

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: P971888

Luminaire Tested: RLWZDZC4-6500K

Issue Date: 2/18/2025

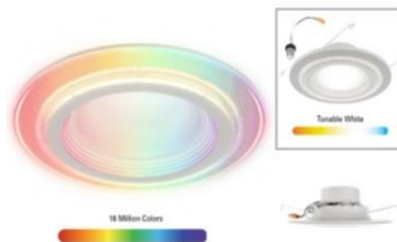
Test Information

Test Method: LM-79-2019
Report Number: P971888
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: RLWZDZC4-6500K
Description: RLDZ4" Canless 700lm, WiZ RGBW, 120V, WH, with NIGHTLIGHT
Light Source: WiZ RGBW CONTROLLED 90CRI / 6500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 755.0 lumens
Efficiency: N/A
Efficacy: 83.9 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

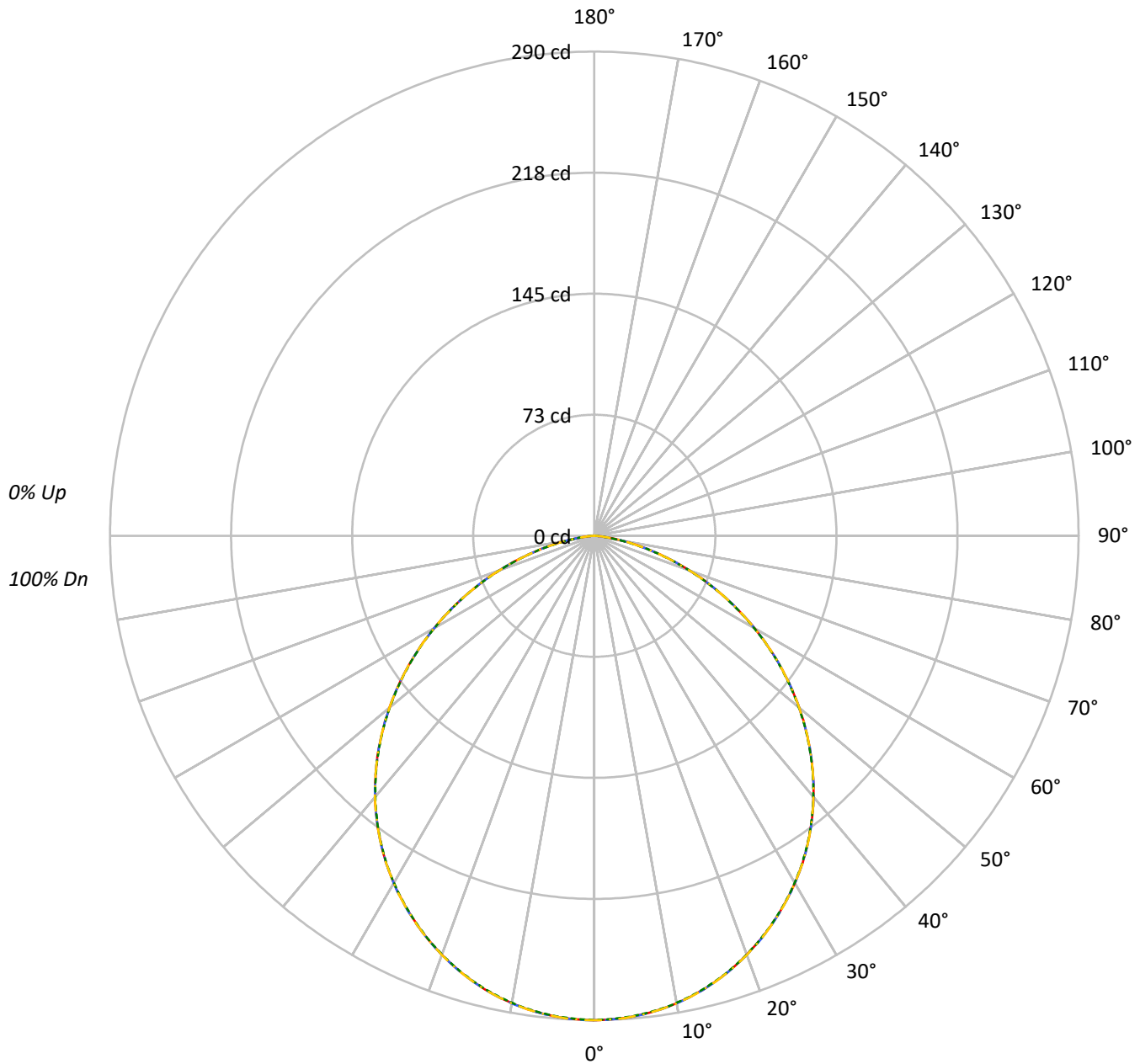
Input Watts (W): 9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: RLWZDZC4-6500K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	36522	36522	36522	36522
5°	36459	36434	36459	36434
10°	36331	36293	36331	36293
15°	36090	36064	36090	36064
20°	35758	35745	35758	35745
25°	35354	35326	35354	35326
30°	34906	34877	34906	34877
35°	34307	34291	34307	34291
40°	33547	33514	33547	33514
45°	32570	32517	32570	32517
50°	31346	31287	31346	31287
55°	29818	29752	29818	29752
60°	27888	27838	27888	27838
65°	25490	25401	25490	25401
70°	22262	22151	22262	22151
75°	17894	17845	17894	17845
80°	12321	12103	12321	12103
85°	6209	6065	6209	6065

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32570 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	3.6
10°-20°	78.1	10.3
20°-30°	117.3	15.5
30°-40°	139.6	18.5
40°-50°	141.0	18.7
50°-60°	121.3	16.1
60°-70°	84.5	11.2
70°-80°	39.4	5.2
80°-90°	6.3	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°	222.9	29.5
0°-40°	362.5	48.0
0°-60°	624.8	82.8
0°-90°	755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	755.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	290	290	290	290	290	
5°	289	288	289	288	289	27
15°	277	277	277	277	277	78
25°	255	254	255	254	255	117
35°	223	223	223	223	223	140
45°	183	183	183	183	183	141
55°	136	136	136	136	136	121
65°	86	85	86	85	86	85
75°	37	37	37	37	37	40
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°	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2	290.2
0.5°	290.2	290.2	290.2	290.3	289.8	290.3	290.2	290.2	290.2	290.2	290.2
1°	290.1	290.1	290.2	290.3	289.8	290.3	290.2	290.1	290.1	290.1	290.2
1.5°	289.9	289.9	290.1	290.2	289.7	290.2	290.1	289.9	289.9	289.9	290.1
2°	289.8	289.8	289.9	290.1	289.6	290.1	289.9	289.8	289.8	289.8	289.9
2.5°	289.7	289.7	289.8	289.9	289.5	289.9	289.8	289.7	289.7	289.7	289.8
3°	289.5	289.6	289.7	289.7	289.3	289.7	289.7	289.6	289.5	289.6	289.7
3.5°	289.4	289.4	289.5	289.5	289.1	289.5	289.5	289.4	289.4	289.4	289.5
4°	289.2	289.1	289.3	289.3	288.9	289.3	289.3	289.1	289.2	289.1	289.3
4.5°	288.9	288.9	289.0	289.1	288.7	289.1	289.0	288.9	288.9	288.9	289.0
5°	288.6	288.6	288.7	288.8	288.4	288.8	288.7	288.6	288.6	288.6	288.7
5.5°	288.3	288.3	288.4	288.5	288.1	288.5	288.4	288.3	288.3	288.3	288.4
6°	288.0	288.0	288.1	288.2	287.7	288.2	288.1	288.0	288.0	288.0	288.1
6.5°	287.6	287.6	287.7	287.8	287.4	287.8	287.7	287.6	287.6	287.6	287.7
7°	287.3	287.3	287.3	287.4	287.0	287.4	287.3	287.3	287.3	287.3	287.3
7.5°	286.8	286.8	286.9	287.0	286.6	287.0	286.9	286.8	286.8	286.8	286.9
8°	286.4	286.4	286.5	286.5	286.1	286.5	286.5	286.4	286.4	286.4	286.5
8.5°	285.9	285.9	286.0	286.1	285.7	286.1	286.0	285.9	285.9	285.9	286.0
9°	285.4	285.4	285.5	285.6	285.2	285.6	285.5	285.4	285.4	285.4	285.5
9.5°	284.9	284.9	285.0	285.1	284.7	285.1	285.0	284.9	284.9	284.9	285.0
10°	284.3	284.3	284.4	284.5	284.0	284.5	284.4	284.3	284.3	284.3	284.4
10.5°	283.6	283.7	283.7	283.8	283.4	283.8	283.7	283.7	283.6	283.7	283.7
11°	283.0	283.0	283.1	283.2	282.8	283.2	283.1	283.0	283.0	283.0	283.1
11.5°	282.4	282.4	282.5	282.6	282.2	282.6	282.5	282.4	282.4	282.4	282.5
12°	281.7	281.7	281.8	281.9	281.5	281.9	281.8	281.7	281.7	281.7	281.8
12.5°	281.0	281.0	281.1	281.2	280.8	281.2	281.1	281.0	281.0	281.0	281.1
13°	280.3	280.3	280.4	280.5	280.1	280.5	280.4	280.3	280.3	280.3	280.4
13.5°	279.6	279.5	279.6	279.7	279.3	279.7	279.6	279.5	279.6	279.5	279.6
14°	278.8	278.8	278.8	278.9	278.6	278.9	278.8	278.8	278.8	278.8	278.8
14.5°	277.8	277.8	277.9	278.0	277.6	278.0	277.9	277.8	277.8	277.8	277.9
15°	277.0	277.0	277.1	277.2	276.8	277.2	277.1	277.0	277.0	277.0	277.1
15.5°	276.1	276.1	276.2	276.3	275.9	276.3	276.2	276.1	276.1	276.1	276.2
16°	275.2	275.2	275.3	275.4	275.0	275.4	275.3	275.2	275.2	275.2	275.3
16.5°	274.3	274.3	274.4	274.5	274.1	274.5	274.4	274.3	274.3	274.3	274.4
17°	273.4	273.3	273.4	273.5	273.2	273.5	273.4	273.3	273.4	273.3	273.4
17.5°	272.3	272.3	272.4	272.6	272.1	272.6	272.4	272.3	272.3	272.3	272.4
18°	271.3	271.3	271.4	271.5	271.1	271.5	271.4	271.3	271.3	271.3	271.4
18.5°	270.2	270.2	270.3	270.4	270.1	270.4	270.3	270.2	270.2	270.2	270.3
19°	269.2	269.2	269.3	269.4	269.0	269.4	269.3	269.2	269.2	269.2	269.3
19.5°	268.1	268.1	268.2	268.3	268.0	268.3	268.2	268.1	268.1	268.1	268.2
20°	267.0	267.0	267.2	267.3	266.9	267.3	267.2	267.0	267.0	267.0	267.2
20.5°	265.8	265.8	265.9	266.1	265.7	266.1	265.9	265.8	265.8	265.8	265.9
21°	264.7	264.7	264.8	264.9	264.5	264.9	264.8	264.7	264.7	264.7	264.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	261.1	261.1	261.3	261.3	261.0	261.3	261.3	261.1	261.1	261.1	261.3
23°	259.8	259.8	259.9	260.0	259.7	260.0	259.9	259.8	259.8	259.8	259.9
23.5°	258.6	258.6	258.7	258.8	258.4	258.8	258.7	258.6	258.6	258.6	258.7
24°	257.3	257.3	257.4	257.5	257.2	257.5	257.4	257.3	257.3	257.3	257.4
24.5°	256.0	256.0	256.1	256.2	255.8	256.2	256.1	256.0	256.0	256.0	256.1
25°	254.6	254.6	254.7	254.8	254.4	254.8	254.7	254.6	254.6	254.6	254.7
25.5°	253.3	253.3	253.3	253.4	253.1	253.4	253.3	253.3	253.3	253.3	253.3
26°	251.9	251.9	252.0	252.1	251.7	252.1	252.0	251.9	251.9	251.9	252.0
26.5°	250.5	250.5	250.6	250.7	250.3	250.7	250.6	250.5	250.5	250.5	250.6
27°	249.1	249.1	249.2	249.3	248.9	249.3	249.2	249.1	249.1	249.1	249.2
27.5°	247.6	247.6	247.7	247.8	247.5	247.8	247.7	247.6	247.6	247.6	247.7
28°	246.2	246.2	246.3	246.3	246.0	246.3	246.3	246.2	246.2	246.2	246.3
28.5°	244.7	244.7	244.8	244.9	244.6	244.9	244.8	244.7	244.7	244.7	244.8
29°	243.3	243.3	243.4	243.4	243.0	243.4	243.4	243.3	243.3	243.3	243.4
29.5°	241.7	241.7	241.8	241.8	241.5	241.8	241.8	241.7	241.7	241.7	241.8
30°	240.2	240.2	240.3	240.3	240.0	240.3	240.3	240.2	240.2	240.2	240.3
30.5°	238.6	238.6	238.7	238.8	238.4	238.8	238.7	238.6	238.6	238.6	238.7
31°	237.0	237.0	237.0	237.1	236.8	237.1	237.0	237.0	237.0	237.0	237.0
31.5°	235.4	235.4	235.5	235.5	235.2	235.5	235.5	235.4	235.4	235.4	235.5
32°	233.8	233.8	233.8	233.9	233.6	233.9	233.8	233.8	233.8	233.8	233.8
32.5°	232.2	232.1	232.2	232.3	231.9	232.3	232.2	232.1	232.2	232.1	232.2
33°	230.4	230.4	230.4	230.5	230.2	230.5	230.4	230.4	230.4	230.4	230.4
33.5°	228.7	228.7	228.7	228.8	228.5	228.8	228.7	228.7	228.7	228.7	228.7
34°	227.0	226.9	227.0	227.1	226.7	227.1	227.0	226.9	227.0	226.9	227.0
34.5°	225.1	225.1	225.2	225.2	224.9	225.2	225.2	225.1	225.1	225.1	225.2
35°	223.3	223.3	223.4	223.5	223.2	223.5	223.4	223.3	223.3	223.3	223.4
35.5°	221.6	221.5	221.6	221.6	221.3	221.6	221.6	221.5	221.6	221.5	221.6
36°	219.6	219.6	219.8	219.8	219.4	219.8	219.8	219.6	219.6	219.6	219.8
36.5°	217.8	217.8	217.9	217.9	217.6	217.9	217.9	217.8	217.8	217.8	217.9
37°	215.9	215.9	216.0	216.1	215.8	216.1	216.0	215.9	215.9	215.9	216.0
37.5°	214.1	214.0	214.1	214.2	213.8	214.2	214.1	214.0	214.1	214.0	214.1
38°	212.1	212.0	212.2	212.2	211.9	212.2	212.2	212.0	212.1	212.0	212.2
38.5°	210.2	210.2	210.2	210.3	210.0	210.3	210.2	210.2	210.2	210.2	210.2
39°	208.3	208.2	208.3	208.3	208.1	208.3	208.3	208.2	208.3	208.2	208.3
39.5°	206.2	206.2	206.2	206.3	206.0	206.3	206.2	206.2	206.2	206.2	206.2
40°	204.2	204.2	204.3	204.3	204.0	204.3	204.3	204.2	204.2	204.2	204.3
40.5°	202.2	202.2	202.3	202.3	201.9	202.3	202.3	202.2	202.2	202.2	202.3
41°	200.1	200.1	200.2	200.2	199.9	200.2	200.2	200.1	200.1	200.1	200.2
41.5°	198.0	198.0	198.1	198.1	197.8	198.1	198.1	198.0	198.0	198.0	198.1
42°	195.9	195.9	195.9	196.0	195.7	196.0	195.9	195.9	195.9	195.9	195.9
42.5°	193.8	193.8	193.9	193.9	193.6	193.9	193.9	193.8	193.8	193.8	193.9
43°	191.8	191.7	191.8	191.8	191.5	191.8	191.8	191.7	191.8	191.7	191.8
43.5°	189.5	189.5	189.6	189.6	189.3	189.6	189.6	189.5	189.5	189.5	189.6

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CATALOG NUMBER: RLWZDZC4-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	183.0	183.0	183.0	183.0	182.7	183.0	183.0	183.0	183.0	183.0	183.0
45.5°	180.8	180.8	180.8	180.8	180.5	180.8	180.8	180.8	180.8	180.8	180.8
46°	178.5	178.5	178.5	178.5	178.2	178.5	178.5	178.5	178.5	178.5	178.5
46.5°	176.3	176.3	176.3	176.3	176.1	176.3	176.3	176.3	176.3	176.3	176.3
47°	174.0	174.0	174.1	174.1	173.8	174.1	174.1	174.0	174.0	174.0	174.1
47.5°	171.7	171.7	171.7	171.7	171.4	171.7	171.7	171.7	171.7	171.7	171.7
48°	169.5	169.5	169.5	169.5	169.2	169.5	169.5	169.5	169.5	169.5	169.5
48.5°	167.2	167.2	167.2	167.2	166.8	167.2	167.2	167.2	167.2	167.2	167.2
49°	164.8	164.8	164.8	164.8	164.5	164.8	164.8	164.8	164.8	164.8	164.8
49.5°	162.5	162.5	162.5	162.5	162.2	162.5	162.5	162.5	162.5	162.5	162.5
50°	160.1	160.1	160.1	160.1	159.8	160.1	160.1	160.1	160.1	160.1	160.1
50.5°	157.7	157.7	157.7	157.7	157.4	157.7	157.7	157.7	157.7	157.7	157.7
51°	155.4	155.4	155.4	155.4	155.0	155.4	155.4	155.4	155.4	155.4	155.4
51.5°	152.9	152.9	153.0	152.9	152.7	152.9	153.0	152.9	152.9	152.9	153.0
52°	150.6	150.6	150.6	150.6	150.3	150.6	150.6	150.6	150.6	150.6	150.6
52.5°	148.1	148.1	148.1	148.1	147.8	148.1	148.1	148.1	148.1	148.1	148.1
53°	145.7	145.7	145.7	145.7	145.4	145.7	145.7	145.7	145.7	145.7	145.7
53.5°	143.2	143.2	143.2	143.2	142.9	143.2	143.2	143.2	143.2	143.2	143.2
54°	140.8	140.8	140.8	140.8	140.6	140.8	140.8	140.8	140.8	140.8	140.8
54.5°	138.4	138.4	138.4	138.4	138.1	138.3	138.4	138.4	138.4	138.4	138.4
55°	135.9	135.9	135.9	135.9	135.6	135.8	135.9	135.9	135.9	135.9	135.9
55.5°	133.4	133.4	133.4	133.4	133.2	133.4	133.4	133.4	133.4	133.4	133.4
56°	130.9	130.9	130.9	130.9	130.7	130.8	130.9	130.9	130.9	130.9	130.9
56.5°	128.4	128.5	128.4	128.4	128.2	128.4	128.4	128.5	128.4	128.5	128.4
57°	125.9	125.9	125.9	125.9	125.6	125.8	125.9	125.9	125.9	125.9	125.9
57.5°	123.4	123.4	123.4	123.4	123.2	123.3	123.4	123.4	123.4	123.4	123.4
58°	121.0	121.0	120.9	120.9	120.7	120.9	120.9	121.0	121.0	121.0	120.9
58.5°	118.4	118.4	118.4	118.4	118.1	118.3	118.4	118.4	118.4	118.4	118.4
59°	115.9	115.9	115.9	115.9	115.6	115.8	115.9	115.9	115.9	115.9	115.9
59.5°	113.3	113.3	113.3	113.3	113.1	113.2	113.3	113.3	113.3	113.3	113.3
60°	110.8	110.9	110.8	110.8	110.6	110.8	110.8	110.9	110.8	110.9	110.8
60.5°	108.3	108.3	108.2	108.2	108.0	108.2	108.2	108.3	108.3	108.3	108.2
61°	105.8	105.8	105.7	105.7	105.5	105.7	105.7	105.8	105.8	105.8	105.7
61.5°	103.3	103.3	103.2	103.2	103.0	103.2	103.2	103.3	103.3	103.3	103.2
62°	100.7	100.7	100.6	100.6	100.5	100.6	100.6	100.7	100.7	100.7	100.6
62.5°	98.2	98.2	98.2	98.2	97.9	98.1	98.2	98.2	98.2	98.2	98.2
63°	95.6	95.6	95.6	95.6	95.3	95.5	95.6	95.6	95.6	95.6	95.6
63.5°	93.1	93.1	93.1	93.1	92.9	93.0	93.1	93.1	93.1	93.1	93.1
64°	90.5	90.5	90.5	90.5	90.3	90.5	90.5	90.5	90.5	90.5	90.5
64.5°	88.1	88.0	88.0	88.0	87.8	88.0	88.0	88.0	88.1	88.0	88.0
65°	85.6	85.6	85.5	85.5	85.3	85.5	85.5	85.6	85.6	85.6	85.5
65.5°	83.0	83.0	83.0	83.0	82.7	82.9	83.0	83.0	83.0	83.0	83.0
66°	80.5	80.5	80.5	80.5	80.3	80.4	80.5	80.5	80.5	80.5	80.5

TEST NUMBER: P971888

CATALOG NUMBER: RLWZDZC4-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	72.9	72.9	72.8	72.8	72.7	72.8	72.8	72.9	72.9	72.9	72.8
68°	70.5	70.4	70.4	70.3	70.2	70.3	70.4	70.4	70.5	70.4	70.4
68.5°	68.0	68.0	67.9	67.9	67.7	67.9	67.9	68.0	68.0	68.0	67.9
69°	65.5	65.5	65.4	65.3	65.2	65.3	65.4	65.5	65.5	65.5	65.4
69.5°	63.0	63.0	62.9	62.9	62.7	62.9	62.9	63.0	63.0	63.0	62.9
70°	60.5	60.5	60.4	60.4	60.2	60.4	60.4	60.5	60.5	60.5	60.4
70.5°	58.1	58.1	58.0	57.9	57.8	57.9	58.0	58.1	58.1	58.1	58.0
71°	55.6	55.6	55.5	55.5	55.3	55.5	55.5	55.6	55.6	55.6	55.5
71.5°	53.2	53.2	53.1	53.1	52.9	53.1	53.1	53.2	53.2	53.2	53.1
72°	50.9	50.9	50.8	50.7	50.6	50.7	50.8	50.9	50.9	50.9	50.8
72.5°	48.4	48.4	48.3	48.3	48.1	48.3	48.3	48.4	48.4	48.4	48.3
73°	46.1	46.1	46.0	45.9	45.8	45.9	46.0	46.1	46.1	46.1	46.0
73.5°	43.7	43.7	43.6	43.5	43.4	43.5	43.6	43.7	43.7	43.7	43.6
74°	41.4	41.4	41.3	41.3	41.1	41.3	41.3	41.4	41.4	41.4	41.3
74.5°	39.2	39.2	39.1	39.0	39.0	39.0	39.1	39.2	39.2	39.2	39.1
75°	36.8	36.9	36.9	36.7	36.7	36.7	36.9	36.9	36.8	36.9	36.9
75.5°	34.7	34.7	34.7	34.5	34.5	34.5	34.7	34.7	34.7	34.7	34.7
76°	32.5	32.6	32.5	32.4	32.3	32.4	32.5	32.6	32.5	32.6	32.5
76.5°	30.5	30.4	30.3	30.2	30.1	30.2	30.3	30.4	30.5	30.4	30.3
77°	28.5	28.4	28.3	28.2	28.0	28.2	28.3	28.4	28.5	28.4	28.3
77.5°	26.5	26.3	26.2	26.1	26.0	26.1	26.2	26.3	26.5	26.3	26.2
78°	24.4	24.3	24.2	24.1	24.0	24.1	24.2	24.3	24.4	24.3	24.2
78.5°	22.4	22.4	22.3	22.2	22.1	22.2	22.3	22.4	22.4	22.4	22.3
79°	20.6	20.6	20.4	20.3	20.2	20.3	20.4	20.6	20.6	20.6	20.4
79.5°	18.7	18.7	18.6	18.5	18.4	18.5	18.6	18.7	18.7	18.7	18.6
80°	17.0	17.0	16.9	16.8	16.7	16.8	16.9	17.0	17.0	17.0	16.9
80.5°	15.4	15.4	15.3	15.2	15.1	15.2	15.3	15.4	15.4	15.4	15.3
81°	13.7	13.8	13.7	13.6	13.4	13.6	13.7	13.8	13.7	13.8	13.7
81.5°	12.3	12.3	12.2	12.1	11.9	12.1	12.2	12.3	12.3	12.3	12.2
82°	10.9	11.0	10.9	10.7	10.5	10.7	10.9	11.0	10.9	11.0	10.9
82.5°	9.6	9.7	9.6	9.5	9.3	9.5	9.6	9.7	9.6	9.7	9.6
83°	8.2	8.3	8.2	8.1	8.1	8.1	8.2	8.3	8.2	8.3	8.2
83.5°	7.0	7.2	7.1	7.0	7.0	7.0	7.1	7.2	7.0	7.2	7.1
84°	6.0	6.1	6.0	6.0	5.9	6.0	6.0	6.1	6.0	6.1	6.0
84.5°	5.1	5.2	5.1	5.0	4.9	5.0	5.1	5.2	5.1	5.2	5.1
85°	4.3	4.4	4.3	4.2	4.2	4.2	4.3	4.4	4.3	4.4	4.3
85.5°	3.6	3.6	3.7	3.6	3.5	3.6	3.7	3.6	3.6	3.6	3.7
86°	3.0	3.1	3.1	3.0	2.8	3.0	3.1	3.1	3.0	3.1	3.1
86.5°	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4
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: P971888
CATALOG NUMBER: RLWZDZC4-6500K

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: P971888

CATALOG NUMBER: RLWZDZC4-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	290.2	290.2	290.2	290.2	290.2	290.2
0.5°	290.3	289.8	290.3	290.2	290.2	290.2
1°	290.3	289.8	290.3	290.2	290.1	290.1
1.5°	290.2	289.7	290.2	290.1	289.9	289.9
2°	290.1	289.6	290.1	289.9	289.8	289.8
2.5°	289.9	289.5	289.9	289.8	289.7	289.7
3°	289.7	289.3	289.7	289.7	289.6	289.5
3.5°	289.5	289.1	289.5	289.5	289.4	289.4
4°	289.3	288.9	289.3	289.3	289.1	289.2
4.5°	289.1	288.7	289.1	289.0	288.9	288.9
5°	288.8	288.4	288.8	288.7	288.6	288.6
5.5°	288.5	288.1	288.5	288.4	288.3	288.3
6°	288.2	287.7	288.2	288.1	288.0	288.0
6.5°	287.8	287.4	287.8	287.7	287.6	287.6
7°	287.4	287.0	287.4	287.3	287.3	287.3
7.5°	287.0	286.6	287.0	286.9	286.8	286.8
8°	286.5	286.1	286.5	286.5	286.4	286.4
8.5°	286.1	285.7	286.1	286.0	285.9	285.9
9°	285.6	285.2	285.6	285.5	285.4	285.4
9.5°	285.1	284.7	285.1	285.0	284.9	284.9
10°	284.5	284.0	284.5	284.4	284.3	284.3
10.5°	283.8	283.4	283.8	283.7	283.7	283.6
11°	283.2	282.8	283.2	283.1	283.0	283.0
11.5°	282.6	282.2	282.6	282.5	282.4	282.4
12°	281.9	281.5	281.9	281.8	281.7	281.7
12.5°	281.2	280.8	281.2	281.1	281.0	281.0
13°	280.5	280.1	280.5	280.4	280.3	280.3
13.5°	279.7	279.3	279.7	279.6	279.5	279.6
14°	278.9	278.6	278.9	278.8	278.8	278.8
14.5°	278.0	277.6	278.0	277.9	277.8	277.8
15°	277.2	276.8	277.2	277.1	277.0	277.0
15.5°	276.3	275.9	276.3	276.2	276.1	276.1
16°	275.4	275.0	275.4	275.3	275.2	275.2
16.5°	274.5	274.1	274.5	274.4	274.3	274.3
17°	273.5	273.2	273.5	273.4	273.3	273.4
17.5°	272.6	272.1	272.6	272.4	272.3	272.3
18°	271.5	271.1	271.5	271.4	271.3	271.3
18.5°	270.4	270.1	270.4	270.3	270.2	270.2
19°	269.4	269.0	269.4	269.3	269.2	269.2
19.5°	268.3	268.0	268.3	268.2	268.1	268.1
20°	267.3	266.9	267.3	267.2	267.0	267.0
20.5°	266.1	265.7	266.1	265.9	265.8	265.8
21°	264.9	264.5	264.9	264.8	264.7	264.7



TEST NUMBER: P971888

CATALOG NUMBER: RLWZDZC4-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	261.3	261.0	261.3	261.3	261.1	261.1
23°	260.0	259.7	260.0	259.9	259.8	259.8
23.5°	258.8	258.4	258.8	258.7	258.6	258.6
24°	257.5	257.2	257.5	257.4	257.3	257.3
24.5°	256.2	255.8	256.2	256.1	256.0	256.0
25°	254.8	254.4	254.8	254.7	254.6	254.6
25.5°	253.4	253.1	253.4	253.3	253.3	253.3
26°	252.1	251.7	252.1	252.0	251.9	251.9
26.5°	250.7	250.3	250.7	250.6	250.5	250.5
27°	249.3	248.9	249.3	249.2	249.1	249.1
27.5°	247.8	247.5	247.8	247.7	247.6	247.6
28°	246.3	246.0	246.3	246.3	246.2	246.2
28.5°	244.9	244.6	244.9	244.8	244.7	244.7
29°	243.4	243.0	243.4	243.4	243.3	243.3
29.5°	241.8	241.5	241.8	241.8	241.7	241.7
30°	240.3	240.0	240.3	240.3	240.2	240.2
30.5°	238.8	238.4	238.8	238.7	238.6	238.6
31°	237.1	236.8	237.1	237.0	237.0	237.0
31.5°	235.5	235.2	235.5	235.5	235.4	235.4
32°	233.9	233.6	233.9	233.8	233.8	233.8
32.5°	232.3	231.9	232.3	232.2	232.1	232.2
33°	230.5	230.2	230.5	230.4	230.4	230.4
33.5°	228.8	228.5	228.8	228.7	228.7	228.7
34°	227.1	226.7	227.1	227.0	226.9	227.0
34.5°	225.2	224.9	225.2	225.2	225.1	225.1
35°	223.5	223.2	223.5	223.4	223.3	223.3
35.5°	221.6	221.3	221.6	221.6	221.5	221.6
36°	219.8	219.4	219.8	219.8	219.6	219.6
36.5°	217.9	217.6	217.9	217.9	217.8	217.8
37°	216.1	215.8	216.1	216.0	215.9	215.9
37.5°	214.2	213.8	214.2	214.1	214.0	214.1
38°	212.2	211.9	212.2	212.2	212.0	212.1
38.5°	210.3	210.0	210.3	210.2	210.2	210.2
39°	208.3	208.1	208.3	208.3	208.2	208.3
39.5°	206.3	206.0	206.3	206.2	206.2	206.2
40°	204.3	204.0	204.3	204.3	204.2	204.2
40.5°	202.3	201.9	202.3	202.3	202.2	202.2
41°	200.2	199.9	200.2	200.2	200.1	200.1
41.5°	198.1	197.8	198.1	198.1	198.0	198.0
42°	196.0	195.7	196.0	195.9	195.9	195.9
42.5°	193.9	193.6	193.9	193.9	193.8	193.8
43°	191.8	191.5	191.8	191.8	191.7	191.8
43.5°	189.6	189.3	189.6	189.6	189.5	189.5



TEST NUMBER: P971888

CATALOG NUMBER: RLWZDZC4-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	183.0	182.7	183.0	183.0	183.0	183.0
45.5°	180.8	180.5	180.8	180.8	180.8	180.8
46°	178.5	178.2	178.5	178.5	178.5	178.5
46.5°	176.3	176.1	176.3	176.3	176.3	176.3
47°	174.1	173.8	174.1	174.1	174.0	174.0
47.5°	171.7	171.4	171.7	171.7	171.7	171.7
48°	169.5	169.2	169.5	169.5	169.5	169.5
48.5°	167.2	166.8	167.2	167.2	167.2	167.2
49°	164.8	164.5	164.8	164.8	164.8	164.8
49.5°	162.5	162.2	162.5	162.5	162.5	162.5
50°	160.1	159.8	160.1	160.1	160.1	160.1
50.5°	157.7	157.4	157.7	157.7	157.7	157.7
51°	155.4	155.0	155.4	155.4	155.4	155.4
51.5°	152.9	152.7	152.9	153.0	152.9	152.9
52°	150.6	150.3	150.6	150.6	150.6	150.6
52.5°	148.1	147.8	148.1	148.1	148.1	148.1
53°	145.7	145.4	145.7	145.7	145.7	145.7
53.5°	143.2	142.9	143.2	143.2	143.2	143.2
54°	140.8	140.6	140.8	140.8	140.8	140.8
54.5°	138.3	138.1	138.3	138.4	138.4	138.4
55°	135.8	135.6	135.8	135.9	135.9	135.9
55.5°	133.4	133.2	133.4	133.4	133.4	133.4
56°	130.8	130.7	130.8	130.9	130.9	130.9
56.5°	128.4	128.2	128.4	128.4	128.5	128.4
57°	125.8	125.6	125.8	125.9	125.9	125.9
57.5°	123.3	123.2	123.3	123.4	123.4	123.4
58°	120.9	120.7	120.9	120.9	121.0	121.0
58.5°	118.3	118.1	118.3	118.4	118.4	118.4
59°	115.8	115.6	115.8	115.9	115.9	115.9
59.5°	113.2	113.1	113.2	113.3	113.3	113.3
60°	110.8	110.6	110.8	110.8	110.9	110.8
60.5°	108.2	108.0	108.2	108.2	108.3	108.3
61°	105.7	105.5	105.7	105.7	105.8	105.8
61.5°	103.2	103.0	103.2	103.2	103.3	103.3
62°	100.6	100.5	100.6	100.6	100.7	100.7
62.5°	98.1	97.9	98.1	98.2	98.2	98.2
63°	95.5	95.3	95.5	95.6	95.6	95.6
63.5°	93.0	92.9	93.0	93.1	93.1	93.1
64°	90.5	90.3	90.5	90.5	90.5	90.5
64.5°	88.0	87.8	88.0	88.0	88.0	88.1
65°	85.5	85.3	85.5	85.5	85.6	85.6
65.5°	82.9	82.7	82.9	83.0	83.0	83.0
66°	80.4	80.3	80.4	80.5	80.5	80.5

TEST NUMBER: P971888

CATALOG NUMBER: RLWZDZC4-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	72.8	72.7	72.8	72.8	72.9	72.9
68°	70.3	70.2	70.3	70.4	70.4	70.5
68.5°	67.9	67.7	67.9	67.9	68.0	68.0
69°	65.3	65.2	65.3	65.4	65.5	65.5
69.5°	62.9	62.7	62.9	62.9	63.0	63.0
70°	60.4	60.2	60.4	60.4	60.5	60.5
70.5°	57.9	57.8	57.9	58.0	58.1	58.1
71°	55.5	55.3	55.5	55.5	55.6	55.6
71.5°	53.1	52.9	53.1	53.1	53.2	53.2
72°	50.7	50.6	50.7	50.8	50.9	50.9
72.5°	48.3	48.1	48.3	48.3	48.4	48.4
73°	45.9	45.8	45.9	46.0	46.1	46.1
73.5°	43.5	43.4	43.5	43.6	43.7	43.7
74°	41.3	41.1	41.3	41.3	41.4	41.4
74.5°	39.0	39.0	39.0	39.1	39.2	39.2
75°	36.7	36.7	36.7	36.9	36.9	36.8
75.5°	34.5	34.5	34.5	34.7	34.7	34.7
76°	32.4	32.3	32.4	32.5	32.6	32.5
76.5°	30.2	30.1	30.2	30.3	30.4	30.5
77°	28.2	28.0	28.2	28.3	28.4	28.5
77.5°	26.1	26.0	26.1	26.2	26.3	26.5
78°	24.1	24.0	24.1	24.2	24.3	24.4
78.5°	22.2	22.1	22.2	22.3	22.4	22.4
79°	20.3	20.2	20.3	20.4	20.6	20.6
79.5°	18.5	18.4	18.5	18.6	18.7	18.7
80°	16.8	16.7	16.8	16.9	17.0	17.0
80.5°	15.2	15.1	15.2	15.3	15.4	15.4
81°	13.6	13.4	13.6	13.7	13.8	13.7
81.5°	12.1	11.9	12.1	12.2	12.3	12.3
82°	10.7	10.5	10.7	10.9	11.0	10.9
82.5°	9.5	9.3	9.5	9.6	9.7	9.6
83°	8.1	8.1	8.1	8.2	8.3	8.2
83.5°	7.0	7.0	7.0	7.1	7.2	7.0
84°	6.0	5.9	6.0	6.0	6.1	6.0
84.5°	5.0	4.9	5.0	5.1	5.2	5.1
85°	4.2	4.2	4.2	4.3	4.4	4.3
85.5°	3.6	3.5	3.6	3.7	3.6	3.6
86°	3.0	2.8	3.0	3.1	3.1	3.0
86.5°	2.4	2.3	2.4	2.4	2.4	2.4
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: P971888

CATALOG NUMBER: RLWZDZC4-6500K

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°	263.5	263.5	263.6	263.7	263.4	263.7	263.6	263.5	263.5	263.5	263.6
22°	262.3	262.3	262.5	262.6	262.2	262.6	262.5	262.3	262.3	262.3	262.5



44°	187.4	187.4	187.4	187.4	187.2	187.4	187.4	187.4	187.4	187.4	187.4
44.5°	185.3	185.3	185.3	185.3	185.0	185.3	185.3	185.3	185.3	185.3	185.3



66.5°	77.9	78.0	77.9	77.8	77.7	77.8	77.9	78.0	77.9	78.0	77.9
67°	75.5	75.5	75.4	75.4	75.2	75.4	75.4	75.5	75.5	75.5	75.4



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°	263.7	263.4	263.7	263.6	263.5	263.5
22°	262.6	262.2	262.6	262.5	262.3	262.3



44°	187.4	187.2	187.4	187.4	187.4	187.4
44.5°	185.3	185.0	185.3	185.3	185.3	185.3



66.5°	77.8	77.7	77.8	77.9	78.0	77.9
67°	75.4	75.2	75.4	75.4	75.5	75.5



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)