

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: P333681-830

Luminaire Tested: **S125RDIW-S850D470U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333681-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S850D470U830-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

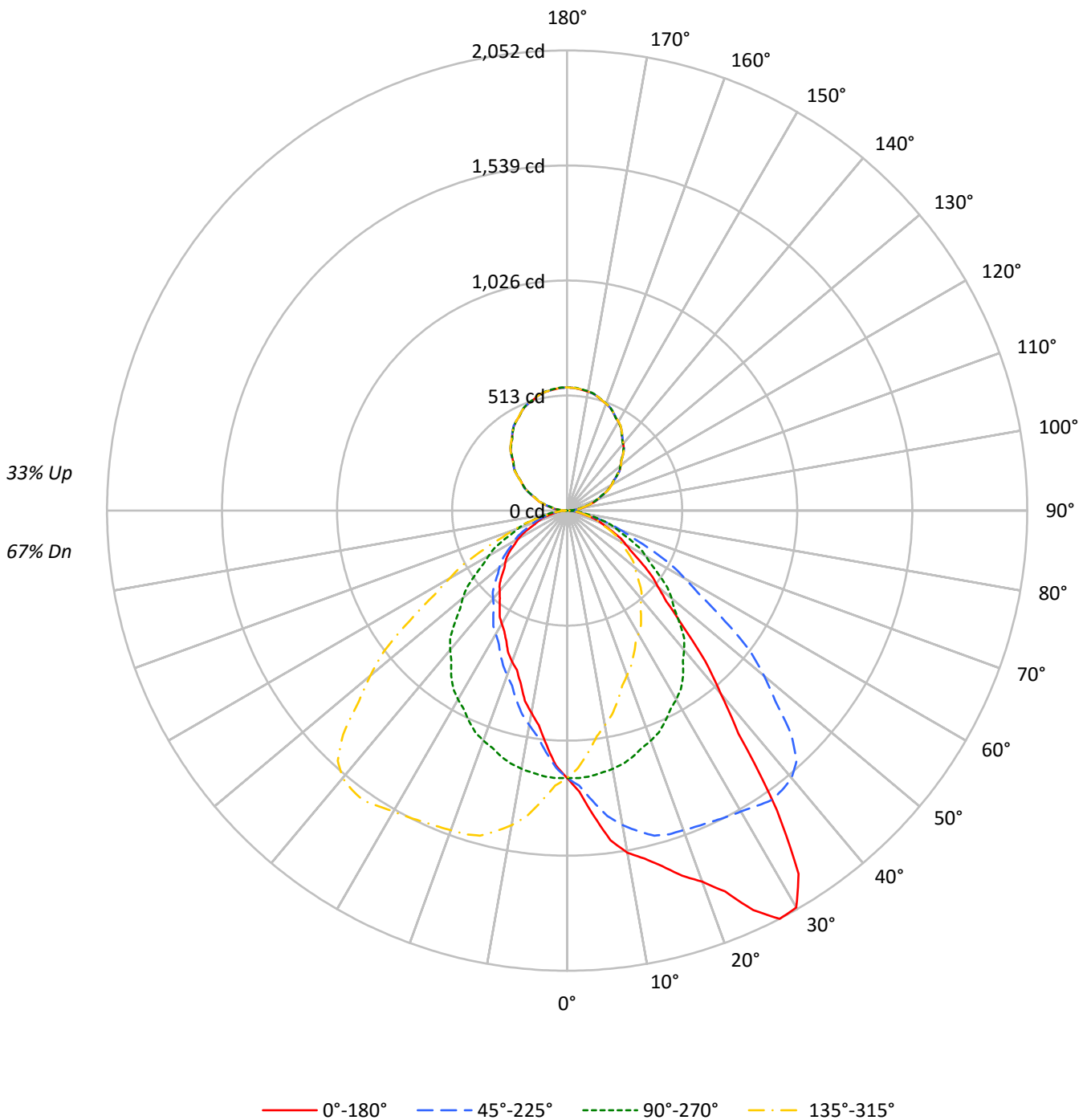
Lumens per Lamp: N/A  
Luminaire Lumens: 4621.9 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 37.7  
Input Voltage (V): 120  
Input Current (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	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	67
1	102	98	94	91	96	92	89	86	82	80	78	73	71	69	64	63	62	58
2	93	86	80	75	88	82	76	72	73	69	65	65	62	59	57	55	53	49
3	86	76	69	63	80	72	66	60	65	59	55	58	54	50	51	48	45	42
4	79	68	60	54	74	64	57	52	58	52	48	52	47	43	46	42	40	36
5	72	61	53	47	68	58	50	45	52	46	41	47	42	38	42	38	35	32
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	38	34	31	28
7	62	50	41	36	58	47	40	35	43	37	32	39	34	30	35	31	27	25
8	58	45	37	32	54	43	36	31	39	33	29	35	30	27	32	28	25	22
9	54	41	34	29	51	39	32	28	36	30	26	33	28	24	29	25	22	20
10	50	38	31	26	47	36	30	25	33	27	23	30	25	22	27	23	20	18

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

	0°	90°	180°	270°
0°	7700	7700	7700	7700
5°	8858	7710	6809	7710
10°	10161	7671	6008	7671
15°	10975	7592	5340	7592
20°	12103	7501	4931	7501
25°	14006	7380	4576	7380
30°	15242	7252	4343	7252
35°	12857	7104	4129	7104
40°	8979	6837	3945	6837
45°	6660	6477	3764	6477
50°	5311	6103	3609	6103
55°	4507	5638	3471	5638
60°	3894	5222	3250	5222
65°	3470	4772	2797	4772
70°	3051	4371	2551	4371
75°	2640	3785	2395	3785
80°	2001	3187	2001	3187
85°	1667	2497	1882	2497



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.3	2.5
10°-20°	335.0	7.2
20°-30°	531.2	11.5
30°-40°	640.6	13.9
40°-50°	572.1	12.4
50°-60°	438.7	9.5
60°-70°	285.1	6.2
70°-80°	138.6	3.0
80°-90°	34.3	0.7
90°-100°	36.8	0.8
100°-110°	108.6	2.3
110°-120°	183.9	4.0
120°-130°	242.0	5.2
130°-140°	271.2	5.9
140°-150°	265.8	5.8
150°-160°	223.2	4.8
160°-170°	148.4	3.2
170°-180°	51.9	1.1
0°-30°	980.6	21.2
0°-40°	1621.2	35.1
0°-60°	2632.0	56.9
0°-90°	3090.0	66.9
90°-120°	329.3	7.1
90°-150°	1108.3	24.0
90°-180°	1532.0	33.1
0°-180°	4621.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1192	1192	1192	1192	1192	
5°	1366	1189	1050	1189	1366	137
15°	1642	1136	799	1136	1642	470
25°	1966	1036	642	1036	1966	902
35°	1631	901	524	901	1631	985
45°	729	709	412	709	729	582
55°	400	501	308	501	400	363
65°	227	312	183	312	227	226
75°	106	152	96	152	106	113
85°	22	34	25	34	22	26
90°	10	0	10	0	10	7
95°	37	28	37	28	37	37
105°	106	97	106	97	106	112
115°	186	184	186	184	186	184
125°	270	269	270	269	270	241
135°	351	349	351	349	351	271
145°	425	423	425	423	425	265
155°	484	484	484	484	484	223
165°	526	527	526	527	526	148
175°	546	548	546	548	546	52
180°	549	549	549	549	549	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1254.1	1253.3	1254.9	1250.6	1250.9	1244.3	1244.3	1239.2	1232.6	1227.5	1225.1
5°	1366.4	1367.4	1365.5	1358.1	1353.2	1345.9	1337.6	1322.9	1310.6	1298.9	1289.6
7.5°	1482.1	1482.8	1476.4	1474.1	1461.8	1452.7	1434.3	1414.3	1396.6	1374.0	1356.9
10°	1549.4	1549.0	1542.2	1536.7	1526.0	1512.3	1494.2	1470.6	1448.7	1424.2	1400.7
12.5°	1588.7	1587.3	1585.2	1578.7	1568.7	1556.5	1541.2	1518.1	1490.9	1464.1	1436.7
15°	1641.5	1638.0	1631.7	1623.3	1609.2	1595.0	1577.9	1557.4	1531.3	1501.0	1475.6
17.5°	1706.9	1706.9	1697.2	1685.6	1666.3	1641.3	1614.9	1581.7	1546.4	1513.1	1485.9
20°	1761.0	1759.4	1749.6	1727.1	1705.2	1673.8	1643.4	1602.8	1559.7	1516.2	1482.4
22.5°	1838.4	1834.7	1824.5	1794.9	1760.8	1720.4	1674.0	1624.4	1572.3	1522.9	1478.6
25°	1965.5	1962.6	1942.5	1908.3	1860.3	1798.1	1737.4	1669.4	1594.5	1529.5	1475.6
27.5°	2052.4	2049.2	2034.3	2005.8	1961.6	1896.2	1814.0	1723.2	1629.7	1540.1	1462.4
30°	2043.8	2051.2	2049.2	2036.0	2002.7	1944.0	1868.1	1765.9	1654.7	1549.4	1457.0
32.5°	1920.8	1927.4	1944.7	1970.6	1972.6	1949.1	1892.3	1797.9	1682.9	1563.2	1452.6
35°	1630.7	1639.6	1672.8	1725.2	1793.7	1851.0	1862.7	1811.8	1708.5	1579.8	1446.2
37.5°	1253.7	1301.8	1329.8	1385.0	1488.5	1593.8	1695.2	1732.4	1688.5	1573.0	1435.8
40°	1065.0	1076.7	1126.6	1188.8	1275.9	1385.5	1529.9	1634.2	1637.6	1557.4	1419.3
42.5°	911.4	926.3	960.6	1010.2	1084.9	1194.5	1343.5	1481.1	1544.8	1514.3	1397.8
45°	729.2	740.5	765.4	803.6	860.9	951.4	1079.7	1238.7	1365.0	1414.4	1340.0
47.5°	599.1	605.1	626.9	655.9	698.3	764.3	863.6	1001.6	1153.1	1259.2	1248.8
50°	528.6	535.5	552.0	574.1	609.8	665.6	744.9	859.9	1016.1	1145.8	1171.7
52.5°	473.7	479.5	489.8	510.7	540.1	583.0	647.0	751.0	891.6	1029.4	1089.4
55°	400.3	404.3	412.6	424.3	447.8	478.6	534.0	605.9	719.4	858.5	946.5
57.5°	339.9	341.8	347.1	358.0	374.2	396.7	436.7	497.7	579.1	704.3	801.4
60°	301.5	303.4	310.3	317.6	330.4	350.9	382.2	424.8	503.1	606.3	704.7
62.5°	271.0	272.1	275.0	282.4	293.5	309.4	334.0	368.8	431.1	521.8	614.7
65°	227.1	227.6	228.6	234.4	241.3	253.1	269.2	293.6	340.6	409.2	491.3
67.5°	185.0	185.7	189.1	191.1	198.3	204.4	214.0	232.7	265.8	312.0	375.9
70°	161.6	161.0	164.5	166.9	169.4	176.6	183.0	198.2	218.8	254.0	307.4
72.5°	139.6	138.3	139.8	140.6	143.9	148.9	155.2	164.6	180.4	204.6	245.5
75°	105.8	106.2	106.2	107.2	109.6	111.6	113.6	118.5	127.2	143.4	165.4
77.5°	74.2	73.4	75.5	75.8	77.2	79.4	81.1	83.0	86.6	93.3	104.6
80°	53.8	53.8	54.3	55.8	55.3	56.3	58.7	60.7	65.1	69.0	73.0
82.5°	41.3	40.9	41.4	41.7	41.6	42.6	43.5	43.8	45.5	47.5	50.2
85°	22.5	22.5	23.0	23.0	23.5	23.5	23.9	23.9	23.9	24.5	25.0
87.5°	10.7	10.2	9.8	9.7	10.1	10.7	10.3	9.8	9.7	9.6	9.8
90°	10.3	10.0	9.7	9.4	9.1	8.8	8.3	7.8	7.4	6.9	6.1
92.5°	20.2	20.0	19.7	19.5	19.3	18.9	18.3	17.6	17.1	16.4	15.6
95°	36.8	36.6	36.4	36.2	36.0	35.5	34.9	34.2	33.6	32.9	32.0
97.5°	55.7	55.6	55.5	55.3	55.2	54.9	54.3	53.6	53.0	52.4	51.1
100°	70.0	69.8	69.7	69.5	69.3	68.8	68.0	67.1	66.3	65.3	64.1
102.5°	84.5	84.2	83.9	83.6	83.3	82.8	81.8	80.9	79.9	79.0	78.4
105°	105.9	105.7	105.4	105.1	104.8	104.3	103.8	103.2	102.6	102.1	101.5
107.5°	128.0	128.0	128.0	128.1	128.1	127.9	127.6	127.3	127.1	126.8	126.4
110°	144.4	144.5	144.6	144.7	144.8	144.7	144.4	144.1	143.8	143.5	143.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	160.4	160.6	160.8	161.0	161.2	161.2	161.0	160.9	160.8	160.6	160.2
115°	185.9	186.0	186.1	186.2	186.2	186.3	186.4	186.5	186.6	186.7	186.5
117.5°	210.6	210.9	211.4	211.8	212.2	212.3	212.2	212.2	212.1	212.0	211.8
120°	227.7	228.1	228.5	228.8	229.2	229.4	229.4	229.4	229.4	229.4	229.3
122.5°	244.8	245.1	245.4	245.7	246.0	246.2	246.3	246.4	246.4	246.5	246.3
125°	270.4	270.5	270.6	270.7	270.8	271.0	271.2	271.4	271.5	271.7	271.6
127.5°	295.0	295.2	295.4	295.6	295.8	296.0	296.1	296.1	296.2	296.3	296.1
130°	311.4	311.6	311.8	312.0	312.2	312.4	312.5	312.5	312.6	312.7	312.5
132.5°	326.8	327.1	327.3	327.6	327.9	328.0	328.1	328.2	328.3	328.4	328.5
135°	350.7	351.1	351.5	351.9	352.2	352.4	352.4	352.4	352.4	352.4	352.3
137.5°	374.1	374.6	375.1	375.6	376.1	376.3	376.1	376.0	375.9	375.8	375.5
140°	389.2	389.6	390.1	390.6	391.1	391.2	391.1	390.9	390.7	390.5	390.2
142.5°	403.5	404.0	404.4	404.9	405.4	405.6	405.5	405.4	405.3	405.2	404.8
145°	425.1	425.4	425.7	425.9	426.2	426.3	426.3	426.3	426.3	426.3	426.0
147.5°	443.5	444.0	444.7	445.4	446.0	446.2	446.0	445.7	445.5	445.4	445.1
150°	457.1	457.3	457.5	457.7	457.9	458.0	458.0	458.0	458.0	458.0	457.6
152.5°	468.3	468.7	469.1	469.4	469.8	469.8	469.6	469.4	469.1	468.9	468.7
155°	484.5	484.9	485.4	485.9	486.4	486.4	486.0	485.6	485.2	484.8	484.7
157.5°	497.9	498.5	499.1	499.7	500.4	500.5	500.1	499.7	499.4	499.0	498.9
160°	507.1	507.6	508.0	508.5	509.0	509.1	508.7	508.3	507.9	507.5	507.4
162.5°	514.9	515.5	516.0	516.6	517.2	517.2	516.7	516.3	515.9	515.4	515.4
165°	525.5	526.0	526.6	527.2	527.7	527.8	527.4	527.1	526.7	526.3	526.2
167.5°	533.9	534.4	535.0	535.6	536.2	536.2	535.6	535.1	534.5	534.0	534.0
170°	538.3	538.9	539.6	540.3	540.9	541.0	540.4	539.8	539.2	538.7	538.7
172.5°	542.1	542.6	543.2	543.8	544.4	544.4	543.8	543.3	542.7	542.2	542.2
175°	545.5	546.2	546.9	547.5	548.2	548.3	547.7	547.1	546.5	545.9	545.9
177.5°	547.6	548.1	548.7	549.2	549.7	549.8	549.3	548.8	548.4	547.9	548.0
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1225.1	1222.4	1217.3	1212.6	1206.7	1201.6	1198.1	1193.8	1188.3	1181.7	1176.2
5°	1279.3	1268.6	1254.3	1242.2	1226.4	1214.3	1201.6	1189.3	1177.0	1161.4	1147.6
7.5°	1339.4	1317.2	1295.6	1268.4	1243.7	1221.6	1200.5	1179.1	1158.2	1136.0	1114.5
10°	1376.2	1349.3	1319.5	1285.2	1253.9	1224.0	1196.7	1169.7	1141.3	1116.3	1089.4
12.5°	1410.7	1375.9	1341.8	1298.5	1260.9	1224.5	1189.6	1156.0	1125.7	1093.3	1064.4
15°	1441.8	1407.6	1369.4	1316.5	1264.1	1220.1	1179.0	1135.5	1097.8	1061.6	1029.3
17.5°	1453.9	1418.0	1373.6	1322.8	1265.6	1210.1	1157.2	1109.4	1065.1	1022.8	986.6
20°	1449.2	1414.4	1368.9	1320.4	1259.2	1201.6	1144.2	1091.4	1042.0	997.4	958.8
22.5°	1437.8	1401.8	1357.9	1306.7	1248.7	1187.4	1126.2	1069.9	1018.0	971.9	929.8
25°	1420.8	1371.9	1326.8	1276.9	1221.5	1160.9	1097.8	1035.6	980.3	933.3	887.3
27.5°	1403.1	1342.0	1284.7	1235.1	1176.7	1122.5	1061.7	997.9	939.8	891.9	844.7
30°	1387.0	1318.5	1255.4	1199.1	1143.8	1092.4	1034.6	972.4	912.8	863.4	815.4
32.5°	1367.1	1294.2	1224.8	1159.9	1106.5	1055.6	1003.3	943.9	885.7	834.7	786.0
35°	1342.0	1249.0	1173.7	1104.6	1045.4	996.0	949.0	901.0	842.7	789.9	742.4
37.5°	1309.1	1203.5	1116.3	1041.2	978.7	929.1	892.0	848.2	795.0	744.4	700.3
40°	1289.1	1170.6	1075.3	1000.9	935.3	882.9	848.2	811.0	762.5	715.0	671.0
42.5°	1262.5	1140.6	1033.8	956.2	890.2	839.8	804.6	772.2	731.6	686.8	639.7
45°	1210.3	1082.1	970.1	886.8	820.3	770.8	738.0	709.2	678.3	637.3	596.1
47.5°	1142.4	1021.2	903.8	813.0	747.8	701.9	670.1	647.3	625.3	590.3	550.4
50°	1088.0	971.0	856.5	768.4	698.9	655.3	625.5	607.4	587.3	555.4	522.2
52.5°	1023.8	919.4	807.1	717.1	651.5	610.7	582.0	563.9	547.3	521.4	489.7
55°	922.6	831.0	728.2	646.5	586.4	545.2	517.8	500.7	490.9	468.8	443.9
57.5°	805.8	740.2	649.5	570.7	517.6	476.9	456.9	442.2	431.2	415.6	398.0
60°	724.3	678.3	597.1	522.2	473.3	434.6	416.5	404.3	394.0	380.8	367.0
62.5°	641.7	608.2	537.5	473.3	428.2	395.9	378.9	367.9	356.0	347.1	333.8
65°	531.0	501.1	452.2	401.8	360.2	334.2	322.1	312.3	304.9	295.1	285.8
67.5°	413.0	401.0	367.1	332.4	302.6	279.5	268.9	262.0	253.3	247.3	241.0
70°	340.6	334.8	310.8	287.8	259.9	244.2	234.4	231.5	220.7	214.9	210.5
72.5°	276.4	273.7	259.9	243.9	224.2	210.6	201.5	198.2	191.3	186.6	183.8
75°	189.4	190.4	187.9	177.7	170.3	161.6	153.6	151.7	146.8	142.9	140.4
77.5°	119.8	124.8	125.0	124.5	121.6	116.2	112.9	111.5	106.7	105.2	104.6
80°	82.2	87.6	92.5	92.0	91.0	89.5	87.1	85.7	83.2	81.7	80.8
82.5°	54.9	59.9	63.9	66.5	66.4	64.9	63.2	62.6	62.0	61.0	60.8
85°	25.9	27.0	28.4	31.9	34.2	34.8	34.2	33.7	32.3	32.8	33.3
87.5°	10.1	10.0	10.3	10.1	9.5	11.3	12.3	12.6	12.0	11.3	10.7
90°	5.5	4.8	4.1	3.5	2.7	2.0	1.2	0.5	1.2	2.0	2.7
92.5°	14.8	13.9	13.1	12.4	12.0	11.4	10.8	10.4	10.8	11.4	12.0
95°	31.0	30.1	29.1	28.6	28.4	28.2	28.0	27.8	28.0	28.2	28.4
97.5°	49.8	48.4	47.1	46.5	46.4	46.3	46.2	46.1	46.2	46.3	46.4
100°	62.9	61.6	60.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
102.5°	77.8	77.2	76.5	76.1	75.7	75.3	74.8	74.5	74.8	75.3	75.7
105°	100.9	100.4	99.8	99.3	98.8	98.3	97.8	97.4	97.8	98.3	98.8
107.5°	125.9	125.5	125.1	124.6	124.1	123.7	123.2	122.7	123.2	123.7	124.1
110°	143.0	142.7	142.4	142.0	141.6	141.1	140.6	140.2	140.6	141.1	141.6





TEST NUMBER: P333681-830

CATALOG NUMBER: S125RDIW-S850D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	159.9	159.6	159.2	158.9	158.6	158.3	158.2	157.9	158.2	158.3	158.6
115°	186.3	186.2	186.0	185.7	185.3	184.9	184.5	184.1	184.5	184.9	185.3
117.5°	211.6	211.5	211.3	211.1	210.9	210.8	210.6	210.5	210.6	210.8	210.9
120°	229.2	229.1	229.0	228.8	228.3	227.8	227.3	226.9	227.3	227.8	228.3
122.5°	246.0	245.7	245.5	245.2	245.2	245.0	244.8	244.6	244.8	245.0	245.2
125°	271.5	271.5	271.4	271.0	270.4	269.8	269.3	268.7	269.3	269.8	270.4
127.5°	296.1	296.0	295.9	295.7	295.3	295.0	294.6	294.4	294.6	295.0	295.3
130°	312.4	312.2	312.0	311.6	311.1	310.7	310.2	309.7	310.2	310.7	311.1
132.5°	328.5	328.6	328.6	328.2	327.4	326.7	325.8	325.1	325.8	326.7	327.4
135°	352.2	352.1	352.0	351.8	351.2	350.6	350.1	349.4	350.1	350.6	351.2
137.5°	375.3	375.1	374.9	374.6	374.0	373.4	372.9	372.3	372.9	373.4	374.0
140°	389.9	389.6	389.4	388.9	388.4	388.0	387.5	387.0	387.5	388.0	388.4
142.5°	404.4	404.1	403.7	403.3	402.9	402.6	402.1	401.7	402.1	402.6	402.9
145°	425.7	425.5	425.2	424.9	424.5	424.1	423.8	423.4	423.8	424.1	424.5
147.5°	444.9	444.6	444.4	444.2	443.9	443.7	443.6	443.4	443.6	443.7	443.9
150°	457.2	456.9	456.5	456.3	456.4	456.5	456.6	456.7	456.6	456.5	456.4
152.5°	468.6	468.4	468.3	468.2	468.0	467.9	467.8	467.6	467.8	467.9	468.0
155°	484.7	484.6	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5
157.5°	498.8	498.7	498.6	498.6	498.9	499.1	499.3	499.5	499.3	499.1	498.9
160°	507.3	507.2	507.1	507.2	507.5	507.7	508.1	508.4	508.1	507.7	507.5
162.5°	515.3	515.3	515.3	515.4	515.6	515.9	516.0	516.2	516.0	515.9	515.6
165°	526.1	526.0	525.9	525.9	526.1	526.3	526.5	526.7	526.5	526.3	526.1
167.5°	534.0	534.0	534.0	534.1	534.5	534.9	535.3	535.6	535.3	534.9	534.5
170°	538.7	538.7	538.7	538.9	539.2	539.6	540.0	540.4	540.0	539.6	539.2
172.5°	542.2	542.2	542.2	542.3	542.7	543.1	543.5	543.8	543.5	543.1	542.7
175°	545.9	545.9	545.9	546.1	546.5	546.9	547.2	547.7	547.2	546.9	546.5
177.5°	548.1	548.2	548.2	548.4	548.7	549.0	549.3	549.6	549.3	549.0	548.7
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333681-830

CATALOG NUMBER: S125RDIW-S850D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1172.2	1166.8	1162.8	1155.0	1149.5	1147.2	1142.9	1141.7	1146.0	1142.9	1142.5
5°	1137.4	1123.2	1111.9	1100.7	1088.4	1080.6	1068.8	1067.0	1063.9	1059.6	1058.6
7.5°	1095.6	1077.1	1062.6	1044.1	1027.8	1014.8	1000.1	993.3	989.4	983.7	976.1
10°	1067.4	1045.4	1025.8	1007.2	987.1	971.0	956.3	945.1	937.7	930.9	927.9
12.5°	1039.6	1017.2	992.1	969.6	947.3	929.1	912.9	905.5	897.4	889.4	882.5
15°	996.5	966.6	939.1	913.2	894.2	874.6	858.9	848.2	835.9	832.5	819.3
17.5°	950.6	921.3	889.3	862.0	839.8	818.3	801.1	788.8	779.7	767.0	760.9
20°	922.1	887.3	856.0	831.0	806.5	781.1	763.5	753.2	744.4	734.1	729.2
22.5°	891.6	857.5	825.5	796.2	771.3	746.3	733.8	723.0	713.0	703.6	697.1
25°	846.7	812.5	778.6	748.3	722.4	704.3	689.6	677.3	671.9	662.7	655.8
27.5°	802.4	765.9	730.8	700.7	680.3	662.4	650.4	640.6	630.9	622.8	616.9
30°	773.7	736.6	698.4	674.4	652.9	635.7	622.5	613.2	605.9	598.5	594.2
32.5°	745.2	706.8	673.0	647.0	626.6	611.9	598.2	589.4	581.6	573.5	568.4
35°	699.4	660.3	632.8	607.4	587.3	573.6	564.3	551.6	545.2	539.3	534.0
37.5°	656.8	620.4	590.7	568.4	551.0	537.3	525.4	518.5	510.7	505.4	500.9
40°	625.5	592.2	565.2	541.8	529.0	513.9	502.7	493.8	488.0	481.1	476.2
42.5°	597.3	566.4	540.2	519.1	503.2	490.4	479.6	470.7	463.3	458.4	454.3
45°	557.4	526.6	501.1	481.5	466.9	454.7	443.4	439.0	429.2	423.4	421.4
47.5°	516.2	488.6	464.1	446.0	431.0	419.4	408.9	399.8	394.5	388.7	385.6
50°	488.4	462.0	439.0	421.4	406.7	394.0	384.2	378.3	371.0	365.6	361.7
52.5°	460.6	436.2	413.2	396.3	383.6	370.9	360.0	354.0	347.1	343.7	340.9
55°	420.9	394.9	375.4	358.7	345.5	333.8	323.5	317.6	313.2	309.8	308.8
57.5°	375.9	355.3	337.1	322.2	308.4	297.4	288.3	282.8	278.9	278.3	275.4
60°	346.5	327.9	311.2	295.1	283.3	273.1	265.2	258.9	255.0	254.5	253.5
62.5°	317.2	299.4	283.9	269.7	259.1	249.2	241.8	234.6	232.2	229.8	227.7
65°	273.6	257.4	244.7	233.5	222.2	213.9	206.5	202.1	196.7	193.8	188.4
67.5°	230.8	218.3	206.0	196.5	187.8	179.8	173.7	167.2	163.5	161.2	157.3
70°	202.6	192.8	180.6	170.3	163.4	157.1	152.2	144.9	142.4	140.4	138.5
72.5°	176.0	167.4	157.1	148.8	141.9	135.9	130.3	126.9	124.4	122.4	121.3
75°	138.5	130.2	121.4	115.5	110.7	105.8	102.7	100.3	99.3	98.9	96.9
77.5°	101.7	97.3	90.2	85.6	82.3	80.4	77.8	76.4	76.3	74.2	73.5
80°	77.9	75.4	69.5	67.6	65.1	63.2	61.6	59.2	56.7	55.8	54.3
82.5°	57.9	55.4	53.1	50.0	47.9	46.7	45.2	44.3	44.7	43.3	42.6
85°	30.8	28.4	27.4	27.0	25.9	27.0	26.4	25.9	25.4	25.0	25.4
87.5°	10.5	10.7	10.4	11.3	10.3	10.7	10.8	10.6	10.7	10.7	10.5
90°	3.5	4.1	4.8	5.5	6.1	6.9	7.4	7.8	8.3	8.8	9.1
92.5°	12.4	13.1	13.9	14.8	15.6	16.4	17.1	17.6	18.3	18.9	19.3
95°	28.6	29.1	30.1	31.0	32.0	32.9	33.6	34.2	34.9	35.5	36.0
97.5°	46.5	47.1	48.4	49.8	51.1	52.4	53.0	53.6	54.3	54.9	55.2
100°	59.9	60.4	61.6	62.9	64.1	65.3	66.3	67.1	68.0	68.8	69.3
102.5°	76.1	76.5	77.2	77.8	78.4	79.0	79.9	80.9	81.8	82.8	83.3
105°	99.3	99.8	100.4	100.9	101.5	102.1	102.6	103.2	103.8	104.3	104.8
107.5°	124.6	125.1	125.5	125.9	126.4	126.8	127.1	127.3	127.6	127.9	128.1
110°	142.0	142.4	142.7	143.0	143.3	143.5	143.8	144.1	144.4	144.7	144.8



TEST NUMBER: P333681-830

CATALOG NUMBER: S125RDIW-S850D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	158.9	159.2	159.6	159.9	160.2	160.6	160.8	160.9	161.0	161.2	161.2
115°	185.7	186.0	186.2	186.3	186.5	186.7	186.6	186.5	186.4	186.3	186.2
117.5°	211.1	211.3	211.5	211.6	211.8	212.0	212.1	212.2	212.2	212.3	212.2
120°	228.8	229.0	229.1	229.2	229.3	229.4	229.4	229.4	229.4	229.4	229.2
122.5°	245.2	245.5	245.7	246.0	246.3	246.5	246.4	246.4	246.3	246.2	246.0
125°	271.0	271.4	271.5	271.5	271.6	271.7	271.5	271.4	271.2	271.0	270.8
127.5°	295.7	295.9	296.0	296.1	296.1	296.3	296.2	296.1	296.1	296.0	295.8
130°	311.6	312.0	312.2	312.4	312.5	312.7	312.6	312.5	312.5	312.4	312.2
132.5°	328.2	328.6	328.6	328.5	328.5	328.4	328.3	328.2	328.1	328.0	327.9
135°	351.8	352.0	352.1	352.2	352.3	352.4	352.4	352.4	352.4	352.4	352.2
137.5°	374.6	374.9	375.1	375.3	375.5	375.8	375.9	376.0	376.1	376.3	376.1
140°	388.9	389.4	389.6	389.9	390.2	390.5	390.7	390.9	391.1	391.2	391.1
142.5°	403.3	403.7	404.1	404.4	404.8	405.2	405.3	405.4	405.5	405.6	405.4
145°	424.9	425.2	425.5	425.7	426.0	426.3	426.3	426.3	426.3	426.3	426.2
147.5°	444.2	444.4	444.6	444.9	445.1	445.4	445.5	445.7	446.0	446.2	446.0
150°	456.3	456.5	456.9	457.2	457.6	458.0	458.0	458.0	458.0	458.0	457.9
152.5°	468.2	468.3	468.4	468.6	468.7	468.9	469.1	469.4	469.6	469.8	469.8
155°	484.5	484.5	484.6	484.7	484.7	484.8	485.2	485.6	486.0	486.4	486.4
157.5°	498.6	498.6	498.7	498.8	498.9	499.0	499.4	499.7	500.1	500.5	500.4
160°	507.2	507.1	507.2	507.3	507.4	507.5	507.9	508.3	508.7	509.1	509.0
162.5°	515.4	515.3	515.3	515.3	515.4	515.4	515.9	516.3	516.7	517.2	517.2
165°	525.9	525.9	526.0	526.1	526.2	526.3	526.7	527.1	527.4	527.8	527.7
167.5°	534.1	534.0	534.0	534.0	534.0	534.0	534.5	535.1	535.6	536.2	536.2
170°	538.9	538.7	538.7	538.7	538.7	538.7	539.2	539.8	540.4	541.0	540.9
172.5°	542.3	542.2	542.2	542.2	542.2	542.2	542.7	543.3	543.8	544.4	544.4
175°	546.1	545.9	545.9	545.9	545.9	545.9	546.5	547.1	547.7	548.3	548.2
177.5°	548.4	548.2	548.2	548.1	548.0	547.9	548.4	548.8	549.3	549.8	549.7
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333681-830

CATALOG NUMBER: S125RDIW-S850D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.1	1137.8	1136.6	1138.2	1136.6	1137.8	1142.1	1142.5	1142.9	1146.0	1141.7
5°	1053.7	1048.9	1051.2	1050.3	1051.2	1048.9	1053.7	1058.6	1059.6	1063.9	1067.0
7.5°	976.0	969.9	963.5	965.5	963.5	969.9	976.0	976.1	983.7	989.4	993.3
10°	921.5	916.7	913.7	916.2	913.7	916.7	921.5	927.9	930.9	937.7	945.1
12.5°	875.7	872.8	870.2	869.2	870.2	872.8	875.7	882.5	889.4	897.4	905.5
15°	813.4	807.6	805.1	798.7	805.1	807.6	813.4	819.3	832.5	835.9	848.2
17.5°	755.9	754.0	747.6	744.9	747.6	754.0	755.9	760.9	767.0	779.7	788.8
20°	721.9	719.9	713.6	717.5	713.6	719.9	721.9	729.2	734.1	744.4	753.2
22.5°	693.7	689.4	687.3	686.2	687.3	689.4	693.7	697.1	703.6	713.0	723.0
25°	653.8	647.5	645.1	642.2	645.1	647.5	653.8	655.8	662.7	671.9	677.3
27.5°	614.2	610.7	607.5	606.7	607.5	610.7	614.2	616.9	622.8	630.9	640.6
30°	588.2	584.8	582.4	582.4	582.4	584.8	588.2	594.2	598.5	605.9	613.2
32.5°	565.1	562.5	560.1	559.7	560.1	562.5	565.1	568.4	573.5	581.6	589.4
35°	531.5	527.6	526.6	523.7	526.6	527.6	531.5	534.0	539.3	545.2	551.6
37.5°	496.5	493.3	493.2	492.9	493.2	493.3	496.5	500.9	505.4	510.7	518.5
40°	474.3	471.8	471.3	467.9	471.3	471.8	474.3	476.2	481.1	488.0	493.8
42.5°	450.3	449.1	447.4	445.9	447.4	449.1	450.3	454.3	458.4	463.3	470.7
45°	417.9	414.5	414.5	412.1	414.5	414.5	417.9	421.4	423.4	429.2	439.0
47.5°	384.5	381.8	382.1	379.6	382.1	381.8	384.5	385.6	388.7	394.5	399.8
50°	362.1	360.7	360.2	359.2	360.2	360.7	362.1	361.7	365.6	371.0	378.3
52.5°	339.9	339.1	341.0	338.8	341.0	339.1	339.9	340.9	343.7	347.1	354.0
55°	309.8	308.3	311.2	308.3	311.2	308.3	309.8	308.8	309.8	313.2	317.6
57.5°	275.2	273.9	276.5	275.0	276.5	273.9	275.2	275.4	278.3	278.9	282.8
60°	252.5	249.6	251.1	251.6	251.1	249.6	252.5	253.5	254.5	255.0	258.9
62.5°	225.6	223.8	224.8	222.6	224.8	223.8	225.6	227.7	229.8	232.2	234.6
65°	187.5	186.0	184.0	183.0	184.0	186.0	187.5	188.4	193.8	196.7	202.1
67.5°	157.5	154.0	153.9	154.7	153.9	154.0	157.5	157.3	161.2	163.5	167.2
70°	135.5	135.5	135.1	135.1	135.1	135.5	135.5	138.5	140.4	142.4	144.9
72.5°	120.3	119.9	119.0	118.7	119.0	119.9	120.3	121.3	122.4	124.4	126.9
75°	96.9	97.4	96.4	96.0	96.4	97.4	96.9	96.9	98.9	99.3	100.3
77.5°	71.5	69.5	70.6	69.5	70.6	69.5	71.5	73.5	74.2	76.3	76.4
80°	54.3	53.8	55.3	53.8	55.3	53.8	54.3	54.3	55.8	56.7	59.2
82.5°	43.0	42.5	43.2	42.1	43.2	42.5	43.0	42.6	43.3	44.7	44.3
85°	25.9	25.4	25.0	25.4	25.0	25.4	25.9	25.4	25.0	25.4	25.9
87.5°	10.8	10.6	10.7	10.7	10.7	10.6	10.8	10.5	10.7	10.7	10.6
90°	9.4	9.7	10.0	10.3	10.0	9.7	9.4	9.1	8.8	8.3	7.8
92.5°	19.5	19.7	20.0	20.2	20.0	19.7	19.5	19.3	18.9	18.3	17.6
95°	36.2	36.4	36.6	36.8	36.6	36.4	36.2	36.0	35.5	34.9	34.2
97.5°	55.3	55.5	55.6	55.7	55.6	55.5	55.3	55.2	54.9	54.3	53.6
100°	69.5	69.7	69.8	70.0	69.8	69.7	69.5	69.3	68.8	68.0	67.1
102.5°	83.6	83.9	84.2	84.5	84.2	83.9	83.6	83.3	82.8	81.8	80.9
105°	105.1	105.4	105.7	105.9	105.7	105.4	105.1	104.8	104.3	103.8	103.2
107.5°	128.1	128.0	128.0	128.0	128.0	128.0	128.1	128.1	127.9	127.6	127.3
110°	144.7	144.6	144.5	144.4	144.5	144.6	144.7	144.8	144.7	144.4	144.1



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	161.0	160.8	160.6	160.4	160.6	160.8	161.0	161.2	161.2	161.0	160.9
115°	186.2	186.1	186.0	185.9	186.0	186.1	186.2	186.2	186.3	186.4	186.5
117.5°	211.8	211.4	210.9	210.6	210.9	211.4	211.8	212.2	212.3	212.2	212.2
120°	228.8	228.5	228.1	227.7	228.1	228.5	228.8	229.2	229.4	229.4	229.4
122.5°	245.7	245.4	245.1	244.8	245.1	245.4	245.7	246.0	246.2	246.3	246.4
125°	270.7	270.6	270.5	270.4	270.5	270.6	270.7	270.8	271.0	271.2	271.4
127.5°	295.6	295.4	295.2	295.0	295.2	295.4	295.6	295.8	296.0	296.1	296.1
130°	312.0	311.8	311.6	311.4	311.6	311.8	312.0	312.2	312.4	312.5	312.5
132.5°	327.6	327.3	327.1	326.8	327.1	327.3	327.6	327.9	328.0	328.1	328.2
135°	351.9	351.5	351.1	350.7	351.1	351.5	351.9	352.2	352.4	352.4	352.4
137.5°	375.6	375.1	374.6	374.1	374.6	375.1	375.6	376.1	376.3	376.1	376.0
140°	390.6	390.1	389.6	389.2	389.6	390.1	390.6	391.1	391.2	391.1	390.9
142.5°	404.9	404.4	404.0	403.5	404.0	404.4	404.9	405.4	405.6	405.5	405.4
145°	425.9	425.7	425.4	425.1	425.4	425.7	425.9	426.2	426.3	426.3	426.3
147.5°	445.4	444.7	444.0	443.5	444.0	444.7	445.4	446.0	446.2	446.0	445.7
150°	457.7	457.5	457.3	457.1	457.3	457.5	457.7	457.9	458.0	458.0	458.0
152.5°	469.4	469.1	468.7	468.3	468.7	469.1	469.4	469.8	469.8	469.6	469.4
155°	485.9	485.4	484.9	484.5	484.9	485.4	485.9	486.4	486.4	486.0	485.6
157.5°	499.7	499.1	498.5	497.9	498.5	499.1	499.7	500.4	500.5	500.1	499.7
160°	508.5	508.0	507.6	507.1	507.6	508.0	508.5	509.0	509.1	508.7	508.3
162.5°	516.6	516.0	515.5	514.9	515.5	516.0	516.6	517.2	517.2	516.7	516.3
165°	527.2	526.6	526.0	525.5	526.0	526.6	527.2	527.7	527.8	527.4	527.1
167.5°	535.6	535.0	534.4	533.9	534.4	535.0	535.6	536.2	536.2	535.6	535.1
170°	540.3	539.6	538.9	538.3	538.9	539.6	540.3	540.9	541.0	540.4	539.8
172.5°	543.8	543.2	542.6	542.1	542.6	543.2	543.8	544.4	544.4	543.8	543.3
175°	547.5	546.9	546.2	545.5	546.2	546.9	547.5	548.2	548.3	547.7	547.1
177.5°	549.2	548.7	548.1	547.6	548.1	548.7	549.2	549.7	549.8	549.3	548.8
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333681-830

CATALOG NUMBER: S125RDIW-S850D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1142.9	1147.2	1149.5	1155.0	1162.8	1166.8	1172.2	1176.2	1181.7	1188.3	1193.8
5°	1068.8	1080.6	1088.4	1100.7	1111.9	1123.2	1137.4	1147.6	1161.4	1177.0	1189.3
7.5°	1000.1	1014.8	1027.8	1044.1	1062.6	1077.1	1095.6	1114.5	1136.0	1158.2	1179.1
10°	956.3	971.0	987.1	1007.2	1025.8	1045.4	1067.4	1089.4	1116.3	1141.3	1169.7
12.5°	912.9	929.1	947.3	969.6	992.1	1017.2	1039.6	1064.4	1093.3	1125.7	1156.0
15°	858.9	874.6	894.2	913.2	939.1	966.6	996.5	1029.3	1061.6	1097.8	1135.5
17.5°	801.1	818.3	839.8	862.0	889.3	921.3	950.6	986.6	1022.8	1065.1	1109.4
20°	763.5	781.1	806.5	831.0	856.0	887.3	922.1	958.8	997.4	1042.0	1091.4
22.5°	733.8	746.3	771.3	796.2	825.5	857.5	891.6	929.8	971.9	1018.0	1069.9
25°	689.6	704.3	722.4	748.3	778.6	812.5	846.7	887.3	933.3	980.3	1035.6
27.5°	650.4	662.4	680.3	700.7	730.8	765.9	802.4	844.7	891.9	939.8	997.9
30°	622.5	635.7	652.9	674.4	698.4	736.6	773.7	815.4	863.4	912.8	972.4
32.5°	598.2	611.9	626.6	647.0	673.0	706.8	745.2	786.0	834.7	885.7	943.9
35°	564.3	573.6	587.3	607.4	632.8	660.3	699.4	742.4	789.9	842.7	901.0
37.5°	525.4	537.3	551.0	568.4	590.7	620.4	656.8	700.3	744.4	795.0	848.2
40°	502.7	513.9	529.0	541.8	565.2	592.2	625.5	671.0	715.0	762.5	811.0
42.5°	479.6	490.4	503.2	519.1	540.2	566.4	597.3	639.7	686.8	731.6	772.2
45°	443.4	454.7	466.9	481.5	501.1	526.6	557.4	596.1	637.3	678.3	709.2
47.5°	408.9	419.4	431.0	446.0	464.1	488.6	516.2	550.4	590.3	625.3	647.3
50°	384.2	394.0	406.7	421.4	439.0	462.0	488.4	522.2	555.4	587.3	607.4
52.5°	360.0	370.9	383.6	396.3	413.2	436.2	460.6	489.7	521.4	547.3	563.9
55°	323.5	333.8	345.5	358.7	375.4	394.9	420.9	443.9	468.8	490.9	500.7
57.5°	288.3	297.4	308.4	322.2	337.1	355.3	375.9	398.0	415.6	431.2	442.2
60°	265.2	273.1	283.3	295.1	311.2	327.9	346.5	367.0	380.8	394.0	404.3
62.5°	241.8	249.2	259.1	269.7	283.9	299.4	317.2	333.8	347.1	356.0	367.9
65°	206.5	213.9	222.2	233.5	244.7	257.4	273.6	285.8	295.1	304.9	312.3
67.5°	173.7	179.8	187.8	196.5	206.0	218.3	230.8	241.0	247.3	253.3	262.0
70°	152.2	157.1	163.4	170.3	180.6	192.8	202.6	210.5	214.9	220.7	231.5
72.5°	130.3	135.9	141.9	148.8	157.1	167.4	176.0	183.8	186.6	191.3	198.2
75°	102.7	105.8	110.7	115.5	121.4	130.2	138.5	140.4	142.9	146.8	151.7
77.5°	77.8	80.4	82.3	85.6	90.2	97.3	101.7	104.6	105.2	106.7	111.5
80°	61.6	63.2	65.1	67.6	69.5	75.4	77.9	80.8	81.7	83.2	85.7
82.5°	45.2	46.7	47.9	50.0	53.1	55.4	57.9	60.8	61.0	62.0	62.6
85°	26.4	27.0	25.9	27.0	27.4	28.4	30.8	33.3	32.8	32.3	33.7
87.5°	10.8	10.7	10.3	11.3	10.4	10.7	10.5	10.7	11.3	12.0	12.6
90°	7.4	6.9	6.1	5.5	4.8	4.1	3.5	2.7	2.0	1.2	0.5
92.5°	17.1	16.4	15.6	14.8	13.9	13.1	12.4	12.0	11.4	10.8	10.4
95°	33.6	32.9	32.0	31.0	30.1	29.1	28.6	28.4	28.2	28.0	27.8
97.5°	53.0	52.4	51.1	49.8	48.4	47.1	46.5	46.4	46.3	46.2	46.1
100°	66.3	65.3	64.1	62.9	61.6	60.4	59.9	59.9	59.9	59.9	59.9
102.5°	79.9	79.0	78.4	77.8	77.2	76.5	76.1	75.7	75.3	74.8	74.5
105°	102.6	102.1	101.5	100.9	100.4	99.8	99.3	98.8	98.3	97.8	97.4
107.5°	127.1	126.8	126.4	125.9	125.5	125.1	124.6	124.1	123.7	123.2	122.7
110°	143.8	143.5	143.3	143.0	142.7	142.4	142.0	141.6	141.1	140.6	140.2



TEST NUMBER: P333681-830

CATALOG NUMBER: S125RDIW-S850D470U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	160.8	160.6	160.2	159.9	159.6	159.2	158.9	158.6	158.3	158.2	157.9
115°	186.6	186.7	186.5	186.3	186.2	186.0	185.7	185.3	184.9	184.5	184.1
117.5°	212.1	212.0	211.8	211.6	211.5	211.3	211.1	210.9	210.8	210.6	210.5
120°	229.4	229.4	229.3	229.2	229.1	229.0	228.8	228.3	227.8	227.3	226.9
122.5°	246.4	246.5	246.3	246.0	245.7	245.5	245.2	245.2	245.0	244.8	244.6
125°	271.5	271.7	271.6	271.5	271.5	271.4	271.0	270.4	269.8	269.3	268.7
127.5°	296.2	296.3	296.1	296.1	296.0	295.9	295.7	295.3	295.0	294.6	294.4
130°	312.6	312.7	312.5	312.4	312.2	312.0	311.6	311.1	310.7	310.2	309.7
132.5°	328.3	328.4	328.5	328.5	328.6	328.6	328.2	327.4	326.7	325.8	325.1
135°	352.4	352.4	352.3	352.2	352.1	352.0	351.8	351.2	350.6	350.1	349.4
137.5°	375.9	375.8	375.5	375.3	375.1	374.9	374.6	374.0	373.4	372.9	372.3
140°	390.7	390.5	390.2	389.9	389.6	389.4	388.9	388.4	388.0	387.5	387.0
142.5°	405.3	405.2	404.8	404.4	404.1	403.7	403.3	402.9	402.6	402.1	401.7
145°	426.3	426.3	426.0	425.7	425.5	425.2	424.9	424.5	424.1	423.8	423.4
147.5°	445.5	445.4	445.1	444.9	444.6	444.4	444.2	443.9	443.7	443.6	443.4
150°	458.0	458.0	457.6	457.2	456.9	456.5	456.3	456.4	456.5	456.6	456.7
152.5°	469.1	468.9	468.7	468.6	468.4	468.3	468.2	468.0	467.9	467.8	467.6
155°	485.2	484.8	484.7	484.7	484.6	484.5	484.5	484.5	484.5	484.5	484.5
157.5°	499.4	499.0	498.9	498.8	498.7	498.6	498.6	498.9	499.1	499.3	499.5
160°	507.9	507.5	507.4	507.3	507.2	507.1	507.2	507.5	507.7	508.1	508.4
162.5°	515.9	515.4	515.4	515.3	515.3	515.3	515.4	515.6	515.9	516.0	516.2
165°	526.7	526.3	526.2	526.1	526.0	525.9	525.9	526.1	526.3	526.5	526.7
167.5°	534.5	534.0	534.0	534.0	534.0	534.0	534.1	534.5	534.9	535.3	535.6
170°	539.2	538.7	538.7	538.7	538.7	538.7	538.9	539.2	539.6	540.0	540.4
172.5°	542.7	542.2	542.2	542.2	542.2	542.2	542.3	542.7	543.1	543.5	543.8
175°	546.5	545.9	545.9	545.9	545.9	545.9	546.1	546.5	546.9	547.2	547.7
177.5°	548.4	547.9	548.0	548.1	548.2	548.2	548.4	548.7	549.0	549.3	549.6
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



TEST NUMBER: P333681-830

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1198.1	1201.6	1206.7	1212.6	1217.3	1222.4	1225.1	1225.1	1227.5	1232.6	1239.2
5°	1201.6	1214.3	1226.4	1242.2	1254.3	1268.6	1279.3	1289.6	1298.9	1310.6	1322.9
7.5°	1200.5	1221.6	1243.7	1268.4	1295.6	1317.2	1339.4	1356.9	1374.0	1396.6	1414.3
10°	1196.7	1224.0	1253.9	1285.2	1319.5	1349.3	1376.2	1400.7	1424.2	1448.7	1470.6
12.5°	1189.6	1224.5	1260.9	1298.5	1341.8	1375.9	1410.7	1436.7	1464.1	1490.9	1518.1
15°	1179.0	1220.1	1264.1	1316.5	1369.4	1407.6	1441.8	1475.6	1501.0	1531.3	1557.4
17.5°	1157.2	1210.1	1265.6	1322.8	1373.6	1418.0	1453.9	1485.9	1513.1	1546.4	1581.7
20°	1144.2	1201.6	1259.2	1320.4	1368.9	1414.4	1449.2	1482.4	1516.2	1559.7	1602.8
22.5°	1126.2	1187.4	1248.7	1306.7	1357.9	1401.8	1437.8	1478.6	1522.9	1572.3	1624.4
25°	1097.8	1160.9	1221.5	1276.9	1326.8	1371.9	1420.8	1475.6	1529.5	1594.5	1669.4
27.5°	1061.7	1122.5	1176.7	1235.1	1284.7	1342.0	1403.1	1462.4	1540.1	1629.7	1723.2
30°	1034.6	1092.4	1143.8	1199.1	1255.4	1318.5	1387.0	1457.0	1549.4	1654.7	1765.9
32.5°	1003.3	1055.6	1106.5	1159.9	1224.8	1294.2	1367.1	1452.6	1563.2	1682.9	1797.9
35°	949.0	996.0	1045.4	1104.6	1173.7	1249.0	1342.0	1446.2	1579.8	1708.5	1811.8
37.5°	892.0	929.1	978.7	1041.2	1116.3	1203.5	1309.1	1435.8	1573.0	1688.5	1732.4
40°	848.2	882.9	935.3	1000.9	1075.3	1170.6	1289.1	1419.3	1557.4	1637.6	1634.2
42.5°	804.6	839.8	890.2	956.2	1033.8	1140.6	1262.5	1397.8	1514.3	1544.8	1481.1
45°	738.0	770.8	820.3	886.8	970.1	1082.1	1210.3	1340.0	1414.4	1365.0	1238.7
47.5°	670.1	701.9	747.8	813.0	903.8	1021.2	1142.4	1248.8	1259.2	1153.1	1001.6
50°	625.5	655.3	698.9	768.4	856.5	971.0	1088.0	1171.7	1145.8	1016.1	859.9
52.5°	582.0	610.7	651.5	717.1	807.1	919.4	1023.8	1089.4	1029.4	891.6	751.0
55°	517.8	545.2	586.4	646.5	728.2	831.0	922.6	946.5	858.5	719.4	605.9
57.5°	456.9	476.9	517.6	570.7	649.5	740.2	805.8	801.4	704.3	579.1	497.7
60°	416.5	434.6	473.3	522.2	597.1	678.3	724.3	704.7	606.3	503.1	424.8
62.5°	378.9	395.9	428.2	473.3	537.5	608.2	641.7	614.7	521.8	431.1	368.8
65°	322.1	334.2	360.2	401.8	452.2	501.1	531.0	491.3	409.2	340.6	293.6
67.5°	268.9	279.5	302.6	332.4	367.1	401.0	413.0	375.9	312.0	265.8	232.7
70°	234.4	244.2	259.9	287.8	310.8	334.8	340.6	307.4	254.0	218.8	198.2
72.5°	201.5	210.6	224.2	243.9	259.9	273.7	276.4	245.5	204.6	180.4	164.6
75°	153.6	161.6	170.3	177.7	187.9	190.4	189.4	165.4	143.4	127.2	118.5
77.5°	112.9	116.2	121.6	124.5	125.0	124.8	119.8	104.6	93.3	86.6	83.0
80°	87.1	89.5	91.0	92.0	92.5	87.6	82.2	73.0	69.0	65.1	60.7
82.5°	63.2	64.9	66.4	66.5	63.9	59.9	54.9	50.2	47.5	45.5	43.8
85°	34.2	34.8	34.2	31.9	28.4	27.0	25.9	25.0	24.5	23.9	23.9
87.5°	12.3	11.3	9.5	10.1	10.3	10.0	10.1	9.8	9.6	9.7	9.8
90°	1.2	2.0	2.7	3.5	4.1	4.8	5.5	6.1	6.9	7.4	7.8
92.5°	10.8	11.4	12.0	12.4	13.1	13.9	14.8	15.6	16.4	17.1	17.6
95°	28.0	28.2	28.4	28.6	29.1	30.1	31.0	32.0	32.9	33.6	34.2
97.5°	46.2	46.3	46.4	46.5	47.1	48.4	49.8	51.1	52.4	53.0	53.6
100°	59.9	59.9	59.9	59.9	60.4	61.6	62.9	64.1	65.3	66.3	67.1
102.5°	74.8	75.3	75.7	76.1	76.5	77.2	77.8	78.4	79.0	79.9	80.9
105°	97.8	98.3	98.8	99.3	99.8	100.4	100.9	101.5	102.1	102.6	103.2
107.5°	123.2	123.7	124.1	124.6	125.1	125.5	125.9	126.4	126.8	127.1	127.3
110°	140.6	141.1	141.6	142.0	142.4	142.7	143.0	143.3	143.5	143.8	144.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	158.2	158.3	158.6	158.9	159.2	159.6	159.9	160.2	160.6	160.8	160.9
115°	184.5	184.9	185.3	185.7	186.0	186.2	186.3	186.5	186.7	186.6	186.5
117.5°	210.6	210.8	210.9	211.1	211.3	211.5	211.6	211.8	212.0	212.1	212.2
120°	227.3	227.8	228.3	228.8	229.0	229.1	229.2	229.3	229.4	229.4	229.4
122.5°	244.8	245.0	245.2	245.2	245.5	245.7	246.0	246.3	246.5	246.4	246.4
125°	269.3	269.8	270.4	271.0	271.4	271.5	271.5	271.6	271.7	271.5	271.4
127.5°	294.6	295.0	295.3	295.7	295.9	296.0	296.1	296.1	296.3	296.2	296.1
130°	310.2	310.7	311.1	311.6	312.0	312.2	312.4	312.5	312.7	312.6	312.5
132.5°	325.8	326.7	327.4	328.2	328.6	328.6	328.5	328.5	328.4	328.3	328.2
135°	350.1	350.6	351.2	351.8	352.0	352.1	352.2	352.3	352.4	352.4	352.4
137.5°	372.9	373.4	374.0	374.6	374.9	375.1	375.3	375.5	375.8	375.9	376.0
140°	387.5	388.0	388.4	388.9	389.4	389.6	389.9	390.2	390.5	390.7	390.9
142.5°	402.1	402.6	402.9	403.3	403.7	404.1	404.4	404.8	405.2	405.3	405.4
145°	423.8	424.1	424.5	424.9	425.2	425.5	425.7	426.0	426.3	426.3	426.3
147.5°	443.6	443.7	443.9	444.2	444.4	444.6	444.9	445.1	445.4	445.5	445.7
150°	456.6	456.5	456.4	456.3	456.5	456.9	457.2	457.6	458.0	458.0	458.0
152.5°	467.8	467.9	468.0	468.2	468.3	468.4	468.6	468.7	468.9	469.1	469.4
155°	484.5	484.5	484.5	484.5	484.5	484.6	484.7	484.7	484.8	485.2	485.6
157.5°	499.3	499.1	498.9	498.6	498.6	498.7	498.8	498.9	499.0	499.4	499.7
160°	508.1	507.7	507.5	507.2	507.1	507.2	507.3	507.4	507.5	507.9	508.3
162.5°	516.0	515.9	515.6	515.4	515.3	515.3	515.3	515.4	515.4	515.9	516.3
165°	526.5	526.3	526.1	525.9	525.9	526.0	526.1	526.2	526.3	526.7	527.1
167.5°	535.3	534.9	534.5	534.1	534.0	534.0	534.0	534.0	534.0	534.5	535.1
170°	540.0	539.6	539.2	538.9	538.7	538.7	538.7	538.7	538.7	539.2	539.8
172.5°	543.5	543.1	542.7	542.3	542.2	542.2	542.2	542.2	542.2	542.7	543.3
175°	547.2	546.9	546.5	546.1	545.9	545.9	545.9	545.9	545.9	546.5	547.1
177.5°	549.3	549.0	548.7	548.4	548.2	548.2	548.1	548.0	547.9	548.4	548.8
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9	548.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1244.3	1244.3	1250.9	1250.6	1254.9	1253.3	1254.1
5°	1337.6	1345.9	1353.2	1358.1	1365.5	1367.4	1366.4
7.5°	1434.3	1452.7	1461.8	1474.1	1476.4	1482.8	1482.1
10°	1494.2	1512.3	1526.0	1536.7	1542.2	1549.0	1549.4
12.5°	1541.2	1556.5	1568.7	1578.7	1585.2	1587.3	1588.7
15°	1577.9	1595.0	1609.2	1623.3	1631.7	1638.0	1641.5
17.5°	1614.9	1641.3	1666.3	1685.6	1697.2	1706.9	1706.9
20°	1643.4	1673.8	1705.2	1727.1	1749.6	1759.4	1761.0
22.5°	1674.0	1720.4	1760.8	1794.9	1824.5	1834.7	1838.4
25°	1737.4	1798.1	1860.3	1908.3	1942.5	1962.6	1965.5
27.5°	1814.0	1896.2	1961.6	2005.8	2034.3	2049.2	2052.4
30°	1868.1	1944.0	2002.7	2036.0	2049.2	2051.2	2043.8
32.5°	1892.3	1949.1	1972.6	1970.6	1944.7	1927.4	1920.8
35°	1862.7	1851.0	1793.7	1725.2	1672.8	1639.6	1630.7
37.5°	1695.2	1593.8	1488.5	1385.0	1329.8	1301.8	1253.7
40°	1529.9	1385.5	1275.9	1188.8	1126.6	1076.7	1065.0
42.5°	1343.5	1194.5	1084.9	1010.2	960.6	926.3	911.4
45°	1079.7	951.4	860.9	803.6	765.4	740.5	729.2
47.5°	863.6	764.3	698.3	655.9	626.9	605.1	599.1
50°	744.9	665.6	609.8	574.1	552.0	535.5	528.6
52.5°	647.0	583.0	540.1	510.7	489.8	479.5	473.7
55°	534.0	478.6	447.8	424.3	412.6	404.3	400.3
57.5°	436.7	396.7	374.2	358.0	347.1	341.8	339.9
60°	382.2	350.9	330.4	317.6	310.3	303.4	301.5
62.5°	334.0	309.4	293.5	282.4	275.0	272.1	271.0
65°	269.2	253.1	241.3	234.4	228.6	227.6	227.1
67.5°	214.0	204.4	198.3	191.1	189.1	185.7	185.0
70°	183.0	176.6	169.4	166.9	164.5	161.0	161.6
72.5°	155.2	148.9	143.9	140.6	139.8	138.3	139.6
75°	113.6	111.6	109.6	107.2	106.2	106.2	105.8
77.5°	81.1	79.4	77.2	75.8	75.5	73.4	74.2
80°	58.7	56.3	55.3	55.8	54.3	53.8	53.8
82.5°	43.5	42.6	41.6	41.7	41.4	40.9	41.3
85°	23.9	23.5	23.5	23.0	23.0	22.5	22.5
87.5°	10.3	10.7	10.1	9.7	9.8	10.2	10.7
90°	8.3	8.8	9.1	9.4	9.7	10.0	10.3
92.5°	18.3	18.9	19.3	19.5	19.7	20.0	20.2
95°	34.9	35.5	36.0	36.2	36.4	36.6	36.8
97.5°	54.3	54.9	55.2	55.3	55.5	55.6	55.7
100°	68.0	68.8	69.3	69.5	69.7	69.8	70.0
102.5°	81.8	82.8	83.3	83.6	83.9	84.2	84.5
105°	103.8	104.3	104.8	105.1	105.4	105.7	105.9
107.5°	127.6	127.9	128.1	128.1	128.0	128.0	128.0
110°	144.4	144.7	144.8	144.7	144.6	144.5	144.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	161.0	161.2	161.2	161.0	160.8	160.6	160.4
115°	186.4	186.3	186.2	186.2	186.1	186.0	185.9
117.5°	212.2	212.3	212.2	211.8	211.4	210.9	210.6
120°	229.4	229.4	229.2	228.8	228.5	228.1	227.7
122.5°	246.3	246.2	246.0	245.7	245.4	245.1	244.8
125°	271.2	271.0	270.8	270.7	270.6	270.5	270.4
127.5°	296.1	296.0	295.8	295.6	295.4	295.2	295.0
130°	312.5	312.4	312.2	312.0	311.8	311.6	311.4
132.5°	328.1	328.0	327.9	327.6	327.3	327.1	326.8
135°	352.4	352.4	352.2	351.9	351.5	351.1	350.7
137.5°	376.1	376.3	376.1	375.6	375.1	374.6	374.1
140°	391.1	391.2	391.1	390.6	390.1	389.6	389.2
142.5°	405.5	405.6	405.4	404.9	404.4	404.0	403.5
145°	426.3	426.3	426.2	425.9	425.7	425.4	425.1
147.5°	446.0	446.2	446.0	445.4	444.7	444.0	443.5
150°	458.0	458.0	457.9	457.7	457.5	457.3	457.1
152.5°	469.6	469.8	469.8	469.4	469.1	468.7	468.3
155°	486.0	486.4	486.4	485.9	485.4	484.9	484.5
157.5°	500.1	500.5	500.4	499.7	499.1	498.5	497.9
160°	508.7	509.1	509.0	508.5	508.0	507.6	507.1
162.5°	516.7	517.2	517.2	516.6	516.0	515.5	514.9
165°	527.4	527.8	527.7	527.2	526.6	526.0	525.5
167.5°	535.6	536.2	536.2	535.6	535.0	534.4	533.9
170°	540.4	541.0	540.9	540.3	539.6	538.9	538.3
172.5°	543.8	544.4	544.4	543.8	543.2	542.6	542.1
175°	547.7	548.3	548.2	547.5	546.9	546.2	545.5
177.5°	549.3	549.8	549.7	549.2	548.7	548.1	547.6
180°	548.9	548.9	548.9	548.9	548.9	548.9	548.9

(END OF REPORT)