

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: P333503-840

Luminaire Tested: **S125RDIP-S375D810U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333503-840
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: S125RDIP-S375D810U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4306.5 lumens
Efficiency: N/A
Efficacy: 138.0 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

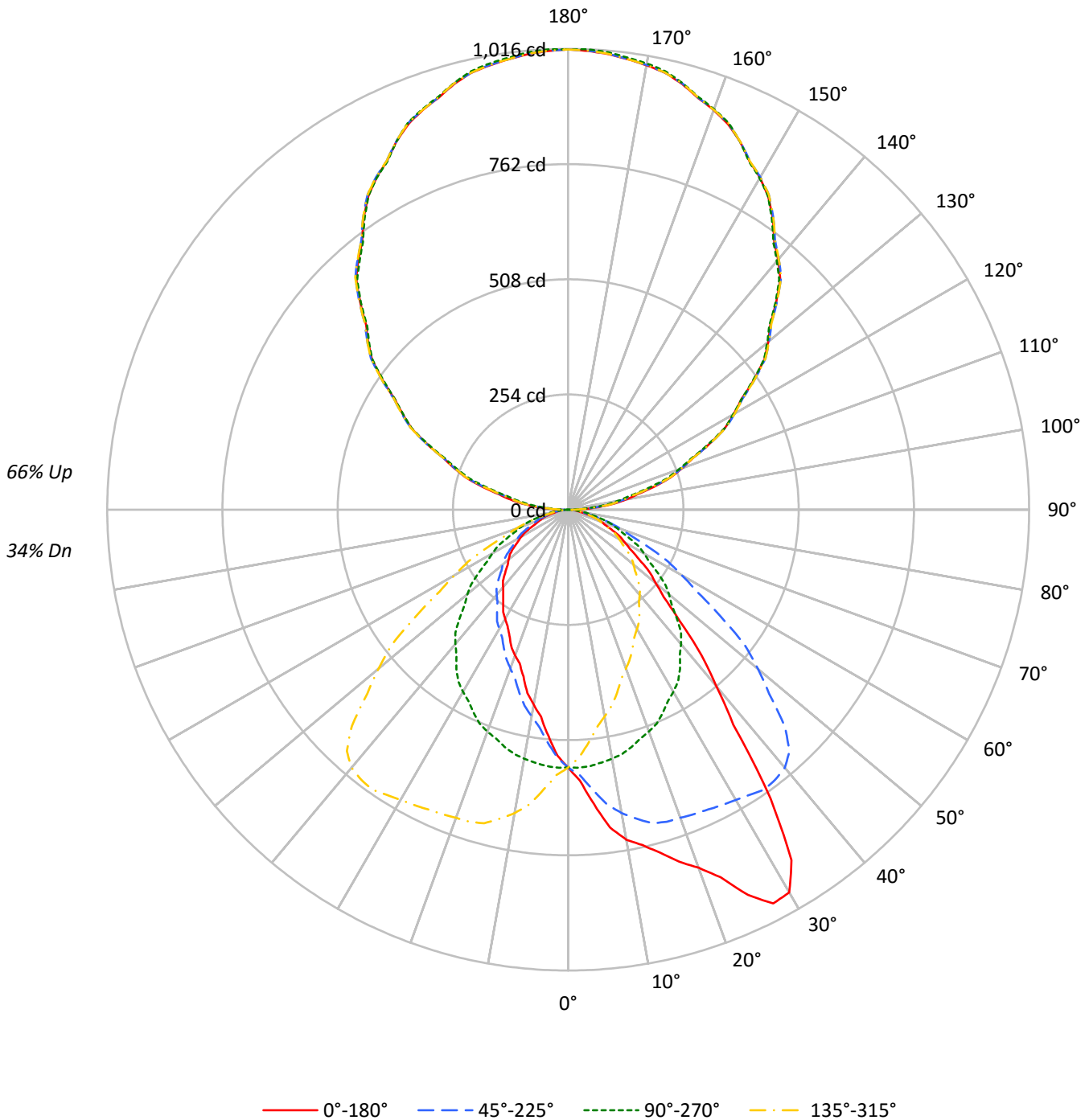
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34
1	95	90	87	83	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	86	79	73	69	78	72	67	63	58	54	51	45	43	41	33	32	30	25
3	79	70	63	57	71	63	57	53	51	47	43	40	37	35	30	28	26	22
4	72	62	54	49	65	56	50	45	46	41	37	36	32	30	26	24	23	19
5	66	55	47	42	60	50	43	38	41	36	32	32	29	26	24	22	20	16
6	61	49	42	36	55	45	38	33	37	32	28	29	25	23	22	19	18	14
7	56	44	37	31	51	41	34	29	33	28	25	26	23	20	20	17	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	16	14	11
9	48	37	29	25	44	34	27	23	28	23	19	22	19	16	17	14	13	10
10	45	34	27	22	41	31	25	20	25	21	17	20	17	14	16	13	11	9

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	1.3
10°-20°	159.7	3.7
20°-30°	253.3	5.9
30°-40°	305.4	7.1
40°-50°	272.8	6.3
50°-60°	209.2	4.9
60°-70°	135.9	3.2
70°-80°	66.1	1.5
80°-90°	18.0	0.4
90°-100°	68.0	1.6
100°-110°	200.7	4.7
110°-120°	339.9	7.9
120°-130°	447.4	10.4
130°-140°	501.3	11.6
140°-150°	491.3	11.4
150°-160°	412.7	9.6
160°-170°	274.3	6.4
170°-180°	96.0	2.2
0°-30°	467.5	10.9
0°-40°	773.0	17.9
0°-60°	1254.9	29.1
0°-90°	1474.9	34.2
90°-120°	608.6	14.1
90°-150°	2048.6	47.6
90°-180°	2832.0	65.8
0°-180°	4306.5	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°	19	1	19	1	19	11
95°	68	51	68	51	68	69
105°	196	180	196	180	196	207
115°	344	340	344	340	344	340
125°	500	497	500	497	500	446
135°	648	646	648	646	648	500
145°	786	782	786	782	786	490
155°	895	895	895	895	895	412
165°	971	974	971	974	971	274
175°	1008	1012	1008	1012	1008	96
180°	1015	1015	1015	1015	1015	



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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°	7.9	7.6	7.3	7.2	7.3	7.5	7.2	6.8	6.7	6.5	6.4
90°	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.3	13.5	12.6	11.4
92.5°	37.3	36.9	36.5	36.2	35.7	34.9	33.8	32.6	31.5	30.3	28.8
95°	67.9	67.6	67.3	66.9	66.6	65.7	64.5	63.2	62.0	60.8	59.1
97.5°	103.0	102.8	102.5	102.3	102.1	101.5	100.3	99.2	98.0	96.8	94.4
100°	129.5	129.2	128.8	128.5	128.2	127.1	125.5	124.0	122.4	120.8	118.6
102.5°	156.0	155.5	155.0	154.6	154.1	153.0	151.3	149.6	147.8	146.1	144.9
105°	195.8	195.3	194.8	194.3	193.7	193.0	191.9	190.9	189.8	188.7	187.6
107.5°	236.6	236.6	236.6	236.7	236.7	236.5	235.9	235.4	234.9	234.4	233.6
110°	266.9	267.1	267.2	267.4	267.6	267.4	266.9	266.4	265.9	265.3	264.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	296.6	296.9	297.2	297.5	297.9	297.9	297.6	297.4	297.2	296.9	296.3
115°	343.6	343.7	343.9	344.1	344.2	344.4	344.6	344.8	344.9	345.1	344.8
117.5°	389.3	390.0	390.7	391.4	392.1	392.4	392.2	392.1	391.9	391.8	391.5
120°	420.9	421.6	422.3	423.0	423.7	424.0	424.0	424.0	424.0	424.0	423.8
122.5°	452.5	453.0	453.6	454.1	454.7	455.0	455.2	455.3	455.4	455.7	455.1
125°	499.9	500.1	500.2	500.4	500.6	500.8	501.2	501.5	501.9	502.2	502.0
127.5°	545.3	545.7	546.0	546.4	546.7	547.0	547.1	547.3	547.5	547.8	547.5
130°	575.6	576.0	576.3	576.7	577.0	577.3	577.5	577.6	577.8	578.0	577.6
132.5°	604.1	604.6	605.1	605.6	606.0	606.4	606.5	606.7	606.9	607.1	607.1
135°	648.3	649.0	649.7	650.5	651.2	651.5	651.5	651.5	651.5	651.5	651.3
137.5°	691.6	692.5	693.4	694.2	695.1	695.4	695.2	695.0	694.8	694.6	694.2
140°	719.4	720.2	721.1	722.1	722.9	723.2	722.8	722.5	722.2	721.8	721.2
142.5°	745.9	746.8	747.7	748.5	749.4	749.7	749.5	749.3	749.1	748.9	748.2
145°	785.7	786.3	786.8	787.3	787.8	788.1	788.1	788.1	788.1	788.1	787.6
147.5°	819.7	820.9	822.0	823.2	824.5	824.9	824.5	823.9	823.5	823.1	822.7
150°	845.0	845.3	845.7	846.0	846.4	846.6	846.6	846.6	846.6	846.6	845.9
152.5°	865.8	866.5	867.1	867.7	868.3	868.4	868.0	867.6	867.2	866.8	866.5
155°	895.4	896.4	897.3	898.1	899.0	899.1	898.4	897.7	897.0	896.3	896.1
157.5°	920.3	921.4	922.6	923.7	924.9	925.1	924.4	923.7	923.0	922.3	922.1
160°	937.4	938.2	939.1	940.0	940.9	940.9	940.2	939.6	938.9	938.2	938.0
162.5°	951.9	952.9	953.9	954.9	955.9	956.0	955.2	954.3	953.5	952.7	952.6
165°	971.3	972.3	973.4	974.4	975.5	975.6	975.0	974.3	973.6	972.9	972.7
167.5°	986.7	987.8	989.0	990.1	991.1	991.2	990.1	989.1	988.0	986.9	986.9
170°	995.0	996.2	997.4	998.7	999.9	1000.0	999.0	997.8	996.8	995.7	995.7
172.5°	1001.9	1003.0	1004.1	1005.2	1006.3	1006.3	1005.2	1004.2	1003.1	1002.1	1002.1
175°	1008.5	1009.7	1010.9	1012.1	1013.3	1013.4	1012.4	1011.3	1010.3	1009.2	1009.2
177.5°	1012.2	1013.2	1014.2	1015.1	1016.1	1016.2	1015.3	1014.5	1013.7	1012.8	1013.0
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



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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°	6.4	6.1	6.1	5.8	5.3	6.0	6.3	6.2	6.1	6.0	5.9
90°	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	27.3	25.8	24.2	23.0	22.0	21.1	20.1	19.1	20.1	21.1	22.0
95°	57.3	55.5	53.8	52.7	52.4	52.0	51.7	51.3	51.7	52.0	52.4
97.5°	92.0	89.6	87.2	85.8	85.7	85.5	85.4	85.3	85.4	85.5	85.7
100°	116.2	114.0	111.7	110.6	110.6	110.6	110.6	110.6	110.6	110.6	110.6
102.5°	143.8	142.6	141.5	140.6	139.9	139.2	138.5	137.7	138.5	139.2	139.9
105°	186.6	185.6	184.5	183.6	182.7	181.8	181.0	180.1	181.0	181.8	182.7
107.5°	232.8	232.0	231.2	230.4	229.4	228.5	227.6	226.8	227.6	228.5	229.4
110°	264.3	263.8	263.3	262.6	261.7	260.7	259.9	259.0	259.9	260.7	261.7



TEST NUMBER: P333503-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	295.6	294.9	294.3	293.7	293.3	292.8	292.4	291.9	292.4	292.8	293.3
115°	344.4	344.1	343.7	343.2	342.4	341.7	341.0	340.3	341.0	341.7	342.4
117.5°	391.2	390.9	390.6	390.2	389.9	389.6	389.3	389.0	389.3	389.6	389.9
120°	423.7	423.5	423.3	422.8	421.9	421.1	420.2	419.3	420.2	421.1	421.9
122.5°	454.7	454.2	453.8	453.4	453.1	452.8	452.5	452.1	452.5	452.8	453.1
125°	501.9	501.7	501.5	500.9	499.9	498.8	497.8	496.7	497.8	498.8	499.9
127.5°	547.2	547.0	546.8	546.4	545.8	545.2	544.7	544.1	544.7	545.2	545.8
130°	577.3	576.9	576.6	576.0	575.1	574.3	573.4	572.5	573.4	574.3	575.1
132.5°	607.2	607.3	607.3	606.7	605.2	603.8	602.4	601.0	602.4	603.8	605.2
135°	651.2	651.0	650.8	650.2	649.1	648.0	647.0	645.9	647.0	648.0	649.1
137.5°	693.8	693.5	693.1	692.4	691.4	690.3	689.3	688.3	689.3	690.3	691.4
140°	720.7	720.1	719.6	718.9	718.1	717.2	716.3	715.5	716.3	717.2	718.1
142.5°	747.6	746.9	746.3	745.6	744.8	744.1	743.4	742.7	743.4	744.1	744.8
145°	787.0	786.5	786.0	785.4	784.7	784.0	783.3	782.5	783.3	784.0	784.7
147.5°	822.3	821.9	821.4	821.0	820.7	820.3	819.9	819.5	819.9	820.3	820.7
150°	845.2	844.4	843.7	843.4	843.6	843.8	843.9	844.1	843.9	843.8	843.6
152.5°	866.2	865.9	865.7	865.4	865.2	864.8	864.6	864.3	864.6	864.8	865.2
155°	896.0	895.8	895.5	895.4	895.4	895.4	895.4	895.4	895.4	895.4	895.4
157.5°	922.0	921.8	921.6	921.7	922.1	922.5	922.9	923.3	922.9	922.5	922.1
160°	937.8	937.6	937.5	937.6	938.2	938.7	939.2	939.7	939.2	938.7	938.2
162.5°	952.6	952.5	952.5	952.7	953.1	953.4	953.8	954.2	953.8	953.4	953.1
165°	972.5	972.3	972.2	972.3	972.6	973.0	973.3	973.7	973.3	973.0	972.6
167.5°	986.9	986.9	986.9	987.2	988.0	988.7	989.4	990.1	989.4	988.7	988.0
170°	995.7	995.7	995.7	996.1	996.8	997.5	998.3	999.0	998.3	997.5	996.8
172.5°	1002.1	1002.1	1002.1	1002.4	1003.1	1003.8	1004.5	1005.2	1004.5	1003.8	1003.1
175°	1009.2	1009.2	1009.2	1009.6	1010.3	1011.0	1011.7	1012.4	1011.7	1011.0	1010.3
177.5°	1013.1	1013.3	1013.4	1013.7	1014.3	1014.9	1015.4	1016.0	1015.4	1014.9	1014.3
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333503-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A1

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°	6.0	6.3	6.3	6.9	6.6	7.0	7.2	7.2	7.4	7.5	7.5
90°	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.3	15.2	16.2	16.9
92.5°	23.0	24.2	25.8	27.3	28.8	30.3	31.5	32.6	33.8	34.9	35.7
95°	52.7	53.8	55.5	57.3	59.1	60.8	62.0	63.2	64.5	65.7	66.6
97.5°	85.8	87.2	89.6	92.0	94.4	96.8	98.0	99.2	100.3	101.5	102.1
100°	110.6	111.7	114.0	116.2	118.6	120.8	122.4	124.0	125.5	127.1	128.2
102.5°	140.6	141.5	142.6	143.8	144.9	146.1	147.8	149.6	151.3	153.0	154.1
105°	183.6	184.5	185.6	186.6	187.6	188.7	189.8	190.9	191.9	193.0	193.7
107.5°	230.4	231.2	232.0	232.8	233.6	234.4	234.9	235.4	235.9	236.5	236.7
110°	262.6	263.3	263.8	264.3	264.8	265.3	265.9	266.4	266.9	267.4	267.6



TEST NUMBER: P333503-840

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	293.7	294.3	294.9	295.6	296.3	296.9	297.2	297.4	297.6	297.9	297.9
115°	343.2	343.7	344.1	344.4	344.8	345.1	344.9	344.8	344.6	344.4	344.2
117.5°	390.2	390.6	390.9	391.2	391.5	391.8	391.9	392.1	392.2	392.4	392.1
120°	422.8	423.3	423.5	423.7	423.8	424.0	424.0	424.0	424.0	424.0	423.7
122.5°	453.4	453.8	454.2	454.7	455.1	455.7	455.4	455.3	455.2	455.0	454.7
125°	500.9	501.5	501.7	501.9	502.0	502.2	501.9	501.5	501.2	500.8	500.6
127.5°	546.4	546.8	547.0	547.2	547.5	547.8	547.5	547.3	547.1	547.0	546.7
130°	576.0	576.6	576.9	577.3	577.6	578.0	577.8	577.6	577.5	577.3	577.0
132.5°	606.7	607.3	607.3	607.2	607.1	607.1	606.9	606.7	606.5	606.4	606.0
135°	650.2	650.8	651.0	651.2	651.3	651.5	651.5	651.5	651.5	651.5	651.2
137.5°	692.4	693.1	693.5	693.8	694.2	694.6	694.8	695.0	695.2	695.4	695.1
140°	718.9	719.6	720.1	720.7	721.2	721.8	722.2	722.5	722.8	723.2	722.9
142.5°	745.6	746.3	746.9	747.6	748.2	748.9	749.1	749.3	749.5	749.7	749.4
145°	785.4	786.0	786.5	787.0	787.6	788.1	788.1	788.1	788.1	788.1	787.8
147.5°	821.0	821.4	821.9	822.3	822.7	823.1	823.5	823.9	824.5	824.9	824.5
150°	843.4	843.7	844.4	845.2	845.9	846.6	846.6	846.6	846.6	846.6	846.4
152.5°	865.4	865.7	865.9	866.2	866.5	866.8	867.2	867.6	868.0	868.4	868.3
155°	895.4	895.5	895.8	896.0	896.1	896.3	897.0	897.7	898.4	899.1	899.0
157.5°	921.7	921.6	921.8	922.0	922.1	922.3	923.0	923.7	924.4	925.1	924.9
160°	937.6	937.5	937.6	937.8	938.0	938.2	938.9	939.6	940.2	940.9	940.9
162.5°	952.7	952.5	952.5	952.6	952.6	952.7	953.5	954.3	955.2	956.0	955.9
165°	972.3	972.2	972.3	972.5	972.7	972.9	973.6	974.3	975.0	975.6	975.5
167.5°	987.2	986.9	986.9	986.9	986.9	986.9	988.0	989.1	990.1	991.2	991.1
170°	996.1	995.7	995.7	995.7	995.7	995.7	996.8	997.8	999.0	1000.0	999.9
172.5°	1002.4	1002.1	1002.1	1002.1	1002.1	1002.1	1003.1	1004.2	1005.2	1006.3	1006.3
175°	1009.6	1009.2	1009.2	1009.2	1009.2	1009.2	1010.3	1011.3	1012.4	1013.4	1013.3
177.5°	1013.7	1013.4	1013.3	1013.1	1013.0	1012.8	1013.7	1014.5	1015.3	1016.2	1016.1
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333503-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A1

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°	7.8	7.7	7.8	7.9	7.8	7.7	7.8	7.5	7.5	7.4	7.2
90°	17.4	17.9	18.4	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.3
92.5°	36.2	36.5	36.9	37.3	36.9	36.5	36.2	35.7	34.9	33.8	32.6
95°	66.9	67.3	67.6	67.9	67.6	67.3	66.9	66.6	65.7	64.5	63.2
97.5°	102.3	102.5	102.8	103.0	102.8	102.5	102.3	102.1	101.5	100.3	99.2
100°	128.5	128.8	129.2	129.5	129.2	128.8	128.5	128.2	127.1	125.5	124.0
102.5°	154.6	155.0	155.5	156.0	155.5	155.0	154.6	154.1	153.0	151.3	149.6
105°	194.3	194.8	195.3	195.8	195.3	194.8	194.3	193.7	193.0	191.9	190.9
107.5°	236.7	236.6	236.6	236.6	236.6	236.6	236.7	236.7	236.5	235.9	235.4
110°	267.4	267.2	267.1	266.9	267.1	267.2	267.4	267.6	267.4	266.9	266.4



TEST NUMBER: P333503-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	297.5	297.2	296.9	296.6	296.9	297.2	297.5	297.9	297.9	297.6	297.4
115°	344.1	343.9	343.7	343.6	343.7	343.9	344.1	344.2	344.4	344.6	344.8
117.5°	391.4	390.7	390.0	389.3	390.0	390.7	391.4	392.1	392.4	392.2	392.1
120°	423.0	422.3	421.6	420.9	421.6	422.3	423.0	423.7	424.0	424.0	424.0
122.5°	454.1	453.6	453.0	452.5	453.0	453.6	454.1	454.7	455.0	455.2	455.3
125°	500.4	500.2	500.1	499.9	500.1	500.2	500.4	500.6	500.8	501.2	501.5
127.5°	546.4	546.0	545.7	545.3	545.7	546.0	546.4	546.7	547.0	547.1	547.3
130°	576.7	576.3	576.0	575.6	576.0	576.3	576.7	577.0	577.3	577.5	577.6
132.5°	605.6	605.1	604.6	604.1	604.6	605.1	605.6	606.0	606.4	606.5	606.7
135°	650.5	649.7	649.0	648.3	649.0	649.7	650.5	651.2	651.5	651.5	651.5
137.5°	694.2	693.4	692.5	691.6	692.5	693.4	694.2	695.1	695.4	695.2	695.0
140°	722.1	721.1	720.2	719.4	720.2	721.1	722.1	722.9	723.2	722.8	722.5
142.5°	748.5	747.7	746.8	745.9	746.8	747.7	748.5	749.4	749.7	749.5	749.3
145°	787.3	786.8	786.3	785.7	786.3	786.8	787.3	787.8	788.1	788.1	788.1
147.5°	823.2	822.0	820.9	819.7	820.9	822.0	823.2	824.5	824.9	824.5	823.9
150°	846.0	845.7	845.3	845.0	845.3	845.7	846.0	846.4	846.6	846.6	846.6
152.5°	867.7	867.1	866.5	865.8	866.5	867.1	867.7	868.3	868.4	868.0	867.6
155°	898.1	897.3	896.4	895.4	896.4	897.3	898.1	899.0	899.1	898.4	897.7
157.5°	923.7	922.6	921.4	920.3	921.4	922.6	923.7	924.9	925.1	924.4	923.7
160°	940.0	939.1	938.2	937.4	938.2	939.1	940.0	940.9	940.9	940.2	939.6
162.5°	954.9	953.9	952.9	951.9	952.9	953.9	954.9	955.9	956.0	955.2	954.3
165°	974.4	973.4	972.3	971.3	972.3	973.4	974.4	975.5	975.6	975.0	974.3
167.5°	990.1	989.0	987.8	986.7	987.8	989.0	990.1	991.1	991.2	990.1	989.1
170°	998.7	997.4	996.2	995.0	996.2	997.4	998.7	999.9	1000.0	999.0	997.8
172.5°	1005.2	1004.1	1003.0	1001.9	1003.0	1004.1	1005.2	1006.3	1006.3	1005.2	1004.2
175°	1012.1	1010.9	1009.7	1008.5	1009.7	1010.9	1012.1	1013.3	1013.4	1012.4	1011.3
177.5°	1015.1	1014.2	1013.2	1012.2	1013.2	1014.2	1015.1	1016.1	1016.2	1015.3	1014.5
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333503-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A1

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°	7.2	7.0	6.6	6.9	6.3	6.3	6.0	5.9	6.0	6.1	6.2
90°	13.5	12.6	11.4	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8
92.5°	31.5	30.3	28.8	27.3	25.8	24.2	23.0	22.0	21.1	20.1	19.1
95°	62.0	60.8	59.1	57.3	55.5	53.8	52.7	52.4	52.0	51.7	51.3
97.5°	98.0	96.8	94.4	92.0	89.6	87.2	85.8	85.7	85.5	85.4	85.3
100°	122.4	120.8	118.6	116.2	114.0	111.7	110.6	110.6	110.6	110.6	110.6
102.5°	147.8	146.1	144.9	143.8	142.6	141.5	140.6	139.9	139.2	138.5	137.7
105°	189.8	188.7	187.6	186.6	185.6	184.5	183.6	182.7	181.8	181.0	180.1
107.5°	234.9	234.4	233.6	232.8	232.0	231.2	230.4	229.4	228.5	227.6	226.8
110°	265.9	265.3	264.8	264.3	263.8	263.3	262.6	261.7	260.7	259.9	259.0



TEST NUMBER: P333503-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	297.2	296.9	296.3	295.6	294.9	294.3	293.7	293.3	292.8	292.4	291.9
115°	344.9	345.1	344.8	344.4	344.1	343.7	343.2	342.4	341.7	341.0	340.3
117.5°	391.9	391.8	391.5	391.2	390.9	390.6	390.2	389.9	389.6	389.3	389.0
120°	424.0	424.0	423.8	423.7	423.5	423.3	422.8	421.9	421.1	420.2	419.3
122.5°	455.4	455.7	455.1	454.7	454.2	453.8	453.4	453.1	452.8	452.5	452.1
125°	501.9	502.2	502.0	501.9	501.7	501.5	500.9	499.9	498.8	497.8	496.7
127.5°	547.5	547.8	547.5	547.2	547.0	546.8	546.4	545.8	545.2	544.7	544.1
130°	577.8	578.0	577.6	577.3	576.9	576.6	576.0	575.1	574.3	573.4	572.5
132.5°	606.9	607.1	607.1	607.2	607.3	607.3	606.7	605.2	603.8	602.4	601.0
135°	651.5	651.5	651.3	651.2	651.0	650.8	650.2	649.1	648.0	647.0	645.9
137.5°	694.8	694.6	694.2	693.8	693.5	693.1	692.4	691.4	690.3	689.3	688.3
140°	722.2	721.8	721.2	720.7	720.1	719.6	718.9	718.1	717.2	716.3	715.5
142.5°	749.1	748.9	748.2	747.6	746.9	746.3	745.6	744.8	744.1	743.4	742.7
145°	788.1	788.1	787.6	787.0	786.5	786.0	785.4	784.7	784.0	783.3	782.5
147.5°	823.5	823.1	822.7	822.3	821.9	821.4	821.0	820.7	820.3	819.9	819.5
150°	846.6	846.6	845.9	845.2	844.4	843.7	843.4	843.6	843.8	843.9	844.1
152.5°	867.2	866.8	866.5	866.2	865.9	865.7	865.4	865.2	864.8	864.6	864.3
155°	897.0	896.3	896.1	896.0	895.8	895.5	895.4	895.4	895.4	895.4	895.4
157.5°	923.0	922.3	922.1	922.0	921.8	921.6	921.7	922.1	922.5	922.9	923.3
160°	938.9	938.2	938.0	937.8	937.6	937.5	937.6	938.2	938.7	939.2	939.7
162.5°	953.5	952.7	952.6	952.6	952.5	952.5	952.7	953.1	953.4	953.8	954.2
165°	973.6	972.9	972.7	972.5	972.3	972.2	972.3	972.6	973.0	973.3	973.7
167.5°	988.0	986.9	986.9	986.9	986.9	986.9	987.2	988.0	988.7	989.4	990.1
170°	996.8	995.7	995.7	995.7	995.7	995.7	996.1	996.8	997.5	998.3	999.0
172.5°	1003.1	1002.1	1002.1	1002.1	1002.1	1002.1	1002.4	1003.1	1003.8	1004.5	1005.2
175°	1010.3	1009.2	1009.2	1009.2	1009.2	1009.2	1009.6	1010.3	1011.0	1011.7	1012.4
177.5°	1013.7	1012.8	1013.0	1013.1	1013.3	1013.4	1013.7	1014.3	1014.9	1015.4	1016.0
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



TEST NUMBER: P333503-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A1

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°	6.3	6.0	5.3	5.8	6.1	6.1	6.4	6.4	6.5	6.7	6.8
90°	2.2	3.6	5.0	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.3
92.5°	20.1	21.1	22.0	23.0	24.2	25.8	27.3	28.8	30.3	31.5	32.6
95°	51.7	52.0	52.4	52.7	53.8	55.5	57.3	59.1	60.8	62.0	63.2
97.5°	85.4	85.5	85.7	85.8	87.2	89.6	92.0	94.4	96.8	98.0	99.2
100°	110.6	110.6	110.6	110.6	111.7	114.0	116.2	118.6	120.8	122.4	124.0
102.5°	138.5	139.2	139.9	140.6	141.5	142.6	143.8	144.9	146.1	147.8	149.6
105°	181.0	181.8	182.7	183.6	184.5	185.6	186.6	187.6	188.7	189.8	190.9
107.5°	227.6	228.5	229.4	230.4	231.2	232.0	232.8	233.6	234.4	234.9	235.4
110°	259.9	260.7	261.7	262.6	263.3	263.8	264.3	264.8	265.3	265.9	266.4



TEST NUMBER: P333503-840

CATALOG NUMBER: S125RDIP-S375D810U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	292.4	292.8	293.3	293.7	294.3	294.9	295.6	296.3	296.9	297.2	297.4
115°	341.0	341.7	342.4	343.2	343.7	344.1	344.4	344.8	345.1	344.9	344.8
117.5°	389.3	389.6	389.9	390.2	390.6	390.9	391.2	391.5	391.8	391.9	392.1
120°	420.2	421.1	421.9	422.8	423.3	423.5	423.7	423.8	424.0	424.0	424.0
122.5°	452.5	452.8	453.1	453.4	453.8	454.2	454.7	455.1	455.7	455.4	455.3
125°	497.8	498.8	499.9	500.9	501.5	501.7	501.9	502.0	502.2	501.9	501.5
127.5°	544.7	545.2	545.8	546.4	546.8	547.0	547.2	547.5	547.8	547.5	547.3
130°	573.4	574.3	575.1	576.0	576.6	576.9	577.3	577.6	578.0	577.8	577.6
132.5°	602.4	603.8	605.2	606.7	607.3	607.3	607.2	607.1	607.1	606.9	606.7
135°	647.0	648.0	649.1	650.2	650.8	651.0	651.2	651.3	651.5	651.5	651.5
137.5°	689.3	690.3	691.4	692.4	693.1	693.5	693.8	694.2	694.6	694.8	695.0
140°	716.3	717.2	718.1	718.9	719.6	720.1	720.7	721.2	721.8	722.2	722.5
142.5°	743.4	744.1	744.8	745.6	746.3	746.9	747.6	748.2	748.9	749.1	749.3
145°	783.3	784.0	784.7	785.4	786.0	786.5	787.0	787.6	788.1	788.1	788.1
147.5°	819.9	820.3	820.7	821.0	821.4	821.9	822.3	822.7	823.1	823.5	823.9
150°	843.9	843.8	843.6	843.4	843.7	844.4	845.2	845.9	846.6	846.6	846.6
152.5°	864.6	864.8	865.2	865.4	865.7	865.9	866.2	866.5	866.8	867.2	867.6
155°	895.4	895.4	895.4	895.4	895.5	895.8	896.0	896.1	896.3	897.0	897.7
157.5°	922.9	922.5	922.1	921.7	921.6	921.8	922.0	922.1	922.3	923.0	923.7
160°	939.2	938.7	938.2	937.6	937.5	937.6	937.8	938.0	938.2	938.9	939.6
162.5°	953.8	953.4	953.1	952.7	952.5	952.5	952.6	952.6	952.7	953.5	954.3
165°	973.3	973.0	972.6	972.3	972.2	972.3	972.5	972.7	972.9	973.6	974.3
167.5°	989.4	988.7	988.0	987.2	986.9	986.9	986.9	986.9	986.9	988.0	989.1
170°	998.3	997.5	996.8	996.1	995.7	995.7	995.7	995.7	995.7	996.8	997.8
172.5°	1004.5	1003.8	1003.1	1002.4	1002.1	1002.1	1002.1	1002.1	1002.1	1003.1	1004.2
175°	1011.7	1011.0	1010.3	1009.6	1009.2	1009.2	1009.2	1009.2	1009.2	1010.3	1011.3
177.5°	1015.4	1014.9	1014.3	1013.7	1013.4	1013.3	1013.1	1013.0	1012.8	1013.7	1014.5
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7



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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°	7.2	7.5	7.3	7.2	7.3	7.6	7.9
90°	15.2	16.2	16.9	17.4	17.9	18.4	19.0
92.5°	33.8	34.9	35.7	36.2	36.5	36.9	37.3
95°	64.5	65.7	66.6	66.9	67.3	67.6	67.9
97.5°	100.3	101.5	102.1	102.3	102.5	102.8	103.0
100°	125.5	127.1	128.2	128.5	128.8	129.2	129.5
102.5°	151.3	153.0	154.1	154.6	155.0	155.5	156.0
105°	191.9	193.0	193.7	194.3	194.8	195.3	195.8
107.5°	235.9	236.5	236.7	236.7	236.6	236.6	236.6
110°	266.9	267.4	267.6	267.4	267.2	267.1	266.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	297.6	297.9	297.9	297.5	297.2	296.9	296.6
115°	344.6	344.4	344.2	344.1	343.9	343.7	343.6
117.5°	392.2	392.4	392.1	391.4	390.7	390.0	389.3
120°	424.0	424.0	423.7	423.0	422.3	421.6	420.9
122.5°	455.2	455.0	454.7	454.1	453.6	453.0	452.5
125°	501.2	500.8	500.6	500.4	500.2	500.1	499.9
127.5°	547.1	547.0	546.7	546.4	546.0	545.7	545.3
130°	577.5	577.3	577.0	576.7	576.3	576.0	575.6
132.5°	606.5	606.4	606.0	605.6	605.1	604.6	604.1
135°	651.5	651.5	651.2	650.5	649.7	649.0	648.3
137.5°	695.2	695.4	695.1	694.2	693.4	692.5	691.6
140°	722.8	723.2	722.9	722.1	721.1	720.2	719.4
142.5°	749.5	749.7	749.4	748.5	747.7	746.8	745.9
145°	788.1	788.1	787.8	787.3	786.8	786.3	785.7
147.5°	824.5	824.9	824.5	823.2	822.0	820.9	819.7
150°	846.6	846.6	846.4	846.0	845.7	845.3	845.0
152.5°	868.0	868.4	868.3	867.7	867.1	866.5	865.8
155°	898.4	899.1	899.0	898.1	897.3	896.4	895.4
157.5°	924.4	925.1	924.9	923.7	922.6	921.4	920.3
160°	940.2	940.9	940.9	940.0	939.1	938.2	937.4
162.5°	955.2	956.0	955.9	954.9	953.9	952.9	951.9
165°	975.0	975.6	975.5	974.4	973.4	972.3	971.3
167.5°	990.1	991.2	991.1	990.1	989.0	987.8	986.7
170°	999.0	1000.0	999.9	998.7	997.4	996.2	995.0
172.5°	1005.2	1006.3	1006.3	1005.2	1004.1	1003.0	1001.9
175°	1012.4	1013.4	1013.3	1012.1	1010.9	1009.7	1008.5
177.5°	1015.3	1016.2	1016.1	1015.1	1014.2	1013.2	1012.2
180°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7

(END OF REPORT)