

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: P973016

Luminaire Tested: 14CGRK-L3C3-UNV-MP4-MID-3500K

Issue Date: 3/12/2025

Test Information

Test Method: LM-79-2019
Report Number: P973016
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-MID-3500K
Description: 1x4 CGRK Backlit Panel Retrofit Kit at, MID lumen, 3500K CCT settings
Light Source: -
Ballast/Driver: -

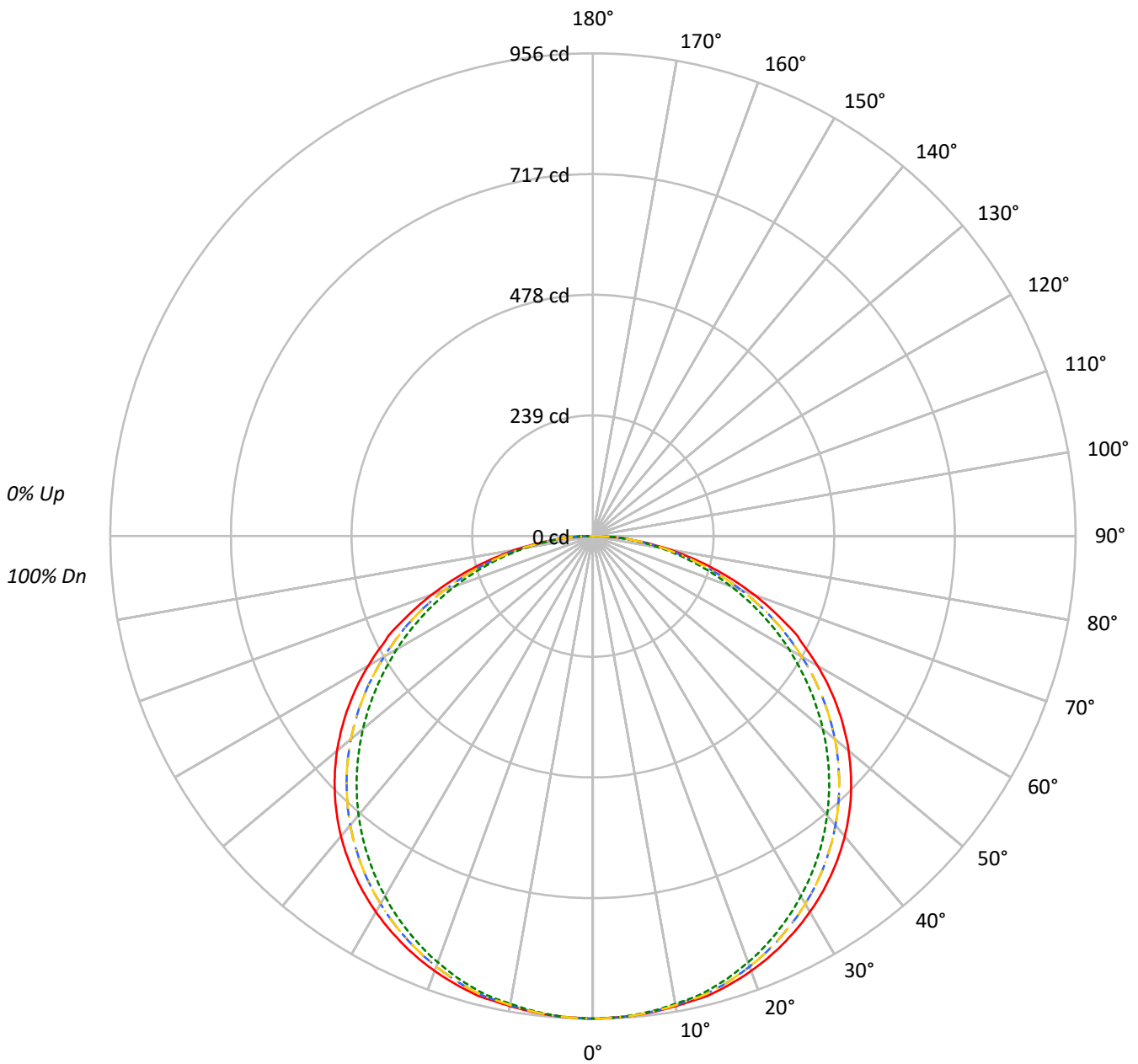
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3000.0 lumens
Efficiency: N/A
Efficacy: 140.2 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): 21.4
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				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°	3220	3220	3220	3220
5°	3223	3219	3223	3219
10°	3235	3218	3235	3218
15°	3263	3226	3263	3226
20°	3286	3222	3286	3222
25°	3313	3214	3313	3214
30°	3345	3205	3345	3205
35°	3379	3193	3379	3193
40°	3414	3175	3414	3175
45°	3444	3150	3444	3150
50°	3467	3116	3467	3116
55°	3475	3072	3475	3072
60°	3464	3027	3464	3027
65°	3444	2956	3444	2956
70°	3349	2866	3349	2866
75°	3205	2759	3205	2759
80°	3000	2635	3000	2635
85°	2648	2660	2648	2660

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 89°
 Luminance: 5116 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	3.0
10°-20°	262.6	8.8
20°-30°	404.9	13.5
30°-40°	499.6	16.7
40°-50°	532.9	17.8
50°-60°	496.6	16.6
60°-70°	394.1	13.1
70°-80°	241.0	8.0
80°-90°	77.7	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°	758.1	25.3
0°-40°	1257.7	41.9
0°-60°	2287.2	76.2
0°-90°	3000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3000.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	956	956	956	956	956	
5°	953	952	953	952	953	91
15°	935	925	935	925	935	264
25°	891	864	891	864	891	411
35°	821	776	821	776	821	514
45°	723	661	723	661	723	557
55°	592	523	592	523	592	528
65°	432	371	432	371	432	425
75°	246	212	246	212	246	260
85°	68	69	68	69	68	74
90°	0	0	0	0	0	4
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6
1°	955.3	955.7	955.5	955.6	955.3	955.5	955.2	955.5	955.3	955.6	955.5
2°	954.8	955.3	955.2	955.2	954.8	955.0	954.8	955.0	954.8	955.2	955.2
3°	954.3	954.8	954.6	954.5	954.2	954.4	954.1	954.4	954.2	954.5	954.6
4°	953.7	954.0	953.8	953.6	953.3	953.3	953.0	953.3	953.3	953.6	953.8
5°	952.8	952.9	952.8	952.6	952.1	951.9	951.7	951.9	952.1	952.6	952.8
6°	951.6	951.8	951.5	951.3	950.6	950.3	950.2	950.3	950.6	951.3	951.5
7°	950.3	950.5	950.1	949.6	948.8	948.4	948.0	948.4	948.8	949.6	950.1
8°	949.0	948.7	948.3	947.5	946.8	946.3	945.9	946.3	946.8	947.5	948.3
9°	947.0	947.0	946.3	945.7	944.6	943.8	943.4	943.8	944.6	945.7	946.3
10°	945.4	945.0	944.1	943.1	942.1	941.1	940.5	941.1	942.1	943.1	944.1
11°	943.4	942.9	941.7	940.9	939.9	938.7	938.2	938.7	939.9	940.9	941.7
12°	941.5	941.3	940.1	938.7	937.5	936.2	935.9	936.2	937.5	938.7	940.1
13°	940.0	939.9	938.6	936.8	935.0	933.4	933.2	933.4	935.0	936.8	938.6
14°	938.4	937.9	935.9	933.9	932.0	930.1	929.1	930.1	932.0	933.9	935.9
15°	935.4	934.6	932.6	930.2	927.7	925.9	924.9	925.9	927.7	930.2	932.6
16°	932.1	931.1	929.0	926.2	923.5	921.3	920.1	921.3	923.5	926.2	929.0
17°	928.5	927.5	925.0	922.0	918.8	916.4	915.3	916.4	918.8	922.0	925.0
18°	924.8	923.5	920.8	917.3	913.9	911.2	909.9	911.2	913.9	917.3	920.8
19°	920.7	919.4	916.3	912.5	908.6	905.7	904.2	905.7	908.6	912.5	916.3
20°	916.3	915.0	911.7	907.4	903.2	899.9	898.4	899.9	903.2	907.4	911.7
21°	911.9	910.3	906.7	902.0	897.5	894.0	892.4	894.0	897.5	902.0	906.7
22°	907.2	905.4	901.4	896.5	891.3	887.5	885.9	887.5	891.3	896.5	901.4
23°	902.1	900.5	896.0	890.3	885.0	881.0	879.0	881.0	885.0	890.3	896.0
24°	896.8	895.0	890.3	884.1	878.3	873.9	872.1	873.9	878.3	884.1	890.3
25°	891.0	889.2	884.3	877.8	871.4	866.7	864.5	866.7	871.4	877.8	884.3
26°	885.3	883.2	878.1	870.9	864.3	859.1	857.1	859.1	864.3	870.9	878.1
27°	879.3	877.1	871.7	864.0	856.8	851.3	849.1	851.3	856.8	864.0	871.7
28°	872.9	870.9	865.0	856.6	849.1	843.1	841.2	843.1	849.1	856.6	865.0
29°	866.4	864.0	857.8	849.2	840.9	835.0	832.7	835.0	840.9	849.2	857.8
30°	859.6	857.1	850.5	841.3	832.7	826.3	823.8	826.3	832.7	841.3	850.5
31°	852.5	849.9	842.9	833.2	824.0	817.3	814.9	817.3	824.0	833.2	842.9
32°	845.2	842.4	835.1	824.8	815.1	808.2	805.6	808.2	815.1	824.8	835.1
33°	837.5	834.6	826.8	816.0	805.9	798.5	796.0	798.5	805.9	816.0	826.8
34°	829.7	826.5	818.3	807.2	796.6	788.8	786.2	788.8	796.6	807.2	818.3
35°	821.4	818.1	809.6	798.0	786.8	779.1	776.2	779.1	786.8	798.0	809.6
36°	813.1	809.5	800.5	788.4	776.9	768.6	766.0	768.6	776.9	788.4	800.5
37°	804.2	800.6	791.2	778.6	766.7	758.2	755.3	758.2	766.7	778.6	791.2
38°	795.2	791.4	781.6	768.6	756.1	747.6	744.5	747.6	756.1	768.6	781.6
39°	785.7	781.9	771.6	758.3	745.4	736.5	733.1	736.5	745.4	758.3	771.6
40°	776.2	772.1	761.2	747.5	734.4	725.1	721.8	725.1	734.4	747.5	761.2
41°	766.0	761.8	750.9	736.6	723.1	713.6	710.2	713.6	723.1	736.6	750.9
42°	755.6	751.4	739.9	725.3	711.6	701.7	698.2	701.7	711.6	725.3	739.9
43°	745.1	740.7	729.0	713.9	699.7	689.7	686.2	689.7	699.7	713.9	729.0
44°	734.2	729.5	717.6	702.2	687.6	677.3	673.6	677.3	687.6	702.2	717.6



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CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	722.8	718.2	705.7	690.0	675.3	664.8	661.1	664.8	675.3	690.0	705.7
46°	711.2	706.4	693.6	677.6	662.7	652.1	648.2	652.1	662.7	677.6	693.6
47°	699.1	694.3	681.4	665.1	649.8	638.8	635.0	638.8	649.8	665.1	681.4
48°	686.9	682.1	668.9	652.3	636.7	625.6	621.8	625.6	636.7	652.3	668.9
49°	674.2	669.2	655.8	639.0	623.3	612.2	608.0	612.2	623.3	639.0	655.8
50°	661.4	656.2	642.6	625.6	609.7	598.4	594.5	598.4	609.7	625.6	642.6
51°	648.0	642.9	629.3	612.0	595.9	584.7	580.7	584.7	595.9	612.0	629.3
52°	634.2	629.0	615.3	597.8	581.7	570.5	566.5	570.5	581.7	597.8	615.3
53°	620.3	615.1	601.3	583.8	567.6	556.3	552.1	556.3	567.6	583.8	601.3
54°	606.0	600.7	586.9	569.2	553.1	541.9	538.0	541.9	553.1	569.2	586.9
55°	591.6	586.2	572.3	554.6	538.4	527.2	523.0	527.2	538.4	554.6	572.3
56°	576.5	571.3	557.3	539.7	523.5	512.4	508.3	512.4	523.5	539.7	557.3
57°	561.5	556.1	542.3	524.5	508.4	497.5	493.4	497.5	508.4	524.5	542.3
58°	546.0	540.6	526.7	509.2	493.2	482.2	478.3	482.2	493.2	509.2	526.7
59°	530.1	524.7	511.0	493.5	477.7	467.0	463.1	467.0	477.7	493.5	511.0
60°	514.0	508.6	495.1	477.7	462.3	452.0	449.2	452.0	462.3	477.7	495.1
61°	497.5	492.1	478.7	461.7	447.0	436.8	433.6	436.8	447.0	461.7	478.7
62°	480.8	475.6	462.3	445.8	431.4	421.5	418.2	421.5	431.4	445.8	462.3
63°	463.9	458.7	445.2	430.1	415.8	406.0	402.5	406.0	415.8	430.1	445.2
64°	451.0	442.0	429.5	414.2	399.6	390.1	386.5	390.1	399.6	414.2	429.5
65°	431.9	425.2	413.2	397.4	383.3	374.1	370.7	374.1	383.3	397.4	413.2
66°	412.9	408.0	395.7	380.6	367.0	358.1	354.8	358.1	367.0	380.6	395.7
67°	394.9	390.2	378.4	363.8	350.7	341.9	338.9	341.9	350.7	363.8	378.4
68°	376.7	372.2	360.7	346.8	334.1	325.8	322.8	325.8	334.1	346.8	360.7
69°	358.3	354.0	343.0	329.6	317.5	309.7	306.9	309.7	317.5	329.6	343.0
70°	339.9	335.7	325.3	312.5	301.1	293.6	290.9	293.6	301.1	312.5	325.3
71°	321.1	317.3	307.4	295.3	284.5	277.5	275.0	277.5	284.5	295.3	307.4
72°	302.4	298.8	289.5	278.2	268.1	261.4	259.0	261.4	268.1	278.2	289.5
73°	283.7	280.4	271.5	261.1	251.6	245.4	243.2	245.4	251.6	261.1	271.5
74°	265.0	261.8	253.8	244.0	235.3	229.6	227.6	229.6	235.3	244.0	253.8
75°	246.2	243.3	235.9	227.0	219.0	213.8	211.9	213.8	219.0	227.0	235.9
76°	227.7	225.0	218.4	210.3	203.0	198.2	196.4	198.2	203.0	210.3	218.4
77°	209.0	206.8	200.8	193.5	186.9	182.6	180.9	182.6	186.9	193.5	200.8
78°	190.8	188.6	183.3	176.9	171.1	167.2	165.7	167.2	171.1	176.9	183.3
79°	172.7	170.9	166.3	160.6	155.4	152.0	150.8	152.0	155.4	160.6	166.3
80°	154.6	153.2	149.3	144.4	139.9	137.0	135.8	137.0	144.4	149.3	154.6
81°	136.8	135.7	132.7	128.6	124.8	122.4	121.6	122.4	128.6	132.7	136.8
82°	119.2	118.4	116.3	113.0	109.9	108.2	107.5	108.2	109.9	113.0	116.3
83°	101.9	101.3	99.9	97.4	95.2	94.0	93.4	94.0	95.2	97.4	99.9
84°	84.9	84.7	83.8	82.7	81.3	80.8	80.6	80.8	81.3	82.7	83.8
85°	68.5	68.6	68.2	68.1	68.4	68.8	68.8	68.8	68.4	68.1	68.2
86°	52.9	53.1	53.5	55.0	56.8	57.7	58.0	57.7	56.8	55.0	53.5
87°	38.0	38.6	40.3	43.2	46.1	47.5	47.9	47.5	46.1	43.2	40.3
88°	24.6	25.4	28.9	32.9	35.6	37.6	37.5	37.6	35.6	32.9	28.9
89°	11.9	14.1	17.9	22.2	24.6	26.5	25.2	26.5	24.6	22.2	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: P973016
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

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: P973016
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

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: P973016
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6
1°	955.7	955.3	955.7	955.5	955.6	955.3	955.5	955.2	955.5	955.3	955.6
2°	955.3	954.8	955.3	955.2	955.2	954.8	955.0	954.8	955.0	954.8	955.2
3°	954.8	954.3	954.8	954.6	954.5	954.2	954.4	954.1	954.4	954.2	954.5
4°	954.0	953.7	954.0	953.8	953.6	953.3	953.3	953.0	953.3	953.3	953.6
5°	952.9	952.8	952.9	952.8	952.6	952.1	951.9	951.7	951.9	952.1	952.6
6°	951.8	951.6	951.8	951.5	951.3	950.6	950.3	950.2	950.3	950.6	951.3
7°	950.5	950.3	950.5	950.1	949.6	948.8	948.4	948.0	948.4	948.8	949.6
8°	948.7	949.0	948.7	948.3	947.5	946.8	946.3	945.9	946.3	946.8	947.5
9°	947.0	947.0	947.0	946.3	945.7	944.6	943.8	943.4	943.8	944.6	945.7
10°	945.0	945.4	945.0	944.1	943.1	942.1	941.1	940.5	941.1	942.1	943.1
11°	942.9	943.4	942.9	941.7	940.9	939.9	938.7	938.2	938.7	939.9	940.9
12°	941.3	941.5	941.3	940.1	938.7	937.5	936.2	935.9	936.2	937.5	938.7
13°	939.9	940.0	939.9	938.6	936.8	935.0	933.4	933.2	933.4	935.0	936.8
14°	937.9	938.4	937.9	935.9	933.9	932.0	930.1	929.1	930.1	932.0	933.9
15°	934.6	935.4	934.6	932.6	930.2	927.7	925.9	924.9	925.9	927.7	930.2
16°	931.1	932.1	931.1	929.0	926.2	923.5	921.3	920.1	921.3	923.5	926.2
17°	927.5	928.5	927.5	925.0	922.0	918.8	916.4	915.3	916.4	918.8	922.0
18°	923.5	924.8	923.5	920.8	917.3	913.9	911.2	909.9	911.2	913.9	917.3
19°	919.4	920.7	919.4	916.3	912.5	908.6	905.7	904.2	905.7	908.6	912.5
20°	915.0	916.3	915.0	911.7	907.4	903.2	899.9	898.4	899.9	903.2	907.4
21°	910.3	911.9	910.3	906.7	902.0	897.5	894.0	892.4	894.0	897.5	902.0
22°	905.4	907.2	905.4	901.4	896.5	891.3	887.5	885.9	887.5	891.3	896.5
23°	900.5	902.1	900.5	896.0	890.3	885.0	881.0	879.0	881.0	885.0	890.3
24°	895.0	896.8	895.0	890.3	884.1	878.3	873.9	872.1	873.9	878.3	884.1
25°	889.2	891.0	889.2	884.3	877.8	871.4	866.7	864.5	866.7	871.4	877.8
26°	883.2	885.3	883.2	878.1	870.9	864.3	859.1	857.1	859.1	864.3	870.9
27°	877.1	879.3	877.1	871.7	864.0	856.8	851.3	849.1	851.3	856.8	864.0
28°	870.9	872.9	870.9	865.0	856.6	849.1	843.1	841.2	843.1	849.1	856.6
29°	864.0	866.4	864.0	857.8	849.2	840.9	835.0	832.7	835.0	840.9	849.2
30°	857.1	859.6	857.1	850.5	841.3	832.7	826.3	823.8	826.3	832.7	841.3
31°	849.9	852.5	849.9	842.9	833.2	824.0	817.3	814.9	817.3	824.0	833.2
32°	842.4	845.2	842.4	835.1	824.8	815.1	808.2	805.6	808.2	815.1	824.8
33°	834.6	837.5	834.6	826.8	816.0	805.9	798.5	796.0	798.5	805.9	816.0
34°	826.5	829.7	826.5	818.3	807.2	796.6	788.8	786.2	788.8	796.6	807.2
35°	818.1	821.4	818.1	809.6	798.0	786.8	779.1	776.2	779.1	786.8	798.0
36°	809.5	813.1	809.5	800.5	788.4	776.9	768.6	766.0	768.6	776.9	788.4
37°	800.6	804.2	800.6	791.2	778.6	766.7	758.2	755.3	758.2	766.7	778.6
38°	791.4	795.2	791.4	781.6	768.6	756.1	747.6	744.5	747.6	756.1	768.6
39°	781.9	785.7	781.9	771.6	758.3	745.4	736.5	733.1	736.5	745.4	758.3
40°	772.1	776.2	772.1	761.2	747.5	734.4	725.1	721.8	725.1	734.4	747.5
41°	761.8	766.0	761.8	750.9	736.6	723.1	713.6	710.2	713.6	723.1	736.6
42°	751.4	755.6	751.4	739.9	725.3	711.6	701.7	698.2	701.7	711.6	725.3
43°	740.7	745.1	740.7	729.0	713.9	699.7	689.7	686.2	689.7	699.7	713.9
44°	729.5	734.2	729.5	717.6	702.2	687.6	677.3	673.6	677.3	687.6	702.2



TEST NUMBER: P973016
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	718.2	722.8	718.2	705.7	690.0	675.3	664.8	661.1	664.8	675.3	690.0
46°	706.4	711.2	706.4	693.6	677.6	662.7	652.1	648.2	652.1	662.7	677.6
47°	694.3	699.1	694.3	681.4	665.1	649.8	638.8	635.0	638.8	649.8	665.1
48°	682.1	686.9	682.1	668.9	652.3	636.7	625.6	621.8	625.6	636.7	652.3
49°	669.2	674.2	669.2	655.8	639.0	623.3	612.2	608.0	612.2	623.3	639.0
50°	656.2	661.4	656.2	642.6	625.6	609.7	598.4	594.5	598.4	609.7	625.6
51°	642.9	648.0	642.9	629.3	612.0	595.9	584.7	580.7	584.7	595.9	612.0
52°	629.0	634.2	629.0	615.3	597.8	581.7	570.5	566.5	570.5	581.7	597.8
53°	615.1	620.3	615.1	601.3	583.8	567.6	556.3	552.1	556.3	567.6	583.8
54°	600.7	606.0	600.7	586.9	569.2	553.1	541.9	538.0	541.9	553.1	569.2
55°	586.2	591.6	586.2	572.3	554.6	538.4	527.2	523.0	527.2	538.4	554.6
56°	571.3	576.5	571.3	557.3	539.7	523.5	512.4	508.3	512.4	523.5	539.7
57°	556.1	561.5	556.1	542.3	524.5	508.4	497.5	493.4	497.5	508.4	524.5
58°	540.6	546.0	540.6	526.7	509.2	493.2	482.2	478.3	482.2	493.2	509.2
59°	524.7	530.1	524.7	511.0	493.5	477.7	467.0	463.1	467.0	477.7	493.5
60°	508.6	514.0	508.6	495.1	477.7	462.3	452.0	449.2	452.0	462.3	477.7
61°	492.1	497.5	492.1	478.7	461.7	447.0	436.8	433.6	436.8	447.0	461.7
62°	475.6	480.8	475.6	462.3	445.8	431.4	421.5	418.2	421.5	431.4	445.8
63°	458.7	463.9	458.7	445.2	430.1	415.8	406.0	402.5	406.0	415.8	430.1
64°	442.0	451.0	442.0	429.5	414.2	399.6	390.1	386.5	390.1	399.6	414.2
65°	425.2	431.9	425.2	413.2	397.4	383.3	374.1	370.7	374.1	383.3	397.4
66°	408.0	412.9	408.0	395.7	380.6	367.0	358.1	354.8	358.1	367.0	380.6
67°	390.2	394.9	390.2	378.4	363.8	350.7	341.9	338.9	341.9	350.7	363.8
68°	372.2	376.7	372.2	360.7	346.8	334.1	325.8	322.8	325.8	334.1	346.8
69°	354.0	358.3	354.0	343.0	329.6	317.5	309.7	306.9	309.7	317.5	329.6
70°	335.7	339.9	335.7	325.3	312.5	301.1	293.6	290.9	293.6	301.1	312.5
71°	317.3	321.1	317.3	307.4	295.3	284.5	277.5	275.0	277.5	284.5	295.3
72°	298.8	302.4	298.8	289.5	278.2	268.1	261.4	259.0	261.4	268.1	278.2
73°	280.4	283.7	280.4	271.5	261.1	251.6	245.4	243.2	245.4	251.6	261.1
74°	261.8	265.0	261.8	253.8	244.0	235.3	229.6	227.6	229.6	235.3	244.0
75°	243.3	246.2	243.3	235.9	227.0	219.0	213.8	211.9	213.8	219.0	227.0
76°	225.0	227.7	225.0	218.4	210.3	203.0	198.2	196.4	198.2	203.0	210.3
77°	206.8	209.0	206.8	200.8	193.5	186.9	182.6	180.9	182.6	186.9	193.5
78°	188.6	190.8	188.6	183.3	176.9	171.1	167.2	165.7	167.2	171.1	176.9
79°	170.9	172.7	170.9	166.3	160.6	155.4	152.0	150.8	152.0	155.4	160.6
80°	153.2	154.6	153.2	149.3	144.4	139.9	137.0	135.8	137.0	139.9	144.4
81°	135.7	136.8	135.7	132.7	128.6	124.8	122.4	121.6	122.4	124.8	128.6
82°	118.4	119.2	118.4	116.3	113.0	109.9	108.2	107.5	108.2	109.9	113.0
83°	101.3	101.9	101.3	99.9	97.4	95.2	94.0	93.4	94.0	95.2	97.4
84°	84.7	84.9	84.7	83.8	82.7	81.3	80.8	80.6	80.8	81.3	82.7
85°	68.6	68.5	68.6	68.2	68.1	68.4	68.8	68.8	68.8	68.4	68.1
86°	53.1	52.9	53.1	53.5	55.0	56.8	57.7	58.0	57.7	56.8	55.0
87°	38.6	38.0	38.6	40.3	43.2	46.1	47.5	47.9	47.5	46.1	43.2
88°	25.4	24.6	25.4	28.9	32.9	35.6	37.6	37.5	37.6	35.6	32.9
89°	14.1	11.9	14.1	17.9	22.2	24.6	26.5	25.2	26.5	24.6	22.2



TEST NUMBER: P973016
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

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: P973016
 CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

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: P973016
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

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: P973016

CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	955.6	955.6	955.6
1°	955.5	955.7	955.3
2°	955.2	955.3	954.8
3°	954.6	954.8	954.3
4°	953.8	954.0	953.7
5°	952.8	952.9	952.8
6°	951.5	951.8	951.6
7°	950.1	950.5	950.3
8°	948.3	948.7	949.0
9°	946.3	947.0	947.0
10°	944.1	945.0	945.4
11°	941.7	942.9	943.4
12°	940.1	941.3	941.5
13°	938.6	939.9	940.0
14°	935.9	937.9	938.4
15°	932.6	934.6	935.4
16°	929.0	931.1	932.1
17°	925.0	927.5	928.5
18°	920.8	923.5	924.8
19°	916.3	919.4	920.7
20°	911.7	915.0	916.3
21°	906.7	910.3	911.9
22°	901.4	905.4	907.2
23°	896.0	900.5	902.1
24°	890.3	895.0	896.8
25°	884.3	889.2	891.0
26°	878.1	883.2	885.3
27°	871.7	877.1	879.3
28°	865.0	870.9	872.9
29°	857.8	864.0	866.4
30°	850.5	857.1	859.6
31°	842.9	849.9	852.5
32°	835.1	842.4	845.2
33°	826.8	834.6	837.5
34°	818.3	826.5	829.7
35°	809.6	818.1	821.4
36°	800.5	809.5	813.1
37°	791.2	800.6	804.2
38°	781.6	791.4	795.2
39°	771.6	781.9	785.7
40°	761.2	772.1	776.2
41°	750.9	761.8	766.0
42°	739.9	751.4	755.6
43°	729.0	740.7	745.1
44°	717.6	729.5	734.2



TEST NUMBER: P973016

CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	705.7	718.2	722.8
46°	693.6	706.4	711.2
47°	681.4	694.3	699.1
48°	668.9	682.1	686.9
49°	655.8	669.2	674.2
50°	642.6	656.2	661.4
51°	629.3	642.9	648.0
52°	615.3	629.0	634.2
53°	601.3	615.1	620.3
54°	586.9	600.7	606.0
55°	572.3	586.2	591.6
56°	557.3	571.3	576.5
57°	542.3	556.1	561.5
58°	526.7	540.6	546.0
59°	511.0	524.7	530.1
60°	495.1	508.6	514.0
61°	478.7	492.1	497.5
62°	462.3	475.6	480.8
63°	445.2	458.7	463.9
64°	429.5	442.0	451.0
65°	413.2	425.2	431.9
66°	395.7	408.0	412.9
67°	378.4	390.2	394.9
68°	360.7	372.2	376.7
69°	343.0	354.0	358.3
70°	325.3	335.7	339.9
71°	307.4	317.3	321.1
72°	289.5	298.8	302.4
73°	271.5	280.4	283.7
74°	253.8	261.8	265.0
75°	235.9	243.3	246.2
76°	218.4	225.0	227.7
77°	200.8	206.8	209.0
78°	183.3	188.6	190.8
79°	166.3	170.9	172.7
80°	149.3	153.2	154.6
81°	132.7	135.7	136.8
82°	116.3	118.4	119.2
83°	99.9	101.3	101.9
84°	83.8	84.7	84.9
85°	68.2	68.6	68.5
86°	53.5	53.1	52.9
87°	40.3	38.6	38.0
88°	28.9	25.4	24.6
89°	17.9	14.1	11.9



TEST NUMBER: P973016
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

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: P973016
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

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: P973016
CATALOG NUMBER: 14CGRK-L3C3-UNV-MP4-MID-3500K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.0	0.0	0.0



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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	16.72	18.40	17.09	18.72	19.03	16.01	17.69	16.38	18.01	18.32
	3H	18.75	20.28	19.13	20.60	20.96	17.93	19.45	18.30	19.78	20.14
	4H	19.54	20.98	19.94	21.33	21.70	18.68	20.12	19.08	20.47	20.84
	6H	20.15	21.48	20.56	21.85	22.24	19.28	20.62	19.69	20.98	21.37
	8H	20.35	21.63	20.78	22.02	22.42	19.50	20.78	19.92	21.16	21.56
	12H	20.45	21.68	20.88	22.06	22.49	19.62	20.84	20.04	21.22	21.65
4H	2H	17.33	18.77	17.73	19.12	19.49	16.78	18.22	17.18	18.56	18.94
	3H	19.59	20.80	20.00	21.20	21.60	18.91	20.12	19.32	20.52	20.92
	4H	20.52	21.62	20.95	22.03	22.47	19.79	20.89	20.22	21.31	21.74
	6H	21.27	22.24	21.72	22.68	23.13	20.52	21.49	20.97	21.93	22.38
	8H	21.54	22.44	22.00	22.89	23.35	20.79	21.70	21.25	22.14	22.60
	12H	21.71	22.52	22.19	23.00	23.47	20.99	21.81	21.47	22.28	22.75
8H	4H	20.84	21.74	21.29	22.18	22.65	20.20	21.11	20.66	21.55	22.01
	6H	21.73	22.49	22.22	22.97	23.45	21.07	21.83	21.56	22.32	22.79
	8H	22.08	22.76	22.59	23.27	23.75	21.43	22.11	21.94	22.62	23.10
	12H	22.35	22.95	22.85	23.44	24.00	21.73	22.33	22.23	22.82	23.38
12H	4H	20.88	21.69	21.35	22.17	22.63	20.26	21.08	20.74	21.56	22.02
	6H	21.79	22.48	22.30	22.98	23.47	21.17	21.85	21.67	22.35	22.84
	8H	22.21	22.82	22.72	23.31	23.86	21.59	22.20	22.10	22.69	23.24