

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: P333341

Luminaire Tested: **S125DIW-S375D470U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333341
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: S125DIW-S375D470U835-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3162.7 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

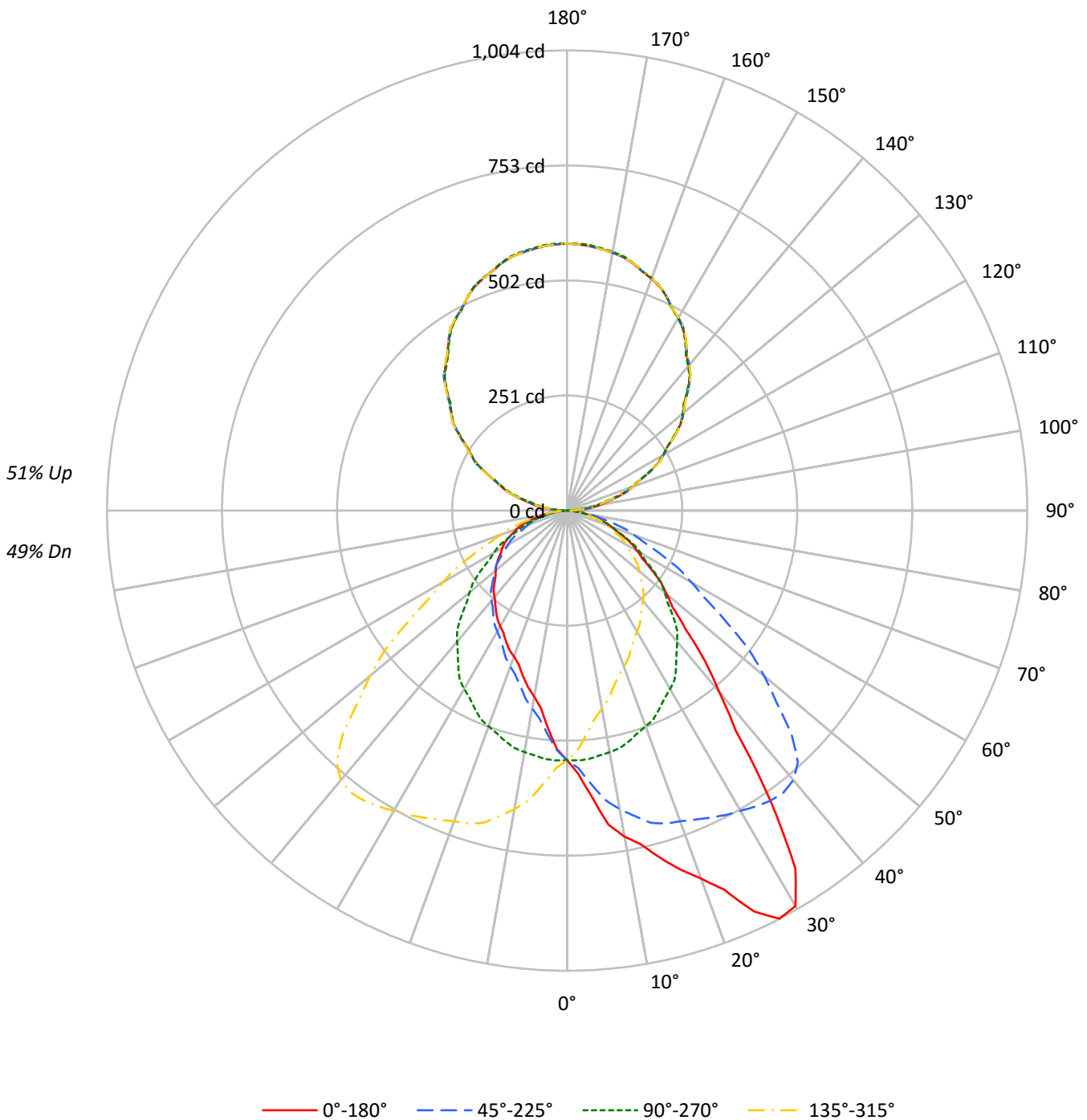
Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49					49			
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41					41			
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35					35			
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30					30			
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26					26			
5	68	57	49	43	63	53	46	40	45	40	35	38	34	30	31	28	26	22					22			
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20					20			
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	17					17			
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16					16			
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14					14			
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13					13			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3516	3516	3516	3516
5°	4071	3528	3089	3528
10°	4737	3510	2706	3510
15°	5243	3484	2497	3484
20°	5869	3443	2328	3443
25°	6876	3397	2246	3397
30°	7427	3351	2175	3351
35°	6106	3266	2128	3266
40°	4340	3148	2076	3148
45°	3335	2988	2047	2988
50°	2846	2790	2043	2790
55°	2535	2597	2061	2597
60°	2286	2384	2113	2384
65°	2112	2172	2168	2172
70°	1920	1951	2200	1951
75°	1694	1719	2178	1719
80°	1428	1402	1993	1402
85°	1134	1008	1608	1008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	1.7
10°-20°	156.0	4.9
20°-30°	253.4	8.0
30°-40°	309.1	9.8
40°-50°	281.2	8.9
50°-60°	224.0	7.1
60°-70°	156.0	4.9
70°-80°	83.2	2.6
80°-90°	22.3	0.7
90°-100°	39.0	1.2
100°-110°	115.2	3.6
110°-120°	195.1	6.2
120°-130°	256.8	8.1
130°-140°	287.7	9.1
140°-150°	282.0	8.9
150°-160°	236.9	7.5
160°-170°	157.4	5.0
170°-180°	55.1	1.7
0°-30°	461.8	14.6
0°-40°	770.9	24.4
0°-60°	1276.0	40.3
0°-90°	1537.5	48.6
90°-120°	349.3	11.0
90°-150°	1175.8	37.2
90°-180°	1625.0	51.4
0°-180°	3162.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	544	544	544	544	544	
5°	628	544	476	544	628	63
15°	784	521	373	521	784	224
25°	965	477	315	477	965	441
35°	774	414	270	414	774	474
45°	365	327	224	327	365	292
55°	225	231	183	231	225	203
65°	138	142	142	142	138	137
75°	68	69	87	69	68	73
85°	15	14	22	14	15	18
90°	11	0	11	0	11	7
95°	39	30	39	30	39	40
105°	112	103	112	103	112	119
115°	197	195	197	195	197	195
125°	287	285	287	285	287	256
135°	372	371	372	371	372	287
145°	451	449	451	449	451	282
155°	514	514	514	514	514	237
165°	558	559	558	559	558	157
175°	579	581	579	581	579	55
180°	582	582	582	582	582	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	575.8	575.1	574.3	572.9	574.0	570.8	569.4	566.8	563.6	562.5	561.2
5°	628.0	629.2	630.4	625.5	626.0	622.7	615.3	609.3	604.5	598.2	593.8
7.5°	690.9	688.2	687.9	684.8	679.4	675.0	667.3	657.4	647.8	636.9	627.9
10°	722.3	722.6	720.5	716.8	711.0	706.8	696.7	687.0	675.2	661.3	651.4
12.5°	746.0	747.0	744.3	739.3	736.5	727.2	719.2	707.7	693.7	682.6	667.5
15°	784.2	781.7	779.9	773.6	768.8	759.1	746.4	734.3	719.1	705.0	690.9
17.5°	821.1	823.2	819.7	814.0	798.9	787.6	770.6	754.1	735.1	716.2	699.4
20°	854.0	855.9	850.6	840.6	822.6	811.3	788.9	767.6	745.7	721.4	702.9
22.5°	895.1	893.6	886.4	871.3	855.7	834.8	810.5	784.6	757.1	729.7	705.1
25°	964.9	955.2	950.8	932.1	911.6	880.8	847.6	809.7	775.5	739.2	707.8
27.5°	1003.7	1000.6	995.7	982.7	961.1	928.2	889.0	842.8	794.6	748.8	707.6
30°	995.9	996.4	996.8	992.7	978.8	954.1	915.0	865.4	808.0	756.5	708.9
32.5°	927.1	935.5	943.6	953.1	957.0	952.2	927.8	882.9	823.9	765.4	708.2
35°	774.5	777.1	803.2	829.1	864.2	891.5	909.7	889.8	840.2	772.9	707.3
37.5°	603.9	616.4	634.5	663.7	714.4	759.8	818.2	845.0	829.0	775.4	705.7
40°	514.8	526.4	538.2	568.0	610.7	665.7	732.0	788.6	801.8	767.6	700.1
42.5°	446.1	455.2	468.3	490.7	526.4	575.1	638.5	712.5	758.0	745.1	688.5
45°	365.1	370.9	381.0	398.8	424.7	462.8	518.7	599.6	670.1	693.4	660.9
47.5°	312.5	312.5	320.4	332.6	351.3	383.7	425.1	488.4	563.7	619.4	616.8
50°	283.3	282.1	288.4	299.0	313.8	335.3	374.8	425.4	497.7	560.8	578.4
52.5°	258.1	258.3	262.1	270.0	282.4	300.7	330.2	375.9	437.6	502.4	535.5
55°	225.1	224.1	228.5	233.8	242.9	254.9	276.1	311.0	361.2	424.9	467.9
57.5°	194.7	197.3	199.0	202.7	210.2	218.3	236.2	261.8	301.6	356.3	401.7
60°	177.0	179.5	180.9	184.6	190.6	197.6	211.4	232.2	265.7	312.9	357.9
62.5°	161.1	163.1	163.6	166.9	171.8	178.5	189.4	206.9	233.4	274.6	318.7
65°	138.2	138.2	139.1	142.6	144.9	150.9	159.2	171.9	193.2	225.3	263.0
67.5°	116.1	117.2	117.0	118.5	120.6	125.3	131.2	141.7	157.5	180.9	211.1
70°	101.7	102.6	102.4	103.5	105.8	108.8	113.7	123.6	134.9	155.0	180.9
72.5°	88.7	89.1	88.5	90.0	91.4	94.0	99.5	104.8	115.3	132.3	153.6
75°	67.9	68.4	68.9	69.8	71.2	72.6	75.3	80.6	87.6	100.3	113.9
77.5°	50.9	50.0	51.2	51.0	51.8	52.9	55.3	58.1	63.8	71.9	82.4
80°	38.4	38.6	38.6	38.8	40.0	40.7	42.7	44.8	49.2	55.2	62.6
82.5°	28.0	28.6	28.2	28.7	29.6	30.1	31.3	33.0	35.5	40.3	45.6
85°	15.3	14.1	14.6	15.0	15.0	15.3	16.2	16.9	18.3	20.1	22.2
87.5°	6.6	6.9	7.0	7.0	7.1	7.0	7.7	7.6	8.0	8.5	9.1
90°	10.9	10.6	10.3	10.0	9.7	9.3	8.8	8.3	7.8	7.3	6.5
92.5°	21.4	21.2	20.9	20.7	20.5	20.1	19.4	18.7	18.1	17.4	16.5
95°	39.0	38.8	38.6	38.4	38.2	37.7	37.0	36.3	35.6	34.9	33.9
97.5°	59.1	59.0	58.9	58.7	58.6	58.2	57.6	56.9	56.2	55.6	54.2
100°	74.3	74.1	73.9	73.7	73.5	73.0	72.1	71.2	70.3	69.3	68.0
102.5°	89.6	89.3	89.0	88.7	88.4	87.8	86.8	85.8	84.8	83.8	83.2
105°	112.4	112.1	111.8	111.5	111.2	110.7	110.1	109.5	108.9	108.3	107.7
107.5°	135.8	135.8	135.8	135.9	135.9	135.7	135.4	135.1	134.8	134.5	134.1
110°	153.2	153.3	153.4	153.5	153.6	153.5	153.2	152.9	152.6	152.3	152.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	170.2	170.4	170.6	170.8	171.0	171.0	170.8	170.7	170.6	170.4	170.0
115°	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9	198.0	198.1	197.9
117.5°	223.4	223.8	224.3	224.7	225.1	225.2	225.1	225.1	225.0	224.9	224.7
120°	241.6	242.0	242.4	242.8	243.2	243.4	243.4	243.4	243.4	243.4	243.3
122.5°	259.7	260.0	260.4	260.7	261.0	261.2	261.3	261.4	261.4	261.5	261.3
125°	286.9	287.0	287.1	287.2	287.3	287.5	287.7	287.9	288.1	288.3	288.2
127.5°	313.0	313.2	313.4	313.6	313.8	314.0	314.1	314.2	314.3	314.4	314.2
130°	330.4	330.6	330.8	331.0	331.2	331.4	331.5	331.6	331.7	331.8	331.6
132.5°	346.7	347.0	347.3	347.6	347.9	348.0	348.1	348.2	348.3	348.4	348.5
135°	372.1	372.5	372.9	373.3	373.7	373.9	373.9	373.9	373.9	373.9	373.8
137.5°	396.9	397.4	398.0	398.5	399.0	399.2	399.0	398.9	398.8	398.7	398.4
140°	412.9	413.4	413.9	414.4	414.9	415.1	414.9	414.7	414.5	414.3	414.0
142.5°	428.1	428.6	429.1	429.6	430.1	430.3	430.2	430.1	430.0	429.9	429.5
145°	451.0	451.3	451.6	451.9	452.2	452.3	452.3	452.3	452.3	452.3	452.0
147.5°	470.5	471.1	471.8	472.5	473.2	473.4	473.2	472.9	472.7	472.5	472.2
150°	485.0	485.2	485.4	485.6	485.8	485.9	485.9	485.9	485.9	485.9	485.5
152.5°	496.9	497.3	497.7	498.0	498.4	498.4	498.2	498.0	497.7	497.5	497.3
155°	514.0	514.5	515.0	515.5	516.0	516.0	515.6	515.2	514.8	514.4	514.3
157.5°	528.2	528.9	529.5	530.2	530.9	531.0	530.6	530.2	529.8	529.4	529.3
160°	538.0	538.5	539.0	539.5	540.0	540.1	539.7	539.3	538.9	538.4	538.3
162.5°	546.3	546.9	547.5	548.1	548.7	548.7	548.2	547.8	547.3	546.8	546.8
165°	557.5	558.1	558.7	559.3	559.9	560.0	559.6	559.2	558.8	558.4	558.3
167.5°	566.4	567.0	567.6	568.2	568.9	568.9	568.3	567.7	567.1	566.5	566.5
170°	571.1	571.8	572.5	573.2	573.9	574.0	573.3	572.7	572.1	571.5	571.5
172.5°	575.1	575.7	576.3	576.9	577.6	577.6	577.0	576.4	575.8	575.2	575.2
175°	578.8	579.5	580.2	580.9	581.6	581.7	581.1	580.4	579.8	579.2	579.2
177.5°	581.0	581.5	582.1	582.7	583.2	583.3	582.8	582.3	581.8	581.3	581.4
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	560.1	558.8	557.3	554.7	551.6	549.9	547.4	545.7	542.4	539.6	536.6
5°	588.5	582.5	577.0	569.8	562.0	556.9	550.9	544.2	537.2	530.1	522.2
7.5°	618.0	607.3	595.8	583.4	571.2	560.0	549.3	538.9	529.1	517.2	507.2
10°	637.7	624.3	610.0	593.2	576.7	562.4	547.9	535.2	522.2	508.4	496.1
12.5°	657.5	639.7	619.4	600.9	581.2	563.9	546.8	530.5	514.3	498.9	484.6
15°	671.5	655.8	637.1	610.7	588.5	564.7	542.1	521.1	501.4	484.3	466.3
17.5°	680.7	660.4	640.3	615.1	586.0	559.4	533.7	509.6	487.5	465.8	448.5
20°	682.3	661.5	640.5	615.8	586.0	555.5	529.8	501.0	477.2	454.7	433.5
22.5°	681.8	658.2	635.3	609.9	580.8	552.7	521.7	492.3	466.4	444.4	422.2
25°	676.6	651.4	622.7	597.1	568.4	538.6	507.2	476.7	450.4	425.2	403.2
27.5°	672.2	639.6	607.1	577.2	549.5	522.2	492.1	460.9	431.7	406.2	385.5
30°	666.9	631.0	594.5	563.3	534.9	508.4	479.9	449.4	418.9	394.0	371.8
32.5°	662.1	620.3	581.8	547.8	517.7	491.9	465.7	436.7	406.7	381.4	359.2
35°	652.8	604.5	560.3	522.0	489.9	463.3	441.3	414.3	386.8	362.3	341.1
37.5°	641.0	583.7	536.3	496.1	460.9	432.9	412.5	391.7	365.3	341.7	322.5
40°	631.7	568.9	518.7	477.6	441.1	412.0	393.0	373.4	351.5	329.5	309.2
42.5°	620.1	555.6	501.0	456.7	420.6	392.2	372.3	355.7	336.3	315.8	297.0
45°	598.7	531.5	472.3	424.7	388.2	360.2	339.7	327.2	312.6	293.2	277.3
47.5°	567.2	502.5	441.3	392.2	354.5	328.6	309.3	297.3	287.1	272.7	258.2
50°	539.3	480.9	418.9	370.2	332.5	306.4	288.6	277.7	269.0	257.9	245.6
52.5°	508.1	453.7	396.9	348.7	311.4	285.7	268.3	258.7	251.4	243.5	231.4
55°	458.4	412.2	359.5	313.8	279.4	254.2	238.9	230.6	224.6	218.6	211.2
57.5°	403.8	367.6	321.0	279.1	247.4	224.5	210.3	202.2	197.5	194.4	190.1
60°	365.3	334.4	294.2	256.0	225.1	204.7	190.9	184.6	180.7	178.2	174.9
62.5°	329.6	304.2	267.0	232.2	205.1	185.9	173.5	167.4	163.7	162.4	159.8
65°	277.1	257.4	226.7	197.8	174.7	158.3	147.9	142.1	139.8	138.4	138.6
67.5°	225.2	213.3	188.6	164.0	145.5	131.8	123.4	119.0	117.8	116.0	116.0
70°	193.6	184.6	163.8	142.3	125.9	115.3	107.9	103.3	102.1	101.2	101.0
72.5°	165.7	157.8	139.8	122.6	107.8	98.5	92.4	89.6	87.7	87.2	87.1
75°	124.5	120.2	105.8	92.2	82.0	75.6	71.4	68.9	67.5	67.2	67.5
77.5°	88.5	84.7	75.6	65.9	59.5	54.6	51.1	50.2	48.7	48.7	48.5
80°	66.5	64.0	58.2	50.6	45.3	41.1	39.3	37.7	37.2	36.5	37.2
82.5°	48.2	45.5	41.6	36.7	32.3	29.9	28.0	27.5	27.2	26.9	27.0
85°	23.8	24.0	21.7	18.0	16.2	14.8	13.6	13.6	13.4	13.2	13.4
87.5°	9.3	8.8	7.9	7.2	6.1	5.4	5.1	5.1	4.7	4.7	5.0
90°	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	15.7	14.8	13.9	13.2	12.7	12.1	11.5	11.0	11.5	12.1	12.7
95°	32.9	31.9	30.9	30.3	30.1	29.9	29.7	29.5	29.7	29.9	30.1
97.5°	52.8	51.4	50.0	49.3	49.2	49.1	49.0	48.9	49.0	49.1	49.2
100°	66.7	65.4	64.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
102.5°	82.5	81.9	81.2	80.7	80.3	79.9	79.4	79.0	79.4	79.9	80.3
105°	107.1	106.5	105.9	105.4	104.8	104.3	103.8	103.3	103.8	104.3	104.8
107.5°	133.6	133.1	132.7	132.2	131.7	131.2	130.7	130.2	130.7	131.2	131.7
110°	151.7	151.4	151.1	150.7	150.2	149.7	149.2	148.7	149.2	149.7	150.2



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.7	169.3	168.9	168.6	168.3	168.0	167.8	167.5	167.8	168.0	168.3
115°	197.7	197.5	197.3	197.0	196.6	196.2	195.7	195.3	195.7	196.2	196.6
117.5°	224.5	224.4	224.2	224.0	223.8	223.6	223.4	223.3	223.4	223.6	223.8
120°	243.2	243.1	243.0	242.7	242.2	241.7	241.2	240.7	241.2	241.7	242.2
122.5°	261.0	260.7	260.5	260.2	260.1	259.9	259.7	259.5	259.7	259.9	260.1
125°	288.1	288.0	287.9	287.5	286.9	286.3	285.7	285.1	285.7	286.3	286.9
127.5°	314.1	314.0	313.9	313.7	313.3	313.0	312.6	312.3	312.6	313.0	313.3
130°	331.4	331.2	331.0	330.6	330.1	329.6	329.1	328.6	329.1	329.6	330.1
132.5°	348.5	348.6	348.6	348.2	347.4	346.6	345.7	344.9	345.7	346.6	347.4
135°	373.7	373.6	373.5	373.2	372.6	372.0	371.4	370.7	371.4	372.0	372.6
137.5°	398.2	398.0	397.8	397.4	396.8	396.2	395.6	395.0	395.6	396.2	396.8
140°	413.7	413.4	413.1	412.6	412.1	411.6	411.1	410.6	411.1	411.6	412.1
142.5°	429.1	428.7	428.3	427.9	427.5	427.1	426.6	426.2	426.6	427.1	427.5
145°	451.7	451.4	451.1	450.8	450.4	450.0	449.6	449.2	449.6	450.0	450.4
147.5°	472.0	471.7	471.5	471.3	471.0	470.8	470.6	470.4	470.6	470.8	471.0
150°	485.1	484.7	484.3	484.1	484.2	484.3	484.4	484.5	484.4	484.3	484.2
152.5°	497.2	497.0	496.8	496.7	496.5	496.4	496.3	496.1	496.3	496.4	496.5
155°	514.2	514.1	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0
157.5°	529.2	529.1	529.0	529.0	529.3	529.5	529.7	529.9	529.7	529.5	529.3
160°	538.2	538.1	538.0	538.1	538.4	538.7	539.1	539.4	539.1	538.7	538.4
162.5°	546.7	546.7	546.7	546.8	547.0	547.3	547.5	547.7	547.5	547.3	547.0
165°	558.2	558.1	558.0	558.0	558.2	558.4	558.6	558.8	558.6	558.4	558.2
167.5°	566.5	566.5	566.5	566.7	567.1	567.5	567.9	568.3	567.9	567.5	567.1
170°	571.5	571.5	571.5	571.7	572.1	572.5	572.9	573.3	572.9	572.5	572.1
172.5°	575.2	575.2	575.2	575.4	575.8	576.2	576.6	577.0	576.6	576.2	575.8
175°	579.2	579.2	579.2	579.4	579.8	580.2	580.6	581.1	580.6	580.2	579.8
177.5°	581.5	581.6	581.6	581.8	582.2	582.5	582.8	583.1	582.8	582.5	582.2
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	535.0	532.9	531.3	527.6	525.5	522.8	520.6	523.0	520.4	521.5	519.8
5°	518.3	511.8	507.2	500.5	494.7	489.4	485.5	484.8	482.9	482.0	479.2
7.5°	498.2	490.1	482.2	473.4	466.0	458.5	453.7	449.7	447.1	443.6	441.2
10°	486.4	475.5	466.3	455.7	446.4	438.3	431.9	428.6	425.6	421.2	419.6
12.5°	471.8	460.6	449.3	437.9	429.0	420.0	414.5	409.6	407.5	402.6	402.1
15°	454.3	437.4	426.3	414.8	402.5	395.1	390.5	385.2	382.9	379.4	376.9
17.5°	433.4	418.3	404.5	392.5	382.0	375.8	370.0	366.4	362.4	360.1	356.0
20°	418.2	403.9	390.0	377.3	369.2	362.1	357.5	354.0	349.8	348.7	344.5
22.5°	405.5	389.7	376.4	365.7	356.9	348.8	343.8	341.4	338.6	335.0	334.2
25°	384.7	368.3	357.0	346.4	338.5	331.1	327.7	324.7	321.9	319.3	318.4
27.5°	366.8	352.1	338.7	329.1	322.2	315.5	312.5	308.8	306.8	304.7	302.2
30°	354.2	339.2	327.4	318.2	310.8	304.8	301.5	299.0	297.2	295.3	293.9
32.5°	341.3	327.4	316.0	306.9	299.5	295.0	292.1	290.3	288.3	286.1	284.3
35°	324.2	308.9	297.8	290.0	284.2	280.7	277.5	275.9	273.6	273.6	271.7
37.5°	304.9	291.7	281.9	274.8	269.6	266.5	263.0	261.9	260.4	259.4	258.8
40°	293.5	281.2	272.0	264.8	259.3	256.7	253.9	252.1	251.2	250.0	249.6
42.5°	281.6	269.9	261.1	254.5	249.6	247.5	244.9	243.6	241.7	240.2	239.9
45°	263.6	252.3	244.2	238.9	234.8	232.2	230.6	227.8	226.9	225.1	224.8
47.5°	246.6	235.7	227.8	223.4	219.8	217.7	215.2	212.4	211.3	210.4	210.3
50°	233.8	223.9	216.5	212.4	208.9	205.9	203.3	201.5	200.8	200.8	201.3
52.5°	220.9	212.4	206.2	201.1	197.8	194.6	192.2	191.1	190.1	191.2	192.0
55°	202.0	193.4	188.8	183.9	180.7	177.0	175.8	175.4	174.7	176.5	177.5
57.5°	181.9	175.9	170.5	165.7	162.8	160.6	159.1	158.8	160.1	161.0	164.0
60°	169.1	162.2	157.4	153.7	150.2	148.8	148.3	147.9	148.8	151.3	155.3
62.5°	155.1	149.5	144.2	141.5	138.9	136.6	136.5	136.8	138.6	141.6	145.5
65°	134.5	129.6	126.2	122.9	120.8	119.5	119.9	120.8	122.9	126.9	131.2
67.5°	113.5	110.2	107.1	104.5	102.5	102.5	103.0	104.4	106.8	111.3	115.3
70°	100.1	96.4	93.8	92.7	91.0	90.1	91.5	93.8	95.9	100.1	103.5
72.5°	86.6	83.4	81.4	80.6	79.9	79.2	79.7	82.2	85.0	89.1	93.2
75°	66.5	65.4	64.0	63.1	62.4	62.9	63.3	65.6	67.9	72.3	76.9
77.5°	48.6	47.4	46.5	46.3	45.9	46.2	47.5	49.2	51.4	54.6	58.1
80°	36.7	36.3	35.8	35.6	35.6	35.8	37.7	38.8	40.9	43.9	46.7
82.5°	26.8	26.5	26.4	26.3	26.5	26.6	27.7	29.2	30.9	33.2	35.6
85°	14.1	13.6	14.3	14.6	14.1	14.8	15.3	16.2	16.9	18.0	19.2
87.5°	5.4	5.9	5.8	6.2	6.3	6.8	6.7	7.6	8.0	8.5	8.4
90°	3.7	4.4	5.1	5.8	6.5	7.3	7.8	8.3	8.8	9.3	9.7
92.5°	13.2	13.9	14.8	15.7	16.5	17.4	18.1	18.7	19.4	20.1	20.5
95°	30.3	30.9	31.9	32.9	33.9	34.9	35.6	36.3	37.0	37.7	38.2
97.5°	49.3	50.0	51.4	52.8	54.2	55.6	56.2	56.9	57.6	58.2	58.6
100°	63.5	64.1	65.4	66.7	68.0	69.3	70.3	71.2	72.1	73.0	73.5
102.5°	80.7	81.2	81.9	82.5	83.2	83.8	84.8	85.8	86.8	87.8	88.4
105°	105.4	105.9	106.5	107.1	107.7	108.3	108.9	109.5	110.1	110.7	111.2
107.5°	132.2	132.7	133.1	133.6	134.1	134.5	134.8	135.1	135.4	135.7	135.9
110°	150.7	151.1	151.4	151.7	152.0	152.3	152.6	152.9	153.2	153.5	153.6



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	168.6	168.9	169.3	169.7	170.0	170.4	170.6	170.7	170.8	171.0	171.0
115°	197.0	197.3	197.5	197.7	197.9	198.1	198.0	197.9	197.8	197.7	197.6
117.5°	224.0	224.2	224.4	224.5	224.7	224.9	225.0	225.1	225.1	225.2	225.1
120°	242.7	243.0	243.1	243.2	243.3	243.4	243.4	243.4	243.4	243.4	243.2
122.5°	260.2	260.5	260.7	261.0	261.3	261.5	261.4	261.4	261.3	261.2	261.0
125°	287.5	287.9	288.0	288.1	288.2	288.3	288.1	287.9	287.7	287.5	287.3
127.5°	313.7	313.9	314.0	314.1	314.2	314.4	314.3	314.2	314.1	314.0	313.8
130°	330.6	331.0	331.2	331.4	331.6	331.8	331.7	331.6	331.5	331.4	331.2
132.5°	348.2	348.6	348.6	348.5	348.5	348.4	348.3	348.2	348.1	348.0	347.9
135°	373.2	373.5	373.6	373.7	373.8	373.9	373.9	373.9	373.9	373.9	373.7
137.5°	397.4	397.8	398.0	398.2	398.4	398.7	398.8	398.9	399.0	399.2	399.0
140°	412.6	413.1	413.4	413.7	414.0	414.3	414.5	414.7	414.9	415.1	414.9
142.5°	427.9	428.3	428.7	429.1	429.5	429.9	430.0	430.1	430.2	430.3	430.1
145°	450.8	451.1	451.4	451.7	452.0	452.3	452.3	452.3	452.3	452.3	452.2
147.5°	471.3	471.5	471.7	472.0	472.2	472.5	472.7	472.9	473.2	473.4	473.2
150°	484.1	484.3	484.7	485.1	485.5	485.9	485.9	485.9	485.9	485.9	485.8
152.5°	496.7	496.8	497.0	497.2	497.3	497.5	497.7	498.0	498.2	498.4	498.4
155°	514.0	514.0	514.1	514.2	514.3	514.4	514.8	515.2	515.6	516.0	516.0
157.5°	529.0	529.0	529.1	529.2	529.3	529.4	529.8	530.2	530.6	531.0	530.9
160°	538.1	538.0	538.1	538.2	538.3	538.4	538.9	539.3	539.7	540.1	540.0
162.5°	546.8	546.7	546.7	546.7	546.8	546.8	547.3	547.8	548.2	548.7	548.7
165°	558.0	558.0	558.1	558.2	558.3	558.4	558.8	559.2	559.6	560.0	559.9
167.5°	566.7	566.5	566.5	566.5	566.5	566.5	567.1	567.7	568.3	568.9	568.9
170°	571.7	571.5	571.5	571.5	571.5	571.5	572.1	572.7	573.3	574.0	573.9
172.5°	575.4	575.2	575.2	575.2	575.2	575.2	575.8	576.4	577.0	577.6	577.6
175°	579.4	579.2	579.2	579.2	579.2	579.2	579.8	580.4	581.1	581.7	581.6
177.5°	581.8	581.6	581.6	581.5	581.4	581.3	581.8	582.3	582.8	583.3	583.2
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	518.7	520.0	518.9	520.4	518.9	520.0	518.7	519.8	521.5	520.4	523.0
5°	478.1	476.0	477.4	476.5	477.4	476.0	478.1	479.2	482.0	482.9	484.8
7.5°	440.6	438.6	436.3	435.2	436.3	438.6	440.6	441.2	443.6	447.1	449.7
10°	417.1	414.5	414.3	412.7	414.3	414.5	417.1	419.6	421.2	425.6	428.6
12.5°	399.9	397.5	394.9	394.2	394.9	397.5	399.9	402.1	402.6	407.5	409.6
15°	375.5	373.6	372.0	373.4	372.0	373.6	375.5	376.9	379.4	382.9	385.2
17.5°	355.2	353.7	353.4	351.7	353.4	353.7	355.2	356.0	360.1	362.4	366.4
20°	342.4	341.3	341.8	338.7	341.8	341.3	342.4	344.5	348.7	349.8	354.0
22.5°	332.3	330.0	329.7	329.1	329.7	330.0	332.3	334.2	335.0	338.6	341.4
25°	316.3	315.2	314.0	315.2	314.0	315.2	316.3	318.4	319.3	321.9	324.7
27.5°	302.4	301.0	300.7	300.9	300.7	301.0	302.4	302.2	304.7	306.8	308.8
30°	293.9	291.6	291.8	291.6	291.8	291.6	293.9	293.9	295.3	297.2	299.0
32.5°	284.7	283.1	282.8	282.4	282.8	283.1	284.7	284.3	286.1	288.3	290.3
35°	271.0	271.0	269.9	269.9	269.9	271.0	271.0	271.7	273.6	273.6	275.9
37.5°	258.2	258.0	257.3	257.4	257.3	258.0	258.2	258.8	259.4	260.4	261.9
40°	248.6	248.4	247.7	246.3	247.7	248.4	248.6	249.6	250.0	251.2	252.1
42.5°	239.4	238.6	238.3	237.8	238.3	238.6	239.4	239.9	240.2	241.7	243.6
45°	224.8	224.8	224.4	224.1	224.4	224.8	224.8	224.8	225.1	226.9	227.8
47.5°	210.7	211.1	212.0	211.8	212.0	211.1	210.7	210.3	210.4	211.3	212.4
50°	202.2	202.4	203.1	203.3	203.1	202.4	202.2	201.3	200.8	200.8	201.5
52.5°	192.8	194.1	195.0	194.8	195.0	194.1	192.8	192.0	191.2	190.1	191.1
55°	179.5	181.2	182.8	183.0	182.8	181.2	179.5	177.5	176.5	174.7	175.4
57.5°	166.5	168.7	170.4	171.0	170.4	168.7	166.5	164.0	161.0	160.1	158.8
60°	157.6	160.6	162.7	163.6	162.7	160.6	157.6	155.3	151.3	148.8	147.9
62.5°	149.1	152.5	154.5	154.7	154.5	152.5	149.1	145.5	141.6	138.6	136.8
65°	135.2	138.6	140.5	141.9	140.5	138.6	135.2	131.2	126.9	122.9	120.8
67.5°	120.2	123.7	125.7	126.8	125.7	123.7	120.2	115.3	111.3	106.8	104.4
70°	109.3	112.8	115.5	116.5	115.5	112.8	109.3	103.5	100.1	95.9	93.8
72.5°	98.6	101.7	103.9	105.0	103.9	101.7	98.6	93.2	89.1	85.0	82.2
75°	79.9	84.1	86.2	87.3	86.2	84.1	79.9	76.9	72.3	67.9	65.6
77.5°	61.6	65.4	66.7	67.3	66.7	65.4	61.6	58.1	54.6	51.4	49.2
80°	49.4	51.8	53.4	53.6	53.4	51.8	49.4	46.7	43.9	40.9	38.8
82.5°	38.0	39.9	40.4	41.0	40.4	39.9	38.0	35.6	33.2	30.9	29.2
85°	20.8	21.7	22.0	21.7	22.0	21.7	20.8	19.2	18.0	16.9	16.2
87.5°	8.8	8.7	8.8	9.2	8.8	8.7	8.8	8.4	8.5	8.0	7.6
90°	10.0	10.3	10.6	10.9	10.6	10.3	10.0	9.7	9.3	8.8	8.3
92.5°	20.7	20.9	21.2	21.4	21.2	20.9	20.7	20.5	20.1	19.4	18.7
95°	38.4	38.6	38.8	39.0	38.8	38.6	38.4	38.2	37.7	37.0	36.3
97.5°	58.7	58.9	59.0	59.1	59.0	58.9	58.7	58.6	58.2	57.6	56.9
100°	73.7	73.9	74.1	74.3	74.1	73.9	73.7	73.5	73.0	72.1	71.2
102.5°	88.7	89.0	89.3	89.6	89.3	89.0	88.7	88.4	87.8	86.8	85.8
105°	111.5	111.8	112.1	112.4	112.1	111.8	111.5	111.2	110.7	110.1	109.5
107.5°	135.9	135.8	135.8	135.8	135.8	135.8	135.9	135.9	135.7	135.4	135.1
110°	153.5	153.4	153.3	153.2	153.3	153.4	153.5	153.6	153.5	153.2	152.9



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	170.8	170.6	170.4	170.2	170.4	170.6	170.8	171.0	171.0	170.8	170.7
115°	197.5	197.4	197.3	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9
117.5°	224.7	224.3	223.8	223.4	223.8	224.3	224.7	225.1	225.2	225.1	225.1
120°	242.8	242.4	242.0	241.6	242.0	242.4	242.8	243.2	243.4	243.4	243.4
122.5°	260.7	260.4	260.0	259.7	260.0	260.4	260.7	261.0	261.2	261.3	261.4
125°	287.2	287.1	287.0	286.9	287.0	287.1	287.2	287.3	287.5	287.7	287.9
127.5°	313.6	313.4	313.2	313.0	313.2	313.4	313.6	313.8	314.0	314.1	314.2
130°	331.0	330.8	330.6	330.4	330.6	330.8	331.0	331.2	331.4	331.5	331.6
132.5°	347.6	347.3	347.0	346.7	347.0	347.3	347.6	347.9	348.0	348.1	348.2
135°	373.3	372.9	372.5	372.1	372.5	372.9	373.3	373.7	373.9	373.9	373.9
137.5°	398.5	398.0	397.4	396.9	397.4	398.0	398.5	399.0	399.2	399.0	398.9
140°	414.4	413.9	413.4	412.9	413.4	413.9	414.4	414.9	415.1	414.9	414.7
142.5°	429.6	429.1	428.6	428.1	428.6	429.1	429.6	430.1	430.3	430.2	430.1
145°	451.9	451.6	451.3	451.0	451.3	451.6	451.9	452.2	452.3	452.3	452.3
147.5°	472.5	471.8	471.1	470.5	471.1	471.8	472.5	473.2	473.4	473.2	472.9
150°	485.6	485.4	485.2	485.0	485.2	485.4	485.6	485.8	485.9	485.9	485.9
152.5°	498.0	497.7	497.3	496.9	497.3	497.7	498.0	498.4	498.4	498.2	498.0
155°	515.5	515.0	514.5	514.0	514.5	515.0	515.5	516.0	516.0	515.6	515.2
157.5°	530.2	529.5	528.9	528.2	528.9	529.5	530.2	530.9	531.0	530.6	530.2
160°	539.5	539.0	538.5	538.0	538.5	539.0	539.5	540.0	540.1	539.7	539.3
162.5°	548.1	547.5	546.9	546.3	546.9	547.5	548.1	548.7	548.7	548.2	547.8
165°	559.3	558.7	558.1	557.5	558.1	558.7	559.3	559.9	560.0	559.6	559.2
167.5°	568.2	567.6	567.0	566.4	567.0	567.6	568.2	568.9	568.9	568.3	567.7
170°	573.2	572.5	571.8	571.1	571.8	572.5	573.2	573.9	574.0	573.3	572.7
172.5°	576.9	576.3	575.7	575.1	575.7	576.3	576.9	577.6	577.6	577.0	576.4
175°	580.9	580.2	579.5	578.8	579.5	580.2	580.9	581.6	581.7	581.1	580.4
177.5°	582.7	582.1	581.5	581.0	581.5	582.1	582.7	583.2	583.3	582.8	582.3
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	520.6	522.8	525.5	527.6	531.3	532.9	535.0	536.6	539.6	542.4	545.7
5°	485.5	489.4	494.7	500.5	507.2	511.8	518.3	522.2	530.1	537.2	544.2
7.5°	453.7	458.5	466.0	473.4	482.2	490.1	498.2	507.2	517.2	529.1	538.9
10°	431.9	438.3	446.4	455.7	466.3	475.5	486.4	496.1	508.4	522.2	535.2
12.5°	414.5	420.0	429.0	437.9	449.3	460.6	471.8	484.6	498.9	514.3	530.5
15°	390.5	395.1	402.5	414.8	426.3	437.4	454.3	466.3	484.3	501.4	521.1
17.5°	370.0	375.8	382.0	392.5	404.5	418.3	433.4	448.5	465.8	487.5	509.6
20°	357.5	362.1	369.2	377.3	390.0	403.9	418.2	433.5	454.7	477.2	501.0
22.5°	343.8	348.8	356.9	365.7	376.4	389.7	405.5	422.2	444.4	466.4	492.3
25°	327.7	331.1	338.5	346.4	357.0	368.3	384.7	403.2	425.2	450.4	476.7
27.5°	312.5	315.5	322.2	329.1	338.7	352.1	366.8	385.5	406.2	431.7	460.9
30°	301.5	304.8	310.8	318.2	327.4	339.2	354.2	371.8	394.0	418.9	449.4
32.5°	292.1	295.0	299.5	306.9	316.0	327.4	341.3	359.2	381.4	406.7	436.7
35°	277.5	280.7	284.2	290.0	297.8	308.9	324.2	341.1	362.3	386.8	414.3
37.5°	263.0	266.5	269.6	274.8	281.9	291.7	304.9	322.5	341.7	365.3	391.7
40°	253.9	256.7	259.3	264.8	272.0	281.2	293.5	309.2	329.5	351.5	373.4
42.5°	244.9	247.5	249.6	254.5	261.1	269.9	281.6	297.0	315.8	336.3	355.7
45°	230.6	232.2	234.8	238.9	244.2	252.3	263.6	277.3	293.2	312.6	327.2
47.5°	215.2	217.7	219.8	223.4	227.8	235.7	246.6	258.2	272.7	287.1	297.3
50°	203.3	205.9	208.9	212.4	216.5	223.9	233.8	245.6	257.9	269.0	277.7
52.5°	192.2	194.6	197.8	201.1	206.2	212.4	220.9	231.4	243.5	251.4	258.7
55°	175.8	177.0	180.7	183.9	188.8	193.4	202.0	211.2	218.6	224.6	230.6
57.5°	159.1	160.6	162.8	165.7	170.5	175.9	181.9	190.1	194.4	197.5	202.2
60°	148.3	148.8	150.2	153.7	157.4	162.2	169.1	174.9	178.2	180.7	184.6
62.5°	136.5	136.6	138.9	141.5	144.2	149.5	155.1	159.8	162.4	163.7	167.4
65°	119.9	119.5	120.8	122.9	126.2	129.6	134.5	138.6	138.4	139.8	142.1
67.5°	103.0	102.5	102.5	104.5	107.1	110.2	113.5	116.0	116.0	117.8	119.0
70°	91.5	90.1	91.0	92.7	93.8	96.4	100.1	101.0	101.2	102.1	103.3
72.5°	79.7	79.2	79.9	80.6	81.4	83.4	86.6	87.1	87.2	87.7	89.6
75°	63.3	62.9	62.4	63.1	64.0	65.4	66.5	67.5	67.2	67.5	68.9
77.5°	47.5	46.2	45.9	46.3	46.5	47.4	48.6	48.5	48.7	48.7	50.2
80°	37.7	35.8	35.6	35.6	35.8	36.3	36.7	37.2	36.5	37.2	37.7
82.5°	27.7	26.6	26.5	26.3	26.4	26.5	26.8	27.0	26.9	27.2	27.5
85°	15.3	14.8	14.1	14.6	14.3	13.6	14.1	13.4	13.2	13.4	13.6
87.5°	6.7	6.8	6.3	6.2	5.8	5.9	5.4	5.0	4.7	4.7	5.1
90°	7.8	7.3	6.5	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	18.1	17.4	16.5	15.7	14.8	13.9	13.2	12.7	12.1	11.5	11.0
95°	35.6	34.9	33.9	32.9	31.9	30.9	30.3	30.1	29.9	29.7	29.5
97.5°	56.2	55.6	54.2	52.8	51.4	50.0	49.3	49.2	49.1	49.0	48.9
100°	70.3	69.3	68.0	66.7	65.4	64.1	63.5	63.5	63.5	63.5	63.5
102.5°	84.8	83.8	83.2	82.5	81.9	81.2	80.7	80.3	79.9	79.4	79.0
105°	108.9	108.3	107.7	107.1	106.5	105.9	105.4	104.8	104.3	103.8	103.3
107.5°	134.8	134.5	134.1	133.6	133.1	132.7	132.2	131.7	131.2	130.7	130.2
110°	152.6	152.3	152.0	151.7	151.4	151.1	150.7	150.2	149.7	149.2	148.7



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	170.6	170.4	170.0	169.7	169.3	168.9	168.6	168.3	168.0	167.8	167.5
115°	198.0	198.1	197.9	197.7	197.5	197.3	197.0	196.6	196.2	195.7	195.3
117.5°	225.0	224.9	224.7	224.5	224.4	224.2	224.0	223.8	223.6	223.4	223.3
120°	243.4	243.4	243.3	243.2	243.1	243.0	242.7	242.2	241.7	241.2	240.7
122.5°	261.4	261.5	261.3	261.0	260.7	260.5	260.2	260.1	259.9	259.7	259.5
125°	288.1	288.3	288.2	288.1	288.0	287.9	287.5	286.9	286.3	285.7	285.1
127.5°	314.3	314.4	314.2	314.1	314.0	313.9	313.7	313.3	313.0	312.6	312.3
130°	331.7	331.8	331.6	331.4	331.2	331.0	330.6	330.1	329.6	329.1	328.6
132.5°	348.3	348.4	348.5	348.5	348.6	348.6	348.2	347.4	346.6	345.7	344.9
135°	373.9	373.9	373.8	373.7	373.6	373.5	373.2	372.6	372.0	371.4	370.7
137.5°	398.8	398.7	398.4	398.2	398.0	397.8	397.4	396.8	396.2	395.6	395.0
140°	414.5	414.3	414.0	413.7	413.4	413.1	412.6	412.1	411.6	411.1	410.6
142.5°	430.0	429.9	429.5	429.1	428.7	428.3	427.9	427.5	427.1	426.6	426.2
145°	452.3	452.3	452.0	451.7	451.4	451.1	450.8	450.4	450.0	449.6	449.2
147.5°	472.7	472.5	472.2	472.0	471.7	471.5	471.3	471.0	470.8	470.6	470.4
150°	485.9	485.9	485.5	485.1	484.7	484.3	484.1	484.2	484.3	484.4	484.5
152.5°	497.7	497.5	497.3	497.2	497.0	496.8	496.7	496.5	496.4	496.3	496.1
155°	514.8	514.4	514.3	514.2	514.1	514.0	514.0	514.0	514.0	514.0	514.0
157.5°	529.8	529.4	529.3	529.2	529.1	529.0	529.0	529.3	529.5	529.7	529.9
160°	538.9	538.4	538.3	538.2	538.1	538.0	538.1	538.4	538.7	539.1	539.4
162.5°	547.3	546.8	546.8	546.7	546.7	546.7	546.8	547.0	547.3	547.5	547.7
165°	558.8	558.4	558.3	558.2	558.1	558.0	558.0	558.2	558.4	558.6	558.8
167.5°	567.1	566.5	566.5	566.5	566.5	566.5	566.7	567.1	567.5	567.9	568.3
170°	572.1	571.5	571.5	571.5	571.5	571.5	571.7	572.1	572.5	572.9	573.3
172.5°	575.8	575.2	575.2	575.2	575.2	575.2	575.4	575.8	576.2	576.6	577.0
175°	579.8	579.2	579.2	579.2	579.2	579.2	579.4	579.8	580.2	580.6	581.1
177.5°	581.8	581.3	581.4	581.5	581.6	581.6	581.8	582.2	582.5	582.8	583.1
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	547.4	549.9	551.6	554.7	557.3	558.8	560.1	561.2	562.5	563.6	566.8
5°	550.9	556.9	562.0	569.8	577.0	582.5	588.5	593.8	598.2	604.5	609.3
7.5°	549.3	560.0	571.2	583.4	595.8	607.3	618.0	627.9	636.9	647.8	657.4
10°	547.9	562.4	576.7	593.2	610.0	624.3	637.7	651.4	661.3	675.2	687.0
12.5°	546.8	563.9	581.2	600.9	619.4	639.7	657.5	667.5	682.6	693.7	707.7
15°	542.1	564.7	588.5	610.7	637.1	655.8	671.5	690.9	705.0	719.1	734.3
17.5°	533.7	559.4	586.0	615.1	640.3	660.4	680.7	699.4	716.2	735.1	754.1
20°	529.8	555.5	586.0	615.8	640.5	661.5	682.3	702.9	721.4	745.7	767.6
22.5°	521.7	552.7	580.8	609.9	635.3	658.2	681.8	705.1	729.7	757.1	784.6
25°	507.2	538.6	568.4	597.1	622.7	651.4	676.6	707.8	739.2	775.5	809.7
27.5°	492.1	522.2	549.5	577.2	607.1	639.6	672.2	707.6	748.8	794.6	842.8
30°	479.9	508.4	534.9	563.3	594.5	631.0	666.9	708.9	756.5	808.0	865.4
32.5°	465.7	491.9	517.7	547.8	581.8	620.3	662.1	708.2	765.4	823.9	882.9
35°	441.3	463.3	489.9	522.0	560.3	604.5	652.8	707.3	772.9	840.2	889.8
37.5°	412.5	432.9	460.9	496.1	536.3	583.7	641.0	705.7	775.4	829.0	845.0
40°	393.0	412.0	441.1	477.6	518.7	568.9	631.7	700.1	767.6	801.8	788.6
42.5°	372.3	392.2	420.6	456.7	501.0	555.6	620.1	688.5	745.1	758.0	712.5
45°	339.7	360.2	388.2	424.7	472.3	531.5	598.7	660.9	693.4	670.1	599.6
47.5°	309.3	328.6	354.5	392.2	441.3	502.5	567.2	616.8	619.4	563.7	488.4
50°	288.6	306.4	332.5	370.2	418.9	480.9	539.3	578.4	560.8	497.7	425.4
52.5°	268.3	285.7	311.4	348.7	396.9	453.7	508.1	535.5	502.4	437.6	375.9
55°	238.9	254.2	279.4	313.8	359.5	412.2	458.4	467.9	424.9	361.2	311.0
57.5°	210.3	224.5	247.4	279.1	321.0	367.6	403.8	401.7	356.3	301.6	261.8
60°	190.9	204.7	225.1	256.0	294.2	334.4	365.3	357.9	312.9	265.7	232.2
62.5°	173.5	185.9	205.1	232.2	267.0	304.2	329.6	318.7	274.6	233.4	206.9
65°	147.9	158.3	174.7	197.8	226.7	257.4	277.1	263.0	225.3	193.2	171.9
67.5°	123.4	131.8	145.5	164.0	188.6	213.3	225.2	211.1	180.9	157.5	141.7
70°	107.9	115.3	125.9	142.3	163.8	184.6	193.6	180.9	155.0	134.9	123.6
72.5°	92.4	98.5	107.8	122.6	139.8	157.8	165.7	153.6	132.3	115.3	104.8
75°	71.4	75.6	82.0	92.2	105.8	120.2	124.5	113.9	100.3	87.6	80.6
77.5°	51.1	54.6	59.5	65.9	75.6	84.7	88.5	82.4	71.9	63.8	58.1
80°	39.3	41.1	45.3	50.6	58.2	64.0	66.5	62.6	55.2	49.2	44.8
82.5°	28.0	29.9	32.3	36.7	41.6	45.5	48.2	45.6	40.3	35.5	33.0
85°	13.6	14.8	16.2	18.0	21.7	24.0	23.8	22.2	20.1	18.3	16.9
87.5°	5.1	5.4	6.1	7.2	7.9	8.8	9.3	9.1	8.5	8.0	7.6
90°	1.3	2.1	2.9	3.7	4.4	5.1	5.8	6.5	7.3	7.8	8.3
92.5°	11.5	12.1	12.7	13.2	13.9	14.8	15.7	16.5	17.4	18.1	18.7
95°	29.7	29.9	30.1	30.3	30.9	31.9	32.9	33.9	34.9	35.6	36.3
97.5°	49.0	49.1	49.2	49.3	50.0	51.4	52.8	54.2	55.6	56.2	56.9
100°	63.5	63.5	63.5	63.5	64.1	65.4	66.7	68.0	69.3	70.3	71.2
102.5°	79.4	79.9	80.3	80.7	81.2	81.9	82.5	83.2	83.8	84.8	85.8
105°	103.8	104.3	104.8	105.4	105.9	106.5	107.1	107.7	108.3	108.9	109.5
107.5°	130.7	131.2	131.7	132.2	132.7	133.1	133.6	134.1	134.5	134.8	135.1
110°	149.2	149.7	150.2	150.7	151.1	151.4	151.7	152.0	152.3	152.6	152.9



TEST NUMBER: P333341

CATALOG NUMBER: S125DIW-S375D470U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	167.8	168.0	168.3	168.6	168.9	169.3	169.7	170.0	170.4	170.6	170.7
115°	195.7	196.2	196.6	197.0	197.3	197.5	197.7	197.9	198.1	198.0	197.9
117.5°	223.4	223.6	223.8	224.0	224.2	224.4	224.5	224.7	224.9	225.0	225.1
120°	241.2	241.7	242.2	242.7	243.0	243.1	243.2	243.3	243.4	243.4	243.4
122.5°	259.7	259.9	260.1	260.2	260.5	260.7	261.0	261.3	261.5	261.4	261.4
125°	285.7	286.3	286.9	287.5	287.9	288.0	288.1	288.2	288.3	288.1	287.9
127.5°	312.6	313.0	313.3	313.7	313.9	314.0	314.1	314.2	314.4	314.3	314.2
130°	329.1	329.6	330.1	330.6	331.0	331.2	331.4	331.6	331.8	331.7	331.6
132.5°	345.7	346.6	347.4	348.2	348.6	348.6	348.5	348.5	348.4	348.3	348.2
135°	371.4	372.0	372.6	373.2	373.5	373.6	373.7	373.8	373.9	373.9	373.9
137.5°	395.6	396.2	396.8	397.4	397.8	398.0	398.2	398.4	398.7	398.8	398.9
140°	411.1	411.6	412.1	412.6	413.1	413.4	413.7	414.0	414.3	414.5	414.7
142.5°	426.6	427.1	427.5	427.9	428.3	428.7	429.1	429.5	429.9	430.0	430.1
145°	449.6	450.0	450.4	450.8	451.1	451.4	451.7	452.0	452.3	452.3	452.3
147.5°	470.6	470.8	471.0	471.3	471.5	471.7	472.0	472.2	472.5	472.7	472.9
150°	484.4	484.3	484.2	484.1	484.3	484.7	485.1	485.5	485.9	485.9	485.9
152.5°	496.3	496.4	496.5	496.7	496.8	497.0	497.2	497.3	497.5	497.7	498.0
155°	514.0	514.0	514.0	514.0	514.0	514.1	514.2	514.3	514.4	514.8	515.2
157.5°	529.7	529.5	529.3	529.0	529.0	529.1	529.2	529.3	529.4	529.8	530.2
160°	539.1	538.7	538.4	538.1	538.0	538.1	538.2	538.3	538.4	538.9	539.3
162.5°	547.5	547.3	547.0	546.8	546.7	546.7	546.7	546.8	546.8	547.3	547.8
165°	558.6	558.4	558.2	558.0	558.0	558.1	558.2	558.3	558.4	558.8	559.2
167.5°	567.9	567.5	567.1	566.7	566.5	566.5	566.5	566.5	566.5	567.1	567.7
170°	572.9	572.5	572.1	571.7	571.5	571.5	571.5	571.5	571.5	572.1	572.7
172.5°	576.6	576.2	575.8	575.4	575.2	575.2	575.2	575.2	575.2	575.8	576.4
175°	580.6	580.2	579.8	579.4	579.2	579.2	579.2	579.2	579.2	579.8	580.4
177.5°	582.8	582.5	582.2	581.8	581.6	581.6	581.5	581.4	581.3	581.8	582.3
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	544.4	544.4	544.4	544.4	544.4	544.4	544.4
2.5°	569.4	570.8	574.0	572.9	574.3	575.1	575.8
5°	615.3	622.7	626.0	625.5	630.4	629.2	628.0
7.5°	667.3	675.0	679.4	684.8	687.9	688.2	690.9
10°	696.7	706.8	711.0	716.8	720.5	722.6	722.3
12.5°	719.2	727.2	736.5	739.3	744.3	747.0	746.0
15°	746.4	759.1	768.8	773.6	779.9	781.7	784.2
17.5°	770.6	787.6	798.9	814.0	819.7	823.2	821.1
20°	788.9	811.3	822.6	840.6	850.6	855.9	854.0
22.5°	810.5	834.8	855.7	871.3	886.4	893.6	895.1
25°	847.6	880.8	911.6	932.1	950.8	955.2	964.9
27.5°	889.0	928.2	961.1	982.7	995.7	1000.6	1003.7
30°	915.0	954.1	978.8	992.7	996.8	996.4	995.9
32.5°	927.8	952.2	957.0	953.1	943.6	935.5	927.1
35°	909.7	891.5	864.2	829.1	803.2	777.1	774.5
37.5°	818.2	759.8	714.4	663.7	634.5	616.4	603.9
40°	732.0	665.7	610.7	568.0	538.2	526.4	514.8
42.5°	638.5	575.1	526.4	490.7	468.3	455.2	446.1
45°	518.7	462.8	424.7	398.8	381.0	370.9	365.1
47.5°	425.1	383.7	351.3	332.6	320.4	312.5	312.5
50°	374.8	335.3	313.8	299.0	288.4	282.1	283.3
52.5°	330.2	300.7	282.4	270.0	262.1	258.3	258.1
55°	276.1	254.9	242.9	233.8	228.5	224.1	225.1
57.5°	236.2	218.3	210.2	202.7	199.0	197.3	194.7
60°	211.4	197.6	190.6	184.6	180.9	179.5	177.0
62.5°	189.4	178.5	171.8	166.9	163.6	163.1	161.1
65°	159.2	150.9	144.9	142.6	139.1	138.2	138.2
67.5°	131.2	125.3	120.6	118.5	117.0	117.2	116.1
70°	113.7	108.8	105.8	103.5	102.4	102.6	101.7
72.5°	99.5	94.0	91.4	90.0	88.5	89.1	88.7
75°	75.3	72.6	71.2	69.8	68.9	68.4	67.9
77.5°	55.3	52.9	51.8	51.0	51.2	50.0	50.9
80°	42.7	40.7	40.0	38.8	38.6	38.6	38.4
82.5°	31.3	30.1	29.6	28.7	28.2	28.6	28.0
85°	16.2	15.3	15.0	15.0	14.6	14.1	15.3
87.5°	7.7	7.0	7.1	7.0	7.0	6.9	6.6
90°	8.8	9.3	9.7	10.0	10.3	10.6	10.9
92.5°	19.4	20.1	20.5	20.7	20.9	21.2	21.4
95°	37.0	37.7	38.2	38.4	38.6	38.8	39.0
97.5°	57.6	58.2	58.6	58.7	58.9	59.0	59.1
100°	72.1	73.0	73.5	73.7	73.9	74.1	74.3
102.5°	86.8	87.8	88.4	88.7	89.0	89.3	89.6
105°	110.1	110.7	111.2	111.5	111.8	112.1	112.4
107.5°	135.4	135.7	135.9	135.9	135.8	135.8	135.8
110°	153.2	153.5	153.6	153.5	153.4	153.3	153.2



TEST NUMBER: P333341

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	170.8	171.0	171.0	170.8	170.6	170.4	170.2
115°	197.8	197.7	197.6	197.5	197.4	197.3	197.2
117.5°	225.1	225.2	225.1	224.7	224.3	223.8	223.4
120°	243.4	243.4	243.2	242.8	242.4	242.0	241.6
122.5°	261.3	261.2	261.0	260.7	260.4	260.0	259.7
125°	287.7	287.5	287.3	287.2	287.1	287.0	286.9
127.5°	314.1	314.0	313.8	313.6	313.4	313.2	313.0
130°	331.5	331.4	331.2	331.0	330.8	330.6	330.4
132.5°	348.1	348.0	347.9	347.6	347.3	347.0	346.7
135°	373.9	373.9	373.7	373.3	372.9	372.5	372.1
137.5°	399.0	399.2	399.0	398.5	398.0	397.4	396.9
140°	414.9	415.1	414.9	414.4	413.9	413.4	412.9
142.5°	430.2	430.3	430.1	429.6	429.1	428.6	428.1
145°	452.3	452.3	452.2	451.9	451.6	451.3	451.0
147.5°	473.2	473.4	473.2	472.5	471.8	471.1	470.5
150°	485.9	485.9	485.8	485.6	485.4	485.2	485.0
152.5°	498.2	498.4	498.4	498.0	497.7	497.3	496.9
155°	515.6	516.0	516.0	515.5	515.0	514.5	514.0
157.5°	530.6	531.0	530.9	530.2	529.5	528.9	528.2
160°	539.7	540.1	540.0	539.5	539.0	538.5	538.0
162.5°	548.2	548.7	548.7	548.1	547.5	546.9	546.3
165°	559.6	560.0	559.9	559.3	558.7	558.1	557.5
167.5°	568.3	568.9	568.9	568.2	567.6	567.0	566.4
170°	573.3	574.0	573.9	573.2	572.5	571.8	571.1
172.5°	577.0	577.6	577.6	576.9	576.3	575.7	575.1
175°	581.1	581.7	581.6	580.9	580.2	579.5	578.8
177.5°	582.8	583.3	583.2	582.7	582.1	581.5	581.0
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4

(END OF REPORT)