

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: P332127-935

Luminaire Tested: **S123DIW-S560D755U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332127-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIW-S560D755U935-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

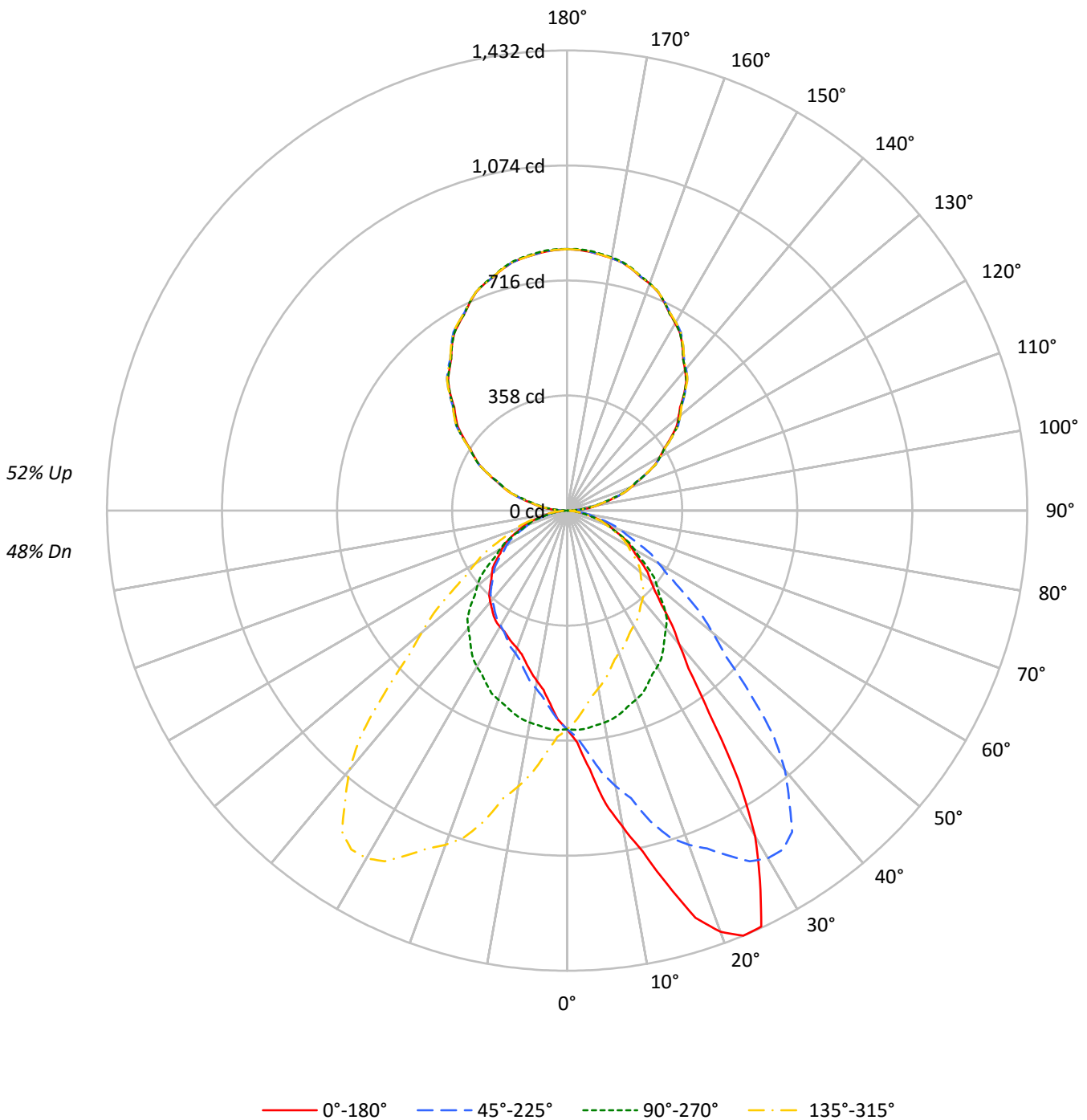
Lumens per Lamp: N/A  
Luminaire Lumens: 4310.7 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 37.6  
Input Voltage (V): 120  
Input Current (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	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48				48
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46				41	
2	89	82	76	71	82	75	70	66	64	60	57	53	50	48	43	41	39				34	
3	81	72	65	59	75	67	60	55	56	52	48	47	43	41	38	36	34				29	
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29				25	
5	68	57	49	43	63	53	46	40	45	40	35	38	34	30	31	28	25				22	
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	22				20	
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	22	20				17	
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18				16	
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	18	16				14	
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15				13	

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

	0°	90°	180°	270°
0°	7326	7326	7326	7326
5°	8737	7358	6521	7358
10°	10935	7321	5889	7321
15°	13412	7261	5483	7261
20°	15978	7170	5220	7170
25°	16966	7058	5162	7058
30°	14542	6976	5189	6976
35°	10113	6859	5243	6859
40°	7617	6724	5227	6724
45°	6325	6520	5160	6520
50°	5667	6107	5114	6107
55°	5296	5662	5050	5662
60°	4969	5197	4997	5197
65°	4669	4737	4837	4737
70°	4378	4214	4607	4214
75°	3922	3689	4225	3689
80°	3434	3025	3639	3025
85°	2692	2198	2445	2198



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.0	1.6
10°-20°	215.0	5.0
20°-30°	360.8	8.4
30°-40°	408.6	9.5
40°-50°	366.4	8.5
50°-60°	295.7	6.9
60°-70°	206.0	4.8
70°-80°	108.3	2.5
80°-90°	28.9	0.7
90°-100°	53.0	1.2
100°-110°	158.6	3.7
110°-120°	269.8	6.3
120°-130°	354.9	8.2
130°-140°	398.9	9.3
140°-150°	392.1	9.1
150°-160°	330.1	7.7
160°-170°	219.7	5.1
170°-180°	76.9	1.8
0°-30°	642.9	14.9
0°-40°	1051.4	24.4
0°-60°	1713.5	39.7
0°-90°	2056.7	47.7
90°-120°	481.4	11.2
90°-150°	1627.3	37.7
90°-180°	2254.0	52.3
0°-180°	4310.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	681	681	681	681	681	
5°	809	681	604	681	809	84
15°	1204	652	492	652	1204	348
25°	1428	594	435	594	1428	626
35°	770	522	399	522	770	500
45°	416	428	339	428	416	329
55°	282	302	269	302	282	253
65°	183	186	190	186	183	183
75°	94	89	102	89	94	101
85°	22	18	20	18	22	26
90°	19	1	19	1	19	10
95°	50	38	50	38	50	51
105°	152	144	152	144	152	161
115°	272	272	272	272	272	270
125°	393	398	393	398	393	351
135°	515	516	515	516	515	396
145°	626	626	626	626	626	391
155°	715	716	715	716	715	329
165°	778	780	778	780	778	219
175°	808	812	808	812	808	77
180°	814	814	814	814	814	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	722.3	721.8	720.5	721.5	719.4	716.5	716.3	713.6	705.9	705.4	703.4
5°	808.6	805.9	805.6	805.3	800.6	794.4	782.5	781.5	765.7	757.8	748.2
7.5°	920.3	921.7	916.9	912.7	898.5	889.2	876.5	860.2	840.8	821.0	807.9
10°	1000.5	1011.3	997.8	988.6	980.1	963.9	945.1	921.7	898.3	870.9	850.2
12.5°	1086.5	1091.8	1089.2	1080.4	1067.1	1042.5	1009.2	983.4	961.8	916.3	897.9
15°	1203.6	1223.7	1210.9	1181.2	1181.9	1158.5	1114.9	1067.1	1041.7	1001.8	947.4
17.5°	1328.4	1330.9	1325.4	1300.7	1284.2	1252.1	1211.9	1166.1	1114.6	1066.3	1008.6
20°	1394.9	1392.9	1381.4	1368.5	1340.1	1315.1	1271.2	1220.1	1154.2	1106.6	1043.7
22.5°	1431.8	1428.5	1423.1	1412.3	1388.7	1361.8	1322.4	1266.5	1203.8	1138.3	1065.6
25°	1428.5	1432.8	1433.5	1430.5	1422.3	1406.1	1375.1	1330.6	1267.9	1183.9	1108.0
27.5°	1299.2	1305.3	1322.9	1338.6	1356.1	1373.8	1371.5	1349.4	1303.0	1230.4	1137.6
30°	1170.0	1156.8	1189.5	1230.6	1258.7	1308.1	1335.8	1337.5	1311.5	1249.1	1158.7
32.5°	990.6	1005.1	1019.5	1070.2	1131.5	1187.1	1242.2	1286.6	1291.7	1250.2	1171.1
35°	769.6	787.8	814.2	840.6	906.5	963.2	1060.1	1144.6	1211.9	1220.7	1172.3
37.5°	620.2	629.2	645.8	672.3	715.4	782.7	857.7	964.4	1061.9	1134.4	1137.6
40°	542.1	544.8	563.5	583.7	618.6	674.0	741.7	835.9	952.7	1054.0	1096.1
42.5°	483.5	489.4	497.3	516.7	544.5	586.2	649.0	727.0	834.0	950.5	1033.0
45°	415.5	422.1	427.1	439.9	459.7	487.7	531.6	602.8	684.2	804.6	915.8
47.5°	370.5	371.0	374.7	384.4	397.9	419.0	450.0	495.7	570.5	668.0	782.2
50°	338.4	343.6	344.9	352.5	363.1	378.6	404.3	443.2	504.5	590.3	695.2
52.5°	315.6	317.2	320.9	326.4	335.6	347.7	370.0	400.5	448.6	521.7	618.1
55°	282.2	282.2	285.9	290.2	295.5	306.3	321.2	343.6	380.2	437.0	516.8
57.5°	251.4	253.0	255.6	256.9	261.4	268.6	281.0	298.1	325.4	369.0	432.5
60°	230.8	233.8	233.5	236.1	240.0	245.6	256.2	270.1	294.5	329.4	382.9
62.5°	212.9	212.7	212.7	215.8	219.7	225.1	232.0	243.9	264.7	295.7	341.1
65°	183.3	182.7	185.0	187.0	188.3	192.3	197.5	208.1	222.0	245.0	280.3
67.5°	157.1	155.2	156.4	157.1	159.4	162.5	167.4	173.9	184.9	203.5	230.1
70°	139.1	137.5	137.2	137.8	139.8	142.2	145.8	152.1	162.2	177.1	196.6
72.5°	120.7	119.6	119.5	121.0	121.9	123.4	126.0	131.7	139.8	150.9	169.1
75°	94.3	94.3	94.3	94.6	95.7	96.9	98.9	101.9	108.1	116.1	128.3
77.5°	70.7	70.6	70.3	70.2	71.6	72.2	72.7	75.4	79.0	84.3	93.2
80°	55.4	53.7	54.4	55.4	56.1	56.4	57.3	58.0	61.0	64.0	70.3
82.5°	41.2	39.8	39.9	41.4	41.6	41.8	42.9	43.8	44.9	47.6	51.0
85°	21.8	21.8	22.1	22.1	22.4	22.1	23.1	23.4	23.4	25.1	27.0
87.5°	11.7	11.2	11.4	11.5	11.3	11.5	11.6	11.7	11.9	12.1	12.0
90°	19.2	18.9	18.6	18.3	18.0	17.7	17.0	16.4	15.9	15.3	13.5
92.5°	25.8	26.0	26.2	26.3	26.5	26.3	25.9	25.5	25.0	24.5	23.5
95°	49.9	49.9	49.9	49.9	49.9	49.6	49.0	48.4	47.9	47.3	46.1
97.5°	76.7	76.7	76.8	76.9	76.9	76.6	75.9	75.3	74.6	74.0	73.2
100°	97.1	96.9	96.6	96.3	96.0	95.7	95.2	94.8	94.4	93.9	93.2
102.5°	118.1	118.1	118.2	118.3	118.3	118.1	117.7	117.3	116.8	116.4	115.5
105°	152.1	151.8	151.5	151.3	150.9	150.8	150.8	150.8	150.8	150.8	149.6
107.5°	187.5	187.7	187.9	188.0	188.2	188.0	187.6	187.1	186.7	186.2	185.7
110°	211.5	211.8	212.1	212.4	212.7	212.5	212.0	211.4	210.9	210.3	210.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	237.1	237.1	237.2	237.3	237.3	237.0	236.3	235.7	235.0	234.3	234.2
115°	272.2	272.4	272.5	272.7	272.9	272.9	272.7	272.5	272.4	272.2	272.5
117.5°	307.9	308.3	308.7	309.1	309.5	309.7	309.7	309.8	309.8	309.8	310.2
120°	332.9	333.2	333.6	333.8	334.1	334.3	334.4	334.6	334.8	334.8	335.6
122.5°	357.0	357.4	357.7	358.2	358.6	359.0	359.3	359.7	360.1	360.4	360.8
125°	393.0	393.6	394.2	394.8	395.3	395.9	396.4	397.0	397.6	398.1	398.4
127.5°	429.0	429.6	430.2	430.9	431.5	432.3	433.1	433.9	434.6	435.5	435.8
130°	452.5	453.5	454.4	455.5	456.4	457.2	457.8	458.4	458.9	459.5	459.9
132.5°	477.0	477.8	478.5	479.3	480.1	480.8	481.5	482.2	482.8	483.5	483.8
135°	515.1	515.4	515.7	515.9	516.3	516.7	517.2	517.8	518.3	518.9	519.1
137.5°	548.7	549.2	549.7	550.4	550.9	551.5	552.0	552.6	553.2	553.8	553.5
140°	570.7	571.7	572.7	573.7	574.6	575.2	575.4	575.5	575.7	575.8	575.7
142.5°	593.1	593.9	594.7	595.5	596.2	596.7	596.8	597.0	597.1	597.3	597.0
145°	625.7	626.2	626.8	627.3	627.9	628.3	628.4	628.5	628.7	628.9	628.4
147.5°	654.5	655.4	656.3	657.1	658.0	658.4	658.4	658.4	658.4	658.4	658.0
150°	673.0	673.8	674.7	675.5	676.3	676.7	676.7	676.7	676.7	676.7	676.5
152.5°	690.9	691.6	692.3	693.0	693.8	694.1	693.8	693.6	693.4	693.1	692.9
155°	715.1	716.1	717.1	718.1	719.1	719.3	718.8	718.2	717.6	717.0	716.9
157.5°	737.2	738.0	738.8	739.6	740.4	740.5	739.9	739.3	738.7	738.1	738.0
160°	751.6	752.1	752.7	753.3	753.8	753.7	753.0	752.3	751.7	750.9	750.9
162.5°	762.2	763.2	764.1	765.0	765.9	766.0	765.3	764.6	763.9	763.2	763.1
165°	777.7	778.8	779.7	780.8	781.7	781.8	780.9	780.1	779.2	778.3	778.3
167.5°	790.9	791.8	792.6	793.6	794.4	794.4	793.6	792.6	791.8	790.9	790.8
170°	797.5	798.6	799.5	800.6	801.5	801.5	800.6	799.5	798.6	797.5	797.5
172.5°	802.7	803.7	804.7	805.6	806.7	806.7	805.8	804.9	804.1	803.1	803.1
175°	808.4	809.4	810.4	811.4	812.4	812.4	811.6	810.8	809.9	809.1	809.1
177.5°	811.5	812.3	813.0	813.9	814.7	814.8	814.1	813.4	812.7	812.0	812.0
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	701.7	699.6	697.5	693.8	690.6	686.1	684.8	683.3	678.6	674.2	671.1
5°	744.6	736.7	725.1	714.5	706.0	694.5	687.9	681.0	671.1	662.2	654.9
7.5°	789.5	773.9	756.0	736.6	718.5	701.0	687.0	674.5	660.6	647.5	637.3
10°	825.1	802.6	777.6	750.5	727.5	705.0	686.2	669.8	651.9	636.5	623.5
12.5°	865.6	832.4	797.9	765.0	737.7	706.6	683.9	662.9	642.7	624.1	609.6
15°	913.8	871.6	830.7	785.5	743.9	705.0	678.0	651.6	628.2	609.1	590.6
17.5°	957.5	909.7	855.8	800.9	750.8	704.6	666.8	637.0	607.7	584.3	565.8
20°	982.3	927.9	866.9	809.9	754.5	703.0	661.5	625.9	594.3	569.5	548.7
22.5°	1003.8	940.0	876.9	816.0	754.2	698.8	651.8	615.1	580.7	556.6	534.5
25°	1025.9	949.7	886.4	814.9	745.9	688.5	635.8	594.3	559.9	531.6	508.9
27.5°	1044.9	949.1	873.9	796.9	732.9	675.4	619.1	574.5	538.0	507.2	484.1
30°	1057.6	950.4	861.0	784.8	720.2	660.8	606.1	561.3	523.0	491.6	469.9
32.5°	1065.5	949.6	849.1	767.9	700.2	647.6	592.1	545.7	506.4	475.6	454.6
35°	1070.1	943.7	828.7	733.1	667.8	616.6	570.2	522.0	480.8	452.1	428.3
37.5°	1060.8	931.6	804.9	699.4	627.9	577.6	538.5	497.5	458.1	426.5	406.0
40°	1046.3	923.7	786.4	675.7	600.5	552.0	518.8	478.5	439.5	409.6	390.5
42.5°	1018.6	907.6	766.2	649.3	572.0	523.5	492.8	459.3	422.4	394.3	375.1
45°	951.1	872.5	735.7	609.8	529.9	479.8	452.8	428.3	395.0	367.6	351.2
47.5°	857.2	819.8	691.6	568.0	486.0	437.8	409.7	390.0	365.7	343.6	327.8
50°	792.1	776.6	661.9	539.5	456.7	409.6	382.5	364.7	347.2	325.1	310.6
52.5°	716.9	726.4	627.0	510.0	426.9	380.6	355.1	341.0	325.1	306.9	294.3
55°	611.1	645.7	566.9	460.4	382.5	338.4	314.3	301.7	292.5	279.0	268.1
57.5°	512.0	555.9	501.8	409.2	338.9	300.8	277.8	264.1	258.1	251.1	242.5
60°	453.1	496.6	455.4	375.0	309.6	273.4	253.0	241.4	235.5	230.5	223.3
62.5°	400.6	444.6	410.0	340.1	280.9	247.3	229.5	218.2	213.5	210.9	204.7
65°	328.5	366.4	343.3	285.9	239.7	210.1	193.9	186.0	181.7	180.7	176.8
67.5°	267.3	296.2	279.4	237.1	200.8	175.1	161.4	154.7	151.4	151.1	148.1
70°	227.2	254.3	241.4	203.1	171.8	151.7	139.8	133.9	131.9	131.6	129.9
72.5°	196.0	214.9	204.7	172.8	148.6	130.4	121.6	115.4	113.1	113.7	112.5
75°	145.1	159.3	153.3	131.2	111.8	99.9	92.6	88.7	86.7	87.7	86.4
77.5°	104.4	113.4	108.1	92.7	80.8	72.2	66.8	64.4	62.6	62.5	61.9
80°	78.8	84.1	81.1	71.9	62.0	54.8	50.5	48.8	47.8	47.5	47.2
82.5°	56.1	60.6	57.1	50.8	44.1	39.7	37.3	35.1	34.4	34.5	34.3
85°	28.3	30.0	28.7	24.7	22.1	20.1	18.8	17.8	17.1	17.5	16.8
87.5°	12.1	12.0	10.8	9.5	8.6	7.6	7.2	6.5	6.2	6.5	6.5
90°	11.6	9.8	7.9	6.3	4.9	3.4	2.1	0.6	2.1	3.4	4.9
92.5°	22.5	21.4	20.3	19.3	18.3	17.4	16.4	15.5	16.4	17.4	18.3
95°	45.0	43.9	42.7	41.7	40.7	39.7	38.7	37.7	38.7	39.7	40.7
97.5°	72.3	71.5	70.7	69.9	69.2	68.4	67.7	67.0	67.7	68.4	69.2
100°	92.6	91.8	91.1	90.3	89.5	88.6	87.7	86.9	87.7	88.6	89.5
102.5°	114.6	113.7	112.7	111.9	111.4	111.0	110.5	109.9	110.5	111.0	111.4
105°	148.3	147.0	145.7	144.9	144.6	144.4	144.0	143.8	144.0	144.4	144.6
107.5°	185.2	184.7	184.2	183.8	183.7	183.5	183.3	183.1	183.3	183.5	183.7
110°	209.7	209.4	209.1	208.8	208.5	208.3	208.0	207.7	208.0	208.3	208.5





TEST NUMBER: P332127-935

CATALOG NUMBER: S123DIW-S560D755U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	234.2	234.1	234.0	233.9	233.8	233.6	233.4	233.2	233.4	233.6	233.8
115°	272.9	273.1	273.4	273.3	272.9	272.4	272.0	271.6	272.0	272.4	272.9
117.5°	310.6	310.9	311.3	311.3	311.1	310.7	310.5	310.2	310.5	310.7	311.1
120°	336.3	337.0	337.7	337.7	336.8	336.0	335.1	334.2	335.1	336.0	336.8
122.5°	361.2	361.5	361.9	361.8	361.2	360.5	359.9	359.3	359.9	360.5	361.2
125°	398.7	399.0	399.2	399.2	398.8	398.4	398.0	397.5	398.0	398.4	398.8
127.5°	436.1	436.4	436.7	436.4	435.5	434.6	433.7	432.7	433.7	434.6	435.5
130°	460.4	460.8	461.2	460.8	459.7	458.6	457.4	456.3	457.4	458.6	459.7
132.5°	484.1	484.5	484.7	484.4	483.2	482.1	481.0	479.8	481.0	482.1	483.2
135°	519.2	519.4	519.5	519.1	518.3	517.5	516.6	515.7	516.6	517.5	518.3
137.5°	553.1	552.7	552.3	551.8	551.1	550.4	549.7	549.0	549.7	550.4	551.1
140°	575.5	575.4	575.2	574.8	574.1	573.4	572.7	572.0	572.7	573.4	574.1
142.5°	596.8	596.5	596.2	595.7	595.0	594.3	593.7	593.0	593.7	594.3	595.0
145°	628.0	627.6	627.2	626.8	626.5	626.2	625.9	625.7	625.9	626.2	626.5
147.5°	657.5	657.2	656.8	656.3	655.8	655.3	654.8	654.3	654.8	655.3	655.8
150°	676.2	675.9	675.6	675.4	675.1	674.8	674.5	674.2	674.5	674.8	675.1
152.5°	692.8	692.6	692.4	692.2	691.8	691.4	691.0	690.6	691.0	691.4	691.8
155°	716.8	716.6	716.4	716.4	716.4	716.4	716.4	716.4	716.4	716.4	716.4
157.5°	737.9	737.8	737.7	737.7	737.9	738.0	738.2	738.4	738.2	738.0	737.9
160°	750.9	750.9	750.9	751.1	751.3	751.7	751.9	752.2	751.9	751.7	751.3
162.5°	762.9	762.8	762.8	762.8	763.3	763.6	764.1	764.5	764.1	763.6	763.3
165°	778.3	778.3	778.3	778.6	779.0	779.5	779.9	780.3	779.9	779.5	779.0
167.5°	790.7	790.6	790.5	790.7	791.3	791.9	792.4	793.0	792.4	791.9	791.3
170°	797.5	797.5	797.5	797.8	798.4	799.0	799.5	800.1	799.5	799.0	798.4
172.5°	803.1	803.1	803.1	803.5	804.0	804.6	805.2	805.7	805.2	804.6	804.0
175°	809.1	809.1	809.1	809.3	809.9	810.5	811.1	811.6	811.1	810.5	809.9
177.5°	812.0	812.0	812.0	812.3	812.7	813.1	813.6	814.1	813.6	813.1	812.7
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



TEST NUMBER: P332127-935

CATALOG NUMBER: S123DIW-S560D755U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	669.3	667.4	664.8	660.8	657.6	652.6	652.6	653.4	653.4	653.2	652.6
5°	648.9	644.0	638.1	631.2	623.9	616.6	615.4	612.7	610.7	609.4	607.8
7.5°	627.5	618.8	610.1	600.5	591.6	584.3	579.2	575.0	572.2	569.4	567.2
10°	613.0	602.1	591.9	581.7	570.5	561.5	555.9	552.0	549.1	546.4	545.1
12.5°	595.9	583.4	572.1	562.4	550.2	541.0	535.6	533.8	530.3	524.8	521.9
15°	570.8	559.3	545.8	530.9	525.0	513.8	507.5	504.5	502.6	498.3	497.0
17.5°	549.4	534.3	519.1	508.0	497.0	487.9	484.4	480.7	478.1	474.6	473.6
20°	532.3	518.8	504.9	493.0	481.5	471.6	468.6	466.0	463.3	461.7	460.4
22.5°	514.8	501.3	489.8	478.7	466.4	459.9	456.7	453.8	451.9	450.8	449.5
25°	490.3	478.5	465.6	455.7	445.8	441.5	439.5	437.9	436.6	435.0	434.6
27.5°	468.5	455.6	445.1	435.8	428.8	425.2	423.3	422.5	422.8	423.4	423.7
30°	452.1	440.2	431.6	423.7	417.2	413.9	413.5	413.5	414.8	415.2	415.9
32.5°	437.0	427.3	418.7	411.0	406.0	403.8	405.1	405.1	406.1	407.0	408.2
35°	415.2	406.6	400.0	393.4	389.1	390.1	390.7	391.4	393.0	395.0	396.4
37.5°	394.3	386.8	380.0	374.8	372.8	374.6	376.2	377.5	379.5	381.0	382.3
40°	379.2	373.6	367.0	362.4	363.1	364.0	365.4	367.0	368.7	369.6	371.0
42.5°	365.2	359.4	354.4	350.5	351.5	352.8	353.5	354.4	356.3	358.1	358.9
45°	344.0	339.3	334.7	332.4	333.0	333.7	334.4	335.4	337.0	338.4	338.6
47.5°	320.0	316.8	313.7	311.4	312.5	312.2	313.1	315.2	315.7	316.5	318.3
50°	304.7	301.7	298.1	297.5	297.5	297.5	297.7	300.4	300.4	301.7	303.1
52.5°	287.8	285.9	283.6	282.4	281.9	281.9	283.3	284.6	285.1	287.0	288.3
55°	262.8	260.8	258.9	257.9	257.2	257.9	260.5	261.1	262.8	263.8	264.8
57.5°	236.8	235.2	233.7	233.2	233.0	233.8	235.3	237.3	237.7	240.7	242.2
60°	219.6	217.3	216.0	216.0	215.3	218.3	217.7	220.9	221.6	223.6	225.9
62.5°	201.9	198.8	198.3	198.3	199.2	200.1	201.0	202.5	204.2	206.7	208.4
65°	173.5	171.8	174.1	173.7	173.1	175.1	175.1	176.8	178.7	181.1	184.7
67.5°	146.5	145.6	145.9	145.9	146.8	147.9	148.9	150.3	152.7	155.2	157.5
70°	128.3	129.2	127.6	129.0	129.9	130.3	130.9	132.9	135.5	137.2	139.8
72.5°	110.6	110.6	110.7	111.2	112.3	112.9	113.5	115.7	118.6	120.0	122.2
75°	85.1	84.7	85.8	85.8	87.4	88.1	88.7	89.7	92.3	94.3	96.0
77.5°	62.2	62.5	62.3	63.5	63.0	63.1	65.2	66.1	66.4	70.3	71.2
80°	46.8	47.5	47.8	48.1	48.5	47.8	50.1	51.1	51.1	53.4	55.1
82.5°	33.7	34.0	34.9	35.2	35.3	35.9	36.2	36.9	37.6	38.7	40.8
85°	16.8	17.8	18.2	17.8	18.2	17.5	18.4	18.8	19.1	19.1	19.1
87.5°	6.5	7.1	7.2	7.8	8.0	8.6	8.7	8.3	8.4	9.3	8.4
90°	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.4	17.0	17.7	18.0
92.5°	19.3	20.3	21.4	22.5	23.5	24.5	25.0	25.5	25.9	26.3	26.5
95°	41.7	42.7	43.9	45.0	46.1	47.3	47.9	48.4	49.0	49.6	49.9
97.5°	69.9	70.7	71.5	72.3	73.2	74.0	74.6	75.3	75.9	76.6	76.9
100°	90.3	91.1	91.8	92.6	93.2	93.9	94.4	94.8	95.2	95.7	96.0
102.5°	111.9	112.7	113.7	114.6	115.5	116.4	116.8	117.3	117.7	118.1	118.3
105°	144.9	145.7	147.0	148.3	149.6	150.8	150.8	150.8	150.8	150.8	150.9
107.5°	183.8	184.2	184.7	185.2	185.7	186.2	186.7	187.1	187.6	188.0	188.2
110°	208.8	209.1	209.4	209.7	210.0	210.3	210.9	211.4	212.0	212.5	212.7



TEST NUMBER: P332127-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	233.9	234.0	234.1	234.2	234.2	234.3	235.0	235.7	236.3	237.0	237.3
115°	273.3	273.4	273.1	272.9	272.5	272.2	272.4	272.5	272.7	272.9	272.9
117.5°	311.3	311.3	310.9	310.6	310.2	309.8	309.8	309.8	309.7	309.7	309.5
120°	337.7	337.7	337.0	336.3	335.6	334.8	334.8	334.6	334.4	334.3	334.1
122.5°	361.8	361.9	361.5	361.2	360.8	360.4	360.1	359.7	359.3	359.0	358.6
125°	399.2	399.2	399.0	398.7	398.4	398.1	397.6	397.0	396.4	395.9	395.3
127.5°	436.4	436.7	436.4	436.1	435.8	435.5	434.6	433.9	433.1	432.3	431.5
130°	460.8	461.2	460.8	460.4	459.9	459.5	458.9	458.4	457.8	457.2	456.4
132.5°	484.4	484.7	484.5	484.1	483.8	483.5	482.8	482.2	481.5	480.8	480.1
135°	519.1	519.5	519.4	519.2	519.1	518.9	518.3	517.8	517.2	516.7	516.3
137.5°	551.8	552.3	552.7	553.1	553.5	553.8	553.2	552.6	552.0	551.5	550.9
140°	574.8	575.2	575.4	575.5	575.7	575.8	575.7	575.5	575.4	575.2	574.6
142.5°	595.7	596.2	596.5	596.8	597.0	597.3	597.1	597.0	596.8	596.7	596.2
145°	626.8	627.2	627.6	628.0	628.4	628.9	628.7	628.5	628.4	628.3	627.9
147.5°	656.3	656.8	657.2	657.5	658.0	658.4	658.4	658.4	658.4	658.4	658.0
150°	675.4	675.6	675.9	676.2	676.5	676.7	676.7	676.7	676.7	676.7	676.3
152.5°	692.2	692.4	692.6	692.8	692.9	693.1	693.4	693.6	693.8	694.1	693.8
155°	716.4	716.4	716.6	716.8	716.9	717.0	717.6	718.2	718.8	719.3	719.1
157.5°	737.7	737.7	737.8	737.9	738.0	738.1	738.7	739.3	739.9	740.5	740.4
160°	751.1	750.9	750.9	750.9	750.9	750.9	751.7	752.3	753.0	753.7	753.8
162.5°	762.8	762.8	762.8	762.9	763.1	763.2	763.9	764.6	765.3	766.0	765.9
165°	778.6	778.3	778.3	778.3	778.3	778.3	779.2	780.1	780.9	781.8	781.7
167.5°	790.7	790.5	790.6	790.7	790.8	790.9	791.8	792.6	793.6	794.4	794.4
170°	797.8	797.5	797.5	797.5	797.5	797.5	798.6	799.5	800.6	801.5	801.5
172.5°	803.5	803.1	803.1	803.1	803.1	803.1	804.1	804.9	805.8	806.7	806.7
175°	809.3	809.1	809.1	809.1	809.1	809.1	809.9	810.8	811.6	812.4	812.4
177.5°	812.3	812.0	812.0	812.0	812.0	812.0	812.7	813.4	814.1	814.8	814.7
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



TEST NUMBER: P332127-935

CATALOG NUMBER: S123DIW-S560D755U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	650.8	650.6	652.4	651.1	652.4	650.6	650.8	652.6	653.2	653.4	653.4
5°	605.8	606.7	603.5	603.5	603.5	606.7	605.8	607.8	609.4	610.7	612.7
7.5°	565.7	564.2	564.4	562.6	564.4	564.2	565.7	567.2	569.4	572.2	575.0
10°	541.1	539.2	538.5	538.8	538.5	539.2	541.1	545.1	546.4	549.1	552.0
12.5°	520.8	520.4	516.1	516.2	516.1	520.4	520.8	521.9	524.8	530.3	533.8
15°	497.0	490.7	490.0	492.0	490.0	490.7	497.0	497.0	498.3	502.6	504.5
17.5°	473.0	469.7	469.9	468.9	469.9	469.7	473.0	473.6	474.6	478.1	480.7
20°	460.4	458.4	458.1	455.7	458.1	458.4	460.4	460.4	461.7	463.3	466.0
22.5°	448.8	448.1	448.2	445.7	448.2	448.1	448.8	449.5	450.8	451.9	453.8
25°	434.3	435.9	434.6	434.6	434.6	435.9	434.3	434.6	435.0	436.6	437.9
27.5°	424.6	424.5	423.8	423.8	423.8	424.5	424.6	423.7	423.4	422.8	422.5
30°	417.2	416.8	417.5	417.5	417.5	416.8	417.2	415.9	415.2	414.8	413.5
32.5°	409.7	410.2	410.4	410.6	410.4	410.2	409.7	408.2	407.0	406.1	405.1
35°	398.4	398.6	399.7	399.0	399.7	398.6	398.4	396.4	395.0	393.0	391.4
37.5°	382.9	384.4	384.1	384.6	384.1	384.4	382.9	382.3	381.0	379.5	377.5
40°	371.3	372.3	372.0	372.0	372.0	372.3	371.3	371.0	369.6	368.7	367.0
42.5°	359.5	360.2	359.3	358.8	359.3	360.2	359.5	358.9	358.1	356.3	354.4
45°	340.0	339.3	340.4	339.0	340.4	339.3	340.0	338.6	338.4	337.0	335.4
47.5°	318.2	318.9	319.2	320.1	319.2	318.9	318.2	318.3	316.5	315.7	315.2
50°	303.7	305.7	305.7	305.4	305.7	305.7	303.7	303.1	301.7	300.4	300.4
52.5°	289.5	290.4	291.7	291.6	291.7	290.4	289.5	288.3	287.0	285.1	284.6
55°	267.4	268.1	268.7	269.1	268.7	268.1	267.4	264.8	263.8	262.8	261.1
57.5°	244.6	244.4	245.9	246.4	245.9	244.4	244.6	242.2	240.7	237.7	237.3
60°	228.5	228.5	231.2	232.1	231.2	228.5	228.5	225.9	223.6	221.6	220.9
62.5°	211.4	212.4	215.1	213.7	215.1	212.4	211.4	208.4	206.7	204.2	202.5
65°	186.3	189.0	188.6	189.9	188.6	189.0	186.3	184.7	181.1	178.7	176.8
67.5°	160.1	161.8	164.2	164.4	164.2	161.8	160.1	157.5	155.2	152.7	150.3
70°	142.5	144.1	145.4	146.4	145.4	144.1	142.5	139.8	137.2	135.5	132.9
72.5°	125.3	126.1	129.3	127.9	129.3	126.1	125.3	122.2	120.0	118.6	115.7
75°	98.2	100.6	102.5	101.6	102.5	100.6	98.2	96.0	94.3	92.3	89.7
77.5°	72.7	75.0	75.9	75.1	75.9	75.0	72.7	71.2	70.3	66.4	66.1
80°	57.3	57.1	59.1	58.7	59.1	57.1	57.3	55.1	53.4	51.1	51.1
82.5°	42.1	41.8	42.7	42.9	42.7	41.8	42.1	40.8	38.7	37.6	36.9
85°	20.4	21.4	20.1	19.8	20.1	21.4	20.4	19.1	19.1	19.1	18.8
87.5°	8.4	8.4	8.3	8.1	8.3	8.4	8.4	8.4	9.3	8.4	8.3
90°	18.3	18.6	18.9	19.2	18.9	18.6	18.3	18.0	17.7	17.0	16.4
92.5°	26.3	26.2	26.0	25.8	26.0	26.2	26.3	26.5	26.3	25.9	25.5
95°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.6	49.0	48.4
97.5°	76.9	76.8	76.7	76.7	76.7	76.8	76.9	76.9	76.6	75.9	75.3
100°	96.3	96.6	96.9	97.1	96.9	96.6	96.3	96.0	95.7	95.2	94.8
102.5°	118.3	118.2	118.1	118.1	118.1	118.2	118.3	118.3	118.1	117.7	117.3
105°	151.3	151.5	151.8	152.1	151.8	151.5	151.3	150.9	150.8	150.8	150.8
107.5°	188.0	187.9	187.7	187.5	187.7	187.9	188.0	188.2	188.0	187.6	187.1
110°	212.4	212.1	211.8	211.5	211.8	212.1	212.4	212.7	212.5	212.0	211.4



TEST NUMBER: P332127-935

CATALOG NUMBER: S123DIW-S560D755U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	237.3	237.2	237.1	237.1	237.1	237.2	237.3	237.3	237.0	236.3	235.7
115°	272.7	272.5	272.4	272.2	272.4	272.5	272.7	272.9	272.9	272.7	272.5
117.5°	309.1	308.7	308.3	307.9	308.3	308.7	309.1	309.5	309.7	309.7	309.8
120°	333.8	333.6	333.2	332.9	333.2	333.6	333.8	334.1	334.3	334.4	334.6
122.5°	358.2	357.7	357.4	357.0	357.4	357.7	358.2	358.6	359.0	359.3	359.7
125°	394.8	394.2	393.6	393.0	393.6	394.2	394.8	395.3	395.9	396.4	397.0
127.5°	430.9	430.2	429.6	429.0	429.6	430.2	430.9	431.5	432.3	433.1	433.9
130°	455.5	454.4	453.5	452.5	453.5	454.4	455.5	456.4	457.2	457.8	458.4
132.5°	479.3	478.5	477.8	477.0	477.8	478.5	479.3	480.1	480.8	481.5	482.2
135°	515.9	515.7	515.4	515.1	515.4	515.7	515.9	516.3	516.7	517.2	517.8
137.5°	550.4	549.7	549.2	548.7	549.2	549.7	550.4	550.9	551.5	552.0	552.6
140°	573.7	572.7	571.7	570.7	571.7	572.7	573.7	574.6	575.2	575.4	575.5
142.5°	595.5	594.7	593.9	593.1	593.9	594.7	595.5	596.2	596.7	596.8	597.0
145°	627.3	626.8	626.2	625.7	626.2	626.8	627.3	627.9	628.3	628.4	628.5
147.5°	657.1	656.3	655.4	654.5	655.4	656.3	657.1	658.0	658.4	658.4	658.4
150°	675.5	674.7	673.8	673.0	673.8	674.7	675.5	676.3	676.7	676.7	676.7
152.5°	693.0	692.3	691.6	690.9	691.6	692.3	693.0	693.8	694.1	693.8	693.6
155°	718.1	717.1	716.1	715.1	716.1	717.1	718.1	719.1	719.3	718.8	718.2
157.5°	739.6	738.8	738.0	737.2	738.0	738.8	739.6	740.4	740.5	739.9	739.3
160°	753.3	752.7	752.1	751.6	752.1	752.7	753.3	753.8	753.7	753.0	752.3
162.5°	765.0	764.1	763.2	762.2	763.2	764.1	765.0	765.9	766.0	765.3	764.6
165°	780.8	779.7	778.8	777.7	778.8	779.7	780.8	781.7	781.8	780.9	780.1
167.5°	793.6	792.6	791.8	790.9	791.8	792.6	793.6	794.4	794.4	793.6	792.6
170°	800.6	799.5	798.6	797.5	798.6	799.5	800.6	801.5	801.5	800.6	799.5
172.5°	805.6	804.7	803.7	802.7	803.7	804.7	805.6	806.7	806.7	805.8	804.9
175°	811.4	810.4	809.4	808.4	809.4	810.4	811.4	812.4	812.4	811.6	810.8
177.5°	813.9	813.0	812.3	811.5	812.3	813.0	813.9	814.7	814.8	814.1	813.4
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



TEST NUMBER: P332127-935

CATALOG NUMBER: S123DIW-S560D755U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	652.6	652.6	657.6	660.8	664.8	667.4	669.3	671.1	674.2	678.6	683.3
5°	615.4	616.6	623.9	631.2	638.1	644.0	648.9	654.9	662.2	671.1	681.0
7.5°	579.2	584.3	591.6	600.5	610.1	618.8	627.5	637.3	647.5	660.6	674.5
10°	555.9	561.5	570.5	581.7	591.9	602.1	613.0	623.5	636.5	651.9	669.8
12.5°	535.6	541.0	550.2	562.4	572.1	583.4	595.9	609.6	624.1	642.7	662.9
15°	507.5	513.8	525.0	530.9	545.8	559.3	570.8	590.6	609.1	628.2	651.6
17.5°	484.4	487.9	497.0	508.0	519.1	534.3	549.4	565.8	584.3	607.7	637.0
20°	468.6	471.6	481.5	493.0	504.9	518.8	532.3	548.7	569.5	594.3	625.9
22.5°	456.7	459.9	466.4	478.7	489.8	501.3	514.8	534.5	556.6	580.7	615.1
25°	439.5	441.5	445.8	455.7	465.6	478.5	490.3	508.9	531.6	559.9	594.3
27.5°	423.3	425.2	428.8	435.8	445.1	455.6	468.5	484.1	507.2	538.0	574.5
30°	413.5	413.9	417.2	423.7	431.6	440.2	452.1	469.9	491.6	523.0	561.3
32.5°	405.1	403.8	406.0	411.0	418.7	427.3	437.0	454.6	475.6	506.4	545.7
35°	390.7	390.1	389.1	393.4	400.0	406.6	415.2	428.3	452.1	480.8	522.0
37.5°	376.2	374.6	372.8	374.8	380.0	386.8	394.3	406.0	426.5	458.1	497.5
40°	365.4	364.0	363.1	362.4	367.0	373.6	379.2	390.5	409.6	439.5	478.5
42.5°	353.5	352.8	351.5	350.5	354.4	359.4	365.2	375.1	394.3	422.4	459.3
45°	334.4	333.7	333.0	332.4	334.7	339.3	344.0	351.2	367.6	395.0	428.3
47.5°	313.1	312.2	312.5	311.4	313.7	316.8	320.0	327.8	343.6	365.7	390.0
50°	297.7	297.5	297.5	297.5	298.1	301.7	304.7	310.6	325.1	347.2	364.7
52.5°	283.3	281.9	281.9	282.4	283.6	285.9	287.8	294.3	306.9	325.1	341.0
55°	260.5	257.9	257.2	257.9	258.9	260.8	262.8	268.1	279.0	292.5	301.7
57.5°	235.3	233.8	233.0	233.2	233.7	235.2	236.8	242.5	251.1	258.1	264.1
60°	217.7	218.3	215.3	216.0	216.0	217.3	219.6	223.3	230.5	235.5	241.4
62.5°	201.0	200.1	199.2	198.3	198.3	198.8	201.9	204.7	210.9	213.5	218.2
65°	175.1	175.1	173.1	173.7	174.1	171.8	173.5	176.8	180.7	181.7	186.0
67.5°	148.9	147.9	146.8	145.9	145.9	145.6	146.5	148.1	151.1	151.4	154.7
70°	130.9	130.3	129.9	129.0	127.6	129.2	128.3	129.9	131.6	131.9	133.9
72.5°	113.5	112.9	112.3	111.2	110.7	110.6	110.6	112.5	113.7	113.1	115.4
75°	88.7	88.1	87.4	85.8	85.8	84.7	85.1	86.4	87.7	86.7	88.7
77.5°	65.2	63.1	63.0	63.5	62.3	62.5	62.2	61.9	62.5	62.6	64.4
80°	50.1	47.8	48.5	48.1	47.8	47.5	46.8	47.2	47.5	47.8	48.8
82.5°	36.2	35.9	35.3	35.2	34.9	34.0	33.7	34.3	34.5	34.4	35.1
85°	18.4	17.5	18.2	17.8	18.2	17.8	16.8	16.8	17.5	17.1	17.8
87.5°	8.7	8.6	8.0	7.8	7.2	7.1	6.5	6.5	6.5	6.2	6.5
90°	15.9	15.3	13.5	11.6	9.8	7.9	6.3	4.9	3.4	2.1	0.6
92.5°	25.0	24.5	23.5	22.5	21.4	20.3	19.3	18.3	17.4	16.4	15.5
95°	47.9	47.3	46.1	45.0	43.9	42.7	41.7	40.7	39.7	38.7	37.7
97.5°	74.6	74.0	73.2	72.3	71.5	70.7	69.9	69.2	68.4	67.7	67.0
100°	94.4	93.9	93.2	92.6	91.8	91.1	90.3	89.5	88.6	87.7	86.9
102.5°	116.8	116.4	115.5	114.6	113.7	112.7	111.9	111.4	111.0	110.5	109.9
105°	150.8	150.8	149.6	148.3	147.0	145.7	144.9	144.6	144.4	144.0	143.8
107.5°	186.7	186.2	185.7	185.2	184.7	184.2	183.8	183.7	183.5	183.3	183.1
110°	210.9	210.3	210.0	209.7	209.4	209.1	208.8	208.5	208.3	208.0	207.7



TEST NUMBER: P332127-935

CATALOG NUMBER: S123DIW-S560D755U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	235.0	234.3	234.2	234.2	234.1	234.0	233.9	233.8	233.6	233.4	233.2
115°	272.4	272.2	272.5	272.9	273.1	273.4	273.3	272.9	272.4	272.0	271.6
117.5°	309.8	309.8	310.2	310.6	310.9	311.3	311.3	311.1	310.7	310.5	310.2
120°	334.8	334.8	335.6	336.3	337.0	337.7	337.7	336.8	336.0	335.1	334.2
122.5°	360.1	360.4	360.8	361.2	361.5	361.9	361.8	361.2	360.5	359.9	359.3
125°	397.6	398.1	398.4	398.7	399.0	399.2	399.2	398.8	398.4	398.0	397.5
127.5°	434.6	435.5	435.8	436.1	436.4	436.7	436.4	435.5	434.6	433.7	432.7
130°	458.9	459.5	459.9	460.4	460.8	461.2	460.8	459.7	458.6	457.4	456.3
132.5°	482.8	483.5	483.8	484.1	484.5	484.7	484.4	483.2	482.1	481.0	479.8
135°	518.3	518.9	519.1	519.2	519.4	519.5	519.1	518.3	517.5	516.6	515.7
137.5°	553.2	553.8	553.5	553.1	552.7	552.3	551.8	551.1	550.4	549.7	549.0
140°	575.7	575.8	575.7	575.5	575.4	575.2	574.8	574.1	573.4	572.7	572.0
142.5°	597.1	597.3	597.0	596.8	596.5	596.2	595.7	595.0	594.3	593.7	593.0
145°	628.7	628.9	628.4	628.0	627.6	627.2	626.8	626.5	626.2	625.9	625.7
147.5°	658.4	658.4	658.0	657.5	657.2	656.8	656.3	655.8	655.3	654.8	654.3
150°	676.7	676.7	676.5	676.2	675.9	675.6	675.4	675.1	674.8	674.5	674.2
152.5°	693.4	693.1	692.9	692.8	692.6	692.4	692.2	691.8	691.4	691.0	690.6
155°	717.6	717.0	716.9	716.8	716.6	716.4	716.4	716.4	716.4	716.4	716.4
157.5°	738.7	738.1	738.0	737.9	737.8	737.7	737.7	737.9	738.0	738.2	738.4
160°	751.7	750.9	750.9	750.9	750.9	750.9	751.1	751.3	751.7	751.9	752.2
162.5°	763.9	763.2	763.1	762.9	762.8	762.8	762.8	763.3	763.6	764.1	764.5
165°	779.2	778.3	778.3	778.3	778.3	778.3	778.6	779.0	779.5	779.9	780.3
167.5°	791.8	790.9	790.8	790.7	790.6	790.5	790.7	791.3	791.9	792.4	793.0
170°	798.6	797.5	797.5	797.5	797.5	797.5	797.8	798.4	799.0	799.5	800.1
172.5°	804.1	803.1	803.1	803.1	803.1	803.1	803.5	804.0	804.6	805.2	805.7
175°	809.9	809.1	809.1	809.1	809.1	809.1	809.3	809.9	810.5	811.1	811.6
177.5°	812.7	812.0	812.0	812.0	812.0	812.0	812.3	812.7	813.1	813.6	814.1
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



TEST NUMBER: P332127-935

CATALOG NUMBER: S123DIW-S560D755U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	684.8	686.1	690.6	693.8	697.5	699.6	701.7	703.4	705.4	705.9	713.6
5°	687.9	694.5	706.0	714.5	725.1	736.7	744.6	748.2	757.8	765.7	781.5
7.5°	687.0	701.0	718.5	736.6	756.0	773.9	789.5	807.9	821.0	840.8	860.2
10°	686.2	705.0	727.5	750.5	777.6	802.6	825.1	850.2	870.9	898.3	921.7
12.5°	683.9	706.6	737.7	765.0	797.9	832.4	865.6	897.9	916.3	961.8	983.4
15°	678.0	705.0	743.9	785.5	830.7	871.6	913.8	947.4	1001.8	1041.7	1067.1
17.5°	666.8	704.6	750.8	800.9	855.8	909.7	957.5	1008.6	1066.3	1114.6	1166.1
20°	661.5	703.0	754.5	809.9	866.9	927.9	982.3	1043.7	1106.6	1154.2	1220.1
22.5°	651.8	698.8	754.2	816.0	876.9	940.0	1003.8	1065.6	1138.3	1203.8	1266.5
25°	635.8	688.5	745.9	814.9	886.4	949.7	1025.9	1108.0	1183.9	1267.9	1330.6
27.5°	619.1	675.4	732.9	796.9	873.9	949.1	1044.9	1137.6	1230.4	1303.0	1349.4
30°	606.1	660.8	720.2	784.8	861.0	950.4	1057.6	1158.7	1249.1	1311.5	1337.5
32.5°	592.1	647.6	700.2	767.9	849.1	949.6	1065.5	1171.1	1250.2	1291.7	1286.6
35°	570.2	616.6	667.8	733.1	828.7	943.7	1070.1	1172.3	1220.7	1211.9	1144.6
37.5°	538.5	577.6	627.9	699.4	804.9	931.6	1060.8	1137.6	1134.4	1061.9	964.4
40°	518.8	552.0	600.5	675.7	786.4	923.7	1046.3	1096.1	1054.0	952.7	835.9
42.5°	492.8	523.5	572.0	649.3	766.2	907.6	1018.6	1033.0	950.5	834.0	727.0
45°	452.8	479.8	529.9	609.8	735.7	872.5	951.1	915.8	804.6	684.2	602.8
47.5°	409.7	437.8	486.0	568.0	691.6	819.8	857.2	782.2	668.0	570.5	495.7
50°	382.5	409.6	456.7	539.5	661.9	776.6	792.1	695.2	590.3	504.5	443.2
52.5°	355.1	380.6	426.9	510.0	627.0	726.4	716.9	618.1	521.7	448.6	400.5
55°	314.3	338.4	382.5	460.4	566.9	645.7	611.1	516.8	437.0	380.2	343.6
57.5°	277.8	300.8	338.9	409.2	501.8	555.9	512.0	432.5	369.0	325.4	298.1
60°	253.0	273.4	309.6	375.0	455.4	496.6	453.1	382.9	329.4	294.5	270.1
62.5°	229.5	247.3	280.9	340.1	410.0	444.6	400.6	341.1	295.7	264.7	243.9
65°	193.9	210.1	239.7	285.9	343.3	366.4	328.5	280.3	245.0	222.0	208.1
67.5°	161.4	175.1	200.8	237.1	279.4	296.2	267.3	230.1	203.5	184.9	173.9
70°	139.8	151.7	171.8	203.1	241.4	254.3	227.2	196.6	177.1	162.2	152.1
72.5°	121.6	130.4	148.6	172.8	204.7	214.9	196.0	169.1	150.9	139.8	131.7
75°	92.6	99.9	111.8	131.2	153.3	159.3	145.1	128.3	116.1	108.1	101.9
77.5°	66.8	72.2	80.8	92.7	108.1	113.4	104.4	93.2	84.3	79.0	75.4
80°	50.5	54.8	62.0	71.9	81.1	84.1	78.8	70.3	64.0	61.0	58.0
82.5°	37.3	39.7	44.1	50.8	57.1	60.6	56.1	51.0	47.6	44.9	43.8
85°	18.8	20.1	22.1	24.7	28.7	30.0	28.3	27.0	25.1	23.4	23.4
87.5°	7.2	7.6	8.6	9.5	10.8	12.0	12.1	12.0	12.1	11.9	11.7
90°	2.1	3.4	4.9	6.3	7.9	9.8	11.6	13.5	15.3	15.9	16.4
92.5°	16.4	17.4	18.3	19.3	20.3	21.4	22.5	23.5	24.5	25.0	25.5
95°	38.7	39.7	40.7	41.7	42.7	43.9	45.0	46.1	47.3	47.9	48.4
97.5°	67.7	68.4	69.2	69.9	70.7	71.5	72.3	73.2	74.0	74.6	75.3
100°	87.7	88.6	89.5	90.3	91.1	91.8	92.6	93.2	93.9	94.4	94.8
102.5°	110.5	111.0	111.4	111.9	112.7	113.7	114.6	115.5	116.4	116.8	117.3
105°	144.0	144.4	144.6	144.9	145.7	147.0	148.3	149.6	150.8	150.8	150.8
107.5°	183.3	183.5	183.7	183.8	184.2	184.7	185.2	185.7	186.2	186.7	187.1
110°	208.0	208.3	208.5	208.8	209.1	209.4	209.7	210.0	210.3	210.9	211.4





TEST NUMBER: P332127-935

CATALOG NUMBER: S123DIW-S560D755U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	233.4	233.6	233.8	233.9	234.0	234.1	234.2	234.2	234.3	235.0	235.7
115°	272.0	272.4	272.9	273.3	273.4	273.1	272.9	272.5	272.2	272.4	272.5
117.5°	310.5	310.7	311.1	311.3	311.3	310.9	310.6	310.2	309.8	309.8	309.8
120°	335.1	336.0	336.8	337.7	337.7	337.0	336.3	335.6	334.8	334.8	334.6
122.5°	359.9	360.5	361.2	361.8	361.9	361.5	361.2	360.8	360.4	360.1	359.7
125°	398.0	398.4	398.8	399.2	399.2	399.0	398.7	398.4	398.1	397.6	397.0
127.5°	433.7	434.6	435.5	436.4	436.7	436.4	436.1	435.8	435.5	434.6	433.9
130°	457.4	458.6	459.7	460.8	461.2	460.8	460.4	459.9	459.5	458.9	458.4
132.5°	481.0	482.1	483.2	484.4	484.7	484.5	484.1	483.8	483.5	482.8	482.2
135°	516.6	517.5	518.3	519.1	519.5	519.4	519.2	519.1	518.9	518.3	517.8
137.5°	549.7	550.4	551.1	551.8	552.3	552.7	553.1	553.5	553.8	553.2	552.6
140°	572.7	573.4	574.1	574.8	575.2	575.4	575.5	575.7	575.8	575.7	575.5
142.5°	593.7	594.3	595.0	595.7	596.2	596.5	596.8	597.0	597.3	597.1	597.0
145°	625.9	626.2	626.5	626.8	627.2	627.6	628.0	628.4	628.9	628.7	628.5
147.5°	654.8	655.3	655.8	656.3	656.8	657.2	657.5	658.0	658.4	658.4	658.4
150°	674.5	674.8	675.1	675.4	675.6	675.9	676.2	676.5	676.7	676.7	676.7
152.5°	691.0	691.4	691.8	692.2	692.4	692.6	692.8	692.9	693.1	693.4	693.6
155°	716.4	716.4	716.4	716.4	716.4	716.6	716.8	716.9	717.0	717.6	718.2
157.5°	738.2	738.0	737.9	737.7	737.7	737.8	737.9	738.0	738.1	738.7	739.3
160°	751.9	751.7	751.3	751.1	750.9	750.9	750.9	750.9	750.9	751.7	752.3
162.5°	764.1	763.6	763.3	762.8	762.8	762.8	762.9	763.1	763.2	763.9	764.6
165°	779.9	779.5	779.0	778.6	778.3	778.3	778.3	778.3	778.3	779.2	780.1
167.5°	792.4	791.9	791.3	790.7	790.5	790.6	790.7	790.8	790.9	791.8	792.6
170°	799.5	799.0	798.4	797.8	797.5	797.5	797.5	797.5	797.5	798.6	799.5
172.5°	805.2	804.6	804.0	803.5	803.1	803.1	803.1	803.1	803.1	804.1	804.9
175°	811.1	810.5	809.9	809.3	809.1	809.1	809.1	809.1	809.1	809.9	810.8
177.5°	813.6	813.1	812.7	812.3	812.0	812.0	812.0	812.0	812.0	812.7	813.4
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	680.6	680.6	680.6	680.6	680.6	680.6	680.6
2.5°	716.3	716.5	719.4	721.5	720.5	721.8	722.3
5°	782.5	794.4	800.6	805.3	805.6	805.9	808.6
7.5°	876.5	889.2	898.5	912.7	916.9	921.7	920.3
10°	945.1	963.9	980.1	988.6	997.8	1011.3	1000.5
12.5°	1009.2	1042.5	1067.1	1080.4	1089.2	1091.8	1086.5
15°	1114.9	1158.5	1181.9	1181.2	1210.9	1223.7	1203.6
17.5°	1211.9	1252.1	1284.2	1300.7	1325.4	1330.9	1328.4
20°	1271.2	1315.1	1340.1	1368.5	1381.4	1392.9	1394.9
22.5°	1322.4	1361.8	1388.7	1412.3	1423.1	1428.5	1431.8
25°	1375.1	1406.1	1422.3	1430.5	1433.5	1432.8	1428.5
27.5°	1371.5	1373.8	1356.1	1338.6	1322.9	1305.3	1299.2
30°	1335.8	1308.1	1258.7	1230.6	1189.5	1156.8	1170.0
32.5°	1242.2	1187.1	1131.5	1070.2	1019.5	1005.1	990.6
35°	1060.1	963.2	906.5	840.6	814.2	787.8	769.6
37.5°	857.7	782.7	715.4	672.3	645.8	629.2	620.2
40°	741.7	674.0	618.6	583.7	563.5	544.8	542.1
42.5°	649.0	586.2	544.5	516.7	497.3	489.4	483.5
45°	531.6	487.7	459.7	439.9	427.1	422.1	415.5
47.5°	450.0	419.0	397.9	384.4	374.7	371.0	370.5
50°	404.3	378.6	363.1	352.5	344.9	343.6	338.4
52.5°	370.0	347.7	335.6	326.4	320.9	317.2	315.6
55°	321.2	306.3	295.5	290.2	285.9	282.2	282.2
57.5°	281.0	268.6	261.4	256.9	255.6	253.0	251.4
60°	256.2	245.6	240.0	236.1	233.5	233.8	230.8
62.5°	232.0	225.1	219.7	215.8	212.7	212.7	212.9
65°	197.5	192.3	188.3	187.0	185.0	182.7	183.3
67.5°	167.4	162.5	159.4	157.1	156.4	155.2	157.1
70°	145.8	142.2	139.8	137.8	137.2	137.5	139.1
72.5°	126.0	123.4	121.9	121.0	119.5	119.6	120.7
75°	98.9	96.9	95.7	94.6	94.3	94.3	94.3
77.5°	72.7	72.2	71.6	70.2	70.3	70.6	70.7
80°	57.3	56.4	56.1	55.4	54.4	53.7	55.4
82.5°	42.9	41.8	41.6	41.4	39.9	39.8	41.2
85°	23.1	22.1	22.4	22.1	22.1	21.8	21.8
87.5°	11.6	11.5	11.3	11.5	11.4	11.2	11.7
90°	17.0	17.7	18.0	18.3	18.6	18.9	19.2
92.5°	25.9	26.3	26.5	26.3	26.2	26.0	25.8
95°	49.0	49.6	49.9	49.9	49.9	49.9	49.9
97.5°	75.9	76.6	76.9	76.9	76.8	76.7	76.7
100°	95.2	95.7	96.0	96.3	96.6	96.9	97.1
102.5°	117.7	118.1	118.3	118.3	118.2	118.1	118.1
105°	150.8	150.8	150.9	151.3	151.5	151.8	152.1
107.5°	187.6	188.0	188.2	188.0	187.9	187.7	187.5
110°	212.0	212.5	212.7	212.4	212.1	211.8	211.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	236.3	237.0	237.3	237.3	237.2	237.1	237.1
115°	272.7	272.9	272.9	272.7	272.5	272.4	272.2
117.5°	309.7	309.7	309.5	309.1	308.7	308.3	307.9
120°	334.4	334.3	334.1	333.8	333.6	333.2	332.9
122.5°	359.3	359.0	358.6	358.2	357.7	357.4	357.0
125°	396.4	395.9	395.3	394.8	394.2	393.6	393.0
127.5°	433.1	432.3	431.5	430.9	430.2	429.6	429.0
130°	457.8	457.2	456.4	455.5	454.4	453.5	452.5
132.5°	481.5	480.8	480.1	479.3	478.5	477.8	477.0
135°	517.2	516.7	516.3	515.9	515.7	515.4	515.1
137.5°	552.0	551.5	550.9	550.4	549.7	549.2	548.7
140°	575.4	575.2	574.6	573.7	572.7	571.7	570.7
142.5°	596.8	596.7	596.2	595.5	594.7	593.9	593.1
145°	628.4	628.3	627.9	627.3	626.8	626.2	625.7
147.5°	658.4	658.4	658.0	657.1	656.3	655.4	654.5
150°	676.7	676.7	676.3	675.5	674.7	673.8	673.0
152.5°	693.8	694.1	693.8	693.0	692.3	691.6	690.9
155°	718.8	719.3	719.1	718.1	717.1	716.1	715.1
157.5°	739.9	740.5	740.4	739.6	738.8	738.0	737.2
160°	753.0	753.7	753.8	753.3	752.7	752.1	751.6
162.5°	765.3	766.0	765.9	765.0	764.1	763.2	762.2
165°	780.9	781.8	781.7	780.8	779.7	778.8	777.7
167.5°	793.6	794.4	794.4	793.6	792.6	791.8	790.9
170°	800.6	801.5	801.5	800.6	799.5	798.6	797.5
172.5°	805.8	806.7	806.7	805.6	804.7	803.7	802.7
175°	811.6	812.4	812.4	811.4	810.4	809.4	808.4
177.5°	814.1	814.8	814.7	813.9	813.0	812.3	811.5
180°	813.6	813.6	813.6	813.6	813.6	813.6	813.6

(END OF REPORT)