

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: P332126-930

Luminaire Tested: **S123DIW-S560D755U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332126-930
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: S123DIW-S560D755U930-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 560 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4410.1 lumens
Efficiency: N/A
Efficacy: 117.3 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

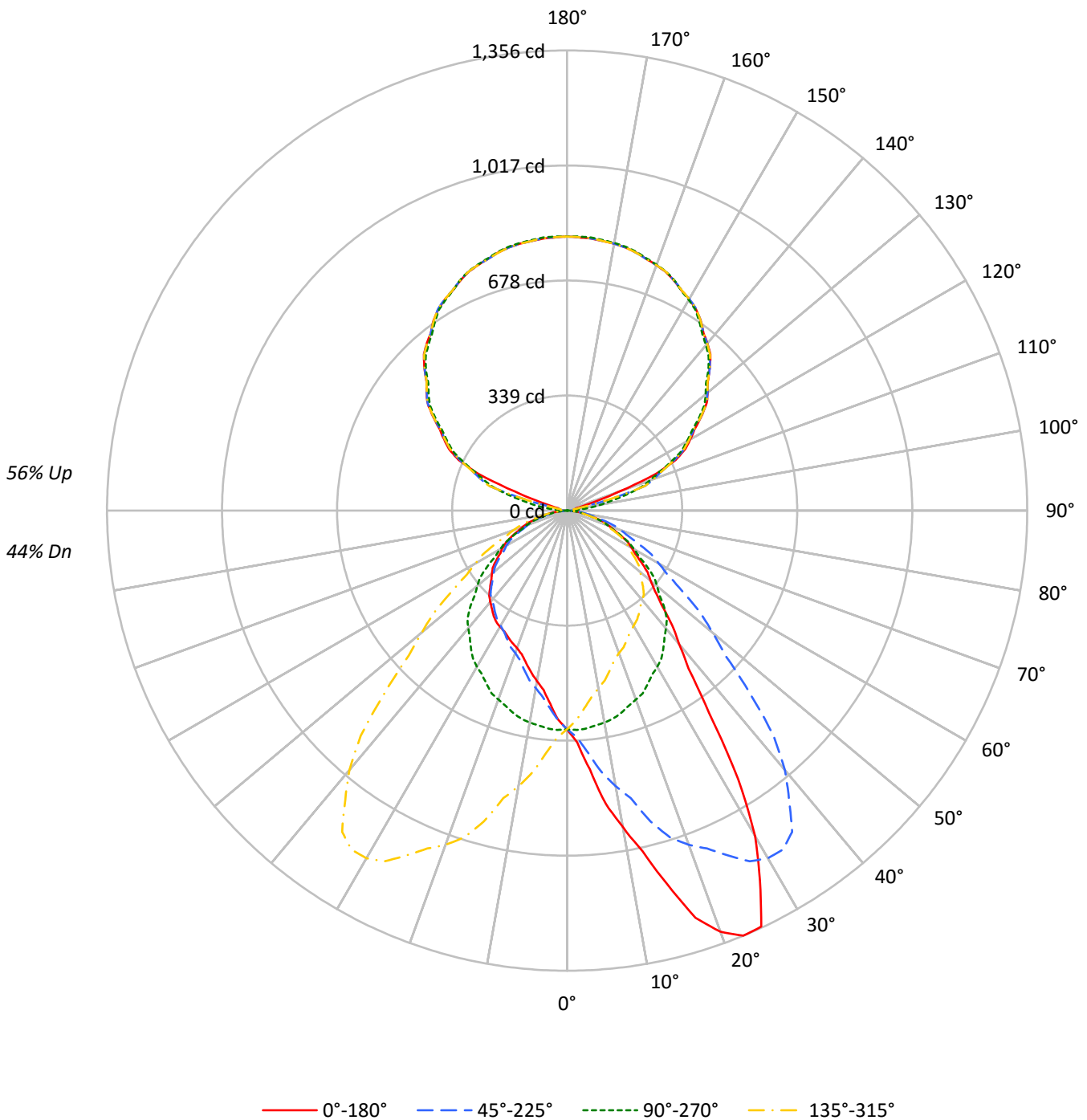
Input Watts (W): 37.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	85	88	85	82	79	71	68	66	57	56	54	45	44	43	38
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32
3	81	71	64	59	74	66	59	55	55	50	47	45	42	39	36	33	32	27
4	74	63	56	50	67	58	52	46	49	44	40	40	36	33	32	29	27	24
5	68	56	48	43	62	52	45	40	44	38	34	36	32	29	29	26	24	21
6	62	51	43	37	57	47	40	35	39	34	30	33	29	26	26	23	21	18
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16
8	54	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	14
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13
10	46	35	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6937	6937	6937	6937
5°	8272	6967	6174	6967
10°	10355	6932	5576	6932
15°	12700	6876	5192	6876
20°	15131	6788	4943	6788
25°	16066	6683	4888	6683
30°	13770	6606	4913	6606
35°	9577	6495	4964	6495
40°	7213	6367	4949	6367
45°	5990	6174	4886	6174
50°	5365	5784	4843	5784
55°	5016	5362	4782	5362
60°	4706	4921	4732	4921
65°	4422	4485	4582	4485
70°	4148	3991	4362	3991
75°	3714	3493	4001	3493
80°	3248	2864	3446	2864
85°	2544	2087	2322	2087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	1.4
10°-20°	203.6	4.6
20°-30°	341.7	7.7
30°-40°	386.9	8.8
40°-50°	346.9	7.9
50°-60°	280.0	6.3
60°-70°	195.1	4.4
70°-80°	102.5	2.3
80°-90°	27.3	0.6
90°-100°	29.4	0.7
100°-110°	139.9	3.2
110°-120°	336.1	7.6
120°-130°	428.0	9.7
130°-140°	457.3	10.4
140°-150°	427.6	9.7
150°-160°	344.9	7.8
160°-170°	222.6	5.0
170°-180°	76.7	1.7
0°-30°	608.7	13.8
0°-40°	995.6	22.6
0°-60°	1622.5	36.8
0°-90°	1947.5	44.2
90°-120°	505.4	11.5
90°-150°	1818.3	41.2
90°-180°	2463.0	55.8
0°-180°	4410.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	644	644	644	644	644	
5°	766	645	571	645	766	79
15°	1140	617	466	617	1140	329
25°	1353	563	412	563	1353	593
35°	729	494	378	494	729	473
45°	394	406	321	406	394	311
55°	267	286	255	286	267	240
65°	174	176	180	176	174	173
75°	89	84	96	84	89	96
85°	21	17	19	17	21	25
90°	18	1	18	1	18	9
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°	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	684.0	683.5	682.2	683.2	681.2	678.5	678.2	675.7	668.5	668.0	666.0
5°	765.6	763.1	762.9	762.5	758.1	752.2	740.9	740.0	725.0	717.5	708.5
7.5°	871.5	872.8	868.2	864.2	850.8	842.0	830.0	814.6	796.1	777.5	765.0
10°	947.4	957.7	944.9	936.1	928.1	912.7	895.0	872.8	850.6	824.7	805.0
12.5°	1028.8	1033.9	1031.4	1023.0	1010.5	987.2	955.6	931.2	910.8	867.6	850.2
15°	1139.7	1158.8	1146.6	1118.5	1119.2	1097.0	1055.7	1010.5	986.4	948.6	897.1
17.5°	1257.9	1260.3	1255.1	1231.7	1216.0	1185.6	1147.5	1104.2	1055.4	1009.7	955.0
20°	1320.9	1319.0	1308.1	1295.8	1269.0	1245.3	1203.7	1155.4	1092.9	1047.9	988.3
22.5°	1355.8	1352.7	1347.5	1337.3	1315.0	1289.5	1252.2	1199.3	1139.9	1077.9	1009.0
25°	1352.7	1356.7	1357.4	1354.5	1346.8	1331.5	1302.1	1260.0	1200.6	1121.0	1049.2
27.5°	1230.3	1236.0	1252.7	1267.5	1284.1	1300.9	1298.7	1277.7	1233.9	1165.1	1077.3
30°	1107.9	1095.4	1126.3	1165.3	1191.9	1238.7	1264.9	1266.5	1241.9	1182.8	1097.2
32.5°	938.0	951.8	965.4	1013.4	1071.5	1124.1	1176.2	1218.3	1223.1	1183.8	1109.0
35°	728.8	746.0	770.9	796.0	858.4	912.1	1003.9	1083.9	1147.5	1155.9	1110.0
37.5°	587.3	595.8	611.6	636.6	677.4	741.2	812.2	913.2	1005.5	1074.2	1077.2
40°	513.3	515.8	533.6	552.7	585.8	638.2	702.3	791.6	902.1	998.0	1038.0
42.5°	457.9	463.4	470.9	489.3	515.6	555.1	614.6	688.4	789.7	900.0	978.2
45°	393.5	399.7	404.4	416.5	435.3	461.8	503.4	570.8	647.9	761.9	867.2
47.5°	350.8	351.3	354.8	364.0	376.7	396.7	426.1	469.4	540.2	632.6	740.7
50°	320.4	325.4	326.6	333.8	343.8	358.5	382.9	419.6	477.8	559.0	658.3
52.5°	298.9	300.4	303.9	309.1	317.8	329.2	350.3	379.2	424.8	494.0	585.3
55°	267.3	267.3	270.8	274.8	279.8	290.1	304.1	325.4	360.0	413.8	489.3
57.5°	238.1	239.6	242.1	243.3	247.5	254.4	266.1	282.3	308.1	349.4	409.5
60°	218.6	221.4	221.1	223.6	227.3	232.6	242.6	255.8	278.8	311.9	362.6
62.5°	201.6	201.4	201.4	204.3	208.1	213.1	219.6	231.0	250.6	280.0	323.0
65°	173.6	173.0	175.2	177.1	178.3	182.1	187.0	197.1	210.2	232.0	265.4
67.5°	148.8	146.9	148.1	148.8	150.9	153.8	158.5	164.7	175.1	192.7	217.8
70°	131.8	130.2	129.9	130.5	132.4	134.6	138.0	144.0	153.6	167.7	186.1
72.5°	114.3	113.2	113.2	114.5	115.4	116.8	119.3	124.7	132.4	142.9	160.1
75°	89.3	89.3	89.3	89.6	90.6	91.8	93.7	96.4	102.4	109.9	121.5
77.5°	66.9	66.9	66.5	66.4	67.8	68.4	68.8	71.4	74.8	79.8	88.2
80°	52.4	50.9	51.5	52.4	53.1	53.4	54.3	55.0	57.8	60.6	66.5
82.5°	39.0	37.7	37.7	39.2	39.4	39.6	40.6	41.5	42.6	45.1	48.3
85°	20.6	20.6	21.0	21.0	21.2	21.0	21.9	22.2	22.2	23.7	25.6
87.5°	11.1	10.5	10.8	10.9	10.6	10.8	10.9	11.1	11.3	11.3	11.3
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°	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	664.5	662.5	660.5	657.0	654.0	649.7	648.5	647.0	642.5	638.5	635.5
5°	705.1	697.6	686.6	676.6	668.5	657.6	651.3	644.8	635.4	627.0	620.1
7.5°	747.5	732.8	715.8	697.5	680.4	663.8	650.5	638.7	625.6	613.1	603.5
10°	781.3	760.0	736.3	710.7	688.8	667.6	649.8	634.2	617.3	602.7	590.4
12.5°	819.7	788.2	755.5	724.4	698.5	669.1	647.6	627.7	608.6	590.9	577.2
15°	865.3	825.3	786.6	743.8	704.4	667.6	642.0	617.0	594.8	576.7	559.2
17.5°	906.7	861.4	810.4	758.4	710.9	667.2	631.4	603.2	575.4	553.3	535.8
20°	930.2	878.6	820.9	766.9	714.4	665.7	626.4	592.6	562.7	539.2	519.6
22.5°	950.5	890.1	830.4	772.7	714.2	661.7	617.2	582.4	549.9	527.0	506.1
25°	971.4	899.3	839.4	771.6	706.3	652.0	602.0	562.7	530.2	503.4	481.8
27.5°	989.4	898.7	827.5	754.6	694.0	639.5	586.2	544.0	509.5	480.3	458.4
30°	1001.4	899.9	815.3	743.1	682.0	625.7	573.9	531.5	495.2	465.5	445.0
32.5°	1008.9	899.2	804.0	727.2	663.0	613.3	560.7	516.7	479.5	450.4	430.5
35°	1013.3	893.6	784.7	694.1	632.3	583.9	539.9	494.3	455.3	428.1	405.6
37.5°	1004.5	882.2	762.2	662.3	594.6	547.0	509.9	471.1	433.7	403.8	384.4
40°	990.8	874.7	744.7	639.8	568.6	522.7	491.2	453.1	416.2	387.8	369.7
42.5°	964.6	859.4	725.5	614.8	541.6	495.7	466.7	434.9	400.0	373.3	355.2
45°	900.6	826.2	696.7	577.4	501.8	454.4	428.8	405.6	374.1	348.1	332.6
47.5°	811.7	776.3	654.9	537.9	460.2	414.6	387.9	369.3	346.3	325.4	310.4
50°	750.1	735.4	626.7	510.9	432.4	387.8	362.2	345.4	328.8	307.9	294.2
52.5°	678.8	687.9	593.7	482.9	404.2	360.4	336.2	322.9	307.9	290.7	278.7
55°	578.6	611.4	536.8	435.9	362.2	320.4	297.6	285.7	277.0	264.2	253.9
57.5°	484.8	526.4	475.2	387.5	320.9	284.9	263.0	250.1	244.4	237.7	229.7
60°	429.0	470.3	431.2	355.1	293.2	258.9	239.5	228.6	223.0	218.3	211.4
62.5°	379.4	421.0	388.2	322.0	266.0	234.2	217.3	206.6	202.2	199.7	193.9
65°	311.0	346.9	325.1	270.8	227.0	198.9	183.6	176.1	172.0	171.1	167.4
67.5°	253.2	280.5	264.6	224.5	190.1	165.8	152.9	146.5	143.4	143.1	140.2
70°	215.2	240.8	228.6	192.3	162.7	143.7	132.4	126.8	124.9	124.6	123.0
72.5°	185.6	203.5	193.9	163.6	140.7	123.4	115.1	109.3	107.1	107.6	106.6
75°	137.4	150.8	145.2	124.3	105.8	94.6	87.7	84.0	82.1	83.1	81.8
77.5°	98.9	107.4	102.3	87.8	76.5	68.3	63.3	61.0	59.3	59.2	58.6
80°	74.6	79.7	76.8	68.1	58.7	51.9	47.8	46.2	45.2	45.0	44.7
82.5°	53.2	57.4	54.1	48.1	41.7	37.6	35.3	33.3	32.5	32.7	32.4
85°	26.8	28.5	27.1	23.4	21.0	19.1	17.8	16.9	16.2	16.6	15.9
87.5°	11.4	11.3	10.3	9.0	8.2	7.2	6.8	6.1	5.9	6.1	6.2
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: P332126-930

CATALOG NUMBER: S123DIW-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: P332126-930

CATALOG NUMBER: S123DIW-S560D755U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	633.7	632.0	629.5	625.7	622.7	618.0	618.0	618.7	618.7	618.5	618.0
5°	614.5	609.8	604.2	597.7	590.8	583.9	582.7	580.2	578.3	577.1	575.5
7.5°	594.2	586.0	577.7	568.6	560.2	553.3	548.5	544.5	541.8	539.2	537.1
10°	580.5	570.1	560.5	550.8	540.2	531.7	526.4	522.7	519.9	517.4	516.2
12.5°	564.3	552.4	541.8	532.6	521.0	512.3	507.2	505.5	502.1	496.9	494.2
15°	540.5	529.6	516.8	502.7	497.1	486.5	480.5	477.8	475.9	471.8	470.6
17.5°	520.2	505.9	491.5	481.0	470.6	462.0	458.7	455.2	452.7	449.4	448.4
20°	504.0	491.2	478.1	466.8	455.9	446.5	443.7	441.2	438.7	437.2	435.9
22.5°	487.5	474.7	463.8	453.3	441.6	435.5	432.4	429.7	428.0	426.9	425.7
25°	464.3	453.1	440.9	431.5	422.2	418.1	416.2	414.7	413.4	411.9	411.6
27.5°	443.6	431.4	421.5	412.7	406.0	402.6	400.8	400.1	400.3	400.9	401.2
30°	428.1	416.9	408.7	401.2	395.0	391.9	391.6	391.6	392.8	393.1	393.8
32.5°	413.8	404.6	396.5	389.2	384.5	382.4	383.6	383.6	384.6	385.4	386.5
35°	393.1	385.0	378.8	372.5	368.4	369.4	370.0	370.6	372.2	374.1	375.4
37.5°	373.3	366.3	359.8	354.9	353.0	354.7	356.2	357.5	359.4	360.8	362.0
40°	359.1	353.8	347.6	343.2	343.8	344.7	346.0	347.6	349.1	350.0	351.3
42.5°	345.8	340.3	335.6	331.9	332.8	334.0	334.8	335.6	337.4	339.1	339.8
45°	325.7	321.3	316.9	314.8	315.4	316.0	316.7	317.6	319.1	320.4	320.7
47.5°	303.0	299.9	297.0	294.9	295.9	295.6	296.4	298.5	299.0	299.7	301.4
50°	288.5	285.7	282.3	281.7	281.7	281.7	281.9	284.5	284.5	285.7	287.0
52.5°	272.6	270.8	268.6	267.4	266.9	266.9	268.2	269.5	269.9	271.7	273.0
55°	248.8	247.0	245.2	244.2	243.5	244.2	246.7	247.3	248.8	249.8	250.7
57.5°	224.2	222.7	221.3	220.8	220.6	221.4	222.8	224.7	225.1	228.0	229.3
60°	208.0	205.8	204.6	204.6	203.9	206.7	206.1	209.2	209.9	211.7	213.9
62.5°	191.2	188.3	187.8	187.8	188.7	189.5	190.4	191.8	193.4	195.8	197.4
65°	164.3	162.7	164.9	164.5	164.0	165.8	165.8	167.4	169.3	171.5	174.9
67.5°	138.7	137.9	138.1	138.1	139.0	140.1	141.0	142.4	144.6	146.9	149.1
70°	121.5	122.4	120.8	122.1	123.0	123.4	123.9	125.8	128.3	129.9	132.4
72.5°	104.8	104.7	104.8	105.3	106.3	106.9	107.5	109.6	112.3	113.7	115.7
75°	80.6	80.2	81.2	81.2	82.8	83.4	84.0	85.0	87.4	89.3	90.9
77.5°	58.9	59.2	59.0	60.1	59.7	59.8	61.7	62.6	62.9	66.6	67.4
80°	44.4	45.0	45.2	45.6	45.9	45.2	47.5	48.4	48.4	50.5	52.2
82.5°	31.9	32.2	33.0	33.3	33.4	34.0	34.2	34.9	35.6	36.6	38.6
85°	15.9	16.9	17.2	16.9	17.2	16.6	17.4	17.8	18.1	18.1	18.1
87.5°	6.2	6.8	6.8	7.4	7.5	8.2	8.2	7.8	7.9	8.8	7.9
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: P332126-930

CATALOG NUMBER: S123DIW-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: P332126-930

CATALOG NUMBER: S123DIW-S560D755U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	616.3	616.0	617.8	616.5	617.8	616.0	616.3	618.0	618.5	618.7	618.7
5°	573.6	574.5	571.4	571.4	571.4	574.5	573.6	575.5	577.1	578.3	580.2
7.5°	535.7	534.3	534.4	532.7	534.4	534.3	535.7	537.1	539.2	541.8	544.5
10°	512.4	510.5	509.9	510.2	509.9	510.5	512.4	516.2	517.4	519.9	522.7
12.5°	493.2	492.8	488.7	488.8	488.7	492.8	493.2	494.2	496.9	502.1	505.5
15°	470.6	464.6	464.0	465.9	464.0	464.6	470.6	470.6	471.8	475.9	477.8
17.5°	447.9	444.7	445.0	444.0	445.0	444.7	447.9	448.4	449.4	452.7	455.2
20°	435.9	434.1	433.7	431.5	433.7	434.1	435.9	435.9	437.2	438.7	441.2
22.5°	424.9	424.3	424.4	422.1	424.4	424.3	424.9	425.7	426.9	428.0	429.7
25°	411.2	412.8	411.6	411.6	411.6	412.8	411.2	411.6	411.9	413.4	414.7
27.5°	402.0	401.9	401.3	401.3	401.3	401.9	402.0	401.2	400.9	400.3	400.1
30°	395.0	394.7	395.3	395.3	395.3	394.7	395.0	393.8	393.1	392.8	391.6
32.5°	388.0	388.4	388.6	388.8	388.6	388.4	388.0	386.5	385.4	384.6	383.6
35°	377.2	377.5	378.5	377.8	378.5	377.5	377.2	375.4	374.1	372.2	370.6
37.5°	362.6	364.0	363.7	364.2	363.7	364.0	362.6	362.0	360.8	359.4	357.5
40°	351.6	352.5	352.2	352.2	352.2	352.5	351.6	351.3	350.0	349.1	347.6
42.5°	340.4	341.0	340.2	339.7	340.2	341.0	340.4	339.8	339.1	337.4	335.6
45°	322.0	321.3	322.3	321.0	322.3	321.3	322.0	320.7	320.4	319.1	317.6
47.5°	301.3	302.0	302.2	303.1	302.2	302.0	301.3	301.4	299.7	299.0	298.5
50°	287.6	289.4	289.4	289.2	289.4	289.4	287.6	287.0	285.7	284.5	284.5
52.5°	274.1	275.0	276.2	276.1	276.2	275.0	274.1	273.0	271.7	269.9	269.5
55°	253.2	253.9	254.5	254.8	254.5	253.9	253.2	250.7	249.8	248.8	247.3
57.5°	231.6	231.4	232.8	233.3	232.8	231.4	231.6	229.3	228.0	225.1	224.7
60°	216.4	216.4	218.9	219.8	218.9	216.4	216.4	213.9	211.7	209.9	209.2
62.5°	200.2	201.1	203.7	202.4	203.7	201.1	200.2	197.4	195.8	193.4	191.8
65°	176.4	179.0	178.6	179.9	178.6	179.0	176.4	174.9	171.5	169.3	167.4
67.5°	151.6	153.2	155.5	155.6	155.5	153.2	151.6	149.1	146.9	144.6	142.4
70°	134.9	136.5	137.7	138.6	137.7	136.5	134.9	132.4	129.9	128.3	125.8
72.5°	118.6	119.4	122.5	121.2	122.5	119.4	118.6	115.7	113.7	112.3	109.6
75°	93.0	95.2	97.1	96.2	97.1	95.2	93.0	90.9	89.3	87.4	85.0
77.5°	68.8	71.0	71.9	71.1	71.9	71.0	68.8	67.4	66.6	62.9	62.6
80°	54.3	54.1	55.9	55.6	55.9	54.1	54.3	52.2	50.5	48.4	48.4
82.5°	39.9	39.5	40.4	40.6	40.4	39.5	39.9	38.6	36.6	35.6	34.9
85°	19.3	20.3	19.1	18.8	19.1	20.3	19.3	18.1	18.1	18.1	17.8
87.5°	7.9	8.0	7.8	7.6	7.8	8.0	7.9	7.9	8.8	7.9	7.8
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: P332126-930

CATALOG NUMBER: S123DIW-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: P332126-930

CATALOG NUMBER: S123DIW-S560D755U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	618.0	618.0	622.7	625.7	629.5	632.0	633.7	635.5	638.5	642.5	647.0
5°	582.7	583.9	590.8	597.7	604.2	609.8	614.5	620.1	627.0	635.4	644.8
7.5°	548.5	553.3	560.2	568.6	577.7	586.0	594.2	603.5	613.1	625.6	638.7
10°	526.4	531.7	540.2	550.8	560.5	570.1	580.5	590.4	602.7	617.3	634.2
12.5°	507.2	512.3	521.0	532.6	541.8	552.4	564.3	577.2	590.9	608.6	627.7
15°	480.5	486.5	497.1	502.7	516.8	529.6	540.5	559.2	576.7	594.8	617.0
17.5°	458.7	462.0	470.6	481.0	491.5	505.9	520.2	535.8	553.3	575.4	603.2
20°	443.7	446.5	455.9	466.8	478.1	491.2	504.0	519.6	539.2	562.7	592.6
22.5°	432.4	435.5	441.6	453.3	463.8	474.7	487.5	506.1	527.0	549.9	582.4
25°	416.2	418.1	422.2	431.5	440.9	453.1	464.3	481.8	503.4	530.2	562.7
27.5°	400.8	402.6	406.0	412.7	421.5	431.4	443.6	458.4	480.3	509.5	544.0
30°	391.6	391.9	395.0	401.2	408.7	416.9	428.1	445.0	465.5	495.2	531.5
32.5°	383.6	382.4	384.5	389.2	396.5	404.6	413.8	430.5	450.4	479.5	516.7
35°	370.0	369.4	368.4	372.5	378.8	385.0	393.1	405.6	428.1	455.3	494.3
37.5°	356.2	354.7	353.0	354.9	359.8	366.3	373.3	384.4	403.8	433.7	471.1
40°	346.0	344.7	343.8	343.2	347.6	353.8	359.1	369.7	387.8	416.2	453.1
42.5°	334.8	334.0	332.8	331.9	335.6	340.3	345.8	355.2	373.3	400.0	434.9
45°	316.7	316.0	315.4	314.8	316.9	321.3	325.7	332.6	348.1	374.1	405.6
47.5°	296.4	295.6	295.9	294.9	297.0	299.9	303.0	310.4	325.4	346.3	369.3
50°	281.9	281.7	281.7	281.7	282.3	285.7	288.5	294.2	307.9	328.8	345.4
52.5°	268.2	266.9	266.9	267.4	268.6	270.8	272.6	278.7	290.7	307.9	322.9
55°	246.7	244.2	243.5	244.2	245.2	247.0	248.8	253.9	264.2	277.0	285.7
57.5°	222.8	221.4	220.6	220.8	221.3	222.7	224.2	229.7	237.7	244.4	250.1
60°	206.1	206.7	203.9	204.6	204.6	205.8	208.0	211.4	218.3	223.0	228.6
62.5°	190.4	189.5	188.7	187.8	187.8	188.3	191.2	193.9	199.7	202.2	206.6
65°	165.8	165.8	164.0	164.5	164.9	162.7	164.3	167.4	171.1	172.0	176.1
67.5°	141.0	140.1	139.0	138.1	138.1	137.9	138.7	140.2	143.1	143.4	146.5
70°	123.9	123.4	123.0	122.1	120.8	122.4	121.5	123.0	124.6	124.9	126.8
72.5°	107.5	106.9	106.3	105.3	104.8	104.7	104.8	106.6	107.6	107.1	109.3
75°	84.0	83.4	82.8	81.2	81.2	80.2	80.6	81.8	83.1	82.1	84.0
77.5°	61.7	59.8	59.7	60.1	59.0	59.2	58.9	58.6	59.2	59.3	61.0
80°	47.5	45.2	45.9	45.6	45.2	45.0	44.4	44.7	45.0	45.2	46.2
82.5°	34.2	34.0	33.4	33.3	33.0	32.2	31.9	32.4	32.7	32.5	33.3
85°	17.4	16.6	17.2	16.9	17.2	16.9	15.9	15.9	16.6	16.2	16.9
87.5°	8.2	8.2	7.5	7.4	6.8	6.8	6.2	6.2	6.1	5.9	6.1
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: P332126-930

CATALOG NUMBER: S123DIW-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: P332126-930

CATALOG NUMBER: S123DIW-S560D755U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	648.5	649.7	654.0	657.0	660.5	662.5	664.5	666.0	668.0	668.5	675.7
5°	651.3	657.6	668.5	676.6	686.6	697.6	705.1	708.5	717.5	725.0	740.0
7.5°	650.5	663.8	680.4	697.5	715.8	732.8	747.5	765.0	777.5	796.1	814.6
10°	649.8	667.6	688.8	710.7	736.3	760.0	781.3	805.0	824.7	850.6	872.8
12.5°	647.6	669.1	698.5	724.4	755.5	788.2	819.7	850.2	867.6	910.8	931.2
15°	642.0	667.6	704.4	743.8	786.6	825.3	865.3	897.1	948.6	986.4	1010.5
17.5°	631.4	667.2	710.9	758.4	810.4	861.4	906.7	955.0	1009.7	1055.4	1104.2
20°	626.4	665.7	714.4	766.9	820.9	878.6	930.2	988.3	1047.9	1092.9	1155.4
22.5°	617.2	661.7	714.2	772.7	830.4	890.1	950.5	1009.0	1077.9	1139.9	1199.3
25°	602.0	652.0	706.3	771.6	839.4	899.3	971.4	1049.2	1121.0	1200.6	1260.0
27.5°	586.2	639.5	694.0	754.6	827.5	898.7	989.4	1077.3	1165.1	1233.9	1277.7
30°	573.9	625.7	682.0	743.1	815.3	899.9	1001.4	1097.2	1182.8	1241.9	1266.5
32.5°	560.7	613.3	663.0	727.2	804.0	899.2	1008.9	1109.0	1183.8	1223.1	1218.3
35°	539.9	583.9	632.3	694.1	784.7	893.6	1013.3	1110.0	1155.9	1147.5	1083.9
37.5°	509.9	547.0	594.6	662.3	762.2	882.2	1004.5	1077.2	1074.2	1005.5	913.2
40°	491.2	522.7	568.6	639.8	744.7	874.7	990.8	1038.0	998.0	902.1	791.6
42.5°	466.7	495.7	541.6	614.8	725.5	859.4	964.6	978.2	900.0	789.7	688.4
45°	428.8	454.4	501.8	577.4	696.7	826.2	900.6	867.2	761.9	647.9	570.8
47.5°	387.9	414.6	460.2	537.9	654.9	776.3	811.7	740.7	632.6	540.2	469.4
50°	362.2	387.8	432.4	510.9	626.7	735.4	750.1	658.3	559.0	477.8	419.6
52.5°	336.2	360.4	404.2	482.9	593.7	687.9	678.8	585.3	494.0	424.8	379.2
55°	297.6	320.4	362.2	435.9	536.8	611.4	578.6	489.3	413.8	360.0	325.4
57.5°	263.0	284.9	320.9	387.5	475.2	526.4	484.8	409.5	349.4	308.1	282.3
60°	239.5	258.9	293.2	355.1	431.2	470.3	429.0	362.6	311.9	278.8	255.8
62.5°	217.3	234.2	266.0	322.0	388.2	421.0	379.4	323.0	280.0	250.6	231.0
65°	183.6	198.9	227.0	270.8	325.1	346.9	311.0	265.4	232.0	210.2	197.1
67.5°	152.9	165.8	190.1	224.5	264.6	280.5	253.2	217.8	192.7	175.1	164.7
70°	132.4	143.7	162.7	192.3	228.6	240.8	215.2	186.1	167.7	153.6	144.0
72.5°	115.1	123.4	140.7	163.6	193.9	203.5	185.6	160.1	142.9	132.4	124.7
75°	87.7	94.6	105.8	124.3	145.2	150.8	137.4	121.5	109.9	102.4	96.4
77.5°	63.3	68.3	76.5	87.8	102.3	107.4	98.9	88.2	79.8	74.8	71.4
80°	47.8	51.9	58.7	68.1	76.8	79.7	74.6	66.5	60.6	57.8	55.0
82.5°	35.3	37.6	41.7	48.1	54.1	57.4	53.2	48.3	45.1	42.6	41.5
85°	17.8	19.1	21.0	23.4	27.1	28.5	26.8	25.6	23.7	22.2	22.2
87.5°	6.8	7.2	8.2	9.0	10.3	11.3	11.4	11.3	11.3	11.3	11.1
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: P332126-930

CATALOG NUMBER: S123DIW-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°	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	678.2	678.5	681.2	683.2	682.2	683.5	684.0
5°	740.9	752.2	758.1	762.5	762.9	763.1	765.6
7.5°	830.0	842.0	850.8	864.2	868.2	872.8	871.5
10°	895.0	912.7	928.1	936.1	944.9	957.7	947.4
12.5°	955.6	987.2	1010.5	1023.0	1031.4	1033.9	1028.8
15°	1055.7	1097.0	1119.2	1118.5	1146.6	1158.8	1139.7
17.5°	1147.5	1185.6	1216.0	1231.7	1255.1	1260.3	1257.9
20°	1203.7	1245.3	1269.0	1295.8	1308.1	1319.0	1320.9
22.5°	1252.2	1289.5	1315.0	1337.3	1347.5	1352.7	1355.8
25°	1302.1	1331.5	1346.8	1354.5	1357.4	1356.7	1352.7
27.5°	1298.7	1300.9	1284.1	1267.5	1252.7	1236.0	1230.3
30°	1264.9	1238.7	1191.9	1165.3	1126.3	1095.4	1107.9
32.5°	1176.2	1124.1	1071.5	1013.4	965.4	951.8	938.0
35°	1003.9	912.1	858.4	796.0	770.9	746.0	728.8
37.5°	812.2	741.2	677.4	636.6	611.6	595.8	587.3
40°	702.3	638.2	585.8	552.7	533.6	515.8	513.3
42.5°	614.6	555.1	515.6	489.3	470.9	463.4	457.9
45°	503.4	461.8	435.3	416.5	404.4	399.7	393.5
47.5°	426.1	396.7	376.7	364.0	354.8	351.3	350.8
50°	382.9	358.5	343.8	333.8	326.6	325.4	320.4
52.5°	350.3	329.2	317.8	309.1	303.9	300.4	298.9
55°	304.1	290.1	279.8	274.8	270.8	267.3	267.3
57.5°	266.1	254.4	247.5	243.3	242.1	239.6	238.1
60°	242.6	232.6	227.3	223.6	221.1	221.4	218.6
62.5°	219.6	213.1	208.1	204.3	201.4	201.4	201.6
65°	187.0	182.1	178.3	177.1	175.2	173.0	173.6
67.5°	158.5	153.8	150.9	148.8	148.1	146.9	148.8
70°	138.0	134.6	132.4	130.5	129.9	130.2	131.8
72.5°	119.3	116.8	115.4	114.5	113.2	113.2	114.3
75°	93.7	91.8	90.6	89.6	89.3	89.3	89.3
77.5°	68.8	68.4	67.8	66.4	66.5	66.9	66.9
80°	54.3	53.4	53.1	52.4	51.5	50.9	52.4
82.5°	40.6	39.6	39.4	39.2	37.7	37.7	39.0
85°	21.9	21.0	21.2	21.0	21.0	20.6	20.6
87.5°	10.9	10.8	10.6	10.9	10.8	10.5	11.1
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)