

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: P1034509

Luminaire Tested: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1034509
REPORT IS A COMBINATION OF REPORTS P1003586 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-A1_5000K
Description: Define 5 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

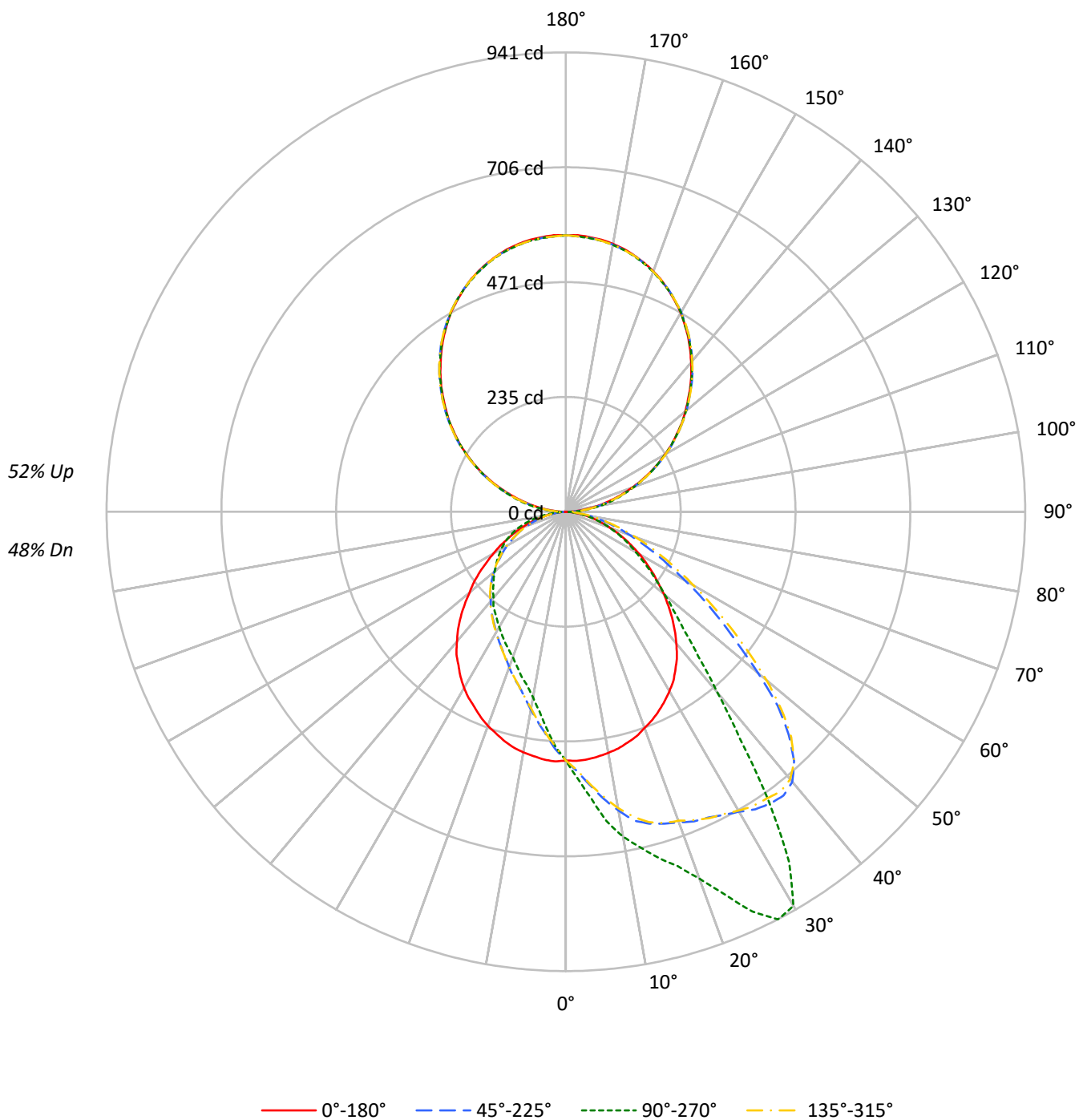
Lumens per Lamp: N/A
Luminaire Lumens: 3019.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54			48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46			41
2	89	82	76	71	82	75	70	66	64	60	56	53	50	48	43	41	39			34
3	81	72	65	59	74	66	60	55	56	51	48	47	43	40	38	35	33			29
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29			25
5	68	57	49	43	63	53	46	40	45	39	35	37	33	30	31	28	25			22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22			19
7	58	46	38	33	53	43	36	31	37	31	27	31	27	23	25	22	20			17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18			15
9	50	38	31	26	46	35	29	24	31	25	21	26	22	19	21	18	16			14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14			13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3265	3265	3265	3265
5°	3268	3704	3270	2810
10°	3248	4221	3242	2412
15°	3224	4577	3204	2179
20°	3183	5016	3154	1990
25°	3147	5748	3089	1877
30°	3095	6063	3041	1776
35°	3013	4860	2950	1693
40°	2884	3359	2842	1608
45°	2723	2501	2692	1535
50°	2538	2059	2495	1478
55°	2337	1756	2319	1428
60°	2141	1503	2104	1389
65°	1930	1298	1898	1333
70°	1706	1078	1683	1234
75°	1470	834	1449	1072
80°	1160	564	1118	788
85°	743	282	715	401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 4987 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.6
10°-20°	146.1	4.8
20°-30°	237.3	7.9
30°-40°	290.0	9.6
40°-50°	263.1	8.7
50°-60°	209.5	6.9
60°-70°	145.9	4.8
70°-80°	77.7	2.6
80°-90°	20.2	0.7
90°-100°	37.7	1.2
100°-110°	111.9	3.7
110°-120°	189.7	6.3
120°-130°	249.7	8.3
130°-140°	279.8	9.3
140°-150°	274.3	9.1
150°-160°	230.4	7.6
160°-170°	153.1	5.1
170°-180°	53.6	1.8
0°-30°	432.4	14.3
0°-40°	722.4	23.9
0°-60°	1195.0	39.6
0°-90°	1438.9	47.7
90°-120°	339.2	11.2
90°-150°	1143.0	37.9
90°-180°	1580.0	52.3
0°-180°	3019.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	510	510	510	510	510	
5°	509	588	510	446	509	48
15°	489	734	486	350	489	138
25°	450	903	442	295	450	207
35°	392	725	384	253	392	245
45°	308	342	304	210	308	237
55°	217	211	215	171	217	194
65°	134	129	132	133	134	133
75°	65	64	64	82	65	69
85°	13	14	12	20	13	16
90°	0	11	0	11	0	3
95°	29	38	29	38	29	30
105°	100	109	100	109	100	107
115°	190	192	190	192	190	188
125°	277	279	277	279	277	248
135°	360	362	360	362	360	278
145°	437	438	437	438	437	273
155°	500	500	500	500	500	230
165°	543	542	543	542	543	153
175°	565	563	565	563	565	54
180°	566	566	566	566	566	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	510.5	513.5	516.9	519.5	523.9	525.2	527.3	528.6	529.9	531.2	532.1
5°	509.2	516.5	523.0	527.8	536.0	539.0	542.9	547.7	553.3	558.0	561.1
7.5°	505.7	517.4	526.0	535.5	546.8	554.2	558.0	568.0	577.1	584.0	593.1
10°	501.4	515.2	528.6	542.9	558.9	567.1	574.9	588.8	601.3	612.6	621.6
12.5°	496.6	513.5	529.5	548.1	569.7	579.7	584.9	608.7	624.2	630.3	648.0
15°	489.3	509.2	532.1	555.0	573.2	584.9	599.1	618.2	633.7	647.2	661.4
17.5°	482.3	504.0	527.3	552.9	579.2	594.4	605.2	622.1	638.9	656.2	669.7
20°	471.1	499.2	523.0	550.3	581.4	592.2	603.5	623.4	641.5	660.1	677.0
22.5°	462.0	488.8	521.3	547.2	573.6	584.4	598.3	619.0	640.7	661.9	686.5
25°	450.3	480.2	508.3	536.0	563.2	574.9	587.5	614.3	636.8	664.0	691.3
27.5°	437.8	468.5	496.6	521.7	547.2	563.2	576.6	604.8	634.6	664.5	699.9
30°	424.4	453.4	480.2	504.8	533.0	549.4	562.8	595.7	629.0	667.1	709.5
32.5°	410.1	437.4	460.3	485.4	515.2	530.4	548.5	584.4	623.8	669.2	722.4
35°	391.9	417.9	438.2	463.7	493.6	513.1	532.1	572.3	618.2	668.8	729.8
37.5°	373.8	394.1	413.6	440.8	475.4	493.2	513.1	557.2	609.5	667.5	732.8
40°	352.1	372.0	388.9	416.6	452.9	473.3	494.0	540.3	599.6	662.7	722.0
42.5°	330.5	347.4	366.0	395.0	430.0	451.6	473.7	525.2	586.6	648.9	692.1
45°	308.0	321.0	341.3	367.7	404.9	425.7	450.8	506.6	568.4	623.8	645.4
47.5°	284.6	297.6	316.7	342.2	379.0	403.6	427.4	483.2	545.5	588.3	588.3
50°	262.2	272.5	291.1	316.7	353.9	376.4	400.6	459.8	510.0	541.6	513.5
52.5°	237.9	249.6	265.2	292.0	328.8	349.1	375.5	426.1	473.7	486.7	443.4
55°	216.7	226.2	241.0	266.5	300.7	321.8	344.3	392.8	433.0	432.2	385.9
57.5°	194.7	202.5	218.0	241.4	273.0	292.0	314.5	356.5	389.3	377.7	334.0
60°	174.3	180.0	195.1	214.1	244.4	262.2	283.8	318.0	343.0	326.6	282.5
62.5°	153.1	159.6	171.7	190.3	217.2	231.4	247.4	282.1	298.1	283.3	238.4
65°	134.1	139.3	150.1	165.7	189.9	202.9	216.7	245.3	260.4	239.2	202.0
67.5°	115.1	121.1	128.9	142.8	161.8	173.9	186.0	210.7	217.6	198.6	167.4
70°	97.3	102.5	109.9	119.8	135.8	146.6	155.7	176.1	180.8	163.1	138.4
72.5°	80.0	83.5	89.5	97.8	112.5	118.5	128.0	141.9	147.9	131.9	114.2
75°	64.9	67.5	71.4	77.4	87.4	93.9	101.7	114.6	114.2	103.0	90.4
77.5°	50.2	50.6	54.9	60.6	66.6	72.2	76.1	85.2	86.1	79.2	68.8
80°	35.9	37.2	38.9	43.3	48.5	50.6	55.4	61.0	61.9	56.7	49.7
82.5°	22.9	23.8	25.1	27.7	31.1	33.7	36.3	38.5	40.7	37.6	32.0
85°	13.0	13.4	14.7	15.6	17.3	18.6	20.8	22.9	22.5	20.3	18.6
87.5°	6.5	6.5	6.5	7.4	8.2	8.2	9.1	9.5	9.9	9.1	8.2
90°	0.4	1.2	2.0	2.8	3.6	4.0	4.3	5.0	5.7	6.3	7.0
92.5°	13.2	13.7	14.2	14.7	15.2	15.4	15.8	16.7	17.6	18.5	19.4
95°	28.6	28.8	29.0	29.2	29.4	29.5	30.0	31.0	31.9	32.9	33.9
97.5°	44.1	44.2	44.3	44.4	44.5	44.5	45.2	46.6	47.9	49.3	50.7
100°	61.7	61.7	61.7	61.7	61.7	61.7	62.3	63.6	64.9	66.1	67.4
102.5°	80.6	81.1	81.6	82.1	82.6	82.8	83.0	83.5	84.0	84.5	85.0
105°	100.5	101.0	101.5	102.0	102.5	102.7	103.0	103.6	104.1	104.7	105.3
107.5°	122.0	122.5	123.0	123.5	124.0	124.2	124.5	125.0	125.5	126.0	126.5
110°	144.5	145.0	145.5	146.0	146.5	146.7	146.8	147.1	147.4	147.7	148.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	167.4	167.6	167.8	168.0	168.2	168.3	168.5	168.9	169.3	169.7	170.1
115°	189.9	190.3	190.7	191.1	191.5	191.7	191.8	192.0	192.1	192.3	192.5
117.5°	212.8	212.9	213.0	213.1	213.2	213.2	213.3	213.5	213.7	213.9	214.1
120°	234.0	234.5	235.0	235.5	236.0	236.2	236.2	236.3	236.4	236.5	236.6
122.5°	256.9	257.0	257.1	257.2	257.3	257.3	257.4	257.7	258.0	258.3	258.6
125°	277.1	277.7	278.3	278.9	279.5	279.8	279.8	279.9	280.0	280.1	280.2
127.5°	299.6	299.9	300.2	300.5	300.8	300.9	301.0	301.1	301.2	301.3	301.4
130°	319.4	319.9	320.4	320.9	321.4	321.6	321.7	321.9	322.1	322.3	322.5
132.5°	339.3	340.2	341.0	341.9	342.8	343.2	343.2	343.1	343.0	342.9	342.8
135°	360.4	361.0	361.6	362.2	362.8	363.1	363.1	363.2	363.3	363.4	363.5
137.5°	380.2	380.8	381.4	382.0	382.6	382.9	383.0	383.2	383.4	383.6	383.8
140°	399.2	399.7	400.2	400.7	401.2	401.4	401.5	401.8	402.1	402.4	402.7
142.5°	418.1	418.5	418.9	419.3	419.7	419.9	420.1	420.5	420.8	421.2	421.6
145°	436.6	437.0	437.4	437.8	438.2	438.4	438.5	438.8	439.1	439.4	439.7
147.5°	453.8	454.1	454.4	454.7	455.0	455.1	455.2	455.4	455.6	455.8	456.0
150°	471.0	470.9	470.8	470.7	470.6	470.6	470.8	471.2	471.5	471.9	472.3
152.5°	485.1	485.3	485.5	485.7	485.9	486.0	486.0	486.1	486.2	486.3	486.4
155°	499.6	499.6	499.6	499.6	499.6	499.6	499.7	499.8	499.9	500.0	500.1
157.5°	512.9	512.7	512.5	512.3	512.1	512.0	512.0	512.1	512.2	512.3	512.4
160°	524.3	524.0	523.7	523.4	523.1	523.0	523.0	523.1	523.2	523.3	523.4
162.5°	534.4	534.2	534.0	533.9	533.7	533.6	533.6	533.6	533.6	533.6	533.6
165°	543.3	543.1	542.9	542.7	542.5	542.4	542.4	542.5	542.6	542.7	542.8
167.5°	551.2	550.8	550.4	550.0	549.6	549.4	549.4	549.4	549.4	549.4	549.4
170°	557.4	557.0	556.6	556.2	555.8	555.6	555.6	555.6	555.6	555.6	555.6
172.5°	561.8	561.4	561.0	560.6	560.2	560.0	560.0	560.0	560.0	560.0	560.0
175°	564.8	564.4	564.0	563.7	563.3	563.1	563.1	563.1	563.1	563.1	563.1
177.5°	567.0	566.6	566.2	565.9	565.5	565.3	565.2	565.1	565.0	564.9	564.8
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	533.0	536.0	538.6	540.7	542.5	545.1	543.3	543.8	544.6	546.4	546.4
5°	567.6	572.3	574.9	583.6	585.7	585.3	584.0	590.9	590.5	587.9	587.5
7.5°	601.3	609.5	616.9	623.8	626.0	631.6	632.9	635.9	635.0	639.4	637.2
10°	632.0	645.0	651.9	662.3	664.9	667.5	671.0	672.7	676.6	676.1	676.1
12.5°	655.8	671.4	680.5	683.1	693.0	696.0	699.1	704.7	703.4	703.8	706.4
15°	674.4	689.6	697.3	709.5	716.4	719.8	725.0	731.1	730.2	734.1	733.2
17.5°	688.3	702.5	716.8	735.0	735.4	744.5	756.6	759.2	764.8	760.9	760.9
20°	699.5	718.5	738.9	762.2	764.8	770.4	785.2	795.1	801.6	799.4	800.7
22.5°	711.6	738.9	762.7	786.0	798.6	808.5	822.8	838.4	844.0	847.4	846.6
25°	727.2	755.7	790.8	823.2	836.2	855.2	874.3	889.4	893.7	903.3	894.6
27.5°	743.2	783.4	827.1	865.2	881.6	897.2	920.1	931.4	937.0	941.3	938.3
30°	756.6	812.0	859.6	894.6	906.3	915.4	928.3	930.9	928.8	932.2	936.6
32.5°	777.4	831.4	871.7	888.5	887.2	886.8	876.9	863.0	860.0	851.8	863.0
35°	788.6	831.9	847.4	825.0	815.9	799.4	767.9	747.1	728.9	725.0	725.9
37.5°	782.1	799.0	780.4	721.1	706.4	681.3	639.4	610.0	596.5	586.2	599.6
40°	747.1	728.5	677.4	605.2	584.0	560.2	520.8	504.8	485.8	481.9	499.6
42.5°	689.1	632.5	560.2	504.4	482.3	468.9	436.1	420.9	407.5	401.4	411.4
45°	610.4	541.6	468.9	423.1	404.5	388.5	369.0	353.0	344.3	341.7	350.0
47.5°	529.1	456.4	398.4	364.2	344.8	332.7	314.5	305.4	298.5	299.4	300.7
50°	451.2	385.0	340.5	306.3	296.8	287.2	275.1	267.3	263.9	265.2	264.3
52.5°	384.1	330.5	292.9	266.5	262.2	253.1	243.1	236.6	235.3	235.8	237.1
55°	325.3	283.3	253.5	234.5	229.7	223.2	217.2	212.8	209.4	210.7	210.2
57.5°	280.8	244.0	221.1	205.5	202.0	198.1	192.5	190.3	189.0	186.4	188.6
60°	241.4	211.5	191.6	182.1	179.1	176.5	170.4	167.8	167.0	165.7	169.1
62.5°	204.2	183.0	167.8	159.2	156.2	153.6	150.5	148.4	148.8	147.1	148.8
65°	174.8	157.5	146.6	138.9	135.0	133.2	132.8	129.3	128.9	129.3	129.8
67.5°	147.5	132.8	124.6	119.8	116.8	115.1	113.8	111.6	113.3	112.0	112.9
70°	122.9	112.9	104.3	99.5	98.2	98.6	96.5	95.6	96.0	95.2	96.0
72.5°	99.1	90.8	87.4	83.9	82.2	81.8	80.5	79.2	80.5	80.0	80.0
75°	79.2	73.1	69.2	67.1	67.1	66.2	64.0	64.0	64.0	63.6	64.0
77.5°	61.0	55.8	54.1	51.9	51.9	50.6	50.2	50.2	49.3	50.6	49.7
80°	45.4	41.5	38.9	37.6	37.6	37.2	36.3	35.9	36.3	35.9	35.9
82.5°	29.4	27.7	26.4	25.1	24.7	25.1	24.7	23.8	24.2	23.8	24.7
85°	16.9	15.1	15.1	14.3	14.7	13.8	14.3	13.4	13.0	14.3	13.4
87.5°	7.4	6.9	6.9	6.1	6.1	6.1	5.6	6.1	5.6	5.2	5.6
90°	7.5	8.0	8.5	9.0	9.3	9.4	9.7	10.0	10.3	10.6	10.3
92.5°	20.1	20.8	21.5	22.2	22.5	22.6	22.8	23.0	23.2	23.4	23.2
95°	34.6	35.3	36.0	36.7	37.0	37.1	37.3	37.5	37.7	37.9	37.7
97.5°	51.3	51.9	52.4	53.0	53.3	53.4	53.5	53.6	53.7	53.8	53.7
100°	68.3	69.2	70.1	71.0	71.4	71.5	71.7	71.9	72.1	72.3	72.1
102.5°	86.0	87.0	87.9	88.9	89.4	89.6	89.9	90.2	90.5	90.8	90.5
105°	105.9	106.5	107.0	107.6	107.9	108.1	108.4	108.7	109.0	109.3	109.0
107.5°	126.8	127.1	127.4	127.7	127.8	127.8	127.8	127.8	127.8	127.8	127.8
110°	148.3	148.6	148.9	149.2	149.4	149.3	149.2	149.1	149.0	148.9	149.0

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	170.2	170.3	170.4	170.5	170.5	170.4	170.2	170.0	169.8	169.6	169.8
115°	192.4	192.3	192.2	192.1	192.1	192.1	192.0	191.9	191.8	191.7	191.8
117.5°	214.2	214.3	214.4	214.5	214.6	214.4	214.0	213.6	213.2	212.8	213.2
120°	236.6	236.6	236.6	236.6	236.6	236.4	236.0	235.6	235.2	234.8	235.2
122.5°	258.5	258.4	258.3	258.2	258.2	258.1	257.8	257.5	257.2	256.9	257.2
125°	280.0	279.8	279.6	279.4	279.3	279.3	279.2	279.1	279.0	278.9	279.0
127.5°	301.3	301.2	301.1	301.0	300.9	300.8	300.6	300.4	300.2	300.0	300.2
130°	322.4	322.3	322.2	322.1	322.1	322.0	321.8	321.6	321.4	321.2	321.4
132.5°	342.7	342.6	342.5	342.4	342.3	342.2	341.9	341.6	341.3	341.0	341.3
135°	363.5	363.5	363.5	363.5	363.5	363.3	362.9	362.5	362.1	361.7	362.1
137.5°	383.9	384.0	384.1	384.2	384.2	384.0	383.5	383.0	382.5	382.0	382.5
140°	402.9	403.1	403.3	403.5	403.6	403.4	402.9	402.4	401.9	401.4	401.9
142.5°	421.7	421.8	421.9	422.0	422.1	421.9	421.4	420.9	420.4	419.9	420.4
145°	439.7	439.7	439.7	439.7	439.7	439.6	439.3	439.0	438.7	438.4	438.7
147.5°	456.3	456.6	456.9	457.2	457.3	456.9	456.1	455.4	454.6	453.8	454.6
150°	472.3	472.3	472.3	472.3	472.3	472.2	472.0	471.8	471.6	471.4	471.6
152.5°	486.7	487.0	487.3	487.6	487.7	487.5	487.1	486.8	486.4	486.0	486.4
155°	500.5	500.9	501.2	501.6	501.8	501.6	501.1	500.6	500.1	499.6	500.1
157.5°	512.8	513.2	513.6	514.0	514.2	513.9	513.2	512.5	511.8	511.1	511.8
160°	523.8	524.2	524.6	525.0	525.2	525.0	524.5	524.0	523.5	523.0	523.5
162.5°	534.1	534.6	535.1	535.6	535.8	535.5	534.9	534.3	533.7	533.1	533.7
165°	543.2	543.6	544.0	544.4	544.6	544.3	543.7	543.1	542.5	541.9	542.5
167.5°	550.0	550.6	551.2	551.8	552.1	551.8	551.2	550.6	550.0	549.4	550.0
170°	556.2	556.8	557.3	557.9	558.2	557.9	557.2	556.5	555.8	555.1	555.8
172.5°	560.6	561.2	561.7	562.3	562.6	562.3	561.7	561.2	560.6	560.0	560.6
175°	563.7	564.3	564.8	565.4	565.7	565.4	564.7	564.0	563.3	562.6	563.3
177.5°	565.4	566.0	566.6	567.2	567.5	567.2	566.5	565.8	565.1	564.4	565.1
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	545.5	542.5	543.3	542.5	540.3	539.0	535.5	531.2	529.5	527.3	526.0
5°	589.2	587.0	586.6	583.1	582.3	577.1	568.4	564.1	558.9	553.7	548.5
7.5°	636.8	634.2	625.5	624.2	625.1	618.6	607.4	598.7	587.9	580.5	570.6
10°	676.1	671.0	663.6	664.0	661.0	652.3	641.1	632.0	616.4	606.9	592.7
12.5°	699.9	695.6	694.7	690.4	687.8	676.6	663.2	651.5	639.8	626.8	616.0
15°	728.9	723.3	719.4	713.3	711.6	699.9	685.2	671.8	658.4	646.3	623.4
17.5°	760.9	754.9	740.2	738.9	728.5	717.2	703.0	683.1	668.8	651.5	634.6
20°	797.3	788.6	769.6	764.8	756.6	738.0	718.5	696.5	673.5	655.8	635.9
22.5°	837.9	822.8	808.9	793.8	787.8	764.8	738.0	711.2	683.5	659.3	635.5
25°	890.7	870.8	851.3	836.2	825.8	796.0	760.1	724.6	692.6	661.0	629.9
27.5°	932.2	914.9	893.7	873.8	860.4	825.0	783.9	738.0	698.2	659.7	626.4
30°	935.3	930.1	917.1	906.3	891.6	853.5	808.1	756.2	706.9	660.1	619.5
32.5°	878.6	889.0	894.6	896.3	893.3	871.2	829.7	772.6	714.6	656.2	613.4
35°	756.6	784.3	818.5	831.4	844.0	855.7	834.0	784.3	717.2	655.4	603.9
37.5°	622.9	648.0	704.7	730.6	745.4	791.6	809.4	782.6	722.4	656.2	594.8
40°	502.7	542.5	583.1	618.2	641.1	693.0	748.0	754.0	715.1	648.0	583.1
42.5°	423.1	446.4	477.1	509.6	529.9	591.4	665.8	709.5	692.1	634.6	568.9
45°	360.3	377.7	406.6	417.5	443.4	502.2	581.0	644.1	652.8	613.4	552.4
47.5°	309.3	324.0	342.6	356.0	376.8	420.9	487.5	557.2	598.7	584.4	529.5
50°	272.5	284.6	300.2	308.0	321.4	361.2	411.4	480.6	536.4	541.2	499.6
52.5°	241.8	248.7	260.9	269.5	280.3	304.5	350.0	407.1	469.8	495.8	462.9
55°	215.0	220.6	231.4	237.1	242.7	263.4	298.9	350.8	409.7	443.8	425.2
57.5°	190.8	195.5	204.6	209.8	212.8	232.7	260.0	300.7	353.4	395.0	384.6
60°	170.9	175.2	180.4	184.3	187.7	204.2	223.2	256.1	303.2	343.5	340.9
62.5°	149.7	153.6	159.2	163.1	166.1	176.5	192.5	217.6	257.8	295.0	302.4
65°	131.1	134.1	138.0	139.7	143.6	151.4	164.4	186.9	219.8	253.1	258.3
67.5°	114.2	115.1	117.7	121.6	122.4	129.3	141.0	157.9	183.4	210.7	218.9
70°	96.0	97.3	99.5	102.5	104.3	108.6	118.5	129.8	151.8	175.6	181.7
72.5°	80.0	81.8	82.6	84.4	85.2	92.1	96.5	107.7	122.9	142.8	149.2
75°	64.9	66.6	67.1	67.9	68.8	71.8	77.9	84.8	97.3	110.3	119.0
77.5°	51.5	51.0	51.9	53.2	52.8	55.4	59.3	65.3	73.5	84.4	90.0
80°	36.3	36.3	37.6	38.9	38.5	41.1	42.4	46.7	53.6	60.6	62.7
82.5°	24.2	24.2	25.5	25.5	26.4	26.8	28.6	30.7	36.3	39.8	41.1
85°	13.8	13.8	14.3	14.3	14.3	15.1	16.4	17.3	19.0	21.2	22.1
87.5°	5.6	6.1	6.1	6.1	6.1	6.9	6.9	7.8	8.2	9.1	9.1
90°	10.0	9.7	9.4	9.3	9.0	8.5	8.0	7.5	7.0	6.3	5.7
92.5°	23.0	22.8	22.6	22.5	22.2	21.5	20.8	20.1	19.4	18.5	17.6
95°	37.5	37.3	37.1	37.0	36.7	36.0	35.3	34.6	33.9	32.9	31.9
97.5°	53.6	53.5	53.4	53.3	53.0	52.4	51.9	51.3	50.7	49.3	47.9
100°	71.9	71.7	71.5	71.4	71.0	70.1	69.2	68.3	67.4	66.1	64.9
102.5°	90.2	89.9	89.6	89.4	88.9	87.9	87.0	86.0	85.0	84.5	84.0
105°	108.7	108.4	108.1	107.9	107.6	107.0	106.5	105.9	105.3	104.7	104.1
107.5°	127.8	127.8	127.8	127.8	127.7	127.4	127.1	126.8	126.5	126.0	125.5
110°	149.1	149.2	149.3	149.4	149.2	148.9	148.6	148.3	148.0	147.7	147.4



TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	170.0	170.2	170.4	170.5	170.5	170.4	170.3	170.2	170.1	169.7	169.3
115°	191.9	192.0	192.1	192.1	192.1	192.2	192.3	192.4	192.5	192.3	192.1
117.5°	213.6	214.0	214.4	214.6	214.5	214.4	214.3	214.2	214.1	213.9	213.7
120°	235.6	236.0	236.4	236.6	236.6	236.6	236.6	236.6	236.6	236.5	236.4
122.5°	257.5	257.8	258.1	258.2	258.2	258.3	258.4	258.5	258.6	258.3	258.0
125°	279.1	279.2	279.3	279.3	279.4	279.6	279.8	280.0	280.2	280.1	280.0
127.5°	300.4	300.6	300.8	300.9	301.0	301.1	301.2	301.3	301.4	301.3	301.2
130°	321.6	321.8	322.0	322.1	322.1	322.2	322.3	322.4	322.5	322.3	322.1
132.5°	341.6	341.9	342.2	342.3	342.4	342.5	342.6	342.7	342.8	342.9	343.0
135°	362.5	362.9	363.3	363.5	363.5	363.5	363.5	363.5	363.5	363.4	363.3
137.5°	383.0	383.5	384.0	384.2	384.2	384.1	384.0	383.9	383.8	383.6	383.4
140°	402.4	402.9	403.4	403.6	403.5	403.3	403.1	402.9	402.7	402.4	402.1
142.5°	420.9	421.4	421.9	422.1	422.0	421.9	421.8	421.7	421.6	421.2	420.8
145°	439.0	439.3	439.6	439.7	439.7	439.7	439.7	439.7	439.7	439.4	439.1
147.5°	455.4	456.1	456.9	457.3	457.2	456.9	456.6	456.3	456.0	455.8	455.6
150°	471.8	472.0	472.2	472.3	472.3	472.3	472.3	472.3	472.3	471.9	471.5
152.5°	486.8	487.1	487.5	487.7	487.6	487.3	487.0	486.7	486.4	486.3	486.2
155°	500.6	501.1	501.6	501.8	501.6	501.2	500.9	500.5	500.1	500.0	499.9
157.5°	512.5	513.2	513.9	514.2	514.0	513.6	513.2	512.8	512.4	512.3	512.2
160°	524.0	524.5	525.0	525.2	525.0	524.6	524.2	523.8	523.4	523.3	523.2
162.5°	534.3	534.9	535.5	535.8	535.6	535.1	534.6	534.1	533.6	533.6	533.6
165°	543.1	543.7	544.3	544.6	544.4	544.0	543.6	543.2	542.8	542.7	542.6
167.5°	550.6	551.2	551.8	552.1	551.8	551.2	550.6	550.0	549.4	549.4	549.4
170°	556.5	557.2	557.9	558.2	557.9	557.3	556.8	556.2	555.6	555.6	555.6
172.5°	561.2	561.7	562.3	562.6	562.3	561.7	561.2	560.6	560.0	560.0	560.0
175°	564.0	564.7	565.4	565.7	565.4	564.8	564.3	563.7	563.1	563.1	563.1
177.5°	565.8	566.5	567.2	567.5	567.2	566.6	566.0	565.4	564.8	564.9	565.0
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	524.3	522.1	519.5	519.5	516.5	515.2	512.6	511.8	509.6	506.1	503.5
5°	542.9	537.3	533.8	530.8	524.3	519.5	514.8	509.6	504.4	498.3	491.4
7.5°	561.1	550.7	545.9	540.7	531.2	521.3	511.8	504.8	497.9	488.4	479.7
10°	580.1	567.1	558.5	551.6	536.8	524.3	510.5	500.5	489.7	477.6	466.3
12.5°	596.1	579.2	571.9	558.9	542.0	526.9	509.6	494.5	480.2	465.9	452.1
15°	609.5	593.5	575.3	570.2	546.8	525.2	505.7	486.2	468.5	454.2	438.2
17.5°	613.8	593.5	584.4	571.9	544.2	521.7	497.0	475.9	459.0	437.8	425.2
20°	615.1	595.7	583.1	571.5	546.8	516.9	492.7	466.8	446.4	425.2	405.3
22.5°	611.7	588.8	576.6	565.4	537.7	512.2	484.1	455.5	431.7	412.3	392.4
25°	605.2	578.4	566.7	554.6	528.2	500.1	469.4	442.1	420.0	396.7	377.2
27.5°	596.5	565.8	552.4	539.9	513.9	487.5	458.5	430.4	405.8	381.1	362.9
30°	585.7	550.3	538.1	521.7	496.6	471.5	445.1	417.0	389.3	366.0	346.1
32.5°	571.9	534.7	518.7	503.1	475.9	452.9	427.8	401.4	374.6	351.7	330.9
35°	559.3	516.9	499.2	483.6	453.4	429.1	408.4	383.7	359.9	336.1	317.5
37.5°	542.5	499.2	478.0	462.0	431.3	406.6	387.2	368.1	343.0	320.1	302.8
40°	524.7	477.1	457.3	441.2	409.2	382.4	363.8	346.9	326.6	305.4	287.2
42.5°	508.7	456.0	434.8	415.3	382.8	359.1	340.0	327.0	308.4	289.4	273.0
45°	488.4	433.5	410.5	390.2	359.1	333.1	314.9	304.5	290.7	272.1	257.8
47.5°	467.6	409.2	385.4	365.5	331.8	308.9	291.1	281.2	271.7	257.0	242.7
50°	440.4	383.7	362.1	339.2	305.8	282.5	267.8	257.8	250.5	240.1	228.0
52.5°	410.5	357.3	334.0	314.1	281.2	260.0	243.1	237.5	230.1	222.4	212.0
55°	379.0	328.8	306.3	286.8	256.5	234.9	221.1	215.0	209.4	203.3	196.4
57.5°	347.4	298.9	277.7	260.4	232.3	211.5	200.3	192.1	188.2	184.7	179.1
60°	308.0	266.9	250.5	234.9	207.2	188.2	177.4	171.3	167.8	166.1	163.5
62.5°	273.4	239.7	221.5	206.3	184.3	167.4	157.0	152.3	149.2	148.4	145.4
65°	236.6	207.6	193.4	180.4	161.4	146.2	137.6	131.9	129.8	129.3	129.3
67.5°	202.0	178.7	164.4	155.3	138.9	125.5	117.2	115.1	113.8	112.0	111.6
70°	169.6	151.0	138.4	130.6	115.9	106.0	99.5	96.0	96.0	94.7	93.9
72.5°	141.0	122.4	114.2	107.7	95.6	87.0	82.2	81.3	78.3	77.9	77.9
75°	110.3	96.5	90.8	85.2	76.1	70.1	66.2	64.0	62.3	62.3	62.7
77.5°	83.1	73.5	68.3	64.0	57.5	53.6	50.6	49.7	48.0	48.0	48.0
80°	58.8	53.6	49.7	46.3	41.5	38.1	36.3	34.6	34.6	34.2	34.6
82.5°	38.1	33.7	31.6	31.1	26.8	25.5	23.4	23.8	22.5	22.1	22.9
85°	22.1	19.9	17.3	16.4	14.7	13.0	12.1	12.5	12.1	11.7	12.1
87.5°	8.7	7.4	6.9	6.9	5.6	5.2	4.8	5.2	4.3	4.3	4.8
90°	5.0	4.3	4.0	3.6	2.8	2.0	1.2	0.4	1.2	2.0	2.8
92.5°	16.7	15.8	15.4	15.2	14.7	14.2	13.7	13.2	13.7	14.2	14.7
95°	31.0	30.0	29.5	29.4	29.2	29.0	28.8	28.6	28.8	29.0	29.2
97.5°	46.6	45.2	44.5	44.5	44.4	44.3	44.2	44.1	44.2	44.3	44.4
100°	63.6	62.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
102.5°	83.5	83.0	82.8	82.6	82.1	81.6	81.1	80.6	81.1	81.6	82.1
105°	103.6	103.0	102.7	102.5	102.0	101.5	101.0	100.5	101.0	101.5	102.0
107.5°	125.0	124.5	124.2	124.0	123.5	123.0	122.5	122.0	122.5	123.0	123.5
110°	147.1	146.8	146.7	146.5	146.0	145.5	145.0	144.5	145.0	145.5	146.0

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	168.9	168.5	168.3	168.2	168.0	167.8	167.6	167.4	167.6	167.8	168.0
115°	192.0	191.8	191.7	191.5	191.1	190.7	190.3	189.9	190.3	190.7	191.1
117.5°	213.5	213.3	213.2	213.2	213.1	213.0	212.9	212.8	212.9	213.0	213.1
120°	236.3	236.2	236.2	236.0	235.5	235.0	234.5	234.0	234.5	235.0	235.5
122.5°	257.7	257.4	257.3	257.3	257.2	257.1	257.0	256.9	257.0	257.1	257.2
125°	279.9	279.8	279.8	279.5	278.9	278.3	277.7	277.1	277.7	278.3	278.9
127.5°	301.1	301.0	300.9	300.8	300.5	300.2	299.9	299.6	299.9	300.2	300.5
130°	321.9	321.7	321.6	321.4	320.9	320.4	319.9	319.4	319.9	320.4	320.9
132.5°	343.1	343.2	343.2	342.8	341.9	341.0	340.2	339.3	340.2	341.0	341.9
135°	363.2	363.1	363.1	362.8	362.2	361.6	361.0	360.4	361.0	361.6	362.2
137.5°	383.2	383.0	382.9	382.6	382.0	381.4	380.8	380.2	380.8	381.4	382.0
140°	401.8	401.5	401.4	401.2	400.7	400.2	399.7	399.2	399.7	400.2	400.7
142.5°	420.5	420.1	419.9	419.7	419.3	418.9	418.5	418.1	418.5	418.9	419.3
145°	438.8	438.5	438.4	438.2	437.8	437.4	437.0	436.6	437.0	437.4	437.8
147.5°	455.4	455.2	455.1	455.0	454.7	454.4	454.1	453.8	454.1	454.4	454.7
150°	471.2	470.8	470.6	470.6	470.7	470.8	470.9	471.0	470.9	470.8	470.7
152.5°	486.1	486.0	486.0	485.9	485.7	485.5	485.3	485.1	485.3	485.5	485.7
155°	499.8	499.7	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6	499.6
157.5°	512.1	512.0	512.0	512.1	512.3	512.5	512.7	512.9	512.7	512.5	512.3
160°	523.1	523.0	523.0	523.1	523.4	523.7	524.0	524.3	524.0	523.7	523.4
162.5°	533.6	533.6	533.6	533.7	533.9	534.0	534.2	534.4	534.2	534.0	533.9
165°	542.5	542.4	542.4	542.5	542.7	542.9	543.1	543.3	543.1	542.9	542.7
167.5°	549.4	549.4	549.4	549.6	550.0	550.4	550.8	551.2	550.8	550.4	550.0
170°	555.6	555.6	555.6	555.8	556.2	556.6	557.0	557.4	557.0	556.6	556.2
172.5°	560.0	560.0	560.0	560.2	560.6	561.0	561.4	561.8	561.4	561.0	560.6
175°	563.1	563.1	563.1	563.3	563.7	564.0	564.4	564.8	564.4	564.0	563.7
177.5°	565.1	565.2	565.3	565.5	565.9	566.2	566.6	567.0	566.6	566.2	565.9
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	502.7	501.8	499.6	498.3	494.0	488.8	487.1	482.8	484.5	481.5	481.5
5°	489.3	485.4	482.8	478.9	470.7	465.0	459.0	456.0	454.2	452.1	450.3
7.5°	472.0	468.9	466.3	459.0	449.9	442.1	434.8	431.7	426.1	422.2	420.5
10°	456.8	452.5	446.4	437.8	428.3	418.3	411.8	405.3	401.0	398.9	394.1
12.5°	441.2	436.1	429.6	417.0	406.6	400.6	388.9	382.8	380.7	379.0	373.3
15°	425.2	419.6	411.8	400.1	391.1	376.8	369.9	365.1	359.9	359.5	355.2
17.5°	411.0	404.0	397.6	383.3	372.0	359.5	355.6	350.4	345.6	340.5	338.3
20°	392.8	386.3	381.5	366.0	353.4	345.6	339.2	334.8	331.8	326.6	325.7
22.5°	376.4	369.4	362.9	351.3	340.5	330.5	322.7	318.0	316.7	314.5	310.6
25°	360.3	353.4	345.6	334.8	323.6	316.7	309.7	306.7	304.1	300.7	297.6
27.5°	346.9	340.5	333.1	319.7	310.2	305.0	297.6	294.2	290.7	289.0	287.7
30°	330.9	323.6	318.0	307.6	297.2	290.3	285.1	282.1	279.0	277.3	276.4
32.5°	315.4	308.4	304.5	293.3	285.1	276.9	273.0	270.8	269.1	267.3	265.6
35°	302.8	295.9	289.8	279.5	271.2	265.6	262.6	259.1	257.8	256.1	256.1
37.5°	287.2	282.1	276.0	266.0	258.7	254.4	251.8	247.4	247.0	246.1	244.8
40°	273.8	268.6	263.0	254.4	247.9	242.7	239.2	237.1	235.8	234.9	234.0
42.5°	259.6	253.9	251.3	241.4	235.8	230.6	228.8	226.7	226.2	224.5	222.4
45°	245.7	241.0	235.8	228.4	223.7	219.3	216.7	215.0	212.8	212.4	211.1
47.5°	233.6	228.0	223.2	216.3	211.1	207.6	205.5	203.3	201.6	200.3	199.0
50°	218.0	213.7	209.8	202.5	198.1	194.7	191.6	189.9	188.2	188.2	188.2
52.5°	202.9	199.0	195.5	190.3	185.1	182.1	178.7	177.4	176.5	175.2	176.5
55°	188.2	184.3	180.8	176.9	170.9	168.3	164.8	163.5	164.0	164.0	165.3
57.5°	172.6	169.6	167.4	162.7	157.0	154.4	152.3	151.0	151.0	152.7	153.1
60°	157.5	154.4	150.5	146.2	142.8	139.7	138.4	138.9	138.9	139.7	141.9
62.5°	140.6	138.9	136.7	130.6	128.5	126.3	124.6	125.9	125.5	127.6	130.6
65°	125.0	123.3	120.3	117.2	114.6	112.5	112.0	112.5	113.3	115.5	119.0
67.5°	107.7	107.7	105.1	102.5	100.4	98.2	98.6	99.1	99.9	102.5	107.7
70°	93.4	91.7	89.1	87.4	85.7	84.8	83.9	85.7	88.2	90.0	93.9
72.5°	77.9	76.6	74.4	72.7	72.2	71.4	70.9	71.8	74.4	77.4	81.8
75°	61.4	61.9	60.6	59.3	59.3	58.0	58.8	58.8	61.4	64.5	67.9
77.5°	47.6	47.2	46.7	45.9	45.4	45.4	45.4	46.3	48.9	50.6	54.1
80°	33.7	34.2	32.9	33.3	32.9	33.3	33.3	35.0	36.3	38.5	41.1
82.5°	22.5	22.5	21.6	22.1	22.1	22.1	22.5	23.4	25.1	26.8	28.6
85°	12.5	13.0	12.1	13.0	13.0	13.0	13.4	13.8	15.1	15.6	17.3
87.5°	4.8	5.6	5.6	4.8	5.2	5.6	6.1	5.6	6.5	7.4	7.8
90°	3.6	4.0	4.3	5.0	5.7	6.3	7.0	7.5	8.0	8.5	9.0
92.5°	15.2	15.4	15.8	16.7	17.6	18.5	19.4	20.1	20.8	21.5	22.2
95°	29.4	29.5	30.0	31.0	31.9	32.9	33.9	34.6	35.3	36.0	36.7
97.5°	44.5	44.5	45.2	46.6	47.9	49.3	50.7	51.3	51.9	52.4	53.0
100°	61.7	61.7	62.3	63.6	64.9	66.1	67.4	68.3	69.2	70.1	71.0
102.5°	82.6	82.8	83.0	83.5	84.0	84.5	85.0	86.0	87.0	87.9	88.9
105°	102.5	102.7	103.0	103.6	104.1	104.7	105.3	105.9	106.5	107.0	107.6
107.5°	124.0	124.2	124.5	125.0	125.5	126.0	126.5	126.8	127.1	127.4	127.7
110°	146.5	146.7	146.8	147.1	147.4	147.7	148.0	148.3	148.6	148.9	149.2

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.2	168.3	168.5	168.9	169.3	169.7	170.1	170.2	170.3	170.4	170.5
115°	191.5	191.7	191.8	192.0	192.1	192.3	192.5	192.4	192.3	192.2	192.1
117.5°	213.2	213.2	213.3	213.5	213.7	213.9	214.1	214.2	214.3	214.4	214.5
120°	236.0	236.2	236.2	236.3	236.4	236.5	236.6	236.6	236.6	236.6	236.6
122.5°	257.3	257.3	257.4	257.7	258.0	258.3	258.6	258.5	258.4	258.3	258.2
125°	279.5	279.8	279.8	279.9	280.0	280.1	280.2	280.0	279.8	279.6	279.4
127.5°	300.8	300.9	301.0	301.1	301.2	301.3	301.4	301.3	301.2	301.1	301.0
130°	321.4	321.6	321.7	321.9	322.1	322.3	322.5	322.4	322.3	322.2	322.1
132.5°	342.8	343.2	343.2	343.1	343.0	342.9	342.8	342.7	342.6	342.5	342.4
135°	362.8	363.1	363.1	363.2	363.3	363.4	363.5	363.5	363.5	363.5	363.5
137.5°	382.6	382.9	383.0	383.2	383.4	383.6	383.8	383.9	384.0	384.1	384.2
140°	401.2	401.4	401.5	401.8	402.1	402.4	402.7	402.9	403.1	403.3	403.5
142.5°	419.7	419.9	420.1	420.5	420.8	421.2	421.6	421.7	421.8	421.9	422.0
145°	438.2	438.4	438.5	438.8	439.1	439.4	439.7	439.7	439.7	439.7	439.7
147.5°	455.0	455.1	455.2	455.4	455.6	455.8	456.0	456.3	456.6	456.9	457.2
150°	470.6	470.6	470.8	471.2	471.5	471.9	472.3	472.3	472.3	472.3	472.3
152.5°	485.9	486.0	486.0	486.1	486.2	486.3	486.4	486.7	487.0	487.3	487.6
155°	499.6	499.6	499.7	499.8	499.9	500.0	500.1	500.5	500.9	501.2	501.6
157.5°	512.1	512.0	512.0	512.1	512.2	512.3	512.4	512.8	513.2	513.6	514.0
160°	523.1	523.0	523.0	523.1	523.2	523.3	523.4	523.8	524.2	524.6	525.0
162.5°	533.7	533.6	533.6	533.6	533.6	533.6	533.6	534.1	534.6	535.1	535.6
165°	542.5	542.4	542.4	542.5	542.6	542.7	542.8	543.2	543.6	544.0	544.4
167.5°	549.6	549.4	549.4	549.4	549.4	549.4	549.4	550.0	550.6	551.2	551.8
170°	555.8	555.6	555.6	555.6	555.6	555.6	555.6	556.2	556.8	557.3	557.9
172.5°	560.2	560.0	560.0	560.0	560.0	560.0	560.0	560.6	561.2	561.7	562.3
175°	563.3	563.1	563.1	563.1	563.1	563.1	563.1	563.7	564.3	564.8	565.4
177.5°	565.5	565.3	565.2	565.1	565.0	564.9	564.8	565.4	566.0	566.6	567.2
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	483.2	480.2	479.7	480.6	478.9	481.5	480.6	481.5	479.3	481.5	480.2
5°	449.9	449.0	447.3	445.1	445.6	446.0	448.2	446.0	447.7	448.2	450.3
7.5°	418.7	417.0	418.3	417.5	413.6	412.7	413.6	414.9	417.5	419.2	420.5
10°	393.7	392.8	391.1	389.8	387.6	386.3	388.0	386.3	389.8	392.8	392.8
12.5°	374.6	371.2	369.0	368.6	363.8	364.7	366.4	367.7	371.6	373.3	373.3
15°	354.7	352.1	351.3	349.5	347.8	349.5	348.7	350.0	351.7	353.4	354.3
17.5°	337.4	337.0	337.4	333.1	334.4	332.2	332.7	334.8	333.5	334.8	337.4
20°	321.8	322.7	321.4	319.7	319.7	317.1	320.1	319.3	319.7	322.3	326.2
22.5°	310.2	309.7	308.4	307.1	305.4	305.8	306.3	305.4	308.9	311.0	311.5
25°	297.6	296.8	296.3	295.0	293.3	295.0	294.6	295.0	295.9	299.4	296.8
27.5°	285.9	284.2	285.1	283.8	283.3	283.8	283.8	284.2	285.1	285.5	285.9
30°	276.0	274.3	273.8	273.0	272.5	273.0	273.8	273.0	276.4	276.0	276.0
32.5°	265.2	263.9	263.0	263.0	262.6	262.2	262.6	263.0	265.6	263.9	265.6
35°	254.8	253.9	253.9	253.1	252.6	252.6	252.6	254.4	253.5	254.8	254.8
37.5°	244.8	244.8	244.4	243.5	243.1	243.5	243.1	244.0	243.5	244.0	244.4
40°	234.5	233.6	233.2	233.2	231.9	230.6	231.9	231.9	232.3	233.6	234.0
42.5°	221.9	222.4	222.4	220.6	220.6	220.6	221.1	221.5	221.5	222.4	222.4
45°	211.1	210.2	210.2	210.2	209.4	209.8	210.7	210.7	210.7	210.7	209.8
47.5°	199.0	199.0	199.4	199.4	200.7	200.3	200.3	199.9	199.0	199.0	199.4
50°	187.7	189.0	189.5	189.5	189.9	190.3	190.3	189.5	189.0	187.7	187.7
52.5°	176.9	177.8	178.7	180.0	180.8	180.4	180.4	179.5	177.8	177.4	176.9
55°	165.3	166.5	168.3	169.6	170.9	171.3	171.3	169.6	167.8	165.7	165.7
57.5°	154.4	155.7	158.8	160.1	161.8	161.8	160.9	159.6	157.0	155.3	154.0
60°	143.6	145.8	147.9	150.5	152.7	153.1	151.8	150.1	147.1	144.9	143.2
62.5°	131.9	134.1	138.4	141.0	142.8	142.8	142.8	140.6	136.7	133.7	131.1
65°	120.7	122.9	126.7	130.2	131.5	132.8	131.5	129.3	126.3	122.9	120.3
67.5°	109.0	111.6	115.5	118.1	119.8	121.1	120.3	118.5	114.6	109.9	108.1
70°	96.0	97.3	103.0	105.6	108.1	109.0	108.1	105.6	101.7	96.5	94.7
72.5°	83.9	85.2	90.4	92.6	94.7	95.6	94.3	92.6	89.1	84.4	82.2
75°	70.1	72.2	74.8	78.3	80.9	81.8	80.5	79.2	74.8	71.8	70.1
77.5°	55.4	57.5	61.0	64.0	66.6	66.2	64.5	64.9	60.1	56.7	55.4
80°	42.0	43.7	46.3	48.9	50.2	50.2	49.7	48.0	46.3	43.7	41.5
82.5°	29.0	31.1	33.3	35.0	35.0	35.5	34.6	34.2	32.4	30.3	29.8
85°	17.3	17.7	19.5	19.5	21.2	20.3	19.9	21.2	19.5	18.2	17.7
87.5°	7.8	7.4	7.8	7.8	7.4	8.2	8.2	7.8	8.2	7.8	7.8
90°	9.3	9.4	9.7	10.0	10.3	10.6	10.3	10.0	9.7	9.4	9.3
92.5°	22.5	22.6	22.8	23.0	23.2	23.4	23.2	23.0	22.8	22.6	22.5
95°	37.0	37.1	37.3	37.5	37.7	37.9	37.7	37.5	37.3	37.1	37.0
97.5°	53.3	53.4	53.5	53.6	53.7	53.8	53.7	53.6	53.5	53.4	53.3
100°	71.4	71.5	71.7	71.9	72.1	72.3	72.1	71.9	71.7	71.5	71.4
102.5°	89.4	89.6	89.9	90.2	90.5	90.8	90.5	90.2	89.9	89.6	89.4
105°	107.9	108.1	108.4	108.7	109.0	109.3	109.0	108.7	108.4	108.1	107.9
107.5°	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8
110°	149.4	149.3	149.2	149.1	149.0	148.9	149.0	149.1	149.2	149.3	149.4

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	170.5	170.4	170.2	170.0	169.8	169.6	169.8	170.0	170.2	170.4	170.5
115°	192.1	192.1	192.0	191.9	191.8	191.7	191.8	191.9	192.0	192.1	192.1
117.5°	214.6	214.4	214.0	213.6	213.2	212.8	213.2	213.6	214.0	214.4	214.6
120°	236.6	236.4	236.0	235.6	235.2	234.8	235.2	235.6	236.0	236.4	236.6
122.5°	258.2	258.1	257.8	257.5	257.2	256.9	257.2	257.5	257.8	258.1	258.2
125°	279.3	279.3	279.2	279.1	279.0	278.9	279.0	279.1	279.2	279.3	279.3
127.5°	300.9	300.8	300.6	300.4	300.2	300.0	300.2	300.4	300.6	300.8	300.9
130°	322.1	322.0	321.8	321.6	321.4	321.2	321.4	321.6	321.8	322.0	322.1
132.5°	342.3	342.2	341.9	341.6	341.3	341.0	341.3	341.6	341.9	342.2	342.3
135°	363.5	363.3	362.9	362.5	362.1	361.7	362.1	362.5	362.9	363.3	363.5
137.5°	384.2	384.0	383.5	383.0	382.5	382.0	382.5	383.0	383.5	384.0	384.2
140°	403.6	403.4	402.9	402.4	401.9	401.4	401.9	402.4	402.9	403.4	403.6
142.5°	422.1	421.9	421.4	420.9	420.4	419.9	420.4	420.9	421.4	421.9	422.1
145°	439.7	439.6	439.3	439.0	438.7	438.4	438.7	439.0	439.3	439.6	439.7
147.5°	457.3	456.9	456.1	455.4	454.6	453.8	454.6	455.4	456.1	456.9	457.3
150°	472.3	472.2	472.0	471.8	471.6	471.4	471.6	471.8	472.0	472.2	472.3
152.5°	487.7	487.5	487.1	486.8	486.4	486.0	486.4	486.8	487.1	487.5	487.7
155°	501.8	501.6	501.1	500.6	500.1	499.6	500.1	500.6	501.1	501.6	501.8
157.5°	514.2	513.9	513.2	512.5	511.8	511.1	511.8	512.5	513.2	513.9	514.2
160°	525.2	525.0	524.5	524.0	523.5	523.0	523.5	524.0	524.5	525.0	525.2
162.5°	535.8	535.5	534.9	534.3	533.7	533.1	533.7	534.3	534.9	535.5	535.8
165°	544.6	544.3	543.7	543.1	542.5	541.9	542.5	543.1	543.7	544.3	544.6
167.5°	552.1	551.8	551.2	550.6	550.0	549.4	550.0	550.6	551.2	551.8	552.1
170°	558.2	557.9	557.2	556.5	555.8	555.1	555.8	556.5	557.2	557.9	558.2
172.5°	562.6	562.3	561.7	561.2	560.6	560.0	560.6	561.2	561.7	562.3	562.6
175°	565.7	565.4	564.7	564.0	563.3	562.6	563.3	564.0	564.7	565.4	565.7
177.5°	567.5	567.2	566.5	565.8	565.1	564.4	565.1	565.8	566.5	567.2	567.5
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	484.1	481.5	484.5	480.6	481.5	486.2	485.8	490.1	492.7	492.3	494.5
5°	452.1	452.1	453.4	452.9	457.3	461.1	466.3	470.7	475.4	478.0	481.0
7.5°	420.5	424.8	425.7	427.8	433.0	439.5	444.7	451.2	458.1	462.9	466.3
10°	394.5	398.0	401.4	403.2	408.8	417.5	424.8	435.2	443.8	449.0	453.8
12.5°	371.6	375.5	377.2	385.0	388.9	394.5	404.9	416.2	425.7	431.3	435.2
15°	355.2	357.3	361.2	366.0	369.9	376.8	385.4	398.0	407.1	411.8	425.2
17.5°	341.3	343.9	346.1	348.2	354.3	361.6	369.9	380.7	392.4	400.6	407.5
20°	327.0	328.3	330.9	334.4	338.7	345.6	353.0	364.2	374.6	381.1	390.2
22.5°	310.2	314.1	316.7	319.3	324.0	331.8	338.7	346.9	359.9	367.3	376.8
25°	300.2	301.9	303.7	306.7	310.2	317.1	324.9	333.5	343.9	351.7	359.9
27.5°	287.2	289.8	292.0	295.9	298.1	303.7	311.0	319.7	332.2	338.7	345.6
30°	276.4	279.0	280.8	282.5	285.5	291.6	298.5	305.4	317.1	325.3	332.2
32.5°	265.6	268.2	270.4	271.7	274.7	278.6	284.2	292.9	302.8	308.4	317.5
35°	256.1	256.1	258.7	260.4	263.0	266.5	271.7	278.2	288.5	295.9	304.1
37.5°	245.3	245.7	247.9	249.2	251.8	255.2	260.4	266.5	275.1	280.8	289.0
40°	234.0	235.3	236.2	238.4	241.4	242.7	247.9	254.8	263.4	268.6	275.6
42.5°	222.8	223.7	225.8	227.5	230.1	232.3	235.8	242.3	248.7	256.5	262.2
45°	210.2	212.4	213.7	216.7	218.0	220.2	223.7	228.8	236.6	241.4	247.9
47.5°	199.4	200.3	201.2	205.0	207.6	208.9	212.4	215.4	223.7	228.0	234.0
50°	187.7	187.7	189.0	190.8	193.8	196.4	199.4	202.9	209.4	213.7	219.8
52.5°	176.9	175.6	176.5	177.4	180.4	183.0	186.0	190.8	196.8	199.4	204.6
55°	165.3	163.1	164.4	165.7	166.5	170.0	173.5	176.5	181.3	185.1	189.9
57.5°	152.7	152.3	151.4	151.8	154.0	156.2	158.8	162.7	168.3	171.3	173.9
60°	141.5	138.9	138.0	138.9	140.2	141.5	144.9	148.4	153.1	156.2	159.2
62.5°	129.8	127.2	125.5	124.2	125.5	128.5	130.6	133.2	137.1	140.6	143.2
65°	118.5	114.6	112.9	112.0	111.6	113.8	115.5	119.0	122.4	123.7	126.7
67.5°	106.0	102.5	100.4	99.1	99.1	99.1	100.8	104.3	107.7	108.1	111.2
70°	93.4	89.5	87.4	85.7	84.8	85.7	87.8	88.2	91.3	92.1	93.9
72.5°	80.0	76.6	74.0	71.8	72.2	73.1	73.1	74.0	75.7	77.9	77.9
75°	67.5	62.7	61.4	59.7	58.8	58.8	58.8	60.6	61.9	63.6	63.2
77.5°	53.2	50.6	48.0	47.2	45.9	45.4	46.3	46.3	47.2	48.5	48.9
80°	41.1	38.1	36.3	35.5	33.7	33.3	33.7	33.7	35.0	34.6	35.0
82.5°	28.6	26.4	25.1	23.8	22.9	23.4	22.9	22.9	23.4	22.9	22.9
85°	16.4	16.0	15.1	14.7	14.3	13.4	14.3	13.8	13.4	13.0	13.8
87.5°	7.8	7.4	7.4	6.5	6.5	6.1	6.5	6.5	6.1	6.1	6.1
90°	9.0	8.5	8.0	7.5	7.0	6.3	5.7	5.0	4.3	4.0	3.6
92.5°	22.2	21.5	20.8	20.1	19.4	18.5	17.6	16.7	15.8	15.4	15.2
95°	36.7	36.0	35.3	34.6	33.9	32.9	31.9	31.0	30.0	29.5	29.4
97.5°	53.0	52.4	51.9	51.3	50.7	49.3	47.9	46.6	45.2	44.5	44.5
100°	71.0	70.1	69.2	68.3	67.4	66.1	64.9	63.6	62.3	61.7	61.7
102.5°	88.9	87.9	87.0	86.0	85.0	84.5	84.0	83.5	83.0	82.8	82.6
105°	107.6	107.0	106.5	105.9	105.3	104.7	104.1	103.6	103.0	102.7	102.5
107.5°	127.7	127.4	127.1	126.8	126.5	126.0	125.5	125.0	124.5	124.2	124.0
110°	149.2	148.9	148.6	148.3	148.0	147.7	147.4	147.1	146.8	146.7	146.5

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	170.5	170.4	170.3	170.2	170.1	169.7	169.3	168.9	168.5	168.3	168.2
115°	192.1	192.2	192.3	192.4	192.5	192.3	192.1	192.0	191.8	191.7	191.5
117.5°	214.5	214.4	214.3	214.2	214.1	213.9	213.7	213.5	213.3	213.2	213.2
120°	236.6	236.6	236.6	236.6	236.6	236.5	236.4	236.3	236.2	236.2	236.0
122.5°	258.2	258.3	258.4	258.5	258.6	258.3	258.0	257.7	257.4	257.3	257.3
125°	279.4	279.6	279.8	280.0	280.2	280.1	280.0	279.9	279.8	279.8	279.5
127.5°	301.0	301.1	301.2	301.3	301.4	301.3	301.2	301.1	301.0	300.9	300.8
130°	322.1	322.2	322.3	322.4	322.5	322.3	322.1	321.9	321.7	321.6	321.4
132.5°	342.4	342.5	342.6	342.7	342.8	342.9	343.0	343.1	343.2	343.2	342.8
135°	363.5	363.5	363.5	363.5	363.5	363.4	363.3	363.2	363.1	363.1	362.8
137.5°	384.2	384.1	384.0	383.9	383.8	383.6	383.4	383.2	383.0	382.9	382.6
140°	403.5	403.3	403.1	402.9	402.7	402.4	402.1	401.8	401.5	401.4	401.2
142.5°	422.0	421.9	421.8	421.7	421.6	421.2	420.8	420.5	420.1	419.9	419.7
145°	439.7	439.7	439.7	439.7	439.7	439.4	439.1	438.8	438.5	438.4	438.2
147.5°	457.2	456.9	456.6	456.3	456.0	455.8	455.6	455.4	455.2	455.1	455.0
150°	472.3	472.3	472.3	472.3	472.3	471.9	471.5	471.2	470.8	470.6	470.6
152.5°	487.6	487.3	487.0	486.7	486.4	486.3	486.2	486.1	486.0	486.0	485.9
155°	501.6	501.2	500.9	500.5	500.1	500.0	499.9	499.8	499.7	499.6	499.6
157.5°	514.0	513.6	513.2	512.8	512.4	512.3	512.2	512.1	512.0	512.0	512.1
160°	525.0	524.6	524.2	523.8	523.4	523.3	523.2	523.1	523.0	523.0	523.1
162.5°	535.6	535.1	534.6	534.1	533.6	533.6	533.6	533.6	533.6	533.6	533.7
165°	544.4	544.0	543.6	543.2	542.8	542.7	542.6	542.5	542.4	542.4	542.5
167.5°	551.8	551.2	550.6	550.0	549.4	549.4	549.4	549.4	549.4	549.4	549.6
170°	557.9	557.3	556.8	556.2	555.6	555.6	555.6	555.6	555.6	555.6	555.8
172.5°	562.3	561.7	561.2	560.6	560.0	560.0	560.0	560.0	560.0	560.0	560.2
175°	565.4	564.8	564.3	563.7	563.1	563.1	563.1	563.1	563.1	563.1	563.3
177.5°	567.2	566.6	566.0	565.4	564.8	564.9	565.0	565.1	565.2	565.3	565.5
180°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2

TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	509.6	509.6	509.6	509.6
2.5°	497.5	501.8	504.8	510.5
5°	486.2	494.0	501.4	509.2
7.5°	475.0	484.1	495.8	505.7
10°	462.4	474.1	488.0	501.4
12.5°	449.9	463.7	478.9	496.6
15°	434.8	452.5	470.2	489.3
17.5°	421.3	439.5	458.5	482.3
20°	406.2	426.1	446.9	471.1
22.5°	392.8	414.9	436.5	462.0
25°	377.7	399.3	423.1	450.3
27.5°	365.1	385.0	408.4	437.8
30°	350.0	371.6	395.0	424.4
32.5°	335.7	356.5	381.1	410.1
35°	321.0	342.2	364.2	391.9
37.5°	307.1	325.3	347.4	373.8
40°	291.6	311.5	331.4	352.1
42.5°	277.3	295.5	314.1	330.5
45°	261.3	276.9	294.6	308.0
47.5°	246.6	260.4	274.3	284.6
50°	231.9	242.7	253.1	262.2
52.5°	214.6	226.7	232.3	237.9
55°	199.0	205.9	211.1	216.7
57.5°	183.9	186.9	189.5	194.7
60°	164.0	167.4	170.4	174.3
62.5°	146.6	148.4	149.2	153.1
65°	130.2	129.8	131.9	134.1
67.5°	112.5	112.0	114.2	115.1
70°	95.2	94.7	95.2	97.3
72.5°	78.7	78.7	79.2	80.0
75°	63.6	63.6	64.0	64.9
77.5°	48.0	48.9	48.5	50.2
80°	35.0	34.2	35.0	35.9
82.5°	22.9	23.8	23.8	22.9
85°	13.0	13.0	13.0	13.0
87.5°	5.6	5.6	6.1	6.5
90°	2.8	2.0	1.2	0.4
92.5°	14.7	14.2	13.7	13.2
95°	29.2	29.0	28.8	28.6
97.5°	44.4	44.3	44.2	44.1
100°	61.7	61.7	61.7	61.7
102.5°	82.1	81.6	81.1	80.6
105°	102.0	101.5	101.0	100.5
107.5°	123.5	123.0	122.5	122.0
110°	146.0	145.5	145.0	144.5



TEST NUMBER: P1034509

CATALOG NUMBER: S125DIW-B375D470UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	168.0	167.8	167.6	167.4
115°	191.1	190.7	190.3	189.9
117.5°	213.1	213.0	212.9	212.8
120°	235.5	235.0	234.5	234.0
122.5°	257.2	257.1	257.0	256.9
125°	278.9	278.3	277.7	277.1
127.5°	300.5	300.2	299.9	299.6
130°	320.9	320.4	319.9	319.4
132.5°	341.9	341.0	340.2	339.3
135°	362.2	361.6	361.0	360.4
137.5°	382.0	381.4	380.8	380.2
140°	400.7	400.2	399.7	399.2
142.5°	419.3	418.9	418.5	418.1
145°	437.8	437.4	437.0	436.6
147.5°	454.7	454.4	454.1	453.8
150°	470.7	470.8	470.9	471.0
152.5°	485.7	485.5	485.3	485.1
155°	499.6	499.6	499.6	499.6
157.5°	512.3	512.5	512.7	512.9
160°	523.4	523.7	524.0	524.3
162.5°	533.9	534.0	534.2	534.4
165°	542.7	542.9	543.1	543.3
167.5°	550.0	550.4	550.8	551.2
170°	556.2	556.6	557.0	557.4
172.5°	560.6	561.0	561.4	561.8
175°	563.7	564.0	564.4	564.8
177.5°	565.9	566.2	566.6	567.0
180°	566.2	566.2	566.2	566.2

(END OF REPORT)