

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: P333649-927

Luminaire Tested: **S125RDIW-S375D1050U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333649-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIW-S375D1050U927-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4035.7 lumens
Efficiency: N/A
Efficacy: 106.2 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: Semi-Indirect

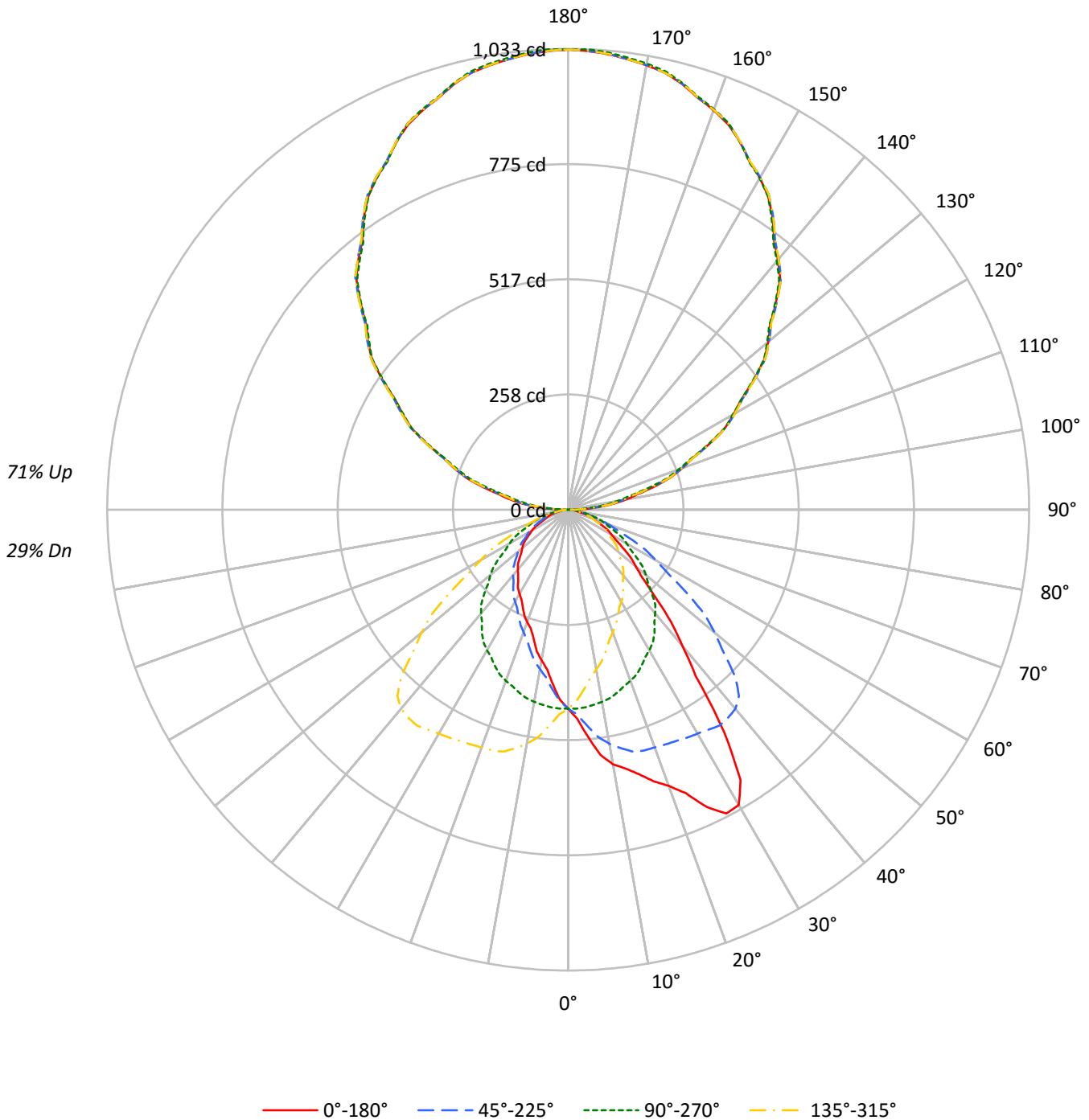
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	37	37	37	29
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31	25
2	85	78	72	67	76	70	65	61	55	52	49	42	40	38	29	28	27	21
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	24	23	18
4	71	61	53	48	63	55	48	43	43	39	35	33	30	28	23	21	20	16
5	65	54	46	41	58	49	42	37	39	34	30	30	26	24	21	19	17	14
6	60	48	41	35	54	44	37	32	35	30	27	27	23	21	19	17	15	12
7	55	44	36	31	49	39	33	28	32	27	23	24	21	18	17	15	14	11
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	24	20	24	20	16	19	15	13	14	11	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2880	2880	2880	2880
5°	3313	2884	2547	2884
10°	3801	2868	2247	2868
15°	4105	2840	1997	2840
20°	4526	2805	1844	2805
25°	5238	2760	1712	2760
30°	5700	2712	1625	2712
35°	4809	2657	1544	2657
40°	3358	2557	1475	2557
45°	2491	2422	1408	2422
50°	1986	2283	1350	2283
55°	1686	2109	1298	2109
60°	1456	1953	1215	1953
65°	1297	1785	1045	1785
70°	1141	1635	954	1635
75°	986	1415	896	1415
80°	748	1190	748	1190
85°	622	934	704	934



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	1.1
10°-20°	125.3	3.1
20°-30°	198.7	4.9
30°-40°	239.6	5.9
40°-50°	214.0	5.3
50°-60°	164.1	4.1
60°-70°	106.6	2.6
70°-80°	51.8	1.3
80°-90°	14.6	0.4
90°-100°	69.1	1.7
100°-110°	204.0	5.1
110°-120°	345.5	8.6
120°-130°	454.7	11.3
130°-140°	509.6	12.6
140°-150°	499.4	12.4
150°-160°	419.5	10.4
160°-170°	278.8	6.9
170°-180°	97.6	2.4
0°-30°	366.8	9.1
0°-40°	606.3	15.0
0°-60°	984.4	24.4
0°-90°	1157.5	28.7
90°-120°	618.6	15.3
90°-150°	2082.3	51.6
90°-180°	2878.0	71.3
0°-180°	4035.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	446	446	446	446	446	
5°	511	445	393	445	511	51
15°	614	425	299	425	614	176
25°	735	387	240	387	735	338
35°	610	337	196	337	610	368
45°	273	265	154	265	273	218
55°	150	187	115	187	150	136
65°	85	117	68	117	85	84
75°	40	57	36	57	40	42
85°	8	13	10	13	8	10
90°	19	1	19	1	19	11
95°	69	52	69	52	69	70
105°	199	183	199	183	199	211
115°	349	346	349	346	349	345
125°	508	505	508	505	508	454
135°	659	657	659	657	659	508
145°	799	795	799	795	799	499
155°	910	910	910	910	910	419
165°	987	990	987	990	987	278
175°	1025	1029	1025	1029	1025	97
180°	1031	1031	1031	1031	1031	



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	469.1	468.7	469.4	467.7	467.9	465.4	465.4	463.5	461.0	459.1	458.2
5°	511.0	511.4	510.7	507.9	506.1	503.4	500.3	494.8	490.2	485.8	482.4
7.5°	554.4	554.6	552.2	551.4	546.7	543.4	536.5	528.9	522.4	513.9	507.5
10°	579.6	579.3	576.8	574.7	570.8	565.6	558.8	550.1	541.9	532.7	523.9
12.5°	594.1	593.7	592.9	590.4	586.7	582.2	576.4	567.8	557.6	547.6	537.3
15°	613.9	612.7	610.3	607.1	601.8	596.5	590.2	582.5	572.7	561.4	551.9
17.5°	638.4	638.4	634.8	630.4	623.2	613.9	604.0	591.6	578.4	565.9	555.8
20°	658.6	658.1	654.4	645.9	637.7	626.0	614.7	599.4	583.4	567.0	554.4
22.5°	687.6	686.2	682.4	671.3	658.5	643.4	626.1	607.5	588.0	569.6	552.9
25°	735.1	734.0	726.5	713.7	695.8	672.5	649.8	624.4	596.4	572.0	551.9
27.5°	767.6	766.4	760.8	750.2	733.6	709.2	678.5	644.4	609.5	576.0	547.0
30°	764.4	767.1	766.4	761.4	749.0	727.1	698.7	660.4	618.9	579.6	544.9
32.5°	718.4	720.9	727.3	737.0	737.8	729.0	707.7	672.4	629.4	584.6	543.3
35°	609.9	613.2	625.7	645.2	670.9	692.3	696.6	677.6	639.0	590.9	540.9
37.5°	468.9	486.9	497.4	518.0	556.7	596.1	634.0	647.9	631.5	588.3	537.0
40°	398.3	402.7	421.4	444.7	477.2	518.2	572.2	611.2	612.4	582.5	530.8
42.5°	340.9	346.5	359.3	377.9	405.8	446.7	502.5	554.0	577.7	566.3	522.8
45°	272.7	276.9	286.3	300.6	321.9	355.8	403.8	463.3	510.5	529.0	501.2
47.5°	224.0	226.3	234.4	245.3	261.2	285.8	323.0	374.6	431.3	471.0	467.1
50°	197.7	200.3	206.4	214.7	228.1	248.9	278.6	321.6	380.0	428.5	438.2
52.5°	177.2	179.4	183.2	191.0	202.0	218.0	242.0	280.9	333.4	385.0	407.5
55°	149.7	151.2	154.3	158.7	167.5	179.0	199.7	226.6	269.1	321.1	354.0
57.5°	127.1	127.9	129.8	133.9	140.0	148.4	163.3	186.1	216.6	263.4	299.8
60°	112.7	113.5	116.1	118.8	123.6	131.3	143.0	158.9	188.1	226.8	263.6
62.5°	101.3	101.8	102.9	105.6	109.8	115.7	124.9	137.9	161.2	195.2	229.9
65°	84.9	85.1	85.5	87.7	90.2	94.7	100.7	109.8	127.4	153.0	183.8
67.5°	69.2	69.5	70.7	71.5	74.1	76.4	80.0	87.0	99.4	116.7	140.6
70°	60.4	60.2	61.5	62.4	63.3	66.1	68.4	74.1	81.8	95.0	114.9
72.5°	52.2	51.7	52.3	52.6	53.8	55.7	58.1	61.6	67.5	76.5	91.8
75°	39.5	39.7	39.7	40.1	41.0	41.7	42.5	44.3	47.6	53.6	61.9
77.5°	27.7	27.5	28.2	28.4	28.9	29.7	30.3	31.1	32.4	34.9	39.1
80°	20.1	20.1	20.3	20.8	20.7	21.1	21.9	22.7	24.3	25.8	27.3
82.5°	15.4	15.3	15.4	15.6	15.5	15.9	16.2	16.4	17.0	17.7	18.8
85°	8.4	8.4	8.6	8.6	8.8	8.8	9.0	9.0	9.0	9.2	9.3
87.5°	7.1	6.8	6.6	6.5	6.5	6.7	6.3	6.0	5.8	5.6	5.5
90°	19.3	18.7	18.2	17.7	17.1	16.4	15.5	14.7	13.7	12.8	11.6
92.5°	37.9	37.5	37.1	36.7	36.3	35.6	34.4	33.2	32.0	30.8	29.3
95°	69.0	68.7	68.3	68.0	67.6	66.8	65.5	64.3	63.1	61.8	60.0
97.5°	104.6	104.5	104.3	104.0	103.8	103.1	102.0	100.8	99.6	98.4	95.9
100°	131.7	131.3	130.9	130.6	130.2	129.2	127.6	126.0	124.5	122.8	120.5
102.5°	158.6	158.1	157.6	157.1	156.6	155.5	153.8	152.0	150.3	148.5	147.3
105°	199.1	198.5	198.0	197.5	196.9	196.1	195.0	194.0	192.9	191.9	190.8
107.5°	240.5	240.5	240.6	240.6	240.7	240.3	239.9	239.3	238.8	238.2	237.4
110°	271.3	271.5	271.6	271.9	272.0	271.9	271.3	270.8	270.2	269.7	269.2



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	301.5	301.8	302.1	302.5	302.8	302.8	302.5	302.3	302.1	301.8	301.1
115°	349.2	349.4	349.5	349.7	349.9	350.1	350.2	350.4	350.6	350.8	350.4
117.5°	395.7	396.4	397.1	397.8	398.5	398.9	398.7	398.5	398.5	398.3	398.0
120°	427.9	428.6	429.3	430.0	430.7	431.0	431.0	431.0	431.0	431.0	430.9
122.5°	459.9	460.5	461.1	461.7	462.2	462.6	462.7	462.9	463.0	463.2	462.7
125°	508.1	508.3	508.4	508.7	508.8	509.1	509.5	509.8	510.2	510.5	510.3
127.5°	554.4	554.7	555.1	555.4	555.8	556.0	556.2	556.3	556.6	556.7	556.5
130°	585.2	585.5	585.9	586.2	586.6	586.8	587.0	587.2	587.4	587.6	587.2
132.5°	614.0	614.6	615.1	615.5	616.1	616.4	616.6	616.7	617.0	617.1	617.2
135°	659.0	659.7	660.4	661.2	661.9	662.2	662.2	662.2	662.2	662.2	662.0
137.5°	703.0	703.9	704.8	705.7	706.5	706.9	706.7	706.5	706.2	706.1	705.7
140°	731.3	732.1	733.0	734.0	734.8	735.1	734.7	734.4	734.0	733.6	733.1
142.5°	758.2	759.1	760.0	760.9	761.8	762.2	761.9	761.7	761.4	761.3	760.6
145°	798.7	799.2	799.7	800.3	800.8	801.1	801.1	801.1	801.1	801.1	800.6
147.5°	833.2	834.4	835.6	836.9	838.0	838.4	838.0	837.6	837.2	836.7	836.3
150°	858.9	859.2	859.6	859.9	860.3	860.5	860.5	860.5	860.5	860.5	859.8
152.5°	880.0	880.7	881.4	882.0	882.6	882.7	882.3	881.9	881.5	881.1	880.7
155°	910.2	911.2	912.0	912.9	913.8	913.9	913.2	912.5	911.8	911.1	910.9
157.5°	935.5	936.6	937.8	939.0	940.2	940.4	939.7	939.0	938.3	937.5	937.4
160°	952.8	953.7	954.6	955.5	956.3	956.5	955.8	955.1	954.3	953.6	953.4
162.5°	967.6	968.6	969.6	970.7	971.7	971.8	970.9	970.1	969.2	968.4	968.4
165°	987.3	988.4	989.4	990.5	991.6	991.7	991.0	990.3	989.6	988.9	988.7
167.5°	1003.1	1004.2	1005.3	1006.4	1007.5	1007.5	1006.4	1005.4	1004.2	1003.2	1003.2
170°	1011.4	1012.6	1013.9	1015.1	1016.4	1016.4	1015.4	1014.3	1013.3	1012.2	1012.2
172.5°	1018.4	1019.5	1020.6	1021.8	1022.9	1022.9	1021.8	1020.7	1019.7	1018.6	1018.6
175°	1025.0	1026.3	1027.5	1028.8	1030.0	1030.2	1029.0	1027.9	1026.9	1025.8	1025.8
177.5°	1028.9	1029.9	1030.9	1031.9	1032.8	1032.9	1032.1	1031.3	1030.4	1029.5	1029.7
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	458.2	457.2	455.3	453.5	451.3	449.4	448.1	446.5	444.4	442.0	439.9
5°	478.5	474.4	469.1	464.5	458.7	454.2	449.4	444.8	440.2	434.4	429.2
7.5°	501.0	492.7	484.6	474.4	465.2	456.9	449.0	441.0	433.2	424.8	416.8
10°	514.8	504.6	493.5	480.7	469.0	457.8	447.6	437.4	426.8	417.6	407.5
12.5°	527.6	514.6	501.8	485.7	471.6	458.0	444.9	432.4	421.0	408.9	398.1
15°	539.2	526.4	512.1	492.4	472.8	456.3	440.9	424.7	410.6	397.0	384.9
17.5°	543.8	530.3	513.7	494.7	473.3	452.6	432.8	414.9	398.3	382.5	369.0
20°	542.0	529.0	512.0	493.8	471.0	449.4	427.9	408.2	389.7	373.0	358.6
22.5°	537.7	524.3	507.9	488.7	467.0	444.1	421.2	400.1	380.8	363.5	347.8
25°	531.4	513.1	496.2	477.5	456.9	434.2	410.6	387.3	366.6	349.0	331.8
27.5°	524.7	501.9	480.5	461.9	440.1	419.9	397.0	373.2	351.5	333.6	315.9
30°	518.7	493.1	469.5	448.5	427.8	408.5	387.0	363.7	341.4	322.9	305.0
32.5°	511.3	484.0	458.1	433.8	413.8	394.8	375.3	353.0	331.3	312.2	294.0
35°	501.9	467.1	438.9	413.1	391.0	372.5	354.9	337.0	315.2	295.4	277.7
37.5°	489.6	450.1	417.6	389.4	366.1	347.5	333.6	317.2	297.3	278.5	262.0
40°	482.1	437.8	402.2	374.3	349.8	330.2	317.2	303.3	285.2	267.4	251.0
42.5°	472.2	426.6	386.7	357.7	333.0	314.1	301.0	288.8	273.6	256.9	239.2
45°	452.7	404.7	362.8	331.7	306.8	288.3	276.0	265.2	253.7	238.3	222.9
47.5°	427.3	381.9	338.0	304.0	279.7	262.5	250.6	242.1	233.9	220.8	205.9
50°	406.9	363.1	320.4	287.4	261.4	245.1	233.9	227.2	219.7	207.8	195.3
52.5°	382.9	343.8	301.9	268.2	243.7	228.4	217.7	210.9	204.7	195.0	183.2
55°	345.1	310.8	272.4	241.8	219.3	203.9	193.7	187.3	183.6	175.4	166.0
57.5°	301.3	276.9	243.0	213.5	193.5	178.4	170.9	165.4	161.3	155.4	148.9
60°	270.9	253.7	223.3	195.3	177.0	162.6	155.7	151.2	147.3	142.4	137.3
62.5°	240.0	227.5	201.1	177.0	160.2	148.1	141.7	137.6	133.2	129.8	124.8
65°	198.6	187.4	169.1	150.3	134.8	125.0	120.4	116.8	114.1	110.4	106.9
67.5°	154.5	150.0	137.3	124.3	113.1	104.5	100.5	98.0	94.7	92.5	90.2
70°	127.4	125.2	116.2	107.7	97.2	91.3	87.7	86.6	82.5	80.3	78.7
72.5°	103.4	102.3	97.2	91.3	83.9	78.7	75.4	74.1	71.5	69.8	68.8
75°	70.8	71.2	70.3	66.5	63.7	60.4	57.5	56.7	54.9	53.5	52.5
77.5°	44.8	46.7	46.7	46.6	45.5	43.5	42.2	41.7	39.9	39.4	39.1
80°	30.7	32.8	34.6	34.4	34.1	33.5	32.6	32.0	31.1	30.6	30.2
82.5°	20.5	22.3	23.9	24.9	24.8	24.2	23.7	23.4	23.2	22.8	22.7
85°	9.7	10.1	10.6	11.9	12.8	13.0	12.8	12.6	12.1	12.3	12.4
87.5°	5.5	5.1	5.1	4.8	4.4	4.8	5.0	4.8	4.8	4.8	4.8
90°	10.4	9.1	7.8	6.5	5.1	3.6	2.2	0.8	2.2	3.6	5.1
92.5°	27.7	26.2	24.7	23.4	22.4	21.4	20.4	19.4	20.4	21.4	22.4
95°	58.2	56.5	54.7	53.6	53.2	52.9	52.5	52.2	52.5	52.9	53.2
97.5°	93.5	91.0	88.6	87.3	87.1	87.0	86.8	86.7	86.8	87.0	87.1
100°	118.2	115.8	113.5	112.4	112.4	112.4	112.4	112.4	112.4	112.4	112.4
102.5°	146.2	145.0	143.8	142.8	142.1	141.4	140.7	140.0	140.7	141.4	142.1
105°	189.7	188.6	187.6	186.6	185.7	184.8	183.9	183.0	183.9	184.8	185.7
107.5°	236.6	235.8	235.0	234.1	233.2	232.3	231.4	230.5	231.4	232.3	233.2
110°	268.6	268.1	267.6	266.9	265.9	265.1	264.2	263.2	264.2	265.1	265.9



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	300.5	299.8	299.1	298.5	298.1	297.6	297.1	296.7	297.1	297.6	298.1
115°	350.1	349.7	349.4	348.8	348.1	347.4	346.7	345.9	346.7	347.4	348.1
117.5°	397.7	397.4	397.0	396.7	396.3	396.0	395.7	395.4	395.7	396.0	396.3
120°	430.7	430.5	430.3	429.8	428.9	428.0	427.1	426.2	427.1	428.0	428.9
122.5°	462.2	461.8	461.3	460.9	460.6	460.3	459.9	459.6	459.9	460.3	460.6
125°	510.2	510.0	509.8	509.1	508.1	507.0	506.0	504.9	506.0	507.0	508.1
127.5°	556.3	556.1	555.9	555.5	554.8	554.3	553.7	553.0	553.7	554.3	554.8
130°	586.8	586.5	586.1	585.5	584.6	583.8	582.8	581.9	582.8	583.8	584.6
132.5°	617.3	617.3	617.4	616.7	615.2	613.8	612.3	610.9	612.3	613.8	615.2
135°	661.9	661.7	661.5	660.9	659.8	658.7	657.7	656.6	657.7	658.7	659.8
137.5°	705.3	704.9	704.5	703.8	702.7	701.7	700.7	699.7	700.7	701.7	702.7
140°	732.6	732.1	731.5	730.8	729.9	729.0	728.1	727.2	728.1	729.0	729.9
142.5°	759.9	759.2	758.6	757.9	757.1	756.4	755.6	754.9	755.6	756.4	757.1
145°	800.0	799.5	798.9	798.3	797.6	796.9	796.1	795.4	796.1	796.9	797.6
147.5°	835.8	835.4	835.0	834.6	834.2	833.9	833.5	833.1	833.5	833.9	834.2
150°	859.0	858.3	857.6	857.4	857.5	857.7	857.9	858.1	857.9	857.7	857.5
152.5°	880.4	880.2	879.9	879.6	879.4	879.1	878.8	878.6	878.8	879.1	879.4
155°	910.7	910.5	910.3	910.2	910.2	910.2	910.2	910.2	910.2	910.2	910.2
157.5°	937.2	937.0	936.8	936.9	937.3	937.7	938.1	938.5	938.1	937.7	937.3
160°	953.2	953.1	952.9	953.1	953.6	954.1	954.7	955.2	954.7	954.1	953.6
162.5°	968.3	968.3	968.2	968.4	968.8	969.2	969.6	969.9	969.6	969.2	968.8
165°	988.6	988.4	988.2	988.2	988.6	989.0	989.4	989.8	989.4	989.0	988.6
167.5°	1003.2	1003.2	1003.2	1003.5	1004.2	1005.0	1005.7	1006.4	1005.7	1005.0	1004.2
170°	1012.2	1012.2	1012.2	1012.6	1013.3	1014.0	1014.7	1015.4	1014.7	1014.0	1013.3
172.5°	1018.6	1018.6	1018.6	1019.0	1019.7	1020.4	1021.1	1021.8	1021.1	1020.4	1019.7
175°	1025.8	1025.8	1025.8	1026.2	1026.9	1027.6	1028.3	1029.0	1028.3	1027.6	1026.9
177.5°	1029.8	1029.9	1030.1	1030.5	1031.0	1031.6	1032.1	1032.8	1032.1	1031.6	1031.0
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	438.4	436.4	434.9	432.0	429.9	429.0	427.5	427.0	428.6	427.5	427.3
5°	425.4	420.1	415.9	411.7	407.1	404.2	399.7	399.0	397.9	396.3	395.9
7.5°	409.8	402.8	397.4	390.5	384.4	379.5	374.1	371.5	370.0	367.9	365.0
10°	399.3	391.0	383.7	376.7	369.2	363.1	357.7	353.5	350.7	348.2	347.1
12.5°	388.8	380.4	371.1	362.7	354.3	347.5	341.4	338.7	335.6	332.6	330.1
15°	372.6	361.6	351.3	341.6	334.5	327.1	321.2	317.2	312.7	311.3	306.4
17.5°	355.5	344.6	332.6	322.4	314.1	306.0	299.6	295.0	291.6	286.8	284.6
20°	344.8	331.8	320.1	310.8	301.7	292.2	285.6	281.7	278.5	274.6	272.7
22.5°	333.4	320.8	308.7	297.8	288.5	279.1	274.4	270.5	266.7	263.2	260.7
25°	316.6	303.9	291.2	279.9	270.2	263.4	257.9	253.3	251.4	247.9	245.3
27.5°	300.1	286.5	273.4	262.1	254.4	247.7	243.2	239.6	236.0	233.0	230.7
30°	289.4	275.5	261.2	252.2	244.2	237.8	232.8	229.3	226.6	223.9	222.2
32.5°	278.7	264.4	251.7	242.0	234.4	228.9	223.8	220.4	217.5	214.5	212.5
35°	261.6	246.9	236.7	227.2	219.7	214.5	211.0	206.3	203.9	201.7	199.7
37.5°	245.7	232.0	220.9	212.6	206.0	201.0	196.5	193.9	191.0	189.0	187.4
40°	233.9	221.5	211.4	202.6	197.9	192.2	188.0	184.7	182.5	179.9	178.1
42.5°	223.4	211.8	202.0	194.2	188.2	183.4	179.4	176.0	173.3	171.4	169.9
45°	208.5	196.9	187.4	180.1	174.6	170.1	165.8	164.2	160.5	158.4	157.6
47.5°	193.1	182.8	173.6	166.8	161.2	156.9	152.9	149.6	147.5	145.4	144.2
50°	182.7	172.8	164.2	157.6	152.1	147.3	143.7	141.5	138.7	136.7	135.3
52.5°	172.3	163.1	154.6	148.2	143.5	138.7	134.6	132.5	129.8	128.6	127.5
55°	157.4	147.7	140.4	134.2	129.2	124.8	121.0	118.8	117.2	115.9	115.5
57.5°	140.6	132.9	126.1	120.5	115.3	111.2	107.8	105.8	104.3	104.1	103.0
60°	129.6	122.6	116.5	110.4	106.0	102.1	99.2	96.8	95.4	95.2	94.8
62.5°	118.6	111.9	106.2	100.8	96.9	93.2	90.4	87.8	86.9	86.0	85.2
65°	102.3	96.3	91.5	87.3	83.1	80.0	77.2	75.6	73.6	72.5	70.5
67.5°	86.3	81.7	77.1	73.5	70.2	67.3	65.0	62.5	61.2	60.3	58.9
70°	75.8	72.1	67.6	63.7	61.2	58.8	57.0	54.2	53.2	52.5	51.8
72.5°	65.8	62.6	58.8	55.6	53.1	50.9	48.7	47.5	46.5	45.8	45.4
75°	51.8	48.7	45.4	43.2	41.4	39.5	38.4	37.5	37.2	37.0	36.3
77.5°	38.0	36.4	33.7	32.0	30.8	30.0	29.1	28.6	28.5	27.7	27.5
80°	29.1	28.2	26.0	25.3	24.3	23.6	23.1	22.2	21.2	20.8	20.3
82.5°	21.6	20.8	19.8	18.7	17.9	17.4	17.0	16.6	16.7	16.2	15.9
85°	11.6	10.6	10.2	10.1	9.7	10.1	9.9	9.7	9.5	9.3	9.5
87.5°	5.0	5.2	5.3	5.9	5.7	6.1	6.3	6.3	6.5	6.7	6.7
90°	6.5	7.8	9.1	10.4	11.6	12.8	13.7	14.7	15.5	16.4	17.1
92.5°	23.4	24.7	26.2	27.7	29.3	30.8	32.0	33.2	34.4	35.6	36.3
95°	53.6	54.7	56.5	58.2	60.0	61.8	63.1	64.3	65.5	66.8	67.6
97.5°	87.3	88.6	91.0	93.5	95.9	98.4	99.6	100.8	102.0	103.1	103.8
100°	112.4	113.5	115.8	118.2	120.5	122.8	124.5	126.0	127.6	129.2	130.2
102.5°	142.8	143.8	145.0	146.2	147.3	148.5	150.3	152.0	153.8	155.5	156.6
105°	186.6	187.6	188.6	189.7	190.8	191.9	192.9	194.0	195.0	196.1	196.9
107.5°	234.1	235.0	235.8	236.6	237.4	238.2	238.8	239.3	239.9	240.3	240.7
110°	266.9	267.6	268.1	268.6	269.2	269.7	270.2	270.8	271.3	271.9	272.0



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	298.5	299.1	299.8	300.5	301.1	301.8	302.1	302.3	302.5	302.8	302.8
115°	348.8	349.4	349.7	350.1	350.4	350.8	350.6	350.4	350.2	350.1	349.9
117.5°	396.7	397.0	397.4	397.7	398.0	398.3	398.5	398.5	398.7	398.9	398.5
120°	429.8	430.3	430.5	430.7	430.9	431.0	431.0	431.0	431.0	431.0	430.7
122.5°	460.9	461.3	461.8	462.2	462.7	463.2	463.0	462.9	462.7	462.6	462.2
125°	509.1	509.8	510.0	510.2	510.3	510.5	510.2	509.8	509.5	509.1	508.8
127.5°	555.5	555.9	556.1	556.3	556.5	556.7	556.6	556.3	556.2	556.0	555.8
130°	585.5	586.1	586.5	586.8	587.2	587.6	587.4	587.2	587.0	586.8	586.6
132.5°	616.7	617.4	617.3	617.3	617.2	617.1	617.0	616.7	616.6	616.4	616.1
135°	660.9	661.5	661.7	661.9	662.0	662.2	662.2	662.2	662.2	662.2	661.9
137.5°	703.8	704.5	704.9	705.3	705.7	706.1	706.2	706.5	706.7	706.9	706.5
140°	730.8	731.5	732.1	732.6	733.1	733.6	734.0	734.4	734.7	735.1	734.8
142.5°	757.9	758.6	759.2	759.9	760.6	761.3	761.4	761.7	761.9	762.2	761.8
145°	798.3	798.9	799.5	800.0	800.6	801.1	801.1	801.1	801.1	801.1	800.8
147.5°	834.6	835.0	835.4	835.8	836.3	836.7	837.2	837.6	838.0	838.4	838.0
150°	857.4	857.6	858.3	859.0	859.8	860.5	860.5	860.5	860.5	860.5	860.3
152.5°	879.6	879.9	880.2	880.4	880.7	881.1	881.5	881.9	882.3	882.7	882.6
155°	910.2	910.3	910.5	910.7	910.9	911.1	911.8	912.5	913.2	913.9	913.8
157.5°	936.9	936.8	937.0	937.2	937.4	937.5	938.3	939.0	939.7	940.4	940.2
160°	953.1	952.9	953.1	953.2	953.4	953.6	954.3	955.1	955.8	956.5	956.3
162.5°	968.4	968.2	968.3	968.3	968.4	968.4	969.2	970.1	970.9	971.8	971.7
165°	988.2	988.2	988.4	988.6	988.7	988.9	989.6	990.3	991.0	991.7	991.6
167.5°	1003.5	1003.2	1003.2	1003.2	1003.2	1003.2	1004.2	1005.4	1006.4	1007.5	1007.5
170°	1012.6	1012.2	1012.2	1012.2	1012.2	1012.2	1013.3	1014.3	1015.4	1016.4	1016.4
172.5°	1019.0	1018.6	1018.6	1018.6	1018.6	1018.6	1019.7	1020.7	1021.8	1022.9	1022.9
175°	1026.2	1025.8	1025.8	1025.8	1025.8	1025.8	1026.9	1027.9	1029.0	1030.2	1030.0
177.5°	1030.5	1030.1	1029.9	1029.8	1029.7	1029.5	1030.4	1031.3	1032.1	1032.9	1032.8
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	427.1	425.6	425.1	425.7	425.1	425.6	427.1	427.3	427.5	428.6	427.0
5°	394.1	392.3	393.2	392.8	393.2	392.3	394.1	395.9	396.3	397.9	399.0
7.5°	365.0	362.7	360.4	361.1	360.4	362.7	365.0	365.0	367.9	370.0	371.5
10°	344.7	342.9	341.7	342.7	341.7	342.9	344.7	347.1	348.2	350.7	353.5
12.5°	327.6	326.5	325.5	325.1	325.5	326.5	327.6	330.1	332.6	335.6	338.7
15°	304.2	302.1	301.1	298.7	301.1	302.1	304.2	306.4	311.3	312.7	317.2
17.5°	282.7	282.0	279.6	278.6	279.6	282.0	282.7	284.6	286.8	291.6	295.0
20°	270.0	269.3	266.9	268.3	266.9	269.3	270.0	272.7	274.6	278.5	281.7
22.5°	259.4	257.9	257.1	256.7	257.1	257.9	259.4	260.7	263.2	266.7	270.5
25°	244.5	242.2	241.2	240.2	241.2	242.2	244.5	245.3	247.9	251.4	253.3
27.5°	229.7	228.4	227.2	226.9	227.2	228.4	229.7	230.7	233.0	236.0	239.6
30°	220.0	218.7	217.9	217.9	217.9	218.7	220.0	222.2	223.9	226.6	229.3
32.5°	211.4	210.4	209.5	209.3	209.5	210.4	211.4	212.5	214.5	217.5	220.4
35°	198.8	197.3	196.9	195.8	196.9	197.3	198.8	199.7	201.7	203.9	206.3
37.5°	185.7	184.5	184.5	184.3	184.5	184.5	185.7	187.4	189.0	191.0	193.9
40°	177.4	176.4	176.3	175.0	176.3	176.4	177.4	178.1	179.9	182.5	184.7
42.5°	168.4	167.9	167.3	166.8	167.3	167.9	168.4	169.9	171.4	173.3	176.0
45°	156.3	155.0	155.0	154.2	155.0	155.0	156.3	157.6	158.4	160.5	164.2
47.5°	143.8	142.8	142.9	142.0	142.9	142.8	143.8	144.2	145.4	147.5	149.6
50°	135.5	134.9	134.8	134.4	134.8	134.9	135.5	135.3	136.7	138.7	141.5
52.5°	127.1	126.8	127.5	126.7	127.5	126.8	127.1	127.5	128.6	129.8	132.5
55°	115.9	115.3	116.5	115.3	116.5	115.3	115.9	115.5	115.9	117.2	118.8
57.5°	103.0	102.4	103.5	102.9	103.5	102.4	103.0	103.0	104.1	104.3	105.8
60°	94.4	93.3	93.9	94.1	93.9	93.3	94.4	94.8	95.2	95.4	96.8
62.5°	84.4	83.7	84.1	83.3	84.1	83.7	84.4	85.2	86.0	86.9	87.8
65°	70.1	69.6	68.8	68.4	68.8	69.6	70.1	70.5	72.5	73.6	75.6
67.5°	58.9	57.6	57.5	57.8	57.5	57.6	58.9	58.9	60.3	61.2	62.5
70°	50.7	50.7	50.5	50.5	50.5	50.7	50.7	51.8	52.5	53.2	54.2
72.5°	45.0	44.8	44.5	44.4	44.5	44.8	45.0	45.4	45.8	46.5	47.5
75°	36.3	36.4	36.0	35.9	36.0	36.4	36.3	36.3	37.0	37.2	37.5
77.5°	26.8	26.0	26.4	26.0	26.4	26.0	26.8	27.5	27.7	28.5	28.6
80°	20.3	20.1	20.7	20.1	20.7	20.1	20.3	20.3	20.8	21.2	22.2
82.5°	16.1	15.9	16.2	15.8	16.2	15.9	16.1	15.9	16.2	16.7	16.6
85°	9.7	9.5	9.3	9.5	9.3	9.5	9.7	9.5	9.3	9.5	9.7
87.5°	6.9	6.9	7.0	7.1	7.0	6.9	6.9	6.7	6.7	6.5	6.3
90°	17.7	18.2	18.7	19.3	18.7	18.2	17.7	17.1	16.4	15.5	14.7
92.5°	36.7	37.1	37.5	37.9	37.5	37.1	36.7	36.3	35.6	34.4	33.2
95°	68.0	68.3	68.7	69.0	68.7	68.3	68.0	67.6	66.8	65.5	64.3
97.5°	104.0	104.3	104.5	104.6	104.5	104.3	104.0	103.8	103.1	102.0	100.8
100°	130.6	130.9	131.3	131.7	131.3	130.9	130.6	130.2	129.2	127.6	126.0
102.5°	157.1	157.6	158.1	158.6	158.1	157.6	157.1	156.6	155.5	153.8	152.0
105°	197.5	198.0	198.5	199.1	198.5	198.0	197.5	196.9	196.1	195.0	194.0
107.5°	240.6	240.6	240.5	240.5	240.5	240.6	240.6	240.7	240.3	239.9	239.3
110°	271.9	271.6	271.5	271.3	271.5	271.6	271.9	272.0	271.9	271.3	270.8



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	302.5	302.1	301.8	301.5	301.8	302.1	302.5	302.8	302.8	302.5	302.3
115°	349.7	349.5	349.4	349.2	349.4	349.5	349.7	349.9	350.1	350.2	350.4
117.5°	397.8	397.1	396.4	395.7	396.4	397.1	397.8	398.5	398.9	398.7	398.5
120°	430.0	429.3	428.6	427.9	428.6	429.3	430.0	430.7	431.0	431.0	431.0
122.5°	461.7	461.1	460.5	459.9	460.5	461.1	461.7	462.2	462.6	462.7	462.9
125°	508.7	508.4	508.3	508.1	508.3	508.4	508.7	508.8	509.1	509.5	509.8
127.5°	555.4	555.1	554.7	554.4	554.7	555.1	555.4	555.8	556.0	556.2	556.3
130°	586.2	585.9	585.5	585.2	585.5	585.9	586.2	586.6	586.8	587.0	587.2
132.5°	615.5	615.1	614.6	614.0	614.6	615.1	615.5	616.1	616.4	616.6	616.7
135°	661.2	660.4	659.7	659.0	659.7	660.4	661.2	661.9	662.2	662.2	662.2
137.5°	705.7	704.8	703.9	703.0	703.9	704.8	705.7	706.5	706.9	706.7	706.5
140°	734.0	733.0	732.1	731.3	732.1	733.0	734.0	734.8	735.1	734.7	734.4
142.5°	760.9	760.0	759.1	758.2	759.1	760.0	760.9	761.8	762.2	761.9	761.7
145°	800.3	799.7	799.2	798.7	799.2	799.7	800.3	800.8	801.1	801.1	801.1
147.5°	836.9	835.6	834.4	833.2	834.4	835.6	836.9	838.0	838.4	838.0	837.6
150°	859.9	859.6	859.2	858.9	859.2	859.6	859.9	860.3	860.5	860.5	860.5
152.5°	882.0	881.4	880.7	880.0	880.7	881.4	882.0	882.6	882.7	882.3	881.9
155°	912.9	912.0	911.2	910.2	911.2	912.0	912.9	913.8	913.9	913.2	912.5
157.5°	939.0	937.8	936.6	935.5	936.6	937.8	939.0	940.2	940.4	939.7	939.0
160°	955.5	954.6	953.7	952.8	953.7	954.6	955.5	956.3	956.5	955.8	955.1
162.5°	970.7	969.6	968.6	967.6	968.6	969.6	970.7	971.7	971.8	970.9	970.1
165°	990.5	989.4	988.4	987.3	988.4	989.4	990.5	991.6	991.7	991.0	990.3
167.5°	1006.4	1005.3	1004.2	1003.1	1004.2	1005.3	1006.4	1007.5	1007.5	1006.4	1005.4
170°	1015.1	1013.9	1012.6	1011.4	1012.6	1013.9	1015.1	1016.4	1016.4	1015.4	1014.3
172.5°	1021.8	1020.6	1019.5	1018.4	1019.5	1020.6	1021.8	1022.9	1022.9	1021.8	1020.7
175°	1028.8	1027.5	1026.3	1025.0	1026.3	1027.5	1028.8	1030.0	1030.2	1029.0	1027.9
177.5°	1031.9	1030.9	1029.9	1028.9	1029.9	1030.9	1031.9	1032.8	1032.9	1032.1	1031.3
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	427.5	429.0	429.9	432.0	434.9	436.4	438.4	439.9	442.0	444.4	446.5
5°	399.7	404.2	407.1	411.7	415.9	420.1	425.4	429.2	434.4	440.2	444.8
7.5°	374.1	379.5	384.4	390.5	397.4	402.8	409.8	416.8	424.8	433.2	441.0
10°	357.7	363.1	369.2	376.7	383.7	391.0	399.3	407.5	417.6	426.8	437.4
12.5°	341.4	347.5	354.3	362.7	371.1	380.4	388.8	398.1	408.9	421.0	432.4
15°	321.2	327.1	334.5	341.6	351.3	361.6	372.6	384.9	397.0	410.6	424.7
17.5°	299.6	306.0	314.1	322.4	332.6	344.6	355.5	369.0	382.5	398.3	414.9
20°	285.6	292.2	301.7	310.8	320.1	331.8	344.8	358.6	373.0	389.7	408.2
22.5°	274.4	279.1	288.5	297.8	308.7	320.8	333.4	347.8	363.5	380.8	400.1
25°	257.9	263.4	270.2	279.9	291.2	303.9	316.6	331.8	349.0	366.6	387.3
27.5°	243.2	247.7	254.4	262.1	273.4	286.5	300.1	315.9	333.6	351.5	373.2
30°	232.8	237.8	244.2	252.2	261.2	275.5	289.4	305.0	322.9	341.4	363.7
32.5°	223.8	228.9	234.4	242.0	251.7	264.4	278.7	294.0	312.2	331.3	353.0
35°	211.0	214.5	219.7	227.2	236.7	246.9	261.6	277.7	295.4	315.2	337.0
37.5°	196.5	201.0	206.0	212.6	220.9	232.0	245.7	262.0	278.5	297.3	317.2
40°	188.0	192.2	197.9	202.6	211.4	221.5	233.9	251.0	267.4	285.2	303.3
42.5°	179.4	183.4	188.2	194.2	202.0	211.8	223.4	239.2	256.9	273.6	288.8
45°	165.8	170.1	174.6	180.1	187.4	196.9	208.5	222.9	238.3	253.7	265.2
47.5°	152.9	156.9	161.2	166.8	173.6	182.8	193.1	205.9	220.8	233.9	242.1
50°	143.7	147.3	152.1	157.6	164.2	172.8	182.7	195.3	207.8	219.7	227.2
52.5°	134.6	138.7	143.5	148.2	154.6	163.1	172.3	183.2	195.0	204.7	210.9
55°	121.0	124.8	129.2	134.2	140.4	147.7	157.4	166.0	175.4	183.6	187.3
57.5°	107.8	111.2	115.3	120.5	126.1	132.9	140.6	148.9	155.4	161.3	165.4
60°	99.2	102.1	106.0	110.4	116.5	122.6	129.6	137.3	142.4	147.3	151.2
62.5°	90.4	93.2	96.9	100.8	106.2	111.9	118.6	124.8	129.8	133.2	137.6
65°	77.2	80.0	83.1	87.3	91.5	96.3	102.3	106.9	110.4	114.1	116.8
67.5°	65.0	67.3	70.2	73.5	77.1	81.7	86.3	90.2	92.5	94.7	98.0
70°	57.0	58.8	61.2	63.7	67.6	72.1	75.8	78.7	80.3	82.5	86.6
72.5°	48.7	50.9	53.1	55.6	58.8	62.6	65.8	68.8	69.8	71.5	74.1
75°	38.4	39.5	41.4	43.2	45.4	48.7	51.8	52.5	53.5	54.9	56.7
77.5°	29.1	30.0	30.8	32.0	33.7	36.4	38.0	39.1	39.4	39.9	41.7
80°	23.1	23.6	24.3	25.3	26.0	28.2	29.1	30.2	30.6	31.1	32.0
82.5°	17.0	17.4	17.9	18.7	19.8	20.8	21.6	22.7	22.8	23.2	23.4
85°	9.9	10.1	9.7	10.1	10.2	10.6	11.6	12.4	12.3	12.1	12.6
87.5°	6.3	6.1	5.7	5.9	5.3	5.2	5.0	4.8	4.8	4.8	4.8
90°	13.7	12.8	11.6	10.4	9.1	7.8	6.5	5.1	3.6	2.2	0.8
92.5°	32.0	30.8	29.3	27.7	26.2	24.7	23.4	22.4	21.4	20.4	19.4
95°	63.1	61.8	60.0	58.2	56.5	54.7	53.6	53.2	52.9	52.5	52.2
97.5°	99.6	98.4	95.9	93.5	91.0	88.6	87.3	87.1	87.0	86.8	86.7
100°	124.5	122.8	120.5	118.2	115.8	113.5	112.4	112.4	112.4	112.4	112.4
102.5°	150.3	148.5	147.3	146.2	145.0	143.8	142.8	142.1	141.4	140.7	140.0
105°	192.9	191.9	190.8	189.7	188.6	187.6	186.6	185.7	184.8	183.9	183.0
107.5°	238.8	238.2	237.4	236.6	235.8	235.0	234.1	233.2	232.3	231.4	230.5
110°	270.2	269.7	269.2	268.6	268.1	267.6	266.9	265.9	265.1	264.2	263.2



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	302.1	301.8	301.1	300.5	299.8	299.1	298.5	298.1	297.6	297.1	296.7
115°	350.6	350.8	350.4	350.1	349.7	349.4	348.8	348.1	347.4	346.7	345.9
117.5°	398.5	398.3	398.0	397.7	397.4	397.0	396.7	396.3	396.0	395.7	395.4
120°	431.0	431.0	430.9	430.7	430.5	430.3	429.8	428.9	428.0	427.1	426.2
122.5°	463.0	463.2	462.7	462.2	461.8	461.3	460.9	460.6	460.3	459.9	459.6
125°	510.2	510.5	510.3	510.2	510.0	509.8	509.1	508.1	507.0	506.0	504.9
127.5°	556.6	556.7	556.5	556.3	556.1	555.9	555.5	554.8	554.3	553.7	553.0
130°	587.4	587.6	587.2	586.8	586.5	586.1	585.5	584.6	583.8	582.8	581.9
132.5°	617.0	617.1	617.2	617.3	617.3	617.4	616.7	615.2	613.8	612.3	610.9
135°	662.2	662.2	662.0	661.9	661.7	661.5	660.9	659.8	658.7	657.7	656.6
137.5°	706.2	706.1	705.7	705.3	704.9	704.5	703.8	702.7	701.7	700.7	699.7
140°	734.0	733.6	733.1	732.6	732.1	731.5	730.8	729.9	729.0	728.1	727.2
142.5°	761.4	761.3	760.6	759.9	759.2	758.6	757.9	757.1	756.4	755.6	754.9
145°	801.1	801.1	800.6	800.0	799.5	798.9	798.3	797.6	796.9	796.1	795.4
147.5°	837.2	836.7	836.3	835.8	835.4	835.0	834.6	834.2	833.9	833.5	833.1
150°	860.5	860.5	859.8	859.0	858.3	857.6	857.4	857.5	857.7	857.9	858.1
152.5°	881.5	881.1	880.7	880.4	880.2	879.9	879.6	879.4	879.1	878.8	878.6
155°	911.8	911.1	910.9	910.7	910.5	910.3	910.2	910.2	910.2	910.2	910.2
157.5°	938.3	937.5	937.4	937.2	937.0	936.8	936.9	937.3	937.7	938.1	938.5
160°	954.3	953.6	953.4	953.2	953.1	952.9	953.1	953.6	954.1	954.7	955.2
162.5°	969.2	968.4	968.4	968.3	968.3	968.2	968.4	968.8	969.2	969.6	969.9
165°	989.6	988.9	988.7	988.6	988.4	988.2	988.2	988.6	989.0	989.4	989.8
167.5°	1004.2	1003.2	1003.2	1003.2	1003.2	1003.2	1003.5	1004.2	1005.0	1005.7	1006.4
170°	1013.3	1012.2	1012.2	1012.2	1012.2	1012.2	1012.6	1013.3	1014.0	1014.7	1015.4
172.5°	1019.7	1018.6	1018.6	1018.6	1018.6	1018.6	1019.0	1019.7	1020.4	1021.1	1021.8
175°	1026.9	1025.8	1025.8	1025.8	1025.8	1025.8	1026.2	1026.9	1027.6	1028.3	1029.0
177.5°	1030.4	1029.5	1029.7	1029.8	1029.9	1030.1	1030.5	1031.0	1031.6	1032.1	1032.8
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	448.1	449.4	451.3	453.5	455.3	457.2	458.2	458.2	459.1	461.0	463.5
5°	449.4	454.2	458.7	464.5	469.1	474.4	478.5	482.4	485.8	490.2	494.8
7.5°	449.0	456.9	465.2	474.4	484.6	492.7	501.0	507.5	513.9	522.4	528.9
10°	447.6	457.8	469.0	480.7	493.5	504.6	514.8	523.9	532.7	541.9	550.1
12.5°	444.9	458.0	471.6	485.7	501.8	514.6	527.6	537.3	547.6	557.6	567.8
15°	440.9	456.3	472.8	492.4	512.1	526.4	539.2	551.9	561.4	572.7	582.5
17.5°	432.8	452.6	473.3	494.7	513.7	530.3	543.8	555.8	565.9	578.4	591.6
20°	427.9	449.4	471.0	493.8	512.0	529.0	542.0	554.4	567.0	583.4	599.4
22.5°	421.2	444.1	467.0	488.7	507.9	524.3	537.7	552.9	569.6	588.0	607.5
25°	410.6	434.2	456.9	477.5	496.2	513.1	531.4	551.9	572.0	596.4	624.4
27.5°	397.0	419.9	440.1	461.9	480.5	501.9	524.7	547.0	576.0	609.5	644.4
30°	387.0	408.5	427.8	448.5	469.5	493.1	518.7	544.9	579.6	618.9	660.4
32.5°	375.3	394.8	413.8	433.8	458.1	484.0	511.3	543.3	584.6	629.4	672.4
35°	354.9	372.5	391.0	413.1	438.9	467.1	501.9	540.9	590.9	639.0	677.6
37.5°	333.6	347.5	366.1	389.4	417.6	450.1	489.6	537.0	588.3	631.5	647.9
40°	317.2	330.2	349.8	374.3	402.2	437.8	482.1	530.8	582.5	612.4	611.2
42.5°	301.0	314.1	333.0	357.7	386.7	426.6	472.2	522.8	566.3	577.7	554.0
45°	276.0	288.3	306.8	331.7	362.8	404.7	452.7	501.2	529.0	510.5	463.3
47.5°	250.6	262.5	279.7	304.0	338.0	381.9	427.3	467.1	471.0	431.3	374.6
50°	233.9	245.1	261.4	287.4	320.4	363.1	406.9	438.2	428.5	380.0	321.6
52.5°	217.7	228.4	243.7	268.2	301.9	343.8	382.9	407.5	385.0	333.4	280.9
55°	193.7	203.9	219.3	241.8	272.4	310.8	345.1	354.0	321.1	269.1	226.6
57.5°	170.9	178.4	193.5	213.5	243.0	276.9	301.3	299.8	263.4	216.6	186.1
60°	155.7	162.6	177.0	195.3	223.3	253.7	270.9	263.6	226.8	188.1	158.9
62.5°	141.7	148.1	160.2	177.0	201.1	227.5	240.0	229.9	195.2	161.2	137.9
65°	120.4	125.0	134.8	150.3	169.1	187.4	198.6	183.8	153.0	127.4	109.8
67.5°	100.5	104.5	113.1	124.3	137.3	150.0	154.5	140.6	116.7	99.4	87.0
70°	87.7	91.3	97.2	107.7	116.2	125.2	127.4	114.9	95.0	81.8	74.1
72.5°	75.4	78.7	83.9	91.3	97.2	102.3	103.4	91.8	76.5	67.5	61.6
75°	57.5	60.4	63.7	66.5	70.3	71.2	70.8	61.9	53.6	47.6	44.3
77.5°	42.2	43.5	45.5	46.6	46.7	46.7	44.8	39.1	34.9	32.4	31.1
80°	32.6	33.5	34.1	34.4	34.6	32.8	30.7	27.3	25.8	24.3	22.7
82.5°	23.7	24.2	24.8	24.9	23.9	22.3	20.5	18.8	17.7	17.0	16.4
85°	12.8	13.0	12.8	11.9	10.6	10.1	9.7	9.3	9.2	9.0	9.0
87.5°	5.0	4.8	4.4	4.8	5.1	5.1	5.5	5.5	5.6	5.8	6.0
90°	2.2	3.6	5.1	6.5	7.8	9.1	10.4	11.6	12.8	13.7	14.7
92.5°	20.4	21.4	22.4	23.4	24.7	26.2	27.7	29.3	30.8	32.0	33.2
95°	52.5	52.9	53.2	53.6	54.7	56.5	58.2	60.0	61.8	63.1	64.3
97.5°	86.8	87.0	87.1	87.3	88.6	91.0	93.5	95.9	98.4	99.6	100.8
100°	112.4	112.4	112.4	112.4	113.5	115.8	118.2	120.5	122.8	124.5	126.0
102.5°	140.7	141.4	142.1	142.8	143.8	145.0	146.2	147.3	148.5	150.3	152.0
105°	183.9	184.8	185.7	186.6	187.6	188.6	189.7	190.8	191.9	192.9	194.0
107.5°	231.4	232.3	233.2	234.1	235.0	235.8	236.6	237.4	238.2	238.8	239.3
110°	264.2	265.1	265.9	266.9	267.6	268.1	268.6	269.2	269.7	270.2	270.8



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	297.1	297.6	298.1	298.5	299.1	299.8	300.5	301.1	301.8	302.1	302.3
115°	346.7	347.4	348.1	348.8	349.4	349.7	350.1	350.4	350.8	350.6	350.4
117.5°	395.7	396.0	396.3	396.7	397.0	397.4	397.7	398.0	398.3	398.5	398.5
120°	427.1	428.0	428.9	429.8	430.3	430.5	430.7	430.9	431.0	431.0	431.0
122.5°	459.9	460.3	460.6	460.9	461.3	461.8	462.2	462.7	463.2	463.0	462.9
125°	506.0	507.0	508.1	509.1	509.8	510.0	510.2	510.3	510.5	510.2	509.8
127.5°	553.7	554.3	554.8	555.5	555.9	556.1	556.3	556.5	556.7	556.6	556.3
130°	582.8	583.8	584.6	585.5	586.1	586.5	586.8	587.2	587.6	587.4	587.2
132.5°	612.3	613.8	615.2	616.7	617.4	617.3	617.3	617.2	617.1	617.0	616.7
135°	657.7	658.7	659.8	660.9	661.5	661.7	661.9	662.0	662.2	662.2	662.2
137.5°	700.7	701.7	702.7	703.8	704.5	704.9	705.3	705.7	706.1	706.2	706.5
140°	728.1	729.0	729.9	730.8	731.5	732.1	732.6	733.1	733.6	734.0	734.4
142.5°	755.6	756.4	757.1	757.9	758.6	759.2	759.9	760.6	761.3	761.4	761.7
145°	796.1	796.9	797.6	798.3	798.9	799.5	800.0	800.6	801.1	801.1	801.1
147.5°	833.5	833.9	834.2	834.6	835.0	835.4	835.8	836.3	836.7	837.2	837.6
150°	857.9	857.7	857.5	857.4	857.6	858.3	859.0	859.8	860.5	860.5	860.5
152.5°	878.8	879.1	879.4	879.6	879.9	880.2	880.4	880.7	881.1	881.5	881.9
155°	910.2	910.2	910.2	910.2	910.3	910.5	910.7	910.9	911.1	911.8	912.5
157.5°	938.1	937.7	937.3	936.9	936.8	937.0	937.2	937.4	937.5	938.3	939.0
160°	954.7	954.1	953.6	953.1	952.9	953.1	953.2	953.4	953.6	954.3	955.1
162.5°	969.6	969.2	968.8	968.4	968.2	968.3	968.3	968.4	968.4	969.2	970.1
165°	989.4	989.0	988.6	988.2	988.2	988.4	988.6	988.7	988.9	989.6	990.3
167.5°	1005.7	1005.0	1004.2	1003.5	1003.2	1003.2	1003.2	1003.2	1003.2	1004.2	1005.4
170°	1014.7	1014.0	1013.3	1012.6	1012.2	1012.2	1012.2	1012.2	1012.2	1013.3	1014.3
172.5°	1021.1	1020.4	1019.7	1019.0	1018.6	1018.6	1018.6	1018.6	1018.6	1019.7	1020.7
175°	1028.3	1027.6	1026.9	1026.2	1025.8	1025.8	1025.8	1025.8	1025.8	1026.9	1027.9
177.5°	1032.1	1031.6	1031.0	1030.5	1030.1	1029.9	1029.8	1029.7	1029.5	1030.4	1031.3
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	445.9	445.9	445.9	445.9	445.9	445.9	445.9
2.5°	465.4	465.4	467.9	467.7	469.4	468.7	469.1
5°	500.3	503.4	506.1	507.9	510.7	511.4	511.0
7.5°	536.5	543.4	546.7	551.4	552.2	554.6	554.4
10°	558.8	565.6	570.8	574.7	576.8	579.3	579.6
12.5°	576.4	582.2	586.7	590.4	592.9	593.7	594.1
15°	590.2	596.5	601.8	607.1	610.3	612.7	613.9
17.5°	604.0	613.9	623.2	630.4	634.8	638.4	638.4
20°	614.7	626.0	637.7	645.9	654.4	658.1	658.6
22.5°	626.1	643.4	658.5	671.3	682.4	686.2	687.6
25°	649.8	672.5	695.8	713.7	726.5	734.0	735.1
27.5°	678.5	709.2	733.6	750.2	760.8	766.4	767.6
30°	698.7	727.1	749.0	761.4	766.4	767.1	764.4
32.5°	707.7	729.0	737.8	737.0	727.3	720.9	718.4
35°	696.6	692.3	670.9	645.2	625.7	613.2	609.9
37.5°	634.0	596.1	556.7	518.0	497.4	486.9	468.9
40°	572.2	518.2	477.2	444.7	421.4	402.7	398.3
42.5°	502.5	446.7	405.8	377.9	359.3	346.5	340.9
45°	403.8	355.8	321.9	300.6	286.3	276.9	272.7
47.5°	323.0	285.8	261.2	245.3	234.4	226.3	224.0
50°	278.6	248.9	228.1	214.7	206.4	200.3	197.7
52.5°	242.0	218.0	202.0	191.0	183.2	179.4	177.2
55°	199.7	179.0	167.5	158.7	154.3	151.2	149.7
57.5°	163.3	148.4	140.0	133.9	129.8	127.9	127.1
60°	143.0	131.3	123.6	118.8	116.1	113.5	112.7
62.5°	124.9	115.7	109.8	105.6	102.9	101.8	101.3
65°	100.7	94.7	90.2	87.7	85.5	85.1	84.9
67.5°	80.0	76.4	74.1	71.5	70.7	69.5	69.2
70°	68.4	66.1	63.3	62.4	61.5	60.2	60.4
72.5°	58.1	55.7	53.8	52.6	52.3	51.7	52.2
75°	42.5	41.7	41.0	40.1	39.7	39.7	39.5
77.5°	30.3	29.7	28.9	28.4	28.2	27.5	27.7
80°	21.9	21.1	20.7	20.8	20.3	20.1	20.1
82.5°	16.2	15.9	15.5	15.6	15.4	15.3	15.4
85°	9.0	8.8	8.8	8.6	8.6	8.4	8.4
87.5°	6.3	6.7	6.5	6.5	6.6	6.8	7.1
90°	15.5	16.4	17.1	17.7	18.2	18.7	19.3
92.5°	34.4	35.6	36.3	36.7	37.1	37.5	37.9
95°	65.5	66.8	67.6	68.0	68.3	68.7	69.0
97.5°	102.0	103.1	103.8	104.0	104.3	104.5	104.6
100°	127.6	129.2	130.2	130.6	130.9	131.3	131.7
102.5°	153.8	155.5	156.6	157.1	157.6	158.1	158.6
105°	195.0	196.1	196.9	197.5	198.0	198.5	199.1
107.5°	239.9	240.3	240.7	240.6	240.6	240.5	240.5
110°	271.3	271.9	272.0	271.9	271.6	271.5	271.3



TEST NUMBER: P333649-927

CATALOG NUMBER: S125RDIW-S375D1050U927-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	302.5	302.8	302.8	302.5	302.1	301.8	301.5
115°	350.2	350.1	349.9	349.7	349.5	349.4	349.2
117.5°	398.7	398.9	398.5	397.8	397.1	396.4	395.7
120°	431.0	431.0	430.7	430.0	429.3	428.6	427.9
122.5°	462.7	462.6	462.2	461.7	461.1	460.5	459.9
125°	509.5	509.1	508.8	508.7	508.4	508.3	508.1
127.5°	556.2	556.0	555.8	555.4	555.1	554.7	554.4
130°	587.0	586.8	586.6	586.2	585.9	585.5	585.2
132.5°	616.6	616.4	616.1	615.5	615.1	614.6	614.0
135°	662.2	662.2	661.9	661.2	660.4	659.7	659.0
137.5°	706.7	706.9	706.5	705.7	704.8	703.9	703.0
140°	734.7	735.1	734.8	734.0	733.0	732.1	731.3
142.5°	761.9	762.2	761.8	760.9	760.0	759.1	758.2
145°	801.1	801.1	800.8	800.3	799.7	799.2	798.7
147.5°	838.0	838.4	838.0	836.9	835.6	834.4	833.2
150°	860.5	860.5	860.3	859.9	859.6	859.2	858.9
152.5°	882.3	882.7	882.6	882.0	881.4	880.7	880.0
155°	913.2	913.9	913.8	912.9	912.0	911.2	910.2
157.5°	939.7	940.4	940.2	939.0	937.8	936.6	935.5
160°	955.8	956.5	956.3	955.5	954.6	953.7	952.8
162.5°	970.9	971.8	971.7	970.7	969.6	968.6	967.6
165°	991.0	991.7	991.6	990.5	989.4	988.4	987.3
167.5°	1006.4	1007.5	1007.5	1006.4	1005.3	1004.2	1003.1
170°	1015.4	1016.4	1016.4	1015.1	1013.9	1012.6	1011.4
172.5°	1021.8	1022.9	1022.9	1021.8	1020.6	1019.5	1018.4
175°	1029.0	1030.2	1030.0	1028.8	1027.5	1026.3	1025.0
177.5°	1032.1	1032.9	1032.8	1031.9	1030.9	1029.9	1028.9
180°	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4	1031.4

(END OF REPORT)