

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1034511

Luminaire Tested: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034511
REPORT IS A COMBINATION OF REPORTS P1003589 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K
Description: Define 5 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

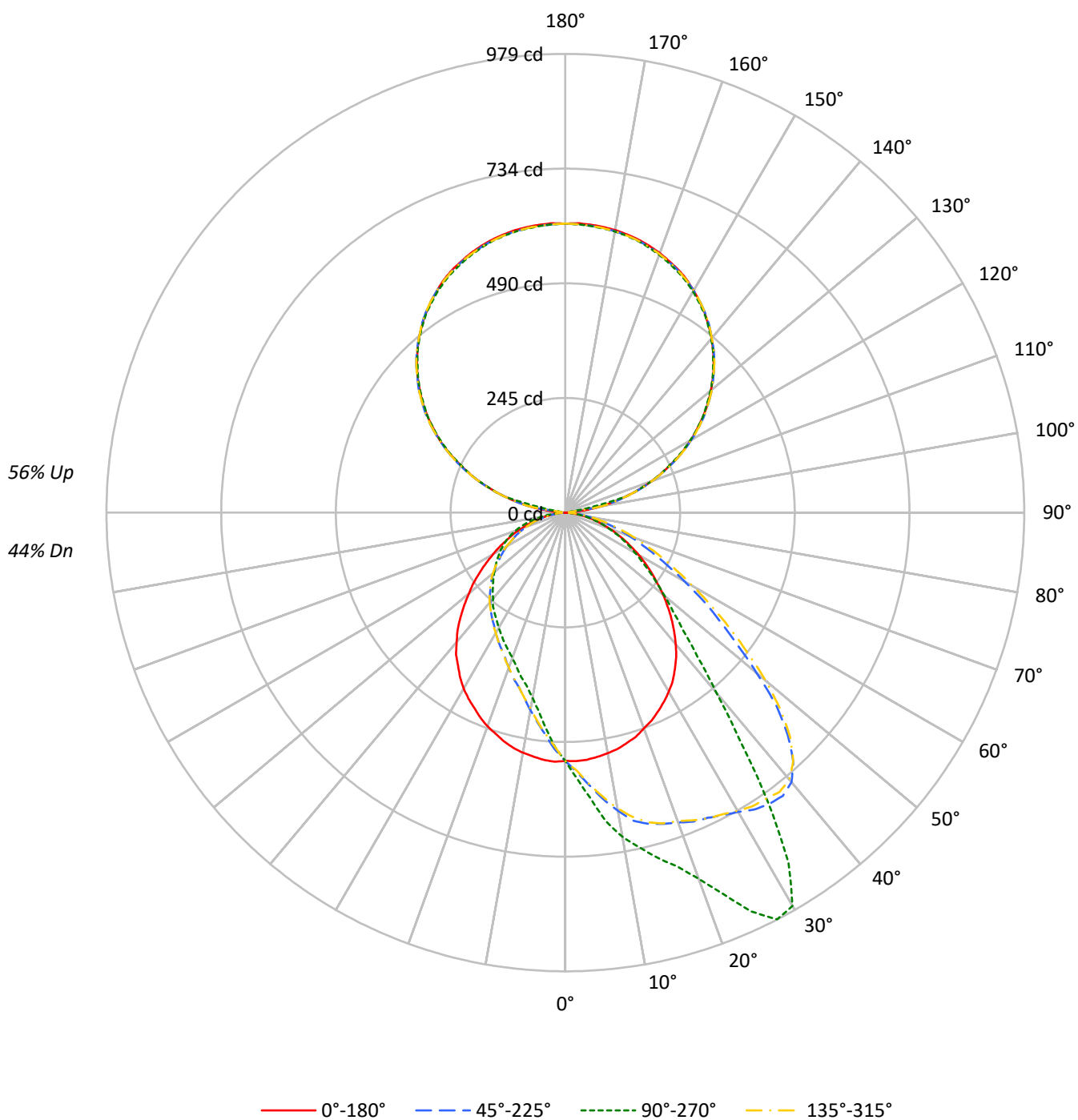
Lumens per Lamp: N/A
Luminaire Lumens: 3391.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 26.2
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43
2	88	81	75	70	80	74	69	65	62	58	55	51	48	46	40	38	37
3	81	71	64	58	73	66	59	54	55	50	46	45	42	39	36	33	31
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24
6	62	50	42	37	57	47	40	34	39	34	30	32	28	25	26	23	21
7	58	45	38	32	53	42	35	30	36	30	26	29	25	22	24	21	19
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3394	3394	3394	3394
5°	3397	3851	3400	2921
10°	3376	4389	3370	2508
15°	3352	4759	3331	2266
20°	3309	5215	3279	2069
25°	3272	5975	3212	1952
30°	3218	6304	3162	1846
35°	3132	5053	3066	1760
40°	2999	3493	2955	1671
45°	2831	2600	2799	1596
50°	2638	2141	2594	1537
55°	2430	1826	2411	1485
60°	2226	1563	2187	1444
65°	2006	1350	1974	1386
70°	1774	1120	1749	1283
75°	1528	866	1508	1114
80°	1205	586	1163	819
85°	772	292	743	417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 5185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.5
10°-20°	151.9	4.5
20°-30°	246.7	7.3
30°-40°	301.5	8.9
40°-50°	273.5	8.1
50°-60°	217.8	6.4
60°-70°	151.7	4.5
70°-80°	80.8	2.4
80°-90°	20.9	0.6
90°-100°	20.9	0.6
100°-110°	139.2	4.1
110°-120°	250.7	7.4
120°-130°	321.8	9.5
130°-140°	346.1	10.2
140°-150°	324.9	9.6
150°-160°	262.8	7.7
160°-170°	169.9	5.0
170°-180°	58.6	1.7
0°-30°	449.6	13.3
0°-40°	751.1	22.1
0°-60°	1242.4	36.6
0°-90°	1495.9	44.1
90°-120°	410.9	12.1
90°-150°	1403.7	41.4
90°-180°	1895.0	55.9
0°-180°	3391.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	530	530	530	530	530	
5°	529	611	530	464	529	50
15°	509	763	506	363	509	144
25°	468	939	460	307	468	216
35°	408	754	399	263	408	254
45°	320	355	317	218	320	247
55°	225	219	224	178	225	202
65°	139	134	137	138	139	138
75°	68	66	67	85	68	72
85°	14	15	13	21	14	16
90°	0	11	0	11	0	2
95°	26	10	26	10	26	32
105°	134	136	134	136	134	142
115°	252	251	252	251	252	250
125°	359	359	359	359	359	321
135°	448	446	448	446	448	345
145°	519	518	519	518	519	325
155°	572	568	572	568	572	263
165°	603	600	603	600	603	170
175°	617	614	617	614	617	59
180°	617	617	617	617	617	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	530.7	533.8	537.4	540.1	544.6	546.0	548.2	549.6	550.9	552.3	553.2
5°	529.3	537.0	543.7	548.7	557.2	560.4	564.4	569.4	575.2	580.2	583.3
7.5°	525.7	537.9	546.9	556.8	568.5	576.1	580.2	590.5	600.0	607.1	616.6
10°	521.2	535.6	549.6	564.4	581.1	589.6	597.7	612.1	625.1	636.8	646.3
12.5°	516.3	533.8	550.5	569.8	592.3	602.7	608.0	632.8	649.0	655.3	673.7
15°	508.7	529.3	553.2	577.0	595.9	608.0	622.9	642.7	658.9	672.8	687.7
17.5°	501.5	523.9	548.2	574.8	602.2	617.9	629.2	646.7	664.3	682.3	696.2
20°	489.8	519.0	543.7	572.1	604.5	615.7	627.4	648.1	667.0	686.3	703.8
22.5°	480.3	508.2	541.9	568.9	596.4	607.6	622.0	643.6	666.1	688.1	713.7
25°	468.2	499.2	528.4	557.2	585.6	597.7	610.7	638.6	662.0	690.4	718.7
27.5°	455.1	487.1	516.3	542.4	568.9	585.6	599.5	628.7	659.8	690.8	727.7
30°	441.2	471.3	499.2	524.8	554.1	571.2	585.1	619.3	653.9	693.5	737.6
32.5°	426.4	454.7	478.5	504.6	535.6	551.4	570.3	607.6	648.5	695.7	751.1
35°	407.5	434.4	455.6	482.1	513.2	533.4	553.2	595.0	642.7	695.3	758.7
37.5°	388.6	409.7	430.0	458.3	494.3	512.7	533.4	579.3	633.7	693.9	761.9
40°	366.1	386.8	404.3	433.1	470.9	492.0	513.6	561.7	623.3	689.0	750.6
42.5°	343.6	361.1	380.5	410.6	447.0	469.5	492.5	546.0	609.8	674.6	719.6
45°	320.2	333.7	354.8	382.3	421.0	442.5	468.6	526.6	591.0	648.5	671.0
47.5°	295.9	309.4	329.2	355.7	394.0	419.6	444.3	502.4	567.1	611.6	611.6
50°	272.5	283.3	302.7	329.2	367.9	391.3	416.5	478.1	530.2	563.1	533.8
52.5°	247.4	259.5	275.7	303.6	341.8	362.9	390.4	443.0	492.5	506.0	461.0
55°	225.3	235.2	250.5	277.0	312.6	334.6	358.0	408.4	450.2	449.3	401.2
57.5°	202.4	210.5	226.7	251.0	283.8	303.6	327.0	370.6	404.8	392.6	347.2
60°	181.2	187.1	202.8	222.6	254.1	272.5	295.0	330.6	356.6	339.6	293.7
62.5°	159.2	166.0	178.5	197.9	225.8	240.6	257.3	293.2	309.9	294.6	247.8
65°	139.4	144.8	156.1	172.3	197.4	210.9	225.3	255.0	270.7	248.7	210.0
67.5°	119.6	125.9	134.0	148.4	168.2	180.8	193.4	219.0	226.2	206.4	174.0
70°	101.2	106.6	114.2	124.6	141.2	152.5	161.9	183.0	188.0	169.6	143.9
72.5°	83.2	86.8	93.1	101.6	116.9	123.2	133.1	147.5	153.8	137.2	118.7
75°	67.5	70.2	74.2	80.5	90.8	97.6	105.7	119.2	118.7	107.0	94.0
77.5°	52.2	52.6	57.1	63.0	69.3	75.1	79.2	88.6	89.5	82.3	71.5
80°	37.3	38.7	40.5	45.0	50.4	52.6	57.6	63.4	64.3	58.9	51.7
82.5°	23.8	24.7	26.1	28.8	32.4	35.1	37.8	40.0	42.3	39.1	33.3
85°	13.5	13.9	15.3	16.2	18.0	19.3	21.6	23.8	23.4	21.1	19.3
87.5°	6.7	6.7	6.7	7.6	8.5	8.5	9.4	9.9	10.3	9.4	8.5
90°	0.5	1.3	2.1	2.9	3.7	4.1	4.5	5.2	5.9	6.6	7.3
92.5°	8.7	7.8	6.9	6.0	5.1	4.6	4.9	5.5	6.1	6.7	7.3
95°	26.1	25.8	25.5	25.2	24.9	24.7	22.8	18.9	15.0	11.2	7.3
97.5°	48.9	49.5	50.1	50.8	51.4	51.7	46.9	37.2	27.5	17.9	8.2
100°	76.4	76.7	77.0	77.3	77.6	77.7	77.9	78.3	78.8	79.2	79.6
102.5°	104.3	104.7	105.1	105.5	105.9	106.1	106.2	106.4	106.6	106.8	107.0
105°	134.5	134.9	135.3	135.7	136.1	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.6	165.6	165.6	165.6	165.6	165.6	165.7	165.9	166.1	166.3	166.5
110°	195.7	195.7	195.7	195.7	195.7	195.7	195.8	196.0	196.2	196.4	196.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	224.1	224.4	224.7	225.0	225.3	225.5	225.5	225.6	225.7	225.8	225.9
115°	252.4	252.9	253.4	253.9	254.4	254.7	254.8	254.9	255.0	255.1	255.2
117.5°	282.2	282.2	282.2	282.2	282.2	282.2	282.4	282.8	283.2	283.6	284.0
120°	309.6	309.5	309.4	309.3	309.2	309.2	309.3	309.6	309.9	310.2	310.5
122.5°	333.8	334.3	334.8	335.3	335.8	336.1	336.2	336.3	336.4	336.5	336.6
125°	359.0	359.7	360.4	361.1	361.8	362.2	362.2	362.2	362.2	362.2	362.2
127.5°	383.2	383.7	384.2	384.7	385.2	385.5	385.5	385.4	385.3	385.2	385.1
130°	405.2	405.7	406.2	406.7	407.2	407.5	407.5	407.6	407.7	407.8	407.9
132.5°	427.1	427.7	428.3	429.0	429.6	429.9	429.7	429.4	429.1	428.8	428.5
135°	447.7	448.3	448.9	449.6	450.2	450.5	450.4	450.2	450.0	449.8	449.6
137.5°	466.9	467.5	468.1	468.8	469.4	469.7	469.6	469.4	469.2	469.0	468.8
140°	485.7	485.9	486.1	486.3	486.5	486.6	486.5	486.4	486.3	486.2	486.1
142.5°	502.6	502.7	502.8	502.9	503.0	503.1	503.2	503.4	503.6	503.8	504.0
145°	519.1	519.3	519.5	519.7	519.9	520.0	520.0	520.0	520.0	520.0	520.0
147.5°	533.7	533.7	533.7	533.7	533.7	533.7	533.8	533.9	534.0	534.1	534.2
150°	547.4	547.2	547.0	546.8	546.6	546.5	546.6	546.8	547.0	547.2	547.4
152.5°	560.7	560.2	559.7	559.2	558.7	558.4	558.5	558.7	558.9	559.1	559.3
155°	571.7	571.1	570.5	569.8	569.2	568.9	569.0	569.2	569.4	569.6	569.8
157.5°	580.3	580.0	579.7	579.4	579.1	579.0	579.0	579.0	579.0	579.0	579.0
160°	589.5	588.9	588.3	587.6	587.0	586.7	586.8	586.9	587.0	587.1	587.2
162.5°	596.8	596.2	595.6	595.0	594.4	594.1	594.1	594.2	594.3	594.4	594.5
165°	603.2	602.6	602.0	601.4	600.8	600.5	600.5	600.6	600.7	600.8	600.9
167.5°	608.2	607.6	607.0	606.4	605.8	605.5	605.6	605.7	605.8	605.9	606.0
170°	612.4	611.7	611.0	610.3	609.6	609.2	609.2	609.3	609.4	609.5	609.6
172.5°	615.1	614.4	613.7	613.0	612.3	611.9	612.0	612.2	612.4	612.6	612.8
175°	616.9	616.3	615.7	615.1	614.5	614.2	614.2	614.3	614.4	614.5	614.6
177.5°	618.3	617.7	617.1	616.5	615.9	615.6	615.6	615.7	615.8	615.9	616.0
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	554.1	557.2	559.9	562.2	564.0	566.7	564.9	565.3	566.2	568.0	568.0
5°	590.1	595.0	597.7	606.7	608.9	608.5	607.1	614.3	613.9	611.2	610.7
7.5°	625.1	633.7	641.3	648.5	650.8	656.6	658.0	661.1	660.2	664.7	662.5
10°	657.1	670.6	677.8	688.6	691.2	693.9	697.5	699.3	703.4	702.9	702.9
12.5°	681.8	698.0	707.4	710.1	720.5	723.6	726.8	732.6	731.3	731.7	734.4
15°	701.1	716.9	725.0	737.6	744.8	748.4	753.8	760.1	759.2	763.2	762.3
17.5°	715.5	730.4	745.2	764.1	764.6	774.0	786.6	789.3	795.1	791.1	791.1
20°	727.2	747.0	768.2	792.4	795.1	801.0	816.3	826.6	833.4	831.1	832.5
22.5°	739.8	768.2	792.9	817.2	830.2	840.6	855.4	871.6	877.4	881.0	880.1
25°	756.0	785.7	822.1	855.9	869.3	889.1	908.9	924.7	929.2	939.1	930.1
27.5°	772.7	814.5	859.9	899.5	916.6	932.8	956.6	968.3	974.1	978.6	975.5
30°	786.6	844.2	893.6	930.1	942.2	951.6	965.1	967.8	965.6	969.2	973.7
32.5°	808.2	864.4	906.2	923.8	922.4	922.0	911.6	897.2	894.1	885.5	897.2
35°	819.9	864.8	881.0	857.7	848.2	831.1	798.3	776.7	757.8	753.8	754.7
37.5°	813.1	830.7	811.3	749.7	734.4	708.3	664.7	634.1	620.2	609.4	623.3
40°	776.7	757.4	704.3	629.2	607.1	582.4	541.5	524.8	505.1	501.0	519.4
42.5°	716.4	657.5	582.4	524.4	501.5	487.5	453.3	437.6	423.7	417.4	427.7
45°	634.6	563.1	487.5	439.8	420.5	403.9	383.6	367.0	358.0	355.3	363.8
47.5°	550.0	474.5	414.2	378.7	358.4	345.8	327.0	317.5	310.3	311.2	312.6
50°	469.1	400.3	353.9	318.4	308.5	298.6	286.0	277.9	274.3	275.7	274.8
52.5°	399.4	343.6	304.5	277.0	272.5	263.1	252.8	246.0	244.7	245.1	246.5
55°	338.2	294.6	263.5	243.8	238.8	232.1	225.8	221.3	217.7	219.0	218.6
57.5°	291.9	253.7	229.8	213.6	210.0	206.0	200.1	197.9	196.5	193.8	196.1
60°	251.0	219.9	199.2	189.3	186.2	183.5	177.2	174.5	173.6	172.3	175.8
62.5°	212.3	190.2	174.5	165.5	162.4	159.7	156.5	154.3	154.7	152.9	154.7
65°	181.7	163.7	152.5	144.4	140.3	138.5	138.1	134.5	134.0	134.5	134.9
67.5°	153.4	138.1	129.5	124.6	121.4	119.6	118.3	116.0	117.8	116.5	117.4
70°	127.7	117.4	108.4	103.4	102.1	102.5	100.3	99.4	99.8	98.9	99.8
72.5°	103.0	94.4	90.8	87.2	85.5	85.0	83.7	82.3	83.7	83.2	83.2
75°	82.3	76.0	72.0	69.7	69.7	68.8	66.6	66.6	66.6	66.1	66.6
77.5°	63.4	58.0	56.2	54.0	54.0	52.6	52.2	52.2	51.3	52.6	51.7
80°	47.2	43.2	40.5	39.1	39.1	38.7	37.8	37.3	37.8	37.3	37.3
82.5°	30.6	28.8	27.4	26.1	25.6	26.1	25.6	24.7	25.2	24.7	25.6
85°	17.5	15.7	15.7	14.8	15.3	14.4	14.8	13.9	13.5	14.8	13.9
87.5°	7.6	7.2	7.2	6.3	6.3	6.3	5.8	6.3	5.8	5.4	5.8
90°	7.8	8.3	8.8	9.3	9.6	9.8	10.1	10.4	10.7	11.0	10.7
92.5°	7.8	8.3	8.8	9.3	9.6	9.7	9.8	9.9	10.0	10.1	10.0
95°	7.8	8.3	8.8	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	8.4	8.6	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.5
100°	64.4	49.3	34.1	19.0	11.4	11.2	10.8	10.4	10.0	9.6	10.0
102.5°	107.2	107.4	107.6	107.8	107.9	103.6	95.1	86.6	78.0	69.5	78.0
105°	136.3	136.3	136.3	136.3	136.3	136.2	136.1	136.0	135.9	135.8	135.9
107.5°	166.6	166.7	166.8	166.9	166.9	166.7	166.3	165.9	165.5	165.1	165.5
110°	196.3	196.0	195.7	195.4	195.3	195.3	195.4	195.5	195.6	195.7	195.6

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	225.5	225.1	224.7	224.3	224.1	224.0	223.8	223.6	223.4	223.2	223.4
115°	254.8	254.4	254.0	253.6	253.4	253.1	252.5	251.8	251.2	250.6	251.2
117.5°	283.4	282.8	282.2	281.6	281.3	281.2	281.0	280.7	280.5	280.3	280.5
120°	310.3	310.1	309.9	309.7	309.6	309.3	308.8	308.3	307.8	307.3	307.8
122.5°	336.4	336.2	336.0	335.8	335.7	335.4	334.8	334.1	333.5	332.9	333.5
125°	361.8	361.4	361.0	360.6	360.4	360.2	359.9	359.6	359.3	359.0	359.3
127.5°	384.9	384.7	384.5	384.3	384.2	383.8	383.0	382.1	381.3	380.5	381.3
130°	407.6	407.3	407.0	406.7	406.6	406.3	405.8	405.3	404.8	404.3	404.8
132.5°	428.5	428.5	428.5	428.5	428.5	428.2	427.7	427.2	426.7	426.2	426.7
135°	449.4	449.2	448.9	448.7	448.6	448.3	447.7	447.1	446.5	445.9	446.5
137.5°	468.8	468.8	468.8	468.8	468.8	468.5	468.0	467.5	467.0	466.5	467.0
140°	486.3	486.5	486.8	487.0	487.1	486.8	486.2	485.5	484.9	484.3	484.9
142.5°	504.0	504.0	504.0	504.0	504.0	503.7	503.1	502.4	501.8	501.2	501.8
145°	520.1	520.2	520.3	520.4	520.4	520.1	519.5	518.9	518.3	517.7	518.3
147.5°	534.3	534.4	534.5	534.6	534.6	534.2	533.5	532.8	532.1	531.4	532.1
150°	547.6	547.8	548.0	548.2	548.3	547.9	547.1	546.3	545.5	544.7	545.5
152.5°	559.5	559.7	559.9	560.1	560.2	559.8	559.1	558.4	557.7	557.0	557.7
155°	570.1	570.4	570.7	571.0	571.2	570.8	570.0	569.1	568.3	567.5	568.3
157.5°	579.3	579.6	579.9	580.2	580.3	579.9	579.1	578.3	577.5	576.7	577.5
160°	587.6	588.0	588.4	588.8	589.0	588.6	587.8	587.0	586.2	585.4	586.2
162.5°	595.1	595.7	596.4	597.0	597.3	596.8	595.9	595.0	594.1	593.2	594.1
165°	601.5	602.1	602.8	603.4	603.7	603.3	602.5	601.6	600.8	600.0	600.8
167.5°	606.7	607.4	608.1	608.8	609.2	608.7	607.8	606.9	605.9	605.0	605.9
170°	610.4	611.2	612.1	612.9	613.3	612.8	611.9	611.0	610.1	609.2	610.1
172.5°	613.5	614.2	614.9	615.6	616.0	615.5	614.6	613.7	612.8	611.9	612.8
175°	615.4	616.2	617.1	617.9	618.3	617.8	616.9	616.0	615.1	614.2	615.1
177.5°	616.7	617.4	618.1	618.8	619.2	618.8	618.0	617.2	616.4	615.6	616.4
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	567.1	564.0	564.9	564.0	561.7	560.4	556.8	552.3	550.5	548.2	546.9
5°	612.5	610.3	609.8	606.2	605.3	600.0	591.0	586.5	581.1	575.7	570.3
7.5°	662.0	659.3	650.3	649.0	649.9	643.1	631.4	622.4	611.2	603.6	593.2
10°	702.9	697.5	689.9	690.4	687.2	678.2	666.5	657.1	640.9	631.0	616.1
12.5°	727.7	723.2	722.3	717.8	715.1	703.4	689.5	677.3	665.2	651.7	640.4
15°	757.8	752.0	747.9	741.6	739.8	727.7	712.4	698.4	684.5	671.9	648.1
17.5°	791.1	784.8	769.5	768.2	757.4	745.7	730.8	710.1	695.3	677.3	659.8
20°	828.9	819.9	800.1	795.1	786.6	767.3	747.0	724.1	700.2	681.8	661.1
22.5°	871.1	855.4	841.0	825.3	819.0	795.1	767.3	739.4	710.6	685.4	660.7
25°	926.0	905.3	885.1	869.3	858.6	827.5	790.2	753.3	720.0	687.2	654.8
27.5°	969.2	951.2	929.2	908.5	894.5	857.7	814.9	767.3	725.9	685.9	651.2
30°	972.3	966.9	953.4	942.2	926.9	887.3	840.1	786.1	734.9	686.3	644.0
32.5°	913.4	924.2	930.1	931.9	928.7	905.8	862.6	803.2	743.0	682.3	637.7
35°	786.6	815.4	850.9	864.4	877.4	889.6	867.1	815.4	745.7	681.4	627.8
37.5°	647.6	673.7	732.6	759.6	774.9	823.0	841.5	813.6	751.1	682.3	618.4
40°	522.6	564.0	606.2	642.7	666.5	720.5	777.6	783.9	743.4	673.7	606.2
42.5°	439.8	464.1	496.1	529.8	550.9	614.8	692.1	737.6	719.6	659.8	591.4
45°	374.6	392.6	422.8	434.0	461.0	522.1	604.0	669.7	678.7	637.7	574.3
47.5°	321.6	336.9	356.2	370.1	391.7	437.6	506.9	579.3	622.4	607.6	550.5
50°	283.3	295.9	312.1	320.2	334.2	375.5	427.7	499.7	557.7	562.6	519.4
52.5°	251.4	258.6	271.2	280.2	291.4	316.6	363.8	423.2	488.4	515.4	481.2
55°	223.5	229.4	240.6	246.5	252.3	273.9	310.8	364.7	425.9	461.4	442.1
57.5°	198.3	203.3	212.7	218.1	221.3	242.0	270.3	312.6	367.4	410.6	399.8
60°	177.6	182.1	187.5	191.6	195.2	212.3	232.1	266.2	315.3	357.1	354.4
62.5°	155.6	159.7	165.5	169.6	172.7	183.5	200.1	226.2	268.0	306.7	314.4
65°	136.3	139.4	143.5	145.3	149.3	157.4	170.9	194.3	228.5	263.1	268.5
67.5°	118.7	119.6	122.3	126.4	127.3	134.5	146.6	164.2	190.7	219.0	227.6
70°	99.8	101.2	103.4	106.6	108.4	112.9	123.2	134.9	157.9	182.6	188.9
72.5°	83.2	85.0	85.9	87.7	88.6	95.8	100.3	112.0	127.7	148.4	155.2
75°	67.5	69.3	69.7	70.6	71.5	74.7	81.0	88.1	101.2	114.7	123.7
77.5°	53.5	53.1	54.0	55.3	54.9	57.6	61.6	67.9	76.5	87.7	93.5
80°	37.8	37.8	39.1	40.5	40.0	42.7	44.1	48.6	55.8	63.0	65.2
82.5°	25.2	25.2	26.5	26.5	27.4	27.9	29.7	31.9	37.8	41.4	42.7
85°	14.4	14.4	14.8	14.8	14.8	15.7	17.1	18.0	19.8	22.0	22.9
87.5°	5.8	6.3	6.3	6.3	6.3	7.2	7.2	8.1	8.5	9.4	9.4
90°	10.4	10.1	9.8	9.6	9.3	8.8	8.3	7.8	7.3	6.6	5.9
92.5°	9.9	9.8	9.7	9.6	9.3	8.8	8.3	7.8	7.3	6.7	6.1
95°	9.6	9.6	9.6	9.6	9.3	8.8	8.3	7.8	7.3	11.2	15.0
97.5°	9.4	9.3	9.2	9.1	9.0	8.8	8.6	8.4	8.2	17.9	27.5
100°	10.4	10.8	11.2	11.4	19.0	34.1	49.3	64.4	79.6	79.2	78.8
102.5°	86.6	95.1	103.6	107.9	107.8	107.6	107.4	107.2	107.0	106.8	106.6
105°	136.0	136.1	136.2	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.9	166.3	166.7	166.9	166.9	166.8	166.7	166.6	166.5	166.3	166.1
110°	195.5	195.4	195.3	195.3	195.4	195.7	196.0	196.3	196.6	196.4	196.2

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	223.6	223.8	224.0	224.1	224.3	224.7	225.1	225.5	225.9	225.8	225.7
115°	251.8	252.5	253.1	253.4	253.6	254.0	254.4	254.8	255.2	255.1	255.0
117.5°	280.7	281.0	281.2	281.3	281.6	282.2	282.8	283.4	284.0	283.6	283.2
120°	308.3	308.8	309.3	309.6	309.7	309.9	310.1	310.3	310.5	310.2	309.9
122.5°	334.1	334.8	335.4	335.7	335.8	336.0	336.2	336.4	336.6	336.5	336.4
125°	359.6	359.9	360.2	360.4	360.6	361.0	361.4	361.8	362.2	362.2	362.2
127.5°	382.1	383.0	383.8	384.2	384.3	384.5	384.7	384.9	385.1	385.2	385.3
130°	405.3	405.8	406.3	406.6	406.7	407.0	407.3	407.6	407.9	407.8	407.7
132.5°	427.2	427.7	428.2	428.5	428.5	428.5	428.5	428.5	428.5	428.8	429.1
135°	447.1	447.7	448.3	448.6	448.7	448.9	449.2	449.4	449.6	449.8	450.0
137.5°	467.5	468.0	468.5	468.8	468.8	468.8	468.8	468.8	468.8	469.0	469.2
140°	485.5	486.2	486.8	487.1	487.0	486.8	486.5	486.3	486.1	486.2	486.3
142.5°	502.4	503.1	503.7	504.0	504.0	504.0	504.0	504.0	504.0	503.8	503.6
145°	518.9	519.5	520.1	520.4	520.4	520.3	520.2	520.1	520.0	520.0	520.0
147.5°	532.8	533.5	534.2	534.6	534.6	534.5	534.4	534.3	534.2	534.1	534.0
150°	546.3	547.1	547.9	548.3	548.2	548.0	547.8	547.6	547.4	547.2	547.0
152.5°	558.4	559.1	559.8	560.2	560.1	559.9	559.7	559.5	559.3	559.1	558.9
155°	569.1	570.0	570.8	571.2	571.0	570.7	570.4	570.1	569.8	569.6	569.4
157.5°	578.3	579.1	579.9	580.3	580.2	579.9	579.6	579.3	579.0	579.0	579.0
160°	587.0	587.8	588.6	589.0	588.8	588.4	588.0	587.6	587.2	587.1	587.0
162.5°	595.0	595.9	596.8	597.3	597.0	596.4	595.7	595.1	594.5	594.4	594.3
165°	601.6	602.5	603.3	603.7	603.4	602.8	602.1	601.5	600.9	600.8	600.7
167.5°	606.9	607.8	608.7	609.2	608.8	608.1	607.4	606.7	606.0	605.9	605.8
170°	611.0	611.9	612.8	613.3	612.9	612.1	611.2	610.4	609.6	609.5	609.4
172.5°	613.7	614.6	615.5	616.0	615.6	614.9	614.2	613.5	612.8	612.6	612.4
175°	616.0	616.9	617.8	618.3	617.9	617.1	616.2	615.4	614.6	614.5	614.4
177.5°	617.2	618.0	618.8	619.2	618.8	618.1	617.4	616.7	616.0	615.9	615.8
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	545.1	542.8	540.1	540.1	537.0	535.6	532.9	532.0	529.8	526.2	523.5
5°	564.4	558.6	555.0	551.8	545.1	540.1	535.2	529.8	524.4	518.1	510.9
7.5°	583.3	572.5	567.6	562.2	552.3	541.9	532.0	524.8	517.7	507.8	498.8
10°	603.1	589.6	580.6	573.4	558.1	545.1	530.7	520.3	509.1	496.5	484.8
12.5°	619.7	602.2	594.6	581.1	563.5	547.8	529.8	514.1	499.2	484.4	470.0
15°	633.7	617.0	598.2	592.8	568.5	546.0	525.7	505.5	487.1	472.2	455.6
17.5°	638.2	617.0	607.6	594.6	565.8	542.4	516.8	494.7	477.2	455.1	442.1
20°	639.5	619.3	606.2	594.1	568.5	537.4	512.3	485.3	464.1	442.1	421.4
22.5°	635.9	612.1	599.5	587.8	559.0	532.5	503.3	473.6	448.8	428.6	407.9
25°	629.2	601.3	589.2	576.6	549.1	519.9	488.0	459.6	436.7	412.4	392.2
27.5°	620.2	588.3	574.3	561.3	534.3	506.9	476.7	447.5	421.9	396.2	377.3
30°	608.9	572.1	559.5	542.4	516.3	490.2	462.8	433.5	404.8	380.5	359.8
32.5°	594.6	555.9	539.2	523.0	494.7	470.9	444.8	417.4	389.5	365.6	344.1
35°	581.5	537.4	519.0	502.8	471.3	446.1	424.6	398.9	374.2	349.4	330.1
37.5°	564.0	519.0	497.0	480.3	448.4	422.8	402.5	382.7	356.6	332.8	314.8
40°	545.5	496.1	475.4	458.7	425.5	397.6	378.2	360.7	339.6	317.5	298.6
42.5°	528.9	474.0	452.0	431.8	398.0	373.3	353.5	340.0	320.7	300.9	283.8
45°	507.8	450.6	426.8	405.7	373.3	346.3	327.4	316.6	302.2	282.9	268.0
47.5°	486.2	425.5	400.7	380.0	345.0	321.1	302.7	292.3	282.4	267.1	252.3
50°	457.8	398.9	376.4	352.6	318.0	293.7	278.4	268.0	260.4	249.6	237.0
52.5°	426.8	371.5	347.2	326.5	292.3	270.3	252.8	246.9	239.3	231.2	220.4
55°	394.0	341.8	318.4	298.2	266.7	244.2	229.8	223.5	217.7	211.4	204.2
57.5°	361.1	310.8	288.7	270.7	241.5	219.9	208.2	199.7	195.6	192.0	186.2
60°	320.2	277.5	260.4	244.2	215.4	195.6	184.4	178.1	174.5	172.7	170.0
62.5°	284.2	249.2	230.3	214.5	191.6	174.0	163.3	158.3	155.2	154.3	151.1
65°	246.0	215.9	201.0	187.5	167.8	152.0	143.0	137.2	134.9	134.5	134.5
67.5°	210.0	185.7	170.9	161.5	144.4	130.4	121.9	119.6	118.3	116.5	116.0
70°	176.3	157.0	143.9	135.8	120.5	110.2	103.4	99.8	99.8	98.5	97.6
72.5°	146.6	127.3	118.7	112.0	99.4	90.4	85.5	84.6	81.4	81.0	81.0
75°	114.7	100.3	94.4	88.6	79.2	72.9	68.8	66.6	64.8	64.8	65.2
77.5°	86.4	76.5	71.1	66.6	59.8	55.8	52.6	51.7	49.9	49.9	49.9
80°	61.2	55.8	51.7	48.1	43.2	39.6	37.8	36.0	36.0	35.5	36.0
82.5°	39.6	35.1	32.8	32.4	27.9	26.5	24.3	24.7	23.4	22.9	23.8
85°	22.9	20.7	18.0	17.1	15.3	13.5	12.6	13.0	12.6	12.1	12.6
87.5°	9.0	7.6	7.2	7.2	5.8	5.4	4.9	5.4	4.5	4.5	4.9
90°	5.2	4.5	4.1	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	5.5	4.9	4.6	5.1	6.0	6.9	7.8	8.7	7.8	6.9	6.0
95°	18.9	22.8	24.7	24.9	25.2	25.5	25.8	26.1	25.8	25.5	25.2
97.5°	37.2	46.9	51.7	51.4	50.8	50.1	49.5	48.9	49.5	50.1	50.8
100°	78.3	77.9	77.7	77.6	77.3	77.0	76.7	76.4	76.7	77.0	77.3
102.5°	106.4	106.2	106.1	105.9	105.5	105.1	104.7	104.3	104.7	105.1	105.5
105°	136.3	136.3	136.3	136.1	135.7	135.3	134.9	134.5	134.9	135.3	135.7
107.5°	165.9	165.7	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
110°	196.0	195.8	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7



TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	225.6	225.5	225.5	225.3	225.0	224.7	224.4	224.1	224.4	224.7	225.0
115°	254.9	254.8	254.7	254.4	253.9	253.4	252.9	252.4	252.9	253.4	253.9
117.5°	282.8	282.4	282.2	282.2	282.2	282.2	282.2	282.2	282.2	282.2	282.2
120°	309.6	309.3	309.2	309.2	309.3	309.4	309.5	309.6	309.5	309.4	309.3
122.5°	336.3	336.2	336.1	335.8	335.3	334.8	334.3	333.8	334.3	334.8	335.3
125°	362.2	362.2	362.2	361.8	361.1	360.4	359.7	359.0	359.7	360.4	361.1
127.5°	385.4	385.5	385.5	385.2	384.7	384.2	383.7	383.2	383.7	384.2	384.7
130°	407.6	407.5	407.5	407.2	406.7	406.2	405.7	405.2	405.7	406.2	406.7
132.5°	429.4	429.7	429.9	429.6	429.0	428.3	427.7	427.1	427.7	428.3	429.0
135°	450.2	450.4	450.5	450.2	449.6	448.9	448.3	447.7	448.3	448.9	449.6
137.5°	469.4	469.6	469.7	469.4	468.8	468.1	467.5	466.9	467.5	468.1	468.8
140°	486.4	486.5	486.6	486.5	486.3	486.1	485.9	485.7	485.9	486.1	486.3
142.5°	503.4	503.2	503.1	503.0	502.9	502.8	502.7	502.6	502.7	502.8	502.9
145°	520.0	520.0	520.0	519.9	519.7	519.5	519.3	519.1	519.3	519.5	519.7
147.5°	533.9	533.8	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7
150°	546.8	546.6	546.5	546.6	546.8	547.0	547.2	547.4	547.2	547.0	546.8
152.5°	558.7	558.5	558.4	558.7	559.2	559.7	560.2	560.7	560.2	559.7	559.2
155°	569.2	569.0	568.9	569.2	569.8	570.5	571.1	571.7	571.1	570.5	569.8
157.5°	579.0	579.0	579.0	579.1	579.4	579.7	580.0	580.3	580.0	579.7	579.4
160°	586.9	586.8	586.7	587.0	587.6	588.3	588.9	589.5	588.9	588.3	587.6
162.5°	594.2	594.1	594.1	594.4	595.0	595.6	596.2	596.8	596.2	595.6	595.0
165°	600.6	600.5	600.5	600.8	601.4	602.0	602.6	603.2	602.6	602.0	601.4
167.5°	605.7	605.6	605.5	605.8	606.4	607.0	607.6	608.2	607.6	607.0	606.4
170°	609.3	609.2	609.2	609.6	610.3	611.0	611.7	612.4	611.7	611.0	610.3
172.5°	612.2	612.0	611.9	612.3	613.0	613.7	614.4	615.1	614.4	613.7	613.0
175°	614.3	614.2	614.2	614.5	615.1	615.7	616.3	616.9	616.3	615.7	615.1
177.5°	615.7	615.6	615.6	615.9	616.5	617.1	617.7	618.3	617.7	617.1	616.5
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	522.6	521.7	519.4	518.1	513.6	508.2	506.4	501.9	503.7	500.6	500.6
5°	508.7	504.6	501.9	497.9	489.3	483.5	477.2	474.0	472.2	470.0	468.2
7.5°	490.7	487.5	484.8	477.2	467.7	459.6	452.0	448.8	443.0	438.9	437.1
10°	474.9	470.4	464.1	455.1	445.2	434.9	428.2	421.4	416.9	414.7	409.7
12.5°	458.7	453.3	446.6	433.5	422.8	416.5	404.3	398.0	395.8	394.0	388.1
15°	442.1	436.2	428.2	416.0	406.6	391.7	384.5	379.6	374.2	373.7	369.2
17.5°	427.3	420.1	413.3	398.5	386.8	373.7	369.7	364.3	359.3	353.9	351.7
20°	408.4	401.6	396.7	380.5	367.4	359.3	352.6	348.1	345.0	339.6	338.7
22.5°	391.3	384.1	377.3	365.2	353.9	343.6	335.5	330.6	329.2	327.0	322.9
25°	374.6	367.4	359.3	348.1	336.4	329.2	322.0	318.9	316.2	312.6	309.4
27.5°	360.7	353.9	346.3	332.4	322.5	317.1	309.4	305.8	302.2	300.4	299.1
30°	344.1	336.4	330.6	319.8	309.0	301.8	296.4	293.2	290.1	288.3	287.4
32.5°	327.9	320.7	316.6	304.9	296.4	287.8	283.8	281.5	279.7	277.9	276.1
35°	314.8	307.6	301.3	290.5	282.0	276.1	273.0	269.4	268.0	266.2	266.2
37.5°	298.6	293.2	286.9	276.6	268.9	264.4	261.7	257.3	256.8	255.9	254.6
40°	284.7	279.3	273.4	264.4	257.7	252.3	248.7	246.5	245.1	244.2	243.3
42.5°	269.8	264.0	261.3	251.0	245.1	239.7	237.9	235.7	235.2	233.4	231.2
45°	255.5	250.5	245.1	237.5	232.5	228.0	225.3	223.5	221.3	220.8	219.5
47.5°	242.9	237.0	232.1	224.9	219.5	215.9	213.6	211.4	209.6	208.2	206.9
50°	226.7	222.2	218.1	210.5	206.0	202.4	199.2	197.4	195.6	195.6	195.6
52.5°	210.9	206.9	203.3	197.9	192.5	189.3	185.7	184.4	183.5	182.1	183.5
55°	195.6	191.6	188.0	183.9	177.6	174.9	171.4	170.0	170.5	170.5	171.8
57.5°	179.4	176.3	174.0	169.1	163.3	160.6	158.3	157.0	157.0	158.8	159.2
60°	163.7	160.6	156.5	152.0	148.4	145.3	143.9	144.4	144.4	145.3	147.5
62.5°	146.2	144.4	142.1	135.8	133.6	131.3	129.5	130.9	130.4	132.7	135.8
65°	130.0	128.2	125.0	121.9	119.2	116.9	116.5	116.9	117.8	120.1	123.7
67.5°	112.0	112.0	109.3	106.6	104.3	102.1	102.5	103.0	103.9	106.6	112.0
70°	97.1	95.3	92.6	90.8	89.0	88.1	87.2	89.0	91.7	93.5	97.6
72.5°	81.0	79.6	77.4	75.6	75.1	74.2	73.8	74.7	77.4	80.5	85.0
75°	63.9	64.3	63.0	61.6	61.6	60.3	61.2	61.2	63.9	67.0	70.6
77.5°	49.5	49.0	48.6	47.7	47.2	47.2	47.2	48.1	50.8	52.6	56.2
80°	35.1	35.5	34.2	34.6	34.2	34.6	34.6	36.4	37.8	40.0	42.7
82.5°	23.4	23.4	22.5	22.9	22.9	22.9	23.4	24.3	26.1	27.9	29.7
85°	13.0	13.5	12.6	13.5	13.5	13.5	13.9	14.4	15.7	16.2	18.0
87.5°	4.9	5.8	5.8	4.9	5.4	5.8	6.3	5.8	6.7	7.6	8.1
90°	3.7	4.1	4.5	5.2	5.9	6.6	7.3	7.8	8.3	8.8	9.3
92.5°	5.1	4.6	4.9	5.5	6.1	6.7	7.3	7.8	8.3	8.8	9.3
95°	24.9	24.7	22.8	18.9	15.0	11.2	7.3	7.8	8.3	8.8	9.3
97.5°	51.4	51.7	46.9	37.2	27.5	17.9	8.2	8.4	8.6	8.8	9.0
100°	77.6	77.7	77.9	78.3	78.8	79.2	79.6	64.4	49.3	34.1	19.0
102.5°	105.9	106.1	106.2	106.4	106.6	106.8	107.0	107.2	107.4	107.6	107.8
105°	136.1	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3
107.5°	165.6	165.6	165.7	165.9	166.1	166.3	166.5	166.6	166.7	166.8	166.9
110°	195.7	195.7	195.8	196.0	196.2	196.4	196.6	196.3	196.0	195.7	195.4

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	225.3	225.5	225.5	225.6	225.7	225.8	225.9	225.5	225.1	224.7	224.3
115°	254.4	254.7	254.8	254.9	255.0	255.1	255.2	254.8	254.4	254.0	253.6
117.5°	282.2	282.2	282.4	282.8	283.2	283.6	284.0	283.4	282.8	282.2	281.6
120°	309.2	309.2	309.3	309.6	309.9	310.2	310.5	310.3	310.1	309.9	309.7
122.5°	335.8	336.1	336.2	336.3	336.4	336.5	336.6	336.4	336.2	336.0	335.8
125°	361.8	362.2	362.2	362.2	362.2	362.2	362.2	361.8	361.4	361.0	360.6
127.5°	385.2	385.5	385.5	385.4	385.3	385.2	385.1	384.9	384.7	384.5	384.3
130°	407.2	407.5	407.5	407.6	407.7	407.8	407.9	407.6	407.3	407.0	406.7
132.5°	429.6	429.9	429.7	429.4	429.1	428.8	428.5	428.5	428.5	428.5	428.5
135°	450.2	450.5	450.4	450.2	450.0	449.8	449.6	449.4	449.2	448.9	448.7
137.5°	469.4	469.7	469.6	469.4	469.2	469.0	468.8	468.8	468.8	468.8	468.8
140°	486.5	486.6	486.5	486.4	486.3	486.2	486.1	486.3	486.5	486.8	487.0
142.5°	503.0	503.1	503.2	503.4	503.6	503.8	504.0	504.0	504.0	504.0	504.0
145°	519.9	520.0	520.0	520.0	520.0	520.0	520.0	520.1	520.2	520.3	520.4
147.5°	533.7	533.7	533.8	533.9	534.0	534.1	534.2	534.3	534.4	534.5	534.6
150°	546.6	546.5	546.6	546.8	547.0	547.2	547.4	547.6	547.8	548.0	548.2
152.5°	558.7	558.4	558.5	558.7	558.9	559.1	559.3	559.5	559.7	559.9	560.1
155°	569.2	568.9	569.0	569.2	569.4	569.6	569.8	570.1	570.4	570.7	571.0
157.5°	579.1	579.0	579.0	579.0	579.0	579.0	579.0	579.3	579.6	579.9	580.2
160°	587.0	586.7	586.8	586.9	587.0	587.1	587.2	587.6	588.0	588.4	588.8
162.5°	594.4	594.1	594.1	594.2	594.3	594.4	594.5	595.1	595.7	596.4	597.0
165°	600.8	600.5	600.5	600.6	600.7	600.8	600.9	601.5	602.1	602.8	603.4
167.5°	605.8	605.5	605.6	605.7	605.8	605.9	606.0	606.7	607.4	608.1	608.8
170°	609.6	609.2	609.2	609.3	609.4	609.5	609.6	610.4	611.2	612.1	612.9
172.5°	612.3	611.9	612.0	612.2	612.4	612.6	612.8	613.5	614.2	614.9	615.6
175°	614.5	614.2	614.2	614.3	614.4	614.5	614.6	615.4	616.2	617.1	617.9
177.5°	615.9	615.6	615.6	615.7	615.8	615.9	616.0	616.7	617.4	618.1	618.8
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	502.4	499.2	498.8	499.7	497.9	500.6	499.7	500.6	498.3	500.6	499.2
5°	467.7	466.8	465.0	462.8	463.2	463.7	465.9	463.7	465.5	465.9	468.2
7.5°	435.3	433.5	434.9	434.0	430.0	429.1	430.0	431.3	434.0	435.8	437.1
10°	409.3	408.4	406.6	405.2	403.0	401.6	403.4	401.6	405.2	408.4	408.4
12.5°	389.5	385.9	383.6	383.2	378.2	379.1	380.9	382.3	386.3	388.1	388.1
15°	368.8	366.1	365.2	363.4	361.6	363.4	362.5	363.8	365.6	367.4	368.3
17.5°	350.8	350.3	350.8	346.3	347.6	345.4	345.8	348.1	346.7	348.1	350.8
20°	334.6	335.5	334.2	332.4	332.4	329.7	332.8	331.9	332.4	335.1	339.1
22.5°	322.5	322.0	320.7	319.3	317.5	318.0	318.4	317.5	321.1	323.4	323.8
25°	309.4	308.5	308.1	306.7	304.9	306.7	306.3	306.7	307.6	311.2	308.5
27.5°	297.3	295.5	296.4	295.0	294.6	295.0	295.0	295.5	296.4	296.8	297.3
30°	286.9	285.1	284.7	283.8	283.3	283.8	284.7	283.8	287.4	286.9	286.9
32.5°	275.7	274.3	273.4	273.4	273.0	272.5	273.0	273.4	276.1	274.3	276.1
35°	264.9	264.0	264.0	263.1	262.6	262.6	262.6	264.4	263.5	264.9	264.9
37.5°	254.6	254.6	254.1	253.2	252.8	253.2	252.8	253.7	253.2	253.7	254.1
40°	243.8	242.9	242.4	242.4	241.1	239.7	241.1	241.1	241.5	242.9	243.3
42.5°	230.7	231.2	231.2	229.4	229.4	229.4	229.8	230.3	230.3	231.2	231.2
45°	219.5	218.6	218.6	218.6	217.7	218.1	219.0	219.0	219.0	219.0	218.1
47.5°	206.9	206.9	207.3	207.3	208.7	208.2	208.2	207.8	206.9	206.9	207.3
50°	195.2	196.5	197.0	197.0	197.4	197.9	197.9	197.0	196.5	195.2	195.2
52.5°	183.9	184.8	185.7	187.1	188.0	187.5	187.5	186.6	184.8	184.4	183.9
55°	171.8	173.1	174.9	176.3	177.6	178.1	178.1	176.3	174.5	172.3	172.3
57.5°	160.6	161.9	165.1	166.4	168.2	168.2	167.3	166.0	163.3	161.5	160.1
60°	149.3	151.6	153.8	156.5	158.8	159.2	157.9	156.1	152.9	150.7	148.9
62.5°	137.2	139.4	143.9	146.6	148.4	148.4	148.4	146.2	142.1	139.0	136.3
65°	125.5	127.7	131.8	135.4	136.7	138.1	136.7	134.5	131.3	127.7	125.0
67.5°	113.3	116.0	120.1	122.8	124.6	125.9	125.0	123.2	119.2	114.2	112.4
70°	99.8	101.2	107.0	109.7	112.4	113.3	112.4	109.7	105.7	100.3	98.5
72.5°	87.2	88.6	94.0	96.2	98.5	99.4	98.0	96.2	92.6	87.7	85.5
75°	72.9	75.1	77.8	81.4	84.1	85.0	83.7	82.3	77.8	74.7	72.9
77.5°	57.6	59.8	63.4	66.6	69.3	68.8	67.0	67.5	62.5	58.9	57.6
80°	43.6	45.4	48.1	50.8	52.2	52.2	51.7	49.9	48.1	45.4	43.2
82.5°	30.1	32.4	34.6	36.4	36.4	36.9	36.0	35.5	33.7	31.5	31.0
85°	18.0	18.4	20.2	20.2	22.0	21.1	20.7	22.0	20.2	18.9	18.4
87.5°	8.1	7.6	8.1	8.1	7.6	8.5	8.5	8.1	8.5	8.1	8.1
90°	9.6	9.8	10.1	10.4	10.7	11.0	10.7	10.4	10.1	9.8	9.6
92.5°	9.6	9.7	9.8	9.9	10.0	10.1	10.0	9.9	9.8	9.7	9.6
95°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
97.5°	9.1	9.2	9.3	9.4	9.5	9.6	9.5	9.4	9.3	9.2	9.1
100°	11.4	11.2	10.8	10.4	10.0	9.6	10.0	10.4	10.8	11.2	11.4
102.5°	107.9	103.6	95.1	86.6	78.0	69.5	78.0	86.6	95.1	103.6	107.9
105°	136.3	136.2	136.1	136.0	135.9	135.8	135.9	136.0	136.1	136.2	136.3
107.5°	166.9	166.7	166.3	165.9	165.5	165.1	165.5	165.9	166.3	166.7	166.9
110°	195.3	195.3	195.4	195.5	195.6	195.7	195.6	195.5	195.4	195.3	195.3

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	224.1	224.0	223.8	223.6	223.4	223.2	223.4	223.6	223.8	224.0	224.1
115°	253.4	253.1	252.5	251.8	251.2	250.6	251.2	251.8	252.5	253.1	253.4
117.5°	281.3	281.2	281.0	280.7	280.5	280.3	280.5	280.7	281.0	281.2	281.3
120°	309.6	309.3	308.8	308.3	307.8	307.3	307.8	308.3	308.8	309.3	309.6
122.5°	335.7	335.4	334.8	334.1	333.5	332.9	333.5	334.1	334.8	335.4	335.7
125°	360.4	360.2	359.9	359.6	359.3	359.0	359.3	359.6	359.9	360.2	360.4
127.5°	384.2	383.8	383.0	382.1	381.3	380.5	381.3	382.1	383.0	383.8	384.2
130°	406.6	406.3	405.8	405.3	404.8	404.3	404.8	405.3	405.8	406.3	406.6
132.5°	428.5	428.2	427.7	427.2	426.7	426.2	426.7	427.2	427.7	428.2	428.5
135°	448.6	448.3	447.7	447.1	446.5	445.9	446.5	447.1	447.7	448.3	448.6
137.5°	468.8	468.5	468.0	467.5	467.0	466.5	467.0	467.5	468.0	468.5	468.8
140°	487.1	486.8	486.2	485.5	484.9	484.3	484.9	485.5	486.2	486.8	487.1
142.5°	504.0	503.7	503.1	502.4	501.8	501.2	501.8	502.4	503.1	503.7	504.0
145°	520.4	520.1	519.5	518.9	518.3	517.7	518.3	518.9	519.5	520.1	520.4
147.5°	534.6	534.2	533.5	532.8	532.1	531.4	532.1	532.8	533.5	534.2	534.6
150°	548.3	547.9	547.1	546.3	545.5	544.7	545.5	546.3	547.1	547.9	548.3
152.5°	560.2	559.8	559.1	558.4	557.7	557.0	557.7	558.4	559.1	559.8	560.2
155°	571.2	570.8	570.0	569.1	568.3	567.5	568.3	569.1	570.0	570.8	571.2
157.5°	580.3	579.9	579.1	578.3	577.5	576.7	577.5	578.3	579.1	579.9	580.3
160°	589.0	588.6	587.8	587.0	586.2	585.4	586.2	587.0	587.8	588.6	589.0
162.5°	597.3	596.8	595.9	595.0	594.1	593.2	594.1	595.0	595.9	596.8	597.3
165°	603.7	603.3	602.5	601.6	600.8	600.0	600.8	601.6	602.5	603.3	603.7
167.5°	609.2	608.7	607.8	606.9	605.9	605.0	605.9	606.9	607.8	608.7	609.2
170°	613.3	612.8	611.9	611.0	610.1	609.2	610.1	611.0	611.9	612.8	613.3
172.5°	616.0	615.5	614.6	613.7	612.8	611.9	612.8	613.7	614.6	615.5	616.0
175°	618.3	617.8	616.9	616.0	615.1	614.2	615.1	616.0	616.9	617.8	618.3
177.5°	619.2	618.8	618.0	617.2	616.4	615.6	616.4	617.2	618.0	618.8	619.2
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	503.3	500.6	503.7	499.7	500.6	505.5	505.1	509.6	512.3	511.8	514.1
5°	470.0	470.0	471.3	470.9	475.4	479.4	484.8	489.3	494.3	497.0	500.1
7.5°	437.1	441.6	442.5	444.8	450.2	456.9	462.3	469.1	476.3	481.2	484.8
10°	410.2	413.8	417.4	419.2	425.0	434.0	441.6	452.4	461.4	466.8	471.8
12.5°	386.3	390.4	392.2	400.3	404.3	410.2	421.0	432.6	442.5	448.4	452.4
15°	369.2	371.5	375.5	380.5	384.5	391.7	400.7	413.8	423.2	428.2	442.1
17.5°	354.8	357.5	359.8	362.0	368.3	376.0	384.5	395.8	407.9	416.5	423.7
20°	340.0	341.4	344.1	347.6	352.1	359.3	367.0	378.7	389.5	396.2	405.7
22.5°	322.5	326.5	329.2	331.9	336.9	345.0	352.1	360.7	374.2	381.8	391.7
25°	312.1	313.9	315.7	318.9	322.5	329.7	337.8	346.7	357.5	365.6	374.2
27.5°	298.6	301.3	303.6	307.6	309.9	315.7	323.4	332.4	345.4	352.1	359.3
30°	287.4	290.1	291.9	293.7	296.8	303.1	310.3	317.5	329.7	338.2	345.4
32.5°	276.1	278.8	281.1	282.4	285.6	289.6	295.5	304.5	314.8	320.7	330.1
35°	266.2	266.2	268.9	270.7	273.4	277.0	282.4	289.2	300.0	307.6	316.2
37.5°	255.0	255.5	257.7	259.1	261.7	265.3	270.7	277.0	286.0	291.9	300.4
40°	243.3	244.7	245.6	247.8	251.0	252.3	257.7	264.9	273.9	279.3	286.5
42.5°	231.6	232.5	234.8	236.6	239.3	241.5	245.1	251.9	258.6	266.7	272.5
45°	218.6	220.8	222.2	225.3	226.7	228.9	232.5	237.9	246.0	251.0	257.7
47.5°	207.3	208.2	209.1	213.2	215.9	217.2	220.8	224.0	232.5	237.0	243.3
50°	195.2	195.2	196.5	198.3	201.5	204.2	207.3	210.9	217.7	222.2	228.5
52.5°	183.9	182.6	183.5	184.4	187.5	190.2	193.4	198.3	204.6	207.3	212.7
55°	171.8	169.6	170.9	172.3	173.1	176.7	180.3	183.5	188.4	192.5	197.4
57.5°	158.8	158.3	157.4	157.9	160.1	162.4	165.1	169.1	174.9	178.1	180.8
60°	147.1	144.4	143.5	144.4	145.7	147.1	150.7	154.3	159.2	162.4	165.5
62.5°	134.9	132.2	130.4	129.1	130.4	133.6	135.8	138.5	142.6	146.2	148.9
65°	123.2	119.2	117.4	116.5	116.0	118.3	120.1	123.7	127.3	128.6	131.8
67.5°	110.2	106.6	104.3	103.0	103.0	103.0	104.8	108.4	112.0	112.4	115.6
70°	97.1	93.1	90.8	89.0	88.1	89.0	91.3	91.7	94.9	95.8	97.6
72.5°	83.2	79.6	76.9	74.7	75.1	76.0	76.0	76.9	78.7	81.0	81.0
75°	70.2	65.2	63.9	62.1	61.2	61.2	61.2	63.0	64.3	66.1	65.7
77.5°	55.3	52.6	49.9	49.0	47.7	47.2	48.1	48.1	49.0	50.4	50.8
80°	42.7	39.6	37.8	36.9	35.1	34.6	35.1	35.1	36.4	36.0	36.4
82.5°	29.7	27.4	26.1	24.7	23.8	24.3	23.8	23.8	24.3	23.8	23.8
85°	17.1	16.6	15.7	15.3	14.8	13.9	14.8	14.4	13.9	13.5	14.4
87.5°	8.1	7.6	7.6	6.7	6.7	6.3	6.7	6.7	6.3	6.3	6.3
90°	9.3	8.8	8.3	7.8	7.3	6.6	5.9	5.2	4.5	4.1	3.7
92.5°	9.3	8.8	8.3	7.8	7.3	6.7	6.1	5.5	4.9	4.6	5.1
95°	9.3	8.8	8.3	7.8	7.3	11.2	15.0	18.9	22.8	24.7	24.9
97.5°	9.0	8.8	8.6	8.4	8.2	17.9	27.5	37.2	46.9	51.7	51.4
100°	19.0	34.1	49.3	64.4	79.6	79.2	78.8	78.3	77.9	77.7	77.6
102.5°	107.8	107.6	107.4	107.2	107.0	106.8	106.6	106.4	106.2	106.1	105.9
105°	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.3	136.1
107.5°	166.9	166.8	166.7	166.6	166.5	166.3	166.1	165.9	165.7	165.6	165.6
110°	195.4	195.7	196.0	196.3	196.6	196.4	196.2	196.0	195.8	195.7	195.7

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	224.3	224.7	225.1	225.5	225.9	225.8	225.7	225.6	225.5	225.5	225.3
115°	253.6	254.0	254.4	254.8	255.2	255.1	255.0	254.9	254.8	254.7	254.4
117.5°	281.6	282.2	282.8	283.4	284.0	283.6	283.2	282.8	282.4	282.2	282.2
120°	309.7	309.9	310.1	310.3	310.5	310.2	309.9	309.6	309.3	309.2	309.2
122.5°	335.8	336.0	336.2	336.4	336.6	336.5	336.4	336.3	336.2	336.1	335.8
125°	360.6	361.0	361.4	361.8	362.2	362.2	362.2	362.2	362.2	362.2	361.8
127.5°	384.3	384.5	384.7	384.9	385.1	385.2	385.3	385.4	385.5	385.5	385.2
130°	406.7	407.0	407.3	407.6	407.9	407.8	407.7	407.6	407.5	407.5	407.2
132.5°	428.5	428.5	428.5	428.5	428.5	428.8	429.1	429.4	429.7	429.9	429.6
135°	448.7	448.9	449.2	449.4	449.6	449.8	450.0	450.2	450.4	450.5	450.2
137.5°	468.8	468.8	468.8	468.8	468.8	469.0	469.2	469.4	469.6	469.7	469.4
140°	487.0	486.8	486.5	486.3	486.1	486.2	486.3	486.4	486.5	486.6	486.5
142.5°	504.0	504.0	504.0	504.0	504.0	503.8	503.6	503.4	503.2	503.1	503.0
145°	520.4	520.3	520.2	520.1	520.0	520.0	520.0	520.0	520.0	520.0	519.9
147.5°	534.6	534.5	534.4	534.3	534.2	534.1	534.0	533.9	533.8	533.7	533.7
150°	548.2	548.0	547.8	547.6	547.4	547.2	547.0	546.8	546.6	546.5	546.6
152.5°	560.1	559.9	559.7	559.5	559.3	559.1	558.9	558.7	558.5	558.4	558.7
155°	571.0	570.7	570.4	570.1	569.8	569.6	569.4	569.2	569.0	568.9	569.2
157.5°	580.2	579.9	579.6	579.3	579.0	579.0	579.0	579.0	579.0	579.0	579.1
160°	588.8	588.4	588.0	587.6	587.2	587.1	587.0	586.9	586.8	586.7	587.0
162.5°	597.0	596.4	595.7	595.1	594.5	594.4	594.3	594.2	594.1	594.1	594.4
165°	603.4	602.8	602.1	601.5	600.9	600.8	600.7	600.6	600.5	600.5	600.8
167.5°	608.8	608.1	607.4	606.7	606.0	605.9	605.8	605.7	605.6	605.5	605.8
170°	612.9	612.1	611.2	610.4	609.6	609.5	609.4	609.3	609.2	609.2	609.6
172.5°	615.6	614.9	614.2	613.5	612.8	612.6	612.4	612.2	612.0	611.9	612.3
175°	617.9	617.1	616.2	615.4	614.6	614.5	614.4	614.3	614.2	614.2	614.5
177.5°	618.8	618.1	617.4	616.7	616.0	615.9	615.8	615.7	615.6	615.6	615.9
180°	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9	616.9

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	529.8	529.8	529.8	529.8
2.5°	517.2	521.7	524.8	530.7
5°	505.5	513.6	521.2	529.3
7.5°	493.8	503.3	515.4	525.7
10°	480.8	492.9	507.3	521.2
12.5°	467.7	482.1	497.9	516.3
15°	452.0	470.4	488.9	508.7
17.5°	438.0	456.9	476.7	501.5
20°	422.3	443.0	464.6	489.8
22.5°	408.4	431.3	453.8	480.3
25°	392.6	415.1	439.8	468.2
27.5°	379.6	400.3	424.6	455.1
30°	363.8	386.3	410.6	441.2
32.5°	349.0	370.6	396.2	426.4
35°	333.7	355.7	378.7	407.5
37.5°	319.3	338.2	361.1	388.6
40°	303.1	323.8	344.5	366.1
42.5°	288.3	307.2	326.5	343.6
45°	271.6	287.8	306.3	320.2
47.5°	256.4	270.7	285.1	295.9
50°	241.1	252.3	263.1	272.5
52.5°	223.1	235.7	241.5	247.4
55°	206.9	214.1	219.5	225.3
57.5°	191.1	194.3	197.0	202.4
60°	170.5	174.0	177.2	181.2
62.5°	152.5	154.3	155.2	159.2
65°	135.4	134.9	137.2	139.4
67.5°	116.9	116.5	118.7	119.6
70°	98.9	98.5	98.9	101.2
72.5°	81.9	81.9	82.3	83.2
75°	66.1	66.1	66.6	67.5
77.5°	49.9	50.8	50.4	52.2
80°	36.4	35.5	36.4	37.3
82.5°	23.8	24.7	24.7	23.8
85°	13.5	13.5	13.5	13.5
87.5°	5.8	5.8	6.3	6.7
90°	2.9	2.1	1.3	0.5
92.5°	6.0	6.9	7.8	8.7
95°	25.2	25.5	25.8	26.1
97.5°	50.8	50.1	49.5	48.9
100°	77.3	77.0	76.7	76.4
102.5°	105.5	105.1	104.7	104.3
105°	135.7	135.3	134.9	134.5
107.5°	165.6	165.6	165.6	165.6
110°	195.7	195.7	195.7	195.7

TEST NUMBER: P1034511

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	225.0	224.7	224.4	224.1
115°	253.9	253.4	252.9	252.4
117.5°	282.2	282.2	282.2	282.2
120°	309.3	309.4	309.5	309.6
122.5°	335.3	334.8	334.3	333.8
125°	361.1	360.4	359.7	359.0
127.5°	384.7	384.2	383.7	383.2
130°	406.7	406.2	405.7	405.2
132.5°	429.0	428.3	427.7	427.1
135°	449.6	448.9	448.3	447.7
137.5°	468.8	468.1	467.5	466.9
140°	486.3	486.1	485.9	485.7
142.5°	502.9	502.8	502.7	502.6
145°	519.7	519.5	519.3	519.1
147.5°	533.7	533.7	533.7	533.7
150°	546.8	547.0	547.2	547.4
152.5°	559.2	559.7	560.2	560.7
155°	569.8	570.5	571.1	571.7
157.5°	579.4	579.7	580.0	580.3
160°	587.6	588.3	588.9	589.5
162.5°	595.0	595.6	596.2	596.8
165°	601.4	602.0	602.6	603.2
167.5°	606.4	607.0	607.6	608.2
170°	610.3	611.0	611.7	612.4
172.5°	613.0	613.7	614.4	615.1
175°	615.1	615.7	616.3	616.9
177.5°	616.5	617.1	617.7	618.3
180°	616.9	616.9	616.9	616.9

(END OF REPORT)