

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: HALO

Report Number: P971883

Luminaire Tested: RLWZDZC4-2700K

Issue Date: 2/18/2025

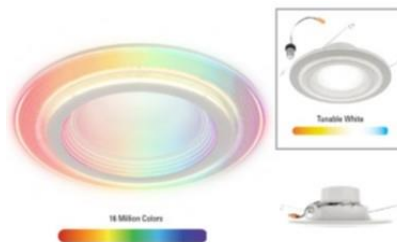
Test Information

Test Method: LM-79-2019
Report Number: P971883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2411280A001-main light)
Test Lab:
Issue Date: 2/18/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: RLWZDZC4-2700K
Description: RLDZ4" Canless 700lm, WiZ RGBW, 120V, WH, with NIGHTLIGHT
Light Source: WiZ RGBW CONTROLLED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 725.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.34
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

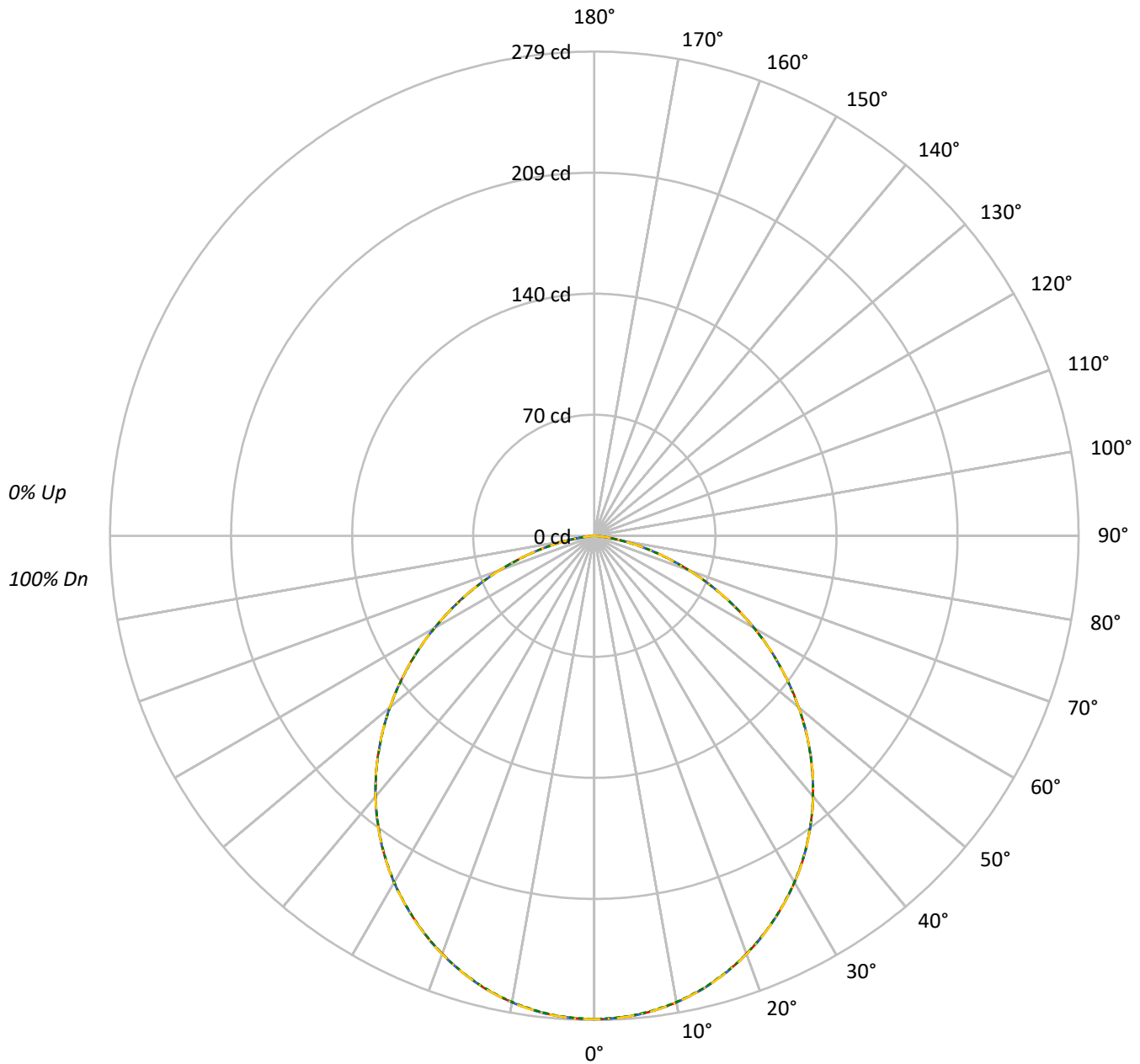
Input Watts (W): 8.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: RLWZDZC4-2700K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72		
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61		
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35062	35062	35062	35062
5°	35019	34994	35019	34994
10°	34887	34861	34887	34861
15°	34657	34631	34657	34631
20°	34325	34325	34325	34325
25°	33951	33923	33951	33923
30°	33525	33496	33525	33496
35°	32939	32924	32939	32924
40°	32216	32183	32216	32183
45°	31289	31235	31289	31235
50°	30112	30053	30112	30053
55°	28633	28567	28633	28567
60°	26781	26730	26781	26730
65°	24478	24389	24478	24389
70°	21378	21268	21378	21268
75°	17213	17164	17213	17164
80°	11813	11596	11813	11596
85°	5920	5776	5920	5776

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31289 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	3.6
10°-20°	75.0	10.3
20°-30°	112.7	15.5
30°-40°	134.1	18.5
40°-50°	135.4	18.7
50°-60°	116.5	16.1
60°-70°	81.2	11.2
70°-80°	37.9	5.2
80°-90°	6.0	0.8
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°	214.0	29.5
0°-40°	348.1	48.0
0°-60°	600.0	82.8
0°-90°	725.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	279	279	279	279	279	
5°	277	277	277	277	277	26
15°	266	266	266	266	266	75
25°	244	244	244	244	244	113
35°	214	214	214	214	214	134
45°	176	176	176	176	176	135
55°	130	130	130	130	130	117
65°	82	82	82	82	82	81
75°	35	35	35	35	35	38
85°	4	4	4	4	4	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	278.6	278.6	278.6	278.6	278.6	278.6	278.6	278.6	278.6	278.6	278.6
0.5°	278.6	278.6	278.6	278.7	278.3	278.7	278.6	278.6	278.6	278.6	278.6
1°	278.5	278.5	278.6	278.7	278.3	278.7	278.6	278.5	278.5	278.5	278.6
1.5°	278.4	278.4	278.5	278.6	278.2	278.6	278.5	278.4	278.4	278.4	278.5
2°	278.3	278.3	278.4	278.5	278.1	278.5	278.4	278.3	278.3	278.3	278.4
2.5°	278.2	278.2	278.3	278.4	278.0	278.4	278.3	278.2	278.2	278.2	278.3
3°	278.0	278.1	278.2	278.2	277.8	278.2	278.2	278.1	278.0	278.1	278.2
3.5°	277.9	277.9	278.0	278.0	277.6	278.0	278.0	277.9	277.9	277.9	278.0
4°	277.7	277.6	277.8	277.8	277.5	277.8	277.8	277.6	277.7	277.6	277.8
4.5°	277.5	277.5	277.5	277.6	277.3	277.6	277.5	277.5	277.5	277.5	277.5
5°	277.2	277.2	277.3	277.4	277.0	277.4	277.3	277.2	277.2	277.2	277.3
5.5°	276.9	276.9	277.0	277.1	276.7	277.1	277.0	276.9	276.9	276.9	277.0
6°	276.6	276.6	276.7	276.8	276.3	276.8	276.7	276.6	276.6	276.6	276.7
6.5°	276.2	276.2	276.3	276.4	276.0	276.4	276.3	276.2	276.2	276.2	276.3
7°	275.9	275.9	275.9	276.0	275.6	276.0	275.9	275.9	275.9	275.9	275.9
7.5°	275.4	275.4	275.5	275.6	275.2	275.6	275.5	275.4	275.4	275.4	275.5
8°	275.0	275.0	275.1	275.1	274.7	275.1	275.1	275.0	275.0	275.0	275.1
8.5°	274.5	274.5	274.6	274.7	274.3	274.7	274.6	274.5	274.5	274.5	274.6
9°	274.0	274.0	274.1	274.2	273.8	274.2	274.1	274.0	274.0	274.0	274.1
9.5°	273.5	273.5	273.6	273.7	273.3	273.7	273.6	273.5	273.5	273.5	273.6
10°	273.0	273.0	273.1	273.2	272.8	273.2	273.1	273.0	273.0	273.0	273.1
10.5°	272.4	272.5	272.5	272.6	272.2	272.6	272.5	272.5	272.4	272.5	272.5
11°	271.8	271.8	271.9	272.0	271.6	272.0	271.9	271.8	271.8	271.8	271.9
11.5°	271.2	271.2	271.3	271.4	271.0	271.4	271.3	271.2	271.2	271.2	271.3
12°	270.5	270.5	270.6	270.7	270.3	270.7	270.6	270.5	270.5	270.5	270.6
12.5°	269.8	269.8	269.9	270.0	269.6	270.0	269.9	269.8	269.8	269.8	269.9
13°	269.1	269.1	269.2	269.3	269.0	269.3	269.2	269.1	269.1	269.1	269.2
13.5°	268.5	268.4	268.5	268.6	268.2	268.6	268.5	268.4	268.5	268.4	268.5
14°	267.7	267.7	267.7	267.8	267.5	267.8	267.7	267.7	267.7	267.7	267.7
14.5°	266.8	266.8	266.9	267.0	266.6	267.0	266.9	266.8	266.8	266.8	266.9
15°	266.0	266.0	266.1	266.2	265.8	266.2	266.1	266.0	266.0	266.0	266.1
15.5°	265.1	265.1	265.2	265.3	264.9	265.3	265.2	265.1	265.1	265.1	265.2
16°	264.3	264.3	264.4	264.5	264.1	264.5	264.4	264.3	264.3	264.3	264.4
16.5°	263.4	263.4	263.5	263.6	263.2	263.6	263.5	263.4	263.4	263.4	263.5
17°	262.5	262.4	262.5	262.6	262.3	262.6	262.5	262.4	262.5	262.4	262.5
17.5°	261.5	261.5	261.6	261.7	261.3	261.7	261.6	261.5	261.5	261.5	261.6
18°	260.5	260.5	260.6	260.7	260.4	260.7	260.6	260.5	260.5	260.5	260.6
18.5°	259.5	259.5	259.6	259.7	259.4	259.7	259.6	259.5	259.5	259.5	259.6
19°	258.5	258.5	258.6	258.7	258.3	258.7	258.6	258.5	258.5	258.5	258.6
19.5°	257.4	257.4	257.5	257.6	257.3	257.6	257.5	257.4	257.4	257.4	257.5
20°	256.3	256.3	256.5	256.6	256.3	256.6	256.5	256.3	256.3	256.3	256.5
20.5°	255.3	255.3	255.4	255.6	255.2	255.6	255.4	255.3	255.3	255.3	255.4
21°	254.2	254.2	254.3	254.4	254.0	254.4	254.3	254.2	254.2	254.2	254.3

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CATALOG NUMBER: RLWZDZC4-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	250.7	250.7	250.9	250.9	250.6	250.9	250.9	250.7	250.7	250.7	250.9
23°	249.5	249.5	249.6	249.7	249.4	249.7	249.6	249.5	249.5	249.5	249.6
23.5°	248.3	248.3	248.4	248.5	248.1	248.5	248.4	248.3	248.3	248.3	248.4
24°	247.1	247.1	247.2	247.3	247.0	247.3	247.2	247.1	247.1	247.1	247.2
24.5°	245.8	245.8	245.9	246.0	245.6	246.0	245.9	245.8	245.8	245.8	245.9
25°	244.5	244.5	244.6	244.7	244.3	244.7	244.6	244.5	244.5	244.5	244.6
25.5°	243.3	243.3	243.3	243.4	243.1	243.4	243.3	243.3	243.3	243.3	243.3
26°	241.9	241.9	242.0	242.1	241.7	242.1	242.0	241.9	241.9	241.9	242.0
26.5°	240.5	240.5	240.6	240.7	240.3	240.7	240.6	240.5	240.5	240.5	240.6
27°	239.2	239.2	239.3	239.3	239.1	239.3	239.3	239.2	239.2	239.2	239.3
27.5°	237.8	237.8	237.9	238.0	237.7	238.0	237.9	237.8	237.8	237.8	237.9
28°	236.4	236.4	236.5	236.5	236.2	236.5	236.5	236.4	236.4	236.4	236.5
28.5°	235.0	235.0	235.1	235.1	234.9	235.1	235.1	235.0	235.0	235.0	235.1
29°	233.6	233.6	233.7	233.7	233.4	233.7	233.7	233.6	233.6	233.6	233.7
29.5°	232.1	232.1	232.2	232.2	231.9	232.2	232.2	232.1	232.1	232.1	232.2
30°	230.7	230.7	230.8	230.8	230.5	230.8	230.8	230.7	230.7	230.7	230.8
30.5°	229.1	229.1	229.2	229.3	228.9	229.3	229.2	229.1	229.1	229.1	229.2
31°	227.6	227.6	227.6	227.7	227.4	227.7	227.6	227.6	227.6	227.6	227.6
31.5°	226.1	226.1	226.2	226.2	225.9	226.2	226.2	226.1	226.1	226.1	226.2
32°	224.5	224.5	224.5	224.6	224.3	224.6	224.5	224.5	224.5	224.5	224.5
32.5°	222.9	222.8	222.9	223.0	222.6	223.0	222.9	222.8	222.9	222.8	222.9
33°	221.3	221.3	221.3	221.4	221.1	221.4	221.3	221.3	221.3	221.3	221.3
33.5°	219.6	219.6	219.6	219.7	219.4	219.7	219.6	219.6	219.6	219.6	219.6
34°	218.0	217.9	218.0	218.1	217.7	218.1	218.0	217.9	218.0	217.9	218.0
34.5°	216.2	216.2	216.3	216.3	216.0	216.3	216.3	216.2	216.2	216.2	216.3
35°	214.4	214.4	214.5	214.6	214.3	214.6	214.5	214.4	214.4	214.4	214.5
35.5°	212.8	212.7	212.8	212.8	212.5	212.8	212.8	212.7	212.8	212.7	212.8
36°	210.9	210.9	211.0	211.0	210.7	211.0	211.0	210.9	210.9	210.9	211.0
36.5°	209.2	209.2	209.3	209.3	209.0	209.3	209.3	209.2	209.2	209.2	209.3
37°	207.3	207.3	207.4	207.5	207.2	207.5	207.4	207.3	207.3	207.3	207.4
37.5°	205.5	205.5	205.5	205.6	205.4	205.6	205.5	205.5	205.5	205.5	205.5
38°	203.7	203.6	203.8	203.8	203.5	203.8	203.8	203.6	203.7	203.6	203.8
38.5°	201.8	201.8	201.8	201.9	201.6	201.9	201.8	201.8	201.8	201.8	201.8
39°	200.0	199.9	200.0	200.0	199.8	200.0	200.0	199.9	200.0	199.9	200.0
39.5°	198.0	198.0	198.0	198.1	197.8	198.1	198.0	198.0	198.0	198.0	198.0
40°	196.1	196.1	196.2	196.2	195.9	196.2	196.2	196.1	196.1	196.1	196.2
40.5°	194.1	194.1	194.2	194.2	193.9	194.2	194.2	194.1	194.1	194.1	194.2
41°	192.2	192.2	192.3	192.3	192.0	192.3	192.3	192.2	192.2	192.2	192.3
41.5°	190.1	190.1	190.2	190.2	189.9	190.2	190.2	190.1	190.1	190.1	190.2
42°	188.2	188.2	188.2	188.3	188.0	188.3	188.2	188.2	188.2	188.2	188.2
42.5°	186.1	186.1	186.2	186.2	185.9	186.2	186.2	186.1	186.1	186.1	186.2
43°	184.2	184.1	184.2	184.2	183.9	184.2	184.2	184.1	184.2	184.1	184.2
43.5°	182.0	182.0	182.1	182.1	181.8	182.1	182.1	182.0	182.0	182.0	182.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	175.8	175.8	175.8	175.8	175.5	175.8	175.8	175.8	175.8	175.8	175.8
45.5°	173.6	173.6	173.6	173.6	173.3	173.6	173.6	173.6	173.6	173.6	173.6
46°	171.5	171.5	171.5	171.5	171.2	171.5	171.5	171.5	171.5	171.5	171.5
46.5°	169.3	169.3	169.3	169.3	169.1	169.3	169.3	169.3	169.3	169.3	169.3
47°	167.1	167.1	167.2	167.2	166.9	167.2	167.2	167.1	167.1	167.1	167.2
47.5°	164.9	164.9	164.9	164.9	164.6	164.9	164.9	164.9	164.9	164.9	164.9
48°	162.8	162.8	162.8	162.8	162.5	162.8	162.8	162.8	162.8	162.8	162.8
48.5°	160.5	160.5	160.5	160.5	160.2	160.5	160.5	160.5	160.5	160.5	160.5
49°	158.3	158.3	158.3	158.3	158.0	158.3	158.3	158.3	158.3	158.3	158.3
49.5°	156.0	156.0	156.0	156.0	155.7	156.0	156.0	156.0	156.0	156.0	156.0
50°	153.8	153.8	153.8	153.8	153.5	153.8	153.8	153.8	153.8	153.8	153.8
50.5°	151.4	151.4	151.4	151.4	151.1	151.4	151.4	151.4	151.4	151.4	151.4
51°	149.2	149.2	149.2	149.2	148.9	149.2	149.2	149.2	149.2	149.2	149.2
51.5°	146.8	146.8	146.9	146.8	146.6	146.8	146.9	146.8	146.8	146.8	146.9
52°	144.6	144.6	144.6	144.6	144.3	144.6	144.6	144.6	144.6	144.6	144.6
52.5°	142.2	142.2	142.2	142.2	141.9	142.2	142.2	142.2	142.2	142.2	142.2
53°	139.9	139.9	139.9	139.9	139.6	139.9	139.9	139.9	139.9	139.9	139.9
53.5°	137.6	137.6	137.6	137.6	137.3	137.6	137.6	137.6	137.6	137.6	137.6
54°	135.2	135.2	135.2	135.2	135.0	135.2	135.2	135.2	135.2	135.2	135.2
54.5°	132.9	132.9	132.9	132.9	132.6	132.8	132.9	132.9	132.9	132.9	132.9
55°	130.5	130.5	130.5	130.5	130.2	130.4	130.5	130.5	130.5	130.5	130.5
55.5°	128.1	128.1	128.1	128.1	127.9	128.1	128.1	128.1	128.1	128.1	128.1
56°	125.7	125.7	125.7	125.7	125.5	125.6	125.7	125.7	125.7	125.7	125.7
56.5°	123.3	123.4	123.3	123.3	123.1	123.3	123.3	123.4	123.3	123.4	123.3
57°	120.9	120.9	120.9	120.9	120.7	120.8	120.9	120.9	120.9	120.9	120.9
57.5°	118.5	118.5	118.5	118.5	118.3	118.4	118.5	118.5	118.5	118.5	118.5
58°	116.2	116.2	116.1	116.1	115.9	116.1	116.1	116.2	116.2	116.2	116.1
58.5°	113.7	113.7	113.7	113.6	113.4	113.6	113.7	113.7	113.7	113.7	113.7
59°	111.3	111.3	111.3	111.2	111.0	111.2	111.3	111.3	111.3	111.3	111.3
59.5°	108.8	108.8	108.8	108.7	108.6	108.7	108.8	108.8	108.8	108.8	108.8
60°	106.4	106.5	106.4	106.4	106.2	106.4	106.4	106.5	106.4	106.5	106.4
60.5°	104.0	104.0	103.9	103.9	103.8	103.9	103.9	104.0	104.0	104.0	103.9
61°	101.6	101.6	101.5	101.5	101.3	101.5	101.5	101.6	101.6	101.6	101.5
61.5°	99.2	99.2	99.1	99.1	98.9	99.1	99.1	99.2	99.2	99.2	99.1
62°	96.7	96.7	96.6	96.6	96.5	96.6	96.6	96.7	96.7	96.7	96.6
62.5°	94.3	94.3	94.3	94.2	94.0	94.2	94.3	94.3	94.3	94.3	94.3
63°	91.8	91.8	91.8	91.7	91.5	91.7	91.8	91.8	91.8	91.8	91.8
63.5°	89.4	89.4	89.4	89.3	89.2	89.3	89.4	89.4	89.4	89.4	89.4
64°	86.9	86.9	86.9	86.9	86.8	86.9	86.9	86.9	86.9	86.9	86.9
64.5°	84.6	84.5	84.5	84.5	84.3	84.5	84.5	84.5	84.6	84.5	84.5
65°	82.2	82.2	82.1	82.1	81.9	82.1	82.1	82.2	82.2	82.2	82.1
65.5°	79.7	79.7	79.7	79.6	79.4	79.6	79.7	79.7	79.7	79.7	79.7
66°	77.3	77.3	77.3	77.2	77.1	77.2	77.3	77.3	77.3	77.3	77.3

TEST NUMBER: P971883

CATALOG NUMBER: RLWZDZC4-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	70.0	70.0	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	69.9
68°	67.7	67.6	67.6	67.5	67.4	67.5	67.6	67.6	67.7	67.6	67.6
68.5°	65.3	65.3	65.2	65.2	65.0	65.2	65.2	65.3	65.3	65.3	65.2
69°	62.9	62.9	62.8	62.7	62.6	62.7	62.8	62.9	62.9	62.9	62.8
69.5°	60.5	60.5	60.4	60.4	60.2	60.4	60.4	60.5	60.5	60.5	60.4
70°	58.1	58.1	58.0	58.0	57.8	58.0	58.0	58.1	58.1	58.1	58.0
70.5°	55.8	55.8	55.7	55.6	55.5	55.6	55.7	55.8	55.8	55.8	55.7
71°	53.4	53.4	53.3	53.3	53.1	53.3	53.3	53.4	53.4	53.4	53.3
71.5°	51.1	51.1	51.0	51.0	50.8	51.0	51.0	51.1	51.1	51.1	51.0
72°	48.8	48.8	48.7	48.7	48.6	48.7	48.7	48.8	48.8	48.8	48.7
72.5°	46.5	46.5	46.4	46.4	46.2	46.4	46.4	46.5	46.5	46.5	46.4
73°	44.3	44.3	44.2	44.1	44.0	44.1	44.2	44.3	44.3	44.3	44.2
73.5°	42.0	42.0	41.9	41.8	41.7	41.8	41.9	42.0	42.0	42.0	41.9
74°	39.8	39.8	39.7	39.7	39.5	39.7	39.7	39.8	39.8	39.8	39.7
74.5°	37.6	37.6	37.5	37.4	37.4	37.4	37.5	37.6	37.6	37.6	37.5
75°	35.4	35.5	35.5	35.3	35.3	35.3	35.5	35.5	35.4	35.5	35.5
75.5°	33.3	33.3	33.3	33.1	33.1	33.1	33.3	33.3	33.3	33.3	33.3
76°	31.2	31.3	31.2	31.1	31.0	31.1	31.2	31.3	31.2	31.3	31.2
76.5°	29.3	29.2	29.1	29.0	28.9	29.0	29.1	29.2	29.3	29.2	29.1
77°	27.4	27.3	27.2	27.1	26.9	27.1	27.2	27.3	27.4	27.3	27.2
77.5°	25.4	25.3	25.2	25.1	25.0	25.1	25.2	25.3	25.4	25.3	25.2
78°	23.4	23.3	23.3	23.2	23.1	23.2	23.3	23.3	23.4	23.3	23.3
78.5°	21.5	21.5	21.4	21.3	21.2	21.3	21.4	21.5	21.5	21.5	21.4
79°	19.7	19.7	19.6	19.5	19.4	19.5	19.6	19.7	19.7	19.7	19.6
79.5°	18.0	18.0	17.9	17.8	17.7	17.8	17.9	18.0	18.0	18.0	17.9
80°	16.3	16.3	16.2	16.1	16.0	16.1	16.2	16.3	16.3	16.3	16.2
80.5°	14.8	14.8	14.7	14.6	14.5	14.6	14.7	14.8	14.8	14.8	14.7
81°	13.2	13.3	13.2	13.1	12.9	13.1	13.2	13.3	13.2	13.3	13.2
81.5°	11.8	11.8	11.7	11.6	11.4	11.6	11.7	11.8	11.8	11.8	11.7
82°	10.5	10.6	10.5	10.3	10.1	10.3	10.5	10.6	10.5	10.6	10.5
82.5°	9.2	9.3	9.2	9.1	8.9	9.1	9.2	9.3	9.2	9.3	9.2
83°	7.9	8.0	7.9	7.8	7.8	7.8	7.9	8.0	7.9	8.0	7.9
83.5°	6.7	6.9	6.8	6.7	6.7	6.7	6.8	6.9	6.7	6.9	6.8
84°	5.8	5.9	5.8	5.8	5.7	5.8	5.8	5.9	5.8	5.9	5.8
84.5°	4.9	5.0	4.9	4.8	4.7	4.8	4.9	5.0	4.9	5.0	4.9
85°	4.1	4.2	4.1	4.0	4.0	4.0	4.1	4.2	4.1	4.2	4.1
85.5°	3.4	3.4	3.5	3.4	3.3	3.4	3.5	3.4	3.4	3.4	3.5
86°	2.8	2.9	2.9	2.8	2.7	2.8	2.9	2.9	2.8	2.9	2.9
86.5°	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3
87°	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.4
88°	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0
88.5°	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.6



TEST NUMBER: P971883
CATALOG NUMBER: RLWZDZC4-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P971883

CATALOG NUMBER: RLWZDZC4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	278.6	278.6	278.6	278.6	278.6	278.6
0.5°	278.7	278.3	278.7	278.6	278.6	278.6
1°	278.7	278.3	278.7	278.6	278.5	278.5
1.5°	278.6	278.2	278.6	278.5	278.4	278.4
2°	278.5	278.1	278.5	278.4	278.3	278.3
2.5°	278.4	278.0	278.4	278.3	278.2	278.2
3°	278.2	277.8	278.2	278.2	278.1	278.0
3.5°	278.0	277.6	278.0	278.0	277.9	277.9
4°	277.8	277.5	277.8	277.8	277.6	277.7
4.5°	277.6	277.3	277.6	277.5	277.5	277.5
5°	277.4	277.0	277.4	277.3	277.2	277.2
5.5°	277.1	276.7	277.1	277.0	276.9	276.9
6°	276.8	276.3	276.8	276.7	276.6	276.6
6.5°	276.4	276.0	276.4	276.3	276.2	276.2
7°	276.0	275.6	276.0	275.9	275.9	275.9
7.5°	275.6	275.2	275.6	275.5	275.4	275.4
8°	275.1	274.7	275.1	275.1	275.0	275.0
8.5°	274.7	274.3	274.7	274.6	274.5	274.5
9°	274.2	273.8	274.2	274.1	274.0	274.0
9.5°	273.7	273.3	273.7	273.6	273.5	273.5
10°	273.2	272.8	273.2	273.1	273.0	273.0
10.5°	272.6	272.2	272.6	272.5	272.5	272.4
11°	272.0	271.6	272.0	271.9	271.8	271.8
11.5°	271.4	271.0	271.4	271.3	271.2	271.2
12°	270.7	270.3	270.7	270.6	270.5	270.5
12.5°	270.0	269.6	270.0	269.9	269.8	269.8
13°	269.3	269.0	269.3	269.2	269.1	269.1
13.5°	268.6	268.2	268.6	268.5	268.4	268.5
14°	267.8	267.5	267.8	267.7	267.7	267.7
14.5°	267.0	266.6	267.0	266.9	266.8	266.8
15°	266.2	265.8	266.2	266.1	266.0	266.0
15.5°	265.3	264.9	265.3	265.2	265.1	265.1
16°	264.5	264.1	264.5	264.4	264.3	264.3
16.5°	263.6	263.2	263.6	263.5	263.4	263.4
17°	262.6	262.3	262.6	262.5	262.4	262.5
17.5°	261.7	261.3	261.7	261.6	261.5	261.5
18°	260.7	260.4	260.7	260.6	260.5	260.5
18.5°	259.7	259.4	259.7	259.6	259.5	259.5
19°	258.7	258.3	258.7	258.6	258.5	258.5
19.5°	257.6	257.3	257.6	257.5	257.4	257.4
20°	256.6	256.3	256.6	256.5	256.3	256.3
20.5°	255.6	255.2	255.6	255.4	255.3	255.3
21°	254.4	254.0	254.4	254.3	254.2	254.2



TEST NUMBER: P971883

CATALOG NUMBER: RLWZDZC4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	250.9	250.6	250.9	250.9	250.7	250.7
23°	249.7	249.4	249.7	249.6	249.5	249.5
23.5°	248.5	248.1	248.5	248.4	248.3	248.3
24°	247.3	247.0	247.3	247.2	247.1	247.1
24.5°	246.0	245.6	246.0	245.9	245.8	245.8
25°	244.7	244.3	244.7	244.6	244.5	244.5
25.5°	243.4	243.1	243.4	243.3	243.3	243.3
26°	242.1	241.7	242.1	242.0	241.9	241.9
26.5°	240.7	240.3	240.7	240.6	240.5	240.5
27°	239.3	239.1	239.3	239.3	239.2	239.2
27.5°	238.0	237.7	238.0	237.9	237.8	237.8
28°	236.5	236.2	236.5	236.5	236.4	236.4
28.5°	235.1	234.9	235.1	235.1	235.0	235.0
29°	233.7	233.4	233.7	233.7	233.6	233.6
29.5°	232.2	231.9	232.2	232.2	232.1	232.1
30°	230.8	230.5	230.8	230.8	230.7	230.7
30.5°	229.3	228.9	229.3	229.2	229.1	229.1
31°	227.7	227.4	227.7	227.6	227.6	227.6
31.5°	226.2	225.9	226.2	226.2	226.1	226.1
32°	224.6	224.3	224.6	224.5	224.5	224.5
32.5°	223.0	222.6	223.0	222.9	222.8	222.9
33°	221.4	221.1	221.4	221.3	221.3	221.3
33.5°	219.7	219.4	219.7	219.6	219.6	219.6
34°	218.1	217.7	218.1	218.0	217.9	218.0
34.5°	216.3	216.0	216.3	216.3	216.2	216.2
35°	214.6	214.3	214.6	214.5	214.4	214.4
35.5°	212.8	212.5	212.8	212.8	212.7	212.8
36°	211.0	210.7	211.0	211.0	210.9	210.9
36.5°	209.3	209.0	209.3	209.3	209.2	209.2
37°	207.5	207.2	207.5	207.4	207.3	207.3
37.5°	205.6	205.4	205.6	205.5	205.5	205.5
38°	203.8	203.5	203.8	203.8	203.6	203.7
38.5°	201.9	201.6	201.9	201.8	201.8	201.8
39°	200.0	199.8	200.0	200.0	199.9	200.0
39.5°	198.1	197.8	198.1	198.0	198.0	198.0
40°	196.2	195.9	196.2	196.2	196.1	196.1
40.5°	194.2	193.9	194.2	194.2	194.1	194.1
41°	192.3	192.0	192.3	192.3	192.2	192.2
41.5°	190.2	189.9	190.2	190.2	190.1	190.1
42°	188.3	188.0	188.3	188.2	188.2	188.2
42.5°	186.2	185.9	186.2	186.2	186.1	186.1
43°	184.2	183.9	184.2	184.2	184.1	184.2
43.5°	182.1	181.8	182.1	182.1	182.0	182.0



TEST NUMBER: P971883

CATALOG NUMBER: RLWZDZC4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	175.8	175.5	175.8	175.8	175.8	175.8
45.5°	173.6	173.3	173.6	173.6	173.6	173.6
46°	171.5	171.2	171.5	171.5	171.5	171.5
46.5°	169.3	169.1	169.3	169.3	169.3	169.3
47°	167.2	166.9	167.2	167.2	167.1	167.1
47.5°	164.9	164.6	164.9	164.9	164.9	164.9
48°	162.8	162.5	162.8	162.8	162.8	162.8
48.5°	160.5	160.2	160.5	160.5	160.5	160.5
49°	158.3	158.0	158.3	158.3	158.3	158.3
49.5°	156.0	155.7	156.0	156.0	156.0	156.0
50°	153.8	153.5	153.8	153.8	153.8	153.8
50.5°	151.4	151.1	151.4	151.4	151.4	151.4
51°	149.2	148.9	149.2	149.2	149.2	149.2
51.5°	146.8	146.6	146.8	146.9	146.8	146.8
52°	144.6	144.3	144.6	144.6	144.6	144.6
52.5°	142.2	141.9	142.2	142.2	142.2	142.2
53°	139.9	139.6	139.9	139.9	139.9	139.9
53.5°	137.6	137.3	137.6	137.6	137.6	137.6
54°	135.2	135.0	135.2	135.2	135.2	135.2
54.5°	132.8	132.6	132.8	132.9	132.9	132.9
55°	130.4	130.2	130.4	130.5	130.5	130.5
55.5°	128.1	127.9	128.1	128.1	128.1	128.1
56°	125.6	125.5	125.6	125.7	125.7	125.7
56.5°	123.3	123.1	123.3	123.3	123.4	123.3
57°	120.8	120.7	120.8	120.9	120.9	120.9
57.5°	118.4	118.3	118.4	118.5	118.5	118.5
58°	116.1	115.9	116.1	116.1	116.2	116.2
58.5°	113.6	113.4	113.6	113.7	113.7	113.7
59°	111.2	111.0	111.2	111.3	111.3	111.3
59.5°	108.7	108.6	108.7	108.8	108.8	108.8
60°	106.4	106.2	106.4	106.4	106.5	106.4
60.5°	103.9	103.8	103.9	103.9	104.0	104.0
61°	101.5	101.3	101.5	101.5	101.6	101.6
61.5°	99.1	98.9	99.1	99.1	99.2	99.2
62°	96.6	96.5	96.6	96.6	96.7	96.7
62.5°	94.2	94.0	94.2	94.3	94.3	94.3
63°	91.7	91.5	91.7	91.8	91.8	91.8
63.5°	89.3	89.2	89.3	89.4	89.4	89.4
64°	86.9	86.8	86.9	86.9	86.9	86.9
64.5°	84.5	84.3	84.5	84.5	84.5	84.6
65°	82.1	81.9	82.1	82.1	82.2	82.2
65.5°	79.6	79.4	79.6	79.7	79.7	79.7
66°	77.2	77.1	77.2	77.3	77.3	77.3



TEST NUMBER: P971883

CATALOG NUMBER: RLWZDZC4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	69.9	69.9	69.9	69.9	70.0	70.0
68°	67.5	67.4	67.5	67.6	67.6	67.7
68.5°	65.2	65.0	65.2	65.2	65.3	65.3
69°	62.7	62.6	62.7	62.8	62.9	62.9
69.5°	60.4	60.2	60.4	60.4	60.5	60.5
70°	58.0	57.8	58.0	58.0	58.1	58.1
70.5°	55.6	55.5	55.6	55.7	55.8	55.8
71°	53.3	53.1	53.3	53.3	53.4	53.4
71.5°	51.0	50.8	51.0	51.0	51.1	51.1
72°	48.7	48.6	48.7	48.7	48.8	48.8
72.5°	46.4	46.2	46.4	46.4	46.5	46.5
73°	44.1	44.0	44.1	44.2	44.3	44.3
73.5°	41.8	41.7	41.8	41.9	42.0	42.0
74°	39.7	39.5	39.7	39.7	39.8	39.8
74.5°	37.4	37.4	37.4	37.5	37.6	37.6
75°	35.3	35.3	35.3	35.5	35.5	35.4
75.5°	33.1	33.1	33.1	33.3	33.3	33.3
76°	31.1	31.0	31.1	31.2	31.3	31.2
76.5°	29.0	28.9	29.0	29.1	29.2	29.3
77°	27.1	26.9	27.1	27.2	27.3	27.4
77.5°	25.1	25.0	25.1	25.2	25.3	25.4
78°	23.2	23.1	23.2	23.3	23.3	23.4
78.5°	21.3	21.2	21.3	21.4	21.5	21.5
79°	19.5	19.4	19.5	19.6	19.7	19.7
79.5°	17.8	17.7	17.8	17.9	18.0	18.0
80°	16.1	16.0	16.1	16.2	16.3	16.3
80.5°	14.6	14.5	14.6	14.7	14.8	14.8
81°	13.1	12.9	13.1	13.2	13.3	13.2
81.5°	11.6	11.4	11.6	11.7	11.8	11.8
82°	10.3	10.1	10.3	10.5	10.6	10.5
82.5°	9.1	8.9	9.1	9.2	9.3	9.2
83°	7.8	7.8	7.8	7.9	8.0	7.9
83.5°	6.7	6.7	6.7	6.8	6.9	6.7
84°	5.8	5.7	5.8	5.8	5.9	5.8
84.5°	4.8	4.7	4.8	4.9	5.0	4.9
85°	4.0	4.0	4.0	4.1	4.2	4.1
85.5°	3.4	3.3	3.4	3.5	3.4	3.4
86°	2.8	2.7	2.8	2.9	2.9	2.8
86.5°	2.3	2.2	2.3	2.3	2.3	2.3
87°	1.9	1.8	1.9	1.9	1.9	1.9
87.5°	1.4	1.4	1.4	1.4	1.5	1.5
88°	1.0	0.9	1.0	1.0	1.0	1.0
88.5°	0.6	0.6	0.6	0.6	0.7	0.6



TEST NUMBER: P971883

CATALOG NUMBER: RLWZDZC4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0



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







21.5°	253.0	253.0	253.1	253.2	252.9	253.2	253.1	253.0	253.0	253.0	253.1
22°	251.9	251.9	252.1	252.1	251.8	252.1	252.1	251.9	251.9	251.9	252.1



44°	180.0	180.0	180.0	180.0	179.8	180.0	180.0	180.0	180.0	180.0	180.0
44.5°	177.9	177.9	177.9	177.9	177.6	177.9	177.9	177.9	177.9	177.9	177.9



66.5°	74.8	74.9	74.8	74.7	74.6	74.7	74.8	74.9	74.8	74.9	74.8
67°	72.5	72.5	72.4	72.4	72.2	72.4	72.4	72.5	72.5	72.5	72.4



89°	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.4	0.4
89.5°	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2





21.5°	253.2	252.9	253.2	253.1	253.0	253.0
22°	252.1	251.8	252.1	252.1	251.9	251.9



44°	180.0	179.8	180.0	180.0	180.0	180.0
44.5°	177.9	177.6	177.9	177.9	177.9	177.9



66.5°	74.7	74.6	74.7	74.8	74.9	74.8
67°	72.4	72.2	72.4	72.4	72.5	72.5



89°	0.3	0.3	0.3	0.4	0.4	0.3
89.5°	0.1	0.1	0.1	0.2	0.2	0.1



(END OF REPORT)