

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: P971885

Luminaire Tested: RLWZDZC4-3500K

Issue Date: 2/18/2025

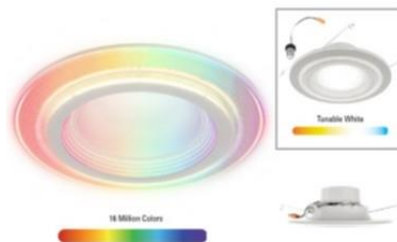
Test Information

Test Method: LM-79-2019
Report Number: P971885
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: RLWZDZC4-3500K
Description: RLDZ4" Canless 700lm, WiZ RGBW, 120V, WH, with NIGHTLIGHT
Light Source: WiZ RGBW CONTROLLED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 740.0 lumens
Efficiency: N/A
Efficacy: 87.1 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

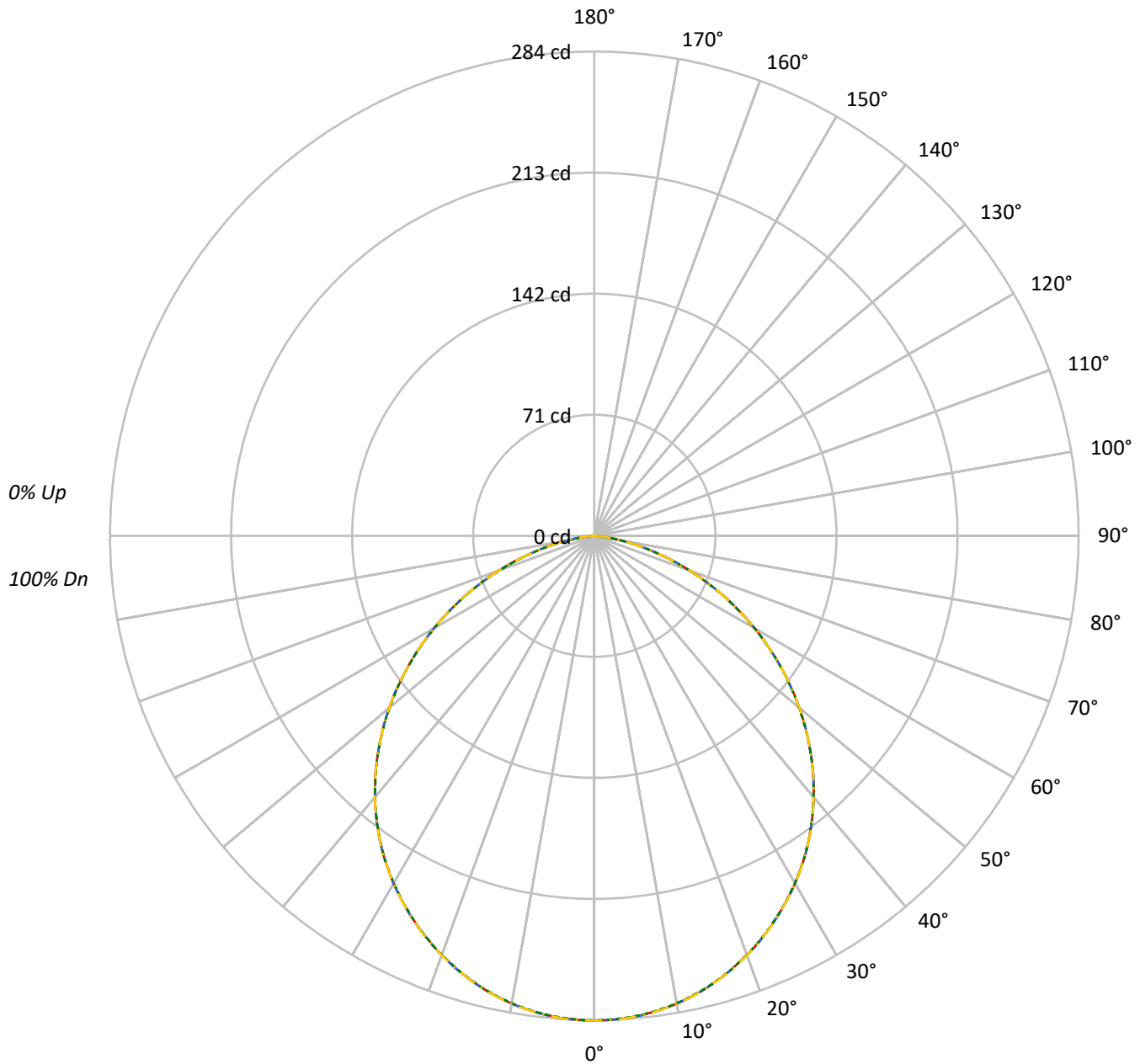
Input Watts (W): 8.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: RLWZDZC4-3500K

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°	35792	35792	35792	35792
5°	35739	35714	35739	35714
10°	35603	35577	35603	35577
15°	35374	35347	35374	35347
20°	35049	35035	35049	35035
25°	34659	34632	34659	34632
30°	34208	34179	34208	34179
35°	33631	33615	33631	33615
40°	32873	32841	32873	32841
45°	31929	31876	31929	31876
50°	30739	30680	30739	30680
55°	29226	29160	29226	29160
60°	27335	27284	27335	27284
65°	24984	24895	24984	24895
70°	21820	21710	21820	21710
75°	17553	17505	17553	17505
80°	12103	11886	12103	11886
85°	6065	5920	6065	5920

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31929 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	3.6
10°-20°	76.6	10.3
20°-30°	115.0	15.5
30°-40°	136.8	18.5
40°-50°	138.2	18.7
50°-60°	118.9	16.1
60°-70°	82.9	11.2
70°-80°	38.6	5.2
80°-90°	6.1	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°	218.5	29.5
0°-40°	355.3	48.0
0°-60°	612.4	82.8
0°-90°	740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	740.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	284	284	284	284	284	
5°	283	283	283	283	283	27
15°	272	271	272	271	272	77
25°	250	249	250	249	250	115
35°	219	219	219	219	219	137
45°	179	179	179	179	179	138
55°	133	133	133	133	133	119
65°	84	84	84	84	84	83
75°	36	36	36	36	36	39
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°	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4
0.5°	284.4	284.4	284.4	284.5	284.1	284.5	284.4	284.4	284.4	284.4	284.4
1°	284.3	284.3	284.4	284.5	284.1	284.5	284.4	284.3	284.3	284.3	284.4
1.5°	284.2	284.2	284.3	284.4	284.0	284.4	284.3	284.2	284.2	284.2	284.3
2°	284.1	284.1	284.2	284.3	283.9	284.3	284.2	284.1	284.1	284.1	284.2
2.5°	284.0	284.0	284.1	284.2	283.8	284.2	284.1	284.0	284.0	284.0	284.1
3°	283.8	283.9	284.0	284.0	283.6	284.0	284.0	283.9	283.8	283.9	284.0
3.5°	283.7	283.7	283.8	283.8	283.4	283.8	283.8	283.7	283.7	283.7	283.8
4°	283.5	283.4	283.6	283.6	283.2	283.6	283.6	283.4	283.5	283.4	283.6
4.5°	283.2	283.2	283.3	283.4	283.0	283.4	283.3	283.2	283.2	283.2	283.3
5°	282.9	282.9	283.0	283.1	282.7	283.1	283.0	282.9	282.9	282.9	283.0
5.5°	282.6	282.6	282.7	282.8	282.4	282.8	282.7	282.6	282.6	282.6	282.7
6°	282.3	282.3	282.4	282.5	282.0	282.5	282.4	282.3	282.3	282.3	282.4
6.5°	281.9	281.9	282.0	282.1	281.7	282.1	282.0	281.9	281.9	281.9	282.0
7°	281.6	281.6	281.6	281.7	281.3	281.7	281.6	281.6	281.6	281.6	281.6
7.5°	281.1	281.1	281.2	281.3	280.9	281.3	281.2	281.1	281.1	281.1	281.2
8°	280.7	280.7	280.8	280.8	280.4	280.8	280.8	280.7	280.7	280.7	280.8
8.5°	280.2	280.2	280.3	280.4	280.0	280.4	280.3	280.2	280.2	280.2	280.3
9°	279.7	279.7	279.8	279.9	279.5	279.9	279.8	279.7	279.7	279.7	279.8
9.5°	279.2	279.2	279.3	279.4	279.0	279.4	279.3	279.2	279.2	279.2	279.3
10°	278.6	278.6	278.7	278.8	278.4	278.8	278.7	278.6	278.6	278.6	278.7
10.5°	278.0	278.1	278.1	278.2	277.8	278.2	278.1	278.1	278.0	278.1	278.1
11°	277.4	277.4	277.5	277.6	277.2	277.6	277.5	277.4	277.4	277.4	277.5
11.5°	276.8	276.8	276.9	277.0	276.6	277.0	276.9	276.8	276.8	276.8	276.9
12°	276.1	276.1	276.2	276.3	275.9	276.3	276.2	276.1	276.1	276.1	276.2
12.5°	275.4	275.4	275.5	275.6	275.2	275.6	275.5	275.4	275.4	275.4	275.5
13°	274.7	274.7	274.8	274.9	274.5	274.9	274.8	274.7	274.7	274.7	274.8
13.5°	274.0	273.9	274.0	274.1	273.7	274.1	274.0	273.9	274.0	273.9	274.0
14°	273.2	273.2	273.2	273.3	273.0	273.3	273.2	273.2	273.2	273.2	273.2
14.5°	272.3	272.3	272.4	272.5	272.1	272.5	272.4	272.3	272.3	272.3	272.4
15°	271.5	271.5	271.6	271.7	271.3	271.7	271.6	271.5	271.5	271.5	271.6
15.5°	270.6	270.6	270.7	270.8	270.4	270.8	270.7	270.6	270.6	270.6	270.7
16°	269.7	269.7	269.8	269.9	269.5	269.9	269.8	269.7	269.7	269.7	269.8
16.5°	268.8	268.8	268.9	269.0	268.6	269.0	268.9	268.8	268.8	268.8	268.9
17°	267.9	267.8	267.9	268.0	267.7	268.0	267.9	267.8	267.9	267.8	267.9
17.5°	266.9	266.9	267.0	267.1	266.7	267.1	267.0	266.9	266.9	266.9	267.0
18°	265.9	265.9	266.0	266.1	265.7	266.1	266.0	265.9	265.9	265.9	266.0
18.5°	264.8	264.8	264.9	265.0	264.7	265.0	264.9	264.8	264.8	264.8	264.9
19°	263.8	263.8	263.9	264.0	263.6	264.0	263.9	263.8	263.8	263.8	263.9
19.5°	262.7	262.7	262.8	262.9	262.6	262.9	262.8	262.7	262.7	262.7	262.8
20°	261.7	261.7	261.9	262.0	261.6	262.0	261.9	261.7	261.7	261.7	261.9
20.5°	260.6	260.6	260.7	260.9	260.5	260.9	260.7	260.6	260.6	260.6	260.7
21°	259.5	259.5	259.6	259.7	259.3	259.7	259.6	259.5	259.5	259.5	259.6

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CATALOG NUMBER: RLWZDZC4-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	255.9	255.9	256.1	256.1	255.8	256.1	256.1	255.9	255.9	255.9	256.1
23°	254.7	254.7	254.8	254.9	254.6	254.9	254.8	254.7	254.7	254.7	254.8
23.5°	253.5	253.5	253.6	253.7	253.3	253.7	253.6	253.5	253.5	253.5	253.6
24°	252.2	252.2	252.3	252.4	252.1	252.4	252.3	252.2	252.2	252.2	252.3
24.5°	250.9	250.9	251.0	251.1	250.7	251.1	251.0	250.9	250.9	250.9	251.0
25°	249.6	249.6	249.7	249.8	249.4	249.8	249.7	249.6	249.6	249.6	249.7
25.5°	248.3	248.3	248.3	248.4	248.1	248.4	248.3	248.3	248.3	248.3	248.3
26°	246.9	246.9	247.0	247.1	246.7	247.1	247.0	246.9	246.9	246.9	247.0
26.5°	245.5	245.5	245.6	245.7	245.3	245.7	245.6	245.5	245.5	245.5	245.6
27°	244.1	244.1	244.2	244.3	244.0	244.3	244.2	244.1	244.1	244.1	244.2
27.5°	242.7	242.7	242.8	242.9	242.6	242.9	242.8	242.7	242.7	242.7	242.8
28°	241.3	241.3	241.4	241.4	241.1	241.4	241.4	241.3	241.3	241.3	241.4
28.5°	239.8	239.8	239.9	240.0	239.7	240.0	239.9	239.8	239.8	239.8	239.9
29°	238.4	238.4	238.5	238.5	238.2	238.5	238.5	238.4	238.4	238.4	238.5
29.5°	236.9	236.9	237.0	237.0	236.7	237.0	237.0	236.9	236.9	236.9	237.0
30°	235.4	235.4	235.5	235.5	235.2	235.5	235.5	235.4	235.4	235.4	235.5
30.5°	233.8	233.8	233.9	234.0	233.6	234.0	233.9	233.8	233.8	233.8	233.9
31°	232.3	232.3	232.3	232.4	232.1	232.4	232.3	232.3	232.3	232.3	232.3
31.5°	230.7	230.7	230.8	230.8	230.5	230.8	230.8	230.7	230.7	230.7	230.8
32°	229.1	229.1	229.1	229.2	228.9	229.2	229.1	229.1	229.1	229.1	229.1
32.5°	227.5	227.5	227.5	227.6	227.3	227.6	227.5	227.5	227.5	227.5	227.5
33°	225.9	225.9	225.9	226.0	225.7	226.0	225.9	225.9	225.9	225.9	225.9
33.5°	224.2	224.2	224.2	224.3	224.0	224.3	224.2	224.2	224.2	224.2	224.2
34°	222.5	222.4	222.5	222.6	222.2	222.6	222.5	222.4	222.5	222.4	222.5
34.5°	220.7	220.7	220.8	220.8	220.5	220.8	220.8	220.7	220.7	220.7	220.8
35°	218.9	218.9	219.0	219.1	218.8	219.1	219.0	218.9	218.9	218.9	219.0
35.5°	217.2	217.1	217.2	217.2	216.9	217.2	217.2	217.1	217.2	217.1	217.2
36°	215.3	215.3	215.4	215.4	215.1	215.4	215.4	215.3	215.3	215.3	215.4
36.5°	213.5	213.5	213.6	213.6	213.3	213.6	213.6	213.5	213.5	213.5	213.6
37°	211.6	211.6	211.7	211.8	211.5	211.8	211.7	211.6	211.6	211.6	211.7
37.5°	209.8	209.7	209.8	209.9	209.6	209.9	209.8	209.7	209.8	209.7	209.8
38°	207.9	207.8	208.0	208.0	207.7	208.0	208.0	207.8	207.9	207.8	208.0
38.5°	206.0	206.0	206.0	206.1	205.8	206.1	206.0	206.0	206.0	206.0	206.0
39°	204.1	204.0	204.1	204.1	203.9	204.1	204.1	204.0	204.1	204.0	204.1
39.5°	202.1	202.1	202.1	202.2	201.9	202.2	202.1	202.1	202.1	202.1	202.1
40°	200.1	200.1	200.2	200.2	199.9	200.2	200.2	200.1	200.1	200.1	200.2
40.5°	198.1	198.1	198.2	198.2	197.9	198.2	198.2	198.1	198.1	198.1	198.2
41°	196.1	196.1	196.2	196.2	195.9	196.2	196.2	196.1	196.1	196.1	196.2
41.5°	194.0	194.0	194.1	194.1	193.8	194.1	194.1	194.0	194.0	194.0	194.1
42°	192.1	192.1	192.1	192.2	191.9	192.2	192.1	192.1	192.1	192.1	192.1
42.5°	190.0	190.0	190.1	190.1	189.8	190.1	190.1	190.0	190.0	190.0	190.1
43°	188.0	187.9	188.0	188.0	187.7	188.0	188.0	187.9	188.0	187.9	188.0
43.5°	185.8	185.8	185.9	185.9	185.6	185.9	185.9	185.8	185.8	185.8	185.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	179.4	179.4	179.4	179.4	179.1	179.4	179.4	179.4	179.4	179.4	179.4
45.5°	177.2	177.2	177.2	177.2	176.9	177.2	177.2	177.2	177.2	177.2	177.2
46°	175.0	175.0	175.0	175.0	174.7	175.0	175.0	175.0	175.0	175.0	175.0
46.5°	172.8	172.8	172.8	172.8	172.6	172.8	172.8	172.8	172.8	172.8	172.8
47°	170.5	170.5	170.6	170.6	170.3	170.6	170.6	170.5	170.5	170.5	170.6
47.5°	168.3	168.3	168.3	168.3	168.0	168.3	168.3	168.3	168.3	168.3	168.3
48°	166.1	166.1	166.1	166.1	165.8	166.1	166.1	166.1	166.1	166.1	166.1
48.5°	163.8	163.8	163.8	163.8	163.5	163.8	163.8	163.8	163.8	163.8	163.8
49°	161.5	161.5	161.5	161.5	161.2	161.5	161.5	161.5	161.5	161.5	161.5
49.5°	159.2	159.2	159.2	159.2	158.9	159.2	159.2	159.2	159.2	159.2	159.2
50°	157.0	157.0	157.0	157.0	156.7	157.0	157.0	157.0	157.0	157.0	157.0
50.5°	154.6	154.6	154.6	154.6	154.3	154.6	154.6	154.6	154.6	154.6	154.6
51°	152.3	152.3	152.3	152.3	152.0	152.3	152.3	152.3	152.3	152.3	152.3
51.5°	149.9	149.9	150.0	149.9	149.7	149.9	150.0	149.9	149.9	149.9	150.0
52°	147.6	147.6	147.6	147.6	147.3	147.6	147.6	147.6	147.6	147.6	147.6
52.5°	145.2	145.2	145.2	145.2	144.9	145.2	145.2	145.2	145.2	145.2	145.2
53°	142.8	142.8	142.8	142.8	142.5	142.8	142.8	142.8	142.8	142.8	142.8
53.5°	140.4	140.4	140.4	140.4	140.1	140.4	140.4	140.4	140.4	140.4	140.4
54°	138.0	138.0	138.0	138.0	137.8	138.0	138.0	138.0	138.0	138.0	138.0
54.5°	135.6	135.6	135.6	135.6	135.3	135.5	135.6	135.6	135.6	135.6	135.6
55°	133.2	133.2	133.2	133.2	132.9	133.1	133.2	133.2	133.2	133.2	133.2
55.5°	130.7	130.7	130.7	130.7	130.5	130.7	130.7	130.7	130.7	130.7	130.7
56°	128.3	128.3	128.3	128.3	128.1	128.2	128.3	128.3	128.3	128.3	128.3
56.5°	125.8	125.9	125.8	125.8	125.6	125.8	125.8	125.9	125.8	125.9	125.8
57°	123.4	123.4	123.4	123.4	123.1	123.3	123.4	123.4	123.4	123.4	123.4
57.5°	121.0	121.0	121.0	121.0	120.8	120.9	121.0	121.0	121.0	121.0	121.0
58°	118.6	118.6	118.5	118.5	118.3	118.5	118.5	118.6	118.6	118.6	118.5
58.5°	116.1	116.1	116.1	116.0	115.8	116.0	116.1	116.1	116.1	116.1	116.1
59°	113.6	113.6	113.6	113.5	113.3	113.5	113.6	113.6	113.6	113.6	113.6
59.5°	111.1	111.1	111.1	111.0	110.9	111.0	111.1	111.1	111.1	111.1	111.1
60°	108.6	108.7	108.6	108.6	108.4	108.6	108.6	108.7	108.6	108.7	108.6
60.5°	106.2	106.2	106.1	106.1	105.9	106.1	106.1	106.2	106.2	106.2	106.1
61°	103.7	103.7	103.6	103.6	103.4	103.6	103.6	103.7	103.7	103.7	103.6
61.5°	101.2	101.2	101.1	101.1	100.9	101.1	101.1	101.2	101.2	101.2	101.1
62°	98.7	98.7	98.6	98.6	98.5	98.6	98.6	98.7	98.7	98.7	98.6
62.5°	96.2	96.2	96.2	96.1	95.9	96.1	96.2	96.2	96.2	96.2	96.2
63°	93.7	93.7	93.7	93.6	93.4	93.6	93.7	93.7	93.7	93.7	93.7
63.5°	91.2	91.2	91.2	91.1	91.0	91.1	91.2	91.2	91.2	91.2	91.2
64°	88.7	88.7	88.7	88.7	88.5	88.7	88.7	88.7	88.7	88.7	88.7
64.5°	86.4	86.3	86.3	86.3	86.1	86.3	86.3	86.3	86.4	86.3	86.3
65°	83.9	83.9	83.8	83.8	83.6	83.8	83.8	83.9	83.9	83.9	83.8
65.5°	81.4	81.4	81.4	81.3	81.1	81.3	81.4	81.4	81.4	81.4	81.4
66°	78.9	78.9	78.9	78.8	78.7	78.8	78.9	78.9	78.9	78.9	78.9

TEST NUMBER: P971885

CATALOG NUMBER: RLWZDZC4-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	71.5	71.5	71.4	71.4	71.3	71.4	71.4	71.5	71.5	71.5	71.4
68°	69.1	69.0	69.0	68.9	68.8	68.9	69.0	69.0	69.1	69.0	69.0
68.5°	66.6	66.6	66.5	66.5	66.3	66.5	66.5	66.6	66.6	66.6	66.5
69°	64.2	64.2	64.1	64.0	63.9	64.0	64.1	64.2	64.2	64.2	64.1
69.5°	61.7	61.7	61.6	61.6	61.4	61.6	61.6	61.7	61.7	61.7	61.6
70°	59.3	59.3	59.2	59.2	59.0	59.2	59.2	59.3	59.3	59.3	59.2
70.5°	56.9	56.9	56.8	56.7	56.6	56.7	56.8	56.9	56.9	56.9	56.8
71°	54.5	54.5	54.4	54.4	54.2	54.4	54.4	54.5	54.5	54.5	54.4
71.5°	52.2	52.2	52.1	52.1	51.9	52.1	52.1	52.2	52.2	52.2	52.1
72°	49.9	49.9	49.8	49.7	49.6	49.7	49.8	49.9	49.9	49.9	49.8
72.5°	47.5	47.5	47.4	47.4	47.2	47.4	47.4	47.5	47.5	47.5	47.4
73°	45.2	45.2	45.1	45.0	44.9	45.0	45.1	45.2	45.2	45.2	45.1
73.5°	42.9	42.9	42.8	42.7	42.6	42.7	42.8	42.9	42.9	42.9	42.8
74°	40.6	40.6	40.5	40.5	40.3	40.5	40.5	40.6	40.6	40.6	40.5
74.5°	38.4	38.4	38.3	38.2	38.2	38.2	38.3	38.4	38.4	38.4	38.3
75°	36.1	36.2	36.2	36.0	36.0	36.0	36.2	36.2	36.1	36.2	36.2
75.5°	34.0	34.0	34.0	33.8	33.8	33.8	34.0	34.0	34.0	34.0	34.0
76°	31.8	31.9	31.8	31.7	31.6	31.7	31.8	31.9	31.8	31.9	31.8
76.5°	29.9	29.8	29.7	29.6	29.5	29.6	29.7	29.8	29.9	29.8	29.7
77°	27.9	27.8	27.7	27.6	27.4	27.6	27.7	27.8	27.9	27.8	27.7
77.5°	25.9	25.8	25.7	25.6	25.5	25.6	25.7	25.8	25.9	25.8	25.7
78°	23.9	23.8	23.7	23.6	23.5	23.6	23.7	23.8	23.9	23.8	23.7
78.5°	21.9	21.9	21.8	21.7	21.6	21.7	21.8	21.9	21.9	21.9	21.8
79°	20.1	20.1	20.0	19.9	19.8	19.9	20.0	20.1	20.1	20.1	20.0
79.5°	18.3	18.3	18.2	18.1	18.0	18.1	18.2	18.3	18.3	18.3	18.2
80°	16.7	16.7	16.6	16.5	16.4	16.5	16.6	16.7	16.7	16.7	16.6
80.5°	15.1	15.1	15.0	14.9	14.8	14.9	15.0	15.1	15.1	15.1	15.0
81°	13.5	13.6	13.5	13.4	13.2	13.4	13.5	13.6	13.5	13.6	13.5
81.5°	12.1	12.1	12.0	11.9	11.7	11.9	12.0	12.1	12.1	12.1	12.0
82°	10.7	10.8	10.7	10.5	10.3	10.5	10.7	10.8	10.7	10.8	10.7
82.5°	9.4	9.5	9.4	9.3	9.1	9.3	9.4	9.5	9.4	9.5	9.4
83°	8.1	8.2	8.1	8.0	8.0	8.0	8.1	8.2	8.1	8.2	8.1
83.5°	6.9	7.1	7.0	6.9	6.9	6.9	7.0	7.1	6.9	7.1	7.0
84°	5.9	6.0	5.9	5.9	5.8	5.9	5.9	6.0	5.9	6.0	5.9
84.5°	5.0	5.1	5.0	4.9	4.8	4.9	5.0	5.1	5.0	5.1	5.0
85°	4.2	4.3	4.2	4.1	4.1	4.1	4.2	4.3	4.2	4.3	4.2
85.5°	3.5	3.5	3.6	3.5	3.4	3.5	3.6	3.5	3.5	3.5	3.6
86°	2.9	3.0	3.0	2.9	2.8	2.9	3.0	3.0	2.9	3.0	3.0
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: P971885
CATALOG NUMBER: RLWZDZC4-3500K

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: P971885

CATALOG NUMBER: RLWZDZC4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	284.4	284.4	284.4	284.4	284.4	284.4
0.5°	284.5	284.1	284.5	284.4	284.4	284.4
1°	284.5	284.1	284.5	284.4	284.3	284.3
1.5°	284.4	284.0	284.4	284.3	284.2	284.2
2°	284.3	283.9	284.3	284.2	284.1	284.1
2.5°	284.2	283.8	284.2	284.1	284.0	284.0
3°	284.0	283.6	284.0	284.0	283.9	283.8
3.5°	283.8	283.4	283.8	283.8	283.7	283.7
4°	283.6	283.2	283.6	283.6	283.4	283.5
4.5°	283.4	283.0	283.4	283.3	283.2	283.2
5°	283.1	282.7	283.1	283.0	282.9	282.9
5.5°	282.8	282.4	282.8	282.7	282.6	282.6
6°	282.5	282.0	282.5	282.4	282.3	282.3
6.5°	282.1	281.7	282.1	282.0	281.9	281.9
7°	281.7	281.3	281.7	281.6	281.6	281.6
7.5°	281.3	280.9	281.3	281.2	281.1	281.1
8°	280.8	280.4	280.8	280.8	280.7	280.7
8.5°	280.4	280.0	280.4	280.3	280.2	280.2
9°	279.9	279.5	279.9	279.8	279.7	279.7
9.5°	279.4	279.0	279.4	279.3	279.2	279.2
10°	278.8	278.4	278.8	278.7	278.6	278.6
10.5°	278.2	277.8	278.2	278.1	278.1	278.0
11°	277.6	277.2	277.6	277.5	277.4	277.4
11.5°	277.0	276.6	277.0	276.9	276.8	276.8
12°	276.3	275.9	276.3	276.2	276.1	276.1
12.5°	275.6	275.2	275.6	275.5	275.4	275.4
13°	274.9	274.5	274.9	274.8	274.7	274.7
13.5°	274.1	273.7	274.1	274.0	273.9	274.0
14°	273.3	273.0	273.3	273.2	273.2	273.2
14.5°	272.5	272.1	272.5	272.4	272.3	272.3
15°	271.7	271.3	271.7	271.6	271.5	271.5
15.5°	270.8	270.4	270.8	270.7	270.6	270.6
16°	269.9	269.5	269.9	269.8	269.7	269.7
16.5°	269.0	268.6	269.0	268.9	268.8	268.8
17°	268.0	267.7	268.0	267.9	267.8	267.9
17.5°	267.1	266.7	267.1	267.0	266.9	266.9
18°	266.1	265.7	266.1	266.0	265.9	265.9
18.5°	265.0	264.7	265.0	264.9	264.8	264.8
19°	264.0	263.6	264.0	263.9	263.8	263.8
19.5°	262.9	262.6	262.9	262.8	262.7	262.7
20°	262.0	261.6	262.0	261.9	261.7	261.7
20.5°	260.9	260.5	260.9	260.7	260.6	260.6
21°	259.7	259.3	259.7	259.6	259.5	259.5



TEST NUMBER: P971885

CATALOG NUMBER: RLWZDZC4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	256.1	255.8	256.1	256.1	255.9	255.9
23°	254.9	254.6	254.9	254.8	254.7	254.7
23.5°	253.7	253.3	253.7	253.6	253.5	253.5
24°	252.4	252.1	252.4	252.3	252.2	252.2
24.5°	251.1	250.7	251.1	251.0	250.9	250.9
25°	249.8	249.4	249.8	249.7	249.6	249.6
25.5°	248.4	248.1	248.4	248.3	248.3	248.3
26°	247.1	246.7	247.1	247.0	246.9	246.9
26.5°	245.7	245.3	245.7	245.6	245.5	245.5
27°	244.3	244.0	244.3	244.2	244.1	244.1
27.5°	242.9	242.6	242.9	242.8	242.7	242.7
28°	241.4	241.1	241.4	241.4	241.3	241.3
28.5°	240.0	239.7	240.0	239.9	239.8	239.8
29°	238.5	238.2	238.5	238.5	238.4	238.4
29.5°	237.0	236.7	237.0	237.0	236.9	236.9
30°	235.5	235.2	235.5	235.5	235.4	235.4
30.5°	234.0	233.6	234.0	233.9	233.8	233.8
31°	232.4	232.1	232.4	232.3	232.3	232.3
31.5°	230.8	230.5	230.8	230.8	230.7	230.7
32°	229.2	228.9	229.2	229.1	229.1	229.1
32.5°	227.6	227.3	227.6	227.5	227.5	227.5
33°	226.0	225.7	226.0	225.9	225.9	225.9
33.5°	224.3	224.0	224.3	224.2	224.2	224.2
34°	222.6	222.2	222.6	222.5	222.4	222.5
34.5°	220.8	220.5	220.8	220.8	220.7	220.7
35°	219.1	218.8	219.1	219.0	218.9	218.9
35.5°	217.2	216.9	217.2	217.2	217.1	217.2
36°	215.4	215.1	215.4	215.4	215.3	215.3
36.5°	213.6	213.3	213.6	213.6	213.5	213.5
37°	211.8	211.5	211.8	211.7	211.6	211.6
37.5°	209.9	209.6	209.9	209.8	209.7	209.8
38°	208.0	207.7	208.0	208.0	207.8	207.9
38.5°	206.1	205.8	206.1	206.0	206.0	206.0
39°	204.1	203.9	204.1	204.1	204.0	204.1
39.5°	202.2	201.9	202.2	202.1	202.1	202.1
40°	200.2	199.9	200.2	200.2	200.1	200.1
40.5°	198.2	197.9	198.2	198.2	198.1	198.1
41°	196.2	195.9	196.2	196.2	196.1	196.1
41.5°	194.1	193.8	194.1	194.1	194.0	194.0
42°	192.2	191.9	192.2	192.1	192.1	192.1
42.5°	190.1	189.8	190.1	190.1	190.0	190.0
43°	188.0	187.7	188.0	188.0	187.9	188.0
43.5°	185.9	185.6	185.9	185.9	185.8	185.8



TEST NUMBER: P971885

CATALOG NUMBER: RLWZDZC4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	179.4	179.1	179.4	179.4	179.4	179.4
45.5°	177.2	176.9	177.2	177.2	177.2	177.2
46°	175.0	174.7	175.0	175.0	175.0	175.0
46.5°	172.8	172.6	172.8	172.8	172.8	172.8
47°	170.6	170.3	170.6	170.6	170.5	170.5
47.5°	168.3	168.0	168.3	168.3	168.3	168.3
48°	166.1	165.8	166.1	166.1	166.1	166.1
48.5°	163.8	163.5	163.8	163.8	163.8	163.8
49°	161.5	161.2	161.5	161.5	161.5	161.5
49.5°	159.2	158.9	159.2	159.2	159.2	159.2
50°	157.0	156.7	157.0	157.0	157.0	157.0
50.5°	154.6	154.3	154.6	154.6	154.6	154.6
51°	152.3	152.0	152.3	152.3	152.3	152.3
51.5°	149.9	149.7	149.9	150.0	149.9	149.9
52°	147.6	147.3	147.6	147.6	147.6	147.6
52.5°	145.2	144.9	145.2	145.2	145.2	145.2
53°	142.8	142.5	142.8	142.8	142.8	142.8
53.5°	140.4	140.1	140.4	140.4	140.4	140.4
54°	138.0	137.8	138.0	138.0	138.0	138.0
54.5°	135.5	135.3	135.5	135.6	135.6	135.6
55°	133.1	132.9	133.1	133.2	133.2	133.2
55.5°	130.7	130.5	130.7	130.7	130.7	130.7
56°	128.2	128.1	128.2	128.3	128.3	128.3
56.5°	125.8	125.6	125.8	125.8	125.9	125.8
57°	123.3	123.1	123.3	123.4	123.4	123.4
57.5°	120.9	120.8	120.9	121.0	121.0	121.0
58°	118.5	118.3	118.5	118.5	118.6	118.6
58.5°	116.0	115.8	116.0	116.1	116.1	116.1
59°	113.5	113.3	113.5	113.6	113.6	113.6
59.5°	111.0	110.9	111.0	111.1	111.1	111.1
60°	108.6	108.4	108.6	108.6	108.7	108.6
60.5°	106.1	105.9	106.1	106.1	106.2	106.2
61°	103.6	103.4	103.6	103.6	103.7	103.7
61.5°	101.1	100.9	101.1	101.1	101.2	101.2
62°	98.6	98.5	98.6	98.6	98.7	98.7
62.5°	96.1	95.9	96.1	96.2	96.2	96.2
63°	93.6	93.4	93.6	93.7	93.7	93.7
63.5°	91.1	91.0	91.1	91.2	91.2	91.2
64°	88.7	88.5	88.7	88.7	88.7	88.7
64.5°	86.3	86.1	86.3	86.3	86.3	86.4
65°	83.8	83.6	83.8	83.8	83.9	83.9
65.5°	81.3	81.1	81.3	81.4	81.4	81.4
66°	78.8	78.7	78.8	78.9	78.9	78.9



TEST NUMBER: P971885

CATALOG NUMBER: RLWZDZC4-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	71.4	71.3	71.4	71.4	71.5	71.5
68°	68.9	68.8	68.9	69.0	69.0	69.1
68.5°	66.5	66.3	66.5	66.5	66.6	66.6
69°	64.0	63.9	64.0	64.1	64.2	64.2
69.5°	61.6	61.4	61.6	61.6	61.7	61.7
70°	59.2	59.0	59.2	59.2	59.3	59.3
70.5°	56.7	56.6	56.7	56.8	56.9	56.9
71°	54.4	54.2	54.4	54.4	54.5	54.5
71.5°	52.1	51.9	52.1	52.1	52.2	52.2
72°	49.7	49.6	49.7	49.8	49.9	49.9
72.5°	47.4	47.2	47.4	47.4	47.5	47.5
73°	45.0	44.9	45.0	45.1	45.2	45.2
73.5°	42.7	42.6	42.7	42.8	42.9	42.9
74°	40.5	40.3	40.5	40.5	40.6	40.6
74.5°	38.2	38.2	38.2	38.3	38.4	38.4
75°	36.0	36.0	36.0	36.2	36.2	36.1
75.5°	33.8	33.8	33.8	34.0	34.0	34.0
76°	31.7	31.6	31.7	31.8	31.9	31.8
76.5°	29.6	29.5	29.6	29.7	29.8	29.9
77°	27.6	27.4	27.6	27.7	27.8	27.9
77.5°	25.6	25.5	25.6	25.7	25.8	25.9
78°	23.6	23.5	23.6	23.7	23.8	23.9
78.5°	21.7	21.6	21.7	21.8	21.9	21.9
79°	19.9	19.8	19.9	20.0	20.1	20.1
79.5°	18.1	18.0	18.1	18.2	18.3	18.3
80°	16.5	16.4	16.5	16.6	16.7	16.7
80.5°	14.9	14.8	14.9	15.0	15.1	15.1
81°	13.4	13.2	13.4	13.5	13.6	13.5
81.5°	11.9	11.7	11.9	12.0	12.1	12.1
82°	10.5	10.3	10.5	10.7	10.8	10.7
82.5°	9.3	9.1	9.3	9.4	9.5	9.4
83°	8.0	8.0	8.0	8.1	8.2	8.1
83.5°	6.9	6.9	6.9	7.0	7.1	6.9
84°	5.9	5.8	5.9	5.9	6.0	5.9
84.5°	4.9	4.8	4.9	5.0	5.1	5.0
85°	4.1	4.1	4.1	4.2	4.3	4.2
85.5°	3.5	3.4	3.5	3.6	3.5	3.5
86°	2.9	2.8	2.9	3.0	3.0	2.9
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: P971885
CATALOG NUMBER: RLWZDZC4-3500K

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



Report Generated By 670245859 / DESKTOP-T8S5UU9





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







21.5°	258.3	258.3	258.4	258.5	258.2	258.5	258.4	258.3	258.3	258.3	258.4
22°	257.1	257.1	257.3	257.4	257.0	257.4	257.3	257.1	257.1	257.1	257.3



44°	183.7	183.7	183.7	183.7	183.5	183.7	183.7	183.7	183.7	183.7	183.7
44.5°	181.6	181.6	181.6	181.6	181.3	181.6	181.6	181.6	181.6	181.6	181.6



66.5°	76.4	76.5	76.4	76.3	76.2	76.3	76.4	76.5	76.4	76.5	76.4
67°	74.0	74.0	73.9	73.9	73.7	73.9	73.9	74.0	74.0	74.0	73.9



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°	258.5	258.2	258.5	258.4	258.3	258.3
22°	257.4	257.0	257.4	257.3	257.1	257.1



44°	183.7	183.5	183.7	183.7	183.7	183.7
44.5°	181.6	181.3	181.6	181.6	181.6	181.6



66.5°	76.3	76.2	76.3	76.4	76.5	76.4
67°	73.9	73.7	73.9	73.9	74.0	74.0



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)