

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: P971906

Luminaire Tested: RLWZDZT56-6500K

Issue Date: 2/18/2025

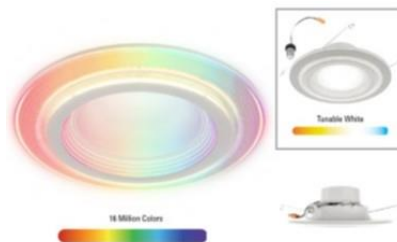
Test Information

Test Method: LM-79-2019
Report Number: P971906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2409311B001)
Test Lab:
Issue Date: 2/18/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: RLWZDZT56-6500K
Description: RLDZ5/6" Trim 1000lm, WiZ RGBW, 120V, WH, with NIGHTLIGHT
Light Source: WiZ RGBW CONTROLLED 90CRI / 6500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 970.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

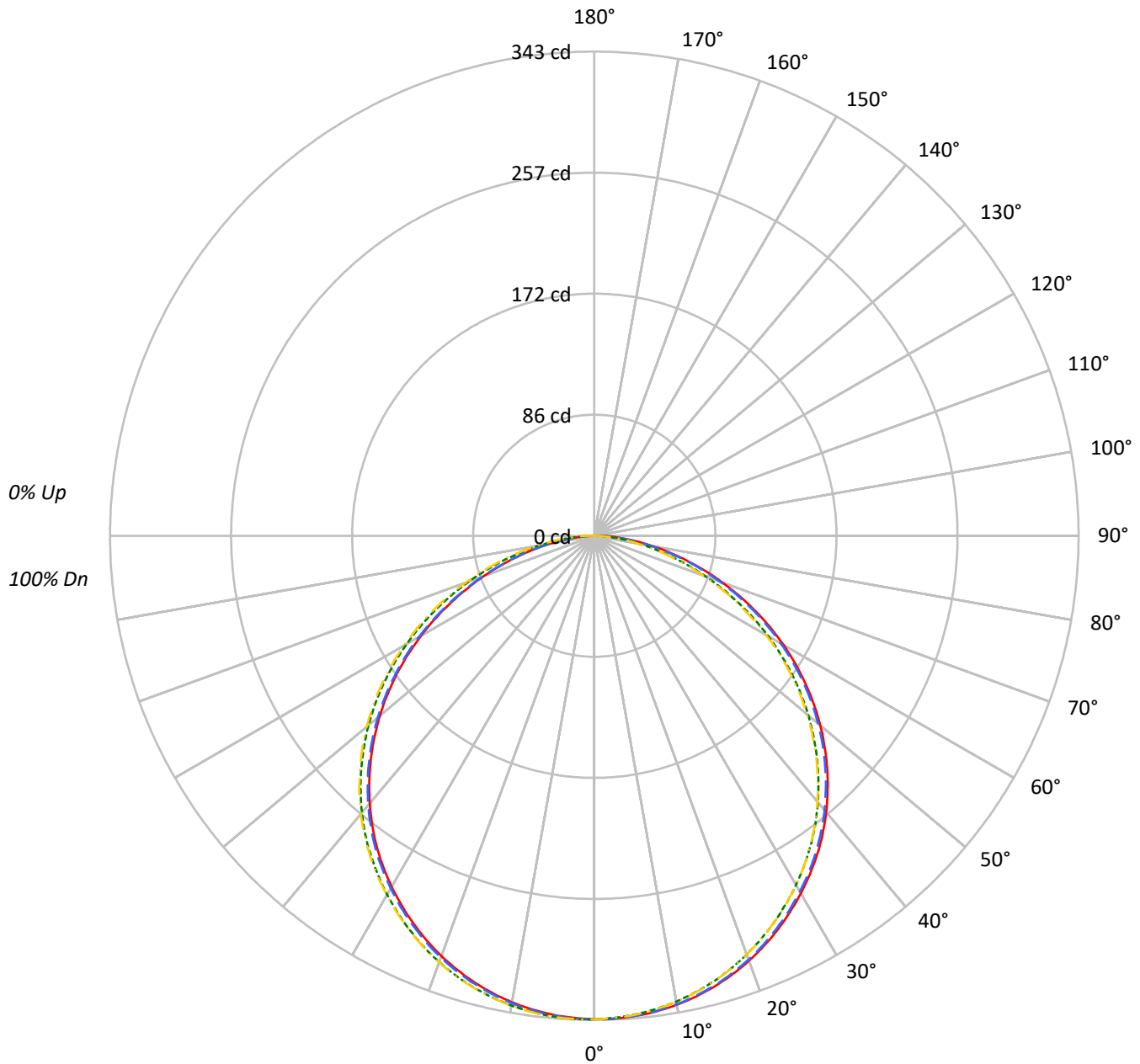
Input Watts (W): 9.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

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					0
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	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	82	77	85	80	75	82	78	74	79	75	72	70		
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59		
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43		
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38		
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	33		
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30		
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27		
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18781	18781	18781	18781
5°	18782	18727	18738	18804
10°	18776	18648	18681	18815
15°	18746	18547	18598	18791
20°	18686	18412	18482	18744
25°	18606	18255	18334	18666
30°	18522	18079	18174	18579
35°	18424	17895	17982	18477
40°	18284	17626	17705	18320
45°	18087	17289	17351	18087
50°	17825	16878	16903	17799
55°	17452	16324	16324	17395
60°	16972	15591	15536	16819
65°	16292	14645	14528	16072
70°	15419	13432	13287	15083
75°	14361	11882	11713	13852
80°	13196	10008	9787	12344
85°	12454	7611	7108	10944

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 89.5°

Luminance: 31410 cd/sqm



TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	3.3
10°-20°	92.9	9.6
20°-30°	140.7	14.5
30°-40°	170.0	17.5
40°-50°	176.1	18.2
50°-60°	157.7	16.3
60°-70°	117.4	12.1
70°-80°	65.0	6.7
80°-90°	17.8	1.8
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°	266.0	27.4
0°-40°	436.1	45.0
0°-60°	769.8	79.4
0°-90°	970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	343	343	343	343	343	
5°	341	340	340	342	341	32
15°	330	327	328	331	330	93
25°	308	302	303	309	308	142
35°	275	267	269	276	275	172
45°	233	223	224	233	233	180
55°	183	171	171	182	183	163
65°	126	113	112	124	126	124
75°	68	56	55	65	68	72
85°	20	12	11	17	20	23
90°	0	0	0	0	0	

TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	342.6	342.6	342.6	342.6	342.6	342.6	342.6	342.6	342.6	342.6	342.6
0.5°	342.5	342.5	342.6	342.8	342.4	342.4	342.5	342.5	342.4	342.5	342.6
1°	342.5	342.4	342.6	342.7	342.3	342.3	342.4	342.4	342.3	342.4	342.6
1.5°	342.4	342.4	342.5	342.7	342.1	342.1	342.2	342.3	342.2	342.3	342.5
2°	342.4	342.3	342.4	342.6	341.9	341.9	342.1	342.1	342.0	342.2	342.3
2.5°	342.3	342.1	342.3	342.4	341.7	341.6	341.8	341.9	341.8	342.0	342.2
3°	342.2	342.0	342.2	342.3	341.5	341.4	341.6	341.7	341.6	341.9	342.0
3.5°	342.0	341.8	342.0	342.1	341.2	341.2	341.3	341.5	341.3	341.7	341.8
4°	341.8	341.5	341.8	341.8	340.9	340.8	341.1	341.2	341.2	341.4	341.5
4.5°	341.6	341.3	341.5	341.5	340.6	340.5	340.8	341.0	340.9	341.2	341.2
5°	341.3	341.1	341.2	341.3	340.3	340.1	340.4	340.6	340.5	340.9	341.0
5.5°	341.1	340.8	341.0	341.0	339.8	339.7	340.0	340.2	340.2	340.6	340.7
6°	340.8	340.4	340.7	340.7	339.4	339.2	339.6	339.8	339.7	340.2	340.2
6.5°	340.5	340.1	340.3	340.3	338.9	338.7	339.1	339.4	339.3	339.8	339.8
7°	340.1	339.7	339.9	339.8	338.5	338.3	338.6	338.9	338.8	339.4	339.4
7.5°	339.7	339.2	339.4	339.4	338.0	337.7	338.1	338.5	338.4	338.9	339.0
8°	339.2	338.7	339.0	338.9	337.4	337.1	337.5	338.0	337.9	338.5	338.5
8.5°	338.8	338.3	338.5	338.5	336.8	336.5	337.0	337.4	337.4	338.0	338.0
9°	338.4	337.8	338.1	337.9	336.2	335.9	336.3	336.8	336.8	337.4	337.5
9.5°	337.9	337.3	337.5	337.3	335.7	335.3	335.8	336.2	336.2	336.9	336.9
10°	337.3	336.7	336.9	336.7	335.0	334.6	335.1	335.6	335.6	336.2	336.2
10.5°	336.7	336.1	336.3	336.1	334.3	333.9	334.4	335.0	334.9	335.7	335.6
11°	336.1	335.5	335.7	335.5	333.5	333.1	333.6	334.2	334.2	335.0	334.9
11.5°	335.5	334.8	335.1	334.8	332.9	332.4	333.0	333.5	333.5	334.3	334.2
12°	334.9	334.1	334.4	334.1	332.1	331.6	332.2	332.8	332.8	333.5	333.5
12.5°	334.2	333.4	333.6	333.3	331.2	330.7	331.3	332.1	332.0	332.9	332.8
13°	333.4	332.7	332.9	332.7	330.5	329.9	330.5	331.2	331.1	332.0	332.0
13.5°	332.7	331.9	332.2	331.8	329.5	329.0	329.7	330.4	330.4	331.2	331.2
14°	331.9	331.0	331.3	331.0	328.6	328.1	328.7	329.5	329.5	330.4	330.4
14.5°	331.1	330.3	330.5	330.2	327.7	327.2	327.8	328.6	328.5	329.6	329.5
15°	330.3	329.4	329.7	329.3	326.8	326.2	326.9	327.7	327.7	328.6	328.5
15.5°	329.4	328.4	328.8	328.3	325.8	325.2	325.9	326.7	326.7	327.8	327.7
16°	328.5	327.6	327.8	327.5	324.9	324.2	324.9	325.7	325.7	326.8	326.7
16.5°	327.7	326.6	326.9	326.5	323.7	323.1	323.8	324.8	324.7	325.8	325.7
17°	326.7	325.6	325.9	325.4	322.6	322.1	322.7	323.7	323.6	324.8	324.8
17.5°	325.7	324.6	324.9	324.5	321.6	320.9	321.7	322.6	322.5	323.8	323.6
18°	324.8	323.5	323.9	323.4	320.4	319.7	320.5	321.5	321.5	322.6	322.5
18.5°	323.6	322.4	322.7	322.4	319.3	318.5	319.4	320.3	320.3	321.6	321.5
19°	322.6	321.4	321.7	321.2	318.1	317.3	318.2	319.2	319.2	320.4	320.3
19.5°	321.5	320.3	320.6	320.0	316.9	316.1	317.0	318.0	318.0	319.3	319.1
20°	320.3	319.2	319.5	318.9	315.6	314.8	315.7	316.8	316.8	318.0	317.9
20.5°	319.3	318.0	318.3	317.7	314.3	313.6	314.4	315.5	315.5	316.9	316.7
21°	318.0	316.8	317.0	316.5	313.1	312.2	313.1	314.3	314.2	315.6	315.4



TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	314.3	313.0	313.3	312.6	309.0	308.2	309.0	310.3	310.2	311.6	311.5
23°	313.0	311.6	311.9	311.3	307.6	306.7	307.6	308.9	308.9	310.3	310.1
23.5°	311.7	310.3	310.7	309.9	306.2	305.3	306.2	307.5	307.4	308.9	308.7
24°	310.4	308.9	309.2	308.6	304.8	303.8	304.8	306.1	306.0	307.5	307.2
24.5°	308.9	307.6	307.9	307.2	303.4	302.4	303.3	304.5	304.5	306.1	305.8
25°	307.6	306.1	306.4	305.7	301.8	300.8	301.8	303.1	303.1	304.6	304.3
25.5°	306.2	304.7	305.0	304.2	300.3	299.3	300.3	301.6	301.5	303.2	302.8
26°	304.8	303.3	303.5	302.8	298.7	297.8	298.7	300.1	300.1	301.6	301.3
26.5°	303.3	301.7	302.0	301.3	297.2	296.2	297.2	298.4	298.5	300.1	299.8
27°	301.8	300.3	300.6	299.8	295.5	294.6	295.6	296.9	296.9	298.5	298.2
27.5°	300.4	298.7	299.0	298.2	294.0	292.9	294.0	295.4	295.4	297.0	296.7
28°	298.8	297.2	297.5	296.7	292.4	291.3	292.4	293.8	293.7	295.4	295.1
28.5°	297.3	295.6	295.9	295.2	290.7	289.7	290.7	292.1	292.1	293.8	293.4
29°	295.7	294.0	294.4	293.5	289.1	287.9	289.1	290.4	290.4	292.2	291.8
29.5°	294.1	292.5	292.7	291.9	287.3	286.3	287.3	288.8	288.8	290.5	290.1
30°	292.6	290.8	291.1	290.2	285.6	284.6	285.6	287.1	287.1	288.8	288.4
30.5°	290.9	289.1	289.5	288.5	283.9	282.7	283.9	285.3	285.3	287.1	286.7
31°	289.3	287.4	287.7	286.9	282.1	281.0	282.1	283.6	283.6	285.3	284.9
31.5°	287.5	285.8	286.1	285.1	280.4	279.2	280.3	281.9	281.9	283.6	283.2
32°	285.9	284.1	284.3	283.4	278.7	277.4	278.6	280.0	280.0	281.9	281.5
32.5°	284.2	282.3	282.5	281.7	276.7	275.5	276.6	278.3	278.2	280.0	279.6
33°	282.4	280.5	280.8	279.8	274.9	273.7	274.8	276.5	276.4	278.2	277.8
33.5°	280.7	278.7	279.1	278.1	273.1	271.8	272.9	274.6	274.5	276.4	276.0
34°	279.0	276.9	277.2	276.3	271.1	269.9	271.1	272.7	272.6	274.5	274.1
34.5°	277.1	275.1	275.4	274.3	269.2	268.0	269.1	270.8	270.7	272.6	272.2
35°	275.3	273.3	273.6	272.5	267.4	265.9	267.1	268.8	268.7	270.7	270.3
35.5°	273.5	271.3	271.7	270.7	265.4	263.9	265.2	266.8	266.7	268.6	268.3
36°	271.6	269.5	269.8	268.7	263.3	261.9	263.0	264.8	264.7	266.7	266.2
36.5°	269.7	267.6	267.9	266.8	261.3	259.9	261.0	262.7	262.6	264.7	264.2
37°	267.9	265.7	265.9	264.8	259.2	257.7	258.9	260.6	260.5	262.6	262.1
37.5°	265.8	263.6	263.9	262.8	257.2	255.5	256.8	258.5	258.4	260.5	260.0
38°	263.8	261.6	261.9	260.7	255.0	253.5	254.7	256.5	256.3	258.3	257.8
38.5°	261.8	259.6	259.9	258.7	252.8	251.3	252.4	254.3	254.0	256.2	255.7
39°	259.8	257.5	257.8	256.6	250.7	249.1	250.2	252.1	251.9	254.0	253.5
39.5°	257.6	255.3	255.7	254.5	248.5	246.8	248.0	249.7	249.6	251.8	251.3
40°	255.5	253.2	253.6	252.3	246.3	244.5	245.8	247.6	247.4	249.5	249.1
40.5°	253.4	251.1	251.5	250.1	244.1	242.2	243.5	245.3	245.1	247.3	246.8
41°	251.3	249.0	249.3	248.0	241.8	240.0	241.3	243.1	242.8	245.0	244.5
41.5°	249.1	246.8	247.1	245.7	239.5	237.7	238.9	240.7	240.6	242.8	242.2
42°	246.8	244.5	244.8	243.6	237.2	235.4	236.6	238.5	238.2	240.5	239.9
42.5°	244.6	242.3	242.7	241.3	234.9	233.0	234.2	236.0	235.9	238.2	237.6
43°	242.4	240.1	240.4	238.9	232.6	230.6	231.9	233.7	233.5	235.8	235.2
43.5°	240.2	237.8	238.1	236.7	230.3	228.2	229.5	231.4	231.0	233.3	232.9

TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	233.3	230.8	231.2	229.7	223.0	221.0	222.2	224.1	223.8	226.1	225.5
45.5°	230.8	228.4	228.9	227.4	220.6	218.5	219.8	221.7	221.3	223.7	223.1
46°	228.5	226.1	226.5	225.0	218.1	216.0	217.2	219.1	218.8	221.2	220.6
46.5°	226.2	223.7	224.1	222.5	215.7	213.5	214.6	216.7	216.4	218.7	218.1
47°	223.8	221.3	221.7	220.0	213.2	211.0	212.1	214.1	213.8	216.2	215.6
47.5°	221.3	218.8	219.3	217.6	210.6	208.5	209.6	211.7	211.3	213.7	213.2
48°	218.8	216.4	216.9	215.2	208.2	205.9	207.1	209.1	208.7	211.1	210.6
48.5°	216.4	213.9	214.4	212.7	205.6	203.4	204.4	206.4	206.1	208.5	208.0
49°	214.0	211.5	211.8	210.1	203.0	200.8	201.9	203.8	203.5	205.9	205.3
49.5°	211.5	208.9	209.3	207.6	200.4	198.1	199.2	201.1	200.9	203.3	202.8
50°	209.0	206.4	206.8	205.1	197.9	195.5	196.6	198.5	198.2	200.7	200.2
50.5°	206.4	203.8	204.3	202.6	195.2	192.9	193.9	195.9	195.5	198.0	197.5
51°	203.7	201.2	201.7	200.0	192.6	190.2	191.3	193.2	192.9	195.4	194.8
51.5°	201.2	198.6	199.1	197.4	190.0	187.5	188.6	190.5	190.2	192.8	192.1
52°	198.6	196.0	196.5	194.8	187.2	184.7	185.8	187.8	187.5	190.0	189.3
52.5°	196.0	193.4	193.9	192.1	184.5	182.1	183.1	185.1	184.7	187.2	186.6
53°	193.3	190.8	191.2	189.4	181.9	179.3	180.3	182.3	182.0	184.5	183.8
53.5°	190.7	188.1	188.6	186.9	179.1	176.5	177.6	179.5	179.2	181.8	181.1
54°	188.0	185.4	185.9	184.1	176.3	173.8	174.8	176.7	176.4	178.9	178.2
54.5°	185.3	182.7	183.2	181.4	173.6	171.0	172.0	174.0	173.6	176.1	175.4
55°	182.6	180.0	180.5	178.6	170.8	168.1	169.1	171.3	170.8	173.2	172.6
55.5°	179.9	177.3	177.7	175.9	168.0	165.3	166.3	168.4	167.9	170.5	169.7
56°	177.2	174.4	175.0	173.2	165.1	162.4	163.5	165.5	165.0	167.6	166.9
56.5°	174.4	171.8	172.3	170.4	162.3	159.6	160.6	162.7	162.1	164.7	164.0
57°	171.7	169.0	169.5	167.6	159.5	156.7	157.8	159.7	159.3	161.8	161.1
57.5°	168.9	166.2	166.7	164.8	156.6	153.8	154.9	156.9	156.4	159.0	158.2
58°	166.0	163.4	163.9	161.9	153.8	150.9	152.1	154.0	153.4	156.0	155.3
58.5°	163.2	160.5	161.0	159.2	150.9	148.0	149.1	151.0	150.5	153.1	152.4
59°	160.5	157.8	158.2	156.3	148.0	145.1	146.2	148.1	147.5	150.1	149.4
59.5°	157.6	155.0	155.3	153.5	145.0	142.2	143.2	145.2	144.6	147.2	146.5
60°	154.8	152.1	152.5	150.6	142.2	139.2	140.3	142.2	141.7	144.3	143.6
60.5°	151.9	149.2	149.7	147.7	139.3	136.3	137.4	139.2	138.8	141.4	140.6
61°	149.0	146.4	146.9	144.8	136.3	133.5	134.5	136.3	135.8	138.4	137.6
61.5°	146.1	143.5	144.0	141.8	133.5	130.6	131.5	133.5	132.9	135.4	134.6
62°	143.2	140.5	141.1	139.0	130.6	127.6	128.5	130.5	129.9	132.4	131.6
62.5°	140.3	137.7	138.1	136.1	127.6	124.6	125.6	127.4	126.9	129.4	128.6
63°	137.4	134.7	135.3	133.2	124.7	121.7	122.7	124.5	123.9	126.4	125.6
63.5°	134.5	131.8	132.4	130.3	121.7	118.7	119.8	121.6	120.9	123.4	122.7
64°	131.6	128.9	129.5	127.3	118.7	115.8	116.8	118.6	117.9	120.4	119.7
64.5°	128.6	126.0	126.5	124.4	115.8	112.9	113.8	115.6	114.9	117.4	116.7
65°	125.6	122.9	123.6	121.5	112.9	109.8	110.8	112.6	112.0	114.6	113.7
65.5°	122.7	120.1	120.6	118.4	109.9	106.8	107.9	109.6	109.0	111.5	110.7
66°	119.8	117.3	117.7	115.6	106.9	103.9	104.9	106.6	106.1	108.5	107.7

TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	111.0	108.4	109.0	106.7	98.2	95.3	96.1	97.9	97.2	99.6	98.7
68°	108.0	105.4	106.1	103.9	95.3	92.3	93.1	95.0	94.3	96.6	95.8
68.5°	105.1	102.5	103.1	100.9	92.4	89.5	90.4	92.1	91.4	93.8	92.8
69°	102.2	99.5	100.1	98.0	89.5	86.6	87.5	89.2	88.5	90.8	89.8
69.5°	99.1	96.7	97.3	95.1	86.6	83.8	84.7	86.4	85.7	87.9	86.9
70°	96.2	93.8	94.3	92.2	83.8	81.0	81.9	83.5	82.9	85.0	84.0
70.5°	93.4	90.9	91.5	89.2	81.0	78.1	79.1	80.7	80.0	82.3	81.1
71°	90.5	87.8	88.5	86.4	78.1	75.3	76.3	77.8	77.2	79.4	78.3
71.5°	87.6	85.1	85.6	83.5	75.3	72.5	73.5	75.0	74.4	76.5	75.4
72°	84.8	82.3	82.8	80.6	72.5	69.7	70.7	72.4	71.5	73.7	72.5
72.5°	81.9	79.5	79.9	77.7	69.7	67.0	68.0	69.6	68.8	70.9	69.7
73°	79.1	76.7	77.1	74.9	66.9	64.2	65.2	66.9	66.1	68.0	66.9
73.5°	76.2	73.9	74.3	72.1	64.1	61.5	62.6	64.2	63.4	65.3	64.1
74°	73.4	71.1	71.5	69.3	61.5	58.9	59.9	61.5	60.7	62.5	61.3
74.5°	70.6	68.2	68.8	66.6	58.8	56.3	57.2	58.8	58.0	59.8	58.6
75°	67.8	65.5	66.0	63.8	56.1	53.6	54.6	56.2	55.3	57.1	55.9
75.5°	65.1	62.7	63.3	61.1	53.5	51.0	52.0	53.6	52.7	54.4	53.3
76°	62.4	60.1	60.6	58.4	50.9	48.5	49.5	51.1	50.1	51.9	50.7
76.5°	59.7	57.4	57.9	55.8	48.4	46.0	47.1	48.5	47.6	49.3	48.2
77°	57.0	54.7	55.3	53.2	46.0	43.6	44.5	46.1	45.1	46.8	45.6
77.5°	54.3	52.1	52.6	50.6	43.5	41.2	42.1	43.6	42.6	44.2	43.1
78°	51.8	49.6	49.9	48.1	41.0	38.8	39.7	41.2	40.2	41.8	40.7
78.5°	49.3	47.1	47.4	45.6	38.7	36.4	37.3	38.8	37.8	39.2	38.2
79°	46.7	44.5	45.0	43.2	36.3	34.1	35.0	36.4	35.5	36.9	35.9
79.5°	44.2	42.0	42.5	40.8	33.9	31.8	32.7	34.1	33.2	34.6	33.6
80°	41.8	39.6	40.1	38.4	31.7	29.7	30.6	31.8	31.0	32.3	31.2
80.5°	39.3	37.2	37.6	36.0	29.6	27.5	28.3	29.6	28.6	30.0	29.0
81°	36.9	34.7	35.2	33.8	27.4	25.4	26.2	27.4	26.5	27.8	26.9
81.5°	35.0	32.6	33.0	31.6	25.3	23.3	24.1	25.3	24.4	25.7	24.8
82°	32.7	30.4	30.9	29.5	23.2	21.4	22.1	23.2	22.4	23.6	22.7
82.5°	30.5	28.3	28.7	27.3	21.2	19.4	20.1	21.2	20.4	21.6	20.7
83°	28.3	26.1	26.6	25.2	19.3	17.5	18.2	19.3	18.4	19.6	18.8
83.5°	25.9	24.0	24.4	23.0	17.5	15.7	16.4	17.4	16.5	17.6	16.9
84°	23.8	22.0	22.4	21.0	15.6	14.0	14.6	15.5	14.8	15.8	15.0
84.5°	21.8	20.0	20.4	19.1	13.9	12.2	12.7	13.7	12.9	14.0	13.3
85°	19.8	18.0	18.4	17.2	12.1	10.8	11.1	12.0	11.3	12.3	11.6
85.5°	17.8	16.2	16.6	15.4	10.7	9.4	9.7	10.5	9.9	10.8	10.1
86°	16.0	14.4	14.8	13.6	9.3	7.9	8.4	9.2	8.5	9.4	8.8
86.5°	14.2	12.6	13.0	12.0	7.9	6.5	6.9	7.7	7.0	7.9	7.3
87°	12.4	11.0	11.3	10.3	6.5	5.0	5.6	6.3	5.7	6.5	5.9
87.5°	10.7	9.4	9.8	8.8	5.0	3.9	4.2	4.8	4.2	5.0	4.5
88°	9.2	7.9	8.3	7.3	3.9	2.9	3.2	3.7	3.2	3.9	3.5
88.5°	7.7	6.6	6.8	6.1	2.9	2.1	2.3	2.7	2.4	2.9	2.5



TEST NUMBER: P971906
CATALOG NUMBER: RLWZDZT56-6500K

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: P971906

CATALOG NUMBER: RLWZDZT56-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	342.6	342.6	342.6	342.6	342.6	342.6
0.5°	342.8	342.6	342.6	342.7	342.6	342.5
1°	342.8	342.6	342.7	342.7	342.6	342.5
1.5°	342.7	342.6	342.7	342.7	342.6	342.4
2°	342.6	342.6	342.7	342.7	342.5	342.4
2.5°	342.4	342.5	342.7	342.6	342.4	342.3
3°	342.3	342.4	342.6	342.5	342.3	342.2
3.5°	342.1	342.3	342.5	342.4	342.1	342.0
4°	341.8	342.1	342.3	342.3	342.0	341.8
4.5°	341.5	341.9	342.1	342.1	341.7	341.6
5°	341.2	341.7	342.0	341.8	341.5	341.3
5.5°	341.0	341.5	341.7	341.6	341.2	341.1
6°	340.6	341.2	341.5	341.3	341.0	340.8
6.5°	340.2	340.9	341.2	341.1	340.6	340.5
7°	339.8	340.6	340.9	340.8	340.3	340.1
7.5°	339.4	340.2	340.6	340.4	339.9	339.7
8°	338.9	339.8	340.2	340.0	339.5	339.2
8.5°	338.4	339.4	339.8	339.5	339.0	338.8
9°	337.9	338.9	339.3	339.1	338.5	338.4
9.5°	337.3	338.5	338.8	338.6	338.0	337.9
10°	336.7	338.0	338.4	338.1	337.5	337.3
10.5°	336.0	337.4	337.9	337.6	336.9	336.7
11°	335.4	336.8	337.3	337.0	336.3	336.1
11.5°	334.8	336.2	336.7	336.4	335.7	335.5
12°	334.0	335.6	336.1	335.8	335.0	334.9
12.5°	333.2	334.9	335.5	335.1	334.3	334.2
13°	332.6	334.2	334.8	334.3	333.6	333.4
13.5°	331.7	333.4	334.0	333.6	332.9	332.7
14°	330.9	332.7	333.2	332.9	332.1	331.9
14.5°	330.1	331.9	332.6	332.1	331.2	331.1
15°	329.2	331.1	331.7	331.3	330.5	330.3
15.5°	328.2	330.3	330.9	330.5	329.6	329.4
16°	327.3	329.4	330.1	329.6	328.6	328.5
16.5°	326.3	328.5	329.2	328.7	327.8	327.7
17°	325.3	327.6	328.3	327.8	326.9	326.7
17.5°	324.3	326.6	327.4	326.8	325.8	325.7
18°	323.2	325.6	326.4	325.8	324.9	324.8
18.5°	322.1	324.6	325.3	324.9	323.8	323.6
19°	321.0	323.5	324.4	323.8	322.7	322.6
19.5°	319.7	322.4	323.3	322.6	321.7	321.5
20°	318.6	321.3	322.3	321.6	320.5	320.3
20.5°	317.4	320.2	321.1	320.5	319.4	319.3
21°	316.1	319.1	319.9	319.3	318.1	318.0



TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	312.2	315.4	316.4	315.7	314.4	314.3
23°	310.9	314.1	315.0	314.3	313.2	313.0
23.5°	309.4	312.8	313.8	313.1	311.8	311.7
24°	308.0	311.5	312.5	311.6	310.5	310.4
24.5°	306.5	309.9	311.2	310.4	309.1	308.9
25°	305.1	308.6	309.7	309.0	307.7	307.6
25.5°	303.6	307.2	308.4	307.6	306.3	306.2
26°	302.1	305.8	306.8	306.2	304.9	304.8
26.5°	300.7	304.3	305.5	304.8	303.4	303.3
27°	299.1	302.8	304.0	303.4	301.9	301.8
27.5°	297.6	301.3	302.6	301.8	300.5	300.4
28°	296.0	299.8	301.0	300.3	298.9	298.8
28.5°	294.3	298.2	299.5	298.7	297.4	297.3
29°	292.7	296.7	298.0	297.2	295.8	295.7
29.5°	291.0	295.1	296.4	295.6	294.3	294.1
30°	289.4	293.5	294.9	294.0	292.7	292.6
30.5°	287.6	291.8	293.2	292.4	291.0	290.9
31°	285.9	290.1	291.6	290.7	289.4	289.3
31.5°	284.2	288.5	290.0	289.1	287.7	287.5
32°	282.4	286.8	288.3	287.4	286.0	285.9
32.5°	280.7	285.0	286.6	285.7	284.3	284.2
33°	278.8	283.3	284.8	284.1	282.5	282.4
33.5°	276.9	281.6	283.1	282.2	280.8	280.7
34°	275.1	279.8	281.4	280.5	279.1	279.0
34.5°	273.3	277.9	279.6	278.7	277.2	277.1
35°	271.3	276.1	277.7	276.9	275.4	275.3
35.5°	269.3	274.2	276.0	275.0	273.6	273.5
36°	267.4	272.4	274.0	273.3	271.7	271.6
36.5°	265.4	270.5	272.1	271.3	269.8	269.7
37°	263.2	268.4	270.2	269.4	267.9	267.9
37.5°	261.2	266.5	268.3	267.5	265.8	265.8
38°	259.1	264.4	266.3	265.5	263.9	263.8
38.5°	257.0	262.4	264.3	263.4	261.8	261.8
39°	254.8	260.3	262.3	261.4	259.8	259.8
39.5°	252.6	258.2	260.2	259.4	257.7	257.6
40°	250.3	256.0	258.0	257.3	255.6	255.5
40.5°	248.1	253.9	255.8	255.0	253.5	253.4
41°	245.9	251.7	253.7	252.9	251.3	251.3
41.5°	243.6	249.5	251.5	250.7	249.1	249.1
42°	241.3	247.1	249.4	248.5	246.8	246.8
42.5°	238.9	245.0	247.1	246.3	244.6	244.6
43°	236.7	242.7	244.9	244.1	242.4	242.4
43.5°	234.3	240.4	242.6	241.7	240.1	240.2



TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	227.1	233.3	235.7	234.9	233.2	233.3
45.5°	224.7	230.9	233.3	232.5	230.8	230.8
46°	222.1	228.6	230.9	230.1	228.4	228.5
46.5°	219.7	226.1	228.5	227.8	226.1	226.2
47°	217.2	223.7	226.1	225.3	223.7	223.8
47.5°	214.6	221.2	223.7	222.9	221.3	221.3
48°	212.1	218.8	221.2	220.4	218.8	218.8
48.5°	209.5	216.2	218.7	217.9	216.3	216.4
49°	206.9	213.8	216.3	215.5	213.8	214.0
49.5°	204.3	211.3	213.8	213.0	211.3	211.5
50°	201.7	208.7	211.2	210.5	208.8	209.0
50.5°	199.1	206.1	208.6	207.9	206.2	206.4
51°	196.4	203.5	206.0	205.3	203.6	203.7
51.5°	193.7	200.9	203.5	202.7	201.0	201.2
52°	191.0	198.2	200.8	200.1	198.3	198.6
52.5°	188.3	195.6	198.2	197.5	195.7	196.0
53°	185.5	192.9	195.5	194.8	193.1	193.3
53.5°	182.7	190.2	192.9	192.1	190.4	190.7
54°	180.0	187.4	190.2	189.4	187.7	188.0
54.5°	177.2	184.7	187.5	186.7	185.0	185.3
55°	174.3	182.0	184.7	184.0	182.3	182.6
55.5°	171.5	179.2	182.0	181.3	179.5	179.9
56°	168.7	176.3	179.2	178.5	176.8	177.2
56.5°	165.9	173.6	176.4	175.7	174.0	174.4
57°	163.0	170.7	173.6	172.9	171.3	171.7
57.5°	160.0	167.9	170.8	170.1	168.5	168.9
58°	157.1	165.1	167.9	167.2	165.7	166.0
58.5°	154.2	162.2	165.1	164.4	162.8	163.2
59°	151.3	159.2	162.3	161.6	159.9	160.5
59.5°	148.3	156.3	159.4	158.7	157.0	157.6
60°	145.4	153.4	156.4	155.8	154.2	154.8
60.5°	142.4	150.5	153.6	152.9	151.3	151.9
61°	139.5	147.5	150.7	150.0	148.4	149.0
61.5°	136.4	144.6	147.8	147.1	145.5	146.1
62°	133.5	141.7	144.9	144.3	142.6	143.2
62.5°	130.6	138.8	141.9	141.4	139.7	140.3
63°	127.5	135.9	138.9	138.4	136.7	137.4
63.5°	124.6	132.9	136.1	135.4	133.7	134.5
64°	121.5	129.8	133.1	132.5	130.8	131.6
64.5°	118.5	126.9	130.1	129.5	127.9	128.6
65°	115.5	123.9	127.2	126.6	125.0	125.6
65.5°	112.5	121.0	124.2	123.6	122.0	122.7
66°	109.5	117.9	121.2	120.6	119.1	119.8



TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	100.6	109.0	112.2	111.8	110.1	111.0
68°	97.6	106.0	109.3	108.8	107.2	108.0
68.5°	94.7	103.0	106.4	105.8	104.2	105.1
69°	91.7	100.0	103.4	102.8	101.2	102.2
69.5°	88.8	97.1	100.4	99.9	98.4	99.1
70°	85.8	94.1	97.5	97.0	95.5	96.2
70.5°	82.9	91.2	94.6	94.0	92.6	93.4
71°	80.0	88.2	91.5	91.1	89.6	90.5
71.5°	77.1	85.3	88.6	88.2	86.7	87.6
72°	74.2	82.3	85.7	85.3	83.8	84.8
72.5°	71.5	79.6	82.8	82.3	81.0	81.9
73°	68.6	76.6	79.9	79.6	78.1	79.1
73.5°	65.8	73.8	77.0	76.7	75.3	76.2
74°	63.0	70.9	74.2	73.9	72.4	73.4
74.5°	60.3	68.1	71.5	71.0	69.7	70.6
75°	57.6	65.4	68.7	68.3	67.0	67.8
75.5°	54.9	62.6	65.8	65.5	64.2	65.1
76°	52.3	59.8	63.1	62.7	61.5	62.4
76.5°	49.7	57.1	60.3	59.9	58.8	59.7
77°	47.1	54.4	57.6	57.3	56.2	57.0
77.5°	44.5	51.8	54.9	54.6	53.6	54.3
78°	42.0	49.2	52.3	52.1	50.9	51.8
78.5°	39.6	46.6	49.7	49.5	48.4	49.3
79°	37.2	44.1	47.1	46.9	45.9	46.7
79.5°	34.8	41.6	44.5	44.3	43.5	44.2
80°	32.6	39.1	41.9	41.8	41.0	41.8
80.5°	30.3	36.7	39.4	39.3	38.5	39.3
81°	28.1	34.3	37.0	37.0	36.3	36.9
81.5°	25.8	31.9	34.9	35.0	34.0	35.0
82°	23.8	29.8	32.6	32.7	31.8	32.7
82.5°	21.8	27.7	30.4	30.4	29.6	30.5
83°	19.8	25.6	28.1	28.1	27.4	28.3
83.5°	17.8	23.4	25.7	25.7	25.2	25.9
84°	15.9	21.3	23.6	23.7	23.0	23.8
84.5°	14.1	19.3	21.5	21.6	21.0	21.8
85°	12.3	17.4	19.6	19.7	19.1	19.8
85.5°	10.9	15.5	17.6	17.6	17.2	17.8
86°	9.4	13.7	15.7	15.8	15.2	16.0
86.5°	8.0	12.0	13.8	14.0	13.4	14.2
87°	6.6	10.3	12.1	12.1	11.8	12.4
87.5°	5.0	8.8	10.5	10.5	10.1	10.7
88°	3.9	7.3	9.0	9.0	8.6	9.2
88.5°	2.9	6.0	7.4	7.5	7.1	7.7



TEST NUMBER: P971906

CATALOG NUMBER: RLWZDZT56-6500K

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°	316.8	315.5	315.9	315.2	311.7	310.9	311.8	313.0	312.9	314.3	314.2
22°	315.6	314.3	314.5	314.0	310.4	309.5	310.5	311.6	311.6	313.0	312.8



44°	237.9	235.5	235.9	234.4	227.9	225.8	227.1	229.0	228.7	231.0	230.5
44.5°	235.6	233.2	233.5	232.1	225.4	223.4	224.7	226.5	226.2	228.5	227.9



66.5°	116.9	114.3	114.8	112.6	104.0	101.1	102.0	103.8	103.1	105.6	104.7
67°	113.9	111.2	111.9	109.7	101.2	98.2	99.0	100.9	100.2	102.6	101.7



89°	6.4	5.3	5.6	4.8	2.1	1.5	1.7	2.0	1.7	2.1	1.8
89.5°	5.0	4.1	4.3	3.7	1.5	1.0	1.2	1.3	1.1	1.4	1.3





21.5°	314.8	317.9	318.8	318.1	317.0	316.8
22°	313.6	316.6	317.6	316.9	315.7	315.6



44°	231.9	238.1	240.3	239.5	237.9	237.9
44.5°	229.5	235.8	238.0	237.2	235.6	235.6



66.5°	106.6	114.9	118.2	117.6	116.1	116.9
67°	103.6	111.9	115.2	114.7	113.1	113.9



89°	2.1	4.7	6.2	6.2	5.8	6.4
89.5°	1.4	3.6	4.8	4.8	4.5	5.0



(END OF REPORT)