

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: P333496-840

Luminaire Tested: **S125RDIP-S375D590U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333496-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S375D590U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3861.1 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

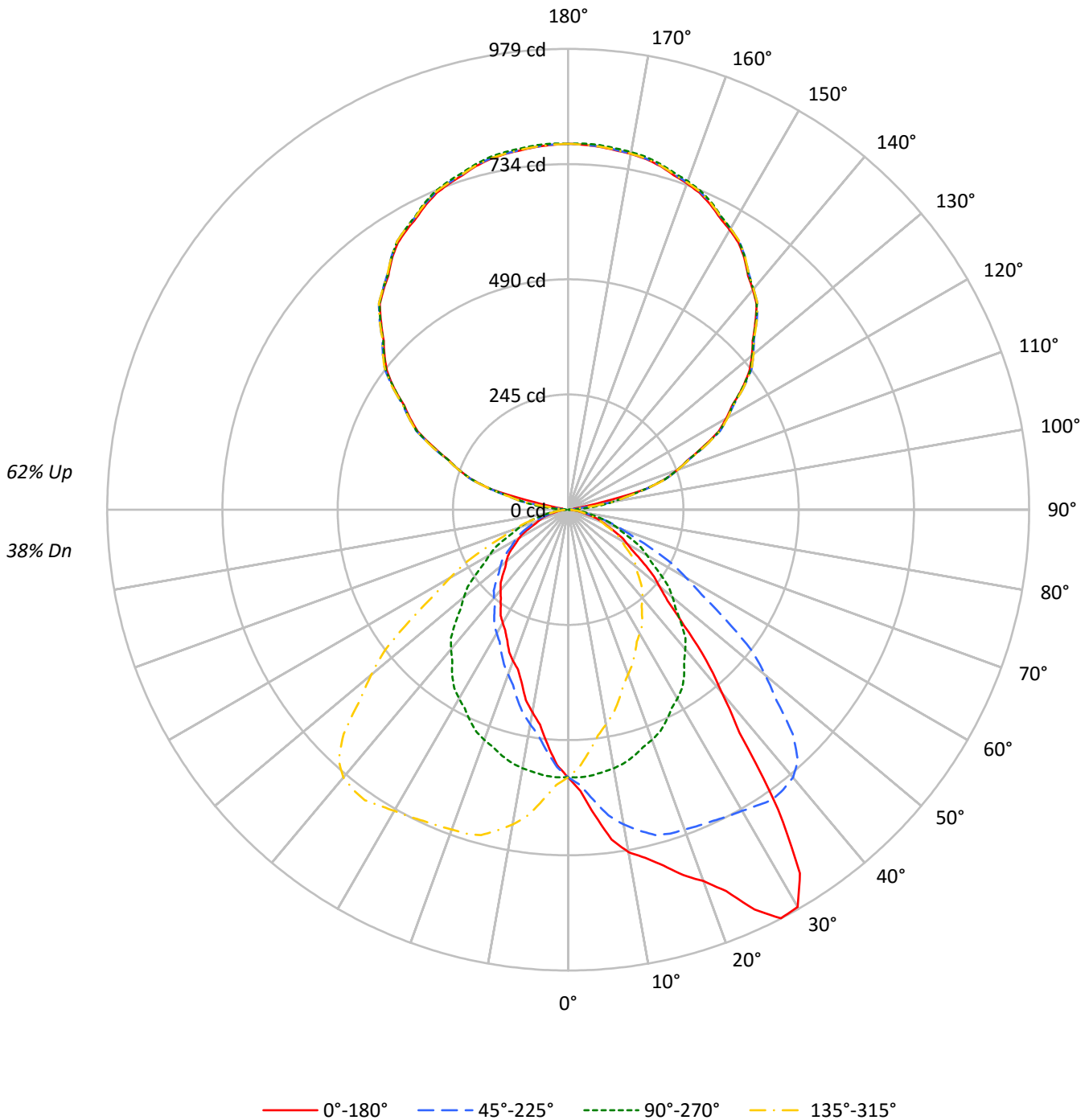
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				
1	95	91	88	84	87	83	80	77	68	66	64	54	52	51	40	40	39	33				
2	87	80	74	69	79	73	68	64	60	56	53	47	45	43	36	34	33	28				
3	80	71	64	58	72	64	58	54	53	48	45	42	39	37	32	30	29	24				
4	73	63	55	49	66	57	51	46	47	42	38	38	34	31	29	27	25	21				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18				
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16				
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	22	19	17	14				
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13				
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	18	16	14	12				
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	14	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3672	3672	3672	3672
5°	4224	3676	3247	3676
10°	4845	3657	2865	3657
15°	5233	3620	2546	3620
20°	5770	3577	2351	3577
25°	6678	3518	2182	3518
30°	7267	3457	2071	3457
35°	6130	3387	1968	3387
40°	4281	3260	1881	3260
45°	3176	3088	1795	3088
50°	2533	2910	1721	2910
55°	2149	2688	1655	2688
60°	1856	2490	1550	2490
65°	1655	2275	1334	2275
70°	1456	2085	1216	2085
75°	1258	1804	1140	1804
80°	956	1517	956	1517
85°	793	1193	897	1193



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	1.4
10°-20°	159.7	4.1
20°-30°	253.3	6.6
30°-40°	305.4	7.9
40°-50°	272.8	7.1
50°-60°	209.2	5.4
60°-70°	135.9	3.5
70°-80°	66.1	1.7
80°-90°	17.4	0.5
90°-100°	28.3	0.7
100°-110°	174.1	4.5
110°-120°	315.7	8.2
120°-130°	405.2	10.5
130°-140°	435.8	11.3
140°-150°	409.1	10.6
150°-160°	330.9	8.6
160°-170°	214.0	5.5
170°-180°	73.8	1.9
0°-30°	467.5	12.1
0°-40°	773.0	20.0
0°-60°	1254.9	32.5
0°-90°	1474.3	38.2
90°-120°	518.0	13.4
90°-150°	1768.1	45.8
90°-180°	2387.0	61.8
0°-180°	3861.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	652	567	501	567	652	65
15°	783	541	381	541	783	224
25°	937	494	306	494	937	430
35°	778	430	250	430	778	470
45°	348	338	196	338	348	277
55°	191	239	147	239	191	173
65°	108	149	87	149	108	108
75°	50	72	46	72	50	54
85°	11	16	12	16	11	13
90°	14	1	14	1	14	6
95°	12	33	12	33	12	10
105°	171	169	171	169	171	155
115°	316	318	316	318	316	313
125°	452	452	452	452	452	402
135°	562	564	562	564	562	434
145°	652	654	652	654	652	407
155°	715	720	715	720	715	330
165°	756	760	756	760	756	213
175°	774	777	774	777	774	74
180°	777	777	777	777	777	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	597.9	597.5	598.3	596.2	596.4	593.3	593.3	590.9	587.6	585.2	584.1
5°	651.5	652.0	651.1	647.5	645.2	641.7	637.7	630.8	624.9	619.2	614.9
7.5°	706.7	707.0	703.9	702.9	696.9	692.7	683.9	674.3	665.9	655.1	646.9
10°	738.8	738.5	735.3	732.7	727.6	721.0	712.4	701.3	690.7	679.0	667.8
12.5°	757.4	756.8	755.8	752.7	747.9	742.1	734.8	723.8	710.8	698.1	685.0
15°	782.6	781.0	778.0	774.0	767.2	760.4	752.3	742.6	730.1	715.7	703.6
17.5°	813.9	813.9	809.2	803.7	794.5	782.5	769.9	754.2	737.3	721.4	708.5
20°	839.6	838.9	834.2	823.4	812.9	798.0	783.6	764.2	743.7	722.9	706.8
22.5°	876.6	874.7	869.9	855.8	839.5	820.2	798.1	774.5	749.6	726.1	704.9
25°	937.2	935.7	926.1	909.8	887.0	857.3	828.4	796.0	760.2	729.2	703.6
27.5°	978.6	977.0	969.9	956.3	935.2	904.0	864.9	821.5	777.0	734.3	697.3
30°	974.4	978.0	977.0	970.7	954.8	926.9	890.7	841.9	788.9	738.8	694.7
32.5°	915.8	919.0	927.2	939.6	940.5	929.3	902.2	857.2	802.3	745.3	692.6
35°	777.5	781.7	797.6	822.5	855.3	882.5	888.1	863.8	814.6	753.3	689.5
37.5°	597.7	620.7	634.1	660.4	709.7	759.9	808.2	826.0	805.1	749.9	684.6
40°	507.8	513.3	537.1	566.8	608.3	660.6	729.4	779.1	780.7	742.6	676.7
42.5°	434.5	441.7	458.0	481.7	517.3	569.5	640.6	706.2	736.5	722.0	666.4
45°	347.7	353.0	365.0	383.1	410.4	453.6	514.7	590.6	650.8	674.4	638.9
47.5°	285.6	288.5	298.8	312.8	333.0	364.4	411.7	477.6	549.8	600.4	595.4
50°	252.1	255.3	263.2	273.7	290.7	317.3	355.2	410.0	484.4	546.2	558.7
52.5°	225.9	228.6	233.6	243.5	257.5	277.9	308.5	358.1	425.1	490.8	519.5
55°	190.9	192.8	196.7	202.3	213.5	228.2	254.6	288.9	343.1	409.3	451.3
57.5°	162.1	163.0	165.5	170.7	178.4	189.1	208.2	237.2	276.1	335.8	382.1
60°	143.7	144.7	147.9	151.5	157.5	167.3	182.3	202.6	239.8	289.1	336.0
62.5°	129.2	129.8	131.2	134.6	140.0	147.5	159.3	175.8	205.5	248.8	293.1
65°	108.3	108.5	109.0	111.8	115.0	120.7	128.4	140.0	162.4	195.1	234.3
67.5°	88.2	88.6	90.2	91.2	94.5	97.5	102.0	110.9	126.7	148.8	179.3
70°	77.1	76.7	78.4	79.6	80.7	84.2	87.3	94.5	104.3	121.1	146.5
72.5°	66.6	65.9	66.7	67.1	68.6	71.0	74.0	78.5	86.0	97.6	117.0
75°	50.4	50.6	50.6	51.1	52.3	53.2	54.1	56.5	60.7	68.4	78.9
77.5°	35.3	35.0	36.0	36.2	36.9	37.9	38.7	39.6	41.3	44.4	49.9
80°	25.7	25.7	25.9	26.6	26.4	26.9	28.0	29.0	31.0	32.9	34.7
82.5°	19.7	19.5	19.7	19.9	19.8	20.3	20.7	20.9	21.7	22.6	23.9
85°	10.7	10.7	11.0	11.0	11.2	11.2	11.4	11.4	11.4	11.7	11.9
87.5°	6.9	6.6	6.4	6.3	6.4	6.7	6.4	6.1	5.9	5.8	5.8
90°	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5	9.9	9.2	8.3
92.5°	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5	9.9	9.2	8.4
95°	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5	9.9	9.2	14.0
97.5°	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1	24.7	28.4	38.0
100°	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1	81.2	100.3	99.8
102.5°	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7	124.3	127.9	127.6
105°	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4	217.3	217.3	217.1
110°	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0	247.4	247.7	247.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3	276.8	277.2	277.1
115°	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4	321.0	321.5	321.3
117.5°	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1	363.9	364.5	364.0
120°	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7	390.9	391.2	390.8
122.5°	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0	417.3	417.5	417.3
125°	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3	455.9	456.4	456.4
127.5°	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3	490.6	490.9	491.0
130°	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2	513.5	513.9	513.8
132.5°	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5	534.6	534.7	534.9
135°	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8	566.1	566.3	566.6
137.5°	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0	595.0	594.9	595.2
140°	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0	612.7	612.5	612.6
142.5°	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6	630.5	630.5	630.3
145°	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4	655.2	655.1	655.1
147.5°	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6	676.5	676.3	676.1
150°	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1	689.9	689.6	689.4
152.5°	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2	702.0	701.7	701.4
155°	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7	718.3	717.9	717.6
157.5°	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4	732.0	731.5	731.4
160°	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8	740.3	739.8	739.6
162.5°	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6	747.9	747.2	747.0
165°	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6	757.8	757.1	757.0
167.5°	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2	765.3	764.4	764.2
170°	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1	769.0	768.0	767.9
172.5°	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1	772.1	771.2	771.0
175°	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4	775.4	774.4	774.3
177.5°	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8	777.1	776.3	776.2
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	584.1	582.8	580.4	578.1	575.3	572.9	571.2	569.2	566.5	563.4	560.8
5°	610.0	604.8	598.0	592.2	584.7	579.0	572.9	567.0	561.2	553.7	547.1
7.5°	638.6	628.0	617.7	604.7	593.0	582.5	572.4	562.2	552.2	541.6	531.4
10°	656.2	643.3	629.1	612.8	597.8	583.6	570.6	557.6	544.1	532.3	519.5
12.5°	672.6	656.0	639.7	619.1	601.2	583.8	567.1	551.2	536.7	521.3	507.5
15°	687.4	671.1	652.9	627.7	602.7	581.7	562.1	541.4	523.4	506.1	490.7
17.5°	693.2	676.0	654.9	630.7	603.4	576.9	551.7	529.0	507.8	487.7	470.4
20°	690.9	674.4	652.7	629.5	600.4	572.9	545.5	520.4	496.8	475.5	457.2
22.5°	685.5	668.4	647.4	623.0	595.3	566.1	536.9	510.1	485.4	463.4	443.3
25°	677.4	654.1	632.6	608.7	582.4	553.5	523.4	493.7	467.4	444.9	423.0
27.5°	668.9	639.9	612.5	588.9	561.0	535.2	506.1	475.7	448.1	425.3	402.7
30°	661.3	628.6	598.5	571.7	545.3	520.8	493.3	463.6	435.2	411.6	388.8
32.5°	651.8	617.0	584.0	553.0	527.6	503.3	478.4	450.0	422.3	398.0	374.8
35°	639.9	595.5	559.6	526.6	498.5	474.8	452.4	429.6	401.8	376.6	354.0
37.5°	624.2	573.8	532.3	496.4	466.7	443.0	425.3	404.3	379.0	355.0	334.0
40°	614.6	558.2	512.7	477.2	446.0	420.9	404.3	386.7	363.6	340.9	319.9
42.5°	602.0	543.8	492.9	456.0	424.4	400.4	383.6	368.2	348.8	327.5	305.0
45°	577.0	515.9	462.5	422.8	391.1	367.5	351.8	338.1	323.5	303.8	284.2
47.5°	544.7	486.9	430.9	387.6	356.6	334.7	319.5	308.6	298.1	281.4	262.5
50°	518.8	462.9	408.4	366.4	333.3	312.5	298.2	289.6	280.0	264.9	248.9
52.5°	488.1	438.3	384.9	341.9	310.6	291.1	277.5	268.8	260.9	248.6	233.5
55°	439.9	396.2	347.2	308.2	279.5	259.9	246.9	238.7	234.1	223.6	211.7
57.5°	384.2	352.9	309.7	272.2	246.7	227.4	217.8	210.9	205.6	198.1	189.8
60°	345.4	323.5	284.7	248.9	225.6	207.2	198.5	192.8	187.8	181.6	175.0
62.5°	306.0	290.0	256.3	225.6	204.2	188.7	180.7	175.4	169.8	165.5	159.2
65°	253.2	238.9	215.6	191.6	171.8	159.4	153.5	148.9	145.4	140.7	136.2
67.5°	196.9	191.2	175.0	158.4	144.2	133.2	128.2	124.9	120.8	118.0	114.9
70°	162.4	159.6	148.1	137.2	123.9	116.4	111.8	110.4	105.2	102.4	100.4
72.5°	131.8	130.5	123.9	116.3	106.9	100.4	96.1	94.5	91.2	89.0	87.7
75°	90.3	90.8	89.6	84.7	81.2	77.1	73.3	72.3	70.0	68.2	67.0
77.5°	57.2	59.5	59.6	59.4	58.0	55.4	53.8	53.1	50.9	50.2	49.9
80°	39.2	41.8	44.1	43.8	43.4	42.7	41.5	40.8	39.7	39.0	38.5
82.5°	26.2	28.5	30.5	31.7	31.6	30.9	30.2	29.8	29.6	29.1	29.0
85°	12.3	12.8	13.5	15.1	16.4	16.6	16.4	16.1	15.5	15.7	15.9
87.5°	5.8	5.6	5.7	5.5	5.0	5.8	6.1	6.1	6.0	5.8	5.6
90°	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9	8.2	7.5	6.8
95°	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8	32.4	32.1	31.7
97.5°	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6	69.3	70.0	70.6
100°	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2	96.6	96.9	97.4
102.5°	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3	124.8	125.3	125.8
105°	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4	169.9	170.5	171.0
107.5°	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2
110°	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2	275.5	275.8	276.1
115°	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0	318.7	319.3	319.9
117.5°	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4	362.3	362.3	362.3
120°	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1	389.9	389.8	389.7
122.5°	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4	415.0	415.5	416.0
125°	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3	453.2	454.0	454.9
127.5°	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4	489.0	489.7	490.3
130°	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5	511.1	511.8	512.4
132.5°	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6	533.3	534.1	534.8
135°	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1	564.8	565.6	566.3
137.5°	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0	593.7	594.3	595.0
140°	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9	612.2	612.4	612.7
142.5°	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9	629.1	629.2	629.4
145°	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0	654.2	654.5	654.7
147.5°	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8	675.8	675.7	675.7
150°	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.4	689.1	688.9
152.5°	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1	702.5	702.0	701.4
155°	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2	719.4	718.7	717.9
157.5°	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5	733.0	732.6	732.1
160°	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7	741.9	741.1	740.3
162.5°	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0	749.3	748.5	747.7
165°	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9	759.2	758.4	757.7
167.5°	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3	766.6	765.8	765.0
170°	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5	770.6	769.7	768.8
172.5°	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3	773.4	772.4	771.5
175°	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3	776.5	775.7	775.0
177.5°	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6	778.0	777.4	776.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	558.9	556.3	554.4	550.7	548.1	546.9	544.9	544.3	546.4	544.9	544.7
5°	542.3	535.5	530.2	524.8	519.0	515.2	509.6	508.7	507.3	505.2	504.7
7.5°	522.4	513.5	506.6	497.8	490.1	483.8	476.9	473.5	471.7	469.0	465.3
10°	509.0	498.5	489.1	480.2	470.7	462.9	456.0	450.6	447.1	443.8	442.4
12.5°	495.6	484.9	473.0	462.3	451.6	443.0	435.3	431.7	427.9	424.0	420.8
15°	475.0	460.9	447.8	435.5	426.4	417.0	409.5	404.3	398.6	396.9	390.6
17.5°	453.2	439.3	423.9	411.0	400.4	390.1	381.9	376.1	371.7	365.7	362.8
20°	439.6	423.0	408.1	396.2	384.6	372.4	364.1	359.1	355.0	350.0	347.7
22.5°	425.1	408.9	393.5	379.6	367.8	355.8	349.8	344.8	340.0	335.5	332.3
25°	403.6	387.4	371.2	356.8	344.5	335.8	328.8	323.0	320.4	316.0	312.7
27.5°	382.5	365.2	348.5	334.1	324.4	315.8	310.0	305.5	300.8	297.0	294.1
30°	368.9	351.2	333.0	321.5	311.2	303.2	296.8	292.4	288.9	285.4	283.3
32.5°	355.3	337.0	320.8	308.5	298.8	291.8	285.3	280.9	277.3	273.5	270.9
35°	333.5	314.8	301.7	289.6	280.0	273.5	269.0	263.0	259.9	257.1	254.6
37.5°	313.2	295.8	281.7	271.0	262.7	256.2	250.4	247.2	243.5	241.0	238.8
40°	298.2	282.4	269.5	258.3	252.3	245.0	239.6	235.4	232.7	229.3	227.0
42.5°	284.8	270.0	257.5	247.5	239.9	233.8	228.6	224.4	220.9	218.5	216.6
45°	265.8	251.1	238.9	229.6	222.6	216.8	211.4	209.3	204.6	201.9	200.9
47.5°	246.1	233.0	221.3	212.7	205.5	200.0	194.9	190.7	188.0	185.3	183.8
50°	232.9	220.3	209.3	200.9	193.9	187.8	183.2	180.4	176.8	174.3	172.5
52.5°	219.6	207.9	197.0	188.9	182.9	176.8	171.6	168.8	165.5	163.9	162.6
55°	200.7	188.3	178.9	171.1	164.7	159.2	154.2	151.5	149.4	147.7	147.2
57.5°	179.3	169.5	160.8	153.6	147.0	141.8	137.4	134.8	133.0	132.7	131.3
60°	165.2	156.3	148.5	140.7	135.1	130.2	126.4	123.4	121.6	121.4	120.9
62.5°	151.2	142.7	135.3	128.6	123.5	118.9	115.2	111.9	110.8	109.6	108.6
65°	130.5	122.7	116.6	111.3	105.9	102.0	98.5	96.3	93.8	92.4	89.9
67.5°	110.1	104.1	98.3	93.7	89.5	85.7	82.8	79.7	78.0	76.9	75.0
70°	96.6	91.9	86.1	81.2	78.0	74.9	72.6	69.1	67.9	67.0	66.0
72.5°	83.9	79.8	74.9	70.9	67.7	64.8	62.1	60.5	59.3	58.4	57.9
75°	66.0	62.1	57.9	55.0	52.7	50.4	49.0	47.9	47.4	47.2	46.3
77.5°	48.5	46.4	43.0	40.8	39.3	38.3	37.1	36.5	36.4	35.3	35.0
80°	37.1	36.0	33.1	32.2	31.0	30.1	29.4	28.3	27.1	26.6	25.9
82.5°	27.6	26.5	25.2	23.8	22.8	22.2	21.6	21.1	21.3	20.6	20.3
85°	14.7	13.5	13.0	12.8	12.3	12.8	12.6	12.3	12.1	11.9	12.1
87.5°	5.6	5.8	5.8	6.4	6.0	6.4	6.5	6.4	6.6	6.7	6.6
90°	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5	11.1	11.8	12.3
92.5°	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5	11.1	11.8	12.2
95°	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5	11.1	11.8	12.1
97.5°	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1	17.5	13.9	12.1
100°	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1	43.0	23.9	14.1
102.5°	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7	117.0	113.5	107.3
105°	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4	217.4	217.4	217.2
110°	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0	246.6	246.2	246.1



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3	275.8	275.3	275.0
115°	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4	319.9	319.4	318.8
117.5°	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1	362.4	361.8	361.3
120°	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7	390.4	390.2	389.7
122.5°	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0	416.8	416.5	416.0
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3	454.7	454.2	453.8
127.5°	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3	490.1	489.8	489.2
130°	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2	512.8	512.4	511.9
132.5°	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5	534.4	534.4	534.0
135°	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8	565.6	565.3	564.8
137.5°	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0	595.1	595.1	594.8
140°	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0	613.2	613.5	613.2
142.5°	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6	630.6	630.7	630.3
145°	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4	655.5	655.6	655.3
147.5°	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6	676.8	676.9	676.5
150°	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1	690.4	690.6	690.3
152.5°	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2	702.5	702.7	702.4
155°	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7	719.0	719.4	719.1
157.5°	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4	732.8	733.2	732.9
160°	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8	741.3	741.8	741.5
162.5°	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6	749.3	750.0	749.8
165°	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6	759.4	760.1	760.0
167.5°	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2	767.1	768.0	767.9
170°	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1	771.1	772.1	772.0
172.5°	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1	774.1	775.0	774.9
175°	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4	777.4	778.5	778.4
177.5°	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8	778.5	779.2	779.1
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.5	542.5	541.9	542.7	541.9	542.5	544.5	544.7	544.9	546.4	544.3
5°	502.4	500.1	501.2	500.8	501.2	500.1	502.4	504.7	505.2	507.3	508.7
7.5°	465.3	462.4	459.4	460.3	459.4	462.4	465.3	465.3	469.0	471.7	473.5
10°	439.4	437.1	435.7	436.9	435.7	437.1	439.4	442.4	443.8	447.1	450.6
12.5°	417.6	416.2	415.0	414.4	415.0	416.2	417.6	420.8	424.0	427.9	431.7
15°	387.8	385.1	383.8	380.8	383.8	385.1	387.8	390.6	396.9	398.6	404.3
17.5°	360.4	359.5	356.5	355.2	356.5	359.5	360.4	362.8	365.7	371.7	376.1
20°	344.2	343.3	340.2	342.0	340.2	343.3	344.2	347.7	350.0	355.0	359.1
22.5°	330.7	328.7	327.7	327.2	327.7	328.7	330.7	332.3	335.5	340.0	344.8
25°	311.7	308.7	307.5	306.2	307.5	308.7	311.7	312.7	316.0	320.4	323.0
27.5°	292.8	291.1	289.6	289.2	289.6	291.1	292.8	294.1	297.0	300.8	305.5
30°	280.4	278.8	277.7	277.7	277.7	278.8	280.4	283.3	285.4	288.9	292.4
32.5°	269.4	268.2	267.0	266.8	267.0	268.2	269.4	270.9	273.5	277.3	280.9
35°	253.4	251.6	251.1	249.6	251.1	251.6	253.4	254.6	257.1	259.9	263.0
37.5°	236.7	235.2	235.2	235.0	235.2	235.2	236.7	238.8	241.0	243.5	247.2
40°	226.1	224.9	224.7	223.1	224.7	224.9	226.1	227.0	229.3	232.7	235.4
42.5°	214.7	214.1	213.3	212.6	213.3	214.1	214.7	216.6	218.5	220.9	224.4
45°	199.2	197.6	197.6	196.5	197.6	197.6	199.2	200.9	201.9	204.6	209.3
47.5°	183.3	182.1	182.2	181.0	182.2	182.1	183.3	183.8	185.3	188.0	190.7
50°	172.7	172.0	171.8	171.3	171.8	172.0	172.7	172.5	174.3	176.8	180.4
52.5°	162.1	161.7	162.6	161.6	162.6	161.7	162.1	162.6	163.9	165.5	168.8
55°	147.7	147.0	148.5	147.0	148.5	147.0	147.7	147.2	147.7	149.4	151.5
57.5°	131.3	130.6	131.9	131.2	131.9	130.6	131.3	131.3	132.7	133.0	134.8
60°	120.4	119.0	119.7	120.0	119.7	119.0	120.4	120.9	121.4	121.6	123.4
62.5°	107.6	106.6	107.2	106.1	107.2	106.6	107.6	108.6	109.6	110.8	111.9
65°	89.4	88.7	87.8	87.3	87.8	88.7	89.4	89.9	92.4	93.8	96.3
67.5°	75.1	73.4	73.3	73.7	73.3	73.4	75.1	75.0	76.9	78.0	79.7
70°	64.6	64.6	64.4	64.4	64.4	64.6	64.6	66.0	67.0	67.9	69.1
72.5°	57.4	57.2	56.8	56.6	56.8	57.2	57.4	57.9	58.4	59.3	60.5
75°	46.3	46.5	45.9	45.7	45.9	46.5	46.3	46.3	47.2	47.4	47.9
77.5°	34.1	33.1	33.6	33.1	33.6	33.1	34.1	35.0	35.3	36.4	36.5
80°	25.9	25.7	26.4	25.7	26.4	25.7	25.9	25.9	26.6	27.1	28.3
82.5°	20.5	20.3	20.6	20.1	20.6	20.3	20.5	20.3	20.6	21.3	21.1
85°	12.3	12.1	11.9	12.1	11.9	12.1	12.3	12.1	11.9	12.1	12.3
87.5°	6.9	6.8	6.8	6.9	6.8	6.8	6.9	6.6	6.7	6.6	6.4
90°	12.7	13.0	13.4	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5
92.5°	12.3	12.5	12.7	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5
95°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5
97.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1
100°	13.6	13.1	12.6	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1
102.5°	98.6	89.9	81.2	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7
105°	171.5	171.4	171.3	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7
107.5°	216.9	216.5	216.1	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4
110°	246.2	246.3	246.5	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	274.8	274.6	274.5	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3
115°	318.0	317.3	316.5	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4
117.5°	361.0	360.6	360.3	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1
120°	389.1	388.5	387.8	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7
122.5°	415.3	414.4	413.7	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0
125°	453.4	453.0	452.7	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3
127.5°	488.2	487.3	486.4	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3
130°	511.3	510.6	510.0	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2
132.5°	533.4	532.7	532.1	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5
135°	564.1	563.3	562.5	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8
137.5°	594.2	593.5	592.9	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0
140°	612.5	611.7	611.0	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0
142.5°	629.5	628.7	627.9	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6
145°	654.5	653.8	653.0	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4
147.5°	675.6	674.7	673.8	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6
150°	689.3	688.2	687.2	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1
152.5°	701.5	700.5	699.5	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2
155°	718.1	717.1	716.1	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7
157.5°	731.8	730.7	729.7	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4
160°	740.5	739.5	738.5	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8
162.5°	748.7	747.6	746.5	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6
165°	759.0	758.0	757.0	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6
167.5°	766.8	765.6	764.5	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2
170°	770.9	769.7	768.6	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1
172.5°	773.7	772.5	771.3	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1
175°	777.3	776.1	775.0	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4
177.5°	778.3	777.5	776.7	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	544.9	546.9	548.1	550.7	554.4	556.3	558.9	560.8	563.4	566.5	569.2
5°	509.6	515.2	519.0	524.8	530.2	535.5	542.3	547.1	553.7	561.2	567.0
7.5°	476.9	483.8	490.1	497.8	506.6	513.5	522.4	531.4	541.6	552.2	562.2
10°	456.0	462.9	470.7	480.2	489.1	498.5	509.0	519.5	532.3	544.1	557.6
12.5°	435.3	443.0	451.6	462.3	473.0	484.9	495.6	507.5	521.3	536.7	551.2
15°	409.5	417.0	426.4	435.5	447.8	460.9	475.0	490.7	506.1	523.4	541.4
17.5°	381.9	390.1	400.4	411.0	423.9	439.3	453.2	470.4	487.7	507.8	529.0
20°	364.1	372.4	384.6	396.2	408.1	423.0	439.6	457.2	475.5	496.8	520.4
22.5°	349.8	355.8	367.8	379.6	393.5	408.9	425.1	443.3	463.4	485.4	510.1
25°	328.8	335.8	344.5	356.8	371.2	387.4	403.6	423.0	444.9	467.4	493.7
27.5°	310.0	315.8	324.4	334.1	348.5	365.2	382.5	402.7	425.3	448.1	475.7
30°	296.8	303.2	311.2	321.5	333.0	351.2	368.9	388.8	411.6	435.2	463.6
32.5°	285.3	291.8	298.8	308.5	320.8	337.0	355.3	374.8	398.0	422.3	450.0
35°	269.0	273.5	280.0	289.6	301.7	314.8	333.5	354.0	376.6	401.8	429.6
37.5°	250.4	256.2	262.7	271.0	281.7	295.8	313.2	334.0	355.0	379.0	404.3
40°	239.6	245.0	252.3	258.3	269.5	282.4	298.2	319.9	340.9	363.6	386.7
42.5°	228.6	233.8	239.9	247.5	257.5	270.0	284.8	305.0	327.5	348.8	368.2
45°	211.4	216.8	222.6	229.6	238.9	251.1	265.8	284.2	303.8	323.5	338.1
47.5°	194.9	200.0	205.5	212.7	221.3	233.0	246.1	262.5	281.4	298.1	308.6
50°	183.2	187.8	193.9	200.9	209.3	220.3	232.9	248.9	264.9	280.0	289.6
52.5°	171.6	176.8	182.9	188.9	197.0	207.9	219.6	233.5	248.6	260.9	268.8
55°	154.2	159.2	164.7	171.1	178.9	188.3	200.7	211.7	223.6	234.1	238.7
57.5°	137.4	141.8	147.0	153.6	160.8	169.5	179.3	189.8	198.1	205.6	210.9
60°	126.4	130.2	135.1	140.7	148.5	156.3	165.2	175.0	181.6	187.8	192.8
62.5°	115.2	118.9	123.5	128.6	135.3	142.7	151.2	159.2	165.5	169.8	175.4
65°	98.5	102.0	105.9	111.3	116.6	122.7	130.5	136.2	140.7	145.4	148.9
67.5°	82.8	85.7	89.5	93.7	98.3	104.1	110.1	114.9	118.0	120.8	124.9
70°	72.6	74.9	78.0	81.2	86.1	91.9	96.6	100.4	102.4	105.2	110.4
72.5°	62.1	64.8	67.7	70.9	74.9	79.8	83.9	87.7	89.0	91.2	94.5
75°	49.0	50.4	52.7	55.0	57.9	62.1	66.0	67.0	68.2	70.0	72.3
77.5°	37.1	38.3	39.3	40.8	43.0	46.4	48.5	49.9	50.2	50.9	53.1
80°	29.4	30.1	31.0	32.2	33.1	36.0	37.1	38.5	39.0	39.7	40.8
82.5°	21.6	22.2	22.8	23.8	25.2	26.5	27.6	29.0	29.1	29.6	29.8
85°	12.6	12.8	12.3	12.8	13.0	13.5	14.7	15.9	15.7	15.5	16.1
87.5°	6.5	6.4	6.0	6.4	5.8	5.8	5.6	5.6	5.8	6.0	6.1
90°	9.9	9.2	8.3	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6
92.5°	9.9	9.2	8.4	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9
95°	9.9	9.2	14.0	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8
97.5°	24.7	28.4	38.0	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6
100°	81.2	100.3	99.8	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2
102.5°	124.3	127.9	127.6	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3
105°	171.7	171.7	171.7	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4
107.5°	217.3	217.3	217.1	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2
110°	247.4	247.7	247.5	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	276.8	277.2	277.1	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2
115°	321.0	321.5	321.3	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0
117.5°	363.9	364.5	364.0	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4
120°	390.9	391.2	390.8	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1
122.5°	417.3	417.5	417.3	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3
127.5°	490.6	490.9	491.0	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4
130°	513.5	513.9	513.8	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5
132.5°	534.6	534.7	534.9	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6
135°	566.1	566.3	566.6	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1
137.5°	595.0	594.9	595.2	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0
140°	612.7	612.5	612.6	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9
142.5°	630.5	630.5	630.3	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9
145°	655.2	655.1	655.1	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0
147.5°	676.5	676.3	676.1	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8
150°	689.9	689.6	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6
152.5°	702.0	701.7	701.4	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1
155°	718.3	717.9	717.6	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2
157.5°	732.0	731.5	731.4	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5
160°	740.3	739.8	739.6	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7
162.5°	747.9	747.2	747.0	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0
165°	757.8	757.1	757.0	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9
167.5°	765.3	764.4	764.2	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3
170°	769.0	768.0	767.9	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5
172.5°	772.1	771.2	771.0	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3
175°	775.4	774.4	774.3	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3
177.5°	777.1	776.3	776.2	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	571.2	572.9	575.3	578.1	580.4	582.8	584.1	584.1	585.2	587.6	590.9
5°	572.9	579.0	584.7	592.2	598.0	604.8	610.0	614.9	619.2	624.9	630.8
7.5°	572.4	582.5	593.0	604.7	617.7	628.0	638.6	646.9	655.1	665.9	674.3
10°	570.6	583.6	597.8	612.8	629.1	643.3	656.2	667.8	679.0	690.7	701.3
12.5°	567.1	583.8	601.2	619.1	639.7	656.0	672.6	685.0	698.1	710.8	723.8
15°	562.1	581.7	602.7	627.7	652.9	671.1	687.4	703.6	715.7	730.1	742.6
17.5°	551.7	576.9	603.4	630.7	654.9	676.0	693.2	708.5	721.4	737.3	754.2
20°	545.5	572.9	600.4	629.5	652.7	674.4	690.9	706.8	722.9	743.7	764.2
22.5°	536.9	566.1	595.3	623.0	647.4	668.4	685.5	704.9	726.1	749.6	774.5
25°	523.4	553.5	582.4	608.7	632.6	654.1	677.4	703.6	729.2	760.2	796.0
27.5°	506.1	535.2	561.0	588.9	612.5	639.9	668.9	697.3	734.3	777.0	821.5
30°	493.3	520.8	545.3	571.7	598.5	628.6	661.3	694.7	738.8	788.9	841.9
32.5°	478.4	503.3	527.6	553.0	584.0	617.0	651.8	692.6	745.3	802.3	857.2
35°	452.4	474.8	498.5	526.6	559.6	595.5	639.9	689.5	753.3	814.6	863.8
37.5°	425.3	443.0	466.7	496.4	532.3	573.8	624.2	684.6	749.9	805.1	826.0
40°	404.3	420.9	446.0	477.2	512.7	558.2	614.6	676.7	742.6	780.7	779.1
42.5°	383.6	400.4	424.4	456.0	492.9	543.8	602.0	666.4	722.0	736.5	706.2
45°	351.8	367.5	391.1	422.8	462.5	515.9	577.0	638.9	674.4	650.8	590.6
47.5°	319.5	334.7	356.6	387.6	430.9	486.9	544.7	595.4	600.4	549.8	477.6
50°	298.2	312.5	333.3	366.4	408.4	462.9	518.8	558.7	546.2	484.4	410.0
52.5°	277.5	291.1	310.6	341.9	384.9	438.3	488.1	519.5	490.8	425.1	358.1
55°	246.9	259.9	279.5	308.2	347.2	396.2	439.9	451.3	409.3	343.1	288.9
57.5°	217.8	227.4	246.7	272.2	309.7	352.9	384.2	382.1	335.8	276.1	237.2
60°	198.5	207.2	225.6	248.9	284.7	323.5	345.4	336.0	289.1	239.8	202.6
62.5°	180.7	188.7	204.2	225.6	256.3	290.0	306.0	293.1	248.8	205.5	175.8
65°	153.5	159.4	171.8	191.6	215.6	238.9	253.2	234.3	195.1	162.4	140.0
67.5°	128.2	133.2	144.2	158.4	175.0	191.2	196.9	179.3	148.8	126.7	110.9
70°	111.8	116.4	123.9	137.2	148.1	159.6	162.4	146.5	121.1	104.3	94.5
72.5°	96.1	100.4	106.9	116.3	123.9	130.5	131.8	117.0	97.6	86.0	78.5
75°	73.3	77.1	81.2	84.7	89.6	90.8	90.3	78.9	68.4	60.7	56.5
77.5°	53.8	55.4	58.0	59.4	59.6	59.5	57.2	49.9	44.4	41.3	39.6
80°	41.5	42.7	43.4	43.8	44.1	41.8	39.2	34.7	32.9	31.0	29.0
82.5°	30.2	30.9	31.6	31.7	30.5	28.5	26.2	23.9	22.6	21.7	20.9
85°	16.4	16.6	16.4	15.1	13.5	12.8	12.3	11.9	11.7	11.4	11.4
87.5°	6.1	5.8	5.0	5.5	5.7	5.6	5.8	5.8	5.8	5.9	6.1
90°	1.6	2.6	3.6	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5
92.5°	8.2	7.5	6.8	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5
95°	32.4	32.1	31.7	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5
97.5°	69.3	70.0	70.6	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1
100°	96.6	96.9	97.4	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1
102.5°	124.8	125.3	125.8	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7
105°	169.9	170.5	171.0	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.2	216.2	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4
110°	246.6	246.6	246.6	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0



TEST NUMBER: P333496-840

CATALOG NUMBER: S125RDIP-S375D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	275.5	275.8	276.1	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3
115°	318.7	319.3	319.9	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4
117.5°	362.3	362.3	362.3	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1
120°	389.9	389.8	389.7	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7
122.5°	415.0	415.5	416.0	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0
125°	453.2	454.0	454.9	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3
127.5°	489.0	489.7	490.3	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3
130°	511.1	511.8	512.4	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2
132.5°	533.3	534.1	534.8	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5
135°	564.8	565.6	566.3	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8
137.5°	593.7	594.3	595.0	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0
140°	612.2	612.4	612.7	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0
142.5°	629.1	629.2	629.4	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6
145°	654.2	654.5	654.7	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4
147.5°	675.8	675.7	675.7	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6
150°	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1
152.5°	702.5	702.0	701.4	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2
155°	719.4	718.7	717.9	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7
157.5°	733.0	732.6	732.1	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4
160°	741.9	741.1	740.3	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8
162.5°	749.3	748.5	747.7	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6
165°	759.2	758.4	757.7	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6
167.5°	766.6	765.8	765.0	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2
170°	770.6	769.7	768.8	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1
172.5°	773.4	772.4	771.5	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1
175°	776.5	775.7	775.0	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4
177.5°	778.0	777.4	776.8	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	593.3	593.3	596.4	596.2	598.3	597.5	597.9
5°	637.7	641.7	645.2	647.5	651.1	652.0	651.5
7.5°	683.9	692.7	696.9	702.9	703.9	707.0	706.7
10°	712.4	721.0	727.6	732.7	735.3	738.5	738.8
12.5°	734.8	742.1	747.9	752.7	755.8	756.8	757.4
15°	752.3	760.4	767.2	774.0	778.0	781.0	782.6
17.5°	769.9	782.5	794.5	803.7	809.2	813.9	813.9
20°	783.6	798.0	812.9	823.4	834.2	838.9	839.6
22.5°	798.1	820.2	839.5	855.8	869.9	874.7	876.6
25°	828.4	857.3	887.0	909.8	926.1	935.7	937.2
27.5°	864.9	904.0	935.2	956.3	969.9	977.0	978.6
30°	890.7	926.9	954.8	970.7	977.0	978.0	974.4
32.5°	902.2	929.3	940.5	939.6	927.2	919.0	915.8
35°	888.1	882.5	855.3	822.5	797.6	781.7	777.5
37.5°	808.2	759.9	709.7	660.4	634.1	620.7	597.7
40°	729.4	660.6	608.3	566.8	537.1	513.3	507.8
42.5°	640.6	569.5	517.3	481.7	458.0	441.7	434.5
45°	514.7	453.6	410.4	383.1	365.0	353.0	347.7
47.5°	411.7	364.4	333.0	312.8	298.8	288.5	285.6
50°	355.2	317.3	290.7	273.7	263.2	255.3	252.1
52.5°	308.5	277.9	257.5	243.5	233.6	228.6	225.9
55°	254.6	228.2	213.5	202.3	196.7	192.8	190.9
57.5°	208.2	189.1	178.4	170.7	165.5	163.0	162.1
60°	182.3	167.3	157.5	151.5	147.9	144.7	143.7
62.5°	159.3	147.5	140.0	134.6	131.2	129.8	129.2
65°	128.4	120.7	115.0	111.8	109.0	108.5	108.3
67.5°	102.0	97.5	94.5	91.2	90.2	88.6	88.2
70°	87.3	84.2	80.7	79.6	78.4	76.7	77.1
72.5°	74.0	71.0	68.6	67.1	66.7	65.9	66.6
75°	54.1	53.2	52.3	51.1	50.6	50.6	50.4
77.5°	38.7	37.9	36.9	36.2	36.0	35.0	35.3
80°	28.0	26.9	26.4	26.6	25.9	25.7	25.7
82.5°	20.7	20.3	19.8	19.9	19.7	19.5	19.7
85°	11.4	11.2	11.2	11.0	11.0	10.7	10.7
87.5°	6.4	6.7	6.4	6.3	6.4	6.6	6.9
90°	11.1	11.8	12.3	12.7	13.0	13.4	13.8
92.5°	11.1	11.8	12.2	12.3	12.5	12.7	12.9
95°	11.1	11.8	12.1	12.1	12.1	12.1	12.1
97.5°	17.5	13.9	12.1	12.1	12.1	12.1	12.1
100°	43.0	23.9	14.1	13.6	13.1	12.6	12.1
102.5°	117.0	113.5	107.3	98.6	89.9	81.2	72.5
105°	171.7	171.7	171.7	171.5	171.4	171.3	171.1
107.5°	217.4	217.4	217.2	216.9	216.5	216.1	215.7
110°	246.6	246.2	246.1	246.2	246.3	246.5	246.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	275.8	275.3	275.0	274.8	274.6	274.5	274.3
115°	319.9	319.4	318.8	318.0	317.3	316.5	315.8
117.5°	362.4	361.8	361.3	361.0	360.6	360.3	360.0
120°	390.4	390.2	389.7	389.1	388.5	387.8	387.2
122.5°	416.8	416.5	416.0	415.3	414.4	413.7	413.0
125°	454.7	454.2	453.8	453.4	453.0	452.7	452.3
127.5°	490.1	489.8	489.2	488.2	487.3	486.4	485.3
130°	512.8	512.4	511.9	511.3	510.6	510.0	509.4
132.5°	534.4	534.4	534.0	533.4	532.7	532.1	531.5
135°	565.6	565.3	564.8	564.1	563.3	562.5	561.8
137.5°	595.1	595.1	594.8	594.2	593.5	592.9	592.2
140°	613.2	613.5	613.2	612.5	611.7	611.0	610.2
142.5°	630.6	630.7	630.3	629.5	628.7	627.9	627.2
145°	655.5	655.6	655.3	654.5	653.8	653.0	652.2
147.5°	676.8	676.9	676.5	675.6	674.7	673.8	672.9
150°	690.4	690.6	690.3	689.3	688.2	687.2	686.2
152.5°	702.5	702.7	702.4	701.5	700.5	699.5	698.6
155°	719.0	719.4	719.1	718.1	717.1	716.1	715.0
157.5°	732.8	733.2	732.9	731.8	730.7	729.7	728.7
160°	741.3	741.8	741.5	740.5	739.5	738.5	737.5
162.5°	749.3	750.0	749.8	748.7	747.6	746.5	745.3
165°	759.4	760.1	760.0	759.0	758.0	757.0	755.9
167.5°	767.1	768.0	767.9	766.8	765.6	764.5	763.3
170°	771.1	772.1	772.0	770.9	769.7	768.6	767.5
172.5°	774.1	775.0	774.9	773.7	772.5	771.3	770.2
175°	777.4	778.5	778.4	777.3	776.1	775.0	773.8
177.5°	778.5	779.2	779.1	778.3	777.5	776.7	775.9
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3

(END OF REPORT)