

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: P333551-840

Luminaire Tested: **S125RDIP-S850D365U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333551-840
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: S125RDIP-S850D365U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4590.3 lumens
Efficiency: N/A
Efficacy: 131.2 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

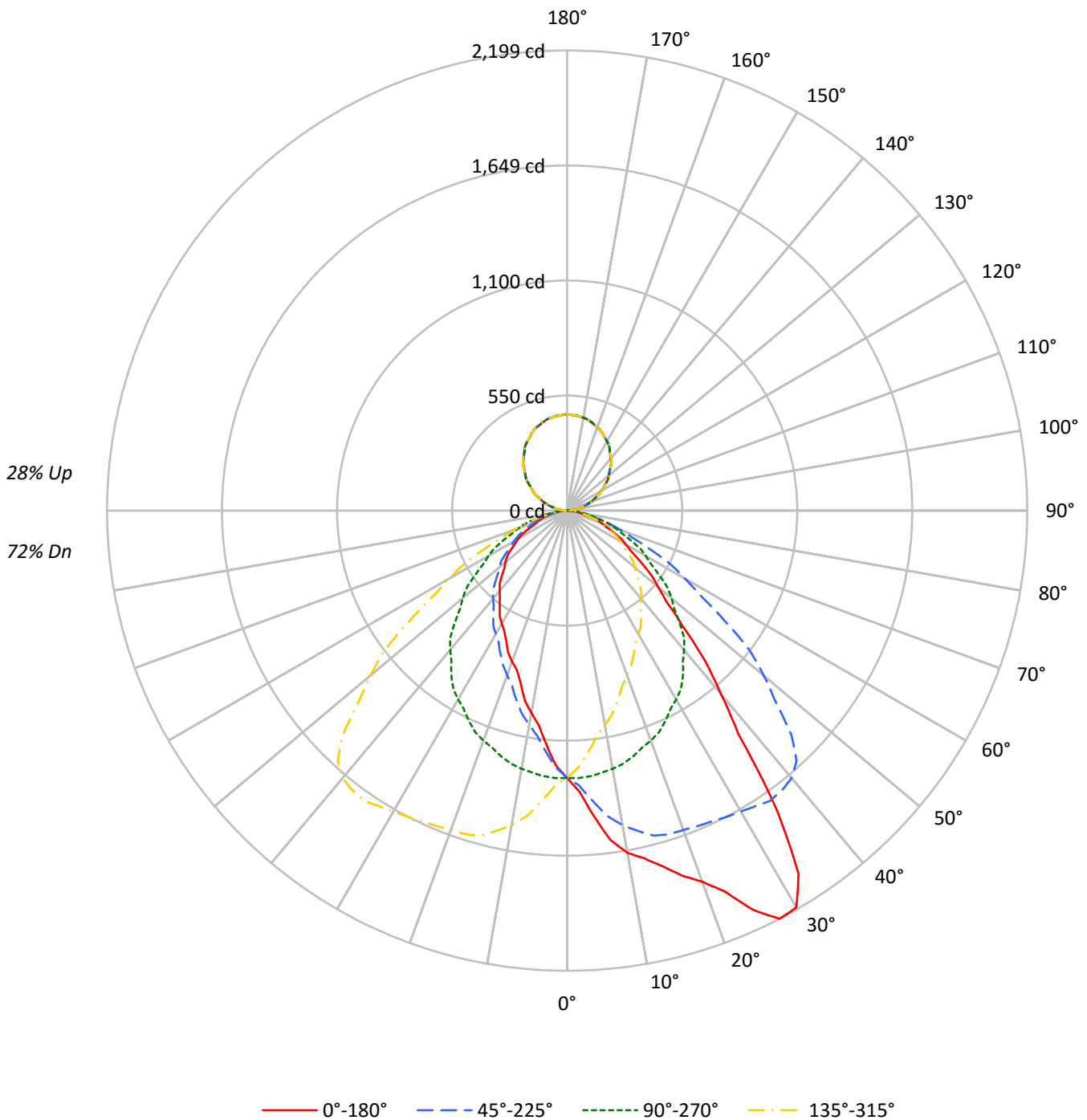
Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	107	107	107	107	96	96	96	86	86	86	76	76	76	72
1	103	99	95	92	98	94	91	88	85	82	80	76	75	73	69	67	66	62
2	95	87	81	76	90	83	78	73	75	71	67	68	65	62	61	59	56	53
3	87	77	70	64	82	74	67	62	67	62	57	60	56	53	55	51	49	45
4	80	69	61	55	75	66	58	53	60	54	49	54	49	46	49	45	42	39
5	73	62	53	47	69	59	51	46	54	48	43	49	44	40	44	40	37	34
6	68	56	47	41	64	53	46	40	49	42	38	44	39	35	40	36	33	30
7	63	50	42	37	59	48	41	36	44	38	33	40	35	31	37	33	29	27
8	58	46	38	33	55	44	37	32	40	34	30	37	32	28	34	30	26	24
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	31	27	24	22
10	51	39	31	26	48	37	30	26	34	28	24	32	27	23	29	25	22	20

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	2.7
10°-20°	359.0	7.8
20°-30°	569.2	12.4
30°-40°	686.4	15.0
40°-50°	613.0	13.4
50°-60°	470.0	10.2
60°-70°	305.5	6.7
70°-80°	148.5	3.2
80°-90°	36.5	0.8
90°-100°	30.7	0.7
100°-110°	90.7	2.0
110°-120°	153.6	3.3
120°-130°	202.2	4.4
130°-140°	226.6	4.9
140°-150°	222.1	4.8
150°-160°	186.5	4.1
160°-170°	124.0	2.7
170°-180°	43.4	0.9
0°-30°	1050.6	22.9
0°-40°	1737.0	37.8
0°-60°	2820.0	61.4
0°-90°	3310.5	72.1
90°-120°	275.1	6.0
90°-150°	925.9	20.2
90°-180°	1280.0	27.9
0°-180°	4590.3	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°	9	0	9	0	9	6
95°	31	23	31	23	31	31
105°	89	81	89	81	89	94
115°	155	154	155	154	155	154
125°	226	224	226	224	226	202
135°	293	292	293	292	293	226
145°	355	354	355	354	355	222
155°	405	405	405	405	405	186
165°	439	440	439	440	439	124
175°	456	458	456	458	456	43
180°	459	459	459	459	459	



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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°	10.9	10.5	10.0	10.0	10.3	11.1	10.6	10.1	10.0	10.0	10.3
90°	8.6	8.3	8.1	7.9	7.6	7.3	6.9	6.5	6.1	5.8	5.2
92.5°	16.9	16.7	16.5	16.4	16.2	15.8	15.2	14.7	14.2	13.7	13.0
95°	30.7	30.5	30.4	30.2	30.1	29.7	29.2	28.6	28.1	27.5	26.7
97.5°	46.6	46.5	46.4	46.3	46.2	45.8	45.3	44.8	44.3	43.7	42.6
100°	58.6	58.4	58.3	58.1	57.9	57.5	56.8	56.0	55.3	54.6	53.6
102.5°	70.5	70.3	70.1	69.9	69.7	69.2	68.4	67.6	66.9	66.0	65.5
105°	88.6	88.3	88.1	87.8	87.6	87.3	86.7	86.2	85.7	85.3	84.8
107.5°	106.9	106.9	106.9	106.9	107.0	106.8	106.6	106.4	106.1	105.9	105.5
110°	120.7	120.7	120.8	120.9	121.0	120.9	120.7	120.4	120.2	120.0	119.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	134.1	134.2	134.3	134.5	134.6	134.6	134.5	134.4	134.3	134.2	133.9
115°	155.2	155.3	155.4	155.5	155.6	155.6	155.7	155.8	155.9	156.0	155.8
117.5°	175.9	176.3	176.6	176.9	177.2	177.3	177.3	177.2	177.1	177.1	176.9
120°	190.3	190.6	190.9	191.2	191.5	191.7	191.7	191.7	191.7	191.7	191.6
122.5°	204.5	204.8	205.0	205.3	205.5	205.7	205.7	205.8	205.9	205.9	205.7
125°	225.9	226.0	226.1	226.2	226.2	226.4	226.5	226.7	226.8	227.0	226.9
127.5°	246.5	246.6	246.8	247.0	247.1	247.2	247.3	247.4	247.5	247.5	247.5
130°	260.2	260.3	260.5	260.6	260.8	260.9	261.1	261.2	261.2	261.3	261.2
132.5°	273.1	273.3	273.5	273.7	274.0	274.1	274.2	274.3	274.3	274.4	274.5
135°	293.1	293.4	293.7	294.0	294.3	294.5	294.5	294.5	294.5	294.5	294.4
137.5°	312.6	313.0	313.4	313.8	314.2	314.4	314.3	314.2	314.1	314.0	313.8
140°	325.2	325.6	326.0	326.4	326.8	326.9	326.7	326.6	326.4	326.2	326.0
142.5°	337.2	337.6	337.9	338.3	338.7	338.9	338.8	338.7	338.6	338.5	338.2
145°	355.2	355.4	355.6	355.9	356.1	356.2	356.2	356.2	356.2	356.2	356.0
147.5°	370.5	371.0	371.5	372.1	372.6	372.8	372.6	372.4	372.2	372.0	371.8
150°	381.9	382.0	382.2	382.4	382.5	382.6	382.6	382.6	382.6	382.6	382.3
152.5°	391.3	391.6	391.9	392.2	392.4	392.5	392.3	392.1	391.9	391.7	391.6
155°	404.8	405.2	405.6	406.0	406.4	406.4	406.1	405.8	405.5	405.2	405.1
157.5°	416.0	416.5	417.0	417.6	418.1	418.2	417.9	417.5	417.2	416.9	416.8
160°	423.6	424.0	424.4	424.9	425.3	425.3	425.0	424.6	424.3	424.0	423.9
162.5°	430.2	430.7	431.1	431.6	432.1	432.1	431.7	431.3	431.0	430.6	430.6
165°	439.0	439.5	440.0	440.4	440.9	441.0	440.7	440.4	440.1	439.7	439.7
167.5°	446.1	446.5	447.0	447.5	448.0	448.0	447.5	447.1	446.6	446.1	446.1
170°	449.7	450.3	450.8	451.4	451.9	452.0	451.5	451.0	450.6	450.1	450.1
172.5°	452.8	453.3	453.8	454.3	454.8	454.8	454.3	453.9	453.4	452.9	452.9
175°	455.8	456.4	456.9	457.5	458.0	458.1	457.6	457.1	456.7	456.2	456.2
177.5°	457.5	458.0	458.4	458.9	459.3	459.3	459.0	458.6	458.2	457.8	457.9
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



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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°	10.6	10.5	10.8	10.6	10.1	12.1	13.2	13.5	12.8	12.1	11.3
90°	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4	1.0	1.6	2.2
92.5°	12.3	11.6	11.0	10.4	10.0	9.5	9.1	8.7	9.1	9.5	10.0
95°	25.9	25.1	24.3	23.8	23.6	23.5	23.3	23.2	23.3	23.5	23.6
97.5°	41.6	40.5	39.4	38.8	38.8	38.7	38.6	38.6	38.6	38.7	38.8
100°	52.5	51.5	50.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
102.5°	64.9	64.4	63.9	63.5	63.2	62.9	62.6	62.2	62.6	62.9	63.2
105°	84.3	83.9	83.4	83.0	82.6	82.2	81.8	81.4	81.8	82.2	82.6
107.5°	105.2	104.8	104.5	104.1	103.7	103.3	102.9	102.5	102.9	103.3	103.7
110°	119.5	119.2	119.0	118.7	118.3	117.9	117.4	117.0	117.4	117.9	118.3



TEST NUMBER: P333551-840

CATALOG NUMBER: S125RDIP-S850D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	133.6	133.3	133.0	132.7	132.5	132.3	132.1	131.9	132.1	132.3	132.5
115°	155.6	155.5	155.3	155.1	154.8	154.5	154.1	153.8	154.1	154.5	154.8
117.5°	176.8	176.7	176.5	176.4	176.2	176.1	175.9	175.8	175.9	176.1	176.2
120°	191.5	191.5	191.4	191.1	190.8	190.4	190.0	189.6	190.0	190.4	190.8
122.5°	205.5	205.3	205.1	204.9	204.8	204.7	204.5	204.4	204.5	204.7	204.8
125°	226.8	226.8	226.7	226.4	225.9	225.5	225.0	224.5	225.0	225.5	225.9
127.5°	247.4	247.3	247.2	247.0	246.7	246.5	246.2	245.9	246.2	246.5	246.7
130°	260.9	260.7	260.6	260.3	259.9	259.5	259.1	258.7	259.1	259.5	259.9
132.5°	274.5	274.5	274.6	274.2	273.6	273.0	272.3	271.7	272.3	273.0	273.6
135°	294.3	294.3	294.2	293.9	293.4	293.0	292.5	292.0	292.5	293.0	293.4
137.5°	313.6	313.5	313.3	313.0	312.5	312.0	311.5	311.1	311.5	312.0	312.5
140°	325.8	325.5	325.3	325.0	324.6	324.2	323.8	323.4	323.8	324.2	324.6
142.5°	337.9	337.6	337.3	337.0	336.7	336.3	336.0	335.7	336.0	336.3	336.7
145°	355.8	355.5	355.3	355.0	354.7	354.4	354.1	353.8	354.1	354.4	354.7
147.5°	371.7	371.5	371.3	371.1	370.9	370.7	370.6	370.4	370.6	370.7	370.9
150°	382.0	381.6	381.3	381.2	381.3	381.4	381.5	381.5	381.5	381.4	381.3
152.5°	391.5	391.4	391.2	391.1	391.0	390.9	390.8	390.7	390.8	390.9	391.0
155°	405.0	404.9	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8	404.8
157.5°	416.8	416.7	416.6	416.7	416.8	417.0	417.2	417.3	417.2	417.0	416.8
160°	423.8	423.8	423.7	423.8	424.0	424.2	424.5	424.7	424.5	424.2	424.0
162.5°	430.6	430.5	430.5	430.6	430.8	431.0	431.1	431.3	431.1	431.0	430.8
165°	439.6	439.5	439.4	439.5	439.6	439.8	439.9	440.1	439.9	439.8	439.6
167.5°	446.1	446.1	446.1	446.3	446.6	446.9	447.2	447.5	447.2	446.9	446.6
170°	450.1	450.1	450.1	450.2	450.6	450.9	451.2	451.5	451.2	450.9	450.6
172.5°	452.9	452.9	452.9	453.1	453.4	453.7	454.0	454.3	454.0	453.7	453.4
175°	456.2	456.2	456.2	456.4	456.7	457.0	457.3	457.6	457.3	457.0	456.7
177.5°	458.0	458.0	458.1	458.2	458.5	458.7	459.0	459.2	459.0	458.7	458.5
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333551-840

CATALOG NUMBER: S125RDIP-S850D365U840-4F0-1E-UDD-A1

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°	11.1	11.2	10.9	11.8	10.7	11.2	11.3	10.9	11.0	11.1	10.7
90°	2.9	3.5	4.0	4.6	5.2	5.8	6.1	6.5	6.9	7.3	7.6
92.5°	10.4	11.0	11.6	12.3	13.0	13.7	14.2	14.7	15.2	15.8	16.2
95°	23.8	24.3	25.1	25.9	26.7	27.5	28.1	28.6	29.2	29.7	30.1
97.5°	38.8	39.4	40.5	41.6	42.6	43.7	44.3	44.8	45.3	45.8	46.2
100°	50.0	50.5	51.5	52.5	53.6	54.6	55.3	56.0	56.8	57.5	57.9
102.5°	63.5	63.9	64.4	64.9	65.5	66.0	66.9	67.6	68.4	69.2	69.7
105°	83.0	83.4	83.9	84.3	84.8	85.3	85.7	86.2	86.7	87.3	87.6
107.5°	104.1	104.5	104.8	105.2	105.5	105.9	106.1	106.4	106.6	106.8	107.0
110°	118.7	119.0	119.2	119.5	119.7	120.0	120.2	120.4	120.7	120.9	121.0



TEST NUMBER: P333551-840

CATALOG NUMBER: S125RDIP-S850D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	132.7	133.0	133.3	133.6	133.9	134.2	134.3	134.4	134.5	134.6	134.6
115°	155.1	155.3	155.5	155.6	155.8	156.0	155.9	155.8	155.7	155.6	155.6
117.5°	176.4	176.5	176.7	176.8	176.9	177.1	177.1	177.2	177.3	177.3	177.2
120°	191.1	191.4	191.5	191.5	191.6	191.7	191.7	191.7	191.7	191.7	191.5
122.5°	204.9	205.1	205.3	205.5	205.7	205.9	205.9	205.8	205.7	205.7	205.5
125°	226.4	226.7	226.8	226.8	226.9	227.0	226.8	226.7	226.5	226.4	226.2
127.5°	247.0	247.2	247.3	247.4	247.5	247.5	247.5	247.4	247.3	247.2	247.1
130°	260.3	260.6	260.7	260.9	261.2	261.3	261.2	261.2	261.1	260.9	260.8
132.5°	274.2	274.6	274.5	274.5	274.5	274.4	274.3	274.3	274.2	274.1	274.0
135°	293.9	294.2	294.3	294.3	294.4	294.5	294.5	294.5	294.5	294.5	294.3
137.5°	313.0	313.3	313.5	313.6	313.8	314.0	314.1	314.2	314.3	314.4	314.2
140°	325.0	325.3	325.5	325.8	326.0	326.2	326.4	326.6	326.7	326.9	326.8
142.5°	337.0	337.3	337.6	337.9	338.2	338.5	338.6	338.7	338.8	338.9	338.7
145°	355.0	355.3	355.5	355.8	356.0	356.2	356.2	356.2	356.2	356.2	356.1
147.5°	371.1	371.3	371.5	371.7	371.8	372.0	372.2	372.4	372.6	372.8	372.6
150°	381.2	381.3	381.6	382.0	382.3	382.6	382.6	382.6	382.6	382.6	382.5
152.5°	391.1	391.2	391.4	391.5	391.6	391.7	391.9	392.1	392.3	392.5	392.4
155°	404.8	404.8	404.9	405.0	405.1	405.2	405.5	405.8	406.1	406.4	406.4
157.5°	416.7	416.6	416.7	416.8	416.8	416.9	417.2	417.5	417.9	418.2	418.1
160°	423.8	423.7	423.8	423.8	423.9	424.0	424.3	424.6	425.0	425.3	425.3
162.5°	430.6	430.5	430.5	430.6	430.6	430.6	431.0	431.3	431.7	432.1	432.1
165°	439.5	439.4	439.5	439.6	439.7	439.7	440.1	440.4	440.7	441.0	440.9
167.5°	446.3	446.1	446.1	446.1	446.1	446.1	446.6	447.1	447.5	448.0	448.0
170°	450.2	450.1	450.1	450.1	450.1	450.1	450.6	451.0	451.5	452.0	451.9
172.5°	453.1	452.9	452.9	452.9	452.9	452.9	453.4	453.9	454.3	454.8	454.8
175°	456.4	456.2	456.2	456.2	456.2	456.2	456.7	457.1	457.6	458.1	458.0
177.5°	458.2	458.1	458.0	458.0	457.9	457.8	458.2	458.6	459.0	459.3	459.3
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333551-840

CATALOG NUMBER: S125RDIP-S850D365U840-4F0-1E-UDD-A1

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°	11.2	10.8	10.9	10.9	10.9	10.8	11.2	10.7	11.1	11.0	10.9
90°	7.9	8.1	8.3	8.6	8.3	8.1	7.9	7.6	7.3	6.9	6.5
92.5°	16.4	16.5	16.7	16.9	16.7	16.5	16.4	16.2	15.8	15.2	14.7
95°	30.2	30.4	30.5	30.7	30.5	30.4	30.2	30.1	29.7	29.2	28.6
97.5°	46.3	46.4	46.5	46.6	46.5	46.4	46.3	46.2	45.8	45.3	44.8
100°	58.1	58.3	58.4	58.6	58.4	58.3	58.1	57.9	57.5	56.8	56.0
102.5°	69.9	70.1	70.3	70.5	70.3	70.1	69.9	69.7	69.2	68.4	67.6
105°	87.8	88.1	88.3	88.6	88.3	88.1	87.8	87.6	87.3	86.7	86.2
107.5°	106.9	106.9	106.9	106.9	106.9	106.9	106.9	107.0	106.8	106.6	106.4
110°	120.9	120.8	120.7	120.7	120.7	120.8	120.9	121.0	120.9	120.7	120.4



TEST NUMBER: P333551-840

CATALOG NUMBER: S125RDIP-S850D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	134.5	134.3	134.2	134.1	134.2	134.3	134.5	134.6	134.6	134.5	134.4
115°	155.5	155.4	155.3	155.2	155.3	155.4	155.5	155.6	155.6	155.7	155.8
117.5°	176.9	176.6	176.3	175.9	176.3	176.6	176.9	177.2	177.3	177.3	177.2
120°	191.2	190.9	190.6	190.3	190.6	190.9	191.2	191.5	191.7	191.7	191.7
122.5°	205.3	205.0	204.8	204.5	204.8	205.0	205.3	205.5	205.7	205.7	205.8
125°	226.2	226.1	226.0	225.9	226.0	226.1	226.2	226.2	226.4	226.5	226.7
127.5°	247.0	246.8	246.6	246.5	246.6	246.8	247.0	247.1	247.2	247.3	247.4
130°	260.6	260.5	260.3	260.2	260.3	260.5	260.6	260.8	260.9	261.1	261.2
132.5°	273.7	273.5	273.3	273.1	273.3	273.5	273.7	274.0	274.1	274.2	274.3
135°	294.0	293.7	293.4	293.1	293.4	293.7	294.0	294.3	294.5	294.5	294.5
137.5°	313.8	313.4	313.0	312.6	313.0	313.4	313.8	314.2	314.4	314.3	314.2
140°	326.4	326.0	325.6	325.2	325.6	326.0	326.4	326.8	326.9	326.7	326.6
142.5°	338.3	337.9	337.6	337.2	337.6	337.9	338.3	338.7	338.9	338.8	338.7
145°	355.9	355.6	355.4	355.2	355.4	355.6	355.9	356.1	356.2	356.2	356.2
147.5°	372.1	371.5	371.0	370.5	371.0	371.5	372.1	372.6	372.8	372.6	372.4
150°	382.4	382.2	382.0	381.9	382.0	382.2	382.4	382.5	382.6	382.6	382.6
152.5°	392.2	391.9	391.6	391.3	391.6	391.9	392.2	392.4	392.5	392.3	392.1
155°	406.0	405.6	405.2	404.8	405.2	405.6	406.0	406.4	406.4	406.1	405.8
157.5°	417.6	417.0	416.5	416.0	416.5	417.0	417.6	418.1	418.2	417.9	417.5
160°	424.9	424.4	424.0	423.6	424.0	424.4	424.9	425.3	425.3	425.0	424.6
162.5°	431.6	431.1	430.7	430.2	430.7	431.1	431.6	432.1	432.1	431.7	431.3
165°	440.4	440.0	439.5	439.0	439.5	440.0	440.4	440.9	441.0	440.7	440.4
167.5°	447.5	447.0	446.5	446.1	446.5	447.0	447.5	448.0	448.0	447.5	447.1
170°	451.4	450.8	450.3	449.7	450.3	450.8	451.4	451.9	452.0	451.5	451.0
172.5°	454.3	453.8	453.3	452.8	453.3	453.8	454.3	454.8	454.8	454.3	453.9
175°	457.5	456.9	456.4	455.8	456.4	456.9	457.5	458.0	458.1	457.6	457.1
177.5°	458.9	458.4	458.0	457.5	458.0	458.4	458.9	459.3	459.3	459.0	458.6
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333551-840

CATALOG NUMBER: S125RDIP-S850D365U840-4F0-1E-UDD-A1

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°	11.3	11.2	10.7	11.8	10.9	11.2	11.1	11.3	12.1	12.8	13.5
90°	6.1	5.8	5.2	4.6	4.0	3.5	2.9	2.2	1.6	1.0	0.4
92.5°	14.2	13.7	13.0	12.3	11.6	11.0	10.4	10.0	9.5	9.1	8.7
95°	28.1	27.5	26.7	25.9	25.1	24.3	23.8	23.6	23.5	23.3	23.2
97.5°	44.3	43.7	42.6	41.6	40.5	39.4	38.8	38.8	38.7	38.6	38.6
100°	55.3	54.6	53.6	52.5	51.5	50.5	50.0	50.0	50.0	50.0	50.0
102.5°	66.9	66.0	65.5	64.9	64.4	63.9	63.5	63.2	62.9	62.6	62.2
105°	85.7	85.3	84.8	84.3	83.9	83.4	83.0	82.6	82.2	81.8	81.4
107.5°	106.1	105.9	105.5	105.2	104.8	104.5	104.1	103.7	103.3	102.9	102.5
110°	120.2	120.0	119.7	119.5	119.2	119.0	118.7	118.3	117.9	117.4	117.0



TEST NUMBER: P333551-840

CATALOG NUMBER: S125RDIP-S850D365U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	134.3	134.2	133.9	133.6	133.3	133.0	132.7	132.5	132.3	132.1	131.9
115°	155.9	156.0	155.8	155.6	155.5	155.3	155.1	154.8	154.5	154.1	153.8
117.5°	177.1	177.1	176.9	176.8	176.7	176.5	176.4	176.2	176.1	175.9	175.8
120°	191.7	191.7	191.6	191.5	191.5	191.4	191.1	190.8	190.4	190.0	189.6
122.5°	205.9	205.9	205.7	205.5	205.3	205.1	204.9	204.8	204.7	204.5	204.4
125°	226.8	227.0	226.9	226.8	226.8	226.7	226.4	225.9	225.5	225.0	224.5
127.5°	247.5	247.5	247.5	247.4	247.3	247.2	247.0	246.7	246.5	246.2	245.9
130°	261.2	261.3	261.2	260.9	260.7	260.6	260.3	259.9	259.5	259.1	258.7
132.5°	274.3	274.4	274.5	274.5	274.5	274.6	274.2	273.6	273.0	272.3	271.7
135°	294.5	294.5	294.4	294.3	294.3	294.2	293.9	293.4	293.0	292.5	292.0
137.5°	314.1	314.0	313.8	313.6	313.5	313.3	313.0	312.5	312.0	311.5	311.1
140°	326.4	326.2	326.0	325.8	325.5	325.3	325.0	324.6	324.2	323.8	323.4
142.5°	338.6	338.5	338.2	337.9	337.6	337.3	337.0	336.7	336.3	336.0	335.7
145°	356.2	356.2	356.0	355.8	355.5	355.3	355.0	354.7	354.4	354.1	353.8
147.5°	372.2	372.0	371.8	371.7	371.5	371.3	371.1	370.9	370.7	370.6	370.4
150°	382.6	382.6	382.3	382.0	381.6	381.3	381.2	381.3	381.4	381.5	381.5
152.5°	391.9	391.7	391.6	391.5	391.4	391.2	391.1	391.0	390.9	390.8	390.7
155°	405.5	405.2	405.1	405.0	404.9	404.8	404.8	404.8	404.8	404.8	404.8
157.5°	417.2	416.9	416.8	416.8	416.7	416.6	416.7	416.8	417.0	417.2	417.3
160°	424.3	424.0	423.9	423.8	423.8	423.7	423.8	424.0	424.2	424.5	424.7
162.5°	431.0	430.6	430.6	430.6	430.5	430.5	430.6	430.8	431.0	431.1	431.3
165°	440.1	439.7	439.7	439.6	439.5	439.4	439.5	439.6	439.8	439.9	440.1
167.5°	446.6	446.1	446.1	446.1	446.1	446.1	446.3	446.6	446.9	447.2	447.5
170°	450.6	450.1	450.1	450.1	450.1	450.1	450.2	450.6	450.9	451.2	451.5
172.5°	453.4	452.9	452.9	452.9	452.9	452.9	453.1	453.4	453.7	454.0	454.3
175°	456.7	456.2	456.2	456.2	456.2	456.2	456.4	456.7	457.0	457.3	457.6
177.5°	458.2	457.8	457.9	458.0	458.0	458.1	458.2	458.5	458.7	459.0	459.2
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



TEST NUMBER: P333551-840

CATALOG NUMBER: S125RDIP-S850D365U840-4F0-1E-UDD-A1

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	10.1	10.6	10.8	10.5	10.6	10.3	10.0	10.0	10.1
90°	1.0	1.6	2.2	2.9	3.5	4.0	4.6	5.2	5.8	6.1	6.5
92.5°	9.1	9.5	10.0	10.4	11.0	11.6	12.3	13.0	13.7	14.2	14.7
95°	23.3	23.5	23.6	23.8	24.3	25.1	25.9	26.7	27.5	28.1	28.6
97.5°	38.6	38.7	38.8	38.8	39.4	40.5	41.6	42.6	43.7	44.3	44.8
100°	50.0	50.0	50.0	50.0	50.5	51.5	52.5	53.6	54.6	55.3	56.0
102.5°	62.6	62.9	63.2	63.5	63.9	64.4	64.9	65.5	66.0	66.9	67.6
105°	81.8	82.2	82.6	83.0	83.4	83.9	84.3	84.8	85.3	85.7	86.2
107.5°	102.9	103.3	103.7	104.1	104.5	104.8	105.2	105.5	105.9	106.1	106.4
110°	117.4	117.9	118.3	118.7	119.0	119.2	119.5	119.7	120.0	120.2	120.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	132.1	132.3	132.5	132.7	133.0	133.3	133.6	133.9	134.2	134.3	134.4
115°	154.1	154.5	154.8	155.1	155.3	155.5	155.6	155.8	156.0	155.9	155.8
117.5°	175.9	176.1	176.2	176.4	176.5	176.7	176.8	176.9	177.1	177.1	177.2
120°	190.0	190.4	190.8	191.1	191.4	191.5	191.5	191.6	191.7	191.7	191.7
122.5°	204.5	204.7	204.8	204.9	205.1	205.3	205.5	205.7	205.9	205.9	205.8
125°	225.0	225.5	225.9	226.4	226.7	226.8	226.8	226.9	227.0	226.8	226.7
127.5°	246.2	246.5	246.7	247.0	247.2	247.3	247.4	247.5	247.5	247.5	247.4
130°	259.1	259.5	259.9	260.3	260.6	260.7	260.9	261.2	261.3	261.2	261.2
132.5°	272.3	273.0	273.6	274.2	274.6	274.5	274.5	274.5	274.4	274.3	274.3
135°	292.5	293.0	293.4	293.9	294.2	294.3	294.3	294.4	294.5	294.5	294.5
137.5°	311.5	312.0	312.5	313.0	313.3	313.5	313.6	313.8	314.0	314.1	314.2
140°	323.8	324.2	324.6	325.0	325.3	325.5	325.8	326.0	326.2	326.4	326.6
142.5°	336.0	336.3	336.7	337.0	337.3	337.6	337.9	338.2	338.5	338.6	338.7
145°	354.1	354.4	354.7	355.0	355.3	355.5	355.8	356.0	356.2	356.2	356.2
147.5°	370.6	370.7	370.9	371.1	371.3	371.5	371.7	371.8	372.0	372.2	372.4
150°	381.5	381.4	381.3	381.2	381.3	381.6	382.0	382.3	382.6	382.6	382.6
152.5°	390.8	390.9	391.0	391.1	391.2	391.4	391.5	391.6	391.7	391.9	392.1
155°	404.8	404.8	404.8	404.8	404.8	404.9	405.0	405.1	405.2	405.5	405.8
157.5°	417.2	417.0	416.8	416.7	416.6	416.7	416.8	416.8	416.9	417.2	417.5
160°	424.5	424.2	424.0	423.8	423.7	423.8	423.8	423.9	424.0	424.3	424.6
162.5°	431.1	431.0	430.8	430.6	430.5	430.5	430.6	430.6	430.6	431.0	431.3
165°	439.9	439.8	439.6	439.5	439.4	439.5	439.6	439.7	439.7	440.1	440.4
167.5°	447.2	446.9	446.6	446.3	446.1	446.1	446.1	446.1	446.1	446.6	447.1
170°	451.2	450.9	450.6	450.2	450.1	450.1	450.1	450.1	450.1	450.6	451.0
172.5°	454.0	453.7	453.4	453.1	452.9	452.9	452.9	452.9	452.9	453.4	453.9
175°	457.3	457.0	456.7	456.4	456.2	456.2	456.2	456.2	456.2	456.7	457.1
177.5°	459.0	458.7	458.5	458.2	458.1	458.0	458.0	457.9	457.8	458.2	458.6
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7	458.7



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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°	10.6	11.1	10.3	10.0	10.0	10.5	10.9
90°	6.9	7.3	7.6	7.9	8.1	8.3	8.6
92.5°	15.2	15.8	16.2	16.4	16.5	16.7	16.9
95°	29.2	29.7	30.1	30.2	30.4	30.5	30.7
97.5°	45.3	45.8	46.2	46.3	46.4	46.5	46.6
100°	56.8	57.5	57.9	58.1	58.3	58.4	58.6
102.5°	68.4	69.2	69.7	69.9	70.1	70.3	70.5
105°	86.7	87.3	87.6	87.8	88.1	88.3	88.6
107.5°	106.6	106.8	107.0	106.9	106.9	106.9	106.9
110°	120.7	120.9	121.0	120.9	120.8	120.7	120.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	134.5	134.6	134.6	134.5	134.3	134.2	134.1
115°	155.7	155.6	155.6	155.5	155.4	155.3	155.2
117.5°	177.3	177.3	177.2	176.9	176.6	176.3	175.9
120°	191.7	191.7	191.5	191.2	190.9	190.6	190.3
122.5°	205.7	205.7	205.5	205.3	205.0	204.8	204.5
125°	226.5	226.4	226.2	226.2	226.1	226.0	225.9
127.5°	247.3	247.2	247.1	247.0	246.8	246.6	246.5
130°	261.1	260.9	260.8	260.6	260.5	260.3	260.2
132.5°	274.2	274.1	274.0	273.7	273.5	273.3	273.1
135°	294.5	294.5	294.3	294.0	293.7	293.4	293.1
137.5°	314.3	314.4	314.2	313.8	313.4	313.0	312.6
140°	326.7	326.9	326.8	326.4	326.0	325.6	325.2
142.5°	338.8	338.9	338.7	338.3	337.9	337.6	337.2
145°	356.2	356.2	356.1	355.9	355.6	355.4	355.2
147.5°	372.6	372.8	372.6	372.1	371.5	371.0	370.5
150°	382.6	382.6	382.5	382.4	382.2	382.0	381.9
152.5°	392.3	392.5	392.4	392.2	391.9	391.6	391.3
155°	406.1	406.4	406.4	406.0	405.6	405.2	404.8
157.5°	417.9	418.2	418.1	417.6	417.0	416.5	416.0
160°	425.0	425.3	425.3	424.9	424.4	424.0	423.6
162.5°	431.7	432.1	432.1	431.6	431.1	430.7	430.2
165°	440.7	441.0	440.9	440.4	440.0	439.5	439.0
167.5°	447.5	448.0	448.0	447.5	447.0	446.5	446.1
170°	451.5	452.0	451.9	451.4	450.8	450.3	449.7
172.5°	454.3	454.8	454.8	454.3	453.8	453.3	452.8
175°	457.6	458.1	458.0	457.5	456.9	456.4	455.8
177.5°	459.0	459.3	459.3	458.9	458.4	458.0	457.5
180°	458.7	458.7	458.7	458.7	458.7	458.7	458.7

(END OF REPORT)