1	531.5	519.1	506.4	492.3	479.2
160°	548.6	549.5	549.5	544.0	537.5	531.1	521.9	511.7	499.8	487.8	477.7
162.5°	533.9	534.7	534.7	530.0	525.7	520.0	511.6	502.9	493.1	483.4	474.8
165°	514.5	514.5	515.4	511.7	508.0	503.4	497.0	491.5	484.1	476.7	470.3
167.5°	496.1	496.1	497.0	494.4	492.8	489.5	485.8	481.6	475.5	470.2	465.9
170°	485.1	485.1	486.0	484.1	483.2	481.3	477.7	474.9	470.3	465.7	463.0
172.5°	474.8	475.5	477.1	475.3	475.1	474.0	471.0	469.1	465.2	462.0	460.7
175°	463.0	463.9	464.8	463.9	463.9	463.9	462.0	461.1	459.3	457.4	457.4
177.5°	456.1	456.1	457.6	456.9	457.6	457.6	456.9	456.1	455.4	454.7	455.4
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	731.8	731.1	727.7	723.8	718.7	715.3	712.6	711.2	706.9	701.5	697.8
5°	777.1	767.9	758.3	746.4	735.5	724.3	717.3	709.1	699.1	687.9	679.9
7.5°	825.5	807.6	788.4	768.6	748.9	731.3	715.8	702.5	686.6	670.5	659.2
10°	862.6	836.5	809.5	781.9	756.7	733.1	714.9	697.0	677.9	659.3	645.4
12.5°	896.4	862.1	830.9	796.9	764.8	736.5	710.3	689.2	666.2	646.5	630.6
15°	939.1	903.9	866.3	814.7	771.9	736.1	704.3	676.6	648.7	624.5	609.0
17.5°	979.0	926.1	875.5	832.4	776.9	732.1	693.2	660.2	629.6	603.9	584.8
20°	995.5	944.3	889.3	834.4	779.8	729.8	684.5	648.1	616.2	587.1	569.5
22.5°	1005.4	947.4	889.5	830.5	772.5	720.5	675.8	635.7	601.2	573.5	551.8
25°	1017.1	947.8	884.2	825.9	766.8	710.3	657.2	614.7	577.4	548.0	524.9
27.5°	1024.7	943.3	868.0	803.3	743.2	687.1	638.4	593.3	555.5	524.3	499.6
30°	1026.2	939.7	855.6	785.5	724.5	673.0	621.4	578.3	538.3	505.2	482.1
32.5°	1028.1	930.7	838.9	764.5	702.0	650.9	604.2	563.0	522.0	489.4	465.9
35°	1020.1	925.7	813.5	727.9	665.4	615.9	573.8	535.8	495.5	463.9	440.0
37.5°	985.6	906.0	787.1	686.7	621.4	575.6	541.2	508.2	471.2	437.1	414.5
40°	950.9	886.6	766.8	661.8	593.5	546.4	515.5	488.5	452.7	420.8	396.6
42.5°	899.2	860.2	747.3	635.6	561.9	516.6	490.5	465.2	433.8	401.4	378.6
45°	804.4	809.5	707.6	593.8	518.2	472.7	448.1	430.6	402.7	376.0	352.6
47.5°	685.4	733.6	660.9	549.3	472.2	429.4	408.0	392.6	373.8	347.6	326.3
50°	607.8	676.6	623.5	519.4	443.3	400.8	379.6	367.2	350.8	330.1	309.8
52.5°	536.1	610.1	578.4	486.2	412.0	373.1	352.4	342.1	329.2	309.7	291.4
55°	437.2	512.1	504.9	436.0	365.0	330.1	314.3	302.9	294.0	279.5	264.9
57.5°	353.6	424.7	428.5	380.2	323.6	289.1	275.6	266.9	261.1	250.2	236.7
60°	301.0	366.2	379.0	342.5	294.0	263.6	250.3	243.4	238.8	230.0	219.7
62.5°	257.3	312.8	327.3	301.0	265.6	237.2	226.8	220.1	217.0	209.4	200.3
65°	196.9	243.0	257.0	242.4	223.9	201.1	192.7	186.9	184.2	179.9	173.3
67.5°	148.1	181.7	197.0	186.7	180.1	165.6	160.3	157.2	154.7	151.9	146.2
70°	118.9	143.9	159.6	156.9	151.4	143.9	139.9	137.8	135.3	132.9	128.0
72.5°	95.6	112.7	127.5	129.0	124.5	122.9	119.5	118.6	117.1	114.2	111.5
75°	63.5	75.3	85.6	89.5	91.3	92.8	91.3	91.0	90.7	88.3	86.7
77.5°	41.6	47.9	54.4	61.2	64.0	66.1	66.5	67.7	66.9	65.6	64.9
80°	31.8	33.4	37.9	43.7	48.2	50.1	51.3	51.9	51.6	51.3	50.1
82.5°	23.1	24.4	26.5	30.6	34.4	37.5	38.2	38.0	38.7	38.9	37.9
85°	12.4	12.8	13.4	13.9	16.1	19.4	20.4	20.9	21.5	21.5	19.7
87.5°	7.4	6.6	6.5	6.2	6.5	6.2	7.3	8.2	8.7	8.2	8.7
90°	17.5	14.7	12.0	10.1	8.3	5.5	3.6	1.8	3.6	5.5	8.3
92.5°	116.9	77.3	53.2	39.6	31.8	24.6	17.0	11.4	17.0	24.6	31.8
95°	335.0	197.9	119.6	83.7	59.8	44.2	34.1	31.3	34.1	44.2	59.8
97.5°	367.6	213.0	138.2	99.4	75.8	62.2	54.3	53.4	54.3	62.2	75.8
100°	347.0	210.8	146.3	110.4	88.3	75.5	69.0	68.1	69.0	75.5	88.3
102.5°	329.3	213.7	155.9	122.9	103.1	90.9	85.2	83.6	85.2	90.9	103.1
105°	316.6	221.8	172.1	143.5	126.1	115.0	109.6	106.8	109.6	115.0	126.1
107.5°	315.7	236.9	193.3	166.8	150.4	139.5	134.2	131.4	134.2	139.5	150.4
110°	319.4	249.5	208.0	182.2	166.6	156.5	151.9	149.1	151.9	156.5	166.6





TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	326.8	262.0	223.5	198.4	182.8	172.7	168.1	165.3	168.1	172.7	182.8
115°	338.7	282.6	247.6	222.8	207.1	197.9	192.3	188.7	192.3	197.9	207.1
117.5°	354.5	304.4	269.9	246.8	229.3	220.9	216.3	212.1	216.3	220.9	229.3
120°	366.3	318.5	285.3	262.3	244.9	235.6	231.0	228.2	231.0	235.6	244.9
122.5°	377.4	333.2	300.8	276.3	259.5	249.6	245.0	242.2	245.0	249.6	259.5
125°	394.8	354.3	322.1	297.3	279.8	269.7	264.2	262.3	264.2	269.7	279.8
127.5°	409.2	372.7	341.7	316.8	297.5	287.2	280.4	277.6	280.4	287.2	297.5
130°	418.7	383.8	353.4	328.6	309.3	298.2	289.9	287.2	289.9	298.2	309.3
132.5°	427.6	393.4	363.8	339.6	320.3	307.0	298.0	294.5	298.0	307.0	320.3
135°	439.0	407.7	379.2	354.3	335.0	321.2	311.1	307.4	311.1	321.2	335.0
137.5°	447.5	417.6	390.2	367.3	348.1	333.4	323.4	319.6	323.4	333.4	348.1
140°	451.9	424.3	397.6	374.6	356.2	341.4	332.2	327.6	332.2	341.4	356.2
142.5°	456.3	429.4	403.5	382.0	363.5	350.3	340.4	336.5	340.4	350.3	363.5
145°	461.1	436.3	412.3	391.2	375.5	361.7	353.4	350.7	353.4	361.7	375.5
147.5°	464.1	441.8	419.9	401.9	386.7	374.8	366.7	365.0	366.7	374.8	386.7
150°	464.8	445.4	424.3	407.7	394.8	382.9	375.5	374.6	375.5	382.9	394.8
152.5°	466.3	447.7	429.4	413.6	402.2	391.7	384.4	384.2	384.4	391.7	402.2
155°	466.7	451.9	436.3	423.3	413.3	404.1	398.5	398.5	398.5	404.1	413.3
157.5°	467.5	454.3	441.8	431.8	423.2	415.1	410.7	410.0	410.7	415.1	423.2
160°	467.5	456.5	445.4	436.3	429.8	422.5	418.7	418.7	418.7	422.5	429.8
162.5°	466.8	457.2	447.7	440.0	434.3	428.3	425.4	425.4	425.4	428.3	434.3
165°	464.8	458.4	451.0	444.6	440.8	436.3	434.4	435.4	434.4	436.3	440.8
167.5°	463.3	458.2	452.8	448.8	446.2	442.7	441.8	442.9	441.8	442.7	446.2
170°	461.1	457.4	452.8	451.0	449.2	446.4	445.4	447.3	445.4	446.4	449.2
172.5°	460.4	457.4	453.6	452.5	451.4	449.3	449.2	450.3	449.2	449.3	451.4
175°	458.4	456.5	454.7	453.8	453.8	451.9	452.8	453.8	452.8	451.9	453.8
177.5°	456.9	455.4	454.7	454.7	454.7	453.9	454.7	455.4	454.7	453.9	454.7
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	696.6	693.5	691.3	686.4	683.3	679.9	676.5	678.7	678.4	678.2	678.2
5°	673.3	666.3	660.0	651.7	646.6	640.2	635.3	634.8	636.0	631.7	629.3
7.5°	650.1	640.6	631.5	622.5	612.9	605.2	600.5	598.3	595.2	592.6	589.8
10°	633.8	622.7	613.8	602.6	592.3	583.2	577.4	573.5	571.3	569.2	565.3
12.5°	617.1	606.1	594.8	582.2	572.4	561.8	557.5	553.1	549.0	546.6	541.2
15°	592.6	578.3	566.5	553.1	542.2	531.9	525.9	517.1	515.8	512.8	507.3
17.5°	568.0	552.5	536.2	526.3	514.0	503.3	494.0	491.1	482.4	479.1	474.4
20°	548.6	534.3	521.9	508.8	490.9	480.9	473.6	469.7	462.7	458.4	455.4
22.5°	531.9	517.3	503.0	487.7	472.9	461.8	456.4	450.3	446.5	440.5	437.2
25°	507.9	492.2	474.8	458.4	447.8	439.3	430.9	425.4	419.9	417.2	411.1
27.5°	480.1	463.7	447.5	435.1	422.0	413.6	405.9	401.1	394.5	389.9	386.6
30°	464.9	445.4	431.5	420.3	403.5	395.7	389.9	383.8	379.0	374.1	370.7
32.5°	447.1	429.4	416.1	402.3	389.4	380.9	373.4	368.0	363.9	359.3	356.0
35°	419.3	404.5	390.8	376.8	367.4	358.6	349.8	345.3	341.4	337.1	334.1
37.5°	394.2	380.3	367.3	354.1	342.5	335.3	328.2	324.7	319.4	316.6	313.5
40°	378.7	365.0	351.1	338.3	326.1	320.8	314.3	309.2	304.4	302.2	298.9
42.5°	361.7	348.0	336.3	322.5	312.6	305.1	299.3	293.7	290.0	286.9	285.0
45°	336.5	324.3	312.8	299.2	289.8	283.4	276.7	271.6	268.2	266.1	262.8
47.5°	312.0	299.9	288.2	276.3	267.2	259.9	253.3	249.6	245.3	242.6	240.3
50°	294.3	283.4	270.9	260.0	251.0	243.7	238.2	233.6	229.7	226.3	224.8
52.5°	278.1	266.4	255.6	245.5	235.9	227.6	222.7	217.9	214.9	211.0	209.3
55°	251.2	240.0	230.9	220.9	211.5	204.5	198.4	194.2	191.2	186.9	184.5
57.5°	226.0	215.9	205.1	196.5	186.7	180.9	175.8	170.0	166.4	163.0	160.7
60°	209.1	197.5	188.1	179.9	171.4	163.8	159.3	154.7	150.8	147.4	145.4
62.5°	191.3	181.3	172.4	163.4	155.7	149.0	143.8	139.9	136.5	134.4	132.2
65°	164.1	156.3	147.2	139.9	132.6	127.8	123.5	120.2	117.7	116.2	114.4
67.5°	139.2	131.5	123.6	116.4	111.5	107.8	105.0	102.2	101.0	99.0	97.8
70°	122.9	115.0	108.1	102.6	97.7	95.0	93.2	91.0	89.8	87.4	86.2
72.5°	105.2	99.5	94.4	89.9	86.0	83.6	81.3	78.7	76.7	74.1	72.8
75°	82.9	77.7	73.8	70.7	68.3	65.0	61.6	58.9	58.0	57.0	56.7
77.5°	61.3	58.1	55.2	52.7	49.7	47.2	46.5	45.9	45.7	45.2	45.2
80°	48.2	45.2	43.1	40.1	38.3	38.3	38.3	37.6	37.9	37.9	37.9
82.5°	35.9	33.0	31.9	30.8	30.5	30.7	30.7	30.8	30.7	31.1	30.9
85°	18.5	18.8	19.4	19.1	19.4	19.4	20.0	19.7	20.0	19.4	20.0
87.5°	8.8	9.9	10.7	11.5	12.3	12.6	12.7	12.8	13.3	13.5	13.9
90°	10.1	12.0	14.7	17.5	20.3	23.0	22.1	23.0	23.9	24.9	26.7
92.5°	39.6	53.2	77.3	116.9	155.7	141.6	106.8	77.5	61.5	54.3	49.5
95°	83.7	119.6	197.9	335.0	486.0	545.8	442.7	331.4	224.6	175.8	142.7
97.5°	99.4	138.2	213.0	367.6	619.2	845.8	904.9	825.9	661.6	542.9	432.8
100°	110.4	146.3	210.8	347.0	589.1	871.6	1053.0	1085.1	1010.6	902.9	772.2
102.5°	122.9	155.9	213.7	329.3	544.9	823.8	1060.3	1171.3	1168.9	1106.1	1023.3
105°	143.5	172.1	221.8	316.6	490.6	740.0	1004.2	1196.5	1288.6	1306.1	1282.1
107.5°	166.8	193.3	236.9	315.7	456.0	666.0	905.9	1123.9	1273.4	1354.1	1386.9
110°	182.2	208.0	249.5	319.4	442.7	624.0	844.0	1054.8	1224.2	1340.1	1404.5



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	198.4	223.5	262.0	326.8	435.4	596.0	790.3	986.3	1159.4	1289.3	1372.1
115°	222.8	247.6	282.6	338.7	432.6	566.0	725.2	895.6	1055.7	1191.0	1291.3
117.5°	246.8	269.9	304.4	354.5	434.3	548.3	686.0	829.8	968.0	1089.6	1191.4
120°	262.3	285.3	318.5	366.3	437.2	540.3	665.4	795.2	919.5	1029.9	1122.9
122.5°	276.3	300.8	333.2	377.4	442.4	535.1	648.5	767.9	880.4	982.8	1069.1
125°	297.3	322.1	354.3	394.8	450.0	528.3	626.8	731.7	832.0	920.4	994.0
127.5°	316.8	341.7	372.7	409.2	458.9	525.0	607.7	700.1	789.5	869.2	936.2
130°	328.6	353.4	383.8	418.7	464.8	522.8	597.3	680.2	763.0	837.6	900.2
132.5°	339.6	363.8	393.4	427.6	469.2	522.0	587.8	661.8	738.0	807.4	867.0
135°	354.3	379.2	407.7	439.0	475.9	520.9	575.3	636.9	702.3	762.1	814.5
137.5°	367.3	390.2	417.6	447.5	480.3	518.9	564.4	614.3	667.8	719.4	764.9
140°	374.6	397.6	424.3	451.9	483.2	518.2	557.8	601.0	647.9	692.1	731.7
142.5°	382.0	403.5	429.4	456.3	485.4	516.7	551.8	588.5	628.8	667.1	701.6
145°	391.2	412.3	436.3	461.1	486.9	514.5	544.0	573.4	603.8	633.3	659.9
147.5°	401.9	419.9	441.8	464.1	486.9	511.0	536.2	561.1	585.2	609.0	627.9
150°	407.7	424.3	445.4	464.8	486.9	508.0	531.1	552.2	573.4	592.7	610.2
152.5°	413.6	429.4	447.7	466.3	484.7	504.4	525.2	544.2	562.4	579.5	594.1
155°	423.3	436.3	451.9	466.7	482.3	498.0	516.3	532.0	546.7	560.5	571.6
157.5°	431.8	441.8	454.3	467.5	479.2	492.3	506.4	519.1	531.5	542.1	550.7
160°	436.3	445.4	456.5	467.5	477.7	487.8	499.8	511.7	521.9	531.1	537.5
162.5°	440.0	447.7	457.2	466.8	474.8	483.4	493.1	502.9	511.6	520.0	525.7
165°	444.6	451.0	458.4	464.8	470.3	476.7	484.1	491.5	497.0	503.4	508.0
167.5°	448.8	452.8	458.2	463.3	465.9	470.2	475.5	481.6	485.8	489.5	492.8
170°	451.0	452.8	457.4	461.1	463.0	465.7	470.3	474.9	477.7	481.3	483.2
172.5°	452.5	453.6	457.4	460.4	460.7	462.0	465.2	469.1	471.0	474.0	475.1
175°	453.8	454.7	456.5	458.4	457.4	457.4	459.3	461.1	462.0	463.9	463.9
177.5°	454.7	454.7	455.4	456.9	455.4	454.7	455.4	456.1	456.9	457.6	457.6
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	675.3	675.0	675.3	674.3	675.3	675.0	675.3	678.2	678.2	678.4	678.7
5°	628.4	628.0	627.2	624.5	627.2	628.0	628.4	629.3	631.7	636.0	634.8
7.5°	587.4	587.0	584.3	584.4	584.3	587.0	587.4	589.8	592.6	595.2	598.3
10°	563.2	563.5	559.8	557.7	559.8	563.5	563.2	565.3	569.2	571.3	573.5
12.5°	539.6	538.2	535.3	532.9	535.3	538.2	539.6	541.2	546.6	549.0	553.1
15°	508.5	505.5	498.2	498.8	498.2	505.5	508.5	507.3	512.8	515.8	517.1
17.5°	471.9	469.7	469.6	465.3	469.6	469.7	471.9	474.4	479.1	482.4	491.1
20°	450.6	449.1	449.6	445.4	449.6	449.1	450.6	455.4	458.4	462.7	469.7
22.5°	433.8	432.3	429.8	428.4	429.8	432.3	433.8	437.2	440.5	446.5	450.3
25°	409.3	406.9	404.5	406.0	404.5	406.9	409.3	411.1	417.2	419.9	425.4
27.5°	384.8	382.9	380.6	380.2	380.6	382.9	384.8	386.6	389.9	394.5	401.1
30°	369.2	367.4	366.2	364.7	366.2	367.4	369.2	370.7	374.1	379.0	383.8
32.5°	353.5	353.2	350.9	350.6	350.9	353.2	353.5	356.0	359.3	363.9	368.0
35°	332.9	331.1	330.4	330.7	330.4	331.1	332.9	334.1	337.1	341.4	345.3
37.5°	313.2	310.9	309.7	308.6	309.7	310.9	313.2	313.5	316.6	319.4	324.7
40°	299.2	296.8	296.1	295.6	296.1	296.8	299.2	298.9	302.2	304.4	309.2
42.5°	283.4	282.4	282.1	281.0	282.1	282.4	283.4	285.0	286.9	290.0	293.7
45°	261.8	261.6	259.8	260.3	259.8	261.6	261.8	262.8	266.1	268.2	271.6
47.5°	239.2	237.8	236.5	237.4	236.5	237.8	239.2	240.3	242.6	245.3	249.6
50°	223.6	223.0	220.3	220.9	220.3	223.0	223.6	224.8	226.3	229.7	233.6
52.5°	208.1	205.8	204.8	204.4	204.8	205.8	208.1	209.3	211.0	214.9	217.9
55°	182.4	179.6	178.4	177.8	178.4	179.6	182.4	184.5	186.9	191.2	194.2
57.5°	157.1	156.4	155.4	156.1	155.4	156.4	157.1	160.7	163.0	166.4	170.0
60°	142.3	142.3	142.3	142.0	142.3	142.3	142.3	145.4	147.4	150.8	154.7
62.5°	130.9	130.2	129.9	130.3	129.9	130.2	130.9	132.2	134.4	136.5	139.9
65°	113.4	113.2	111.9	111.7	111.9	113.2	113.4	114.4	116.2	117.7	120.2
67.5°	97.0	95.9	95.6	95.1	95.6	95.9	97.0	97.8	99.0	101.0	102.2
70°	84.7	84.1	82.2	82.5	82.2	84.1	84.7	86.2	87.4	89.8	91.0
72.5°	71.3	70.7	70.3	69.9	70.3	70.7	71.3	72.8	74.1	76.7	78.7
75°	56.4	56.2	55.8	57.0	55.8	56.2	56.4	56.7	57.0	58.0	58.9
77.5°	45.2	45.2	45.4	44.9	45.4	45.2	45.2	45.2	45.2	45.7	45.9
80°	37.9	37.9	37.6	37.6	37.6	37.9	37.9	37.9	37.9	37.9	37.6
82.5°	30.4	30.7	30.8	30.3	30.8	30.7	30.4	30.9	31.1	30.7	30.8
85°	20.0	19.7	20.4	20.0	20.4	19.7	20.0	20.0	19.4	20.0	19.7
87.5°	14.1	13.9	14.0	14.1	14.0	13.9	14.1	13.9	13.5	13.3	12.8
90°	25.7	26.7	27.6	26.7	27.6	26.7	25.7	26.7	24.9	23.9	23.0
92.5°	47.8	45.1	46.0	44.4	46.0	45.1	47.8	49.5	54.3	61.5	77.5
95°	125.2	116.9	110.4	106.8	110.4	116.9	125.2	142.7	175.8	224.6	331.4
97.5°	364.9	323.4	298.6	290.7	298.6	323.4	364.9	432.8	542.9	661.6	825.9
100°	679.2	612.0	576.2	577.1	576.2	612.0	679.2	772.2	902.9	1010.6	1085.1
102.5°	950.9	897.8	867.8	846.6	867.8	897.8	950.9	1023.3	1106.1	1168.9	1171.3
105°	1239.8	1204.8	1175.4	1170.8	1175.4	1204.8	1239.8	1282.1	1306.1	1288.6	1196.5
107.5°	1387.6	1375.8	1365.9	1357.4	1365.9	1375.8	1387.6	1386.9	1354.1	1273.4	1123.9
110°	1430.3	1437.7	1435.8	1434.0	1435.8	1437.7	1430.3	1404.5	1340.1	1224.2	1054.8



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1419.3	1442.1	1449.1	1449.5	1449.1	1442.1	1419.3	1372.1	1289.3	1159.4	986.3
115°	1360.3	1400.8	1419.3	1423.9	1419.3	1400.8	1360.3	1291.3	1191.0	1055.7	895.6
117.5°	1263.4	1309.7	1336.3	1342.5	1336.3	1309.7	1263.4	1191.4	1089.6	968.0	829.8
120°	1195.6	1247.1	1269.2	1274.8	1269.2	1247.1	1195.6	1122.9	1029.9	919.5	795.2
122.5°	1133.8	1180.1	1204.4	1211.4	1204.4	1180.1	1133.8	1069.1	982.8	880.4	767.9
125°	1053.0	1093.4	1116.4	1122.9	1116.4	1093.4	1053.0	994.0	920.4	832.0	731.7
127.5°	988.7	1023.3	1044.1	1050.0	1044.1	1023.3	988.7	936.2	869.2	789.5	700.1
130°	949.0	982.1	1001.4	1008.8	1001.4	982.1	949.0	900.2	837.6	763.0	680.2
132.5°	912.8	945.9	963.1	968.3	963.1	945.9	912.8	867.0	807.4	738.0	661.8
135°	859.7	887.2	903.8	910.3	903.8	887.2	859.7	814.5	762.1	702.3	636.9
137.5°	802.8	830.8	844.7	849.0	844.7	830.8	802.8	764.9	719.4	667.8	614.3
140°	766.7	792.5	807.2	806.3	807.2	792.5	766.7	731.7	692.1	647.9	601.0
142.5°	731.3	754.2	767.4	766.5	767.4	754.2	731.3	701.6	667.1	628.8	588.5
145°	682.9	702.3	709.6	711.5	709.6	702.3	682.9	659.9	633.3	603.8	573.4
147.5°	645.4	658.5	665.4	666.1	665.4	658.5	645.4	627.9	609.0	585.2	561.1
150°	624.0	634.1	639.7	639.7	639.7	634.1	624.0	610.2	592.7	573.4	552.2
152.5°	604.9	614.3	617.6	617.6	617.6	614.3	604.9	594.1	579.5	562.4	544.2
155°	579.9	587.2	589.1	589.9	589.1	587.2	579.9	571.6	560.5	546.7	532.0
157.5°	557.9	563.5	564.9	564.7	564.9	563.5	557.9	550.7	542.1	531.5	519.1
160°	544.0	549.5	549.5	548.6	549.5	549.5	544.0	537.5	531.1	521.9	511.7
162.5°	530.0	534.7	534.7	533.9	534.7	534.7	530.0	525.7	520.0	511.6	502.9
165°	511.7	515.4	514.5	514.5	514.5	515.4	511.7	508.0	503.4	497.0	491.5
167.5°	494.4	497.0	496.1	496.1	496.1	497.0	494.4	492.8	489.5	485.8	481.6
170°	484.1	486.0	485.1	485.1	485.1	486.0	484.1	483.2	481.3	477.7	474.9
172.5°	475.3	477.1	475.5	474.8	475.5	477.1	475.3	475.1	474.0	471.0	469.1
175°	463.9	464.8	463.9	463.0	463.9	464.8	463.9	463.9	463.9	462.0	461.1
177.5°	456.9	457.6	456.1	456.1	456.1	457.6	456.9	457.6	457.6	456.9	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	676.5	679.9	683.3	686.4	691.3	693.5	696.6	697.8	701.5	706.9	711.2
5°	635.3	640.2	646.6	651.7	660.0	666.3	673.3	679.9	687.9	699.1	709.1
7.5°	600.5	605.2	612.9	622.5	631.5	640.6	650.1	659.2	670.5	686.6	702.5
10°	577.4	583.2	592.3	602.6	613.8	622.7	633.8	645.4	659.3	677.9	697.0
12.5°	557.5	561.8	572.4	582.2	594.8	606.1	617.1	630.6	646.5	666.2	689.2
15°	525.9	531.9	542.2	553.1	566.5	578.3	592.6	609.0	624.5	648.7	676.6
17.5°	494.0	503.3	514.0	526.3	536.2	552.5	568.0	584.8	603.9	629.6	660.2
20°	473.6	480.9	490.9	508.8	521.9	534.3	548.6	569.5	587.1	616.2	648.1
22.5°	456.4	461.8	472.9	487.7	503.0	517.3	531.9	551.8	573.5	601.2	635.7
25°	430.9	439.3	447.8	458.4	474.8	492.2	507.9	524.9	548.0	577.4	614.7
27.5°	405.9	413.6	422.0	435.1	447.5	463.7	480.1	499.6	524.3	555.5	593.3
30°	389.9	395.7	403.5	420.3	431.5	445.4	464.9	482.1	505.2	538.3	578.3
32.5°	373.4	380.9	389.4	402.3	416.1	429.4	447.1	465.9	489.4	522.0	563.0
35°	349.8	358.6	367.4	376.8	390.8	404.5	419.3	440.0	463.9	495.5	535.8
37.5°	328.2	335.3	342.5	354.1	367.3	380.3	394.2	414.5	437.1	471.2	508.2
40°	314.3	320.8	326.1	338.3	351.1	365.0	378.7	396.6	420.8	452.7	488.5
42.5°	299.3	305.1	312.6	322.5	336.3	348.0	361.7	378.6	401.4	433.8	465.2
45°	276.7	283.4	289.8	299.2	312.8	324.3	336.5	352.6	376.0	402.7	430.6
47.5°	253.3	259.9	267.2	276.3	288.2	299.9	312.0	326.3	347.6	373.8	392.6
50°	238.2	243.7	251.0	260.0	270.9	283.4	294.3	309.8	330.1	350.8	367.2
52.5°	222.7	227.6	235.9	245.5	255.6	266.4	278.1	291.4	309.7	329.2	342.1
55°	198.4	204.5	211.5	220.9	230.9	240.0	251.2	264.9	279.5	294.0	302.9
57.5°	175.8	180.9	186.7	196.5	205.1	215.9	226.0	236.7	250.2	261.1	266.9
60°	159.3	163.8	171.4	179.9	188.1	197.5	209.1	219.7	230.0	238.8	243.4
62.5°	143.8	149.0	155.7	163.4	172.4	181.3	191.3	200.3	209.4	217.0	220.1
65°	123.5	127.8	132.6	139.9	147.2	156.3	164.1	173.3	179.9	184.2	186.9
67.5°	105.0	107.8	111.5	116.4	123.6	131.5	139.2	146.2	151.9	154.7	157.2
70°	93.2	95.0	97.7	102.6	108.1	115.0	122.9	128.0	132.9	135.3	137.8
72.5°	81.3	83.6	86.0	89.9	94.4	99.5	105.2	111.5	114.2	117.1	118.6
75°	61.6	65.0	68.3	70.7	73.8	77.7	82.9	86.7	88.3	90.7	91.0
77.5°	46.5	47.2	49.7	52.7	55.2	58.1	61.3	64.9	65.6	66.9	67.7
80°	38.3	38.3	38.3	40.1	43.1	45.2	48.2	50.1	51.3	51.6	51.9
82.5°	30.7	30.7	30.5	30.8	31.9	33.0	35.9	37.9	38.9	38.7	38.0
85°	20.0	19.4	19.4	19.1	19.4	18.8	18.5	19.7	21.5	21.5	20.9
87.5°	12.7	12.6	12.3	11.5	10.7	9.9	8.8	8.7	8.2	8.7	8.2
90°	22.1	23.0	20.3	17.5	14.7	12.0	10.1	8.3	5.5	3.6	1.8
92.5°	106.8	141.6	155.7	116.9	77.3	53.2	39.6	31.8	24.6	17.0	11.4
95°	442.7	545.8	486.0	335.0	197.9	119.6	83.7	59.8	44.2	34.1	31.3
97.5°	904.9	845.8	619.2	367.6	213.0	138.2	99.4	75.8	62.2	54.3	53.4
100°	1053.0	871.6	589.1	347.0	210.8	146.3	110.4	88.3	75.5	69.0	68.1
102.5°	1060.3	823.8	544.9	329.3	213.7	155.9	122.9	103.1	90.9	85.2	83.6
105°	1004.2	740.0	490.6	316.6	221.8	172.1	143.5	126.1	115.0	109.6	106.8
107.5°	905.9	666.0	456.0	315.7	236.9	193.3	166.8	150.4	139.5	134.2	131.4
110°	844.0	624.0	442.7	319.4	249.5	208.0	182.2	166.6	156.5	151.9	149.1



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	790.3	596.0	435.4	326.8	262.0	223.5	198.4	182.8	172.7	168.1	165.3
115°	725.2	566.0	432.6	338.7	282.6	247.6	222.8	207.1	197.9	192.3	188.7
117.5°	686.0	548.3	434.3	354.5	304.4	269.9	246.8	229.3	220.9	216.3	212.1
120°	665.4	540.3	437.2	366.3	318.5	285.3	262.3	244.9	235.6	231.0	228.2
122.5°	648.5	535.1	442.4	377.4	333.2	300.8	276.3	259.5	249.6	245.0	242.2
125°	626.8	528.3	450.0	394.8	354.3	322.1	297.3	279.8	269.7	264.2	262.3
127.5°	607.7	525.0	458.9	409.2	372.7	341.7	316.8	297.5	287.2	280.4	277.6
130°	597.3	522.8	464.8	418.7	383.8	353.4	328.6	309.3	298.2	289.9	287.2
132.5°	587.8	522.0	469.2	427.6	393.4	363.8	339.6	320.3	307.0	298.0	294.5
135°	575.3	520.9	475.9	439.0	407.7	379.2	354.3	335.0	321.2	311.1	307.4
137.5°	564.4	518.9	480.3	447.5	417.6	390.2	367.3	348.1	333.4	323.4	319.6
140°	557.8	518.2	483.2	451.9	424.3	397.6	374.6	356.2	341.4	332.2	327.6
142.5°	551.8	516.7	485.4	456.3	429.4	403.5	382.0	363.5	350.3	340.4	336.5
145°	544.0	514.5	486.9	461.1	436.3	412.3	391.2	375.5	361.7	353.4	350.7
147.5°	536.2	511.0	486.9	464.1	441.8	419.9	401.9	386.7	374.8	366.7	365.0
150°	531.1	508.0	486.9	464.8	445.4	424.3	407.7	394.8	382.9	375.5	374.6
152.5°	525.2	504.4	484.7	466.3	447.7	429.4	413.6	402.2	391.7	384.4	384.2
155°	516.3	498.0	482.3	466.7	451.9	436.3	423.3	413.3	404.1	398.5	398.5
157.5°	506.4	492.3	479.2	467.5	454.3	441.8	431.8	423.2	415.1	410.7	410.0
160°	499.8	487.8	477.7	467.5	456.5	445.4	436.3	429.8	422.5	418.7	418.7
162.5°	493.1	483.4	474.8	466.8	457.2	447.7	440.0	434.3	428.3	425.4	425.4
165°	484.1	476.7	470.3	464.8	458.4	451.0	444.6	440.8	436.3	434.4	435.4
167.5°	475.5	470.2	465.9	463.3	458.2	452.8	448.8	446.2	442.7	441.8	442.9
170°	470.3	465.7	463.0	461.1	457.4	452.8	451.0	449.2	446.4	445.4	447.3
172.5°	465.2	462.0	460.7	460.4	457.4	453.6	452.5	451.4	449.3	449.2	450.3
175°	459.3	457.4	457.4	458.4	456.5	454.7	453.8	453.8	451.9	452.8	453.8
177.5°	455.4	454.7	455.4	456.9	455.4	454.7	454.7	454.7	453.9	454.7	455.4
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	712.6	715.3	718.7	723.8	727.7	731.1	731.8	732.8	735.2	739.3	742.5
5°	717.3	724.3	735.5	746.4	758.3	767.9	777.1	783.5	789.5	802.2	812.5
7.5°	715.8	731.3	748.9	768.6	788.4	807.6	825.5	841.5	857.4	875.9	897.1
10°	714.9	733.1	756.7	781.9	809.5	836.5	862.6	883.0	906.7	927.9	954.9
12.5°	710.3	736.5	764.8	796.9	830.9	862.1	896.4	924.5	951.5	982.2	1013.6
15°	704.3	736.1	771.9	814.7	866.3	903.9	939.1	987.9	1021.3	1054.7	1099.6
17.5°	693.2	732.1	776.9	832.4	875.5	926.1	979.0	1017.6	1062.6	1109.6	1150.2
20°	684.5	729.8	779.8	834.4	889.3	944.3	995.5	1041.6	1088.1	1142.4	1175.8
22.5°	675.8	720.5	772.5	830.5	889.5	947.4	1005.4	1059.6	1111.8	1166.6	1209.3
25°	657.2	710.3	766.8	825.9	884.2	947.8	1017.1	1077.4	1142.1	1198.5	1238.9
27.5°	638.4	687.1	743.2	803.3	868.0	943.3	1024.7	1093.4	1158.1	1198.5	1211.2
30°	621.4	673.0	724.5	785.5	855.6	939.7	1026.2	1104.8	1157.9	1175.4	1162.4
32.5°	604.2	650.9	702.0	764.5	838.9	930.7	1028.1	1098.0	1130.0	1116.5	1063.3
35°	573.8	615.9	665.4	727.9	813.5	925.7	1020.1	1067.5	1059.5	983.7	883.5
37.5°	541.2	575.6	621.4	686.7	787.1	906.0	985.6	992.6	924.3	807.9	692.2
40°	515.5	546.4	593.5	661.8	766.8	886.6	950.9	922.7	816.8	687.2	590.7
42.5°	490.5	516.6	561.9	635.6	747.3	860.2	899.2	837.7	715.6	593.0	505.3
45°	448.1	472.7	518.2	593.8	707.6	809.5	804.4	697.6	575.3	476.7	403.9
47.5°	408.0	429.4	472.2	549.3	660.9	733.6	685.4	571.8	468.0	389.0	337.0
50°	379.6	400.8	443.3	519.4	623.5	676.6	607.8	498.2	403.2	337.7	296.4
52.5°	352.4	373.1	412.0	486.2	578.4	610.1	536.1	434.6	355.5	298.9	263.4
55°	314.3	330.1	365.0	436.0	504.9	512.1	437.2	352.3	287.0	247.6	223.3
57.5°	275.6	289.1	323.6	380.2	428.5	424.7	353.6	280.2	236.2	206.9	189.3
60°	250.3	263.6	294.0	342.5	379.0	366.2	301.0	241.9	204.2	182.7	168.7
62.5°	226.8	237.2	265.6	301.0	327.3	312.8	257.3	208.3	178.5	160.3	149.2
65°	192.7	201.1	223.9	242.4	257.0	243.0	196.9	163.0	141.4	128.7	121.0
67.5°	160.3	165.6	180.1	186.7	197.0	181.7	148.1	125.3	113.0	102.3	97.0
70°	139.9	143.9	151.4	156.9	159.6	143.9	118.9	102.3	92.0	84.4	81.0
72.5°	119.5	122.9	124.5	129.0	127.5	112.7	95.6	82.4	74.9	69.8	65.5
75°	91.3	92.8	91.3	89.5	85.6	75.3	63.5	56.7	51.3	48.9	47.4
77.5°	66.5	66.1	64.0	61.2	54.4	47.9	41.6	39.3	37.0	35.6	35.2
80°	51.3	50.1	48.2	43.7	37.9	33.4	31.8	30.3	29.5	27.9	27.6
82.5°	38.2	37.5	34.4	30.6	26.5	24.4	23.1	22.6	21.6	20.9	20.8
85°	20.4	19.4	16.1	13.9	13.4	12.8	12.4	12.4	11.2	10.9	10.9
87.5°	7.3	6.2	6.5	6.2	6.5	6.6	7.4	7.4	7.8	7.8	7.5
90°	3.6	5.5	8.3	10.1	12.0	14.7	17.5	20.3	23.0	22.1	23.0
92.5°	17.0	24.6	31.8	39.6	53.2	77.3	116.9	155.7	141.6	106.8	77.5
95°	34.1	44.2	59.8	83.7	119.6	197.9	335.0	486.0	545.8	442.7	331.4
97.5°	54.3	62.2	75.8	99.4	138.2	213.0	367.6	619.2	845.8	904.9	825.9
100°	69.0	75.5	88.3	110.4	146.3	210.8	347.0	589.1	871.6	1053.0	1085.1
102.5°	85.2	90.9	103.1	122.9	155.9	213.7	329.3	544.9	823.8	1060.3	1171.3
105°	109.6	115.0	126.1	143.5	172.1	221.8	316.6	490.6	740.0	1004.2	1196.5
107.5°	134.2	139.5	150.4	166.8	193.3	236.9	315.7	456.0	666.0	905.9	1123.9
110°	151.9	156.5	166.6	182.2	208.0	249.5	319.4	442.7	624.0	844.0	1054.8





TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	168.1	172.7	182.8	198.4	223.5	262.0	326.8	435.4	596.0	790.3	986.3
115°	192.3	197.9	207.1	222.8	247.6	282.6	338.7	432.6	566.0	725.2	895.6
117.5°	216.3	220.9	229.3	246.8	269.9	304.4	354.5	434.3	548.3	686.0	829.8
120°	231.0	235.6	244.9	262.3	285.3	318.5	366.3	437.2	540.3	665.4	795.2
122.5°	245.0	249.6	259.5	276.3	300.8	333.2	377.4	442.4	535.1	648.5	767.9
125°	264.2	269.7	279.8	297.3	322.1	354.3	394.8	450.0	528.3	626.8	731.7
127.5°	280.4	287.2	297.5	316.8	341.7	372.7	409.2	458.9	525.0	607.7	700.1
130°	289.9	298.2	309.3	328.6	353.4	383.8	418.7	464.8	522.8	597.3	680.2
132.5°	298.0	307.0	320.3	339.6	363.8	393.4	427.6	469.2	522.0	587.8	661.8
135°	311.1	321.2	335.0	354.3	379.2	407.7	439.0	475.9	520.9	575.3	636.9
137.5°	323.4	333.4	348.1	367.3	390.2	417.6	447.5	480.3	518.9	564.4	614.3
140°	332.2	341.4	356.2	374.6	397.6	424.3	451.9	483.2	518.2	557.8	601.0
142.5°	340.4	350.3	363.5	382.0	403.5	429.4	456.3	485.4	516.7	551.8	588.5
145°	353.4	361.7	375.5	391.2	412.3	436.3	461.1	486.9	514.5	544.0	573.4
147.5°	366.7	374.8	386.7	401.9	419.9	441.8	464.1	486.9	511.0	536.2	561.1
150°	375.5	382.9	394.8	407.7	424.3	445.4	464.8	486.9	508.0	531.1	552.2
152.5°	384.4	391.7	402.2	413.6	429.4	447.7	466.3	484.7	504.4	525.2	544.2
155°	398.5	404.1	413.3	423.3	436.3	451.9	466.7	482.3	498.0	516.3	532.0
157.5°	410.7	415.1	423.2	431.8	441.8	454.3	467.5	479.2	492.3	506.4	519.1
160°	418.7	422.5	429.8	436.3	445.4	456.5	467.5	477.7	487.8	499.8	511.7
162.5°	425.4	428.3	434.3	440.0	447.7	457.2	466.8	474.8	483.4	493.1	502.9
165°	434.4	436.3	440.8	444.6	451.0	458.4	464.8	470.3	476.7	484.1	491.5
167.5°	441.8	442.7	446.2	448.8	452.8	458.2	463.3	465.9	470.2	475.5	481.6
170°	445.4	446.4	449.2	451.0	452.8	457.4	461.1	463.0	465.7	470.3	474.9
172.5°	449.2	449.3	451.4	452.5	453.6	457.4	460.4	460.7	462.0	465.2	469.1
175°	452.8	451.9	453.8	453.8	454.7	456.5	458.4	457.4	457.4	459.3	461.1
177.5°	454.7	453.9	454.7	454.7	454.7	455.4	456.9	455.4	454.7	455.4	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	708.8	708.8	708.8	708.8	708.8	708.8	708.8
2.5°	747.7	747.7	748.6	752.3	752.7	755.9	754.9
5°	821.7	827.4	829.6	838.7	844.1	846.5	841.7
7.5°	912.2	928.4	936.2	945.7	954.1	956.7	950.1
10°	978.3	995.2	1009.5	1018.3	1026.5	1031.9	1038.9
12.5°	1042.0	1063.0	1076.5	1088.9	1097.3	1104.3	1105.4
15°	1111.4	1143.0	1167.0	1184.6	1193.3	1197.9	1196.1
17.5°	1181.4	1210.6	1227.7	1245.6	1257.8	1258.5	1258.9
20°	1221.0	1249.5	1269.2	1282.5	1296.2	1295.6	1298.6
22.5°	1247.4	1269.9	1285.0	1294.7	1299.3	1297.0	1297.7
25°	1259.8	1266.5	1263.8	1248.2	1244.4	1230.1	1232.5
27.5°	1196.0	1164.4	1131.8	1089.7	1056.6	1030.2	1031.5
30°	1109.3	1053.4	989.8	936.4	888.4	875.0	846.5
32.5°	988.2	904.4	829.8	780.1	738.9	727.7	702.8
35°	782.8	701.5	624.7	578.6	560.4	535.0	534.6
37.5°	608.5	536.9	496.3	461.7	443.5	428.1	426.6
40°	511.9	456.1	425.4	400.5	382.6	371.1	368.4
42.5°	444.4	399.3	370.5	355.1	341.4	335.4	331.0
45°	362.9	332.6	312.5	298.6	292.2	287.6	285.2
47.5°	303.6	283.2	269.6	260.3	255.1	250.3	251.6
50°	271.2	254.6	244.5	235.8	231.8	228.5	228.8
52.5°	245.3	230.3	222.2	215.9	211.0	208.6	207.4
55°	208.2	198.8	190.5	186.0	183.2	179.9	179.0
57.5°	177.5	170.2	163.6	158.4	157.8	154.6	155.0
60°	157.2	151.1	145.6	142.9	140.8	138.1	138.9
62.5°	140.5	135.3	130.3	128.1	126.0	124.0	124.4
65°	115.0	110.1	107.1	105.9	105.0	104.1	103.1
67.5°	91.7	88.6	86.7	84.1	82.3	82.0	81.0
70°	77.1	73.1	69.8	66.5	65.5	65.2	65.5
72.5°	61.8	59.3	58.4	56.7	56.6	55.8	56.3
75°	46.4	45.6	44.9	43.7	43.7	43.7	43.7
77.5°	34.2	33.7	33.4	33.0	32.8	32.3	32.3
80°	26.7	26.4	25.8	25.8	25.5	25.8	25.5
82.5°	20.1	20.1	19.5	19.5	19.2	19.0	19.2
85°	10.3	10.0	10.6	10.0	10.3	9.7	10.3
87.5°	7.7	7.9	8.0	7.8	7.8	8.4	7.8
90°	23.9	24.9	26.7	25.7	26.7	27.6	26.7
92.5°	61.5	54.3	49.5	47.8	45.1	46.0	44.4
95°	224.6	175.8	142.7	125.2	116.9	110.4	106.8
97.5°	661.6	542.9	432.8	364.9	323.4	298.6	290.7
100°	1010.6	902.9	772.2	679.2	612.0	576.2	577.1
102.5°	1168.9	1106.1	1023.3	950.9	897.8	867.8	846.6
105°	1288.6	1306.1	1282.1	1239.8	1204.8	1175.4	1170.8
107.5°	1273.4	1354.1	1386.9	1387.6	1375.8	1365.9	1357.4
110°	1224.2	1340.1	1404.5	1430.3	1437.7	1435.8	1434.0



TEST NUMBER: P332296-927

CATALOG NUMBER: S123RDIP-S560D1195U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1159.4	1289.3	1372.1	1419.3	1442.1	1449.1	1449.5
115°	1055.7	1191.0	1291.3	1360.3	1400.8	1419.3	1423.9
117.5°	968.0	1089.6	1191.4	1263.4	1309.7	1336.3	1342.5
120°	919.5	1029.9	1122.9	1195.6	1247.1	1269.2	1274.8
122.5°	880.4	982.8	1069.1	1133.8	1180.1	1204.4	1211.4
125°	832.0	920.4	994.0	1053.0	1093.4	1116.4	1122.9
127.5°	789.5	869.2	936.2	988.7	1023.3	1044.1	1050.0
130°	763.0	837.6	900.2	949.0	982.1	1001.4	1008.8
132.5°	738.0	807.4	867.0	912.8	945.9	963.1	968.3
135°	702.3	762.1	814.5	859.7	887.2	903.8	910.3
137.5°	667.8	719.4	764.9	802.8	830.8	844.7	849.0
140°	647.9	692.1	731.7	766.7	792.5	807.2	806.3
142.5°	628.8	667.1	701.6	731.3	754.2	767.4	766.5
145°	603.8	633.3	659.9	682.9	702.3	709.6	711.5
147.5°	585.2	609.0	627.9	645.4	658.5	665.4	666.1
150°	573.4	592.7	610.2	624.0	634.1	639.7	639.7
152.5°	562.4	579.5	594.1	604.9	614.3	617.6	617.6
155°	546.7	560.5	571.6	579.9	587.2	589.1	589.9
157.5°	531.5	542.1	550.7	557.9	563.5	564.9	564.7
160°	521.9	531.1	537.5	544.0	549.5	549.5	548.6
162.5°	511.6	520.0	525.7	530.0	534.7	534.7	533.9
165°	497.0	503.4	508.0	511.7	515.4	514.5	514.5
167.5°	485.8	489.5	492.8	494.4	497.0	496.1	496.1
170°	477.7	481.3	483.2	484.1	486.0	485.1	485.1
172.5°	471.0	474.0	475.1	475.3	477.1	475.5	474.8
175°	462.0	463.9	463.9	463.9	464.8	463.9	463.0
177.5°	456.9	457.6	457.6	456.9	457.6	456.1	456.1
180°	454.7	454.7	454.7	454.7	454.7	454.7	454.7

(END OF REPORT)