

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: P333522-840

Luminaire Tested: **S125RDIP-S610D365U840-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333522-840
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-S610D365U840-4F0-1E-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: 3749.6 lumens
Efficiency: N/A
Efficacy: 136.4 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

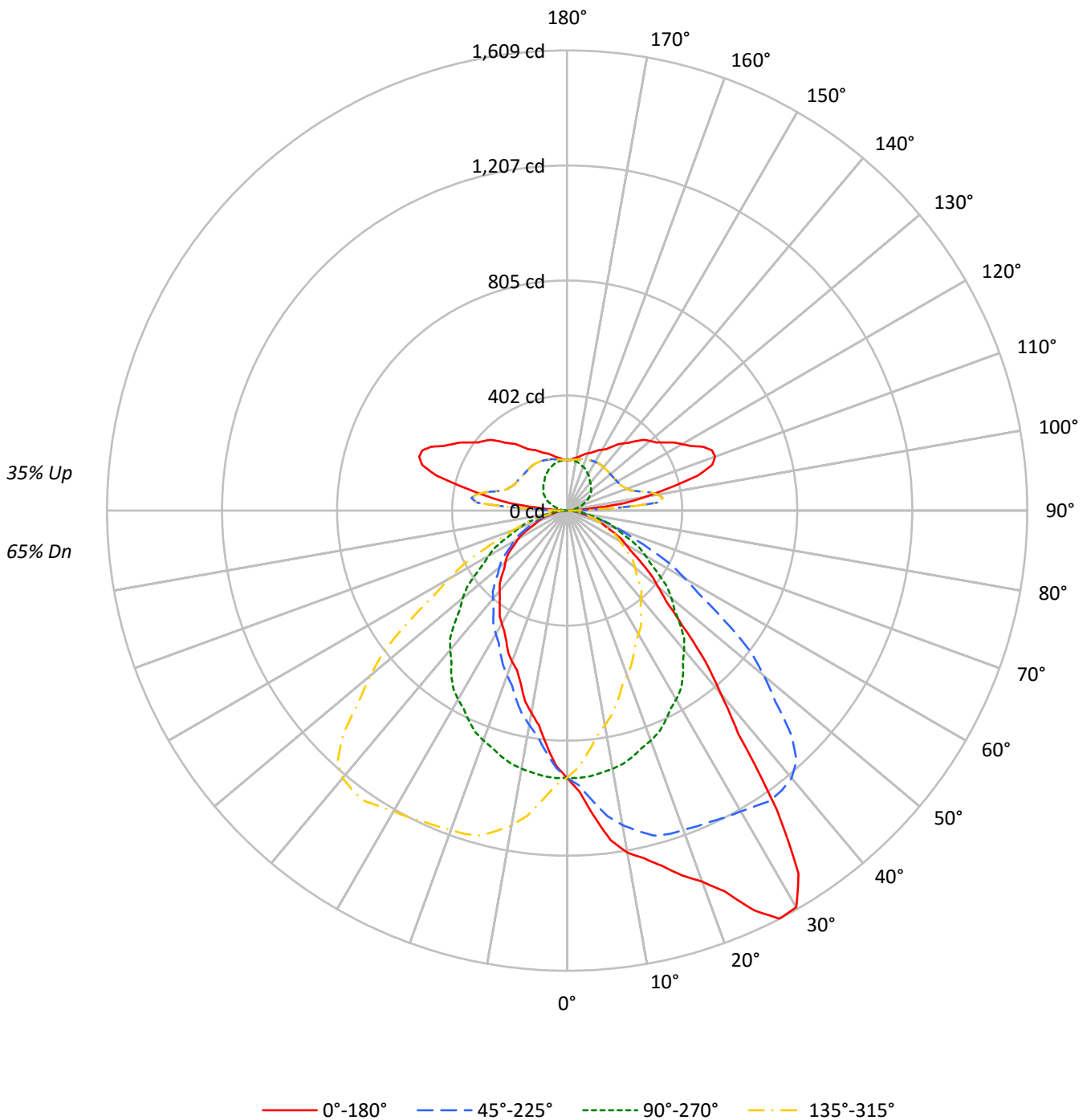
Input Watts (W): 27.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	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	2.4
10°-20°	262.6	7.0
20°-30°	416.4	11.1
30°-40°	502.1	13.4
40°-50°	448.4	12.0
50°-60°	343.9	9.2
60°-70°	223.5	6.0
70°-80°	108.6	2.9
80°-90°	26.9	0.7
90°-100°	128.3	3.4
100°-110°	275.8	7.4
110°-120°	258.9	6.9
120°-130°	209.8	5.6
130°-140°	168.4	4.5
140°-150°	127.0	3.4
150°-160°	89.4	2.4
160°-170°	52.7	1.4
170°-180°	17.1	0.5
0°-30°	768.6	20.5
0°-40°	1270.8	33.9
0°-60°	2063.1	55.0
0°-90°	2422.1	64.6
90°-120°	663.0	17.7
90°-150°	1168.2	31.2
90°-180°	1328.0	35.4
0°-180°	3749.6	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°	8	0	8	0	8	7
95°	84	12	84	12	84	119
105°	473	40	473	40	473	470
115°	527	72	527	72	527	515
125°	415	100	415	100	415	376
135°	345	117	345	117	345	267
145°	272	136	272	136	272	173
155°	228	156	228	156	228	106
165°	200	170	200	170	200	57
175°	180	177	180	177	180	17
180°	177	177	177	177	177	



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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°	8.4	8.1	7.7	7.7	8.0	8.5	8.1	7.8	7.7	7.6	7.8
90°	8.2	8.2	7.9	7.9	7.9	7.2	6.8	6.5	6.1	5.8	4.9
92.5°	22.7	23.3	23.8	24.7	29.3	34.5	45.8	63.2	93.1	115.0	116.9
95°	83.9	89.6	92.4	103.1	128.5	158.4	202.4	256.6	309.4	316.2	258.0
97.5°	202.7	207.3	217.6	237.6	259.6	301.3	344.2	382.1	391.5	337.7	230.5
100°	278.4	284.1	297.3	323.0	347.6	384.8	421.5	439.0	411.5	322.2	205.6
102.5°	362.9	367.2	381.5	399.8	426.2	451.3	468.9	458.1	399.5	295.2	186.7
105°	472.9	477.2	484.3	496.0	507.6	511.4	495.7	446.9	361.2	258.7	168.4
107.5°	531.3	534.1	536.5	536.5	530.8	512.1	471.8	406.6	322.0	233.7	160.8
110°	550.7	550.7	548.2	541.4	525.3	495.0	444.7	376.9	299.8	222.0	158.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	548.5	545.8	539.7	528.0	504.5	468.8	417.9	353.5	283.3	215.1	158.4
115°	526.7	522.1	512.1	495.0	467.2	428.3	379.4	324.1	265.2	207.7	159.6
117.5°	488.9	486.0	476.2	458.4	430.6	394.9	352.7	305.1	254.4	204.1	161.9
120°	464.3	461.5	451.8	434.7	408.3	376.9	337.6	294.8	248.4	202.4	164.2
122.5°	442.6	440.1	430.4	414.8	391.1	361.7	326.8	287.1	243.3	201.0	166.1
125°	415.1	411.5	403.6	389.0	369.0	343.4	312.3	275.9	236.3	199.1	169.6
127.5°	391.5	389.9	382.5	369.6	351.4	327.4	298.4	264.5	229.8	198.3	173.3
130°	378.7	376.6	369.4	357.6	339.8	316.6	288.7	257.3	225.6	197.7	175.6
132.5°	365.8	363.3	356.8	345.1	327.2	304.9	279.6	250.1	222.2	197.7	178.1
135°	344.8	342.6	336.2	324.5	308.7	288.4	265.5	241.0	218.0	197.7	181.7
137.5°	322.2	319.9	314.0	303.3	289.2	272.0	253.0	233.1	214.4	198.1	184.9
140°	306.6	304.8	299.4	290.1	276.9	262.0	245.5	228.7	212.7	198.4	186.3
142.5°	292.1	290.5	285.5	277.6	266.4	253.4	239.2	225.1	211.3	198.7	187.1
145°	272.0	270.5	266.6	260.5	252.0	242.4	231.3	220.3	209.1	198.4	188.0
147.5°	255.0	254.3	252.1	247.2	240.4	233.2	224.6	215.6	206.9	197.5	188.4
150°	245.5	245.2	243.8	239.4	234.1	227.7	221.0	213.1	205.2	196.6	188.4
152.5°	238.1	237.7	236.3	232.9	228.4	223.4	217.2	210.3	203.2	195.5	188.1
155°	228.0	227.7	226.6	224.1	220.6	216.6	211.7	205.9	199.9	193.5	187.3
157.5°	219.0	219.1	218.1	216.1	213.3	210.3	206.3	201.7	196.7	191.3	186.4
160°	213.1	213.4	212.7	211.0	208.4	205.9	202.4	198.8	194.2	189.9	185.6
162.5°	207.6	207.7	207.5	206.1	204.2	202.0	198.9	195.6	191.9	188.1	184.7
165°	199.9	199.9	199.9	199.1	197.7	195.9	193.8	191.3	188.4	185.6	183.5
167.5°	192.7	192.8	193.1	192.5	191.8	190.5	188.8	187.1	185.1	183.1	181.5
170°	188.4	188.8	188.8	188.4	187.7	187.0	185.9	184.9	183.1	181.7	180.6
172.5°	184.4	184.8	185.4	184.7	184.6	184.2	183.4	182.3	181.1	180.0	179.5
175°	179.6	179.9	180.6	180.3	180.3	180.3	179.6	179.6	178.4	178.1	178.1
177.5°	177.0	177.0	177.8	177.6	177.8	177.8	177.8	177.6	177.3	177.0	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



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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°	8.0	7.9	8.1	8.0	7.5	8.9	9.7	9.9	9.4	8.9	8.4
90°	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4	0.7	1.4	2.1
92.5°	81.4	48.8	29.3	18.9	12.7	8.3	5.3	4.3	5.3	8.3	12.7
95°	159.6	81.0	42.8	26.8	18.9	14.9	12.1	11.8	12.1	14.9	18.9
97.5°	127.3	69.8	44.5	33.0	26.0	22.0	20.0	19.6	20.0	22.0	26.0
100°	115.6	69.3	48.6	37.9	31.0	27.2	25.7	24.9	25.7	27.2	31.0
102.5°	110.8	71.8	53.4	43.0	36.8	32.5	31.4	31.0	31.4	32.5	36.8
105°	108.9	77.1	61.4	51.4	45.6	42.1	40.3	40.3	40.3	42.1	45.6
107.5°	112.1	84.9	69.8	60.8	54.8	51.9	50.2	49.5	50.2	51.9	54.8
110°	115.3	90.7	76.0	66.8	61.4	58.2	56.8	56.0	56.8	58.2	61.4



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	119.3	96.0	82.0	73.0	67.7	64.4	63.3	62.6	63.3	64.4	67.7
115°	125.2	104.6	91.4	82.4	77.1	73.9	72.8	72.1	72.8	73.9	77.1
117.5°	132.1	113.3	100.8	92.2	86.0	82.9	81.7	80.7	81.7	82.9	86.0
120°	136.7	119.6	107.0	98.2	92.1	88.9	87.5	86.3	87.5	88.9	92.1
122.5°	141.8	125.5	113.1	104.1	97.6	94.3	93.1	92.4	93.1	94.3	97.6
125°	148.9	133.5	121.7	112.4	105.6	102.4	100.7	100.0	100.7	102.4	105.6
127.5°	155.2	141.1	129.8	120.5	113.3	109.2	106.9	105.8	106.9	109.2	113.3
130°	159.6	145.9	134.9	125.6	118.2	113.5	110.7	109.6	110.7	113.5	118.2
132.5°	163.3	150.6	139.5	130.2	122.4	117.2	113.8	112.4	113.8	117.2	122.4
135°	168.4	156.6	145.6	136.0	128.5	122.8	118.5	117.0	118.5	122.8	128.5
137.5°	172.3	161.1	151.0	141.1	133.7	127.9	124.0	122.9	124.0	127.9	133.7
140°	174.9	164.2	153.8	144.2	137.4	131.7	127.4	126.3	127.4	131.7	137.4
142.5°	176.3	166.1	156.4	147.3	140.9	135.1	131.1	130.4	131.1	135.1	140.9
145°	178.4	169.6	160.3	152.1	145.6	140.6	137.0	136.3	137.0	140.6	145.6
147.5°	179.8	171.7	163.5	156.3	150.8	146.1	143.0	142.6	143.0	146.1	150.8
150°	180.6	173.1	165.2	159.2	154.2	149.6	147.0	146.3	147.0	149.6	154.2
152.5°	181.2	174.5	167.2	161.8	157.0	153.0	150.8	150.4	150.8	153.0	157.0
155°	181.7	175.9	169.9	164.9	161.3	157.7	155.6	155.6	155.6	157.7	161.3
157.5°	182.0	177.1	172.0	168.1	165.0	162.0	160.3	160.4	160.3	162.0	165.0
160°	182.0	177.7	173.1	169.9	167.0	164.5	163.1	163.5	163.1	164.5	167.0
162.5°	181.8	178.3	174.2	171.6	169.4	167.1	165.7	166.0	165.7	167.1	169.4
165°	181.3	178.4	175.6	173.5	172.0	170.3	169.2	169.9	169.2	170.3	172.0
167.5°	180.5	178.4	176.1	174.7	173.7	172.8	172.1	172.5	172.1	172.8	173.7
170°	179.9	178.4	176.6	175.6	174.9	174.2	173.8	174.2	173.8	174.2	174.9
172.5°	179.4	178.1	176.6	176.1	175.7	175.0	174.7	175.3	174.7	175.0	175.7
175°	178.4	177.7	176.6	176.6	176.6	176.3	175.9	176.6	175.9	176.3	176.6
177.5°	177.6	177.3	176.7	176.7	177.0	176.7	176.7	177.3	176.7	176.7	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

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°	8.3	8.4	8.2	8.9	8.1	8.5	8.6	8.4	8.4	8.5	8.3
90°	2.8	3.5	3.9	4.6	4.9	5.8	6.1	6.5	6.8	7.2	7.9
92.5°	18.9	29.3	48.8	81.4	116.9	115.0	93.1	63.2	45.8	34.5	29.3
95°	26.8	42.8	81.0	159.6	258.0	316.2	309.4	256.6	202.4	158.4	128.5
97.5°	33.0	44.5	69.8	127.3	230.5	337.7	391.5	382.1	344.2	301.3	259.6
100°	37.9	48.6	69.3	115.6	205.6	322.2	411.5	439.0	421.5	384.8	347.6
102.5°	43.0	53.4	71.8	110.8	186.7	295.2	399.5	458.1	468.9	451.3	426.2
105°	51.4	61.4	77.1	108.9	168.4	258.7	361.2	446.9	495.7	511.4	507.6
107.5°	60.8	69.8	84.9	112.1	160.8	233.7	322.0	406.6	471.8	512.1	530.8
110°	66.8	76.0	90.7	115.3	158.4	222.0	299.8	376.9	444.7	495.0	525.3



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	73.0	82.0	96.0	119.3	158.4	215.1	283.3	353.5	417.9	468.8	504.5
115°	82.4	91.4	104.6	125.2	159.6	207.7	265.2	324.1	379.4	428.3	467.2
117.5°	92.2	100.8	113.3	132.1	161.9	204.1	254.4	305.1	352.7	394.9	430.6
120°	98.2	107.0	119.6	136.7	164.2	202.4	248.4	294.8	337.6	376.9	408.3
122.5°	104.1	113.1	125.5	141.8	166.1	201.0	243.3	287.1	326.8	361.7	391.1
125°	112.4	121.7	133.5	148.9	169.6	199.1	236.3	275.9	312.3	343.4	369.0
127.5°	120.5	129.8	141.1	155.2	173.3	198.3	229.8	264.5	298.4	327.4	351.4
130°	125.6	134.9	145.9	159.6	175.6	197.7	225.6	257.3	288.7	316.6	339.8
132.5°	130.2	139.5	150.6	163.3	178.1	197.7	222.2	250.1	279.6	304.9	327.2
135°	136.0	145.6	156.6	168.4	181.7	197.7	218.0	241.0	265.5	288.4	308.7
137.5°	141.1	151.0	161.1	172.3	184.9	198.1	214.4	233.1	253.0	272.0	289.2
140°	144.2	153.8	164.2	174.9	186.3	198.4	212.7	228.7	245.5	262.0	276.9
142.5°	147.3	156.4	166.1	176.3	187.1	198.7	211.3	225.1	239.2	253.4	266.4
145°	152.1	160.3	169.6	178.4	188.0	198.4	209.1	220.3	231.3	242.4	252.0
147.5°	156.3	163.5	171.7	179.8	188.4	197.5	206.9	215.6	224.6	233.2	240.4
150°	159.2	165.2	173.1	180.6	188.4	196.6	205.2	213.1	221.0	227.7	234.1
152.5°	161.8	167.2	174.5	181.2	188.1	195.5	203.2	210.3	217.2	223.4	228.4
155°	164.9	169.9	175.9	181.7	187.3	193.5	199.9	205.9	211.7	216.6	220.6
157.5°	168.1	172.0	177.1	182.0	186.4	191.3	196.7	201.7	206.3	210.3	213.3
160°	169.9	173.1	177.7	182.0	185.6	189.9	194.2	198.8	202.4	205.9	208.4
162.5°	171.6	174.2	178.3	181.8	184.7	188.1	191.9	195.6	198.9	202.0	204.2
165°	173.5	175.6	178.4	181.3	183.5	185.6	188.4	191.3	193.8	195.9	197.7
167.5°	174.7	176.1	178.4	180.5	181.5	183.1	185.1	187.1	188.8	190.5	191.8
170°	175.6	176.6	178.4	179.9	180.6	181.7	183.1	184.9	185.9	187.0	187.7
172.5°	176.1	176.6	178.1	179.4	179.5	180.0	181.1	182.3	183.4	184.2	184.6
175°	176.6	176.6	177.7	178.4	178.1	178.1	178.4	179.6	179.6	180.3	180.3
177.5°	176.7	176.7	177.3	177.6	177.0	177.0	177.3	177.6	177.8	177.8	177.8
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

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°	8.6	8.3	8.4	8.4	8.4	8.3	8.6	8.3	8.5	8.4	8.4
90°	7.9	7.9	8.2	8.2	8.2	7.9	7.9	7.9	7.2	6.8	6.5
92.5°	24.7	23.8	23.3	22.7	23.3	23.8	24.7	29.3	34.5	45.8	63.2
95°	103.1	92.4	89.6	83.9	89.6	92.4	103.1	128.5	158.4	202.4	256.6
97.5°	237.6	217.6	207.3	202.7	207.3	217.6	237.6	259.6	301.3	344.2	382.1
100°	323.0	297.3	284.1	278.4	284.1	297.3	323.0	347.6	384.8	421.5	439.0
102.5°	399.8	381.5	367.2	362.9	367.2	381.5	399.8	426.2	451.3	468.9	458.1
105°	496.0	484.3	477.2	472.9	477.2	484.3	496.0	507.6	511.4	495.7	446.9
107.5°	536.5	536.5	534.1	531.3	534.1	536.5	536.5	530.8	512.1	471.8	406.6
110°	541.4	548.2	550.7	550.7	550.7	548.2	541.4	525.3	495.0	444.7	376.9



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	528.0	539.7	545.8	548.5	545.8	539.7	528.0	504.5	468.8	417.9	353.5
115°	495.0	512.1	522.1	526.7	522.1	512.1	495.0	467.2	428.3	379.4	324.1
117.5°	458.4	476.2	486.0	488.9	486.0	476.2	458.4	430.6	394.9	352.7	305.1
120°	434.7	451.8	461.5	464.3	461.5	451.8	434.7	408.3	376.9	337.6	294.8
122.5°	414.8	430.4	440.1	442.6	440.1	430.4	414.8	391.1	361.7	326.8	287.1
125°	389.0	403.6	411.5	415.1	411.5	403.6	389.0	369.0	343.4	312.3	275.9
127.5°	369.6	382.5	389.9	391.5	389.9	382.5	369.6	351.4	327.4	298.4	264.5
130°	357.6	369.4	376.6	378.7	376.6	369.4	357.6	339.8	316.6	288.7	257.3
132.5°	345.1	356.8	363.3	365.8	363.3	356.8	345.1	327.2	304.9	279.6	250.1
135°	324.5	336.2	342.6	344.8	342.6	336.2	324.5	308.7	288.4	265.5	241.0
137.5°	303.3	314.0	319.9	322.2	319.9	314.0	303.3	289.2	272.0	253.0	233.1
140°	290.1	299.4	304.8	306.6	304.8	299.4	290.1	276.9	262.0	245.5	228.7
142.5°	277.6	285.5	290.5	292.1	290.5	285.5	277.6	266.4	253.4	239.2	225.1
145°	260.5	266.6	270.5	272.0	270.5	266.6	260.5	252.0	242.4	231.3	220.3
147.5°	247.2	252.1	254.3	255.0	254.3	252.1	247.2	240.4	233.2	224.6	215.6
150°	239.4	243.8	245.2	245.5	245.2	243.8	239.4	234.1	227.7	221.0	213.1
152.5°	232.9	236.3	237.7	238.1	237.7	236.3	232.9	228.4	223.4	217.2	210.3
155°	224.1	226.6	227.7	228.0	227.7	226.6	224.1	220.6	216.6	211.7	205.9
157.5°	216.1	218.1	219.1	219.0	219.1	218.1	216.1	213.3	210.3	206.3	201.7
160°	211.0	212.7	213.4	213.1	213.4	212.7	211.0	208.4	205.9	202.4	198.8
162.5°	206.1	207.5	207.7	207.6	207.7	207.5	206.1	204.2	202.0	198.9	195.6
165°	199.1	199.9	199.9	199.9	199.9	199.9	199.1	197.7	195.9	193.8	191.3
167.5°	192.5	193.1	192.8	192.7	192.8	193.1	192.5	191.8	190.5	188.8	187.1
170°	188.4	188.8	188.8	188.4	188.8	188.8	188.4	187.7	187.0	185.9	184.9
172.5°	184.7	185.4	184.8	184.4	184.8	185.4	184.7	184.6	184.2	183.4	182.3
175°	180.3	180.6	179.9	179.6	179.9	180.6	180.3	180.3	180.3	179.6	179.6
177.5°	177.6	177.8	177.0	177.0	177.0	177.8	177.6	177.8	177.8	177.8	177.6
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

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°	8.6	8.5	8.1	8.9	8.2	8.4	8.3	8.4	8.9	9.4	9.9
90°	6.1	5.8	4.9	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4
92.5°	93.1	115.0	116.9	81.4	48.8	29.3	18.9	12.7	8.3	5.3	4.3
95°	309.4	316.2	258.0	159.6	81.0	42.8	26.8	18.9	14.9	12.1	11.8
97.5°	391.5	337.7	230.5	127.3	69.8	44.5	33.0	26.0	22.0	20.0	19.6
100°	411.5	322.2	205.6	115.6	69.3	48.6	37.9	31.0	27.2	25.7	24.9
102.5°	399.5	295.2	186.7	110.8	71.8	53.4	43.0	36.8	32.5	31.4	31.0
105°	361.2	258.7	168.4	108.9	77.1	61.4	51.4	45.6	42.1	40.3	40.3
107.5°	322.0	233.7	160.8	112.1	84.9	69.8	60.8	54.8	51.9	50.2	49.5
110°	299.8	222.0	158.4	115.3	90.7	76.0	66.8	61.4	58.2	56.8	56.0



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	283.3	215.1	158.4	119.3	96.0	82.0	73.0	67.7	64.4	63.3	62.6
115°	265.2	207.7	159.6	125.2	104.6	91.4	82.4	77.1	73.9	72.8	72.1
117.5°	254.4	204.1	161.9	132.1	113.3	100.8	92.2	86.0	82.9	81.7	80.7
120°	248.4	202.4	164.2	136.7	119.6	107.0	98.2	92.1	88.9	87.5	86.3
122.5°	243.3	201.0	166.1	141.8	125.5	113.1	104.1	97.6	94.3	93.1	92.4
125°	236.3	199.1	169.6	148.9	133.5	121.7	112.4	105.6	102.4	100.7	100.0
127.5°	229.8	198.3	173.3	155.2	141.1	129.8	120.5	113.3	109.2	106.9	105.8
130°	225.6	197.7	175.6	159.6	145.9	134.9	125.6	118.2	113.5	110.7	109.6
132.5°	222.2	197.7	178.1	163.3	150.6	139.5	130.2	122.4	117.2	113.8	112.4
135°	218.0	197.7	181.7	168.4	156.6	145.6	136.0	128.5	122.8	118.5	117.0
137.5°	214.4	198.1	184.9	172.3	161.1	151.0	141.1	133.7	127.9	124.0	122.9
140°	212.7	198.4	186.3	174.9	164.2	153.8	144.2	137.4	131.7	127.4	126.3
142.5°	211.3	198.7	187.1	176.3	166.1	156.4	147.3	140.9	135.1	131.1	130.4
145°	209.1	198.4	188.0	178.4	169.6	160.3	152.1	145.6	140.6	137.0	136.3
147.5°	206.9	197.5	188.4	179.8	171.7	163.5	156.3	150.8	146.1	143.0	142.6
150°	205.2	196.6	188.4	180.6	173.1	165.2	159.2	154.2	149.6	147.0	146.3
152.5°	203.2	195.5	188.1	181.2	174.5	167.2	161.8	157.0	153.0	150.8	150.4
155°	199.9	193.5	187.3	181.7	175.9	169.9	164.9	161.3	157.7	155.6	155.6
157.5°	196.7	191.3	186.4	182.0	177.1	172.0	168.1	165.0	162.0	160.3	160.4
160°	194.2	189.9	185.6	182.0	177.7	173.1	169.9	167.0	164.5	163.1	163.5
162.5°	191.9	188.1	184.7	181.8	178.3	174.2	171.6	169.4	167.1	165.7	166.0
165°	188.4	185.6	183.5	181.3	178.4	175.6	173.5	172.0	170.3	169.2	169.9
167.5°	185.1	183.1	181.5	180.5	178.4	176.1	174.7	173.7	172.8	172.1	172.5
170°	183.1	181.7	180.6	179.9	178.4	176.6	175.6	174.9	174.2	173.8	174.2
172.5°	181.1	180.0	179.5	179.4	178.1	176.6	176.1	175.7	175.0	174.7	175.3
175°	178.4	178.1	178.1	178.4	177.7	176.6	176.6	176.6	176.3	175.9	176.6
177.5°	177.3	177.0	177.0	177.6	177.3	176.7	176.7	177.0	176.7	176.7	177.3
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

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°	9.7	8.9	7.5	8.0	8.1	7.9	8.0	7.8	7.6	7.7	7.8
90°	0.7	1.4	2.1	2.8	3.5	3.9	4.6	4.9	5.8	6.1	6.5
92.5°	5.3	8.3	12.7	18.9	29.3	48.8	81.4	116.9	115.0	93.1	63.2
95°	12.1	14.9	18.9	26.8	42.8	81.0	159.6	258.0	316.2	309.4	256.6
97.5°	20.0	22.0	26.0	33.0	44.5	69.8	127.3	230.5	337.7	391.5	382.1
100°	25.7	27.2	31.0	37.9	48.6	69.3	115.6	205.6	322.2	411.5	439.0
102.5°	31.4	32.5	36.8	43.0	53.4	71.8	110.8	186.7	295.2	399.5	458.1
105°	40.3	42.1	45.6	51.4	61.4	77.1	108.9	168.4	258.7	361.2	446.9
107.5°	50.2	51.9	54.8	60.8	69.8	84.9	112.1	160.8	233.7	322.0	406.6
110°	56.8	58.2	61.4	66.8	76.0	90.7	115.3	158.4	222.0	299.8	376.9



TEST NUMBER: P333522-840

CATALOG NUMBER: S125RDIP-S610D365U840-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	63.3	64.4	67.7	73.0	82.0	96.0	119.3	158.4	215.1	283.3	353.5
115°	72.8	73.9	77.1	82.4	91.4	104.6	125.2	159.6	207.7	265.2	324.1
117.5°	81.7	82.9	86.0	92.2	100.8	113.3	132.1	161.9	204.1	254.4	305.1
120°	87.5	88.9	92.1	98.2	107.0	119.6	136.7	164.2	202.4	248.4	294.8
122.5°	93.1	94.3	97.6	104.1	113.1	125.5	141.8	166.1	201.0	243.3	287.1
125°	100.7	102.4	105.6	112.4	121.7	133.5	148.9	169.6	199.1	236.3	275.9
127.5°	106.9	109.2	113.3	120.5	129.8	141.1	155.2	173.3	198.3	229.8	264.5
130°	110.7	113.5	118.2	125.6	134.9	145.9	159.6	175.6	197.7	225.6	257.3
132.5°	113.8	117.2	122.4	130.2	139.5	150.6	163.3	178.1	197.7	222.2	250.1
135°	118.5	122.8	128.5	136.0	145.6	156.6	168.4	181.7	197.7	218.0	241.0
137.5°	124.0	127.9	133.7	141.1	151.0	161.1	172.3	184.9	198.1	214.4	233.1
140°	127.4	131.7	137.4	144.2	153.8	164.2	174.9	186.3	198.4	212.7	228.7
142.5°	131.1	135.1	140.9	147.3	156.4	166.1	176.3	187.1	198.7	211.3	225.1
145°	137.0	140.6	145.6	152.1	160.3	169.6	178.4	188.0	198.4	209.1	220.3
147.5°	143.0	146.1	150.8	156.3	163.5	171.7	179.8	188.4	197.5	206.9	215.6
150°	147.0	149.6	154.2	159.2	165.2	173.1	180.6	188.4	196.6	205.2	213.1
152.5°	150.8	153.0	157.0	161.8	167.2	174.5	181.2	188.1	195.5	203.2	210.3
155°	155.6	157.7	161.3	164.9	169.9	175.9	181.7	187.3	193.5	199.9	205.9
157.5°	160.3	162.0	165.0	168.1	172.0	177.1	182.0	186.4	191.3	196.7	201.7
160°	163.1	164.5	167.0	169.9	173.1	177.7	182.0	185.6	189.9	194.2	198.8
162.5°	165.7	167.1	169.4	171.6	174.2	178.3	181.8	184.7	188.1	191.9	195.6
165°	169.2	170.3	172.0	173.5	175.6	178.4	181.3	183.5	185.6	188.4	191.3
167.5°	172.1	172.8	173.7	174.7	176.1	178.4	180.5	181.5	183.1	185.1	187.1
170°	173.8	174.2	174.9	175.6	176.6	178.4	179.9	180.6	181.7	183.1	184.9
172.5°	174.7	175.0	175.7	176.1	176.6	178.1	179.4	179.5	180.0	181.1	182.3
175°	175.9	176.3	176.6	176.6	176.6	177.7	178.4	178.1	178.1	178.4	179.6
177.5°	176.7	176.7	177.0	176.7	176.7	177.3	177.6	177.0	177.0	177.3	177.6
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0



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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°	8.1	8.5	8.0	7.7	7.7	8.1	8.4
90°	6.8	7.2	7.9	7.9	7.9	8.2	8.2
92.5°	45.8	34.5	29.3	24.7	23.8	23.3	22.7
95°	202.4	158.4	128.5	103.1	92.4	89.6	83.9
97.5°	344.2	301.3	259.6	237.6	217.6	207.3	202.7
100°	421.5	384.8	347.6	323.0	297.3	284.1	278.4
102.5°	468.9	451.3	426.2	399.8	381.5	367.2	362.9
105°	495.7	511.4	507.6	496.0	484.3	477.2	472.9
107.5°	471.8	512.1	530.8	536.5	536.5	534.1	531.3
110°	444.7	495.0	525.3	541.4	548.2	550.7	550.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	417.9	468.8	504.5	528.0	539.7	545.8	548.5
115°	379.4	428.3	467.2	495.0	512.1	522.1	526.7
117.5°	352.7	394.9	430.6	458.4	476.2	486.0	488.9
120°	337.6	376.9	408.3	434.7	451.8	461.5	464.3
122.5°	326.8	361.7	391.1	414.8	430.4	440.1	442.6
125°	312.3	343.4	369.0	389.0	403.6	411.5	415.1
127.5°	298.4	327.4	351.4	369.6	382.5	389.9	391.5
130°	288.7	316.6	339.8	357.6	369.4	376.6	378.7
132.5°	279.6	304.9	327.2	345.1	356.8	363.3	365.8
135°	265.5	288.4	308.7	324.5	336.2	342.6	344.8
137.5°	253.0	272.0	289.2	303.3	314.0	319.9	322.2
140°	245.5	262.0	276.9	290.1	299.4	304.8	306.6
142.5°	239.2	253.4	266.4	277.6	285.5	290.5	292.1
145°	231.3	242.4	252.0	260.5	266.6	270.5	272.0
147.5°	224.6	233.2	240.4	247.2	252.1	254.3	255.0
150°	221.0	227.7	234.1	239.4	243.8	245.2	245.5
152.5°	217.2	223.4	228.4	232.9	236.3	237.7	238.1
155°	211.7	216.6	220.6	224.1	226.6	227.7	228.0
157.5°	206.3	210.3	213.3	216.1	218.1	219.1	219.0
160°	202.4	205.9	208.4	211.0	212.7	213.4	213.1
162.5°	198.9	202.0	204.2	206.1	207.5	207.7	207.6
165°	193.8	195.9	197.7	199.1	199.9	199.9	199.9
167.5°	188.8	190.5	191.8	192.5	193.1	192.8	192.7
170°	185.9	187.0	187.7	188.4	188.8	188.8	188.4
172.5°	183.4	184.2	184.6	184.7	185.4	184.8	184.4
175°	179.6	180.3	180.3	180.3	180.6	179.9	179.6
177.5°	177.8	177.8	177.8	177.6	177.8	177.0	177.0
180°	177.0	177.0	177.0	177.0	177.0	177.0	177.0

(END OF REPORT)