

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: P333527-840

Luminaire Tested: **S125RDIP-S610D590U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333527-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D590U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4488.5 lumens
Efficiency: N/A
Efficacy: 136.8 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

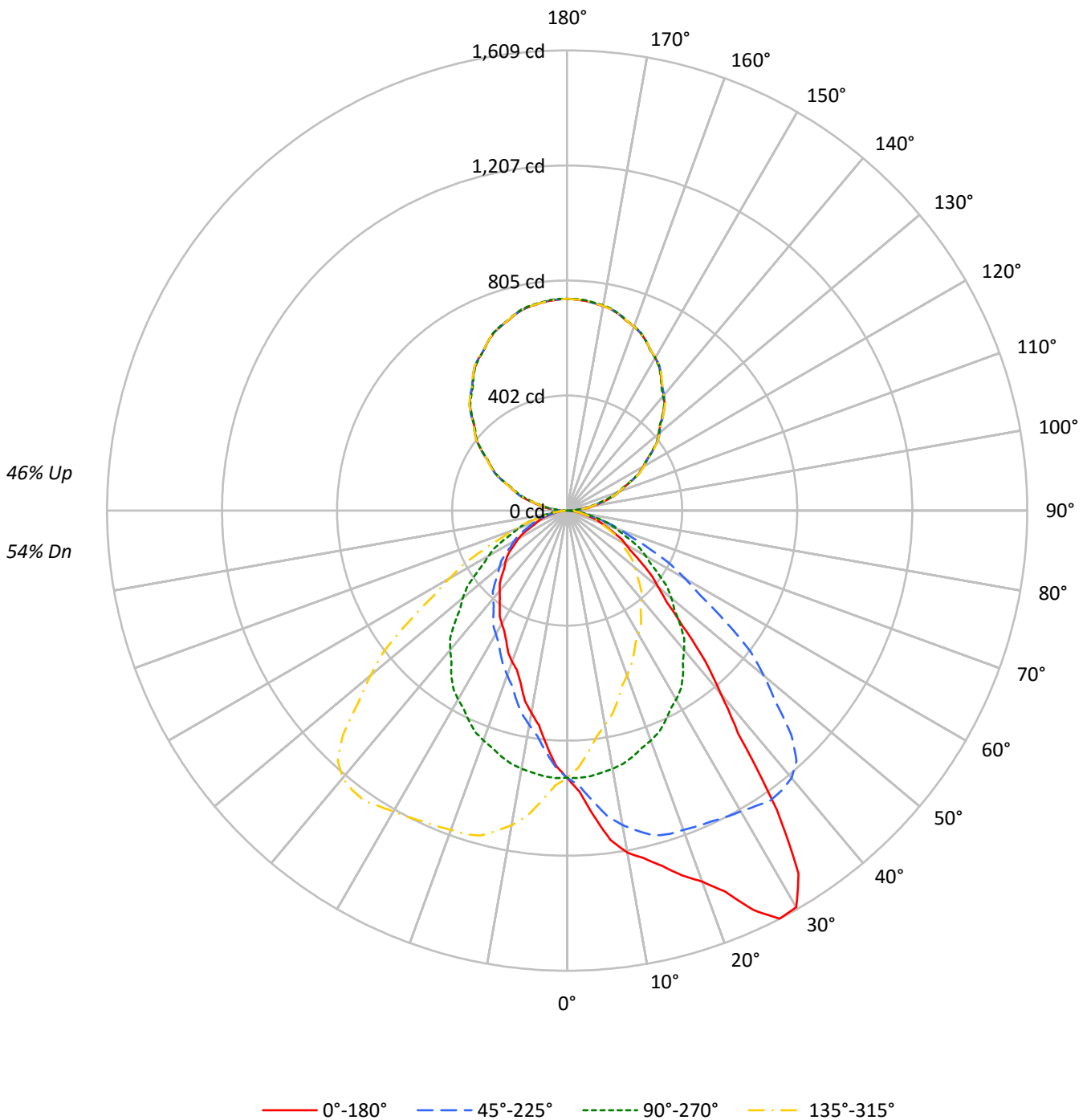
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	52	51	46
2	91	83	77	72	84	78	73	68	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	62	57	59	55	51	51	47	44	43	40	38	34
4	76	65	58	52	70	61	54	49	53	48	43	45	41	38	38	35	33	29
5	70	58	50	45	65	55	48	42	48	42	38	41	37	33	35	31	29	26
6	64	53	45	39	60	49	42	37	43	37	33	37	33	29	31	28	26	23
7	60	48	40	34	55	45	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	36	30	51	41	34	29	36	30	26	31	26	23	26	23	20	18
9	52	39	32	27	48	37	30	26	33	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6035	6035	6035	6035
5°	6944	6043	5337	6043
10°	7965	6013	4709	6013
15°	8603	5951	4186	5951
20°	9487	5880	3865	5880
25°	10979	5784	3587	5784
30°	11946	5684	3404	5684
35°	10078	5568	3236	5568
40°	7038	5359	3092	5359
45°	5221	5076	2951	5076
50°	4163	4784	2829	4784
55°	3533	4418	2721	4418
60°	3052	4093	2547	4093
65°	2720	3741	2193	3741
70°	2391	3427	1998	3427
75°	2069	2969	1876	2969
80°	1570	2499	1570	2499
85°	1312	1964	1482	1964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	2.0
10°-20°	262.6	5.9
20°-30°	416.4	9.3
30°-40°	502.1	11.2
40°-50°	448.4	10.0
50°-60°	343.9	7.7
60°-70°	223.5	5.0
70°-80°	108.6	2.4
80°-90°	27.6	0.6
90°-100°	49.6	1.1
100°-110°	146.4	3.3
110°-120°	248.0	5.5
120°-130°	326.4	7.3
130°-140°	365.7	8.1
140°-150°	358.4	8.0
150°-160°	301.1	6.7
160°-170°	200.1	4.5
170°-180°	70.0	1.6
0°-30°	768.6	17.1
0°-40°	1270.8	28.3
0°-60°	2063.1	46.0
0°-90°	2422.8	54.0
90°-120°	444.0	9.9
90°-150°	1494.5	33.3
90°-180°	2066.0	46.0
0°-180°	4488.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	934	934	934	934	934	
5°	1071	932	823	932	1071	107
15°	1287	890	626	890	1287	369
25°	1541	812	503	812	1541	707
35°	1278	706	410	706	1278	772
45°	572	556	323	556	572	456
55°	314	392	242	392	314	285
65°	178	245	144	245	178	177
75°	83	119	75	119	83	88
85°	18	26	20	26	18	21
90°	14	1	14	1	14	9
95°	50	38	50	38	50	50
105°	143	131	143	131	143	151
115°	251	248	251	248	251	248
125°	365	362	365	362	365	326
135°	473	471	473	471	473	365
145°	573	571	573	571	573	358
155°	653	653	653	653	653	301
165°	709	710	709	710	709	200
175°	736	738	736	738	736	70
180°	740	740	740	740	740	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	983.0	982.4	983.6	980.2	980.6	975.3	975.3	971.3	966.1	962.1	960.3
5°	1071.1	1071.9	1070.3	1064.5	1060.7	1054.9	1048.4	1036.9	1027.3	1018.1	1010.9
7.5°	1161.7	1162.3	1157.2	1155.5	1145.8	1138.7	1124.3	1108.6	1094.7	1077.0	1063.6
10°	1214.6	1214.2	1208.8	1204.6	1196.1	1185.4	1171.1	1152.8	1135.5	1116.3	1097.9
12.5°	1245.3	1244.3	1242.5	1237.4	1229.6	1220.0	1208.0	1189.9	1168.6	1147.6	1126.2
15°	1286.7	1283.9	1279.0	1272.4	1261.3	1250.2	1236.8	1220.7	1200.3	1176.6	1156.6
17.5°	1337.9	1338.0	1330.3	1321.3	1306.2	1286.5	1265.8	1239.8	1212.1	1186.0	1164.8
20°	1380.3	1379.1	1371.4	1353.8	1336.6	1312.0	1288.2	1256.4	1222.6	1188.4	1162.0
22.5°	1441.0	1438.0	1430.1	1406.8	1380.1	1348.5	1312.1	1273.2	1232.4	1193.7	1158.9
25°	1540.7	1538.3	1522.6	1495.7	1458.1	1409.4	1361.8	1308.5	1249.8	1198.8	1156.6
27.5°	1608.7	1606.2	1594.6	1572.3	1537.5	1486.3	1421.9	1350.7	1277.4	1207.2	1146.3
30°	1601.9	1607.7	1606.2	1595.9	1569.7	1523.7	1464.3	1384.1	1297.0	1214.6	1142.1
32.5°	1505.6	1510.8	1524.3	1544.6	1546.1	1527.7	1483.3	1409.3	1319.1	1225.3	1138.6
35°	1278.2	1285.2	1311.2	1352.2	1405.9	1450.9	1460.1	1420.2	1339.2	1238.3	1133.6
37.5°	982.7	1020.5	1042.4	1085.6	1166.7	1249.3	1328.7	1358.0	1323.5	1232.9	1125.4
40°	834.8	843.9	883.1	931.8	1000.1	1086.0	1199.2	1280.9	1283.5	1220.7	1112.5
42.5°	714.5	726.1	753.0	791.8	850.3	936.2	1053.1	1160.9	1210.8	1186.9	1095.6
45°	571.6	580.4	600.0	629.9	674.8	745.8	846.3	971.0	1070.0	1108.6	1050.4
47.5°	469.6	474.3	491.3	514.1	547.3	599.1	676.8	785.1	903.8	987.0	978.9
50°	414.3	419.7	432.7	450.0	478.0	521.7	583.9	674.0	796.4	898.1	918.4
52.5°	371.3	375.8	384.0	400.3	423.3	457.0	507.2	588.8	698.8	806.9	853.9
55°	313.8	316.9	323.4	332.5	351.0	375.2	418.5	474.9	563.9	672.9	741.9
57.5°	266.4	267.9	272.1	280.5	293.3	310.9	342.2	390.1	453.9	552.0	628.2
60°	236.3	237.8	243.2	248.9	258.9	275.1	299.6	333.0	394.4	475.3	552.4
62.5°	212.4	213.3	215.6	221.4	230.0	242.6	261.9	289.1	337.9	409.0	481.8
65°	178.0	178.3	179.2	183.8	189.1	198.3	211.0	230.1	267.0	320.7	385.2
67.5°	145.0	145.5	148.2	149.9	155.4	160.3	167.7	182.4	208.3	244.5	294.6
70°	126.6	126.2	128.9	130.8	132.7	138.5	143.5	155.3	171.5	199.1	241.0
72.5°	109.4	108.5	109.6	110.3	112.8	116.7	121.7	129.0	141.4	160.5	192.4
75°	82.9	83.2	83.2	84.0	85.9	87.5	89.0	92.8	99.8	112.4	129.7
77.5°	58.2	57.6	59.2	59.4	60.5	62.2	63.5	65.0	67.9	73.1	82.0
80°	42.2	42.2	42.6	43.7	43.3	44.1	46.0	47.6	51.0	54.1	57.2
82.5°	32.4	32.1	32.4	32.7	32.6	33.3	34.0	34.3	35.6	37.2	39.4
85°	17.7	17.7	18.1	18.1	18.4	18.4	18.8	18.8	18.8	19.2	19.6
87.5°	9.5	9.1	8.8	8.7	8.9	9.4	9.0	8.6	8.4	8.3	8.4
90°	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5	9.9	9.2	8.3
92.5°	27.2	26.9	26.7	26.4	26.1	25.5	24.6	23.8	22.9	22.1	21.0
95°	49.6	49.3	49.1	48.8	48.5	48.0	47.1	46.2	45.2	44.3	43.1
97.5°	75.1	74.9	74.8	74.6	74.5	74.0	73.2	72.3	71.5	70.6	68.9
100°	94.5	94.2	94.0	93.7	93.4	92.7	91.6	90.5	89.3	88.2	86.4
102.5°	113.8	113.5	113.1	112.8	112.4	111.6	110.4	109.1	107.9	106.5	105.7
105°	142.9	142.5	142.1	141.7	141.4	140.8	140.0	139.3	138.5	137.6	136.9
107.5°	172.6	172.6	172.7	172.7	172.7	172.5	172.2	171.8	171.4	171.0	170.4
110°	194.7	194.8	195.0	195.1	195.2	195.1	194.7	194.3	194.0	193.6	193.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	216.4	216.6	216.8	217.1	217.3	217.3	217.1	217.0	216.8	216.6	216.1
115°	250.6	250.7	250.9	251.0	251.2	251.3	251.4	251.5	251.7	251.8	251.5
117.5°	284.0	284.6	285.1	285.6	286.1	286.3	286.2	286.1	286.0	285.9	285.6
120°	307.1	307.6	308.1	308.6	309.1	309.3	309.3	309.3	309.3	309.3	309.2
122.5°	330.1	330.5	330.9	331.3	331.7	332.0	332.1	332.2	332.3	332.4	332.0
125°	364.7	364.8	365.0	365.1	365.2	365.4	365.7	365.9	366.2	366.4	366.3
127.5°	397.9	398.1	398.4	398.6	398.9	399.1	399.2	399.3	399.5	399.6	399.4
130°	420.0	420.2	420.5	420.7	421.0	421.2	421.3	421.4	421.6	421.7	421.4
132.5°	440.7	441.1	441.4	441.8	442.1	442.4	442.5	442.6	442.8	442.9	442.9
135°	473.0	473.5	474.0	474.5	475.0	475.2	475.2	475.2	475.2	475.2	475.1
137.5°	504.5	505.2	505.8	506.4	507.2	507.4	507.2	507.1	506.9	506.8	506.4
140°	524.8	525.4	526.1	526.7	527.4	527.6	527.4	527.0	526.8	526.5	526.1
142.5°	544.2	544.8	545.4	546.1	546.7	546.9	546.8	546.6	546.5	546.3	545.9
145°	573.2	573.6	574.0	574.4	574.7	574.9	574.9	574.9	574.9	574.9	574.6
147.5°	598.0	598.8	599.8	600.6	601.5	601.8	601.5	601.2	600.9	600.6	600.3
150°	616.4	616.7	616.9	617.2	617.4	617.5	617.5	617.5	617.5	617.5	617.0
152.5°	631.7	632.1	632.6	633.0	633.5	633.6	633.3	633.0	632.7	632.4	632.1
155°	653.3	653.9	654.6	655.2	655.9	655.9	655.4	654.9	654.4	653.9	653.8
157.5°	671.4	672.3	673.1	673.9	674.8	674.9	674.4	673.9	673.4	672.9	672.8
160°	683.9	684.5	685.1	685.8	686.4	686.4	685.9	685.4	684.9	684.4	684.3
162.5°	694.4	695.2	695.9	696.7	697.4	697.5	696.8	696.2	695.6	695.0	695.0
165°	708.6	709.3	710.1	710.9	711.7	711.9	711.2	710.7	710.2	709.7	709.6
167.5°	719.9	720.6	721.4	722.3	723.1	723.1	722.4	721.5	720.7	720.0	720.0
170°	725.9	726.8	727.7	728.6	729.4	729.5	728.7	728.0	727.2	726.5	726.5
172.5°	730.9	731.7	732.6	733.4	734.2	734.2	733.4	732.7	731.8	731.0	731.0
175°	735.7	736.6	737.5	738.4	739.2	739.3	738.5	737.8	737.0	736.3	736.3
177.5°	738.4	739.1	739.9	740.6	741.3	741.3	740.7	740.1	739.5	738.9	739.0
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	960.3	958.2	954.1	950.5	945.8	941.9	939.1	935.7	931.4	926.2	921.9
5°	1002.8	994.3	983.2	973.6	961.4	951.8	941.8	932.2	922.6	910.3	899.6
7.5°	1049.9	1032.5	1015.5	994.2	974.8	957.6	941.0	924.2	907.8	890.4	873.5
10°	1078.7	1057.6	1034.2	1007.3	982.8	959.5	938.0	916.9	894.6	875.0	853.9
12.5°	1105.7	1078.5	1051.8	1017.8	988.4	959.8	932.4	906.2	882.3	857.0	834.2
15°	1130.1	1103.3	1073.4	1032.0	990.9	956.3	924.1	890.0	860.5	832.0	806.8
17.5°	1139.5	1111.5	1076.6	1036.8	992.0	948.6	907.1	869.6	834.9	801.7	773.3
20°	1135.9	1108.6	1073.0	1035.0	987.0	941.8	896.9	855.5	816.7	781.8	751.5
22.5°	1127.0	1098.8	1064.4	1024.3	978.8	930.7	882.8	838.6	798.0	761.8	728.8
25°	1113.7	1075.3	1040.0	1000.9	957.6	910.0	860.5	811.7	768.4	731.5	695.5
27.5°	1099.7	1051.9	1007.0	968.1	922.3	879.9	832.1	782.2	736.6	699.1	662.2
30°	1087.2	1033.5	984.0	939.9	896.6	856.3	810.9	762.2	715.5	676.7	639.1
32.5°	1071.6	1014.4	960.1	909.2	867.4	827.4	786.4	739.8	694.3	654.3	616.1
35°	1051.9	979.0	919.9	865.9	819.4	780.6	743.9	706.2	660.6	619.1	582.0
37.5°	1026.1	943.4	875.0	816.1	767.2	728.2	699.2	664.8	623.2	583.5	549.0
40°	1010.5	917.7	842.8	784.5	733.1	692.1	664.8	635.6	597.6	560.5	525.9
42.5°	989.6	894.0	810.3	749.5	697.8	658.3	630.8	605.3	573.4	538.4	501.4
45°	948.7	848.2	760.3	695.1	643.0	604.2	578.5	555.8	531.7	499.5	467.3
47.5°	895.4	800.4	708.4	637.2	586.1	550.2	525.2	507.4	490.1	462.7	431.4
50°	852.8	761.1	671.4	602.3	547.9	513.6	490.3	476.1	460.3	435.5	409.3
52.5°	802.4	720.6	632.7	562.1	510.7	478.7	456.2	442.0	429.0	408.7	383.8
55°	723.2	651.4	570.8	506.8	459.6	427.4	405.9	392.4	384.8	367.5	347.9
57.5°	631.6	580.2	509.2	447.4	405.7	373.8	358.1	346.7	338.0	325.8	311.9
60°	567.7	531.7	468.0	409.3	370.9	340.6	326.5	316.9	308.8	298.4	287.7
62.5°	503.0	476.8	421.4	370.9	335.7	310.2	297.0	288.3	279.0	272.1	261.7
65°	416.3	392.8	354.5	315.0	282.4	262.1	252.5	244.8	239.0	231.4	224.0
67.5°	323.8	314.3	287.8	260.5	237.1	219.0	210.8	205.4	198.4	193.9	188.8
70°	267.0	262.4	243.6	225.6	203.7	191.5	183.8	181.5	173.0	168.4	164.9
72.5°	216.7	214.5	203.7	191.2	175.8	165.0	157.9	155.3	150.0	146.3	144.1
75°	148.5	149.3	147.3	139.3	133.5	126.6	120.5	119.0	115.1	112.0	110.1
77.5°	93.9	97.9	98.0	97.6	95.3	91.1	88.6	87.4	83.6	82.5	82.0
80°	64.4	68.7	72.5	72.1	71.4	70.2	68.3	67.2	65.2	64.0	63.3
82.5°	42.9	46.9	50.1	52.2	52.0	50.9	49.6	49.0	48.7	47.8	47.7
85°	20.3	21.1	22.2	24.9	26.9	27.3	26.9	26.5	25.3	25.8	26.1
87.5°	8.6	8.4	8.5	8.3	7.8	9.1	9.8	9.9	9.5	9.1	8.7
90°	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	19.9	18.8	17.7	16.8	16.1	15.3	14.6	13.9	14.6	15.3	16.1
95°	41.8	40.5	39.3	38.5	38.2	38.0	37.7	37.5	37.7	38.0	38.2
97.5°	67.1	65.3	63.5	62.6	62.5	62.4	62.3	62.2	62.3	62.4	62.5
100°	84.8	83.1	81.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
102.5°	104.9	104.0	103.2	102.5	102.0	101.5	101.0	100.5	101.0	101.5	102.0
105°	136.1	135.4	134.6	133.9	133.3	132.6	132.0	131.4	132.0	132.6	133.3
107.5°	169.8	169.3	168.6	168.0	167.3	166.7	166.1	165.4	166.1	166.7	167.3
110°	192.8	192.4	192.1	191.6	190.9	190.3	189.6	188.9	189.6	190.3	190.9



TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	215.6	215.2	214.7	214.3	213.9	213.6	213.3	212.9	213.3	213.6	213.9
115°	251.3	251.0	250.7	250.3	249.8	249.3	248.8	248.3	248.8	249.3	249.8
117.5°	285.4	285.2	285.0	284.7	284.5	284.3	284.0	283.8	284.0	284.3	284.5
120°	309.1	309.0	308.8	308.5	307.8	307.2	306.6	305.9	306.6	307.2	307.8
122.5°	331.7	331.4	331.0	330.8	330.5	330.3	330.1	329.9	330.1	330.3	330.5
125°	366.2	366.0	365.9	365.5	364.7	363.9	363.1	362.3	363.1	363.9	364.7
127.5°	399.3	399.1	399.0	398.7	398.2	397.8	397.4	397.0	397.4	397.8	398.2
130°	421.2	420.9	420.7	420.2	419.6	419.0	418.3	417.7	418.3	419.0	419.6
132.5°	443.0	443.0	443.1	442.6	441.5	440.5	439.5	438.4	439.5	440.5	441.5
135°	475.0	474.9	474.7	474.3	473.5	472.8	472.0	471.2	472.0	472.8	473.5
137.5°	506.1	505.9	505.6	505.1	504.3	503.6	502.9	502.1	502.9	503.6	504.3
140°	525.8	525.4	525.0	524.5	523.8	523.2	522.6	521.9	522.6	523.2	523.8
142.5°	545.4	544.9	544.4	543.9	543.4	542.8	542.3	541.8	542.3	542.8	543.4
145°	574.2	573.8	573.4	573.0	572.5	572.0	571.4	570.9	571.4	572.0	572.5
147.5°	600.0	599.6	599.3	599.1	598.7	598.4	598.1	597.8	598.1	598.4	598.7
150°	616.5	616.0	615.5	615.3	615.5	615.6	615.7	615.8	615.7	615.6	615.5
152.5°	631.9	631.7	631.5	631.3	631.2	631.0	630.8	630.6	630.8	631.0	631.2
155°	653.6	653.5	653.4	653.3	653.3	653.3	653.3	653.3	653.3	653.3	653.3
157.5°	672.7	672.5	672.4	672.5	672.8	673.0	673.3	673.6	673.3	673.0	672.8
160°	684.2	684.0	683.9	684.0	684.4	684.8	685.2	685.6	685.2	684.8	684.4
162.5°	695.0	694.9	694.9	695.0	695.3	695.6	695.9	696.2	695.9	695.6	695.3
165°	709.5	709.3	709.2	709.3	709.5	709.8	710.0	710.3	710.0	709.8	709.5
167.5°	720.0	720.0	720.0	720.2	720.7	721.2	721.9	722.4	721.9	721.2	720.7
170°	726.5	726.5	726.5	726.7	727.2	727.7	728.2	728.7	728.2	727.7	727.2
172.5°	731.0	731.0	731.0	731.3	731.8	732.4	732.9	733.4	732.9	732.4	731.8
175°	736.3	736.3	736.3	736.5	737.0	737.5	738.0	738.5	738.0	737.5	737.0
177.5°	739.1	739.2	739.3	739.5	740.0	740.4	740.8	741.2	740.8	740.4	740.0
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	918.9	914.5	911.5	905.3	901.0	899.2	895.9	894.9	898.3	895.9	895.5
5°	891.5	880.4	871.6	862.7	853.1	847.1	837.8	836.3	833.9	830.5	829.8
7.5°	858.8	844.2	832.9	818.3	805.7	795.5	784.0	778.5	775.5	771.0	765.1
10°	836.7	819.4	804.1	789.5	773.8	761.1	749.6	740.7	735.0	729.6	727.3
12.5°	814.9	797.3	777.7	760.0	742.5	728.2	715.5	709.7	703.4	697.1	691.8
15°	781.0	757.6	736.2	715.8	700.8	685.5	673.3	664.8	655.2	652.6	642.2
17.5°	745.2	722.2	697.0	675.6	658.3	641.4	627.9	618.3	611.1	601.2	596.4
20°	722.8	695.5	671.0	651.4	632.2	612.3	598.4	590.4	583.5	575.4	571.6
22.5°	698.8	672.2	647.0	624.1	604.6	584.9	575.1	566.7	559.0	551.5	546.4
25°	663.7	636.8	610.4	586.5	566.2	552.0	540.5	530.9	526.7	519.4	514.0
27.5°	628.9	600.4	572.9	549.2	533.2	519.2	509.8	502.2	494.5	488.2	483.5
30°	606.5	577.3	547.4	528.7	511.7	498.4	488.0	480.7	474.9	469.2	465.7
32.5°	584.1	554.0	527.5	507.2	491.2	479.6	469.0	461.9	455.9	449.5	445.5
35°	548.2	517.5	496.0	476.1	460.3	449.6	442.3	432.3	427.4	422.7	418.5
37.5°	514.8	486.3	463.0	445.6	431.9	421.2	411.8	406.4	400.3	396.2	392.6
40°	490.3	464.1	443.1	424.6	414.7	402.8	393.9	387.1	382.4	377.1	373.2
42.5°	468.2	443.9	423.4	406.9	394.5	384.4	375.9	369.0	363.1	359.3	356.1
45°	437.0	412.7	392.8	377.5	366.0	356.4	347.6	344.1	336.4	331.8	330.3
47.5°	404.7	383.0	363.8	349.6	337.8	328.7	320.4	313.5	309.2	304.7	302.3
50°	382.8	362.1	344.1	330.3	318.8	308.8	301.1	296.5	290.7	286.6	283.5
52.5°	361.0	341.8	323.9	310.6	300.6	290.7	282.2	277.5	272.1	269.3	267.2
55°	329.9	309.6	294.3	281.1	270.8	261.7	253.6	248.9	245.5	242.9	242.1
57.5°	294.6	278.5	264.3	252.5	241.8	233.1	226.0	221.7	218.6	218.2	215.9
60°	271.6	257.0	244.0	231.4	222.1	214.1	207.9	203.0	199.9	199.4	198.7
62.5°	248.6	234.6	222.5	211.4	203.1	195.3	189.6	183.9	182.1	180.2	178.4
65°	214.4	201.8	191.8	183.0	174.2	167.6	161.9	158.4	154.2	151.9	147.7
67.5°	180.9	171.1	161.5	154.1	147.1	141.0	136.2	131.1	128.3	126.3	123.3
70°	158.9	151.2	141.6	133.5	128.2	123.1	119.3	113.5	111.6	110.1	108.6
72.5°	137.9	131.2	123.1	116.6	111.3	106.5	102.1	99.5	97.6	95.9	95.0
75°	108.6	102.0	95.1	90.5	86.7	82.9	80.6	78.7	77.9	77.5	75.9
77.5°	79.7	76.2	70.7	67.1	64.5	63.0	60.9	59.9	59.9	58.2	57.7
80°	61.0	59.1	54.4	52.9	51.0	49.5	48.4	46.5	44.5	43.7	42.6
82.5°	45.3	43.4	41.6	39.1	37.6	36.6	35.4	34.7	34.9	33.9	33.3
85°	24.1	22.2	21.5	21.1	20.3	21.1	20.7	20.3	20.0	19.6	20.0
87.5°	8.6	8.8	8.7	9.5	8.7	9.2	9.3	9.2	9.3	9.4	9.2
90°	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5	11.1	11.8	12.3
92.5°	16.8	17.7	18.8	19.9	21.0	22.1	22.9	23.8	24.6	25.5	26.1
95°	38.5	39.3	40.5	41.8	43.1	44.3	45.2	46.2	47.1	48.0	48.5
97.5°	62.6	63.5	65.3	67.1	68.9	70.6	71.5	72.3	73.2	74.0	74.5
100°	80.7	81.5	83.1	84.8	86.4	88.2	89.3	90.5	91.6	92.7	93.4
102.5°	102.5	103.2	104.0	104.9	105.7	106.5	107.9	109.1	110.4	111.6	112.4
105°	133.9	134.6	135.4	136.1	136.9	137.6	138.5	139.3	140.0	140.8	141.4
107.5°	168.0	168.6	169.3	169.8	170.4	171.0	171.4	171.8	172.2	172.5	172.7
110°	191.6	192.1	192.4	192.8	193.2	193.6	194.0	194.3	194.7	195.1	195.2



TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	214.3	214.7	215.2	215.6	216.1	216.6	216.8	217.0	217.1	217.3	217.3
115°	250.3	250.7	251.0	251.3	251.5	251.8	251.7	251.5	251.4	251.3	251.2
117.5°	284.7	285.0	285.2	285.4	285.6	285.9	286.0	286.1	286.2	286.3	286.1
120°	308.5	308.8	309.0	309.1	309.2	309.3	309.3	309.3	309.3	309.3	309.1
122.5°	330.8	331.0	331.4	331.7	332.0	332.4	332.3	332.2	332.1	332.0	331.7
125°	365.5	365.9	366.0	366.2	366.3	366.4	366.2	365.9	365.7	365.4	365.2
127.5°	398.7	399.0	399.1	399.3	399.4	399.6	399.5	399.3	399.2	399.1	398.9
130°	420.2	420.7	420.9	421.2	421.4	421.7	421.6	421.4	421.3	421.2	421.0
132.5°	442.6	443.1	443.0	443.0	442.9	442.9	442.8	442.6	442.5	442.4	442.1
135°	474.3	474.7	474.9	475.0	475.1	475.2	475.2	475.2	475.2	475.2	475.0
137.5°	505.1	505.6	505.9	506.1	506.4	506.8	506.9	507.1	507.2	507.4	507.2
140°	524.5	525.0	525.4	525.8	526.1	526.5	526.8	527.0	527.4	527.6	527.4
142.5°	543.9	544.4	544.9	545.4	545.9	546.3	546.5	546.6	546.8	546.9	546.7
145°	573.0	573.4	573.8	574.2	574.6	574.9	574.9	574.9	574.9	574.9	574.7
147.5°	599.1	599.3	599.6	600.0	600.3	600.6	600.9	601.2	601.5	601.8	601.5
150°	615.3	615.5	616.0	616.5	617.0	617.5	617.5	617.5	617.5	617.5	617.4
152.5°	631.3	631.5	631.7	631.9	632.1	632.4	632.7	633.0	633.3	633.6	633.5
155°	653.3	653.4	653.5	653.6	653.8	653.9	654.4	654.9	655.4	655.9	655.9
157.5°	672.5	672.4	672.5	672.7	672.8	672.9	673.4	673.9	674.4	674.9	674.8
160°	684.0	683.9	684.0	684.2	684.3	684.4	684.9	685.4	685.9	686.4	686.4
162.5°	695.0	694.9	694.9	695.0	695.0	695.0	695.6	696.2	696.8	697.5	697.4
165°	709.3	709.2	709.3	709.5	709.6	709.7	710.2	710.7	711.2	711.9	711.7
167.5°	720.2	720.0	720.0	720.0	720.0	720.0	720.7	721.5	722.4	723.1	723.1
170°	726.7	726.5	726.5	726.5	726.5	726.5	727.2	728.0	728.7	729.5	729.4
172.5°	731.3	731.0	731.0	731.0	731.0	731.0	731.8	732.7	733.4	734.2	734.2
175°	736.5	736.3	736.3	736.3	736.3	736.3	737.0	737.8	738.5	739.3	739.2
177.5°	739.5	739.3	739.2	739.1	739.0	738.9	739.5	740.1	740.7	741.3	741.3
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.2	891.8	890.9	892.1	890.9	891.8	895.2	895.5	895.9	898.3	894.9
5°	826.0	822.1	824.0	823.2	824.0	822.1	826.0	829.8	830.5	833.9	836.3
7.5°	765.0	760.2	755.2	756.8	755.2	760.2	765.0	765.1	771.0	775.5	778.5
10°	722.4	718.5	716.2	718.1	716.2	718.5	722.4	727.3	729.6	735.0	740.7
12.5°	686.4	684.2	682.2	681.4	682.2	684.2	686.4	691.8	697.1	703.4	709.7
15°	637.5	633.0	631.1	626.1	631.1	633.0	637.5	642.2	652.6	655.2	664.8
17.5°	592.5	591.0	586.0	583.9	586.0	591.0	592.5	596.4	601.2	611.1	618.3
20°	565.8	564.3	559.4	562.4	559.4	564.3	565.8	571.6	575.4	583.5	590.4
22.5°	543.7	540.4	538.8	537.9	538.8	540.4	543.7	546.4	551.5	559.0	566.7
25°	512.5	507.6	505.6	503.3	505.6	507.6	512.5	514.0	519.4	526.7	530.9
27.5°	481.4	478.7	476.2	475.5	476.2	478.7	481.4	483.5	488.2	494.5	502.2
30°	461.1	458.4	456.5	456.5	456.5	458.4	461.1	465.7	469.2	474.9	480.7
32.5°	443.0	440.9	439.0	438.7	439.0	440.9	443.0	445.5	449.5	455.9	461.9
35°	416.6	413.5	412.7	410.5	412.7	413.5	416.6	418.5	422.7	427.4	432.3
37.5°	389.2	386.7	386.6	386.4	386.6	386.7	389.2	392.6	396.2	400.3	406.4
40°	371.7	369.8	369.4	366.8	369.4	369.8	371.7	373.2	377.1	382.4	387.1
42.5°	353.0	352.0	350.7	349.5	350.7	352.0	353.0	356.1	359.3	363.1	369.0
45°	327.6	325.0	325.0	323.1	325.0	325.0	327.6	330.3	331.8	336.4	344.1
47.5°	301.3	299.3	299.5	297.5	299.5	299.3	301.3	302.3	304.7	309.2	313.5
50°	283.9	282.8	282.4	281.6	282.4	282.8	283.9	283.5	286.6	290.7	296.5
52.5°	266.4	265.9	267.3	265.6	267.3	265.9	266.4	267.2	269.3	272.1	277.5
55°	242.9	241.7	244.0	241.7	244.0	241.7	242.9	242.1	242.9	245.5	248.9
57.5°	215.7	214.7	216.7	215.6	216.7	214.7	215.7	215.9	218.2	218.6	221.7
60°	197.9	195.6	196.8	197.2	196.8	195.6	197.9	198.7	199.4	199.9	203.0
62.5°	176.7	175.4	176.2	174.5	176.2	175.4	176.7	178.4	180.2	182.1	183.9
65°	146.9	145.8	144.2	143.5	144.2	145.8	146.9	147.7	151.9	154.2	158.4
67.5°	123.4	120.7	120.6	121.2	120.6	120.7	123.4	123.3	126.3	128.3	131.1
70°	106.2	106.2	105.8	105.8	105.8	106.2	106.2	108.6	110.1	111.6	113.5
72.5°	94.3	94.0	93.3	93.0	93.3	94.0	94.3	95.0	95.9	97.6	99.5
75°	75.9	76.3	75.5	75.2	75.5	76.3	75.9	75.9	77.5	77.9	78.7
77.5°	56.0	54.4	55.3	54.4	55.3	54.4	56.0	57.7	58.2	59.9	59.9
80°	42.6	42.2	43.3	42.2	43.3	42.2	42.6	42.6	43.7	44.5	46.5
82.5°	33.7	33.3	33.8	33.0	33.8	33.3	33.7	33.3	33.9	34.9	34.7
85°	20.3	20.0	19.6	20.0	19.6	20.0	20.3	20.0	19.6	20.0	20.3
87.5°	9.6	9.4	9.4	9.5	9.4	9.4	9.6	9.2	9.4	9.3	9.2
90°	12.7	13.0	13.4	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5
92.5°	26.4	26.7	26.9	27.2	26.9	26.7	26.4	26.1	25.5	24.6	23.8
95°	48.8	49.1	49.3	49.6	49.3	49.1	48.8	48.5	48.0	47.1	46.2
97.5°	74.6	74.8	74.9	75.1	74.9	74.8	74.6	74.5	74.0	73.2	72.3
100°	93.7	94.0	94.2	94.5	94.2	94.0	93.7	93.4	92.7	91.6	90.5
102.5°	112.8	113.1	113.5	113.8	113.5	113.1	112.8	112.4	111.6	110.4	109.1
105°	141.7	142.1	142.5	142.9	142.5	142.1	141.7	141.4	140.8	140.0	139.3
107.5°	172.7	172.7	172.6	172.6	172.6	172.7	172.7	172.7	172.5	172.2	171.8
110°	195.1	195.0	194.8	194.7	194.8	195.0	195.1	195.2	195.1	194.7	194.3



TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	217.1	216.8	216.6	216.4	216.6	216.8	217.1	217.3	217.3	217.1	217.0
115°	251.0	250.9	250.7	250.6	250.7	250.9	251.0	251.2	251.3	251.4	251.5
117.5°	285.6	285.1	284.6	284.0	284.6	285.1	285.6	286.1	286.3	286.2	286.1
120°	308.6	308.1	307.6	307.1	307.6	308.1	308.6	309.1	309.3	309.3	309.3
122.5°	331.3	330.9	330.5	330.1	330.5	330.9	331.3	331.7	332.0	332.1	332.2
125°	365.1	365.0	364.8	364.7	364.8	365.0	365.1	365.2	365.4	365.7	365.9
127.5°	398.6	398.4	398.1	397.9	398.1	398.4	398.6	398.9	399.1	399.2	399.3
130°	420.7	420.5	420.2	420.0	420.2	420.5	420.7	421.0	421.2	421.3	421.4
132.5°	441.8	441.4	441.1	440.7	441.1	441.4	441.8	442.1	442.4	442.5	442.6
135°	474.5	474.0	473.5	473.0	473.5	474.0	474.5	475.0	475.2	475.2	475.2
137.5°	506.4	505.8	505.2	504.5	505.2	505.8	506.4	507.2	507.4	507.2	507.1
140°	526.7	526.1	525.4	524.8	525.4	526.1	526.7	527.4	527.6	527.4	527.0
142.5°	546.1	545.4	544.8	544.2	544.8	545.4	546.1	546.7	546.9	546.8	546.6
145°	574.4	574.0	573.6	573.2	573.6	574.0	574.4	574.7	574.9	574.9	574.9
147.5°	600.6	599.8	598.8	598.0	598.8	599.8	600.6	601.5	601.8	601.5	601.2
150°	617.2	616.9	616.7	616.4	616.7	616.9	617.2	617.4	617.5	617.5	617.5
152.5°	633.0	632.6	632.1	631.7	632.1	632.6	633.0	633.5	633.6	633.3	633.0
155°	655.2	654.6	653.9	653.3	653.9	654.6	655.2	655.9	655.9	655.4	654.9
157.5°	673.9	673.1	672.3	671.4	672.3	673.1	673.9	674.8	674.9	674.4	673.9
160°	685.8	685.1	684.5	683.9	684.5	685.1	685.8	686.4	686.4	685.9	685.4
162.5°	696.7	695.9	695.2	694.4	695.2	695.9	696.7	697.4	697.5	696.8	696.2
165°	710.9	710.1	709.3	708.6	709.3	710.1	710.9	711.7	711.9	711.2	710.7
167.5°	722.3	721.4	720.6	719.9	720.6	721.4	722.3	723.1	723.1	722.4	721.5
170°	728.6	727.7	726.8	725.9	726.8	727.7	728.6	729.4	729.5	728.7	728.0
172.5°	733.4	732.6	731.7	730.9	731.7	732.6	733.4	734.2	734.2	733.4	732.7
175°	738.4	737.5	736.6	735.7	736.6	737.5	738.4	739.2	739.3	738.5	737.8
177.5°	740.6	739.9	739.1	738.4	739.1	739.9	740.6	741.3	741.3	740.7	740.1
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	895.9	899.2	901.0	905.3	911.5	914.5	918.9	921.9	926.2	931.4	935.7
5°	837.8	847.1	853.1	862.7	871.6	880.4	891.5	899.6	910.3	922.6	932.2
7.5°	784.0	795.5	805.7	818.3	832.9	844.2	858.8	873.5	890.4	907.8	924.2
10°	749.6	761.1	773.8	789.5	804.1	819.4	836.7	853.9	875.0	894.6	916.9
12.5°	715.5	728.2	742.5	760.0	777.7	797.3	814.9	834.2	857.0	882.3	906.2
15°	673.3	685.5	700.8	715.8	736.2	757.6	781.0	806.8	832.0	860.5	890.0
17.5°	627.9	641.4	658.3	675.6	697.0	722.2	745.2	773.3	801.7	834.9	869.6
20°	598.4	612.3	632.2	651.4	671.0	695.5	722.8	751.5	781.8	816.7	855.5
22.5°	575.1	584.9	604.6	624.1	647.0	672.2	698.8	728.8	761.8	798.0	838.6
25°	540.5	552.0	566.2	586.5	610.4	636.8	663.7	695.5	731.5	768.4	811.7
27.5°	509.8	519.2	533.2	549.2	572.9	600.4	628.9	662.2	699.1	736.6	782.2
30°	488.0	498.4	511.7	528.7	547.4	577.3	606.5	639.1	676.7	715.5	762.2
32.5°	469.0	479.6	491.2	507.2	527.5	554.0	584.1	616.1	654.3	694.3	739.8
35°	442.3	449.6	460.3	476.1	496.0	517.5	548.2	582.0	619.1	660.6	706.2
37.5°	411.8	421.2	431.9	445.6	463.0	486.3	514.8	549.0	583.5	623.2	664.8
40°	393.9	402.8	414.7	424.6	443.1	464.1	490.3	525.9	560.5	597.6	635.6
42.5°	375.9	384.4	394.5	406.9	423.4	443.9	468.2	501.4	538.4	573.4	605.3
45°	347.6	356.4	366.0	377.5	392.8	412.7	437.0	467.3	499.5	531.7	555.8
47.5°	320.4	328.7	337.8	349.6	363.8	383.0	404.7	431.4	462.7	490.1	507.4
50°	301.1	308.8	318.8	330.3	344.1	362.1	382.8	409.3	435.5	460.3	476.1
52.5°	282.2	290.7	300.6	310.6	323.9	341.8	361.0	383.8	408.7	429.0	442.0
55°	253.6	261.7	270.8	281.1	294.3	309.6	329.9	347.9	367.5	384.8	392.4
57.5°	226.0	233.1	241.8	252.5	264.3	278.5	294.6	311.9	325.8	338.0	346.7
60°	207.9	214.1	222.1	231.4	244.0	257.0	271.6	287.7	298.4	308.8	316.9
62.5°	189.6	195.3	203.1	211.4	222.5	234.6	248.6	261.7	272.1	279.0	288.3
65°	161.9	167.6	174.2	183.0	191.8	201.8	214.4	224.0	231.4	239.0	244.8
67.5°	136.2	141.0	147.1	154.1	161.5	171.1	180.9	188.8	193.9	198.4	205.4
70°	119.3	123.1	128.2	133.5	141.6	151.2	158.9	164.9	168.4	173.0	181.5
72.5°	102.1	106.5	111.3	116.6	123.1	131.2	137.9	144.1	146.3	150.0	155.3
75°	80.6	82.9	86.7	90.5	95.1	102.0	108.6	110.1	112.0	115.1	119.0
77.5°	60.9	63.0	64.5	67.1	70.7	76.2	79.7	82.0	82.5	83.6	87.4
80°	48.4	49.5	51.0	52.9	54.4	59.1	61.0	63.3	64.0	65.2	67.2
82.5°	35.4	36.6	37.6	39.1	41.6	43.4	45.3	47.7	47.8	48.7	49.0
85°	20.7	21.1	20.3	21.1	21.5	22.2	24.1	26.1	25.8	25.3	26.5
87.5°	9.3	9.2	8.7	9.5	8.7	8.8	8.6	8.7	9.1	9.5	9.9
90°	9.9	9.2	8.3	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6
92.5°	22.9	22.1	21.0	19.9	18.8	17.7	16.8	16.1	15.3	14.6	13.9
95°	45.2	44.3	43.1	41.8	40.5	39.3	38.5	38.2	38.0	37.7	37.5
97.5°	71.5	70.6	68.9	67.1	65.3	63.5	62.6	62.5	62.4	62.3	62.2
100°	89.3	88.2	86.4	84.8	83.1	81.5	80.7	80.7	80.7	80.7	80.7
102.5°	107.9	106.5	105.7	104.9	104.0	103.2	102.5	102.0	101.5	101.0	100.5
105°	138.5	137.6	136.9	136.1	135.4	134.6	133.9	133.3	132.6	132.0	131.4
107.5°	171.4	171.0	170.4	169.8	169.3	168.6	168.0	167.3	166.7	166.1	165.4
110°	194.0	193.6	193.2	192.8	192.4	192.1	191.6	190.9	190.3	189.6	188.9



TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	216.8	216.6	216.1	215.6	215.2	214.7	214.3	213.9	213.6	213.3	212.9
115°	251.7	251.8	251.5	251.3	251.0	250.7	250.3	249.8	249.3	248.8	248.3
117.5°	286.0	285.9	285.6	285.4	285.2	285.0	284.7	284.5	284.3	284.0	283.8
120°	309.3	309.3	309.2	309.1	309.0	308.8	308.5	307.8	307.2	306.6	305.9
122.5°	332.3	332.4	332.0	331.7	331.4	331.0	330.8	330.5	330.3	330.1	329.9
125°	366.2	366.4	366.3	366.2	366.0	365.9	365.5	364.7	363.9	363.1	362.3
127.5°	399.5	399.6	399.4	399.3	399.1	399.0	398.7	398.2	397.8	397.4	397.0
130°	421.6	421.7	421.4	421.2	420.9	420.7	420.2	419.6	419.0	418.3	417.7
132.5°	442.8	442.9	442.9	443.0	443.0	443.1	442.6	441.5	440.5	439.5	438.4
135°	475.2	475.2	475.1	475.0	474.9	474.7	474.3	473.5	472.8	472.0	471.2
137.5°	506.9	506.8	506.4	506.1	505.9	505.6	505.1	504.3	503.6	502.9	502.1
140°	526.8	526.5	526.1	525.8	525.4	525.0	524.5	523.8	523.2	522.6	521.9
142.5°	546.5	546.3	545.9	545.4	544.9	544.4	543.9	543.4	542.8	542.3	541.8
145°	574.9	574.9	574.6	574.2	573.8	573.4	573.0	572.5	572.0	571.4	570.9
147.5°	600.9	600.6	600.3	600.0	599.6	599.3	599.1	598.7	598.4	598.1	597.8
150°	617.5	617.5	617.0	616.5	616.0	615.5	615.3	615.5	615.6	615.7	615.8
152.5°	632.7	632.4	632.1	631.9	631.7	631.5	631.3	631.2	631.0	630.8	630.6
155°	654.4	653.9	653.8	653.6	653.5	653.4	653.3	653.3	653.3	653.3	653.3
157.5°	673.4	672.9	672.8	672.7	672.5	672.4	672.5	672.8	673.0	673.3	673.6
160°	684.9	684.4	684.3	684.2	684.0	683.9	684.0	684.4	684.8	685.2	685.6
162.5°	695.6	695.0	695.0	695.0	694.9	694.9	695.0	695.3	695.6	695.9	696.2
165°	710.2	709.7	709.6	709.5	709.3	709.2	709.3	709.5	709.8	710.0	710.3
167.5°	720.7	720.0	720.0	720.0	720.0	720.0	720.2	720.7	721.2	721.9	722.4
170°	727.2	726.5	726.5	726.5	726.5	726.5	726.7	727.2	727.7	728.2	728.7
172.5°	731.8	731.0	731.0	731.0	731.0	731.0	731.3	731.8	732.4	732.9	733.4
175°	737.0	736.3	736.3	736.3	736.3	736.3	736.5	737.0	737.5	738.0	738.5
177.5°	739.5	738.9	739.0	739.1	739.2	739.3	739.5	740.0	740.4	740.8	741.2
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3

TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	939.1	941.9	945.8	950.5	954.1	958.2	960.3	960.3	962.1	966.1	971.3
5°	941.8	951.8	961.4	973.6	983.2	994.3	1002.8	1010.9	1018.1	1027.3	1036.9
7.5°	941.0	957.6	974.8	994.2	1015.5	1032.5	1049.9	1063.6	1077.0	1094.7	1108.6
10°	938.0	959.5	982.8	1007.3	1034.2	1057.6	1078.7	1097.9	1116.3	1135.5	1152.8
12.5°	932.4	959.8	988.4	1017.8	1051.8	1078.5	1105.7	1126.2	1147.6	1168.6	1189.9
15°	924.1	956.3	990.9	1032.0	1073.4	1103.3	1130.1	1156.6	1176.6	1200.3	1220.7
17.5°	907.1	948.6	992.0	1036.8	1076.6	1111.5	1139.5	1164.8	1186.0	1212.1	1239.8
20°	896.9	941.8	987.0	1035.0	1073.0	1108.6	1135.9	1162.0	1188.4	1222.6	1256.4
22.5°	882.8	930.7	978.8	1024.3	1064.4	1098.8	1127.0	1158.9	1193.7	1232.4	1273.2
25°	860.5	910.0	957.6	1000.9	1040.0	1075.3	1113.7	1156.6	1198.8	1249.8	1308.5
27.5°	832.1	879.9	922.3	968.1	1007.0	1051.9	1099.7	1146.3	1207.2	1277.4	1350.7
30°	810.9	856.3	896.6	939.9	984.0	1033.5	1087.2	1142.1	1214.6	1297.0	1384.1
32.5°	786.4	827.4	867.4	909.2	960.1	1014.4	1071.6	1138.6	1225.3	1319.1	1409.3
35°	743.9	780.6	819.4	865.9	919.9	979.0	1051.9	1133.6	1238.3	1339.2	1420.2
37.5°	699.2	728.2	767.2	816.1	875.0	943.4	1026.1	1125.4	1232.9	1323.5	1358.0
40°	664.8	692.1	733.1	784.5	842.8	917.7	1010.5	1112.5	1220.7	1283.5	1280.9
42.5°	630.8	658.3	697.8	749.5	810.3	894.0	989.6	1095.6	1186.9	1210.8	1160.9
45°	578.5	604.2	643.0	695.1	760.3	848.2	948.7	1050.4	1108.6	1070.0	971.0
47.5°	525.2	550.2	586.1	637.2	708.4	800.4	895.4	978.9	987.0	903.8	785.1
50°	490.3	513.6	547.9	602.3	671.4	761.1	852.8	918.4	898.1	796.4	674.0
52.5°	456.2	478.7	510.7	562.1	632.7	720.6	802.4	853.9	806.9	698.8	588.8
55°	405.9	427.4	459.6	506.8	570.8	651.4	723.2	741.9	672.9	563.9	474.9
57.5°	358.1	373.8	405.7	447.4	509.2	580.2	631.6	628.2	552.0	453.9	390.1
60°	326.5	340.6	370.9	409.3	468.0	531.7	567.7	552.4	475.3	394.4	333.0
62.5°	297.0	310.2	335.7	370.9	421.4	476.8	503.0	481.8	409.0	337.9	289.1
65°	252.5	262.1	282.4	315.0	354.5	392.8	416.3	385.2	320.7	267.0	230.1
67.5°	210.8	219.0	237.1	260.5	287.8	314.3	323.8	294.6	244.5	208.3	182.4
70°	183.8	191.5	203.7	225.6	243.6	262.4	267.0	241.0	199.1	171.5	155.3
72.5°	157.9	165.0	175.8	191.2	203.7	214.5	216.7	192.4	160.5	141.4	129.0
75°	120.5	126.6	133.5	139.3	147.3	149.3	148.5	129.7	112.4	99.8	92.8
77.5°	88.6	91.1	95.3	97.6	98.0	97.9	93.9	82.0	73.1	67.9	65.0
80°	68.3	70.2	71.4	72.1	72.5	68.7	64.4	57.2	54.1	51.0	47.6
82.5°	49.6	50.9	52.0	52.2	50.1	46.9	42.9	39.4	37.2	35.6	34.3
85°	26.9	27.3	26.9	24.9	22.2	21.1	20.3	19.6	19.2	18.8	18.8
87.5°	9.8	9.1	7.8	8.3	8.5	8.4	8.6	8.4	8.3	8.4	8.6
90°	1.6	2.6	3.6	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5
92.5°	14.6	15.3	16.1	16.8	17.7	18.8	19.9	21.0	22.1	22.9	23.8
95°	37.7	38.0	38.2	38.5	39.3	40.5	41.8	43.1	44.3	45.2	46.2
97.5°	62.3	62.4	62.5	62.6	63.5	65.3	67.1	68.9	70.6	71.5	72.3
100°	80.7	80.7	80.7	80.7	81.5	83.1	84.8	86.4	88.2	89.3	90.5
102.5°	101.0	101.5	102.0	102.5	103.2	104.0	104.9	105.7	106.5	107.9	109.1
105°	132.0	132.6	133.3	133.9	134.6	135.4	136.1	136.9	137.6	138.5	139.3
107.5°	166.1	166.7	167.3	168.0	168.6	169.3	169.8	170.4	171.0	171.4	171.8
110°	189.6	190.3	190.9	191.6	192.1	192.4	192.8	193.2	193.6	194.0	194.3



TEST NUMBER: P333527-840

CATALOG NUMBER: S125RDIP-S610D590U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	213.3	213.6	213.9	214.3	214.7	215.2	215.6	216.1	216.6	216.8	217.0
115°	248.8	249.3	249.8	250.3	250.7	251.0	251.3	251.5	251.8	251.7	251.5
117.5°	284.0	284.3	284.5	284.7	285.0	285.2	285.4	285.6	285.9	286.0	286.1
120°	306.6	307.2	307.8	308.5	308.8	309.0	309.1	309.2	309.3	309.3	309.3
122.5°	330.1	330.3	330.5	330.8	331.0	331.4	331.7	332.0	332.4	332.3	332.2
125°	363.1	363.9	364.7	365.5	365.9	366.0	366.2	366.3	366.4	366.2	365.9
127.5°	397.4	397.8	398.2	398.7	399.0	399.1	399.3	399.4	399.6	399.5	399.3
130°	418.3	419.0	419.6	420.2	420.7	420.9	421.2	421.4	421.7	421.6	421.4
132.5°	439.5	440.5	441.5	442.6	443.1	443.0	443.0	442.9	442.9	442.8	442.6
135°	472.0	472.8	473.5	474.3	474.7	474.9	475.0	475.1	475.2	475.2	475.2
137.5°	502.9	503.6	504.3	505.1	505.6	505.9	506.1	506.4	506.8	506.9	507.1
140°	522.6	523.2	523.8	524.5	525.0	525.4	525.8	526.1	526.5	526.8	527.0
142.5°	542.3	542.8	543.4	543.9	544.4	544.9	545.4	545.9	546.3	546.5	546.6
145°	571.4	572.0	572.5	573.0	573.4	573.8	574.2	574.6	574.9	574.9	574.9
147.5°	598.1	598.4	598.7	599.1	599.3	599.6	600.0	600.3	600.6	600.9	601.2
150°	615.7	615.6	615.5	615.3	615.5	616.0	616.5	617.0	617.5	617.5	617.5
152.5°	630.8	631.0	631.2	631.3	631.5	631.7	631.9	632.1	632.4	632.7	633.0
155°	653.3	653.3	653.3	653.3	653.4	653.5	653.6	653.8	653.9	654.4	654.9
157.5°	673.3	673.0	672.8	672.5	672.4	672.5	672.7	672.8	672.9	673.4	673.9
160°	685.2	684.8	684.4	684.0	683.9	684.0	684.2	684.3	684.4	684.9	685.4
162.5°	695.9	695.6	695.3	695.0	694.9	694.9	695.0	695.0	695.0	695.6	696.2
165°	710.0	709.8	709.5	709.3	709.2	709.3	709.5	709.6	709.7	710.2	710.7
167.5°	721.9	721.2	720.7	720.2	720.0	720.0	720.0	720.0	720.0	720.7	721.5
170°	728.2	727.7	727.2	726.7	726.5	726.5	726.5	726.5	726.5	727.2	728.0
172.5°	732.9	732.4	731.8	731.3	731.0	731.0	731.0	731.0	731.0	731.8	732.7
175°	738.0	737.5	737.0	736.5	736.3	736.3	736.3	736.3	736.3	737.0	737.8
177.5°	740.8	740.4	740.0	739.5	739.3	739.2	739.1	739.0	738.9	739.5	740.1
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	934.5	934.5	934.5	934.5	934.5	934.5	934.5
2.5°	975.3	975.3	980.6	980.2	983.6	982.4	983.0
5°	1048.4	1054.9	1060.7	1064.5	1070.3	1071.9	1071.1
7.5°	1124.3	1138.7	1145.8	1155.5	1157.2	1162.3	1161.7
10°	1171.1	1185.4	1196.1	1204.6	1208.8	1214.2	1214.6
12.5°	1208.0	1220.0	1229.6	1237.4	1242.5	1244.3	1245.3
15°	1236.8	1250.2	1261.3	1272.4	1279.0	1283.9	1286.7
17.5°	1265.8	1286.5	1306.2	1321.3	1330.3	1338.0	1337.9
20°	1288.2	1312.0	1336.6	1353.8	1371.4	1379.1	1380.3
22.5°	1312.1	1348.5	1380.1	1406.8	1430.1	1438.0	1441.0
25°	1361.8	1409.4	1458.1	1495.7	1522.6	1538.3	1540.7
27.5°	1421.9	1486.3	1537.5	1572.3	1594.6	1606.2	1608.7
30°	1464.3	1523.7	1569.7	1595.9	1606.2	1607.7	1601.9
32.5°	1483.3	1527.7	1546.1	1544.6	1524.3	1510.8	1505.6
35°	1460.1	1450.9	1405.9	1352.2	1311.2	1285.2	1278.2
37.5°	1328.7	1249.3	1166.7	1085.6	1042.4	1020.5	982.7
40°	1199.2	1086.0	1000.1	931.8	883.1	843.9	834.8
42.5°	1053.1	936.2	850.3	791.8	753.0	726.1	714.5
45°	846.3	745.8	674.8	629.9	600.0	580.4	571.6
47.5°	676.8	599.1	547.3	514.1	491.3	474.3	469.6
50°	583.9	521.7	478.0	450.0	432.7	419.7	414.3
52.5°	507.2	457.0	423.3	400.3	384.0	375.8	371.3
55°	418.5	375.2	351.0	332.5	323.4	316.9	313.8
57.5°	342.2	310.9	293.3	280.5	272.1	267.9	266.4
60°	299.6	275.1	258.9	248.9	243.2	237.8	236.3
62.5°	261.9	242.6	230.0	221.4	215.6	213.3	212.4
65°	211.0	198.3	189.1	183.8	179.2	178.3	178.0
67.5°	167.7	160.3	155.4	149.9	148.2	145.5	145.0
70°	143.5	138.5	132.7	130.8	128.9	126.2	126.6
72.5°	121.7	116.7	112.8	110.3	109.6	108.5	109.4
75°	89.0	87.5	85.9	84.0	83.2	83.2	82.9
77.5°	63.5	62.2	60.5	59.4	59.2	57.6	58.2
80°	46.0	44.1	43.3	43.7	42.6	42.2	42.2
82.5°	34.0	33.3	32.6	32.7	32.4	32.1	32.4
85°	18.8	18.4	18.4	18.1	18.1	17.7	17.7
87.5°	9.0	9.4	8.9	8.7	8.8	9.1	9.5
90°	11.1	11.8	12.3	12.7	13.0	13.4	13.8
92.5°	24.6	25.5	26.1	26.4	26.7	26.9	27.2
95°	47.1	48.0	48.5	48.8	49.1	49.3	49.6
97.5°	73.2	74.0	74.5	74.6	74.8	74.9	75.1
100°	91.6	92.7	93.4	93.7	94.0	94.2	94.5
102.5°	110.4	111.6	112.4	112.8	113.1	113.5	113.8
105°	140.0	140.8	141.4	141.7	142.1	142.5	142.9
107.5°	172.2	172.5	172.7	172.7	172.7	172.6	172.6
110°	194.7	195.1	195.2	195.1	195.0	194.8	194.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	217.1	217.3	217.3	217.1	216.8	216.6	216.4
115°	251.4	251.3	251.2	251.0	250.9	250.7	250.6
117.5°	286.2	286.3	286.1	285.6	285.1	284.6	284.0
120°	309.3	309.3	309.1	308.6	308.1	307.6	307.1
122.5°	332.1	332.0	331.7	331.3	330.9	330.5	330.1
125°	365.7	365.4	365.2	365.1	365.0	364.8	364.7
127.5°	399.2	399.1	398.9	398.6	398.4	398.1	397.9
130°	421.3	421.2	421.0	420.7	420.5	420.2	420.0
132.5°	442.5	442.4	442.1	441.8	441.4	441.1	440.7
135°	475.2	475.2	475.0	474.5	474.0	473.5	473.0
137.5°	507.2	507.4	507.2	506.4	505.8	505.2	504.5
140°	527.4	527.6	527.4	526.7	526.1	525.4	524.8
142.5°	546.8	546.9	546.7	546.1	545.4	544.8	544.2
145°	574.9	574.9	574.7	574.4	574.0	573.6	573.2
147.5°	601.5	601.8	601.5	600.6	599.8	598.8	598.0
150°	617.5	617.5	617.4	617.2	616.9	616.7	616.4
152.5°	633.3	633.6	633.5	633.0	632.6	632.1	631.7
155°	655.4	655.9	655.9	655.2	654.6	653.9	653.3
157.5°	674.4	674.9	674.8	673.9	673.1	672.3	671.4
160°	685.9	686.4	686.4	685.8	685.1	684.5	683.9
162.5°	696.8	697.5	697.4	696.7	695.9	695.2	694.4
165°	711.2	711.9	711.7	710.9	710.1	709.3	708.6
167.5°	722.4	723.1	723.1	722.3	721.4	720.6	719.9
170°	728.7	729.5	729.4	728.6	727.7	726.8	725.9
172.5°	733.4	734.2	734.2	733.4	732.6	731.7	730.9
175°	738.5	739.3	739.2	738.4	737.5	736.6	735.7
177.5°	740.7	741.3	741.3	740.6	739.9	739.1	738.4
180°	740.3	740.3	740.3	740.3	740.3	740.3	740.3

(END OF REPORT)