

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: P332414-930

Luminaire Tested: **S123RDIW-S560D755U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332414-930  
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: S123RDIW-S560D755U930-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 755 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

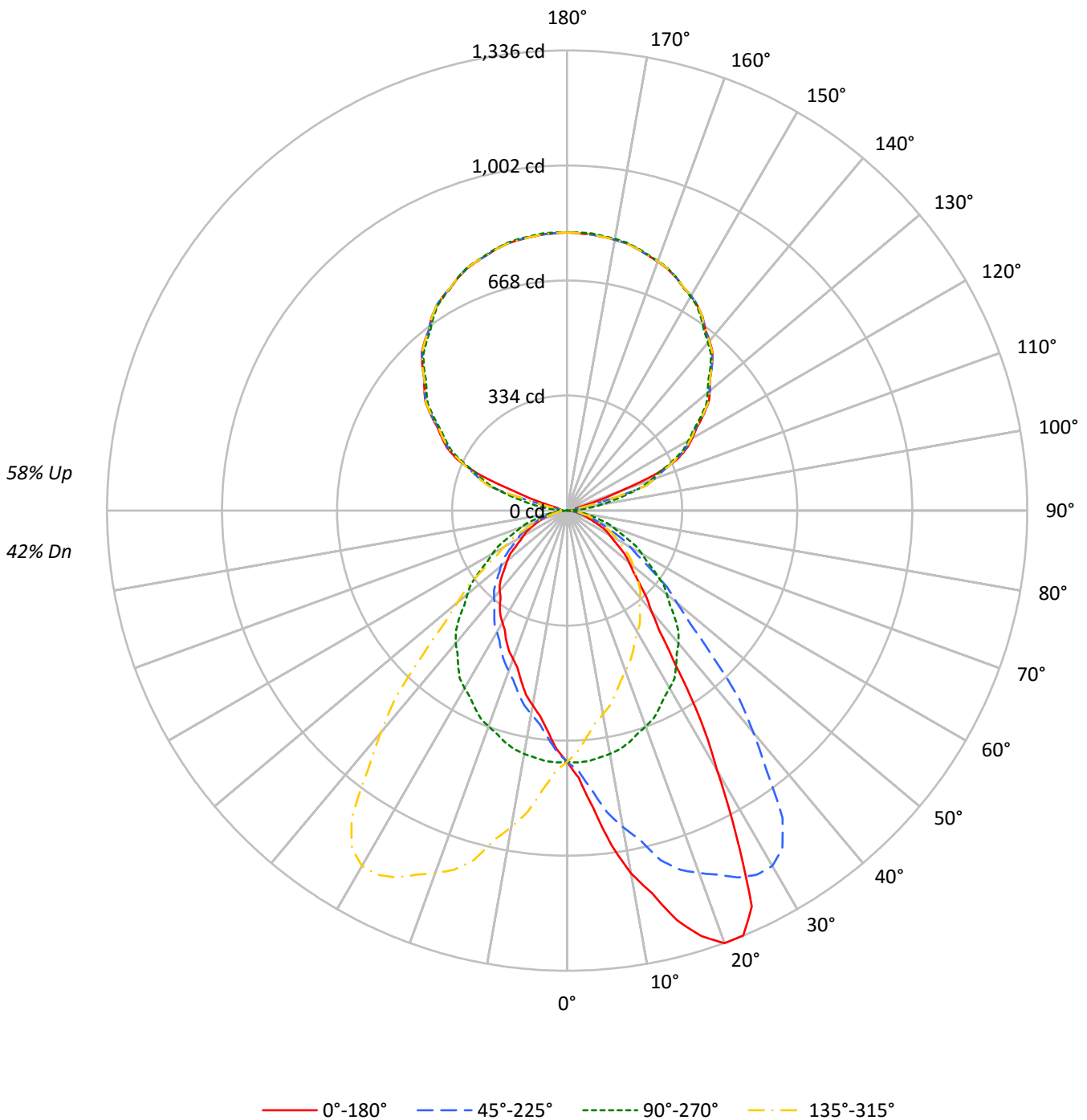
Lumens per Lamp: N/A  
Luminaire Lumens: 4281.1 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 37.6  
Input Voltage (V): 120  
Input Current (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										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	49	49	49	42																				
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	44	43	42	37																				
2	88	81	76	71	81	75	70	65	62	58	55	50	48	46	40	38	37	32																				
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	35	33	32	27																				
4	74	64	56	51	68	59	52	47	49	44	40	40	37	34	32	30	28	24																				
5	68	57	49	44	62	53	46	41	44	39	35	36	33	30	29	26	24	21																				
6	63	51	44	38	57	47	41	36	40	35	31	33	29	26	26	24	22	19																				
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17																				
8	54	42	35	30	49	39	32	28	33	28	24	28	24	21	22	20	17	15																				
9	50	39	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14																				
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	16	14	12																				

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

	0°	90°	180°	270°
0°	7851	7851	7851	7851
5°	9360	7886	6944	7886
10°	11687	7840	6274	7840
15°	13718	7759	5721	7759
20°	15309	7640	5251	7640
25°	15064	7514	4962	7514
30°	10828	7398	4666	7398
35°	7230	7247	4473	7247
40°	5327	7065	4274	7065
45°	4468	6745	4078	6745
50°	3944	6328	3806	6328
55°	3459	5849	3434	5849
60°	3078	5393	3147	5393
65°	2705	4898	2929	4898
70°	2121	4463	2675	4463
75°	1871	3897	2441	3897
80°	1630	3310	2399	3310
85°	1309	2655	2544	2655



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.7	1.7
10°-20°	224.1	5.2
20°-30°	352.1	8.2
30°-40°	367.3	8.6
40°-50°	314.4	7.3
50°-60°	239.6	5.6
60°-70°	153.6	3.6
70°-80°	73.9	1.7
80°-90°	21.8	0.5
90°-100°	29.4	0.7
100°-110°	139.9	3.3
110°-120°	336.1	7.9
120°-130°	428.0	10.0
130°-140°	457.3	10.7
140°-150°	427.6	10.0
150°-160°	344.9	8.1
160°-170°	222.6	5.2
170°-180°	76.7	1.8
0°-30°	647.9	15.1
0°-40°	1015.3	23.7
0°-60°	1569.3	36.7
0°-90°	1818.6	42.5
90°-120°	505.4	11.8
90°-150°	1818.3	42.5
90°-180°	2463.0	57.5
0°-180°	4281.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	729	729	729	729	729	
5°	866	730	643	730	866	89
15°	1231	696	513	696	1231	349
25°	1268	633	418	633	1268	545
35°	550	552	340	552	550	361
45°	294	443	268	443	294	231
55°	184	312	183	312	184	167
65°	106	192	115	192	106	104
75°	45	94	59	94	45	48
85°	11	22	21	22	11	13
90°	18	1	18	1	18	8
95°	23	37	23	37	23	19
105°	26	179	26	179	26	60
115°	353	335	353	335	353	326
125°	482	473	482	473	482	431
135°	594	589	594	589	594	458
145°	686	679	686	679	686	428
155°	747	748	747	748	747	344
165°	787	789	787	789	787	222
175°	804	808	804	808	804	77
180°	808	808	808	808	808	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	776.9	778.0	774.7	774.2	770.5	769.5	769.5	764.2	760.9	756.7	754.2
5°	866.3	871.2	868.8	863.2	853.8	851.6	845.6	836.3	825.7	812.5	806.3
7.5°	977.8	984.6	981.9	973.3	963.5	955.5	938.8	923.2	901.5	882.4	866.0
10°	1069.3	1062.0	1056.5	1048.0	1038.9	1024.3	1006.8	982.8	955.0	933.1	908.7
12.5°	1137.7	1136.5	1129.4	1120.7	1107.9	1094.0	1072.4	1043.2	1010.9	979.3	951.5
15°	1231.0	1232.9	1228.2	1219.1	1201.0	1176.3	1143.9	1131.7	1085.5	1051.1	1016.8
17.5°	1295.6	1295.2	1294.5	1282.0	1263.6	1245.9	1215.9	1183.8	1142.0	1093.6	1047.3
20°	1336.5	1333.4	1334.1	1320.0	1306.3	1286.0	1256.6	1210.1	1175.7	1119.8	1072.0
22.5°	1335.5	1334.9	1337.3	1332.4	1322.5	1306.9	1283.9	1244.6	1200.7	1144.3	1090.5
25°	1268.4	1266.0	1280.7	1284.7	1300.6	1303.4	1296.6	1275.0	1233.5	1175.4	1108.9
27.5°	1061.6	1060.2	1087.4	1121.5	1164.8	1198.4	1230.9	1246.5	1233.5	1191.9	1125.3
30°	871.2	900.6	914.4	963.7	1018.6	1084.2	1141.7	1196.3	1209.7	1191.6	1137.0
32.5°	723.3	748.9	760.4	802.8	854.0	930.8	1017.0	1094.4	1149.1	1162.9	1130.0
35°	550.2	550.6	576.7	595.5	642.9	721.9	805.7	909.3	1012.4	1090.5	1098.6
37.5°	439.0	440.6	456.5	475.2	510.8	552.5	626.2	712.4	831.4	951.3	1021.6
40°	379.1	381.9	393.8	412.2	437.8	469.4	526.8	608.0	707.3	840.7	949.7
42.5°	340.6	345.2	351.3	365.5	381.3	410.9	457.4	520.1	610.3	736.5	862.2
45°	293.5	296.0	300.7	307.3	321.6	342.3	373.5	415.6	490.6	592.1	718.0
47.5°	258.9	257.6	262.5	267.9	277.4	291.5	312.4	346.8	400.3	481.7	588.5
50°	235.5	235.1	238.6	242.6	251.7	262.0	279.2	305.1	347.6	415.0	512.7
52.5°	213.4	214.7	217.1	222.2	228.7	237.0	252.4	271.1	307.6	365.8	447.3
55°	184.3	185.2	188.6	191.4	196.1	204.6	214.3	229.8	254.8	295.4	362.6
57.5°	159.5	159.1	162.4	163.1	168.4	175.2	182.7	194.9	213.0	243.1	288.4
60°	143.0	142.1	144.9	147.1	149.9	155.5	161.8	173.7	188.0	210.2	248.9
62.5°	128.0	127.6	129.6	131.8	134.1	139.3	144.6	153.6	165.0	183.7	214.4
65°	106.2	107.1	108.0	109.0	110.2	113.3	118.4	124.6	132.4	145.5	167.7
67.5°	83.4	84.4	84.7	86.6	89.3	91.2	94.3	99.9	105.3	116.3	129.0
70°	67.4	67.1	67.4	68.4	71.8	75.3	79.3	83.4	86.8	94.7	105.3
72.5°	58.0	57.4	58.2	58.4	60.1	61.0	63.6	67.4	71.8	77.1	84.8
75°	45.0	45.0	45.0	45.0	46.2	46.9	47.8	48.8	50.3	52.7	58.4
77.5°	33.3	33.3	33.8	34.0	34.3	34.7	35.2	36.2	36.7	38.1	40.4
80°	26.3	26.6	26.3	26.6	26.6	27.1	27.5	28.5	28.7	30.3	31.2
82.5°	19.7	19.6	19.7	20.1	20.1	20.7	20.7	21.4	21.5	22.3	23.2
85°	10.6	10.0	10.6	10.3	10.9	10.3	10.6	11.3	11.3	11.6	12.8
87.5°	6.1	6.5	6.0	6.2	6.1	6.3	6.2	6.1	6.5	6.1	6.0
90°	18.0	17.7	17.4	17.2	17.0	16.6	16.0	15.5	14.9	14.4	12.6
92.5°	19.9	19.7	19.6	19.4	19.2	18.8	17.9	17.0	16.2	15.3	14.0
95°	22.8	22.8	22.8	22.8	22.8	22.3	21.4	20.5	19.6	18.6	17.1
97.5°	24.7	24.6	24.5	24.3	24.2	23.6	22.5	21.4	20.4	19.3	28.9
100°	25.2	25.0	24.9	24.8	24.7	24.1	23.0	21.9	20.9	19.8	40.6
102.5°	25.7	25.4	25.2	24.9	24.7	26.3	29.6	32.9	36.2	39.5	62.2
105°	26.4	26.2	25.8	25.6	25.4	37.0	60.6	84.2	107.8	131.4	143.4
107.5°	82.9	100.7	118.5	136.2	154.1	171.6	188.9	206.2	223.5	240.8	239.0
110°	165.0	184.0	203.1	222.2	241.2	253.0	257.4	261.8	266.2	270.6	269.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	283.1	287.1	291.1	295.1	299.1	301.2	301.1	301.0	300.9	300.8	299.4
115°	352.8	352.2	351.7	351.1	350.7	349.7	348.4	347.1	345.7	344.4	343.2
117.5°	391.9	391.8	391.7	391.6	391.4	390.9	389.8	388.7	387.7	386.6	386.0
120°	418.7	418.7	418.7	418.7	418.7	418.2	417.2	416.1	415.1	413.9	413.6
122.5°	445.2	445.1	444.9	444.8	444.7	444.3	443.5	442.8	442.1	441.3	440.8
125°	482.3	482.1	481.8	481.6	481.3	481.0	480.8	480.5	480.2	480.0	479.4
127.5°	518.1	518.4	518.6	518.9	519.2	519.1	518.7	518.3	517.8	517.4	516.7
130°	541.1	541.4	541.7	541.9	542.3	542.1	541.5	541.0	540.5	540.0	539.4
132.5°	562.2	562.6	563.0	563.4	563.8	563.7	563.1	562.6	562.1	561.6	561.1
135°	594.5	594.9	595.3	595.7	596.1	596.1	595.7	595.3	594.9	594.5	594.0
137.5°	624.9	625.2	625.4	625.7	626.0	625.8	625.2	624.5	623.9	623.2	623.0
140°	643.1	643.4	643.7	643.9	644.2	644.1	643.5	643.0	642.5	642.0	641.6
142.5°	659.9	660.3	660.7	661.0	661.5	661.4	661.0	660.6	660.1	659.7	659.3
145°	685.7	685.7	685.7	685.7	685.7	685.6	685.3	685.1	684.8	684.5	684.3
147.5°	704.9	705.6	706.1	706.8	707.4	707.6	707.3	707.0	706.8	706.5	706.2
150°	719.3	719.7	720.2	720.6	721.0	721.0	720.7	720.5	720.2	719.9	719.7
152.5°	730.8	731.5	732.1	732.7	733.3	733.4	732.9	732.4	731.9	731.5	731.3
155°	746.9	747.7	748.5	749.3	750.2	750.2	749.5	748.9	748.2	747.5	747.4
157.5°	760.5	761.6	762.5	763.6	764.7	764.8	763.9	763.2	762.4	761.6	761.7
160°	769.2	770.1	771.0	771.9	772.9	772.9	772.2	771.4	770.5	769.7	769.9
162.5°	777.3	778.1	778.9	779.8	780.6	780.6	779.7	778.8	777.9	776.9	777.1
165°	787.1	788.1	789.0	789.9	790.8	790.8	789.7	788.6	787.6	786.5	786.7
167.5°	794.2	795.2	796.3	797.4	798.5	798.5	797.4	796.3	795.2	794.2	794.2
170°	798.5	799.6	800.6	801.8	802.8	802.8	801.8	800.6	799.6	798.5	798.5
172.5°	801.0	802.1	803.3	804.5	805.6	805.7	804.6	803.6	802.5	801.4	801.3
175°	804.5	805.6	806.7	807.7	808.8	808.9	808.0	807.0	806.1	805.1	805.0
177.5°	805.6	806.7	807.7	808.8	809.8	810.0	809.1	808.3	807.4	806.6	806.5
180°	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	753.2	752.4	748.9	744.9	739.7	736.2	733.4	732.0	727.5	721.9	718.2
5°	799.7	790.4	780.4	768.2	756.9	745.4	738.3	729.8	719.5	707.9	699.8
7.5°	849.5	831.2	811.4	791.0	770.8	752.7	736.7	723.0	706.6	690.1	678.4
10°	887.8	861.0	833.2	804.7	778.8	754.5	735.7	717.3	697.7	678.6	664.2
12.5°	922.5	887.2	855.2	820.2	787.1	758.0	731.0	709.3	685.7	665.4	649.0
15°	966.5	930.3	891.5	838.5	794.4	757.6	724.8	696.3	667.6	642.7	626.7
17.5°	1007.5	953.1	901.1	856.7	799.6	753.5	713.5	679.5	648.0	621.5	601.9
20°	1024.6	971.8	915.3	858.8	802.6	751.1	704.5	667.0	634.2	604.2	586.1
22.5°	1034.8	975.0	915.5	854.8	795.1	741.5	695.5	654.3	618.7	590.3	567.9
25°	1046.8	975.5	910.0	850.0	789.1	731.0	676.4	632.7	594.3	563.9	540.2
27.5°	1054.6	970.9	893.3	826.7	764.9	707.1	657.0	610.7	571.7	539.6	514.2
30°	1056.1	967.1	880.6	808.5	745.7	692.6	639.5	595.2	554.0	519.9	496.2
32.5°	1058.1	957.9	863.4	786.8	722.5	669.9	621.8	579.4	537.2	503.7	479.5
35°	1049.9	952.8	837.2	749.2	684.9	633.9	590.5	551.5	510.0	477.4	452.8
37.5°	1014.4	932.5	810.1	706.8	639.5	592.4	557.0	523.0	484.9	449.9	426.6
40°	978.7	912.5	789.1	681.1	610.8	562.4	530.5	502.8	465.9	433.1	408.1
42.5°	925.4	885.3	769.2	654.1	578.3	531.7	504.8	478.7	446.5	413.1	389.6
45°	827.9	833.2	728.2	611.1	533.4	486.5	461.2	443.1	414.4	386.9	362.9
47.5°	705.4	755.0	680.2	565.3	486.0	442.0	419.9	404.1	384.7	357.8	335.8
50°	625.5	696.3	641.7	534.6	456.2	412.5	390.7	377.9	361.0	339.7	318.9
52.5°	551.8	627.9	595.3	500.3	424.0	384.0	362.6	352.1	338.8	318.8	299.9
55°	450.0	527.1	519.6	448.7	375.7	339.7	323.5	311.7	302.6	287.6	272.6
57.5°	363.9	437.1	441.0	391.3	333.0	297.6	283.6	274.7	268.7	257.5	243.6
60°	309.8	376.9	390.0	352.5	302.6	271.3	257.6	250.5	245.7	236.7	226.1
62.5°	264.8	322.0	336.8	309.8	273.4	244.1	233.4	226.5	223.3	215.5	206.1
65°	202.7	250.1	264.5	249.5	230.5	207.0	198.3	192.3	189.6	185.2	178.3
67.5°	152.4	187.0	202.8	192.2	185.3	170.5	164.9	161.8	159.2	156.3	150.5
70°	122.4	148.1	164.3	161.4	155.8	148.1	144.0	141.8	139.3	136.8	131.8
72.5°	98.4	116.0	131.3	132.7	128.1	126.5	122.9	122.1	120.5	117.6	114.8
75°	65.3	77.5	88.1	92.1	94.0	95.6	94.0	93.7	93.4	90.9	89.3
77.5°	42.8	49.3	56.0	62.9	65.9	68.0	68.5	69.6	68.8	67.5	66.8
80°	32.8	34.3	39.1	45.0	49.7	51.5	52.7	53.4	53.1	52.7	51.5
82.5°	23.8	25.1	27.3	31.5	35.4	38.6	39.3	39.1	39.9	40.0	39.1
85°	12.8	13.1	13.8	14.3	16.6	20.0	21.0	21.5	22.2	22.2	20.3
87.5°	6.2	5.6	5.7	5.5	6.0	5.9	7.1	8.2	8.6	7.9	8.2
90°	10.9	9.2	7.5	6.0	4.6	3.3	2.0	0.6	2.0	3.3	4.6
92.5°	12.7	11.4	10.1	9.7	10.0	10.4	10.8	11.2	10.8	10.4	10.0
95°	15.7	14.2	12.7	14.8	20.2	25.7	31.1	36.6	31.1	25.7	20.2
97.5°	38.5	48.1	57.7	63.8	66.2	68.6	71.1	73.5	71.1	68.6	66.2
100°	61.4	82.2	103.0	112.0	109.4	106.7	104.0	101.4	104.0	106.7	109.4
102.5°	84.9	107.6	130.4	140.7	138.8	136.9	135.0	133.1	135.0	136.9	138.8
105°	155.4	167.4	179.4	184.7	183.2	181.7	180.3	178.8	180.3	181.7	183.2
107.5°	237.0	235.1	233.3	231.7	230.6	229.3	228.2	227.0	228.2	229.3	230.6
110°	267.7	266.2	264.7	263.4	262.4	261.3	260.2	259.2	260.2	261.3	262.4





TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	297.9	296.4	295.0	293.8	292.8	291.8	290.8	289.9	290.8	291.8	292.8
115°	341.9	340.8	339.6	338.6	337.8	337.0	336.1	335.3	336.1	337.0	337.8
117.5°	385.4	384.7	384.2	383.4	382.4	381.4	380.4	379.4	380.4	381.4	382.4
120°	413.2	412.8	412.4	411.6	410.3	409.2	408.0	406.8	408.0	409.2	410.3
122.5°	440.3	439.8	439.3	438.5	437.6	436.6	435.6	434.6	435.6	436.6	437.6
125°	478.9	478.3	477.8	477.0	476.0	474.9	473.9	472.8	473.9	474.9	476.0
127.5°	516.1	515.5	514.9	514.0	512.9	511.8	510.8	509.7	510.8	511.8	512.9
130°	538.9	538.3	537.9	537.0	536.0	534.9	533.9	532.7	533.9	534.9	536.0
132.5°	560.7	560.3	559.9	559.1	558.0	556.9	555.9	554.8	555.9	556.9	558.0
135°	593.5	593.0	592.4	591.7	590.9	590.1	589.4	588.6	589.4	590.1	590.9
137.5°	622.6	622.3	622.1	621.4	620.4	619.4	618.3	617.3	618.3	619.4	620.4
140°	641.2	640.7	640.3	639.8	639.0	638.1	637.3	636.5	637.3	638.1	639.0
142.5°	658.9	658.5	658.1	657.5	656.7	655.9	655.1	654.3	655.1	655.9	656.7
145°	684.0	683.7	683.5	682.9	681.9	681.0	680.0	679.1	680.0	681.0	681.9
147.5°	706.0	705.7	705.4	705.0	704.3	703.8	703.1	702.5	703.1	703.8	704.3
150°	719.4	719.2	718.8	718.5	718.1	717.7	717.3	717.0	717.3	717.7	718.1
152.5°	731.2	731.0	730.8	730.7	730.4	730.3	730.1	729.9	730.1	730.3	730.4
155°	747.3	747.1	747.0	747.1	747.3	747.6	747.9	748.1	747.9	747.6	747.3
157.5°	761.8	762.0	762.1	762.2	762.2	762.2	762.3	762.3	762.3	762.2	762.2
160°	770.0	770.1	770.3	770.4	770.5	770.7	770.8	770.9	770.8	770.7	770.5
162.5°	777.2	777.3	777.5	777.7	778.0	778.4	778.8	779.1	778.8	778.4	778.0
165°	786.8	786.9	787.1	787.3	787.7	788.1	788.6	789.0	788.6	788.1	787.7
167.5°	794.2	794.2	794.2	794.5	795.0	795.6	796.1	796.6	796.1	795.6	795.0
170°	798.5	798.5	798.5	798.8	799.3	799.9	800.4	801.0	800.4	799.9	799.3
172.5°	801.2	801.1	801.0	801.3	801.9	802.5	803.2	803.8	803.2	802.5	801.9
175°	804.9	804.7	804.6	804.9	805.5	806.2	806.8	807.6	806.8	806.2	805.5
177.5°	806.3	806.2	806.2	806.3	806.9	807.4	808.0	808.5	808.0	807.4	806.9
180°	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6



TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	717.0	713.7	711.5	706.5	703.3	699.8	696.3	698.5	698.2	698.0	698.0
5°	692.9	685.7	679.2	670.7	665.4	658.9	653.9	653.3	654.5	650.1	647.7
7.5°	669.1	659.3	650.0	640.7	630.8	622.9	618.0	615.7	612.5	609.8	607.0
10°	652.3	640.8	631.7	620.2	609.6	600.2	594.3	590.2	588.0	585.8	581.8
12.5°	635.1	623.8	612.2	599.2	589.1	578.2	573.8	569.2	565.0	562.6	557.0
15°	609.8	595.2	583.0	569.2	558.1	547.4	541.2	532.1	530.8	527.7	522.1
17.5°	584.6	568.7	551.9	541.7	529.0	518.0	508.4	505.4	496.4	493.1	488.2
20°	564.6	549.9	537.1	523.7	505.2	495.0	487.5	483.4	476.2	471.8	468.7
22.5°	547.4	532.4	517.6	502.0	486.7	475.2	469.7	463.4	459.5	453.4	450.0
25°	522.8	506.5	488.7	471.8	460.9	452.2	443.4	437.8	432.2	429.3	423.1
27.5°	494.2	477.2	460.6	447.8	434.3	425.7	417.8	412.8	406.0	401.3	397.9
30°	478.4	458.4	444.1	432.5	415.3	407.2	401.3	395.0	390.0	385.1	381.6
32.5°	460.2	441.9	428.3	414.0	400.8	392.0	384.3	378.8	374.5	369.8	366.4
35°	431.5	416.3	402.2	387.8	378.1	369.1	360.0	355.4	351.3	346.9	343.8
37.5°	405.7	391.4	378.1	364.4	352.5	345.0	337.8	334.2	328.7	325.8	322.6
40°	389.7	375.7	361.3	348.2	335.7	330.1	323.5	318.2	313.2	311.0	307.6
42.5°	372.3	358.2	346.1	331.9	321.7	314.1	308.0	302.2	298.5	295.3	293.3
45°	346.3	333.8	322.0	307.9	298.2	291.6	284.8	279.5	276.1	273.9	270.4
47.5°	321.1	308.7	296.6	284.4	275.0	267.5	260.7	256.9	252.4	249.7	247.4
50°	302.9	291.6	278.8	267.6	258.3	250.8	245.2	240.4	236.4	232.9	231.4
52.5°	286.2	274.2	263.1	252.7	242.8	234.2	229.2	224.2	221.2	217.2	215.4
55°	258.5	247.0	237.7	227.3	217.7	210.5	204.2	199.8	196.7	192.3	189.9
57.5°	232.6	222.3	211.1	202.2	192.2	186.1	180.9	175.0	171.2	167.8	165.3
60°	215.2	203.3	193.6	185.2	176.4	168.6	164.0	159.2	155.2	151.7	149.6
62.5°	196.9	186.5	177.4	168.2	160.2	153.4	148.0	144.0	140.5	138.3	136.1
65°	168.9	160.9	151.5	144.0	136.5	131.5	127.1	123.7	121.2	119.6	117.7
67.5°	143.2	135.3	127.2	119.8	114.8	111.0	108.1	105.2	104.0	101.9	100.7
70°	126.5	118.4	111.2	105.6	100.5	97.8	95.9	93.7	92.5	89.9	88.7
72.5°	108.3	102.4	97.2	92.5	88.5	86.0	83.6	81.0	78.9	76.2	74.9
75°	85.3	80.0	75.9	72.7	70.3	66.9	63.4	60.6	59.7	58.7	58.4
77.5°	63.1	59.8	56.8	54.2	51.1	48.6	47.9	47.2	47.0	46.6	46.6
80°	49.7	46.6	44.4	41.3	39.4	39.4	39.4	38.7	39.1	39.1	39.1
82.5°	36.9	34.0	32.9	31.7	31.4	31.6	31.6	31.7	31.6	32.0	31.8
85°	19.1	19.3	20.0	19.6	20.0	20.0	20.6	20.3	20.6	20.0	20.6
87.5°	8.2	9.2	9.9	10.4	11.0	11.1	11.5	11.6	11.9	12.1	12.1
90°	6.0	7.5	9.2	10.9	12.6	14.4	14.9	15.5	16.0	16.6	17.0
92.5°	9.7	10.1	11.4	12.7	14.0	15.3	16.2	17.0	17.9	18.8	19.2
95°	14.8	12.7	14.2	15.7	17.1	18.6	19.6	20.5	21.4	22.3	22.8
97.5°	63.8	57.7	48.1	38.5	28.9	19.3	20.4	21.4	22.5	23.6	24.2
100°	112.0	103.0	82.2	61.4	40.6	19.8	20.9	21.9	23.0	24.1	24.7
102.5°	140.7	130.4	107.6	84.9	62.2	39.5	36.2	32.9	29.6	26.3	24.7
105°	184.7	179.4	167.4	155.4	143.4	131.4	107.8	84.2	60.6	37.0	25.4
107.5°	231.7	233.3	235.1	237.0	239.0	240.8	223.5	206.2	188.9	171.6	154.1
110°	263.4	264.7	266.2	267.7	269.1	270.6	266.2	261.8	257.4	253.0	241.2



TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	293.8	295.0	296.4	297.9	299.4	300.8	300.9	301.0	301.1	301.2	299.1
115°	338.6	339.6	340.8	341.9	343.2	344.4	345.7	347.1	348.4	349.7	350.7
117.5°	383.4	384.2	384.7	385.4	386.0	386.6	387.7	388.7	389.8	390.9	391.4
120°	411.6	412.4	412.8	413.2	413.6	413.9	415.1	416.1	417.2	418.2	418.7
122.5°	438.5	439.3	439.8	440.3	440.8	441.3	442.1	442.8	443.5	444.3	444.7
125°	477.0	477.8	478.3	478.9	479.4	480.0	480.2	480.5	480.8	481.0	481.3
127.5°	514.0	514.9	515.5	516.1	516.7	517.4	517.8	518.3	518.7	519.1	519.2
130°	537.0	537.9	538.3	538.9	539.4	540.0	540.5	541.0	541.5	542.1	542.3
132.5°	559.1	559.9	560.3	560.7	561.1	561.6	562.1	562.6	563.1	563.7	563.8
135°	591.7	592.4	593.0	593.5	594.0	594.5	594.9	595.3	595.7	596.1	596.1
137.5°	621.4	622.1	622.3	622.6	623.0	623.2	623.9	624.5	625.2	625.8	626.0
140°	639.8	640.3	640.7	641.2	641.6	642.0	642.5	643.0	643.5	644.1	644.2
142.5°	657.5	658.1	658.5	658.9	659.3	659.7	660.1	660.6	661.0	661.4	661.5
145°	682.9	683.5	683.7	684.0	684.3	684.5	684.8	685.1	685.3	685.6	685.7
147.5°	705.0	705.4	705.7	706.0	706.2	706.5	706.8	707.0	707.3	707.6	707.4
150°	718.5	718.8	719.2	719.4	719.7	719.9	720.2	720.5	720.7	721.0	721.0
152.5°	730.7	730.8	731.0	731.2	731.3	731.5	731.9	732.4	732.9	733.4	733.3
155°	747.1	747.0	747.1	747.3	747.4	747.5	748.2	748.9	749.5	750.2	750.2
157.5°	762.2	762.1	762.0	761.8	761.7	761.6	762.4	763.2	763.9	764.8	764.7
160°	770.4	770.3	770.1	770.0	769.9	769.7	770.5	771.4	772.2	772.9	772.9
162.5°	777.7	777.5	777.3	777.2	777.1	776.9	777.9	778.8	779.7	780.6	780.6
165°	787.3	787.1	786.9	786.8	786.7	786.5	787.6	788.6	789.7	790.8	790.8
167.5°	794.5	794.2	794.2	794.2	794.2	794.2	795.2	796.3	797.4	798.5	798.5
170°	798.8	798.5	798.5	798.5	798.5	798.5	799.6	800.6	801.8	802.8	802.8
172.5°	801.3	801.0	801.1	801.2	801.3	801.4	802.5	803.6	804.6	805.7	805.6
175°	804.9	804.6	804.7	804.9	805.0	805.1	806.1	807.0	808.0	808.9	808.8
177.5°	806.3	806.2	806.2	806.3	806.5	806.6	807.4	808.3	809.1	810.0	809.8
180°	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6



TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	695.0	694.7	695.0	694.0	695.0	694.7	695.0	698.0	698.0	698.2	698.5
5°	646.7	646.4	645.5	642.7	645.5	646.4	646.7	647.7	650.1	654.5	653.3
7.5°	604.5	604.1	601.4	601.4	601.4	604.1	604.5	607.0	609.8	612.5	615.7
10°	579.6	579.9	576.2	574.0	576.2	579.9	579.6	581.8	585.8	588.0	590.2
12.5°	555.4	553.9	550.9	548.5	550.9	553.9	555.4	557.0	562.6	565.0	569.2
15°	523.3	520.2	512.7	513.4	512.7	520.2	523.3	522.1	527.7	530.8	532.1
17.5°	485.7	483.4	483.3	478.9	483.3	483.4	485.7	488.2	493.1	496.4	505.4
20°	463.7	462.2	462.8	458.4	462.8	462.2	463.7	468.7	471.8	476.2	483.4
22.5°	446.5	444.9	442.3	440.9	442.3	444.9	446.5	450.0	453.4	459.5	463.4
25°	421.3	418.7	416.3	417.8	416.3	418.7	421.3	423.1	429.3	432.2	437.8
27.5°	396.0	394.1	391.7	391.3	391.7	394.1	396.0	397.9	401.3	406.0	412.8
30°	380.0	378.1	376.9	375.4	376.9	378.1	380.0	381.6	385.1	390.0	395.0
32.5°	363.8	363.5	361.2	360.9	361.2	363.5	363.8	366.4	369.8	374.5	378.8
35°	342.6	340.7	340.1	340.4	340.1	340.7	342.6	343.8	346.9	351.3	355.4
37.5°	322.4	319.9	318.8	317.6	318.8	319.9	322.4	322.6	325.8	328.7	334.2
40°	307.9	305.4	304.8	304.2	304.8	305.4	307.9	307.6	311.0	313.2	318.2
42.5°	291.6	290.7	290.3	289.2	290.3	290.7	291.6	293.3	295.3	298.5	302.2
45°	269.5	269.2	267.3	267.9	267.3	269.2	269.5	270.4	273.9	276.1	279.5
47.5°	246.1	244.8	243.4	244.3	243.4	244.8	246.1	247.4	249.7	252.4	256.9
50°	230.2	229.5	226.7	227.3	226.7	229.5	230.2	231.4	232.9	236.4	240.4
52.5°	214.2	211.8	210.8	210.3	210.8	211.8	214.2	215.4	217.2	221.2	224.2
55°	187.7	184.8	183.6	183.0	183.6	184.8	187.7	189.9	192.3	196.7	199.8
57.5°	161.7	160.9	160.0	160.6	160.0	160.9	161.7	165.3	167.8	171.2	175.0
60°	146.4	146.4	146.4	146.2	146.4	146.4	146.4	149.6	151.7	155.2	159.2
62.5°	134.7	134.0	133.7	134.1	133.7	134.0	134.7	136.1	138.3	140.5	144.0
65°	116.8	116.5	115.2	115.0	115.2	116.5	116.8	117.7	119.6	121.2	123.7
67.5°	99.9	98.7	98.4	97.9	98.4	98.7	99.9	100.7	101.9	104.0	105.2
70°	87.2	86.5	84.6	85.0	84.6	86.5	87.2	88.7	89.9	92.5	93.7
72.5°	73.4	72.7	72.4	71.9	72.4	72.7	73.4	74.9	76.2	78.9	81.0
75°	58.0	57.8	57.5	58.7	57.5	57.8	58.0	58.4	58.7	59.7	60.6
77.5°	46.6	46.6	46.7	46.2	46.7	46.6	46.6	46.6	46.6	47.0	47.2
80°	39.1	39.1	38.7	38.7	38.7	39.1	39.1	39.1	39.1	39.1	38.7
82.5°	31.3	31.6	31.7	31.2	31.7	31.6	31.3	31.8	32.0	31.6	31.7
85°	20.6	20.3	21.0	20.6	21.0	20.3	20.6	20.6	20.0	20.6	20.3
87.5°	12.7	12.2	12.3	12.6	12.3	12.2	12.7	12.1	12.1	11.9	11.6
90°	17.2	17.4	17.7	18.0	17.7	17.4	17.2	17.0	16.6	16.0	15.5
92.5°	19.4	19.6	19.7	19.9	19.7	19.6	19.4	19.2	18.8	17.9	17.0
95°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.3	21.4	20.5
97.5°	24.3	24.5	24.6	24.7	24.6	24.5	24.3	24.2	23.6	22.5	21.4
100°	24.8	24.9	25.0	25.2	25.0	24.9	24.8	24.7	24.1	23.0	21.9
102.5°	24.9	25.2	25.4	25.7	25.4	25.2	24.9	24.7	26.3	29.6	32.9
105°	25.6	25.8	26.2	26.4	26.2	25.8	25.6	25.4	37.0	60.6	84.2
107.5°	136.2	118.5	100.7	82.9	100.7	118.5	136.2	154.1	171.6	188.9	206.2
110°	222.2	203.1	184.0	165.0	184.0	203.1	222.2	241.2	253.0	257.4	261.8



TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	295.1	291.1	287.1	283.1	287.1	291.1	295.1	299.1	301.2	301.1	301.0
115°	351.1	351.7	352.2	352.8	352.2	351.7	351.1	350.7	349.7	348.4	347.1
117.5°	391.6	391.7	391.8	391.9	391.8	391.7	391.6	391.4	390.9	389.8	388.7
120°	418.7	418.7	418.7	418.7	418.7	418.7	418.7	418.7	418.2	417.2	416.1
122.5°	444.8	444.9	445.1	445.2	445.1	444.9	444.8	444.7	444.3	443.5	442.8
125°	481.6	481.8	482.1	482.3	482.1	481.8	481.6	481.3	481.0	480.8	480.5
127.5°	518.9	518.6	518.4	518.1	518.4	518.6	518.9	519.2	519.1	518.7	518.3
130°	541.9	541.7	541.4	541.1	541.4	541.7	541.9	542.3	542.1	541.5	541.0
132.5°	563.4	563.0	562.6	562.2	562.6	563.0	563.4	563.8	563.7	563.1	562.6
135°	595.7	595.3	594.9	594.5	594.9	595.3	595.7	596.1	596.1	595.7	595.3
137.5°	625.7	625.4	625.2	624.9	625.2	625.4	625.7	626.0	625.8	625.2	624.5
140°	643.9	643.7	643.4	643.1	643.4	643.7	643.9	644.2	644.1	643.5	643.0
142.5°	661.0	660.7	660.3	659.9	660.3	660.7	661.0	661.5	661.4	661.0	660.6
145°	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.6	685.3	685.1
147.5°	706.8	706.1	705.6	704.9	705.6	706.1	706.8	707.4	707.6	707.3	707.0
150°	720.6	720.2	719.7	719.3	719.7	720.2	720.6	721.0	721.0	720.7	720.5
152.5°	732.7	732.1	731.5	730.8	731.5	732.1	732.7	733.3	733.4	732.9	732.4
155°	749.3	748.5	747.7	746.9	747.7	748.5	749.3	750.2	750.2	749.5	748.9
157.5°	763.6	762.5	761.6	760.5	761.6	762.5	763.6	764.7	764.8	763.9	763.2
160°	771.9	771.0	770.1	769.2	770.1	771.0	771.9	772.9	772.9	772.2	771.4
162.5°	779.8	778.9	778.1	777.3	778.1	778.9	779.8	780.6	780.6	779.7	778.8
165°	789.9	789.0	788.1	787.1	788.1	789.0	789.9	790.8	790.8	789.7	788.6
167.5°	797.4	796.3	795.2	794.2	795.2	796.3	797.4	798.5	798.5	797.4	796.3
170°	801.8	800.6	799.6	798.5	799.6	800.6	801.8	802.8	802.8	801.8	800.6
172.5°	804.5	803.3	802.1	801.0	802.1	803.3	804.5	805.6	805.7	804.6	803.6
175°	807.7	806.7	805.6	804.5	805.6	806.7	807.7	808.8	808.9	808.0	807.0
177.5°	808.8	807.7	806.7	805.6	806.7	807.7	808.8	809.8	810.0	809.1	808.3
180°	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6



TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	696.3	699.8	703.3	706.5	711.5	713.7	717.0	718.2	721.9	727.5	732.0
5°	653.9	658.9	665.4	670.7	679.2	685.7	692.9	699.8	707.9	719.5	729.8
7.5°	618.0	622.9	630.8	640.7	650.0	659.3	669.1	678.4	690.1	706.6	723.0
10°	594.3	600.2	609.6	620.2	631.7	640.8	652.3	664.2	678.6	697.7	717.3
12.5°	573.8	578.2	589.1	599.2	612.2	623.8	635.1	649.0	665.4	685.7	709.3
15°	541.2	547.4	558.1	569.2	583.0	595.2	609.8	626.7	642.7	667.6	696.3
17.5°	508.4	518.0	529.0	541.7	551.9	568.7	584.6	601.9	621.5	648.0	679.5
20°	487.5	495.0	505.2	523.7	537.1	549.9	564.6	586.1	604.2	634.2	667.0
22.5°	469.7	475.2	486.7	502.0	517.6	532.4	547.4	567.9	590.3	618.7	654.3
25°	443.4	452.2	460.9	471.8	488.7	506.5	522.8	540.2	563.9	594.3	632.7
27.5°	417.8	425.7	434.3	447.8	460.6	477.2	494.2	514.2	539.6	571.7	610.7
30°	401.3	407.2	415.3	432.5	444.1	458.4	478.4	496.2	519.9	554.0	595.2
32.5°	384.3	392.0	400.8	414.0	428.3	441.9	460.2	479.5	503.7	537.2	579.4
35°	360.0	369.1	378.1	387.8	402.2	416.3	431.5	452.8	477.4	510.0	551.5
37.5°	337.8	345.0	352.5	364.4	378.1	391.4	405.7	426.6	449.9	484.9	523.0
40°	323.5	330.1	335.7	348.2	361.3	375.7	389.7	408.1	433.1	465.9	502.8
42.5°	308.0	314.1	321.7	331.9	346.1	358.2	372.3	389.6	413.1	446.5	478.7
45°	284.8	291.6	298.2	307.9	322.0	333.8	346.3	362.9	386.9	414.4	443.1
47.5°	260.7	267.5	275.0	284.4	296.6	308.7	321.1	335.8	357.8	384.7	404.1
50°	245.2	250.8	258.3	267.6	278.8	291.6	302.9	318.9	339.7	361.0	377.9
52.5°	229.2	234.2	242.8	252.7	263.1	274.2	286.2	299.9	318.8	338.8	352.1
55°	204.2	210.5	217.7	227.3	237.7	247.0	258.5	272.6	287.6	302.6	311.7
57.5°	180.9	186.1	192.2	202.2	211.1	222.3	232.6	243.6	257.5	268.7	274.7
60°	164.0	168.6	176.4	185.2	193.6	203.3	215.2	226.1	236.7	245.7	250.5
62.5°	148.0	153.4	160.2	168.2	177.4	186.5	196.9	206.1	215.5	223.3	226.5
65°	127.1	131.5	136.5	144.0	151.5	160.9	168.9	178.3	185.2	189.6	192.3
67.5°	108.1	111.0	114.8	119.8	127.2	135.3	143.2	150.5	156.3	159.2	161.8
70°	95.9	97.8	100.5	105.6	111.2	118.4	126.5	131.8	136.8	139.3	141.8
72.5°	83.6	86.0	88.5	92.5	97.2	102.4	108.3	114.8	117.6	120.5	122.1
75°	63.4	66.9	70.3	72.7	75.9	80.0	85.3	89.3	90.9	93.4	93.7
77.5°	47.9	48.6	51.1	54.2	56.8	59.8	63.1	66.8	67.5	68.8	69.6
80°	39.4	39.4	39.4	41.3	44.4	46.6	49.7	51.5	52.7	53.1	53.4
82.5°	31.6	31.6	31.4	31.7	32.9	34.0	36.9	39.1	40.0	39.9	39.1
85°	20.6	20.0	20.0	19.6	20.0	19.3	19.1	20.3	22.2	22.2	21.5
87.5°	11.5	11.1	11.0	10.4	9.9	9.2	8.2	8.2	7.9	8.6	8.2
90°	14.9	14.4	12.6	10.9	9.2	7.5	6.0	4.6	3.3	2.0	0.6
92.5°	16.2	15.3	14.0	12.7	11.4	10.1	9.7	10.0	10.4	10.8	11.2
95°	19.6	18.6	17.1	15.7	14.2	12.7	14.8	20.2	25.7	31.1	36.6
97.5°	20.4	19.3	28.9	38.5	48.1	57.7	63.8	66.2	68.6	71.1	73.5
100°	20.9	19.8	40.6	61.4	82.2	103.0	112.0	109.4	106.7	104.0	101.4
102.5°	36.2	39.5	62.2	84.9	107.6	130.4	140.7	138.8	136.9	135.0	133.1
105°	107.8	131.4	143.4	155.4	167.4	179.4	184.7	183.2	181.7	180.3	178.8
107.5°	223.5	240.8	239.0	237.0	235.1	233.3	231.7	230.6	229.3	228.2	227.0
110°	266.2	270.6	269.1	267.7	266.2	264.7	263.4	262.4	261.3	260.2	259.2



TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	300.9	300.8	299.4	297.9	296.4	295.0	293.8	292.8	291.8	290.8	289.9
115°	345.7	344.4	343.2	341.9	340.8	339.6	338.6	337.8	337.0	336.1	335.3
117.5°	387.7	386.6	386.0	385.4	384.7	384.2	383.4	382.4	381.4	380.4	379.4
120°	415.1	413.9	413.6	413.2	412.8	412.4	411.6	410.3	409.2	408.0	406.8
122.5°	442.1	441.3	440.8	440.3	439.8	439.3	438.5	437.6	436.6	435.6	434.6
125°	480.2	480.0	479.4	478.9	478.3	477.8	477.0	476.0	474.9	473.9	472.8
127.5°	517.8	517.4	516.7	516.1	515.5	514.9	514.0	512.9	511.8	510.8	509.7
130°	540.5	540.0	539.4	538.9	538.3	537.9	537.0	536.0	534.9	533.9	532.7
132.5°	562.1	561.6	561.1	560.7	560.3	559.9	559.1	558.0	556.9	555.9	554.8
135°	594.9	594.5	594.0	593.5	593.0	592.4	591.7	590.9	590.1	589.4	588.6
137.5°	623.9	623.2	623.0	622.6	622.3	622.1	621.4	620.4	619.4	618.3	617.3
140°	642.5	642.0	641.6	641.2	640.7	640.3	639.8	639.0	638.1	637.3	636.5
142.5°	660.1	659.7	659.3	658.9	658.5	658.1	657.5	656.7	655.9	655.1	654.3
145°	684.8	684.5	684.3	684.0	683.7	683.5	682.9	681.9	681.0	680.0	679.1
147.5°	706.8	706.5	706.2	706.0	705.7	705.4	705.0	704.3	703.8	703.1	702.5
150°	720.2	719.9	719.7	719.4	719.2	718.8	718.5	718.1	717.7	717.3	717.0
152.5°	731.9	731.5	731.3	731.2	731.0	730.8	730.7	730.4	730.3	730.1	729.9
155°	748.2	747.5	747.4	747.3	747.1	747.0	747.1	747.3	747.6	747.9	748.1
157.5°	762.4	761.6	761.7	761.8	762.0	762.1	762.2	762.2	762.2	762.3	762.3
160°	770.5	769.7	769.9	770.0	770.1	770.3	770.4	770.5	770.7	770.8	770.9
162.5°	777.9	776.9	777.1	777.2	777.3	777.5	777.7	778.0	778.4	778.8	779.1
165°	787.6	786.5	786.7	786.8	786.9	787.1	787.3	787.7	788.1	788.6	789.0
167.5°	795.2	794.2	794.2	794.2	794.2	794.2	794.5	795.0	795.6	796.1	796.6
170°	799.6	798.5	798.5	798.5	798.5	798.5	798.8	799.3	799.9	800.4	801.0
172.5°	802.5	801.4	801.3	801.2	801.1	801.0	801.3	801.9	802.5	803.2	803.8
175°	806.1	805.1	805.0	804.9	804.7	804.6	804.9	805.5	806.2	806.8	807.6
177.5°	807.4	806.6	806.5	806.3	806.2	806.2	806.3	806.9	807.4	808.0	808.5
180°	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6



TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	733.4	736.2	739.7	744.9	748.9	752.4	753.2	754.2	756.7	760.9	764.2
5°	738.3	745.4	756.9	768.2	780.4	790.4	799.7	806.3	812.5	825.7	836.3
7.5°	736.7	752.7	770.8	791.0	811.4	831.2	849.5	866.0	882.4	901.5	923.2
10°	735.7	754.5	778.8	804.7	833.2	861.0	887.8	908.7	933.1	955.0	982.8
12.5°	731.0	758.0	787.1	820.2	855.2	887.2	922.5	951.5	979.3	1010.9	1043.2
15°	724.8	757.6	794.4	838.5	891.5	930.3	966.5	1016.8	1051.1	1085.5	1131.7
17.5°	713.5	753.5	799.6	856.7	901.1	953.1	1007.5	1047.3	1093.6	1142.0	1183.8
20°	704.5	751.1	802.6	858.8	915.3	971.8	1024.6	1072.0	1119.8	1175.7	1210.1
22.5°	695.5	741.5	795.1	854.8	915.5	975.0	1034.8	1090.5	1144.3	1200.7	1244.6
25°	676.4	731.0	789.1	850.0	910.0	975.5	1046.8	1108.9	1175.4	1233.5	1275.0
27.5°	657.0	707.1	764.9	826.7	893.3	970.9	1054.6	1125.3	1191.9	1233.5	1246.5
30°	639.5	692.6	745.7	808.5	880.6	967.1	1056.1	1137.0	1191.6	1209.7	1196.3
32.5°	621.8	669.9	722.5	786.8	863.4	957.9	1058.1	1130.0	1162.9	1149.1	1094.4
35°	590.5	633.9	684.9	749.2	837.2	952.8	1049.9	1098.6	1090.5	1012.4	909.3
37.5°	557.0	592.4	639.5	706.8	810.1	932.5	1014.4	1021.6	951.3	831.4	712.4
40°	530.5	562.4	610.8	681.1	789.1	912.5	978.7	949.7	840.7	707.3	608.0
42.5°	504.8	531.7	578.3	654.1	769.2	885.3	925.4	862.2	736.5	610.3	520.1
45°	461.2	486.5	533.4	611.1	728.2	833.2	827.9	718.0	592.1	490.6	415.6
47.5°	419.9	442.0	486.0	565.3	680.2	755.0	705.4	588.5	481.7	400.3	346.8
50°	390.7	412.5	456.2	534.6	641.7	696.3	625.5	512.7	415.0	347.6	305.1
52.5°	362.6	384.0	424.0	500.3	595.3	627.9	551.8	447.3	365.8	307.6	271.1
55°	323.5	339.7	375.7	448.7	519.6	527.1	450.0	362.6	295.4	254.8	229.8
57.5°	283.6	297.6	333.0	391.3	441.0	437.1	363.9	288.4	243.1	213.0	194.9
60°	257.6	271.3	302.6	352.5	390.0	376.9	309.8	248.9	210.2	188.0	173.7
62.5°	233.4	244.1	273.4	309.8	336.8	322.0	264.8	214.4	183.7	165.0	153.6
65°	198.3	207.0	230.5	249.5	264.5	250.1	202.7	167.7	145.5	132.4	124.6
67.5°	164.9	170.5	185.3	192.2	202.8	187.0	152.4	129.0	116.3	105.3	99.9
70°	144.0	148.1	155.8	161.4	164.3	148.1	122.4	105.3	94.7	86.8	83.4
72.5°	122.9	126.5	128.1	132.7	131.3	116.0	98.4	84.8	77.1	71.8	67.4
75°	94.0	95.6	94.0	92.1	88.1	77.5	65.3	58.4	52.7	50.3	48.8
77.5°	68.5	68.0	65.9	62.9	56.0	49.3	42.8	40.4	38.1	36.7	36.2
80°	52.7	51.5	49.7	45.0	39.1	34.3	32.8	31.2	30.3	28.7	28.5
82.5°	39.3	38.6	35.4	31.5	27.3	25.1	23.8	23.2	22.3	21.5	21.4
85°	21.0	20.0	16.6	14.3	13.8	13.1	12.8	12.8	11.6	11.3	11.3
87.5°	7.1	5.9	6.0	5.5	5.7	5.6	6.2	6.0	6.1	6.5	6.1
90°	2.0	3.3	4.6	6.0	7.5	9.2	10.9	12.6	14.4	14.9	15.5
92.5°	10.8	10.4	10.0	9.7	10.1	11.4	12.7	14.0	15.3	16.2	17.0
95°	31.1	25.7	20.2	14.8	12.7	14.2	15.7	17.1	18.6	19.6	20.5
97.5°	71.1	68.6	66.2	63.8	57.7	48.1	38.5	28.9	19.3	20.4	21.4
100°	104.0	106.7	109.4	112.0	103.0	82.2	61.4	40.6	19.8	20.9	21.9
102.5°	135.0	136.9	138.8	140.7	130.4	107.6	84.9	62.2	39.5	36.2	32.9
105°	180.3	181.7	183.2	184.7	179.4	167.4	155.4	143.4	131.4	107.8	84.2
107.5°	228.2	229.3	230.6	231.7	233.3	235.1	237.0	239.0	240.8	223.5	206.2
110°	260.2	261.3	262.4	263.4	264.7	266.2	267.7	269.1	270.6	266.2	261.8





TEST NUMBER: P332414-930

CATALOG NUMBER: S123RDIW-S560D755U930-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	290.8	291.8	292.8	293.8	295.0	296.4	297.9	299.4	300.8	300.9	301.0
115°	336.1	337.0	337.8	338.6	339.6	340.8	341.9	343.2	344.4	345.7	347.1
117.5°	380.4	381.4	382.4	383.4	384.2	384.7	385.4	386.0	386.6	387.7	388.7
120°	408.0	409.2	410.3	411.6	412.4	412.8	413.2	413.6	413.9	415.1	416.1
122.5°	435.6	436.6	437.6	438.5	439.3	439.8	440.3	440.8	441.3	442.1	442.8
125°	473.9	474.9	476.0	477.0	477.8	478.3	478.9	479.4	480.0	480.2	480.5
127.5°	510.8	511.8	512.9	514.0	514.9	515.5	516.1	516.7	517.4	517.8	518.3
130°	533.9	534.9	536.0	537.0	537.9	538.3	538.9	539.4	540.0	540.5	541.0
132.5°	555.9	556.9	558.0	559.1	559.9	560.3	560.7	561.1	561.6	562.1	562.6
135°	589.4	590.1	590.9	591.7	592.4	593.0	593.5	594.0	594.5	594.9	595.3
137.5°	618.3	619.4	620.4	621.4	622.1	622.3	622.6	623.0	623.2	623.9	624.5
140°	637.3	638.1	639.0	639.8	640.3	640.7	641.2	641.6	642.0	642.5	643.0
142.5°	655.1	655.9	656.7	657.5	658.1	658.5	658.9	659.3	659.7	660.1	660.6
145°	680.0	681.0	681.9	682.9	683.5	683.7	684.0	684.3	684.5	684.8	685.1
147.5°	703.1	703.8	704.3	705.0	705.4	705.7	706.0	706.2	706.5	706.8	707.0
150°	717.3	717.7	718.1	718.5	718.8	719.2	719.4	719.7	719.9	720.2	720.5
152.5°	730.1	730.3	730.4	730.7	730.8	731.0	731.2	731.3	731.5	731.9	732.4
155°	747.9	747.6	747.3	747.1	747.0	747.1	747.3	747.4	747.5	748.2	748.9
157.5°	762.3	762.2	762.2	762.2	762.1	762.0	761.8	761.7	761.6	762.4	763.2
160°	770.8	770.7	770.5	770.4	770.3	770.1	770.0	769.9	769.7	770.5	771.4
162.5°	778.8	778.4	778.0	777.7	777.5	777.3	777.2	777.1	776.9	777.9	778.8
165°	788.6	788.1	787.7	787.3	787.1	786.9	786.8	786.7	786.5	787.6	788.6
167.5°	796.1	795.6	795.0	794.5	794.2	794.2	794.2	794.2	794.2	795.2	796.3
170°	800.4	799.9	799.3	798.8	798.5	798.5	798.5	798.5	798.5	799.6	800.6
172.5°	803.2	802.5	801.9	801.3	801.0	801.1	801.2	801.3	801.4	802.5	803.6
175°	806.8	806.2	805.5	804.9	804.6	804.7	804.9	805.0	805.1	806.1	807.0
177.5°	808.0	807.4	806.9	806.3	806.2	806.2	806.3	806.5	806.6	807.4	808.3
180°	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6	807.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	769.5	769.5	770.5	774.2	774.7	778.0	776.9
5°	845.6	851.6	853.8	863.2	868.8	871.2	866.3
7.5°	938.8	955.5	963.5	973.3	981.9	984.6	977.8
10°	1006.8	1024.3	1038.9	1048.0	1056.5	1062.0	1069.3
12.5°	1072.4	1094.0	1107.9	1120.7	1129.4	1136.5	1137.7
15°	1143.9	1176.3	1201.0	1219.1	1228.2	1232.9	1231.0
17.5°	1215.9	1245.9	1263.6	1282.0	1294.5	1295.2	1295.6
20°	1256.6	1286.0	1306.3	1320.0	1334.1	1333.4	1336.5
22.5°	1283.9	1306.9	1322.5	1332.4	1337.3	1334.9	1335.5
25°	1296.6	1303.4	1300.6	1284.7	1280.7	1266.0	1268.4
27.5°	1230.9	1198.4	1164.8	1121.5	1087.4	1060.2	1061.6
30°	1141.7	1084.2	1018.6	963.7	914.4	900.6	871.2
32.5°	1017.0	930.8	854.0	802.8	760.4	748.9	723.3
35°	805.7	721.9	642.9	595.5	576.7	550.6	550.2
37.5°	626.2	552.5	510.8	475.2	456.5	440.6	439.0
40°	526.8	469.4	437.8	412.2	393.8	381.9	379.1
42.5°	457.4	410.9	381.3	365.5	351.3	345.2	340.6
45°	373.5	342.3	321.6	307.3	300.7	296.0	293.5
47.5°	312.4	291.5	277.4	267.9	262.5	257.6	258.9
50°	279.2	262.0	251.7	242.6	238.6	235.1	235.5
52.5°	252.4	237.0	228.7	222.2	217.1	214.7	213.4
55°	214.3	204.6	196.1	191.4	188.6	185.2	184.3
57.5°	182.7	175.2	168.4	163.1	162.4	159.1	159.5
60°	161.8	155.5	149.9	147.1	144.9	142.1	143.0
62.5°	144.6	139.3	134.1	131.8	129.6	127.6	128.0
65°	118.4	113.3	110.2	109.0	108.0	107.1	106.2
67.5°	94.3	91.2	89.3	86.6	84.7	84.4	83.4
70°	79.3	75.3	71.8	68.4	67.4	67.1	67.4
72.5°	63.6	61.0	60.1	58.4	58.2	57.4	58.0
75°	47.8	46.9	46.2	45.0	45.0	45.0	45.0
77.5°	35.2	34.7	34.3	34.0	33.8	33.3	33.3
80°	27.5	27.1	26.6	26.6	26.3	26.6	26.3
82.5°	20.7	20.7	20.1	20.1	19.7	19.6	19.7
85°	10.6	10.3	10.9	10.3	10.6	10.0	10.6
87.5°	6.2	6.3	6.1	6.2	6.0	6.5	6.1
90°	16.0	16.6	17.0	17.2	17.4	17.7	18.0
92.5°	17.9	18.8	19.2	19.4	19.6	19.7	19.9
95°	21.4	22.3	22.8	22.8	22.8	22.8	22.8
97.5°	22.5	23.6	24.2	24.3	24.5	24.6	24.7
100°	23.0	24.1	24.7	24.8	24.9	25.0	25.2
102.5°	29.6	26.3	24.7	24.9	25.2	25.4	25.7
105°	60.6	37.0	25.4	25.6	25.8	26.2	26.4
107.5°	188.9	171.6	154.1	136.2	118.5	100.7	82.9
110°	257.4	253.0	241.2	222.2	203.1	184.0	165.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	301.1	301.2	299.1	295.1	291.1	287.1	283.1
115°	348.4	349.7	350.7	351.1	351.7	352.2	352.8
117.5°	389.8	390.9	391.4	391.6	391.7	391.8	391.9
120°	417.2	418.2	418.7	418.7	418.7	418.7	418.7
122.5°	443.5	444.3	444.7	444.8	444.9	445.1	445.2
125°	480.8	481.0	481.3	481.6	481.8	482.1	482.3
127.5°	518.7	519.1	519.2	518.9	518.6	518.4	518.1
130°	541.5	542.1	542.3	541.9	541.7	541.4	541.1
132.5°	563.1	563.7	563.8	563.4	563.0	562.6	562.2
135°	595.7	596.1	596.1	595.7	595.3	594.9	594.5
137.5°	625.2	625.8	626.0	625.7	625.4	625.2	624.9
140°	643.5	644.1	644.2	643.9	643.7	643.4	643.1
142.5°	661.0	661.4	661.5	661.0	660.7	660.3	659.9
145°	685.3	685.6	685.7	685.7	685.7	685.7	685.7
147.5°	707.3	707.6	707.4	706.8	706.1	705.6	704.9
150°	720.7	721.0	721.0	720.6	720.2	719.7	719.3
152.5°	732.9	733.4	733.3	732.7	732.1	731.5	730.8
155°	749.5	750.2	750.2	749.3	748.5	747.7	746.9
157.5°	763.9	764.8	764.7	763.6	762.5	761.6	760.5
160°	772.2	772.9	772.9	771.9	771.0	770.1	769.2
162.5°	779.7	780.6	780.6	779.8	778.9	778.1	777.3
165°	789.7	790.8	790.8	789.9	789.0	788.1	787.1
167.5°	797.4	798.5	798.5	797.4	796.3	795.2	794.2
170°	801.8	802.8	802.8	801.8	800.6	799.6	798.5
172.5°	804.6	805.7	805.6	804.5	803.3	802.1	801.0
175°	808.0	808.9	808.8	807.7	806.7	805.6	804.5
177.5°	809.1	810.0	809.8	808.8	807.7	806.7	805.6
180°	807.6	807.6	807.6	807.6	807.6	807.6	807.6

(END OF REPORT)