

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: P332414-935

Luminaire Tested: **S123RDIW-S560D755U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332414-935
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-S560D755U935-4F0-1E-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: 4521.1 lumens
Efficiency: N/A
Efficacy: 120.2 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

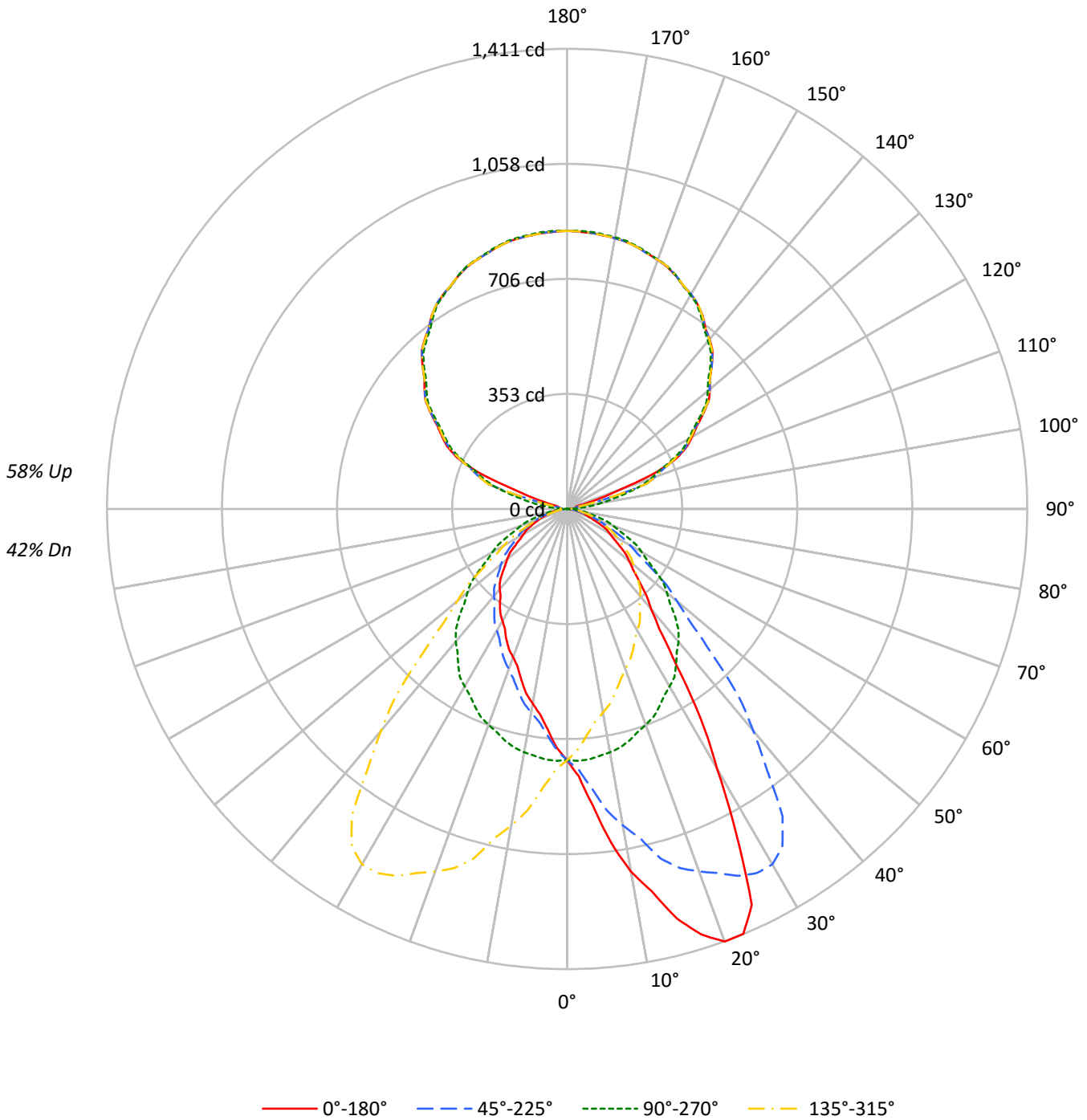
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	8291	8291	8291	8291
5°	9884	8327	7333	8327
10°	12342	8279	6625	8279
15°	14487	8195	6042	8195
20°	16167	8069	5545	8069
25°	15909	7935	5241	7935
30°	11436	7812	4927	7812
35°	7636	7653	4724	7653
40°	5626	7461	4513	7461
45°	4719	7124	4306	7124
50°	4165	6683	4019	6683
55°	3652	6178	3626	6178
60°	3251	5694	3324	5694
65°	2855	5173	3092	5173
70°	2241	4711	2823	4711
75°	1975	4113	2578	4113
80°	1717	3496	2535	3496
85°	1383	2803	2692	2803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	1.7
10°-20°	236.7	5.2
20°-30°	371.8	8.2
30°-40°	387.9	8.6
40°-50°	332.0	7.3
50°-60°	253.0	5.6
60°-70°	162.2	3.6
70°-80°	78.0	1.7
80°-90°	23.0	0.5
90°-100°	31.0	0.7
100°-110°	147.8	3.3
110°-120°	355.0	7.9
120°-130°	452.0	10.0
130°-140°	482.9	10.7
140°-150°	451.6	10.0
150°-160°	364.3	8.1
160°-170°	235.1	5.2
170°-180°	81.0	1.8
0°-30°	684.3	15.1
0°-40°	1072.2	23.7
0°-60°	1657.2	36.7
0°-90°	1920.5	42.5
90°-120°	533.7	11.8
90°-150°	1920.2	42.5
90°-180°	2601.0	57.5
0°-180°	4521.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	770	770	770	770	770	
5°	915	771	679	771	915	94
15°	1300	735	542	735	1300	369
25°	1340	668	441	668	1340	576
35°	581	582	360	582	581	381
45°	310	468	283	468	310	244
55°	195	329	193	329	195	176
65°	112	203	121	203	112	110
75°	48	99	62	99	48	51
85°	11	23	22	23	11	13
90°	19	1	19	1	19	9
95°	24	39	24	39	24	20
105°	28	189	28	189	28	64
115°	373	354	373	354	373	344
125°	509	499	509	499	509	455
135°	628	622	628	622	628	484
145°	724	717	724	717	724	452
155°	789	790	789	790	789	364
165°	831	833	831	833	831	235
175°	850	853	850	853	850	81
180°	853	853	853	853	853	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	820.4	821.6	818.1	817.6	813.6	812.6	812.6	807.0	803.6	799.1	796.5
5°	914.8	920.1	917.5	911.5	901.6	899.3	893.0	883.1	871.9	858.1	851.5
7.5°	1032.6	1039.8	1037.0	1027.9	1017.5	1009.1	991.4	975.0	952.0	931.9	914.6
10°	1129.2	1121.5	1115.7	1106.7	1097.2	1081.7	1063.2	1037.8	1008.5	985.4	959.7
12.5°	1201.4	1200.2	1192.7	1183.5	1170.0	1155.3	1132.6	1101.6	1067.6	1034.1	1004.8
15°	1300.0	1302.0	1297.0	1287.5	1268.3	1242.3	1208.0	1195.2	1146.3	1110.0	1073.8
17.5°	1368.2	1367.8	1367.1	1353.8	1334.4	1315.8	1284.0	1250.2	1206.0	1154.9	1106.0
20°	1411.4	1408.2	1408.9	1394.0	1379.5	1358.1	1327.1	1277.9	1241.6	1182.6	1132.1
22.5°	1410.4	1409.7	1412.2	1407.1	1396.6	1380.2	1355.8	1314.3	1268.0	1208.4	1151.7
25°	1339.5	1337.0	1352.5	1356.7	1373.6	1376.5	1369.2	1346.5	1302.6	1241.3	1171.0
27.5°	1121.1	1119.6	1148.4	1184.4	1230.1	1265.6	1299.9	1316.4	1302.6	1258.7	1188.4
30°	920.1	951.1	965.6	1017.7	1075.7	1145.0	1205.7	1263.3	1277.6	1258.4	1200.8
32.5°	763.9	790.9	803.1	847.8	901.9	983.0	1074.0	1155.7	1213.5	1228.1	1193.3
35°	581.1	581.4	609.1	628.9	679.0	762.4	850.8	960.3	1069.1	1151.6	1160.2
37.5°	463.6	465.3	482.1	501.8	539.4	583.5	661.3	752.3	878.0	1004.6	1078.8
40°	400.4	403.3	415.9	435.3	462.4	495.7	556.4	642.0	746.9	887.8	1002.9
42.5°	359.7	364.5	371.0	386.0	402.7	433.9	483.0	549.2	644.5	777.7	910.5
45°	310.0	312.6	317.5	324.5	339.7	361.4	394.4	438.9	518.1	625.3	758.2
47.5°	273.5	272.1	277.2	282.9	293.0	307.8	329.9	366.3	422.8	508.7	621.5
50°	248.7	248.3	251.9	256.2	265.8	276.7	294.8	322.2	367.0	438.2	541.5
52.5°	225.4	226.7	229.3	234.6	241.5	250.3	266.6	286.3	324.9	386.3	472.3
55°	194.6	195.5	199.1	202.2	207.1	216.0	226.3	242.7	269.1	311.9	382.9
57.5°	168.4	168.0	171.5	172.2	177.8	185.0	193.0	205.8	224.9	256.8	304.5
60°	151.0	150.1	153.0	155.3	158.3	164.2	170.8	183.4	198.5	222.0	262.9
62.5°	135.2	134.7	136.9	139.2	141.6	147.1	152.7	162.2	174.3	194.0	226.4
65°	112.1	113.1	114.1	115.1	116.4	119.7	125.0	131.6	139.8	153.7	177.1
67.5°	88.1	89.1	89.5	91.4	94.3	96.3	99.6	105.5	111.2	122.9	136.2
70°	71.2	70.9	71.2	72.2	75.9	79.5	83.8	88.1	91.7	100.0	111.2
72.5°	61.2	60.6	61.5	61.6	63.5	64.4	67.2	71.2	75.9	81.5	89.5
75°	47.5	47.5	47.5	47.5	48.8	49.5	50.5	51.5	53.1	55.7	61.6
77.5°	35.1	35.1	35.6	35.9	36.2	36.6	37.2	38.2	38.7	40.2	42.7
80°	27.7	28.1	27.7	28.1	28.1	28.7	29.0	30.0	30.3	32.0	33.0
82.5°	20.8	20.7	20.8	21.2	21.2	21.9	21.9	22.6	22.7	23.5	24.5
85°	11.2	10.6	11.2	10.8	11.5	10.8	11.2	11.9	11.9	12.2	13.5
87.5°	6.5	6.9	6.3	6.5	6.5	6.6	6.5	6.5	6.9	6.5	6.4
90°	19.0	18.7	18.4	18.2	17.9	17.5	16.9	16.4	15.8	15.2	13.3
92.5°	21.0	20.8	20.7	20.5	20.3	19.8	18.9	18.0	17.1	16.2	14.8
95°	24.1	24.1	24.1	24.1	24.1	23.6	22.6	21.6	20.7	19.6	18.1
97.5°	26.1	26.0	25.8	25.7	25.6	24.9	23.8	22.6	21.5	20.4	30.6
100°	26.6	26.4	26.3	26.2	26.1	25.4	24.3	23.2	22.0	20.9	42.9
102.5°	27.1	26.9	26.6	26.3	26.1	27.7	31.3	34.7	38.2	41.7	65.7
105°	27.9	27.6	27.3	27.0	26.8	39.1	64.0	88.9	113.8	138.8	151.4
107.5°	87.6	106.3	125.1	143.9	162.7	181.2	199.5	217.7	236.0	254.3	252.4
110°	174.3	194.3	214.5	234.6	254.8	267.2	271.8	276.5	281.1	285.8	284.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	298.9	303.2	307.5	311.7	315.9	318.1	318.0	317.9	317.8	317.7	316.2
115°	372.6	372.0	371.4	370.8	370.3	369.3	367.9	366.5	365.1	363.7	362.4
117.5°	413.9	413.7	413.6	413.5	413.4	412.8	411.6	410.5	409.4	408.3	407.6
120°	442.2	442.2	442.2	442.2	442.2	441.7	440.6	439.5	438.3	437.1	436.8
122.5°	470.1	470.0	469.8	469.8	469.7	469.2	468.4	467.6	466.8	466.1	465.5
125°	509.4	509.1	508.9	508.6	508.2	508.0	507.7	507.4	507.1	506.9	506.3
127.5°	547.2	547.4	547.7	548.0	548.3	548.2	547.8	547.3	546.8	546.4	545.7
130°	571.4	571.8	572.0	572.3	572.7	572.5	571.9	571.4	570.8	570.2	569.6
132.5°	593.7	594.2	594.6	595.0	595.4	595.3	594.7	594.2	593.6	593.1	592.5
135°	627.8	628.3	628.7	629.1	629.6	629.6	629.1	628.7	628.3	627.8	627.3
137.5°	660.0	660.2	660.5	660.8	661.1	660.9	660.2	659.5	658.8	658.1	657.9
140°	679.2	679.5	679.8	680.0	680.4	680.2	679.6	679.1	678.5	678.0	677.5
142.5°	696.9	697.3	697.8	698.1	698.5	698.4	698.0	697.6	697.2	696.7	696.3
145°	724.2	724.2	724.2	724.2	724.2	724.0	723.8	723.5	723.2	722.9	722.6
147.5°	744.4	745.1	745.7	746.4	747.0	747.3	746.9	746.7	746.4	746.1	745.8
150°	759.7	760.1	760.5	761.0	761.4	761.4	761.1	760.9	760.6	760.3	760.0
152.5°	771.8	772.5	773.1	773.8	774.4	774.5	774.0	773.4	772.9	772.5	772.3
155°	788.8	789.6	790.5	791.3	792.2	792.3	791.5	790.8	790.1	789.5	789.3
157.5°	803.1	804.3	805.3	806.4	807.5	807.6	806.8	806.0	805.1	804.3	804.4
160°	812.3	813.2	814.2	815.2	816.2	816.2	815.5	814.6	813.7	812.9	813.0
162.5°	820.9	821.7	822.6	823.5	824.3	824.3	823.4	822.4	821.5	820.4	820.6
165°	831.2	832.2	833.2	834.2	835.2	835.1	834.0	832.8	831.7	830.6	830.8
167.5°	838.7	839.8	840.9	842.1	843.3	843.3	842.1	840.9	839.8	838.7	838.7
170°	843.3	844.4	845.5	846.7	847.8	847.8	846.7	845.5	844.4	843.3	843.3
172.5°	845.8	847.1	848.3	849.5	850.8	850.8	849.7	848.6	847.5	846.4	846.2
175°	849.6	850.8	851.9	853.0	854.1	854.2	853.3	852.2	851.3	850.2	850.2
177.5°	850.8	851.9	853.0	854.1	855.2	855.4	854.5	853.6	852.6	851.8	851.7
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	795.4	794.6	790.9	786.7	781.2	777.5	774.6	773.0	768.3	762.4	758.5
5°	844.6	834.7	824.1	811.2	799.4	787.2	779.6	770.7	759.8	747.6	739.0
7.5°	897.2	877.8	856.9	835.3	814.0	794.9	778.0	763.5	746.2	728.8	716.4
10°	937.5	909.2	879.9	849.8	822.4	796.8	777.0	757.5	736.8	716.6	701.5
12.5°	974.2	936.9	903.1	866.2	831.2	800.5	772.0	749.1	724.1	702.7	685.4
15°	1020.6	982.4	941.5	885.5	839.0	800.0	765.4	735.4	705.1	678.7	661.9
17.5°	1064.0	1006.5	951.6	904.7	844.4	795.7	753.5	717.6	684.3	656.3	635.6
20°	1082.0	1026.3	966.6	906.9	847.6	793.2	744.0	704.4	669.8	638.1	619.0
22.5°	1092.8	1029.7	966.8	902.7	839.6	783.1	734.5	691.0	653.4	623.4	599.8
25°	1105.4	1030.2	961.0	897.7	833.4	772.0	714.3	668.1	627.6	595.6	570.5
27.5°	1113.7	1025.3	943.4	873.1	807.8	746.7	693.9	644.9	603.7	569.9	543.0
30°	1115.3	1021.3	930.0	853.8	787.5	731.4	675.4	628.5	585.0	549.1	524.0
32.5°	1117.4	1011.6	911.8	830.9	763.0	707.5	656.7	611.9	567.3	531.9	506.4
35°	1108.7	1006.2	884.2	791.2	723.2	669.4	623.6	582.4	538.6	504.2	478.2
37.5°	1071.3	984.7	855.5	746.4	675.4	625.6	588.2	552.3	512.1	475.1	450.6
40°	1033.5	963.6	833.4	719.3	645.1	593.9	560.3	531.0	492.1	457.4	431.0
42.5°	977.3	934.9	812.3	690.8	610.7	561.5	533.1	505.6	471.5	436.3	411.5
45°	874.3	879.9	769.0	645.4	563.3	513.8	487.1	468.0	437.6	408.6	383.2
47.5°	744.9	797.4	718.3	597.0	513.2	466.7	443.4	426.7	406.3	377.8	354.6
50°	660.6	735.4	677.7	564.6	481.8	435.7	412.6	399.1	381.3	358.8	336.7
52.5°	582.7	663.1	628.6	528.4	447.8	405.5	383.0	371.9	357.7	336.7	316.7
55°	475.2	556.6	548.7	473.9	396.7	358.8	341.6	329.2	319.5	303.8	287.9
57.5°	384.4	461.6	465.7	413.2	351.7	314.3	299.5	290.1	283.8	271.9	257.3
60°	327.2	398.0	411.9	372.3	319.5	286.5	272.1	264.5	259.5	249.9	238.8
62.5°	279.7	340.0	355.7	327.2	288.7	257.8	246.5	239.2	235.8	227.6	217.7
65°	214.0	264.2	279.3	263.5	243.4	218.6	209.4	203.1	200.2	195.5	188.3
67.5°	160.9	197.5	214.1	202.9	195.7	180.0	174.2	170.8	168.2	165.1	158.9
70°	129.2	156.4	173.5	170.5	164.5	156.4	152.1	149.7	147.1	144.5	139.1
72.5°	103.9	122.5	138.6	140.2	135.3	133.6	129.8	128.9	127.3	124.2	121.2
75°	69.0	81.8	93.0	97.3	99.3	100.9	99.3	98.9	98.6	96.0	94.3
77.5°	45.2	52.1	59.2	66.5	69.6	71.8	72.3	73.5	72.7	71.3	70.5
80°	34.6	36.2	41.2	47.5	52.4	54.4	55.7	56.4	56.1	55.7	54.4
82.5°	25.1	26.5	28.8	33.2	37.4	40.7	41.5	41.3	42.1	42.3	41.2
85°	13.5	13.9	14.6	15.2	17.5	21.1	22.1	22.7	23.4	23.4	21.4
87.5°	6.5	5.9	6.0	5.8	6.3	6.2	7.5	8.6	9.1	8.4	8.6
90°	11.5	9.7	7.9	6.3	4.8	3.4	2.1	0.6	2.1	3.4	4.8
92.5°	13.4	12.1	10.7	10.2	10.6	11.0	11.4	11.8	11.4	11.0	10.6
95°	16.5	15.0	13.4	15.6	21.4	27.1	32.9	38.7	32.9	27.1	21.4
97.5°	40.6	50.8	61.0	67.3	69.9	72.5	75.1	77.7	75.1	72.5	69.9
100°	64.8	86.8	108.7	118.3	115.5	112.7	109.9	107.1	109.9	112.7	115.5
102.5°	89.6	113.7	137.7	148.6	146.6	144.6	142.6	140.5	142.6	144.6	146.6
105°	164.1	176.8	189.4	195.0	193.5	191.9	190.4	188.8	190.4	191.9	193.5
107.5°	250.3	248.3	246.3	244.7	243.5	242.2	241.0	239.7	241.0	242.2	243.5
110°	282.7	281.1	279.6	278.2	277.1	276.0	274.8	273.7	274.8	276.0	277.1



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.6	313.1	311.5	310.2	309.2	308.2	307.1	306.2	307.1	308.2	309.2
115°	361.1	359.9	358.6	357.6	356.7	355.9	355.0	354.1	355.0	355.9	356.7
117.5°	407.0	406.3	405.7	404.8	403.8	402.8	401.7	400.7	401.7	402.8	403.8
120°	436.4	435.9	435.5	434.6	433.3	432.1	430.8	429.6	430.8	432.1	433.3
122.5°	465.0	464.4	463.9	463.1	462.1	461.1	460.0	459.0	460.0	461.1	462.1
125°	505.8	505.1	504.6	503.8	502.7	501.5	500.4	499.3	500.4	501.5	502.7
127.5°	545.0	544.4	543.7	542.8	541.7	540.5	539.4	538.3	539.4	540.5	541.7
130°	569.1	568.5	568.0	567.1	566.0	564.9	563.8	562.6	563.8	564.9	566.0
132.5°	592.1	591.7	591.2	590.5	589.3	588.1	587.0	585.9	587.0	588.1	589.3
135°	626.7	626.2	625.6	624.9	624.1	623.2	622.4	621.6	622.4	623.2	624.1
137.5°	657.5	657.2	656.9	656.3	655.1	654.1	653.0	651.9	653.0	654.1	655.1
140°	677.1	676.7	676.2	675.6	674.8	673.9	673.0	672.2	673.0	673.9	674.8
142.5°	695.9	695.4	695.0	694.4	693.5	692.7	691.8	691.0	691.8	692.7	693.5
145°	722.4	722.0	721.8	721.2	720.1	719.2	718.2	717.2	718.2	719.2	720.1
147.5°	745.5	745.3	744.9	744.5	743.8	743.2	742.5	741.9	742.5	743.2	743.8
150°	759.7	759.5	759.1	758.8	758.4	757.9	757.5	757.2	757.5	757.9	758.4
152.5°	772.1	772.0	771.8	771.6	771.4	771.2	771.0	770.8	771.0	771.2	771.4
155°	789.2	789.0	788.8	788.9	789.2	789.5	789.8	790.1	789.8	789.5	789.2
157.5°	804.5	804.7	804.9	804.9	804.9	804.9	805.0	805.0	805.0	804.9	804.9
160°	813.1	813.3	813.5	813.6	813.7	813.9	814.0	814.2	814.0	813.9	813.7
162.5°	820.8	820.9	821.0	821.3	821.7	822.0	822.4	822.8	822.4	822.0	821.7
165°	830.9	831.0	831.2	831.5	831.9	832.3	832.8	833.2	832.8	832.3	831.9
167.5°	838.7	838.7	838.7	839.0	839.6	840.2	840.7	841.3	840.7	840.2	839.6
170°	843.3	843.3	843.3	843.6	844.1	844.7	845.2	845.8	845.2	844.7	844.1
172.5°	846.1	846.0	845.8	846.2	846.9	847.5	848.2	848.9	848.2	847.5	846.9
175°	850.0	849.8	849.7	850.0	850.7	851.4	852.0	852.8	852.0	851.4	850.7
177.5°	851.5	851.4	851.4	851.5	852.1	852.6	853.3	853.8	853.3	852.6	852.1
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	757.2	753.7	751.4	746.1	742.7	739.0	735.3	737.6	737.4	737.1	737.1
5°	731.8	724.2	717.3	708.3	702.7	695.9	690.5	689.9	691.2	686.6	684.0
7.5°	706.6	696.2	686.4	676.6	666.2	657.8	652.6	650.2	646.9	644.0	641.0
10°	688.9	676.7	667.1	655.0	643.8	633.9	627.6	623.3	621.0	618.6	614.4
12.5°	670.7	658.8	646.5	632.7	622.1	610.6	606.0	601.2	596.7	594.1	588.2
15°	644.0	628.5	615.7	601.2	589.4	578.1	571.5	562.0	560.6	557.3	551.4
17.5°	617.3	600.5	582.8	572.0	558.6	547.0	536.9	533.7	524.3	520.7	515.6
20°	596.2	580.7	567.2	553.0	533.6	522.7	514.8	510.5	502.9	498.3	495.0
22.5°	578.1	562.2	546.6	530.1	514.0	501.9	496.0	489.4	485.3	478.8	475.2
25°	552.1	534.9	516.1	498.3	486.7	477.5	468.3	462.4	456.4	453.4	446.9
27.5°	521.9	503.9	486.4	472.9	458.7	449.5	441.2	435.9	428.8	423.8	420.2
30°	505.2	484.1	469.0	456.8	438.6	430.1	423.8	417.2	411.9	406.7	402.9
32.5°	485.9	466.7	452.3	437.2	423.3	414.0	405.8	400.0	395.5	390.5	386.9
35°	455.7	439.6	424.7	409.6	399.3	389.8	380.2	375.3	371.0	366.4	363.1
37.5°	428.4	413.4	399.2	384.9	372.2	364.4	356.7	352.9	347.2	344.1	340.7
40°	411.6	396.7	381.6	367.7	354.5	348.6	341.6	336.0	330.8	328.5	324.9
42.5°	393.1	378.2	365.5	350.5	339.8	331.7	325.3	319.2	315.2	311.9	309.8
45°	365.8	352.5	340.0	325.2	315.0	308.0	300.7	295.2	291.5	289.2	285.6
47.5°	339.1	326.0	313.2	300.3	290.4	282.5	275.3	271.3	266.6	263.7	261.2
50°	319.9	308.0	294.5	282.6	272.8	264.8	258.9	253.9	249.6	246.0	244.4
52.5°	302.2	289.6	277.8	266.8	256.4	247.4	242.0	236.8	233.6	229.4	227.5
55°	273.0	260.9	251.0	240.0	229.9	222.3	215.7	211.0	207.8	203.1	200.5
57.5°	245.6	234.7	222.9	213.5	202.9	196.6	191.1	184.8	180.8	177.2	174.6
60°	227.2	214.6	204.5	195.5	186.3	178.1	173.1	168.2	163.9	160.2	158.0
62.5°	207.9	197.0	187.4	177.6	169.2	162.0	156.3	152.1	148.4	146.0	143.7
65°	178.4	169.9	160.0	152.1	144.1	138.9	134.2	130.6	127.9	126.3	124.3
67.5°	151.3	142.9	134.3	126.5	121.2	117.2	114.2	111.1	109.8	107.6	106.3
70°	133.5	125.0	117.4	111.5	106.2	103.2	101.3	98.9	97.6	95.0	93.7
72.5°	114.3	108.1	102.6	97.7	93.5	90.8	88.3	85.5	83.3	80.5	79.1
75°	90.1	84.5	80.2	76.8	74.2	70.6	67.0	64.0	63.0	62.0	61.6
77.5°	66.6	63.1	60.0	57.3	54.0	51.3	50.5	49.9	49.7	49.2	49.2
80°	52.4	49.2	46.8	43.6	41.6	41.6	41.6	40.9	41.2	41.2	41.2
82.5°	39.0	35.9	34.7	33.5	33.1	33.4	33.4	33.5	33.3	33.8	33.6
85°	20.1	20.4	21.1	20.8	21.1	21.1	21.8	21.4	21.8	21.1	21.8
87.5°	8.6	9.7	10.4	11.0	11.6	11.7	12.1	12.2	12.6	12.7	12.8
90°	6.3	7.9	9.7	11.5	13.3	15.2	15.8	16.4	16.9	17.5	17.9
92.5°	10.2	10.7	12.1	13.4	14.8	16.2	17.1	18.0	18.9	19.8	20.3
95°	15.6	13.4	15.0	16.5	18.1	19.6	20.7	21.6	22.6	23.6	24.1
97.5°	67.3	61.0	50.8	40.6	30.6	20.4	21.5	22.6	23.8	24.9	25.6
100°	118.3	108.7	86.8	64.8	42.9	20.9	22.0	23.2	24.3	25.4	26.1
102.5°	148.6	137.7	113.7	89.6	65.7	41.7	38.2	34.7	31.3	27.7	26.1
105°	195.0	189.4	176.8	164.1	151.4	138.8	113.8	88.9	64.0	39.1	26.8
107.5°	244.7	246.3	248.3	250.3	252.4	254.3	236.0	217.7	199.5	181.2	162.7
110°	278.2	279.6	281.1	282.7	284.2	285.8	281.1	276.5	271.8	267.2	254.8



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	310.2	311.5	313.1	314.6	316.2	317.7	317.8	317.9	318.0	318.1	315.9
115°	357.6	358.6	359.9	361.1	362.4	363.7	365.1	366.5	367.9	369.3	370.3
117.5°	404.8	405.7	406.3	407.0	407.6	408.3	409.4	410.5	411.6	412.8	413.4
120°	434.6	435.5	435.9	436.4	436.8	437.1	438.3	439.5	440.6	441.7	442.2
122.5°	463.1	463.9	464.4	465.0	465.5	466.1	466.8	467.6	468.4	469.2	469.7
125°	503.8	504.6	505.1	505.8	506.3	506.9	507.1	507.4	507.7	508.0	508.2
127.5°	542.8	543.7	544.4	545.0	545.7	546.4	546.8	547.3	547.8	548.2	548.3
130°	567.1	568.0	568.5	569.1	569.6	570.2	570.8	571.4	571.9	572.5	572.7
132.5°	590.5	591.2	591.7	592.1	592.5	593.1	593.6	594.2	594.7	595.3	595.4
135°	624.9	625.6	626.2	626.7	627.3	627.8	628.3	628.7	629.1	629.6	629.6
137.5°	656.3	656.9	657.2	657.5	657.9	658.1	658.8	659.5	660.2	660.9	661.1
140°	675.6	676.2	676.7	677.1	677.5	678.0	678.5	679.1	679.6	680.2	680.4
142.5°	694.4	695.0	695.4	695.9	696.3	696.7	697.2	697.6	698.0	698.4	698.5
145°	721.2	721.8	722.0	722.4	722.6	722.9	723.2	723.5	723.8	724.0	724.2
147.5°	744.5	744.9	745.3	745.5	745.8	746.1	746.4	746.7	746.9	747.3	747.0
150°	758.8	759.1	759.5	759.7	760.0	760.3	760.6	760.9	761.1	761.4	761.4
152.5°	771.6	771.8	772.0	772.1	772.3	772.5	772.9	773.4	774.0	774.5	774.4
155°	788.9	788.8	789.0	789.2	789.3	789.5	790.1	790.8	791.5	792.3	792.2
157.5°	804.9	804.9	804.7	804.5	804.4	804.3	805.1	806.0	806.8	807.6	807.5
160°	813.6	813.5	813.3	813.1	813.0	812.9	813.7	814.6	815.5	816.2	816.2
162.5°	821.3	821.0	820.9	820.8	820.6	820.4	821.5	822.4	823.4	824.3	824.3
165°	831.5	831.2	831.0	830.9	830.8	830.6	831.7	832.8	834.0	835.1	835.2
167.5°	839.0	838.7	838.7	838.7	838.7	838.7	839.8	840.9	842.1	843.3	843.3
170°	843.6	843.3	843.3	843.3	843.3	843.3	844.4	845.5	846.7	847.8	847.8
172.5°	846.2	845.8	846.0	846.1	846.2	846.4	847.5	848.6	849.7	850.8	850.8
175°	850.0	849.7	849.8	850.0	850.2	850.2	851.3	852.2	853.3	854.2	854.1
177.5°	851.5	851.4	851.4	851.5	851.7	851.8	852.6	853.6	854.5	855.4	855.2
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	733.9	733.7	733.9	732.9	733.9	733.7	733.9	737.1	737.1	737.4	737.6
5°	682.9	682.6	681.7	678.7	681.7	682.6	682.9	684.0	686.6	691.2	689.9
7.5°	638.4	638.0	635.1	635.2	635.1	638.0	638.4	641.0	644.0	646.9	650.2
10°	612.1	612.4	608.5	606.1	608.5	612.4	612.1	614.4	618.6	621.0	623.3
12.5°	586.5	585.0	581.8	579.2	581.8	585.0	586.5	588.2	594.1	596.7	601.2
15°	552.7	549.4	541.5	542.2	541.5	549.4	552.7	551.4	557.3	560.6	562.0
17.5°	512.9	510.5	510.4	505.8	510.4	510.5	512.9	515.6	520.7	524.3	533.7
20°	489.7	488.1	488.7	484.1	488.7	488.1	489.7	495.0	498.3	502.9	510.5
22.5°	471.5	469.8	467.1	465.6	467.1	469.8	471.5	475.2	478.8	485.3	489.4
25°	444.9	442.2	439.6	441.3	439.6	442.2	444.9	446.9	453.4	456.4	462.4
27.5°	418.2	416.2	413.6	413.3	413.6	416.2	418.2	420.2	423.8	428.8	435.9
30°	401.3	399.3	398.0	396.4	398.0	399.3	401.3	402.9	406.7	411.9	417.2
32.5°	384.2	383.8	381.4	381.1	381.4	383.8	384.2	386.9	390.5	395.5	400.0
35°	361.8	359.8	359.1	359.5	359.1	359.8	361.8	363.1	366.4	371.0	375.3
37.5°	340.4	337.9	336.7	335.4	336.7	337.9	340.4	340.7	344.1	347.2	352.9
40°	325.2	322.5	321.8	321.2	321.8	322.5	325.2	324.9	328.5	330.8	336.0
42.5°	308.0	306.9	306.6	305.4	306.6	306.9	308.0	309.8	311.9	315.2	319.2
45°	284.6	284.3	282.3	282.9	282.3	284.3	284.6	285.6	289.2	291.5	295.2
47.5°	259.9	258.5	257.1	258.0	257.1	258.5	259.9	261.2	263.7	266.6	271.3
50°	243.1	242.4	239.4	240.0	239.4	242.4	243.1	244.4	246.0	249.6	253.9
52.5°	226.2	223.7	222.6	222.1	222.6	223.7	226.2	227.5	229.4	233.6	236.8
55°	198.2	195.2	193.9	193.2	193.9	195.2	198.2	200.5	203.1	207.8	211.0
57.5°	170.7	170.0	168.9	169.6	168.9	170.0	170.7	174.6	177.2	180.8	184.8
60°	154.6	154.6	154.6	154.4	154.6	154.6	154.6	158.0	160.2	163.9	168.2
62.5°	142.2	141.5	141.2	141.6	141.2	141.5	142.2	143.7	146.0	148.4	152.1
65°	123.3	123.0	121.7	121.4	121.7	123.0	123.3	124.3	126.3	127.9	130.6
67.5°	105.5	104.3	103.9	103.4	103.9	104.3	105.5	106.3	107.6	109.8	111.1
70°	92.0	91.4	89.4	89.7	89.4	91.4	92.0	93.7	95.0	97.6	98.9
72.5°	77.5	76.8	76.5	75.9	76.5	76.8	77.5	79.1	80.5	83.3	85.5
75°	61.3	61.0	60.7	62.0	60.7	61.0	61.3	61.6	62.0	63.0	64.0
77.5°	49.2	49.2	49.3	48.8	49.3	49.2	49.2	49.2	49.2	49.7	49.9
80°	41.2	41.2	40.9	40.9	40.9	41.2	41.2	41.2	41.2	41.2	40.9
82.5°	33.1	33.3	33.5	33.0	33.5	33.3	33.1	33.6	33.8	33.3	33.5
85°	21.8	21.4	22.1	21.8	22.1	21.4	21.8	21.8	21.1	21.8	21.4
87.5°	13.4	12.9	13.0	13.3	13.0	12.9	13.4	12.8	12.7	12.6	12.2
90°	18.2	18.4	18.7	19.0	18.7	18.4	18.2	17.9	17.5	16.9	16.4
92.5°	20.5	20.7	20.8	21.0	20.8	20.7	20.5	20.3	19.8	18.9	18.0
95°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	23.6	22.6	21.6
97.5°	25.7	25.8	26.0	26.1	26.0	25.8	25.7	25.6	24.9	23.8	22.6
100°	26.2	26.3	26.4	26.6	26.4	26.3	26.2	26.1	25.4	24.3	23.2
102.5°	26.3	26.6	26.9	27.1	26.9	26.6	26.3	26.1	27.7	31.3	34.7
105°	27.0	27.3	27.6	27.9	27.6	27.3	27.0	26.8	39.1	64.0	88.9
107.5°	143.9	125.1	106.3	87.6	106.3	125.1	143.9	162.7	181.2	199.5	217.7
110°	234.6	214.5	194.3	174.3	194.3	214.5	234.6	254.8	267.2	271.8	276.5



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	311.7	307.5	303.2	298.9	303.2	307.5	311.7	315.9	318.1	318.0	317.9
115°	370.8	371.4	372.0	372.6	372.0	371.4	370.8	370.3	369.3	367.9	366.5
117.5°	413.5	413.6	413.7	413.9	413.7	413.6	413.5	413.4	412.8	411.6	410.5
120°	442.2	442.2	442.2	442.2	442.2	442.2	442.2	442.2	441.7	440.6	439.5
122.5°	469.8	469.8	470.0	470.1	470.0	469.8	469.8	469.7	469.2	468.4	467.6
125°	508.6	508.9	509.1	509.4	509.1	508.9	508.6	508.2	508.0	507.7	507.4
127.5°	548.0	547.7	547.4	547.2	547.4	547.7	548.0	548.3	548.2	547.8	547.3
130°	572.3	572.0	571.8	571.4	571.8	572.0	572.3	572.7	572.5	571.9	571.4
132.5°	595.0	594.6	594.2	593.7	594.2	594.6	595.0	595.4	595.3	594.7	594.2
135°	629.1	628.7	628.3	627.8	628.3	628.7	629.1	629.6	629.6	629.1	628.7
137.5°	660.8	660.5	660.2	660.0	660.2	660.5	660.8	661.1	660.9	660.2	659.5
140°	680.0	679.8	679.5	679.2	679.5	679.8	680.0	680.4	680.2	679.6	679.1
142.5°	698.1	697.8	697.3	696.9	697.3	697.8	698.1	698.5	698.4	698.0	697.6
145°	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.0	723.8	723.5
147.5°	746.4	745.7	745.1	744.4	745.1	745.7	746.4	747.0	747.3	746.9	746.7
150°	761.0	760.5	760.1	759.7	760.1	760.5	761.0	761.4	761.4	761.1	760.9
152.5°	773.8	773.1	772.5	771.8	772.5	773.1	773.8	774.4	774.5	774.0	773.4
155°	791.3	790.5	789.6	788.8	789.6	790.5	791.3	792.2	792.3	791.5	790.8
157.5°	806.4	805.3	804.3	803.1	804.3	805.3	806.4	807.5	807.6	806.8	806.0
160°	815.2	814.2	813.2	812.3	813.2	814.2	815.2	816.2	816.2	815.5	814.6
162.5°	823.5	822.6	821.7	820.9	821.7	822.6	823.5	824.3	824.3	823.4	822.4
165°	834.2	833.2	832.2	831.2	832.2	833.2	834.2	835.2	835.1	834.0	832.8
167.5°	842.1	840.9	839.8	838.7	839.8	840.9	842.1	843.3	843.3	842.1	840.9
170°	846.7	845.5	844.4	843.3	844.4	845.5	846.7	847.8	847.8	846.7	845.5
172.5°	849.5	848.3	847.1	845.8	847.1	848.3	849.5	850.8	850.8	849.7	848.6
175°	853.0	851.9	850.8	849.6	850.8	851.9	853.0	854.1	854.2	853.3	852.2
177.5°	854.1	853.0	851.9	850.8	851.9	853.0	854.1	855.2	855.4	854.5	853.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	735.3	739.0	742.7	746.1	751.4	753.7	757.2	758.5	762.4	768.3	773.0
5°	690.5	695.9	702.7	708.3	717.3	724.2	731.8	739.0	747.6	759.8	770.7
7.5°	652.6	657.8	666.2	676.6	686.4	696.2	706.6	716.4	728.8	746.2	763.5
10°	627.6	633.9	643.8	655.0	667.1	676.7	688.9	701.5	716.6	736.8	757.5
12.5°	606.0	610.6	622.1	632.7	646.5	658.8	670.7	685.4	702.7	724.1	749.1
15°	571.5	578.1	589.4	601.2	615.7	628.5	644.0	661.9	678.7	705.1	735.4
17.5°	536.9	547.0	558.6	572.0	582.8	600.5	617.3	635.6	656.3	684.3	717.6
20°	514.8	522.7	533.6	553.0	567.2	580.7	596.2	619.0	638.1	669.8	704.4
22.5°	496.0	501.9	514.0	530.1	546.6	562.2	578.1	599.8	623.4	653.4	691.0
25°	468.3	477.5	486.7	498.3	516.1	534.9	552.1	570.5	595.6	627.6	668.1
27.5°	441.2	449.5	458.7	472.9	486.4	503.9	521.9	543.0	569.9	603.7	644.9
30°	423.8	430.1	438.6	456.8	469.0	484.1	505.2	524.0	549.1	585.0	628.5
32.5°	405.8	414.0	423.3	437.2	452.3	466.7	485.9	506.4	531.9	567.3	611.9
35°	380.2	389.8	399.3	409.6	424.7	439.6	455.7	478.2	504.2	538.6	582.4
37.5°	356.7	364.4	372.2	384.9	399.2	413.4	428.4	450.6	475.1	512.1	552.3
40°	341.6	348.6	354.5	367.7	381.6	396.7	411.6	431.0	457.4	492.1	531.0
42.5°	325.3	331.7	339.8	350.5	365.5	378.2	393.1	411.5	436.3	471.5	505.6
45°	300.7	308.0	315.0	325.2	340.0	352.5	365.8	383.2	408.6	437.6	468.0
47.5°	275.3	282.5	290.4	300.3	313.2	326.0	339.1	354.6	377.8	406.3	426.7
50°	258.9	264.8	272.8	282.6	294.5	308.0	319.9	336.7	358.8	381.3	399.1
52.5°	242.0	247.4	256.4	266.8	277.8	289.6	302.2	316.7	336.7	357.7	371.9
55°	215.7	222.3	229.9	240.0	251.0	260.9	273.0	287.9	303.8	319.5	329.2
57.5°	191.1	196.6	202.9	213.5	222.9	234.7	245.6	257.3	271.9	283.8	290.1
60°	173.1	178.1	186.3	195.5	204.5	214.6	227.2	238.8	249.9	259.5	264.5
62.5°	156.3	162.0	169.2	177.6	187.4	197.0	207.9	217.7	227.6	235.8	239.2
65°	134.2	138.9	144.1	152.1	160.0	169.9	178.4	188.3	195.5	200.2	203.1
67.5°	114.2	117.2	121.2	126.5	134.3	142.9	151.3	158.9	165.1	168.2	170.8
70°	101.3	103.2	106.2	111.5	117.4	125.0	133.5	139.1	144.5	147.1	149.7
72.5°	88.3	90.8	93.5	97.7	102.6	108.1	114.3	121.2	124.2	127.3	128.9
75°	67.0	70.6	74.2	76.8	80.2	84.5	90.1	94.3	96.0	98.6	98.9
77.5°	50.5	51.3	54.0	57.3	60.0	63.1	66.6	70.5	71.3	72.7	73.5
80°	41.6	41.6	41.6	43.6	46.8	49.2	52.4	54.4	55.7	56.1	56.4
82.5°	33.4	33.4	33.1	33.5	34.7	35.9	39.0	41.2	42.3	42.1	41.3
85°	21.8	21.1	21.1	20.8	21.1	20.4	20.1	21.4	23.4	23.4	22.7
87.5°	12.1	11.7	11.6	11.0	10.4	9.7	8.6	8.6	8.4	9.1	8.6
90°	15.8	15.2	13.3	11.5	9.7	7.9	6.3	4.8	3.4	2.1	0.6
92.5°	17.1	16.2	14.8	13.4	12.1	10.7	10.2	10.6	11.0	11.4	11.8
95°	20.7	19.6	18.1	16.5	15.0	13.4	15.6	21.4	27.1	32.9	38.7
97.5°	21.5	20.4	30.6	40.6	50.8	61.0	67.3	69.9	72.5	75.1	77.7
100°	22.0	20.9	42.9	64.8	86.8	108.7	118.3	115.5	112.7	109.9	107.1
102.5°	38.2	41.7	65.7	89.6	113.7	137.7	148.6	146.6	144.6	142.6	140.5
105°	113.8	138.8	151.4	164.1	176.8	189.4	195.0	193.5	191.9	190.4	188.8
107.5°	236.0	254.3	252.4	250.3	248.3	246.3	244.7	243.5	242.2	241.0	239.7
110°	281.1	285.8	284.2	282.7	281.1	279.6	278.2	277.1	276.0	274.8	273.7



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	317.8	317.7	316.2	314.6	313.1	311.5	310.2	309.2	308.2	307.1	306.2
115°	365.1	363.7	362.4	361.1	359.9	358.6	357.6	356.7	355.9	355.0	354.1
117.5°	409.4	408.3	407.6	407.0	406.3	405.7	404.8	403.8	402.8	401.7	400.7
120°	438.3	437.1	436.8	436.4	435.9	435.5	434.6	433.3	432.1	430.8	429.6
122.5°	466.8	466.1	465.5	465.0	464.4	463.9	463.1	462.1	461.1	460.0	459.0
125°	507.1	506.9	506.3	505.8	505.1	504.6	503.8	502.7	501.5	500.4	499.3
127.5°	546.8	546.4	545.7	545.0	544.4	543.7	542.8	541.7	540.5	539.4	538.3
130°	570.8	570.2	569.6	569.1	568.5	568.0	567.1	566.0	564.9	563.8	562.6
132.5°	593.6	593.1	592.5	592.1	591.7	591.2	590.5	589.3	588.1	587.0	585.9
135°	628.3	627.8	627.3	626.7	626.2	625.6	624.9	624.1	623.2	622.4	621.6
137.5°	658.8	658.1	657.9	657.5	657.2	656.9	656.3	655.1	654.1	653.0	651.9
140°	678.5	678.0	677.5	677.1	676.7	676.2	675.6	674.8	673.9	673.0	672.2
142.5°	697.2	696.7	696.3	695.9	695.4	695.0	694.4	693.5	692.7	691.8	691.0
145°	723.2	722.9	722.6	722.4	722.0	721.8	721.2	720.1	719.2	718.2	717.2
147.5°	746.4	746.1	745.8	745.5	745.3	744.9	744.5	743.8	743.2	742.5	741.9
150°	760.6	760.3	760.0	759.7	759.5	759.1	758.8	758.4	757.9	757.5	757.2
152.5°	772.9	772.5	772.3	772.1	772.0	771.8	771.6	771.4	771.2	771.0	770.8
155°	790.1	789.5	789.3	789.2	789.0	788.8	788.9	789.2	789.5	789.8	790.1
157.5°	805.1	804.3	804.4	804.5	804.7	804.9	804.9	804.9	804.9	805.0	805.0
160°	813.7	812.9	813.0	813.1	813.3	813.5	813.6	813.7	813.9	814.0	814.2
162.5°	821.5	820.4	820.6	820.8	820.9	821.0	821.3	821.7	822.0	822.4	822.8
165°	831.7	830.6	830.8	830.9	831.0	831.2	831.5	831.9	832.3	832.8	833.2
167.5°	839.8	838.7	838.7	838.7	838.7	838.7	839.0	839.6	840.2	840.7	841.3
170°	844.4	843.3	843.3	843.3	843.3	843.3	843.6	844.1	844.7	845.2	845.8
172.5°	847.5	846.4	846.2	846.1	846.0	845.8	846.2	846.9	847.5	848.2	848.9
175°	851.3	850.2	850.2	850.0	849.8	849.7	850.0	850.7	851.4	852.0	852.8
177.5°	852.6	851.8	851.7	851.5	851.4	851.4	851.5	852.1	852.6	853.3	853.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	774.6	777.5	781.2	786.7	790.9	794.6	795.4	796.5	799.1	803.6	807.0
5°	779.6	787.2	799.4	811.2	824.1	834.7	844.6	851.5	858.1	871.9	883.1
7.5°	778.0	794.9	814.0	835.3	856.9	877.8	897.2	914.6	931.9	952.0	975.0
10°	777.0	796.8	822.4	849.8	879.9	909.2	937.5	959.7	985.4	1008.5	1037.8
12.5°	772.0	800.5	831.2	866.2	903.1	936.9	974.2	1004.8	1034.1	1067.6	1101.6
15°	765.4	800.0	839.0	885.5	941.5	982.4	1020.6	1073.8	1110.0	1146.3	1195.2
17.5°	753.5	795.7	844.4	904.7	951.6	1006.5	1064.0	1106.0	1154.9	1206.0	1250.2
20°	744.0	793.2	847.6	906.9	966.6	1026.3	1082.0	1132.1	1182.6	1241.6	1277.9
22.5°	734.5	783.1	839.6	902.7	966.8	1029.7	1092.8	1151.7	1208.4	1268.0	1314.3
25°	714.3	772.0	833.4	897.7	961.0	1030.2	1105.4	1171.0	1241.3	1302.6	1346.5
27.5°	693.9	746.7	807.8	873.1	943.4	1025.3	1113.7	1188.4	1258.7	1302.6	1316.4
30°	675.4	731.4	787.5	853.8	930.0	1021.3	1115.3	1200.8	1258.4	1277.6	1263.3
32.5°	656.7	707.5	763.0	830.9	911.8	1011.6	1117.4	1193.3	1228.1	1213.5	1155.7
35°	623.6	669.4	723.2	791.2	884.2	1006.2	1108.7	1160.2	1151.6	1069.1	960.3
37.5°	588.2	625.6	675.4	746.4	855.5	984.7	1071.3	1078.8	1004.6	878.0	752.3
40°	560.3	593.9	645.1	719.3	833.4	963.6	1033.5	1002.9	887.8	746.9	642.0
42.5°	533.1	561.5	610.7	690.8	812.3	934.9	977.3	910.5	777.7	644.5	549.2
45°	487.1	513.8	563.3	645.4	769.0	879.9	874.3	758.2	625.3	518.1	438.9
47.5°	443.4	466.7	513.2	597.0	718.3	797.4	744.9	621.5	508.7	422.8	366.3
50°	412.6	435.7	481.8	564.6	677.7	735.4	660.6	541.5	438.2	367.0	322.2
52.5°	383.0	405.5	447.8	528.4	628.6	663.1	582.7	472.3	386.3	324.9	286.3
55°	341.6	358.8	396.7	473.9	548.7	556.6	475.2	382.9	311.9	269.1	242.7
57.5°	299.5	314.3	351.7	413.2	465.7	461.6	384.4	304.5	256.8	224.9	205.8
60°	272.1	286.5	319.5	372.3	411.9	398.0	327.2	262.9	222.0	198.5	183.4
62.5°	246.5	257.8	288.7	327.2	355.7	340.0	279.7	226.4	194.0	174.3	162.2
65°	209.4	218.6	243.4	263.5	279.3	264.2	214.0	177.1	153.7	139.8	131.6
67.5°	174.2	180.0	195.7	202.9	214.1	197.5	160.9	136.2	122.9	111.2	105.5
70°	152.1	156.4	164.5	170.5	173.5	156.4	129.2	111.2	100.0	91.7	88.1
72.5°	129.8	133.6	135.3	140.2	138.6	122.5	103.9	89.5	81.5	75.9	71.2
75°	99.3	100.9	99.3	97.3	93.0	81.8	69.0	61.6	55.7	53.1	51.5
77.5°	72.3	71.8	69.6	66.5	59.2	52.1	45.2	42.7	40.2	38.7	38.2
80°	55.7	54.4	52.4	47.5	41.2	36.2	34.6	33.0	32.0	30.3	30.0
82.5°	41.5	40.7	37.4	33.2	28.8	26.5	25.1	24.5	23.5	22.7	22.6
85°	22.1	21.1	17.5	15.2	14.6	13.9	13.5	13.5	12.2	11.9	11.9
87.5°	7.5	6.2	6.3	5.8	6.0	5.9	6.5	6.4	6.5	6.9	6.5
90°	2.1	3.4	4.8	6.3	7.9	9.7	11.5	13.3	15.2	15.8	16.4
92.5°	11.4	11.0	10.6	10.2	10.7	12.1	13.4	14.8	16.2	17.1	18.0
95°	32.9	27.1	21.4	15.6	13.4	15.0	16.5	18.1	19.6	20.7	21.6
97.5°	75.1	72.5	69.9	67.3	61.0	50.8	40.6	30.6	20.4	21.5	22.6
100°	109.9	112.7	115.5	118.3	108.7	86.8	64.8	42.9	20.9	22.0	23.2
102.5°	142.6	144.6	146.6	148.6	137.7	113.7	89.6	65.7	41.7	38.2	34.7
105°	190.4	191.9	193.5	195.0	189.4	176.8	164.1	151.4	138.8	113.8	88.9
107.5°	241.0	242.2	243.5	244.7	246.3	248.3	250.3	252.4	254.3	236.0	217.7
110°	274.8	276.0	277.1	278.2	279.6	281.1	282.7	284.2	285.8	281.1	276.5



TEST NUMBER: P332414-935

CATALOG NUMBER: S123RDIW-S560D755U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	307.1	308.2	309.2	310.2	311.5	313.1	314.6	316.2	317.7	317.8	317.9
115°	355.0	355.9	356.7	357.6	358.6	359.9	361.1	362.4	363.7	365.1	366.5
117.5°	401.7	402.8	403.8	404.8	405.7	406.3	407.0	407.6	408.3	409.4	410.5
120°	430.8	432.1	433.3	434.6	435.5	435.9	436.4	436.8	437.1	438.3	439.5
122.5°	460.0	461.1	462.1	463.1	463.9	464.4	465.0	465.5	466.1	466.8	467.6
125°	500.4	501.5	502.7	503.8	504.6	505.1	505.8	506.3	506.9	507.1	507.4
127.5°	539.4	540.5	541.7	542.8	543.7	544.4	545.0	545.7	546.4	546.8	547.3
130°	563.8	564.9	566.0	567.1	568.0	568.5	569.1	569.6	570.2	570.8	571.4
132.5°	587.0	588.1	589.3	590.5	591.2	591.7	592.1	592.5	593.1	593.6	594.2
135°	622.4	623.2	624.1	624.9	625.6	626.2	626.7	627.3	627.8	628.3	628.7
137.5°	653.0	654.1	655.1	656.3	656.9	657.2	657.5	657.9	658.1	658.8	659.5
140°	673.0	673.9	674.8	675.6	676.2	676.7	677.1	677.5	678.0	678.5	679.1
142.5°	691.8	692.7	693.5	694.4	695.0	695.4	695.9	696.3	696.7	697.2	697.6
145°	718.2	719.2	720.1	721.2	721.8	722.0	722.4	722.6	722.9	723.2	723.5
147.5°	742.5	743.2	743.8	744.5	744.9	745.3	745.5	745.8	746.1	746.4	746.7
150°	757.5	757.9	758.4	758.8	759.1	759.5	759.7	760.0	760.3	760.6	760.9
152.5°	771.0	771.2	771.4	771.6	771.8	772.0	772.1	772.3	772.5	772.9	773.4
155°	789.8	789.5	789.2	788.9	788.8	789.0	789.2	789.3	789.5	790.1	790.8
157.5°	805.0	804.9	804.9	804.9	804.9	804.7	804.5	804.4	804.3	805.1	806.0
160°	814.0	813.9	813.7	813.6	813.5	813.3	813.1	813.0	812.9	813.7	814.6
162.5°	822.4	822.0	821.7	821.3	821.0	820.9	820.8	820.6	820.4	821.5	822.4
165°	832.8	832.3	831.9	831.5	831.2	831.0	830.9	830.8	830.6	831.7	832.8
167.5°	840.7	840.2	839.6	839.0	838.7	838.7	838.7	838.7	838.7	839.8	840.9
170°	845.2	844.7	844.1	843.6	843.3	843.3	843.3	843.3	843.3	844.4	845.5
172.5°	848.2	847.5	846.9	846.2	845.8	846.0	846.1	846.2	846.4	847.5	848.6
175°	852.0	851.4	850.7	850.0	849.7	849.8	850.0	850.2	850.2	851.3	852.2
177.5°	853.3	852.6	852.1	851.5	851.4	851.4	851.5	851.7	851.8	852.6	853.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	812.6	812.6	813.6	817.6	818.1	821.6	820.4
5°	893.0	899.3	901.6	911.5	917.5	920.1	914.8
7.5°	991.4	1009.1	1017.5	1027.9	1037.0	1039.8	1032.6
10°	1063.2	1081.7	1097.2	1106.7	1115.7	1121.5	1129.2
12.5°	1132.6	1155.3	1170.0	1183.5	1192.7	1200.2	1201.4
15°	1208.0	1242.3	1268.3	1287.5	1297.0	1302.0	1300.0
17.5°	1284.0	1315.8	1334.4	1353.8	1367.1	1367.8	1368.2
20°	1327.1	1358.1	1379.5	1394.0	1408.9	1408.2	1411.4
22.5°	1355.8	1380.2	1396.6	1407.1	1412.2	1409.7	1410.4
25°	1369.2	1376.5	1373.6	1356.7	1352.5	1337.0	1339.5
27.5°	1299.9	1265.6	1230.1	1184.4	1148.4	1119.6	1121.1
30°	1205.7	1145.0	1075.7	1017.7	965.6	951.1	920.1
32.5°	1074.0	983.0	901.9	847.8	803.1	790.9	763.9
35°	850.8	762.4	679.0	628.9	609.1	581.4	581.1
37.5°	661.3	583.5	539.4	501.8	482.1	465.3	463.6
40°	556.4	495.7	462.4	435.3	415.9	403.3	400.4
42.5°	483.0	433.9	402.7	386.0	371.0	364.5	359.7
45°	394.4	361.4	339.7	324.5	317.5	312.6	310.0
47.5°	329.9	307.8	293.0	282.9	277.2	272.1	273.5
50°	294.8	276.7	265.8	256.2	251.9	248.3	248.7
52.5°	266.6	250.3	241.5	234.6	229.3	226.7	225.4
55°	226.3	216.0	207.1	202.2	199.1	195.5	194.6
57.5°	193.0	185.0	177.8	172.2	171.5	168.0	168.4
60°	170.8	164.2	158.3	155.3	153.0	150.1	151.0
62.5°	152.7	147.1	141.6	139.2	136.9	134.7	135.2
65°	125.0	119.7	116.4	115.1	114.1	113.1	112.1
67.5°	99.6	96.3	94.3	91.4	89.5	89.1	88.1
70°	83.8	79.5	75.9	72.2	71.2	70.9	71.2
72.5°	67.2	64.4	63.5	61.6	61.5	60.6	61.2
75°	50.5	49.5	48.8	47.5	47.5	47.5	47.5
77.5°	37.2	36.6	36.2	35.9	35.6	35.1	35.1
80°	29.0	28.7	28.1	28.1	27.7	28.1	27.7
82.5°	21.9	21.9	21.2	21.2	20.8	20.7	20.8
85°	11.2	10.8	11.5	10.8	11.2	10.6	11.2
87.5°	6.5	6.6	6.5	6.5	6.3	6.9	6.5
90°	16.9	17.5	17.9	18.2	18.4	18.7	19.0
92.5°	18.9	19.8	20.3	20.5	20.7	20.8	21.0
95°	22.6	23.6	24.1	24.1	24.1	24.1	24.1
97.5°	23.8	24.9	25.6	25.7	25.8	26.0	26.1
100°	24.3	25.4	26.1	26.2	26.3	26.4	26.6
102.5°	31.3	27.7	26.1	26.3	26.6	26.9	27.1
105°	64.0	39.1	26.8	27.0	27.3	27.6	27.9
107.5°	199.5	181.2	162.7	143.9	125.1	106.3	87.6
110°	271.8	267.2	254.8	234.6	214.5	194.3	174.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	318.0	318.1	315.9	311.7	307.5	303.2	298.9
115°	367.9	369.3	370.3	370.8	371.4	372.0	372.6
117.5°	411.6	412.8	413.4	413.5	413.6	413.7	413.9
120°	440.6	441.7	442.2	442.2	442.2	442.2	442.2
122.5°	468.4	469.2	469.7	469.8	469.8	470.0	470.1
125°	507.7	508.0	508.2	508.6	508.9	509.1	509.4
127.5°	547.8	548.2	548.3	548.0	547.7	547.4	547.2
130°	571.9	572.5	572.7	572.3	572.0	571.8	571.4
132.5°	594.7	595.3	595.4	595.0	594.6	594.2	593.7
135°	629.1	629.6	629.6	629.1	628.7	628.3	627.8
137.5°	660.2	660.9	661.1	660.8	660.5	660.2	660.0
140°	679.6	680.2	680.4	680.0	679.8	679.5	679.2
142.5°	698.0	698.4	698.5	698.1	697.8	697.3	696.9
145°	723.8	724.0	724.2	724.2	724.2	724.2	724.2
147.5°	746.9	747.3	747.0	746.4	745.7	745.1	744.4
150°	761.1	761.4	761.4	761.0	760.5	760.1	759.7
152.5°	774.0	774.5	774.4	773.8	773.1	772.5	771.8
155°	791.5	792.3	792.2	791.3	790.5	789.6	788.8
157.5°	806.8	807.6	807.5	806.4	805.3	804.3	803.1
160°	815.5	816.2	816.2	815.2	814.2	813.2	812.3
162.5°	823.4	824.3	824.3	823.5	822.6	821.7	820.9
165°	834.0	835.1	835.2	834.2	833.2	832.2	831.2
167.5°	842.1	843.3	843.3	842.1	840.9	839.8	838.7
170°	846.7	847.8	847.8	846.7	845.5	844.4	843.3
172.5°	849.7	850.8	850.8	849.5	848.3	847.1	845.8
175°	853.3	854.2	854.1	853.0	851.9	850.8	849.6
177.5°	854.5	855.4	855.2	854.1	853.0	851.9	850.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8

(END OF REPORT)