

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: P333680-840

Luminaire Tested: **S125RDIW-S850D470U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333680-840
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: S125RDIW-S850D470U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 470 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5203.3 lumens
Efficiency: N/A
Efficacy: 138.0 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

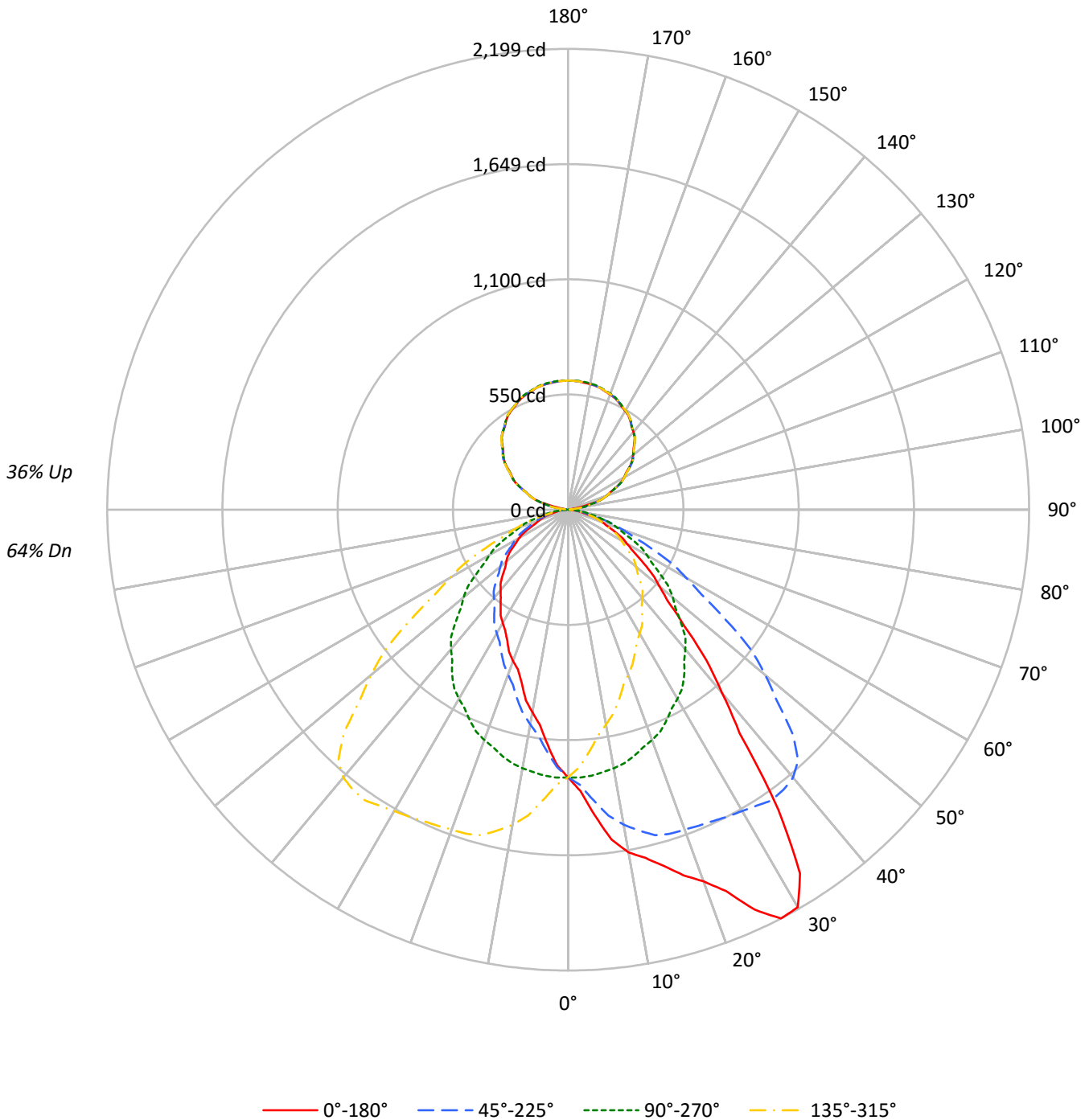
Input Watts (W): 37.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	104	104	104	104	91	91	91	79	79	79	69	69	69	64
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	60	59	55
2	93	85	79	74	87	81	75	71	71	67	64	63	60	57	55	53	51	47
3	85	76	68	63	79	71	65	60	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	64	56	51	57	51	47	50	46	42	44	41	38	35
5	72	60	52	46	67	57	50	44	51	45	40	45	40	37	40	36	33	30
6	66	54	46	40	62	51	44	39	46	40	35	41	36	32	36	32	29	27
7	61	49	41	35	58	47	39	34	42	36	31	37	32	29	33	29	26	24
8	57	45	37	31	54	42	35	30	38	32	28	34	29	26	30	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	38	30	25	47	36	29	25	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8250	8250	8250	8250
5°	9491	8261	7295	8261
10°	10887	8218	6437	8218
15°	11760	8134	5722	8134
20°	12967	8036	5283	8036
25°	15007	7906	4903	7906
30°	16330	7770	4653	7770
35°	13775	7611	4424	7611
40°	9620	7325	4226	7325
45°	7136	6940	4032	6940
50°	5690	6539	3867	6539
55°	4829	6040	3719	6040
60°	4173	5594	3481	5594
65°	3718	5113	2997	5113
70°	3269	4683	2732	4683
75°	2827	4057	2565	4057
80°	2146	3414	2146	3414
85°	1786	2682	2023	2682



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	2.4
10°-20°	359.0	6.9
20°-30°	569.2	10.9
30°-40°	686.4	13.2
40°-50°	613.0	11.8
50°-60°	470.0	9.0
60°-70°	305.5	5.9
70°-80°	148.5	2.9
80°-90°	36.7	0.7
90°-100°	22.4	0.4
100°-110°	138.0	2.7
110°-120°	250.3	4.8
120°-130°	321.3	6.2
130°-140°	345.6	6.6
140°-150°	324.4	6.2
150°-160°	262.4	5.0
160°-170°	169.7	3.3
170°-180°	58.5	1.1
0°-30°	1050.6	20.2
0°-40°	1737.0	33.4
0°-60°	2820.0	54.2
0°-90°	3310.7	63.6
90°-120°	410.7	7.9
90°-150°	1401.9	26.9
90°-180°	1893.0	36.4
0°-180°	5203.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1277	1277	1277	1277	1277	
5°	1464	1274	1125	1274	1464	146
15°	1759	1217	856	1217	1759	504
25°	2106	1110	688	1110	2106	967
35°	1747	965	561	965	1747	1055
45°	781	760	442	760	781	623
55°	429	536	330	536	429	389
65°	243	335	196	335	243	242
75°	113	163	103	163	113	121
85°	24	36	27	36	24	28
90°	11	0	11	0	11	6
95°	10	26	10	26	10	8
105°	136	134	136	134	136	123
115°	250	252	250	252	250	248
125°	359	359	359	359	359	319
135°	446	447	446	447	446	344
145°	517	519	517	519	517	323
155°	567	571	567	571	567	261
165°	599	603	599	603	599	169
175°	614	616	614	616	614	58
180°	616	616	616	616	616	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1343.6	1342.8	1344.5	1339.9	1340.3	1333.1	1333.1	1327.7	1320.6	1315.1	1312.6
5°	1464.0	1465.1	1463.0	1455.1	1449.9	1442.0	1433.1	1417.3	1404.2	1391.7	1381.7
7.5°	1588.0	1588.7	1581.9	1579.4	1566.2	1556.5	1536.7	1515.3	1496.3	1472.2	1453.8
10°	1660.1	1659.6	1652.3	1646.5	1635.0	1620.3	1600.9	1575.7	1552.2	1525.9	1500.8
12.5°	1702.1	1700.7	1698.4	1691.4	1680.7	1667.7	1651.2	1626.5	1597.4	1568.7	1539.3
15°	1758.8	1755.0	1748.3	1739.3	1724.1	1708.9	1690.6	1668.6	1640.7	1608.2	1580.9
17.5°	1828.8	1828.9	1818.5	1806.0	1785.3	1758.6	1730.2	1694.7	1656.9	1621.1	1592.1
20°	1886.7	1885.1	1874.6	1850.5	1826.9	1793.3	1760.8	1717.3	1671.1	1624.5	1588.3
22.5°	1969.7	1965.7	1954.8	1923.1	1886.5	1843.3	1793.5	1740.4	1684.6	1631.6	1584.2
25°	2105.9	2102.7	2081.2	2044.6	1993.2	1926.5	1861.5	1788.7	1708.4	1638.7	1580.9
27.5°	2199.0	2195.5	2179.6	2149.1	2101.7	2031.6	1943.6	1846.2	1746.1	1650.1	1566.9
30°	2189.8	2197.7	2195.5	2181.4	2145.8	2082.8	2001.6	1892.0	1772.9	1660.1	1561.0
32.5°	2058.0	2065.1	2083.6	2111.3	2113.4	2088.3	2027.5	1926.3	1803.1	1674.9	1556.4
35°	1747.2	1756.7	1792.3	1848.5	1921.8	1983.2	1995.8	1941.3	1830.6	1692.6	1549.5
37.5°	1343.2	1394.8	1424.8	1483.9	1594.8	1707.7	1816.2	1856.1	1809.1	1685.4	1538.3
40°	1141.0	1153.6	1207.1	1273.7	1367.1	1484.5	1639.2	1750.9	1754.5	1668.6	1520.7
42.5°	976.5	992.5	1029.3	1082.4	1162.4	1279.8	1439.5	1586.9	1655.2	1622.4	1497.6
45°	781.3	793.3	820.1	861.0	922.4	1019.4	1156.8	1327.2	1462.5	1515.4	1435.7
47.5°	641.9	648.3	671.7	702.8	748.2	818.9	925.2	1073.2	1235.5	1349.2	1338.0
50°	566.3	573.7	591.5	615.1	653.4	713.2	798.1	921.3	1088.6	1227.6	1255.4
52.5°	507.6	513.7	524.8	547.1	578.7	624.6	693.2	804.7	955.2	1103.0	1167.2
55°	428.9	433.1	442.0	454.6	479.8	512.8	572.1	649.1	770.8	919.8	1014.1
57.5°	364.2	366.2	371.9	383.5	400.9	425.1	467.9	533.2	620.5	754.6	858.7
60°	323.1	325.1	332.4	340.3	354.0	376.0	409.5	455.1	539.1	649.6	755.1
62.5°	290.3	291.5	294.7	302.6	314.5	331.5	357.9	395.2	461.9	559.1	658.6
65°	243.3	243.9	244.9	251.2	258.5	271.1	288.4	314.6	365.0	438.4	526.4
67.5°	198.2	198.9	202.6	204.8	212.5	219.0	229.2	249.3	284.8	334.3	402.7
70°	173.1	172.5	176.2	178.8	181.5	189.2	196.1	212.4	234.4	272.2	329.3
72.5°	149.6	148.1	149.8	150.7	154.2	159.6	166.3	176.3	193.3	219.2	263.1
75°	113.3	113.8	113.8	114.8	117.4	119.6	121.7	126.9	136.3	153.6	177.2
77.5°	79.5	78.7	80.9	81.2	82.7	85.0	86.8	89.0	92.8	100.0	112.1
80°	57.7	57.7	58.2	59.8	59.3	60.3	62.9	65.0	69.8	73.9	78.2
82.5°	44.2	43.8	44.3	44.6	44.5	45.6	46.6	47.0	48.8	50.9	53.8
85°	24.1	24.1	24.6	24.6	25.1	25.1	25.7	25.7	25.7	26.3	26.8
87.5°	11.4	10.9	10.5	10.4	10.8	11.5	11.0	10.5	10.4	10.3	10.5
90°	11.0	10.7	10.4	10.1	9.8	9.3	8.8	8.3	7.8	7.3	6.6
92.5°	10.2	10.1	10.0	9.8	9.7	9.3	8.8	8.3	7.8	7.3	6.7
95°	9.6	9.6	9.6	9.6	9.6	9.3	8.8	8.3	7.8	7.3	11.2
97.5°	9.6	9.6	9.6	9.6	9.6	11.0	13.9	16.8	19.6	22.5	30.1
100°	9.6	10.0	10.4	10.8	11.2	19.0	34.1	49.3	64.3	79.5	79.1
102.5°	57.5	64.3	71.3	78.2	85.1	90.0	92.8	95.7	98.6	101.4	101.2
105°	135.7	135.8	135.9	136.0	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.1	171.4	171.7	172.0	172.3	172.4	172.4	172.4	172.4	172.3	172.1
110°	195.5	195.4	195.3	195.2	195.1	195.2	195.5	195.8	196.1	196.4	196.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	217.4	217.6	217.7	217.9	218.0	218.3	218.6	219.0	219.4	219.8	219.7
115°	250.3	251.0	251.6	252.2	252.8	253.3	253.7	254.1	254.5	254.9	254.8
117.5°	285.5	285.7	286.0	286.2	286.5	286.9	287.4	287.9	288.5	289.0	288.6
120°	307.0	307.5	308.0	308.5	309.0	309.4	309.6	309.8	310.0	310.2	309.9
122.5°	327.5	328.1	328.6	329.2	329.8	330.2	330.4	330.6	330.8	331.0	330.9
125°	358.6	358.9	359.2	359.5	359.8	360.2	360.6	361.0	361.4	361.8	361.8
127.5°	384.9	385.6	386.4	387.1	387.9	388.4	388.6	388.8	389.0	389.2	389.3
130°	403.8	404.3	404.9	405.4	405.9	406.3	406.6	406.9	407.2	407.5	407.4
132.5°	421.4	421.9	422.4	422.9	423.4	423.7	423.7	423.8	423.9	423.9	424.1
135°	445.5	446.1	446.7	447.3	447.9	448.3	448.5	448.7	448.9	449.1	449.3
137.5°	469.6	470.1	470.6	471.1	471.7	471.9	471.9	471.8	471.8	471.7	471.9
140°	483.8	484.4	485.0	485.6	486.3	486.5	486.3	486.0	485.8	485.6	485.7
142.5°	497.4	498.0	498.6	499.2	499.8	500.1	500.0	500.0	499.9	499.9	499.8
145°	517.2	517.8	518.4	519.0	519.6	519.9	519.8	519.7	519.6	519.5	519.5
147.5°	533.5	534.2	535.0	535.7	536.4	536.7	536.6	536.5	536.3	536.2	536.1
150°	544.1	544.9	545.7	546.5	547.3	547.6	547.4	547.2	547.0	546.8	546.6
152.5°	554.0	554.7	555.4	556.1	556.9	557.1	556.9	556.7	556.5	556.3	556.1
155°	566.9	567.7	568.6	569.4	570.2	570.5	570.2	569.9	569.6	569.3	569.1
157.5°	577.8	578.7	579.5	580.3	581.1	581.3	581.0	580.7	580.4	580.1	580.0
160°	584.8	585.6	586.4	587.2	588.0	588.2	587.8	587.4	587.0	586.6	586.5
162.5°	591.0	591.9	592.8	593.7	594.6	594.7	594.2	593.6	593.0	592.5	592.4
165°	599.4	600.2	601.0	601.9	602.7	602.8	602.2	601.6	600.9	600.3	600.2
167.5°	605.2	606.1	607.0	607.9	608.9	608.9	608.2	607.5	606.8	606.0	605.9
170°	608.5	609.5	610.4	611.3	612.2	612.3	611.5	610.6	609.8	608.9	608.8
172.5°	610.8	611.7	612.6	613.5	614.4	614.5	613.7	613.0	612.3	611.6	611.4
175°	613.6	614.5	615.4	616.3	617.2	617.2	616.4	615.6	614.8	614.0	613.9
177.5°	615.2	615.8	616.5	617.1	617.8	617.8	617.2	616.7	616.1	615.6	615.5
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1312.6	1309.7	1304.2	1299.2	1292.9	1287.5	1283.6	1279.1	1273.1	1266.1	1260.2
5°	1370.7	1359.2	1343.9	1330.9	1314.0	1301.0	1287.4	1274.2	1261.1	1244.4	1229.6
7.5°	1435.1	1411.3	1388.2	1359.0	1332.5	1308.9	1286.3	1263.3	1240.9	1217.1	1194.1
10°	1474.5	1445.7	1413.7	1377.0	1343.4	1311.4	1282.1	1253.2	1222.8	1196.1	1167.2
12.5°	1511.5	1474.2	1437.6	1391.3	1351.0	1311.9	1274.6	1238.6	1206.1	1171.3	1140.4
15°	1544.8	1508.1	1467.2	1410.6	1354.4	1307.3	1263.2	1216.6	1176.2	1137.4	1102.8
17.5°	1557.7	1519.2	1471.7	1417.2	1355.9	1296.6	1239.8	1188.6	1141.1	1095.9	1057.0
20°	1552.7	1515.4	1466.6	1414.7	1349.2	1287.4	1226.0	1169.3	1116.4	1068.6	1027.2
22.5°	1540.4	1502.0	1454.9	1400.1	1337.9	1272.2	1206.7	1146.3	1090.8	1041.4	996.2
25°	1522.3	1469.9	1421.6	1368.1	1308.8	1243.9	1176.2	1109.5	1050.4	1000.0	950.7
27.5°	1503.3	1437.8	1376.4	1323.3	1260.7	1202.6	1137.5	1069.1	1006.9	955.6	905.0
30°	1486.1	1412.7	1345.0	1284.8	1225.5	1170.4	1108.5	1041.9	978.0	925.0	873.6
32.5°	1464.7	1386.6	1312.3	1242.7	1185.6	1130.9	1075.0	1011.3	949.0	894.3	842.1
35°	1437.8	1338.2	1257.5	1183.5	1120.0	1067.1	1016.7	965.3	902.9	846.4	795.5
37.5°	1402.6	1289.5	1196.1	1115.6	1048.6	995.4	955.7	908.8	851.8	797.6	750.3
40°	1381.2	1254.3	1152.1	1072.4	1002.1	945.9	908.8	868.9	817.0	766.1	718.9
42.5°	1352.7	1222.0	1107.6	1024.5	953.8	899.8	862.1	827.4	783.9	735.9	685.4
45°	1296.8	1159.4	1039.4	950.2	878.9	825.9	790.7	759.8	726.8	682.8	638.6
47.5°	1224.0	1094.1	968.4	871.1	801.2	752.0	718.0	693.6	669.9	632.5	589.7
50°	1165.7	1040.4	917.7	823.2	748.8	702.2	670.1	650.8	629.2	595.1	559.5
52.5°	1096.9	985.0	864.7	768.3	698.0	654.3	623.6	604.2	586.4	558.7	524.7
55°	988.5	890.4	780.2	692.7	628.2	584.1	554.8	536.4	525.9	502.3	475.6
57.5°	863.3	793.0	695.9	611.5	554.5	511.0	489.5	473.8	462.0	445.2	426.5
60°	776.1	726.8	639.7	559.5	507.1	465.6	446.3	433.1	422.1	408.0	393.2
62.5°	687.5	651.7	575.9	507.1	458.8	424.1	406.0	394.2	381.4	371.9	357.6
65°	569.0	536.9	484.5	430.5	386.0	358.1	345.1	334.6	326.7	316.2	306.2
67.5°	442.5	429.6	393.3	356.2	324.2	299.4	288.1	280.7	271.4	265.0	258.2
70°	365.0	358.7	333.0	308.3	278.4	261.7	251.2	248.0	236.5	230.2	225.5
72.5°	296.2	293.3	278.4	261.4	240.2	225.6	215.9	212.4	205.0	200.0	196.9
75°	202.9	204.0	201.4	190.4	182.5	173.1	164.6	162.6	157.3	153.1	150.5
77.5°	128.4	133.7	133.9	133.4	130.3	124.5	121.0	119.5	114.3	112.7	112.1
80°	88.1	93.8	99.1	98.6	97.6	95.9	93.3	91.8	89.2	87.6	86.5
82.5°	58.8	64.1	68.5	71.3	71.1	69.6	67.8	67.1	66.4	65.3	65.1
85°	27.8	28.9	30.4	34.1	36.7	37.3	36.7	36.2	34.6	35.1	35.6
87.5°	10.8	10.7	11.0	10.8	10.2	12.1	13.2	13.5	12.8	12.1	11.5
90°	5.9	5.2	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	6.1	5.5	4.7	4.7	5.4	5.9	6.5	7.1	6.5	5.9	5.4
95°	15.0	18.9	22.7	24.8	25.1	25.4	25.8	26.1	25.8	25.4	25.1
97.5°	37.8	45.3	53.0	56.6	56.0	55.4	54.9	54.3	54.9	55.4	56.0
100°	78.7	78.3	77.9	77.6	77.3	77.0	76.6	76.2	76.6	77.0	77.3
102.5°	100.9	100.7	100.5	100.2	99.8	99.4	99.0	98.6	99.0	99.4	99.8
105°	136.1	136.1	136.1	135.9	135.5	135.1	134.7	134.3	134.7	135.1	135.5
107.5°	171.9	171.7	171.5	171.4	171.4	171.4	171.4	171.4	171.4	171.4	171.4
110°	196.0	195.8	195.6	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5



TEST NUMBER: P333680-840

CATALOG NUMBER: S125RDIW-S850D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	219.6	219.4	219.3	219.1	218.9	218.6	218.4	218.2	218.4	218.6	218.9
115°	254.7	254.6	254.5	254.2	253.7	253.2	252.7	252.2	252.7	253.2	253.7
117.5°	288.2	287.8	287.5	287.3	287.3	287.3	287.3	287.4	287.3	287.3	287.3
120°	309.6	309.3	309.0	308.9	309.0	309.1	309.2	309.3	309.2	309.1	309.0
122.5°	330.7	330.6	330.4	330.2	329.8	329.4	329.0	328.7	329.0	329.4	329.8
125°	361.8	361.8	361.8	361.4	360.7	360.0	359.3	358.6	359.3	360.0	360.7
127.5°	389.4	389.4	389.5	389.3	388.8	388.3	387.8	387.2	387.8	388.3	388.8
130°	407.3	407.2	407.1	406.8	406.3	405.8	405.3	404.8	405.3	405.8	406.3
132.5°	424.4	424.6	424.9	424.6	424.0	423.5	422.9	422.3	422.9	423.5	424.0
135°	449.5	449.7	449.9	449.7	449.1	448.5	447.9	447.3	447.9	448.5	449.1
137.5°	472.1	472.3	472.5	472.3	471.8	471.2	470.7	470.2	470.7	471.2	471.8
140°	485.8	485.9	486.0	485.9	485.7	485.5	485.3	485.1	485.3	485.5	485.7
142.5°	499.6	499.5	499.3	499.2	499.1	499.0	498.9	498.7	498.9	499.0	499.1
145°	519.5	519.5	519.5	519.4	519.2	519.0	518.8	518.6	518.8	519.0	519.2
147.5°	536.0	535.9	535.7	535.7	535.7	535.8	535.8	535.9	535.8	535.8	535.7
150°	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8	546.6	546.4	546.2
152.5°	555.9	555.7	555.5	555.6	556.1	556.5	557.0	557.4	557.0	556.5	556.1
155°	568.9	568.7	568.5	568.7	569.3	569.9	570.5	571.1	570.5	569.9	569.3
157.5°	580.0	580.0	580.0	580.1	580.5	580.9	581.2	581.6	581.2	580.9	580.5
160°	586.4	586.3	586.2	586.4	587.0	587.6	588.2	588.9	588.2	587.6	587.0
162.5°	592.3	592.2	592.1	592.3	592.9	593.5	594.1	594.7	594.1	593.5	592.9
165°	600.1	600.0	599.9	600.2	600.8	601.4	602.0	602.6	602.0	601.4	600.8
167.5°	605.8	605.7	605.6	605.9	606.5	607.2	607.8	608.4	607.8	607.2	606.5
170°	608.7	608.6	608.5	608.8	609.6	610.3	611.1	611.8	611.1	610.3	609.6
172.5°	611.2	611.0	610.9	611.1	611.8	612.5	613.2	613.9	613.2	612.5	611.8
175°	613.8	613.7	613.6	613.9	614.5	615.1	615.7	616.3	615.7	615.1	614.5
177.5°	615.4	615.3	615.2	615.4	615.9	616.4	616.9	617.4	616.9	616.4	615.9
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333680-840

CATALOG NUMBER: S125RDIW-S850D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1256.0	1250.1	1245.9	1237.5	1231.6	1229.1	1224.6	1223.2	1227.9	1224.6	1224.1
5°	1218.6	1203.5	1191.3	1179.3	1166.2	1157.8	1145.2	1143.2	1139.9	1135.3	1134.2
7.5°	1173.9	1154.1	1138.5	1118.6	1101.3	1087.3	1071.6	1064.2	1060.1	1054.0	1045.8
10°	1143.7	1120.0	1099.0	1079.1	1057.6	1040.4	1024.6	1012.6	1004.7	997.3	994.2
12.5°	1113.9	1089.8	1063.0	1038.8	1014.9	995.4	978.1	970.2	961.5	952.9	945.5
15°	1067.6	1035.6	1006.2	978.5	958.1	937.1	920.3	908.8	895.6	891.9	877.8
17.5°	1018.5	987.1	952.8	923.5	899.8	876.8	858.3	845.2	835.4	821.8	815.3
20°	988.0	950.7	917.2	890.4	864.1	836.9	818.0	807.0	797.6	786.6	781.3
22.5°	955.2	918.8	884.4	853.0	826.4	799.6	786.2	774.7	764.0	753.9	746.9
25°	907.2	870.5	834.2	801.7	774.0	754.6	738.8	725.7	719.9	710.0	702.7
27.5°	859.7	820.6	783.0	750.7	728.9	709.7	696.8	686.4	676.0	667.3	661.0
30°	829.0	789.2	748.3	722.6	699.5	681.2	667.0	657.0	649.1	641.3	636.6
32.5°	798.4	757.3	721.0	693.2	671.4	655.6	641.0	631.5	623.2	614.5	608.9
35°	749.3	707.4	678.0	650.8	629.2	614.6	604.6	591.0	584.1	577.8	572.1
37.5°	703.7	664.7	632.9	609.0	590.4	575.7	562.9	555.5	547.1	541.5	536.6
40°	670.1	634.5	605.6	580.5	566.8	550.6	538.6	529.1	522.8	515.4	510.2
42.5°	640.0	606.8	578.8	556.1	539.2	525.4	513.8	504.3	496.3	491.1	486.8
45°	597.2	564.2	536.9	515.9	500.3	487.2	475.0	470.4	459.9	453.6	451.5
47.5°	553.1	523.5	497.3	477.9	461.8	449.4	438.1	428.4	422.6	416.5	413.1
50°	523.3	495.0	470.4	451.5	435.8	422.1	411.6	405.4	397.5	391.7	387.5
52.5°	493.5	467.4	442.7	424.6	411.0	397.4	385.7	379.3	371.9	368.2	365.3
55°	451.0	423.1	402.2	384.4	370.2	357.6	346.6	340.3	335.6	331.9	330.8
57.5°	402.7	380.7	361.2	345.2	330.4	318.6	308.9	303.0	298.8	298.2	295.1
60°	371.2	351.3	333.5	316.2	303.6	292.6	284.2	277.4	273.2	272.7	271.7
62.5°	339.8	320.7	304.2	288.9	277.6	267.0	259.0	251.4	248.8	246.2	244.0
65°	293.2	275.8	262.2	250.1	238.0	229.1	221.3	216.5	210.8	207.6	201.9
67.5°	247.3	233.9	220.8	210.6	201.2	192.7	186.1	179.2	175.2	172.7	168.5
70°	217.1	206.6	193.5	182.5	175.1	168.3	163.1	155.2	152.6	150.5	148.3
72.5°	188.5	179.4	168.3	159.5	152.1	145.6	139.6	135.9	133.3	131.2	130.0
75°	148.3	139.5	130.1	123.7	118.6	113.3	110.1	107.4	106.4	105.9	103.8
77.5°	109.0	104.2	96.6	91.7	88.2	86.1	83.3	81.9	81.8	79.5	78.8
80°	83.4	80.8	74.4	72.4	69.8	67.7	66.0	63.4	60.8	59.8	58.2
82.5°	62.0	59.4	56.9	53.5	51.3	50.0	48.5	47.5	47.9	46.4	45.6
85°	33.0	30.4	29.4	28.9	27.8	28.9	28.3	27.8	27.3	26.8	27.3
87.5°	11.2	11.4	11.1	12.1	11.0	11.5	11.6	11.3	11.4	11.5	11.2
90°	3.7	4.4	5.2	5.9	6.6	7.3	7.8	8.3	8.8	9.3	9.8
92.5°	4.7	4.7	5.5	6.1	6.7	7.3	7.8	8.3	8.8	9.3	9.7
95°	24.8	22.7	18.9	15.0	11.2	7.3	7.8	8.3	8.8	9.3	9.6
97.5°	56.6	53.0	45.3	37.8	30.1	22.5	19.6	16.8	13.9	11.0	9.6
100°	77.6	77.9	78.3	78.7	79.1	79.5	64.3	49.3	34.1	19.0	11.2
102.5°	100.2	100.5	100.7	100.9	101.2	101.4	98.6	95.7	92.8	90.0	85.1
105°	135.9	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.4	171.5	171.7	171.9	172.1	172.3	172.4	172.4	172.4	172.4	172.3
110°	195.5	195.6	195.8	196.0	196.2	196.4	196.1	195.8	195.5	195.2	195.1



TEST NUMBER: P333680-840

CATALOG NUMBER: S125RDIW-S850D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	219.1	219.3	219.4	219.6	219.7	219.8	219.4	219.0	218.6	218.3	218.0
115°	254.2	254.5	254.6	254.7	254.8	254.9	254.5	254.1	253.7	253.3	252.8
117.5°	287.3	287.5	287.8	288.2	288.6	289.0	288.5	287.9	287.4	286.9	286.5
120°	308.9	309.0	309.3	309.6	309.9	310.2	310.0	309.8	309.6	309.4	309.0
122.5°	330.2	330.4	330.6	330.7	330.9	331.0	330.8	330.6	330.4	330.2	329.8
125°	361.4	361.8	361.8	361.8	361.8	361.8	361.4	361.0	360.6	360.2	359.8
127.5°	389.3	389.5	389.4	389.4	389.3	389.2	389.0	388.8	388.6	388.4	387.9
130°	406.8	407.1	407.2	407.3	407.4	407.5	407.2	406.9	406.6	406.3	405.9
132.5°	424.6	424.9	424.6	424.4	424.1	423.9	423.9	423.8	423.7	423.7	423.4
135°	449.7	449.9	449.7	449.5	449.3	449.1	448.9	448.7	448.5	448.3	447.9
137.5°	472.3	472.5	472.3	472.1	471.9	471.7	471.8	471.8	471.9	471.9	471.7
140°	485.9	486.0	485.9	485.8	485.7	485.6	485.8	486.0	486.3	486.5	486.3
142.5°	499.2	499.3	499.5	499.6	499.8	499.9	499.9	500.0	500.0	500.1	499.8
145°	519.4	519.5	519.5	519.5	519.5	519.5	519.6	519.7	519.8	519.9	519.6
147.5°	535.7	535.7	535.9	536.0	536.1	536.2	536.3	536.5	536.6	536.7	536.4
150°	546.0	546.0	546.2	546.4	546.6	546.8	547.0	547.2	547.4	547.6	547.3
152.5°	555.6	555.5	555.7	555.9	556.1	556.3	556.5	556.7	556.9	557.1	556.9
155°	568.7	568.5	568.7	568.9	569.1	569.3	569.6	569.9	570.2	570.5	570.2
157.5°	580.1	580.0	580.0	580.0	580.0	580.1	580.4	580.7	581.0	581.3	581.1
160°	586.4	586.2	586.3	586.4	586.5	586.6	587.0	587.4	587.8	588.2	588.0
162.5°	592.3	592.1	592.2	592.3	592.4	592.5	593.0	593.6	594.2	594.7	594.6
165°	600.2	599.9	600.0	600.1	600.2	600.3	600.9	601.6	602.2	602.8	602.7
167.5°	605.9	605.6	605.7	605.8	605.9	606.0	606.8	607.5	608.2	608.9	608.9
170°	608.8	608.5	608.6	608.7	608.8	608.9	609.8	610.6	611.5	612.3	612.2
172.5°	611.1	610.9	611.0	611.2	611.4	611.6	612.3	613.0	613.7	614.5	614.4
175°	613.9	613.6	613.7	613.8	613.9	614.0	614.8	615.6	616.4	617.2	617.2
177.5°	615.4	615.2	615.3	615.4	615.5	615.6	616.1	616.7	617.2	617.8	617.8
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333680-840

CATALOG NUMBER: S125RDIW-S850D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1223.7	1219.1	1217.8	1219.5	1217.8	1219.1	1223.7	1224.1	1224.6	1227.9	1223.2
5°	1128.9	1123.8	1126.3	1125.3	1126.3	1123.8	1128.9	1134.2	1135.3	1139.9	1143.2
7.5°	1045.7	1039.2	1032.3	1034.5	1032.3	1039.2	1045.7	1045.8	1054.0	1060.1	1064.2
10°	987.3	982.2	979.0	981.6	979.0	982.2	987.3	994.2	997.3	1004.7	1012.6
12.5°	938.3	935.1	932.4	931.3	932.4	935.1	938.3	945.5	952.9	961.5	970.2
15°	871.5	865.3	862.6	855.8	862.6	865.3	871.5	877.8	891.9	895.6	908.8
17.5°	809.9	807.9	801.0	798.1	801.0	807.9	809.9	815.3	821.8	835.4	845.2
20°	773.5	771.3	764.6	768.7	764.6	771.3	773.5	781.3	786.6	797.6	807.0
22.5°	743.3	738.6	736.4	735.2	736.4	738.6	743.3	746.9	753.9	764.0	774.7
25°	700.5	693.8	691.2	688.0	691.2	693.8	700.5	702.7	710.0	719.9	725.7
27.5°	658.0	654.3	650.9	650.1	650.9	654.3	658.0	661.0	667.3	676.0	686.4
30°	630.3	626.6	624.0	624.0	624.0	626.6	630.3	636.6	641.3	649.1	657.0
32.5°	605.5	602.7	600.1	599.7	600.1	602.7	605.5	608.9	614.5	623.2	631.5
35°	569.5	565.3	564.2	561.1	564.2	565.3	569.5	572.1	577.8	584.1	591.0
37.5°	532.0	528.6	528.5	528.2	528.5	528.6	532.0	536.6	541.5	547.1	555.5
40°	508.2	505.5	504.9	501.3	504.9	505.5	508.2	510.2	515.4	522.8	529.1
42.5°	482.5	481.2	479.4	477.8	479.4	481.2	482.5	486.8	491.1	496.3	504.3
45°	447.8	444.1	444.1	441.5	444.1	444.1	447.8	451.5	453.6	459.9	470.4
47.5°	411.9	409.1	409.4	406.7	409.4	409.1	411.9	413.1	416.5	422.6	428.4
50°	388.0	386.5	386.0	384.9	386.0	386.5	388.0	387.5	391.7	397.5	405.4
52.5°	364.2	363.3	365.4	363.0	365.4	363.3	364.2	365.3	368.2	371.9	379.3
55°	331.9	330.3	333.5	330.3	333.5	330.3	331.9	330.8	331.9	335.6	340.3
57.5°	294.9	293.5	296.3	294.7	296.3	293.5	294.9	295.1	298.2	298.8	303.0
60°	270.5	267.4	269.0	269.5	269.0	267.4	270.5	271.7	272.7	273.2	277.4
62.5°	241.7	239.7	240.9	238.5	240.9	239.7	241.7	244.0	246.2	248.8	251.4
65°	200.9	199.2	197.1	196.1	197.1	199.2	200.9	201.9	207.6	210.8	216.5
67.5°	168.7	165.0	164.9	165.7	164.9	165.0	168.7	168.5	172.7	175.2	179.2
70°	145.2	145.2	144.7	144.7	144.7	145.2	145.2	148.3	150.5	152.6	155.2
72.5°	128.9	128.5	127.5	127.1	127.5	128.5	128.9	130.0	131.2	133.3	135.9
75°	103.8	104.3	103.3	102.8	103.3	104.3	103.8	103.8	105.9	106.4	107.4
77.5°	76.6	74.4	75.6	74.4	75.6	74.4	76.6	78.8	79.5	81.8	81.9
80°	58.2	57.7	59.3	57.7	59.3	57.7	58.2	58.2	59.8	60.8	63.4
82.5°	46.0	45.5	46.3	45.1	46.3	45.5	46.0	45.6	46.4	47.9	47.5
85°	27.8	27.3	26.8	27.3	26.8	27.3	27.8	27.3	26.8	27.3	27.8
87.5°	11.6	11.3	11.3	11.4	11.3	11.3	11.6	11.2	11.5	11.4	11.3
90°	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.3	8.8	8.3
92.5°	9.8	10.0	10.1	10.2	10.1	10.0	9.8	9.7	9.3	8.8	8.3
95°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.3	8.8	8.3
97.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	11.0	13.9	16.8
100°	10.8	10.4	10.0	9.6	10.0	10.4	10.8	11.2	19.0	34.1	49.3
102.5°	78.2	71.3	64.3	57.5	64.3	71.3	78.2	85.1	90.0	92.8	95.7
105°	136.0	135.9	135.8	135.7	135.8	135.9	136.0	136.1	136.1	136.1	136.1
107.5°	172.0	171.7	171.4	171.1	171.4	171.7	172.0	172.3	172.4	172.4	172.4
110°	195.2	195.3	195.4	195.5	195.4	195.3	195.2	195.1	195.2	195.5	195.8



TEST NUMBER: P333680-840

CATALOG NUMBER: S125RDIW-S850D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	217.9	217.7	217.6	217.4	217.6	217.7	217.9	218.0	218.3	218.6	219.0
115°	252.2	251.6	251.0	250.3	251.0	251.6	252.2	252.8	253.3	253.7	254.1
117.5°	286.2	286.0	285.7	285.5	285.7	286.0	286.2	286.5	286.9	287.4	287.9
120°	308.5	308.0	307.5	307.0	307.5	308.0	308.5	309.0	309.4	309.6	309.8
122.5°	329.2	328.6	328.1	327.5	328.1	328.6	329.2	329.8	330.2	330.4	330.6
125°	359.5	359.2	358.9	358.6	358.9	359.2	359.5	359.8	360.2	360.6	361.0
127.5°	387.1	386.4	385.6	384.9	385.6	386.4	387.1	387.9	388.4	388.6	388.8
130°	405.4	404.9	404.3	403.8	404.3	404.9	405.4	405.9	406.3	406.6	406.9
132.5°	422.9	422.4	421.9	421.4	421.9	422.4	422.9	423.4	423.7	423.7	423.8
135°	447.3	446.7	446.1	445.5	446.1	446.7	447.3	447.9	448.3	448.5	448.7
137.5°	471.1	470.6	470.1	469.6	470.1	470.6	471.1	471.7	471.9	471.9	471.8
140°	485.6	485.0	484.4	483.8	484.4	485.0	485.6	486.3	486.5	486.3	486.0
142.5°	499.2	498.6	498.0	497.4	498.0	498.6	499.2	499.8	500.1	500.0	500.0
145°	519.0	518.4	517.8	517.2	517.8	518.4	519.0	519.6	519.9	519.8	519.7
147.5°	535.7	535.0	534.2	533.5	534.2	535.0	535.7	536.4	536.7	536.6	536.5
150°	546.5	545.7	544.9	544.1	544.9	545.7	546.5	547.3	547.6	547.4	547.2
152.5°	556.1	555.4	554.7	554.0	554.7	555.4	556.1	556.9	557.1	556.9	556.7
155°	569.4	568.6	567.7	566.9	567.7	568.6	569.4	570.2	570.5	570.2	569.9
157.5°	580.3	579.5	578.7	577.8	578.7	579.5	580.3	581.1	581.3	581.0	580.7
160°	587.2	586.4	585.6	584.8	585.6	586.4	587.2	588.0	588.2	587.8	587.4
162.5°	593.7	592.8	591.9	591.0	591.9	592.8	593.7	594.6	594.7	594.2	593.6
165°	601.9	601.0	600.2	599.4	600.2	601.0	601.9	602.7	602.8	602.2	601.6
167.5°	607.9	607.0	606.1	605.2	606.1	607.0	607.9	608.9	608.9	608.2	607.5
170°	611.3	610.4	609.5	608.5	609.5	610.4	611.3	612.2	612.3	611.5	610.6
172.5°	613.5	612.6	611.7	610.8	611.7	612.6	613.5	614.4	614.5	613.7	613.0
175°	616.3	615.4	614.5	613.6	614.5	615.4	616.3	617.2	617.2	616.4	615.6
177.5°	617.1	616.5	615.8	615.2	615.8	616.5	617.1	617.8	617.8	617.2	616.7
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333680-840

CATALOG NUMBER: S125RDIW-S850D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1224.6	1229.1	1231.6	1237.5	1245.9	1250.1	1256.0	1260.2	1266.1	1273.1	1279.1
5°	1145.2	1157.8	1166.2	1179.3	1191.3	1203.5	1218.6	1229.6	1244.4	1261.1	1274.2
7.5°	1071.6	1087.3	1101.3	1118.6	1138.5	1154.1	1173.9	1194.1	1217.1	1240.9	1263.3
10°	1024.6	1040.4	1057.6	1079.1	1099.0	1120.0	1143.7	1167.2	1196.1	1222.8	1253.2
12.5°	978.1	995.4	1014.9	1038.8	1063.0	1089.8	1113.9	1140.4	1171.3	1206.1	1238.6
15°	920.3	937.1	958.1	978.5	1006.2	1035.6	1067.6	1102.8	1137.4	1176.2	1216.6
17.5°	858.3	876.8	899.8	923.5	952.8	987.1	1018.5	1057.0	1095.9	1141.1	1188.6
20°	818.0	836.9	864.1	890.4	917.2	950.7	988.0	1027.2	1068.6	1116.4	1169.3
22.5°	786.2	799.6	826.4	853.0	884.4	918.8	955.2	996.2	1041.4	1090.8	1146.3
25°	738.8	754.6	774.0	801.7	834.2	870.5	907.2	950.7	1000.0	1050.4	1109.5
27.5°	696.8	709.7	728.9	750.7	783.0	820.6	859.7	905.0	955.6	1006.9	1069.1
30°	667.0	681.2	699.5	722.6	748.3	789.2	829.0	873.6	925.0	978.0	1041.9
32.5°	641.0	655.6	671.4	693.2	721.0	757.3	798.4	842.1	894.3	949.0	1011.3
35°	604.6	614.6	629.2	650.8	678.0	707.4	749.3	795.5	846.4	902.9	965.3
37.5°	562.9	575.7	590.4	609.0	632.9	664.7	703.7	750.3	797.6	851.8	908.8
40°	538.6	550.6	566.8	580.5	605.6	634.5	670.1	718.9	766.1	817.0	868.9
42.5°	513.8	525.4	539.2	556.1	578.8	606.8	640.0	685.4	735.9	783.9	827.4
45°	475.0	487.2	500.3	515.9	536.9	564.2	597.2	638.6	682.8	726.8	759.8
47.5°	438.1	449.4	461.8	477.9	497.3	523.5	553.1	589.7	632.5	669.9	693.6
50°	411.6	422.1	435.8	451.5	470.4	495.0	523.3	559.5	595.1	629.2	650.8
52.5°	385.7	397.4	411.0	424.6	442.7	467.4	493.5	524.7	558.7	586.4	604.2
55°	346.6	357.6	370.2	384.4	402.2	423.1	451.0	475.6	502.3	525.9	536.4
57.5°	308.9	318.6	330.4	345.2	361.2	380.7	402.7	426.5	445.2	462.0	473.8
60°	284.2	292.6	303.6	316.2	333.5	351.3	371.2	393.2	408.0	422.1	433.1
62.5°	259.0	267.0	277.6	288.9	304.2	320.7	339.8	357.6	371.9	381.4	394.2
65°	221.3	229.1	238.0	250.1	262.2	275.8	293.2	306.2	316.2	326.7	334.6
67.5°	186.1	192.7	201.2	210.6	220.8	233.9	247.3	258.2	265.0	271.4	280.7
70°	163.1	168.3	175.1	182.5	193.5	206.6	217.1	225.5	230.2	236.5	248.0
72.5°	139.6	145.6	152.1	159.5	168.3	179.4	188.5	196.9	200.0	205.0	212.4
75°	110.1	113.3	118.6	123.7	130.1	139.5	148.3	150.5	153.1	157.3	162.6
77.5°	83.3	86.1	88.2	91.7	96.6	104.2	109.0	112.1	112.7	114.3	119.5
80°	66.0	67.7	69.8	72.4	74.4	80.8	83.4	86.5	87.6	89.2	91.8
82.5°	48.5	50.0	51.3	53.5	56.9	59.4	62.0	65.1	65.3	66.4	67.1
85°	28.3	28.9	27.8	28.9	29.4	30.4	33.0	35.6	35.1	34.6	36.2
87.5°	11.6	11.5	11.0	12.1	11.1	11.4	11.2	11.5	12.1	12.8	13.5
90°	7.8	7.3	6.6	5.9	5.2	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	7.8	7.3	6.7	6.1	5.5	4.7	4.7	5.4	5.9	6.5	7.1
95°	7.8	7.3	11.2	15.0	18.9	22.7	24.8	25.1	25.4	25.8	26.1
97.5°	19.6	22.5	30.1	37.8	45.3	53.0	56.6	56.0	55.4	54.9	54.3
100°	64.3	79.5	79.1	78.7	78.3	77.9	77.6	77.3	77.0	76.6	76.2
102.5°	98.6	101.4	101.2	100.9	100.7	100.5	100.2	99.8	99.4	99.0	98.6
105°	136.1	136.1	136.1	136.1	136.1	136.1	135.9	135.5	135.1	134.7	134.3
107.5°	172.4	172.3	172.1	171.9	171.7	171.5	171.4	171.4	171.4	171.4	171.4
110°	196.1	196.4	196.2	196.0	195.8	195.6	195.5	195.5	195.5	195.5	195.5



TEST NUMBER: P333680-840

CATALOG NUMBER: S125RDIW-S850D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	219.4	219.8	219.7	219.6	219.4	219.3	219.1	218.9	218.6	218.4	218.2
115°	254.5	254.9	254.8	254.7	254.6	254.5	254.2	253.7	253.2	252.7	252.2
117.5°	288.5	289.0	288.6	288.2	287.8	287.5	287.3	287.3	287.3	287.3	287.4
120°	310.0	310.2	309.9	309.6	309.3	309.0	308.9	309.0	309.1	309.2	309.3
122.5°	330.8	331.0	330.9	330.7	330.6	330.4	330.2	329.8	329.4	329.0	328.7
125°	361.4	361.8	361.8	361.8	361.8	361.8	361.4	360.7	360.0	359.3	358.6
127.5°	389.0	389.2	389.3	389.4	389.4	389.5	389.3	388.8	388.3	387.8	387.2
130°	407.2	407.5	407.4	407.3	407.2	407.1	406.8	406.3	405.8	405.3	404.8
132.5°	423.9	423.9	424.1	424.4	424.6	424.9	424.6	424.0	423.5	422.9	422.3
135°	448.9	449.1	449.3	449.5	449.7	449.9	449.7	449.1	448.5	447.9	447.3
137.5°	471.8	471.7	471.9	472.1	472.3	472.5	472.3	471.8	471.2	470.7	470.2
140°	485.8	485.6	485.7	485.8	485.9	486.0	485.9	485.7	485.5	485.3	485.1
142.5°	499.9	499.9	499.8	499.6	499.5	499.3	499.2	499.1	499.0	498.9	498.7
145°	519.6	519.5	519.5	519.5	519.5	519.5	519.4	519.2	519.0	518.8	518.6
147.5°	536.3	536.2	536.1	536.0	535.9	535.7	535.7	535.7	535.8	535.8	535.9
150°	547.0	546.8	546.6	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8
152.5°	556.5	556.3	556.1	555.9	555.7	555.5	555.6	556.1	556.5	557.0	557.4
155°	569.6	569.3	569.1	568.9	568.7	568.5	568.7	569.3	569.9	570.5	571.1
157.5°	580.4	580.1	580.0	580.0	580.0	580.0	580.1	580.5	580.9	581.2	581.6
160°	587.0	586.6	586.5	586.4	586.3	586.2	586.4	587.0	587.6	588.2	588.9
162.5°	593.0	592.5	592.4	592.3	592.2	592.1	592.3	592.9	593.5	594.1	594.7
165°	600.9	600.3	600.2	600.1	600.0	599.9	600.2	600.8	601.4	602.0	602.6
167.5°	606.8	606.0	605.9	605.8	605.7	605.6	605.9	606.5	607.2	607.8	608.4
170°	609.8	608.9	608.8	608.7	608.6	608.5	608.8	609.6	610.3	611.1	611.8
172.5°	612.3	611.6	611.4	611.2	611.0	610.9	611.1	611.8	612.5	613.2	613.9
175°	614.8	614.0	613.9	613.8	613.7	613.6	613.9	614.5	615.1	615.7	616.3
177.5°	616.1	615.6	615.5	615.4	615.3	615.2	615.4	615.9	616.4	616.9	617.4
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



TEST NUMBER: P333680-840

CATALOG NUMBER: S125RDIW-S850D470U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1283.6	1287.5	1292.9	1299.2	1304.2	1309.7	1312.6	1312.6	1315.1	1320.6	1327.7
5°	1287.4	1301.0	1314.0	1330.9	1343.9	1359.2	1370.7	1381.7	1391.7	1404.2	1417.3
7.5°	1286.3	1308.9	1332.5	1359.0	1388.2	1411.3	1435.1	1453.8	1472.2	1496.3	1515.3
10°	1282.1	1311.4	1343.4	1377.0	1413.7	1445.7	1474.5	1500.8	1525.9	1552.2	1575.7
12.5°	1274.6	1311.9	1351.0	1391.3	1437.6	1474.2	1511.5	1539.3	1568.7	1597.4	1626.5
15°	1263.2	1307.3	1354.4	1410.6	1467.2	1508.1	1544.8	1580.9	1608.2	1640.7	1668.6
17.5°	1239.8	1296.6	1355.9	1417.2	1471.7	1519.2	1557.7	1592.1	1621.1	1656.9	1694.7
20°	1226.0	1287.4	1349.2	1414.7	1466.6	1515.4	1552.7	1588.3	1624.5	1671.1	1717.3
22.5°	1206.7	1272.2	1337.9	1400.1	1454.9	1502.0	1540.4	1584.2	1631.6	1684.6	1740.4
25°	1176.2	1243.9	1308.8	1368.1	1421.6	1469.9	1522.3	1580.9	1638.7	1708.4	1788.7
27.5°	1137.5	1202.6	1260.7	1323.3	1376.4	1437.8	1503.3	1566.9	1650.1	1746.1	1846.2
30°	1108.5	1170.4	1225.5	1284.8	1345.0	1412.7	1486.1	1561.0	1660.1	1772.9	1892.0
32.5°	1075.0	1130.9	1185.6	1242.7	1312.3	1386.6	1464.7	1556.4	1674.9	1803.1	1926.3
35°	1016.7	1067.1	1120.0	1183.5	1257.5	1338.2	1437.8	1549.5	1692.6	1830.6	1941.3
37.5°	955.7	995.4	1048.6	1115.6	1196.1	1289.5	1402.6	1538.3	1685.4	1809.1	1856.1
40°	908.8	945.9	1002.1	1072.4	1152.1	1254.3	1381.2	1520.7	1668.6	1754.5	1750.9
42.5°	862.1	899.8	953.8	1024.5	1107.6	1222.0	1352.7	1497.6	1622.4	1655.2	1586.9
45°	790.7	825.9	878.9	950.2	1039.4	1159.4	1296.8	1435.7	1515.4	1462.5	1327.2
47.5°	718.0	752.0	801.2	871.1	968.4	1094.1	1224.0	1338.0	1349.2	1235.5	1073.2
50°	670.1	702.2	748.8	823.2	917.7	1040.4	1165.7	1255.4	1227.6	1088.6	921.3
52.5°	623.6	654.3	698.0	768.3	864.7	985.0	1096.9	1167.2	1103.0	955.2	804.7
55°	554.8	584.1	628.2	692.7	780.2	890.4	988.5	1014.1	919.8	770.8	649.1
57.5°	489.5	511.0	554.5	611.5	695.9	793.0	863.3	858.7	754.6	620.5	533.2
60°	446.3	465.6	507.1	559.5	639.7	726.8	776.1	755.1	649.6	539.1	455.1
62.5°	406.0	424.1	458.8	507.1	575.9	651.7	687.5	658.6	559.1	461.9	395.2
65°	345.1	358.1	386.0	430.5	484.5	536.9	569.0	526.4	438.4	365.0	314.6
67.5°	288.1	299.4	324.2	356.2	393.3	429.6	442.5	402.7	334.3	284.8	249.3
70°	251.2	261.7	278.4	308.3	333.0	358.7	365.0	329.3	272.2	234.4	212.4
72.5°	215.9	225.6	240.2	261.4	278.4	293.3	296.2	263.1	219.2	193.3	176.3
75°	164.6	173.1	182.5	190.4	201.4	204.0	202.9	177.2	153.6	136.3	126.9
77.5°	121.0	124.5	130.3	133.4	133.9	133.7	128.4	112.1	100.0	92.8	89.0
80°	93.3	95.9	97.6	98.6	99.1	93.8	88.1	78.2	73.9	69.8	65.0
82.5°	67.8	69.6	71.1	71.3	68.5	64.1	58.8	53.8	50.9	48.8	47.0
85°	36.7	37.3	36.7	34.1	30.4	28.9	27.8	26.8	26.3	25.7	25.7
87.5°	13.2	12.1	10.2	10.8	11.0	10.7	10.8	10.5	10.3	10.4	10.5
90°	1.3	2.1	2.9	3.7	4.4	5.2	5.9	6.6	7.3	7.8	8.3
92.5°	6.5	5.9	5.4	4.7	4.7	5.5	6.1	6.7	7.3	7.8	8.3
95°	25.8	25.4	25.1	24.8	22.7	18.9	15.0	11.2	7.3	7.8	8.3
97.5°	54.9	55.4	56.0	56.6	53.0	45.3	37.8	30.1	22.5	19.6	16.8
100°	76.6	77.0	77.3	77.6	77.9	78.3	78.7	79.1	79.5	64.3	49.3
102.5°	99.0	99.4	99.8	100.2	100.5	100.7	100.9	101.2	101.4	98.6	95.7
105°	134.7	135.1	135.5	135.9	136.1	136.1	136.1	136.1	136.1	136.1	136.1
107.5°	171.4	171.4	171.4	171.4	171.5	171.7	171.9	172.1	172.3	172.4	172.4
110°	195.5	195.5	195.5	195.5	195.6	195.8	196.0	196.2	196.4	196.1	195.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	218.4	218.6	218.9	219.1	219.3	219.4	219.6	219.7	219.8	219.4	219.0
115°	252.7	253.2	253.7	254.2	254.5	254.6	254.7	254.8	254.9	254.5	254.1
117.5°	287.3	287.3	287.3	287.3	287.5	287.8	288.2	288.6	289.0	288.5	287.9
120°	309.2	309.1	309.0	308.9	309.0	309.3	309.6	309.9	310.2	310.0	309.8
122.5°	329.0	329.4	329.8	330.2	330.4	330.6	330.7	330.9	331.0	330.8	330.6
125°	359.3	360.0	360.7	361.4	361.8	361.8	361.8	361.8	361.8	361.4	361.0
127.5°	387.8	388.3	388.8	389.3	389.5	389.4	389.4	389.3	389.2	389.0	388.8
130°	405.3	405.8	406.3	406.8	407.1	407.2	407.3	407.4	407.5	407.2	406.9
132.5°	422.9	423.5	424.0	424.6	424.9	424.6	424.4	424.1	423.9	423.9	423.8
135°	447.9	448.5	449.1	449.7	449.9	449.7	449.5	449.3	449.1	448.9	448.7
137.5°	470.7	471.2	471.8	472.3	472.5	472.3	472.1	471.9	471.7	471.8	471.8
140°	485.3	485.5	485.7	485.9	486.0	485.9	485.8	485.7	485.6	485.8	486.0
142.5°	498.9	499.0	499.1	499.2	499.3	499.5	499.6	499.8	499.9	499.9	500.0
145°	518.8	519.0	519.2	519.4	519.5	519.5	519.5	519.5	519.5	519.6	519.7
147.5°	535.8	535.8	535.7	535.7	535.7	535.9	536.0	536.1	536.2	536.3	536.5
150°	546.6	546.4	546.2	546.0	546.0	546.2	546.4	546.6	546.8	547.0	547.2
152.5°	557.0	556.5	556.1	555.6	555.5	555.7	555.9	556.1	556.3	556.5	556.7
155°	570.5	569.9	569.3	568.7	568.5	568.7	568.9	569.1	569.3	569.6	569.9
157.5°	581.2	580.9	580.5	580.1	580.0	580.0	580.0	580.0	580.1	580.4	580.7
160°	588.2	587.6	587.0	586.4	586.2	586.3	586.4	586.5	586.6	587.0	587.4
162.5°	594.1	593.5	592.9	592.3	592.1	592.2	592.3	592.4	592.5	593.0	593.6
165°	602.0	601.4	600.8	600.2	599.9	600.0	600.1	600.2	600.3	600.9	601.6
167.5°	607.8	607.2	606.5	605.9	605.6	605.7	605.8	605.9	606.0	606.8	607.5
170°	611.1	610.3	609.6	608.8	608.5	608.6	608.7	608.8	608.9	609.8	610.6
172.5°	613.2	612.5	611.8	611.1	610.9	611.0	611.2	611.4	611.6	612.3	613.0
175°	615.7	615.1	614.5	613.9	613.6	613.7	613.8	613.9	614.0	614.8	615.6
177.5°	616.9	616.4	615.9	615.4	615.2	615.3	615.4	615.5	615.6	616.1	616.7
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3	616.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4	1277.4
2.5°	1333.1	1333.1	1340.3	1339.9	1344.5	1342.8	1343.6
5°	1433.1	1442.0	1449.9	1455.1	1463.0	1465.1	1464.0
7.5°	1536.7	1556.5	1566.2	1579.4	1581.9	1588.7	1588.0
10°	1600.9	1620.3	1635.0	1646.5	1652.3	1659.6	1660.1
12.5°	1651.2	1667.7	1680.7	1691.4	1698.4	1700.7	1702.1
15°	1690.6	1708.9	1724.1	1739.3	1748.3	1755.0	1758.8
17.5°	1730.2	1758.6	1785.3	1806.0	1818.5	1828.9	1828.8
20°	1760.8	1793.3	1826.9	1850.5	1874.6	1885.1	1886.7
22.5°	1793.5	1843.3	1886.5	1923.1	1954.8	1965.7	1969.7
25°	1861.5	1926.5	1993.2	2044.6	2081.2	2102.7	2105.9
27.5°	1943.6	2031.6	2101.7	2149.1	2179.6	2195.5	2199.0
30°	2001.6	2082.8	2145.8	2181.4	2195.5	2197.7	2189.8
32.5°	2027.5	2088.3	2113.4	2111.3	2083.6	2065.1	2058.0
35°	1995.8	1983.2	1921.8	1848.5	1792.3	1756.7	1747.2
37.5°	1816.2	1707.7	1594.8	1483.9	1424.8	1394.8	1343.2
40°	1639.2	1484.5	1367.1	1273.7	1207.1	1153.6	1141.0
42.5°	1439.5	1279.8	1162.4	1082.4	1029.3	992.5	976.5
45°	1156.8	1019.4	922.4	861.0	820.1	793.3	781.3
47.5°	925.2	818.9	748.2	702.8	671.7	648.3	641.9
50°	798.1	713.2	653.4	615.1	591.5	573.7	566.3
52.5°	693.2	624.6	578.7	547.1	524.8	513.7	507.6
55°	572.1	512.8	479.8	454.6	442.0	433.1	428.9
57.5°	467.9	425.1	400.9	383.5	371.9	366.2	364.2
60°	409.5	376.0	354.0	340.3	332.4	325.1	323.1
62.5°	357.9	331.5	314.5	302.6	294.7	291.5	290.3
65°	288.4	271.1	258.5	251.2	244.9	243.9	243.3
67.5°	229.2	219.0	212.5	204.8	202.6	198.9	198.2
70°	196.1	189.2	181.5	178.8	176.2	172.5	173.1
72.5°	166.3	159.6	154.2	150.7	149.8	148.1	149.6
75°	121.7	119.6	117.4	114.8	113.8	113.8	113.3
77.5°	86.8	85.0	82.7	81.2	80.9	78.7	79.5
80°	62.9	60.3	59.3	59.8	58.2	57.7	57.7
82.5°	46.6	45.6	44.5	44.6	44.3	43.8	44.2
85°	25.7	25.1	25.1	24.6	24.6	24.1	24.1
87.5°	11.0	11.5	10.8	10.4	10.5	10.9	11.4
90°	8.8	9.3	9.8	10.1	10.4	10.7	11.0
92.5°	8.8	9.3	9.7	9.8	10.0	10.1	10.2
95°	8.8	9.3	9.6	9.6	9.6	9.6	9.6
97.5°	13.9	11.0	9.6	9.6	9.6	9.6	9.6
100°	34.1	19.0	11.2	10.8	10.4	10.0	9.6
102.5°	92.8	90.0	85.1	78.2	71.3	64.3	57.5
105°	136.1	136.1	136.1	136.0	135.9	135.8	135.7
107.5°	172.4	172.4	172.3	172.0	171.7	171.4	171.1
110°	195.5	195.2	195.1	195.2	195.3	195.4	195.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	218.6	218.3	218.0	217.9	217.7	217.6	217.4
115°	253.7	253.3	252.8	252.2	251.6	251.0	250.3
117.5°	287.4	286.9	286.5	286.2	286.0	285.7	285.5
120°	309.6	309.4	309.0	308.5	308.0	307.5	307.0
122.5°	330.4	330.2	329.8	329.2	328.6	328.1	327.5
125°	360.6	360.2	359.8	359.5	359.2	358.9	358.6
127.5°	388.6	388.4	387.9	387.1	386.4	385.6	384.9
130°	406.6	406.3	405.9	405.4	404.9	404.3	403.8
132.5°	423.7	423.7	423.4	422.9	422.4	421.9	421.4
135°	448.5	448.3	447.9	447.3	446.7	446.1	445.5
137.5°	471.9	471.9	471.7	471.1	470.6	470.1	469.6
140°	486.3	486.5	486.3	485.6	485.0	484.4	483.8
142.5°	500.0	500.1	499.8	499.2	498.6	498.0	497.4
145°	519.8	519.9	519.6	519.0	518.4	517.8	517.2
147.5°	536.6	536.7	536.4	535.7	535.0	534.2	533.5
150°	547.4	547.6	547.3	546.5	545.7	544.9	544.1
152.5°	556.9	557.1	556.9	556.1	555.4	554.7	554.0
155°	570.2	570.5	570.2	569.4	568.6	567.7	566.9
157.5°	581.0	581.3	581.1	580.3	579.5	578.7	577.8
160°	587.8	588.2	588.0	587.2	586.4	585.6	584.8
162.5°	594.2	594.7	594.6	593.7	592.8	591.9	591.0
165°	602.2	602.8	602.7	601.9	601.0	600.2	599.4
167.5°	608.2	608.9	608.9	607.9	607.0	606.1	605.2
170°	611.5	612.3	612.2	611.3	610.4	609.5	608.5
172.5°	613.7	614.5	614.4	613.5	612.6	611.7	610.8
175°	616.4	617.2	617.2	616.3	615.4	614.5	613.6
177.5°	617.2	617.8	617.8	617.1	616.5	615.8	615.2
180°	616.3	616.3	616.3	616.3	616.3	616.3	616.3

(END OF REPORT)