

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: P333526-830

Luminaire Tested: **S125RDIP-S610D590U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333526-830
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: S125RDIP-S610D590U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4488.9 lumens
Efficiency: N/A
Efficacy: 136.9 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: General Diffuse

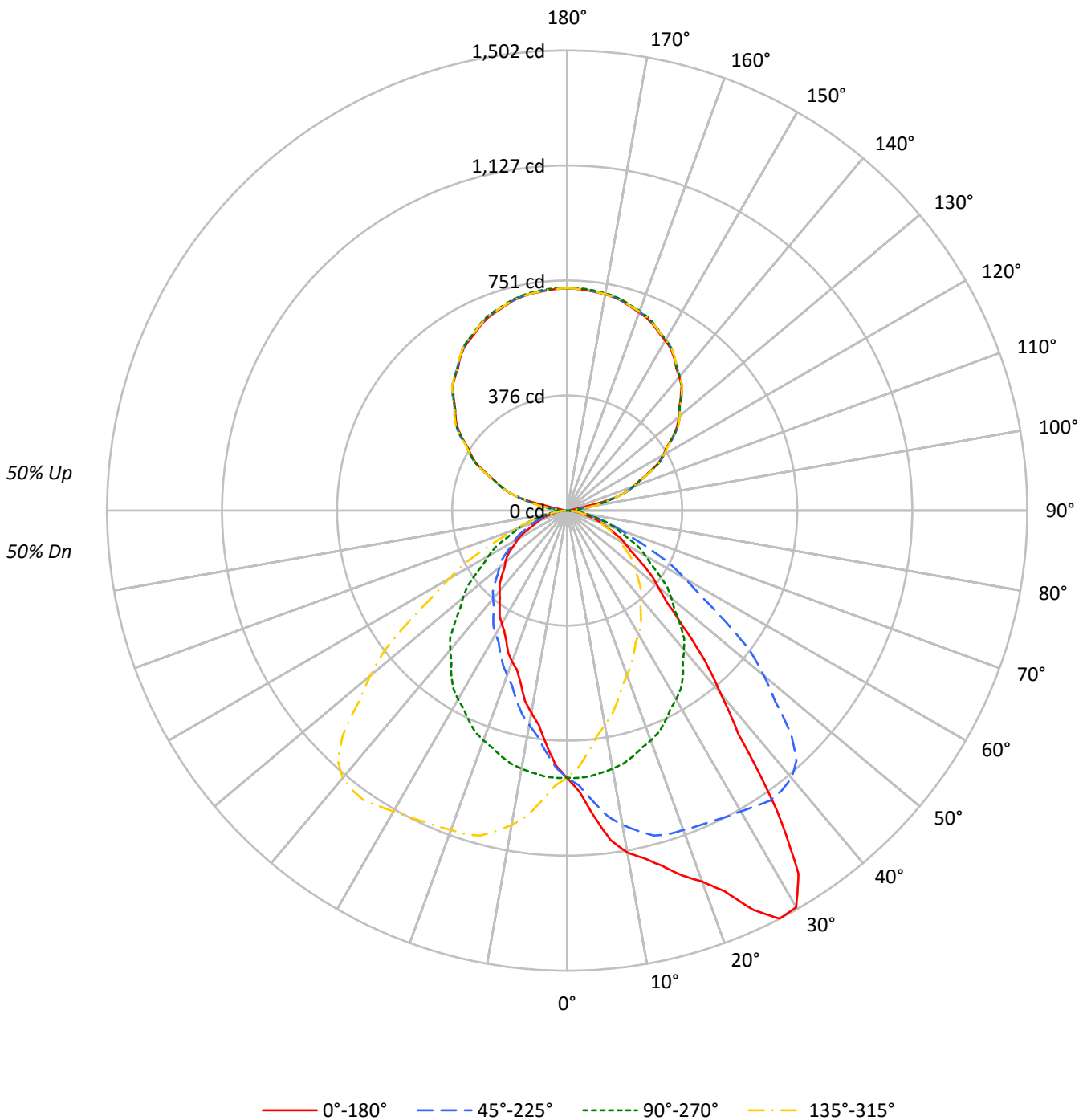
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	94	90	87	91	87	84	81	74	72	70	62	60	59	51	50	49	43
2	90	83	77	72	83	77	71	67	65	61	58	55	52	50	45	43	41	37
3	82	73	66	60	76	68	62	57	58	53	49	49	45	42	40	38	36	32
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	36	33	31	27
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	24	21	19
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17
9	51	39	32	27	47	36	30	25	32	26	23	27	23	20	23	20	17	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5633	5633	5633	5633
5°	6481	5641	4982	5641
10°	7434	5612	4395	5612
15°	8029	5554	3907	5554
20°	8854	5487	3608	5487
25°	10246	5399	3348	5399
30°	11150	5305	3177	5305
35°	9406	5196	3020	5196
40°	6568	5001	2886	5001
45°	4873	4738	2754	4738
50°	3885	4464	2640	4464
55°	3297	4124	2540	4124
60°	2849	3821	2378	3821
65°	2540	3492	2046	3492
70°	2232	3199	1866	3199
75°	1931	2770	1752	2770
80°	1465	2332	1465	2332
85°	1223	1830	1386	1830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	1.9
10°-20°	245.1	5.5
20°-30°	388.6	8.7
30°-40°	468.7	10.4
40°-50°	418.5	9.3
50°-60°	321.0	7.1
60°-70°	208.6	4.6
70°-80°	101.4	2.3
80°-90°	25.7	0.6
90°-100°	26.4	0.6
100°-110°	162.5	3.6
110°-120°	294.7	6.6
120°-130°	378.2	8.4
130°-140°	406.7	9.1
140°-150°	381.8	8.5
150°-160°	308.8	6.9
160°-170°	199.7	4.4
170°-180°	68.9	1.5
0°-30°	717.4	16.0
0°-40°	1186.0	26.4
0°-60°	1925.5	42.9
0°-90°	2261.2	50.4
90°-120°	483.5	10.8
90°-150°	1650.2	36.8
90°-180°	2228.0	49.6
0°-180°	4488.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	872	872	872	872	872	
5°	1000	870	768	870	1000	100
15°	1201	831	584	831	1201	344
25°	1438	758	470	758	1438	660
35°	1193	659	383	659	1193	721
45°	534	519	302	519	534	426
55°	293	366	226	366	293	266
65°	166	228	134	228	166	165
75°	77	111	70	111	77	82
85°	16	25	19	25	16	19
90°	13	1	13	1	13	6
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°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	917.5	916.9	918.0	914.8	915.2	910.3	910.3	906.5	901.7	898.0	896.3
5°	999.7	1000.4	998.9	993.5	990.0	984.6	978.5	967.8	958.8	950.3	943.5
7.5°	1084.3	1084.8	1080.1	1078.5	1069.4	1062.8	1049.3	1034.7	1021.7	1005.2	992.7
10°	1133.6	1133.2	1128.2	1124.3	1116.3	1106.4	1093.1	1075.9	1059.8	1041.9	1024.7
12.5°	1162.2	1161.3	1159.7	1154.9	1147.6	1138.7	1127.5	1110.6	1090.7	1071.1	1051.1
15°	1200.9	1198.3	1193.7	1187.6	1177.2	1166.9	1154.3	1139.3	1120.3	1098.2	1079.5
17.5°	1248.7	1248.8	1241.6	1233.2	1219.1	1200.7	1181.4	1157.2	1131.3	1106.9	1087.1
20°	1288.3	1287.1	1280.0	1263.6	1247.5	1224.6	1202.3	1172.6	1141.1	1109.2	1084.5
22.5°	1344.9	1342.2	1334.7	1313.1	1288.1	1258.6	1224.6	1188.4	1150.3	1114.1	1081.7
25°	1437.9	1435.8	1421.1	1396.0	1360.9	1315.4	1271.0	1221.3	1166.5	1118.9	1079.5
27.5°	1501.5	1499.1	1488.3	1467.4	1435.0	1387.2	1327.1	1260.7	1192.2	1126.7	1069.9
30°	1495.2	1500.5	1499.1	1489.5	1465.1	1422.1	1366.7	1291.8	1210.5	1133.6	1065.9
32.5°	1405.2	1410.0	1422.7	1441.6	1443.0	1425.9	1384.4	1315.3	1231.1	1143.6	1062.7
35°	1193.0	1199.5	1223.8	1262.1	1312.2	1354.2	1362.7	1325.5	1249.9	1155.7	1058.0
37.5°	917.2	952.4	972.9	1013.2	1088.9	1166.0	1240.1	1267.4	1235.3	1150.8	1050.4
40°	779.1	787.7	824.3	869.7	933.4	1013.6	1119.3	1195.5	1198.0	1139.3	1038.3
42.5°	666.8	677.7	702.8	739.0	793.6	873.8	982.9	1083.5	1130.1	1107.8	1022.6
45°	533.5	541.7	560.0	587.9	629.8	696.1	789.9	906.3	998.6	1034.7	980.3
47.5°	438.3	442.7	458.5	479.8	510.9	559.1	631.7	732.7	843.6	921.2	913.6
50°	386.7	391.7	403.9	420.0	446.1	486.9	545.0	629.1	743.3	838.2	857.1
52.5°	346.6	350.7	358.4	373.6	395.1	426.5	473.3	549.5	652.2	753.1	797.0
55°	292.8	295.8	301.8	310.4	327.6	350.2	390.6	443.3	526.3	628.0	692.5
57.5°	248.6	250.1	253.9	261.8	273.7	290.2	319.4	364.1	423.7	515.2	586.4
60°	220.6	222.0	227.0	232.3	241.7	256.7	279.7	310.8	368.1	443.7	515.6
62.5°	198.2	199.1	201.2	206.6	214.7	226.4	244.4	269.8	315.4	381.7	449.7
65°	166.2	166.5	167.2	171.5	176.5	185.1	196.9	214.8	249.2	299.4	359.5
67.5°	135.3	135.8	138.4	139.9	145.1	149.6	156.6	170.2	194.4	228.2	274.9
70°	118.2	117.8	120.3	122.1	123.9	129.2	133.9	145.0	160.0	185.9	224.9
72.5°	102.1	101.2	102.3	102.9	105.3	109.0	113.6	120.4	132.0	149.8	179.6
75°	77.4	77.7	77.7	78.4	80.2	81.6	83.0	86.6	93.1	104.9	121.0
77.5°	54.3	53.7	55.2	55.4	56.5	58.1	59.3	60.7	63.3	68.2	76.5
80°	39.4	39.4	39.8	40.8	40.4	41.2	43.0	44.4	47.6	50.5	53.3
82.5°	30.3	30.0	30.3	30.5	30.4	31.1	31.8	32.0	33.3	34.7	36.8
85°	16.5	16.5	16.9	16.9	17.2	17.2	17.5	17.5	17.5	17.9	18.3
87.5°	8.9	8.5	8.2	8.1	8.3	8.8	8.4	8.0	7.8	7.7	7.8
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°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	896.3	894.3	890.5	887.1	882.8	879.1	876.5	873.4	869.3	864.5	860.4
5°	935.9	928.0	917.7	908.7	897.3	888.3	879.0	870.1	861.1	849.6	839.6
7.5°	979.9	963.7	947.8	927.9	909.8	893.7	878.3	862.6	847.3	831.0	815.3
10°	1006.8	987.1	965.3	940.2	917.3	895.5	875.4	855.7	835.0	816.7	797.0
12.5°	1032.0	1006.6	981.7	950.0	922.5	895.8	870.2	845.7	823.5	799.8	778.6
15°	1054.8	1029.7	1001.8	963.2	924.8	892.6	862.5	830.7	803.1	776.6	753.0
17.5°	1063.6	1037.4	1004.8	967.7	925.9	885.3	846.6	811.6	779.2	748.3	721.7
20°	1060.2	1034.7	1001.5	966.0	921.2	879.0	837.1	798.4	762.2	729.7	701.4
22.5°	1051.9	1025.6	993.4	956.0	913.5	868.6	824.0	782.7	744.8	711.1	680.2
25°	1039.4	1003.6	970.6	934.2	893.7	849.3	803.1	757.6	717.2	682.8	649.1
27.5°	1026.4	981.8	939.9	903.5	860.8	821.2	776.7	730.1	687.5	652.5	618.0
30°	1014.7	964.6	918.4	877.2	836.8	799.2	756.9	711.4	667.8	631.6	596.5
32.5°	1000.1	946.8	896.1	848.6	809.5	772.2	734.0	690.5	648.0	610.7	575.0
35°	981.8	913.7	858.6	808.1	764.8	728.6	694.3	659.1	616.5	577.9	543.2
37.5°	957.7	880.5	816.7	761.7	716.0	679.7	652.6	620.5	581.6	544.6	512.4
40°	943.1	856.5	786.6	732.2	684.2	645.9	620.5	593.2	557.8	523.1	490.9
42.5°	923.6	834.4	756.3	699.6	651.3	614.4	588.7	565.0	535.2	502.5	468.0
45°	885.4	791.6	709.6	648.8	600.1	563.9	539.9	518.8	496.2	466.2	436.1
47.5°	835.8	747.1	661.2	594.7	547.1	513.5	490.2	473.5	457.4	431.9	402.7
50°	796.0	710.4	626.6	562.1	511.3	479.4	457.6	444.3	429.6	406.4	382.0
52.5°	748.9	672.6	590.5	524.6	476.6	446.8	425.7	412.6	400.4	381.4	358.3
55°	675.0	607.9	532.7	473.0	429.0	398.9	378.8	366.3	359.1	343.0	324.7
57.5°	589.5	541.5	475.2	417.5	378.6	348.8	334.2	323.6	315.5	304.1	291.2
60°	529.9	496.2	436.8	382.0	346.2	317.9	304.7	295.8	288.2	278.5	268.5
62.5°	469.5	445.0	393.3	346.2	313.3	289.5	277.2	269.1	260.4	253.9	244.2
65°	388.5	366.6	330.8	294.0	263.5	244.6	235.6	228.5	223.1	215.9	209.1
67.5°	302.2	293.3	268.6	243.2	221.3	204.4	196.7	191.7	185.2	181.0	176.3
70°	249.2	244.9	227.3	210.6	190.1	178.7	171.5	169.4	161.5	157.2	153.9
72.5°	202.3	200.2	190.1	178.4	164.1	154.0	147.4	145.0	140.0	136.6	134.5
75°	138.6	139.3	137.5	130.0	124.6	118.2	112.4	111.0	107.4	104.5	102.7
77.5°	87.7	91.3	91.4	91.0	89.0	85.0	82.7	81.5	78.0	77.0	76.5
80°	60.1	64.1	67.7	67.3	66.6	65.5	63.7	62.7	60.9	59.8	59.1
82.5°	40.1	43.7	46.8	48.7	48.5	47.5	46.3	45.7	45.4	44.6	44.5
85°	18.9	19.7	20.7	23.3	25.1	25.4	25.1	24.7	23.7	24.0	24.3
87.5°	8.0	7.8	7.9	7.7	7.3	8.5	9.1	9.2	8.9	8.5	8.1
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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	857.6	853.6	850.7	845.0	840.9	839.2	836.1	835.3	838.4	836.1	835.8
5°	832.1	821.7	813.5	805.2	796.3	790.6	781.9	780.5	778.4	775.1	774.5
7.5°	801.5	788.0	777.4	763.7	752.0	742.4	731.7	726.6	723.8	719.6	714.1
10°	780.9	764.8	750.5	736.9	722.2	710.4	699.6	691.4	686.0	681.0	678.8
12.5°	760.5	744.1	725.9	709.4	693.0	679.7	667.8	662.4	656.5	650.6	645.6
15°	729.0	707.1	687.1	668.1	654.1	639.8	628.4	620.5	611.5	609.1	599.4
17.5°	695.5	674.0	650.5	630.6	614.4	598.6	586.1	577.1	570.3	561.1	556.7
20°	674.6	649.1	626.2	607.9	590.0	571.5	558.6	551.0	544.6	537.1	533.5
22.5°	652.2	627.4	603.9	582.5	564.3	545.9	536.8	529.0	521.7	514.7	510.0
25°	619.4	594.4	569.7	547.4	528.5	515.2	504.4	495.5	491.6	484.7	479.8
27.5°	587.0	560.3	534.7	512.6	497.7	484.6	475.8	468.7	461.6	455.6	451.3
30°	566.1	538.9	511.0	493.4	477.6	465.1	455.4	448.7	443.3	437.9	434.7
32.5°	545.2	517.1	492.3	473.3	458.5	447.6	437.7	431.1	425.5	419.5	415.8
35°	511.6	483.0	463.0	444.3	429.6	419.6	412.8	403.5	398.9	394.5	390.6
37.5°	480.5	453.8	432.2	415.8	403.1	393.1	384.4	379.3	373.6	369.8	366.5
40°	457.6	433.2	413.6	396.3	387.0	376.0	367.7	361.3	356.9	351.9	348.4
42.5°	437.0	414.3	395.2	379.8	368.2	358.7	350.8	344.4	338.9	335.4	332.3
45°	407.8	385.2	366.6	352.3	341.6	332.6	324.4	321.1	314.0	309.7	308.3
47.5°	377.7	357.5	339.5	326.3	315.3	306.8	299.1	292.6	288.6	284.4	282.1
50°	357.3	338.0	321.1	308.3	297.6	288.2	281.1	276.7	271.4	267.5	264.6
52.5°	337.0	319.1	302.3	289.9	280.6	271.4	263.3	259.0	253.9	251.4	249.4
55°	307.9	289.0	274.7	262.4	252.8	244.2	236.7	232.3	229.1	226.7	225.9
57.5°	274.9	260.0	246.7	235.6	225.6	217.5	210.9	206.9	204.1	203.7	201.5
60°	253.4	239.9	227.7	215.9	207.3	199.8	194.1	189.5	186.5	186.2	185.5
62.5°	232.1	219.0	207.6	197.3	189.5	182.3	176.9	171.6	169.9	168.1	166.5
65°	200.1	188.3	179.0	170.8	162.6	156.5	151.1	147.9	143.9	141.8	137.9
67.5°	168.8	159.7	150.7	143.8	137.3	131.6	127.1	122.3	119.7	117.9	115.1
70°	148.3	141.1	132.1	124.6	119.6	114.9	111.3	105.9	104.2	102.7	101.3
72.5°	128.8	122.4	114.9	108.9	103.9	99.4	95.3	92.8	91.0	89.5	88.7
75°	101.3	95.2	88.8	84.5	81.0	77.4	75.2	73.4	72.7	72.3	70.9
77.5°	74.4	71.2	66.0	62.6	60.2	58.8	56.8	55.9	55.9	54.3	53.8
80°	56.9	55.1	50.8	49.4	47.6	46.2	45.1	43.4	41.6	40.8	39.8
82.5°	42.3	40.5	38.8	36.5	35.1	34.1	33.1	32.4	32.6	31.7	31.1
85°	22.5	20.7	20.1	19.7	18.9	19.7	19.3	18.9	18.7	18.3	18.7
87.5°	8.0	8.2	8.1	8.9	8.1	8.6	8.7	8.6	8.7	8.8	8.6
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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	835.6	832.4	831.5	832.6	831.5	832.4	835.6	835.8	836.1	838.4	835.3
5°	770.9	767.3	769.1	768.4	769.1	767.3	770.9	774.5	775.1	778.4	780.5
7.5°	714.0	709.5	704.8	706.3	704.8	709.5	714.0	714.1	719.6	723.8	726.6
10°	674.2	670.6	668.5	670.2	668.5	670.6	674.2	678.8	681.0	686.0	691.4
12.5°	640.6	638.6	636.7	635.9	636.7	638.6	640.6	645.6	650.6	656.5	662.4
15°	595.0	590.8	589.0	584.4	589.0	590.8	595.0	599.4	609.1	611.5	620.5
17.5°	553.0	551.6	547.0	545.0	547.0	551.6	553.0	556.7	561.1	570.3	577.1
20°	528.1	526.7	522.1	524.9	522.1	526.7	528.1	533.5	537.1	544.6	551.0
22.5°	507.5	504.4	502.8	502.0	502.8	504.4	507.5	510.0	514.7	521.7	529.0
25°	478.3	473.7	471.9	469.8	471.9	473.7	478.3	479.8	484.7	491.6	495.5
27.5°	449.3	446.8	444.4	443.8	444.4	446.8	449.3	451.3	455.6	461.6	468.7
30°	430.4	427.8	426.0	426.0	426.0	427.8	430.4	434.7	437.9	443.3	448.7
32.5°	413.5	411.5	409.7	409.4	409.7	411.5	413.5	415.8	419.5	425.5	431.1
35°	388.8	386.0	385.2	383.1	385.2	386.0	388.8	390.6	394.5	398.9	403.5
37.5°	363.3	360.9	360.8	360.6	360.8	360.9	363.3	366.5	369.8	373.6	379.3
40°	346.9	345.2	344.8	342.3	344.8	345.2	346.9	348.4	351.9	356.9	361.3
42.5°	329.5	328.6	327.3	326.2	327.3	328.6	329.5	332.3	335.4	338.9	344.4
45°	305.8	303.3	303.3	301.5	303.3	303.3	305.8	308.3	309.7	314.0	321.1
47.5°	281.3	279.4	279.6	277.7	279.6	279.4	281.3	282.1	284.4	288.6	292.6
50°	264.9	263.9	263.5	262.8	263.5	263.9	264.9	264.6	267.5	271.4	276.7
52.5°	248.6	248.2	249.5	247.9	249.5	248.2	248.6	249.4	251.4	253.9	259.0
55°	226.7	225.6	227.7	225.6	227.7	225.6	226.7	225.9	226.7	229.1	232.3
57.5°	201.3	200.4	202.3	201.2	202.3	200.4	201.3	201.5	203.7	204.1	206.9
60°	184.7	182.6	183.7	184.1	183.7	182.6	184.7	185.5	186.2	186.5	189.5
62.5°	164.9	163.7	164.5	162.9	164.5	163.7	164.9	166.5	168.1	169.9	171.6
65°	137.1	136.1	134.6	133.9	134.6	136.1	137.1	137.9	141.8	143.9	147.9
67.5°	115.2	112.6	112.5	113.1	112.5	112.6	115.2	115.1	117.9	119.7	122.3
70°	99.2	99.2	98.8	98.8	98.8	99.2	99.2	101.3	102.7	104.2	105.9
72.5°	88.0	87.8	87.1	86.8	87.1	87.8	88.0	88.7	89.5	91.0	92.8
75°	70.9	71.3	70.5	70.2	70.5	71.3	70.9	70.9	72.3	72.7	73.4
77.5°	52.3	50.8	51.7	50.8	51.7	50.8	52.3	53.8	54.3	55.9	55.9
80°	39.8	39.4	40.4	39.4	40.4	39.4	39.8	39.8	40.8	41.6	43.4
82.5°	31.5	31.1	31.6	30.8	31.6	31.1	31.5	31.1	31.7	32.6	32.4
85°	18.9	18.7	18.3	18.7	18.3	18.7	18.9	18.7	18.3	18.7	18.9
87.5°	9.0	8.8	8.8	8.9	8.8	8.8	9.0	8.6	8.8	8.7	8.6
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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	836.1	839.2	840.9	845.0	850.7	853.6	857.6	860.4	864.5	869.3	873.4
5°	781.9	790.6	796.3	805.2	813.5	821.7	832.1	839.6	849.6	861.1	870.1
7.5°	731.7	742.4	752.0	763.7	777.4	788.0	801.5	815.3	831.0	847.3	862.6
10°	699.6	710.4	722.2	736.9	750.5	764.8	780.9	797.0	816.7	835.0	855.7
12.5°	667.8	679.7	693.0	709.4	725.9	744.1	760.5	778.6	799.8	823.5	845.7
15°	628.4	639.8	654.1	668.1	687.1	707.1	729.0	753.0	776.6	803.1	830.7
17.5°	586.1	598.6	614.4	630.6	650.5	674.0	695.5	721.7	748.3	779.2	811.6
20°	558.6	571.5	590.0	607.9	626.2	649.1	674.6	701.4	729.7	762.2	798.4
22.5°	536.8	545.9	564.3	582.5	603.9	627.4	652.2	680.2	711.1	744.8	782.7
25°	504.4	515.2	528.5	547.4	569.7	594.4	619.4	649.1	682.8	717.2	757.6
27.5°	475.8	484.6	497.7	512.6	534.7	560.3	587.0	618.0	652.5	687.5	730.1
30°	455.4	465.1	477.6	493.4	511.0	538.9	566.1	596.5	631.6	667.8	711.4
32.5°	437.7	447.6	458.5	473.3	492.3	517.1	545.2	575.0	610.7	648.0	690.5
35°	412.8	419.6	429.6	444.3	463.0	483.0	511.6	543.2	577.9	616.5	659.1
37.5°	384.4	393.1	403.1	415.8	432.2	453.8	480.5	512.4	544.6	581.6	620.5
40°	367.7	376.0	387.0	396.3	413.6	433.2	457.6	490.9	523.1	557.8	593.2
42.5°	350.8	358.7	368.2	379.8	395.2	414.3	437.0	468.0	502.5	535.2	565.0
45°	324.4	332.6	341.6	352.3	366.6	385.2	407.8	436.1	466.2	496.2	518.8
47.5°	299.1	306.8	315.3	326.3	339.5	357.5	377.7	402.7	431.9	457.4	473.5
50°	281.1	288.2	297.6	308.3	321.1	338.0	357.3	382.0	406.4	429.6	444.3
52.5°	263.3	271.4	280.6	289.9	302.3	319.1	337.0	358.3	381.4	400.4	412.6
55°	236.7	244.2	252.8	262.4	274.7	289.0	307.9	324.7	343.0	359.1	366.3
57.5°	210.9	217.5	225.6	235.6	246.7	260.0	274.9	291.2	304.1	315.5	323.6
60°	194.1	199.8	207.3	215.9	227.7	239.9	253.4	268.5	278.5	288.2	295.8
62.5°	176.9	182.3	189.5	197.3	207.6	219.0	232.1	244.2	253.9	260.4	269.1
65°	151.1	156.5	162.6	170.8	179.0	188.3	200.1	209.1	215.9	223.1	228.5
67.5°	127.1	131.6	137.3	143.8	150.7	159.7	168.8	176.3	181.0	185.2	191.7
70°	111.3	114.9	119.6	124.6	132.1	141.1	148.3	153.9	157.2	161.5	169.4
72.5°	95.3	99.4	103.9	108.9	114.9	122.4	128.8	134.5	136.6	140.0	145.0
75°	75.2	77.4	81.0	84.5	88.8	95.2	101.3	102.7	104.5	107.4	111.0
77.5°	56.8	58.8	60.2	62.6	66.0	71.2	74.4	76.5	77.0	78.0	81.5
80°	45.1	46.2	47.6	49.4	50.8	55.1	56.9	59.1	59.8	60.9	62.7
82.5°	33.1	34.1	35.1	36.5	38.8	40.5	42.3	44.5	44.6	45.4	45.7
85°	19.3	19.7	18.9	19.7	20.1	20.7	22.5	24.3	24.0	23.7	24.7
87.5°	8.7	8.6	8.1	8.9	8.1	8.2	8.0	8.1	8.5	8.9	9.2
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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	876.5	879.1	882.8	887.1	890.5	894.3	896.3	896.3	898.0	901.7	906.5
5°	879.0	888.3	897.3	908.7	917.7	928.0	935.9	943.5	950.3	958.8	967.8
7.5°	878.3	893.7	909.8	927.9	947.8	963.7	979.9	992.7	1005.2	1021.7	1034.7
10°	875.4	895.5	917.3	940.2	965.3	987.1	1006.8	1024.7	1041.9	1059.8	1075.9
12.5°	870.2	895.8	922.5	950.0	981.7	1006.6	1032.0	1051.1	1071.1	1090.7	1110.6
15°	862.5	892.6	924.8	963.2	1001.8	1029.7	1054.8	1079.5	1098.2	1120.3	1139.3
17.5°	846.6	885.3	925.9	967.7	1004.8	1037.4	1063.6	1087.1	1106.9	1131.3	1157.2
20°	837.1	879.0	921.2	966.0	1001.5	1034.7	1060.2	1084.5	1109.2	1141.1	1172.6
22.5°	824.0	868.6	913.5	956.0	993.4	1025.6	1051.9	1081.7	1114.1	1150.3	1188.4
25°	803.1	849.3	893.7	934.2	970.6	1003.6	1039.4	1079.5	1118.9	1166.5	1221.3
27.5°	776.7	821.2	860.8	903.5	939.9	981.8	1026.4	1069.9	1126.7	1192.2	1260.7
30°	756.9	799.2	836.8	877.2	918.4	964.6	1014.7	1065.9	1133.6	1210.5	1291.8
32.5°	734.0	772.2	809.5	848.6	896.1	946.8	1000.1	1062.7	1143.6	1231.1	1315.3
35°	694.3	728.6	764.8	808.1	858.6	913.7	981.8	1058.0	1155.7	1249.9	1325.5
37.5°	652.6	679.7	716.0	761.7	816.7	880.5	957.7	1050.4	1150.8	1235.3	1267.4
40°	620.5	645.9	684.2	732.2	786.6	856.5	943.1	1038.3	1139.3	1198.0	1195.5
42.5°	588.7	614.4	651.3	699.6	756.3	834.4	923.6	1022.6	1107.8	1130.1	1083.5
45°	539.9	563.9	600.1	648.8	709.6	791.6	885.4	980.3	1034.7	998.6	906.3
47.5°	490.2	513.5	547.1	594.7	661.2	747.1	835.8	913.6	921.2	843.6	732.7
50°	457.6	479.4	511.3	562.1	626.6	710.4	796.0	857.1	838.2	743.3	629.1
52.5°	425.7	446.8	476.6	524.6	590.5	672.6	748.9	797.0	753.1	652.2	549.5
55°	378.8	398.9	429.0	473.0	532.7	607.9	675.0	692.5	628.0	526.3	443.3
57.5°	334.2	348.8	378.6	417.5	475.2	541.5	589.5	586.4	515.2	423.7	364.1
60°	304.7	317.9	346.2	382.0	436.8	496.2	529.9	515.6	443.7	368.1	310.8
62.5°	277.2	289.5	313.3	346.2	393.3	445.0	469.5	449.7	381.7	315.4	269.8
65°	235.6	244.6	263.5	294.0	330.8	366.6	388.5	359.5	299.4	249.2	214.8
67.5°	196.7	204.4	221.3	243.2	268.6	293.3	302.2	274.9	228.2	194.4	170.2
70°	171.5	178.7	190.1	210.6	227.3	244.9	249.2	224.9	185.9	160.0	145.0
72.5°	147.4	154.0	164.1	178.4	190.1	200.2	202.3	179.6	149.8	132.0	120.4
75°	112.4	118.2	124.6	130.0	137.5	139.3	138.6	121.0	104.9	93.1	86.6
77.5°	82.7	85.0	89.0	91.0	91.4	91.3	87.7	76.5	68.2	63.3	60.7
80°	63.7	65.5	66.6	67.3	67.7	64.1	60.1	53.3	50.5	47.6	44.4
82.5°	46.3	47.5	48.5	48.7	46.8	43.7	40.1	36.8	34.7	33.3	32.0
85°	25.1	25.4	25.1	23.3	20.7	19.7	18.9	18.3	17.9	17.5	17.5
87.5°	9.1	8.5	7.3	7.7	7.9	7.8	8.0	7.8	7.7	7.8	8.0
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: P333526-830

CATALOG NUMBER: S125RDIP-S610D590U830-4F0-1E-UDD-A

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



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	872.2	872.2	872.2	872.2	872.2	872.2	872.2
2.5°	910.3	910.3	915.2	914.8	918.0	916.9	917.5
5°	978.5	984.6	990.0	993.5	998.9	1000.4	999.7
7.5°	1049.3	1062.8	1069.4	1078.5	1080.1	1084.8	1084.3
10°	1093.1	1106.4	1116.3	1124.3	1128.2	1133.2	1133.6
12.5°	1127.5	1138.7	1147.6	1154.9	1159.7	1161.3	1162.2
15°	1154.3	1166.9	1177.2	1187.6	1193.7	1198.3	1200.9
17.5°	1181.4	1200.7	1219.1	1233.2	1241.6	1248.8	1248.7
20°	1202.3	1224.6	1247.5	1263.6	1280.0	1287.1	1288.3
22.5°	1224.6	1258.6	1288.1	1313.1	1334.7	1342.2	1344.9
25°	1271.0	1315.4	1360.9	1396.0	1421.1	1435.8	1437.9
27.5°	1327.1	1387.2	1435.0	1467.4	1488.3	1499.1	1501.5
30°	1366.7	1422.1	1465.1	1489.5	1499.1	1500.5	1495.2
32.5°	1384.4	1425.9	1443.0	1441.6	1422.7	1410.0	1405.2
35°	1362.7	1354.2	1312.2	1262.1	1223.8	1199.5	1193.0
37.5°	1240.1	1166.0	1088.9	1013.2	972.9	952.4	917.2
40°	1119.3	1013.6	933.4	869.7	824.3	787.7	779.1
42.5°	982.9	873.8	793.6	739.0	702.8	677.7	666.8
45°	789.9	696.1	629.8	587.9	560.0	541.7	533.5
47.5°	631.7	559.1	510.9	479.8	458.5	442.7	438.3
50°	545.0	486.9	446.1	420.0	403.9	391.7	386.7
52.5°	473.3	426.5	395.1	373.6	358.4	350.7	346.6
55°	390.6	350.2	327.6	310.4	301.8	295.8	292.8
57.5°	319.4	290.2	273.7	261.8	253.9	250.1	248.6
60°	279.7	256.7	241.7	232.3	227.0	222.0	220.6
62.5°	244.4	226.4	214.7	206.6	201.2	199.1	198.2
65°	196.9	185.1	176.5	171.5	167.2	166.5	166.2
67.5°	156.6	149.6	145.1	139.9	138.4	135.8	135.3
70°	133.9	129.2	123.9	122.1	120.3	117.8	118.2
72.5°	113.6	109.0	105.3	102.9	102.3	101.2	102.1
75°	83.0	81.6	80.2	78.4	77.7	77.7	77.4
77.5°	59.3	58.1	56.5	55.4	55.2	53.7	54.3
80°	43.0	41.2	40.4	40.8	39.8	39.4	39.4
82.5°	31.8	31.1	30.4	30.5	30.3	30.0	30.3
85°	17.5	17.2	17.2	16.9	16.9	16.5	16.5
87.5°	8.4	8.8	8.3	8.1	8.2	8.5	8.9
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



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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)