

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: P333522-830

Luminaire Tested: **S125RDIP-S610D365U830-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333522-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S610D365U830-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3499.7 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

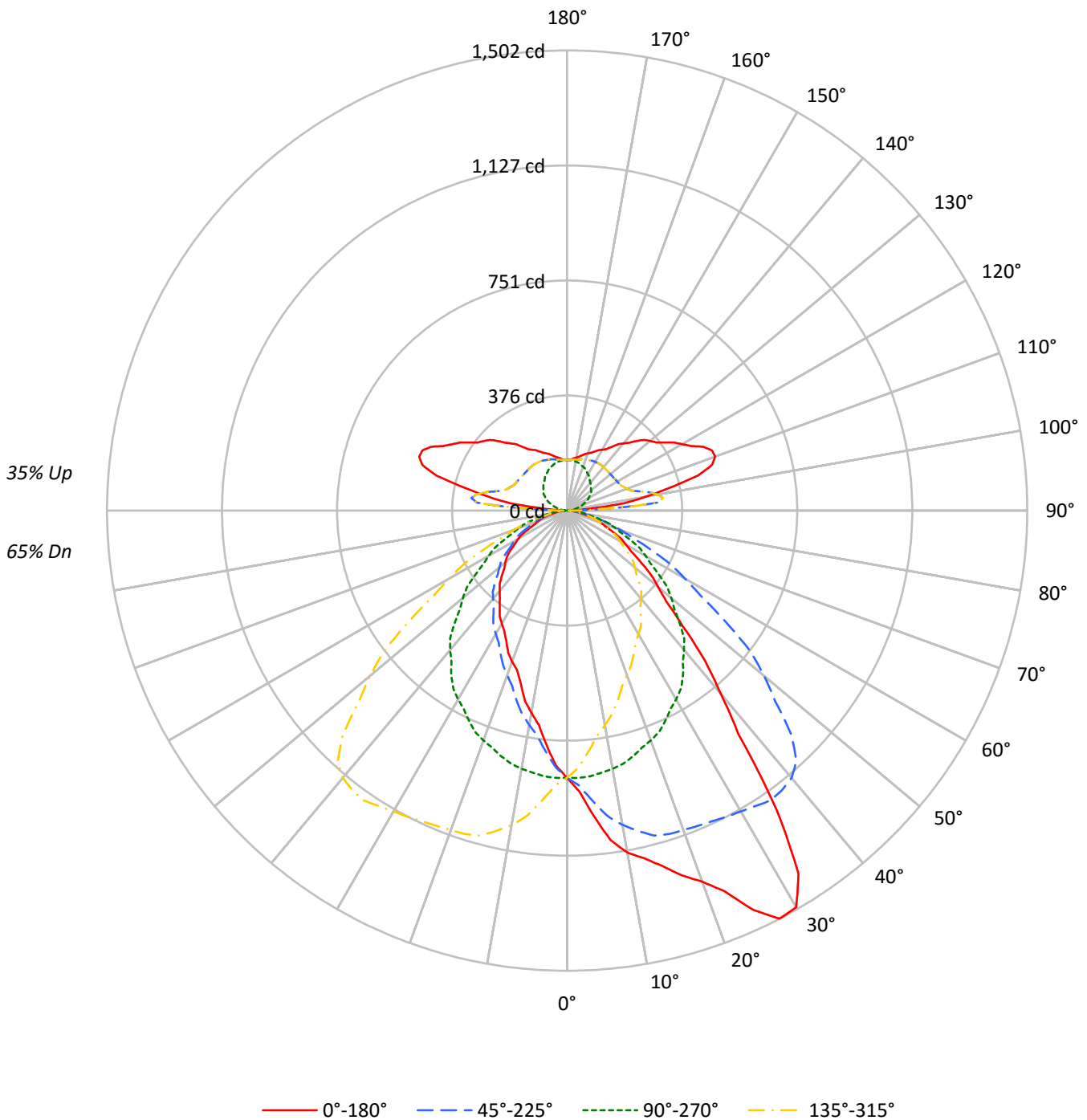
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	70	70	70	65
1	102	97	94	90	95	92	88	86	81	79	76	71	70	68	62	61	60	56
2	93	86	80	75	87	81	76	71	72	68	64	63	60	58	56	53	51	47
3	85	76	69	63	80	72	65	60	64	59	54	56	52	49	50	47	44	41
4	78	67	60	54	73	64	57	51	57	51	47	51	46	43	45	41	38	35
5	72	60	52	46	67	57	50	44	51	45	41	46	41	37	40	37	34	31
6	66	54	46	40	62	52	44	39	46	40	36	41	36	33	37	33	30	27
7	62	49	41	36	58	47	39	34	42	36	32	38	33	29	34	30	27	24
8	57	45	37	32	54	43	35	30	38	32	28	35	30	26	31	27	24	22
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	29	25	22	20
10	50	38	30	26	47	36	29	25	33	27	23	29	25	21	26	23	20	18

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	2.4
10°-20°	245.1	7.0
20°-30°	388.6	11.1
30°-40°	468.7	13.4
40°-50°	418.5	12.0
50°-60°	321.0	9.2
60°-70°	208.6	6.0
70°-80°	101.4	2.9
80°-90°	25.1	0.7
90°-100°	119.8	3.4
100°-110°	257.4	7.4
110°-120°	241.6	6.9
120°-130°	195.8	5.6
130°-140°	157.1	4.5
140°-150°	118.6	3.4
150°-160°	83.5	2.4
160°-170°	49.2	1.4
170°-180°	16.0	0.5
0°-30°	717.4	20.5
0°-40°	1186.0	33.9
0°-60°	1925.5	55.0
0°-90°	2260.6	64.6
90°-120°	618.8	17.7
90°-150°	1090.3	31.2
90°-180°	1239.0	35.4
0°-180°	3499.7	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°	8	0	8	0	8	6
95°	78	11	78	11	78	111
105°	441	38	441	38	441	439
115°	492	67	492	67	492	480
125°	387	93	387	93	387	350
135°	322	109	322	109	322	249
145°	254	127	254	127	254	161
155°	213	145	213	145	213	99
165°	186	158	186	158	186	53
175°	168	165	168	165	168	16
180°	165	165	165	165	165	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	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°	7.8	7.5	7.2	7.2	7.4	7.9	7.5	7.3	7.2	7.1	7.3
90°	7.6	7.6	7.4	7.4	7.4	6.7	6.3	6.0	5.7	5.4	4.6
92.5°	21.2	21.8	22.2	23.1	27.3	32.2	42.8	59.0	86.9	107.4	109.1
95°	78.3	83.6	86.2	96.2	119.9	147.9	188.9	239.5	288.8	295.1	240.8
97.5°	189.2	193.5	203.1	221.8	242.3	281.3	321.2	356.7	365.4	315.2	215.1
100°	259.9	265.1	277.5	301.4	324.4	359.1	393.4	409.7	384.1	300.8	191.9
102.5°	338.7	342.7	356.1	373.2	397.8	421.2	437.6	427.5	372.9	275.5	174.3
105°	441.4	445.4	452.0	463.0	473.7	477.3	462.7	417.1	337.1	241.5	157.2
107.5°	495.9	498.5	500.8	500.8	495.4	478.0	440.4	379.5	300.6	218.1	150.1
110°	514.0	514.0	511.6	505.3	490.3	462.0	415.1	351.8	279.8	207.2	147.9



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	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°	7.4	7.4	7.5	7.4	7.0	8.3	9.0	9.2	8.8	8.3	7.8
90°	4.3	3.7	3.3	2.6	2.0	1.3	0.7	0.4	0.7	1.3	2.0
92.5°	76.0	45.5	27.3	17.6	11.9	7.7	4.9	4.1	4.9	7.7	11.9
95°	148.9	75.6	40.0	25.0	17.6	13.9	11.3	11.0	11.3	13.9	17.6
97.5°	118.9	65.1	41.6	30.8	24.2	20.5	18.7	18.3	18.7	20.5	24.2
100°	107.9	64.7	45.3	35.3	28.9	25.4	23.9	23.3	23.9	25.4	28.9
102.5°	103.4	67.0	49.9	40.2	34.3	30.3	29.3	28.9	29.3	30.3	34.3
105°	101.6	71.9	57.3	48.0	42.6	39.3	37.6	37.6	37.6	39.3	42.6
107.5°	104.6	79.3	65.1	56.7	51.2	48.4	46.8	46.2	46.8	48.4	51.2
110°	107.6	84.6	71.0	62.3	57.3	54.3	53.0	52.3	53.0	54.3	57.3



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

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°	7.7	7.8	7.6	8.3	7.5	7.9	8.0	7.8	7.8	7.9	7.7
90°	2.6	3.3	3.7	4.3	4.6	5.4	5.7	6.0	6.3	6.7	7.4
92.5°	17.6	27.3	45.5	76.0	109.1	107.4	86.9	59.0	42.8	32.2	27.3
95°	25.0	40.0	75.6	148.9	240.8	295.1	288.8	239.5	188.9	147.9	119.9
97.5°	30.8	41.6	65.1	118.9	215.1	315.2	365.4	356.7	321.2	281.3	242.3
100°	35.3	45.3	64.7	107.9	191.9	300.8	384.1	409.7	393.4	359.1	324.4
102.5°	40.2	49.9	67.0	103.4	174.3	275.5	372.9	427.5	437.6	421.2	397.8
105°	48.0	57.3	71.9	101.6	157.2	241.5	337.1	417.1	462.7	477.3	473.7
107.5°	56.7	65.1	79.3	104.6	150.1	218.1	300.6	379.5	440.4	478.0	495.4
110°	62.3	71.0	84.6	107.6	147.9	207.2	279.8	351.8	415.1	462.0	490.3



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

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°	8.0	7.7	7.8	7.8	7.8	7.7	8.0	7.7	7.9	7.8	7.8
90°	7.4	7.4	7.6	7.6	7.6	7.4	7.4	7.4	6.7	6.3	6.0
92.5°	23.1	22.2	21.8	21.2	21.8	22.2	23.1	27.3	32.2	42.8	59.0
95°	96.2	86.2	83.6	78.3	83.6	86.2	96.2	119.9	147.9	188.9	239.5
97.5°	221.8	203.1	193.5	189.2	193.5	203.1	221.8	242.3	281.3	321.2	356.7
100°	301.4	277.5	265.1	259.9	265.1	277.5	301.4	324.4	359.1	393.4	409.7
102.5°	373.2	356.1	342.7	338.7	342.7	356.1	373.2	397.8	421.2	437.6	427.5
105°	463.0	452.0	445.4	441.4	445.4	452.0	463.0	473.7	477.3	462.7	417.1
107.5°	500.8	500.8	498.5	495.9	498.5	500.8	500.8	495.4	478.0	440.4	379.5
110°	505.3	511.6	514.0	514.0	514.0	511.6	505.3	490.3	462.0	415.1	351.8



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

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°	8.0	7.9	7.5	8.3	7.6	7.8	7.7	7.8	8.3	8.8	9.2
90°	5.7	5.4	4.6	4.3	3.7	3.3	2.6	2.0	1.3	0.7	0.4
92.5°	86.9	107.4	109.1	76.0	45.5	27.3	17.6	11.9	7.7	4.9	4.1
95°	288.8	295.1	240.8	148.9	75.6	40.0	25.0	17.6	13.9	11.3	11.0
97.5°	365.4	315.2	215.1	118.9	65.1	41.6	30.8	24.2	20.5	18.7	18.3
100°	384.1	300.8	191.9	107.9	64.7	45.3	35.3	28.9	25.4	23.9	23.3
102.5°	372.9	275.5	174.3	103.4	67.0	49.9	40.2	34.3	30.3	29.3	28.9
105°	337.1	241.5	157.2	101.6	71.9	57.3	48.0	42.6	39.3	37.6	37.6
107.5°	300.6	218.1	150.1	104.6	79.3	65.1	56.7	51.2	48.4	46.8	46.2
110°	279.8	207.2	147.9	107.6	84.6	71.0	62.3	57.3	54.3	53.0	52.3



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

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°	9.0	8.3	7.0	7.4	7.5	7.4	7.4	7.3	7.1	7.2	7.3
90°	0.7	1.3	2.0	2.6	3.3	3.7	4.3	4.6	5.4	5.7	6.0
92.5°	4.9	7.7	11.9	17.6	27.3	45.5	76.0	109.1	107.4	86.9	59.0
95°	11.3	13.9	17.6	25.0	40.0	75.6	148.9	240.8	295.1	288.8	239.5
97.5°	18.7	20.5	24.2	30.8	41.6	65.1	118.9	215.1	315.2	365.4	356.7
100°	23.9	25.4	28.9	35.3	45.3	64.7	107.9	191.9	300.8	384.1	409.7
102.5°	29.3	30.3	34.3	40.2	49.9	67.0	103.4	174.3	275.5	372.9	427.5
105°	37.6	39.3	42.6	48.0	57.3	71.9	101.6	157.2	241.5	337.1	417.1
107.5°	46.8	48.4	51.2	56.7	65.1	79.3	104.6	150.1	218.1	300.6	379.5
110°	53.0	54.3	57.3	62.3	71.0	84.6	107.6	147.9	207.2	279.8	351.8



TEST NUMBER: P333522-830

CATALOG NUMBER: S125RDIP-S610D365U830-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

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



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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°	7.5	7.9	7.4	7.2	7.2	7.5	7.8
90°	6.3	6.7	7.4	7.4	7.4	7.6	7.6
92.5°	42.8	32.2	27.3	23.1	22.2	21.8	21.2
95°	188.9	147.9	119.9	96.2	86.2	83.6	78.3
97.5°	321.2	281.3	242.3	221.8	203.1	193.5	189.2
100°	393.4	359.1	324.4	301.4	277.5	265.1	259.9
102.5°	437.6	421.2	397.8	373.2	356.1	342.7	338.7
105°	462.7	477.3	473.7	463.0	452.0	445.4	441.4
107.5°	440.4	478.0	495.4	500.8	500.8	498.5	495.9
110°	415.1	462.0	490.3	505.3	511.6	514.0	514.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)