

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: P333376-830

Luminaire Tested: **S125DIW-S610D770U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333376-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S610D770U830-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 770 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

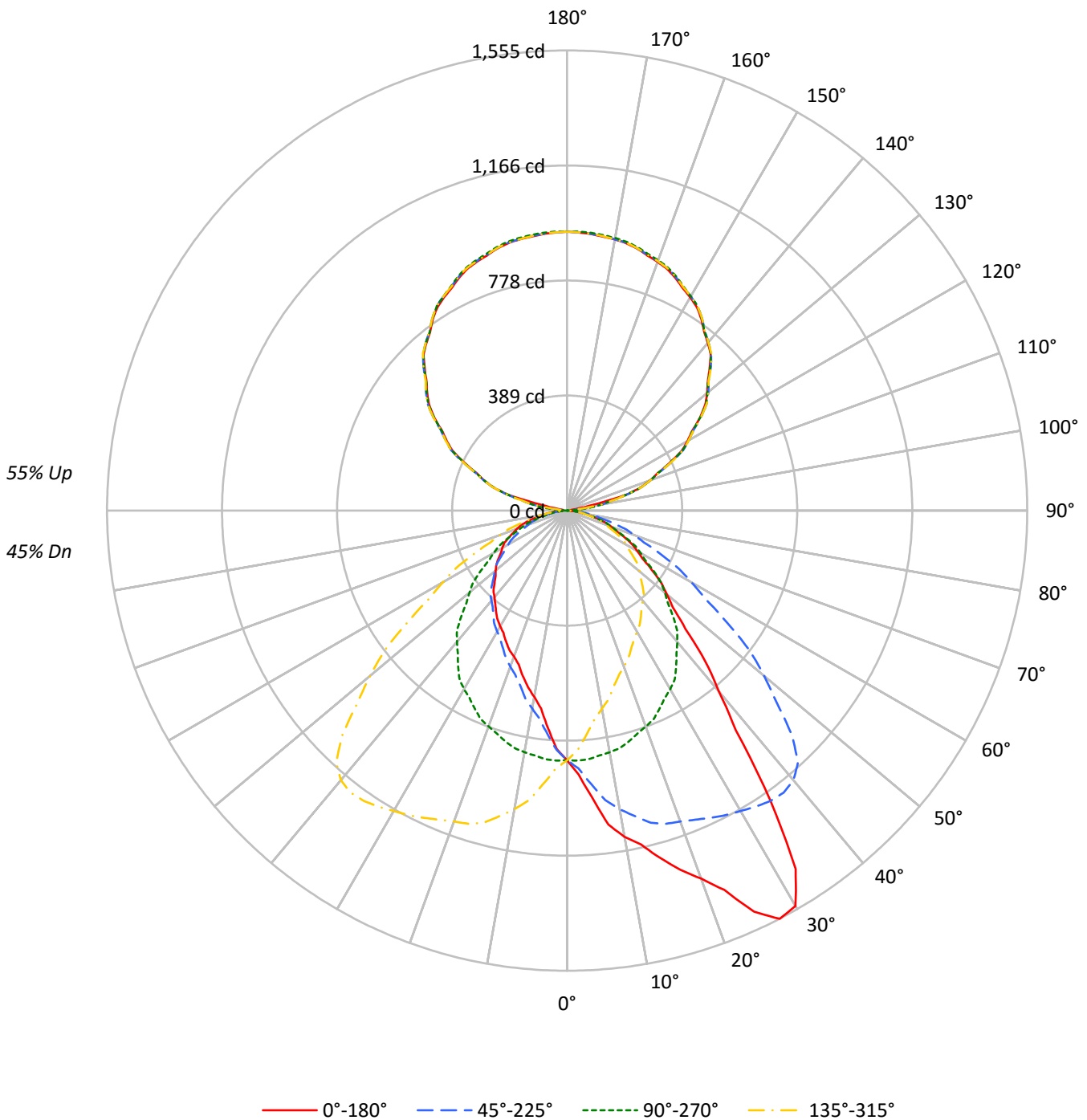
Lumens per Lamp: N/A  
Luminaire Lumens: 5275.5 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 37.6  
Input Voltage (V): 120  
Input Current (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	81	81	81	66	66	66	52	52	52	45
1	97	93	89	85	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	88	81	75	70	81	75	69	65	62	59	55	51	48	46	41	39	37	33
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	63	56	50	67	58	52	46	49	44	40	40	37	34	32	30	28	24
5	68	56	48	43	62	52	45	40	44	39	34	36	32	29	29	26	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	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	28	49	38	32	27	33	27	23	27	23	20	22	19	17	15
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	28	22	19	23	19	16	19	16	14	12

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

	0°	90°	180°	270°
0°	5448	5448	5448	5448
5°	6309	5466	4786	5466
10°	7340	5438	4194	5438
15°	8125	5398	3869	5398
20°	9095	5335	3608	5335
25°	10655	5264	3480	5264
30°	11508	5193	3370	5193
35°	9462	5062	3297	5062
40°	6726	4878	3217	4878
45°	5167	4631	3172	4631
50°	4410	4324	3166	4324
55°	3926	4023	3193	4023
60°	3543	3695	3274	3695
65°	3272	3365	3359	3365
70°	2974	3021	3408	3021
75°	2628	2662	3376	2662
80°	2213	2168	3087	2168
85°	1756	1564	2490	1564



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.2	1.5
10°-20°	241.8	4.6
20°-30°	392.6	7.4
30°-40°	478.9	9.1
40°-50°	435.7	8.3
50°-60°	347.0	6.6
60°-70°	241.7	4.6
70°-80°	128.9	2.4
80°-90°	34.5	0.7
90°-100°	34.2	0.6
100°-110°	211.0	4.0
110°-120°	382.7	7.3
120°-130°	491.1	9.3
130°-140°	528.2	10.0
140°-150°	495.8	9.4
150°-160°	401.1	7.6
160°-170°	259.4	4.9
170°-180°	89.5	1.7
0°-30°	715.6	13.6
0°-40°	1194.5	22.6
0°-60°	1977.3	37.5
0°-90°	2382.3	45.2
90°-120°	627.9	11.9
90°-150°	2143.1	40.6
90°-180°	2893.0	54.8
0°-180°	5275.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	844	844	844	844	844	
5°	973	843	738	843	973	98
15°	1215	807	579	807	1215	348
25°	1495	739	488	739	1495	683
35°	1200	642	418	642	1200	735
45°	566	507	347	507	566	453
55°	349	357	284	357	349	314
65°	214	220	220	220	214	212
75°	105	107	135	107	105	113
85°	24	21	34	21	24	28
90°	17	1	17	1	17	8
95°	15	40	15	40	15	12
105°	208	205	208	205	208	188
115°	383	386	383	386	383	380
125°	548	548	548	548	548	488
135°	681	684	681	684	681	525
145°	791	793	791	793	791	494
155°	867	873	867	873	867	399
165°	916	921	916	921	916	259
175°	938	942	938	942	938	89
180°	942	942	942	942	942	



TEST NUMBER: P333376-830

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	892.3	891.1	889.9	887.7	889.4	884.5	882.2	878.3	873.4	871.7	869.6
5°	973.2	975.0	976.8	969.2	970.0	965.0	953.5	944.1	936.7	927.0	920.2
7.5°	1070.5	1066.3	1066.0	1061.1	1052.7	1046.0	1034.0	1018.6	1003.8	986.9	973.0
10°	1119.3	1119.6	1116.4	1110.7	1101.7	1095.2	1079.5	1064.5	1046.2	1024.7	1009.4
12.5°	1155.9	1157.4	1153.4	1145.7	1141.2	1126.8	1114.5	1096.6	1074.9	1057.7	1034.3
15°	1215.2	1211.3	1208.4	1198.7	1191.2	1176.2	1156.5	1137.8	1114.3	1092.4	1070.5
17.5°	1272.3	1275.5	1270.2	1261.3	1238.0	1220.4	1194.0	1168.6	1139.1	1109.8	1083.7
20°	1323.3	1326.3	1318.0	1302.6	1274.7	1257.1	1222.4	1189.4	1155.5	1117.9	1089.2
22.5°	1387.0	1384.7	1373.6	1350.1	1326.0	1293.5	1255.9	1215.8	1173.2	1130.7	1092.6
25°	1495.2	1480.2	1473.4	1444.4	1412.5	1364.9	1313.3	1254.6	1201.6	1145.4	1096.7
27.5°	1555.2	1550.5	1542.9	1522.7	1489.2	1438.3	1377.5	1306.0	1231.1	1160.3	1096.5
30°	1543.2	1543.9	1544.6	1538.1	1516.7	1478.4	1417.9	1340.9	1252.1	1172.2	1098.5
32.5°	1436.6	1449.6	1462.2	1476.9	1482.9	1475.6	1437.7	1368.1	1276.8	1186.0	1097.3
35°	1200.1	1204.1	1244.6	1284.7	1339.1	1381.4	1409.7	1378.8	1301.8	1197.7	1096.0
37.5°	935.8	955.2	983.2	1028.5	1107.0	1177.3	1267.8	1309.4	1284.5	1201.5	1093.4
40°	797.8	815.7	833.9	880.1	946.3	1031.5	1134.3	1222.0	1242.5	1189.4	1084.9
42.5°	691.2	705.4	725.7	760.3	815.7	891.2	989.4	1104.0	1174.5	1154.5	1066.9
45°	565.7	574.7	590.4	618.0	658.1	717.2	803.8	929.2	1038.3	1074.5	1024.0
47.5°	484.2	484.2	496.4	515.5	544.4	594.6	658.6	756.9	873.5	959.8	955.7
50°	438.9	437.2	446.9	463.4	486.3	519.5	580.8	659.2	771.3	869.0	896.2
52.5°	400.0	400.2	406.1	418.3	437.5	466.0	511.7	582.4	678.2	778.4	829.7
55°	348.7	347.3	354.1	362.3	376.4	394.9	427.9	481.9	559.6	658.5	725.0
57.5°	301.8	305.7	308.4	314.1	325.7	338.2	366.0	405.7	467.3	552.1	622.5
60°	274.3	278.2	280.3	286.1	295.4	306.1	327.6	359.9	411.8	484.8	554.6
62.5°	249.6	252.7	253.4	258.5	266.2	276.6	293.5	320.6	361.7	425.5	493.9
65°	214.1	214.1	215.6	220.9	224.5	233.8	246.7	266.4	299.4	349.1	407.5
67.5°	179.8	181.6	181.3	183.6	186.9	194.2	203.4	219.6	244.0	280.3	327.1
70°	157.5	159.0	158.6	160.4	164.0	168.6	176.2	191.5	209.1	240.3	280.3
72.5°	137.5	138.1	137.1	139.5	141.7	145.7	154.1	162.3	178.7	205.0	238.0
75°	105.3	105.9	106.7	108.1	110.3	112.4	116.7	125.0	135.7	155.4	176.5
77.5°	78.9	77.6	79.3	79.1	80.3	81.9	85.7	90.1	98.9	111.3	127.7
80°	59.5	59.8	59.8	60.1	61.9	63.1	66.3	69.5	76.3	85.6	97.0
82.5°	43.4	44.3	43.7	44.4	45.9	46.7	48.4	51.1	55.0	62.4	70.7
85°	23.7	21.9	22.5	23.3	23.3	23.7	25.1	26.1	28.3	31.1	34.4
87.5°	10.3	10.7	10.9	10.8	11.0	10.8	11.9	11.7	12.4	13.1	14.0
90°	16.8	16.3	15.8	15.4	14.9	14.2	13.5	12.7	12.0	11.2	10.1
92.5°	15.6	15.5	15.2	15.0	14.8	14.2	13.5	12.7	12.0	11.2	10.2
95°	14.7	14.7	14.7	14.7	14.7	14.2	13.5	12.7	12.0	11.2	17.1
97.5°	14.7	14.7	14.7	14.7	14.7	16.9	21.2	25.6	30.0	34.4	46.0
100°	14.7	15.3	15.9	16.5	17.2	29.0	52.1	75.3	98.4	121.5	120.9
102.5°	87.8	98.4	109.0	119.5	130.1	137.5	141.9	146.3	150.7	155.0	154.7
105°	207.5	207.5	207.7	207.9	208.0	208.1	208.1	208.1	208.1	208.1	208.1
107.5°	261.5	261.9	262.4	262.9	263.3	263.5	263.5	263.5	263.4	263.4	263.2
110°	298.9	298.8	298.6	298.4	298.3	298.4	298.9	299.4	299.8	300.3	300.0



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	332.4	332.6	332.9	333.1	333.3	333.7	334.3	334.9	335.5	336.1	335.9
115°	382.7	383.6	384.6	385.5	386.4	387.2	387.9	388.4	389.1	389.7	389.6
117.5°	436.4	436.8	437.2	437.5	438.0	438.6	439.4	440.2	441.0	441.8	441.2
120°	469.3	470.1	470.9	471.6	472.4	473.0	473.3	473.6	473.9	474.2	473.7
122.5°	500.6	501.5	502.4	503.3	504.2	504.8	505.1	505.4	505.8	506.1	505.9
125°	548.3	548.7	549.1	549.6	550.1	550.6	551.3	551.9	552.5	553.1	553.1
127.5°	588.3	589.5	590.6	591.7	593.0	593.7	594.0	594.4	594.7	595.0	595.1
130°	617.4	618.1	619.0	619.7	620.5	621.1	621.6	622.1	622.5	622.9	622.8
132.5°	644.2	645.0	645.7	646.5	647.3	647.7	647.8	647.9	648.0	648.1	648.5
135°	680.9	681.8	682.8	683.7	684.7	685.3	685.6	685.9	686.2	686.5	686.8
137.5°	717.8	718.6	719.4	720.2	721.0	721.4	721.3	721.3	721.2	721.1	721.4
140°	739.6	740.6	741.5	742.3	743.3	743.7	743.3	743.0	742.7	742.3	742.5
142.5°	760.3	761.2	762.1	763.1	764.0	764.4	764.4	764.3	764.2	764.2	763.9
145°	790.6	791.5	792.4	793.3	794.3	794.7	794.6	794.4	794.2	794.1	794.1
147.5°	815.6	816.7	817.8	819.0	820.0	820.5	820.3	820.1	819.9	819.7	819.5
150°	831.8	833.0	834.2	835.5	836.8	837.3	836.9	836.6	836.3	835.9	835.7
152.5°	846.9	848.0	849.1	850.2	851.3	851.8	851.4	851.1	850.8	850.5	850.2
155°	866.7	868.0	869.2	870.4	871.7	872.0	871.6	871.1	870.6	870.2	869.9
157.5°	883.4	884.6	885.8	887.0	888.3	888.6	888.2	887.7	887.2	886.6	886.6
160°	893.9	895.2	896.5	897.7	898.9	899.2	898.6	898.0	897.4	896.7	896.5
162.5°	903.4	904.8	906.2	907.6	908.9	909.2	908.2	907.4	906.5	905.7	905.5
165°	916.2	917.6	918.8	920.0	921.2	921.4	920.5	919.5	918.6	917.7	917.6
167.5°	925.2	926.6	928.0	929.4	930.9	930.9	929.8	928.7	927.6	926.5	926.3
170°	930.3	931.6	933.0	934.4	935.9	935.9	934.7	933.4	932.2	930.9	930.8
172.5°	933.6	935.0	936.4	937.8	939.1	939.3	938.2	937.1	935.9	934.9	934.6
175°	937.9	939.3	940.8	942.2	943.5	943.6	942.4	941.1	939.9	938.7	938.5
177.5°	940.5	941.4	942.4	943.4	944.4	944.5	943.6	942.7	941.9	941.0	940.8
180°	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	867.9	865.9	863.7	859.6	854.7	852.2	848.2	845.6	840.4	836.1	831.5
5°	911.9	902.7	894.1	883.0	870.8	862.9	853.6	843.2	832.5	821.3	809.2
7.5°	957.5	941.1	923.2	903.9	885.1	867.8	851.2	835.0	819.8	801.4	785.9
10°	988.3	967.4	945.3	919.1	893.7	871.5	848.9	829.2	809.2	787.7	768.7
12.5°	1018.9	991.2	959.9	931.1	900.6	873.8	847.3	822.1	796.9	773.1	751.0
15°	1040.5	1016.2	987.1	946.3	911.9	875.1	840.0	807.4	776.9	750.5	722.6
17.5°	1054.7	1023.4	992.2	953.1	908.0	866.8	827.0	789.8	755.4	721.8	694.9
20°	1057.3	1025.1	992.5	954.2	908.0	860.7	821.0	776.3	739.3	704.6	671.7
22.5°	1056.5	1019.9	984.5	945.0	900.0	856.5	808.4	762.8	722.7	688.6	654.2
25°	1048.4	1009.4	965.0	925.2	880.8	834.6	785.9	738.7	697.9	658.8	624.8
27.5°	1041.6	991.0	940.8	894.4	851.5	809.2	762.6	714.2	668.9	629.3	597.3
30°	1033.3	977.8	921.2	872.9	828.9	787.7	743.7	696.4	649.1	610.5	576.1
32.5°	1025.9	961.2	901.5	848.9	802.3	762.2	721.6	676.7	630.3	591.0	556.7
35°	1011.5	936.7	868.3	808.8	759.0	717.9	683.9	642.0	599.4	561.4	528.5
37.5°	993.3	904.5	831.0	768.7	714.2	670.8	639.1	607.0	566.1	529.5	499.7
40°	978.9	881.6	803.8	740.1	683.5	638.4	609.1	578.6	544.6	510.6	479.1
42.5°	960.8	860.9	776.3	707.8	651.8	607.8	576.9	551.1	521.1	489.4	460.1
45°	927.7	823.5	731.9	658.1	601.5	558.2	526.3	507.0	484.5	454.4	429.7
47.5°	878.9	778.6	683.8	607.7	549.3	509.2	479.3	460.7	444.9	422.5	400.1
50°	835.7	745.1	649.1	573.6	515.2	474.8	447.2	430.4	416.8	399.5	380.6
52.5°	787.3	702.9	615.1	540.4	482.6	442.7	415.7	400.9	389.6	377.2	358.5
55°	710.4	638.8	557.1	486.3	432.9	393.9	370.2	357.3	348.0	338.7	327.3
57.5°	625.7	569.7	497.3	432.5	383.4	347.9	325.8	313.3	306.0	301.2	294.5
60°	566.1	518.1	455.8	396.7	348.7	317.3	295.8	286.1	280.0	276.1	271.1
62.5°	510.8	471.4	413.7	359.8	317.8	288.0	268.8	259.5	253.6	251.8	247.5
65°	429.3	398.9	351.3	306.5	270.7	245.2	229.1	220.2	216.6	214.4	214.8
67.5°	349.0	330.5	292.3	254.1	225.5	204.2	191.2	184.4	182.6	179.7	179.6
70°	300.0	286.1	253.8	220.6	195.1	178.7	167.2	160.0	158.3	156.8	156.5
72.5°	256.7	244.6	216.6	189.9	167.1	152.6	143.2	138.8	135.9	135.1	135.0
75°	193.0	186.2	164.0	142.9	127.1	117.1	110.7	106.7	104.5	104.2	104.5
77.5°	137.2	131.3	117.2	102.2	92.3	84.6	79.2	77.9	75.4	75.5	75.1
80°	103.1	99.2	90.2	78.4	70.2	63.7	60.9	58.3	57.7	56.6	57.7
82.5°	74.7	70.5	64.5	56.9	50.1	46.3	43.4	42.6	42.1	41.7	41.8
85°	36.9	37.2	33.6	27.9	25.1	22.9	21.1	21.1	20.7	20.5	20.7
87.5°	14.4	13.6	12.3	11.1	9.5	8.4	7.8	7.9	7.3	7.3	7.7
90°	9.0	7.9	6.8	5.7	4.4	3.2	2.0	0.7	2.0	3.2	4.4
92.5°	9.2	8.3	7.4	7.3	8.1	9.0	9.9	10.7	9.9	9.0	8.1
95°	23.0	28.8	34.8	38.0	38.5	38.8	39.3	39.8	39.3	38.8	38.5
97.5°	57.7	69.4	81.1	86.4	85.6	84.8	84.0	83.1	84.0	84.8	85.6
100°	120.3	119.7	119.0	118.5	118.0	117.5	117.1	116.6	117.1	117.5	118.0
102.5°	154.3	153.9	153.5	153.1	152.5	151.9	151.3	150.7	151.3	151.9	152.5
105°	208.1	208.1	208.1	207.8	207.2	206.6	205.9	205.3	205.9	206.6	207.2
107.5°	262.8	262.5	262.2	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
110°	299.7	299.4	299.1	298.9	298.9	298.9	298.9	298.9	298.9	298.9	298.9





TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	335.7	335.5	335.4	335.1	334.7	334.3	333.9	333.6	333.9	334.3	334.7
115°	389.4	389.3	389.1	388.6	387.9	387.1	386.3	385.5	386.3	387.1	387.9
117.5°	440.6	440.1	439.4	439.1	439.2	439.2	439.2	439.3	439.2	439.2	439.2
120°	473.3	472.8	472.3	472.2	472.3	472.5	472.7	472.8	472.7	472.5	472.3
122.5°	505.6	505.4	505.2	504.8	504.2	503.6	503.0	502.4	503.0	503.6	504.2
125°	553.1	553.1	553.1	552.6	551.5	550.4	549.3	548.3	549.3	550.4	551.5
127.5°	595.2	595.3	595.4	595.0	594.3	593.5	592.8	591.9	592.8	593.5	594.3
130°	622.6	622.5	622.4	621.9	621.1	620.3	619.5	618.8	619.5	620.3	621.1
132.5°	648.8	649.1	649.5	649.2	648.3	647.4	646.5	645.5	646.5	647.4	648.3
135°	687.1	687.5	687.8	687.5	686.5	685.6	684.7	683.7	684.7	685.6	686.5
137.5°	721.7	722.0	722.3	722.0	721.2	720.4	719.6	718.8	719.6	720.4	721.2
140°	742.7	742.8	743.0	742.9	742.6	742.3	742.0	741.7	742.0	742.3	742.6
142.5°	763.7	763.6	763.3	763.1	762.9	762.7	762.5	762.3	762.5	762.7	762.9
145°	794.1	794.1	794.1	793.9	793.6	793.3	793.0	792.7	793.0	793.3	793.6
147.5°	819.4	819.3	819.1	819.0	819.1	819.1	819.2	819.3	819.2	819.1	819.1
150°	835.4	835.0	834.7	834.7	835.0	835.4	835.7	835.9	835.7	835.4	835.0
152.5°	849.9	849.6	849.2	849.4	850.2	850.8	851.5	852.2	851.5	850.8	850.2
155°	869.6	869.3	868.9	869.3	870.2	871.1	872.0	873.0	872.0	871.1	870.2
157.5°	886.6	886.6	886.6	886.8	887.4	888.0	888.5	889.0	888.5	888.0	887.4
160°	896.5	896.3	896.1	896.5	897.4	898.3	899.3	900.2	899.3	898.3	897.4
162.5°	905.4	905.2	905.0	905.4	906.3	907.3	908.2	909.2	908.2	907.3	906.3
165°	917.4	917.2	917.1	917.5	918.4	919.4	920.2	921.1	920.2	919.4	918.4
167.5°	926.1	926.0	925.9	926.2	927.3	928.2	929.2	930.1	929.2	928.2	927.3
170°	930.7	930.5	930.3	930.8	931.9	932.9	934.1	935.2	934.1	932.9	931.9
172.5°	934.3	934.1	933.8	934.2	935.2	936.3	937.5	938.5	937.5	936.3	935.2
175°	938.3	938.2	938.0	938.4	939.3	940.3	941.2	942.2	941.2	940.3	939.3
177.5°	940.8	940.7	940.5	940.8	941.6	942.4	943.0	943.8	943.0	942.4	941.6
180°	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	829.0	825.8	823.2	817.5	814.4	810.0	806.6	810.3	806.3	808.0	805.5
5°	803.1	793.1	785.9	775.5	766.6	758.4	752.2	751.2	748.3	746.9	742.6
7.5°	772.0	759.5	747.2	733.6	722.1	710.5	702.9	696.8	692.8	687.4	683.7
10°	753.7	736.9	722.6	706.1	691.7	679.2	669.2	664.2	659.5	652.7	650.3
12.5°	731.0	713.7	696.2	678.5	664.9	650.8	642.2	634.7	631.5	623.8	623.0
15°	703.9	677.8	660.6	642.7	623.7	612.3	605.1	596.9	593.3	588.0	584.0
17.5°	671.6	648.2	626.7	608.2	591.9	582.3	573.3	567.7	561.6	558.1	551.6
20°	648.1	625.8	604.4	584.7	572.1	561.1	553.9	548.6	542.1	540.3	533.9
22.5°	628.3	603.8	583.2	566.7	553.0	540.5	532.7	529.0	524.6	519.1	517.8
25°	596.2	570.7	553.2	536.7	524.5	513.1	507.7	503.0	498.8	494.8	493.4
27.5°	568.4	545.6	524.8	509.9	499.4	488.9	484.2	478.5	475.3	472.2	468.3
30°	548.9	525.7	507.4	493.0	481.5	472.3	467.2	463.4	460.4	457.6	455.4
32.5°	528.9	507.3	489.6	475.6	464.1	457.1	452.6	449.9	446.7	443.3	440.5
35°	502.4	478.7	461.6	449.3	440.4	435.0	430.0	427.5	424.0	424.0	421.0
37.5°	472.5	452.0	436.9	425.7	417.7	412.9	407.6	405.9	403.5	402.0	401.1
40°	454.7	435.7	421.4	410.3	401.7	397.8	393.5	390.6	389.2	387.4	386.7
42.5°	436.4	418.3	404.5	394.3	386.8	383.4	379.5	377.5	374.6	372.2	371.8
45°	408.5	391.0	378.4	370.2	363.8	359.9	357.3	353.1	351.6	348.7	348.4
47.5°	382.1	365.2	353.0	346.2	340.5	337.3	333.4	329.1	327.4	326.0	325.9
50°	362.3	346.9	335.5	329.0	323.7	319.1	315.1	312.3	311.1	311.1	311.9
52.5°	342.3	329.2	319.4	311.6	306.5	301.5	297.9	296.1	294.5	296.2	297.6
55°	312.9	299.7	292.6	285.0	280.0	274.3	272.5	271.7	270.7	273.5	274.9
57.5°	281.8	272.6	264.2	256.7	252.2	248.9	246.5	246.1	248.1	249.4	254.1
60°	262.1	251.4	243.8	238.1	232.7	230.5	229.9	229.1	230.5	234.5	240.6
62.5°	240.3	231.6	223.5	219.2	215.3	211.7	211.5	212.0	214.8	219.3	225.5
65°	208.4	200.9	195.5	190.5	187.3	185.1	185.9	187.3	190.5	196.6	203.4
67.5°	176.0	170.8	166.0	161.9	158.8	158.8	159.6	161.7	165.5	172.5	178.7
70°	155.0	149.3	145.3	143.5	141.1	139.7	141.8	145.3	148.5	155.0	160.4
72.5°	134.1	129.2	126.2	125.0	123.9	122.7	123.5	127.3	131.7	138.2	144.4
75°	103.1	101.3	99.2	97.7	96.7	97.4	98.1	101.7	105.3	112.1	119.2
77.5°	75.3	73.4	72.1	71.7	71.2	71.5	73.5	76.2	79.7	84.6	90.1
80°	56.9	56.2	55.5	55.1	55.1	55.5	58.3	60.1	63.3	68.1	72.3
82.5°	41.5	41.0	40.9	40.8	41.1	41.2	42.9	45.2	47.9	51.5	55.1
85°	21.9	21.1	22.2	22.5	21.9	22.9	23.7	25.1	26.1	27.9	29.7
87.5°	8.3	9.1	9.0	9.5	9.7	10.6	10.4	11.7	12.4	13.2	13.0
90°	5.7	6.8	7.9	9.0	10.1	11.2	12.0	12.7	13.5	14.2	14.9
92.5°	7.3	7.4	8.3	9.2	10.2	11.2	12.0	12.7	13.5	14.2	14.8
95°	38.0	34.8	28.8	23.0	17.1	11.2	12.0	12.7	13.5	14.2	14.7
97.5°	86.4	81.1	69.4	57.7	46.0	34.4	30.0	25.6	21.2	16.9	14.7
100°	118.5	119.0	119.7	120.3	120.9	121.5	98.4	75.3	52.1	29.0	17.2
102.5°	153.1	153.5	153.9	154.3	154.7	155.0	150.7	146.3	141.9	137.5	130.1
105°	207.8	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.1	208.0
107.5°	262.0	262.2	262.5	262.8	263.2	263.4	263.4	263.5	263.5	263.5	263.3
110°	298.9	299.1	299.4	299.7	300.0	300.3	299.8	299.4	298.9	298.4	298.3



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	335.1	335.4	335.5	335.7	335.9	336.1	335.5	334.9	334.3	333.7	333.3
115°	388.6	389.1	389.3	389.4	389.6	389.7	389.1	388.4	387.9	387.2	386.4
117.5°	439.1	439.4	440.1	440.6	441.2	441.8	441.0	440.2	439.4	438.6	438.0
120°	472.2	472.3	472.8	473.3	473.7	474.2	473.9	473.6	473.3	473.0	472.4
122.5°	504.8	505.2	505.4	505.6	505.9	506.1	505.8	505.4	505.1	504.8	504.2
125°	552.6	553.1	553.1	553.1	553.1	553.1	552.5	551.9	551.3	550.6	550.1
127.5°	595.0	595.4	595.3	595.2	595.1	595.0	594.7	594.4	594.0	593.7	593.0
130°	621.9	622.4	622.5	622.6	622.8	622.9	622.5	622.1	621.6	621.1	620.5
132.5°	649.2	649.5	649.1	648.8	648.5	648.1	648.0	647.9	647.8	647.7	647.3
135°	687.5	687.8	687.5	687.1	686.8	686.5	686.2	685.9	685.6	685.3	684.7
137.5°	722.0	722.3	722.0	721.7	721.4	721.1	721.2	721.3	721.3	721.4	721.0
140°	742.9	743.0	742.8	742.7	742.5	742.3	742.7	743.0	743.3	743.7	743.3
142.5°	763.1	763.3	763.6	763.7	763.9	764.2	764.2	764.3	764.4	764.4	764.0
145°	793.9	794.1	794.1	794.1	794.1	794.1	794.2	794.4	794.6	794.7	794.3
147.5°	819.0	819.1	819.3	819.4	819.5	819.7	819.9	820.1	820.3	820.5	820.0
150°	834.7	834.7	835.0	835.4	835.7	835.9	836.3	836.6	836.9	837.3	836.8
152.5°	849.4	849.2	849.6	849.9	850.2	850.5	850.8	851.1	851.4	851.8	851.3
155°	869.3	868.9	869.3	869.6	869.9	870.2	870.6	871.1	871.6	872.0	871.7
157.5°	886.8	886.6	886.6	886.6	886.6	886.6	887.2	887.7	888.2	888.6	888.3
160°	896.5	896.1	896.3	896.5	896.5	896.7	897.4	898.0	898.6	899.2	898.9
162.5°	905.4	905.0	905.2	905.4	905.5	905.7	906.5	907.4	908.2	909.2	908.9
165°	917.5	917.1	917.2	917.4	917.6	917.7	918.6	919.5	920.5	921.4	921.2
167.5°	926.2	925.9	926.0	926.1	926.3	926.5	927.6	928.7	929.8	930.9	930.9
170°	930.8	930.3	930.5	930.7	930.8	930.9	932.2	933.4	934.7	935.9	935.9
172.5°	934.2	933.8	934.1	934.3	934.6	934.9	935.9	937.1	938.2	939.3	939.1
175°	938.4	938.0	938.2	938.3	938.5	938.7	939.9	941.1	942.4	943.6	943.5
177.5°	940.8	940.5	940.7	940.8	940.8	941.0	941.9	942.7	943.6	944.5	944.4
180°	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	803.7	805.8	804.1	806.3	804.1	805.8	803.7	805.5	808.0	806.3	810.3
5°	740.8	737.5	739.7	738.3	739.7	737.5	740.8	742.6	746.9	748.3	751.2
7.5°	682.7	679.6	676.1	674.4	676.1	679.6	682.7	683.7	687.4	692.8	696.8
10°	646.3	642.3	642.0	639.5	642.0	642.3	646.3	650.3	652.7	659.5	664.2
12.5°	619.6	616.0	611.9	610.9	611.9	616.0	619.6	623.0	623.8	631.5	634.7
15°	581.8	579.0	576.5	578.6	576.5	579.0	581.8	584.0	588.0	593.3	596.9
17.5°	550.4	548.0	547.6	545.0	547.6	548.0	550.4	551.6	558.1	561.6	567.7
20°	530.7	528.9	529.5	524.9	529.5	528.9	530.7	533.9	540.3	542.1	548.6
22.5°	514.9	511.3	511.0	510.0	511.0	511.3	514.9	517.8	519.1	524.6	529.0
25°	490.2	488.4	486.6	488.4	486.6	488.4	490.2	493.4	494.8	498.8	503.0
27.5°	468.6	466.5	466.0	466.2	466.0	466.5	468.6	468.3	472.2	475.3	478.5
30°	455.4	451.9	452.2	451.9	452.2	451.9	455.4	455.4	457.6	460.4	463.4
32.5°	441.1	438.7	438.2	437.5	438.2	438.7	441.1	440.5	443.3	446.7	449.9
35°	420.0	420.0	418.2	418.2	418.2	420.0	420.0	421.0	424.0	424.0	427.5
37.5°	400.1	399.8	398.7	398.9	398.7	399.8	400.1	401.1	402.0	403.5	405.9
40°	385.2	384.9	383.8	381.6	383.8	384.9	385.2	386.7	387.4	389.2	390.6
42.5°	371.0	369.8	369.2	368.5	369.2	369.8	371.0	371.8	372.2	374.6	377.5
45°	348.4	348.4	347.7	347.3	347.7	348.4	348.4	348.4	348.7	351.6	353.1
47.5°	326.5	327.2	328.5	328.3	328.5	327.2	326.5	325.9	326.0	327.4	329.1
50°	313.3	313.7	314.7	315.1	314.7	313.7	313.3	311.9	311.1	311.1	312.3
52.5°	298.7	300.8	302.1	301.9	302.1	300.8	298.7	297.6	296.2	294.5	296.1
55°	278.2	280.7	283.2	283.6	283.2	280.7	278.2	274.9	273.5	270.7	271.7
57.5°	258.0	261.5	264.1	264.9	264.1	261.5	258.0	254.1	249.4	248.1	246.1
60°	244.2	248.8	252.0	253.5	252.0	248.8	244.2	240.6	234.5	230.5	229.1
62.5°	231.0	236.2	239.5	239.8	239.5	236.2	231.0	225.5	219.3	214.8	212.0
65°	209.4	214.8	217.7	219.8	217.7	214.8	209.4	203.4	196.6	190.5	187.3
67.5°	186.2	191.6	194.8	196.5	194.8	191.6	186.2	178.7	172.5	165.5	161.7
70°	169.4	174.7	179.0	180.5	179.0	174.7	169.4	160.4	155.0	148.5	145.3
72.5°	152.8	157.5	161.0	162.7	161.0	157.5	152.8	144.4	138.2	131.7	127.3
75°	123.9	130.4	133.6	135.3	133.6	130.4	123.9	119.2	112.1	105.3	101.7
77.5°	95.6	101.4	103.3	104.2	103.3	101.4	95.6	90.1	84.6	79.7	76.2
80°	76.6	80.2	82.8	83.0	82.8	80.2	76.6	72.3	68.1	63.3	60.1
82.5°	58.9	61.8	62.7	63.6	62.7	61.8	58.9	55.1	51.5	47.9	45.2
85°	32.2	33.6	34.0	33.6	34.0	33.6	32.2	29.7	27.9	26.1	25.1
87.5°	13.7	13.5	13.6	14.2	13.6	13.5	13.7	13.0	13.2	12.4	11.7
90°	15.4	15.8	16.3	16.8	16.3	15.8	15.4	14.9	14.2	13.5	12.7
92.5°	15.0	15.2	15.5	15.6	15.5	15.2	15.0	14.8	14.2	13.5	12.7
95°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.2	13.5	12.7
97.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	16.9	21.2	25.6
100°	16.5	15.9	15.3	14.7	15.3	15.9	16.5	17.2	29.0	52.1	75.3
102.5°	119.5	109.0	98.4	87.8	98.4	109.0	119.5	130.1	137.5	141.9	146.3
105°	207.9	207.7	207.5	207.5	207.5	207.7	207.9	208.0	208.1	208.1	208.1
107.5°	262.9	262.4	261.9	261.5	261.9	262.4	262.9	263.3	263.5	263.5	263.5
110°	298.4	298.6	298.8	298.9	298.8	298.6	298.4	298.3	298.4	298.9	299.4



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	333.1	332.9	332.6	332.4	332.6	332.9	333.1	333.3	333.7	334.3	334.9
115°	385.5	384.6	383.6	382.7	383.6	384.6	385.5	386.4	387.2	387.9	388.4
117.5°	437.5	437.2	436.8	436.4	436.8	437.2	437.5	438.0	438.6	439.4	440.2
120°	471.6	470.9	470.1	469.3	470.1	470.9	471.6	472.4	473.0	473.3	473.6
122.5°	503.3	502.4	501.5	500.6	501.5	502.4	503.3	504.2	504.8	505.1	505.4
125°	549.6	549.1	548.7	548.3	548.7	549.1	549.6	550.1	550.6	551.3	551.9
127.5°	591.7	590.6	589.5	588.3	589.5	590.6	591.7	593.0	593.7	594.0	594.4
130°	619.7	619.0	618.1	617.4	618.1	619.0	619.7	620.5	621.1	621.6	622.1
132.5°	646.5	645.7	645.0	644.2	645.0	645.7	646.5	647.3	647.7	647.8	647.9
135°	683.7	682.8	681.8	680.9	681.8	682.8	683.7	684.7	685.3	685.6	685.9
137.5°	720.2	719.4	718.6	717.8	718.6	719.4	720.2	721.0	721.4	721.3	721.3
140°	742.3	741.5	740.6	739.6	740.6	741.5	742.3	743.3	743.7	743.3	743.0
142.5°	763.1	762.1	761.2	760.3	761.2	762.1	763.1	764.0	764.4	764.4	764.3
145°	793.3	792.4	791.5	790.6	791.5	792.4	793.3	794.3	794.7	794.6	794.4
147.5°	819.0	817.8	816.7	815.6	816.7	817.8	819.0	820.0	820.5	820.3	820.1
150°	835.5	834.2	833.0	831.8	833.0	834.2	835.5	836.8	837.3	836.9	836.6
152.5°	850.2	849.1	848.0	846.9	848.0	849.1	850.2	851.3	851.8	851.4	851.1
155°	870.4	869.2	868.0	866.7	868.0	869.2	870.4	871.7	872.0	871.6	871.1
157.5°	887.0	885.8	884.6	883.4	884.6	885.8	887.0	888.3	888.6	888.2	887.7
160°	897.7	896.5	895.2	893.9	895.2	896.5	897.7	898.9	899.2	898.6	898.0
162.5°	907.6	906.2	904.8	903.4	904.8	906.2	907.6	908.9	909.2	908.2	907.4
165°	920.0	918.8	917.6	916.2	917.6	918.8	920.0	921.2	921.4	920.5	919.5
167.5°	929.4	928.0	926.6	925.2	926.6	928.0	929.4	930.9	930.9	929.8	928.7
170°	934.4	933.0	931.6	930.3	931.6	933.0	934.4	935.9	935.9	934.7	933.4
172.5°	937.8	936.4	935.0	933.6	935.0	936.4	937.8	939.1	939.3	938.2	937.1
175°	942.2	940.8	939.3	937.9	939.3	940.8	942.2	943.5	943.6	942.4	941.1
177.5°	943.4	942.4	941.4	940.5	941.4	942.4	943.4	944.4	944.5	943.6	942.7
180°	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	806.6	810.0	814.4	817.5	823.2	825.8	829.0	831.5	836.1	840.4	845.6
5°	752.2	758.4	766.6	775.5	785.9	793.1	803.1	809.2	821.3	832.5	843.2
7.5°	702.9	710.5	722.1	733.6	747.2	759.5	772.0	785.9	801.4	819.8	835.0
10°	669.2	679.2	691.7	706.1	722.6	736.9	753.7	768.7	787.7	809.2	829.2
12.5°	642.2	650.8	664.9	678.5	696.2	713.7	731.0	751.0	773.1	796.9	822.1
15°	605.1	612.3	623.7	642.7	660.6	677.8	703.9	722.6	750.5	776.9	807.4
17.5°	573.3	582.3	591.9	608.2	626.7	648.2	671.6	694.9	721.8	755.4	789.8
20°	553.9	561.1	572.1	584.7	604.4	625.8	648.1	671.7	704.6	739.3	776.3
22.5°	532.7	540.5	553.0	566.7	583.2	603.8	628.3	654.2	688.6	722.7	762.8
25°	507.7	513.1	524.5	536.7	553.2	570.7	596.2	624.8	658.8	697.9	738.7
27.5°	484.2	488.9	499.4	509.9	524.8	545.6	568.4	597.3	629.3	668.9	714.2
30°	467.2	472.3	481.5	493.0	507.4	525.7	548.9	576.1	610.5	649.1	696.4
32.5°	452.6	457.1	464.1	475.6	489.6	507.3	528.9	556.7	591.0	630.3	676.7
35°	430.0	435.0	440.4	449.3	461.6	478.7	502.4	528.5	561.4	599.4	642.0
37.5°	407.6	412.9	417.7	425.7	436.9	452.0	472.5	499.7	529.5	566.1	607.0
40°	393.5	397.8	401.7	410.3	421.4	435.7	454.7	479.1	510.6	544.6	578.6
42.5°	379.5	383.4	386.8	394.3	404.5	418.3	436.4	460.1	489.4	521.1	551.1
45°	357.3	359.9	363.8	370.2	378.4	391.0	408.5	429.7	454.4	484.5	507.0
47.5°	333.4	337.3	340.5	346.2	353.0	365.2	382.1	400.1	422.5	444.9	460.7
50°	315.1	319.1	323.7	329.0	335.5	346.9	362.3	380.6	399.5	416.8	430.4
52.5°	297.9	301.5	306.5	311.6	319.4	329.2	342.3	358.5	377.2	389.6	400.9
55°	272.5	274.3	280.0	285.0	292.6	299.7	312.9	327.3	338.7	348.0	357.3
57.5°	246.5	248.9	252.2	256.7	264.2	272.6	281.8	294.5	301.2	306.0	313.3
60°	229.9	230.5	232.7	238.1	243.8	251.4	262.1	271.1	276.1	280.0	286.1
62.5°	211.5	211.7	215.3	219.2	223.5	231.6	240.3	247.5	251.8	253.6	259.5
65°	185.9	185.1	187.3	190.5	195.5	200.9	208.4	214.8	214.4	216.6	220.2
67.5°	159.6	158.8	158.8	161.9	166.0	170.8	176.0	179.6	179.7	182.6	184.4
70°	141.8	139.7	141.1	143.5	145.3	149.3	155.0	156.5	156.8	158.3	160.0
72.5°	123.5	122.7	123.9	125.0	126.2	129.2	134.1	135.0	135.1	135.9	138.8
75°	98.1	97.4	96.7	97.7	99.2	101.3	103.1	104.5	104.2	104.5	106.7
77.5°	73.5	71.5	71.2	71.7	72.1	73.4	75.3	75.1	75.5	75.4	77.9
80°	58.3	55.5	55.1	55.1	55.5	56.2	56.9	57.7	56.6	57.7	58.3
82.5°	42.9	41.2	41.1	40.8	40.9	41.0	41.5	41.8	41.7	42.1	42.6
85°	23.7	22.9	21.9	22.5	22.2	21.1	21.9	20.7	20.5	20.7	21.1
87.5°	10.4	10.6	9.7	9.5	9.0	9.1	8.3	7.7	7.3	7.3	7.9
90°	12.0	11.2	10.1	9.0	7.9	6.8	5.7	4.4	3.2	2.0	0.7
92.5°	12.0	11.2	10.2	9.2	8.3	7.4	7.3	8.1	9.0	9.9	10.7
95°	12.0	11.2	17.1	23.0	28.8	34.8	38.0	38.5	38.8	39.3	39.8
97.5°	30.0	34.4	46.0	57.7	69.4	81.1	86.4	85.6	84.8	84.0	83.1
100°	98.4	121.5	120.9	120.3	119.7	119.0	118.5	118.0	117.5	117.1	116.6
102.5°	150.7	155.0	154.7	154.3	153.9	153.5	153.1	152.5	151.9	151.3	150.7
105°	208.1	208.1	208.1	208.1	208.1	208.1	207.8	207.2	206.6	205.9	205.3
107.5°	263.4	263.4	263.2	262.8	262.5	262.2	262.0	262.0	262.0	262.0	262.0
110°	299.8	300.3	300.0	299.7	299.4	299.1	298.9	298.9	298.9	298.9	298.9



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	335.5	336.1	335.9	335.7	335.5	335.4	335.1	334.7	334.3	333.9	333.6
115°	389.1	389.7	389.6	389.4	389.3	389.1	388.6	387.9	387.1	386.3	385.5
117.5°	441.0	441.8	441.2	440.6	440.1	439.4	439.1	439.2	439.2	439.2	439.3
120°	473.9	474.2	473.7	473.3	472.8	472.3	472.2	472.3	472.5	472.7	472.8
122.5°	505.8	506.1	505.9	505.6	505.4	505.2	504.8	504.2	503.6	503.0	502.4
125°	552.5	553.1	553.1	553.1	553.1	553.1	552.6	551.5	550.4	549.3	548.3
127.5°	594.7	595.0	595.1	595.2	595.3	595.4	595.0	594.3	593.5	592.8	591.9
130°	622.5	622.9	622.8	622.6	622.5	622.4	621.9	621.1	620.3	619.5	618.8
132.5°	648.0	648.1	648.5	648.8	649.1	649.5	649.2	648.3	647.4	646.5	645.5
135°	686.2	686.5	686.8	687.1	687.5	687.8	687.5	686.5	685.6	684.7	683.7
137.5°	721.2	721.1	721.4	721.7	722.0	722.3	722.0	721.2	720.4	719.6	718.8
140°	742.7	742.3	742.5	742.7	742.8	743.0	742.9	742.6	742.3	742.0	741.7
142.5°	764.2	764.2	763.9	763.7	763.6	763.3	763.1	762.9	762.7	762.5	762.3
145°	794.2	794.1	794.1	794.1	794.1	794.1	793.9	793.6	793.3	793.0	792.7
147.5°	819.9	819.7	819.5	819.4	819.3	819.1	819.0	819.1	819.1	819.2	819.3
150°	836.3	835.9	835.7	835.4	835.0	834.7	834.7	835.0	835.4	835.7	835.9
152.5°	850.8	850.5	850.2	849.9	849.6	849.2	849.4	850.2	850.8	851.5	852.2
155°	870.6	870.2	869.9	869.6	869.3	868.9	869.3	870.2	871.1	872.0	873.0
157.5°	887.2	886.6	886.6	886.6	886.6	886.6	886.8	887.4	888.0	888.5	889.0
160°	897.4	896.7	896.5	896.5	896.3	896.1	896.5	897.4	898.3	899.3	900.2
162.5°	906.5	905.7	905.5	905.4	905.2	905.0	905.4	906.3	907.3	908.2	909.2
165°	918.6	917.7	917.6	917.4	917.2	917.1	917.5	918.4	919.4	920.2	921.1
167.5°	927.6	926.5	926.3	926.1	926.0	925.9	926.2	927.3	928.2	929.2	930.1
170°	932.2	930.9	930.8	930.7	930.5	930.3	930.8	931.9	932.9	934.1	935.2
172.5°	935.9	934.9	934.6	934.3	934.1	933.8	934.2	935.2	936.3	937.5	938.5
175°	939.9	938.7	938.5	938.3	938.2	938.0	938.4	939.3	940.3	941.2	942.2
177.5°	941.9	941.0	940.8	940.8	940.7	940.5	940.8	941.6	942.4	943.0	943.8
180°	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	848.2	852.2	854.7	859.6	863.7	865.9	867.9	869.6	871.7	873.4	878.3
5°	853.6	862.9	870.8	883.0	894.1	902.7	911.9	920.2	927.0	936.7	944.1
7.5°	851.2	867.8	885.1	903.9	923.2	941.1	957.5	973.0	986.9	1003.8	1018.6
10°	848.9	871.5	893.7	919.1	945.3	967.4	988.3	1009.4	1024.7	1046.2	1064.5
12.5°	847.3	873.8	900.6	931.1	959.9	991.2	1018.9	1034.3	1057.7	1074.9	1096.6
15°	840.0	875.1	911.9	946.3	987.1	1016.2	1040.5	1070.5	1092.4	1114.3	1137.8
17.5°	827.0	866.8	908.0	953.1	992.2	1023.4	1054.7	1083.7	1109.8	1139.1	1168.6
20°	821.0	860.7	908.0	954.2	992.5	1025.1	1057.3	1089.2	1117.9	1155.5	1189.4
22.5°	808.4	856.5	900.0	945.0	984.5	1019.9	1056.5	1092.6	1130.7	1173.2	1215.8
25°	785.9	834.6	880.8	925.2	965.0	1009.4	1048.4	1096.7	1145.4	1201.6	1254.6
27.5°	762.6	809.2	851.5	894.4	940.8	991.0	1041.6	1096.5	1160.3	1231.1	1306.0
30°	743.7	787.7	828.9	872.9	921.2	977.8	1033.3	1098.5	1172.2	1252.1	1340.9
32.5°	721.6	762.2	802.3	848.9	901.5	961.2	1025.9	1097.3	1186.0	1276.8	1368.1
35°	683.9	717.9	759.0	808.8	868.3	936.7	1011.5	1096.0	1197.7	1301.8	1378.8
37.5°	639.1	670.8	714.2	768.7	831.0	904.5	993.3	1093.4	1201.5	1284.5	1309.4
40°	609.1	638.4	683.5	740.1	803.8	881.6	978.9	1084.9	1189.4	1242.5	1222.0
42.5°	576.9	607.8	651.8	707.8	776.3	860.9	960.8	1066.9	1154.5	1174.5	1104.0
45°	526.3	558.2	601.5	658.1	731.9	823.5	927.7	1024.0	1074.5	1038.3	929.2
47.5°	479.3	509.2	549.3	607.7	683.8	778.6	878.9	955.7	959.8	873.5	756.9
50°	447.2	474.8	515.2	573.6	649.1	745.1	835.7	896.2	869.0	771.3	659.2
52.5°	415.7	442.7	482.6	540.4	615.1	702.9	787.3	829.7	778.4	678.2	582.4
55°	370.2	393.9	432.9	486.3	557.1	638.8	710.4	725.0	658.5	559.6	481.9
57.5°	325.8	347.9	383.4	432.5	497.3	569.7	625.7	622.5	552.1	467.3	405.7
60°	295.8	317.3	348.7	396.7	455.8	518.1	566.1	554.6	484.8	411.8	359.9
62.5°	268.8	288.0	317.8	359.8	413.7	471.4	510.8	493.9	425.5	361.7	320.6
65°	229.1	245.2	270.7	306.5	351.3	398.9	429.3	407.5	349.1	299.4	266.4
67.5°	191.2	204.2	225.5	254.1	292.3	330.5	349.0	327.1	280.3	244.0	219.6
70°	167.2	178.7	195.1	220.6	253.8	286.1	300.0	280.3	240.3	209.1	191.5
72.5°	143.2	152.6	167.1	189.9	216.6	244.6	256.7	238.0	205.0	178.7	162.3
75°	110.7	117.1	127.1	142.9	164.0	186.2	193.0	176.5	155.4	135.7	125.0
77.5°	79.2	84.6	92.3	102.2	117.2	131.3	137.2	127.7	111.3	98.9	90.1
80°	60.9	63.7	70.2	78.4	90.2	99.2	103.1	97.0	85.6	76.3	69.5
82.5°	43.4	46.3	50.1	56.9	64.5	70.5	74.7	70.7	62.4	55.0	51.1
85°	21.1	22.9	25.1	27.9	33.6	37.2	36.9	34.4	31.1	28.3	26.1
87.5°	7.8	8.4	9.5	11.1	12.3	13.6	14.4	14.0	13.1	12.4	11.7
90°	2.0	3.2	4.4	5.7	6.8	7.9	9.0	10.1	11.2	12.0	12.7
92.5°	9.9	9.0	8.1	7.3	7.4	8.3	9.2	10.2	11.2	12.0	12.7
95°	39.3	38.8	38.5	38.0	34.8	28.8	23.0	17.1	11.2	12.0	12.7
97.5°	84.0	84.8	85.6	86.4	81.1	69.4	57.7	46.0	34.4	30.0	25.6
100°	117.1	117.5	118.0	118.5	119.0	119.7	120.3	120.9	121.5	98.4	75.3
102.5°	151.3	151.9	152.5	153.1	153.5	153.9	154.3	154.7	155.0	150.7	146.3
105°	205.9	206.6	207.2	207.8	208.1	208.1	208.1	208.1	208.1	208.1	208.1
107.5°	262.0	262.0	262.0	262.0	262.2	262.5	262.8	263.2	263.4	263.4	263.5
110°	298.9	298.9	298.9	298.9	299.1	299.4	299.7	300.0	300.3	299.8	299.4





TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	333.9	334.3	334.7	335.1	335.4	335.5	335.7	335.9	336.1	335.5	334.9
115°	386.3	387.1	387.9	388.6	389.1	389.3	389.4	389.6	389.7	389.1	388.4
117.5°	439.2	439.2	439.2	439.1	439.4	440.1	440.6	441.2	441.8	441.0	440.2
120°	472.7	472.5	472.3	472.2	472.3	472.8	473.3	473.7	474.2	473.9	473.6
122.5°	503.0	503.6	504.2	504.8	505.2	505.4	505.6	505.9	506.1	505.8	505.4
125°	549.3	550.4	551.5	552.6	553.1	553.1	553.1	553.1	553.1	552.5	551.9
127.5°	592.8	593.5	594.3	595.0	595.4	595.3	595.2	595.1	595.0	594.7	594.4
130°	619.5	620.3	621.1	621.9	622.4	622.5	622.6	622.8	622.9	622.5	622.1
132.5°	646.5	647.4	648.3	649.2	649.5	649.1	648.8	648.5	648.1	648.0	647.9
135°	684.7	685.6	686.5	687.5	687.8	687.5	687.1	686.8	686.5	686.2	685.9
137.5°	719.6	720.4	721.2	722.0	722.3	722.0	721.7	721.4	721.1	721.2	721.3
140°	742.0	742.3	742.6	742.9	743.0	742.8	742.7	742.5	742.3	742.7	743.0
142.5°	762.5	762.7	762.9	763.1	763.3	763.6	763.7	763.9	764.2	764.2	764.3
145°	793.0	793.3	793.6	793.9	794.1	794.1	794.1	794.1	794.1	794.2	794.4
147.5°	819.2	819.1	819.1	819.0	819.1	819.3	819.4	819.5	819.7	819.9	820.1
150°	835.7	835.4	835.0	834.7	834.7	835.0	835.4	835.7	835.9	836.3	836.6
152.5°	851.5	850.8	850.2	849.4	849.2	849.6	849.9	850.2	850.5	850.8	851.1
155°	872.0	871.1	870.2	869.3	868.9	869.3	869.6	869.9	870.2	870.6	871.1
157.5°	888.5	888.0	887.4	886.8	886.6	886.6	886.6	886.6	886.6	887.2	887.7
160°	899.3	898.3	897.4	896.5	896.1	896.3	896.5	896.5	896.7	897.4	898.0
162.5°	908.2	907.3	906.3	905.4	905.0	905.2	905.4	905.5	905.7	906.5	907.4
165°	920.2	919.4	918.4	917.5	917.1	917.2	917.4	917.6	917.7	918.6	919.5
167.5°	929.2	928.2	927.3	926.2	925.9	926.0	926.1	926.3	926.5	927.6	928.7
170°	934.1	932.9	931.9	930.8	930.3	930.5	930.7	930.8	930.9	932.2	933.4
172.5°	937.5	936.3	935.2	934.2	933.8	934.1	934.3	934.6	934.9	935.9	937.1
175°	941.2	940.3	939.3	938.4	938.0	938.2	938.3	938.5	938.7	939.9	941.1
177.5°	943.0	942.4	941.6	940.8	940.5	940.7	940.8	940.8	941.0	941.9	942.7
180°	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2	942.2



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	843.6	843.6	843.6	843.6	843.6	843.6	843.6
2.5°	882.2	884.5	889.4	887.7	889.9	891.1	892.3
5°	953.5	965.0	970.0	969.2	976.8	975.0	973.2
7.5°	1034.0	1046.0	1052.7	1061.1	1066.0	1066.3	1070.5
10°	1079.5	1095.2	1101.7	1110.7	1116.4	1119.6	1119.3
12.5°	1114.5	1126.8	1141.2	1145.7	1153.4	1157.4	1155.9
15°	1156.5	1176.2	1191.2	1198.7	1208.4	1211.3	1215.2
17.5°	1194.0	1220.4	1238.0	1261.3	1270.2	1275.5	1272.3
20°	1222.4	1257.1	1274.7	1302.6	1318.0	1326.3	1323.3
22.5°	1255.9	1293.5	1326.0	1350.1	1373.6	1384.7	1387.0
25°	1313.3	1364.9	1412.5	1444.4	1473.4	1480.2	1495.2
27.5°	1377.5	1438.3	1489.2	1522.7	1542.9	1550.5	1555.2
30°	1417.9	1478.4	1516.7	1538.1	1544.6	1543.9	1543.2
32.5°	1437.7	1475.6	1482.9	1476.9	1462.2	1449.6	1436.6
35°	1409.7	1381.4	1339.1	1284.7	1244.6	1204.1	1200.1
37.5°	1267.8	1177.3	1107.0	1028.5	983.2	955.2	935.8
40°	1134.3	1031.5	946.3	880.1	833.9	815.7	797.8
42.5°	989.4	891.2	815.7	760.3	725.7	705.4	691.2
45°	803.8	717.2	658.1	618.0	590.4	574.7	565.7
47.5°	658.6	594.6	544.4	515.5	496.4	484.2	484.2
50°	580.8	519.5	486.3	463.4	446.9	437.2	438.9
52.5°	511.7	466.0	437.5	418.3	406.1	400.2	400.0
55°	427.9	394.9	376.4	362.3	354.1	347.3	348.7
57.5°	366.0	338.2	325.7	314.1	308.4	305.7	301.8
60°	327.6	306.1	295.4	286.1	280.3	278.2	274.3
62.5°	293.5	276.6	266.2	258.5	253.4	252.7	249.6
65°	246.7	233.8	224.5	220.9	215.6	214.1	214.1
67.5°	203.4	194.2	186.9	183.6	181.3	181.6	179.8
70°	176.2	168.6	164.0	160.4	158.6	159.0	157.5
72.5°	154.1	145.7	141.7	139.5	137.1	138.1	137.5
75°	116.7	112.4	110.3	108.1	106.7	105.9	105.3
77.5°	85.7	81.9	80.3	79.1	79.3	77.6	78.9
80°	66.3	63.1	61.9	60.1	59.8	59.8	59.5
82.5°	48.4	46.7	45.9	44.4	43.7	44.3	43.4
85°	25.1	23.7	23.3	23.3	22.5	21.9	23.7
87.5°	11.9	10.8	11.0	10.8	10.9	10.7	10.3
90°	13.5	14.2	14.9	15.4	15.8	16.3	16.8
92.5°	13.5	14.2	14.8	15.0	15.2	15.5	15.6
95°	13.5	14.2	14.7	14.7	14.7	14.7	14.7
97.5°	21.2	16.9	14.7	14.7	14.7	14.7	14.7
100°	52.1	29.0	17.2	16.5	15.9	15.3	14.7
102.5°	141.9	137.5	130.1	119.5	109.0	98.4	87.8
105°	208.1	208.1	208.0	207.9	207.7	207.5	207.5
107.5°	263.5	263.5	263.3	262.9	262.4	261.9	261.5
110°	298.9	298.4	298.3	298.4	298.6	298.8	298.9



TEST NUMBER: P333376-830

CATALOG NUMBER: S125DIW-S610D770U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	334.3	333.7	333.3	333.1	332.9	332.6	332.4
115°	387.9	387.2	386.4	385.5	384.6	383.6	382.7
117.5°	439.4	438.6	438.0	437.5	437.2	436.8	436.4
120°	473.3	473.0	472.4	471.6	470.9	470.1	469.3
122.5°	505.1	504.8	504.2	503.3	502.4	501.5	500.6
125°	551.3	550.6	550.1	549.6	549.1	548.7	548.3
127.5°	594.0	593.7	593.0	591.7	590.6	589.5	588.3
130°	621.6	621.1	620.5	619.7	619.0	618.1	617.4
132.5°	647.8	647.7	647.3	646.5	645.7	645.0	644.2
135°	685.6	685.3	684.7	683.7	682.8	681.8	680.9
137.5°	721.3	721.4	721.0	720.2	719.4	718.6	717.8
140°	743.3	743.7	743.3	742.3	741.5	740.6	739.6
142.5°	764.4	764.4	764.0	763.1	762.1	761.2	760.3
145°	794.6	794.7	794.3	793.3	792.4	791.5	790.6
147.5°	820.3	820.5	820.0	819.0	817.8	816.7	815.6
150°	836.9	837.3	836.8	835.5	834.2	833.0	831.8
152.5°	851.4	851.8	851.3	850.2	849.1	848.0	846.9
155°	871.6	872.0	871.7	870.4	869.2	868.0	866.7
157.5°	888.2	888.6	888.3	887.0	885.8	884.6	883.4
160°	898.6	899.2	898.9	897.7	896.5	895.2	893.9
162.5°	908.2	909.2	908.9	907.6	906.2	904.8	903.4
165°	920.5	921.4	921.2	920.0	918.8	917.6	916.2
167.5°	929.8	930.9	930.9	929.4	928.0	926.6	925.2
170°	934.7	935.9	935.9	934.4	933.0	931.6	930.3
172.5°	938.2	939.3	939.1	937.8	936.4	935.0	933.6
175°	942.4	943.6	943.5	942.2	940.8	939.3	937.9
177.5°	943.6	944.5	944.4	943.4	942.4	941.4	940.5
180°	942.2	942.2	942.2	942.2	942.2	942.2	942.2

(END OF REPORT)