

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: P333214-830

Luminaire Tested: **S125DIP-S850D590U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333214-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S850D590U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 850 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5483.0 lumens
Efficiency: N/A
Efficacy: 136.1 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: General Diffuse

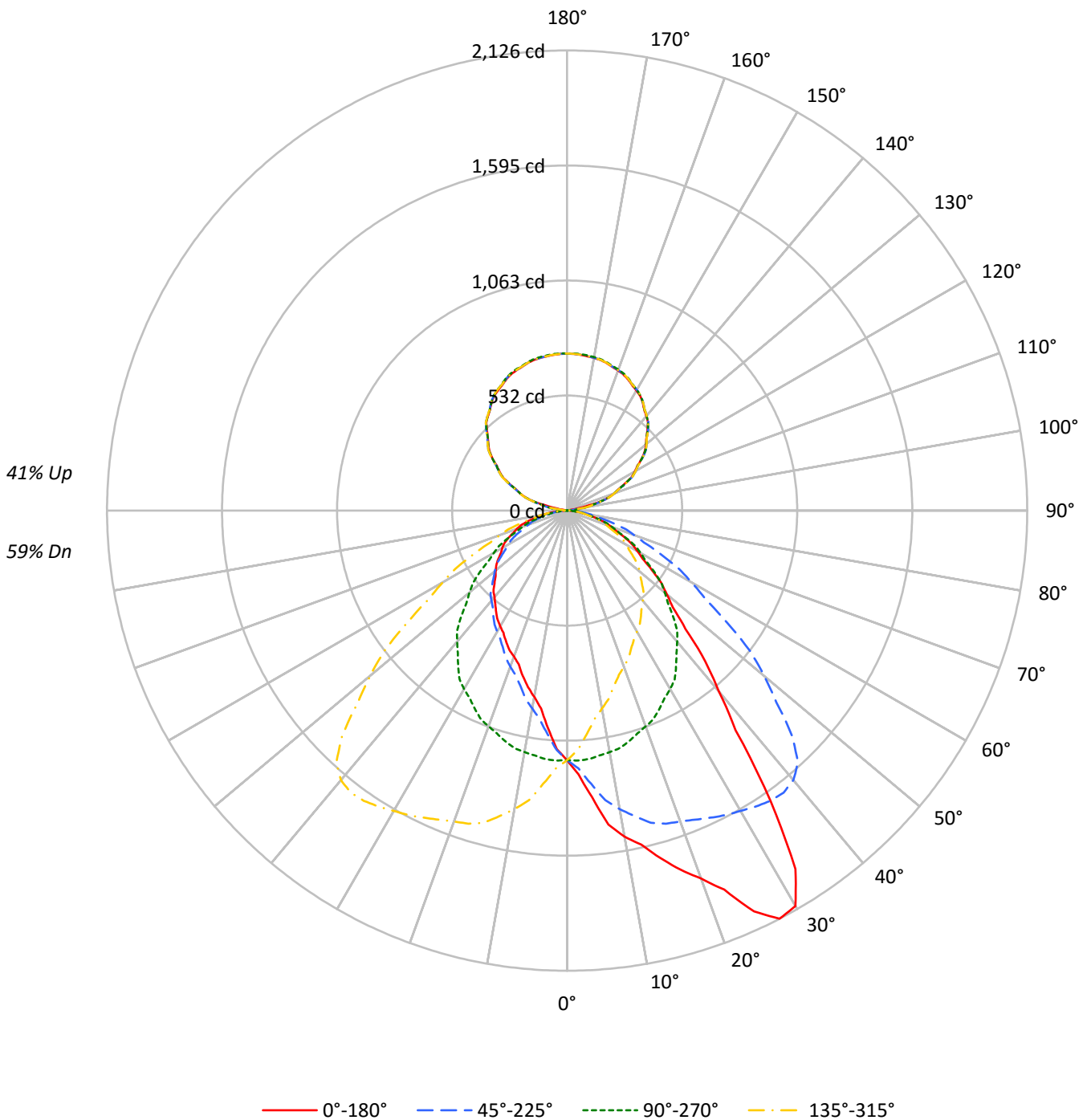
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	59
1	100	96	92	89	93	90	86	83	78	76	73	67	66	64	58	56	55	51
2	91	84	78	73	85	79	73	69	69	65	61	60	57	54	51	49	47	43
3	84	74	67	61	78	69	63	58	61	56	52	53	49	46	45	43	40	36
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	41	37	35	31
5	70	59	50	44	65	55	48	42	49	43	38	42	38	34	37	33	30	27
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	18	16

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	2.0
10°-20°	330.5	6.0
20°-30°	536.7	9.8
30°-40°	654.6	11.9
40°-50°	595.5	10.9
50°-60°	474.4	8.7
60°-70°	330.4	6.0
70°-80°	176.2	3.2
80°-90°	46.0	0.8
90°-100°	26.4	0.5
100°-110°	162.5	3.0
110°-120°	294.7	5.4
120°-130°	378.2	6.9
130°-140°	406.7	7.4
140°-150°	381.8	7.0
150°-160°	308.8	5.6
160°-170°	199.7	3.6
170°-180°	68.9	1.3
0°-30°	978.2	17.8
0°-40°	1632.8	29.8
0°-60°	2702.7	49.3
0°-90°	3255.3	59.4
90°-120°	483.5	8.8
90°-150°	1650.2	30.1
90°-180°	2228.0	40.6
0°-180°	5483.0	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	38
90°	13	1	13	1	13	7
95°	11	31	11	31	11	9
105°	160	158	160	158	160	144
115°	295	297	295	297	295	293
125°	422	422	422	422	422	376
135°	524	526	524	526	524	405
145°	609	610	609	610	609	380
155°	667	672	667	672	667	308
165°	706	709	706	709	706	199
175°	722	726	722	726	722	69
180°	726	726	726	726	726	



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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°	12.0	12.7	13.0	12.9	13.3	13.2	14.6	14.5	15.6	16.6	18.0
90°	12.9	12.5	12.2	11.9	11.5	11.0	10.4	9.8	9.2	8.6	7.7
92.5°	12.1	11.9	11.7	11.5	11.4	11.0	10.4	9.8	9.2	8.6	7.8
95°	11.3	11.3	11.3	11.3	11.3	11.0	10.4	9.8	9.2	8.6	13.1
97.5°	11.3	11.3	11.3	11.3	11.3	13.0	16.3	19.7	23.1	26.5	35.4
100°	11.3	11.8	12.3	12.7	13.2	22.3	40.2	58.0	75.8	93.6	93.1
102.5°	67.7	75.8	83.9	92.0	100.2	105.9	109.2	112.6	116.0	119.4	119.1
105°	159.7	159.9	159.9	160.0	160.2	160.2	160.2	160.2	160.2	160.2	160.2
107.5°	201.3	201.7	202.1	202.5	202.7	202.9	202.9	202.9	202.8	202.8	202.6
110°	230.2	230.1	229.9	229.8	229.7	229.8	230.2	230.5	230.9	231.2	231.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	256.0	256.2	256.3	256.5	256.7	256.9	257.4	257.9	258.4	258.7	258.6
115°	294.7	295.4	296.1	296.8	297.6	298.1	298.6	299.1	299.6	300.1	299.9
117.5°	336.0	336.3	336.6	337.0	337.2	337.7	338.3	338.9	339.6	340.2	339.7
120°	361.4	361.9	362.6	363.2	363.7	364.2	364.4	364.7	364.9	365.1	364.8
122.5°	385.5	386.2	386.8	387.6	388.2	388.7	389.0	389.2	389.5	389.6	389.5
125°	422.2	422.5	422.8	423.2	423.6	424.0	424.4	425.0	425.5	425.9	425.9
127.5°	453.0	453.9	454.8	455.6	456.6	457.1	457.4	457.6	457.9	458.2	458.3
130°	475.4	476.0	476.5	477.2	477.8	478.2	478.6	479.0	479.3	479.7	479.6
132.5°	496.1	496.6	497.2	497.9	498.4	498.8	498.8	498.9	499.0	499.1	499.3
135°	524.3	525.0	525.8	526.5	527.2	527.6	527.9	528.1	528.4	528.6	528.9
137.5°	552.7	553.4	553.9	554.6	555.2	555.4	555.4	555.3	555.3	555.3	555.5
140°	569.5	570.2	570.9	571.7	572.3	572.6	572.3	572.1	571.8	571.7	571.7
142.5°	585.4	586.1	586.8	587.6	588.2	588.6	588.5	588.5	588.4	588.4	588.2
145°	608.7	609.4	610.2	610.9	611.6	611.9	611.8	611.7	611.5	611.4	611.4
147.5°	628.0	628.9	629.7	630.6	631.4	631.8	631.7	631.5	631.4	631.2	631.0
150°	640.5	641.4	642.3	643.4	644.3	644.6	644.4	644.1	643.9	643.7	643.5
152.5°	652.1	652.9	653.8	654.7	655.5	655.8	655.6	655.3	655.2	654.9	654.6
155°	667.3	668.4	669.3	670.2	671.2	671.5	671.1	670.8	670.4	670.1	669.8
157.5°	680.1	681.1	682.0	683.1	684.0	684.3	683.9	683.5	683.2	682.8	682.7
160°	688.3	689.3	690.2	691.2	692.1	692.4	691.9	691.4	691.0	690.5	690.3
162.5°	695.6	696.7	697.8	698.8	699.8	700.0	699.4	698.7	698.0	697.4	697.2
165°	705.5	706.5	707.5	708.4	709.4	709.5	708.8	708.0	707.3	706.6	706.5
167.5°	712.4	713.5	714.5	715.7	716.7	716.8	716.0	715.1	714.3	713.4	713.2
170°	716.3	717.4	718.4	719.5	720.6	720.7	719.7	718.8	717.7	716.8	716.7
172.5°	718.9	719.9	721.0	722.1	723.2	723.3	722.5	721.5	720.7	719.8	719.6
175°	722.2	723.3	724.3	725.5	726.5	726.6	725.6	724.6	723.7	722.7	722.6
177.5°	724.2	724.9	725.7	726.4	727.2	727.3	726.6	725.9	725.3	724.5	724.4
180°	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5



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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°	18.6	17.6	15.9	14.6	12.4	11.0	10.5	10.7	9.7	9.5	10.1
90°	7.0	6.1	5.3	4.3	3.4	2.5	1.5	0.6	1.5	2.5	3.4
92.5°	7.2	6.4	5.7	5.6	6.3	7.0	7.6	8.3	7.6	7.0	6.3
95°	17.7	22.2	26.8	29.2	29.6	30.0	30.3	30.6	30.3	30.0	29.6
97.5°	44.4	53.4	62.4	66.5	65.9	65.3	64.7	64.0	64.7	65.3	65.9
100°	92.7	92.2	91.6	91.2	90.9	90.5	90.2	89.8	90.2	90.5	90.9
102.5°	118.9	118.5	118.2	117.8	117.4	117.0	116.5	116.0	116.5	117.0	117.4
105°	160.2	160.2	160.2	160.0	159.6	159.1	158.5	158.1	158.5	159.1	159.6
107.5°	202.4	202.1	201.9	201.8	201.8	201.8	201.8	201.8	201.8	201.8	201.8
110°	230.7	230.5	230.3	230.2	230.2	230.2	230.2	230.2	230.2	230.2	230.2



TEST NUMBER: P333214-830

CATALOG NUMBER: S125DIP-S850D590U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	258.4	258.4	258.2	258.0	257.7	257.4	257.1	256.8	257.1	257.4	257.7
115°	299.8	299.7	299.6	299.3	298.6	298.0	297.5	296.8	297.5	298.0	298.6
117.5°	339.3	338.8	338.4	338.2	338.2	338.2	338.2	338.3	338.2	338.2	338.2
120°	364.4	364.1	363.7	363.5	363.7	363.8	363.9	364.1	363.9	363.8	363.7
122.5°	389.4	389.2	389.0	388.7	388.2	387.8	387.3	386.8	387.3	387.8	388.2
125°	425.9	425.9	425.9	425.5	424.6	423.8	423.0	422.2	423.0	423.8	424.6
127.5°	458.4	458.4	458.5	458.2	457.6	457.0	456.4	455.8	456.4	457.0	457.6
130°	479.5	479.3	479.2	478.8	478.2	477.7	477.0	476.5	477.0	477.7	478.2
132.5°	499.5	499.8	500.1	499.8	499.2	498.5	497.8	497.1	497.8	498.5	499.2
135°	529.0	529.3	529.6	529.3	528.6	527.9	527.2	526.5	527.2	527.9	528.6
137.5°	555.7	555.9	556.2	555.9	555.3	554.7	554.1	553.5	554.1	554.7	555.3
140°	571.8	572.0	572.1	572.0	571.8	571.6	571.4	571.1	571.4	571.6	571.8
142.5°	588.1	588.0	587.8	587.6	587.5	587.3	587.2	587.0	587.2	587.3	587.5
145°	611.4	611.4	611.4	611.3	611.1	610.9	610.6	610.4	610.6	610.9	611.1
147.5°	630.9	630.7	630.7	630.6	630.7	630.7	630.7	630.7	630.7	630.7	630.7
150°	643.2	643.0	642.7	642.7	643.0	643.2	643.5	643.7	643.5	643.2	643.0
152.5°	654.4	654.1	653.9	654.0	654.6	655.2	655.6	656.2	655.6	655.2	654.6
155°	669.6	669.3	669.1	669.3	670.1	670.8	671.5	672.2	671.5	670.8	670.1
157.5°	682.7	682.7	682.7	682.9	683.2	683.7	684.1	684.6	684.1	683.7	683.2
160°	690.2	690.1	690.0	690.3	691.0	691.7	692.5	693.1	692.5	691.7	691.0
162.5°	697.1	697.0	696.9	697.2	697.9	698.6	699.4	700.0	699.4	698.6	697.9
165°	706.3	706.2	706.2	706.4	707.2	707.8	708.6	709.3	708.6	707.8	707.2
167.5°	713.1	713.0	712.9	713.2	714.0	714.7	715.5	716.1	715.5	714.7	714.0
170°	716.6	716.4	716.3	716.7	717.6	718.4	719.3	720.1	719.3	718.4	717.6
172.5°	719.4	719.2	719.0	719.3	720.1	721.0	721.8	722.6	721.8	721.0	720.1
175°	722.6	722.4	722.3	722.6	723.3	724.0	724.7	725.5	724.7	724.0	723.3
177.5°	724.3	724.2	724.2	724.4	725.0	725.6	726.1	726.7	726.1	725.6	725.0
180°	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5



TEST NUMBER: P333214-830

CATALOG NUMBER: S125DIP-S850D590U830-4F0-1E-UDD-A

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°	10.7	11.6	11.4	12.0	12.2	13.1	12.8	14.5	15.4	16.3	16.0
90°	4.3	5.3	6.1	7.0	7.7	8.6	9.2	9.8	10.4	11.0	11.5
92.5°	5.6	5.7	6.4	7.2	7.8	8.6	9.2	9.8	10.4	11.0	11.4
95°	29.2	26.8	22.2	17.7	13.1	8.6	9.2	9.8	10.4	11.0	11.3
97.5°	66.5	62.4	53.4	44.4	35.4	26.5	23.1	19.7	16.3	13.0	11.3
100°	91.2	91.6	92.2	92.7	93.1	93.6	75.8	58.0	40.2	22.3	13.2
102.5°	117.8	118.2	118.5	118.9	119.1	119.4	116.0	112.6	109.2	105.9	100.2
105°	160.0	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
107.5°	201.8	201.9	202.1	202.4	202.6	202.8	202.8	202.9	202.9	202.9	202.7
110°	230.2	230.3	230.5	230.7	231.0	231.2	230.9	230.5	230.2	229.8	229.7



TEST NUMBER: P333214-830

CATALOG NUMBER: S125DIP-S850D590U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	258.0	258.2	258.4	258.4	258.6	258.7	258.4	257.9	257.4	256.9	256.7
115°	299.3	299.6	299.7	299.8	299.9	300.1	299.6	299.1	298.6	298.1	297.6
117.5°	338.2	338.4	338.8	339.3	339.7	340.2	339.6	338.9	338.3	337.7	337.2
120°	363.5	363.7	364.1	364.4	364.8	365.1	364.9	364.7	364.4	364.2	363.7
122.5°	388.7	389.0	389.2	389.4	389.5	389.6	389.5	389.2	389.0	388.7	388.2
125°	425.5	425.9	425.9	425.9	425.9	425.9	425.5	425.0	424.4	424.0	423.6
127.5°	458.2	458.5	458.4	458.4	458.3	458.2	457.9	457.6	457.4	457.1	456.6
130°	478.8	479.2	479.3	479.5	479.6	479.7	479.3	479.0	478.6	478.2	477.8
132.5°	499.8	500.1	499.8	499.5	499.3	499.1	499.0	498.9	498.8	498.8	498.4
135°	529.3	529.6	529.3	529.0	528.9	528.6	528.4	528.1	527.9	527.6	527.2
137.5°	555.9	556.2	555.9	555.7	555.5	555.3	555.3	555.3	555.4	555.4	555.2
140°	572.0	572.1	572.0	571.8	571.7	571.7	571.8	572.1	572.3	572.6	572.3
142.5°	587.6	587.8	588.0	588.1	588.2	588.4	588.4	588.5	588.5	588.6	588.2
145°	611.3	611.4	611.4	611.4	611.4	611.4	611.5	611.7	611.8	611.9	611.6
147.5°	630.6	630.7	630.7	630.9	631.0	631.2	631.4	631.5	631.7	631.8	631.4
150°	642.7	642.7	643.0	643.2	643.5	643.7	643.9	644.1	644.4	644.6	644.3
152.5°	654.0	653.9	654.1	654.4	654.6	654.9	655.2	655.3	655.6	655.8	655.5
155°	669.3	669.1	669.3	669.6	669.8	670.1	670.4	670.8	671.1	671.5	671.2
157.5°	682.9	682.7	682.7	682.7	682.7	682.8	683.2	683.5	683.9	684.3	684.0
160°	690.3	690.0	690.1	690.2	690.3	690.5	691.0	691.4	691.9	692.4	692.1
162.5°	697.2	696.9	697.0	697.1	697.2	697.4	698.0	698.7	699.4	700.0	699.8
165°	706.4	706.2	706.2	706.3	706.5	706.6	707.3	708.0	708.8	709.5	709.4
167.5°	713.2	712.9	713.0	713.1	713.2	713.4	714.3	715.1	716.0	716.8	716.7
170°	716.7	716.3	716.4	716.6	716.7	716.8	717.7	718.8	719.7	720.7	720.6
172.5°	719.3	719.0	719.2	719.4	719.6	719.8	720.7	721.5	722.5	723.3	723.2
175°	722.6	722.3	722.4	722.6	722.6	722.7	723.7	724.6	725.6	726.6	726.5
177.5°	724.4	724.2	724.2	724.3	724.4	724.5	725.3	725.9	726.6	727.3	727.2
180°	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5



TEST NUMBER: P333214-830

CATALOG NUMBER: S125DIP-S850D590U830-4F0-1E-UDD-A

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°	16.9	16.5	16.6	17.4	16.6	16.5	16.9	16.0	16.3	15.4	14.5
90°	11.9	12.2	12.5	12.9	12.5	12.2	11.9	11.5	11.0	10.4	9.8
92.5°	11.5	11.7	11.9	12.1	11.9	11.7	11.5	11.4	11.0	10.4	9.8
95°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.0	10.4	9.8
97.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	13.0	16.3	19.7
100°	12.7	12.3	11.8	11.3	11.8	12.3	12.7	13.2	22.3	40.2	58.0
102.5°	92.0	83.9	75.8	67.7	75.8	83.9	92.0	100.2	105.9	109.2	112.6
105°	160.0	159.9	159.9	159.7	159.9	159.9	160.0	160.2	160.2	160.2	160.2
107.5°	202.5	202.1	201.7	201.3	201.7	202.1	202.5	202.7	202.9	202.9	202.9
110°	229.8	229.9	230.1	230.2	230.1	229.9	229.8	229.7	229.8	230.2	230.5



TEST NUMBER: P333214-830

CATALOG NUMBER: S125DIP-S850D590U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	256.5	256.3	256.2	256.0	256.2	256.3	256.5	256.7	256.9	257.4	257.9
115°	296.8	296.1	295.4	294.7	295.4	296.1	296.8	297.6	298.1	298.6	299.1
117.5°	337.0	336.6	336.3	336.0	336.3	336.6	337.0	337.2	337.7	338.3	338.9
120°	363.2	362.6	361.9	361.4	361.9	362.6	363.2	363.7	364.2	364.4	364.7
122.5°	387.6	386.8	386.2	385.5	386.2	386.8	387.6	388.2	388.7	389.0	389.2
125°	423.2	422.8	422.5	422.2	422.5	422.8	423.2	423.6	424.0	424.4	425.0
127.5°	455.6	454.8	453.9	453.0	453.9	454.8	455.6	456.6	457.1	457.4	457.6
130°	477.2	476.5	476.0	475.4	476.0	476.5	477.2	477.8	478.2	478.6	479.0
132.5°	497.9	497.2	496.6	496.1	496.6	497.2	497.9	498.4	498.8	498.8	498.9
135°	526.5	525.8	525.0	524.3	525.0	525.8	526.5	527.2	527.6	527.9	528.1
137.5°	554.6	553.9	553.4	552.7	553.4	553.9	554.6	555.2	555.4	555.4	555.3
140°	571.7	570.9	570.2	569.5	570.2	570.9	571.7	572.3	572.6	572.3	572.1
142.5°	587.6	586.8	586.1	585.4	586.1	586.8	587.6	588.2	588.6	588.5	588.5
145°	610.9	610.2	609.4	608.7	609.4	610.2	610.9	611.6	611.9	611.8	611.7
147.5°	630.6	629.7	628.9	628.0	628.9	629.7	630.6	631.4	631.8	631.7	631.5
150°	643.4	642.3	641.4	640.5	641.4	642.3	643.4	644.3	644.6	644.4	644.1
152.5°	654.7	653.8	652.9	652.1	652.9	653.8	654.7	655.5	655.8	655.6	655.3
155°	670.2	669.3	668.4	667.3	668.4	669.3	670.2	671.2	671.5	671.1	670.8
157.5°	683.1	682.0	681.1	680.1	681.1	682.0	683.1	684.0	684.3	683.9	683.5
160°	691.2	690.2	689.3	688.3	689.3	690.2	691.2	692.1	692.4	691.9	691.4
162.5°	698.8	697.8	696.7	695.6	696.7	697.8	698.8	699.8	700.0	699.4	698.7
165°	708.4	707.5	706.5	705.5	706.5	707.5	708.4	709.4	709.5	708.8	708.0
167.5°	715.7	714.5	713.5	712.4	713.5	714.5	715.7	716.7	716.8	716.0	715.1
170°	719.5	718.4	717.4	716.3	717.4	718.4	719.5	720.6	720.7	719.7	718.8
172.5°	722.1	721.0	719.9	718.9	719.9	721.0	722.1	723.2	723.3	722.5	721.5
175°	725.5	724.3	723.3	722.2	723.3	724.3	725.5	726.5	726.6	725.6	724.6
177.5°	726.4	725.7	724.9	724.2	724.9	725.7	726.4	727.2	727.3	726.6	725.9
180°	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5



TEST NUMBER: P333214-830

CATALOG NUMBER: S125DIP-S850D590U830-4F0-1E-UDD-A

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°	12.8	13.1	12.2	12.0	11.4	11.6	10.7	10.1	9.5	9.7	10.7
90°	9.2	8.6	7.7	7.0	6.1	5.3	4.3	3.4	2.5	1.5	0.6
92.5°	9.2	8.6	7.8	7.2	6.4	5.7	5.6	6.3	7.0	7.6	8.3
95°	9.2	8.6	13.1	17.7	22.2	26.8	29.2	29.6	30.0	30.3	30.6
97.5°	23.1	26.5	35.4	44.4	53.4	62.4	66.5	65.9	65.3	64.7	64.0
100°	75.8	93.6	93.1	92.7	92.2	91.6	91.2	90.9	90.5	90.2	89.8
102.5°	116.0	119.4	119.1	118.9	118.5	118.2	117.8	117.4	117.0	116.5	116.0
105°	160.2	160.2	160.2	160.2	160.2	160.2	160.0	159.6	159.1	158.5	158.1
107.5°	202.8	202.8	202.6	202.4	202.1	201.9	201.8	201.8	201.8	201.8	201.8
110°	230.9	231.2	231.0	230.7	230.5	230.3	230.2	230.2	230.2	230.2	230.2



TEST NUMBER: P333214-830

CATALOG NUMBER: S125DIP-S850D590U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	258.4	258.7	258.6	258.4	258.4	258.2	258.0	257.7	257.4	257.1	256.8
115°	299.6	300.1	299.9	299.8	299.7	299.6	299.3	298.6	298.0	297.5	296.8
117.5°	339.6	340.2	339.7	339.3	338.8	338.4	338.2	338.2	338.2	338.2	338.3
120°	364.9	365.1	364.8	364.4	364.1	363.7	363.5	363.7	363.8	363.9	364.1
122.5°	389.5	389.6	389.5	389.4	389.2	389.0	388.7	388.2	387.8	387.3	386.8
125°	425.5	425.9	425.9	425.9	425.9	425.9	425.5	424.6	423.8	423.0	422.2
127.5°	457.9	458.2	458.3	458.4	458.4	458.5	458.2	457.6	457.0	456.4	455.8
130°	479.3	479.7	479.6	479.5	479.3	479.2	478.8	478.2	477.7	477.0	476.5
132.5°	499.0	499.1	499.3	499.5	499.8	500.1	499.8	499.2	498.5	497.8	497.1
135°	528.4	528.6	528.9	529.0	529.3	529.6	529.3	528.6	527.9	527.2	526.5
137.5°	555.3	555.3	555.5	555.7	555.9	556.2	555.9	555.3	554.7	554.1	553.5
140°	571.8	571.7	571.7	571.8	572.0	572.1	572.0	571.8	571.6	571.4	571.1
142.5°	588.4	588.4	588.2	588.1	588.0	587.8	587.6	587.5	587.3	587.2	587.0
145°	611.5	611.4	611.4	611.4	611.4	611.4	611.3	611.1	610.9	610.6	610.4
147.5°	631.4	631.2	631.0	630.9	630.7	630.7	630.6	630.7	630.7	630.7	630.7
150°	643.9	643.7	643.5	643.2	643.0	642.7	642.7	643.0	643.2	643.5	643.7
152.5°	655.2	654.9	654.6	654.4	654.1	653.9	654.0	654.6	655.2	655.6	656.2
155°	670.4	670.1	669.8	669.6	669.3	669.1	669.3	670.1	670.8	671.5	672.2
157.5°	683.2	682.8	682.7	682.7	682.7	682.7	682.9	683.2	683.7	684.1	684.6
160°	691.0	690.5	690.3	690.2	690.1	690.0	690.3	691.0	691.7	692.5	693.1
162.5°	698.0	697.4	697.2	697.1	697.0	696.9	697.2	697.9	698.6	699.4	700.0
165°	707.3	706.6	706.5	706.3	706.2	706.2	706.4	707.2	707.8	708.6	709.3
167.5°	714.3	713.4	713.2	713.1	713.0	712.9	713.2	714.0	714.7	715.5	716.1
170°	717.7	716.8	716.7	716.6	716.4	716.3	716.7	717.6	718.4	719.3	720.1
172.5°	720.7	719.8	719.6	719.4	719.2	719.0	719.3	720.1	721.0	721.8	722.6
175°	723.7	722.7	722.6	722.6	722.4	722.3	722.6	723.3	724.0	724.7	725.5
177.5°	725.3	724.5	724.4	724.3	724.2	724.2	724.4	725.0	725.6	726.1	726.7
180°	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5



TEST NUMBER: P333214-830

CATALOG NUMBER: S125DIP-S850D590U830-4F0-1E-UDD-A

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°	10.5	11.0	12.4	14.6	15.9	17.6	18.6	18.0	16.6	15.6	14.5
90°	1.5	2.5	3.4	4.3	5.3	6.1	7.0	7.7	8.6	9.2	9.8
92.5°	7.6	7.0	6.3	5.6	5.7	6.4	7.2	7.8	8.6	9.2	9.8
95°	30.3	30.0	29.6	29.2	26.8	22.2	17.7	13.1	8.6	9.2	9.8
97.5°	64.7	65.3	65.9	66.5	62.4	53.4	44.4	35.4	26.5	23.1	19.7
100°	90.2	90.5	90.9	91.2	91.6	92.2	92.7	93.1	93.6	75.8	58.0
102.5°	116.5	117.0	117.4	117.8	118.2	118.5	118.9	119.1	119.4	116.0	112.6
105°	158.5	159.1	159.6	160.0	160.2	160.2	160.2	160.2	160.2	160.2	160.2
107.5°	201.8	201.8	201.8	201.8	201.9	202.1	202.4	202.6	202.8	202.8	202.9
110°	230.2	230.2	230.2	230.2	230.3	230.5	230.7	231.0	231.2	230.9	230.5



TEST NUMBER: P333214-830

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	257.1	257.4	257.7	258.0	258.2	258.4	258.4	258.6	258.7	258.4	257.9
115°	297.5	298.0	298.6	299.3	299.6	299.7	299.8	299.9	300.1	299.6	299.1
117.5°	338.2	338.2	338.2	338.2	338.4	338.8	339.3	339.7	340.2	339.6	338.9
120°	363.9	363.8	363.7	363.5	363.7	364.1	364.4	364.8	365.1	364.9	364.7
122.5°	387.3	387.8	388.2	388.7	389.0	389.2	389.4	389.5	389.6	389.5	389.2
125°	423.0	423.8	424.6	425.5	425.9	425.9	425.9	425.9	425.9	425.5	425.0
127.5°	456.4	457.0	457.6	458.2	458.5	458.4	458.4	458.3	458.2	457.9	457.6
130°	477.0	477.7	478.2	478.8	479.2	479.3	479.5	479.6	479.7	479.3	479.0
132.5°	497.8	498.5	499.2	499.8	500.1	499.8	499.5	499.3	499.1	499.0	498.9
135°	527.2	527.9	528.6	529.3	529.6	529.3	529.0	528.9	528.6	528.4	528.1
137.5°	554.1	554.7	555.3	555.9	556.2	555.9	555.7	555.5	555.3	555.3	555.3
140°	571.4	571.6	571.8	572.0	572.1	572.0	571.8	571.7	571.7	571.8	572.1
142.5°	587.2	587.3	587.5	587.6	587.8	588.0	588.1	588.2	588.4	588.4	588.5
145°	610.6	610.9	611.1	611.3	611.4	611.4	611.4	611.4	611.4	611.5	611.7
147.5°	630.7	630.7	630.7	630.6	630.7	630.7	630.9	631.0	631.2	631.4	631.5
150°	643.5	643.2	643.0	642.7	642.7	643.0	643.2	643.5	643.7	643.9	644.1
152.5°	655.6	655.2	654.6	654.0	653.9	654.1	654.4	654.6	654.9	655.2	655.3
155°	671.5	670.8	670.1	669.3	669.1	669.3	669.6	669.8	670.1	670.4	670.8
157.5°	684.1	683.7	683.2	682.9	682.7	682.7	682.7	682.7	682.8	683.2	683.5
160°	692.5	691.7	691.0	690.3	690.0	690.1	690.2	690.3	690.5	691.0	691.4
162.5°	699.4	698.6	697.9	697.2	696.9	697.0	697.1	697.2	697.4	698.0	698.7
165°	708.6	707.8	707.2	706.4	706.2	706.2	706.3	706.5	706.6	707.3	708.0
167.5°	715.5	714.7	714.0	713.2	712.9	713.0	713.1	713.2	713.4	714.3	715.1
170°	719.3	718.4	717.6	716.7	716.3	716.4	716.6	716.7	716.8	717.7	718.8
172.5°	721.8	721.0	720.1	719.3	719.0	719.2	719.4	719.6	719.8	720.7	721.5
175°	724.7	724.0	723.3	722.6	722.3	722.4	722.6	722.6	722.7	723.7	724.6
177.5°	726.1	725.6	725.0	724.4	724.2	724.2	724.3	724.4	724.5	725.3	725.9
180°	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5	725.5



TEST NUMBER: P333214-830

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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°	14.6	13.2	13.3	12.9	13.0	12.7	12.0
90°	10.4	11.0	11.5	11.9	12.2	12.5	12.9
92.5°	10.4	11.0	11.4	11.5	11.7	11.9	12.1
95°	10.4	11.0	11.3	11.3	11.3	11.3	11.3
97.5°	16.3	13.0	11.3	11.3	11.3	11.3	11.3
100°	40.2	22.3	13.2	12.7	12.3	11.8	11.3
102.5°	109.2	105.9	100.2	92.0	83.9	75.8	67.7
105°	160.2	160.2	160.2	160.0	159.9	159.9	159.7
107.5°	202.9	202.9	202.7	202.5	202.1	201.7	201.3
110°	230.2	229.8	229.7	229.8	229.9	230.1	230.2



TEST NUMBER: P333214-830

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	257.4	256.9	256.7	256.5	256.3	256.2	256.0
115°	298.6	298.1	297.6	296.8	296.1	295.4	294.7
117.5°	338.3	337.7	337.2	337.0	336.6	336.3	336.0
120°	364.4	364.2	363.7	363.2	362.6	361.9	361.4
122.5°	389.0	388.7	388.2	387.6	386.8	386.2	385.5
125°	424.4	424.0	423.6	423.2	422.8	422.5	422.2
127.5°	457.4	457.1	456.6	455.6	454.8	453.9	453.0
130°	478.6	478.2	477.8	477.2	476.5	476.0	475.4
132.5°	498.8	498.8	498.4	497.9	497.2	496.6	496.1
135°	527.9	527.6	527.2	526.5	525.8	525.0	524.3
137.5°	555.4	555.4	555.2	554.6	553.9	553.4	552.7
140°	572.3	572.6	572.3	571.7	570.9	570.2	569.5
142.5°	588.5	588.6	588.2	587.6	586.8	586.1	585.4
145°	611.8	611.9	611.6	610.9	610.2	609.4	608.7
147.5°	631.7	631.8	631.4	630.6	629.7	628.9	628.0
150°	644.4	644.6	644.3	643.4	642.3	641.4	640.5
152.5°	655.6	655.8	655.5	654.7	653.8	652.9	652.1
155°	671.1	671.5	671.2	670.2	669.3	668.4	667.3
157.5°	683.9	684.3	684.0	683.1	682.0	681.1	680.1
160°	691.9	692.4	692.1	691.2	690.2	689.3	688.3
162.5°	699.4	700.0	699.8	698.8	697.8	696.7	695.6
165°	708.8	709.5	709.4	708.4	707.5	706.5	705.5
167.5°	716.0	716.8	716.7	715.7	714.5	713.5	712.4
170°	719.7	720.7	720.6	719.5	718.4	717.4	716.3
172.5°	722.5	723.3	723.2	722.1	721.0	719.9	718.9
175°	725.6	726.6	726.5	725.5	724.3	723.3	722.2
177.5°	726.6	727.3	727.2	726.4	725.7	724.9	724.2
180°	725.5	725.5	725.5	725.5	725.5	725.5	725.5

(END OF REPORT)