

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: P333207-830

Luminaire Tested: **S125DIP-S850D365U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333207-830  
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: S125DIP-S850D365U830-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4493.7 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct

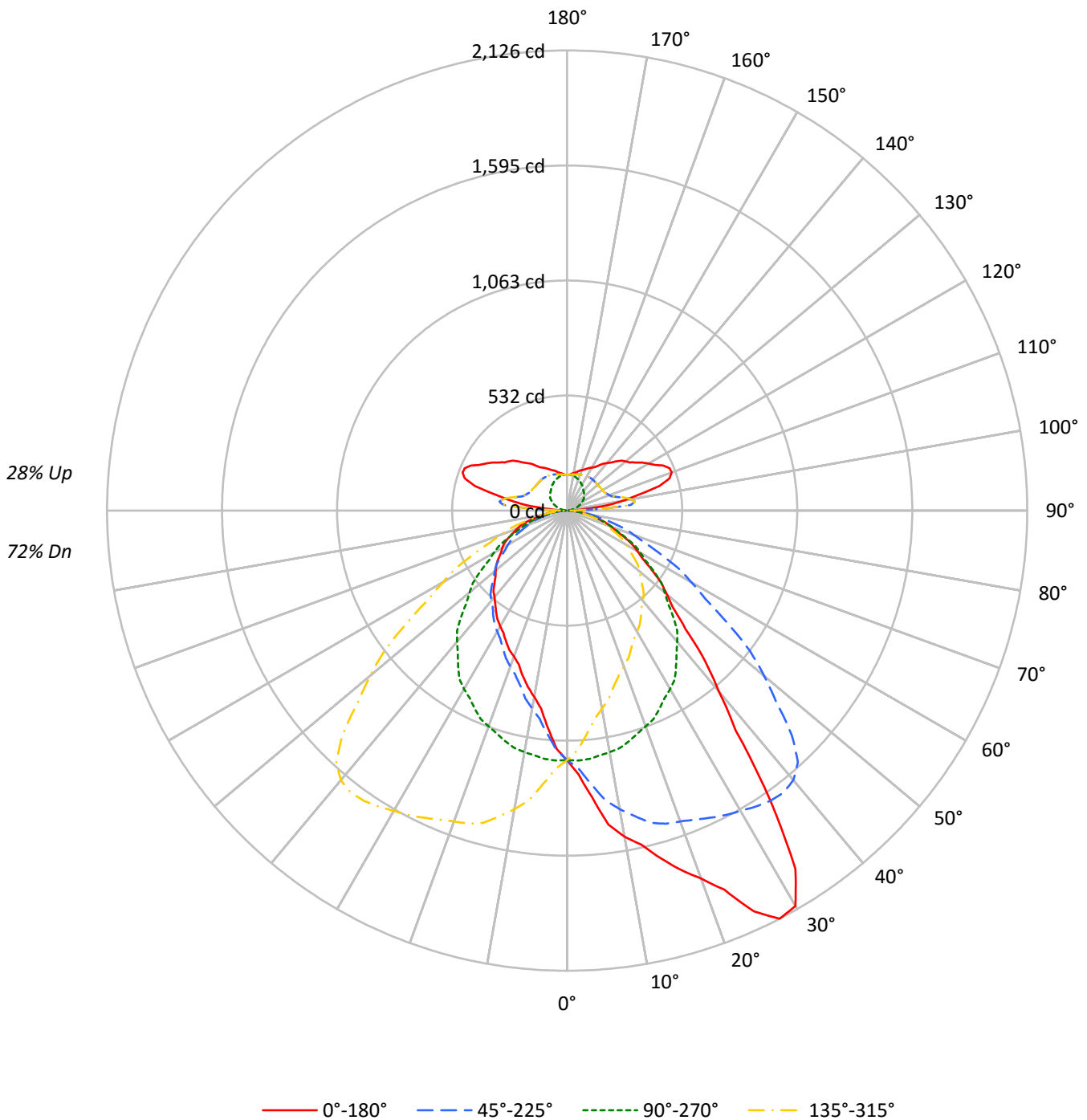
Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	112	112	112	112	107	107	107	107	96	96	96	86	86	86	77	77	77	72				
1	103	99	95	91	98	94	90	87	85	82	80	76	74	72	68	67	66	62				
2	94	87	80	75	89	82	77	72	75	70	66	67	64	61	61	58	56	52				
3	86	76	69	63	81	73	66	61	66	61	56	60	55	52	54	51	48	44				
4	79	68	60	54	75	65	57	52	59	53	48	53	49	45	48	44	41	38				
5	73	61	52	46	69	58	50	45	53	47	42	48	43	39	44	39	36	33				
6	67	55	46	40	63	52	45	39	48	41	37	44	38	34	40	35	32	29				
7	62	50	41	36	59	47	40	35	43	37	32	40	34	30	36	32	28	26				
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	23				
9	54	41	34	28	51	40	32	28	36	30	26	34	28	24	31	26	23	21				
10	50	38	31	26	48	36	30	25	34	28	24	31	26	22	28	24	21	19				

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

	0°	90°	180°	270°
0°	7447	7447	7447	7447
5°	8624	7472	6543	7472
10°	10033	7433	5732	7433
15°	11106	7379	5288	7379
20°	12432	7292	4931	7292
25°	14564	7195	4757	7195
30°	15731	7099	4606	7099
35°	12934	6918	4507	6918
40°	9193	6668	4398	6668
45°	7063	6330	4337	6330
50°	6028	5910	4326	5910
55°	5368	5499	4365	5499
60°	4841	5052	4476	5052
65°	4473	4600	4592	4600
70°	4067	4132	4658	4132
75°	3591	3638	4616	3638
80°	3020	2964	4225	2964
85°	2393	2134	3409	2134



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.0	2.5
10°-20°	330.5	7.4
20°-30°	536.7	11.9
30°-40°	654.6	14.6
40°-50°	595.5	13.3
50°-60°	474.4	10.6
60°-70°	330.4	7.4
70°-80°	176.2	3.9
80°-90°	45.4	1.0
90°-100°	119.8	2.7
100°-110°	257.4	5.7
110°-120°	241.6	5.4
120°-130°	195.8	4.4
130°-140°	157.1	3.5
140°-150°	118.6	2.6
150°-160°	83.5	1.9
160°-170°	49.2	1.1
170°-180°	16.0	0.4
0°-30°	978.2	21.8
0°-40°	1632.8	36.3
0°-60°	2702.7	60.1
0°-90°	3254.7	72.4
90°-120°	618.8	13.8
90°-150°	1090.3	24.3
90°-180°	1239.0	27.6
0°-180°	4493.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1153	1153	1153	1153	1153	
5°	1330	1152	1009	1152	1330	134
15°	1661	1104	791	1104	1661	476
25°	2044	1010	668	1010	2044	934
35°	1640	878	572	878	1640	1004
45°	773	693	475	693	773	619
55°	477	488	388	488	477	429
65°	293	301	300	301	293	290
75°	144	146	185	146	144	155
85°	32	29	46	29	32	37
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1219.7	1218.0	1216.5	1213.3	1215.7	1209.1	1205.9	1200.4	1193.8	1191.5	1188.7
5°	1330.2	1332.7	1335.1	1324.8	1325.9	1319.0	1303.3	1290.6	1280.3	1267.2	1257.8
7.5°	1463.4	1457.5	1457.1	1450.5	1439.0	1429.8	1413.3	1392.4	1372.2	1349.1	1329.9
10°	1529.9	1530.4	1526.0	1518.2	1506.0	1497.1	1475.6	1455.0	1430.1	1400.7	1379.7
12.5°	1580.1	1582.1	1576.5	1565.9	1560.0	1540.2	1523.3	1498.9	1469.2	1445.8	1413.7
15°	1661.1	1655.7	1651.8	1638.6	1628.3	1607.8	1580.8	1555.4	1523.1	1493.2	1463.4
17.5°	1739.2	1743.5	1736.2	1724.1	1692.2	1668.2	1632.1	1597.2	1557.1	1517.0	1481.4
20°	1808.9	1812.8	1801.6	1780.6	1742.4	1718.3	1670.8	1625.9	1579.3	1528.0	1488.8
22.5°	1895.8	1892.7	1877.5	1845.5	1812.4	1768.1	1716.7	1661.9	1603.6	1545.6	1493.6
25°	2043.8	2023.3	2013.9	1974.3	1930.8	1865.7	1795.2	1715.0	1642.5	1565.7	1499.1
27.5°	2125.8	2119.4	2109.0	2081.4	2035.6	1966.0	1882.9	1785.1	1682.9	1585.9	1498.8
30°	2109.4	2110.4	2111.4	2102.5	2073.2	2020.8	1938.2	1832.9	1711.5	1602.3	1501.6
32.5°	1963.8	1981.6	1998.6	2018.7	2026.9	2016.9	1965.1	1870.1	1745.2	1621.2	1500.0
35°	1640.5	1646.0	1701.2	1756.1	1830.4	1888.2	1926.8	1884.8	1779.5	1637.1	1498.1
37.5°	1279.1	1305.6	1343.9	1405.8	1513.2	1609.3	1733.0	1789.8	1755.9	1642.3	1494.7
40°	1090.4	1114.9	1139.8	1203.0	1293.5	1410.0	1550.5	1670.4	1698.3	1625.9	1482.9
42.5°	944.8	964.1	991.8	1039.3	1115.0	1218.1	1352.4	1509.1	1605.5	1578.1	1458.3
45°	773.3	785.5	807.1	844.7	899.6	980.3	1098.7	1270.1	1419.3	1468.8	1399.8
47.5°	661.9	661.8	678.5	704.6	744.1	812.8	900.3	1034.5	1194.0	1311.9	1306.5
50°	600.0	597.6	610.8	633.3	664.6	710.1	793.8	901.0	1054.2	1187.8	1225.0
52.5°	546.8	547.1	555.2	571.8	598.0	637.0	699.5	796.1	927.0	1064.1	1134.2
55°	476.7	474.8	484.0	495.3	514.3	539.8	584.8	658.7	765.0	900.0	991.1
57.5°	412.5	417.8	421.6	429.4	445.3	462.3	500.3	554.5	638.8	754.7	850.9
60°	374.8	380.3	383.2	391.1	403.8	418.5	447.8	491.9	562.8	662.7	758.1
62.5°	341.2	345.4	346.4	353.5	363.8	378.1	401.2	438.2	494.3	581.6	675.1
65°	292.7	292.7	294.6	302.0	306.9	319.6	337.2	364.1	409.2	477.2	556.9
67.5°	245.9	248.3	247.7	251.0	255.5	265.3	278.0	300.2	333.6	383.2	447.0
70°	215.4	217.3	216.8	219.2	224.1	230.5	240.8	261.8	285.8	328.4	383.2
72.5°	187.9	188.7	187.5	190.7	193.6	199.2	210.7	221.9	244.3	280.2	325.3
75°	143.9	144.9	145.8	147.8	150.7	153.6	159.6	170.8	185.5	212.4	241.3
77.5°	107.8	106.0	108.4	108.1	109.7	112.0	117.2	123.1	135.2	152.2	174.6
80°	81.2	81.7	81.7	82.2	84.6	86.1	90.6	94.9	104.2	117.0	132.6
82.5°	59.3	60.6	59.9	60.7	62.8	63.8	66.3	69.8	75.3	85.3	96.6
85°	32.3	29.9	30.8	31.9	31.9	32.3	34.2	35.7	38.6	42.6	46.9
87.5°	10.9	11.7	12.1	12.1	12.4	12.3	13.8	13.8	14.8	15.9	17.3
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



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**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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1186.4	1183.6	1180.4	1175.0	1168.4	1164.8	1159.3	1155.8	1148.8	1142.9	1136.6
5°	1246.5	1233.8	1222.1	1206.9	1190.2	1179.5	1166.8	1152.5	1137.9	1122.8	1106.1
7.5°	1308.9	1286.4	1261.9	1235.6	1209.8	1186.2	1163.6	1141.3	1120.6	1095.5	1074.3
10°	1350.8	1322.4	1292.0	1256.3	1221.6	1191.3	1160.5	1133.5	1106.1	1076.8	1050.7
12.5°	1392.7	1354.9	1312.0	1272.8	1231.0	1194.4	1158.1	1123.7	1089.3	1056.8	1026.5
15°	1422.3	1388.9	1349.3	1293.5	1246.5	1196.2	1148.2	1103.6	1062.1	1025.9	987.7
17.5°	1441.7	1398.8	1356.3	1302.8	1241.1	1184.8	1130.5	1079.5	1032.6	986.7	949.9
20°	1445.3	1401.2	1356.7	1304.3	1241.1	1176.6	1122.3	1061.0	1010.7	963.2	918.1
22.5°	1444.1	1394.2	1345.7	1291.8	1230.2	1170.7	1105.0	1042.6	988.0	941.2	894.3
25°	1433.0	1379.7	1319.0	1264.7	1204.0	1140.9	1074.3	1009.7	953.9	900.5	854.0
27.5°	1423.8	1354.6	1285.9	1222.6	1163.9	1106.1	1042.4	976.2	914.4	860.3	816.4
30°	1412.5	1336.6	1259.2	1193.2	1133.0	1076.8	1016.5	952.0	887.3	834.4	787.5
32.5°	1402.3	1313.9	1232.3	1160.4	1096.6	1041.9	986.4	924.9	861.5	807.9	760.8
35°	1382.6	1280.3	1186.8	1105.6	1037.6	981.3	934.8	877.5	819.3	767.4	722.4
37.5°	1357.6	1236.2	1136.0	1050.7	976.2	916.9	873.6	829.6	773.7	723.8	683.1
40°	1338.0	1204.9	1098.7	1011.6	934.3	872.6	832.5	790.9	744.4	698.0	654.9
42.5°	1313.4	1176.8	1061.2	967.4	890.8	830.8	788.6	753.3	712.3	668.9	629.0
45°	1268.1	1125.7	1000.4	899.6	822.2	763.0	719.4	693.1	662.2	621.0	587.3
47.5°	1201.5	1064.3	934.7	830.7	750.8	696.0	655.2	629.8	608.0	577.5	546.9
50°	1142.3	1018.5	887.3	784.0	704.3	648.9	611.3	588.2	569.7	546.2	520.3
52.5°	1076.1	960.9	840.7	738.7	659.7	605.1	568.3	548.0	532.5	515.7	490.1
55°	971.0	873.2	761.6	664.6	591.7	538.4	506.1	488.4	475.7	463.0	447.3
57.5°	855.2	778.6	679.8	591.3	524.1	475.5	445.4	428.2	418.4	411.8	402.6
60°	773.7	708.2	623.0	542.2	476.7	433.7	404.3	391.1	382.8	377.3	370.5
62.5°	698.2	644.4	565.4	491.7	434.4	393.7	367.5	354.7	346.7	344.0	338.4
65°	586.8	545.3	480.1	419.0	370.0	335.3	313.2	301.0	296.1	293.1	293.7
67.5°	477.1	451.8	399.4	347.3	308.2	279.1	261.5	252.0	249.6	245.7	245.6
70°	410.1	391.1	347.0	301.5	266.7	244.2	228.6	218.8	216.3	214.3	213.9
72.5°	351.0	334.3	296.1	259.6	228.4	208.6	195.7	189.8	185.8	184.6	184.5
75°	263.8	254.5	224.1	195.3	173.7	160.0	151.3	145.8	142.9	142.4	142.9
77.5°	187.6	179.5	160.1	139.7	126.1	115.7	108.3	106.4	103.1	103.2	102.6
80°	140.9	135.5	123.4	107.2	96.0	87.1	83.2	79.7	78.8	77.3	78.8
82.5°	102.2	96.4	88.1	77.9	68.5	63.2	59.3	58.2	57.7	56.9	57.3
85°	50.4	50.9	46.0	38.2	34.2	31.3	28.8	28.8	28.4	27.9	28.4
87.5°	18.1	17.2	15.6	14.2	12.2	10.8	10.3	10.7	9.5	9.2	9.8
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: P333207-830

CATALOG NUMBER: S125DIP-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: P333207-830

CATALOG NUMBER: S125DIP-S850D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1133.1	1128.8	1125.3	1117.5	1113.1	1107.3	1102.6	1107.7	1102.2	1104.6	1101.0
5°	1097.8	1084.1	1074.3	1060.1	1047.8	1036.6	1028.3	1026.8	1022.8	1021.0	1015.0
7.5°	1055.3	1038.1	1021.3	1002.8	987.0	971.1	960.9	952.5	947.0	939.6	934.6
10°	1030.2	1007.2	987.7	965.2	945.6	928.4	914.7	907.9	901.5	892.2	888.8
12.5°	999.3	975.5	951.6	927.6	908.8	889.7	877.9	867.5	863.2	852.6	851.6
15°	962.2	926.5	903.0	878.5	852.5	836.9	827.1	815.9	811.0	803.6	798.2
17.5°	917.9	886.1	856.7	831.3	809.1	795.9	783.7	776.0	767.6	762.8	754.0
20°	885.9	855.5	826.1	799.2	782.1	766.9	757.1	749.8	741.0	738.6	729.7
22.5°	858.8	825.4	797.2	774.6	755.8	738.8	728.1	723.2	717.1	709.5	707.8
25°	814.9	780.1	756.2	733.7	717.0	701.3	694.0	687.7	681.7	676.4	674.4
27.5°	776.9	745.8	717.4	697.0	682.6	668.3	661.8	654.0	649.8	645.5	640.2
30°	750.3	718.5	693.5	673.9	658.3	645.5	638.7	633.3	629.4	625.5	622.5
32.5°	722.8	693.4	669.2	650.1	634.4	624.8	618.7	614.9	610.6	605.9	602.2
35°	686.6	654.3	630.8	614.3	602.0	594.7	587.8	584.4	579.5	579.5	575.5
37.5°	645.8	617.9	597.2	582.0	571.1	564.5	557.0	554.7	551.6	549.5	548.2
40°	621.6	595.6	576.1	560.9	549.1	543.8	537.9	534.0	532.0	529.5	528.6
42.5°	596.5	571.7	553.0	538.9	528.8	524.1	518.7	515.9	512.0	508.8	508.2
45°	558.5	534.4	517.4	506.1	497.3	491.9	488.4	482.6	480.6	476.7	476.2
47.5°	522.3	499.3	482.5	473.3	465.5	461.1	455.7	449.9	447.6	445.6	445.4
50°	495.3	474.3	458.5	449.8	442.4	436.1	430.6	426.8	425.3	425.3	426.3
52.5°	467.9	450.0	436.7	425.9	419.0	412.2	407.2	404.8	402.6	404.9	406.7
55°	427.7	409.6	399.8	389.6	382.8	374.8	372.5	371.5	370.0	373.9	375.9
57.5°	385.3	372.6	361.1	350.9	344.8	340.3	337.0	336.3	339.0	340.9	347.3
60°	358.3	343.6	333.3	325.5	318.1	315.2	314.2	313.2	315.2	320.6	328.9
62.5°	328.5	316.6	305.5	299.6	294.3	289.4	289.2	289.7	293.7	299.8	308.1
65°	284.8	274.6	267.2	260.3	256.0	253.1	254.0	256.0	260.3	268.7	278.0
67.5°	240.5	233.5	226.9	221.3	217.1	217.1	218.1	221.0	226.2	235.8	244.3
70°	211.9	204.1	198.7	196.2	192.8	190.9	193.8	198.7	203.1	211.9	219.2
72.5°	183.3	176.7	172.5	170.8	169.4	167.8	168.7	174.0	180.0	188.8	197.4
75°	140.9	138.5	135.5	133.7	132.1	133.1	134.1	139.0	143.9	153.2	163.0
77.5°	102.8	100.3	98.6	98.1	97.3	97.7	100.6	104.2	109.0	115.7	123.1
80°	77.9	76.8	75.9	75.4	75.4	75.9	79.7	82.2	86.6	93.0	98.9
82.5°	56.6	56.1	55.9	55.8	56.2	56.3	58.6	61.8	65.5	70.3	75.4
85°	29.9	28.8	30.3	30.8	29.9	31.3	32.3	34.2	35.7	38.2	40.6
87.5°	10.4	11.2	10.9	11.4	11.5	12.4	12.1	13.8	14.6	15.5	15.2
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: P333207-830

CATALOG NUMBER: S125DIP-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: P333207-830

CATALOG NUMBER: S125DIP-S850D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1098.6	1101.4	1099.0	1102.2	1099.0	1101.4	1098.6	1101.0	1104.6	1102.2	1107.7
5°	1012.6	1008.2	1011.2	1009.2	1011.2	1008.2	1012.6	1015.0	1021.0	1022.8	1026.8
7.5°	933.1	928.9	924.2	921.9	924.2	928.9	933.1	934.6	939.6	947.0	952.5
10°	883.4	878.0	877.5	874.1	877.5	878.0	883.4	888.8	892.2	901.5	907.9
12.5°	847.0	842.0	836.4	835.0	836.4	842.0	847.0	851.6	852.6	863.2	867.5
15°	795.3	791.4	788.0	790.9	788.0	791.4	795.3	798.2	803.6	811.0	815.9
17.5°	752.3	749.1	748.5	744.9	748.5	749.1	752.3	754.0	762.8	767.6	776.0
20°	725.3	722.8	723.9	717.5	723.9	722.8	725.3	729.7	738.6	741.0	749.8
22.5°	703.8	699.0	698.4	697.1	698.4	699.0	703.8	707.8	709.5	717.1	723.2
25°	670.1	667.6	665.2	667.6	665.2	667.6	670.1	674.4	676.4	681.7	687.7
27.5°	640.6	637.6	637.0	637.3	637.0	637.6	640.6	640.2	645.5	649.8	654.0
30°	622.5	617.6	618.1	617.6	618.1	617.6	622.5	622.5	625.5	629.4	633.3
32.5°	602.9	599.6	599.0	598.0	599.0	599.6	602.9	602.2	605.9	610.6	614.9
35°	574.1	574.1	571.7	571.7	571.7	574.1	574.1	575.5	579.5	579.5	584.4
37.5°	547.0	546.5	545.0	545.3	545.0	546.5	547.0	548.2	549.5	551.6	554.7
40°	526.6	526.1	524.6	521.7	524.6	526.1	526.6	528.6	529.5	532.0	534.0
42.5°	507.0	505.4	504.7	503.7	504.7	505.4	507.0	508.2	508.8	512.0	515.9
45°	476.2	476.2	475.2	474.8	475.2	476.2	476.2	476.2	476.7	480.6	482.6
47.5°	446.3	447.1	449.0	448.7	449.0	447.1	446.3	445.4	445.6	447.6	449.9
50°	428.2	428.8	430.2	430.6	430.2	428.8	428.2	426.3	425.3	425.3	426.8
52.5°	408.3	411.1	412.9	412.6	412.9	411.1	408.3	406.7	404.9	402.6	404.8
55°	380.3	383.7	387.1	387.7	387.1	383.7	380.3	375.9	373.9	370.0	371.5
57.5°	352.6	357.4	361.0	362.1	361.0	357.4	352.6	347.3	340.9	339.0	336.3
60°	333.8	340.2	344.6	346.5	344.6	340.2	333.8	328.9	320.6	315.2	313.2
62.5°	315.8	322.9	327.3	327.7	327.3	322.9	315.8	308.1	299.8	293.7	289.7
65°	286.3	293.7	297.6	300.5	297.6	293.7	286.3	278.0	268.7	260.3	256.0
67.5°	254.6	261.9	266.3	268.6	266.3	261.9	254.6	244.3	235.8	226.2	221.0
70°	231.5	238.8	244.7	246.7	244.7	238.8	231.5	219.2	211.9	203.1	198.7
72.5°	208.8	215.4	220.1	222.3	220.1	215.4	208.8	197.4	188.8	180.0	174.0
75°	169.4	178.1	182.6	185.0	182.6	178.1	169.4	163.0	153.2	143.9	139.0
77.5°	130.5	138.6	141.3	142.5	141.3	138.6	130.5	123.1	115.7	109.0	104.2
80°	104.7	109.6	113.0	113.6	113.0	109.6	104.7	98.9	93.0	86.6	82.2
82.5°	80.5	84.5	85.7	86.9	85.7	84.5	80.5	75.4	70.3	65.5	61.8
85°	44.0	46.0	46.5	46.0	46.5	46.0	44.0	40.6	38.2	35.7	34.2
87.5°	15.9	15.6	15.6	16.4	15.6	15.6	15.9	15.2	15.5	14.6	13.8
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: P333207-830

CATALOG NUMBER: S125DIP-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: P333207-830

CATALOG NUMBER: S125DIP-S850D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1102.6	1107.3	1113.1	1117.5	1125.3	1128.8	1133.1	1136.6	1142.9	1148.8	1155.8
5°	1028.3	1036.6	1047.8	1060.1	1074.3	1084.1	1097.8	1106.1	1122.8	1137.9	1152.5
7.5°	960.9	971.1	987.0	1002.8	1021.3	1038.1	1055.3	1074.3	1095.5	1120.6	1141.3
10°	914.7	928.4	945.6	965.2	987.7	1007.2	1030.2	1050.7	1076.8	1106.1	1133.5
12.5°	877.9	889.7	908.8	927.6	951.6	975.5	999.3	1026.5	1056.8	1089.3	1123.7
15°	827.1	836.9	852.5	878.5	903.0	926.5	962.2	987.7	1025.9	1062.1	1103.6
17.5°	783.7	795.9	809.1	831.3	856.7	886.1	917.9	949.9	986.7	1032.6	1079.5
20°	757.1	766.9	782.1	799.2	826.1	855.5	885.9	918.1	963.2	1010.7	1061.0
22.5°	728.1	738.8	755.8	774.6	797.2	825.4	858.8	894.3	941.2	988.0	1042.6
25°	694.0	701.3	717.0	733.7	756.2	780.1	814.9	854.0	900.5	953.9	1009.7
27.5°	661.8	668.3	682.6	697.0	717.4	745.8	776.9	816.4	860.3	914.4	976.2
30°	638.7	645.5	658.3	673.9	693.5	718.5	750.3	787.5	834.4	887.3	952.0
32.5°	618.7	624.8	634.4	650.1	669.2	693.4	722.8	760.8	807.9	861.5	924.9
35°	587.8	594.7	602.0	614.3	630.8	654.3	686.6	722.4	767.4	819.3	877.5
37.5°	557.0	564.5	571.1	582.0	597.2	617.9	645.8	683.1	723.8	773.7	829.6
40°	537.9	543.8	549.1	560.9	576.1	595.6	621.6	654.9	698.0	744.4	790.9
42.5°	518.7	524.1	528.8	538.9	553.0	571.7	596.5	629.0	668.9	712.3	753.3
45°	488.4	491.9	497.3	506.1	517.4	534.4	558.5	587.3	621.0	662.2	693.1
47.5°	455.7	461.1	465.5	473.3	482.5	499.3	522.3	546.9	577.5	608.0	629.8
50°	430.6	436.1	442.4	449.8	458.5	474.3	495.3	520.3	546.2	569.7	588.2
52.5°	407.2	412.2	419.0	425.9	436.7	450.0	467.9	490.1	515.7	532.5	548.0
55°	372.5	374.8	382.8	389.6	399.8	409.6	427.7	447.3	463.0	475.7	488.4
57.5°	337.0	340.3	344.8	350.9	361.1	372.6	385.3	402.6	411.8	418.4	428.2
60°	314.2	315.2	318.1	325.5	333.3	343.6	358.3	370.5	377.3	382.8	391.1
62.5°	289.2	289.4	294.3	299.6	305.5	316.6	328.5	338.4	344.0	346.7	354.7
65°	254.0	253.1	256.0	260.3	267.2	274.6	284.8	293.7	293.1	296.1	301.0
67.5°	218.1	217.1	217.1	221.3	226.9	233.5	240.5	245.6	245.7	249.6	252.0
70°	193.8	190.9	192.8	196.2	198.7	204.1	211.9	213.9	214.3	216.3	218.8
72.5°	168.7	167.8	169.4	170.8	172.5	176.7	183.3	184.5	184.6	185.8	189.8
75°	134.1	133.1	132.1	133.7	135.5	138.5	140.9	142.9	142.4	142.9	145.8
77.5°	100.6	97.7	97.3	98.1	98.6	100.3	102.8	102.6	103.2	103.1	106.4
80°	79.7	75.9	75.4	75.4	75.9	76.8	77.9	78.8	77.3	78.8	79.7
82.5°	58.6	56.3	56.2	55.8	55.9	56.1	56.6	57.3	56.9	57.7	58.2
85°	32.3	31.3	29.9	30.8	30.3	28.8	29.9	28.4	27.9	28.4	28.8
87.5°	12.1	12.4	11.5	11.4	10.9	11.2	10.4	9.8	9.2	9.5	10.7
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: P333207-830

CATALOG NUMBER: S125DIP-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: P333207-830

CATALOG NUMBER: S125DIP-S850D365U830-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1159.3	1164.8	1168.4	1175.0	1180.4	1183.6	1186.4	1188.7	1191.5	1193.8	1200.4
5°	1166.8	1179.5	1190.2	1206.9	1222.1	1233.8	1246.5	1257.8	1267.2	1280.3	1290.6
7.5°	1163.6	1186.2	1209.8	1235.6	1261.9	1286.4	1308.9	1329.9	1349.1	1372.2	1392.4
10°	1160.5	1191.3	1221.6	1256.3	1292.0	1322.4	1350.8	1379.7	1400.7	1430.1	1455.0
12.5°	1158.1	1194.4	1231.0	1272.8	1312.0	1354.9	1392.7	1413.7	1445.8	1469.2	1498.9
15°	1148.2	1196.2	1246.5	1293.5	1349.3	1388.9	1422.3	1463.4	1493.2	1523.1	1555.4
17.5°	1130.5	1184.8	1241.1	1302.8	1356.3	1398.8	1441.7	1481.4	1517.0	1557.1	1597.2
20°	1122.3	1176.6	1241.1	1304.3	1356.7	1401.2	1445.3	1488.8	1528.0	1579.3	1625.9
22.5°	1105.0	1170.7	1230.2	1291.8	1345.7	1394.2	1444.1	1493.6	1545.6	1603.6	1661.9
25°	1074.3	1140.9	1204.0	1264.7	1319.0	1379.7	1433.0	1499.1	1565.7	1642.5	1715.0
27.5°	1042.4	1106.1	1163.9	1222.6	1285.9	1354.6	1423.8	1498.8	1585.9	1682.9	1785.1
30°	1016.5	1076.8	1133.0	1193.2	1259.2	1336.6	1412.5	1501.6	1602.3	1711.5	1832.9
32.5°	986.4	1041.9	1096.6	1160.4	1232.3	1313.9	1402.3	1500.0	1621.2	1745.2	1870.1
35°	934.8	981.3	1037.6	1105.6	1186.8	1280.3	1382.6	1498.1	1637.1	1779.5	1884.8
37.5°	873.6	916.9	976.2	1050.7	1136.0	1236.2	1357.6	1494.7	1642.3	1755.9	1789.8
40°	832.5	872.6	934.3	1011.6	1098.7	1204.9	1338.0	1482.9	1625.9	1698.3	1670.4
42.5°	788.6	830.8	890.8	967.4	1061.2	1176.8	1313.4	1458.3	1578.1	1605.5	1509.1
45°	719.4	763.0	822.2	899.6	1000.4	1125.7	1268.1	1399.8	1468.8	1419.3	1270.1
47.5°	655.2	696.0	750.8	830.7	934.7	1064.3	1201.5	1306.5	1311.9	1194.0	1034.5
50°	611.3	648.9	704.3	784.0	887.3	1018.5	1142.3	1225.0	1187.8	1054.2	901.0
52.5°	568.3	605.1	659.7	738.7	840.7	960.9	1076.1	1134.2	1064.1	927.0	796.1
55°	506.1	538.4	591.7	664.6	761.6	873.2	971.0	991.1	900.0	765.0	658.7
57.5°	445.4	475.5	524.1	591.3	679.8	778.6	855.2	850.9	754.7	638.8	554.5
60°	404.3	433.7	476.7	542.2	623.0	708.2	773.7	758.1	662.7	562.8	491.9
62.5°	367.5	393.7	434.4	491.7	565.4	644.4	698.2	675.1	581.6	494.3	438.2
65°	313.2	335.3	370.0	419.0	480.1	545.3	586.8	556.9	477.2	409.2	364.1
67.5°	261.5	279.1	308.2	347.3	399.4	451.8	477.1	447.0	383.2	333.6	300.2
70°	228.6	244.2	266.7	301.5	347.0	391.1	410.1	383.2	328.4	285.8	261.8
72.5°	195.7	208.6	228.4	259.6	296.1	334.3	351.0	325.3	280.2	244.3	221.9
75°	151.3	160.0	173.7	195.3	224.1	254.5	263.8	241.3	212.4	185.5	170.8
77.5°	108.3	115.7	126.1	139.7	160.1	179.5	187.6	174.6	152.2	135.2	123.1
80°	83.2	87.1	96.0	107.2	123.4	135.5	140.9	132.6	117.0	104.2	94.9
82.5°	59.3	63.2	68.5	77.9	88.1	96.4	102.2	96.6	85.3	75.3	69.8
85°	28.8	31.3	34.2	38.2	46.0	50.9	50.4	46.9	42.6	38.6	35.7
87.5°	10.3	10.8	12.2	14.2	15.6	17.2	18.1	17.3	15.9	14.8	13.8
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





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**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



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1	1153.1
2.5°	1205.9	1209.1	1215.7	1213.3	1216.5	1218.0	1219.7
5°	1303.3	1319.0	1325.9	1324.8	1335.1	1332.7	1330.2
7.5°	1413.3	1429.8	1439.0	1450.5	1457.1	1457.5	1463.4
10°	1475.6	1497.1	1506.0	1518.2	1526.0	1530.4	1529.9
12.5°	1523.3	1540.2	1560.0	1565.9	1576.5	1582.1	1580.1
15°	1580.8	1607.8	1628.3	1638.6	1651.8	1655.7	1661.1
17.5°	1632.1	1668.2	1692.2	1724.1	1736.2	1743.5	1739.2
20°	1670.8	1718.3	1742.4	1780.6	1801.6	1812.8	1808.9
22.5°	1716.7	1768.1	1812.4	1845.5	1877.5	1892.7	1895.8
25°	1795.2	1865.7	1930.8	1974.3	2013.9	2023.3	2043.8
27.5°	1882.9	1966.0	2035.6	2081.4	2109.0	2119.4	2125.8
30°	1938.2	2020.8	2073.2	2102.5	2111.4	2110.4	2109.4
32.5°	1965.1	2016.9	2026.9	2018.7	1998.6	1981.6	1963.8
35°	1926.8	1888.2	1830.4	1756.1	1701.2	1646.0	1640.5
37.5°	1733.0	1609.3	1513.2	1405.8	1343.9	1305.6	1279.1
40°	1550.5	1410.0	1293.5	1203.0	1139.8	1114.9	1090.4
42.5°	1352.4	1218.1	1115.0	1039.3	991.8	964.1	944.8
45°	1098.7	980.3	899.6	844.7	807.1	785.5	773.3
47.5°	900.3	812.8	744.1	704.6	678.5	661.8	661.9
50°	793.8	710.1	664.6	633.3	610.8	597.6	600.0
52.5°	699.5	637.0	598.0	571.8	555.2	547.1	546.8
55°	584.8	539.8	514.3	495.3	484.0	474.8	476.7
57.5°	500.3	462.3	445.3	429.4	421.6	417.8	412.5
60°	447.8	418.5	403.8	391.1	383.2	380.3	374.8
62.5°	401.2	378.1	363.8	353.5	346.4	345.4	341.2
65°	337.2	319.6	306.9	302.0	294.6	292.7	292.7
67.5°	278.0	265.3	255.5	251.0	247.7	248.3	245.9
70°	240.8	230.5	224.1	219.2	216.8	217.3	215.4
72.5°	210.7	199.2	193.6	190.7	187.5	188.7	187.9
75°	159.6	153.6	150.7	147.8	145.8	144.9	143.9
77.5°	117.2	112.0	109.7	108.1	108.4	106.0	107.8
80°	90.6	86.1	84.6	82.2	81.7	81.7	81.2
82.5°	66.3	63.8	62.8	60.7	59.9	60.6	59.3
85°	34.2	32.3	31.9	31.9	30.8	29.9	32.3
87.5°	13.8	12.3	12.4	12.1	12.1	11.7	10.9
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



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**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)