

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: P333528-927

Luminaire Tested: **S125RDIP-S610D590U927-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333528-927
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-S610D590U927-4F0-1E-UDD-A4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 610 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3581.3 lumens
Efficiency: N/A
Efficacy: 109.2 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

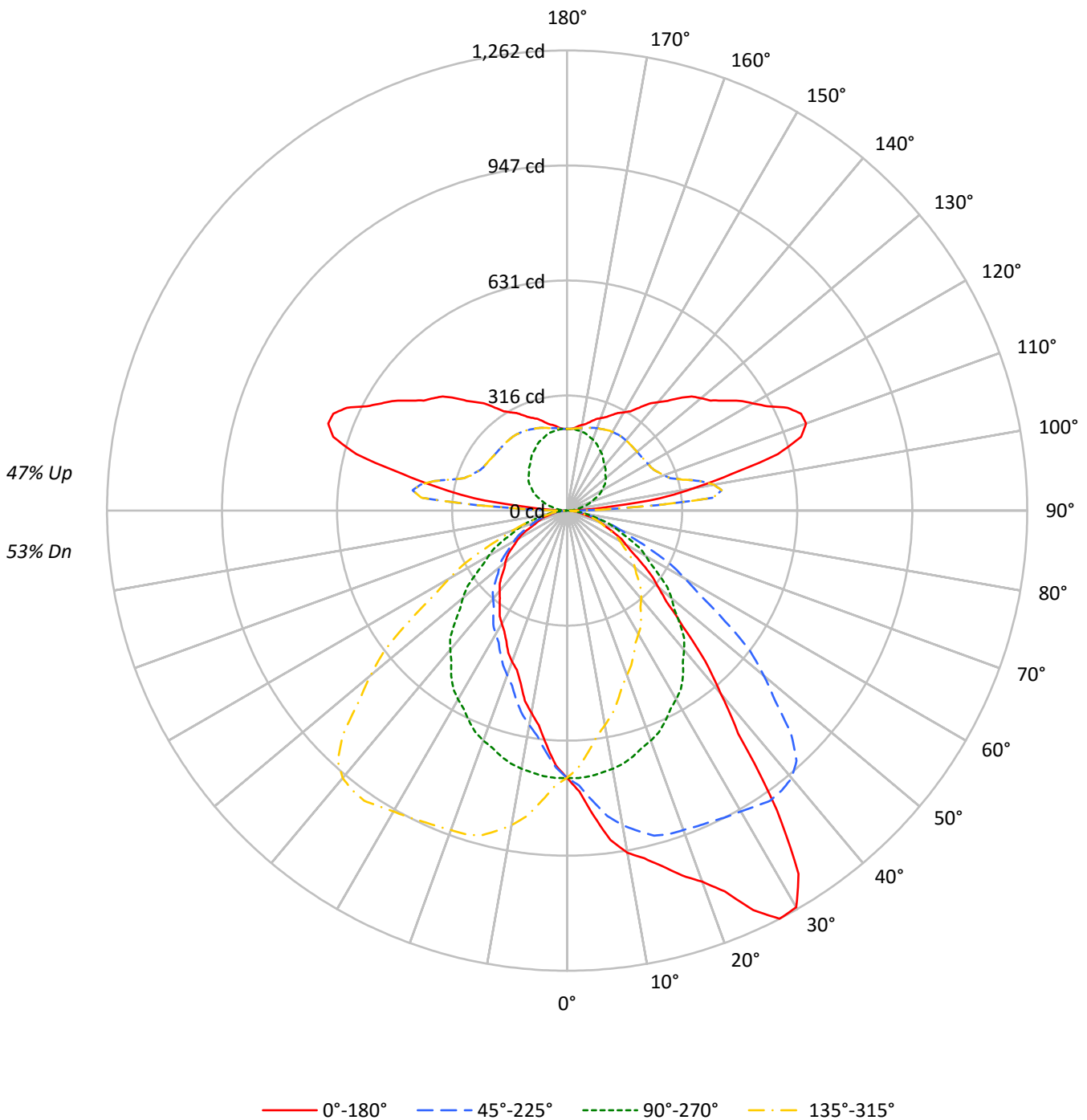
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

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	85	85	85	71	71	71	59	59	59	53
1	99	95	91	88	92	88	85	82	75	73	71	64	62	60	53	52	51	46
2	90	83	77	72	84	77	72	68	66	63	59	56	54	51	47	45	43	39
3	83	74	66	61	76	68	62	57	59	54	50	50	47	44	42	39	37	33
4	76	65	58	52	70	61	54	49	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	42	37	40	36	33	34	31	28	25
6	64	52	44	39	59	49	42	37	43	37	33	37	32	29	31	28	25	22
7	60	47	40	34	55	44	37	32	39	33	29	33	29	26	28	25	22	20
8	55	43	35	30	51	40	33	29	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	26	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4735	4735	4735	4735
5°	5447	4741	4187	4741
10°	6248	4716	3694	4716
15°	6748	4668	3284	4668
20°	7442	4612	3032	4612
25°	8612	4538	2813	4538
30°	9371	4459	2671	4459
35°	7905	4368	2539	4368
40°	5520	4204	2426	4204
45°	4095	3982	2314	3982
50°	3265	3752	2219	3752
55°	2771	3466	2135	3466
60°	2395	3211	1998	3211
65°	2135	2934	1721	2934
70°	1875	2689	1567	2689
75°	1622	2328	1472	2328
80°	1231	1960	1231	1960
85°	1030	1541	1163	1541



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	2.0
10°-20°	206.0	5.8
20°-30°	326.6	9.1
30°-40°	393.9	11.0
40°-50°	351.8	9.8
50°-60°	269.8	7.5
60°-70°	175.3	4.9
70°-80°	85.2	2.4
80°-90°	21.6	0.6
90°-100°	162.5	4.5
100°-110°	349.2	9.8
110°-120°	327.8	9.2
120°-130°	265.6	7.4
130°-140°	213.2	6.0
140°-150°	160.9	4.5
150°-160°	113.2	3.2
160°-170°	66.7	1.9
170°-180°	21.7	0.6
0°-30°	602.9	16.8
0°-40°	996.8	27.8
0°-60°	1618.4	45.2
0°-90°	1900.5	53.1
90°-120°	839.5	23.4
90°-150°	1479.1	41.3
90°-180°	1681.0	46.9
0°-180°	3581.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	733	733	733	733	733	
5°	840	731	646	731	840	84
15°	1009	698	491	698	1009	289
25°	1209	637	395	637	1209	555
35°	1003	554	322	554	1003	606
45°	448	436	253	436	448	358
55°	246	308	190	308	246	223
65°	140	192	113	192	140	139
75°	65	93	59	93	65	69
85°	14	21	16	21	14	16
90°	10	0	10	0	10	8
95°	106	15	106	15	106	150
105°	599	51	599	51	599	595
115°	667	91	667	91	667	652
125°	526	126	526	126	526	475
135°	436	148	436	148	436	338
145°	344	173	344	173	344	219
155°	289	197	289	197	289	135
165°	253	215	253	215	253	72
175°	227	224	227	224	227	22
180°	224	224	224	224	224	



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	771.1	770.6	771.6	768.9	769.2	765.1	765.1	761.9	757.9	754.7	753.3
5°	840.2	840.8	839.6	835.0	832.0	827.5	822.4	813.4	805.9	798.7	793.0
7.5°	911.3	911.7	907.8	906.4	898.8	893.3	881.9	869.7	858.7	844.9	834.3
10°	952.8	952.4	948.2	944.9	938.3	929.9	918.7	904.3	890.7	875.7	861.3
12.5°	976.8	976.0	974.7	970.7	964.6	957.0	947.6	933.4	916.7	900.2	883.4
15°	1009.3	1007.2	1003.3	998.1	989.4	980.7	970.2	957.6	941.6	923.0	907.3
17.5°	1049.5	1049.6	1043.5	1036.5	1024.6	1009.2	992.9	972.6	950.9	930.3	913.7
20°	1082.8	1081.8	1075.8	1062.0	1048.5	1029.2	1010.5	985.6	959.1	932.2	911.5
22.5°	1130.4	1128.1	1121.8	1103.6	1082.6	1057.8	1029.3	998.8	966.8	936.4	909.1
25°	1208.6	1206.7	1194.4	1173.3	1143.8	1105.6	1068.3	1026.4	980.4	940.4	907.3
27.5°	1261.9	1260.0	1250.9	1233.3	1206.1	1165.9	1115.4	1059.5	1002.0	947.0	899.2
30°	1256.6	1261.2	1260.0	1251.9	1231.4	1195.2	1148.7	1085.8	1017.4	952.8	895.9
32.5°	1181.1	1185.1	1195.7	1211.6	1212.8	1198.4	1163.6	1105.5	1034.7	961.2	893.2
35°	1002.7	1008.1	1028.6	1060.7	1102.9	1138.1	1145.3	1114.0	1050.5	971.4	889.2
37.5°	770.9	800.5	817.7	851.6	915.2	980.0	1042.3	1065.2	1038.2	967.2	882.8
40°	654.8	662.0	692.8	730.9	784.5	851.9	940.7	1004.8	1006.9	957.6	872.7
42.5°	560.5	569.6	590.7	621.2	667.0	734.4	826.1	910.7	949.8	931.1	859.4
45°	448.4	455.3	470.6	494.1	529.3	585.0	663.8	761.7	839.3	869.7	823.9
47.5°	368.4	372.1	385.4	403.3	429.4	469.9	530.9	615.8	709.0	774.3	767.9
50°	325.0	329.2	339.5	353.0	374.9	409.2	458.0	528.7	624.7	704.5	720.4
52.5°	291.3	294.8	301.2	314.0	332.1	358.5	397.8	461.8	548.2	633.0	669.9
55°	246.1	248.6	253.7	260.9	275.4	294.3	328.3	372.6	442.4	527.8	582.0
57.5°	209.0	210.2	213.4	220.1	230.0	243.9	268.5	306.0	356.1	433.0	492.8
60°	185.4	186.6	190.8	195.3	203.1	215.8	235.0	261.2	309.3	372.9	433.3
62.5°	166.6	167.3	169.1	173.6	180.5	190.3	205.4	226.8	265.1	320.8	378.0
65°	139.7	139.9	140.5	144.2	148.4	155.6	165.5	180.5	209.5	251.6	302.1
67.5°	113.8	114.2	116.3	117.6	121.9	125.7	131.6	143.1	163.4	191.8	231.1
70°	99.3	99.0	101.1	102.6	104.1	108.6	112.6	121.8	134.5	156.2	189.0
72.5°	85.8	85.1	86.0	86.5	88.5	91.6	95.5	101.2	110.9	125.9	150.9
75°	65.0	65.3	65.3	65.9	67.4	68.6	69.8	72.8	78.3	88.2	101.7
77.5°	45.6	45.2	46.4	46.6	47.5	48.8	49.8	51.0	53.2	57.4	64.3
80°	33.1	33.1	33.4	34.3	34.0	34.6	36.1	37.3	40.0	42.5	44.8
82.5°	25.4	25.2	25.4	25.7	25.6	26.1	26.7	26.9	28.0	29.2	30.9
85°	13.9	13.9	14.2	14.2	14.4	14.4	14.7	14.7	14.7	15.1	15.4
87.5°	7.4	7.1	6.8	6.8	7.1	7.4	7.1	6.7	6.6	6.5	6.6
90°	10.4	10.4	9.9	9.9	9.9	9.0	8.6	8.2	7.7	7.2	6.3
92.5°	28.8	29.5	30.2	31.3	37.1	43.7	58.1	80.1	118.0	145.7	148.1
95°	106.2	113.4	117.0	130.6	162.7	200.7	256.2	324.9	391.8	400.4	326.7
97.5°	256.7	262.4	275.5	300.9	328.8	381.6	435.7	483.9	495.7	427.5	291.8
100°	352.4	359.7	376.4	408.9	440.1	487.1	533.7	555.8	521.0	408.1	260.3
102.5°	459.5	464.9	483.1	506.2	539.6	571.3	593.7	580.0	505.8	373.7	236.4
105°	598.7	604.2	613.2	628.1	642.5	647.5	627.6	565.8	457.3	327.6	213.3
107.5°	672.6	676.3	679.3	679.4	672.0	648.5	597.4	514.8	407.8	295.9	203.5
110°	697.3	697.3	694.1	685.5	665.2	626.8	563.1	477.2	379.6	281.1	200.7



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	694.3	691.1	683.3	668.5	638.8	593.5	529.1	447.6	358.6	272.4	200.7
115°	667.0	661.1	648.5	626.8	591.5	542.2	480.4	410.3	335.7	263.0	202.0
117.5°	619.0	615.4	602.9	580.4	545.2	499.9	446.6	386.3	322.1	258.4	204.9
120°	587.9	584.3	572.1	550.4	517.0	477.2	427.5	373.3	314.5	256.2	207.9
122.5°	560.4	557.1	544.9	525.1	495.3	458.0	413.8	363.5	308.0	254.4	210.4
125°	525.5	521.0	511.1	492.6	467.2	434.7	395.4	349.3	299.1	252.2	214.7
127.5°	495.7	493.7	484.3	467.9	445.0	414.5	377.9	334.9	291.0	251.0	219.4
130°	479.4	476.7	467.7	452.8	430.2	400.8	365.6	325.8	285.6	250.3	222.4
132.5°	463.2	460.1	451.8	436.9	414.3	386.0	354.0	316.8	281.2	250.3	225.6
135°	436.5	433.8	425.6	410.7	390.9	365.1	336.2	305.0	276.1	250.3	230.0
137.5°	408.1	405.0	397.6	384.0	366.2	344.4	320.3	295.1	271.5	250.9	234.1
140°	388.2	385.9	379.1	367.4	350.7	331.7	310.9	289.6	269.3	251.3	235.9
142.5°	369.7	367.8	361.4	351.5	337.3	320.8	302.9	284.9	267.5	251.6	236.9
145°	344.4	342.5	337.5	329.9	319.0	306.8	292.8	278.8	264.8	251.3	238.1
147.5°	322.8	322.0	319.1	313.0	304.4	295.2	284.4	273.1	262.0	250.1	238.6
150°	310.9	310.5	308.6	303.2	296.4	288.3	279.7	269.7	259.8	249.0	238.6
152.5°	301.5	301.0	299.2	294.9	289.2	282.9	275.0	266.2	257.3	247.6	238.2
155°	288.8	288.3	286.9	283.8	279.2	274.3	268.0	260.7	253.0	244.9	237.3
157.5°	277.3	277.4	276.2	273.5	270.1	266.2	261.3	255.3	249.1	242.2	236.1
160°	269.7	270.2	269.3	267.0	263.9	260.7	256.2	251.7	245.8	240.4	235.0
162.5°	262.9	263.0	262.8	260.9	258.5	255.6	251.9	247.7	243.0	238.2	233.9
165°	253.0	253.0	253.0	252.2	250.3	248.1	245.3	242.2	238.6	235.0	232.3
167.5°	244.0	244.1	244.5	243.7	242.7	241.1	239.1	236.9	234.3	231.8	229.7
170°	238.6	239.1	239.1	238.6	237.7	236.8	235.4	234.1	231.8	230.0	228.6
172.5°	233.5	234.0	234.7	233.9	233.7	233.1	232.2	230.8	229.3	227.8	227.2
175°	227.3	227.8	228.6	228.2	228.2	228.2	227.3	227.3	225.9	225.5	225.5
177.5°	224.1	224.1	225.2	224.8	225.2	225.2	225.2	224.8	224.5	224.1	224.1
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	753.3	751.6	748.5	745.6	742.0	738.9	736.7	734.0	730.6	726.6	723.2
5°	786.6	780.0	771.3	763.7	754.2	746.6	738.8	731.3	723.7	714.1	705.7
7.5°	823.6	809.9	796.6	779.9	764.7	751.1	738.2	725.0	712.1	698.5	685.2
10°	846.2	829.7	811.3	790.2	771.0	752.7	735.8	719.2	701.8	686.4	669.9
12.5°	867.4	846.1	825.1	798.4	775.3	752.9	731.4	710.8	692.1	672.2	654.4
15°	886.5	865.5	842.0	809.5	777.3	750.2	724.9	698.2	675.0	652.7	632.9
17.5°	893.9	871.9	844.5	813.3	778.2	744.1	711.5	682.1	654.9	628.9	606.6
20°	891.0	869.7	841.7	811.9	774.3	738.8	703.5	671.1	640.6	613.3	589.5
22.5°	884.1	862.0	835.0	803.5	767.8	730.1	692.5	657.8	626.0	597.6	571.7
25°	873.6	843.5	815.8	785.1	751.1	713.8	675.0	636.8	602.8	573.9	545.6
27.5°	862.7	825.1	790.0	759.4	723.5	690.2	652.8	613.6	577.8	548.4	519.4
30°	852.9	810.7	771.9	737.3	703.3	671.7	636.1	597.9	561.3	530.8	501.4
32.5°	840.6	795.7	753.1	713.2	680.4	649.0	616.9	580.4	544.6	513.3	483.3
35°	825.1	767.9	721.6	679.2	642.8	612.4	583.5	554.0	518.2	485.7	456.5
37.5°	804.9	740.1	686.4	640.2	601.8	571.2	548.5	521.5	488.9	457.7	430.6
40°	792.7	719.9	661.2	615.4	575.0	542.9	521.5	498.6	468.8	439.7	412.6
42.5°	776.3	701.3	635.6	588.0	547.4	516.4	494.8	474.8	449.8	422.3	393.3
45°	744.2	665.4	596.4	545.3	504.4	474.0	453.8	436.0	417.1	391.8	366.5
47.5°	702.4	627.9	555.7	499.9	459.8	431.6	412.0	398.0	384.4	363.0	338.4
50°	669.0	597.1	526.6	472.5	429.8	402.9	384.6	373.4	361.1	341.6	321.1
52.5°	629.5	565.3	496.3	440.9	400.6	375.5	357.8	346.7	336.5	320.6	301.1
55°	567.3	511.0	447.7	397.5	360.5	335.3	318.4	307.8	301.8	288.3	272.9
57.5°	495.4	455.1	399.4	350.9	318.2	293.2	280.9	272.0	265.1	255.6	244.7
60°	445.4	417.1	367.1	321.1	291.0	267.2	256.1	248.6	242.2	234.1	225.7
62.5°	394.6	374.0	330.6	291.0	263.3	243.4	233.0	226.2	218.9	213.4	205.3
65°	326.5	308.2	278.1	247.1	221.5	205.6	198.0	192.0	187.5	181.5	175.7
67.5°	254.0	246.5	225.8	204.4	186.0	171.8	165.3	161.1	155.7	152.1	148.1
70°	209.5	205.8	191.1	177.0	159.8	150.2	144.2	142.4	135.7	132.1	129.4
72.5°	170.0	168.3	159.8	150.0	137.9	129.4	123.9	121.8	117.6	114.8	113.0
75°	116.5	117.1	115.6	109.2	104.7	99.3	94.5	93.3	90.3	87.9	86.3
77.5°	73.7	76.8	76.8	76.5	74.8	71.5	69.5	68.5	65.6	64.7	64.3
80°	50.5	53.9	56.9	56.6	56.0	55.1	53.6	52.7	51.2	50.2	49.7
82.5°	33.7	36.8	39.3	41.0	40.8	39.9	38.9	38.4	38.2	37.5	37.4
85°	15.9	16.6	17.4	19.6	21.1	21.4	21.1	20.8	19.9	20.2	20.4
87.5°	6.7	6.5	6.7	6.5	6.1	7.1	7.6	7.8	7.4	7.1	6.8
90°	5.9	5.0	4.5	3.6	2.7	1.8	0.9	0.5	0.9	1.8	2.7
92.5°	103.1	61.7	37.1	23.8	16.1	10.5	6.7	5.5	6.7	10.5	16.1
95°	202.0	102.6	54.3	33.9	23.9	19.0	15.4	14.9	15.4	19.0	23.9
97.5°	161.2	88.4	56.4	41.7	32.8	27.8	25.3	24.8	25.3	27.8	32.8
100°	146.4	87.7	61.5	47.9	39.3	34.4	32.6	31.6	32.6	34.4	39.3
102.5°	140.3	90.9	67.6	54.4	46.6	41.2	39.8	39.2	39.8	41.2	46.6
105°	137.8	97.6	77.7	65.0	57.8	53.3	51.1	51.1	51.1	53.3	57.8
107.5°	142.0	107.6	88.3	76.9	69.4	65.7	63.5	62.7	63.5	65.7	69.4
110°	145.9	114.8	96.3	84.5	77.7	73.7	71.9	71.0	71.9	73.7	77.7



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	151.0	121.7	103.9	92.4	85.7	81.6	80.2	79.3	80.2	81.6	85.7
115°	158.6	132.4	115.7	104.4	97.6	93.6	92.2	91.3	92.2	93.6	97.6
117.5°	167.3	143.5	127.6	116.7	109.0	105.0	103.5	102.1	103.5	105.0	109.0
120°	173.1	151.4	135.5	124.3	116.6	112.5	110.7	109.3	110.7	112.5	116.6
122.5°	179.6	159.0	143.1	131.9	123.4	119.4	118.0	116.9	118.0	119.4	123.4
125°	188.5	169.0	154.1	142.4	133.7	129.7	127.5	126.5	127.5	129.7	133.7
127.5°	196.5	178.6	164.3	152.6	143.5	138.3	135.4	134.0	135.4	138.3	143.5
130°	202.0	184.8	170.8	159.1	149.6	143.7	140.1	138.7	140.1	143.7	149.6
132.5°	206.7	190.6	176.6	164.9	155.0	148.4	144.1	142.4	144.1	148.4	155.0
135°	213.3	198.4	184.3	172.1	162.7	155.4	150.0	148.2	150.0	155.4	162.7
137.5°	218.2	203.9	191.2	178.6	169.3	162.1	157.0	155.7	157.0	162.1	169.3
140°	221.4	207.9	194.8	182.6	174.0	166.8	161.3	159.9	161.3	166.8	174.0
142.5°	223.2	210.4	198.0	186.6	178.3	171.1	166.0	165.0	166.0	171.1	178.3
145°	225.9	214.7	202.9	192.5	184.3	178.0	173.5	172.6	173.5	178.0	184.3
147.5°	227.6	217.4	207.1	197.9	190.8	185.0	181.1	180.5	181.1	185.0	190.8
150°	228.6	219.2	209.2	201.5	195.2	189.3	186.2	185.3	186.2	189.3	195.2
152.5°	229.3	220.9	211.8	204.8	198.8	193.7	190.8	190.4	190.8	193.7	198.8
155°	230.0	222.8	215.1	208.7	204.2	199.7	197.0	197.0	197.0	199.7	204.2
157.5°	230.4	224.3	217.7	212.9	209.0	205.1	202.9	203.0	202.9	205.1	209.0
160°	230.4	225.1	219.2	215.1	211.5	208.3	206.5	207.0	206.5	208.3	211.5
162.5°	230.1	225.8	220.6	217.3	214.4	211.6	209.8	210.2	209.8	211.6	214.4
165°	229.6	225.9	222.4	219.6	217.8	215.6	214.2	215.1	214.2	215.6	217.8
167.5°	228.5	225.9	222.9	221.3	220.0	218.7	217.9	218.3	217.9	218.7	220.0
170°	227.8	225.9	223.7	222.4	221.4	220.5	220.1	220.5	220.1	220.5	221.4
172.5°	227.0	225.6	223.7	223.1	222.5	221.6	221.2	222.0	221.2	221.6	222.5
175°	225.9	225.1	223.7	223.7	223.7	223.2	222.8	223.7	222.8	223.2	223.7
177.5°	224.8	224.5	223.8	223.8	224.1	223.8	223.8	224.5	223.8	223.8	224.1
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	720.8	717.4	715.0	710.2	706.8	705.4	702.7	702.0	704.6	702.7	702.5
5°	699.3	690.6	683.7	676.8	669.2	664.5	657.2	656.0	654.2	651.5	650.9
7.5°	673.7	662.3	653.4	641.9	632.0	624.0	615.0	610.7	608.3	604.8	600.2
10°	656.3	642.8	630.7	619.3	607.0	597.1	588.0	581.1	576.6	572.4	570.5
12.5°	639.2	625.4	610.1	596.2	582.4	571.2	561.3	556.7	551.8	546.8	542.6
15°	612.7	594.3	577.5	561.5	549.8	537.7	528.1	521.5	514.0	511.9	503.7
17.5°	584.6	566.5	546.8	530.0	516.4	503.1	492.6	485.1	479.3	471.6	467.9
20°	567.0	545.6	526.3	511.0	495.9	480.3	469.4	463.1	457.7	451.4	448.4
22.5°	548.2	527.3	507.6	489.6	474.3	458.8	451.1	444.6	438.5	432.6	428.6
25°	520.6	499.6	478.8	460.1	444.2	433.0	424.0	416.5	413.2	407.4	403.2
27.5°	493.4	471.0	449.4	430.8	418.3	407.3	399.9	394.0	387.9	382.9	379.3
30°	475.8	452.9	429.4	414.7	401.4	390.9	382.8	377.1	372.6	368.0	365.4
32.5°	458.2	434.6	413.8	397.8	385.3	376.2	367.9	362.3	357.6	352.6	349.4
35°	430.0	405.9	389.1	373.4	361.1	352.7	347.0	339.1	335.3	331.6	328.3
37.5°	403.9	381.4	363.2	349.5	338.8	330.4	323.1	318.8	314.0	310.8	308.0
40°	384.6	364.1	347.6	333.1	325.3	316.0	309.0	303.6	300.0	295.8	292.8
42.5°	367.3	348.2	332.2	319.2	309.4	301.5	294.9	289.5	284.9	281.9	279.3
45°	342.8	323.8	308.2	296.1	287.1	279.6	272.7	269.9	263.9	260.3	259.1
47.5°	317.4	300.5	285.3	274.3	265.0	257.9	251.4	245.9	242.6	239.0	237.1
50°	300.3	284.1	269.9	259.1	250.1	242.2	236.2	232.6	228.1	224.8	222.4
52.5°	283.2	268.2	254.1	243.7	235.8	228.1	221.3	217.7	213.4	211.3	209.6
55°	258.8	242.9	230.8	220.5	212.5	205.3	198.9	195.3	192.6	190.5	189.9
57.5°	231.1	218.5	207.3	198.0	189.6	182.8	177.3	173.9	171.5	171.2	169.4
60°	213.0	201.6	191.4	181.5	174.2	167.9	163.1	159.2	156.8	156.5	155.9
62.5°	195.0	184.0	174.5	165.8	159.3	153.2	148.7	144.3	142.8	141.3	140.0
65°	168.2	158.3	150.4	143.5	136.7	131.5	127.0	124.3	121.0	119.1	115.9
67.5°	141.9	134.2	126.7	120.9	115.4	110.6	106.9	102.8	100.6	99.1	96.7
70°	124.6	118.6	111.1	104.7	100.5	96.6	93.6	89.0	87.5	86.3	85.2
72.5°	108.2	102.9	96.6	91.5	87.3	83.6	80.1	78.0	76.5	75.3	74.5
75°	85.2	80.0	74.6	71.0	68.0	65.0	63.2	61.7	61.1	60.8	59.6
77.5°	62.5	59.8	55.5	52.6	50.6	49.4	47.8	47.0	47.0	45.6	45.2
80°	47.8	46.3	42.7	41.5	40.0	38.8	37.9	36.4	34.9	34.3	33.4
82.5°	35.6	34.1	32.6	30.7	29.5	28.7	27.8	27.3	27.4	26.6	26.1
85°	18.9	17.4	16.9	16.6	15.9	16.6	16.2	15.9	15.7	15.4	15.7
87.5°	6.7	6.9	6.7	7.4	6.8	7.2	7.3	7.1	7.3	7.4	7.3
90°	3.6	4.5	5.0	5.9	6.3	7.2	7.7	8.2	8.6	9.0	9.9
92.5°	23.8	37.1	61.7	103.1	148.1	145.7	118.0	80.1	58.1	43.7	37.1
95°	33.9	54.3	102.6	202.0	326.7	400.4	391.8	324.9	256.2	200.7	162.7
97.5°	41.7	56.4	88.4	161.2	291.8	427.5	495.7	483.9	435.7	381.6	328.8
100°	47.9	61.5	87.7	146.4	260.3	408.1	521.0	555.8	533.7	487.1	440.1
102.5°	54.4	67.6	90.9	140.3	236.4	373.7	505.8	580.0	593.7	571.3	539.6
105°	65.0	77.7	97.6	137.8	213.3	327.6	457.3	565.8	627.6	647.5	642.5
107.5°	76.9	88.3	107.6	142.0	203.5	295.9	407.8	514.8	597.4	648.5	672.0
110°	84.5	96.3	114.8	145.9	200.7	281.1	379.6	477.2	563.1	626.8	665.2



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	92.4	103.9	121.7	151.0	200.7	272.4	358.6	447.6	529.1	593.5	638.8
115°	104.4	115.7	132.4	158.6	202.0	263.0	335.7	410.3	480.4	542.2	591.5
117.5°	116.7	127.6	143.5	167.3	204.9	258.4	322.1	386.3	446.6	499.9	545.2
120°	124.3	135.5	151.4	173.1	207.9	256.2	314.5	373.3	427.5	477.2	517.0
122.5°	131.9	143.1	159.0	179.6	210.4	254.4	308.0	363.5	413.8	458.0	495.3
125°	142.4	154.1	169.0	188.5	214.7	252.2	299.1	349.3	395.4	434.7	467.2
127.5°	152.6	164.3	178.6	196.5	219.4	251.0	291.0	334.9	377.9	414.5	445.0
130°	159.1	170.8	184.8	202.0	222.4	250.3	285.6	325.8	365.6	400.8	430.2
132.5°	164.9	176.6	190.6	206.7	225.6	250.3	281.2	316.8	354.0	386.0	414.3
135°	172.1	184.3	198.4	213.3	230.0	250.3	276.1	305.0	336.2	365.1	390.9
137.5°	178.6	191.2	203.9	218.2	234.1	250.9	271.5	295.1	320.3	344.4	366.2
140°	182.6	194.8	207.9	221.4	235.9	251.3	269.3	289.6	310.9	331.7	350.7
142.5°	186.6	198.0	210.4	223.2	236.9	251.6	267.5	284.9	302.9	320.8	337.3
145°	192.5	202.9	214.7	225.9	238.1	251.3	264.8	278.8	292.8	306.8	319.0
147.5°	197.9	207.1	217.4	227.6	238.6	250.1	262.0	273.1	284.4	295.2	304.4
150°	201.5	209.2	219.2	228.6	238.6	249.0	259.8	269.7	279.7	288.3	296.4
152.5°	204.8	211.8	220.9	229.3	238.2	247.6	257.3	266.2	275.0	282.9	289.2
155°	208.7	215.1	222.8	230.0	237.3	244.9	253.0	260.7	268.0	274.3	279.2
157.5°	212.9	217.7	224.3	230.4	236.1	242.2	249.1	255.3	261.3	266.2	270.1
160°	215.1	219.2	225.1	230.4	235.0	240.4	245.8	251.7	256.2	260.7	263.9
162.5°	217.3	220.6	225.8	230.1	233.9	238.2	243.0	247.7	251.9	255.6	258.5
165°	219.6	222.4	225.9	229.6	232.3	235.0	238.6	242.2	245.3	248.1	250.3
167.5°	221.3	222.9	225.9	228.5	229.7	231.8	234.3	236.9	239.1	241.1	242.7
170°	222.4	223.7	225.9	227.8	228.6	230.0	231.8	234.1	235.4	236.8	237.7
172.5°	223.1	223.7	225.6	227.0	227.2	227.8	229.3	230.8	232.2	233.1	233.7
175°	223.7	223.7	225.1	225.9	225.5	225.5	225.9	227.3	227.3	228.2	228.2
177.5°	223.8	223.8	224.5	224.8	224.1	224.1	224.5	224.8	225.2	225.2	225.2
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	702.3	699.6	698.9	699.8	698.9	699.6	702.3	702.5	702.7	704.6	702.0
5°	647.9	644.9	646.4	645.8	646.4	644.9	647.9	650.9	651.5	654.2	656.0
7.5°	600.1	596.4	592.4	593.7	592.4	596.4	600.1	600.2	604.8	608.3	610.7
10°	566.6	563.6	561.8	563.3	561.8	563.6	566.6	570.5	572.4	576.6	581.1
12.5°	538.4	536.7	535.1	534.5	535.1	536.7	538.4	542.6	546.8	551.8	556.7
15°	500.1	496.5	495.0	491.2	495.0	496.5	500.1	503.7	511.9	514.0	521.5
17.5°	464.8	463.6	459.7	458.0	459.7	463.6	464.8	467.9	471.6	479.3	485.1
20°	443.9	442.7	438.8	441.2	438.8	442.7	443.9	448.4	451.4	457.7	463.1
22.5°	426.5	423.9	422.6	421.9	422.6	423.9	426.5	428.6	432.6	438.5	444.6
25°	402.0	398.2	396.6	394.8	396.6	398.2	402.0	403.2	407.4	413.2	416.5
27.5°	377.6	375.5	373.5	373.0	373.5	375.5	377.6	379.3	382.9	387.9	394.0
30°	361.7	359.6	358.1	358.1	358.1	359.6	361.7	365.4	368.0	372.6	377.1
32.5°	347.5	345.9	344.4	344.1	344.4	345.9	347.5	349.4	352.6	357.6	362.3
35°	326.8	324.4	323.8	322.0	323.8	324.4	326.8	328.3	331.6	335.3	339.1
37.5°	305.3	303.3	303.2	303.1	303.2	303.3	305.3	308.0	310.8	314.0	318.8
40°	291.6	290.1	289.8	287.7	289.8	290.1	291.6	292.8	295.8	300.0	303.6
42.5°	276.9	276.2	275.1	274.2	275.1	276.2	276.9	279.3	281.9	284.9	289.5
45°	257.0	254.9	254.9	253.4	254.9	254.9	257.0	259.1	260.3	263.9	269.9
47.5°	236.4	234.8	235.0	233.4	235.0	234.8	236.4	237.1	239.0	242.6	245.9
50°	222.7	221.8	221.5	220.9	221.5	221.8	222.7	222.4	224.8	228.1	232.6
52.5°	209.0	208.6	209.7	208.3	209.7	208.6	209.0	209.6	211.3	213.4	217.7
55°	190.5	189.6	191.4	189.6	191.4	189.6	190.5	189.9	190.5	192.6	195.3
57.5°	169.2	168.4	170.0	169.1	170.0	168.4	169.2	169.4	171.2	171.5	173.9
60°	155.3	153.4	154.4	154.7	154.4	153.4	155.3	155.9	156.5	156.8	159.2
62.5°	138.6	137.6	138.2	136.9	138.2	137.6	138.6	140.0	141.3	142.8	144.3
65°	115.3	114.4	113.1	112.6	113.1	114.4	115.3	115.9	119.1	121.0	124.3
67.5°	96.8	94.7	94.6	95.1	94.6	94.7	96.8	96.7	99.1	100.6	102.8
70°	83.3	83.3	83.0	83.0	83.0	83.3	83.3	85.2	86.3	87.5	89.0
72.5°	74.0	73.8	73.2	73.0	73.2	73.8	74.0	74.5	75.3	76.5	78.0
75°	59.6	59.9	59.3	59.0	59.3	59.9	59.6	59.6	60.8	61.1	61.7
77.5°	44.0	42.7	43.4	42.7	43.4	42.7	44.0	45.2	45.6	47.0	47.0
80°	33.4	33.1	34.0	33.1	34.0	33.1	33.4	33.4	34.3	34.9	36.4
82.5°	26.5	26.1	26.5	25.9	26.5	26.1	26.5	26.1	26.6	27.4	27.3
85°	15.9	15.7	15.4	15.7	15.4	15.7	15.9	15.7	15.4	15.7	15.9
87.5°	7.5	7.3	7.4	7.4	7.4	7.3	7.5	7.3	7.4	7.3	7.1
90°	9.9	9.9	10.4	10.4	10.4	9.9	9.9	9.9	9.0	8.6	8.2
92.5°	31.3	30.2	29.5	28.8	29.5	30.2	31.3	37.1	43.7	58.1	80.1
95°	130.6	117.0	113.4	106.2	113.4	117.0	130.6	162.7	200.7	256.2	324.9
97.5°	300.9	275.5	262.4	256.7	262.4	275.5	300.9	328.8	381.6	435.7	483.9
100°	408.9	376.4	359.7	352.4	359.7	376.4	408.9	440.1	487.1	533.7	555.8
102.5°	506.2	483.1	464.9	459.5	464.9	483.1	506.2	539.6	571.3	593.7	580.0
105°	628.1	613.2	604.2	598.7	604.2	613.2	628.1	642.5	647.5	627.6	565.8
107.5°	679.4	679.3	676.3	672.6	676.3	679.3	679.4	672.0	648.5	597.4	514.8
110°	685.5	694.1	697.3	697.3	697.3	694.1	685.5	665.2	626.8	563.1	477.2



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	668.5	683.3	691.1	694.3	691.1	683.3	668.5	638.8	593.5	529.1	447.6
115°	626.8	648.5	661.1	667.0	661.1	648.5	626.8	591.5	542.2	480.4	410.3
117.5°	580.4	602.9	615.4	619.0	615.4	602.9	580.4	545.2	499.9	446.6	386.3
120°	550.4	572.1	584.3	587.9	584.3	572.1	550.4	517.0	477.2	427.5	373.3
122.5°	525.1	544.9	557.1	560.4	557.1	544.9	525.1	495.3	458.0	413.8	363.5
125°	492.6	511.1	521.0	525.5	521.0	511.1	492.6	467.2	434.7	395.4	349.3
127.5°	467.9	484.3	493.7	495.7	493.7	484.3	467.9	445.0	414.5	377.9	334.9
130°	452.8	467.7	476.7	479.4	476.7	467.7	452.8	430.2	400.8	365.6	325.8
132.5°	436.9	451.8	460.1	463.2	460.1	451.8	436.9	414.3	386.0	354.0	316.8
135°	410.7	425.6	433.8	436.5	433.8	425.6	410.7	390.9	365.1	336.2	305.0
137.5°	384.0	397.6	405.0	408.1	405.0	397.6	384.0	366.2	344.4	320.3	295.1
140°	367.4	379.1	385.9	388.2	385.9	379.1	367.4	350.7	331.7	310.9	289.6
142.5°	351.5	361.4	367.8	369.7	367.8	361.4	351.5	337.3	320.8	302.9	284.9
145°	329.9	337.5	342.5	344.4	342.5	337.5	329.9	319.0	306.8	292.8	278.8
147.5°	313.0	319.1	322.0	322.8	322.0	319.1	313.0	304.4	295.2	284.4	273.1
150°	303.2	308.6	310.5	310.9	310.5	308.6	303.2	296.4	288.3	279.7	269.7
152.5°	294.9	299.2	301.0	301.5	301.0	299.2	294.9	289.2	282.9	275.0	266.2
155°	283.8	286.9	288.3	288.8	288.3	286.9	283.8	279.2	274.3	268.0	260.7
157.5°	273.5	276.2	277.4	277.3	277.4	276.2	273.5	270.1	266.2	261.3	255.3
160°	267.0	269.3	270.2	269.7	270.2	269.3	267.0	263.9	260.7	256.2	251.7
162.5°	260.9	262.8	263.0	262.9	263.0	262.8	260.9	258.5	255.6	251.9	247.7
165°	252.2	253.0	253.0	253.0	253.0	253.0	252.2	250.3	248.1	245.3	242.2
167.5°	243.7	244.5	244.1	244.0	244.1	244.5	243.7	242.7	241.1	239.1	236.9
170°	238.6	239.1	239.1	238.6	239.1	239.1	238.6	237.7	236.8	235.4	234.1
172.5°	233.9	234.7	234.0	233.5	234.0	234.7	233.9	233.7	233.1	232.2	230.8
175°	228.2	228.6	227.8	227.3	227.8	228.6	228.2	228.2	228.2	227.3	227.3
177.5°	224.8	225.2	224.1	224.1	224.1	225.2	224.8	225.2	225.2	225.2	224.8
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	702.7	705.4	706.8	710.2	715.0	717.4	720.8	723.2	726.6	730.6	734.0
5°	657.2	664.5	669.2	676.8	683.7	690.6	699.3	705.7	714.1	723.7	731.3
7.5°	615.0	624.0	632.0	641.9	653.4	662.3	673.7	685.2	698.5	712.1	725.0
10°	588.0	597.1	607.0	619.3	630.7	642.8	656.3	669.9	686.4	701.8	719.2
12.5°	561.3	571.2	582.4	596.2	610.1	625.4	639.2	654.4	672.2	692.1	710.8
15°	528.1	537.7	549.8	561.5	577.5	594.3	612.7	632.9	652.7	675.0	698.2
17.5°	492.6	503.1	516.4	530.0	546.8	566.5	584.6	606.6	628.9	654.9	682.1
20°	469.4	480.3	495.9	511.0	526.3	545.6	567.0	589.5	613.3	640.6	671.1
22.5°	451.1	458.8	474.3	489.6	507.6	527.3	548.2	571.7	597.6	626.0	657.8
25°	424.0	433.0	444.2	460.1	478.8	499.6	520.6	545.6	573.9	602.8	636.8
27.5°	399.9	407.3	418.3	430.8	449.4	471.0	493.4	519.4	548.4	577.8	613.6
30°	382.8	390.9	401.4	414.7	429.4	452.9	475.8	501.4	530.8	561.3	597.9
32.5°	367.9	376.2	385.3	397.8	413.8	434.6	458.2	483.3	513.3	544.6	580.4
35°	347.0	352.7	361.1	373.4	389.1	405.9	430.0	456.5	485.7	518.2	554.0
37.5°	323.1	330.4	338.8	349.5	363.2	381.4	403.9	430.6	457.7	488.9	521.5
40°	309.0	316.0	325.3	333.1	347.6	364.1	384.6	412.6	439.7	468.8	498.6
42.5°	294.9	301.5	309.4	319.2	332.2	348.2	367.3	393.3	422.3	449.8	474.8
45°	272.7	279.6	287.1	296.1	308.2	323.8	342.8	366.5	391.8	417.1	436.0
47.5°	251.4	257.9	265.0	274.3	285.3	300.5	317.4	338.4	363.0	384.4	398.0
50°	236.2	242.2	250.1	259.1	269.9	284.1	300.3	321.1	341.6	361.1	373.4
52.5°	221.3	228.1	235.8	243.7	254.1	268.2	283.2	301.1	320.6	336.5	346.7
55°	198.9	205.3	212.5	220.5	230.8	242.9	258.8	272.9	288.3	301.8	307.8
57.5°	177.3	182.8	189.6	198.0	207.3	218.5	231.1	244.7	255.6	265.1	272.0
60°	163.1	167.9	174.2	181.5	191.4	201.6	213.0	225.7	234.1	242.2	248.6
62.5°	148.7	153.2	159.3	165.8	174.5	184.0	195.0	205.3	213.4	218.9	226.2
65°	127.0	131.5	136.7	143.5	150.4	158.3	168.2	175.7	181.5	187.5	192.0
67.5°	106.9	110.6	115.4	120.9	126.7	134.2	141.9	148.1	152.1	155.7	161.1
70°	93.6	96.6	100.5	104.7	111.1	118.6	124.6	129.4	132.1	135.7	142.4
72.5°	80.1	83.6	87.3	91.5	96.6	102.9	108.2	113.0	114.8	117.6	121.8
75°	63.2	65.0	68.0	71.0	74.6	80.0	85.2	86.3	87.9	90.3	93.3
77.5°	47.8	49.4	50.6	52.6	55.5	59.8	62.5	64.3	64.7	65.6	68.5
80°	37.9	38.8	40.0	41.5	42.7	46.3	47.8	49.7	50.2	51.2	52.7
82.5°	27.8	28.7	29.5	30.7	32.6	34.1	35.6	37.4	37.5	38.2	38.4
85°	16.2	16.6	15.9	16.6	16.9	17.4	18.9	20.4	20.2	19.9	20.8
87.5°	7.3	7.2	6.8	7.4	6.7	6.9	6.7	6.8	7.1	7.4	7.8
90°	7.7	7.2	6.3	5.9	5.0	4.5	3.6	2.7	1.8	0.9	0.5
92.5°	118.0	145.7	148.1	103.1	61.7	37.1	23.8	16.1	10.5	6.7	5.5
95°	391.8	400.4	326.7	202.0	102.6	54.3	33.9	23.9	19.0	15.4	14.9
97.5°	495.7	427.5	291.8	161.2	88.4	56.4	41.7	32.8	27.8	25.3	24.8
100°	521.0	408.1	260.3	146.4	87.7	61.5	47.9	39.3	34.4	32.6	31.6
102.5°	505.8	373.7	236.4	140.3	90.9	67.6	54.4	46.6	41.2	39.8	39.2
105°	457.3	327.6	213.3	137.8	97.6	77.7	65.0	57.8	53.3	51.1	51.1
107.5°	407.8	295.9	203.5	142.0	107.6	88.3	76.9	69.4	65.7	63.5	62.7
110°	379.6	281.1	200.7	145.9	114.8	96.3	84.5	77.7	73.7	71.9	71.0



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	358.6	272.4	200.7	151.0	121.7	103.9	92.4	85.7	81.6	80.2	79.3
115°	335.7	263.0	202.0	158.6	132.4	115.7	104.4	97.6	93.6	92.2	91.3
117.5°	322.1	258.4	204.9	167.3	143.5	127.6	116.7	109.0	105.0	103.5	102.1
120°	314.5	256.2	207.9	173.1	151.4	135.5	124.3	116.6	112.5	110.7	109.3
122.5°	308.0	254.4	210.4	179.6	159.0	143.1	131.9	123.4	119.4	118.0	116.9
125°	299.1	252.2	214.7	188.5	169.0	154.1	142.4	133.7	129.7	127.5	126.5
127.5°	291.0	251.0	219.4	196.5	178.6	164.3	152.6	143.5	138.3	135.4	134.0
130°	285.6	250.3	222.4	202.0	184.8	170.8	159.1	149.6	143.7	140.1	138.7
132.5°	281.2	250.3	225.6	206.7	190.6	176.6	164.9	155.0	148.4	144.1	142.4
135°	276.1	250.3	230.0	213.3	198.4	184.3	172.1	162.7	155.4	150.0	148.2
137.5°	271.5	250.9	234.1	218.2	203.9	191.2	178.6	169.3	162.1	157.0	155.7
140°	269.3	251.3	235.9	221.4	207.9	194.8	182.6	174.0	166.8	161.3	159.9
142.5°	267.5	251.6	236.9	223.2	210.4	198.0	186.6	178.3	171.1	166.0	165.0
145°	264.8	251.3	238.1	225.9	214.7	202.9	192.5	184.3	178.0	173.5	172.6
147.5°	262.0	250.1	238.6	227.6	217.4	207.1	197.9	190.8	185.0	181.1	180.5
150°	259.8	249.0	238.6	228.6	219.2	209.2	201.5	195.2	189.3	186.2	185.3
152.5°	257.3	247.6	238.2	229.3	220.9	211.8	204.8	198.8	193.7	190.8	190.4
155°	253.0	244.9	237.3	230.0	222.8	215.1	208.7	204.2	199.7	197.0	197.0
157.5°	249.1	242.2	236.1	230.4	224.3	217.7	212.9	209.0	205.1	202.9	203.0
160°	245.8	240.4	235.0	230.4	225.1	219.2	215.1	211.5	208.3	206.5	207.0
162.5°	243.0	238.2	233.9	230.1	225.8	220.6	217.3	214.4	211.6	209.8	210.2
165°	238.6	235.0	232.3	229.6	225.9	222.4	219.6	217.8	215.6	214.2	215.1
167.5°	234.3	231.8	229.7	228.5	225.9	222.9	221.3	220.0	218.7	217.9	218.3
170°	231.8	230.0	228.6	227.8	225.9	223.7	222.4	221.4	220.5	220.1	220.5
172.5°	229.3	227.8	227.2	227.0	225.6	223.7	223.1	222.5	221.6	221.2	222.0
175°	225.9	225.5	225.5	225.9	225.1	223.7	223.7	223.7	223.2	222.8	223.7
177.5°	224.5	224.1	224.1	224.8	224.5	223.8	223.8	224.1	223.8	223.8	224.5
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	736.7	738.9	742.0	745.6	748.5	751.6	753.3	753.3	754.7	757.9	761.9
5°	738.8	746.6	754.2	763.7	771.3	780.0	786.6	793.0	798.7	805.9	813.4
7.5°	738.2	751.1	764.7	779.9	796.6	809.9	823.6	834.3	844.9	858.7	869.7
10°	735.8	752.7	771.0	790.2	811.3	829.7	846.2	861.3	875.7	890.7	904.3
12.5°	731.4	752.9	775.3	798.4	825.1	846.1	867.4	883.4	900.2	916.7	933.4
15°	724.9	750.2	777.3	809.5	842.0	865.5	886.5	907.3	923.0	941.6	957.6
17.5°	711.5	744.1	778.2	813.3	844.5	871.9	893.9	913.7	930.3	950.9	972.6
20°	703.5	738.8	774.3	811.9	841.7	869.7	891.0	911.5	932.2	959.1	985.6
22.5°	692.5	730.1	767.8	803.5	835.0	862.0	884.1	909.1	936.4	966.8	998.8
25°	675.0	713.8	751.1	785.1	815.8	843.5	873.6	907.3	940.4	980.4	1026.4
27.5°	652.8	690.2	723.5	759.4	790.0	825.1	862.7	899.2	947.0	1002.0	1059.5
30°	636.1	671.7	703.3	737.3	771.9	810.7	852.9	895.9	952.8	1017.4	1085.8
32.5°	616.9	649.0	680.4	713.2	753.1	795.7	840.6	893.2	961.2	1034.7	1105.5
35°	583.5	612.4	642.8	679.2	721.6	767.9	825.1	889.2	971.4	1050.5	1114.0
37.5°	548.5	571.2	601.8	640.2	686.4	740.1	804.9	882.8	967.2	1038.2	1065.2
40°	521.5	542.9	575.0	615.4	661.2	719.9	792.7	872.7	957.6	1006.9	1004.8
42.5°	494.8	516.4	547.4	588.0	635.6	701.3	776.3	859.4	931.1	949.8	910.7
45°	453.8	474.0	504.4	545.3	596.4	665.4	744.2	823.9	869.7	839.3	761.7
47.5°	412.0	431.6	459.8	499.9	555.7	627.9	702.4	767.9	774.3	709.0	615.8
50°	384.6	402.9	429.8	472.5	526.6	597.1	669.0	720.4	704.5	624.7	528.7
52.5°	357.8	375.5	400.6	440.9	496.3	565.3	629.5	669.9	633.0	548.2	461.8
55°	318.4	335.3	360.5	397.5	447.7	511.0	567.3	582.0	527.8	442.4	372.6
57.5°	280.9	293.2	318.2	350.9	399.4	455.1	495.4	492.8	433.0	356.1	306.0
60°	256.1	267.2	291.0	321.1	367.1	417.1	445.4	433.3	372.9	309.3	261.2
62.5°	233.0	243.4	263.3	291.0	330.6	374.0	394.6	378.0	320.8	265.1	226.8
65°	198.0	205.6	221.5	247.1	278.1	308.2	326.5	302.1	251.6	209.5	180.5
67.5°	165.3	171.8	186.0	204.4	225.8	246.5	254.0	231.1	191.8	163.4	143.1
70°	144.2	150.2	159.8	177.0	191.1	205.8	209.5	189.0	156.2	134.5	121.8
72.5°	123.9	129.4	137.9	150.0	159.8	168.3	170.0	150.9	125.9	110.9	101.2
75°	94.5	99.3	104.7	109.2	115.6	117.1	116.5	101.7	88.2	78.3	72.8
77.5°	69.5	71.5	74.8	76.5	76.8	76.8	73.7	64.3	57.4	53.2	51.0
80°	53.6	55.1	56.0	56.6	56.9	53.9	50.5	44.8	42.5	40.0	37.3
82.5°	38.9	39.9	40.8	41.0	39.3	36.8	33.7	30.9	29.2	28.0	26.9
85°	21.1	21.4	21.1	19.6	17.4	16.6	15.9	15.4	15.1	14.7	14.7
87.5°	7.6	7.1	6.1	6.5	6.7	6.5	6.7	6.6	6.5	6.6	6.7
90°	0.9	1.8	2.7	3.6	4.5	5.0	5.9	6.3	7.2	7.7	8.2
92.5°	6.7	10.5	16.1	23.8	37.1	61.7	103.1	148.1	145.7	118.0	80.1
95°	15.4	19.0	23.9	33.9	54.3	102.6	202.0	326.7	400.4	391.8	324.9
97.5°	25.3	27.8	32.8	41.7	56.4	88.4	161.2	291.8	427.5	495.7	483.9
100°	32.6	34.4	39.3	47.9	61.5	87.7	146.4	260.3	408.1	521.0	555.8
102.5°	39.8	41.2	46.6	54.4	67.6	90.9	140.3	236.4	373.7	505.8	580.0
105°	51.1	53.3	57.8	65.0	77.7	97.6	137.8	213.3	327.6	457.3	565.8
107.5°	63.5	65.7	69.4	76.9	88.3	107.6	142.0	203.5	295.9	407.8	514.8
110°	71.9	73.7	77.7	84.5	96.3	114.8	145.9	200.7	281.1	379.6	477.2



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	80.2	81.6	85.7	92.4	103.9	121.7	151.0	200.7	272.4	358.6	447.6
115°	92.2	93.6	97.6	104.4	115.7	132.4	158.6	202.0	263.0	335.7	410.3
117.5°	103.5	105.0	109.0	116.7	127.6	143.5	167.3	204.9	258.4	322.1	386.3
120°	110.7	112.5	116.6	124.3	135.5	151.4	173.1	207.9	256.2	314.5	373.3
122.5°	118.0	119.4	123.4	131.9	143.1	159.0	179.6	210.4	254.4	308.0	363.5
125°	127.5	129.7	133.7	142.4	154.1	169.0	188.5	214.7	252.2	299.1	349.3
127.5°	135.4	138.3	143.5	152.6	164.3	178.6	196.5	219.4	251.0	291.0	334.9
130°	140.1	143.7	149.6	159.1	170.8	184.8	202.0	222.4	250.3	285.6	325.8
132.5°	144.1	148.4	155.0	164.9	176.6	190.6	206.7	225.6	250.3	281.2	316.8
135°	150.0	155.4	162.7	172.1	184.3	198.4	213.3	230.0	250.3	276.1	305.0
137.5°	157.0	162.1	169.3	178.6	191.2	203.9	218.2	234.1	250.9	271.5	295.1
140°	161.3	166.8	174.0	182.6	194.8	207.9	221.4	235.9	251.3	269.3	289.6
142.5°	166.0	171.1	178.3	186.6	198.0	210.4	223.2	236.9	251.6	267.5	284.9
145°	173.5	178.0	184.3	192.5	202.9	214.7	225.9	238.1	251.3	264.8	278.8
147.5°	181.1	185.0	190.8	197.9	207.1	217.4	227.6	238.6	250.1	262.0	273.1
150°	186.2	189.3	195.2	201.5	209.2	219.2	228.6	238.6	249.0	259.8	269.7
152.5°	190.8	193.7	198.8	204.8	211.8	220.9	229.3	238.2	247.6	257.3	266.2
155°	197.0	199.7	204.2	208.7	215.1	222.8	230.0	237.3	244.9	253.0	260.7
157.5°	202.9	205.1	209.0	212.9	217.7	224.3	230.4	236.1	242.2	249.1	255.3
160°	206.5	208.3	211.5	215.1	219.2	225.1	230.4	235.0	240.4	245.8	251.7
162.5°	209.8	211.6	214.4	217.3	220.6	225.8	230.1	233.9	238.2	243.0	247.7
165°	214.2	215.6	217.8	219.6	222.4	225.9	229.6	232.3	235.0	238.6	242.2
167.5°	217.9	218.7	220.0	221.3	222.9	225.9	228.5	229.7	231.8	234.3	236.9
170°	220.1	220.5	221.4	222.4	223.7	225.9	227.8	228.6	230.0	231.8	234.1
172.5°	221.2	221.6	222.5	223.1	223.7	225.6	227.0	227.2	227.8	229.3	230.8
175°	222.8	223.2	223.7	223.7	223.7	225.1	225.9	225.5	225.5	225.9	227.3
177.5°	223.8	223.8	224.1	223.8	223.8	224.5	224.8	224.1	224.1	224.5	224.8
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1	224.1



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	733.1	733.1	733.1	733.1	733.1	733.1	733.1
2.5°	765.1	765.1	769.2	768.9	771.6	770.6	771.1
5°	822.4	827.5	832.0	835.0	839.6	840.8	840.2
7.5°	881.9	893.3	898.8	906.4	907.8	911.7	911.3
10°	918.7	929.9	938.3	944.9	948.2	952.4	952.8
12.5°	947.6	957.0	964.6	970.7	974.7	976.0	976.8
15°	970.2	980.7	989.4	998.1	1003.3	1007.2	1009.3
17.5°	992.9	1009.2	1024.6	1036.5	1043.5	1049.6	1049.5
20°	1010.5	1029.2	1048.5	1062.0	1075.8	1081.8	1082.8
22.5°	1029.3	1057.8	1082.6	1103.6	1121.8	1128.1	1130.4
25°	1068.3	1105.6	1143.8	1173.3	1194.4	1206.7	1208.6
27.5°	1115.4	1165.9	1206.1	1233.3	1250.9	1260.0	1261.9
30°	1148.7	1195.2	1231.4	1251.9	1260.0	1261.2	1256.6
32.5°	1163.6	1198.4	1212.8	1211.6	1195.7	1185.1	1181.1
35°	1145.3	1138.1	1102.9	1060.7	1028.6	1008.1	1002.7
37.5°	1042.3	980.0	915.2	851.6	817.7	800.5	770.9
40°	940.7	851.9	784.5	730.9	692.8	662.0	654.8
42.5°	826.1	734.4	667.0	621.2	590.7	569.6	560.5
45°	663.8	585.0	529.3	494.1	470.6	455.3	448.4
47.5°	530.9	469.9	429.4	403.3	385.4	372.1	368.4
50°	458.0	409.2	374.9	353.0	339.5	329.2	325.0
52.5°	397.8	358.5	332.1	314.0	301.2	294.8	291.3
55°	328.3	294.3	275.4	260.9	253.7	248.6	246.1
57.5°	268.5	243.9	230.0	220.1	213.4	210.2	209.0
60°	235.0	215.8	203.1	195.3	190.8	186.6	185.4
62.5°	205.4	190.3	180.5	173.6	169.1	167.3	166.6
65°	165.5	155.6	148.4	144.2	140.5	139.9	139.7
67.5°	131.6	125.7	121.9	117.6	116.3	114.2	113.8
70°	112.6	108.6	104.1	102.6	101.1	99.0	99.3
72.5°	95.5	91.6	88.5	86.5	86.0	85.1	85.8
75°	69.8	68.6	67.4	65.9	65.3	65.3	65.0
77.5°	49.8	48.8	47.5	46.6	46.4	45.2	45.6
80°	36.1	34.6	34.0	34.3	33.4	33.1	33.1
82.5°	26.7	26.1	25.6	25.7	25.4	25.2	25.4
85°	14.7	14.4	14.4	14.2	14.2	13.9	13.9
87.5°	7.1	7.4	7.1	6.8	6.8	7.1	7.4
90°	8.6	9.0	9.9	9.9	9.9	10.4	10.4
92.5°	58.1	43.7	37.1	31.3	30.2	29.5	28.8
95°	256.2	200.7	162.7	130.6	117.0	113.4	106.2
97.5°	435.7	381.6	328.8	300.9	275.5	262.4	256.7
100°	533.7	487.1	440.1	408.9	376.4	359.7	352.4
102.5°	593.7	571.3	539.6	506.2	483.1	464.9	459.5
105°	627.6	647.5	642.5	628.1	613.2	604.2	598.7
107.5°	597.4	648.5	672.0	679.4	679.3	676.3	672.6
110°	563.1	626.8	665.2	685.5	694.1	697.3	697.3



TEST NUMBER: P333528-927

CATALOG NUMBER: S125RDIP-S610D590U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	529.1	593.5	638.8	668.5	683.3	691.1	694.3
115°	480.4	542.2	591.5	626.8	648.5	661.1	667.0
117.5°	446.6	499.9	545.2	580.4	602.9	615.4	619.0
120°	427.5	477.2	517.0	550.4	572.1	584.3	587.9
122.5°	413.8	458.0	495.3	525.1	544.9	557.1	560.4
125°	395.4	434.7	467.2	492.6	511.1	521.0	525.5
127.5°	377.9	414.5	445.0	467.9	484.3	493.7	495.7
130°	365.6	400.8	430.2	452.8	467.7	476.7	479.4
132.5°	354.0	386.0	414.3	436.9	451.8	460.1	463.2
135°	336.2	365.1	390.9	410.7	425.6	433.8	436.5
137.5°	320.3	344.4	366.2	384.0	397.6	405.0	408.1
140°	310.9	331.7	350.7	367.4	379.1	385.9	388.2
142.5°	302.9	320.8	337.3	351.5	361.4	367.8	369.7
145°	292.8	306.8	319.0	329.9	337.5	342.5	344.4
147.5°	284.4	295.2	304.4	313.0	319.1	322.0	322.8
150°	279.7	288.3	296.4	303.2	308.6	310.5	310.9
152.5°	275.0	282.9	289.2	294.9	299.2	301.0	301.5
155°	268.0	274.3	279.2	283.8	286.9	288.3	288.8
157.5°	261.3	266.2	270.1	273.5	276.2	277.4	277.3
160°	256.2	260.7	263.9	267.0	269.3	270.2	269.7
162.5°	251.9	255.6	258.5	260.9	262.8	263.0	262.9
165°	245.3	248.1	250.3	252.2	253.0	253.0	253.0
167.5°	239.1	241.1	242.7	243.7	244.5	244.1	244.0
170°	235.4	236.8	237.7	238.6	239.1	239.1	238.6
172.5°	232.2	233.1	233.7	233.9	234.7	234.0	233.5
175°	227.3	228.2	228.2	228.2	228.6	227.8	227.3
177.5°	225.2	225.2	225.2	224.8	225.2	224.1	224.1
180°	224.1	224.1	224.1	224.1	224.1	224.1	224.1

(END OF REPORT)