

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: P1027175

Luminaire Tested: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027175
REPORT IS A COMBINATION OF REPORTS P1005406 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K
Description: Define 5 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

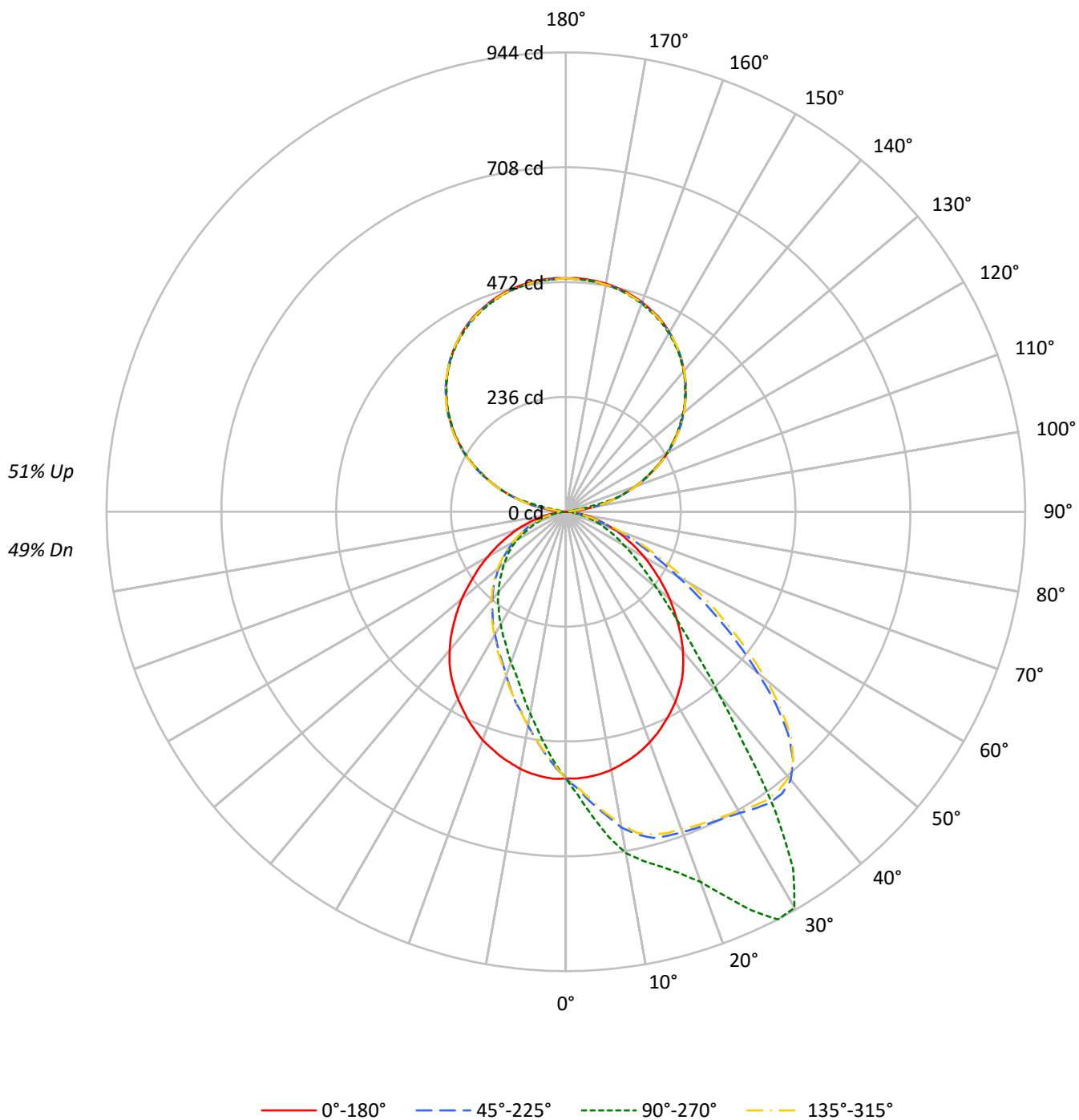
Lumens per Lamp: N/A
Luminaire Lumens: 2893.9 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.4 / 1.47
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 22.3
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	107	107	107	107	99	99	99	99	83	83	83	68	68	68	55	55	55
1	98	94	90	87	90	87	84	81	73	71	69	61	59	58	50	49	48
2	90	82	77	72	82	76	71	67	65	61	58	54	51	49	44	42	41
3	82	73	66	60	75	67	61	56	57	53	49	48	45	42	39	37	35
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	35	33	30
5	69	58	50	44	63	54	47	41	46	40	36	39	35	31	32	29	27
6	64	52	44	38	59	48	41	36	41	36	32	35	31	28	29	26	24
7	59	47	39	33	54	44	37	32	38	32	28	32	28	24	27	23	21
8	55	42	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19
9	51	39	31	26	47	36	30	25	31	26	22	27	23	20	23	19	17
10	48	36	28	24	44	33	27	23	29	24	20	25	21	18	21	18	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3512	3512	3512	3512
5°	3508	3958	3508	3042
10°	3489	4447	3477	2630
15°	3451	4705	3428	2290
20°	3405	5079	3375	2069
25°	3346	5750	3308	1878
30°	3285	6111	3236	1741
35°	3206	5026	3162	1614
40°	3067	3413	3041	1499
45°	2884	2453	2880	1386
50°	2696	1887	2709	1282
55°	2485	1534	2480	1181
60°	2288	1257	2277	1049
65°	2059	1048	2072	844
70°	1869	840	1862	703
75°	1578	637	1578	578
80°	1280	388	1264	388
85°	898	203	875	231

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 4999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	1.8
10°-20°	154.1	5.3
20°-30°	244.3	8.4
30°-40°	295.2	10.2
40°-50°	262.8	9.1
50°-60°	201.5	7.0
60°-70°	130.9	4.5
70°-80°	63.5	2.2
80°-90°	15.6	0.5
90°-100°	16.3	0.6
100°-110°	108.2	3.7
110°-120°	194.9	6.7
120°-130°	250.2	8.6
130°-140°	269.1	9.3
140°-150°	252.6	8.7
150°-160°	204.3	7.1
160°-170°	132.1	4.6
170°-180°	45.6	1.6
0°-30°	451.0	15.6
0°-40°	746.2	25.8
0°-60°	1210.6	41.8
0°-90°	1420.6	49.1
90°-120°	319.5	11.0
90°-150°	1091.3	37.7
90°-180°	1473.0	50.9
0°-180°	2893.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	548	548	548	548	548	
5°	547	628	547	483	547	52
15°	524	755	520	367	524	148
25°	479	904	473	295	479	221
35°	417	750	411	241	417	260
45°	326	335	326	189	326	252
55°	230	184	230	142	230	206
65°	143	104	144	84	143	143
75°	70	49	70	44	70	75
85°	16	10	15	12	16	18
90°	0	8	0	8	0	2
95°	20	8	20	8	20	25
105°	104	106	104	106	104	111
115°	196	195	196	195	196	195
125°	279	279	279	279	279	249
135°	348	347	348	347	348	268
145°	404	402	404	402	404	252
155°	444	441	444	441	444	205
165°	469	466	469	466	469	132
175°	480	478	480	478	480	46
180°	480	480	480	480	480	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	548.5	553.0	554.4	558.0	562.0	562.9	565.2	568.3	570.1	569.7	569.7
5°	546.7	554.4	559.8	566.1	573.7	576.9	579.6	586.3	591.7	594.9	600.3
7.5°	543.6	554.8	563.8	573.3	585.0	590.4	596.2	605.7	615.6	621.9	627.7
10°	538.6	553.0	565.6	579.6	595.3	603.4	610.6	625.0	637.2	645.3	658.8
12.5°	531.4	549.4	567.0	585.4	605.2	613.8	623.7	639.4	656.5	668.2	679.5
15°	523.8	545.4	564.3	586.3	610.2	623.2	635.8	652.5	667.8	680.8	693.9
17.5°	514.8	537.7	561.1	586.3	613.3	626.4	637.2	657.0	673.2	686.2	697.9
20°	504.0	529.6	556.2	584.1	611.5	623.7	634.0	655.6	670.0	684.0	700.6
22.5°	492.3	520.2	548.5	576.0	603.0	616.0	628.2	647.1	662.8	681.7	703.3
25°	478.8	509.4	538.2	565.6	591.3	603.4	614.2	634.9	657.0	680.8	705.1
27.5°	465.3	495.0	522.9	548.1	576.0	587.2	598.0	624.1	650.2	675.4	708.7
30°	450.4	480.6	504.9	528.3	555.3	567.0	580.5	610.2	639.9	674.1	714.6
32.5°	433.8	461.2	483.7	508.0	532.3	546.7	563.8	596.2	630.4	671.4	723.1
35°	417.1	439.2	459.9	482.8	512.1	527.4	544.0	578.2	621.0	670.0	730.3
37.5°	396.0	417.1	433.3	456.7	486.9	504.9	521.5	561.1	609.7	666.9	729.9
40°	374.4	392.4	407.7	432.0	464.8	481.5	499.5	542.7	598.0	657.9	719.1
42.5°	351.0	366.3	382.9	406.3	438.3	454.5	475.2	525.6	581.8	645.3	691.2
45°	326.2	341.1	355.0	379.3	411.3	428.8	451.3	503.1	562.0	618.7	646.2
47.5°	301.9	315.0	329.8	351.0	383.4	402.7	425.7	481.0	535.5	583.2	585.4
50°	278.5	288.9	301.5	323.1	356.8	375.3	399.1	450.9	504.0	536.8	514.8
52.5°	254.2	263.7	276.7	295.6	327.1	348.7	369.4	421.2	465.7	487.8	447.3
55°	230.4	238.5	252.0	273.1	300.6	317.2	338.4	386.5	425.7	426.1	382.0
57.5°	207.0	214.2	225.4	244.3	270.0	289.3	308.7	350.5	377.1	369.4	320.4
60°	186.3	190.8	201.1	219.6	243.4	257.4	278.1	313.2	330.7	316.8	264.1
62.5°	164.7	169.2	177.3	192.1	214.6	229.5	242.5	271.3	283.5	262.3	219.1
65°	143.1	148.5	154.3	166.0	187.2	197.1	208.8	229.9	241.6	216.9	179.5
67.5°	124.2	126.9	132.7	144.9	159.7	168.7	176.8	191.2	193.5	173.7	143.1
70°	106.6	107.5	112.9	120.1	131.4	136.8	143.5	152.1	152.1	135.9	111.6
72.5°	86.8	88.2	92.2	99.9	106.6	109.3	111.6	117.0	116.1	101.2	84.6
75°	69.7	70.6	73.8	77.4	80.1	85.0	86.8	85.9	85.5	72.9	63.4
77.5°	54.0	54.4	56.7	59.8	60.3	62.1	60.7	60.7	56.7	49.5	44.5
80°	39.6	40.0	40.9	41.8	41.8	41.8	41.8	39.6	36.9	32.4	31.0
82.5°	26.5	26.5	27.0	27.9	27.4	26.5	25.6	23.4	21.6	20.2	19.3
85°	15.7	15.7	16.2	15.7	13.9	13.5	12.6	12.1	11.7	11.2	11.2
87.5°	7.6	7.2	6.3	5.4	5.4	5.4	5.4	5.4	5.4	4.9	4.9
90°	0.4	1.0	1.6	2.3	2.9	3.2	3.5	4.0	4.6	5.1	5.7
92.5°	6.8	6.1	5.4	4.7	4.0	3.6	3.8	4.3	4.8	5.2	5.7
95°	20.3	20.1	19.8	19.6	19.3	19.2	17.7	14.7	11.7	8.7	5.7
97.5°	38.0	38.5	39.0	39.5	40.0	40.2	36.4	28.9	21.4	13.9	6.4
100°	59.4	59.6	59.8	60.1	60.3	60.4	60.6	60.9	61.2	61.6	61.9
102.5°	81.1	81.4	81.7	82.0	82.3	82.5	82.6	82.7	82.9	83.0	83.2
105°	104.5	104.8	105.1	105.4	105.7	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	128.7	128.7	128.7	128.7	128.7	128.7	128.8	128.9	129.1	129.2	129.4
110°	152.2	152.2	152.2	152.2	152.2	152.2	152.3	152.4	152.6	152.7	152.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	174.2	174.4	174.7	174.9	175.2	175.3	175.3	175.4	175.5	175.5	175.6
115°	196.3	196.7	197.1	197.4	197.8	198.0	198.0	198.1	198.2	198.3	198.4
117.5°	219.4	219.4	219.4	219.4	219.4	219.4	219.6	219.9	220.2	220.5	220.8
120°	240.7	240.6	240.5	240.4	240.3	240.3	240.4	240.7	240.9	241.2	241.4
122.5°	259.5	259.9	260.3	260.7	261.1	261.3	261.3	261.4	261.5	261.6	261.7
125°	279.1	279.7	280.2	280.8	281.3	281.6	281.6	281.6	281.6	281.6	281.6
127.5°	297.9	298.3	298.7	299.1	299.5	299.7	299.7	299.6	299.5	299.5	299.4
130°	315.0	315.4	315.8	316.2	316.6	316.8	316.8	316.9	317.0	317.0	317.1
132.5°	332.1	332.6	333.0	333.5	334.0	334.2	334.1	333.8	333.6	333.3	333.1
135°	348.1	348.6	349.0	349.5	350.0	350.2	350.1	350.0	349.8	349.7	349.5
137.5°	363.0	363.5	363.9	364.4	364.9	365.1	365.0	364.9	364.7	364.6	364.4
140°	377.6	377.8	377.9	378.1	378.2	378.3	378.3	378.2	378.1	378.0	377.9
142.5°	390.7	390.8	390.9	391.0	391.1	391.1	391.2	391.3	391.5	391.6	391.8
145°	403.5	403.7	403.8	404.0	404.1	404.2	404.2	404.2	404.2	404.2	404.2
147.5°	414.9	414.9	414.9	414.9	414.9	414.9	414.9	415.0	415.1	415.2	415.3
150°	425.6	425.4	425.3	425.1	425.0	424.9	425.0	425.1	425.3	425.4	425.6
152.5°	435.9	435.5	435.1	434.7	434.3	434.1	434.2	434.3	434.5	434.6	434.8
155°	444.4	443.9	443.5	443.0	442.5	442.3	442.4	442.5	442.7	442.8	443.0
157.5°	451.2	451.0	450.7	450.5	450.2	450.1	450.1	450.1	450.1	450.1	450.1
160°	458.3	457.8	457.4	456.9	456.4	456.2	456.2	456.3	456.4	456.4	456.5
162.5°	464.0	463.5	463.0	462.5	462.0	461.8	461.8	461.9	462.0	462.1	462.2
165°	469.0	468.5	468.0	467.5	467.0	466.8	466.8	466.9	467.0	467.1	467.2
167.5°	472.9	472.4	471.9	471.4	470.9	470.7	470.7	470.8	470.9	471.0	471.1
170°	476.1	475.5	475.0	474.4	473.9	473.6	473.6	473.7	473.8	473.8	473.9
172.5°	478.2	477.6	477.1	476.5	476.0	475.7	475.8	475.9	476.1	476.2	476.4
175°	479.6	479.1	478.7	478.2	477.7	477.5	477.5	477.6	477.7	477.7	477.8
177.5°	480.7	480.2	479.8	479.3	478.8	478.6	478.6	478.7	478.8	478.8	478.9
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	571.9	575.1	577.8	576.4	581.8	581.4	582.3	584.1	584.5	583.6	581.8
5°	603.0	607.5	615.1	619.2	618.3	621.9	623.7	626.4	629.1	628.2	628.2
7.5°	637.6	643.9	651.6	661.9	663.3	666.4	671.8	671.8	675.0	673.6	673.2
10°	667.8	675.4	687.6	695.7	699.3	701.1	706.5	708.3	711.9	712.3	712.3
12.5°	692.5	706.0	714.1	722.2	724.0	726.7	730.8	733.5	734.8	734.8	733.5
15°	705.6	716.4	725.8	734.4	739.3	741.6	745.6	748.8	750.6	754.6	755.5
17.5°	711.0	724.0	739.3	751.5	760.0	762.3	770.4	773.1	776.7	778.5	780.7
20°	718.6	737.5	756.0	770.8	778.9	784.8	793.3	805.9	809.5	809.5	808.2
22.5°	725.4	749.7	774.9	798.7	805.5	817.2	832.9	846.4	851.8	854.1	852.3
25°	733.5	766.8	799.6	829.3	847.8	856.3	877.5	893.7	900.0	903.6	904.5
27.5°	747.4	789.3	831.1	868.9	887.8	897.7	919.8	933.7	941.4	944.5	942.3
30°	763.2	814.5	863.1	896.8	909.4	921.6	936.0	941.4	939.6	939.6	946.3
32.5°	779.4	832.5	875.7	897.7	902.2	900.4	894.6	878.4	868.9	868.9	874.8
35°	788.4	834.3	856.3	849.1	831.6	821.2	789.3	771.3	751.0	749.7	756.4
37.5°	783.4	803.2	794.2	747.0	723.1	703.3	653.4	633.6	618.7	598.0	630.0
40°	748.8	742.0	695.2	627.3	600.7	572.8	533.2	513.4	492.7	489.6	497.2
42.5°	690.3	650.2	581.8	516.1	489.1	469.3	439.2	419.8	406.8	401.4	410.4
45°	617.4	554.4	486.0	433.8	404.1	393.7	366.3	349.2	339.3	335.2	341.5
47.5°	528.3	464.8	400.0	355.9	338.4	328.0	309.6	294.7	286.2	283.5	286.2
50°	448.6	383.4	328.9	300.6	284.8	276.3	261.0	251.5	244.8	243.0	247.5
52.5°	379.8	320.4	279.0	253.8	243.4	236.2	225.4	217.3	213.3	211.5	214.6
55°	318.1	270.0	236.7	215.1	207.4	202.9	193.5	189.0	184.5	184.0	187.2
57.5°	263.7	230.4	199.8	184.5	182.2	175.5	167.4	163.3	161.1	160.6	162.0
60°	219.6	189.9	171.4	157.9	154.8	149.4	144.9	142.2	139.5	138.6	139.5
62.5°	182.7	159.3	144.4	135.4	130.9	129.6	124.6	121.5	121.0	121.0	121.9
65°	150.7	130.9	121.5	114.3	111.1	109.8	106.2	103.9	104.4	104.4	104.8
67.5°	122.8	108.4	99.9	96.3	93.6	93.1	89.5	88.6	87.7	87.7	88.6
70°	97.6	88.6	82.3	80.5	80.1	76.9	75.6	75.1	73.8	74.2	74.2
72.5°	76.5	70.6	67.0	64.3	64.8	63.0	61.2	61.2	60.3	61.6	61.6
75°	56.7	54.0	51.3	50.4	51.3	50.4	49.0	48.6	49.0	48.6	48.6
77.5°	41.8	40.5	39.6	39.1	39.1	37.3	36.4	37.3	35.5	36.4	36.4
80°	29.2	27.4	27.0	26.1	26.5	25.2	25.6	24.7	24.7	24.7	24.7
82.5°	18.4	18.0	18.0	18.0	17.5	17.5	17.5	17.5	17.5	17.5	17.1
85°	11.2	10.8	10.8	10.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	4.5	4.9	4.9	5.4	4.9	4.5	4.5	4.5	4.9	4.9	4.5
90°	6.1	6.5	6.9	7.3	7.5	7.6	7.8	8.1	8.3	8.5	8.3
92.5°	6.1	6.5	6.9	7.3	7.5	7.5	7.6	7.7	7.7	7.8	7.7
95°	6.1	6.5	6.9	7.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	6.6	6.7	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.5	7.4
100°	50.1	38.3	26.6	14.8	8.9	8.7	8.4	8.1	7.8	7.5	7.8
102.5°	83.4	83.5	83.7	83.8	83.9	80.6	73.9	67.3	60.6	54.0	60.6
105°	105.9	105.9	105.9	105.9	105.9	105.9	105.8	105.7	105.7	105.6	105.7
107.5°	129.5	129.6	129.7	129.8	129.8	129.6	129.3	129.0	128.6	128.3	128.6
110°	152.7	152.4	152.2	151.9	151.8	151.8	151.9	152.0	152.1	152.2	152.1

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	175.3	175.0	174.7	174.4	174.2	174.1	174.0	173.8	173.7	173.5	173.7
115°	198.1	197.8	197.5	197.2	197.0	196.8	196.3	195.8	195.3	194.8	195.3
117.5°	220.3	219.9	219.4	218.9	218.7	218.6	218.4	218.3	218.1	217.9	218.1
120°	241.2	241.1	240.9	240.8	240.7	240.5	240.1	239.7	239.3	238.9	239.3
122.5°	261.5	261.4	261.2	261.1	261.0	260.8	260.3	259.8	259.3	258.8	259.3
125°	281.3	281.0	280.7	280.4	280.2	280.1	279.8	279.6	279.3	279.1	279.3
127.5°	299.2	299.1	298.9	298.8	298.7	298.4	297.7	297.1	296.4	295.8	296.4
130°	316.9	316.7	316.4	316.2	316.1	315.9	315.5	315.1	314.7	314.3	314.7
132.5°	333.1	333.1	333.1	333.1	333.1	332.9	332.5	332.2	331.8	331.4	331.8
135°	349.3	349.2	349.0	348.9	348.8	348.6	348.1	347.6	347.1	346.6	347.1
137.5°	364.4	364.4	364.4	364.4	364.4	364.2	363.8	363.4	363.0	362.6	363.0
140°	378.1	378.2	378.4	378.5	378.6	378.4	377.9	377.4	377.0	376.5	377.0
142.5°	391.8	391.8	391.8	391.8	391.8	391.6	391.1	390.6	390.2	389.7	390.2
145°	404.3	404.4	404.5	404.6	404.6	404.4	403.9	403.4	403.0	402.5	403.0
147.5°	415.4	415.4	415.5	415.6	415.6	415.3	414.8	414.2	413.7	413.1	413.7
150°	425.8	425.9	426.1	426.2	426.3	426.0	425.3	424.7	424.0	423.4	424.0
152.5°	435.0	435.1	435.3	435.4	435.5	435.2	434.7	434.1	433.6	433.0	433.6
155°	443.2	443.5	443.7	444.0	444.1	443.8	443.1	442.5	441.8	441.2	441.8
157.5°	450.3	450.6	450.8	451.1	451.2	450.9	450.2	449.6	448.9	448.3	448.9
160°	456.8	457.1	457.4	457.7	457.9	457.6	457.0	456.3	455.7	455.1	455.7
162.5°	462.7	463.1	463.6	464.1	464.3	463.9	463.2	462.5	461.8	461.1	461.8
165°	467.7	468.1	468.6	469.1	469.3	469.0	468.4	467.7	467.1	466.5	467.1
167.5°	471.7	472.2	472.8	473.3	473.6	473.2	472.5	471.8	471.1	470.4	471.1
170°	474.5	475.2	475.8	476.5	476.8	476.4	475.7	475.0	474.3	473.6	474.3
172.5°	477.0	477.5	478.1	478.6	478.9	478.5	477.8	477.1	476.4	475.7	476.4
175°	478.4	479.1	479.7	480.4	480.7	480.3	479.6	478.9	478.2	477.5	478.2
177.5°	479.5	480.0	480.6	481.1	481.4	481.1	480.5	479.8	479.2	478.6	479.2
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	584.1	580.9	582.3	580.9	579.6	578.2	575.1	570.6	567.0	564.3	563.8
5°	629.1	625.0	622.3	621.0	618.3	614.7	608.8	602.1	594.0	590.8	584.5
7.5°	670.5	669.1	662.8	661.9	660.1	653.4	643.5	634.5	624.1	615.6	607.5
10°	709.6	706.5	702.0	695.7	694.8	686.2	676.8	664.2	650.7	642.6	628.2
12.5°	733.9	730.3	725.4	721.3	719.1	713.7	700.6	688.0	675.9	661.0	648.4
15°	751.5	747.0	738.0	734.8	732.1	724.9	715.5	702.4	686.2	675.9	657.9
17.5°	775.3	769.9	760.9	755.1	750.1	738.9	725.4	707.8	692.5	680.8	664.6
20°	802.8	794.7	783.0	775.3	768.1	755.1	736.2	715.5	693.4	679.0	662.4
22.5°	848.2	832.9	814.5	803.7	793.8	771.3	748.8	723.1	698.4	676.8	656.5
25°	892.3	877.0	854.1	839.2	823.9	797.8	768.1	732.6	701.1	675.9	649.3
27.5°	933.3	917.5	896.4	878.4	863.5	824.4	785.2	745.2	705.1	670.5	643.5
30°	942.7	936.0	919.8	904.0	890.5	854.5	809.1	758.2	710.1	665.5	635.4
32.5°	885.6	902.2	906.3	904.0	895.5	869.8	828.0	774.4	717.3	663.3	621.9
35°	766.8	796.9	828.0	844.6	852.7	856.3	831.6	782.5	722.2	659.7	612.9
37.5°	635.8	665.1	714.1	738.9	766.3	802.3	812.2	780.7	720.0	657.0	598.5
40°	522.4	559.8	600.3	622.8	646.6	711.4	760.5	756.9	712.8	647.1	587.2
42.5°	425.2	448.6	484.2	508.9	538.2	610.6	676.3	708.7	691.2	634.9	572.8
45°	354.6	372.6	397.8	423.0	441.0	506.7	584.5	637.6	654.3	613.3	550.8
47.5°	298.8	312.3	334.3	350.1	369.4	421.2	488.7	563.4	598.5	582.7	527.4
50°	256.0	266.8	284.4	294.3	311.4	355.9	407.2	485.5	538.6	540.4	496.3
52.5°	218.7	229.5	244.3	252.9	263.2	293.4	345.1	411.3	472.5	495.0	460.8
55°	190.3	196.6	208.8	215.5	225.0	254.2	287.1	343.3	407.2	444.1	422.5
57.5°	164.2	171.0	178.6	184.0	190.8	214.2	243.9	286.2	349.6	389.7	382.5
60°	143.1	147.1	154.3	158.4	164.7	180.0	200.7	243.0	293.4	331.2	335.2
62.5°	123.3	126.9	131.8	135.4	139.5	151.6	166.9	197.1	241.2	282.1	287.5
65°	106.2	109.3	112.0	115.2	118.3	126.0	139.0	162.4	196.6	234.9	246.6
67.5°	90.9	91.8	95.8	96.3	98.1	103.9	113.4	132.3	157.0	187.6	202.9
70°	76.0	77.8	78.7	80.1	81.9	85.9	93.6	103.5	121.9	146.7	161.1
72.5°	61.6	62.1	63.4	64.3	66.1	69.3	72.9	80.5	92.2	110.2	123.3
75°	49.0	49.5	50.4	50.8	52.2	53.1	54.9	60.3	68.4	79.2	88.6
77.5°	36.9	37.8	38.7	38.7	39.1	40.0	40.9	42.7	46.8	54.0	62.1
80°	25.2	25.6	25.6	26.1	25.6	27.0	28.3	30.6	32.4	34.6	38.7
82.5°	17.5	17.5	17.5	18.0	18.0	18.4	18.4	18.9	19.3	20.7	22.5
85°	10.8	10.8	11.2	10.3	10.8	11.2	11.2	10.8	11.2	11.7	12.1
87.5°	4.5	4.5	4.9	4.9	4.9	4.9	4.5	4.9	4.5	4.9	4.9
90°	8.1	7.8	7.6	7.5	7.3	6.9	6.5	6.1	5.7	5.1	4.6
92.5°	7.7	7.6	7.5	7.5	7.3	6.9	6.5	6.1	5.7	5.2	4.8
95°	7.5	7.5	7.5	7.5	7.3	6.9	6.5	6.1	5.7	8.7	11.7
97.5°	7.3	7.2	7.1	7.1	7.0	6.9	6.7	6.6	6.4	13.9	21.4
100°	8.1	8.4	8.7	8.9	14.8	26.6	38.3	50.1	61.9	61.6	61.2
102.5°	67.3	73.9	80.6	83.9	83.8	83.7	83.5	83.4	83.2	83.0	82.9
105°	105.7	105.8	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	129.0	129.3	129.6	129.8	129.8	129.7	129.6	129.5	129.4	129.2	129.1
110°	152.0	151.9	151.8	151.8	151.9	152.2	152.4	152.7	152.9	152.7	152.6

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	173.8	174.0	174.1	174.2	174.4	174.7	175.0	175.3	175.6	175.5	175.5
115°	195.8	196.3	196.8	197.0	197.2	197.5	197.8	198.1	198.4	198.3	198.2
117.5°	218.3	218.4	218.6	218.7	218.9	219.4	219.9	220.3	220.8	220.5	220.2
120°	239.7	240.1	240.5	240.7	240.8	240.9	241.1	241.2	241.4	241.2	240.9
122.5°	259.8	260.3	260.8	261.0	261.1	261.2	261.4	261.5	261.7	261.6	261.5
125°	279.6	279.8	280.1	280.2	280.4	280.7	281.0	281.3	281.6	281.6	281.6
127.5°	297.1	297.7	298.4	298.7	298.8	298.9	299.1	299.2	299.4	299.5	299.5
130°	315.1	315.5	315.9	316.1	316.2	316.4	316.7	316.9	317.1	317.0	317.0
132.5°	332.2	332.5	332.9	333.1	333.1	333.1	333.1	333.1	333.1	333.3	333.6
135°	347.6	348.1	348.6	348.8	348.9	349.0	349.2	349.3	349.5	349.7	349.8
137.5°	363.4	363.8	364.2	364.4	364.4	364.4	364.4	364.4	364.4	364.6	364.7
140°	377.4	377.9	378.4	378.6	378.5	378.4	378.2	378.1	377.9	378.0	378.1
142.5°	390.6	391.1	391.6	391.8	391.8	391.8	391.8	391.8	391.8	391.6	391.5
145°	403.4	403.9	404.4	404.6	404.6	404.5	404.4	404.3	404.2	404.2	404.2
147.5°	414.2	414.8	415.3	415.6	415.6	415.5	415.4	415.4	415.3	415.2	415.1
150°	424.7	425.3	426.0	426.3	426.2	426.1	425.9	425.8	425.6	425.4	425.3
152.5°	434.1	434.7	435.2	435.5	435.4	435.3	435.1	435.0	434.8	434.6	434.5
155°	442.5	443.1	443.8	444.1	444.0	443.7	443.5	443.2	443.0	442.8	442.7
157.5°	449.6	450.2	450.9	451.2	451.1	450.8	450.6	450.3	450.1	450.1	450.1
160°	456.3	457.0	457.6	457.9	457.7	457.4	457.1	456.8	456.5	456.4	456.4
162.5°	462.5	463.2	463.9	464.3	464.1	463.6	463.1	462.7	462.2	462.1	462.0
165°	467.7	468.4	469.0	469.3	469.1	468.6	468.1	467.7	467.2	467.1	467.0
167.5°	471.8	472.5	473.2	473.6	473.3	472.8	472.2	471.7	471.1	471.0	470.9
170°	475.0	475.7	476.4	476.8	476.5	475.8	475.2	474.5	473.9	473.8	473.8
172.5°	477.1	477.8	478.5	478.9	478.6	478.1	477.5	477.0	476.4	476.2	476.1
175°	478.9	479.6	480.3	480.7	480.4	479.7	479.1	478.4	477.8	477.7	477.7
177.5°	479.8	480.5	481.1	481.4	481.1	480.6	480.0	479.5	478.9	478.8	478.8
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	562.5	559.8	558.0	557.5	554.8	552.6	549.9	549.4	548.1	544.5	542.2
5°	580.0	573.7	572.4	568.3	561.6	556.6	550.3	546.7	542.7	535.9	530.5
7.5°	598.0	589.5	583.2	577.3	567.9	558.9	549.9	542.7	535.5	525.6	517.5
10°	615.6	602.5	594.9	586.3	573.3	559.8	547.2	536.8	525.1	513.4	501.7
12.5°	631.8	615.1	603.9	591.7	575.5	558.9	542.7	528.3	516.1	500.4	487.3
15°	641.7	623.2	612.0	600.3	576.0	557.5	538.6	520.2	504.0	487.3	475.2
17.5°	647.5	626.8	614.2	603.4	578.7	553.5	529.2	509.4	491.8	472.0	455.8
20°	644.8	624.6	612.9	602.5	573.7	548.5	522.4	499.5	477.4	457.2	440.1
22.5°	639.0	617.8	604.8	595.3	569.7	540.0	511.2	486.4	463.5	443.2	423.9
25°	626.4	605.7	594.4	582.7	557.5	529.2	499.9	473.4	449.1	427.5	405.9
27.5°	615.1	589.9	578.2	567.9	541.3	516.1	487.3	458.1	433.3	410.8	389.2
30°	602.1	573.7	561.1	547.2	523.3	499.5	470.7	443.7	418.0	394.2	373.5
32.5°	588.1	555.3	540.9	525.1	500.8	478.3	454.0	427.5	401.8	378.4	356.8
35°	570.1	535.0	518.4	503.5	478.3	455.8	433.3	411.3	385.6	360.9	340.2
37.5°	553.0	514.3	496.8	479.7	453.1	431.5	413.1	392.4	367.6	343.8	324.0
40°	533.7	489.1	471.1	455.4	427.9	404.1	387.4	371.2	349.6	326.7	305.1
42.5°	516.1	465.7	446.8	430.6	401.8	379.3	363.6	350.1	331.2	310.0	288.0
45°	491.8	440.5	421.2	404.1	374.8	353.7	337.5	325.8	310.9	291.1	271.3
47.5°	469.3	416.2	395.1	374.4	347.8	326.2	311.4	302.4	292.5	274.9	254.7
50°	441.9	388.3	366.7	349.6	319.5	301.0	286.2	279.9	270.9	254.2	238.0
52.5°	412.2	361.3	341.1	320.4	292.5	274.5	261.4	254.2	247.0	234.9	219.6
55°	377.5	331.2	312.3	293.8	265.9	249.3	237.6	229.9	225.9	214.6	203.4
57.5°	344.2	300.6	283.0	265.9	241.6	222.7	215.1	208.3	202.5	194.4	184.9
60°	310.5	270.9	252.0	236.7	215.5	198.4	192.1	185.4	180.9	174.6	167.8
62.5°	271.8	238.0	223.6	209.2	191.2	177.7	170.5	165.1	159.3	155.2	149.4
65°	230.8	207.0	193.0	182.2	165.1	153.0	147.6	144.0	139.0	135.0	130.5
67.5°	192.6	173.7	167.8	156.1	143.1	132.3	128.2	123.7	119.7	117.4	113.4
70°	155.7	142.2	136.3	133.2	118.8	111.6	108.0	106.2	101.2	99.0	96.3
72.5°	120.6	115.6	111.6	107.5	98.1	93.6	89.5	87.7	84.1	82.3	81.4
75°	89.1	85.9	83.7	83.2	79.2	74.7	70.6	69.7	67.0	65.2	64.3
77.5°	62.5	61.6	61.2	61.6	58.9	56.2	55.3	54.4	51.3	50.8	50.8
80°	40.9	43.2	43.2	42.7	41.8	41.4	40.0	39.1	37.3	36.9	37.3
82.5°	25.2	26.5	27.0	27.9	27.4	27.0	26.1	25.6	26.1	25.2	25.6
85°	12.6	13.5	15.3	15.3	15.7	15.7	15.7	15.3	14.4	14.8	14.4
87.5°	4.9	5.4	5.4	5.4	4.9	6.3	6.7	6.7	6.7	5.8	5.8
90°	4.0	3.5	3.2	2.9	2.3	1.6	1.0	0.4	1.0	1.6	2.3
92.5°	4.3	3.8	3.6	4.0	4.7	5.4	6.1	6.8	6.1	5.4	4.7
95°	14.7	17.7	19.2	19.3	19.6	19.8	20.1	20.3	20.1	19.8	19.6
97.5°	28.9	36.4	40.2	40.0	39.5	39.0	38.5	38.0	38.5	39.0	39.5
100°	60.9	60.6	60.4	60.3	60.1	59.8	59.6	59.4	59.6	59.8	60.1
102.5°	82.7	82.6	82.5	82.3	82.0	81.7	81.4	81.1	81.4	81.7	82.0
105°	105.9	105.9	105.9	105.7	105.4	105.1	104.8	104.5	104.8	105.1	105.4
107.5°	128.9	128.8	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
110°	152.4	152.3	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2	152.2

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	175.4	175.3	175.3	175.2	174.9	174.7	174.4	174.2	174.4	174.7	174.9
115°	198.1	198.0	198.0	197.8	197.4	197.1	196.7	196.3	196.7	197.1	197.4
117.5°	219.9	219.6	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4
120°	240.7	240.4	240.3	240.3	240.4	240.5	240.6	240.7	240.6	240.5	240.4
122.5°	261.4	261.3	261.3	261.1	260.7	260.3	259.9	259.5	259.9	260.3	260.7
125°	281.6	281.6	281.6	281.3	280.8	280.2	279.7	279.1	279.7	280.2	280.8
127.5°	299.6	299.7	299.7	299.5	299.1	298.7	298.3	297.9	298.3	298.7	299.1
130°	316.9	316.8	316.8	316.6	316.2	315.8	315.4	315.0	315.4	315.8	316.2
132.5°	333.8	334.1	334.2	334.0	333.5	333.0	332.6	332.1	332.6	333.0	333.5
135°	350.0	350.1	350.2	350.0	349.5	349.0	348.6	348.1	348.6	349.0	349.5
137.5°	364.9	365.0	365.1	364.9	364.4	363.9	363.5	363.0	363.5	363.9	364.4
140°	378.2	378.3	378.3	378.2	378.1	377.9	377.8	377.6	377.8	377.9	378.1
142.5°	391.3	391.2	391.1	391.1	391.0	390.9	390.8	390.7	390.8	390.9	391.0
145°	404.2	404.2	404.2	404.1	404.0	403.8	403.7	403.5	403.7	403.8	404.0
147.5°	415.0	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9	414.9
150°	425.1	425.0	424.9	425.0	425.1	425.3	425.4	425.6	425.4	425.3	425.1
152.5°	434.3	434.2	434.1	434.3	434.7	435.1	435.5	435.9	435.5	435.1	434.7
155°	442.5	442.4	442.3	442.5	443.0	443.5	443.9	444.4	443.9	443.5	443.0
157.5°	450.1	450.1	450.1	450.2	450.5	450.7	451.0	451.2	451.0	450.7	450.5
160°	456.3	456.2	456.2	456.4	456.9	457.4	457.8	458.3	457.8	457.4	456.9
162.5°	461.9	461.8	461.8	462.0	462.5	463.0	463.5	464.0	463.5	463.0	462.5
165°	466.9	466.8	466.8	467.0	467.5	468.0	468.5	469.0	468.5	468.0	467.5
167.5°	470.8	470.7	470.7	470.9	471.4	471.9	472.4	472.9	472.4	471.9	471.4
170°	473.7	473.6	473.6	473.9	474.4	475.0	475.5	476.1	475.5	475.0	474.4
172.5°	475.9	475.8	475.7	476.0	476.5	477.1	477.6	478.2	477.6	477.1	476.5
175°	477.6	477.5	477.5	477.7	478.2	478.7	479.1	479.6	479.1	478.7	478.2
177.5°	478.7	478.6	478.6	478.8	479.3	479.8	480.2	480.7	480.2	479.8	479.3
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	540.9	539.1	537.7	536.4	530.5	524.2	523.3	522.0	519.3	522.4	521.1
5°	526.9	522.9	520.6	514.8	507.6	502.2	497.7	492.3	490.0	488.2	487.8
7.5°	509.8	506.2	502.2	496.3	487.3	478.3	471.6	466.2	461.7	459.4	459.4
10°	493.2	488.7	483.3	473.4	464.8	453.6	446.4	441.0	434.7	431.1	427.9
12.5°	476.1	471.1	466.2	453.6	443.7	432.0	421.6	414.9	411.7	407.7	402.3
15°	459.0	451.3	446.4	433.8	421.2	409.5	402.7	395.5	388.3	384.3	382.5
17.5°	441.0	435.6	427.5	414.0	400.0	389.7	379.8	373.0	364.5	360.4	356.4
20°	424.8	416.7	408.6	395.1	381.6	367.6	357.7	349.6	344.2	341.1	337.5
22.5°	405.4	397.8	391.0	376.6	361.8	348.7	337.9	333.0	327.6	322.6	319.0
25°	388.8	381.1	374.4	358.6	342.4	330.3	322.2	315.9	310.0	307.8	304.2
27.5°	371.2	364.0	355.0	339.3	324.9	314.5	306.0	300.1	295.6	291.1	288.4
30°	354.6	346.5	338.4	321.3	309.6	299.2	291.1	283.9	280.3	278.1	273.6
32.5°	338.4	328.0	321.3	305.5	294.3	284.4	277.6	271.3	266.8	262.8	259.2
35°	320.8	309.6	302.8	289.8	278.1	268.2	262.3	257.8	252.4	248.8	247.0
37.5°	304.2	294.7	288.0	274.5	262.8	254.7	248.4	242.5	240.3	235.3	234.4
40°	286.2	278.1	271.8	258.7	247.9	241.6	234.9	229.5	225.4	223.2	220.0
42.5°	270.0	263.2	256.5	244.3	234.0	226.3	221.4	216.4	212.8	209.2	207.0
45°	255.1	247.9	241.6	229.9	219.6	212.8	207.9	202.0	201.1	196.2	193.9
47.5°	239.4	233.1	227.7	215.5	206.1	199.3	193.5	189.4	185.4	183.6	180.4
50°	224.1	217.8	211.5	200.7	192.1	185.4	179.5	175.0	172.8	170.1	167.4
52.5°	207.4	202.5	197.5	186.3	177.7	171.9	166.9	161.1	158.8	156.6	154.8
55°	193.5	186.3	180.9	171.4	163.8	157.5	152.1	147.6	145.3	143.5	141.3
57.5°	174.6	170.1	165.6	157.0	149.8	143.5	138.1	134.5	131.8	130.5	130.9
60°	158.4	153.4	150.7	141.7	134.5	129.6	124.6	121.0	118.3	117.0	116.5
62.5°	141.3	137.7	132.7	126.4	119.2	114.7	111.1	108.4	103.9	103.5	102.1
65°	124.6	121.9	117.4	111.6	105.7	101.7	97.6	94.0	92.2	90.0	88.6
67.5°	108.4	105.7	101.7	96.7	92.7	88.6	85.0	81.4	78.3	76.5	75.6
70°	92.7	90.4	87.7	81.9	76.9	73.8	71.1	68.8	65.7	64.8	64.3
72.5°	77.4	75.1	73.8	68.8	64.3	61.6	58.9	56.7	55.3	54.9	53.5
75°	63.4	61.2	59.4	54.9	52.2	50.4	47.7	46.8	45.4	45.0	44.5
77.5°	49.5	47.2	46.8	43.6	40.5	39.6	38.7	36.9	36.9	36.9	36.0
80°	35.5	35.1	34.6	31.5	30.1	29.2	28.8	27.4	26.5	25.6	25.2
82.5°	23.8	23.4	22.9	21.6	20.2	19.8	19.3	18.4	18.4	18.9	18.0
85°	14.4	13.5	13.0	12.6	11.7	11.7	12.1	11.7	11.7	11.7	11.2
87.5°	5.4	5.4	5.4	5.4	5.8	4.9	5.4	5.4	4.9	4.9	4.5
90°	2.9	3.2	3.5	4.0	4.6	5.1	5.7	6.1	6.5	6.9	7.3
92.5°	4.0	3.6	3.8	4.3	4.8	5.2	5.7	6.1	6.5	6.9	7.3
95°	19.3	19.2	17.7	14.7	11.7	8.7	5.7	6.1	6.5	6.9	7.3
97.5°	40.0	40.2	36.4	28.9	21.4	13.9	6.4	6.6	6.7	6.9	7.0
100°	60.3	60.4	60.6	60.9	61.2	61.6	61.9	50.1	38.3	26.6	14.8
102.5°	82.3	82.5	82.6	82.7	82.9	83.0	83.2	83.4	83.5	83.7	83.8
105°	105.7	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
107.5°	128.7	128.7	128.8	128.9	129.1	129.2	129.4	129.5	129.6	129.7	129.8
110°	152.2	152.2	152.3	152.4	152.6	152.7	152.9	152.7	152.4	152.2	151.9

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	175.2	175.3	175.3	175.4	175.5	175.5	175.6	175.3	175.0	174.7	174.4
115°	197.8	198.0	198.0	198.1	198.2	198.3	198.4	198.1	197.8	197.5	197.2
117.5°	219.4	219.4	219.6	219.9	220.2	220.5	220.8	220.3	219.9	219.4	218.9
120°	240.3	240.3	240.4	240.7	240.9	241.2	241.4	241.2	241.1	240.9	240.8
122.5°	261.1	261.3	261.3	261.4	261.5	261.6	261.7	261.5	261.4	261.2	261.1
125°	281.3	281.6	281.6	281.6	281.6	281.6	281.6	281.3	281.0	280.7	280.4
127.5°	299.5	299.7	299.7	299.6	299.5	299.5	299.4	299.2	299.1	298.9	298.8
130°	316.6	316.8	316.8	316.9	317.0	317.0	317.1	316.9	316.7	316.4	316.2
132.5°	334.0	334.2	334.1	333.8	333.6	333.3	333.1	333.1	333.1	333.1	333.1
135°	350.0	350.2	350.1	350.0	349.8	349.7	349.5	349.3	349.2	349.0	348.9
137.5°	364.9	365.1	365.0	364.9	364.7	364.6	364.4	364.4	364.4	364.4	364.4
140°	378.2	378.3	378.3	378.2	378.1	378.0	377.9	378.1	378.2	378.4	378.5
142.5°	391.1	391.1	391.2	391.3	391.5	391.6	391.8	391.8	391.8	391.8	391.8
145°	404.1	404.2	404.2	404.2	404.2	404.2	404.2	404.3	404.4	404.5	404.6
147.5°	414.9	414.9	414.9	415.0	415.1	415.2	415.3	415.4	415.4	415.5	415.6
150°	425.0	424.9	425.0	425.1	425.3	425.4	425.6	425.8	425.9	426.1	426.2
152.5°	434.3	434.1	434.2	434.3	434.5	434.6	434.8	435.0	435.1	435.3	435.4
155°	442.5	442.3	442.4	442.5	442.7	442.8	443.0	443.2	443.5	443.7	444.0
157.5°	450.2	450.1	450.1	450.1	450.1	450.1	450.1	450.3	450.6	450.8	451.1
160°	456.4	456.2	456.2	456.3	456.4	456.4	456.5	456.8	457.1	457.4	457.7
162.5°	462.0	461.8	461.8	461.9	462.0	462.1	462.2	462.7	463.1	463.6	464.1
165°	467.0	466.8	466.8	466.9	467.0	467.1	467.2	467.7	468.1	468.6	469.1
167.5°	470.9	470.7	470.7	470.8	470.9	471.0	471.1	471.7	472.2	472.8	473.3
170°	473.9	473.6	473.6	473.7	473.8	473.8	473.9	474.5	475.2	475.8	476.5
172.5°	476.0	475.7	475.8	475.9	476.1	476.2	476.4	477.0	477.5	478.1	478.6
175°	477.7	477.5	477.5	477.6	477.7	477.7	477.8	478.4	479.1	479.7	480.4
177.5°	478.8	478.6	478.6	478.7	478.8	478.8	478.9	479.5	480.0	480.6	481.1
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	518.8	519.7	517.5	516.6	514.8	517.0	517.5	517.0	521.1	519.3	520.2
5°	488.7	486.9	485.5	482.4	482.4	482.8	484.2	481.9	483.3	486.4	486.0
7.5°	455.4	454.5	454.9	451.3	448.6	449.5	448.6	452.7	454.9	454.0	455.8
10°	425.2	427.0	423.0	421.2	419.4	421.2	420.7	421.6	424.3	426.1	429.3
12.5°	400.9	400.5	398.2	396.4	393.3	394.2	396.9	396.0	396.4	400.5	400.0
15°	378.0	375.3	373.5	369.4	370.3	367.2	369.9	373.0	374.4	378.0	380.2
17.5°	355.0	354.6	352.3	351.9	346.9	345.6	348.3	349.2	350.5	352.3	355.5
20°	335.7	335.2	332.1	331.2	327.1	329.8	328.9	330.7	331.6	335.2	336.6
22.5°	318.1	315.9	315.0	313.6	312.3	311.8	313.6	313.2	316.3	317.7	318.1
25°	301.9	300.1	299.7	297.4	296.5	295.2	296.5	297.9	301.5	302.8	304.6
27.5°	287.1	285.7	284.8	283.0	281.7	281.7	282.6	284.4	285.7	286.6	287.5
30°	273.6	272.7	270.0	269.1	267.7	267.7	267.7	268.6	270.9	273.6	274.9
32.5°	259.6	257.8	256.0	256.0	254.7	254.7	255.1	256.0	258.3	258.7	261.0
35°	246.1	244.3	243.0	242.1	242.5	240.7	241.6	243.0	245.7	246.6	247.9
37.5°	233.1	232.6	229.9	228.6	229.5	229.5	229.0	229.9	231.7	233.5	234.4
40°	218.7	217.8	217.8	216.4	216.9	215.1	216.4	217.3	218.2	220.0	221.4
42.5°	206.1	205.2	203.4	203.8	202.5	202.5	203.4	203.8	205.2	207.4	208.3
45°	192.6	192.6	191.7	190.3	190.8	189.4	190.3	190.8	192.6	194.8	193.9
47.5°	179.5	179.1	179.1	177.3	178.2	176.8	178.2	178.6	179.5	180.9	180.4
50°	166.9	165.6	166.0	165.6	165.1	165.1	166.0	166.0	166.9	166.9	168.3
52.5°	153.9	153.9	153.0	153.4	154.3	153.4	154.8	153.4	154.3	154.8	155.7
55°	142.2	141.3	141.7	141.3	143.1	141.7	143.1	142.2	143.1	142.6	143.5
57.5°	129.6	128.2	128.7	128.2	129.6	129.1	130.5	129.1	129.6	130.0	131.4
60°	115.2	115.2	115.2	114.3	115.6	115.6	115.2	115.2	117.0	117.9	117.4
62.5°	101.7	101.2	99.9	99.4	99.9	99.0	100.8	100.3	101.2	102.1	103.0
65°	86.8	85.9	85.5	84.6	84.6	84.1	84.6	86.4	86.8	87.3	89.5
67.5°	74.7	74.2	73.8	72.4	72.4	73.3	73.3	73.3	76.0	74.7	76.5
70°	63.9	63.0	62.1	61.6	61.6	62.1	62.5	63.0	62.5	64.3	64.8
72.5°	53.5	54.0	53.1	53.1	53.1	52.6	52.6	53.5	54.0	53.5	54.0
75°	44.5	44.5	44.1	44.5	44.5	44.1	44.1	45.0	45.0	44.5	45.9
77.5°	36.0	35.5	34.6	33.7	34.2	33.7	34.2	33.7	35.1	36.4	35.5
80°	25.2	24.7	24.7	24.7	25.2	24.7	25.6	24.7	25.2	25.2	25.6
82.5°	18.0	18.4	18.4	18.0	18.4	18.0	18.4	18.4	18.4	18.0	18.4
85°	11.7	11.7	11.7	11.7	11.2	11.7	11.7	11.7	12.1	11.7	12.1
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.4	4.9	5.4
90°	7.5	7.6	7.8	8.1	8.3	8.5	8.3	8.1	7.8	7.6	7.5
92.5°	7.5	7.5	7.6	7.7	7.7	7.8	7.7	7.7	7.6	7.5	7.5
95°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
97.5°	7.1	7.1	7.2	7.3	7.4	7.5	7.4	7.3	7.2	7.1	7.1
100°	8.9	8.7	8.4	8.1	7.8	7.5	7.8	8.1	8.4	8.7	8.9
102.5°	83.9	80.6	73.9	67.3	60.6	54.0	60.6	67.3	73.9	80.6	83.9
105°	105.9	105.9	105.8	105.7	105.7	105.6	105.7	105.7	105.8	105.9	105.9
107.5°	129.8	129.6	129.3	129.0	128.6	128.3	128.6	129.0	129.3	129.6	129.8
110°	151.8	151.8	151.9	152.0	152.1	152.2	152.1	152.0	151.9	151.8	151.8

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	174.2	174.1	174.0	173.8	173.7	173.5	173.7	173.8	174.0	174.1	174.2
115°	197.0	196.8	196.3	195.8	195.3	194.8	195.3	195.8	196.3	196.8	197.0
117.5°	218.7	218.6	218.4	218.3	218.1	217.9	218.1	218.3	218.4	218.6	218.7
120°	240.7	240.5	240.1	239.7	239.3	238.9	239.3	239.7	240.1	240.5	240.7
122.5°	261.0	260.8	260.3	259.8	259.3	258.8	259.3	259.8	260.3	260.8	261.0
125°	280.2	280.1	279.8	279.6	279.3	279.1	279.3	279.6	279.8	280.1	280.2
127.5°	298.7	298.4	297.7	297.1	296.4	295.8	296.4	297.1	297.7	298.4	298.7
130°	316.1	315.9	315.5	315.1	314.7	314.3	314.7	315.1	315.5	315.9	316.1
132.5°	333.1	332.9	332.5	332.2	331.8	331.4	331.8	332.2	332.5	332.9	333.1
135°	348.8	348.6	348.1	347.6	347.1	346.6	347.1	347.6	348.1	348.6	348.8
137.5°	364.4	364.2	363.8	363.4	363.0	362.6	363.0	363.4	363.8	364.2	364.4
140°	378.6	378.4	377.9	377.4	377.0	376.5	377.0	377.4	377.9	378.4	378.6
142.5°	391.8	391.6	391.1	390.6	390.2	389.7	390.2	390.6	391.1	391.6	391.8
145°	404.6	404.4	403.9	403.4	403.0	402.5	403.0	403.4	403.9	404.4	404.6
147.5°	415.6	415.3	414.8	414.2	413.7	413.1	413.7	414.2	414.8	415.3	415.6
150°	426.3	426.0	425.3	424.7	424.0	423.4	424.0	424.7	425.3	426.0	426.3
152.5°	435.5	435.2	434.7	434.1	433.6	433.0	433.6	434.1	434.7	435.2	435.5
155°	444.1	443.8	443.1	442.5	441.8	441.2	441.8	442.5	443.1	443.8	444.1
157.5°	451.2	450.9	450.2	449.6	448.9	448.3	448.9	449.6	450.2	450.9	451.2
160°	457.9	457.6	457.0	456.3	455.7	455.1	455.7	456.3	457.0	457.6	457.9
162.5°	464.3	463.9	463.2	462.5	461.8	461.1	461.8	462.5	463.2	463.9	464.3
165°	469.3	469.0	468.4	467.7	467.1	466.5	467.1	467.7	468.4	469.0	469.3
167.5°	473.6	473.2	472.5	471.8	471.1	470.4	471.1	471.8	472.5	473.2	473.6
170°	476.8	476.4	475.7	475.0	474.3	473.6	474.3	475.0	475.7	476.4	476.8
172.5°	478.9	478.5	477.8	477.1	476.4	475.7	476.4	477.1	477.8	478.5	478.9
175°	480.7	480.3	479.6	478.9	478.2	477.5	478.2	478.9	479.6	480.3	480.7
177.5°	481.4	481.1	480.5	479.8	479.2	478.6	479.2	479.8	480.5	481.1	481.4
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1	548.1
2.5°	518.4	520.6	518.8	517.5	521.1	522.9	522.9	526.0	529.2	531.9	532.3
5°	486.4	490.0	490.9	490.5	495.9	498.6	504.4	507.6	512.1	515.2	518.8
7.5°	457.2	462.1	462.6	463.5	471.6	476.1	481.0	489.1	495.4	499.9	504.0
10°	427.9	431.1	434.2	438.3	446.4	454.0	461.2	469.8	477.9	482.4	488.2
12.5°	405.9	408.1	411.7	414.4	423.0	429.7	439.2	450.9	462.6	466.2	473.4
15°	382.9	384.3	391.5	394.2	401.4	412.6	418.5	429.7	442.3	449.1	457.2
17.5°	356.4	364.5	369.0	372.1	381.1	390.1	399.6	411.3	427.5	433.8	439.6
20°	337.5	343.3	348.3	352.3	360.4	373.9	382.5	391.9	407.2	414.4	423.0
22.5°	320.8	325.8	330.3	334.8	340.2	352.3	362.2	375.3	390.6	397.3	407.2
25°	305.1	310.0	312.7	318.1	325.3	333.9	345.6	357.3	372.6	380.2	389.7
27.5°	289.8	294.7	299.7	304.2	309.1	317.2	325.3	340.2	355.9	364.9	373.0
30°	276.7	279.0	283.5	288.4	293.4	301.0	310.5	320.8	338.8	346.9	356.8
32.5°	262.3	266.4	269.5	273.1	279.4	285.7	294.3	307.3	321.7	329.4	340.2
35°	248.8	252.4	254.7	261.0	265.0	271.8	280.3	292.0	304.2	312.7	322.2
37.5°	235.8	239.4	242.1	245.7	251.1	256.9	265.9	274.5	288.9	296.1	306.9
40°	222.3	225.4	228.6	232.6	237.6	244.8	250.2	261.0	272.7	280.8	288.9
42.5°	209.2	211.0	214.6	219.1	224.1	230.4	238.0	246.6	258.3	265.5	272.7
45°	195.3	198.4	202.5	205.6	210.1	216.4	223.2	230.8	242.5	249.7	257.4
47.5°	182.2	184.5	187.2	192.1	198.0	202.5	209.7	216.9	227.7	234.4	241.6
50°	168.7	171.0	175.0	178.2	182.7	188.5	195.3	202.9	213.3	217.8	225.0
52.5°	156.1	157.0	161.1	164.2	168.7	175.5	180.9	187.6	197.5	202.5	209.7
55°	143.5	144.4	146.7	149.8	154.8	160.2	166.0	173.7	182.2	186.7	193.5
57.5°	130.5	131.4	133.6	135.9	140.8	145.8	152.5	158.8	167.4	171.4	177.7
60°	117.4	117.4	119.7	122.8	126.4	130.9	136.8	144.4	150.7	155.7	160.2
62.5°	103.5	104.8	106.2	108.4	112.5	117.9	122.8	128.2	135.9	139.5	143.5
65°	89.5	90.9	93.6	95.8	99.0	102.6	108.9	113.4	119.2	123.3	126.9
67.5°	77.4	78.7	80.5	83.2	85.5	89.5	94.0	98.5	104.8	107.5	110.2
70°	64.8	66.1	67.5	71.1	73.3	76.5	79.6	84.1	89.5	91.3	93.6
72.5°	54.9	55.3	57.1	58.0	61.2	63.9	67.5	70.2	74.2	76.5	78.3
75°	46.3	46.3	46.8	47.7	49.5	51.3	54.0	56.7	60.3	61.6	63.9
77.5°	36.4	37.8	37.3	38.2	39.1	40.0	42.3	44.1	47.7	48.6	49.5
80°	26.1	26.5	27.9	29.2	29.2	30.6	31.9	32.4	34.6	36.0	36.0
82.5°	18.9	19.3	18.9	19.3	19.8	20.2	21.6	23.4	23.4	23.8	24.7
85°	11.7	11.7	12.1	12.6	12.6	12.1	13.0	12.6	13.0	13.9	13.9
87.5°	5.8	5.4	5.4	5.4	5.4	5.4	5.8	5.4	5.8	5.8	5.8
90°	7.3	6.9	6.5	6.1	5.7	5.1	4.6	4.0	3.5	3.2	2.9
92.5°	7.3	6.9	6.5	6.1	5.7	5.2	4.8	4.3	3.8	3.6	4.0
95°	7.3	6.9	6.5	6.1	5.7	8.7	11.7	14.7	17.7	19.2	19.3
97.5°	7.0	6.9	6.7	6.6	6.4	13.9	21.4	28.9	36.4	40.2	40.0
100°	14.8	26.6	38.3	50.1	61.9	61.6	61.2	60.9	60.6	60.4	60.3
102.5°	83.8	83.7	83.5	83.4	83.2	83.0	82.9	82.7	82.6	82.5	82.3
105°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.7
107.5°	129.8	129.7	129.6	129.5	129.4	129.2	129.1	128.9	128.8	128.7	128.7
110°	151.9	152.2	152.4	152.7	152.9	152.7	152.6	152.4	152.3	152.2	152.2

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	174.4	174.7	175.0	175.3	175.6	175.5	175.5	175.4	175.3	175.3	175.2
115°	197.2	197.5	197.8	198.1	198.4	198.3	198.2	198.1	198.0	198.0	197.8
117.5°	218.9	219.4	219.9	220.3	220.8	220.5	220.2	219.9	219.6	219.4	219.4
120°	240.8	240.9	241.1	241.2	241.4	241.2	240.9	240.7	240.4	240.3	240.3
122.5°	261.1	261.2	261.4	261.5	261.7	261.6	261.5	261.4	261.3	261.3	261.1
125°	280.4	280.7	281.0	281.3	281.6	281.6	281.6	281.6	281.6	281.6	281.3
127.5°	298.8	298.9	299.1	299.2	299.4	299.5	299.5	299.6	299.7	299.7	299.5
130°	316.2	316.4	316.7	316.9	317.1	317.0	317.0	316.9	316.8	316.8	316.6
132.5°	333.1	333.1	333.1	333.1	333.1	333.3	333.6	333.8	334.1	334.2	334.0
135°	348.9	349.0	349.2	349.3	349.5	349.7	349.8	350.0	350.1	350.2	350.0
137.5°	364.4	364.4	364.4	364.4	364.4	364.6	364.7	364.9	365.0	365.1	364.9
140°	378.5	378.4	378.2	378.1	377.9	378.0	378.1	378.2	378.3	378.3	378.2
142.5°	391.8	391.8	391.8	391.8	391.8	391.6	391.5	391.3	391.2	391.1	391.1
145°	404.6	404.5	404.4	404.3	404.2	404.2	404.2	404.2	404.2	404.2	404.1
147.5°	415.6	415.5	415.4	415.4	415.3	415.2	415.1	415.0	414.9	414.9	414.9
150°	426.2	426.1	425.9	425.8	425.6	425.4	425.3	425.1	425.0	424.9	425.0
152.5°	435.4	435.3	435.1	435.0	434.8	434.6	434.5	434.3	434.2	434.1	434.3
155°	444.0	443.7	443.5	443.2	443.0	442.8	442.7	442.5	442.4	442.3	442.5
157.5°	451.1	450.8	450.6	450.3	450.1	450.1	450.1	450.1	450.1	450.1	450.2
160°	457.7	457.4	457.1	456.8	456.5	456.4	456.4	456.3	456.2	456.2	456.4
162.5°	464.1	463.6	463.1	462.7	462.2	462.1	462.0	461.9	461.8	461.8	462.0
165°	469.1	468.6	468.1	467.7	467.2	467.1	467.0	466.9	466.8	466.8	467.0
167.5°	473.3	472.8	472.2	471.7	471.1	471.0	470.9	470.8	470.7	470.7	470.9
170°	476.5	475.8	475.2	474.5	473.9	473.8	473.8	473.7	473.6	473.6	473.9
172.5°	478.6	478.1	477.5	477.0	476.4	476.2	476.1	475.9	475.8	475.7	476.0
175°	480.4	479.7	479.1	478.4	477.8	477.7	477.7	477.6	477.5	477.5	477.7
177.5°	481.1	480.6	480.0	479.5	478.9	478.8	478.8	478.7	478.6	478.6	478.8
180°	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6	479.6

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	548.1	548.1	548.1	548.1
2.5°	535.5	539.5	543.6	548.5
5°	524.7	531.9	539.5	546.7
7.5°	513.0	523.3	533.2	543.6
10°	499.9	513.0	524.2	538.6
12.5°	485.5	499.5	515.2	531.4
15°	471.1	488.7	505.3	523.8
17.5°	457.6	474.3	492.7	514.8
20°	441.4	459.9	480.6	504.0
22.5°	424.3	444.6	467.1	492.3
25°	409.9	430.6	452.2	478.8
27.5°	394.2	415.8	436.9	465.3
30°	376.2	399.6	421.2	450.4
32.5°	359.1	382.5	406.3	433.8
35°	342.4	365.4	389.2	417.1
37.5°	326.7	347.4	370.8	396.0
40°	311.8	330.7	351.4	374.4
42.5°	292.9	315.0	334.3	351.0
45°	276.7	294.7	312.7	326.2
47.5°	257.8	275.8	291.1	301.9
50°	242.1	256.5	269.1	278.5
52.5°	223.2	236.7	247.0	254.2
55°	204.7	216.4	225.4	230.4
57.5°	188.1	195.7	202.5	207.0
60°	169.6	175.5	181.3	186.3
62.5°	149.8	156.1	159.3	164.7
65°	132.3	136.3	141.3	143.1
67.5°	115.2	117.4	120.6	124.2
70°	97.2	98.5	101.7	106.6
72.5°	81.4	82.8	85.0	86.8
75°	64.8	66.1	67.9	69.7
77.5°	50.8	51.3	52.2	54.0
80°	36.9	38.2	39.1	39.6
82.5°	25.6	26.1	26.1	26.5
85°	16.2	15.3	15.3	15.7
87.5°	5.8	6.7	6.7	7.6
90°	2.3	1.6	1.0	0.4
92.5°	4.7	5.4	6.1	6.8
95°	19.6	19.8	20.1	20.3
97.5°	39.5	39.0	38.5	38.0
100°	60.1	59.8	59.6	59.4
102.5°	82.0	81.7	81.4	81.1
105°	105.4	105.1	104.8	104.5
107.5°	128.7	128.7	128.7	128.7
110°	152.2	152.2	152.2	152.2

TEST NUMBER: P1027175

CATALOG NUMBER: S125RDIP-B375D375UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	174.9	174.7	174.4	174.2
115°	197.4	197.1	196.7	196.3
117.5°	219.4	219.4	219.4	219.4
120°	240.4	240.5	240.6	240.7
122.5°	260.7	260.3	259.9	259.5
125°	280.8	280.2	279.7	279.1
127.5°	299.1	298.7	298.3	297.9
130°	316.2	315.8	315.4	315.0
132.5°	333.5	333.0	332.6	332.1
135°	349.5	349.0	348.6	348.1
137.5°	364.4	363.9	363.5	363.0
140°	378.1	377.9	377.8	377.6
142.5°	391.0	390.9	390.8	390.7
145°	404.0	403.8	403.7	403.5
147.5°	414.9	414.9	414.9	414.9
150°	425.1	425.3	425.4	425.6
152.5°	434.7	435.1	435.5	435.9
155°	443.0	443.5	443.9	444.4
157.5°	450.5	450.7	451.0	451.2
160°	456.9	457.4	457.8	458.3
162.5°	462.5	463.0	463.5	464.0
165°	467.5	468.0	468.5	469.0
167.5°	471.4	471.9	472.4	472.9
170°	474.4	475.0	475.5	476.1
172.5°	476.5	477.1	477.6	478.2
175°	478.2	478.7	479.1	479.6
177.5°	479.3	479.8	480.2	480.7
180°	479.6	479.6	479.6	479.6

(END OF REPORT)