

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: P333558-830

Luminaire Tested: **S125RDIP-S850D590U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333558-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S850D590U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5090.2 lumens
Efficiency: N/A
Efficacy: 126.3 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

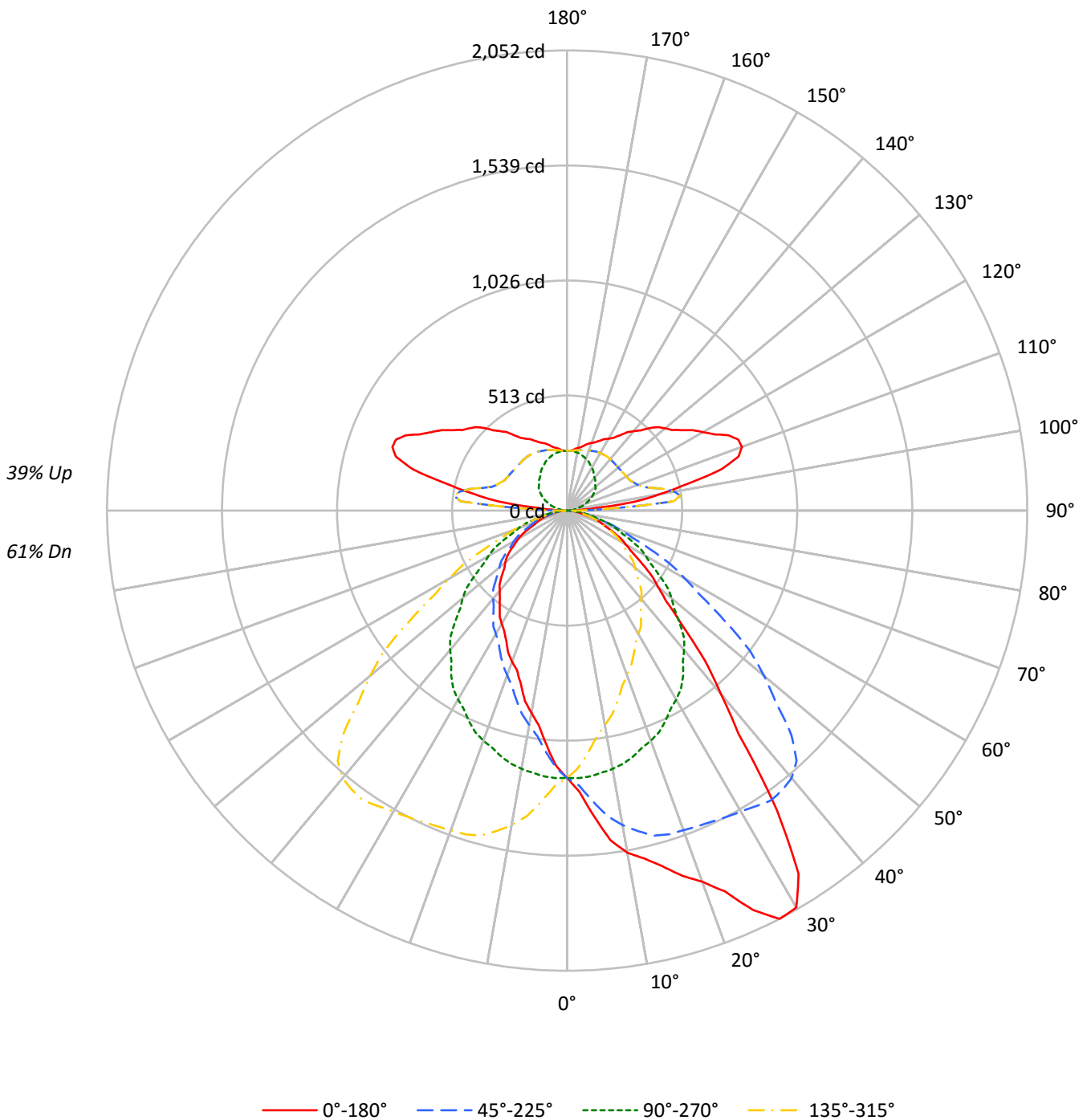
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	101	97	93	89	94	90	87	84	79	77	75	69	67	65	59	58	57	52
2	92	85	79	74	86	80	74	70	70	66	62	61	58	55	53	50	49	45
3	84	75	68	62	79	71	64	59	62	57	53	54	51	47	47	44	42	38
4	77	67	59	53	72	63	56	50	55	50	46	49	44	41	42	39	36	33
5	71	60	52	46	66	56	49	44	50	44	40	44	39	36	38	35	32	29
6	66	54	46	40	61	51	43	38	45	39	35	40	35	31	35	31	28	26
7	61	49	41	35	57	46	39	34	41	35	31	36	31	28	32	28	25	23
8	57	44	36	31	53	42	35	30	37	32	27	33	28	25	29	25	23	20
9	53	40	33	28	49	38	31	27	34	29	25	31	26	23	27	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	19	17

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	2.2
10°-20°	335.0	6.6
20°-30°	531.2	10.4
30°-40°	640.6	12.6
40°-50°	572.1	11.2
50°-60°	438.7	8.6
60°-70°	285.1	5.6
70°-80°	138.6	2.7
80°-90°	34.6	0.7
90°-100°	193.3	3.8
100°-110°	415.5	8.2
110°-120°	390.0	7.7
120°-130°	316.0	6.2
130°-140°	253.6	5.0
140°-150°	191.4	3.8
150°-160°	134.7	2.6
160°-170°	79.4	1.6
170°-180°	25.8	0.5
0°-30°	980.6	19.3
0°-40°	1621.2	31.9
0°-60°	2632.0	51.7
0°-90°	3090.3	60.7
90°-120°	998.8	19.6
90°-150°	1759.9	34.6
90°-180°	2000.0	39.3
0°-180°	5090.2	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°	12	1	12	1	12	10
95°	126	18	126	18	126	179
105°	712	61	712	61	712	708
115°	794	109	794	109	794	775
125°	625	150	625	150	625	566
135°	519	176	519	176	519	402
145°	410	205	410	205	410	260
155°	344	234	344	234	344	160
165°	301	256	301	256	301	86
175°	270	266	270	266	270	26
180°	267	267	267	267	267	



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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°	11.1	10.7	10.2	10.2	10.6	11.1	10.7	10.2	10.1	9.9	10.1
90°	12.3	12.3	11.8	11.8	11.8	10.7	10.2	9.7	9.1	8.6	7.5
92.5°	34.3	35.2	35.9	37.2	44.1	52.0	69.2	95.3	140.3	173.3	176.2
95°	126.4	135.0	139.2	155.4	193.6	238.7	304.8	386.5	466.2	476.4	388.7
97.5°	305.4	312.3	327.8	358.0	391.2	454.0	518.4	575.7	589.8	508.7	347.1
100°	419.3	428.0	447.9	486.5	523.7	579.6	635.0	661.3	619.9	485.5	309.7
102.5°	546.7	553.2	574.8	602.3	642.0	679.8	706.3	690.1	601.8	444.6	281.3
105°	712.4	718.9	729.6	747.3	764.5	770.4	746.8	673.2	544.1	389.8	253.7
107.5°	800.3	804.6	808.2	808.3	799.6	771.6	710.8	612.5	485.2	352.0	242.1
110°	829.6	829.6	825.9	815.6	791.5	745.7	670.0	567.8	451.7	334.4	238.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	826.1	822.3	812.9	795.4	760.1	706.2	629.5	532.5	426.7	324.1	238.7
115°	793.6	786.6	771.6	745.7	703.8	645.2	571.6	488.1	399.4	312.9	240.3
117.5°	736.5	732.2	717.3	690.6	648.7	594.8	531.4	459.6	383.2	307.5	243.8
120°	699.5	695.2	680.7	654.9	615.1	567.8	508.6	444.1	374.2	304.8	247.3
122.5°	666.8	662.9	648.4	624.7	589.3	545.0	492.3	432.5	366.5	302.7	250.3
125°	625.3	619.9	608.1	586.1	555.9	517.3	470.4	415.6	355.9	300.0	255.4
127.5°	589.8	587.4	576.3	556.8	529.5	493.2	449.6	398.4	346.3	298.7	261.1
130°	570.4	567.2	556.5	538.8	511.8	476.9	435.0	387.7	339.8	297.8	264.6
132.5°	551.1	547.4	537.5	519.8	492.9	459.3	421.2	376.9	334.6	297.8	268.4
135°	519.3	516.1	506.4	488.7	465.1	434.4	400.0	362.9	328.5	297.8	273.6
137.5°	485.5	481.9	473.1	456.9	435.7	409.7	381.1	351.1	323.0	298.5	278.5
140°	461.8	459.1	451.1	437.2	417.3	394.6	369.9	344.6	320.5	299.0	280.7
142.5°	439.9	437.6	430.0	418.2	401.3	381.7	360.4	339.0	318.3	299.4	281.9
145°	409.7	407.6	401.6	392.5	379.6	365.0	348.4	331.8	315.1	299.0	283.3
147.5°	384.1	383.1	379.7	372.4	362.1	351.2	338.4	324.9	311.7	297.6	283.9
150°	369.9	369.4	367.2	360.8	352.7	343.0	332.8	320.9	309.2	296.2	283.9
152.5°	358.7	358.2	356.0	350.9	344.1	336.6	327.3	316.7	306.1	294.5	283.4
155°	343.6	343.0	341.4	337.6	332.2	326.3	318.9	310.2	301.0	291.4	282.3
157.5°	330.0	330.1	328.6	325.5	321.3	316.7	310.9	303.8	296.3	288.1	280.9
160°	320.9	321.5	320.5	317.7	314.0	310.2	304.8	299.4	292.5	286.1	279.6
162.5°	312.8	312.9	312.7	310.5	307.6	304.2	299.7	294.7	289.1	283.4	278.3
165°	301.0	301.0	301.0	300.0	297.8	295.2	291.9	288.1	283.9	279.6	276.4
167.5°	290.3	290.4	290.9	289.9	288.8	286.9	284.5	281.9	278.8	275.8	273.3
170°	283.9	284.5	284.5	283.9	282.8	281.7	280.1	278.5	275.8	273.6	272.0
172.5°	277.9	278.4	279.3	278.3	278.1	277.4	276.3	274.7	272.8	271.1	270.3
175°	270.4	271.0	272.0	271.5	271.5	271.5	270.4	270.4	268.8	268.2	268.2
177.5°	266.6	266.6	268.0	267.5	268.0	268.0	268.0	267.5	267.1	266.6	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



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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°	10.4	10.2	10.5	10.3	9.6	11.4	12.3	12.6	12.0	11.4	10.8
90°	7.0	5.9	5.4	4.3	3.2	2.2	1.0	0.6	1.0	2.2	3.2
92.5°	122.7	73.4	44.1	28.4	19.1	12.4	7.9	6.6	7.9	12.4	19.1
95°	240.3	122.1	64.6	40.3	28.5	22.6	18.3	17.7	18.3	22.6	28.5
97.5°	191.8	105.2	67.1	49.7	39.0	33.1	30.1	29.5	30.1	33.1	39.0
100°	174.2	104.3	73.1	57.0	46.8	40.9	38.7	37.6	38.7	40.9	46.8
102.5°	166.9	108.2	80.4	64.8	55.4	49.0	47.3	46.7	47.3	49.0	55.4
105°	164.0	116.1	92.5	77.4	68.8	63.4	60.8	60.8	60.8	63.4	68.8
107.5°	168.9	128.0	105.1	91.5	82.6	78.1	75.6	74.6	75.6	78.1	82.6
110°	173.6	136.6	114.5	100.6	92.5	87.7	85.5	84.5	85.5	87.7	92.5



TEST NUMBER: P333558-830

CATALOG NUMBER: S125RDIP-S850D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	179.6	144.8	123.6	110.0	102.0	97.1	95.4	94.3	95.4	97.1	102.0
115°	188.7	157.5	137.6	124.2	116.1	111.3	109.7	108.6	109.7	111.3	116.1
117.5°	199.1	170.7	151.8	138.8	129.7	124.9	123.1	121.5	123.1	124.9	129.7
120°	205.9	180.1	161.3	147.9	138.7	133.8	131.8	130.1	131.8	133.8	138.7
122.5°	213.7	189.2	170.3	156.9	146.8	142.0	140.3	139.1	140.3	142.0	146.8
125°	224.2	201.0	183.3	169.4	159.1	154.3	151.7	150.5	151.7	154.3	159.1
127.5°	233.8	212.5	195.5	181.5	170.7	164.6	161.1	159.5	161.1	164.6	170.7
130°	240.3	219.9	203.2	189.3	178.0	171.0	166.6	165.0	166.6	171.0	178.0
132.5°	245.9	226.8	210.1	196.1	184.5	176.5	171.4	169.4	171.4	176.5	184.5
135°	253.7	236.0	219.3	204.8	193.6	184.9	178.5	176.3	178.5	184.9	193.6
137.5°	259.6	242.6	227.4	212.4	201.4	192.8	186.8	185.2	186.8	192.8	201.4
140°	263.4	247.3	231.8	217.3	207.0	198.4	191.9	190.3	191.9	198.4	207.0
142.5°	265.6	250.3	235.6	222.0	212.2	203.6	197.6	196.3	197.6	203.6	212.2
145°	268.8	255.4	241.4	229.0	219.3	211.8	206.4	205.4	206.4	211.8	219.3
147.5°	270.8	258.6	246.4	235.4	227.1	220.1	215.5	214.8	215.5	220.1	227.1
150°	272.0	260.8	248.9	239.8	232.2	225.3	221.5	220.5	221.5	225.3	232.2
152.5°	272.9	262.9	251.9	243.6	236.6	230.5	227.1	226.5	227.1	230.5	236.6
155°	273.6	265.0	255.9	248.4	243.0	237.6	234.4	234.4	234.4	237.6	243.0
157.5°	274.2	266.9	259.0	253.4	248.6	244.0	241.4	241.5	241.4	244.0	248.6
160°	274.2	267.8	260.8	255.9	251.7	247.9	245.7	246.3	245.7	247.9	251.7
162.5°	273.8	268.6	262.5	258.5	255.1	251.8	249.6	250.2	249.6	251.8	255.1
165°	273.1	268.8	264.6	261.3	259.1	256.5	254.9	255.9	254.9	256.5	259.1
167.5°	271.8	268.8	265.2	263.3	261.7	260.2	259.3	259.8	259.3	260.2	261.7
170°	271.0	268.8	266.2	264.6	263.4	262.4	261.8	262.4	261.8	262.4	263.4
172.5°	270.1	268.4	266.2	265.4	264.8	263.6	263.2	264.1	263.2	263.6	264.8
175°	268.8	267.8	266.2	266.2	266.2	265.6	265.0	266.2	265.0	265.6	266.2
177.5°	267.5	267.1	266.3	266.3	266.6	266.3	266.3	267.1	266.3	266.3	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333558-830

CATALOG NUMBER: S125RDIP-S850D590U830-4F0-1E-UDD-A4

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°	10.7	10.8	10.6	11.6	10.6	11.1	11.2	10.9	11.0	11.1	10.9
90°	4.3	5.4	5.9	7.0	7.5	8.6	9.1	9.7	10.2	10.7	11.8
92.5°	28.4	44.1	73.4	122.7	176.2	173.3	140.3	95.3	69.2	52.0	44.1
95°	40.3	64.6	122.1	240.3	388.7	476.4	466.2	386.5	304.8	238.7	193.6
97.5°	49.7	67.1	105.2	191.8	347.1	508.7	589.8	575.7	518.4	454.0	391.2
100°	57.0	73.1	104.3	174.2	309.7	485.5	619.9	661.3	635.0	579.6	523.7
102.5°	64.8	80.4	108.2	166.9	281.3	444.6	601.8	690.1	706.3	679.8	642.0
105°	77.4	92.5	116.1	164.0	253.7	389.8	544.1	673.2	746.8	770.4	764.5
107.5°	91.5	105.1	128.0	168.9	242.1	352.0	485.2	612.5	710.8	771.6	799.6
110°	100.6	114.5	136.6	173.6	238.7	334.4	451.7	567.8	670.0	745.7	791.5



TEST NUMBER: P333558-830

CATALOG NUMBER: S125RDIP-S850D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	110.0	123.6	144.8	179.6	238.7	324.1	426.7	532.5	629.5	706.2	760.1
115°	124.2	137.6	157.5	188.7	240.3	312.9	399.4	488.1	571.6	645.2	703.8
117.5°	138.8	151.8	170.7	199.1	243.8	307.5	383.2	459.6	531.4	594.8	648.7
120°	147.9	161.3	180.1	205.9	247.3	304.8	374.2	444.1	508.6	567.8	615.1
122.5°	156.9	170.3	189.2	213.7	250.3	302.7	366.5	432.5	492.3	545.0	589.3
125°	169.4	183.3	201.0	224.2	255.4	300.0	355.9	415.6	470.4	517.3	555.9
127.5°	181.5	195.5	212.5	233.8	261.1	298.7	346.3	398.4	449.6	493.2	529.5
130°	189.3	203.2	219.9	240.3	264.6	297.8	339.8	387.7	435.0	476.9	511.8
132.5°	196.1	210.1	226.8	245.9	268.4	297.8	334.6	376.9	421.2	459.3	492.9
135°	204.8	219.3	236.0	253.7	273.6	297.8	328.5	362.9	400.0	434.4	465.1
137.5°	212.4	227.4	242.6	259.6	278.5	298.5	323.0	351.1	381.1	409.7	435.7
140°	217.3	231.8	247.3	263.4	280.7	299.0	320.5	344.6	369.9	394.6	417.3
142.5°	222.0	235.6	250.3	265.6	281.9	299.4	318.3	339.0	360.4	381.7	401.3
145°	229.0	241.4	255.4	268.8	283.3	299.0	315.1	331.8	348.4	365.0	379.6
147.5°	235.4	246.4	258.6	270.8	283.9	297.6	311.7	324.9	338.4	351.2	362.1
150°	239.8	248.9	260.8	272.0	283.9	296.2	309.2	320.9	332.8	343.0	352.7
152.5°	243.6	251.9	262.9	272.9	283.4	294.5	306.1	316.7	327.3	336.6	344.1
155°	248.4	255.9	265.0	273.6	282.3	291.4	301.0	310.2	318.9	326.3	332.2
157.5°	253.4	259.0	266.9	274.2	280.9	288.1	296.3	303.8	310.9	316.7	321.3
160°	255.9	260.8	267.8	274.2	279.6	286.1	292.5	299.4	304.8	310.2	314.0
162.5°	258.5	262.5	268.6	273.8	278.3	283.4	289.1	294.7	299.7	304.2	307.6
165°	261.3	264.6	268.8	273.1	276.4	279.6	283.9	288.1	291.9	295.2	297.8
167.5°	263.3	265.2	268.8	271.8	273.3	275.8	278.8	281.9	284.5	286.9	288.8
170°	264.6	266.2	268.8	271.0	272.0	273.6	275.8	278.5	280.1	281.7	282.8
172.5°	265.4	266.2	268.4	270.1	270.3	271.1	272.8	274.7	276.3	277.4	278.1
175°	266.2	266.2	267.8	268.8	268.2	268.2	268.8	270.4	270.4	271.5	271.5
177.5°	266.3	266.3	267.1	267.5	266.6	266.6	267.1	267.5	268.0	268.0	268.0
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333558-830

CATALOG NUMBER: S125RDIP-S850D590U830-4F0-1E-UDD-A4

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°	11.4	10.9	11.1	11.1	11.1	10.9	11.4	10.9	11.1	11.0	10.9
90°	11.8	11.8	12.3	12.3	12.3	11.8	11.8	11.8	10.7	10.2	9.7
92.5°	37.2	35.9	35.2	34.3	35.2	35.9	37.2	44.1	52.0	69.2	95.3
95°	155.4	139.2	135.0	126.4	135.0	139.2	155.4	193.6	238.7	304.8	386.5
97.5°	358.0	327.8	312.3	305.4	312.3	327.8	358.0	391.2	454.0	518.4	575.7
100°	486.5	447.9	428.0	419.3	428.0	447.9	486.5	523.7	579.6	635.0	661.3
102.5°	602.3	574.8	553.2	546.7	553.2	574.8	602.3	642.0	679.8	706.3	690.1
105°	747.3	729.6	718.9	712.4	718.9	729.6	747.3	764.5	770.4	746.8	673.2
107.5°	808.3	808.2	804.6	800.3	804.6	808.2	808.3	799.6	771.6	710.8	612.5
110°	815.6	825.9	829.6	829.6	829.6	825.9	815.6	791.5	745.7	670.0	567.8



TEST NUMBER: P333558-830

CATALOG NUMBER: S125RDIP-S850D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	795.4	812.9	822.3	826.1	822.3	812.9	795.4	760.1	706.2	629.5	532.5
115°	745.7	771.6	786.6	793.6	786.6	771.6	745.7	703.8	645.2	571.6	488.1
117.5°	690.6	717.3	732.2	736.5	732.2	717.3	690.6	648.7	594.8	531.4	459.6
120°	654.9	680.7	695.2	699.5	695.2	680.7	654.9	615.1	567.8	508.6	444.1
122.5°	624.7	648.4	662.9	666.8	662.9	648.4	624.7	589.3	545.0	492.3	432.5
125°	586.1	608.1	619.9	625.3	619.9	608.1	586.1	555.9	517.3	470.4	415.6
127.5°	556.8	576.3	587.4	589.8	587.4	576.3	556.8	529.5	493.2	449.6	398.4
130°	538.8	556.5	567.2	570.4	567.2	556.5	538.8	511.8	476.9	435.0	387.7
132.5°	519.8	537.5	547.4	551.1	547.4	537.5	519.8	492.9	459.3	421.2	376.9
135°	488.7	506.4	516.1	519.3	516.1	506.4	488.7	465.1	434.4	400.0	362.9
137.5°	456.9	473.1	481.9	485.5	481.9	473.1	456.9	435.7	409.7	381.1	351.1
140°	437.2	451.1	459.1	461.8	459.1	451.1	437.2	417.3	394.6	369.9	344.6
142.5°	418.2	430.0	437.6	439.9	437.6	430.0	418.2	401.3	381.7	360.4	339.0
145°	392.5	401.6	407.6	409.7	407.6	401.6	392.5	379.6	365.0	348.4	331.8
147.5°	372.4	379.7	383.1	384.1	383.1	379.7	372.4	362.1	351.2	338.4	324.9
150°	360.8	367.2	369.4	369.9	369.4	367.2	360.8	352.7	343.0	332.8	320.9
152.5°	350.9	356.0	358.2	358.7	358.2	356.0	350.9	344.1	336.6	327.3	316.7
155°	337.6	341.4	343.0	343.6	343.0	341.4	337.6	332.2	326.3	318.9	310.2
157.5°	325.5	328.6	330.1	330.0	330.1	328.6	325.5	321.3	316.7	310.9	303.8
160°	317.7	320.5	321.5	320.9	321.5	320.5	317.7	314.0	310.2	304.8	299.4
162.5°	310.5	312.7	312.9	312.8	312.9	312.7	310.5	307.6	304.2	299.7	294.7
165°	300.0	301.0	301.0	301.0	301.0	301.0	300.0	297.8	295.2	291.9	288.1
167.5°	289.9	290.9	290.4	290.3	290.4	290.9	289.9	288.8	286.9	284.5	281.9
170°	283.9	284.5	284.5	283.9	284.5	284.5	283.9	282.8	281.7	280.1	278.5
172.5°	278.3	279.3	278.4	277.9	278.4	279.3	278.3	278.1	277.4	276.3	274.7
175°	271.5	272.0	271.0	270.4	271.0	272.0	271.5	271.5	271.5	270.4	270.4
177.5°	267.5	268.0	266.6	266.6	266.6	268.0	267.5	268.0	268.0	268.0	267.5
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333558-830

CATALOG NUMBER: S125RDIP-S850D590U830-4F0-1E-UDD-A4

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°	11.2	11.1	10.6	11.6	10.6	10.8	10.7	10.8	11.4	12.0	12.6
90°	9.1	8.6	7.5	7.0	5.9	5.4	4.3	3.2	2.2	1.0	0.6
92.5°	140.3	173.3	176.2	122.7	73.4	44.1	28.4	19.1	12.4	7.9	6.6
95°	466.2	476.4	388.7	240.3	122.1	64.6	40.3	28.5	22.6	18.3	17.7
97.5°	589.8	508.7	347.1	191.8	105.2	67.1	49.7	39.0	33.1	30.1	29.5
100°	619.9	485.5	309.7	174.2	104.3	73.1	57.0	46.8	40.9	38.7	37.6
102.5°	601.8	444.6	281.3	166.9	108.2	80.4	64.8	55.4	49.0	47.3	46.7
105°	544.1	389.8	253.7	164.0	116.1	92.5	77.4	68.8	63.4	60.8	60.8
107.5°	485.2	352.0	242.1	168.9	128.0	105.1	91.5	82.6	78.1	75.6	74.6
110°	451.7	334.4	238.7	173.6	136.6	114.5	100.6	92.5	87.7	85.5	84.5



TEST NUMBER: P333558-830

CATALOG NUMBER: S125RDIP-S850D590U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	426.7	324.1	238.7	179.6	144.8	123.6	110.0	102.0	97.1	95.4	94.3
115°	399.4	312.9	240.3	188.7	157.5	137.6	124.2	116.1	111.3	109.7	108.6
117.5°	383.2	307.5	243.8	199.1	170.7	151.8	138.8	129.7	124.9	123.1	121.5
120°	374.2	304.8	247.3	205.9	180.1	161.3	147.9	138.7	133.8	131.8	130.1
122.5°	366.5	302.7	250.3	213.7	189.2	170.3	156.9	146.8	142.0	140.3	139.1
125°	355.9	300.0	255.4	224.2	201.0	183.3	169.4	159.1	154.3	151.7	150.5
127.5°	346.3	298.7	261.1	233.8	212.5	195.5	181.5	170.7	164.6	161.1	159.5
130°	339.8	297.8	264.6	240.3	219.9	203.2	189.3	178.0	171.0	166.6	165.0
132.5°	334.6	297.8	268.4	245.9	226.8	210.1	196.1	184.5	176.5	171.4	169.4
135°	328.5	297.8	273.6	253.7	236.0	219.3	204.8	193.6	184.9	178.5	176.3
137.5°	323.0	298.5	278.5	259.6	242.6	227.4	212.4	201.4	192.8	186.8	185.2
140°	320.5	299.0	280.7	263.4	247.3	231.8	217.3	207.0	198.4	191.9	190.3
142.5°	318.3	299.4	281.9	265.6	250.3	235.6	222.0	212.2	203.6	197.6	196.3
145°	315.1	299.0	283.3	268.8	255.4	241.4	229.0	219.3	211.8	206.4	205.4
147.5°	311.7	297.6	283.9	270.8	258.6	246.4	235.4	227.1	220.1	215.5	214.8
150°	309.2	296.2	283.9	272.0	260.8	248.9	239.8	232.2	225.3	221.5	220.5
152.5°	306.1	294.5	283.4	272.9	262.9	251.9	243.6	236.6	230.5	227.1	226.5
155°	301.0	291.4	282.3	273.6	265.0	255.9	248.4	243.0	237.6	234.4	234.4
157.5°	296.3	288.1	280.9	274.2	266.9	259.0	253.4	248.6	244.0	241.4	241.5
160°	292.5	286.1	279.6	274.2	267.8	260.8	255.9	251.7	247.9	245.7	246.3
162.5°	289.1	283.4	278.3	273.8	268.6	262.5	258.5	255.1	251.8	249.6	250.2
165°	283.9	279.6	276.4	273.1	268.8	264.6	261.3	259.1	256.5	254.9	255.9
167.5°	278.8	275.8	273.3	271.8	268.8	265.2	263.3	261.7	260.2	259.3	259.8
170°	275.8	273.6	272.0	271.0	268.8	266.2	264.6	263.4	262.4	261.8	262.4
172.5°	272.8	271.1	270.3	270.1	268.4	266.2	265.4	264.8	263.6	263.2	264.1
175°	268.8	268.2	268.2	268.8	267.8	266.2	266.2	266.2	265.6	265.0	266.2
177.5°	267.1	266.6	266.6	267.5	267.1	266.3	266.3	266.6	266.3	266.3	267.1
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



TEST NUMBER: P333558-830

CATALOG NUMBER: S125RDIP-S850D590U830-4F0-1E-UDD-A4

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	11.4	9.6	10.3	10.5	10.2	10.4	10.1	9.9	10.1	10.2
90°	1.0	2.2	3.2	4.3	5.4	5.9	7.0	7.5	8.6	9.1	9.7
92.5°	7.9	12.4	19.1	28.4	44.1	73.4	122.7	176.2	173.3	140.3	95.3
95°	18.3	22.6	28.5	40.3	64.6	122.1	240.3	388.7	476.4	466.2	386.5
97.5°	30.1	33.1	39.0	49.7	67.1	105.2	191.8	347.1	508.7	589.8	575.7
100°	38.7	40.9	46.8	57.0	73.1	104.3	174.2	309.7	485.5	619.9	661.3
102.5°	47.3	49.0	55.4	64.8	80.4	108.2	166.9	281.3	444.6	601.8	690.1
105°	60.8	63.4	68.8	77.4	92.5	116.1	164.0	253.7	389.8	544.1	673.2
107.5°	75.6	78.1	82.6	91.5	105.1	128.0	168.9	242.1	352.0	485.2	612.5
110°	85.5	87.7	92.5	100.6	114.5	136.6	173.6	238.7	334.4	451.7	567.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	95.4	97.1	102.0	110.0	123.6	144.8	179.6	238.7	324.1	426.7	532.5
115°	109.7	111.3	116.1	124.2	137.6	157.5	188.7	240.3	312.9	399.4	488.1
117.5°	123.1	124.9	129.7	138.8	151.8	170.7	199.1	243.8	307.5	383.2	459.6
120°	131.8	133.8	138.7	147.9	161.3	180.1	205.9	247.3	304.8	374.2	444.1
122.5°	140.3	142.0	146.8	156.9	170.3	189.2	213.7	250.3	302.7	366.5	432.5
125°	151.7	154.3	159.1	169.4	183.3	201.0	224.2	255.4	300.0	355.9	415.6
127.5°	161.1	164.6	170.7	181.5	195.5	212.5	233.8	261.1	298.7	346.3	398.4
130°	166.6	171.0	178.0	189.3	203.2	219.9	240.3	264.6	297.8	339.8	387.7
132.5°	171.4	176.5	184.5	196.1	210.1	226.8	245.9	268.4	297.8	334.6	376.9
135°	178.5	184.9	193.6	204.8	219.3	236.0	253.7	273.6	297.8	328.5	362.9
137.5°	186.8	192.8	201.4	212.4	227.4	242.6	259.6	278.5	298.5	323.0	351.1
140°	191.9	198.4	207.0	217.3	231.8	247.3	263.4	280.7	299.0	320.5	344.6
142.5°	197.6	203.6	212.2	222.0	235.6	250.3	265.6	281.9	299.4	318.3	339.0
145°	206.4	211.8	219.3	229.0	241.4	255.4	268.8	283.3	299.0	315.1	331.8
147.5°	215.5	220.1	227.1	235.4	246.4	258.6	270.8	283.9	297.6	311.7	324.9
150°	221.5	225.3	232.2	239.8	248.9	260.8	272.0	283.9	296.2	309.2	320.9
152.5°	227.1	230.5	236.6	243.6	251.9	262.9	272.9	283.4	294.5	306.1	316.7
155°	234.4	237.6	243.0	248.4	255.9	265.0	273.6	282.3	291.4	301.0	310.2
157.5°	241.4	244.0	248.6	253.4	259.0	266.9	274.2	280.9	288.1	296.3	303.8
160°	245.7	247.9	251.7	255.9	260.8	267.8	274.2	279.6	286.1	292.5	299.4
162.5°	249.6	251.8	255.1	258.5	262.5	268.6	273.8	278.3	283.4	289.1	294.7
165°	254.9	256.5	259.1	261.3	264.6	268.8	273.1	276.4	279.6	283.9	288.1
167.5°	259.3	260.2	261.7	263.3	265.2	268.8	271.8	273.3	275.8	278.8	281.9
170°	261.8	262.4	263.4	264.6	266.2	268.8	271.0	272.0	273.6	275.8	278.5
172.5°	263.2	263.6	264.8	265.4	266.2	268.4	270.1	270.3	271.1	272.8	274.7
175°	265.0	265.6	266.2	266.2	266.2	267.8	268.8	268.2	268.2	268.8	270.4
177.5°	266.3	266.3	266.6	266.3	266.3	267.1	267.5	266.6	266.6	267.1	267.5
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6	266.6



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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°	10.7	11.1	10.6	10.2	10.2	10.7	11.1
90°	10.2	10.7	11.8	11.8	11.8	12.3	12.3
92.5°	69.2	52.0	44.1	37.2	35.9	35.2	34.3
95°	304.8	238.7	193.6	155.4	139.2	135.0	126.4
97.5°	518.4	454.0	391.2	358.0	327.8	312.3	305.4
100°	635.0	579.6	523.7	486.5	447.9	428.0	419.3
102.5°	706.3	679.8	642.0	602.3	574.8	553.2	546.7
105°	746.8	770.4	764.5	747.3	729.6	718.9	712.4
107.5°	710.8	771.6	799.6	808.3	808.2	804.6	800.3
110°	670.0	745.7	791.5	815.6	825.9	829.6	829.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	629.5	706.2	760.1	795.4	812.9	822.3	826.1
115°	571.6	645.2	703.8	745.7	771.6	786.6	793.6
117.5°	531.4	594.8	648.7	690.6	717.3	732.2	736.5
120°	508.6	567.8	615.1	654.9	680.7	695.2	699.5
122.5°	492.3	545.0	589.3	624.7	648.4	662.9	666.8
125°	470.4	517.3	555.9	586.1	608.1	619.9	625.3
127.5°	449.6	493.2	529.5	556.8	576.3	587.4	589.8
130°	435.0	476.9	511.8	538.8	556.5	567.2	570.4
132.5°	421.2	459.3	492.9	519.8	537.5	547.4	551.1
135°	400.0	434.4	465.1	488.7	506.4	516.1	519.3
137.5°	381.1	409.7	435.7	456.9	473.1	481.9	485.5
140°	369.9	394.6	417.3	437.2	451.1	459.1	461.8
142.5°	360.4	381.7	401.3	418.2	430.0	437.6	439.9
145°	348.4	365.0	379.6	392.5	401.6	407.6	409.7
147.5°	338.4	351.2	362.1	372.4	379.7	383.1	384.1
150°	332.8	343.0	352.7	360.8	367.2	369.4	369.9
152.5°	327.3	336.6	344.1	350.9	356.0	358.2	358.7
155°	318.9	326.3	332.2	337.6	341.4	343.0	343.6
157.5°	310.9	316.7	321.3	325.5	328.6	330.1	330.0
160°	304.8	310.2	314.0	317.7	320.5	321.5	320.9
162.5°	299.7	304.2	307.6	310.5	312.7	312.9	312.8
165°	291.9	295.2	297.8	300.0	301.0	301.0	301.0
167.5°	284.5	286.9	288.8	289.9	290.9	290.4	290.3
170°	280.1	281.7	282.8	283.9	284.5	284.5	283.9
172.5°	276.3	277.4	278.1	278.3	279.3	278.4	277.9
175°	270.4	271.5	271.5	271.5	272.0	271.0	270.4
177.5°	268.0	268.0	268.0	267.5	268.0	266.6	266.6
180°	266.6	266.6	266.6	266.6	266.6	266.6	266.6

(END OF REPORT)