

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: P332270-927

Luminaire Tested: **S123RDIP-S560D365U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332270-927
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-S560D365U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2914.9 lumens
Efficiency: N/A
Efficacy: 106.0 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-Direct

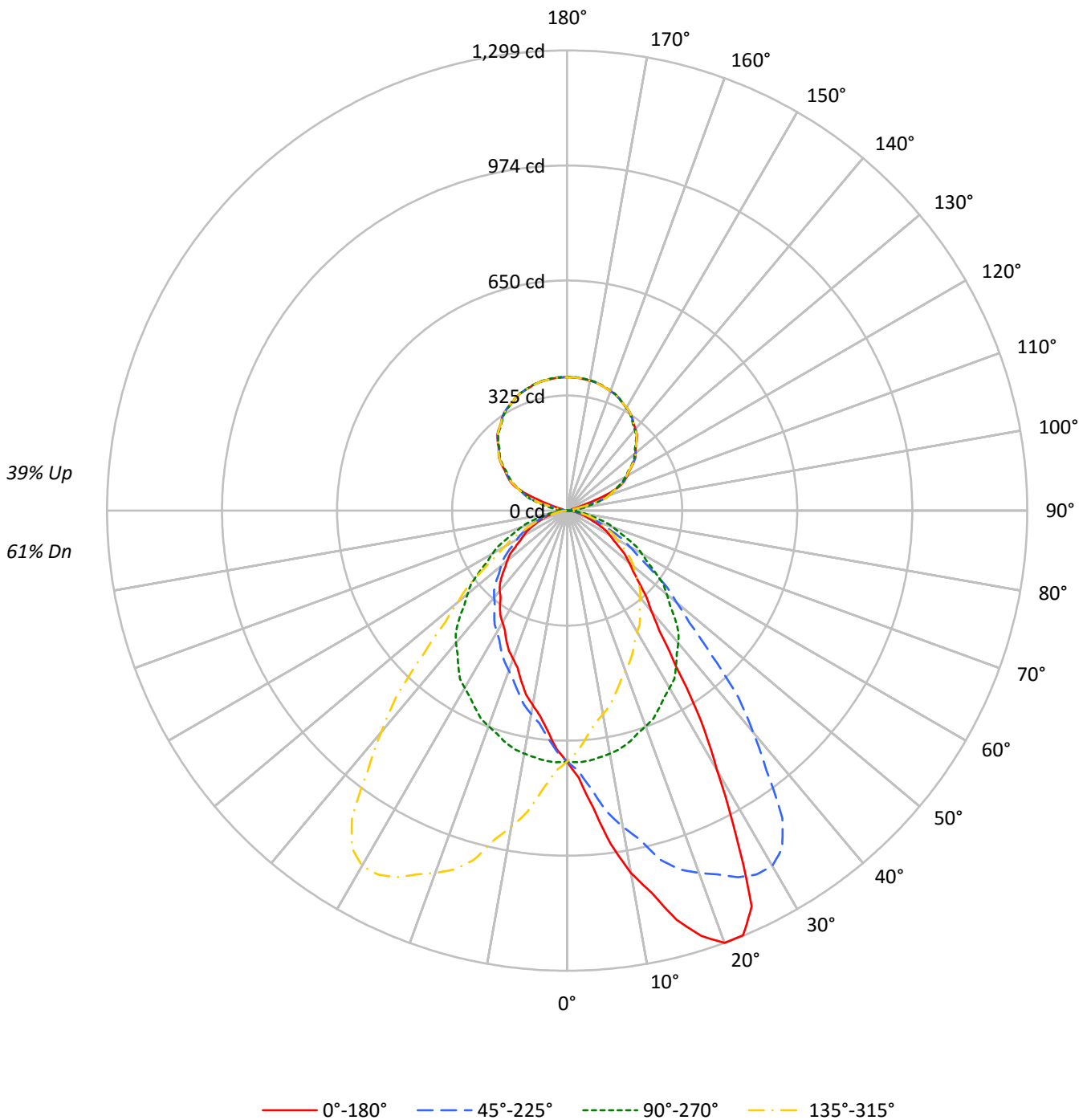
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	101	97	93	90	94	91	87	85	79	77	75	69	67	66	59	58	57	52
2	92	85	79	74	86	80	75	71	70	66	63	61	58	56	53	51	49	45
3	85	76	69	63	79	71	65	60	63	58	54	55	51	48	48	45	43	39
4	78	67	60	54	73	64	57	51	56	51	47	49	45	42	43	40	37	34
5	72	60	53	47	67	57	50	45	51	45	41	45	40	37	39	36	33	30
6	66	55	47	41	62	52	44	39	46	40	36	41	36	33	36	32	29	27
7	62	50	42	36	58	47	40	35	42	36	32	37	33	29	33	29	26	24
8	57	45	38	32	54	43	36	31	38	33	29	34	30	26	30	27	24	22
9	53	41	34	29	50	39	33	28	35	30	26	32	27	24	28	24	22	20
10	50	38	31	26	47	36	30	25	33	27	23	29	25	22	26	22	20	18

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	2.4
10°-20°	217.8	7.5
20°-30°	342.1	11.7
30°-40°	356.9	12.2
40°-50°	305.5	10.5
50°-60°	232.8	8.0
60°-70°	149.2	5.1
70°-80°	71.8	2.5
80°-90°	20.0	0.7
90°-100°	13.7	0.5
100°-110°	65.3	2.2
110°-120°	156.8	5.4
120°-130°	199.7	6.9
130°-140°	213.4	7.3
140°-150°	199.5	6.8
150°-160°	160.9	5.5
160°-170°	103.9	3.6
170°-180°	35.8	1.2
0°-30°	629.6	21.6
0°-40°	986.5	33.8
0°-60°	1524.8	52.3
0°-90°	1765.8	60.6
90°-120°	235.8	8.1
90°-150°	848.4	29.1
90°-180°	1149.0	39.4
0°-180°	2914.9	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	12
90°	8	0	8	0	8	4
95°	11	17	11	17	11	9
105°	12	83	12	83	12	28
115°	165	156	165	156	165	152
125°	225	221	225	221	225	201
135°	277	275	277	275	277	214
145°	320	317	320	317	320	200
155°	348	349	348	349	348	161
165°	367	368	367	368	367	104
175°	375	377	375	377	375	36
180°	377	377	377	377	377	



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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°	4.1	4.6	4.0	4.3	4.3	4.4	4.4	4.4	4.8	4.5	4.6
90°	8.4	8.2	8.2	8.0	7.9	7.7	7.4	7.2	7.0	6.7	5.9
92.5°	9.3	9.2	9.1	9.0	9.0	8.8	8.4	8.0	7.5	7.1	6.6
95°	10.6	10.6	10.6	10.6	10.6	10.5	10.0	9.6	9.1	8.7	8.0
97.5°	11.6	11.5	11.4	11.3	11.2	11.0	10.5	10.0	9.5	9.0	13.5
100°	11.7	11.7	11.6	11.6	11.5	11.2	10.7	10.2	9.7	9.3	18.9
102.5°	12.0	11.9	11.7	11.6	11.6	12.3	13.8	15.4	16.9	18.5	29.0
105°	12.3	12.2	12.0	12.0	11.8	17.3	28.3	39.3	50.3	61.3	66.9
107.5°	38.7	47.0	55.3	63.6	71.9	80.1	88.2	96.3	104.3	112.3	111.5
110°	77.0	85.9	94.7	103.7	112.6	118.0	120.1	122.2	124.2	126.3	125.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	132.1	134.0	135.9	137.7	139.6	140.5	140.5	140.5	140.4	140.4	139.7
115°	164.6	164.4	164.1	163.8	163.6	163.2	162.6	161.9	161.3	160.7	160.1
117.5°	182.8	182.8	182.8	182.7	182.7	182.4	181.9	181.4	180.9	180.4	180.1
120°	195.4	195.4	195.4	195.4	195.4	195.1	194.6	194.2	193.7	193.1	193.0
122.5°	207.7	207.6	207.6	207.6	207.5	207.3	207.0	206.6	206.3	205.9	205.7
125°	225.1	225.0	224.8	224.7	224.6	224.4	224.3	224.2	224.1	223.9	223.7
127.5°	241.8	241.9	242.0	242.1	242.2	242.2	242.0	241.8	241.6	241.4	241.1
130°	252.5	252.6	252.8	252.9	253.0	252.9	252.7	252.5	252.2	251.9	251.7
132.5°	262.4	262.5	262.7	262.8	263.1	263.0	262.8	262.5	262.3	262.1	261.8
135°	277.4	277.6	277.8	278.0	278.1	278.1	278.0	277.8	277.6	277.4	277.2
137.5°	291.6	291.7	291.8	291.9	292.1	292.0	291.7	291.4	291.1	290.8	290.7
140°	300.1	300.2	300.3	300.5	300.6	300.6	300.2	300.0	299.8	299.5	299.4
142.5°	307.9	308.1	308.2	308.5	308.6	308.6	308.4	308.2	308.0	307.8	307.6
145°	320.0	320.0	320.0	320.0	320.0	319.9	319.8	319.6	319.6	319.4	319.2
147.5°	328.9	329.2	329.5	329.8	330.1	330.2	330.0	329.9	329.8	329.6	329.5
150°	335.6	335.8	336.0	336.2	336.4	336.4	336.3	336.2	336.0	335.9	335.8
152.5°	341.0	341.3	341.6	341.9	342.1	342.2	342.0	341.7	341.5	341.3	341.2
155°	348.5	348.9	349.3	349.7	350.0	350.1	349.7	349.4	349.1	348.8	348.7
157.5°	354.8	355.3	355.8	356.3	356.8	356.9	356.5	356.1	355.7	355.4	355.4
160°	358.9	359.3	359.7	360.2	360.6	360.7	360.3	359.9	359.5	359.2	359.3
162.5°	362.7	363.1	363.5	363.8	364.2	364.2	363.8	363.4	362.9	362.5	362.6
165°	367.3	367.7	368.1	368.6	369.0	369.0	368.5	368.0	367.5	367.0	367.0
167.5°	370.6	371.1	371.5	372.1	372.6	372.6	372.1	371.5	371.1	370.6	370.6
170°	372.6	373.1	373.6	374.1	374.5	374.5	374.1	373.6	373.1	372.6	372.6
172.5°	373.7	374.2	374.8	375.3	375.9	375.9	375.4	374.9	374.5	373.9	373.9
175°	375.4	375.9	376.4	376.9	377.4	377.4	377.0	376.5	376.1	375.7	375.6
177.5°	375.9	376.4	376.9	377.4	377.9	378.0	377.6	377.2	376.8	376.4	376.3
180°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8



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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°	4.9	4.5	4.8	4.7	5.3	5.4	6.7	7.8	8.2	7.4	7.4
90°	5.1	4.3	3.5	2.8	2.1	1.5	0.9	0.3	0.9	1.5	2.1
92.5°	5.9	5.3	4.8	4.5	4.7	4.8	5.1	5.2	5.1	4.8	4.7
95°	7.3	6.7	5.9	6.9	9.4	12.0	14.5	17.1	14.5	12.0	9.4
97.5°	18.0	22.4	26.9	29.7	30.9	32.0	33.2	34.3	33.2	32.0	30.9
100°	28.7	38.3	48.1	52.3	51.0	49.8	48.6	47.3	48.6	49.8	51.0
102.5°	39.6	50.2	60.8	65.7	64.8	63.8	63.0	62.1	63.0	63.8	64.8
105°	72.5	78.1	83.7	86.2	85.5	84.8	84.1	83.4	84.1	84.8	85.5
107.5°	110.6	109.7	108.8	108.1	107.6	107.0	106.5	105.9	106.5	107.0	107.6
110°	124.8	124.2	123.5	122.9	122.4	121.9	121.4	121.0	121.4	121.9	122.4



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	139.0	138.3	137.6	137.0	136.6	136.2	135.7	135.2	135.7	136.2	136.6
115°	159.5	159.0	158.4	158.0	157.6	157.2	156.9	156.5	156.9	157.2	157.6
117.5°	179.8	179.5	179.3	178.9	178.4	177.9	177.5	177.1	177.5	177.9	178.4
120°	192.8	192.6	192.4	192.0	191.5	190.9	190.4	189.8	190.4	190.9	191.5
122.5°	205.4	205.2	204.9	204.6	204.1	203.7	203.3	202.8	203.3	203.7	204.1
125°	223.5	223.2	222.9	222.6	222.0	221.6	221.1	220.6	221.1	221.6	222.0
127.5°	240.8	240.5	240.2	239.8	239.3	238.8	238.4	237.8	238.4	238.8	239.3
130°	251.4	251.2	251.0	250.6	250.1	249.5	249.1	248.6	249.1	249.5	250.1
132.5°	261.7	261.4	261.2	260.9	260.4	259.9	259.4	258.9	259.4	259.9	260.4
135°	276.9	276.6	276.4	276.1	275.8	275.4	275.0	274.6	275.0	275.4	275.8
137.5°	290.5	290.4	290.3	289.9	289.5	289.0	288.5	288.0	288.5	289.0	289.5
140°	299.1	299.0	298.8	298.5	298.1	297.8	297.4	297.0	297.4	297.8	298.1
142.5°	307.4	307.3	307.0	306.8	306.4	306.0	305.7	305.3	305.7	306.0	306.4
145°	319.2	319.0	318.9	318.6	318.2	317.7	317.3	316.9	317.3	317.7	318.2
147.5°	329.4	329.3	329.2	328.9	328.7	328.4	328.1	327.8	328.1	328.4	328.7
150°	335.6	335.6	335.4	335.3	335.1	334.9	334.7	334.5	334.7	334.9	335.1
152.5°	341.1	341.0	341.0	340.9	340.8	340.7	340.6	340.6	340.6	340.7	340.8
155°	348.6	348.6	348.6	348.6	348.7	348.8	349.0	349.1	349.0	348.8	348.7
157.5°	355.5	355.5	355.6	355.6	355.6	355.7	355.7	355.7	355.7	355.7	355.6
160°	359.3	359.3	359.4	359.5	359.5	359.6	359.7	359.7	359.7	359.6	359.5
162.5°	362.7	362.7	362.7	362.9	363.1	363.2	363.4	363.5	363.4	363.2	363.1
165°	367.1	367.2	367.3	367.3	367.6	367.7	367.9	368.1	367.9	367.7	367.6
167.5°	370.6	370.6	370.6	370.7	371.0	371.2	371.5	371.7	371.5	371.2	371.0
170°	372.6	372.6	372.6	372.7	373.0	373.2	373.4	373.7	373.4	373.2	373.0
172.5°	373.8	373.8	373.8	373.8	374.1	374.5	374.8	375.0	374.8	374.5	374.1
175°	375.6	375.5	375.4	375.6	375.9	376.1	376.4	376.8	376.4	376.1	375.9
177.5°	376.2	376.2	376.1	376.2	376.5	376.8	377.0	377.2	377.0	376.8	376.5
180°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

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°	7.4	8.2	8.6	9.0	9.4	9.3	9.7	9.7	10.0	10.1	10.1
90°	2.8	3.5	4.3	5.1	5.9	6.7	7.0	7.2	7.4	7.7	7.9
92.5°	4.5	4.8	5.3	5.9	6.6	7.1	7.5	8.0	8.4	8.8	9.0
95°	6.9	5.9	6.7	7.3	8.0	8.7	9.1	9.6	10.0	10.5	10.6
97.5°	29.7	26.9	22.4	18.0	13.5	9.0	9.5	10.0	10.5	11.0	11.2
100°	52.3	48.1	38.3	28.7	18.9	9.3	9.7	10.2	10.7	11.2	11.5
102.5°	65.7	60.8	50.2	39.6	29.0	18.5	16.9	15.4	13.8	12.3	11.6
105°	86.2	83.7	78.1	72.5	66.9	61.3	50.3	39.3	28.3	17.3	11.8
107.5°	108.1	108.8	109.7	110.6	111.5	112.3	104.3	96.3	88.2	80.1	71.9
110°	122.9	123.5	124.2	124.8	125.6	126.3	124.2	122.2	120.1	118.0	112.6



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	137.0	137.6	138.3	139.0	139.7	140.4	140.4	140.5	140.5	140.5	139.6
115°	158.0	158.4	159.0	159.5	160.1	160.7	161.3	161.9	162.6	163.2	163.6
117.5°	178.9	179.3	179.5	179.8	180.1	180.4	180.9	181.4	181.9	182.4	182.7
120°	192.0	192.4	192.6	192.8	193.0	193.1	193.7	194.2	194.6	195.1	195.4
122.5°	204.6	204.9	205.2	205.4	205.7	205.9	206.3	206.6	207.0	207.3	207.5
125°	222.6	222.9	223.2	223.5	223.7	223.9	224.1	224.2	224.3	224.4	224.6
127.5°	239.8	240.2	240.5	240.8	241.1	241.4	241.6	241.8	242.0	242.2	242.2
130°	250.6	251.0	251.2	251.4	251.7	251.9	252.2	252.5	252.7	252.9	253.0
132.5°	260.9	261.2	261.4	261.7	261.8	262.1	262.3	262.5	262.8	263.0	263.1
135°	276.1	276.4	276.6	276.9	277.2	277.4	277.6	277.8	278.0	278.1	278.1
137.5°	289.9	290.3	290.4	290.5	290.7	290.8	291.1	291.4	291.7	292.0	292.1
140°	298.5	298.8	299.0	299.1	299.4	299.5	299.8	300.0	300.2	300.6	300.6
142.5°	306.8	307.0	307.3	307.4	307.6	307.8	308.0	308.2	308.4	308.6	308.6
145°	318.6	318.9	319.0	319.2	319.2	319.4	319.6	319.6	319.8	319.9	320.0
147.5°	328.9	329.2	329.3	329.4	329.5	329.6	329.8	329.9	330.0	330.2	330.1
150°	335.3	335.4	335.6	335.6	335.8	335.9	336.0	336.2	336.3	336.4	336.4
152.5°	340.9	341.0	341.0	341.1	341.2	341.3	341.5	341.7	342.0	342.2	342.1
155°	348.6	348.6	348.6	348.6	348.7	348.8	349.1	349.4	349.7	350.1	350.0
157.5°	355.6	355.6	355.5	355.5	355.4	355.4	355.7	356.1	356.5	356.9	356.8
160°	359.5	359.4	359.3	359.3	359.3	359.2	359.5	359.9	360.3	360.7	360.6
162.5°	362.9	362.7	362.7	362.7	362.6	362.5	362.9	363.4	363.8	364.2	364.2
165°	367.3	367.3	367.2	367.1	367.0	367.0	367.5	368.0	368.5	369.0	369.0
167.5°	370.7	370.6	370.6	370.6	370.6	370.6	371.1	371.5	372.1	372.6	372.6
170°	372.7	372.6	372.6	372.6	372.6	372.6	373.1	373.6	374.1	374.5	374.5
172.5°	373.8	373.8	373.8	373.8	373.9	373.9	374.5	374.9	375.4	375.9	375.9
175°	375.6	375.4	375.5	375.6	375.6	375.7	376.1	376.5	377.0	377.4	377.4
177.5°	376.2	376.1	376.2	376.2	376.3	376.4	376.8	377.2	377.6	378.0	377.9
180°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

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°	10.6	10.1	10.1	10.5	10.1	10.1	10.6	10.1	10.1	10.0	9.7
90°	8.0	8.2	8.2	8.4	8.2	8.2	8.0	7.9	7.7	7.4	7.2
92.5°	9.0	9.1	9.2	9.3	9.2	9.1	9.0	9.0	8.8	8.4	8.0
95°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.5	10.0	9.6
97.5°	11.3	11.4	11.5	11.6	11.5	11.4	11.3	11.2	11.0	10.5	10.0
100°	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.5	11.2	10.7	10.2
102.5°	11.6	11.7	11.9	12.0	11.9	11.7	11.6	11.6	12.3	13.8	15.4
105°	12.0	12.0	12.2	12.3	12.2	12.0	12.0	11.8	17.3	28.3	39.3
107.5°	63.6	55.3	47.0	38.7	47.0	55.3	63.6	71.9	80.1	88.2	96.3
110°	103.7	94.7	85.9	77.0	85.9	94.7	103.7	112.6	118.0	120.1	122.2



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	137.7	135.9	134.0	132.1	134.0	135.9	137.7	139.6	140.5	140.5	140.5
115°	163.8	164.1	164.4	164.6	164.4	164.1	163.8	163.6	163.2	162.6	161.9
117.5°	182.7	182.8	182.8	182.8	182.8	182.8	182.7	182.7	182.4	181.9	181.4
120°	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.4	195.1	194.6	194.2
122.5°	207.6	207.6	207.6	207.7	207.6	207.6	207.6	207.5	207.3	207.0	206.6
125°	224.7	224.8	225.0	225.1	225.0	224.8	224.7	224.6	224.4	224.3	224.2
127.5°	242.1	242.0	241.9	241.8	241.9	242.0	242.1	242.2	242.2	242.0	241.8
130°	252.9	252.8	252.6	252.5	252.6	252.8	252.9	253.0	252.9	252.7	252.5
132.5°	262.8	262.7	262.5	262.4	262.5	262.7	262.8	263.1	263.0	262.8	262.5
135°	278.0	277.8	277.6	277.4	277.6	277.8	278.0	278.1	278.1	278.0	277.8
137.5°	291.9	291.8	291.7	291.6	291.7	291.8	291.9	292.1	292.0	291.7	291.4
140°	300.5	300.3	300.2	300.1	300.2	300.3	300.5	300.6	300.6	300.2	300.0
142.5°	308.5	308.2	308.1	307.9	308.1	308.2	308.5	308.6	308.6	308.4	308.2
145°	320.0	320.0	320.0	320.0	320.0	320.0	320.0	320.0	319.9	319.8	319.6
147.5°	329.8	329.5	329.2	328.9	329.2	329.5	329.8	330.1	330.2	330.0	329.9
150°	336.2	336.0	335.8	335.6	335.8	336.0	336.2	336.4	336.4	336.3	336.2
152.5°	341.9	341.6	341.3	341.0	341.3	341.6	341.9	342.1	342.2	342.0	341.7
155°	349.7	349.3	348.9	348.5	348.9	349.3	349.7	350.0	350.1	349.7	349.4
157.5°	356.3	355.8	355.3	354.8	355.3	355.8	356.3	356.8	356.9	356.5	356.1
160°	360.2	359.7	359.3	358.9	359.3	359.7	360.2	360.6	360.7	360.3	359.9
162.5°	363.8	363.5	363.1	362.7	363.1	363.5	363.8	364.2	364.2	363.8	363.4
165°	368.6	368.1	367.7	367.3	367.7	368.1	368.6	369.0	369.0	368.5	368.0
167.5°	372.1	371.5	371.1	370.6	371.1	371.5	372.1	372.6	372.6	372.1	371.5
170°	374.1	373.6	373.1	372.6	373.1	373.6	374.1	374.5	374.5	374.1	373.6
172.5°	375.3	374.8	374.2	373.7	374.2	374.8	375.3	375.9	375.9	375.4	374.9
175°	376.9	376.4	375.9	375.4	375.9	376.4	376.9	377.4	377.4	377.0	376.5
177.5°	377.4	376.9	376.4	375.9	376.4	376.9	377.4	377.9	378.0	377.6	377.2
180°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

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°	9.7	9.3	9.4	9.0	8.6	8.2	7.4	7.4	7.4	8.2	7.8
90°	7.0	6.7	5.9	5.1	4.3	3.5	2.8	2.1	1.5	0.9	0.3
92.5°	7.5	7.1	6.6	5.9	5.3	4.8	4.5	4.7	4.8	5.1	5.2
95°	9.1	8.7	8.0	7.3	6.7	5.9	6.9	9.4	12.0	14.5	17.1
97.5°	9.5	9.0	13.5	18.0	22.4	26.9	29.7	30.9	32.0	33.2	34.3
100°	9.7	9.3	18.9	28.7	38.3	48.1	52.3	51.0	49.8	48.6	47.3
102.5°	16.9	18.5	29.0	39.6	50.2	60.8	65.7	64.8	63.8	63.0	62.1
105°	50.3	61.3	66.9	72.5	78.1	83.7	86.2	85.5	84.8	84.1	83.4
107.5°	104.3	112.3	111.5	110.6	109.7	108.8	108.1	107.6	107.0	106.5	105.9
110°	124.2	126.3	125.6	124.8	124.2	123.5	122.9	122.4	121.9	121.4	121.0



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	140.4	140.4	139.7	139.0	138.3	137.6	137.0	136.6	136.2	135.7	135.2
115°	161.3	160.7	160.1	159.5	159.0	158.4	158.0	157.6	157.2	156.9	156.5
117.5°	180.9	180.4	180.1	179.8	179.5	179.3	178.9	178.4	177.9	177.5	177.1
120°	193.7	193.1	193.0	192.8	192.6	192.4	192.0	191.5	190.9	190.4	189.8
122.5°	206.3	205.9	205.7	205.4	205.2	204.9	204.6	204.1	203.7	203.3	202.8
125°	224.1	223.9	223.7	223.5	223.2	222.9	222.6	222.0	221.6	221.1	220.6
127.5°	241.6	241.4	241.1	240.8	240.5	240.2	239.8	239.3	238.8	238.4	237.8
130°	252.2	251.9	251.7	251.4	251.2	251.0	250.6	250.1	249.5	249.1	248.6
132.5°	262.3	262.1	261.8	261.7	261.4	261.2	260.9	260.4	259.9	259.4	258.9
135°	277.6	277.4	277.2	276.9	276.6	276.4	276.1	275.8	275.4	275.0	274.6
137.5°	291.1	290.8	290.7	290.5	290.4	290.3	289.9	289.5	289.0	288.5	288.0
140°	299.8	299.5	299.4	299.1	299.0	298.8	298.5	298.1	297.8	297.4	297.0
142.5°	308.0	307.8	307.6	307.4	307.3	307.0	306.8	306.4	306.0	305.7	305.3
145°	319.6	319.4	319.2	319.2	319.0	318.9	318.6	318.2	317.7	317.3	316.9
147.5°	329.8	329.6	329.5	329.4	329.3	329.2	328.9	328.7	328.4	328.1	327.8
150°	336.0	335.9	335.8	335.6	335.6	335.4	335.3	335.1	334.9	334.7	334.5
152.5°	341.5	341.3	341.2	341.1	341.0	341.0	340.9	340.8	340.7	340.6	340.6
155°	349.1	348.8	348.7	348.6	348.6	348.6	348.6	348.7	348.8	349.0	349.1
157.5°	355.7	355.4	355.4	355.5	355.5	355.6	355.6	355.6	355.7	355.7	355.7
160°	359.5	359.2	359.3	359.3	359.3	359.4	359.5	359.5	359.6	359.7	359.7
162.5°	362.9	362.5	362.6	362.7	362.7	362.7	362.9	363.1	363.2	363.4	363.5
165°	367.5	367.0	367.0	367.1	367.2	367.3	367.3	367.6	367.7	367.9	368.1
167.5°	371.1	370.6	370.6	370.6	370.6	370.6	370.7	371.0	371.2	371.5	371.7
170°	373.1	372.6	372.6	372.6	372.6	372.6	372.7	373.0	373.2	373.4	373.7
172.5°	374.5	373.9	373.9	373.8	373.8	373.8	373.8	374.1	374.5	374.8	375.0
175°	376.1	375.7	375.6	375.6	375.5	375.4	375.6	375.9	376.1	376.4	376.8
177.5°	376.8	376.4	376.3	376.2	376.2	376.1	376.2	376.5	376.8	377.0	377.2
180°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

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°	6.7	5.4	5.3	4.7	4.8	4.5	4.9	4.6	4.5	4.8	4.4
90°	0.9	1.5	2.1	2.8	3.5	4.3	5.1	5.9	6.7	7.0	7.2
92.5°	5.1	4.8	4.7	4.5	4.8	5.3	5.9	6.6	7.1	7.5	8.0
95°	14.5	12.0	9.4	6.9	5.9	6.7	7.3	8.0	8.7	9.1	9.6
97.5°	33.2	32.0	30.9	29.7	26.9	22.4	18.0	13.5	9.0	9.5	10.0
100°	48.6	49.8	51.0	52.3	48.1	38.3	28.7	18.9	9.3	9.7	10.2
102.5°	63.0	63.8	64.8	65.7	60.8	50.2	39.6	29.0	18.5	16.9	15.4
105°	84.1	84.8	85.5	86.2	83.7	78.1	72.5	66.9	61.3	50.3	39.3
107.5°	106.5	107.0	107.6	108.1	108.8	109.7	110.6	111.5	112.3	104.3	96.3
110°	121.4	121.9	122.4	122.9	123.5	124.2	124.8	125.6	126.3	124.2	122.2



TEST NUMBER: P332270-927

CATALOG NUMBER: S123RDIP-S560D365U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	135.7	136.2	136.6	137.0	137.6	138.3	139.0	139.7	140.4	140.4	140.5
115°	156.9	157.2	157.6	158.0	158.4	159.0	159.5	160.1	160.7	161.3	161.9
117.5°	177.5	177.9	178.4	178.9	179.3	179.5	179.8	180.1	180.4	180.9	181.4
120°	190.4	190.9	191.5	192.0	192.4	192.6	192.8	193.0	193.1	193.7	194.2
122.5°	203.3	203.7	204.1	204.6	204.9	205.2	205.4	205.7	205.9	206.3	206.6
125°	221.1	221.6	222.0	222.6	222.9	223.2	223.5	223.7	223.9	224.1	224.2
127.5°	238.4	238.8	239.3	239.8	240.2	240.5	240.8	241.1	241.4	241.6	241.8
130°	249.1	249.5	250.1	250.6	251.0	251.2	251.4	251.7	251.9	252.2	252.5
132.5°	259.4	259.9	260.4	260.9	261.2	261.4	261.7	261.8	262.1	262.3	262.5
135°	275.0	275.4	275.8	276.1	276.4	276.6	276.9	277.2	277.4	277.6	277.8
137.5°	288.5	289.0	289.5	289.9	290.3	290.4	290.5	290.7	290.8	291.1	291.4
140°	297.4	297.8	298.1	298.5	298.8	299.0	299.1	299.4	299.5	299.8	300.0
142.5°	305.7	306.0	306.4	306.8	307.0	307.3	307.4	307.6	307.8	308.0	308.2
145°	317.3	317.7	318.2	318.6	318.9	319.0	319.2	319.2	319.4	319.6	319.6
147.5°	328.1	328.4	328.7	328.9	329.2	329.3	329.4	329.5	329.6	329.8	329.9
150°	334.7	334.9	335.1	335.3	335.4	335.6	335.6	335.8	335.9	336.0	336.2
152.5°	340.6	340.7	340.8	340.9	341.0	341.0	341.1	341.2	341.3	341.5	341.7
155°	349.0	348.8	348.7	348.6	348.6	348.6	348.6	348.7	348.8	349.1	349.4
157.5°	355.7	355.7	355.6	355.6	355.6	355.5	355.5	355.4	355.4	355.7	356.1
160°	359.7	359.6	359.5	359.5	359.4	359.3	359.3	359.3	359.2	359.5	359.9
162.5°	363.4	363.2	363.1	362.9	362.7	362.7	362.7	362.6	362.5	362.9	363.4
165°	367.9	367.7	367.6	367.3	367.3	367.2	367.1	367.0	367.0	367.5	368.0
167.5°	371.5	371.2	371.0	370.7	370.6	370.6	370.6	370.6	370.6	371.1	371.5
170°	373.4	373.2	373.0	372.7	372.6	372.6	372.6	372.6	372.6	373.1	373.6
172.5°	374.8	374.5	374.1	373.8	373.8	373.8	373.8	373.9	373.9	374.5	374.9
175°	376.4	376.1	375.9	375.6	375.4	375.5	375.6	375.6	375.7	376.1	376.5
177.5°	377.0	376.8	376.5	376.2	376.1	376.2	376.2	376.3	376.4	376.8	377.2
180°	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8	376.8



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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°	4.4	4.4	4.3	4.3	4.0	4.6	4.1
90°	7.4	7.7	7.9	8.0	8.2	8.2	8.4
92.5°	8.4	8.8	9.0	9.0	9.1	9.2	9.3
95°	10.0	10.5	10.6	10.6	10.6	10.6	10.6
97.5°	10.5	11.0	11.2	11.3	11.4	11.5	11.6
100°	10.7	11.2	11.5	11.6	11.6	11.7	11.7
102.5°	13.8	12.3	11.6	11.6	11.7	11.9	12.0
105°	28.3	17.3	11.8	12.0	12.0	12.2	12.3
107.5°	88.2	80.1	71.9	63.6	55.3	47.0	38.7
110°	120.1	118.0	112.6	103.7	94.7	85.9	77.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	140.5	140.5	139.6	137.7	135.9	134.0	132.1
115°	162.6	163.2	163.6	163.8	164.1	164.4	164.6
117.5°	181.9	182.4	182.7	182.7	182.8	182.8	182.8
120°	194.6	195.1	195.4	195.4	195.4	195.4	195.4
122.5°	207.0	207.3	207.5	207.6	207.6	207.6	207.7
125°	224.3	224.4	224.6	224.7	224.8	225.0	225.1
127.5°	242.0	242.2	242.2	242.1	242.0	241.9	241.8
130°	252.7	252.9	253.0	252.9	252.8	252.6	252.5
132.5°	262.8	263.0	263.1	262.8	262.7	262.5	262.4
135°	278.0	278.1	278.1	278.0	277.8	277.6	277.4
137.5°	291.7	292.0	292.1	291.9	291.8	291.7	291.6
140°	300.2	300.6	300.6	300.5	300.3	300.2	300.1
142.5°	308.4	308.6	308.6	308.5	308.2	308.1	307.9
145°	319.8	319.9	320.0	320.0	320.0	320.0	320.0
147.5°	330.0	330.2	330.1	329.8	329.5	329.2	328.9
150°	336.3	336.4	336.4	336.2	336.0	335.8	335.6
152.5°	342.0	342.2	342.1	341.9	341.6	341.3	341.0
155°	349.7	350.1	350.0	349.7	349.3	348.9	348.5
157.5°	356.5	356.9	356.8	356.3	355.8	355.3	354.8
160°	360.3	360.7	360.6	360.2	359.7	359.3	358.9
162.5°	363.8	364.2	364.2	363.8	363.5	363.1	362.7
165°	368.5	369.0	369.0	368.6	368.1	367.7	367.3
167.5°	372.1	372.6	372.6	372.1	371.5	371.1	370.6
170°	374.1	374.5	374.5	374.1	373.6	373.1	372.6
172.5°	375.4	375.9	375.9	375.3	374.8	374.2	373.7
175°	377.0	377.4	377.4	376.9	376.4	375.9	375.4
177.5°	377.6	378.0	377.9	377.4	376.9	376.4	375.9
180°	376.8	376.8	376.8	376.8	376.8	376.8	376.8

(END OF REPORT)