

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P973014

Luminaire Tested: 14CGRK-L3C3-UNV-MP4-LOW-4000K

Issue Date: 3/12/2025

Test Information

Test Method: LM-79-2019
Report Number: P973014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DLF2412105-1a)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGRK-L3C3-UNV-MP4-LOW-4000K
Description: 1x4 CGRK Backlit Panel Retrofit Kit at, LOW lumen, 4000K CCT settings
Light Source: -
Ballast/Driver: -

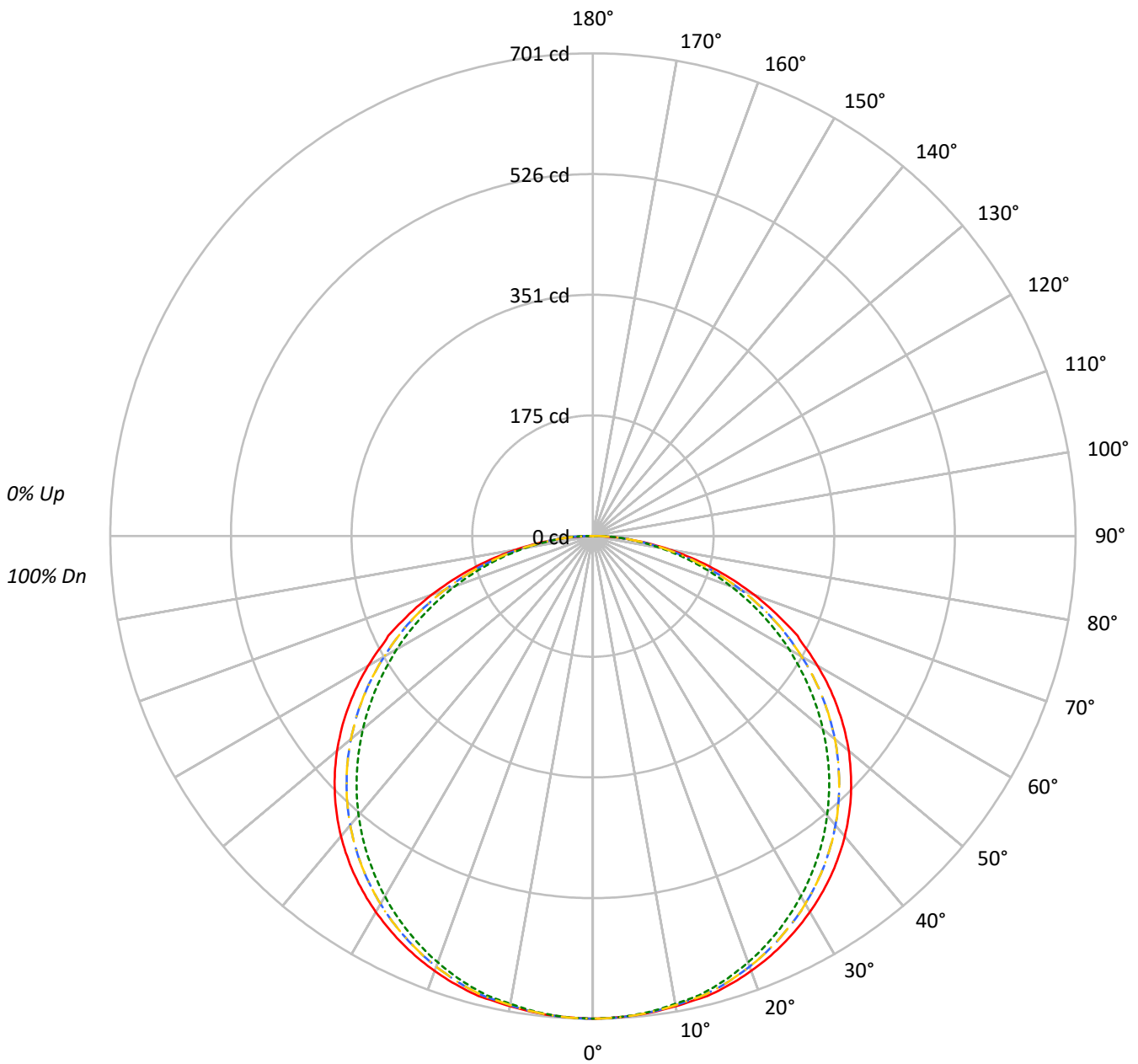
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2200.0 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.43
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 15
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: P973014
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P973014

CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

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	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	85	85	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	70	70	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	59	59	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	50	50	50	48
5	75	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	39	51	44	38	49	43	38	38	38	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	34	34	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	30	30	30	28
9	55	42	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	30	25	36	29	25	35	29	24	24	24	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2361	2361	2361	2361
5°	2363	2361	2363	2361
10°	2372	2360	2372	2360
15°	2393	2366	2393	2366
20°	2410	2362	2410	2362
25°	2429	2357	2429	2357
30°	2453	2350	2453	2350
35°	2478	2341	2478	2341
40°	2504	2328	2504	2328
45°	2526	2310	2526	2310
50°	2543	2286	2543	2286
55°	2548	2253	2548	2253
60°	2541	2220	2541	2220
65°	2525	2167	2525	2167
70°	2456	2101	2456	2101
75°	2351	2023	2351	2023
80°	2200	1933	2200	1933
85°	1941	1952	1941	1952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 89°
 Luminance: 3765 cd/sqm



TEST NUMBER: P973014

CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	3.0
10°-20°	192.6	8.8
20°-30°	296.9	13.5
30°-40°	366.4	16.7
40°-50°	390.8	17.8
50°-60°	364.2	16.6
60°-70°	289.0	13.1
70°-80°	176.8	8.0
80°-90°	57.0	2.6
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°	555.9	25.3
0°-40°	922.3	41.9
0°-60°	1677.2	76.2
0°-90°	2200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2200.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	701	701	701	701	701	
5°	699	698	699	698	699	67
15°	686	678	686	678	686	194
25°	653	634	653	634	653	302
35°	602	569	602	569	602	377
45°	530	485	530	485	530	409
55°	434	384	434	384	434	387
65°	317	272	317	272	317	312
75°	181	155	181	155	181	191
85°	50	50	50	50	50	54
90°	0	0	0	0	0	3
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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CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
1°	700.5	700.8	700.7	700.8	700.5	700.7	700.5	700.7	700.5	700.8	700.7
2°	700.2	700.6	700.5	700.5	700.2	700.3	700.2	700.3	700.2	700.5	700.5
3°	699.8	700.2	700.1	700.0	699.7	699.9	699.7	699.9	699.7	700.0	700.1
4°	699.4	699.6	699.5	699.3	699.1	699.1	698.9	699.1	699.1	699.3	699.5
5°	698.7	698.8	698.7	698.6	698.2	698.1	697.9	698.1	698.2	698.6	698.7
6°	697.9	698.0	697.8	697.6	697.1	696.9	696.8	696.9	697.1	697.6	697.8
7°	696.9	697.0	696.7	696.3	695.8	695.5	695.2	695.5	695.8	696.3	696.7
8°	695.9	695.7	695.4	694.8	694.3	693.9	693.6	693.9	694.3	694.8	695.4
9°	694.5	694.5	693.9	693.5	692.7	692.1	691.8	692.1	692.7	693.5	693.9
10°	693.3	693.0	692.3	691.6	690.9	690.2	689.7	690.2	690.9	691.6	692.3
11°	691.8	691.4	690.6	690.0	689.2	688.4	688.0	688.4	689.2	690.0	690.6
12°	690.4	690.3	689.4	688.4	687.5	686.5	686.4	686.5	687.5	688.4	689.4
13°	689.3	689.3	688.3	687.0	685.7	684.5	684.4	684.5	685.7	687.0	688.3
14°	688.2	687.8	686.4	684.9	683.4	682.1	681.3	682.1	683.4	684.9	686.4
15°	686.0	685.4	683.9	682.1	680.3	679.0	678.3	679.0	680.3	682.1	683.9
16°	683.5	682.8	681.3	679.2	677.2	675.6	674.8	675.6	677.2	679.2	681.3
17°	680.9	680.1	678.3	676.1	673.8	672.0	671.2	672.0	673.8	676.1	678.3
18°	678.2	677.2	675.3	672.7	670.2	668.2	667.2	668.2	670.2	672.7	675.3
19°	675.2	674.2	672.0	669.2	666.3	664.2	663.1	664.2	666.3	669.2	672.0
20°	672.0	671.0	668.6	665.4	662.3	659.9	658.8	659.9	662.3	665.4	668.6
21°	668.7	667.5	664.9	661.5	658.2	655.6	654.4	655.6	658.2	661.5	664.9
22°	665.3	664.0	661.1	657.5	653.6	650.8	649.7	650.8	653.6	657.5	661.1
23°	661.5	660.3	657.1	652.9	649.0	646.1	644.6	646.1	649.0	652.9	657.1
24°	657.7	656.3	652.9	648.3	644.1	640.9	639.5	640.9	644.1	648.3	652.9
25°	653.4	652.1	648.5	643.7	639.1	635.6	634.0	635.6	639.1	643.7	648.5
26°	649.2	647.7	644.0	638.6	633.8	630.0	628.6	630.0	633.8	638.6	644.0
27°	644.8	643.2	639.3	633.6	628.3	624.3	622.6	624.3	628.3	633.6	639.3
28°	640.1	638.6	634.3	628.2	622.6	618.3	616.9	618.3	622.6	628.2	634.3
29°	635.3	633.6	629.1	622.8	616.6	612.3	610.6	612.3	616.6	622.8	629.1
30°	630.4	628.6	623.7	616.9	610.6	605.9	604.1	605.9	610.6	616.9	623.7
31°	625.2	623.3	618.2	611.0	604.3	599.3	597.6	599.3	604.3	611.0	618.2
32°	619.8	617.7	612.4	604.8	597.8	592.7	590.8	592.7	597.8	604.8	612.4
33°	614.2	612.0	606.3	598.4	591.0	585.6	583.7	585.6	591.0	598.4	606.3
34°	608.4	606.1	600.1	592.0	584.2	578.4	576.5	578.4	584.2	592.0	600.1
35°	602.4	599.9	593.7	585.2	577.0	571.3	569.2	571.3	577.0	585.2	593.7
36°	596.3	593.6	587.1	578.2	569.7	563.6	561.7	563.6	569.7	578.2	587.1
37°	589.7	587.1	580.2	571.0	562.3	556.0	553.9	556.0	562.3	571.0	580.2
38°	583.1	580.4	573.2	563.6	554.5	548.2	546.0	548.2	554.5	563.6	573.2
39°	576.2	573.4	565.8	556.1	546.7	540.1	537.6	540.1	546.7	556.1	565.8
40°	569.2	566.2	558.2	548.2	538.6	531.8	529.3	531.8	538.6	548.2	558.2
41°	561.7	558.7	550.7	540.2	530.3	523.3	520.8	523.3	530.3	540.2	550.7
42°	554.1	551.0	542.6	531.9	521.8	514.6	512.0	514.6	521.8	531.9	542.6
43°	546.4	543.1	534.6	523.5	513.1	505.8	503.2	505.8	513.1	523.5	534.6
44°	538.4	535.0	526.2	515.0	504.3	496.7	494.0	496.7	504.3	515.0	526.2



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	530.0	526.7	517.5	506.0	495.2	487.5	484.8	487.5	495.2	506.0	517.5
46°	521.5	518.0	508.7	496.9	486.0	478.2	475.3	478.2	486.0	496.9	508.7
47°	512.7	509.2	499.7	487.7	476.5	468.5	465.7	468.5	476.5	487.7	499.7
48°	503.7	500.2	490.5	478.4	466.9	458.8	456.0	458.8	466.9	478.4	490.5
49°	494.4	490.7	480.9	468.6	457.1	449.0	445.9	449.0	457.1	468.6	480.9
50°	485.1	481.2	471.2	458.8	447.1	438.8	436.0	438.8	447.1	458.8	471.2
51°	475.2	471.4	461.5	448.8	437.0	428.8	425.9	428.8	437.0	448.8	461.5
52°	465.1	461.3	451.2	438.4	426.6	418.3	415.5	418.3	426.6	438.4	451.2
53°	454.9	451.1	440.9	428.1	416.2	408.0	404.8	408.0	416.2	428.1	440.9
54°	444.4	440.5	430.4	417.4	405.6	397.4	394.6	397.4	405.6	417.4	430.4
55°	433.8	429.9	419.7	406.7	394.8	386.6	383.5	386.6	394.8	406.7	419.7
56°	422.8	418.9	408.7	395.8	383.9	375.7	372.8	375.7	383.9	395.8	408.7
57°	411.8	407.8	397.7	384.6	372.9	364.8	361.8	364.8	372.9	384.6	397.7
58°	400.4	396.4	386.3	373.4	361.7	353.6	350.7	353.6	361.7	373.4	386.3
59°	388.7	384.8	374.7	361.9	350.3	342.5	339.6	342.5	350.3	361.9	374.7
60°	377.0	373.0	363.1	350.3	339.0	331.5	329.4	331.5	339.0	350.3	363.1
61°	364.8	360.9	351.0	338.6	327.8	320.3	317.9	320.3	327.8	338.6	351.0
62°	352.6	348.7	339.0	326.9	316.4	309.1	306.7	309.1	316.4	326.9	339.0
63°	340.2	336.4	326.5	315.4	304.9	297.7	295.2	297.7	304.9	315.4	326.5
64°	330.7	324.1	315.0	303.7	293.1	286.1	283.4	286.1	293.1	303.7	315.0
65°	316.7	311.8	303.0	291.4	281.1	274.3	271.8	274.3	281.1	291.4	303.0
66°	302.8	299.2	290.2	279.1	269.2	262.6	260.2	262.6	269.2	279.1	290.2
67°	289.6	286.2	277.5	266.8	257.1	250.7	248.5	250.7	257.1	266.8	277.5
68°	276.2	272.9	264.5	254.3	245.0	238.9	236.7	238.9	245.0	254.3	264.5
69°	262.8	259.6	251.5	241.7	232.8	227.1	225.0	227.1	232.8	241.7	251.5
70°	249.3	246.2	238.5	229.2	220.8	215.3	213.3	215.3	220.8	229.2	238.5
71°	235.5	232.7	225.4	216.5	208.6	203.5	201.7	203.5	208.6	216.5	225.4
72°	221.8	219.1	212.3	204.0	196.6	191.7	189.9	191.7	196.6	204.0	212.3
73°	208.1	205.7	199.1	191.5	184.5	180.0	178.4	180.0	184.5	191.5	199.1
74°	194.3	192.0	186.1	178.9	172.6	168.4	166.9	168.4	172.6	178.9	186.1
75°	180.6	178.4	173.0	166.4	160.6	156.8	155.4	156.8	160.6	166.4	173.0
76°	167.0	165.0	160.1	154.2	148.9	145.3	144.1	145.3	148.9	154.2	160.1
77°	153.3	151.7	147.2	141.9	137.1	133.9	132.7	133.9	137.1	141.9	147.2
78°	139.9	138.3	134.5	129.7	125.5	122.6	121.5	122.6	125.5	129.7	134.5
79°	126.6	125.3	122.0	117.8	114.0	111.5	110.6	111.5	114.0	117.8	122.0
80°	113.4	112.4	109.5	105.9	102.6	100.5	99.6	100.5	102.6	105.9	109.5
81°	100.3	99.5	97.3	94.3	91.6	89.7	89.2	89.7	91.6	94.3	97.3
82°	87.4	86.9	85.3	82.8	80.6	79.3	78.8	79.3	80.6	82.8	85.3
83°	74.7	74.3	73.2	71.5	69.8	68.9	68.5	68.9	69.8	71.5	73.2
84°	62.2	62.1	61.4	60.6	59.6	59.3	59.1	59.3	59.6	60.6	61.4
85°	50.2	50.3	50.0	50.0	50.1	50.5	50.5	50.5	50.1	50.0	50.0
86°	38.8	39.0	39.2	40.3	41.7	42.3	42.6	42.3	41.7	40.3	39.2
87°	27.9	28.3	29.6	31.7	33.8	34.8	35.1	34.8	33.8	31.7	29.6
88°	18.1	18.6	21.2	24.1	26.1	27.6	27.5	27.6	26.1	24.1	21.2
89°	8.7	10.3	13.2	16.2	18.1	19.5	18.5	19.5	18.1	16.2	13.2



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 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-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: P973014
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-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: P973014
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-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: P973014

CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
1°	700.8	700.5	700.8	700.7	700.8	700.5	700.7	700.5	700.7	700.5	700.8
2°	700.6	700.2	700.6	700.5	700.5	700.2	700.3	700.2	700.3	700.2	700.5
3°	700.2	699.8	700.2	700.1	700.0	699.7	699.9	699.7	699.9	699.7	700.0
4°	699.6	699.4	699.6	699.5	699.3	699.1	699.1	698.9	699.1	699.1	699.3
5°	698.8	698.7	698.8	698.7	698.6	698.2	698.1	697.9	698.1	698.2	698.6
6°	698.0	697.9	698.0	697.8	697.6	697.1	696.9	696.8	696.9	697.1	697.6
7°	697.0	696.9	697.0	696.7	696.3	695.8	695.5	695.2	695.5	695.8	696.3
8°	695.7	695.9	695.7	695.4	694.8	694.3	693.9	693.6	693.9	694.3	694.8
9°	694.5	694.5	694.5	693.9	693.5	692.7	692.1	691.8	692.1	692.7	693.5
10°	693.0	693.3	693.0	692.3	691.6	690.9	690.2	689.7	690.2	690.9	691.6
11°	691.4	691.8	691.4	690.6	690.0	689.2	688.4	688.0	688.4	689.2	690.0
12°	690.3	690.4	690.3	689.4	688.4	687.5	686.5	686.4	686.5	687.5	688.4
13°	689.3	689.3	689.3	688.3	687.0	685.7	684.5	684.4	684.5	685.7	687.0
14°	687.8	688.2	687.8	686.4	684.9	683.4	682.1	681.3	682.1	683.4	684.9
15°	685.4	686.0	685.4	683.9	682.1	680.3	679.0	678.3	679.0	680.3	682.1
16°	682.8	683.5	682.8	681.3	679.2	677.2	675.6	674.8	675.6	677.2	679.2
17°	680.1	680.9	680.1	678.3	676.1	673.8	672.0	671.2	672.0	673.8	676.1
18°	677.2	678.2	677.2	675.3	672.7	670.2	668.2	667.2	668.2	670.2	672.7
19°	674.2	675.2	674.2	672.0	669.2	666.3	664.2	663.1	664.2	666.3	669.2
20°	671.0	672.0	671.0	668.6	665.4	662.3	659.9	658.8	659.9	662.3	665.4
21°	667.5	668.7	667.5	664.9	661.5	658.2	655.6	654.4	655.6	658.2	661.5
22°	664.0	665.3	664.0	661.1	657.5	653.6	650.8	649.7	650.8	653.6	657.5
23°	660.3	661.5	660.3	657.1	652.9	649.0	646.1	644.6	646.1	649.0	652.9
24°	656.3	657.7	656.3	652.9	648.3	644.1	640.9	639.5	640.9	644.1	648.3
25°	652.1	653.4	652.1	648.5	643.7	639.1	635.6	634.0	635.6	639.1	643.7
26°	647.7	649.2	647.7	644.0	638.6	633.8	630.0	628.6	630.0	633.8	638.6
27°	643.2	644.8	643.2	639.3	633.6	628.3	624.3	622.6	624.3	628.3	633.6
28°	638.6	640.1	638.6	634.3	628.2	622.6	618.3	616.9	618.3	622.6	628.2
29°	633.6	635.3	633.6	629.1	622.8	616.6	612.3	610.6	612.3	616.6	622.8
30°	628.6	630.4	628.6	623.7	616.9	610.6	605.9	604.1	605.9	610.6	616.9
31°	623.3	625.2	623.3	618.2	611.0	604.3	599.3	597.6	599.3	604.3	611.0
32°	617.7	619.8	617.7	612.4	604.8	597.8	592.7	590.8	592.7	597.8	604.8
33°	612.0	614.2	612.0	606.3	598.4	591.0	585.6	583.7	585.6	591.0	598.4
34°	606.1	608.4	606.1	600.1	592.0	584.2	578.4	576.5	578.4	584.2	592.0
35°	599.9	602.4	599.9	593.7	585.2	577.0	571.3	569.2	571.3	577.0	585.2
36°	593.6	596.3	593.6	587.1	578.2	569.7	563.6	561.7	563.6	569.7	578.2
37°	587.1	589.7	587.1	580.2	571.0	562.3	556.0	553.9	556.0	562.3	571.0
38°	580.4	583.1	580.4	573.2	563.6	554.5	548.2	546.0	548.2	554.5	563.6
39°	573.4	576.2	573.4	565.8	556.1	546.7	540.1	537.6	540.1	546.7	556.1
40°	566.2	569.2	566.2	558.2	548.2	538.6	531.8	529.3	531.8	538.6	548.2
41°	558.7	561.7	558.7	550.7	540.2	530.3	523.3	520.8	523.3	530.3	540.2
42°	551.0	554.1	551.0	542.6	531.9	521.8	514.6	512.0	514.6	521.8	531.9
43°	543.1	546.4	543.1	534.6	523.5	513.1	505.8	503.2	505.8	513.1	523.5
44°	535.0	538.4	535.0	526.2	515.0	504.3	496.7	494.0	496.7	504.3	515.0



TEST NUMBER: P973014

CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	526.7	530.0	526.7	517.5	506.0	495.2	487.5	484.8	487.5	495.2	506.0
46°	518.0	521.5	518.0	508.7	496.9	486.0	478.2	475.3	478.2	486.0	496.9
47°	509.2	512.7	509.2	499.7	487.7	476.5	468.5	465.7	468.5	476.5	487.7
48°	500.2	503.7	500.2	490.5	478.4	466.9	458.8	456.0	458.8	466.9	478.4
49°	490.7	494.4	490.7	480.9	468.6	457.1	449.0	445.9	449.0	457.1	468.6
50°	481.2	485.1	481.2	471.2	458.8	447.1	438.8	436.0	438.8	447.1	458.8
51°	471.4	475.2	471.4	461.5	448.8	437.0	428.8	425.9	428.8	437.0	448.8
52°	461.3	465.1	461.3	451.2	438.4	426.6	418.3	415.5	418.3	426.6	438.4
53°	451.1	454.9	451.1	440.9	428.1	416.2	408.0	404.8	408.0	416.2	428.1
54°	440.5	444.4	440.5	430.4	417.4	405.6	397.4	394.6	397.4	405.6	417.4
55°	429.9	433.8	429.9	419.7	406.7	394.8	386.6	383.5	386.6	394.8	406.7
56°	418.9	422.8	418.9	408.7	395.8	383.9	375.7	372.8	375.7	383.9	395.8
57°	407.8	411.8	407.8	397.7	384.6	372.9	364.8	361.8	364.8	372.9	384.6
58°	396.4	400.4	396.4	386.3	373.4	361.7	353.6	350.7	353.6	361.7	373.4
59°	384.8	388.7	384.8	374.7	361.9	350.3	342.5	339.6	342.5	350.3	361.9
60°	373.0	377.0	373.0	363.1	350.3	339.0	331.5	329.4	331.5	339.0	350.3
61°	360.9	364.8	360.9	351.0	338.6	327.8	320.3	317.9	320.3	327.8	338.6
62°	348.7	352.6	348.7	339.0	326.9	316.4	309.1	306.7	309.1	316.4	326.9
63°	336.4	340.2	336.4	326.5	315.4	304.9	297.7	295.2	297.7	304.9	315.4
64°	324.1	330.7	324.1	315.0	303.7	293.1	286.1	283.4	286.1	293.1	303.7
65°	311.8	316.7	311.8	303.0	291.4	281.1	274.3	271.8	274.3	281.1	291.4
66°	299.2	302.8	299.2	290.2	279.1	269.2	262.6	260.2	262.6	269.2	279.1
67°	286.2	289.6	286.2	277.5	266.8	257.1	250.7	248.5	250.7	257.1	266.8
68°	272.9	276.2	272.9	264.5	254.3	245.0	238.9	236.7	238.9	245.0	254.3
69°	259.6	262.8	259.6	251.5	241.7	232.8	227.1	225.0	227.1	232.8	241.7
70°	246.2	249.3	246.2	238.5	229.2	220.8	215.3	213.3	215.3	220.8	229.2
71°	232.7	235.5	232.7	225.4	216.5	208.6	203.5	201.7	203.5	208.6	216.5
72°	219.1	221.8	219.1	212.3	204.0	196.6	191.7	189.9	191.7	196.6	204.0
73°	205.7	208.1	205.7	199.1	191.5	184.5	180.0	178.4	180.0	184.5	191.5
74°	192.0	194.3	192.0	186.1	178.9	172.6	168.4	166.9	168.4	172.6	178.9
75°	178.4	180.6	178.4	173.0	166.4	160.6	156.8	155.4	156.8	160.6	166.4
76°	165.0	167.0	165.0	160.1	154.2	148.9	145.3	144.1	145.3	148.9	154.2
77°	151.7	153.3	151.7	147.2	141.9	137.1	133.9	132.7	133.9	137.1	141.9
78°	138.3	139.9	138.3	134.5	129.7	125.5	122.6	121.5	122.6	125.5	129.7
79°	125.3	126.6	125.3	122.0	117.8	114.0	111.5	110.6	111.5	114.0	117.8
80°	112.4	113.4	112.4	109.5	105.9	102.6	100.5	99.6	100.5	102.6	105.9
81°	99.5	100.3	99.5	97.3	94.3	91.6	89.7	89.2	89.7	91.6	94.3
82°	86.9	87.4	86.9	85.3	82.8	80.6	79.3	78.8	79.3	80.6	82.8
83°	74.3	74.7	74.3	73.2	71.5	69.8	68.9	68.5	68.9	69.8	71.5
84°	62.1	62.2	62.1	61.4	60.6	59.6	59.3	59.1	59.3	59.6	60.6
85°	50.3	50.2	50.3	50.0	50.0	50.1	50.5	50.5	50.5	50.1	50.0
86°	39.0	38.8	39.0	39.2	40.3	41.7	42.3	42.6	42.3	41.7	40.3
87°	28.3	27.9	28.3	29.6	31.7	33.8	34.8	35.1	34.8	33.8	31.7
88°	18.6	18.1	18.6	21.2	24.1	26.1	27.6	27.5	27.6	26.1	24.1
89°	10.3	8.7	10.3	13.2	16.2	18.1	19.5	18.5	19.5	18.1	16.2



TEST NUMBER: P973014
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-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: P973014
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-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: P973014
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-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: P973014

CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	700.8	700.8	700.8
1°	700.7	700.8	700.5
2°	700.5	700.6	700.2
3°	700.1	700.2	699.8
4°	699.5	699.6	699.4
5°	698.7	698.8	698.7
6°	697.8	698.0	697.9
7°	696.7	697.0	696.9
8°	695.4	695.7	695.9
9°	693.9	694.5	694.5
10°	692.3	693.0	693.3
11°	690.6	691.4	691.8
12°	689.4	690.3	690.4
13°	688.3	689.3	689.3
14°	686.4	687.8	688.2
15°	683.9	685.4	686.0
16°	681.3	682.8	683.5
17°	678.3	680.1	680.9
18°	675.3	677.2	678.2
19°	672.0	674.2	675.2
20°	668.6	671.0	672.0
21°	664.9	667.5	668.7
22°	661.1	664.0	665.3
23°	657.1	660.3	661.5
24°	652.9	656.3	657.7
25°	648.5	652.1	653.4
26°	644.0	647.7	649.2
27°	639.3	643.2	644.8
28°	634.3	638.6	640.1
29°	629.1	633.6	635.3
30°	623.7	628.6	630.4
31°	618.2	623.3	625.2
32°	612.4	617.7	619.8
33°	606.3	612.0	614.2
34°	600.1	606.1	608.4
35°	593.7	599.9	602.4
36°	587.1	593.6	596.3
37°	580.2	587.1	589.7
38°	573.2	580.4	583.1
39°	565.8	573.4	576.2
40°	558.2	566.2	569.2
41°	550.7	558.7	561.7
42°	542.6	551.0	554.1
43°	534.6	543.1	546.4
44°	526.2	535.0	538.4



TEST NUMBER: P973014

CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	517.5	526.7	530.0
46°	508.7	518.0	521.5
47°	499.7	509.2	512.7
48°	490.5	500.2	503.7
49°	480.9	490.7	494.4
50°	471.2	481.2	485.1
51°	461.5	471.4	475.2
52°	451.2	461.3	465.1
53°	440.9	451.1	454.9
54°	430.4	440.5	444.4
55°	419.7	429.9	433.8
56°	408.7	418.9	422.8
57°	397.7	407.8	411.8
58°	386.3	396.4	400.4
59°	374.7	384.8	388.7
60°	363.1	373.0	377.0
61°	351.0	360.9	364.8
62°	339.0	348.7	352.6
63°	326.5	336.4	340.2
64°	315.0	324.1	330.7
65°	303.0	311.8	316.7
66°	290.2	299.2	302.8
67°	277.5	286.2	289.6
68°	264.5	272.9	276.2
69°	251.5	259.6	262.8
70°	238.5	246.2	249.3
71°	225.4	232.7	235.5
72°	212.3	219.1	221.8
73°	199.1	205.7	208.1
74°	186.1	192.0	194.3
75°	173.0	178.4	180.6
76°	160.1	165.0	167.0
77°	147.2	151.7	153.3
78°	134.5	138.3	139.9
79°	122.0	125.3	126.6
80°	109.5	112.4	113.4
81°	97.3	99.5	100.3
82°	85.3	86.9	87.4
83°	73.2	74.3	74.7
84°	61.4	62.1	62.2
85°	50.0	50.3	50.2
86°	39.2	39.0	38.8
87°	29.6	28.3	27.9
88°	21.2	18.6	18.1
89°	13.2	10.3	8.7



TEST NUMBER: P973014
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-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: P973014
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-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: P973014
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0



TEST NUMBER: P973014
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-LOW-4000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.65	17.33	16.01	17.64	17.95	14.93	16.61	15.30	16.93	17.24
	3H	17.68	19.20	18.05	19.53	19.89	16.85	18.37	17.23	18.70	19.06
	4H	18.46	19.90	18.86	20.25	20.62	17.60	19.04	18.00	19.39	19.76
	6H	19.07	20.41	19.48	20.77	21.16	18.20	19.54	18.61	19.90	20.29
	8H	19.27	20.55	19.70	20.94	21.34	18.42	19.70	18.84	20.09	20.48
	12H	19.37	20.60	19.80	20.98	21.41	18.54	19.77	18.97	20.15	20.57
4H	2H	16.25	17.69	16.65	18.04	18.41	15.70	17.14	16.10	17.49	17.86
	3H	18.51	19.73	18.92	20.12	20.52	17.83	19.04	18.24	19.44	19.84
	4H	19.44	20.54	19.87	20.95	21.39	18.71	19.82	19.14	20.23	20.66
	6H	20.19	21.16	20.65	21.60	22.05	19.44	20.41	19.90	20.85	21.30
	8H	20.46	21.37	20.92	21.81	22.27	19.72	20.62	20.17	21.06	21.53
	12H	20.63	21.45	21.11	21.92	22.39	19.91	20.73	20.39	21.20	21.67
8H	4H	19.76	20.66	20.22	21.10	21.57	19.12	20.03	19.58	20.47	20.94
	6H	20.65	21.41	21.14	21.89	22.37	20.00	20.75	20.49	21.24	21.71
	8H	21.01	21.69	21.51	22.19	22.67	20.35	21.03	20.86	21.54	22.02
	12H	21.27	21.87	21.77	22.36	22.92	20.65	21.25	21.16	21.74	22.30
12H	4H	19.80	20.62	20.28	21.09	21.56	19.19	20.00	19.66	20.48	20.95
	6H	20.72	21.40	21.22	21.90	22.39	20.09	20.77	20.60	21.28	21.76
	8H	21.14	21.74	21.64	22.23	22.79	20.52	21.12	21.02	21.61	22.17