

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: METALUX

Report Number: P973027

Luminaire Tested: 22CGRK-L3C3-UNV-MP4-MID-5000K

Issue Date: 3/12/2025

Test Information

Test Method: LM-79-2019
Report Number: P973027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DLF2412105-2a)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGRK-L3C3-UNV-MP4-MID-5000K
Description: 2x2 CGRK Backlit Panel Retrofit Kit at, MID lumen, 5000K CCT settings
Light Source: -
Ballast/Driver: -

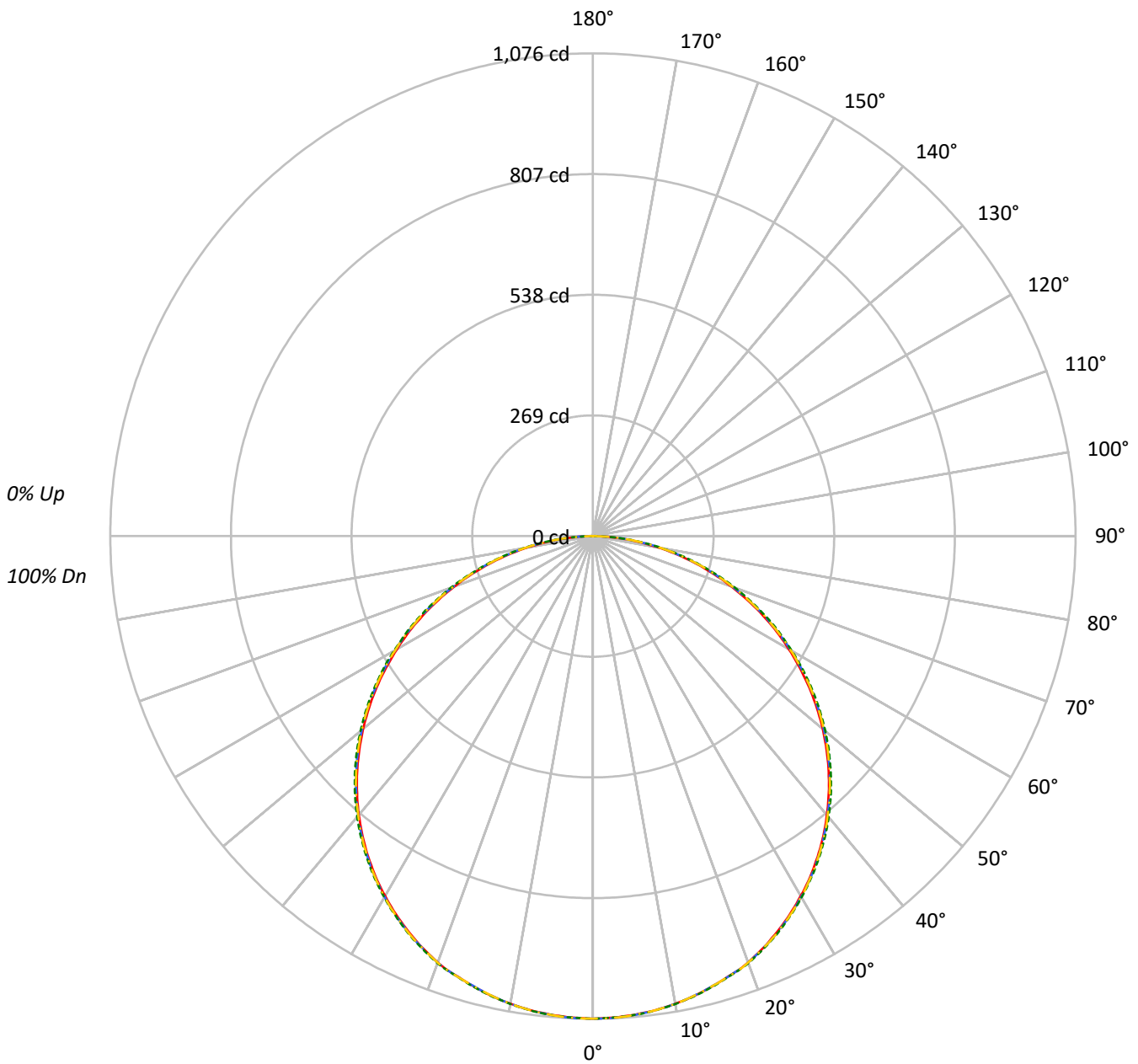
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3250.0 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.4
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
Input Voltage (V): NR
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



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83	83	83	83
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68	68	68	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	64	59	57	57	57	57
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48	48	48	48
5	75	62	53	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42	42	42	42
6	69	55	46	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36	36	36	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32	32	32	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29	29	29	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26	26	26	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23	23	23	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3446	3446	3446	3446
5°	3443	3444	3443	3444
10°	3442	3445	3442	3445
15°	3440	3444	3440	3444
20°	3447	3453	3447	3453
25°	3438	3448	3438	3448
30°	3426	3439	3426	3439
35°	3413	3432	3413	3432
40°	3393	3418	3393	3418
45°	3366	3399	3366	3399
50°	3331	3371	3331	3371
55°	3286	3333	3286	3333
60°	3229	3284	3229	3284
65°	3166	3234	3166	3234
70°	3074	3156	3074	3156
75°	2955	3054	2955	3054
80°	2759	2916	2759	2916
85°	2399	2693	2399	2693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 3399 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	3.1
10°-20°	293.3	9.0
20°-30°	449.1	13.8
30°-40°	547.6	16.8
40°-50°	575.9	17.7
50°-60°	529.7	16.3
60°-70°	417.6	12.8
70°-80°	256.7	7.9
80°-90°	78.2	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	844.3	26.0
0°-40°	1391.9	42.8
0°-60°	2497.5	76.8
0°-90°	3250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3250.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1076	1076	1076	1076	1076	
5°	1071	1071	1071	1071	1071	102
15°	1038	1039	1038	1039	1038	293
25°	973	976	973	976	973	448
35°	873	878	873	878	873	546
45°	743	750	743	750	743	573
55°	588	597	588	597	588	526
65°	418	427	418	427	418	413
75°	239	247	239	247	239	252
85°	65	73	65	73	65	71
90°	0	0	0	0	0	4
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9
1°	1075.1	1075.9	1075.5	1075.8	1075.4	1075.6	1075.0	1075.6	1075.4	1075.8	1075.5
2°	1074.5	1075.3	1075.0	1075.4	1074.9	1074.8	1074.6	1074.8	1074.9	1075.4	1075.0
3°	1073.8	1074.2	1074.0	1074.5	1074.2	1074.2	1073.8	1074.2	1074.2	1074.5	1074.0
4°	1072.3	1073.3	1073.0	1073.1	1072.9	1072.7	1072.8	1072.7	1072.9	1073.1	1073.0
5°	1071.0	1071.7	1071.6	1071.6	1071.6	1071.3	1071.3	1071.3	1071.6	1071.6	1071.6
6°	1068.9	1069.9	1069.5	1069.5	1069.5	1069.5	1069.9	1069.5	1069.5	1069.5	1069.5
7°	1067.4	1067.5	1067.3	1067.2	1067.1	1067.4	1067.8	1067.4	1067.1	1067.2	1067.3
8°	1064.6	1064.9	1064.9	1064.8	1064.9	1064.9	1065.1	1064.9	1064.9	1064.8	1064.9
9°	1061.9	1061.8	1062.1	1062.0	1061.8	1062.0	1062.3	1062.0	1061.8	1062.0	1062.1
10°	1058.6	1058.9	1058.5	1058.5	1058.7	1059.2	1059.4	1059.2	1058.7	1058.5	1058.5
11°	1055.2	1054.6	1054.8	1055.0	1055.0	1055.4	1055.4	1055.4	1055.0	1055.0	1054.8
12°	1051.1	1050.8	1051.0	1051.1	1051.1	1051.8	1052.1	1051.8	1051.1	1051.1	1051.0
13°	1047.1	1046.8	1046.7	1046.8	1047.2	1047.4	1047.7	1047.4	1047.2	1046.8	1046.7
14°	1042.4	1042.2	1042.1	1042.3	1042.6	1042.8	1043.3	1042.8	1042.6	1042.3	1042.1
15°	1037.5	1037.1	1037.3	1037.3	1038.0	1038.1	1038.7	1038.1	1038.0	1037.3	1037.3
16°	1032.6	1031.9	1032.1	1032.6	1032.9	1033.0	1033.5	1033.0	1032.9	1032.6	1032.1
17°	1027.3	1027.4	1027.4	1027.8	1027.3	1028.1	1028.1	1028.1	1027.3	1027.8	1027.4
18°	1022.9	1022.8	1022.8	1023.1	1023.1	1023.5	1023.5	1023.5	1023.1	1023.1	1022.8
19°	1018.1	1017.4	1018.0	1018.4	1018.5	1018.7	1018.9	1018.7	1018.5	1018.4	1018.0
20°	1011.3	1010.8	1011.4	1011.9	1012.3	1012.8	1013.2	1012.8	1012.3	1011.9	1011.4
21°	1004.1	1003.8	1004.3	1005.0	1005.7	1005.9	1006.1	1005.9	1005.7	1005.0	1004.3
22°	996.9	996.5	997.2	997.6	998.3	998.7	999.1	998.7	998.3	997.6	997.2
23°	989.4	989.1	989.5	990.2	991.1	991.6	991.5	991.6	991.1	990.2	989.5
24°	980.9	981.1	981.5	982.7	983.1	983.6	983.9	983.6	983.1	982.7	981.5
25°	972.9	972.8	973.4	974.4	974.9	975.8	975.8	975.8	974.9	974.4	973.4
26°	964.0	964.3	964.8	965.8	966.8	967.2	967.2	967.2	966.8	965.8	964.8
27°	955.4	955.4	956.2	957.2	957.9	958.4	958.3	958.4	957.9	957.2	956.2
28°	945.9	946.3	947.2	948.0	948.9	949.3	949.3	949.3	948.9	948.0	947.2
29°	936.2	936.6	937.6	938.5	939.5	939.9	939.9	939.9	939.5	938.5	937.6
30°	926.4	927.0	927.8	928.9	929.8	930.3	930.1	930.3	929.8	928.9	927.8
31°	916.7	916.8	917.5	918.8	919.6	920.2	920.4	920.2	919.6	918.8	917.5
32°	906.3	906.5	907.4	908.4	909.4	910.0	910.0	910.0	909.4	908.4	907.4
33°	895.6	895.6	896.6	897.5	898.6	899.5	899.7	899.5	898.6	897.5	896.6
34°	884.2	884.8	885.5	886.5	887.8	888.5	888.7	888.5	887.8	886.5	885.5
35°	873.0	873.3	874.2	875.4	876.5	877.5	877.8	877.5	876.5	875.4	874.2
36°	861.3	861.9	862.5	863.6	865.1	866.1	866.4	866.1	865.1	863.6	862.5
37°	849.2	849.7	850.6	851.8	853.2	854.1	854.5	854.1	853.2	851.8	850.6
38°	837.3	837.5	838.4	839.5	841.1	841.9	842.7	841.9	841.1	839.5	838.4
39°	824.5	825.0	826.0	827.1	828.8	829.9	830.3	829.9	828.8	827.1	826.0
40°	811.6	812.1	813.3	814.1	816.2	817.0	817.7	817.0	816.2	814.1	813.3
41°	798.4	798.9	799.9	801.2	803.3	804.0	804.5	804.0	803.3	801.2	799.9
42°	785.0	785.7	786.8	788.0	790.0	790.8	791.7	790.8	790.0	788.0	786.8
43°	771.3	772.0	773.1	774.4	776.3	777.3	778.3	777.3	776.3	774.4	773.1
44°	757.3	758.0	759.5	760.6	762.7	763.5	764.3	763.5	762.7	760.6	759.5



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	743.2	743.9	745.2	746.5	748.7	749.6	750.5	749.6	748.7	746.5	745.2
46°	729.1	729.4	730.8	732.1	734.3	735.4	736.1	735.4	734.3	732.1	730.8
47°	713.9	714.6	716.1	717.8	719.7	720.7	721.5	720.7	719.7	717.8	716.1
48°	698.9	699.7	701.3	702.9	705.1	706.0	706.9	706.0	705.1	702.9	701.3
49°	683.8	684.4	686.1	688.0	689.9	690.9	691.9	690.9	689.9	688.0	686.1
50°	668.5	669.0	670.8	672.7	674.7	675.9	676.6	675.9	674.7	672.7	670.8
51°	652.8	653.5	655.2	657.2	659.0	660.5	661.0	660.5	659.0	657.2	655.2
52°	637.0	637.7	639.3	641.6	643.5	644.7	645.2	644.7	643.5	641.6	639.3
53°	621.3	621.6	623.4	625.9	627.4	628.9	629.4	628.9	627.4	625.9	623.4
54°	604.8	605.5	607.1	609.4	611.3	612.8	613.1	612.8	611.3	609.4	607.1
55°	588.5	589.1	590.9	593.4	595.0	596.6	596.9	596.6	595.0	593.4	590.9
56°	572.0	572.5	574.1	576.9	578.7	580.0	580.3	580.0	578.7	576.9	574.1
57°	555.1	555.7	557.5	560.0	561.8	563.5	563.9	563.5	561.8	560.0	557.5
58°	538.2	538.8	540.8	543.3	545.0	546.6	547.0	546.6	545.0	543.3	540.8
59°	521.4	521.9	523.5	526.2	527.9	529.5	530.0	529.5	527.9	526.2	523.5
60°	504.1	504.6	506.4	509.0	510.9	512.5	512.8	512.5	510.9	509.0	506.4
61°	487.4	487.9	489.7	493.0	493.5	495.1	494.6	495.1	493.5	493.0	489.7
62°	470.6	471.2	472.8	475.3	477.0	478.9	478.9	478.9	477.0	475.3	472.8
63°	453.5	454.0	455.7	458.0	460.1	461.8	462.3	461.8	460.1	458.0	455.7
64°	435.5	436.4	438.1	440.5	442.6	444.2	444.8	444.2	442.6	440.5	438.1
65°	417.8	418.7	420.3	422.6	424.8	426.3	426.8	426.3	424.8	422.6	420.3
66°	400.1	400.8	402.5	404.7	406.9	408.4	409.1	408.4	406.9	404.7	402.5
67°	382.2	382.9	384.5	386.8	389.1	390.6	391.2	390.6	389.1	386.8	384.5
68°	364.3	365.0	366.6	368.8	371.1	372.5	373.1	372.5	371.1	368.8	366.6
69°	346.3	347.0	348.7	350.8	353.1	354.4	355.2	354.4	353.1	350.8	348.7
70°	328.3	329.0	330.6	332.9	335.0	336.4	337.1	336.4	335.0	332.9	330.6
71°	310.4	311.0	312.7	314.8	316.9	318.5	319.2	318.5	316.9	314.8	312.7
72°	292.6	293.1	294.8	296.9	299.0	300.3	301.0	300.3	299.0	296.9	294.8
73°	274.6	275.1	276.8	278.9	281.0	282.3	282.7	282.3	281.0	278.9	276.8
74°	256.6	257.3	259.0	261.1	263.0	264.4	264.9	264.4	263.0	261.1	259.0
75°	238.8	239.5	241.2	243.3	245.2	246.4	246.8	246.4	245.2	243.3	241.2
76°	221.1	221.7	223.6	225.5	227.4	228.5	228.9	228.5	227.4	225.5	223.6
77°	203.3	204.0	205.8	207.8	209.7	210.8	211.1	210.8	209.7	207.8	205.8
78°	185.4	186.2	188.2	190.3	192.0	193.1	193.1	193.1	192.0	190.3	188.2
79°	167.4	168.3	170.7	172.8	174.4	175.5	175.7	175.5	174.4	172.8	170.7
80°	149.6	150.5	153.0	155.5	157.1	158.0	158.1	158.0	157.1	155.5	153.0
81°	132.1	133.0	135.3	138.2	139.9	140.8	140.8	140.8	139.9	138.2	135.3
82°	114.9	115.7	117.9	120.8	122.8	123.6	123.7	123.6	122.8	120.8	117.9
83°	97.8	98.5	100.4	103.3	105.7	106.6	106.6	106.6	105.7	103.3	100.4
84°	81.4	82.0	83.6	86.2	88.9	90.0	90.0	90.0	88.9	86.2	83.6
85°	65.3	65.8	67.3	69.6	72.2	73.5	73.3	73.5	72.2	69.6	67.3
86°	49.8	50.2	51.7	53.5	55.4	56.6	56.3	56.6	55.4	53.5	51.7
87°	35.4	35.7	36.8	37.8	38.8	40.0	39.8	40.0	38.8	37.8	36.8
88°	22.4	22.6	23.1	23.9	23.8	24.9	24.7	24.9	23.8	23.9	23.1
89°	10.7	10.9	11.0	11.4	10.4	10.9	10.8	10.9	10.4	11.4	11.0



TEST NUMBER: P973027
 CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P973027
 CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P973027
CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P973027
 CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9	1075.9
1°	1075.9	1075.1	1075.9	1075.5	1075.8	1075.4	1075.6	1075.0	1075.6	1075.4	1075.8
2°	1075.3	1074.5	1075.3	1075.0	1075.4	1074.9	1074.8	1074.6	1074.8	1074.9	1075.4
3°	1074.2	1073.8	1074.2	1074.0	1074.5	1074.2	1074.2	1073.8	1074.2	1074.2	1074.5
4°	1073.3	1072.3	1073.3	1073.0	1073.1	1072.9	1072.7	1072.8	1072.7	1072.9	1073.1
5°	1071.7	1071.0	1071.7	1071.6	1071.6	1071.6	1071.3	1071.3	1071.3	1071.6	1071.6
6°	1069.9	1068.9	1069.9	1069.5	1069.5	1069.5	1069.5	1069.9	1069.5	1069.5	1069.5
7°	1067.5	1067.4	1067.5	1067.3	1067.2	1067.1	1067.4	1067.8	1067.4	1067.1	1067.2
8°	1064.9	1064.6	1064.9	1064.9	1064.8	1064.9	1064.9	1065.1	1064.9	1064.9	1064.8
9°	1061.8	1061.9	1061.8	1062.1	1062.0	1061.8	1062.0	1062.3	1062.0	1061.8	1062.0
10°	1058.9	1058.6	1058.9	1058.5	1058.5	1058.7	1059.2	1059.4	1059.2	1058.7	1058.5
11°	1054.6	1055.2	1054.6	1054.8	1055.0	1055.0	1055.4	1055.4	1055.4	1055.0	1055.0
12°	1050.8	1051.1	1050.8	1051.0	1051.1	1051.1	1051.8	1052.1	1051.8	1051.1	1051.1
13°	1046.8	1047.1	1046.8	1046.7	1046.8	1047.2	1047.4	1047.7	1047.4	1047.2	1046.8
14°	1042.2	1042.4	1042.2	1042.1	1042.3	1042.6	1042.8	1043.3	1042.8	1042.6	1042.3
15°	1037.1	1037.5	1037.1	1037.3	1037.3	1038.0	1038.1	1038.7	1038.1	1038.0	1037.3
16°	1031.9	1032.6	1031.9	1032.1	1032.6	1032.9	1033.0	1033.5	1033.0	1032.9	1032.6
17°	1027.4	1027.3	1027.4	1027.4	1027.8	1027.3	1028.1	1028.1	1028.1	1027.3	1027.8
18°	1022.8	1022.9	1022.8	1022.8	1023.1	1023.1	1023.5	1023.5	1023.5	1023.1	1023.1
19°	1017.4	1018.1	1017.4	1018.0	1018.4	1018.5	1018.7	1018.9	1018.7	1018.5	1018.4
20°	1010.8	1011.3	1010.8	1011.4	1011.9	1012.3	1012.8	1013.2	1012.8	1012.3	1011.9
21°	1003.8	1004.1	1003.8	1004.3	1005.0	1005.7	1005.9	1006.1	1005.9	1005.7	1005.0
22°	996.5	996.9	996.5	997.2	997.6	998.3	998.7	999.1	998.7	998.3	997.6
23°	989.1	989.4	989.1	989.5	990.2	991.1	991.6	991.5	991.6	991.1	990.2
24°	981.1	980.9	981.1	981.5	982.7	983.1	983.6	983.9	983.6	983.1	982.7
25°	972.8	972.9	972.8	973.4	974.4	974.9	975.8	975.8	975.8	974.9	974.4
26°	964.3	964.0	964.3	964.8	965.8	966.8	967.2	967.2	967.2	966.8	965.8
27°	955.4	955.4	955.4	956.2	957.2	957.9	958.4	958.3	958.4	957.9	957.2
28°	946.3	945.9	946.3	947.2	948.0	948.9	949.3	949.3	949.3	948.9	948.0
29°	936.6	936.2	936.6	937.6	938.5	939.5	939.9	939.9	939.9	939.5	938.5
30°	927.0	926.4	927.0	927.8	928.9	929.8	930.3	930.1	930.3	929.8	928.9
31°	916.8	916.7	916.8	917.5	918.8	919.6	920.2	920.4	920.2	919.6	918.8
32°	906.5	906.3	906.5	907.4	908.4	909.4	910.0	910.0	910.0	909.4	908.4
33°	895.6	895.6	895.6	896.6	897.5	898.6	899.5	899.7	899.5	898.6	897.5
34°	884.8	884.2	884.8	885.5	886.5	887.8	888.5	888.7	888.5	887.8	886.5
35°	873.3	873.0	873.3	874.2	875.4	876.5	877.5	877.8	877.5	876.5	875.4
36°	861.9	861.3	861.9	862.5	863.6	865.1	866.1	866.4	866.1	865.1	863.6
37°	849.7	849.2	849.7	850.6	851.8	853.2	854.1	854.5	854.1	853.2	851.8
38°	837.5	837.3	837.5	838.4	839.5	841.1	841.9	842.7	841.9	841.1	839.5
39°	825.0	824.5	825.0	826.0	827.1	828.8	829.9	830.3	829.9	828.8	827.1
40°	812.1	811.6	812.1	813.3	814.1	816.2	817.0	817.7	817.0	816.2	814.1
41°	798.9	798.4	798.9	799.9	801.2	803.3	804.0	804.5	804.0	803.3	801.2
42°	785.7	785.0	785.7	786.8	788.0	790.0	790.8	791.7	790.8	790.0	788.0
43°	772.0	771.3	772.0	773.1	774.4	776.3	777.3	778.3	777.3	776.3	774.4
44°	758.0	757.3	758.0	759.5	760.6	762.7	763.5	764.3	763.5	762.7	760.6



TEST NUMBER: P973027
 CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	743.9	743.2	743.9	745.2	746.5	748.7	749.6	750.5	749.6	748.7	746.5
46°	729.4	729.1	729.4	730.8	732.1	734.3	735.4	736.1	735.4	734.3	732.1
47°	714.6	713.9	714.6	716.1	717.8	719.7	720.7	721.5	720.7	719.7	717.8
48°	699.7	698.9	699.7	701.3	702.9	705.1	706.0	706.9	706.0	705.1	702.9
49°	684.4	683.8	684.4	686.1	688.0	689.9	690.9	691.9	690.9	689.9	688.0
50°	669.0	668.5	669.0	670.8	672.7	674.7	675.9	676.6	675.9	674.7	672.7
51°	653.5	652.8	653.5	655.2	657.2	659.0	660.5	661.0	660.5	659.0	657.2
52°	637.7	637.0	637.7	639.3	641.6	643.5	644.7	645.2	644.7	643.5	641.6
53°	621.6	621.3	621.6	623.4	625.9	627.4	628.9	629.4	628.9	627.4	625.9
54°	605.5	604.8	605.5	607.1	609.4	611.3	612.8	613.1	612.8	611.3	609.4
55°	589.1	588.5	589.1	590.9	593.4	595.0	596.6	596.9	596.6	595.0	593.4
56°	572.5	572.0	572.5	574.1	576.9	578.7	580.0	580.3	580.0	578.7	576.9
57°	555.7	555.1	555.7	557.5	560.0	561.8	563.5	563.9	563.5	561.8	560.0
58°	538.8	538.2	538.8	540.8	543.3	545.0	546.6	547.0	546.6	545.0	543.3
59°	521.9	521.4	521.9	523.5	526.2	527.9	529.5	530.0	529.5	527.9	526.2
60°	504.6	504.1	504.6	506.4	509.0	510.9	512.5	512.8	512.5	510.9	509.0
61°	487.9	487.4	487.9	489.7	493.0	493.5	495.1	494.6	495.1	493.5	493.0
62°	471.2	470.6	471.2	472.8	475.3	477.0	478.9	478.9	478.9	477.0	475.3
63°	454.0	453.5	454.0	455.7	458.0	460.1	461.8	462.3	461.8	460.1	458.0
64°	436.4	435.5	436.4	438.1	440.5	442.6	444.2	444.8	444.2	442.6	440.5
65°	418.7	417.8	418.7	420.3	422.6	424.8	426.3	426.8	426.3	424.8	422.6
66°	400.8	400.1	400.8	402.5	404.7	406.9	408.4	409.1	408.4	406.9	404.7
67°	382.9	382.2	382.9	384.5	386.8	389.1	390.6	391.2	390.6	389.1	386.8
68°	365.0	364.3	365.0	366.6	368.8	371.1	372.5	373.1	372.5	371.1	368.8
69°	347.0	346.3	347.0	348.7	350.8	353.1	354.4	355.2	354.4	353.1	350.8
70°	329.0	328.3	329.0	330.6	332.9	335.0	336.4	337.1	336.4	335.0	332.9
71°	311.0	310.4	311.0	312.7	314.8	316.9	318.5	319.2	318.5	316.9	314.8
72°	293.1	292.6	293.1	294.8	296.9	299.0	300.3	301.0	300.3	299.0	296.9
73°	275.1	274.6	275.1	276.8	278.9	281.0	282.3	282.7	282.3	281.0	278.9
74°	257.3	256.6	257.3	259.0	261.1	263.0	264.4	264.9	264.4	263.0	261.1
75°	239.5	238.8	239.5	241.2	243.3	245.2	246.4	246.8	246.4	245.2	243.3
76°	221.7	221.1	221.7	223.6	225.5	227.4	228.5	228.9	228.5	227.4	225.5
77°	204.0	203.3	204.0	205.8	207.8	209.7	210.8	211.1	210.8	209.7	207.8
78°	186.2	185.4	186.2	188.2	190.3	192.0	193.1	193.1	193.1	192.0	190.3
79°	168.3	167.4	168.3	170.7	172.8	174.4	175.5	175.7	175.5	174.4	172.8
80°	150.5	149.6	150.5	153.0	155.5	157.1	158.0	158.1	158.0	157.1	155.5
81°	133.0	132.1	133.0	135.3	138.2	139.9	140.8	140.8	140.8	139.9	138.2
82°	115.7	114.9	115.7	117.9	120.8	122.8	123.6	123.7	123.6	122.8	120.8
83°	98.5	97.8	98.5	100.4	103.3	105.7	106.6	106.6	106.6	105.7	103.3
84°	82.0	81.4	82.0	83.6	86.2	88.9	90.0	90.0	90.0	88.9	86.2
85°	65.8	65.3	65.8	67.3	69.6	72.2	73.5	73.3	73.5	72.2	69.6
86°	50.2	49.8	50.2	51.7	53.5	55.4	56.6	56.3	56.6	55.4	53.5
87°	35.7	35.4	35.7	36.8	37.8	38.8	40.0	39.8	40.0	38.8	37.8
88°	22.6	22.4	22.6	23.1	23.9	23.8	24.9	24.7	24.9	23.8	23.9
89°	10.9	10.7	10.9	11.0	11.4	10.4	10.9	10.8	10.9	10.4	11.4



TEST NUMBER: P973027
 CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P973027
 CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
148°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
149°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
151°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
179°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P973027
CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P973027

CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1075.9	1075.9	1075.9
1°	1075.5	1075.9	1075.1
2°	1075.0	1075.3	1074.5
3°	1074.0	1074.2	1073.8
4°	1073.0	1073.3	1072.3
5°	1071.6	1071.7	1071.0
6°	1069.5	1069.9	1068.9
7°	1067.3	1067.5	1067.4
8°	1064.9	1064.9	1064.6
9°	1062.1	1061.8	1061.9
10°	1058.5	1058.9	1058.6
11°	1054.8	1054.6	1055.2
12°	1051.0	1050.8	1051.1
13°	1046.7	1046.8	1047.1
14°	1042.1	1042.2	1042.4
15°	1037.3	1037.1	1037.5
16°	1032.1	1031.9	1032.6
17°	1027.4	1027.4	1027.3
18°	1022.8	1022.8	1022.9
19°	1018.0	1017.4	1018.1
20°	1011.4	1010.8	1011.3
21°	1004.3	1003.8	1004.1
22°	997.2	996.5	996.9
23°	989.5	989.1	989.4
24°	981.5	981.1	980.9
25°	973.4	972.8	972.9
26°	964.8	964.3	964.0
27°	956.2	955.4	955.4
28°	947.2	946.3	945.9
29°	937.6	936.6	936.2
30°	927.8	927.0	926.4
31°	917.5	916.8	916.7
32°	907.4	906.5	906.3
33°	896.6	895.6	895.6
34°	885.5	884.8	884.2
35°	874.2	873.3	873.0
36°	862.5	861.9	861.3
37°	850.6	849.7	849.2
38°	838.4	837.5	837.3
39°	826.0	825.0	824.5
40°	813.3	812.1	811.6
41°	799.9	798.9	798.4
42°	786.8	785.7	785.0
43°	773.1	772.0	771.3
44°	759.5	758.0	757.3



TEST NUMBER: P973027

CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	745.2	743.9	743.2
46°	730.8	729.4	729.1
47°	716.1	714.6	713.9
48°	701.3	699.7	698.9
49°	686.1	684.4	683.8
50°	670.8	669.0	668.5
51°	655.2	653.5	652.8
52°	639.3	637.7	637.0
53°	623.4	621.6	621.3
54°	607.1	605.5	604.8
55°	590.9	589.1	588.5
56°	574.1	572.5	572.0
57°	557.5	555.7	555.1
58°	540.8	538.8	538.2
59°	523.5	521.9	521.4
60°	506.4	504.6	504.1
61°	489.7	487.9	487.4
62°	472.8	471.2	470.6
63°	455.7	454.0	453.5
64°	438.1	436.4	435.5
65°	420.3	418.7	417.8
66°	402.5	400.8	400.1
67°	384.5	382.9	382.2
68°	366.6	365.0	364.3
69°	348.7	347.0	346.3
70°	330.6	329.0	328.3
71°	312.7	311.0	310.4
72°	294.8	293.1	292.6
73°	276.8	275.1	274.6
74°	259.0	257.3	256.6
75°	241.2	239.5	238.8
76°	223.6	221.7	221.1
77°	205.8	204.0	203.3
78°	188.2	186.2	185.4
79°	170.7	168.3	167.4
80°	153.0	150.5	149.6
81°	135.3	133.0	132.1
82°	117.9	115.7	114.9
83°	100.4	98.5	97.8
84°	83.6	82.0	81.4
85°	67.3	65.8	65.3
86°	51.7	50.2	49.8
87°	36.8	35.7	35.4
88°	23.1	22.6	22.4
89°	11.0	10.9	10.7



TEST NUMBER: P973027
CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	0.0	0.0	0.0
91°	0.0	0.0	0.0
92°	0.0	0.0	0.0
93°	0.0	0.0	0.0
94°	0.0	0.0	0.0
95°	0.0	0.0	0.0
96°	0.0	0.0	0.0
97°	0.0	0.0	0.0
98°	0.0	0.0	0.0
99°	0.0	0.0	0.0
100°	0.0	0.0	0.0
101°	0.0	0.0	0.0
102°	0.0	0.0	0.0
103°	0.0	0.0	0.0
104°	0.0	0.0	0.0
105°	0.0	0.0	0.0
106°	0.0	0.0	0.0
107°	0.0	0.0	0.0
108°	0.0	0.0	0.0
109°	0.0	0.0	0.0
110°	0.0	0.0	0.0
111°	0.0	0.0	0.0
112°	0.0	0.0	0.0
113°	0.0	0.0	0.0
114°	0.0	0.0	0.0
115°	0.0	0.0	0.0
116°	0.0	0.0	0.0
117°	0.0	0.0	0.0
118°	0.0	0.0	0.0
119°	0.0	0.0	0.0
120°	0.0	0.0	0.0
121°	0.0	0.0	0.0
122°	0.0	0.0	0.0
123°	0.0	0.0	0.0
124°	0.0	0.0	0.0
125°	0.0	0.0	0.0
126°	0.0	0.0	0.0
127°	0.0	0.0	0.0
128°	0.0	0.0	0.0
129°	0.0	0.0	0.0
130°	0.0	0.0	0.0
131°	0.0	0.0	0.0
132°	0.0	0.0	0.0
133°	0.0	0.0	0.0
134°	0.0	0.0	0.0



TEST NUMBER: P973027
CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	0.0	0.0	0.0
136°	0.0	0.0	0.0
137°	0.0	0.0	0.0
138°	0.0	0.0	0.0
139°	0.0	0.0	0.0
140°	0.0	0.0	0.0
141°	0.0	0.0	0.0
142°	0.0	0.0	0.0
143°	0.0	0.0	0.0
144°	0.0	0.0	0.0
145°	0.0	0.0	0.0
146°	0.0	0.0	0.0
147°	0.0	0.0	0.0
148°	0.0	0.0	0.0
149°	0.0	0.0	0.0
150°	0.0	0.0	0.0
151°	0.0	0.0	0.0
152°	0.0	0.0	0.0
153°	0.0	0.0	0.0
154°	0.0	0.0	0.0
155°	0.0	0.0	0.0
156°	0.0	0.0	0.0
157°	0.0	0.0	0.0
158°	0.0	0.0	0.0
159°	0.0	0.0	0.0
160°	0.0	0.0	0.0
161°	0.0	0.0	0.0
162°	0.0	0.0	0.0
163°	0.0	0.0	0.0
164°	0.0	0.0	0.0
165°	0.0	0.0	0.0
166°	0.0	0.0	0.0
167°	0.0	0.0	0.0
168°	0.0	0.0	0.0
169°	0.0	0.0	0.0
170°	0.0	0.0	0.0
171°	0.0	0.0	0.0
172°	0.0	0.0	0.0
173°	0.0	0.0	0.0
174°	0.0	0.0	0.0
175°	0.0	0.0	0.0
176°	0.0	0.0	0.0
177°	0.0	0.0	0.0
178°	0.0	0.0	0.0
179°	0.0	0.0	0.0



TEST NUMBER: P973027
CATALOG NUMBER: 22CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)