

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: P973035

Luminaire Tested: 24CGRK-L3C3-UNV-MP4-MID-4000K

Issue Date: 3/12/2025

**Test Information**

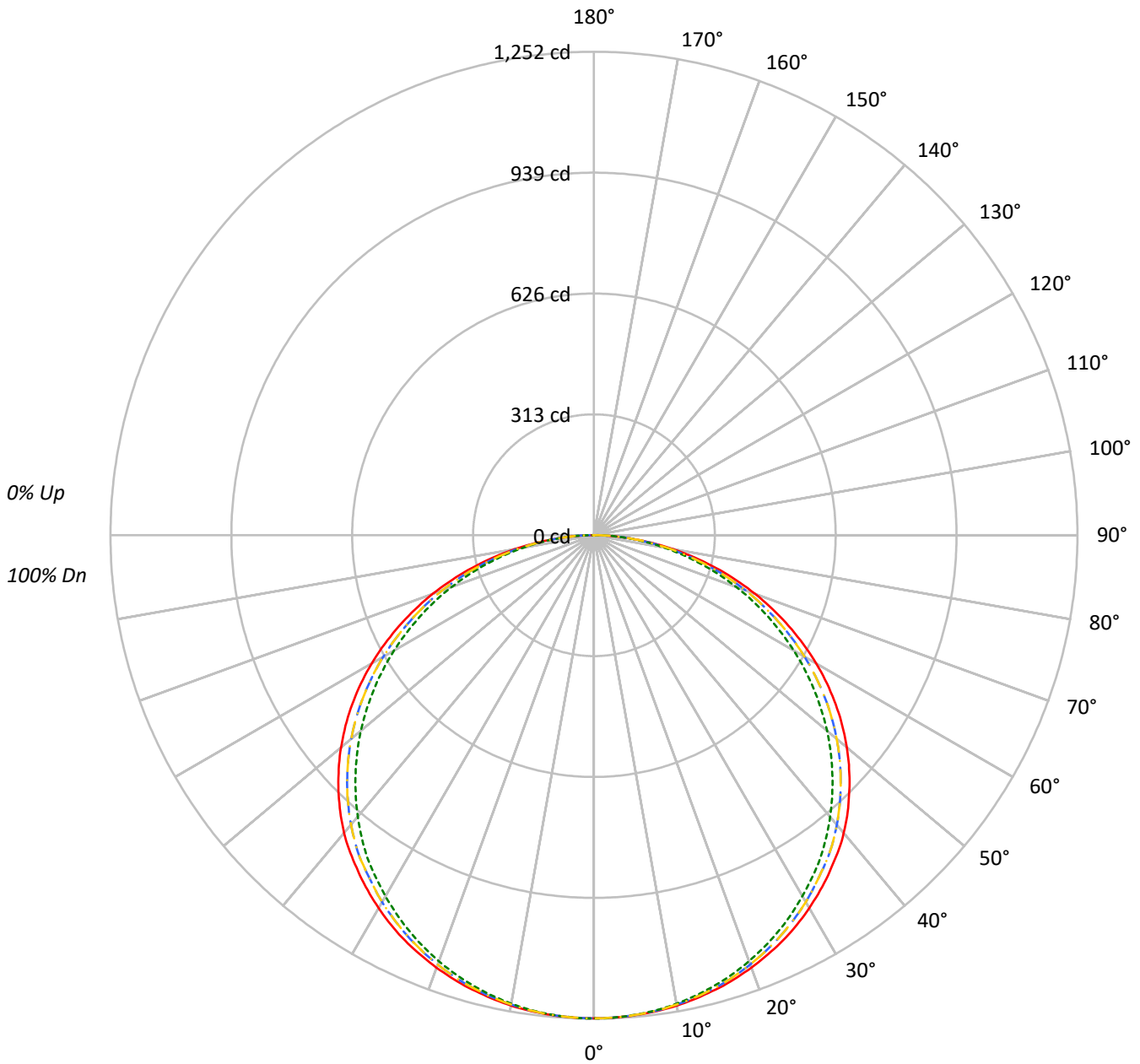
Test Method: LM-79-2019  
Report Number: P973035  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( DLF2412105-2a)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 24CGRK-L3C3-UNV-MP4-MID-4000K  
Description: 2x4 CGRK Backlit Panel Retrofit Kit at, MID lumen, 4000K CCT settings  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3940.0 lumens  
Efficiency: N/A  
Efficacy: 142.8 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.28 / 1.43  
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.6  
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

TEST NUMBER: P973035  
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

### 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				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	102	102	102	100
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	84	84	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	70	70	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	59	59	59	56
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	55	50	50	50	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	43	43	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	38	38	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	33	33	33	31
8	59	45	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	30	30	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	27	27	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	24	24	24	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	1916	1916	1916	1916
5°	1918	1916	1918	1916
10°	1923	1916	1923	1916
15°	1931	1915	1931	1915
20°	1943	1913	1943	1913
25°	1957	1912	1957	1912
30°	1972	1909	1972	1909
35°	1989	1910	1989	1910
40°	2012	1903	2012	1903
45°	2026	1890	2026	1890
50°	2037	1877	2037	1877
55°	2041	1857	2041	1857
60°	2036	1830	2036	1830
65°	2019	1799	2019	1799
70°	1989	1757	1989	1757
75°	1932	1704	1932	1704
80°	1844	1634	1844	1634
85°	1669	1620	1669	1620

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 60°  
 Vertical Angle: 89°  
 Luminance: 2431 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.6	3.0
10°-20°	342.6	8.7
20°-30°	527.8	13.4
30°-40°	652.4	16.6
40°-50°	697.3	17.7
50°-60°	651.6	16.5
60°-70°	520.3	13.2
70°-80°	324.0	8.2
80°-90°	105.4	2.7
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°	989.0	25.1
0°-40°	1641.4	41.7
0°-60°	2990.4	75.9
0°-90°	3940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1251	1251	1251	1251	1251	
5°	1247	1246	1247	1246	1247	119
15°	1218	1207	1218	1207	1218	344
25°	1158	1131	1158	1131	1158	534
35°	1064	1022	1064	1022	1064	666
45°	935	873	935	873	935	722
55°	764	696	764	696	764	683
65°	557	496	557	496	557	551
75°	326	288	326	288	326	344
85°	95	92	95	92	95	101
90°	0	0	0	0	0	7
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



TEST NUMBER: P973035  
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**CANDELA DISTRIBUTION (FULL):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1
1°	1251.1	1251.2	1250.8	1250.8	1251.2	1250.8	1251.5	1250.8	1251.2	1250.8	1250.8
2°	1250.6	1250.8	1250.1	1250.4	1250.8	1250.1	1250.7	1250.1	1250.8	1250.4	1250.1
3°	1249.7	1250.0	1249.4	1249.7	1249.7	1249.3	1249.2	1249.3	1249.7	1249.7	1249.4
4°	1248.8	1248.6	1248.1	1248.3	1248.4	1247.9	1248.3	1247.9	1248.4	1248.3	1248.1
5°	1247.4	1247.4	1247.1	1246.8	1246.6	1246.1	1246.2	1246.1	1246.6	1246.8	1247.1
6°	1246.0	1245.4	1245.2	1244.9	1244.7	1244.3	1244.2	1244.3	1244.7	1244.9	1245.2
7°	1244.2	1243.5	1243.2	1242.9	1242.0	1241.8	1241.7	1241.8	1242.0	1242.9	1243.2
8°	1242.0	1241.5	1240.9	1240.5	1239.5	1238.8	1238.8	1238.8	1239.5	1240.5	1240.9
9°	1239.5	1239.0	1238.2	1237.3	1236.3	1235.7	1235.7	1235.7	1236.3	1237.3	1238.2
10°	1236.7	1236.2	1235.4	1234.2	1233.1	1232.2	1231.9	1232.2	1233.1	1234.2	1235.4
11°	1233.5	1233.1	1232.0	1230.7	1229.3	1228.1	1227.6	1228.1	1229.3	1230.7	1232.0
12°	1230.0	1229.4	1228.6	1226.9	1225.0	1223.8	1223.1	1223.8	1225.0	1226.9	1228.6
13°	1226.2	1225.5	1224.6	1222.5	1220.3	1219.2	1218.3	1219.2	1220.3	1222.5	1224.6
14°	1222.0	1221.4	1220.4	1218.0	1215.5	1214.1	1213.0	1214.1	1215.5	1218.0	1220.4
15°	1218.1	1217.3	1215.8	1213.3	1210.4	1208.5	1207.4	1208.5	1210.4	1213.3	1215.8
16°	1213.6	1212.2	1210.9	1208.0	1204.6	1202.7	1201.7	1202.7	1204.6	1208.0	1210.9
17°	1208.4	1207.7	1205.4	1202.3	1198.5	1196.5	1195.3	1196.5	1198.5	1202.3	1205.4
18°	1203.2	1202.2	1200.0	1196.1	1192.1	1190.0	1188.4	1190.0	1192.1	1196.1	1200.0
19°	1197.5	1196.8	1193.9	1189.8	1185.4	1182.7	1181.5	1182.7	1185.4	1189.8	1193.9
20°	1191.8	1190.5	1187.6	1183.1	1178.4	1175.6	1173.7	1175.6	1178.4	1183.1	1187.6
21°	1185.4	1184.2	1180.8	1176.1	1171.0	1167.9	1166.1	1167.9	1171.0	1176.1	1180.8
22°	1178.9	1177.6	1174.0	1168.6	1163.4	1159.8	1157.8	1159.8	1163.4	1168.6	1174.0
23°	1172.2	1170.7	1166.6	1160.7	1155.3	1151.3	1149.4	1151.3	1155.3	1160.7	1166.6
24°	1165.3	1163.4	1158.7	1152.8	1146.9	1142.6	1140.6	1142.6	1146.9	1152.8	1158.7
25°	1158.0	1155.9	1151.0	1144.4	1137.8	1133.2	1131.2	1133.2	1137.8	1144.4	1151.0
26°	1150.1	1147.9	1142.6	1135.4	1129.1	1123.6	1121.7	1123.6	1129.1	1135.4	1142.6
27°	1142.0	1139.5	1134.1	1126.2	1119.3	1113.7	1111.5	1113.7	1119.3	1126.2	1134.1
28°	1133.3	1131.0	1124.9	1116.8	1109.0	1103.3	1101.0	1103.3	1109.0	1116.8	1124.9
29°	1124.5	1121.9	1115.7	1107.0	1099.0	1092.5	1090.4	1092.5	1099.0	1107.0	1115.7
30°	1115.2	1112.6	1106.0	1096.8	1088.3	1081.5	1079.6	1081.5	1088.3	1096.8	1106.0
31°	1105.2	1102.9	1095.8	1086.1	1077.1	1070.2	1068.2	1070.2	1077.1	1086.1	1095.8
32°	1095.5	1092.9	1085.3	1075.1	1065.9	1058.6	1056.6	1058.6	1065.9	1075.1	1085.3
33°	1085.2	1082.3	1074.5	1064.0	1054.3	1047.4	1045.3	1047.4	1054.3	1064.0	1074.5
34°	1074.9	1071.5	1063.3	1052.8	1043.2	1036.5	1033.9	1036.5	1043.2	1052.8	1063.3
35°	1063.9	1060.5	1052.7	1042.0	1032.1	1024.8	1021.6	1024.8	1032.1	1042.0	1052.7
36°	1052.7	1049.9	1042.0	1031.3	1019.9	1011.6	1008.5	1011.6	1019.9	1031.3	1042.0
37°	1041.9	1039.4	1031.1	1018.9	1006.7	998.0	994.6	998.0	1006.7	1018.9	1031.1
38°	1030.9	1028.5	1018.8	1005.9	993.2	984.0	980.4	984.0	993.2	1005.9	1018.8
39°	1019.3	1015.7	1005.8	992.2	979.1	969.6	966.0	969.6	979.1	992.2	1005.8
40°	1006.3	1002.6	992.3	978.7	964.9	955.2	951.6	955.2	964.9	978.7	992.3
41°	993.1	988.9	978.8	964.5	950.0	940.4	936.4	940.4	950.0	964.5	978.8
42°	979.3	975.0	964.6	949.7	935.3	925.1	921.1	925.1	935.3	949.7	964.6
43°	965.0	960.9	950.0	934.9	919.8	909.5	905.2	909.5	919.8	934.9	950.0
44°	950.3	946.4	935.1	919.8	904.4	893.5	889.5	893.5	904.4	919.8	935.1



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**CANDELA DISTRIBUTION (continued):**

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	935.4	931.3	919.9	903.8	888.3	877.5	872.7	877.5	888.3	903.8	919.9
46°	920.3	916.0	904.2	887.9	872.2	860.9	856.6	860.9	872.2	887.9	904.2
47°	904.1	899.9	887.9	871.5	855.5	844.2	839.7	844.2	855.5	871.5	887.9
48°	888.4	884.0	871.5	854.9	838.8	827.0	822.7	827.0	838.8	854.9	871.5
49°	871.9	867.2	854.6	837.8	821.5	809.7	805.5	809.7	821.5	837.8	854.6
50°	855.0	850.2	837.6	820.5	804.0	792.2	787.9	792.2	804.0	820.5	837.6
51°	837.5	832.8	820.1	802.7	786.2	774.2	769.7	774.2	786.2	802.7	820.1
52°	819.8	815.2	802.2	784.8	768.1	756.1	751.3	756.1	768.1	784.8	802.2
53°	801.9	797.1	783.9	766.5	749.8	737.4	732.8	737.4	749.8	766.5	783.9
54°	783.4	778.5	765.4	747.8	730.9	718.6	714.1	718.6	730.9	747.8	765.4
55°	764.5	759.6	746.5	728.9	712.0	699.7	695.5	699.7	712.0	728.9	746.5
56°	745.2	740.5	727.2	709.8	692.9	680.5	676.4	680.5	692.9	709.8	727.2
57°	725.6	720.8	707.7	690.2	673.4	661.2	656.8	661.2	673.4	690.2	707.7
58°	705.7	700.9	687.8	670.4	653.8	641.6	637.6	641.6	653.8	670.4	687.8
59°	685.4	680.4	667.5	650.4	633.6	621.8	617.6	621.8	633.6	650.4	667.5
60°	664.8	659.9	647.2	630.3	613.5	601.8	597.5	601.8	613.5	630.3	647.2
61°	643.7	639.2	626.5	609.7	593.2	581.6	577.3	581.6	593.2	609.7	626.5
62°	622.4	618.1	605.5	588.7	572.8	561.4	557.2	561.4	572.8	588.7	605.5
63°	600.5	596.3	584.2	568.0	551.8	540.7	536.8	540.7	551.8	568.0	584.2
64°	578.9	574.6	562.8	546.6	531.1	520.2	516.3	520.2	531.1	546.6	562.8
65°	557.1	552.4	541.0	525.3	511.5	500.0	496.3	500.0	511.5	525.3	541.0
66°	534.6	530.1	518.9	503.7	490.4	480.0	476.1	480.0	490.4	503.7	518.9
67°	512.7	507.9	497.4	483.0	469.2	459.2	455.4	459.2	469.2	483.0	497.4
68°	490.1	485.7	475.5	461.7	447.7	438.1	434.6	438.1	447.7	461.7	475.5
69°	467.4	463.7	453.3	439.8	426.2	417.1	413.4	417.1	426.2	439.8	453.3
70°	444.2	440.5	430.6	417.6	404.8	395.9	392.4	395.9	404.8	417.6	430.6
71°	420.9	417.3	407.9	395.5	383.1	374.6	371.3	374.6	383.1	395.5	407.9
72°	397.4	394.1	385.1	373.3	361.7	353.7	350.3	353.7	361.7	373.3	385.1
73°	373.7	370.6	362.2	351.0	340.0	332.3	329.3	332.3	340.0	351.0	362.2
74°	350.1	347.3	339.4	328.9	318.5	311.2	308.6	311.2	318.5	328.9	339.4
75°	326.4	323.8	316.4	306.7	296.9	290.3	287.9	290.3	296.9	306.7	316.4
76°	302.7	300.2	293.6	284.5	275.5	269.3	266.9	269.3	275.5	284.5	293.6
77°	279.1	276.9	270.8	262.5	254.3	248.5	246.2	248.5	254.3	262.5	270.8
78°	255.6	253.5	248.1	240.5	233.0	227.6	225.7	227.6	233.0	240.5	248.1
79°	232.4	230.5	225.5	218.7	211.9	207.1	205.3	207.1	211.9	218.7	225.5
80°	209.1	207.5	203.1	197.0	191.0	187.1	185.2	187.1	191.0	197.0	203.1
81°	185.6	184.5	181.0	175.7	170.5	167.2	165.8	167.2	170.5	175.7	181.0
82°	162.5	161.6	158.9	154.5	150.4	147.9	146.6	147.9	150.4	154.5	158.9
83°	139.5	139.0	137.2	134.2	131.0	129.0	128.2	129.0	131.0	134.2	137.2
84°	117.2	116.7	115.6	114.1	111.9	110.6	109.8	110.6	111.9	114.1	115.6
85°	95.0	94.9	94.5	94.3	93.6	92.7	92.2	92.7	93.6	94.3	94.5
86°	74.1	74.1	74.9	75.9	75.8	75.2	74.7	75.2	75.8	75.9	74.9
87°	54.0	54.4	56.6	58.1	58.6	57.9	57.4	57.9	58.6	58.1	56.6
88°	36.5	37.6	39.8	41.7	42.5	42.0	41.9	42.0	42.5	41.7	39.8
89°	21.4	22.8	24.8	26.4	27.7	27.7	27.0	27.7	27.7	26.4	24.8



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 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**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: P973035  
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**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: P973035  
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**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: P973035  
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1	1251.1
1°	1251.2	1251.1	1251.2	1250.8	1250.8	1251.2	1250.8	1251.5	1250.8	1251.2	1250.8
2°	1250.8	1250.6	1250.8	1250.1	1250.4	1250.8	1250.1	1250.7	1250.1	1250.8	1250.4
3°	1250.0	1249.7	1250.0	1249.4	1249.7	1249.7	1249.3	1249.2	1249.3	1249.7	1249.7
4°	1248.6	1248.8	1248.6	1248.1	1248.3	1248.4	1247.9	1248.3	1247.9	1248.4	1248.3
5°	1247.4	1247.4	1247.4	1247.1	1246.8	1246.6	1246.1	1246.2	1246.1	1246.6	1246.8
6°	1245.4	1246.0	1245.4	1245.2	1244.9	1244.7	1244.3	1244.2	1244.3	1244.7	1244.9
7°	1243.5	1244.2	1243.5	1243.2	1242.9	1242.0	1241.8	1241.7	1241.8	1242.0	1242.9
8°	1241.5	1242.0	1241.5	1240.9	1240.5	1239.5	1238.8	1238.8	1238.8	1239.5	1240.5
9°	1239.0	1239.5	1239.0	1238.2	1237.3	1236.3	1235.7	1235.7	1235.7	1236.3	1237.3
10°	1236.2	1236.7	1236.2	1235.4	1234.2	1233.1	1232.2	1231.9	1232.2	1233.1	1234.2
11°	1233.1	1233.5	1233.1	1232.0	1230.7	1229.3	1228.1	1227.6	1228.1	1229.3	1230.7
12°	1229.4	1230.0	1229.4	1228.6	1226.9	1225.0	1223.8	1223.1	1223.8	1225.0	1226.9
13°	1225.5	1226.2	1225.5	1224.6	1222.5	1220.3	1219.2	1218.3	1219.2	1220.3	1222.5
14°	1221.4	1222.0	1221.4	1220.4	1218.0	1215.5	1214.1	1213.0	1214.1	1215.5	1218.0
15°	1217.3	1218.1	1217.3	1215.8	1213.3	1210.4	1208.5	1207.4	1208.5	1210.4	1213.3
16°	1212.2	1213.6	1212.2	1210.9	1208.0	1204.6	1202.7	1201.7	1202.7	1204.6	1208.0
17°	1207.7	1208.4	1207.7	1205.4	1202.3	1198.5	1196.5	1195.3	1196.5	1198.5	1202.3
18°	1202.2	1203.2	1202.2	1200.0	1196.1	1192.1	1190.0	1188.4	1190.0	1192.1	1196.1
19°	1196.8	1197.5	1196.8	1193.9	1189.8	1185.4	1182.7	1181.5	1182.7	1185.4	1189.8
20°	1190.5	1191.8	1190.5	1187.6	1183.1	1178.4	1175.6	1173.7	1175.6	1178.4	1183.1
21°	1184.2	1185.4	1184.2	1180.8	1176.1	1171.0	1167.9	1166.1	1167.9	1171.0	1176.1
22°	1177.6	1178.9	1177.6	1174.0	1168.6	1163.4	1159.8	1157.8	1159.8	1163.4	1168.6
23°	1170.7	1172.2	1170.7	1166.6	1160.7	1155.3	1151.3	1149.4	1151.3	1155.3	1160.7
24°	1163.4	1165.3	1163.4	1158.7	1152.8	1146.9	1142.6	1140.6	1142.6	1146.9	1152.8
25°	1155.9	1158.0	1155.9	1151.0	1144.4	1137.8	1133.2	1131.2	1133.2	1137.8	1144.4
26°	1147.9	1150.1	1147.9	1142.6	1135.4	1129.1	1123.6	1121.7	1123.6	1129.1	1135.4
27°	1139.5	1142.0	1139.5	1134.1	1126.2	1119.3	1113.7	1111.5	1113.7	1119.3	1126.2
28°	1131.0	1133.3	1131.0	1124.9	1116.8	1109.0	1103.3	1101.0	1103.3	1109.0	1116.8
29°	1121.9	1124.5	1121.9	1115.7	1107.0	1099.0	1092.5	1090.4	1092.5	1099.0	1107.0
30°	1112.6	1115.2	1112.6	1106.0	1096.8	1088.3	1081.5	1079.6	1081.5	1088.3	1096.8
31°	1102.9	1105.2	1102.9	1095.8	1086.1	1077.1	1070.2	1068.2	1070.2	1077.1	1086.1
32°	1092.9	1095.5	1092.9	1085.3	1075.1	1065.9	1058.6	1056.6	1058.6	1065.9	1075.1
33°	1082.3	1085.2	1082.3	1074.5	1064.0	1054.3	1047.4	1045.3	1047.4	1054.3	1064.0
34°	1071.5	1074.9	1071.5	1063.3	1052.8	1043.2	1036.5	1033.9	1036.5	1043.2	1052.8
35°	1060.5	1063.9	1060.5	1052.7	1042.0	1032.1	1024.8	1021.6	1024.8	1032.1	1042.0
36°	1049.9	1052.7	1049.9	1042.0	1031.3	1019.9	1011.6	1008.5	1011.6	1019.9	1031.3
37°	1039.4	1041.9	1039.4	1031.1	1018.9	1006.7	998.0	994.6	998.0	1006.7	1018.9
38°	1028.5	1030.9	1028.5	1018.8	1005.9	993.2	984.0	980.4	984.0	993.2	1005.9
39°	1015.7	1019.3	1015.7	1005.8	992.2	979.1	969.6	966.0	969.6	979.1	992.2
40°	1002.6	1006.3	1002.6	992.3	978.7	964.9	955.2	951.6	955.2	964.9	978.7
41°	988.9	993.1	988.9	978.8	964.5	950.0	940.4	936.4	940.4	950.0	964.5
42°	975.0	979.3	975.0	964.6	949.7	935.3	925.1	921.1	925.1	935.3	949.7
43°	960.9	965.0	960.9	950.0	934.9	919.8	909.5	905.2	909.5	919.8	934.9
44°	946.4	950.3	946.4	935.1	919.8	904.4	893.5	889.5	893.5	904.4	919.8



TEST NUMBER: P973035  
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**CANDELA DISTRIBUTION (continued):**

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	931.3	935.4	931.3	919.9	903.8	888.3	877.5	872.7	877.5	888.3	903.8
46°	916.0	920.3	916.0	904.2	887.9	872.2	860.9	856.6	860.9	872.2	887.9
47°	899.9	904.1	899.9	887.9	871.5	855.5	844.2	839.7	844.2	855.5	871.5
48°	884.0	888.4	884.0	871.5	854.9	838.8	827.0	822.7	827.0	838.8	854.9
49°	867.2	871.9	867.2	854.6	837.8	821.5	809.7	805.5	809.7	821.5	837.8
50°	850.2	855.0	850.2	837.6	820.5	804.0	792.2	787.9	792.2	804.0	820.5
51°	832.8	837.5	832.8	820.1	802.7	786.2	774.2	769.7	774.2	786.2	802.7
52°	815.2	819.8	815.2	802.2	784.8	768.1	756.1	751.3	756.1	768.1	784.8
53°	797.1	801.9	797.1	783.9	766.5	749.8	737.4	732.8	737.4	749.8	766.5
54°	778.5	783.4	778.5	765.4	747.8	730.9	718.6	714.1	718.6	730.9	747.8
55°	759.6	764.5	759.6	746.5	728.9	712.0	699.7	695.5	699.7	712.0	728.9
56°	740.5	745.2	740.5	727.2	709.8	692.9	680.5	676.4	680.5	692.9	709.8
57°	720.8	725.6	720.8	707.7	690.2	673.4	661.2	656.8	661.2	673.4	690.2
58°	700.9	705.7	700.9	687.8	670.4	653.8	641.6	637.6	641.6	653.8	670.4
59°	680.4	685.4	680.4	667.5	650.4	633.6	621.8	617.6	621.8	633.6	650.4
60°	659.9	664.8	659.9	647.2	630.3	613.5	601.8	597.5	601.8	613.5	630.3
61°	639.2	643.7	639.2	626.5	609.7	593.2	581.6	577.3	581.6	593.2	609.7
62°	618.1	622.4	618.1	605.5	588.7	572.8	561.4	557.2	561.4	572.8	588.7
63°	596.3	600.5	596.3	584.2	568.0	551.8	540.7	536.8	540.7	551.8	568.0
64°	574.6	578.9	574.6	562.8	546.6	531.1	520.2	516.3	520.2	531.1	546.6
65°	552.4	557.1	552.4	541.0	525.3	511.5	500.0	496.3	500.0	511.5	525.3
66°	530.1	534.6	530.1	518.9	503.7	490.4	480.0	476.1	480.0	490.4	503.7
67°	507.9	512.7	507.9	497.4	483.0	469.2	459.2	455.4	459.2	469.2	483.0
68°	485.7	490.1	485.7	475.5	461.7	447.7	438.1	434.6	438.1	447.7	461.7
69°	463.7	467.4	463.7	453.3	439.8	426.2	417.1	413.4	417.1	426.2	439.8
70°	440.5	444.2	440.5	430.6	417.6	404.8	395.9	392.4	395.9	404.8	417.6
71°	417.3	420.9	417.3	407.9	395.5	383.1	374.6	371.3	374.6	383.1	395.5
72°	394.1	397.4	394.1	385.1	373.3	361.7	353.7	350.3	353.7	361.7	373.3
73°	370.6	373.7	370.6	362.2	351.0	340.0	332.3	329.3	332.3	340.0	351.0
74°	347.3	350.1	347.3	339.4	328.9	318.5	311.2	308.6	311.2	318.5	328.9
75°	323.8	326.4	323.8	316.4	306.7	296.9	290.3	287.9	290.3	296.9	306.7
76°	300.2	302.7	300.2	293.6	284.5	275.5	269.3	266.9	269.3	275.5	284.5
77°	276.9	279.1	276.9	270.8	262.5	254.3	248.5	246.2	248.5	254.3	262.5
78°	253.5	255.6	253.5	248.1	240.5	233.0	227.6	225.7	227.6	233.0	240.5
79°	230.5	232.4	230.5	225.5	218.7	211.9	207.1	205.3	207.1	211.9	218.7
80°	207.5	209.1	207.5	203.1	197.0	191.0	187.1	185.2	187.1	191.0	197.0
81°	184.5	185.6	184.5	181.0	175.7	170.5	167.2	165.8	167.2	170.5	175.7
82°	161.6	162.5	161.6	158.9	154.5	150.4	147.9	146.6	147.9	150.4	154.5
83°	139.0	139.5	139.0	137.2	134.2	131.0	129.0	128.2	129.0	131.0	134.2
84°	116.7	117.2	116.7	115.6	114.1	111.9	110.6	109.8	110.6	111.9	114.1
85°	94.9	95.0	94.9	94.5	94.3	93.6	92.7	92.2	92.7	93.6	94.3
86°	74.1	74.1	74.1	74.9	75.9	75.8	75.2	74.7	75.2	75.8	75.9
87°	54.4	54.0	54.4	56.6	58.1	58.6	57.9	57.4	57.9	58.6	58.1
88°	37.6	36.5	37.6	39.8	41.7	42.5	42.0	41.9	42.0	42.5	41.7
89°	22.8	21.4	22.8	24.8	26.4	27.7	27.7	27.0	27.7	27.7	26.4



TEST NUMBER: P973035  
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**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: P973035  
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**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: P973035  
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**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: P973035

CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
0°	1251.1	1251.1	1251.1
1°	1250.8	1251.2	1251.1
2°	1250.1	1250.8	1250.6
3°	1249.4	1250.0	1249.7
4°	1248.1	1248.6	1248.8
5°	1247.1	1247.4	1247.4
6°	1245.2	1245.4	1246.0
7°	1243.2	1243.5	1244.2
8°	1240.9	1241.5	1242.0
9°	1238.2	1239.0	1239.5
10°	1235.4	1236.2	1236.7
11°	1232.0	1233.1	1233.5
12°	1228.6	1229.4	1230.0
13°	1224.6	1225.5	1226.2
14°	1220.4	1221.4	1222.0
15°	1215.8	1217.3	1218.1
16°	1210.9	1212.2	1213.6
17°	1205.4	1207.7	1208.4
18°	1200.0	1202.2	1203.2
19°	1193.9	1196.8	1197.5
20°	1187.6	1190.5	1191.8
21°	1180.8	1184.2	1185.4
22°	1174.0	1177.6	1178.9
23°	1166.6	1170.7	1172.2
24°	1158.7	1163.4	1165.3
25°	1151.0	1155.9	1158.0
26°	1142.6	1147.9	1150.1
27°	1134.1	1139.5	1142.0
28°	1124.9	1131.0	1133.3
29°	1115.7	1121.9	1124.5
30°	1106.0	1112.6	1115.2
31°	1095.8	1102.9	1105.2
32°	1085.3	1092.9	1095.5
33°	1074.5	1082.3	1085.2
34°	1063.3	1071.5	1074.9
35°	1052.7	1060.5	1063.9
36°	1042.0	1049.9	1052.7
37°	1031.1	1039.4	1041.9
38°	1018.8	1028.5	1030.9
39°	1005.8	1015.7	1019.3
40°	992.3	1002.6	1006.3
41°	978.8	988.9	993.1
42°	964.6	975.0	979.3
43°	950.0	960.9	965.0
44°	935.1	946.4	950.3





TEST NUMBER: P973035  
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
45°	919.9	931.3	935.4
46°	904.2	916.0	920.3
47°	887.9	899.9	904.1
48°	871.5	884.0	888.4
49°	854.6	867.2	871.9
50°	837.6	850.2	855.0
51°	820.1	832.8	837.5
52°	802.2	815.2	819.8
53°	783.9	797.1	801.9
54°	765.4	778.5	783.4
55°	746.5	759.6	764.5
56°	727.2	740.5	745.2
57°	707.7	720.8	725.6
58°	687.8	700.9	705.7
59°	667.5	680.4	685.4
60°	647.2	659.9	664.8
61°	626.5	639.2	643.7
62°	605.5	618.1	622.4
63°	584.2	596.3	600.5
64°	562.8	574.6	578.9
65°	541.0	552.4	557.1
66°	518.9	530.1	534.6
67°	497.4	507.9	512.7
68°	475.5	485.7	490.1
69°	453.3	463.7	467.4
70°	430.6	440.5	444.2
71°	407.9	417.3	420.9
72°	385.1	394.1	397.4
73°	362.2	370.6	373.7
74°	339.4	347.3	350.1
75°	316.4	323.8	326.4
76°	293.6	300.2	302.7
77°	270.8	276.9	279.1
78°	248.1	253.5	255.6
79°	225.5	230.5	232.4
80°	203.1	207.5	209.1
81°	181.0	184.5	185.6
82°	158.9	161.6	162.5
83°	137.2	139.0	139.5
84°	115.6	116.7	117.2
85°	94.5	94.9	95.0
86°	74.9	74.1	74.1
87°	56.6	54.4	54.0
88°	39.8	37.6	36.5
89°	24.8	22.8	21.4



TEST NUMBER: P973035  
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**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: P973035  
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**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: P973035  
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)