

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: P973033

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

Issue Date: 3/12/2025

Test Information

Test Method: LM-79-2019
Report Number: P973033
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-LOW-5000K
Description: 2x4 CGRK Backlit Panel Retrofit Kit at, LOW lumen, 5000K CCT settings
Light Source: -
Ballast/Driver: -

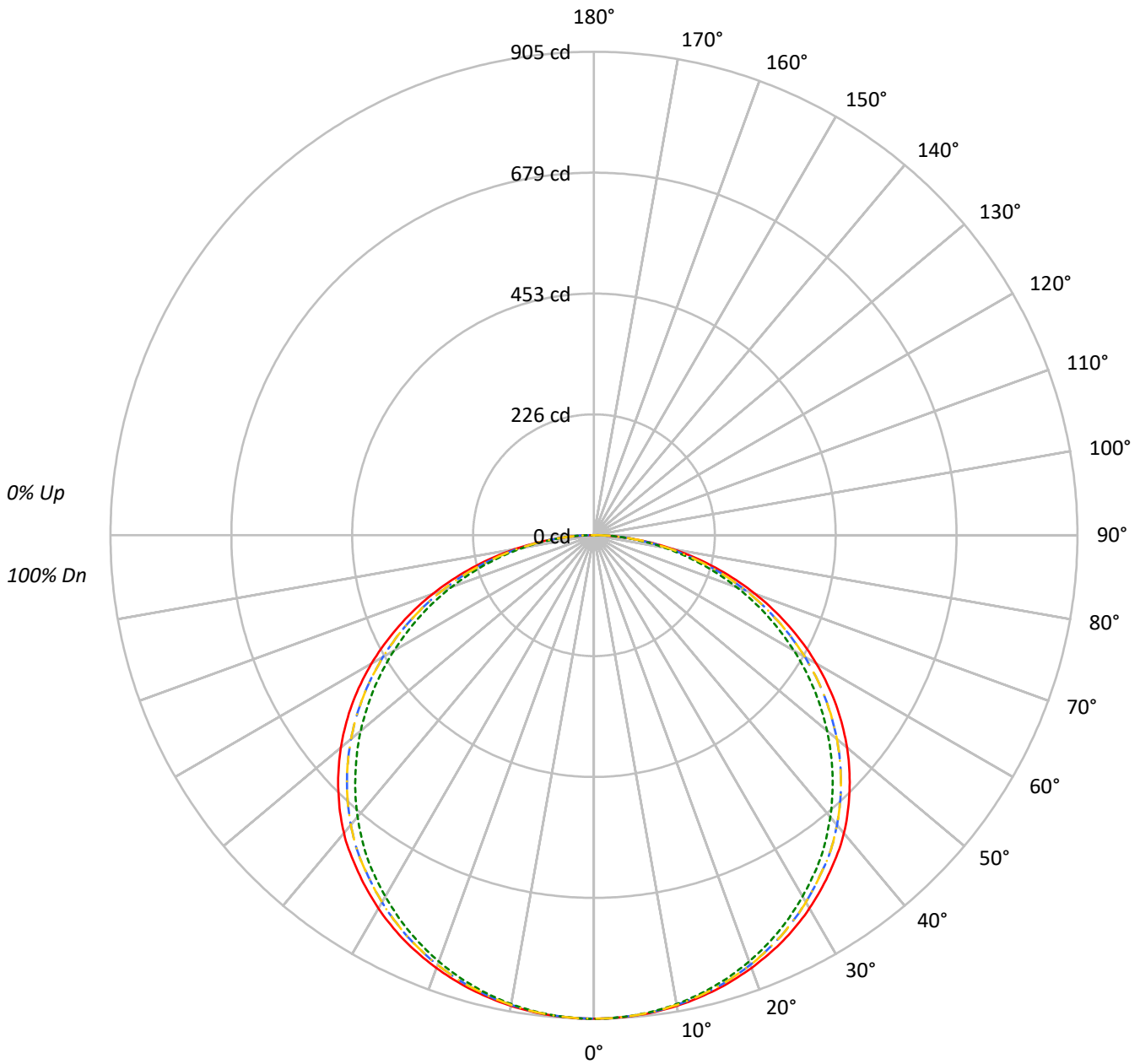
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2850.0 lumens
Efficiency: N/A
Efficacy: 139.7 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): 20.4
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	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°	1386	1386	1386	1386
5°	1387	1386	1387	1386
10°	1391	1386	1391	1386
15°	1397	1385	1397	1385
20°	1405	1384	1405	1384
25°	1416	1383	1416	1383
30°	1427	1381	1427	1381
35°	1439	1382	1439	1382
40°	1455	1376	1455	1376
45°	1466	1367	1466	1367
50°	1474	1358	1474	1358
55°	1477	1343	1477	1343
60°	1473	1324	1473	1324
65°	1461	1301	1461	1301
70°	1439	1271	1439	1271
75°	1397	1233	1397	1233
80°	1334	1181	1334	1181
85°	1207	1172	1207	1172

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 89°
 Luminance: 1764 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	3.0
10°-20°	247.8	8.7
20°-30°	381.8	13.4
30°-40°	471.9	16.6
40°-50°	504.4	17.7
50°-60°	471.3	16.5
60°-70°	376.3	13.2
70°-80°	234.3	8.2
80°-90°	76.3	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°	715.4	25.1
0°-40°	1187.3	41.7
0°-60°	2163.1	75.9
0°-90°	2850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2850.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	905	905	905	905	905	
5°	902	902	902	902	902	86
15°	881	873	881	873	881	249
25°	838	818	838	818	838	386
35°	770	739	770	739	770	482
45°	677	631	677	631	677	522
55°	553	503	553	503	553	494
65°	403	359	403	359	403	398
75°	236	208	236	208	236	249
85°	69	67	69	67	69	73
90°	0	0	0	0	0	5
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°	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0
1°	905.0	905.0	904.8	904.8	905.1	904.8	905.3	904.8	905.1	904.8	904.8
2°	904.6	904.7	904.3	904.5	904.7	904.2	904.7	904.2	904.7	904.5	904.3
3°	904.0	904.2	903.8	903.9	904.0	903.7	903.6	903.7	904.0	903.9	903.8
4°	903.3	903.2	902.8	903.0	903.0	902.7	903.0	902.7	903.0	903.0	902.8
5°	902.3	902.3	902.1	901.9	901.8	901.4	901.5	901.4	901.8	901.9	902.1
6°	901.3	900.9	900.7	900.5	900.3	900.0	900.0	900.0	900.3	900.5	900.7
7°	900.0	899.5	899.3	899.1	898.4	898.3	898.2	898.3	898.4	899.1	899.3
8°	898.4	898.0	897.6	897.3	896.6	896.1	896.1	896.1	896.6	897.3	897.6
9°	896.6	896.2	895.7	895.0	894.3	893.8	893.8	893.8	894.3	895.0	895.7
10°	894.6	894.2	893.7	892.7	891.9	891.3	891.1	891.3	891.9	892.7	893.7
11°	892.2	892.0	891.2	890.2	889.2	888.3	888.0	888.3	889.2	890.2	891.2
12°	889.7	889.3	888.7	887.5	886.1	885.2	884.8	885.2	886.1	887.5	888.7
13°	887.0	886.5	885.8	884.3	882.7	881.9	881.3	881.9	882.7	884.3	885.8
14°	884.0	883.5	882.8	881.0	879.2	878.2	877.4	878.2	879.2	881.0	882.8
15°	881.1	880.5	879.4	877.6	875.6	874.2	873.4	874.2	875.6	877.6	879.4
16°	877.9	876.8	875.9	873.8	871.3	869.9	869.3	869.9	871.3	873.8	875.9
17°	874.1	873.6	872.0	869.7	867.0	865.5	864.6	865.5	867.0	869.7	872.0
18°	870.3	869.6	868.0	865.2	862.3	860.8	859.6	860.8	862.3	865.2	868.0
19°	866.2	865.7	863.6	860.6	857.5	855.5	854.7	855.5	857.5	860.6	863.6
20°	862.1	861.2	859.0	855.8	852.4	850.4	849.0	850.4	852.4	855.8	859.0
21°	857.5	856.6	854.1	850.8	847.0	844.8	843.5	844.8	847.0	850.8	854.1
22°	852.8	851.8	849.2	845.3	841.6	838.9	837.5	838.9	841.6	845.3	849.2
23°	847.9	846.9	843.9	839.6	835.7	832.8	831.4	832.8	835.7	839.6	843.9
24°	842.9	841.6	838.2	833.9	829.6	826.5	825.0	826.5	829.6	833.9	838.2
25°	837.6	836.1	832.6	827.8	823.0	819.7	818.3	819.7	823.0	827.8	832.6
26°	831.9	830.3	826.5	821.3	816.7	812.7	811.4	812.7	816.7	821.3	826.5
27°	826.1	824.3	820.3	814.6	809.6	805.6	804.0	805.6	809.6	814.6	820.3
28°	819.8	818.1	813.7	807.8	802.2	798.0	796.4	798.0	802.2	807.8	813.7
29°	813.4	811.5	807.1	800.7	794.9	790.3	788.7	790.3	794.9	800.7	807.1
30°	806.7	804.8	800.0	793.4	787.2	782.3	780.9	782.3	787.2	793.4	800.0
31°	799.5	797.8	792.6	785.6	779.1	774.1	772.7	774.1	779.1	785.6	792.6
32°	792.4	790.5	785.1	777.7	771.0	765.8	764.3	765.8	771.0	777.7	785.1
33°	785.0	782.9	777.2	769.7	762.6	757.6	756.1	757.6	762.6	769.7	777.2
34°	777.5	775.1	769.2	761.6	754.6	749.7	747.9	749.7	754.6	761.6	769.2
35°	769.6	767.1	761.5	753.8	746.6	741.3	739.0	741.3	746.6	753.8	761.5
36°	761.5	759.4	753.8	746.0	737.7	731.7	729.5	731.7	737.7	746.0	753.8
37°	753.6	751.9	745.8	737.0	728.2	721.9	719.5	721.9	728.2	737.0	745.8
38°	745.7	744.0	736.9	727.6	718.4	711.8	709.1	711.8	718.4	727.6	736.9
39°	737.3	734.7	727.5	717.7	708.2	701.4	698.7	701.4	708.2	717.7	727.5
40°	727.9	725.2	717.8	707.9	697.9	690.9	688.3	690.9	697.9	707.9	717.8
41°	718.4	715.3	708.0	697.7	687.2	680.3	677.4	680.3	687.2	697.7	708.0
42°	708.4	705.3	697.8	687.0	676.5	669.2	666.3	669.2	676.5	687.0	697.8
43°	698.1	695.1	687.2	676.3	665.3	657.9	654.8	657.9	665.3	676.3	687.2
44°	687.4	684.6	676.4	665.3	654.2	646.3	643.4	646.3	654.2	665.3	676.4



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	676.6	673.6	665.4	653.8	642.6	634.7	631.3	634.7	642.6	653.8	665.4
46°	665.7	662.6	654.1	642.2	630.9	622.8	619.6	622.8	630.9	642.2	654.1
47°	654.0	651.0	642.2	630.4	618.9	610.6	607.4	610.6	618.9	630.4	642.2
48°	642.6	639.4	630.4	618.4	606.7	598.2	595.1	598.2	606.7	618.4	630.4
49°	630.7	627.3	618.2	606.0	594.2	585.7	582.7	585.7	594.2	606.0	618.2
50°	618.5	615.0	605.9	593.5	581.6	573.0	569.9	573.0	581.6	593.5	605.9
51°	605.8	602.4	593.2	580.7	568.7	560.0	556.7	560.0	568.7	580.7	593.2
52°	593.0	589.7	580.3	567.7	555.6	546.9	543.5	546.9	555.6	567.7	580.3
53°	580.0	576.6	567.0	554.5	542.3	533.4	530.1	533.4	542.3	554.5	567.0
54°	566.7	563.2	553.7	540.9	528.7	519.8	516.5	519.8	528.7	540.9	553.7
55°	553.0	549.5	540.0	527.3	515.0	506.2	503.1	506.2	515.0	527.3	540.0
56°	539.1	535.7	526.0	513.4	501.2	492.2	489.3	492.2	501.2	513.4	526.0
57°	524.9	521.4	511.9	499.3	487.1	478.3	475.1	478.3	487.1	499.3	511.9
58°	510.5	507.0	497.5	484.9	472.9	464.1	461.2	464.1	472.9	484.9	497.5
59°	495.8	492.2	482.9	470.4	458.3	449.8	446.7	449.8	458.3	470.4	482.9
60°	480.9	477.3	468.2	455.9	443.8	435.3	432.2	435.3	443.8	455.9	468.2
61°	465.6	462.4	453.2	441.0	429.1	420.7	417.6	420.7	429.1	441.0	453.2
62°	450.2	447.1	438.0	425.8	414.3	406.1	403.1	406.1	414.3	425.8	438.0
63°	434.4	431.3	422.6	410.8	399.2	391.1	388.3	391.1	399.2	410.8	422.6
64°	418.8	415.6	407.1	395.4	384.1	376.3	373.5	376.3	384.1	395.4	407.1
65°	403.0	399.6	391.4	380.0	370.0	361.7	359.0	361.7	370.0	380.0	391.4
66°	386.7	383.5	375.4	364.3	354.7	347.2	344.4	347.2	354.7	364.3	375.4
67°	370.9	367.4	359.8	349.4	339.4	332.1	329.4	332.1	339.4	349.4	359.8
68°	354.5	351.4	344.0	334.0	323.8	316.9	314.4	316.9	323.8	334.0	344.0
69°	338.1	335.4	327.9	318.1	308.3	301.7	299.1	301.7	308.3	318.1	327.9
70°	321.3	318.6	311.5	302.1	292.8	286.4	283.9	286.4	292.8	302.1	311.5
71°	304.4	301.9	295.1	286.1	277.1	271.0	268.6	271.0	277.1	286.1	295.1
72°	287.4	285.1	278.6	270.1	261.6	255.8	253.4	255.8	261.6	270.1	278.6
73°	270.3	268.1	262.0	253.9	245.9	240.4	238.2	240.4	245.9	253.9	262.0
74°	253.3	251.2	245.5	237.9	230.4	225.1	223.2	225.1	230.4	237.9	245.5
75°	236.1	234.2	228.9	221.9	214.8	210.0	208.3	210.0	214.8	221.9	228.9
76°	219.0	217.2	212.3	205.8	199.3	194.8	193.1	194.8	199.3	205.8	212.3
77°	201.9	200.3	195.9	189.8	184.0	179.7	178.1	179.7	184.0	189.8	195.9
78°	184.9	183.4	179.5	173.9	168.5	164.7	163.3	164.7	168.5	173.9	179.5
79°	168.1	166.7	163.1	158.2	153.3	149.8	148.5	149.8	153.3	158.2	163.1
80°	151.2	150.1	146.9	142.5	138.1	135.3	133.9	135.3	138.1	142.5	146.9
81°	134.2	133.5	130.9	127.1	123.3	120.9	119.9	120.9	123.3	127.1	130.9
82°	117.5	116.9	115.0	111.8	108.8	107.0	106.1	107.0	108.8	111.8	115.0
83°	100.9	100.5	99.3	97.0	94.7	93.3	92.7	93.3	94.7	97.0	99.3
84°	84.8	84.4	83.6	82.5	81.0	80.0	79.5	80.0	81.0	82.5	83.6
85°	68.7	68.6	68.4	68.2	67.7	67.0	66.7	67.0	67.7	68.2	68.4
86°	53.6	53.6	54.2	54.9	54.9	54.4	54.0	54.4	54.9	54.9	54.2
87°	39.1	39.4	40.9	42.1	42.4	41.9	41.5	41.9	42.4	42.1	40.9
88°	26.4	27.2	28.8	30.1	30.7	30.4	30.3	30.4	30.7	30.1	28.8
89°	15.5	16.5	17.9	19.1	20.1	20.0	19.6	20.0	20.1	19.1	17.9



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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: P973033
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-LOW-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: P973033

CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-LOW-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: P973033

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0
1°	905.0	905.0	905.0	904.8	904.8	905.1	904.8	905.3	904.8	905.1	904.8
2°	904.7	904.6	904.7	904.3	904.5	904.7	904.2	904.7	904.2	904.7	904.5
3°	904.2	904.0	904.2	903.8	903.9	904.0	903.7	903.6	903.7	904.0	903.9
4°	903.2	903.3	903.2	902.8	903.0	903.0	902.7	903.0	902.7	903.0	903.0
5°	902.3	902.3	902.3	902.1	901.9	901.8	901.4	901.5	901.4	901.8	901.9
6°	900.9	901.3	900.9	900.7	900.5	900.3	900.0	900.0	900.0	900.3	900.5
7°	899.5	900.0	899.5	899.3	899.1	898.4	898.3	898.2	898.3	898.4	899.1
8°	898.0	898.4	898.0	897.6	897.3	896.6	896.1	896.1	896.1	896.6	897.3
9°	896.2	896.6	896.2	895.7	895.0	894.3	893.8	893.8	893.8	894.3	895.0
10°	894.2	894.6	894.2	893.7	892.7	891.9	891.3	891.1	891.3	891.9	892.7
11°	892.0	892.2	892.0	891.2	890.2	889.2	888.3	888.0	888.3	889.2	890.2
12°	889.3	889.7	889.3	888.7	887.5	886.1	885.2	884.8	885.2	886.1	887.5
13°	886.5	887.0	886.5	885.8	884.3	882.7	881.9	881.3	881.9	882.7	884.3
14°	883.5	884.0	883.5	882.8	881.0	879.2	878.2	877.4	878.2	879.2	881.0
15°	880.5	881.1	880.5	879.4	877.6	875.6	874.2	873.4	874.2	875.6	877.6
16°	876.8	877.9	876.8	875.9	873.8	871.3	869.9	869.3	869.9	871.3	873.8
17°	873.6	874.1	873.6	872.0	869.7	867.0	865.5	864.6	865.5	867.0	869.7
18°	869.6	870.3	869.6	868.0	865.2	862.3	860.8	859.6	860.8	862.3	865.2
19°	865.7	866.2	865.7	863.6	860.6	857.5	855.5	854.7	855.5	857.5	860.6
20°	861.2	862.1	861.2	859.0	855.8	852.4	850.4	849.0	850.4	852.4	855.8
21°	856.6	857.5	856.6	854.1	850.8	847.0	844.8	843.5	844.8	847.0	850.8
22°	851.8	852.8	851.8	849.2	845.3	841.6	838.9	837.5	838.9	841.6	845.3
23°	846.9	847.9	846.9	843.9	839.6	835.7	832.8	831.4	832.8	835.7	839.6
24°	841.6	842.9	841.6	838.2	833.9	829.6	826.5	825.0	826.5	829.6	833.9
25°	836.1	837.6	836.1	832.6	827.8	823.0	819.7	818.3	819.7	823.0	827.8
26°	830.3	831.9	830.3	826.5	821.3	816.7	812.7	811.4	812.7	816.7	821.3
27°	824.3	826.1	824.3	820.3	814.6	809.6	805.6	804.0	805.6	809.6	814.6
28°	818.1	819.8	818.1	813.7	807.8	802.2	798.0	796.4	798.0	802.2	807.8
29°	811.5	813.4	811.5	807.1	800.7	794.9	790.3	788.7	790.3	794.9	800.7
30°	804.8	806.7	804.8	800.0	793.4	787.2	782.3	780.9	782.3	787.2	793.4
31°	797.8	799.5	797.8	792.6	785.6	779.1	774.1	772.7	774.1	779.1	785.6
32°	790.5	792.4	790.5	785.1	777.7	771.0	765.8	764.3	765.8	771.0	777.7
33°	782.9	785.0	782.9	777.2	769.7	762.6	757.6	756.1	757.6	762.6	769.7
34°	775.1	777.5	775.1	769.2	761.6	754.6	749.7	747.9	749.7	754.6	761.6
35°	767.1	769.6	767.1	761.5	753.8	746.6	741.3	739.0	741.3	746.6	753.8
36°	759.4	761.5	759.4	753.8	746.0	737.7	731.7	729.5	731.7	737.7	746.0
37°	751.9	753.6	751.9	745.8	737.0	728.2	721.9	719.5	721.9	728.2	737.0
38°	744.0	745.7	744.0	736.9	727.6	718.4	711.8	709.1	711.8	718.4	727.6
39°	734.7	737.3	734.7	727.5	717.7	708.2	701.4	698.7	701.4	708.2	717.7
40°	725.2	727.9	725.2	717.8	707.9	697.9	690.9	688.3	690.9	697.9	707.9
41°	715.3	718.4	715.3	708.0	697.7	687.2	680.3	677.4	680.3	687.2	697.7
42°	705.3	708.4	705.3	697.8	687.0	676.5	669.2	666.3	669.2	676.5	687.0
43°	695.1	698.1	695.1	687.2	676.3	665.3	657.9	654.8	657.9	665.3	676.3
44°	684.6	687.4	684.6	676.4	665.3	654.2	646.3	643.4	646.3	654.2	665.3



TEST NUMBER: P973033

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

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	673.6	676.6	673.6	665.4	653.8	642.6	634.7	631.3	634.7	642.6	653.8
46°	662.6	665.7	662.6	654.1	642.2	630.9	622.8	619.6	622.8	630.9	642.2
47°	651.0	654.0	651.0	642.2	630.4	618.9	610.6	607.4	610.6	618.9	630.4
48°	639.4	642.6	639.4	630.4	618.4	606.7	598.2	595.1	598.2	606.7	618.4
49°	627.3	630.7	627.3	618.2	606.0	594.2	585.7	582.7	585.7	594.2	606.0
50°	615.0	618.5	615.0	605.9	593.5	581.6	573.0	569.9	573.0	581.6	593.5
51°	602.4	605.8	602.4	593.2	580.7	568.7	560.0	556.7	560.0	568.7	580.7
52°	589.7	593.0	589.7	580.3	567.7	555.6	546.9	543.5	546.9	555.6	567.7
53°	576.6	580.0	576.6	567.0	554.5	542.3	533.4	530.1	533.4	542.3	554.5
54°	563.2	566.7	563.2	553.7	540.9	528.7	519.8	516.5	519.8	528.7	540.9
55°	549.5	553.0	549.5	540.0	527.3	515.0	506.2	503.1	506.2	515.0	527.3
56°	535.7	539.1	535.7	526.0	513.4	501.2	492.2	489.3	492.2	501.2	513.4
57°	521.4	524.9	521.4	511.9	499.3	487.1	478.3	475.1	478.3	487.1	499.3
58°	507.0	510.5	507.0	497.5	484.9	472.9	464.1	461.2	464.1	472.9	484.9
59°	492.2	495.8	492.2	482.9	470.4	458.3	449.8	446.7	449.8	458.3	470.4
60°	477.3	480.9	477.3	468.2	455.9	443.8	435.3	432.2	435.3	443.8	455.9
61°	462.4	465.6	462.4	453.2	441.0	429.1	420.7	417.6	420.7	429.1	441.0
62°	447.1	450.2	447.1	438.0	425.8	414.3	406.1	403.1	406.1	414.3	425.8
63°	431.3	434.4	431.3	422.6	410.8	399.2	391.1	388.3	391.1	399.2	410.8
64°	415.6	418.8	415.6	407.1	395.4	384.1	376.3	373.5	376.3	384.1	395.4
65°	399.6	403.0	399.6	391.4	380.0	370.0	361.7	359.0	361.7	370.0	380.0
66°	383.5	386.7	383.5	375.4	364.3	354.7	347.2	344.4	347.2	354.7	364.3
67°	367.4	370.9	367.4	359.8	349.4	339.4	332.1	329.4	332.1	339.4	349.4
68°	351.4	354.5	351.4	344.0	334.0	323.8	316.9	314.4	316.9	323.8	334.0
69°	335.4	338.1	335.4	327.9	318.1	308.3	301.7	299.1	301.7	308.3	318.1
70°	318.6	321.3	318.6	311.5	302.1	292.8	286.4	283.9	286.4	292.8	302.1
71°	301.9	304.4	301.9	295.1	286.1	277.1	271.0	268.6	271.0	277.1	286.1
72°	285.1	287.4	285.1	278.6	270.1	261.6	255.8	253.4	255.8	261.6	270.1
73°	268.1	270.3	268.1	262.0	253.9	245.9	240.4	238.2	240.4	245.9	253.9
74°	251.2	253.3	251.2	245.5	237.9	230.4	225.1	223.2	225.1	230.4	237.9
75°	234.2	236.1	234.2	228.9	221.9	214.8	210.0	208.3	210.0	214.8	221.9
76°	217.2	219.0	217.2	212.3	205.8	199.3	194.8	193.1	194.8	199.3	205.8
77°	200.3	201.9	200.3	195.9	189.8	184.0	179.7	178.1	179.7	184.0	189.8
78°	183.4	184.9	183.4	179.5	173.9	168.5	164.7	163.3	164.7	168.5	173.9
79°	166.7	168.1	166.7	163.1	158.2	153.3	149.8	148.5	149.8	153.3	158.2
80°	150.1	151.2	150.1	146.9	142.5	138.1	135.3	133.9	135.3	138.1	142.5
81°	133.5	134.2	133.5	130.9	127.1	123.3	120.9	119.9	120.9	123.3	127.1
82°	116.9	117.5	116.9	115.0	111.8	108.8	107.0	106.1	107.0	108.8	111.8
83°	100.5	100.9	100.5	99.3	97.0	94.7	93.3	92.7	93.3	94.7	97.0
84°	84.4	84.8	84.4	83.6	82.5	81.0	80.0	79.5	80.0	81.0	82.5
85°	68.6	68.7	68.6	68.4	68.2	67.7	67.0	66.7	67.0	67.7	68.2
86°	53.6	53.6	53.6	54.2	54.9	54.9	54.4	54.0	54.4	54.9	54.9
87°	39.4	39.1	39.4	40.9	42.1	42.4	41.9	41.5	41.9	42.4	42.1
88°	27.2	26.4	27.2	28.8	30.1	30.7	30.4	30.3	30.4	30.7	30.1
89°	16.5	15.5	16.5	17.9	19.1	20.1	20.0	19.6	20.0	20.1	19.1



TEST NUMBER: P973033
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-LOW-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: P973033
 CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-LOW-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: P973033
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-LOW-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: P973033

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	905.0	905.0	905.0
1°	904.8	905.0	905.0
2°	904.3	904.7	904.6
3°	903.8	904.2	904.0
4°	902.8	903.2	903.3
5°	902.1	902.3	902.3
6°	900.7	900.9	901.3
7°	899.3	899.5	900.0
8°	897.6	898.0	898.4
9°	895.7	896.2	896.6
10°	893.7	894.2	894.6
11°	891.2	892.0	892.2
12°	888.7	889.3	889.7
13°	885.8	886.5	887.0
14°	882.8	883.5	884.0
15°	879.4	880.5	881.1
16°	875.9	876.8	877.9
17°	872.0	873.6	874.1
18°	868.0	869.6	870.3
19°	863.6	865.7	866.2
20°	859.0	861.2	862.1
21°	854.1	856.6	857.5
22°	849.2	851.8	852.8
23°	843.9	846.9	847.9
24°	838.2	841.6	842.9
25°	832.6	836.1	837.6
26°	826.5	830.3	831.9
27°	820.3	824.3	826.1
28°	813.7	818.1	819.8
29°	807.1	811.5	813.4
30°	800.0	804.8	806.7
31°	792.6	797.8	799.5
32°	785.1	790.5	792.4
33°	777.2	782.9	785.0
34°	769.2	775.1	777.5
35°	761.5	767.1	769.6
36°	753.8	759.4	761.5
37°	745.8	751.9	753.6
38°	736.9	744.0	745.7
39°	727.5	734.7	737.3
40°	717.8	725.2	727.9
41°	708.0	715.3	718.4
42°	697.8	705.3	708.4
43°	687.2	695.1	698.1
44°	676.4	684.6	687.4



TEST NUMBER: P973033

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

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	665.4	673.6	676.6
46°	654.1	662.6	665.7
47°	642.2	651.0	654.0
48°	630.4	639.4	642.6
49°	618.2	627.3	630.7
50°	605.9	615.0	618.5
51°	593.2	602.4	605.8
52°	580.3	589.7	593.0
53°	567.0	576.6	580.0
54°	553.7	563.2	566.7
55°	540.0	549.5	553.0
56°	526.0	535.7	539.1
57°	511.9	521.4	524.9
58°	497.5	507.0	510.5
59°	482.9	492.2	495.8
60°	468.2	477.3	480.9
61°	453.2	462.4	465.6
62°	438.0	447.1	450.2
63°	422.6	431.3	434.4
64°	407.1	415.6	418.8
65°	391.4	399.6	403.0
66°	375.4	383.5	386.7
67°	359.8	367.4	370.9
68°	344.0	351.4	354.5
69°	327.9	335.4	338.1
70°	311.5	318.6	321.3
71°	295.1	301.9	304.4
72°	278.6	285.1	287.4
73°	262.0	268.1	270.3
74°	245.5	251.2	253.3
75°	228.9	234.2	236.1
76°	212.3	217.2	219.0
77°	195.9	200.3	201.9
78°	179.5	183.4	184.9
79°	163.1	166.7	168.1
80°	146.9	150.1	151.2
81°	130.9	133.5	134.2
82°	115.0	116.9	117.5
83°	99.3	100.5	100.9
84°	83.6	84.4	84.8
85°	68.4	68.6	68.7
86°	54.2	53.6	53.6
87°	40.9	39.4	39.1
88°	28.8	27.2	26.4
89°	17.9	16.5	15.5



TEST NUMBER: P973033
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-LOW-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: P973033
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-LOW-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: P973033
CATALOG NUMBER: 24CGRK-L3C3-UNV-MP4-LOW-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0

(END OF REPORT)