

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: P333552-830

Luminaire Tested: **S125RDIP-S850D365U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333552-830
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-S850D365U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4328.8 lumens
Efficiency: N/A
Efficacy: 123.7 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

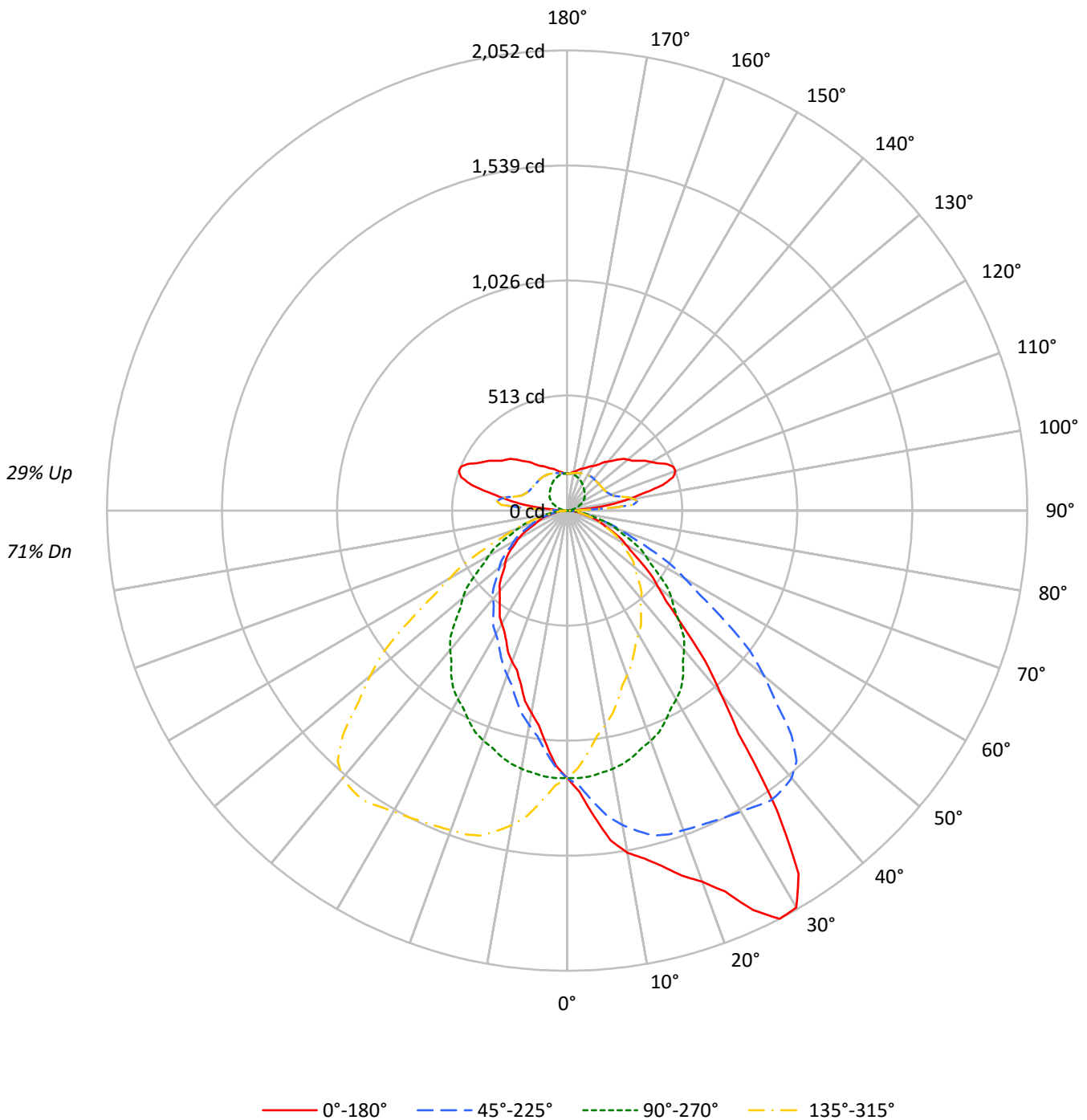
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	99	95	92	98	94	91	88	85	82	80	76	74	72	68	67	65	61
2	94	87	81	76	89	83	77	73	75	71	67	67	64	61	61	58	56	52
3	87	77	70	64	82	73	67	62	66	61	57	60	56	52	54	51	48	45
4	79	69	61	55	75	65	58	53	59	54	49	54	49	45	49	45	42	39
5	73	61	53	47	69	59	51	46	53	47	43	49	44	40	44	40	37	34
6	68	55	47	41	64	53	45	40	48	42	37	44	39	35	40	36	33	30
7	63	50	42	36	59	48	41	35	44	38	33	40	35	31	37	32	29	27
8	58	46	38	32	55	44	37	32	40	34	30	37	32	28	34	29	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	31	26	23	29	25	21	20

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



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	2.6
10°-20°	335.0	7.7
20°-30°	531.2	12.3
30°-40°	640.6	14.8
40°-50°	572.1	13.2
50°-60°	438.7	10.1
60°-70°	285.1	6.6
70°-80°	138.6	3.2
80°-90°	34.0	0.8
90°-100°	119.8	2.8
100°-110°	257.4	5.9
110°-120°	241.6	5.6
120°-130°	195.8	4.5
130°-140°	157.1	3.6
140°-150°	118.6	2.7
150°-160°	83.5	1.9
160°-170°	49.2	1.1
170°-180°	16.0	0.4
0°-30°	980.6	22.7
0°-40°	1621.2	37.5
0°-60°	2632.0	60.8
0°-90°	3089.8	71.4
90°-120°	618.8	14.3
90°-150°	1090.3	25.2
90°-180°	1239.0	28.6
0°-180°	4328.8	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°	8	0	8	0	8	6
95°	78	11	78	11	78	111
105°	441	38	441	38	441	439
115°	492	67	492	67	492	480
125°	387	93	387	93	387	350
135°	322	109	322	109	322	249
145°	254	127	254	127	254	161
155°	213	145	213	145	213	99
165°	186	158	186	158	186	53
175°	168	165	168	165	168	16
180°	165	165	165	165	165	



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1254.1	1253.3	1254.9	1250.6	1250.9	1244.3	1244.3	1239.2	1232.6	1227.5	1225.1
5°	1366.4	1367.4	1365.5	1358.1	1353.2	1345.9	1337.6	1322.9	1310.6	1298.9	1289.6
7.5°	1482.1	1482.8	1476.4	1474.1	1461.8	1452.7	1434.3	1414.3	1396.6	1374.0	1356.9
10°	1549.4	1549.0	1542.2	1536.7	1526.0	1512.3	1494.2	1470.6	1448.7	1424.2	1400.7
12.5°	1588.7	1587.3	1585.2	1578.7	1568.7	1556.5	1541.2	1518.1	1490.9	1464.1	1436.7
15°	1641.5	1638.0	1631.7	1623.3	1609.2	1595.0	1577.9	1557.4	1531.3	1501.0	1475.6
17.5°	1706.9	1706.9	1697.2	1685.6	1666.3	1641.3	1614.9	1581.7	1546.4	1513.1	1485.9
20°	1761.0	1759.4	1749.6	1727.1	1705.2	1673.8	1643.4	1602.8	1559.7	1516.2	1482.4
22.5°	1838.4	1834.7	1824.5	1794.9	1760.8	1720.4	1674.0	1624.4	1572.3	1522.9	1478.6
25°	1965.5	1962.6	1942.5	1908.3	1860.3	1798.1	1737.4	1669.4	1594.5	1529.5	1475.6
27.5°	2052.4	2049.2	2034.3	2005.8	1961.6	1896.2	1814.0	1723.2	1629.7	1540.1	1462.4
30°	2043.8	2051.2	2049.2	2036.0	2002.7	1944.0	1868.1	1765.9	1654.7	1549.4	1457.0
32.5°	1920.8	1927.4	1944.7	1970.6	1972.6	1949.1	1892.3	1797.9	1682.9	1563.2	1452.6
35°	1630.7	1639.6	1672.8	1725.2	1793.7	1851.0	1862.7	1811.8	1708.5	1579.8	1446.2
37.5°	1253.7	1301.8	1329.8	1385.0	1488.5	1593.8	1695.2	1732.4	1688.5	1573.0	1435.8
40°	1065.0	1076.7	1126.6	1188.8	1275.9	1385.5	1529.9	1634.2	1637.6	1557.4	1419.3
42.5°	911.4	926.3	960.6	1010.2	1084.9	1194.5	1343.5	1481.1	1544.8	1514.3	1397.8
45°	729.2	740.5	765.4	803.6	860.9	951.4	1079.7	1238.7	1365.0	1414.4	1340.0
47.5°	599.1	605.1	626.9	655.9	698.3	764.3	863.6	1001.6	1153.1	1259.2	1248.8
50°	528.6	535.5	552.0	574.1	609.8	665.6	744.9	859.9	1016.1	1145.8	1171.7
52.5°	473.7	479.5	489.8	510.7	540.1	583.0	647.0	751.0	891.6	1029.4	1089.4
55°	400.3	404.3	412.6	424.3	447.8	478.6	534.0	605.9	719.4	858.5	946.5
57.5°	339.9	341.8	347.1	358.0	374.2	396.7	436.7	497.7	579.1	704.3	801.4
60°	301.5	303.4	310.3	317.6	330.4	350.9	382.2	424.8	503.1	606.3	704.7
62.5°	271.0	272.1	275.0	282.4	293.5	309.4	334.0	368.8	431.1	521.8	614.7
65°	227.1	227.6	228.6	234.4	241.3	253.1	269.2	293.6	340.6	409.2	491.3
67.5°	185.0	185.7	189.1	191.1	198.3	204.4	214.0	232.7	265.8	312.0	375.9
70°	161.6	161.0	164.5	166.9	169.4	176.6	183.0	198.2	218.8	254.0	307.4
72.5°	139.6	138.3	139.8	140.6	143.9	148.9	155.2	164.6	180.4	204.6	245.5
75°	105.8	106.2	106.2	107.2	109.6	111.6	113.6	118.5	127.2	143.4	165.4
77.5°	74.2	73.4	75.5	75.8	77.2	79.4	81.1	83.0	86.6	93.3	104.6
80°	53.8	53.8	54.3	55.8	55.3	56.3	58.7	60.7	65.1	69.0	73.0
82.5°	41.3	40.9	41.4	41.7	41.6	42.6	43.5	43.8	45.5	47.5	50.2
85°	22.5	22.5	23.0	23.0	23.5	23.5	23.9	23.9	23.9	24.5	25.0
87.5°	10.2	9.7	9.3	9.3	9.7	10.4	9.9	9.4	9.3	9.3	9.5
90°	7.6	7.6	7.4	7.4	7.4	6.7	6.3	6.0	5.7	5.4	4.6
92.5°	21.2	21.8	22.2	23.1	27.3	32.2	42.8	59.0	86.9	107.4	109.1
95°	78.3	83.6	86.2	96.2	119.9	147.9	188.9	239.5	288.8	295.1	240.8
97.5°	189.2	193.5	203.1	221.8	242.3	281.3	321.2	356.7	365.4	315.2	215.1
100°	259.9	265.1	277.5	301.4	324.4	359.1	393.4	409.7	384.1	300.8	191.9
102.5°	338.7	342.7	356.1	373.2	397.8	421.2	437.6	427.5	372.9	275.5	174.3
105°	441.4	445.4	452.0	463.0	473.7	477.3	462.7	417.1	337.1	241.5	157.2
107.5°	495.9	498.5	500.8	500.8	495.4	478.0	440.4	379.5	300.6	218.1	150.1
110°	514.0	514.0	511.6	505.3	490.3	462.0	415.1	351.8	279.8	207.2	147.9



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	511.9	509.4	503.7	492.8	470.9	437.5	390.0	329.9	264.4	200.8	147.9
115°	491.6	487.3	478.0	462.0	436.0	399.7	354.1	302.5	247.5	193.9	148.9
117.5°	456.3	453.6	444.4	427.8	401.9	368.5	329.2	284.7	237.4	190.5	151.1
120°	433.4	430.7	421.7	405.8	381.1	351.8	315.1	275.1	231.9	188.9	153.3
122.5°	413.1	410.8	401.7	387.1	365.0	337.6	305.0	268.0	227.1	187.6	155.0
125°	387.4	384.1	376.7	363.1	344.4	320.5	291.4	257.5	220.6	185.9	158.3
127.5°	365.4	363.9	357.0	345.0	328.0	305.6	278.5	246.9	214.5	185.1	161.7
130°	353.5	351.5	344.8	333.8	317.2	295.5	269.5	240.2	210.6	184.5	163.9
132.5°	341.4	339.1	333.0	322.1	305.4	284.6	261.0	233.5	207.4	184.5	166.3
135°	321.8	319.8	313.8	302.8	288.1	269.2	247.8	224.9	203.5	184.5	169.6
137.5°	300.8	298.6	293.0	283.0	269.9	253.8	236.1	217.5	200.1	184.9	172.6
140°	286.2	284.5	279.5	270.8	258.4	244.5	229.1	213.5	198.5	185.2	173.9
142.5°	272.6	271.2	266.5	259.1	248.6	236.5	223.3	210.1	197.2	185.5	174.7
145°	253.8	252.5	248.8	243.2	235.2	226.2	215.8	205.6	195.2	185.2	175.5
147.5°	238.0	237.3	235.3	230.7	224.4	217.6	209.6	201.2	193.1	184.4	175.9
150°	229.1	228.8	227.5	223.5	218.5	212.5	206.2	198.9	191.5	183.5	175.9
152.5°	222.3	221.9	220.6	217.4	213.2	208.5	202.7	196.2	189.6	182.5	175.6
155°	212.8	212.5	211.5	209.2	205.9	202.2	197.6	192.2	186.5	180.6	174.8
157.5°	204.4	204.5	203.6	201.7	199.1	196.2	192.6	188.2	183.6	178.5	174.0
160°	198.9	199.2	198.5	196.9	194.5	192.2	188.9	185.6	181.3	177.2	173.2
162.5°	193.8	193.9	193.7	192.4	190.6	188.5	185.7	182.6	179.1	175.6	172.4
165°	186.5	186.5	186.5	185.9	184.5	182.9	180.9	178.5	175.9	173.2	171.3
167.5°	179.8	179.9	180.2	179.6	179.0	177.8	176.3	174.7	172.8	170.9	169.4
170°	175.9	176.3	176.3	175.9	175.2	174.6	173.5	172.6	170.9	169.6	168.5
172.5°	172.1	172.5	173.1	172.4	172.3	171.9	171.2	170.1	169.0	168.0	167.5
175°	167.6	167.9	168.5	168.2	168.2	168.2	167.6	167.6	166.5	166.3	166.3
177.5°	165.2	165.2	166.0	165.8	166.0	166.0	166.0	165.8	165.5	165.2	165.2
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

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°	9.9	9.7	10.1	9.9	9.4	11.2	12.3	12.6	11.9	11.2	10.6
90°	4.3	3.7	3.3	2.6	2.0	1.3	0.7	0.4	0.7	1.3	2.0
92.5°	76.0	45.5	27.3	17.6	11.9	7.7	4.9	4.1	4.9	7.7	11.9
95°	148.9	75.6	40.0	25.0	17.6	13.9	11.3	11.0	11.3	13.9	17.6
97.5°	118.9	65.1	41.6	30.8	24.2	20.5	18.7	18.3	18.7	20.5	24.2
100°	107.9	64.7	45.3	35.3	28.9	25.4	23.9	23.3	23.9	25.4	28.9
102.5°	103.4	67.0	49.9	40.2	34.3	30.3	29.3	28.9	29.3	30.3	34.3
105°	101.6	71.9	57.3	48.0	42.6	39.3	37.6	37.6	37.6	39.3	42.6
107.5°	104.6	79.3	65.1	56.7	51.2	48.4	46.8	46.2	46.8	48.4	51.2
110°	107.6	84.6	71.0	62.3	57.3	54.3	53.0	52.3	53.0	54.3	57.3



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	111.3	89.6	76.5	68.1	63.2	60.1	59.1	58.4	59.1	60.1	63.2
115°	116.9	97.6	85.3	76.9	71.9	69.0	68.0	67.3	68.0	69.0	71.9
117.5°	123.3	105.8	94.1	86.1	80.3	77.4	76.3	75.3	76.3	77.4	80.3
120°	127.6	111.6	99.9	91.6	86.0	82.9	81.6	80.6	81.6	82.9	86.0
122.5°	132.3	117.2	105.6	97.2	91.0	88.0	86.9	86.2	86.9	88.0	91.0
125°	138.9	124.6	113.6	104.9	98.6	95.6	94.0	93.3	94.0	95.6	98.6
127.5°	144.9	131.7	121.1	112.4	105.8	101.9	99.8	98.8	99.8	101.9	105.8
130°	148.9	136.2	125.9	117.3	110.3	105.9	103.3	102.3	103.3	105.9	110.3
132.5°	152.4	140.5	130.2	121.5	114.2	109.4	106.2	104.9	106.2	109.4	114.2
135°	157.2	146.2	135.9	127.0	119.9	114.6	110.6	109.2	110.6	114.6	119.9
137.5°	160.8	150.3	140.9	131.7	124.8	119.4	115.7	114.7	115.7	119.4	124.8
140°	163.2	153.3	143.5	134.6	128.3	122.9	118.9	117.9	118.9	122.9	128.3
142.5°	164.6	155.0	146.0	137.5	131.5	126.1	122.3	121.7	122.3	126.1	131.5
145°	166.5	158.3	149.6	141.9	135.9	131.2	127.9	127.2	127.9	131.2	135.9
147.5°	167.8	160.2	152.6	145.9	140.7	136.4	133.5	133.1	133.5	136.4	140.7
150°	168.5	161.6	154.2	148.5	143.9	139.6	137.2	136.6	137.2	139.6	143.9
152.5°	169.1	162.9	156.1	151.0	146.6	142.8	140.7	140.3	140.7	142.8	146.6
155°	169.6	164.2	158.5	153.9	150.5	147.2	145.2	145.2	145.2	147.2	150.5
157.5°	169.8	165.3	160.5	156.9	154.0	151.2	149.6	149.7	149.6	151.2	154.0
160°	169.8	165.9	161.6	158.5	155.9	153.5	152.2	152.6	152.2	153.5	155.9
162.5°	169.7	166.5	162.6	160.1	158.1	156.0	154.7	155.0	154.7	156.0	158.1
165°	169.2	166.5	163.9	161.9	160.5	158.9	157.9	158.5	157.9	158.9	160.5
167.5°	168.4	166.5	164.4	163.1	162.1	161.3	160.6	161.0	160.6	161.3	162.1
170°	167.9	166.5	164.9	163.9	163.2	162.6	162.2	162.6	162.2	162.6	163.2
172.5°	167.4	166.3	164.9	164.4	164.0	163.3	163.1	163.6	163.1	163.3	164.0
175°	166.5	165.9	164.9	164.9	164.9	164.6	164.2	164.9	164.2	164.6	164.9
177.5°	165.8	165.5	164.9	164.9	165.2	164.9	164.9	165.5	164.9	164.9	165.2
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-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°	10.4	10.5	10.1	11.0	9.9	10.5	10.6	10.2	10.3	10.4	10.1
90°	2.6	3.3	3.7	4.3	4.6	5.4	5.7	6.0	6.3	6.7	7.4
92.5°	17.6	27.3	45.5	76.0	109.1	107.4	86.9	59.0	42.8	32.2	27.3
95°	25.0	40.0	75.6	148.9	240.8	295.1	288.8	239.5	188.9	147.9	119.9
97.5°	30.8	41.6	65.1	118.9	215.1	315.2	365.4	356.7	321.2	281.3	242.3
100°	35.3	45.3	64.7	107.9	191.9	300.8	384.1	409.7	393.4	359.1	324.4
102.5°	40.2	49.9	67.0	103.4	174.3	275.5	372.9	427.5	437.6	421.2	397.8
105°	48.0	57.3	71.9	101.6	157.2	241.5	337.1	417.1	462.7	477.3	473.7
107.5°	56.7	65.1	79.3	104.6	150.1	218.1	300.6	379.5	440.4	478.0	495.4
110°	62.3	71.0	84.6	107.6	147.9	207.2	279.8	351.8	415.1	462.0	490.3



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	68.1	76.5	89.6	111.3	147.9	200.8	264.4	329.9	390.0	437.5	470.9
115°	76.9	85.3	97.6	116.9	148.9	193.9	247.5	302.5	354.1	399.7	436.0
117.5°	86.1	94.1	105.8	123.3	151.1	190.5	237.4	284.7	329.2	368.5	401.9
120°	91.6	99.9	111.6	127.6	153.3	188.9	231.9	275.1	315.1	351.8	381.1
122.5°	97.2	105.6	117.2	132.3	155.0	187.6	227.1	268.0	305.0	337.6	365.0
125°	104.9	113.6	124.6	138.9	158.3	185.9	220.6	257.5	291.4	320.5	344.4
127.5°	112.4	121.1	131.7	144.9	161.7	185.1	214.5	246.9	278.5	305.6	328.0
130°	117.3	125.9	136.2	148.9	163.9	184.5	210.6	240.2	269.5	295.5	317.2
132.5°	121.5	130.2	140.5	152.4	166.3	184.5	207.4	233.5	261.0	284.6	305.4
135°	127.0	135.9	146.2	157.2	169.6	184.5	203.5	224.9	247.8	269.2	288.1
137.5°	131.7	140.9	150.3	160.8	172.6	184.9	200.1	217.5	236.1	253.8	269.9
140°	134.6	143.5	153.3	163.2	173.9	185.2	198.5	213.5	229.1	244.5	258.4
142.5°	137.5	146.0	155.0	164.6	174.7	185.5	197.2	210.1	223.3	236.5	248.6
145°	141.9	149.6	158.3	166.5	175.5	185.2	195.2	205.6	215.8	226.2	235.2
147.5°	145.9	152.6	160.2	167.8	175.9	184.4	193.1	201.2	209.6	217.6	224.4
150°	148.5	154.2	161.6	168.5	175.9	183.5	191.5	198.9	206.2	212.5	218.5
152.5°	151.0	156.1	162.9	169.1	175.6	182.5	189.6	196.2	202.7	208.5	213.2
155°	153.9	158.5	164.2	169.6	174.8	180.6	186.5	192.2	197.6	202.2	205.9
157.5°	156.9	160.5	165.3	169.8	174.0	178.5	183.6	188.2	192.6	196.2	199.1
160°	158.5	161.6	165.9	169.8	173.2	177.2	181.3	185.6	188.9	192.2	194.5
162.5°	160.1	162.6	166.5	169.7	172.4	175.6	179.1	182.6	185.7	188.5	190.6
165°	161.9	163.9	166.5	169.2	171.3	173.2	175.9	178.5	180.9	182.9	184.5
167.5°	163.1	164.4	166.5	168.4	169.4	170.9	172.8	174.7	176.3	177.8	179.0
170°	163.9	164.9	166.5	167.9	168.5	169.6	170.9	172.6	173.5	174.6	175.2
172.5°	164.4	164.9	166.3	167.4	167.5	168.0	169.0	170.1	171.2	171.9	172.3
175°	164.9	164.9	165.9	166.5	166.3	166.3	166.5	167.6	167.6	168.2	168.2
177.5°	164.9	164.9	165.5	165.8	165.2	165.2	165.5	165.8	166.0	166.0	166.0
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-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°	10.5	10.1	10.2	10.2	10.2	10.1	10.5	10.1	10.4	10.3	10.2
90°	7.4	7.4	7.6	7.6	7.6	7.4	7.4	7.4	6.7	6.3	6.0
92.5°	23.1	22.2	21.8	21.2	21.8	22.2	23.1	27.3	32.2	42.8	59.0
95°	96.2	86.2	83.6	78.3	83.6	86.2	96.2	119.9	147.9	188.9	239.5
97.5°	221.8	203.1	193.5	189.2	193.5	203.1	221.8	242.3	281.3	321.2	356.7
100°	301.4	277.5	265.1	259.9	265.1	277.5	301.4	324.4	359.1	393.4	409.7
102.5°	373.2	356.1	342.7	338.7	342.7	356.1	373.2	397.8	421.2	437.6	427.5
105°	463.0	452.0	445.4	441.4	445.4	452.0	463.0	473.7	477.3	462.7	417.1
107.5°	500.8	500.8	498.5	495.9	498.5	500.8	500.8	495.4	478.0	440.4	379.5
110°	505.3	511.6	514.0	514.0	514.0	511.6	505.3	490.3	462.0	415.1	351.8



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	492.8	503.7	509.4	511.9	509.4	503.7	492.8	470.9	437.5	390.0	329.9
115°	462.0	478.0	487.3	491.6	487.3	478.0	462.0	436.0	399.7	354.1	302.5
117.5°	427.8	444.4	453.6	456.3	453.6	444.4	427.8	401.9	368.5	329.2	284.7
120°	405.8	421.7	430.7	433.4	430.7	421.7	405.8	381.1	351.8	315.1	275.1
122.5°	387.1	401.7	410.8	413.1	410.8	401.7	387.1	365.0	337.6	305.0	268.0
125°	363.1	376.7	384.1	387.4	384.1	376.7	363.1	344.4	320.5	291.4	257.5
127.5°	345.0	357.0	363.9	365.4	363.9	357.0	345.0	328.0	305.6	278.5	246.9
130°	333.8	344.8	351.5	353.5	351.5	344.8	333.8	317.2	295.5	269.5	240.2
132.5°	322.1	333.0	339.1	341.4	339.1	333.0	322.1	305.4	284.6	261.0	233.5
135°	302.8	313.8	319.8	321.8	319.8	313.8	302.8	288.1	269.2	247.8	224.9
137.5°	283.0	293.0	298.6	300.8	298.6	293.0	283.0	269.9	253.8	236.1	217.5
140°	270.8	279.5	284.5	286.2	284.5	279.5	270.8	258.4	244.5	229.1	213.5
142.5°	259.1	266.5	271.2	272.6	271.2	266.5	259.1	248.6	236.5	223.3	210.1
145°	243.2	248.8	252.5	253.8	252.5	248.8	243.2	235.2	226.2	215.8	205.6
147.5°	230.7	235.3	237.3	238.0	237.3	235.3	230.7	224.4	217.6	209.6	201.2
150°	223.5	227.5	228.8	229.1	228.8	227.5	223.5	218.5	212.5	206.2	198.9
152.5°	217.4	220.6	221.9	222.3	221.9	220.6	217.4	213.2	208.5	202.7	196.2
155°	209.2	211.5	212.5	212.8	212.5	211.5	209.2	205.9	202.2	197.6	192.2
157.5°	201.7	203.6	204.5	204.4	204.5	203.6	201.7	199.1	196.2	192.6	188.2
160°	196.9	198.5	199.2	198.9	199.2	198.5	196.9	194.5	192.2	188.9	185.6
162.5°	192.4	193.7	193.9	193.8	193.9	193.7	192.4	190.6	188.5	185.7	182.6
165°	185.9	186.5	186.5	186.5	186.5	186.5	185.9	184.5	182.9	180.9	178.5
167.5°	179.6	180.2	179.9	179.8	179.9	180.2	179.6	179.0	177.8	176.3	174.7
170°	175.9	176.3	176.3	175.9	176.3	176.3	175.9	175.2	174.6	173.5	172.6
172.5°	172.4	173.1	172.5	172.1	172.5	173.1	172.4	172.3	171.9	171.2	170.1
175°	168.2	168.5	167.9	167.6	167.9	168.5	168.2	168.2	168.2	167.6	167.6
177.5°	165.8	166.0	165.2	165.2	165.2	166.0	165.8	166.0	166.0	166.0	165.8
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-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°	10.6	10.5	9.9	11.0	10.1	10.5	10.4	10.6	11.2	11.9	12.6
90°	5.7	5.4	4.6	4.3	3.7	3.3	2.6	2.0	1.3	0.7	0.4
92.5°	86.9	107.4	109.1	76.0	45.5	27.3	17.6	11.9	7.7	4.9	4.1
95°	288.8	295.1	240.8	148.9	75.6	40.0	25.0	17.6	13.9	11.3	11.0
97.5°	365.4	315.2	215.1	118.9	65.1	41.6	30.8	24.2	20.5	18.7	18.3
100°	384.1	300.8	191.9	107.9	64.7	45.3	35.3	28.9	25.4	23.9	23.3
102.5°	372.9	275.5	174.3	103.4	67.0	49.9	40.2	34.3	30.3	29.3	28.9
105°	337.1	241.5	157.2	101.6	71.9	57.3	48.0	42.6	39.3	37.6	37.6
107.5°	300.6	218.1	150.1	104.6	79.3	65.1	56.7	51.2	48.4	46.8	46.2
110°	279.8	207.2	147.9	107.6	84.6	71.0	62.3	57.3	54.3	53.0	52.3



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	264.4	200.8	147.9	111.3	89.6	76.5	68.1	63.2	60.1	59.1	58.4
115°	247.5	193.9	148.9	116.9	97.6	85.3	76.9	71.9	69.0	68.0	67.3
117.5°	237.4	190.5	151.1	123.3	105.8	94.1	86.1	80.3	77.4	76.3	75.3
120°	231.9	188.9	153.3	127.6	111.6	99.9	91.6	86.0	82.9	81.6	80.6
122.5°	227.1	187.6	155.0	132.3	117.2	105.6	97.2	91.0	88.0	86.9	86.2
125°	220.6	185.9	158.3	138.9	124.6	113.6	104.9	98.6	95.6	94.0	93.3
127.5°	214.5	185.1	161.7	144.9	131.7	121.1	112.4	105.8	101.9	99.8	98.8
130°	210.6	184.5	163.9	148.9	136.2	125.9	117.3	110.3	105.9	103.3	102.3
132.5°	207.4	184.5	166.3	152.4	140.5	130.2	121.5	114.2	109.4	106.2	104.9
135°	203.5	184.5	169.6	157.2	146.2	135.9	127.0	119.9	114.6	110.6	109.2
137.5°	200.1	184.9	172.6	160.8	150.3	140.9	131.7	124.8	119.4	115.7	114.7
140°	198.5	185.2	173.9	163.2	153.3	143.5	134.6	128.3	122.9	118.9	117.9
142.5°	197.2	185.5	174.7	164.6	155.0	146.0	137.5	131.5	126.1	122.3	121.7
145°	195.2	185.2	175.5	166.5	158.3	149.6	141.9	135.9	131.2	127.9	127.2
147.5°	193.1	184.4	175.9	167.8	160.2	152.6	145.9	140.7	136.4	133.5	133.1
150°	191.5	183.5	175.9	168.5	161.6	154.2	148.5	143.9	139.6	137.2	136.6
152.5°	189.6	182.5	175.6	169.1	162.9	156.1	151.0	146.6	142.8	140.7	140.3
155°	186.5	180.6	174.8	169.6	164.2	158.5	153.9	150.5	147.2	145.2	145.2
157.5°	183.6	178.5	174.0	169.8	165.3	160.5	156.9	154.0	151.2	149.6	149.7
160°	181.3	177.2	173.2	169.8	165.9	161.6	158.5	155.9	153.5	152.2	152.6
162.5°	179.1	175.6	172.4	169.7	166.5	162.6	160.1	158.1	156.0	154.7	155.0
165°	175.9	173.2	171.3	169.2	166.5	163.9	161.9	160.5	158.9	157.9	158.5
167.5°	172.8	170.9	169.4	168.4	166.5	164.4	163.1	162.1	161.3	160.6	161.0
170°	170.9	169.6	168.5	167.9	166.5	164.9	163.9	163.2	162.6	162.2	162.6
172.5°	169.0	168.0	167.5	167.4	166.3	164.9	164.4	164.0	163.3	163.1	163.6
175°	166.5	166.3	166.3	166.5	165.9	164.9	164.9	164.9	164.6	164.2	164.9
177.5°	165.5	165.2	165.2	165.8	165.5	164.9	164.9	165.2	164.9	164.9	165.5
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-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	11.2	9.4	9.9	10.1	9.7	9.9	9.5	9.3	9.3	9.4
90°	0.7	1.3	2.0	2.6	3.3	3.7	4.3	4.6	5.4	5.7	6.0
92.5°	4.9	7.7	11.9	17.6	27.3	45.5	76.0	109.1	107.4	86.9	59.0
95°	11.3	13.9	17.6	25.0	40.0	75.6	148.9	240.8	295.1	288.8	239.5
97.5°	18.7	20.5	24.2	30.8	41.6	65.1	118.9	215.1	315.2	365.4	356.7
100°	23.9	25.4	28.9	35.3	45.3	64.7	107.9	191.9	300.8	384.1	409.7
102.5°	29.3	30.3	34.3	40.2	49.9	67.0	103.4	174.3	275.5	372.9	427.5
105°	37.6	39.3	42.6	48.0	57.3	71.9	101.6	157.2	241.5	337.1	417.1
107.5°	46.8	48.4	51.2	56.7	65.1	79.3	104.6	150.1	218.1	300.6	379.5
110°	53.0	54.3	57.3	62.3	71.0	84.6	107.6	147.9	207.2	279.8	351.8



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	59.1	60.1	63.2	68.1	76.5	89.6	111.3	147.9	200.8	264.4	329.9
115°	68.0	69.0	71.9	76.9	85.3	97.6	116.9	148.9	193.9	247.5	302.5
117.5°	76.3	77.4	80.3	86.1	94.1	105.8	123.3	151.1	190.5	237.4	284.7
120°	81.6	82.9	86.0	91.6	99.9	111.6	127.6	153.3	188.9	231.9	275.1
122.5°	86.9	88.0	91.0	97.2	105.6	117.2	132.3	155.0	187.6	227.1	268.0
125°	94.0	95.6	98.6	104.9	113.6	124.6	138.9	158.3	185.9	220.6	257.5
127.5°	99.8	101.9	105.8	112.4	121.1	131.7	144.9	161.7	185.1	214.5	246.9
130°	103.3	105.9	110.3	117.3	125.9	136.2	148.9	163.9	184.5	210.6	240.2
132.5°	106.2	109.4	114.2	121.5	130.2	140.5	152.4	166.3	184.5	207.4	233.5
135°	110.6	114.6	119.9	127.0	135.9	146.2	157.2	169.6	184.5	203.5	224.9
137.5°	115.7	119.4	124.8	131.7	140.9	150.3	160.8	172.6	184.9	200.1	217.5
140°	118.9	122.9	128.3	134.6	143.5	153.3	163.2	173.9	185.2	198.5	213.5
142.5°	122.3	126.1	131.5	137.5	146.0	155.0	164.6	174.7	185.5	197.2	210.1
145°	127.9	131.2	135.9	141.9	149.6	158.3	166.5	175.5	185.2	195.2	205.6
147.5°	133.5	136.4	140.7	145.9	152.6	160.2	167.8	175.9	184.4	193.1	201.2
150°	137.2	139.6	143.9	148.5	154.2	161.6	168.5	175.9	183.5	191.5	198.9
152.5°	140.7	142.8	146.6	151.0	156.1	162.9	169.1	175.6	182.5	189.6	196.2
155°	145.2	147.2	150.5	153.9	158.5	164.2	169.6	174.8	180.6	186.5	192.2
157.5°	149.6	151.2	154.0	156.9	160.5	165.3	169.8	174.0	178.5	183.6	188.2
160°	152.2	153.5	155.9	158.5	161.6	165.9	169.8	173.2	177.2	181.3	185.6
162.5°	154.7	156.0	158.1	160.1	162.6	166.5	169.7	172.4	175.6	179.1	182.6
165°	157.9	158.9	160.5	161.9	163.9	166.5	169.2	171.3	173.2	175.9	178.5
167.5°	160.6	161.3	162.1	163.1	164.4	166.5	168.4	169.4	170.9	172.8	174.7
170°	162.2	162.6	163.2	163.9	164.9	166.5	167.9	168.5	169.6	170.9	172.6
172.5°	163.1	163.3	164.0	164.4	164.9	166.3	167.4	167.5	168.0	169.0	170.1
175°	164.2	164.6	164.9	164.9	164.9	165.9	166.5	166.3	166.3	166.5	167.6
177.5°	164.9	164.9	165.2	164.9	164.9	165.5	165.8	165.2	165.2	165.5	165.8
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

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°	9.9	10.4	9.7	9.3	9.3	9.7	10.2
90°	6.3	6.7	7.4	7.4	7.4	7.6	7.6
92.5°	42.8	32.2	27.3	23.1	22.2	21.8	21.2
95°	188.9	147.9	119.9	96.2	86.2	83.6	78.3
97.5°	321.2	281.3	242.3	221.8	203.1	193.5	189.2
100°	393.4	359.1	324.4	301.4	277.5	265.1	259.9
102.5°	437.6	421.2	397.8	373.2	356.1	342.7	338.7
105°	462.7	477.3	473.7	463.0	452.0	445.4	441.4
107.5°	440.4	478.0	495.4	500.8	500.8	498.5	495.9
110°	415.1	462.0	490.3	505.3	511.6	514.0	514.0



TEST NUMBER: P333552-830

CATALOG NUMBER: S125RDIP-S850D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	390.0	437.5	470.9	492.8	503.7	509.4	511.9
115°	354.1	399.7	436.0	462.0	478.0	487.3	491.6
117.5°	329.2	368.5	401.9	427.8	444.4	453.6	456.3
120°	315.1	351.8	381.1	405.8	421.7	430.7	433.4
122.5°	305.0	337.6	365.0	387.1	401.7	410.8	413.1
125°	291.4	320.5	344.4	363.1	376.7	384.1	387.4
127.5°	278.5	305.6	328.0	345.0	357.0	363.9	365.4
130°	269.5	295.5	317.2	333.8	344.8	351.5	353.5
132.5°	261.0	284.6	305.4	322.1	333.0	339.1	341.4
135°	247.8	269.2	288.1	302.8	313.8	319.8	321.8
137.5°	236.1	253.8	269.9	283.0	293.0	298.6	300.8
140°	229.1	244.5	258.4	270.8	279.5	284.5	286.2
142.5°	223.3	236.5	248.6	259.1	266.5	271.2	272.6
145°	215.8	226.2	235.2	243.2	248.8	252.5	253.8
147.5°	209.6	217.6	224.4	230.7	235.3	237.3	238.0
150°	206.2	212.5	218.5	223.5	227.5	228.8	229.1
152.5°	202.7	208.5	213.2	217.4	220.6	221.9	222.3
155°	197.6	202.2	205.9	209.2	211.5	212.5	212.8
157.5°	192.6	196.2	199.1	201.7	203.6	204.5	204.4
160°	188.9	192.2	194.5	196.9	198.5	199.2	198.9
162.5°	185.7	188.5	190.6	192.4	193.7	193.9	193.8
165°	180.9	182.9	184.5	185.9	186.5	186.5	186.5
167.5°	176.3	177.8	179.0	179.6	180.2	179.9	179.8
170°	173.5	174.6	175.2	175.9	176.3	176.3	175.9
172.5°	171.2	171.9	172.3	172.4	173.1	172.5	172.1
175°	167.6	168.2	168.2	168.2	168.5	167.9	167.6
177.5°	166.0	166.0	166.0	165.8	166.0	165.2	165.2
180°	165.2	165.2	165.2	165.2	165.2	165.2	165.2

(END OF REPORT)