

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: P333340

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333340  
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: S125DIW-S375D470U835-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 470 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3411.5 lumens  
Efficiency: N/A  
Efficacy: 148.3 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

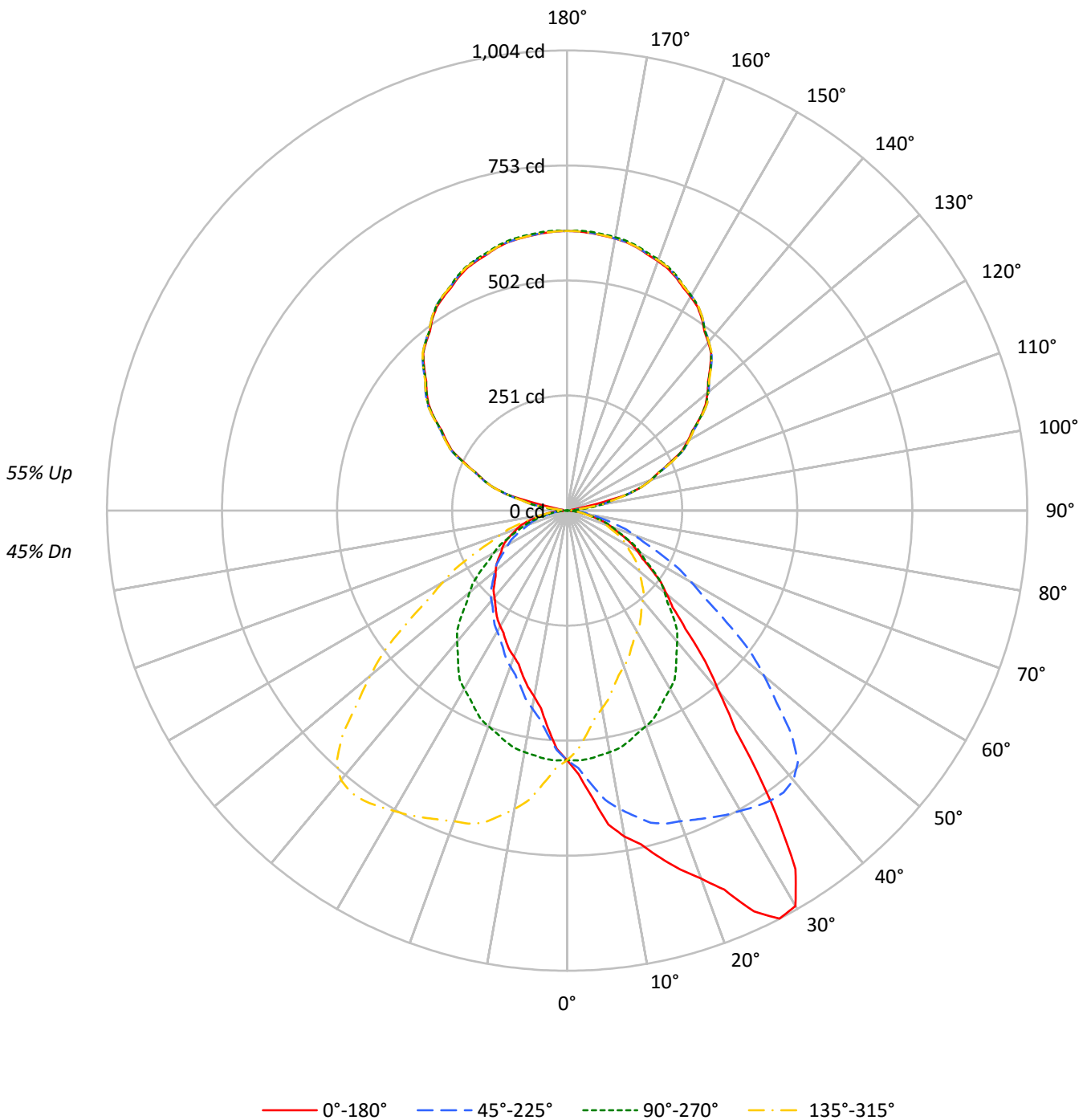
Input Watts (W): 23  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	65	65	65	52	52	52	45
1	97	93	89	85	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	88	81	75	70	81	75	69	65	62	59	55	51	48	46	41	39	37	32
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28
4	74	63	56	50	67	58	52	46	49	44	40	40	37	34	32	30	28	24
5	68	56	48	43	62	52	45	40	44	39	34	36	32	29	29	26	24	21
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	26	24	21	18
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19	16
8	54	41	34	28	49	38	32	27	33	27	23	27	23	20	22	19	17	14
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13
10	46	35	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12

**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	1.5
10°-20°	156.0	4.6
20°-30°	253.4	7.4
30°-40°	309.1	9.1
40°-50°	281.2	8.2
50°-60°	224.0	6.6
60°-70°	156.0	4.6
70°-80°	83.2	2.4
80°-90°	22.3	0.7
90°-100°	22.2	0.7
100°-110°	136.7	4.0
110°-120°	247.9	7.3
120°-130°	318.1	9.3
130°-140°	342.2	10.0
140°-150°	321.2	9.4
150°-160°	259.8	7.6
160°-170°	168.0	4.9
170°-180°	58.0	1.7
0°-30°	461.8	13.5
0°-40°	770.9	22.6
0°-60°	1276.0	37.4
0°-90°	1537.5	45.1
90°-120°	406.7	11.9
90°-150°	1388.2	40.7
90°-180°	1874.0	54.9
0°-180°	3411.5	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	5
95°	10	26	10	26	10	8
105°	134	133	134	133	134	121
115°	248	250	248	250	248	246
125°	355	355	355	355	355	316
135°	441	443	441	443	441	340
145°	512	514	512	514	512	320
155°	561	566	561	566	561	259
165°	594	597	594	597	594	168
175°	608	610	608	610	608	58
180°	610	610	610	610	610	



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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	9.2	8.7	8.2	7.7	7.2	6.5
92.5°	10.1	10.0	9.9	9.7	9.6	9.2	8.7	8.2	7.7	7.2	6.6
95°	9.5	9.5	9.5	9.5	9.5	9.2	8.7	8.2	7.7	7.2	11.1
97.5°	9.5	9.5	9.5	9.5	9.5	10.9	13.8	16.6	19.4	22.3	29.8
100°	9.5	9.9	10.3	10.7	11.1	18.8	33.8	48.8	63.7	78.7	78.3
102.5°	56.9	63.7	70.6	77.4	84.3	89.1	91.9	94.8	97.6	100.4	100.2
105°	134.4	134.5	134.6	134.7	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.4	169.7	170.0	170.3	170.6	170.7	170.7	170.7	170.7	170.6	170.4
110°	193.6	193.5	193.4	193.3	193.2	193.3	193.6	193.9	194.2	194.5	194.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	215.3	215.5	215.6	215.8	215.9	216.2	216.5	216.9	217.3	217.7	217.6
115°	247.9	248.5	249.1	249.7	250.3	250.8	251.2	251.6	252.0	252.4	252.3
117.5°	282.7	282.9	283.2	283.4	283.7	284.1	284.6	285.1	285.7	286.2	285.8
120°	304.0	304.5	305.0	305.5	306.0	306.4	306.6	306.8	307.0	307.2	306.9
122.5°	324.3	324.9	325.4	326.0	326.6	327.0	327.2	327.4	327.6	327.8	327.7
125°	355.1	355.4	355.7	356.0	356.3	356.7	357.1	357.5	357.9	358.3	358.3
127.5°	381.1	381.8	382.6	383.3	384.1	384.6	384.8	385.0	385.2	385.4	385.5
130°	399.9	400.4	400.9	401.4	401.9	402.3	402.6	402.9	403.2	403.5	403.4
132.5°	417.3	417.8	418.3	418.8	419.3	419.6	419.6	419.7	419.8	419.8	420.0
135°	441.1	441.7	442.3	442.9	443.5	443.9	444.1	444.3	444.5	444.7	444.9
137.5°	465.0	465.5	466.0	466.5	467.1	467.3	467.3	467.2	467.2	467.1	467.3
140°	479.1	479.7	480.3	480.9	481.5	481.7	481.5	481.3	481.1	480.9	481.0
142.5°	492.5	493.1	493.7	494.3	494.9	495.2	495.1	495.1	495.0	495.0	494.9
145°	512.1	512.7	513.3	513.9	514.5	514.8	514.7	514.6	514.5	514.4	514.4
147.5°	528.3	529.0	529.8	530.5	531.2	531.5	531.4	531.3	531.1	531.0	530.9
150°	538.8	539.6	540.4	541.2	542.0	542.3	542.1	541.9	541.7	541.5	541.3
152.5°	548.6	549.3	550.0	550.7	551.5	551.7	551.5	551.3	551.1	550.9	550.7
155°	561.4	562.2	563.0	563.8	564.6	564.9	564.6	564.3	564.0	563.7	563.5
157.5°	572.2	573.0	573.8	574.6	575.4	575.6	575.3	575.0	574.7	574.4	574.3
160°	579.1	579.9	580.7	581.5	582.3	582.5	582.1	581.7	581.3	580.9	580.8
162.5°	585.2	586.1	587.0	587.9	588.8	588.9	588.4	587.8	587.2	586.7	586.6
165°	593.5	594.3	595.1	596.0	596.8	596.9	596.3	595.7	595.0	594.4	594.3
167.5°	599.3	600.2	601.1	602.0	603.0	603.0	602.3	601.6	600.9	600.1	600.0
170°	602.6	603.5	604.4	605.3	606.2	606.3	605.5	604.6	603.8	603.0	602.9
172.5°	604.8	605.7	606.6	607.5	608.4	608.5	607.7	607.0	606.3	605.6	605.4
175°	607.6	608.5	609.4	610.3	611.2	611.2	610.4	609.6	608.8	608.0	607.9
177.5°	609.2	609.8	610.5	611.1	611.8	611.8	611.2	610.7	610.1	609.6	609.5
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



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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°	6.0	5.4	4.7	4.7	5.3	5.8	6.4	7.0	6.4	5.8	5.3
95°	14.9	18.7	22.5	24.6	24.9	25.2	25.5	25.8	25.5	25.2	24.9
97.5°	37.4	44.9	52.5	56.0	55.5	54.9	54.4	53.8	54.4	54.9	55.5
100°	77.9	77.5	77.1	76.8	76.5	76.2	75.9	75.5	75.9	76.2	76.5
102.5°	99.9	99.7	99.5	99.2	98.8	98.4	98.0	97.6	98.0	98.4	98.8
105°	134.8	134.8	134.8	134.6	134.2	133.8	133.4	133.0	133.4	133.8	134.2
107.5°	170.2	170.0	169.8	169.7	169.7	169.7	169.7	169.7	169.7	169.7	169.7
110°	194.1	193.9	193.7	193.6	193.6	193.6	193.6	193.6	193.6	193.6	193.6





TEST NUMBER: P333340

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

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	217.5	217.3	217.2	217.0	216.8	216.5	216.3	216.1	216.3	216.5	216.8
115°	252.2	252.1	252.0	251.7	251.2	250.7	250.2	249.7	250.2	250.7	251.2
117.5°	285.4	285.0	284.7	284.5	284.5	284.5	284.5	284.6	284.5	284.5	284.5
120°	306.6	306.3	306.0	305.9	306.0	306.1	306.2	306.3	306.2	306.1	306.0
122.5°	327.5	327.4	327.2	327.0	326.6	326.2	325.8	325.5	325.8	326.2	326.6
125°	358.3	358.3	358.3	357.9	357.2	356.5	355.8	355.1	355.8	356.5	357.2
127.5°	385.6	385.6	385.7	385.5	385.0	384.5	384.0	383.4	384.0	384.5	385.0
130°	403.3	403.2	403.1	402.8	402.3	401.8	401.3	400.8	401.3	401.8	402.3
132.5°	420.3	420.5	420.7	420.5	419.9	419.4	418.8	418.2	418.8	419.4	419.9
135°	445.1	445.3	445.5	445.3	444.7	444.1	443.5	442.9	443.5	444.1	444.7
137.5°	467.5	467.7	467.9	467.7	467.2	466.6	466.1	465.6	466.1	466.6	467.2
140°	481.1	481.2	481.3	481.2	481.0	480.8	480.6	480.4	480.6	480.8	481.0
142.5°	494.7	494.6	494.4	494.3	494.2	494.1	494.0	493.8	494.0	494.1	494.2
145°	514.4	514.4	514.4	514.3	514.1	513.9	513.7	513.5	513.7	513.9	514.1
147.5°	530.8	530.7	530.5	530.5	530.5	530.6	530.6	530.7	530.6	530.6	530.5
150°	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5	541.3	541.1	540.9
152.5°	550.5	550.3	550.1	550.2	550.7	551.1	551.6	552.0	551.6	551.1	550.7
155°	563.3	563.1	562.9	563.1	563.7	564.3	564.9	565.5	564.9	564.3	563.7
157.5°	574.3	574.3	574.3	574.4	574.8	575.2	575.5	575.9	575.5	575.2	574.8
160°	580.7	580.6	580.5	580.7	581.3	581.9	582.5	583.1	582.5	581.9	581.3
162.5°	586.5	586.4	586.3	586.5	587.1	587.7	588.3	588.9	588.3	587.7	587.1
165°	594.2	594.1	594.0	594.3	594.9	595.5	596.1	596.7	596.1	595.5	594.9
167.5°	599.9	599.8	599.7	600.0	600.6	601.3	601.9	602.5	601.9	601.3	600.6
170°	602.8	602.7	602.6	602.9	603.6	604.3	605.1	605.8	605.1	604.3	603.6
172.5°	605.2	605.0	604.9	605.1	605.8	606.5	607.2	607.9	607.2	606.5	605.8
175°	607.8	607.7	607.6	607.9	608.5	609.1	609.7	610.3	609.7	609.1	608.5
177.5°	609.4	609.3	609.2	609.4	609.9	610.4	610.9	611.4	610.9	610.4	609.9
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333340

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

**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	7.2	7.7	8.2	8.7	9.2	9.7
92.5°	4.7	4.7	5.4	6.0	6.6	7.2	7.7	8.2	8.7	9.2	9.6
95°	24.6	22.5	18.7	14.9	11.1	7.2	7.7	8.2	8.7	9.2	9.5
97.5°	56.0	52.5	44.9	37.4	29.8	22.3	19.4	16.6	13.8	10.9	9.5
100°	76.8	77.1	77.5	77.9	78.3	78.7	63.7	48.8	33.8	18.8	11.1
102.5°	99.2	99.5	99.7	99.9	100.2	100.4	97.6	94.8	91.9	89.1	84.3
105°	134.6	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.7	169.8	170.0	170.2	170.4	170.6	170.7	170.7	170.7	170.7	170.6
110°	193.6	193.7	193.9	194.1	194.3	194.5	194.2	193.9	193.6	193.3	193.2



TEST NUMBER: P333340

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

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	217.0	217.2	217.3	217.5	217.6	217.7	217.3	216.9	216.5	216.2	215.9
115°	251.7	252.0	252.1	252.2	252.3	252.4	252.0	251.6	251.2	250.8	250.3
117.5°	284.5	284.7	285.0	285.4	285.8	286.2	285.7	285.1	284.6	284.1	283.7
120°	305.9	306.0	306.3	306.6	306.9	307.2	307.0	306.8	306.6	306.4	306.0
122.5°	327.0	327.2	327.4	327.5	327.7	327.8	327.6	327.4	327.2	327.0	326.6
125°	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.5	357.1	356.7	356.3
127.5°	385.5	385.7	385.6	385.6	385.5	385.4	385.2	385.0	384.8	384.6	384.1
130°	402.8	403.1	403.2	403.3	403.4	403.5	403.2	402.9	402.6	402.3	401.9
132.5°	420.5	420.7	420.5	420.3	420.0	419.8	419.8	419.7	419.6	419.6	419.3
135°	445.3	445.5	445.3	445.1	444.9	444.7	444.5	444.3	444.1	443.9	443.5
137.5°	467.7	467.9	467.7	467.5	467.3	467.1	467.2	467.2	467.3	467.3	467.1
140°	481.2	481.3	481.2	481.1	481.0	480.9	481.1	481.3	481.5	481.7	481.5
142.5°	494.3	494.4	494.6	494.7	494.9	495.0	495.0	495.1	495.1	495.2	494.9
145°	514.3	514.4	514.4	514.4	514.4	514.4	514.5	514.6	514.7	514.8	514.5
147.5°	530.5	530.5	530.7	530.8	530.9	531.0	531.1	531.3	531.4	531.5	531.2
150°	540.7	540.7	540.9	541.1	541.3	541.5	541.7	541.9	542.1	542.3	542.0
152.5°	550.2	550.1	550.3	550.5	550.7	550.9	551.1	551.3	551.5	551.7	551.5
155°	563.1	562.9	563.1	563.3	563.5	563.7	564.0	564.3	564.6	564.9	564.6
157.5°	574.4	574.3	574.3	574.3	574.3	574.4	574.7	575.0	575.3	575.6	575.4
160°	580.7	580.5	580.6	580.7	580.8	580.9	581.3	581.7	582.1	582.5	582.3
162.5°	586.5	586.3	586.4	586.5	586.6	586.7	587.2	587.8	588.4	588.9	588.8
165°	594.3	594.0	594.1	594.2	594.3	594.4	595.0	595.7	596.3	596.9	596.8
167.5°	600.0	599.7	599.8	599.9	600.0	600.1	600.9	601.6	602.3	603.0	603.0
170°	602.9	602.6	602.7	602.8	602.9	603.0	603.8	604.6	605.5	606.3	606.2
172.5°	605.1	604.9	605.0	605.2	605.4	605.6	606.3	607.0	607.7	608.5	608.4
175°	607.9	607.6	607.7	607.8	607.9	608.0	608.8	609.6	610.4	611.2	611.2
177.5°	609.4	609.2	609.3	609.4	609.5	609.6	610.1	610.7	611.2	611.8	611.8
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333340

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

**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	9.2	8.7	8.2
92.5°	9.7	9.9	10.0	10.1	10.0	9.9	9.7	9.6	9.2	8.7	8.2
95°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.2	8.7	8.2
97.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.9	13.8	16.6
100°	10.7	10.3	9.9	9.5	9.9	10.3	10.7	11.1	18.8	33.8	48.8
102.5°	77.4	70.6	63.7	56.9	63.7	70.6	77.4	84.3	89.1	91.9	94.8
105°	134.7	134.6	134.5	134.4	134.5	134.6	134.7	134.8	134.8	134.8	134.8
107.5°	170.3	170.0	169.7	169.4	169.7	170.0	170.3	170.6	170.7	170.7	170.7
110°	193.3	193.4	193.5	193.6	193.5	193.4	193.3	193.2	193.3	193.6	193.9



TEST NUMBER: P333340

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	215.8	215.6	215.5	215.3	215.5	215.6	215.8	215.9	216.2	216.5	216.9
115°	249.7	249.1	248.5	247.9	248.5	249.1	249.7	250.3	250.8	251.2	251.6
117.5°	283.4	283.2	282.9	282.7	282.9	283.2	283.4	283.7	284.1	284.6	285.1
120°	305.5	305.0	304.5	304.0	304.5	305.0	305.5	306.0	306.4	306.6	306.8
122.5°	326.0	325.4	324.9	324.3	324.9	325.4	326.0	326.6	327.0	327.2	327.4
125°	356.0	355.7	355.4	355.1	355.4	355.7	356.0	356.3	356.7	357.1	357.5
127.5°	383.3	382.6	381.8	381.1	381.8	382.6	383.3	384.1	384.6	384.8	385.0
130°	401.4	400.9	400.4	399.9	400.4	400.9	401.4	401.9	402.3	402.6	402.9
132.5°	418.8	418.3	417.8	417.3	417.8	418.3	418.8	419.3	419.6	419.6	419.7
135°	442.9	442.3	441.7	441.1	441.7	442.3	442.9	443.5	443.9	444.1	444.3
137.5°	466.5	466.0	465.5	465.0	465.5	466.0	466.5	467.1	467.3	467.3	467.2
140°	480.9	480.3	479.7	479.1	479.7	480.3	480.9	481.5	481.7	481.5	481.3
142.5°	494.3	493.7	493.1	492.5	493.1	493.7	494.3	494.9	495.2	495.1	495.1
145°	513.9	513.3	512.7	512.1	512.7	513.3	513.9	514.5	514.8	514.7	514.6
147.5°	530.5	529.8	529.0	528.3	529.0	529.8	530.5	531.2	531.5	531.4	531.3
150°	541.2	540.4	539.6	538.8	539.6	540.4	541.2	542.0	542.3	542.1	541.9
152.5°	550.7	550.0	549.3	548.6	549.3	550.0	550.7	551.5	551.7	551.5	551.3
155°	563.8	563.0	562.2	561.4	562.2	563.0	563.8	564.6	564.9	564.6	564.3
157.5°	574.6	573.8	573.0	572.2	573.0	573.8	574.6	575.4	575.6	575.3	575.0
160°	581.5	580.7	579.9	579.1	579.9	580.7	581.5	582.3	582.5	582.1	581.7
162.5°	587.9	587.0	586.1	585.2	586.1	587.0	587.9	588.8	588.9	588.4	587.8
165°	596.0	595.1	594.3	593.5	594.3	595.1	596.0	596.8	596.9	596.3	595.7
167.5°	602.0	601.1	600.2	599.3	600.2	601.1	602.0	603.0	603.0	602.3	601.6
170°	605.3	604.4	603.5	602.6	603.5	604.4	605.3	606.2	606.3	605.5	604.6
172.5°	607.5	606.6	605.7	604.8	605.7	606.6	607.5	608.4	608.5	607.7	607.0
175°	610.3	609.4	608.5	607.6	608.5	609.4	610.3	611.2	611.2	610.4	609.6
177.5°	611.1	610.5	609.8	609.2	609.8	610.5	611.1	611.8	611.8	611.2	610.7
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333340

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

**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°	7.7	7.2	6.5	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	7.7	7.2	6.6	6.0	5.4	4.7	4.7	5.3	5.8	6.4	7.0
95°	7.7	7.2	11.1	14.9	18.7	22.5	24.6	24.9	25.2	25.5	25.8
97.5°	19.4	22.3	29.8	37.4	44.9	52.5	56.0	55.5	54.9	54.4	53.8
100°	63.7	78.7	78.3	77.9	77.5	77.1	76.8	76.5	76.2	75.9	75.5
102.5°	97.6	100.4	100.2	99.9	99.7	99.5	99.2	98.8	98.4	98.0	97.6
105°	134.8	134.8	134.8	134.8	134.8	134.8	134.6	134.2	133.8	133.4	133.0
107.5°	170.7	170.6	170.4	170.2	170.0	169.8	169.7	169.7	169.7	169.7	169.7
110°	194.2	194.5	194.3	194.1	193.9	193.7	193.6	193.6	193.6	193.6	193.6



TEST NUMBER: P333340

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	217.3	217.7	217.6	217.5	217.3	217.2	217.0	216.8	216.5	216.3	216.1
115°	252.0	252.4	252.3	252.2	252.1	252.0	251.7	251.2	250.7	250.2	249.7
117.5°	285.7	286.2	285.8	285.4	285.0	284.7	284.5	284.5	284.5	284.5	284.6
120°	307.0	307.2	306.9	306.6	306.3	306.0	305.9	306.0	306.1	306.2	306.3
122.5°	327.6	327.8	327.7	327.5	327.4	327.2	327.0	326.6	326.2	325.8	325.5
125°	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.2	356.5	355.8	355.1
127.5°	385.2	385.4	385.5	385.6	385.6	385.7	385.5	385.0	384.5	384.0	383.4
130°	403.2	403.5	403.4	403.3	403.2	403.1	402.8	402.3	401.8	401.3	400.8
132.5°	419.8	419.8	420.0	420.3	420.5	420.7	420.5	419.9	419.4	418.8	418.2
135°	444.5	444.7	444.9	445.1	445.3	445.5	445.3	444.7	444.1	443.5	442.9
137.5°	467.2	467.1	467.3	467.5	467.7	467.9	467.7	467.2	466.6	466.1	465.6
140°	481.1	480.9	481.0	481.1	481.2	481.3	481.2	481.0	480.8	480.6	480.4
142.5°	495.0	495.0	494.9	494.7	494.6	494.4	494.3	494.2	494.1	494.0	493.8
145°	514.5	514.4	514.4	514.4	514.4	514.4	514.3	514.1	513.9	513.7	513.5
147.5°	531.1	531.0	530.9	530.8	530.7	530.5	530.5	530.5	530.6	530.6	530.7
150°	541.7	541.5	541.3	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5
152.5°	551.1	550.9	550.7	550.5	550.3	550.1	550.2	550.7	551.1	551.6	552.0
155°	564.0	563.7	563.5	563.3	563.1	562.9	563.1	563.7	564.3	564.9	565.5
157.5°	574.7	574.4	574.3	574.3	574.3	574.3	574.4	574.8	575.2	575.5	575.9
160°	581.3	580.9	580.8	580.7	580.6	580.5	580.7	581.3	581.9	582.5	583.1
162.5°	587.2	586.7	586.6	586.5	586.4	586.3	586.5	587.1	587.7	588.3	588.9
165°	595.0	594.4	594.3	594.2	594.1	594.0	594.3	594.9	595.5	596.1	596.7
167.5°	600.9	600.1	600.0	599.9	599.8	599.7	600.0	600.6	601.3	601.9	602.5
170°	603.8	603.0	602.9	602.8	602.7	602.6	602.9	603.6	604.3	605.1	605.8
172.5°	606.3	605.6	605.4	605.2	605.0	604.9	605.1	605.8	606.5	607.2	607.9
175°	608.8	608.0	607.9	607.8	607.7	607.6	607.9	608.5	609.1	609.7	610.3
177.5°	610.1	609.6	609.5	609.4	609.3	609.2	609.4	609.9	610.4	610.9	611.4
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



TEST NUMBER: P333340

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

**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	7.2	7.7	8.2
92.5°	6.4	5.8	5.3	4.7	4.7	5.4	6.0	6.6	7.2	7.7	8.2
95°	25.5	25.2	24.9	24.6	22.5	18.7	14.9	11.1	7.2	7.7	8.2
97.5°	54.4	54.9	55.5	56.0	52.5	44.9	37.4	29.8	22.3	19.4	16.6
100°	75.9	76.2	76.5	76.8	77.1	77.5	77.9	78.3	78.7	63.7	48.8
102.5°	98.0	98.4	98.8	99.2	99.5	99.7	99.9	100.2	100.4	97.6	94.8
105°	133.4	133.8	134.2	134.6	134.8	134.8	134.8	134.8	134.8	134.8	134.8
107.5°	169.7	169.7	169.7	169.7	169.8	170.0	170.2	170.4	170.6	170.7	170.7
110°	193.6	193.6	193.6	193.6	193.7	193.9	194.1	194.3	194.5	194.2	193.9





TEST NUMBER: P333340

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

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	216.3	216.5	216.8	217.0	217.2	217.3	217.5	217.6	217.7	217.3	216.9
115°	250.2	250.7	251.2	251.7	252.0	252.1	252.2	252.3	252.4	252.0	251.6
117.5°	284.5	284.5	284.5	284.5	284.7	285.0	285.4	285.8	286.2	285.7	285.1
120°	306.2	306.1	306.0	305.9	306.0	306.3	306.6	306.9	307.2	307.0	306.8
122.5°	325.8	326.2	326.6	327.0	327.2	327.4	327.5	327.7	327.8	327.6	327.4
125°	355.8	356.5	357.2	357.9	358.3	358.3	358.3	358.3	358.3	357.9	357.5
127.5°	384.0	384.5	385.0	385.5	385.7	385.6	385.6	385.5	385.4	385.2	385.0
130°	401.3	401.8	402.3	402.8	403.1	403.2	403.3	403.4	403.5	403.2	402.9
132.5°	418.8	419.4	419.9	420.5	420.7	420.5	420.3	420.0	419.8	419.8	419.7
135°	443.5	444.1	444.7	445.3	445.5	445.3	445.1	444.9	444.7	444.5	444.3
137.5°	466.1	466.6	467.2	467.7	467.9	467.7	467.5	467.3	467.1	467.2	467.2
140°	480.6	480.8	481.0	481.2	481.3	481.2	481.1	481.0	480.9	481.1	481.3
142.5°	494.0	494.1	494.2	494.3	494.4	494.6	494.7	494.9	495.0	495.0	495.1
145°	513.7	513.9	514.1	514.3	514.4	514.4	514.4	514.4	514.4	514.5	514.6
147.5°	530.6	530.6	530.5	530.5	530.5	530.7	530.8	530.9	531.0	531.1	531.3
150°	541.3	541.1	540.9	540.7	540.7	540.9	541.1	541.3	541.5	541.7	541.9
152.5°	551.6	551.1	550.7	550.2	550.1	550.3	550.5	550.7	550.9	551.1	551.3
155°	564.9	564.3	563.7	563.1	562.9	563.1	563.3	563.5	563.7	564.0	564.3
157.5°	575.5	575.2	574.8	574.4	574.3	574.3	574.3	574.3	574.4	574.7	575.0
160°	582.5	581.9	581.3	580.7	580.5	580.6	580.7	580.8	580.9	581.3	581.7
162.5°	588.3	587.7	587.1	586.5	586.3	586.4	586.5	586.6	586.7	587.2	587.8
165°	596.1	595.5	594.9	594.3	594.0	594.1	594.2	594.3	594.4	595.0	595.7
167.5°	601.9	601.3	600.6	600.0	599.7	599.8	599.9	600.0	600.1	600.9	601.6
170°	605.1	604.3	603.6	602.9	602.6	602.7	602.8	602.9	603.0	603.8	604.6
172.5°	607.2	606.5	605.8	605.1	604.9	605.0	605.2	605.4	605.6	606.3	607.0
175°	609.7	609.1	608.5	607.9	607.6	607.7	607.8	607.9	608.0	608.8	609.6
177.5°	610.9	610.4	609.9	609.4	609.2	609.3	609.4	609.5	609.6	610.1	610.7
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3	610.3



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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°	8.7	9.2	9.7	10.0	10.3	10.6	10.9
92.5°	8.7	9.2	9.6	9.7	9.9	10.0	10.1
95°	8.7	9.2	9.5	9.5	9.5	9.5	9.5
97.5°	13.8	10.9	9.5	9.5	9.5	9.5	9.5
100°	33.8	18.8	11.1	10.7	10.3	9.9	9.5
102.5°	91.9	89.1	84.3	77.4	70.6	63.7	56.9
105°	134.8	134.8	134.8	134.7	134.6	134.5	134.4
107.5°	170.7	170.7	170.6	170.3	170.0	169.7	169.4
110°	193.6	193.3	193.2	193.3	193.4	193.5	193.6



TEST NUMBER: P333340

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	216.5	216.2	215.9	215.8	215.6	215.5	215.3
115°	251.2	250.8	250.3	249.7	249.1	248.5	247.9
117.5°	284.6	284.1	283.7	283.4	283.2	282.9	282.7
120°	306.6	306.4	306.0	305.5	305.0	304.5	304.0
122.5°	327.2	327.0	326.6	326.0	325.4	324.9	324.3
125°	357.1	356.7	356.3	356.0	355.7	355.4	355.1
127.5°	384.8	384.6	384.1	383.3	382.6	381.8	381.1
130°	402.6	402.3	401.9	401.4	400.9	400.4	399.9
132.5°	419.6	419.6	419.3	418.8	418.3	417.8	417.3
135°	444.1	443.9	443.5	442.9	442.3	441.7	441.1
137.5°	467.3	467.3	467.1	466.5	466.0	465.5	465.0
140°	481.5	481.7	481.5	480.9	480.3	479.7	479.1
142.5°	495.1	495.2	494.9	494.3	493.7	493.1	492.5
145°	514.7	514.8	514.5	513.9	513.3	512.7	512.1
147.5°	531.4	531.5	531.2	530.5	529.8	529.0	528.3
150°	542.1	542.3	542.0	541.2	540.4	539.6	538.8
152.5°	551.5	551.7	551.5	550.7	550.0	549.3	548.6
155°	564.6	564.9	564.6	563.8	563.0	562.2	561.4
157.5°	575.3	575.6	575.4	574.6	573.8	573.0	572.2
160°	582.1	582.5	582.3	581.5	580.7	579.9	579.1
162.5°	588.4	588.9	588.8	587.9	587.0	586.1	585.2
165°	596.3	596.9	596.8	596.0	595.1	594.3	593.5
167.5°	602.3	603.0	603.0	602.0	601.1	600.2	599.3
170°	605.5	606.3	606.2	605.3	604.4	603.5	602.6
172.5°	607.7	608.5	608.4	607.5	606.6	605.7	604.8
175°	610.4	611.2	611.2	610.3	609.4	608.5	607.6
177.5°	611.2	611.8	611.8	611.1	610.5	609.8	609.2
180°	610.3	610.3	610.3	610.3	610.3	610.3	610.3

(END OF REPORT)