

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: P333370-940

Luminaire Tested: **S125DIW-S610D470U940-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333370-940  
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-S610D470U940-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3924.3 lumens  
Efficiency: N/A  
Efficacy: 129.9 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

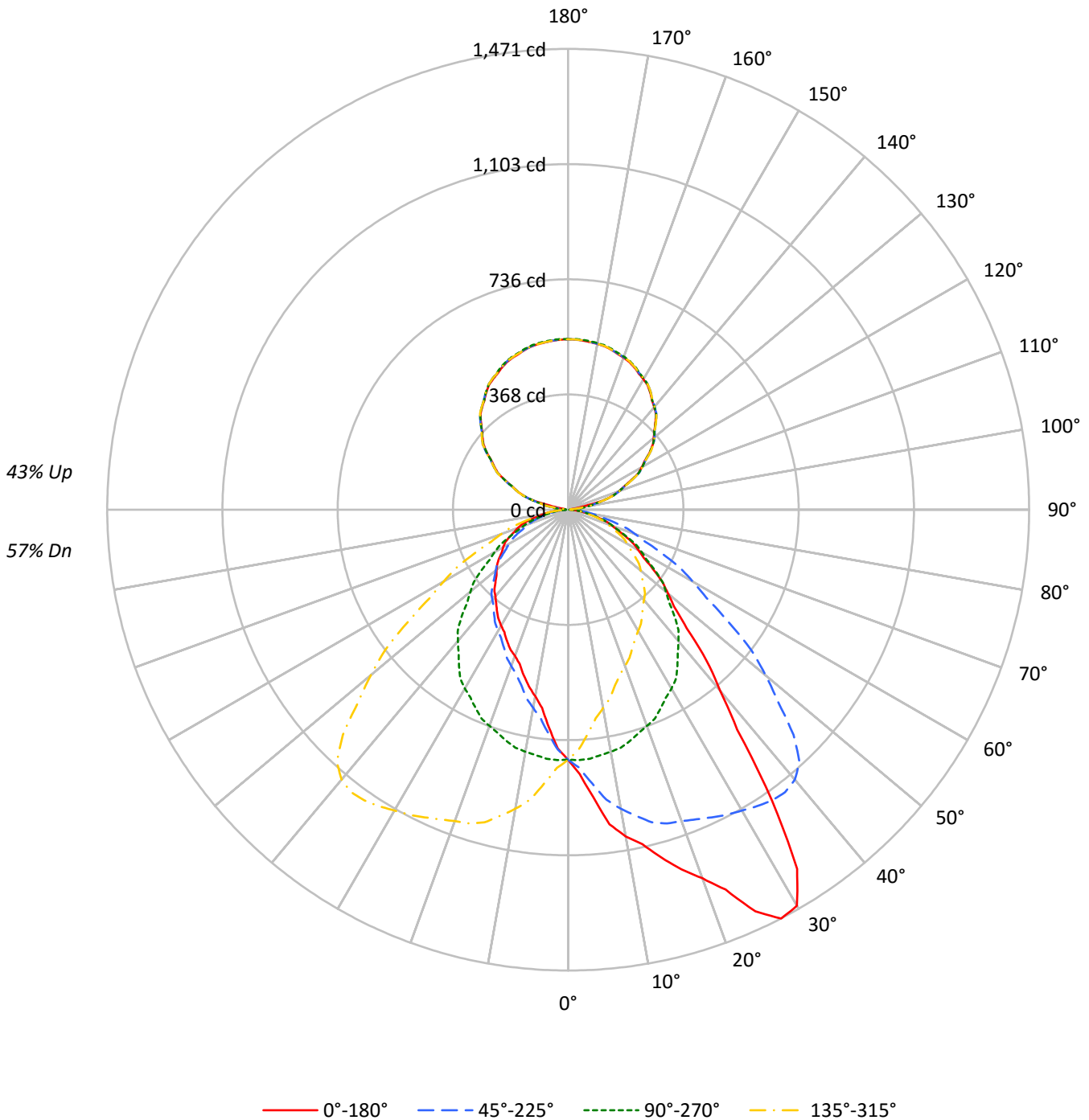
Input Watts (W): 30.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57
1	100	95	92	88	93	89	86	83	77	75	72	66	64	63	56	55	54	49
2	91	84	78	72	85	78	73	68	68	64	60	58	55	53	50	47	46	41
3	83	74	66	61	77	69	63	57	60	55	51	52	48	45	44	41	39	35
4	76	65	57	51	71	61	54	49	53	48	44	46	42	39	40	36	34	30
5	70	58	50	44	65	55	47	42	48	42	38	42	37	34	36	32	30	26
6	65	52	44	38	60	49	42	37	43	37	33	38	33	29	32	29	26	23
7	60	47	39	34	56	45	37	32	39	33	29	34	30	26	30	26	23	21
8	55	43	35	30	52	41	33	29	36	30	26	31	27	23	27	24	21	18
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	23	20	17	15

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

	0°	90°	180°	270°
0°	5154	5154	5154	5154
5°	5969	5172	4528	5172
10°	6944	5145	3968	5145
15°	7687	5107	3660	5107
20°	8605	5047	3413	5047
25°	10080	4980	3293	4980
30°	10888	4914	3188	4914
35°	8952	4788	3120	4788
40°	6363	4615	3044	4615
45°	4888	4381	3001	4381
50°	4173	4091	2995	4091
55°	3715	3806	3021	3806
60°	3352	3495	3099	3495
65°	3096	3183	3177	3183
70°	2814	2859	3225	2859
75°	2485	2518	3194	2518
80°	2094	2053	2923	2053
85°	1660	1482	2356	1482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	2.0
10°-20°	228.8	5.8
20°-30°	371.4	9.5
30°-40°	453.1	11.5
40°-50°	412.2	10.5
50°-60°	328.3	8.4
60°-70°	228.7	5.8
70°-80°	121.9	3.1
80°-90°	31.9	0.8
90°-100°	19.8	0.5
100°-110°	121.9	3.1
110°-120°	221.0	5.6
120°-130°	283.7	7.2
130°-140°	305.1	7.8
140°-150°	286.4	7.3
150°-160°	231.7	5.9
160°-170°	149.8	3.8
170°-180°	51.7	1.3
0°-30°	677.0	17.3
0°-40°	1130.1	28.8
0°-60°	1870.6	47.7
0°-90°	2253.2	57.4
90°-120°	362.7	9.2
90°-150°	1237.9	31.5
90°-180°	1671.0	42.6
0°-180°	3924.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	798	798	798	798	798	
5°	921	798	698	798	921	93
15°	1150	764	547	764	1150	329
25°	1415	699	462	699	1415	646
35°	1135	607	396	607	1135	695
45°	535	480	329	480	535	428
55°	330	338	268	338	330	297
65°	203	208	208	208	203	201
75°	100	101	128	101	100	107
85°	22	20	32	20	22	26
90°	10	0	10	0	10	5
95°	8	23	8	23	8	7
105°	120	119	120	119	120	108
115°	221	223	221	223	221	219
125°	317	317	317	317	317	282
135°	393	395	393	395	393	304
145°	457	458	457	458	457	285
155°	501	504	501	504	501	231
165°	529	532	529	532	529	149
175°	542	544	542	544	542	52
180°	544	544	544	544	544	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	844.2	843.0	842.0	839.8	841.4	836.8	834.6	830.9	826.3	824.7	822.7
5°	920.7	922.4	924.1	916.9	917.7	912.9	902.1	893.2	886.2	877.0	870.6
7.5°	1012.8	1008.8	1008.5	1003.9	996.0	989.6	978.2	963.7	949.7	933.7	920.5
10°	1058.9	1059.3	1056.2	1050.8	1042.3	1036.2	1021.3	1007.1	989.8	969.5	954.9
12.5°	1093.6	1095.0	1091.2	1083.9	1079.7	1066.0	1054.4	1037.4	1016.9	1000.7	978.5
15°	1149.7	1145.9	1143.3	1134.1	1126.9	1112.8	1094.1	1076.5	1054.2	1033.5	1012.8
17.5°	1203.7	1206.8	1201.7	1193.3	1171.3	1154.6	1129.6	1105.5	1077.6	1050.0	1025.3
20°	1252.0	1254.7	1246.9	1232.3	1205.9	1189.3	1156.5	1125.2	1093.1	1057.6	1030.5
22.5°	1312.2	1310.0	1299.5	1277.3	1254.5	1223.7	1188.2	1150.2	1109.9	1069.7	1033.7
25°	1414.6	1400.3	1393.9	1366.5	1336.3	1291.3	1242.5	1187.0	1136.8	1083.6	1037.6
27.5°	1471.3	1466.9	1459.7	1440.6	1408.9	1360.8	1303.2	1235.6	1164.8	1097.7	1037.3
30°	1460.0	1460.6	1461.3	1455.2	1434.9	1398.6	1341.4	1268.5	1184.5	1109.0	1039.3
32.5°	1359.1	1371.5	1383.3	1397.2	1402.9	1396.0	1360.1	1294.3	1207.9	1122.0	1038.1
35°	1135.4	1139.2	1177.5	1215.4	1266.9	1306.9	1333.6	1304.5	1231.6	1133.1	1036.9
37.5°	885.3	903.7	930.1	973.0	1047.3	1113.8	1199.4	1238.8	1215.2	1136.7	1034.5
40°	754.7	771.7	788.9	832.6	895.3	975.9	1073.1	1156.1	1175.5	1125.2	1026.4
42.5°	653.9	667.4	686.5	719.3	771.7	843.1	936.0	1044.5	1111.2	1092.3	1009.3
45°	535.2	543.7	558.6	584.7	622.6	678.5	760.5	879.0	982.3	1016.6	968.8
47.5°	458.1	458.1	469.7	487.7	515.1	562.5	623.1	716.0	826.3	908.0	904.2
50°	415.3	413.6	422.8	438.4	460.0	491.5	549.5	623.7	729.7	822.2	847.8
52.5°	378.4	378.6	384.2	395.7	413.9	440.9	484.1	551.0	641.6	736.5	785.0
55°	329.9	328.6	335.0	342.8	356.1	373.6	404.8	455.9	529.4	622.9	685.9
57.5°	285.5	289.2	291.8	297.2	308.2	319.9	346.3	383.8	442.1	522.4	589.0
60°	259.5	263.2	265.2	270.6	279.5	289.6	310.0	340.5	389.6	458.7	524.7
62.5°	236.1	239.1	239.8	244.6	251.8	261.7	277.7	303.3	342.1	402.5	467.3
65°	202.6	202.6	203.9	209.0	212.4	221.2	233.4	252.0	283.2	330.3	385.5
67.5°	170.1	171.8	171.5	173.7	176.8	183.7	192.4	207.8	230.9	265.2	309.4
70°	149.0	150.4	150.1	151.8	155.2	159.5	166.7	181.2	197.8	227.3	265.2
72.5°	130.1	130.6	129.7	132.0	134.0	137.9	145.8	153.6	169.1	193.9	225.2
75°	99.6	100.2	100.9	102.3	104.3	106.4	110.4	118.2	128.4	147.0	167.0
77.5°	74.6	73.4	75.0	74.8	76.0	77.5	81.1	85.2	93.5	105.3	120.8
80°	56.3	56.5	56.5	56.9	58.6	59.7	62.7	65.7	72.1	81.0	91.8
82.5°	41.0	41.9	41.4	42.0	43.4	44.1	45.8	48.3	52.1	59.0	66.9
85°	22.4	20.7	21.3	22.0	22.0	22.4	23.7	24.7	26.8	29.4	32.5
87.5°	8.5	8.9	9.2	9.1	9.3	9.3	10.3	10.2	10.9	11.6	12.6
90°	9.7	9.5	9.2	8.9	8.6	8.2	7.8	7.3	6.9	6.4	5.8
92.5°	9.0	8.9	8.8	8.6	8.6	8.2	7.8	7.3	6.9	6.4	5.9
95°	8.5	8.5	8.5	8.5	8.5	8.2	7.8	7.3	6.9	6.4	9.9
97.5°	8.5	8.5	8.5	8.5	8.5	9.7	12.3	14.8	17.3	19.9	26.6
100°	8.5	8.8	9.2	9.5	9.9	16.8	30.1	43.5	56.8	70.2	69.8
102.5°	50.7	56.8	63.0	69.0	75.2	79.5	81.9	84.5	87.0	89.5	89.3
105°	119.8	119.9	120.0	120.1	120.2	120.2	120.2	120.2	120.2	120.2	120.2
107.5°	151.1	151.3	151.6	151.9	152.1	152.2	152.2	152.2	152.2	152.1	151.9
110°	172.6	172.5	172.5	172.4	172.3	172.4	172.6	172.9	173.2	173.4	173.3



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	192.0	192.2	192.3	192.4	192.5	192.8	193.1	193.4	193.8	194.1	194.0
115°	221.1	221.6	222.1	222.7	223.2	223.6	224.0	224.4	224.7	225.1	225.0
117.5°	252.1	252.3	252.5	252.7	253.0	253.3	253.8	254.2	254.8	255.2	254.9
120°	271.1	271.5	272.0	272.4	272.9	273.2	273.4	273.6	273.8	273.9	273.7
122.5°	289.2	289.7	290.2	290.7	291.2	291.6	291.8	291.9	292.1	292.3	292.2
125°	316.6	316.9	317.2	317.4	317.7	318.1	318.4	318.8	319.1	319.5	319.5
127.5°	339.8	340.5	341.2	341.8	342.5	343.0	343.1	343.3	343.5	343.7	343.8
130°	356.6	357.0	357.5	357.9	358.4	358.7	359.0	359.3	359.5	359.8	359.7
132.5°	372.1	372.6	373.0	373.4	373.9	374.2	374.2	374.3	374.3	374.3	374.5
135°	393.3	393.9	394.4	394.9	395.5	395.8	396.0	396.2	396.4	396.5	396.7
137.5°	414.6	415.1	415.5	416.0	416.5	416.7	416.7	416.6	416.6	416.5	416.7
140°	427.2	427.8	428.3	428.8	429.4	429.5	429.4	429.2	429.0	428.8	428.9
142.5°	439.2	439.7	440.2	440.8	441.3	441.6	441.5	441.5	441.4	441.4	441.3
145°	456.6	457.2	457.7	458.3	458.8	459.1	459.0	458.9	458.8	458.7	458.7
147.5°	471.1	471.7	472.4	473.1	473.7	473.9	473.9	473.8	473.6	473.5	473.4
150°	480.5	481.2	481.9	482.6	483.3	483.6	483.4	483.2	483.0	482.9	482.7
152.5°	489.2	489.8	490.4	491.1	491.8	492.0	491.8	491.6	491.4	491.2	491.1
155°	500.6	501.3	502.0	502.7	503.5	503.7	503.5	503.2	502.9	502.7	502.5
157.5°	510.2	511.0	511.7	512.4	513.1	513.3	513.0	512.7	512.5	512.2	512.1
160°	516.4	517.1	517.8	518.5	519.2	519.4	519.1	518.7	518.4	518.0	517.9
162.5°	521.8	522.6	523.4	524.2	525.0	525.1	524.7	524.1	523.6	523.2	523.1
165°	529.2	529.9	530.7	531.5	532.2	532.3	531.7	531.2	530.6	530.0	529.9
167.5°	534.4	535.2	536.0	536.8	537.7	537.7	537.1	536.5	535.8	535.1	535.0
170°	537.3	538.1	539.0	539.8	540.6	540.6	539.9	539.1	538.4	537.7	537.6
172.5°	539.3	540.1	540.9	541.7	542.5	542.6	541.9	541.3	540.6	540.0	539.8
175°	541.8	542.6	543.4	544.2	545.0	545.0	544.3	543.6	542.9	542.2	542.1
177.5°	543.2	543.8	544.4	544.9	545.5	545.5	545.0	544.6	544.0	543.6	543.5
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	821.1	819.2	817.1	813.2	808.6	806.2	802.5	800.0	795.0	791.0	786.7
5°	862.7	854.0	845.9	835.4	823.9	816.4	807.5	797.7	787.6	777.0	765.5
7.5°	905.9	890.4	873.4	855.2	837.4	821.0	805.3	790.0	775.6	758.2	743.5
10°	935.0	915.3	894.3	869.5	845.5	824.5	803.2	784.5	765.5	745.2	727.3
12.5°	963.9	937.7	908.1	880.9	852.0	826.7	801.6	777.8	753.9	731.4	710.5
15°	984.4	961.4	933.9	895.3	862.7	827.9	794.7	763.8	735.0	710.0	683.6
17.5°	997.8	968.2	938.7	901.7	859.1	820.0	782.4	747.2	714.7	682.9	657.5
20°	1000.3	969.8	939.0	902.8	859.1	814.3	776.8	734.4	699.5	666.6	635.4
22.5°	999.5	964.9	931.4	894.0	851.5	810.3	764.8	721.7	683.8	651.5	618.9
25°	991.8	954.9	912.9	875.3	833.3	789.6	743.5	698.8	660.2	623.3	591.1
27.5°	985.4	937.5	890.0	846.1	805.6	765.5	721.5	675.6	632.8	595.4	565.1
30°	977.6	925.1	871.6	825.8	784.2	745.2	703.6	658.9	614.1	577.6	545.0
32.5°	970.5	909.4	852.9	803.1	759.0	721.1	682.7	640.2	596.3	559.1	526.6
35°	957.0	886.2	821.4	765.2	718.1	679.2	647.0	607.3	567.0	531.1	500.0
37.5°	939.7	855.7	786.2	727.3	675.6	634.6	604.7	574.3	535.6	501.0	472.8
40°	926.1	834.0	760.5	700.2	646.7	604.0	576.2	547.4	515.2	483.0	453.3
42.5°	909.0	814.5	734.4	669.6	616.6	575.0	545.8	521.4	493.0	463.0	435.3
45°	877.7	779.1	692.4	622.6	569.1	528.1	497.9	479.7	458.3	429.9	406.5
47.5°	831.5	736.6	646.9	574.9	519.7	481.7	453.4	435.9	420.9	399.8	378.5
50°	790.6	704.9	614.1	542.7	487.4	449.2	423.1	407.2	394.3	378.0	360.1
52.5°	744.8	665.0	581.9	511.2	456.6	418.8	393.2	379.2	368.5	356.9	339.2
55°	672.1	604.3	527.1	460.0	409.6	372.6	350.3	338.0	329.2	320.5	309.6
57.5°	591.9	539.0	470.5	409.2	362.7	329.1	308.3	296.4	289.5	285.0	278.7
60°	535.6	490.2	431.2	375.3	329.9	300.1	279.8	270.6	264.9	261.2	256.5
62.5°	483.2	445.9	391.4	340.4	300.7	272.5	254.3	245.5	240.0	238.2	234.2
65°	406.2	377.4	332.3	290.0	256.1	232.0	216.8	208.3	204.9	202.9	203.2
67.5°	330.2	312.6	276.5	240.4	213.3	193.1	180.9	174.4	172.7	170.0	170.0
70°	283.8	270.6	240.1	208.7	184.6	169.1	158.2	151.4	149.7	148.4	148.0
72.5°	242.9	231.4	204.9	179.7	158.1	144.4	135.5	131.3	128.6	127.8	127.7
75°	182.6	176.1	155.2	135.2	120.3	110.8	104.7	100.9	98.9	98.5	98.9
77.5°	129.8	124.2	110.8	96.7	87.3	80.1	74.9	73.7	71.3	71.4	71.1
80°	97.6	93.8	85.3	74.2	66.4	60.3	57.6	55.2	54.6	53.5	54.6
82.5°	70.7	66.7	61.0	53.9	47.4	43.8	41.0	40.3	39.9	39.4	39.6
85°	34.9	35.2	31.8	26.4	23.7	21.7	20.0	20.0	19.6	19.4	19.6
87.5°	12.9	12.3	11.1	10.2	8.6	7.7	7.3	7.4	6.7	6.6	7.0
90°	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4	1.2	1.9	2.6
92.5°	5.4	4.8	4.2	4.2	4.7	5.2	5.7	6.2	5.7	5.2	4.7
95°	13.3	16.7	20.1	21.9	22.2	22.5	22.7	23.0	22.7	22.5	22.2
97.5°	33.3	40.0	46.8	49.9	49.5	49.0	48.5	48.0	48.5	49.0	49.5
100°	69.5	69.1	68.8	68.5	68.2	67.9	67.7	67.3	67.7	67.9	68.2
102.5°	89.1	88.9	88.7	88.5	88.1	87.7	87.4	87.0	87.4	87.7	88.1
105°	120.2	120.2	120.2	120.0	119.7	119.3	119.0	118.6	119.0	119.3	119.7
107.5°	151.8	151.6	151.4	151.3	151.3	151.3	151.3	151.3	151.3	151.3	151.3
110°	173.1	172.9	172.7	172.6	172.6	172.6	172.6	172.6	172.6	172.6	172.6





TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	193.9	193.8	193.7	193.5	193.3	193.1	192.9	192.7	192.9	193.1	193.3
115°	224.9	224.8	224.7	224.4	224.0	223.6	223.1	222.7	223.1	223.6	224.0
117.5°	254.5	254.1	253.9	253.7	253.7	253.7	253.7	253.8	253.7	253.7	253.7
120°	273.4	273.1	272.9	272.8	272.9	273.0	273.0	273.1	273.0	273.0	272.9
122.5°	292.0	291.9	291.8	291.6	291.2	290.9	290.5	290.3	290.5	290.9	291.2
125°	319.5	319.5	319.5	319.1	318.5	317.9	317.3	316.6	317.3	317.9	318.5
127.5°	343.8	343.8	343.9	343.8	343.3	342.9	342.4	341.9	342.4	342.9	343.3
130°	359.6	359.5	359.4	359.2	358.7	358.3	357.8	357.4	357.8	358.3	358.7
132.5°	374.8	375.0	375.1	375.0	374.4	374.0	373.4	372.9	373.4	374.0	374.4
135°	396.9	397.1	397.3	397.1	396.5	396.0	395.5	394.9	395.5	396.0	396.5
137.5°	416.9	417.1	417.2	417.1	416.6	416.1	415.6	415.2	415.6	416.1	416.6
140°	429.0	429.1	429.2	429.1	428.9	428.7	428.6	428.4	428.6	428.7	428.9
142.5°	441.1	441.0	440.9	440.8	440.7	440.6	440.5	440.3	440.5	440.6	440.7
145°	458.7	458.7	458.7	458.6	458.4	458.3	458.1	457.9	458.1	458.3	458.4
147.5°	473.3	473.2	473.1	473.1	473.1	473.1	473.1	473.2	473.1	473.1	473.1
150°	482.5	482.3	482.1	482.1	482.3	482.5	482.7	482.9	482.7	482.5	482.3
152.5°	490.9	490.7	490.5	490.6	491.1	491.4	491.9	492.2	491.9	491.4	491.1
155°	502.3	502.1	501.9	502.1	502.7	503.2	503.7	504.3	503.7	503.2	502.7
157.5°	512.1	512.1	512.1	512.2	512.6	512.9	513.2	513.5	513.2	512.9	512.6
160°	517.8	517.7	517.6	517.8	518.4	518.9	519.4	520.0	519.4	518.9	518.4
162.5°	523.0	522.9	522.8	523.0	523.5	524.1	524.6	525.1	524.6	524.1	523.5
165°	529.9	529.8	529.7	529.9	530.5	531.0	531.5	532.1	531.5	531.0	530.5
167.5°	534.9	534.8	534.8	535.0	535.6	536.2	536.7	537.3	536.7	536.2	535.6
170°	537.5	537.4	537.3	537.6	538.2	538.9	539.6	540.2	539.6	538.9	538.2
172.5°	539.7	539.5	539.4	539.6	540.2	540.8	541.4	542.1	541.4	540.8	540.2
175°	542.0	541.9	541.8	542.1	542.6	543.1	543.7	544.2	543.7	543.1	542.6
177.5°	543.4	543.3	543.2	543.4	543.9	544.3	544.7	545.2	544.7	544.3	543.9
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	784.3	781.2	778.8	773.4	770.4	766.3	763.1	766.6	762.9	764.5	762.1
5°	759.8	750.3	743.5	733.7	725.2	717.5	711.7	710.7	707.9	706.6	702.6
7.5°	730.4	718.5	706.9	694.0	683.1	672.2	665.0	659.2	655.4	650.3	646.8
10°	713.0	697.1	683.6	668.0	654.4	642.6	633.1	628.4	623.9	617.5	615.2
12.5°	691.6	675.2	658.6	641.9	629.0	615.7	607.6	600.5	597.4	590.1	589.4
15°	665.9	641.2	625.0	608.1	590.0	579.3	572.5	564.7	561.3	556.2	552.5
17.5°	635.3	613.2	592.9	575.4	560.0	550.9	542.4	537.1	531.3	528.0	521.8
20°	613.1	592.1	571.8	553.1	541.3	530.8	524.1	519.0	512.8	511.1	505.1
22.5°	594.4	571.2	551.7	536.1	523.2	511.3	504.0	500.5	496.3	491.1	489.9
25°	564.0	539.9	523.3	507.7	496.2	485.4	480.4	475.9	471.9	468.1	466.8
27.5°	537.7	516.2	496.5	482.4	472.4	462.5	458.1	452.7	449.7	446.7	443.1
30°	519.3	497.3	480.0	466.5	455.6	446.8	442.0	438.4	435.6	432.9	430.9
32.5°	500.3	479.9	463.2	450.0	439.1	432.5	428.2	425.6	422.6	419.4	416.8
35°	475.3	452.9	436.7	425.1	416.6	411.5	406.8	404.5	401.1	401.1	398.3
37.5°	447.0	427.7	413.3	402.8	395.2	390.7	385.6	384.0	381.7	380.3	379.4
40°	430.2	412.2	398.7	388.2	380.0	376.3	372.3	369.5	368.2	366.5	365.9
42.5°	412.9	395.7	382.7	373.0	366.0	362.7	359.0	357.1	354.4	352.1	351.8
45°	386.5	369.9	358.0	350.3	344.2	340.5	338.0	334.0	332.6	329.9	329.6
47.5°	361.5	345.5	333.9	327.5	322.2	319.1	315.4	311.4	309.8	308.4	308.4
50°	342.8	328.2	317.4	311.3	306.2	301.8	298.1	295.4	294.4	294.4	295.1
52.5°	323.9	311.5	302.2	294.8	290.0	285.3	281.9	280.2	278.7	280.3	281.5
55°	296.0	283.6	276.8	269.7	264.9	259.5	257.8	257.1	256.1	258.8	260.1
57.5°	266.6	257.9	249.9	242.9	238.6	235.5	233.2	232.8	234.7	235.9	240.4
60°	248.0	237.8	230.7	225.2	220.2	218.1	217.5	216.8	218.1	221.9	227.7
62.5°	227.4	219.1	211.4	207.4	203.7	200.3	200.1	200.5	203.2	207.5	213.3
65°	197.2	190.0	184.9	180.2	177.2	175.1	175.8	177.2	180.2	186.0	192.4
67.5°	166.5	161.6	157.0	153.2	150.3	150.3	151.0	153.0	156.6	163.2	169.1
70°	146.7	141.2	137.5	135.8	133.5	132.2	134.1	137.5	140.5	146.7	151.8
72.5°	126.9	122.3	119.4	118.2	117.2	116.1	116.8	120.5	124.6	130.7	136.6
75°	97.6	95.9	93.8	92.5	91.5	92.1	92.8	96.2	99.6	106.0	112.8
77.5°	71.2	69.5	68.2	67.9	67.3	67.7	69.6	72.1	75.4	80.1	85.2
80°	53.9	53.1	52.5	52.2	52.2	52.5	55.2	56.9	59.9	64.4	68.4
82.5°	39.2	38.8	38.7	38.6	38.9	39.0	40.6	42.8	45.3	48.7	52.2
85°	20.7	20.0	21.0	21.3	20.7	21.7	22.4	23.7	24.7	26.4	28.1
87.5°	7.4	8.1	7.9	8.4	8.5	9.2	9.0	10.2	10.8	11.4	11.2
90°	3.3	3.9	4.5	5.2	5.8	6.4	6.9	7.3	7.8	8.2	8.6
92.5°	4.2	4.2	4.8	5.4	5.9	6.4	6.9	7.3	7.8	8.2	8.6
95°	21.9	20.1	16.7	13.3	9.9	6.4	6.9	7.3	7.8	8.2	8.5
97.5°	49.9	46.8	40.0	33.3	26.6	19.9	17.3	14.8	12.3	9.7	8.5
100°	68.5	68.8	69.1	69.5	69.8	70.2	56.8	43.5	30.1	16.8	9.9
102.5°	88.5	88.7	88.9	89.1	89.3	89.5	87.0	84.5	81.9	79.5	75.2
105°	120.0	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2
107.5°	151.3	151.4	151.6	151.8	151.9	152.1	152.2	152.2	152.2	152.2	152.1
110°	172.6	172.7	172.9	173.1	173.3	173.4	173.2	172.9	172.6	172.4	172.3



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	193.5	193.7	193.8	193.9	194.0	194.1	193.8	193.4	193.1	192.8	192.5
115°	224.4	224.7	224.8	224.9	225.0	225.1	224.7	224.4	224.0	223.6	223.2
117.5°	253.7	253.9	254.1	254.5	254.9	255.2	254.8	254.2	253.8	253.3	253.0
120°	272.8	272.9	273.1	273.4	273.7	273.9	273.8	273.6	273.4	273.2	272.9
122.5°	291.6	291.8	291.9	292.0	292.2	292.3	292.1	291.9	291.8	291.6	291.2
125°	319.1	319.5	319.5	319.5	319.5	319.5	319.1	318.8	318.4	318.1	317.7
127.5°	343.8	343.9	343.8	343.8	343.8	343.7	343.5	343.3	343.1	343.0	342.5
130°	359.2	359.4	359.5	359.6	359.7	359.8	359.5	359.3	359.0	358.7	358.4
132.5°	375.0	375.1	375.0	374.8	374.5	374.3	374.3	374.3	374.2	374.2	373.9
135°	397.1	397.3	397.1	396.9	396.7	396.5	396.4	396.2	396.0	395.8	395.5
137.5°	417.1	417.2	417.1	416.9	416.7	416.5	416.6	416.6	416.7	416.7	416.5
140°	429.1	429.2	429.1	429.0	428.9	428.8	429.0	429.2	429.4	429.5	429.4
142.5°	440.8	440.9	441.0	441.1	441.3	441.4	441.4	441.5	441.5	441.6	441.3
145°	458.6	458.7	458.7	458.7	458.7	458.7	458.8	458.9	459.0	459.1	458.8
147.5°	473.1	473.1	473.2	473.3	473.4	473.5	473.6	473.8	473.9	473.9	473.7
150°	482.1	482.1	482.3	482.5	482.7	482.9	483.0	483.2	483.4	483.6	483.3
152.5°	490.6	490.5	490.7	490.9	491.1	491.2	491.4	491.6	491.8	492.0	491.8
155°	502.1	501.9	502.1	502.3	502.5	502.7	502.9	503.2	503.5	503.7	503.5
157.5°	512.2	512.1	512.1	512.1	512.1	512.2	512.5	512.7	513.0	513.3	513.1
160°	517.8	517.6	517.7	517.8	517.9	518.0	518.4	518.7	519.1	519.4	519.2
162.5°	523.0	522.8	522.9	523.0	523.1	523.2	523.6	524.1	524.7	525.1	525.0
165°	529.9	529.7	529.8	529.9	529.9	530.0	530.6	531.2	531.7	532.3	532.2
167.5°	535.0	534.8	534.8	534.9	535.0	535.1	535.8	536.5	537.1	537.7	537.7
170°	537.6	537.3	537.4	537.5	537.6	537.7	538.4	539.1	539.9	540.6	540.6
172.5°	539.6	539.4	539.5	539.7	539.8	540.0	540.6	541.3	541.9	542.6	542.5
175°	542.1	541.8	541.9	542.0	542.1	542.2	542.9	543.6	544.3	545.0	545.0
177.5°	543.4	543.2	543.3	543.4	543.5	543.6	544.0	544.6	545.0	545.5	545.5
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	760.4	762.3	760.7	762.9	760.7	762.3	760.4	762.1	764.5	762.9	766.6
5°	700.9	697.8	699.8	698.5	699.8	697.8	700.9	702.6	706.6	707.9	710.7
7.5°	645.9	642.9	639.6	638.0	639.6	642.9	645.9	646.8	650.3	655.4	659.2
10°	611.4	607.7	607.3	605.0	607.3	607.7	611.4	615.2	617.5	623.9	628.4
12.5°	586.2	582.7	578.9	577.9	578.9	582.7	586.2	589.4	590.1	597.4	600.5
15°	550.5	547.8	545.4	547.4	545.4	547.8	550.5	552.5	556.2	561.3	564.7
17.5°	520.7	518.4	518.1	515.6	518.1	518.4	520.7	521.8	528.0	531.3	537.1
20°	502.0	500.3	501.0	496.6	501.0	500.3	502.0	505.1	511.1	512.8	519.0
22.5°	487.1	483.8	483.4	482.5	483.4	483.8	487.1	489.9	491.1	496.3	500.5
25°	463.8	462.1	460.4	462.1	460.4	462.1	463.8	466.8	468.1	471.9	475.9
27.5°	443.4	441.3	440.9	441.0	440.9	441.3	443.4	443.1	446.7	449.7	452.7
30°	430.9	427.5	427.8	427.5	427.8	427.5	430.9	430.9	432.9	435.6	438.4
32.5°	417.3	415.0	414.6	413.9	414.6	415.0	417.3	416.8	419.4	422.6	425.6
35°	397.3	397.3	395.7	395.7	395.7	397.3	397.3	398.3	401.1	401.1	404.5
37.5°	378.5	378.3	377.2	377.4	377.2	378.3	378.5	379.4	380.3	381.7	384.0
40°	364.4	364.2	363.1	361.1	363.1	364.2	364.4	365.9	366.5	368.2	369.5
42.5°	351.0	349.8	349.3	348.7	349.3	349.8	351.0	351.8	352.1	354.4	357.1
45°	329.6	329.6	329.0	328.6	329.0	329.6	329.6	329.6	329.9	332.6	334.0
47.5°	308.9	309.5	310.8	310.6	310.8	309.5	308.9	308.4	308.4	309.8	311.4
50°	296.4	296.8	297.7	298.1	297.7	296.8	296.4	295.1	294.4	294.4	295.4
52.5°	282.6	284.5	285.8	285.6	285.8	284.5	282.6	281.5	280.3	278.7	280.2
55°	263.2	265.6	268.0	268.3	268.0	265.6	263.2	260.1	258.8	256.1	257.1
57.5°	244.1	247.4	249.9	250.7	249.9	247.4	244.1	240.4	235.9	234.7	232.8
60°	231.0	235.4	238.4	239.9	238.4	235.4	231.0	227.7	221.9	218.1	216.8
62.5°	218.6	223.5	226.6	226.9	226.6	223.5	218.6	213.3	207.5	203.2	200.5
65°	198.1	203.2	206.0	207.9	206.0	203.2	198.1	192.4	186.0	180.2	177.2
67.5°	176.2	181.3	184.3	185.9	184.3	181.3	176.2	169.1	163.2	156.6	153.0
70°	160.2	165.3	169.3	170.8	169.3	165.3	160.2	151.8	146.7	140.5	137.5
72.5°	144.5	149.0	152.3	153.9	152.3	149.0	144.5	136.6	130.7	124.6	120.5
75°	117.2	123.3	126.4	128.0	126.4	123.3	117.2	112.8	106.0	99.6	96.2
77.5°	90.4	95.9	97.7	98.6	97.7	95.9	90.4	85.2	80.1	75.4	72.1
80°	72.5	75.9	78.3	78.6	78.3	75.9	72.5	68.4	64.4	59.9	56.9
82.5°	55.7	58.5	59.3	60.2	59.3	58.5	55.7	52.2	48.7	45.3	42.8
85°	30.5	31.8	32.2	31.8	32.2	31.8	30.5	28.1	26.4	24.7	23.7
87.5°	11.8	11.6	11.7	12.2	11.7	11.6	11.8	11.2	11.4	10.8	10.2
90°	8.9	9.2	9.5	9.7	9.5	9.2	8.9	8.6	8.2	7.8	7.3
92.5°	8.6	8.8	8.9	9.0	8.9	8.8	8.6	8.6	8.2	7.8	7.3
95°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.2	7.8	7.3
97.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.7	12.3	14.8
100°	9.5	9.2	8.8	8.5	8.8	9.2	9.5	9.9	16.8	30.1	43.5
102.5°	69.0	63.0	56.8	50.7	56.8	63.0	69.0	75.2	79.5	81.9	84.5
105°	120.1	120.0	119.9	119.8	119.9	120.0	120.1	120.2	120.2	120.2	120.2
107.5°	151.9	151.6	151.3	151.1	151.3	151.6	151.9	152.1	152.2	152.2	152.2
110°	172.4	172.5	172.5	172.6	172.5	172.5	172.4	172.3	172.4	172.6	172.9



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	192.4	192.3	192.2	192.0	192.2	192.3	192.4	192.5	192.8	193.1	193.4
115°	222.7	222.1	221.6	221.1	221.6	222.1	222.7	223.2	223.6	224.0	224.4
117.5°	252.7	252.5	252.3	252.1	252.3	252.5	252.7	253.0	253.3	253.8	254.2
120°	272.4	272.0	271.5	271.1	271.5	272.0	272.4	272.9	273.2	273.4	273.6
122.5°	290.7	290.2	289.7	289.2	289.7	290.2	290.7	291.2	291.6	291.8	291.9
125°	317.4	317.2	316.9	316.6	316.9	317.2	317.4	317.7	318.1	318.4	318.8
127.5°	341.8	341.2	340.5	339.8	340.5	341.2	341.8	342.5	343.0	343.1	343.3
130°	357.9	357.5	357.0	356.6	357.0	357.5	357.9	358.4	358.7	359.0	359.3
132.5°	373.4	373.0	372.6	372.1	372.6	373.0	373.4	373.9	374.2	374.2	374.3
135°	394.9	394.4	393.9	393.3	393.9	394.4	394.9	395.5	395.8	396.0	396.2
137.5°	416.0	415.5	415.1	414.6	415.1	415.5	416.0	416.5	416.7	416.7	416.6
140°	428.8	428.3	427.8	427.2	427.8	428.3	428.8	429.4	429.5	429.4	429.2
142.5°	440.8	440.2	439.7	439.2	439.7	440.2	440.8	441.3	441.6	441.5	441.5
145°	458.3	457.7	457.2	456.6	457.2	457.7	458.3	458.8	459.1	459.0	458.9
147.5°	473.1	472.4	471.7	471.1	471.7	472.4	473.1	473.7	473.9	473.9	473.8
150°	482.6	481.9	481.2	480.5	481.2	481.9	482.6	483.3	483.6	483.4	483.2
152.5°	491.1	490.4	489.8	489.2	489.8	490.4	491.1	491.8	492.0	491.8	491.6
155°	502.7	502.0	501.3	500.6	501.3	502.0	502.7	503.5	503.7	503.5	503.2
157.5°	512.4	511.7	511.0	510.2	511.0	511.7	512.4	513.1	513.3	513.0	512.7
160°	518.5	517.8	517.1	516.4	517.1	517.8	518.5	519.2	519.4	519.1	518.7
162.5°	524.2	523.4	522.6	521.8	522.6	523.4	524.2	525.0	525.1	524.7	524.1
165°	531.5	530.7	529.9	529.2	529.9	530.7	531.5	532.2	532.3	531.7	531.2
167.5°	536.8	536.0	535.2	534.4	535.2	536.0	536.8	537.7	537.7	537.1	536.5
170°	539.8	539.0	538.1	537.3	538.1	539.0	539.8	540.6	540.6	539.9	539.1
172.5°	541.7	540.9	540.1	539.3	540.1	540.9	541.7	542.5	542.6	541.9	541.3
175°	544.2	543.4	542.6	541.8	542.6	543.4	544.2	545.0	545.0	544.3	543.6
177.5°	544.9	544.4	543.8	543.2	543.8	544.4	544.9	545.5	545.5	545.0	544.6
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	763.1	766.3	770.4	773.4	778.8	781.2	784.3	786.7	791.0	795.0	800.0
5°	711.7	717.5	725.2	733.7	743.5	750.3	759.8	765.5	777.0	787.6	797.7
7.5°	665.0	672.2	683.1	694.0	706.9	718.5	730.4	743.5	758.2	775.6	790.0
10°	633.1	642.6	654.4	668.0	683.6	697.1	713.0	727.3	745.2	765.5	784.5
12.5°	607.6	615.7	629.0	641.9	658.6	675.2	691.6	710.5	731.4	753.9	777.8
15°	572.5	579.3	590.0	608.1	625.0	641.2	665.9	683.6	710.0	735.0	763.8
17.5°	542.4	550.9	560.0	575.4	592.9	613.2	635.3	657.5	682.9	714.7	747.2
20°	524.1	530.8	541.3	553.1	571.8	592.1	613.1	635.4	666.6	699.5	734.4
22.5°	504.0	511.3	523.2	536.1	551.7	571.2	594.4	618.9	651.5	683.8	721.7
25°	480.4	485.4	496.2	507.7	523.3	539.9	564.0	591.1	623.3	660.2	698.8
27.5°	458.1	462.5	472.4	482.4	496.5	516.2	537.7	565.1	595.4	632.8	675.6
30°	442.0	446.8	455.6	466.5	480.0	497.3	519.3	545.0	577.6	614.1	658.9
32.5°	428.2	432.5	439.1	450.0	463.2	479.9	500.3	526.6	559.1	596.3	640.2
35°	406.8	411.5	416.6	425.1	436.7	452.9	475.3	500.0	531.1	567.0	607.3
37.5°	385.6	390.7	395.2	402.8	413.3	427.7	447.0	472.8	501.0	535.6	574.3
40°	372.3	376.3	380.0	388.2	398.7	412.2	430.2	453.3	483.0	515.2	547.4
42.5°	359.0	362.7	366.0	373.0	382.7	395.7	412.9	435.3	463.0	493.0	521.4
45°	338.0	340.5	344.2	350.3	358.0	369.9	386.5	406.5	429.9	458.3	479.7
47.5°	315.4	319.1	322.2	327.5	333.9	345.5	361.5	378.5	399.8	420.9	435.9
50°	298.1	301.8	306.2	311.3	317.4	328.2	342.8	360.1	378.0	394.3	407.2
52.5°	281.9	285.3	290.0	294.8	302.2	311.5	323.9	339.2	356.9	368.5	379.2
55°	257.8	259.5	264.9	269.7	276.8	283.6	296.0	309.6	320.5	329.2	338.0
57.5°	233.2	235.5	238.6	242.9	249.9	257.9	266.6	278.7	285.0	289.5	296.4
60°	217.5	218.1	220.2	225.2	230.7	237.8	248.0	256.5	261.2	264.9	270.6
62.5°	200.1	200.3	203.7	207.4	211.4	219.1	227.4	234.2	238.2	240.0	245.5
65°	175.8	175.1	177.2	180.2	184.9	190.0	197.2	203.2	202.9	204.9	208.3
67.5°	151.0	150.3	150.3	153.2	157.0	161.6	166.5	170.0	170.0	172.7	174.4
70°	134.1	132.2	133.5	135.8	137.5	141.2	146.7	148.0	148.4	149.7	151.4
72.5°	116.8	116.1	117.2	118.2	119.4	122.3	126.9	127.7	127.8	128.6	131.3
75°	92.8	92.1	91.5	92.5	93.8	95.9	97.6	98.9	98.5	98.9	100.9
77.5°	69.6	67.7	67.3	67.9	68.2	69.5	71.2	71.1	71.4	71.3	73.7
80°	55.2	52.5	52.2	52.2	52.5	53.1	53.9	54.6	53.5	54.6	55.2
82.5°	40.6	39.0	38.9	38.6	38.7	38.8	39.2	39.6	39.4	39.9	40.3
85°	22.4	21.7	20.7	21.3	21.0	20.0	20.7	19.6	19.4	19.6	20.0
87.5°	9.0	9.2	8.5	8.4	7.9	8.1	7.4	7.0	6.6	6.7	7.4
90°	6.9	6.4	5.8	5.2	4.5	3.9	3.3	2.6	1.9	1.2	0.4
92.5°	6.9	6.4	5.9	5.4	4.8	4.2	4.2	4.7	5.2	5.7	6.2
95°	6.9	6.4	9.9	13.3	16.7	20.1	21.9	22.2	22.5	22.7	23.0
97.5°	17.3	19.9	26.6	33.3	40.0	46.8	49.9	49.5	49.0	48.5	48.0
100°	56.8	70.2	69.8	69.5	69.1	68.8	68.5	68.2	67.9	67.7	67.3
102.5°	87.0	89.5	89.3	89.1	88.9	88.7	88.5	88.1	87.7	87.4	87.0
105°	120.2	120.2	120.2	120.2	120.2	120.2	120.0	119.7	119.3	119.0	118.6
107.5°	152.2	152.1	151.9	151.8	151.6	151.4	151.3	151.3	151.3	151.3	151.3
110°	173.2	173.4	173.3	173.1	172.9	172.7	172.6	172.6	172.6	172.6	172.6



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	193.8	194.1	194.0	193.9	193.8	193.7	193.5	193.3	193.1	192.9	192.7
115°	224.7	225.1	225.0	224.9	224.8	224.7	224.4	224.0	223.6	223.1	222.7
117.5°	254.8	255.2	254.9	254.5	254.1	253.9	253.7	253.7	253.7	253.7	253.8
120°	273.8	273.9	273.7	273.4	273.1	272.9	272.8	272.9	273.0	273.0	273.1
122.5°	292.1	292.3	292.2	292.0	291.9	291.8	291.6	291.2	290.9	290.5	290.3
125°	319.1	319.5	319.5	319.5	319.5	319.5	319.1	318.5	317.9	317.3	316.6
127.5°	343.5	343.7	343.8	343.8	343.8	343.9	343.8	343.3	342.9	342.4	341.9
130°	359.5	359.8	359.7	359.6	359.5	359.4	359.2	358.7	358.3	357.8	357.4
132.5°	374.3	374.3	374.5	374.8	375.0	375.1	375.0	374.4	374.0	373.4	372.9
135°	396.4	396.5	396.7	396.9	397.1	397.3	397.1	396.5	396.0	395.5	394.9
137.5°	416.6	416.5	416.7	416.9	417.1	417.2	417.1	416.6	416.1	415.6	415.2
140°	429.0	428.8	428.9	429.0	429.1	429.2	429.1	428.9	428.7	428.6	428.4
142.5°	441.4	441.4	441.3	441.1	441.0	440.9	440.8	440.7	440.6	440.5	440.3
145°	458.8	458.7	458.7	458.7	458.7	458.7	458.6	458.4	458.3	458.1	457.9
147.5°	473.6	473.5	473.4	473.3	473.2	473.1	473.1	473.1	473.1	473.1	473.2
150°	483.0	482.9	482.7	482.5	482.3	482.1	482.1	482.3	482.5	482.7	482.9
152.5°	491.4	491.2	491.1	490.9	490.7	490.5	490.6	491.1	491.4	491.9	492.2
155°	502.9	502.7	502.5	502.3	502.1	501.9	502.1	502.7	503.2	503.7	504.3
157.5°	512.5	512.2	512.1	512.1	512.1	512.1	512.2	512.6	512.9	513.2	513.5
160°	518.4	518.0	517.9	517.8	517.7	517.6	517.8	518.4	518.9	519.4	520.0
162.5°	523.6	523.2	523.1	523.0	522.9	522.8	523.0	523.5	524.1	524.6	525.1
165°	530.6	530.0	529.9	529.9	529.8	529.7	529.9	530.5	531.0	531.5	532.1
167.5°	535.8	535.1	535.0	534.9	534.8	534.8	535.0	535.6	536.2	536.7	537.3
170°	538.4	537.7	537.6	537.5	537.4	537.3	537.6	538.2	538.9	539.6	540.2
172.5°	540.6	540.0	539.8	539.7	539.5	539.4	539.6	540.2	540.8	541.4	542.1
175°	542.9	542.2	542.1	542.0	541.9	541.8	542.1	542.6	543.1	543.7	544.2
177.5°	544.0	543.6	543.5	543.4	543.3	543.2	543.4	543.9	544.3	544.7	545.2
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	802.5	806.2	808.6	813.2	817.1	819.2	821.1	822.7	824.7	826.3	830.9
5°	807.5	816.4	823.9	835.4	845.9	854.0	862.7	870.6	877.0	886.2	893.2
7.5°	805.3	821.0	837.4	855.2	873.4	890.4	905.9	920.5	933.7	949.7	963.7
10°	803.2	824.5	845.5	869.5	894.3	915.3	935.0	954.9	969.5	989.8	1007.1
12.5°	801.6	826.7	852.0	880.9	908.1	937.7	963.9	978.5	1000.7	1016.9	1037.4
15°	794.7	827.9	862.7	895.3	933.9	961.4	984.4	1012.8	1033.5	1054.2	1076.5
17.5°	782.4	820.0	859.1	901.7	938.7	968.2	997.8	1025.3	1050.0	1077.6	1105.5
20°	776.8	814.3	859.1	902.8	939.0	969.8	1000.3	1030.5	1057.6	1093.1	1125.2
22.5°	764.8	810.3	851.5	894.0	931.4	964.9	999.5	1033.7	1069.7	1109.9	1150.2
25°	743.5	789.6	833.3	875.3	912.9	954.9	991.8	1037.6	1083.6	1136.8	1187.0
27.5°	721.5	765.5	805.6	846.1	890.0	937.5	985.4	1037.3	1097.7	1164.8	1235.6
30°	703.6	745.2	784.2	825.8	871.6	925.1	977.6	1039.3	1109.0	1184.5	1268.5
32.5°	682.7	721.1	759.0	803.1	852.9	909.4	970.5	1038.1	1122.0	1207.9	1294.3
35°	647.0	679.2	718.1	765.2	821.4	886.2	957.0	1036.9	1133.1	1231.6	1304.5
37.5°	604.7	634.6	675.6	727.3	786.2	855.7	939.7	1034.5	1136.7	1215.2	1238.8
40°	576.2	604.0	646.7	700.2	760.5	834.0	926.1	1026.4	1125.2	1175.5	1156.1
42.5°	545.8	575.0	616.6	669.6	734.4	814.5	909.0	1009.3	1092.3	1111.2	1044.5
45°	497.9	528.1	569.1	622.6	692.4	779.1	877.7	968.8	1016.6	982.3	879.0
47.5°	453.4	481.7	519.7	574.9	646.9	736.6	831.5	904.2	908.0	826.3	716.0
50°	423.1	449.2	487.4	542.7	614.1	704.9	790.6	847.8	822.2	729.7	623.7
52.5°	393.2	418.8	456.6	511.2	581.9	665.0	744.8	785.0	736.5	641.6	551.0
55°	350.3	372.6	409.6	460.0	527.1	604.3	672.1	685.9	622.9	529.4	455.9
57.5°	308.3	329.1	362.7	409.2	470.5	539.0	591.9	589.0	522.4	442.1	383.8
60°	279.8	300.1	329.9	375.3	431.2	490.2	535.6	524.7	458.7	389.6	340.5
62.5°	254.3	272.5	300.7	340.4	391.4	445.9	483.2	467.3	402.5	342.1	303.3
65°	216.8	232.0	256.1	290.0	332.3	377.4	406.2	385.5	330.3	283.2	252.0
67.5°	180.9	193.1	213.3	240.4	276.5	312.6	330.2	309.4	265.2	230.9	207.8
70°	158.2	169.1	184.6	208.7	240.1	270.6	283.8	265.2	227.3	197.8	181.2
72.5°	135.5	144.4	158.1	179.7	204.9	231.4	242.9	225.2	193.9	169.1	153.6
75°	104.7	110.8	120.3	135.2	155.2	176.1	182.6	167.0	147.0	128.4	118.2
77.5°	74.9	80.1	87.3	96.7	110.8	124.2	129.8	120.8	105.3	93.5	85.2
80°	57.6	60.3	66.4	74.2	85.3	93.8	97.6	91.8	81.0	72.1	65.7
82.5°	41.0	43.8	47.4	53.9	61.0	66.7	70.7	66.9	59.0	52.1	48.3
85°	20.0	21.7	23.7	26.4	31.8	35.2	34.9	32.5	29.4	26.8	24.7
87.5°	7.3	7.7	8.6	10.2	11.1	12.3	12.9	12.6	11.6	10.9	10.2
90°	1.2	1.9	2.6	3.3	3.9	4.5	5.2	5.8	6.4	6.9	7.3
92.5°	5.7	5.2	4.7	4.2	4.2	4.8	5.4	5.9	6.4	6.9	7.3
95°	22.7	22.5	22.2	21.9	20.1	16.7	13.3	9.9	6.4	6.9	7.3
97.5°	48.5	49.0	49.5	49.9	46.8	40.0	33.3	26.6	19.9	17.3	14.8
100°	67.7	67.9	68.2	68.5	68.8	69.1	69.5	69.8	70.2	56.8	43.5
102.5°	87.4	87.7	88.1	88.5	88.7	88.9	89.1	89.3	89.5	87.0	84.5
105°	119.0	119.3	119.7	120.0	120.2	120.2	120.2	120.2	120.2	120.2	120.2
107.5°	151.3	151.3	151.3	151.3	151.4	151.6	151.8	151.9	152.1	152.2	152.2
110°	172.6	172.6	172.6	172.6	172.7	172.9	173.1	173.3	173.4	173.2	172.9





TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	192.9	193.1	193.3	193.5	193.7	193.8	193.9	194.0	194.1	193.8	193.4
115°	223.1	223.6	224.0	224.4	224.7	224.8	224.9	225.0	225.1	224.7	224.4
117.5°	253.7	253.7	253.7	253.7	253.9	254.1	254.5	254.9	255.2	254.8	254.2
120°	273.0	273.0	272.9	272.8	272.9	273.1	273.4	273.7	273.9	273.8	273.6
122.5°	290.5	290.9	291.2	291.6	291.8	291.9	292.0	292.2	292.3	292.1	291.9
125°	317.3	317.9	318.5	319.1	319.5	319.5	319.5	319.5	319.5	319.1	318.8
127.5°	342.4	342.9	343.3	343.8	343.9	343.8	343.8	343.8	343.7	343.5	343.3
130°	357.8	358.3	358.7	359.2	359.4	359.5	359.6	359.7	359.8	359.5	359.3
132.5°	373.4	374.0	374.4	375.0	375.1	375.0	374.8	374.5	374.3	374.3	374.3
135°	395.5	396.0	396.5	397.1	397.3	397.1	396.9	396.7	396.5	396.4	396.2
137.5°	415.6	416.1	416.6	417.1	417.2	417.1	416.9	416.7	416.5	416.6	416.6
140°	428.6	428.7	428.9	429.1	429.2	429.1	429.0	428.9	428.8	429.0	429.2
142.5°	440.5	440.6	440.7	440.8	440.9	441.0	441.1	441.3	441.4	441.4	441.5
145°	458.1	458.3	458.4	458.6	458.7	458.7	458.7	458.7	458.7	458.8	458.9
147.5°	473.1	473.1	473.1	473.1	473.1	473.2	473.3	473.4	473.5	473.6	473.8
150°	482.7	482.5	482.3	482.1	482.1	482.3	482.5	482.7	482.9	483.0	483.2
152.5°	491.9	491.4	491.1	490.6	490.5	490.7	490.9	491.1	491.2	491.4	491.6
155°	503.7	503.2	502.7	502.1	501.9	502.1	502.3	502.5	502.7	502.9	503.2
157.5°	513.2	512.9	512.6	512.2	512.1	512.1	512.1	512.1	512.2	512.5	512.7
160°	519.4	518.9	518.4	517.8	517.6	517.7	517.8	517.9	518.0	518.4	518.7
162.5°	524.6	524.1	523.5	523.0	522.8	522.9	523.0	523.1	523.2	523.6	524.1
165°	531.5	531.0	530.5	529.9	529.7	529.8	529.9	529.9	530.0	530.6	531.2
167.5°	536.7	536.2	535.6	535.0	534.8	534.8	534.9	535.0	535.1	535.8	536.5
170°	539.6	538.9	538.2	537.6	537.3	537.4	537.5	537.6	537.7	538.4	539.1
172.5°	541.4	540.8	540.2	539.6	539.4	539.5	539.7	539.8	540.0	540.6	541.3
175°	543.7	543.1	542.6	542.1	541.8	541.9	542.0	542.1	542.2	542.9	543.6
177.5°	544.7	544.3	543.9	543.4	543.2	543.3	543.4	543.5	543.6	544.0	544.6
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2	544.2



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	798.1	798.1	798.1	798.1	798.1	798.1	798.1
2.5°	834.6	836.8	841.4	839.8	842.0	843.0	844.2
5°	902.1	912.9	917.7	916.9	924.1	922.4	920.7
7.5°	978.2	989.6	996.0	1003.9	1008.5	1008.8	1012.8
10°	1021.3	1036.2	1042.3	1050.8	1056.2	1059.3	1058.9
12.5°	1054.4	1066.0	1079.7	1083.9	1091.2	1095.0	1093.6
15°	1094.1	1112.8	1126.9	1134.1	1143.3	1145.9	1149.7
17.5°	1129.6	1154.6	1171.3	1193.3	1201.7	1206.8	1203.7
20°	1156.5	1189.3	1205.9	1232.3	1246.9	1254.7	1252.0
22.5°	1188.2	1223.7	1254.5	1277.3	1299.5	1310.0	1312.2
25°	1242.5	1291.3	1336.3	1366.5	1393.9	1400.3	1414.6
27.5°	1303.2	1360.8	1408.9	1440.6	1459.7	1466.9	1471.3
30°	1341.4	1398.6	1434.9	1455.2	1461.3	1460.6	1460.0
32.5°	1360.1	1396.0	1402.9	1397.2	1383.3	1371.5	1359.1
35°	1333.6	1306.9	1266.9	1215.4	1177.5	1139.2	1135.4
37.5°	1199.4	1113.8	1047.3	973.0	930.1	903.7	885.3
40°	1073.1	975.9	895.3	832.6	788.9	771.7	754.7
42.5°	936.0	843.1	771.7	719.3	686.5	667.4	653.9
45°	760.5	678.5	622.6	584.7	558.6	543.7	535.2
47.5°	623.1	562.5	515.1	487.7	469.7	458.1	458.1
50°	549.5	491.5	460.0	438.4	422.8	413.6	415.3
52.5°	484.1	440.9	413.9	395.7	384.2	378.6	378.4
55°	404.8	373.6	356.1	342.8	335.0	328.6	329.9
57.5°	346.3	319.9	308.2	297.2	291.8	289.2	285.5
60°	310.0	289.6	279.5	270.6	265.2	263.2	259.5
62.5°	277.7	261.7	251.8	244.6	239.8	239.1	236.1
65°	233.4	221.2	212.4	209.0	203.9	202.6	202.6
67.5°	192.4	183.7	176.8	173.7	171.5	171.8	170.1
70°	166.7	159.5	155.2	151.8	150.1	150.4	149.0
72.5°	145.8	137.9	134.0	132.0	129.7	130.6	130.1
75°	110.4	106.4	104.3	102.3	100.9	100.2	99.6
77.5°	81.1	77.5	76.0	74.8	75.0	73.4	74.6
80°	62.7	59.7	58.6	56.9	56.5	56.5	56.3
82.5°	45.8	44.1	43.4	42.0	41.4	41.9	41.0
85°	23.7	22.4	22.0	22.0	21.3	20.7	22.4
87.5°	10.3	9.3	9.3	9.1	9.2	8.9	8.5
90°	7.8	8.2	8.6	8.9	9.2	9.5	9.7
92.5°	7.8	8.2	8.6	8.6	8.8	8.9	9.0
95°	7.8	8.2	8.5	8.5	8.5	8.5	8.5
97.5°	12.3	9.7	8.5	8.5	8.5	8.5	8.5
100°	30.1	16.8	9.9	9.5	9.2	8.8	8.5
102.5°	81.9	79.5	75.2	69.0	63.0	56.8	50.7
105°	120.2	120.2	120.2	120.1	120.0	119.9	119.8
107.5°	152.2	152.2	152.1	151.9	151.6	151.3	151.1
110°	172.6	172.4	172.3	172.4	172.5	172.5	172.6



TEST NUMBER: P333370-940

CATALOG NUMBER: S125DIW-S610D470U940-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	193.1	192.8	192.5	192.4	192.3	192.2	192.0
115°	224.0	223.6	223.2	222.7	222.1	221.6	221.1
117.5°	253.8	253.3	253.0	252.7	252.5	252.3	252.1
120°	273.4	273.2	272.9	272.4	272.0	271.5	271.1
122.5°	291.8	291.6	291.2	290.7	290.2	289.7	289.2
125°	318.4	318.1	317.7	317.4	317.2	316.9	316.6
127.5°	343.1	343.0	342.5	341.8	341.2	340.5	339.8
130°	359.0	358.7	358.4	357.9	357.5	357.0	356.6
132.5°	374.2	374.2	373.9	373.4	373.0	372.6	372.1
135°	396.0	395.8	395.5	394.9	394.4	393.9	393.3
137.5°	416.7	416.7	416.5	416.0	415.5	415.1	414.6
140°	429.4	429.5	429.4	428.8	428.3	427.8	427.2
142.5°	441.5	441.6	441.3	440.8	440.2	439.7	439.2
145°	459.0	459.1	458.8	458.3	457.7	457.2	456.6
147.5°	473.9	473.9	473.7	473.1	472.4	471.7	471.1
150°	483.4	483.6	483.3	482.6	481.9	481.2	480.5
152.5°	491.8	492.0	491.8	491.1	490.4	489.8	489.2
155°	503.5	503.7	503.5	502.7	502.0	501.3	500.6
157.5°	513.0	513.3	513.1	512.4	511.7	511.0	510.2
160°	519.1	519.4	519.2	518.5	517.8	517.1	516.4
162.5°	524.7	525.1	525.0	524.2	523.4	522.6	521.8
165°	531.7	532.3	532.2	531.5	530.7	529.9	529.2
167.5°	537.1	537.7	537.7	536.8	536.0	535.2	534.4
170°	539.9	540.6	540.6	539.8	539.0	538.1	537.3
172.5°	541.9	542.6	542.5	541.7	540.9	540.1	539.3
175°	544.3	545.0	545.0	544.2	543.4	542.6	541.8
177.5°	545.0	545.5	545.5	544.9	544.4	543.8	543.2
180°	544.2	544.2	544.2	544.2	544.2	544.2	544.2

(END OF REPORT)