

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: P973036

Luminaire Tested: 24CGRK-L3C3-UNV-MP4-MID-5000K

Issue Date: 3/12/2025

Test Information

Test Method: LM-79-2019
Report Number: P973036
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-5000K
Description: 2x4 CGRK Backlit Panel Retrofit Kit at, MID lumen, 5000K CCT settings
Light Source: -
Ballast/Driver: -

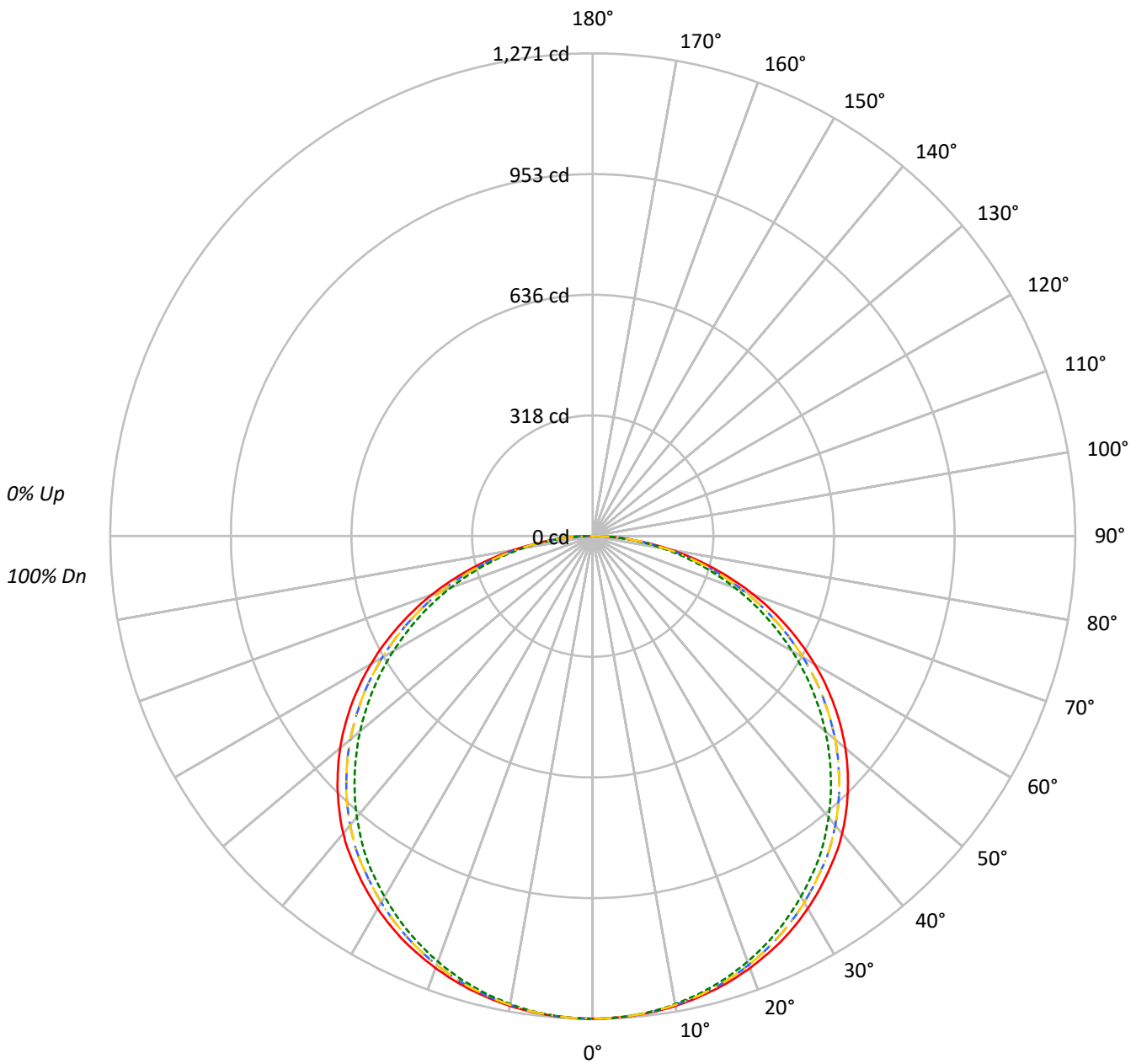
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4002.0 lumens
Efficiency: N/A
Efficacy: 139.9 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): 28.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P973036
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P973036

CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

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°	1946	1946	1946	1946
5°	1948	1946	1948	1946
10°	1954	1946	1954	1946
15°	1962	1945	1962	1945
20°	1973	1943	1973	1943
25°	1988	1942	1988	1942
30°	2003	1939	2003	1939
35°	2020	1940	2020	1940
40°	2044	1933	2044	1933
45°	2058	1920	2058	1920
50°	2069	1907	2069	1907
55°	2073	1886	2073	1886
60°	2069	1859	2069	1859
65°	2051	1827	2051	1827
70°	2021	1785	2021	1785
75°	1962	1730	1962	1730
80°	1873	1659	1873	1659
85°	1696	1645	1696	1645

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 89°
 Luminance: 2475 cd/sqm



TEST NUMBER: P973036
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	3.0
10°-20°	348.0	8.7
20°-30°	536.1	13.4
30°-40°	662.6	16.6
40°-50°	708.3	17.7
50°-60°	661.9	16.5
60°-70°	528.4	13.2
70°-80°	329.0	8.2
80°-90°	107.1	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°	1004.6	25.1
0°-40°	1667.3	41.7
0°-60°	3037.4	75.9
0°-90°	4002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4002.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1271	1271	1271	1271	1271	
5°	1267	1266	1267	1266	1267	121
15°	1237	1226	1237	1226	1237	350
25°	1176	1149	1176	1149	1176	543
35°	1081	1038	1081	1038	1081	677
45°	950	886	950	886	950	733
55°	776	706	776	706	776	693
65°	566	504	566	504	566	559
75°	332	292	332	292	332	350
85°	96	94	96	94	96	103
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: P973036

CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
1°	1270.8	1270.9	1270.5	1270.5	1270.9	1270.5	1271.2	1270.5	1270.9	1270.5	1270.5
2°	1270.3	1270.4	1269.8	1270.0	1270.4	1269.7	1270.4	1269.7	1270.4	1270.0	1269.8
3°	1269.4	1269.6	1269.1	1269.3	1269.4	1268.9	1268.8	1268.9	1269.4	1269.3	1269.1
4°	1268.4	1268.3	1267.8	1267.9	1268.0	1267.5	1267.9	1267.5	1268.0	1267.9	1267.8
5°	1267.0	1267.0	1266.7	1266.4	1266.3	1265.7	1265.9	1265.7	1266.3	1266.4	1266.7
6°	1265.6	1265.0	1264.8	1264.5	1264.2	1263.8	1263.8	1263.8	1264.2	1264.5	1264.8
7°	1263.8	1263.0	1262.8	1262.5	1261.6	1261.3	1261.3	1261.3	1261.6	1262.5	1262.8
8°	1261.6	1261.0	1260.4	1260.0	1259.0	1258.3	1258.3	1258.3	1259.0	1260.0	1260.4
9°	1259.0	1258.5	1257.7	1256.7	1255.8	1255.1	1255.1	1255.1	1255.8	1256.7	1257.7
10°	1256.2	1255.6	1254.9	1253.6	1252.5	1251.6	1251.3	1251.6	1252.5	1253.6	1254.9
11°	1252.9	1252.5	1251.4	1250.0	1248.6	1247.4	1246.9	1247.4	1248.6	1250.0	1251.4
12°	1249.3	1248.8	1247.9	1246.2	1244.2	1243.0	1242.4	1243.0	1244.2	1246.2	1247.9
13°	1245.5	1244.8	1243.8	1241.7	1239.5	1238.4	1237.5	1238.4	1239.5	1241.7	1243.8
14°	1241.3	1240.6	1239.6	1237.1	1234.6	1233.2	1232.1	1233.2	1234.6	1237.1	1239.6
15°	1237.2	1236.4	1234.9	1232.4	1229.5	1227.5	1226.4	1227.5	1229.5	1232.4	1234.9
16°	1232.7	1231.3	1230.0	1227.0	1223.5	1221.6	1220.6	1221.6	1223.5	1227.0	1230.0
17°	1227.4	1226.7	1224.4	1221.2	1217.4	1215.3	1214.1	1215.3	1217.4	1221.2	1224.4
18°	1222.1	1221.1	1218.8	1215.0	1210.9	1208.7	1207.1	1208.7	1210.9	1215.0	1218.8
19°	1216.3	1215.6	1212.7	1208.5	1204.1	1201.3	1200.1	1201.3	1204.1	1208.5	1212.7
20°	1210.5	1209.2	1206.3	1201.7	1197.0	1194.1	1192.1	1194.1	1197.0	1201.7	1206.3
21°	1204.1	1202.9	1199.4	1194.6	1189.4	1186.3	1184.4	1186.3	1189.4	1194.6	1199.4
22°	1197.5	1196.1	1192.5	1187.0	1181.7	1178.0	1176.0	1178.0	1181.7	1187.0	1192.5
23°	1190.7	1189.2	1185.0	1179.0	1173.5	1169.4	1167.5	1169.4	1173.5	1179.0	1185.0
24°	1183.6	1181.7	1177.0	1170.9	1165.0	1160.6	1158.5	1160.6	1165.0	1170.9	1177.0
25°	1176.2	1174.1	1169.1	1162.4	1155.7	1151.0	1149.0	1151.0	1155.7	1162.4	1169.1
26°	1168.2	1165.9	1160.6	1153.3	1146.8	1141.3	1139.3	1141.3	1146.8	1153.3	1160.6
27°	1160.0	1157.5	1151.9	1143.9	1136.9	1131.3	1129.0	1131.3	1136.9	1143.9	1151.9
28°	1151.2	1148.8	1142.6	1134.3	1126.5	1120.6	1118.4	1120.6	1126.5	1134.3	1142.6
29°	1142.1	1139.6	1133.3	1124.4	1116.3	1109.7	1107.5	1109.7	1116.3	1124.4	1133.3
30°	1132.8	1130.1	1123.4	1114.1	1105.5	1098.5	1096.6	1098.5	1105.5	1114.1	1123.4
31°	1122.6	1120.2	1113.0	1103.2	1094.0	1087.1	1085.1	1087.1	1094.0	1103.2	1113.0
32°	1112.7	1110.0	1102.4	1092.1	1082.7	1075.3	1073.2	1075.3	1082.7	1092.1	1102.4
33°	1102.3	1099.3	1091.4	1080.8	1070.9	1063.8	1061.7	1063.8	1070.9	1080.8	1091.4
34°	1091.8	1088.4	1080.1	1069.4	1059.6	1052.8	1050.2	1052.8	1059.6	1069.4	1080.1
35°	1080.6	1077.1	1069.2	1058.4	1048.4	1040.9	1037.7	1040.9	1048.4	1058.4	1069.2
36°	1069.2	1066.4	1058.4	1047.6	1035.9	1027.5	1024.3	1027.5	1035.9	1047.6	1058.4
37°	1058.3	1055.8	1047.3	1035.0	1022.6	1013.7	1010.3	1013.7	1022.6	1035.0	1047.3
38°	1047.1	1044.7	1034.8	1021.7	1008.8	999.5	995.8	999.5	1008.8	1021.7	1034.8
39°	1035.4	1031.7	1021.6	1007.8	994.5	984.9	981.2	984.9	994.5	1007.8	1021.6
40°	1022.1	1018.4	1008.0	994.1	980.1	970.2	966.6	970.2	980.1	994.1	1008.0
41°	1008.8	1004.5	994.2	979.7	965.0	955.2	951.2	955.2	965.0	979.7	994.2
42°	994.7	990.4	979.8	964.7	950.0	939.7	935.6	939.7	950.0	964.7	979.8
43°	980.2	976.0	965.0	949.7	934.2	923.8	919.5	923.8	934.2	949.7	965.0
44°	965.3	961.3	949.8	934.2	918.6	907.6	903.5	907.6	918.6	934.2	949.8



TEST NUMBER: P973036
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	950.1	945.9	934.3	918.0	902.3	891.3	886.4	891.3	902.3	918.0	934.3
46°	934.7	930.4	918.4	901.8	885.9	874.5	870.1	874.5	885.9	901.8	918.4
47°	918.4	914.1	901.8	885.2	869.0	857.5	852.9	857.5	869.0	885.2	901.8
48°	902.4	897.9	885.2	868.4	852.0	840.0	835.6	840.0	852.0	868.4	885.2
49°	885.6	880.9	868.0	850.9	834.4	822.4	818.2	822.4	834.4	850.9	868.0
50°	868.4	863.6	850.8	833.4	816.7	804.6	800.3	804.6	816.7	833.4	850.8
51°	850.7	845.9	833.0	815.4	798.5	786.4	781.8	786.4	798.5	815.4	833.0
52°	832.7	828.0	814.8	797.1	780.2	768.0	763.2	768.0	780.2	797.1	814.8
53°	814.5	809.7	796.2	778.6	761.6	749.0	744.3	749.0	761.6	778.6	796.2
54°	795.7	790.8	777.4	759.5	742.4	729.9	725.3	729.9	742.4	759.5	777.4
55°	776.5	771.6	758.3	740.4	723.2	710.7	706.4	710.7	723.2	740.4	758.3
56°	757.0	752.2	738.7	720.9	703.8	691.2	687.0	691.2	703.8	720.9	738.7
57°	737.0	732.2	718.9	701.1	684.0	671.6	667.2	671.6	684.0	701.1	718.9
58°	716.8	712.0	698.6	680.9	664.0	651.7	647.6	651.7	664.0	680.9	698.6
59°	696.2	691.1	678.1	660.6	643.6	631.6	627.3	631.6	643.6	660.6	678.1
60°	675.3	670.3	657.4	640.2	623.1	611.3	606.9	611.3	623.1	640.2	657.4
61°	653.8	649.3	636.4	619.3	602.6	590.7	586.4	590.7	602.6	619.3	636.4
62°	632.2	627.8	615.0	598.0	581.8	570.2	566.0	570.2	581.8	598.0	615.0
63°	610.0	605.7	593.4	576.9	560.5	549.2	545.3	549.2	560.5	576.9	593.4
64°	588.0	583.6	571.6	555.2	539.4	528.4	524.4	528.4	539.4	555.2	571.6
65°	565.8	561.1	549.6	533.6	519.5	507.9	504.1	507.9	519.5	533.6	549.6
66°	543.0	538.5	527.1	511.6	498.1	487.6	483.6	487.6	498.1	511.6	527.1
67°	520.8	515.9	505.2	490.6	476.6	466.4	462.5	466.4	476.6	490.6	505.2
68°	497.8	493.4	483.0	469.0	454.7	445.0	441.4	445.0	454.7	469.0	483.0
69°	474.8	470.9	460.5	446.7	432.9	423.6	419.9	423.6	432.9	446.7	460.5
70°	451.2	447.4	437.4	424.1	411.2	402.1	398.6	402.1	411.2	424.1	437.4
71°	427.5	423.9	414.3	401.7	389.2	380.5	377.1	380.5	389.2	401.7	414.3
72°	403.6	400.3	391.2	379.2	367.4	359.2	355.8	359.2	367.4	379.2	391.2
73°	379.5	376.5	367.9	356.5	345.3	337.6	334.5	337.6	345.3	356.5	367.9
74°	355.6	352.8	344.7	334.1	323.5	316.1	313.4	316.1	323.5	334.1	344.7
75°	331.6	328.9	321.4	311.5	301.6	294.9	292.4	294.9	301.6	311.5	321.4
76°	307.5	304.9	298.2	288.9	279.8	273.5	271.1	273.5	279.8	288.9	298.2
77°	283.5	281.2	275.1	266.6	258.3	252.4	250.1	252.4	258.3	266.6	275.1
78°	259.6	257.5	252.0	244.3	236.6	231.2	229.2	231.2	236.6	244.3	252.0
79°	236.1	234.1	229.0	222.1	215.2	210.4	208.6	210.4	215.2	222.1	229.0
80°	212.3	210.7	206.3	200.1	194.0	190.0	188.1	190.0	194.0	200.1	206.3
81°	188.5	187.4	183.8	178.4	173.2	169.8	168.4	169.8	173.2	178.4	183.8
82°	165.1	164.2	161.4	157.0	152.8	150.2	149.0	150.2	152.8	157.0	161.4
83°	141.7	141.2	139.4	136.3	133.0	131.1	130.2	131.1	133.0	136.3	139.4
84°	119.1	118.6	117.4	115.9	113.7	112.4	111.6	112.4	113.7	115.9	117.4
85°	96.5	96.4	96.0	95.8	95.0	94.1	93.6	94.1	95.0	95.8	96.0
86°	75.3	75.3	76.1	77.1	77.0	76.4	75.9	76.4	77.0	77.1	76.1
87°	54.9	55.3	57.5	59.0	59.6	58.8	58.3	58.8	59.6	59.0	57.5
88°	37.1	38.2	40.5	42.3	43.2	42.7	42.5	42.7	43.2	42.3	40.5
89°	21.7	23.1	25.2	26.8	28.2	28.1	27.5	28.1	28.2	26.8	25.2



TEST NUMBER: P973036
 CATALOG NUMBER: 24CGRK-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: P973036
 CATALOG NUMBER: 24CGRK-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: P973036
CATALOG NUMBER: 24CGRK-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: P973036
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
1°	1270.9	1270.8	1270.9	1270.5	1270.5	1270.9	1270.5	1271.2	1270.5	1270.9	1270.5
2°	1270.4	1270.3	1270.4	1269.8	1270.0	1270.4	1269.7	1270.4	1269.7	1270.4	1270.0
3°	1269.6	1269.4	1269.6	1269.1	1269.3	1269.4	1268.9	1268.8	1268.9	1269.4	1269.3
4°	1268.3	1268.4	1268.3	1267.8	1267.9	1268.0	1267.5	1267.9	1267.5	1268.0	1267.9
5°	1267.0	1267.0	1267.0	1266.7	1266.4	1266.3	1265.7	1265.9	1265.7	1266.3	1266.4
6°	1265.0	1265.6	1265.0	1264.8	1264.5	1264.2	1263.8	1263.8	1263.8	1264.2	1264.5
7°	1263.0	1263.8	1263.0	1262.8	1262.5	1261.6	1261.3	1261.3	1261.3	1261.6	1262.5
8°	1261.0	1261.6	1261.0	1260.4	1260.0	1259.0	1258.3	1258.3	1258.3	1259.0	1260.0
9°	1258.5	1259.0	1258.5	1257.7	1256.7	1255.8	1255.1	1255.1	1255.1	1255.8	1256.7
10°	1255.6	1256.2	1255.6	1254.9	1253.6	1252.5	1251.6	1251.3	1251.6	1252.5	1253.6
11°	1252.5	1252.9	1252.5	1251.4	1250.0	1248.6	1247.4	1246.9	1247.4	1248.6	1250.0
12°	1248.8	1249.3	1248.8	1247.9	1246.2	1244.2	1243.0	1242.4	1243.0	1244.2	1246.2
13°	1244.8	1245.5	1244.8	1243.8	1241.7	1239.5	1238.4	1237.5	1238.4	1239.5	1241.7
14°	1240.6	1241.3	1240.6	1239.6	1237.1	1234.6	1233.2	1232.1	1233.2	1234.6	1237.1
15°	1236.4	1237.2	1236.4	1234.9	1232.4	1229.5	1227.5	1226.4	1227.5	1229.5	1232.4
16°	1231.3	1232.7	1231.3	1230.0	1227.0	1223.5	1221.6	1220.6	1221.6	1223.5	1227.0
17°	1226.7	1227.4	1226.7	1224.4	1221.2	1217.4	1215.3	1214.1	1215.3	1217.4	1221.2
18°	1221.1	1222.1	1221.1	1218.8	1215.0	1210.9	1208.7	1207.1	1208.7	1210.9	1215.0
19°	1215.6	1216.3	1215.6	1212.7	1208.5	1204.1	1201.3	1200.1	1201.3	1204.1	1208.5
20°	1209.2	1210.5	1209.2	1206.3	1201.7	1197.0	1194.1	1192.1	1194.1	1197.0	1201.7
21°	1202.9	1204.1	1202.9	1199.4	1194.6	1189.4	1186.3	1184.4	1186.3	1189.4	1194.6
22°	1196.1	1197.5	1196.1	1192.5	1187.0	1181.7	1178.0	1176.0	1178.0	1181.7	1187.0
23°	1189.2	1190.7	1189.2	1185.0	1179.0	1173.5	1169.4	1167.5	1169.4	1173.5	1179.0
24°	1181.7	1183.6	1181.7	1177.0	1170.9	1165.0	1160.6	1158.5	1160.6	1165.0	1170.9
25°	1174.1	1176.2	1174.1	1169.1	1162.4	1155.7	1151.0	1149.0	1151.0	1155.7	1162.4
26°	1165.9	1168.2	1165.9	1160.6	1153.3	1146.8	1141.3	1139.3	1141.3	1146.8	1153.3
27°	1157.5	1160.0	1157.5	1151.9	1143.9	1136.9	1131.3	1129.0	1131.3	1136.9	1143.9
28°	1148.8	1151.2	1148.8	1142.6	1134.3	1126.5	1120.6	1118.4	1120.6	1126.5	1134.3
29°	1139.6	1142.1	1139.6	1133.3	1124.4	1116.3	1109.7	1107.5	1109.7	1116.3	1124.4
30°	1130.1	1132.8	1130.1	1123.4	1114.1	1105.5	1098.5	1096.6	1098.5	1105.5	1114.1
31°	1120.2	1122.6	1120.2	1113.0	1103.2	1094.0	1087.1	1085.1	1087.1	1094.0	1103.2
32°	1110.0	1112.7	1110.0	1102.4	1092.1	1082.7	1075.3	1073.2	1075.3	1082.7	1092.1
33°	1099.3	1102.3	1099.3	1091.4	1080.8	1070.9	1063.8	1061.7	1063.8	1070.9	1080.8
34°	1088.4	1091.8	1088.4	1080.1	1069.4	1059.6	1052.8	1050.2	1052.8	1059.6	1069.4
35°	1077.1	1080.6	1077.1	1069.2	1058.4	1048.4	1040.9	1037.7	1040.9	1048.4	1058.4
36°	1066.4	1069.2	1066.4	1058.4	1047.6	1035.9	1027.5	1024.3	1027.5	1035.9	1047.6
37°	1055.8	1058.3	1055.8	1047.3	1035.0	1022.6	1013.7	1010.3	1013.7	1022.6	1035.0
38°	1044.7	1047.1	1044.7	1034.8	1021.7	1008.8	999.5	995.8	999.5	1008.8	1021.7
39°	1031.7	1035.4	1031.7	1021.6	1007.8	994.5	984.9	981.2	984.9	994.5	1007.8
40°	1018.4	1022.1	1018.4	1008.0	994.1	980.1	970.2	966.6	970.2	980.1	994.1
41°	1004.5	1008.8	1004.5	994.2	979.7	965.0	955.2	951.2	955.2	965.0	979.7
42°	990.4	994.7	990.4	979.8	964.7	950.0	939.7	935.6	939.7	950.0	964.7
43°	976.0	980.2	976.0	965.0	949.7	934.2	923.8	919.5	923.8	934.2	949.7
44°	961.3	965.3	961.3	949.8	934.2	918.6	907.6	903.5	907.6	918.6	934.2



TEST NUMBER: P973036
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	945.9	950.1	945.9	934.3	918.0	902.3	891.3	886.4	891.3	902.3	918.0
46°	930.4	934.7	930.4	918.4	901.8	885.9	874.5	870.1	874.5	885.9	901.8
47°	914.1	918.4	914.1	901.8	885.2	869.0	857.5	852.9	857.5	869.0	885.2
48°	897.9	902.4	897.9	885.2	868.4	852.0	840.0	835.6	840.0	852.0	868.4
49°	880.9	885.6	880.9	868.0	850.9	834.4	822.4	818.2	822.4	834.4	850.9
50°	863.6	868.4	863.6	850.8	833.4	816.7	804.6	800.3	804.6	816.7	833.4
51°	845.9	850.7	845.9	833.0	815.4	798.5	786.4	781.8	786.4	798.5	815.4
52°	828.0	832.7	828.0	814.8	797.1	780.2	768.0	763.2	768.0	780.2	797.1
53°	809.7	814.5	809.7	796.2	778.6	761.6	749.0	744.3	749.0	761.6	778.6
54°	790.8	795.7	790.8	777.4	759.5	742.4	729.9	725.3	729.9	742.4	759.5
55°	771.6	776.5	771.6	758.3	740.4	723.2	710.7	706.4	710.7	723.2	740.4
56°	752.2	757.0	752.2	738.7	720.9	703.8	691.2	687.0	691.2	703.8	720.9
57°	732.2	737.0	732.2	718.9	701.1	684.0	671.6	667.2	671.6	684.0	701.1
58°	712.0	716.8	712.0	698.6	680.9	664.0	651.7	647.6	651.7	664.0	680.9
59°	691.1	696.2	691.1	678.1	660.6	643.6	631.6	627.3	631.6	643.6	660.6
60°	670.3	675.3	670.3	657.4	640.2	623.1	611.3	606.9	611.3	623.1	640.2
61°	649.3	653.8	649.3	636.4	619.3	602.6	590.7	586.4	590.7	602.6	619.3
62°	627.8	632.2	627.8	615.0	598.0	581.8	570.2	566.0	570.2	581.8	598.0
63°	605.7	610.0	605.7	593.4	576.9	560.5	549.2	545.3	549.2	560.5	576.9
64°	583.6	588.0	583.6	571.6	555.2	539.4	528.4	524.4	528.4	539.4	555.2
65°	561.1	565.8	561.1	549.6	533.6	519.5	507.9	504.1	507.9	519.5	533.6
66°	538.5	543.0	538.5	527.1	511.6	498.1	487.6	483.6	487.6	498.1	511.6
67°	515.9	520.8	515.9	505.2	490.6	476.6	466.4	462.5	466.4	476.6	490.6
68°	493.4	497.8	493.4	483.0	469.0	454.7	445.0	441.4	445.0	454.7	469.0
69°	470.9	474.8	470.9	460.5	446.7	432.9	423.6	419.9	423.6	432.9	446.7
70°	447.4	451.2	447.4	437.4	424.1	411.2	402.1	398.6	402.1	411.2	424.1
71°	423.9	427.5	423.9	414.3	401.7	389.2	380.5	377.1	380.5	389.2	401.7
72°	400.3	403.6	400.3	391.2	379.2	367.4	359.2	355.8	359.2	367.4	379.2
73°	376.5	379.5	376.5	367.9	356.5	345.3	337.6	334.5	337.6	345.3	356.5
74°	352.8	355.6	352.8	344.7	334.1	323.5	316.1	313.4	316.1	323.5	334.1
75°	328.9	331.6	328.9	321.4	311.5	301.6	294.9	292.4	294.9	301.6	311.5
76°	304.9	307.5	304.9	298.2	288.9	279.8	273.5	271.1	273.5	279.8	288.9
77°	281.2	283.5	281.2	275.1	266.6	258.3	252.4	250.1	252.4	258.3	266.6
78°	257.5	259.6	257.5	252.0	244.3	236.6	231.2	229.2	231.2	236.6	244.3
79°	234.1	236.1	234.1	229.0	222.1	215.2	210.4	208.6	210.4	215.2	222.1
80°	210.7	212.3	210.7	206.3	200.1	194.0	190.0	188.1	190.0	194.0	200.1
81°	187.4	188.5	187.4	183.8	178.4	173.2	169.8	168.4	169.8	173.2	178.4
82°	164.2	165.1	164.2	161.4	157.0	152.8	150.2	149.0	150.2	152.8	157.0
83°	141.2	141.7	141.2	139.4	136.3	133.0	131.1	130.2	131.1	133.0	136.3
84°	118.6	119.1	118.6	117.4	115.9	113.7	112.4	111.6	112.4	113.7	115.9
85°	96.4	96.5	96.4	96.0	95.8	95.0	94.1	93.6	94.1	95.0	95.8
86°	75.3	75.3	75.3	76.1	77.1	77.0	76.4	75.9	76.4	77.0	77.1
87°	55.3	54.9	55.3	57.5	59.0	59.6	58.8	58.3	58.8	59.6	59.0
88°	38.2	37.1	38.2	40.5	42.3	43.2	42.7	42.5	42.7	43.2	42.3
89°	23.1	21.7	23.1	25.2	26.8	28.2	28.1	27.5	28.1	28.2	26.8



TEST NUMBER: P973036
 CATALOG NUMBER: 24CGRK-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: P973036
 CATALOG NUMBER: 24CGRK-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: P973036
CATALOG NUMBER: 24CGRK-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: P973036

CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	1270.8	1270.8	1270.8
1°	1270.5	1270.9	1270.8
2°	1269.8	1270.4	1270.3
3°	1269.1	1269.6	1269.4
4°	1267.8	1268.3	1268.4
5°	1266.7	1267.0	1267.0
6°	1264.8	1265.0	1265.6
7°	1262.8	1263.0	1263.8
8°	1260.4	1261.0	1261.6
9°	1257.7	1258.5	1259.0
10°	1254.9	1255.6	1256.2
11°	1251.4	1252.5	1252.9
12°	1247.9	1248.8	1249.3
13°	1243.8	1244.8	1245.5
14°	1239.6	1240.6	1241.3
15°	1234.9	1236.4	1237.2
16°	1230.0	1231.3	1232.7
17°	1224.4	1226.7	1227.4
18°	1218.8	1221.1	1222.1
19°	1212.7	1215.6	1216.3
20°	1206.3	1209.2	1210.5
21°	1199.4	1202.9	1204.1
22°	1192.5	1196.1	1197.5
23°	1185.0	1189.2	1190.7
24°	1177.0	1181.7	1183.6
25°	1169.1	1174.1	1176.2
26°	1160.6	1165.9	1168.2
27°	1151.9	1157.5	1160.0
28°	1142.6	1148.8	1151.2
29°	1133.3	1139.6	1142.1
30°	1123.4	1130.1	1132.8
31°	1113.0	1120.2	1122.6
32°	1102.4	1110.0	1112.7
33°	1091.4	1099.3	1102.3
34°	1080.1	1088.4	1091.8
35°	1069.2	1077.1	1080.6
36°	1058.4	1066.4	1069.2
37°	1047.3	1055.8	1058.3
38°	1034.8	1044.7	1047.1
39°	1021.6	1031.7	1035.4
40°	1008.0	1018.4	1022.1
41°	994.2	1004.5	1008.8
42°	979.8	990.4	994.7
43°	965.0	976.0	980.2
44°	949.8	961.3	965.3



TEST NUMBER: P973036

CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	934.3	945.9	950.1
46°	918.4	930.4	934.7
47°	901.8	914.1	918.4
48°	885.2	897.9	902.4
49°	868.0	880.9	885.6
50°	850.8	863.6	868.4
51°	833.0	845.9	850.7
52°	814.8	828.0	832.7
53°	796.2	809.7	814.5
54°	777.4	790.8	795.7
55°	758.3	771.6	776.5
56°	738.7	752.2	757.0
57°	718.9	732.2	737.0
58°	698.6	712.0	716.8
59°	678.1	691.1	696.2
60°	657.4	670.3	675.3
61°	636.4	649.3	653.8
62°	615.0	627.8	632.2
63°	593.4	605.7	610.0
64°	571.6	583.6	588.0
65°	549.6	561.1	565.8
66°	527.1	538.5	543.0
67°	505.2	515.9	520.8
68°	483.0	493.4	497.8
69°	460.5	470.9	474.8
70°	437.4	447.4	451.2
71°	414.3	423.9	427.5
72°	391.2	400.3	403.6
73°	367.9	376.5	379.5
74°	344.7	352.8	355.6
75°	321.4	328.9	331.6
76°	298.2	304.9	307.5
77°	275.1	281.2	283.5
78°	252.0	257.5	259.6
79°	229.0	234.1	236.1
80°	206.3	210.7	212.3
81°	183.8	187.4	188.5
82°	161.4	164.2	165.1
83°	139.4	141.2	141.7
84°	117.4	118.6	119.1
85°	96.0	96.4	96.5
86°	76.1	75.3	75.3
87°	57.5	55.3	54.9
88°	40.5	38.2	37.1
89°	25.2	23.1	21.7



TEST NUMBER: P973036
CATALOG NUMBER: 24CGRK-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: P973036
CATALOG NUMBER: 24CGRK-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: P973036
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-MID-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)