

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: P971901

Luminaire Tested: RLWZDZT56-2700K

Issue Date: 2/18/2025

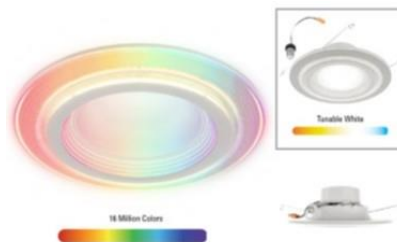
Test Information

Test Method: LM-79-2019
Report Number: P971901
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: RLWZDZT56-2700K
Description: RLDZ5/6" Trim 1000lm, WiZ RGBW, 120V, WH, with NIGHTLIGHT
Light Source: WiZ RGBW CONTROLLED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

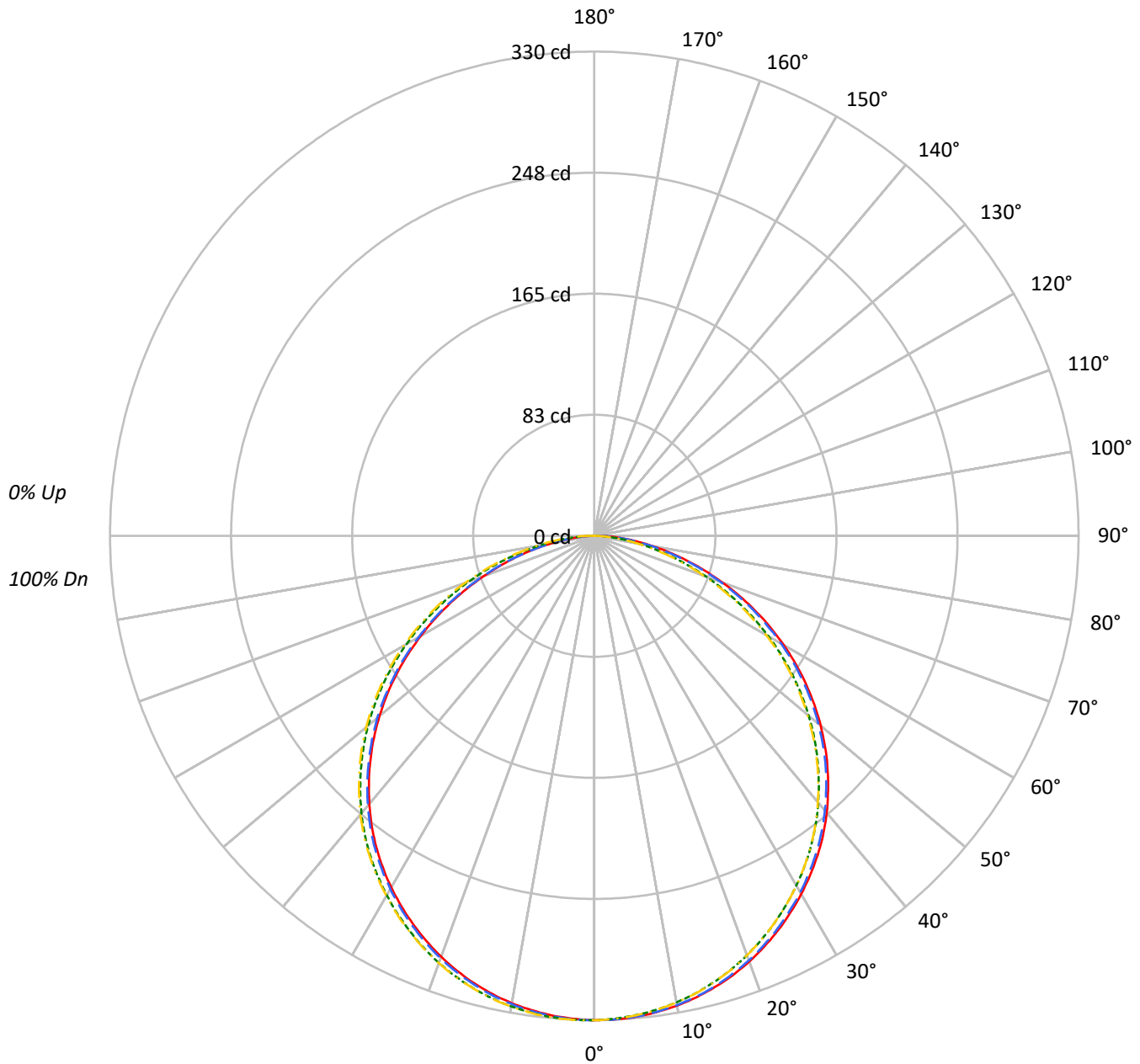
Lumens per Lamp: N/A
Luminaire Lumens: 935.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.6
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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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	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°	18102	18102	18102	18102
5°	18105	18050	18061	18127
10°	18097	17975	18008	18136
15°	18065	17878	17923	18116
20°	18015	17747	17811	18067
25°	17935	17596	17668	17989
30°	17851	17427	17515	17908
35°	17761	17246	17333	17808
40°	17626	16989	17068	17662
45°	17428	16668	16723	17436
50°	17176	16264	16289	17151
55°	16821	15732	15732	16764
60°	16358	15032	14977	16216
65°	15709	14113	14009	15488
70°	14874	12951	12807	14538
75°	13831	11459	11311	13344
80°	12691	9660	9408	11870
85°	12014	7359	6856	10504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 89.5°

Luminance: 30154 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	3.3
10°-20°	89.5	9.6
20°-30°	135.7	14.5
30°-40°	163.9	17.5
40°-50°	169.8	18.2
50°-60°	152.0	16.3
60°-70°	113.1	12.1
70°-80°	62.7	6.7
80°-90°	17.2	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°	256.4	27.4
0°-40°	420.3	45.0
0°-60°	742.0	79.4
0°-90°	935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	935.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	330	330	330	330	330	
5°	329	328	328	329	329	31
15°	318	315	316	319	318	90
25°	296	291	292	297	296	137
35°	265	258	259	266	265	166
45°	225	215	216	225	225	173
55°	176	165	165	175	176	157
65°	121	109	108	119	121	120
75°	65	54	53	63	65	69
85°	19	12	11	17	19	22
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°	330.2	330.2	330.2	330.2	330.2	330.2	330.2	330.2	330.2	330.2	330.2
0.5°	330.1	330.1	330.2	330.4	330.1	330.1	330.1	330.1	330.1	330.1	330.2
1°	330.1	330.1	330.2	330.3	330.0	330.0	330.1	330.1	330.0	330.1	330.2
1.5°	330.1	330.1	330.1	330.3	329.8	329.8	329.9	330.0	329.9	330.0	330.1
2°	330.1	330.0	330.1	330.2	329.6	329.6	329.8	329.8	329.7	329.9	330.0
2.5°	330.0	329.8	330.0	330.1	329.4	329.3	329.5	329.6	329.5	329.7	329.9
3°	329.9	329.7	329.9	330.0	329.2	329.1	329.3	329.4	329.3	329.6	329.7
3.5°	329.7	329.5	329.7	329.8	328.8	328.8	329.0	329.2	329.0	329.4	329.5
4°	329.5	329.2	329.5	329.5	328.6	328.5	328.8	328.9	328.8	329.1	329.2
4.5°	329.3	329.0	329.2	329.2	328.3	328.2	328.5	328.7	328.6	328.8	328.9
5°	329.0	328.8	328.9	329.0	328.0	327.8	328.1	328.3	328.2	328.6	328.7
5.5°	328.8	328.5	328.7	328.7	327.5	327.4	327.7	327.9	327.9	328.3	328.4
6°	328.5	328.1	328.4	328.4	327.2	327.0	327.4	327.5	327.4	327.9	327.9
6.5°	328.2	327.8	328.0	328.0	326.7	326.5	326.9	327.2	327.1	327.5	327.5
7°	327.8	327.4	327.6	327.5	326.2	326.1	326.4	326.7	326.6	327.2	327.2
7.5°	327.4	327.0	327.2	327.2	325.8	325.5	325.9	326.2	326.1	326.7	326.8
8°	327.0	326.5	326.8	326.7	325.2	324.9	325.3	325.8	325.7	326.2	326.2
8.5°	326.6	326.1	326.3	326.2	324.7	324.4	324.8	325.2	325.2	325.8	325.8
9°	326.1	325.6	325.9	325.7	324.1	323.8	324.2	324.7	324.7	325.2	325.3
9.5°	325.7	325.1	325.3	325.1	323.5	323.2	323.6	324.1	324.1	324.8	324.8
10°	325.1	324.6	324.8	324.6	322.9	322.5	323.0	323.5	323.5	324.1	324.1
10.5°	324.6	324.0	324.2	324.0	322.2	321.9	322.3	322.9	322.8	323.5	323.5
11°	324.0	323.4	323.5	323.4	321.5	321.1	321.6	322.2	322.2	322.9	322.8
11.5°	323.4	322.7	323.0	322.7	320.9	320.4	320.9	321.5	321.5	322.2	322.2
12°	322.8	322.1	322.3	322.1	320.1	319.6	320.2	320.8	320.8	321.5	321.5
12.5°	322.2	321.4	321.6	321.3	319.3	318.8	319.4	320.1	320.0	320.9	320.8
13°	321.4	320.7	320.9	320.7	318.5	318.0	318.6	319.3	319.2	320.0	320.0
13.5°	320.7	319.9	320.2	319.8	317.6	317.1	317.8	318.4	318.4	319.3	319.3
14°	319.9	319.1	319.4	319.1	316.8	316.3	316.9	317.6	317.6	318.4	318.4
14.5°	319.2	318.3	318.6	318.2	315.8	315.4	316.0	316.8	316.7	317.7	317.6
15°	318.3	317.5	317.8	317.4	315.0	314.4	315.1	315.8	315.8	316.8	316.7
15.5°	317.5	316.6	316.9	316.5	314.1	313.5	314.2	314.9	314.9	315.9	315.8
16°	316.7	315.7	316.0	315.6	313.1	312.5	313.1	314.0	314.0	315.0	314.9
16.5°	315.8	314.8	315.1	314.7	312.0	311.5	312.1	313.0	312.9	314.1	314.0
17°	314.9	313.9	314.2	313.7	311.0	310.4	311.1	312.0	311.9	313.0	313.0
17.5°	314.0	312.9	313.1	312.8	310.0	309.3	310.1	311.0	310.9	312.1	311.9
18°	313.0	311.8	312.2	311.7	308.9	308.2	309.0	309.9	309.9	311.0	310.9
18.5°	311.9	310.8	311.1	310.7	307.7	307.0	307.8	308.8	308.8	310.0	309.9
19°	311.0	309.8	310.1	309.6	306.6	305.9	306.7	307.7	307.7	308.9	308.8
19.5°	309.9	308.8	309.0	308.5	305.4	304.7	305.5	306.5	306.5	307.7	307.6
20°	308.8	307.7	307.9	307.4	304.2	303.5	304.3	305.3	305.3	306.5	306.4
20.5°	307.7	306.5	306.8	306.3	303.0	302.3	303.1	304.1	304.1	305.4	305.2
21°	306.5	305.3	305.6	305.0	301.8	301.0	301.8	302.9	302.8	304.2	304.0



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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°	303.0	301.7	302.0	301.3	297.9	297.1	297.9	299.1	299.0	300.4	300.2
23°	301.7	300.4	300.7	300.0	296.5	295.7	296.5	297.7	297.7	299.1	298.9
23.5°	300.5	299.1	299.5	298.7	295.2	294.3	295.1	296.4	296.3	297.8	297.5
24°	299.2	297.8	298.1	297.4	293.8	292.9	293.8	295.0	294.9	296.4	296.1
24.5°	297.8	296.5	296.8	296.1	292.4	291.5	292.3	293.5	293.5	295.0	294.7
25°	296.5	295.0	295.4	294.6	290.9	290.0	290.9	292.1	292.1	293.6	293.3
25.5°	295.2	293.7	294.0	293.2	289.4	288.5	289.4	290.7	290.6	292.2	291.9
26°	293.8	292.3	292.6	291.9	287.9	287.0	287.9	289.2	289.2	290.7	290.5
26.5°	292.3	290.8	291.1	290.5	286.5	285.5	286.5	287.7	287.8	289.2	289.0
27°	290.9	289.4	289.7	289.0	284.9	284.0	285.0	286.2	286.2	287.8	287.5
27.5°	289.5	287.9	288.2	287.5	283.4	282.4	283.4	284.7	284.7	286.3	286.0
28°	288.0	286.5	286.7	286.0	281.8	280.8	281.8	283.2	283.1	284.8	284.4
28.5°	286.6	285.0	285.3	284.5	280.2	279.2	280.2	281.5	281.5	283.2	282.8
29°	285.1	283.4	283.8	282.9	278.7	277.5	278.7	280.0	280.0	281.6	281.3
29.5°	283.5	281.9	282.2	281.3	277.0	276.0	277.0	278.4	278.4	280.0	279.7
30°	282.0	280.3	280.6	279.8	275.3	274.3	275.3	276.7	276.7	278.4	278.0
30.5°	280.4	278.7	279.0	278.1	273.6	272.5	273.6	275.0	275.0	276.7	276.3
31°	278.8	277.1	277.4	276.5	272.0	270.8	272.0	273.4	273.4	275.0	274.7
31.5°	277.2	275.5	275.8	274.8	270.3	269.2	270.2	271.7	271.7	273.4	273.0
32°	275.6	273.8	274.0	273.2	268.6	267.4	268.5	269.9	269.9	271.7	271.3
32.5°	273.9	272.1	272.3	271.5	266.8	265.5	266.7	268.2	268.1	269.9	269.5
33°	272.2	270.4	270.7	269.7	265.0	263.8	264.9	266.5	266.4	268.1	267.8
33.5°	270.6	268.6	269.0	268.1	263.2	262.0	263.0	264.7	264.6	266.4	266.0
34°	268.9	266.9	267.2	266.3	261.4	260.2	261.3	262.9	262.8	264.6	264.2
34.5°	267.1	265.2	265.5	264.4	259.5	258.3	259.4	261.0	260.9	262.8	262.4
35°	265.4	263.4	263.7	262.7	257.7	256.3	257.5	259.1	259.0	260.9	260.5
35.5°	263.6	261.6	261.9	260.9	255.8	254.4	255.6	257.2	257.1	258.9	258.6
36°	261.8	259.8	260.1	259.0	253.8	252.4	253.6	255.2	255.1	257.1	256.6
36.5°	260.0	257.9	258.2	257.2	251.9	250.5	251.6	253.2	253.1	255.1	254.7
37°	258.2	256.1	256.3	255.2	249.8	248.4	249.6	251.2	251.1	253.1	252.6
37.5°	256.3	254.1	254.4	253.3	247.9	246.3	247.5	249.2	249.1	251.1	250.6
38°	254.3	252.2	252.4	251.3	245.8	244.4	245.5	247.2	247.1	249.0	248.5
38.5°	252.3	250.2	250.5	249.4	243.7	242.2	243.3	245.1	244.8	247.0	246.5
39°	250.4	248.2	248.5	247.3	241.7	240.1	241.2	243.0	242.8	244.8	244.4
39.5°	248.4	246.1	246.5	245.3	239.5	237.9	239.1	240.7	240.6	242.7	242.2
40°	246.3	244.1	244.4	243.2	237.4	235.7	236.9	238.7	238.5	240.5	240.1
40.5°	244.3	242.0	242.4	241.1	235.2	233.5	234.7	236.5	236.3	238.4	237.8
41°	242.2	240.0	240.3	239.1	233.1	231.3	232.6	234.3	234.0	236.2	235.7
41.5°	240.1	237.8	238.2	236.8	230.9	229.1	230.3	232.0	231.9	234.0	233.5
42°	237.9	235.7	236.0	234.8	228.6	226.9	228.1	229.9	229.6	231.8	231.3
42.5°	235.8	233.6	233.9	232.6	226.4	224.6	225.8	227.5	227.3	229.6	229.0
43°	233.7	231.4	231.7	230.3	224.2	222.3	223.5	225.3	225.1	227.3	226.7
43.5°	231.5	229.2	229.5	228.2	222.0	220.0	221.2	223.1	222.7	224.9	224.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	224.8	222.5	222.9	221.4	215.0	213.0	214.1	216.0	215.7	218.0	217.4
45.5°	222.5	220.2	220.7	219.2	212.7	210.6	211.8	213.7	213.3	215.6	215.1
46°	220.3	218.0	218.3	216.8	210.2	208.2	209.4	211.2	210.9	213.2	212.7
46.5°	218.1	215.6	216.0	214.5	207.9	205.8	206.9	208.9	208.6	210.8	210.2
47°	215.7	213.3	213.7	212.1	205.5	203.4	204.5	206.3	206.1	208.4	207.8
47.5°	213.3	210.9	211.4	209.8	203.0	200.9	202.1	204.0	203.6	206.0	205.5
48°	210.9	208.6	209.0	207.5	200.7	198.4	199.6	201.5	201.1	203.5	203.0
48.5°	208.6	206.2	206.6	205.0	198.2	196.0	197.0	199.0	198.6	200.9	200.5
49°	206.2	203.8	204.1	202.5	195.7	193.5	194.6	196.5	196.1	198.4	197.9
49.5°	203.8	201.3	201.8	200.1	193.1	190.9	192.0	193.9	193.6	195.9	195.5
50°	201.4	198.9	199.4	197.7	190.7	188.4	189.5	191.4	191.0	193.4	193.0
50.5°	199.0	196.5	197.0	195.3	188.1	185.9	186.9	188.9	188.4	190.8	190.4
51°	196.4	194.0	194.4	192.8	185.6	183.3	184.4	186.3	185.9	188.3	187.8
51.5°	194.0	191.5	191.9	190.3	183.1	180.7	181.8	183.7	183.3	185.8	185.1
52°	191.5	189.0	189.4	187.8	180.4	178.0	179.1	181.1	180.7	183.1	182.5
52.5°	189.0	186.5	186.9	185.1	177.8	175.5	176.5	178.5	178.0	180.4	179.9
53°	186.4	183.9	184.3	182.5	175.3	172.8	173.8	175.8	175.4	177.8	177.2
53.5°	183.8	181.3	181.8	180.1	172.6	170.1	171.2	173.1	172.7	175.2	174.6
54°	181.2	178.7	179.2	177.4	169.9	167.5	168.5	170.4	170.0	172.4	171.8
54.5°	178.6	176.1	176.6	174.8	167.3	164.8	165.8	167.8	167.3	169.7	169.1
55°	176.0	173.5	174.0	172.1	164.6	162.0	163.0	165.1	164.6	166.9	166.4
55.5°	173.4	170.9	171.3	169.5	161.9	159.3	160.3	162.3	161.8	164.3	163.6
56°	170.8	168.1	168.7	166.9	159.1	156.5	157.6	159.5	159.0	161.5	160.9
56.5°	168.1	165.6	166.1	164.2	156.4	153.8	154.8	156.8	156.2	158.8	158.1
57°	165.5	162.9	163.4	161.5	153.7	151.0	152.1	153.9	153.5	156.0	155.3
57.5°	162.8	160.2	160.7	158.8	150.9	148.2	149.3	151.2	150.8	153.3	152.5
58°	160.1	157.5	158.0	156.1	148.2	145.5	146.6	148.4	147.9	150.4	149.7
58.5°	157.4	154.8	155.2	153.5	145.5	142.7	143.7	145.6	145.1	147.6	146.9
59°	154.7	152.1	152.5	150.7	142.7	139.9	140.9	142.8	142.2	144.7	144.0
59.5°	151.9	149.4	149.7	148.0	139.8	137.1	138.0	140.0	139.4	141.9	141.2
60°	149.2	146.6	147.0	145.2	137.1	134.2	135.2	137.1	136.6	139.0	138.4
60.5°	146.4	143.8	144.3	142.4	134.3	131.4	132.4	134.2	133.7	136.3	135.5
61°	143.6	141.1	141.6	139.6	131.4	128.6	129.7	131.4	130.9	133.4	132.6
61.5°	140.8	138.3	138.8	136.7	128.6	125.8	126.8	128.6	128.1	130.5	129.8
62°	138.0	135.4	136.0	134.0	125.8	123.0	123.9	125.8	125.2	127.6	126.9
62.5°	135.2	132.7	133.1	131.1	123.0	120.1	121.1	122.8	122.3	124.7	124.0
63°	132.4	129.8	130.4	128.4	120.2	117.3	118.2	120.0	119.4	121.9	121.1
63.5°	129.7	127.1	127.6	125.6	117.3	114.4	115.4	117.2	116.6	119.0	118.2
64°	126.9	124.3	124.8	122.7	114.4	111.6	112.6	114.3	113.7	116.1	115.3
64.5°	124.0	121.5	121.9	119.9	111.6	108.8	109.7	111.4	110.8	113.2	112.5
65°	121.1	118.5	119.2	117.1	108.8	105.9	106.8	108.6	108.0	110.4	109.6
65.5°	118.3	115.8	116.3	114.1	106.0	103.0	104.0	105.7	105.0	107.4	106.7
66°	115.4	113.0	113.5	111.4	103.1	100.2	101.1	102.8	102.2	104.6	103.8

TEST NUMBER: P971901

CATALOG NUMBER: RLWZDZT56-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	107.0	104.5	105.0	102.9	94.6	91.8	92.7	94.3	93.7	96.0	95.2
68°	104.1	101.6	102.2	100.1	91.8	88.9	89.8	91.6	90.9	93.1	92.3
68.5°	101.3	98.8	99.4	97.2	89.0	86.3	87.1	88.8	88.1	90.4	89.4
69°	98.5	95.9	96.5	94.4	86.3	83.5	84.3	86.0	85.3	87.6	86.5
69.5°	95.5	93.2	93.8	91.6	83.5	80.8	81.6	83.3	82.6	84.8	83.7
70°	92.8	90.4	90.9	88.9	80.8	78.1	78.9	80.5	79.9	82.0	81.0
70.5°	90.1	87.6	88.2	86.0	78.1	75.3	76.2	77.8	77.1	79.3	78.2
71°	87.3	84.7	85.3	83.3	75.3	72.6	73.5	75.0	74.4	76.5	75.5
71.5°	84.4	82.1	82.5	80.5	72.6	69.9	70.8	72.3	71.8	73.7	72.7
72°	81.7	79.4	79.8	77.7	69.9	67.2	68.1	69.8	69.0	71.0	69.9
72.5°	78.9	76.6	77.1	74.9	67.2	64.6	65.5	67.1	66.3	68.3	67.2
73°	76.2	73.9	74.4	72.2	64.5	61.9	62.8	64.5	63.7	65.5	64.5
73.5°	73.4	71.2	71.7	69.5	61.8	59.3	60.3	61.9	61.1	62.9	61.8
74°	70.7	68.5	69.0	66.8	59.3	56.8	57.7	59.3	58.5	60.2	59.1
74.5°	68.0	65.7	66.3	64.2	56.7	54.3	55.1	56.7	56.0	57.6	56.5
75°	65.3	63.1	63.6	61.5	54.1	51.7	52.6	54.2	53.4	55.0	53.9
75.5°	62.7	60.4	61.0	58.9	51.6	49.2	50.1	51.7	50.8	52.4	51.4
76°	60.1	57.9	58.4	56.3	49.1	46.8	47.7	49.3	48.3	50.0	48.9
76.5°	57.5	55.3	55.8	53.8	46.7	44.3	45.4	46.8	45.9	47.5	46.5
77°	54.9	52.7	53.3	51.3	44.3	42.0	42.9	44.4	43.5	45.1	44.0
77.5°	52.3	50.2	50.7	48.8	41.9	39.7	40.6	42.0	41.1	42.6	41.5
78°	49.9	47.8	48.1	46.4	39.5	37.4	38.3	39.7	38.8	40.2	39.2
78.5°	47.5	45.4	45.7	44.0	37.3	35.1	36.0	37.4	36.4	37.8	36.8
79°	45.0	42.9	43.4	41.6	34.9	32.9	33.7	35.0	34.2	35.6	34.6
79.5°	42.6	40.5	41.0	39.3	32.7	30.7	31.5	32.9	32.0	33.4	32.3
80°	40.2	38.2	38.7	37.0	30.6	28.6	29.5	30.7	29.8	31.1	30.1
80.5°	37.9	35.9	36.2	34.7	28.5	26.5	27.3	28.5	27.6	28.9	28.0
81°	35.6	33.5	33.9	32.6	26.4	24.4	25.3	26.4	25.6	26.8	25.9
81.5°	33.7	31.4	31.8	30.5	24.4	22.5	23.2	24.4	23.5	24.8	23.9
82°	31.5	29.3	29.7	28.4	22.4	20.6	21.3	22.4	21.6	22.8	21.8
82.5°	29.4	27.2	27.7	26.3	20.4	18.7	19.3	20.4	19.7	20.8	20.0
83°	27.2	25.2	25.7	24.3	18.6	16.9	17.6	18.6	17.8	18.9	18.1
83.5°	25.0	23.1	23.5	22.2	16.8	15.2	15.8	16.7	15.9	17.0	16.3
84°	23.0	21.2	21.6	20.3	15.1	13.5	14.0	15.0	14.2	15.2	14.5
84.5°	21.0	19.2	19.7	18.4	13.4	11.8	12.3	13.2	12.5	13.5	12.8
85°	19.1	17.4	17.8	16.5	11.7	10.4	10.7	11.5	10.9	11.9	11.2
85.5°	17.2	15.6	16.0	14.9	10.3	9.0	9.4	10.1	9.6	10.4	9.8
86°	15.4	13.8	14.2	13.1	8.9	7.6	8.1	8.8	8.2	9.0	8.5
86.5°	13.7	12.2	12.5	11.5	7.6	6.2	6.7	7.4	6.8	7.6	7.1
87°	12.0	10.6	10.9	9.9	6.2	4.8	5.4	6.0	5.5	6.2	5.7
87.5°	10.3	9.1	9.5	8.5	4.8	3.7	4.1	4.6	4.1	4.8	4.4
88°	8.8	7.6	8.0	7.1	3.7	2.8	3.1	3.5	3.1	3.7	3.3
88.5°	7.4	6.3	6.6	5.9	2.8	2.0	2.2	2.6	2.3	2.8	2.4



TEST NUMBER: P971901
CATALOG NUMBER: RLWZDZT56-2700K

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: P971901

CATALOG NUMBER: RLWZDZT56-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	330.2	330.2	330.2	330.2	330.2	330.2
0.5°	330.4	330.2	330.2	330.3	330.2	330.1
1°	330.4	330.2	330.3	330.3	330.2	330.1
1.5°	330.3	330.2	330.3	330.3	330.2	330.1
2°	330.2	330.2	330.3	330.3	330.1	330.1
2.5°	330.1	330.1	330.3	330.2	330.1	330.0
3°	330.0	330.1	330.2	330.1	330.0	329.9
3.5°	329.8	330.0	330.1	330.1	329.8	329.7
4°	329.5	329.8	330.0	330.0	329.7	329.5
4.5°	329.2	329.6	329.8	329.8	329.4	329.3
5°	328.9	329.4	329.7	329.5	329.2	329.0
5.5°	328.7	329.2	329.4	329.3	328.9	328.8
6°	328.3	328.9	329.2	329.0	328.7	328.5
6.5°	327.9	328.6	328.9	328.8	328.3	328.2
7°	327.5	328.3	328.6	328.5	328.0	327.8
7.5°	327.2	327.9	328.3	328.1	327.6	327.4
8°	326.7	327.5	327.9	327.7	327.3	327.0
8.5°	326.1	327.2	327.5	327.3	326.8	326.6
9°	325.7	326.7	327.1	326.9	326.3	326.1
9.5°	325.1	326.2	326.6	326.4	325.8	325.7
10°	324.6	325.8	326.1	325.9	325.3	325.1
10.5°	323.9	325.2	325.7	325.4	324.8	324.6
11°	323.3	324.7	325.1	324.8	324.2	324.0
11.5°	322.7	324.1	324.6	324.3	323.5	323.4
12°	322.0	323.5	324.0	323.6	322.9	322.8
12.5°	321.2	322.8	323.4	323.0	322.2	322.2
13°	320.6	322.2	322.7	322.2	321.6	321.4
13.5°	319.7	321.4	322.0	321.6	320.9	320.7
14°	319.0	320.7	321.2	320.9	320.1	319.9
14.5°	318.2	319.9	320.6	320.1	319.3	319.2
15°	317.3	319.2	319.7	319.4	318.5	318.3
15.5°	316.4	318.3	319.0	318.5	317.7	317.5
16°	315.5	317.5	318.2	317.7	316.8	316.7
16.5°	314.5	316.7	317.3	316.9	315.9	315.8
17°	313.6	315.7	316.5	315.9	315.1	314.9
17.5°	312.6	314.8	315.6	315.0	314.1	314.0
18°	311.6	313.9	314.6	314.1	313.1	313.0
18.5°	310.4	312.9	313.6	313.1	312.1	311.9
19°	309.4	311.8	312.7	312.1	311.1	311.0
19.5°	308.2	310.8	311.6	311.0	310.1	309.9
20°	307.1	309.7	310.6	310.0	309.0	308.8
20.5°	306.0	308.7	309.5	309.0	307.8	307.7
21°	304.7	307.6	308.4	307.7	306.6	306.5



TEST NUMBER: P971901

CATALOG NUMBER: RLWZDZT56-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	301.0	304.0	305.0	304.3	303.1	303.0
23°	299.7	302.7	303.7	303.0	301.9	301.7
23.5°	298.3	301.5	302.4	301.8	300.6	300.5
24°	296.9	300.2	301.2	300.4	299.3	299.2
24.5°	295.5	298.7	299.9	299.2	298.0	297.8
25°	294.1	297.4	298.5	297.9	296.6	296.5
25.5°	292.7	296.1	297.2	296.5	295.3	295.2
26°	291.2	294.7	295.8	295.1	293.9	293.8
26.5°	289.8	293.3	294.5	293.8	292.4	292.3
27°	288.3	291.9	293.1	292.4	291.0	290.9
27.5°	286.8	290.5	291.7	290.9	289.6	289.5
28°	285.3	289.0	290.2	289.4	288.1	288.0
28.5°	283.7	287.5	288.7	287.9	286.6	286.6
29°	282.1	286.0	287.2	286.5	285.2	285.1
29.5°	280.5	284.4	285.7	285.0	283.7	283.5
30°	278.9	282.9	284.2	283.4	282.1	282.0
30.5°	277.3	281.3	282.6	281.8	280.5	280.4
31°	275.6	279.7	281.1	280.2	278.9	278.8
31.5°	273.9	278.1	279.5	278.7	277.4	277.2
32°	272.2	276.4	277.9	277.1	275.7	275.6
32.5°	270.6	274.7	276.2	275.4	274.0	273.9
33°	268.7	273.1	274.6	273.8	272.3	272.2
33.5°	266.9	271.4	272.9	272.1	270.7	270.6
34°	265.2	269.7	271.2	270.4	269.0	268.9
34.5°	263.4	267.9	269.5	268.6	267.2	267.1
35°	261.6	266.1	267.7	266.9	265.5	265.4
35.5°	259.6	264.3	266.0	265.1	263.7	263.6
36°	257.7	262.6	264.2	263.4	261.9	261.8
36.5°	255.8	260.7	262.3	261.6	260.1	260.0
37°	253.7	258.8	260.4	259.7	258.2	258.2
37.5°	251.8	256.9	258.6	257.8	256.3	256.3
38°	249.7	254.9	256.7	255.9	254.4	254.3
38.5°	247.7	252.9	254.8	253.9	252.3	252.3
39°	245.6	250.9	252.8	252.0	250.4	250.4
39.5°	243.5	248.9	250.8	250.0	248.4	248.4
40°	241.3	246.8	248.7	248.0	246.4	246.3
40.5°	239.2	244.7	246.6	245.8	244.4	244.3
41°	237.0	242.6	244.5	243.8	242.2	242.2
41.5°	234.8	240.5	242.4	241.7	240.1	240.1
42°	232.6	238.2	240.4	239.5	237.9	237.9
42.5°	230.3	236.2	238.2	237.4	235.8	235.8
43°	228.2	233.9	236.1	235.2	233.7	233.7
43.5°	225.9	231.7	233.9	233.0	231.4	231.5



TEST NUMBER: P971901

CATALOG NUMBER: RLWZDZT56-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	218.9	224.9	227.2	226.4	224.7	224.8
45.5°	216.6	222.6	224.8	224.1	222.5	222.5
46°	214.1	220.4	222.6	221.8	220.2	220.3
46.5°	211.7	218.0	220.3	219.5	218.0	218.1
47°	209.3	215.6	218.0	217.2	215.6	215.7
47.5°	206.9	213.2	215.6	214.9	213.3	213.3
48°	204.5	210.9	213.2	212.5	210.9	210.9
48.5°	202.0	208.4	210.8	210.1	208.5	208.6
49°	199.5	206.1	208.5	207.7	206.1	206.2
49.5°	197.0	203.6	206.1	205.3	203.6	203.8
50°	194.4	201.1	203.6	202.9	201.2	201.4
50.5°	191.9	198.6	201.0	200.4	198.7	199.0
51°	189.3	196.1	198.5	197.9	196.2	196.4
51.5°	186.7	193.6	196.1	195.4	193.7	194.0
52°	184.1	191.0	193.5	192.9	191.2	191.5
52.5°	181.5	188.5	191.0	190.4	188.7	189.0
53°	178.8	185.9	188.4	187.8	186.2	186.4
53.5°	176.1	183.3	185.9	185.1	183.6	183.8
54°	173.5	180.6	183.3	182.5	181.0	181.2
54.5°	170.8	178.0	180.7	179.9	178.4	178.6
55°	168.0	175.4	178.0	177.3	175.8	176.0
55.5°	165.4	172.7	175.4	174.7	173.1	173.4
56°	162.7	169.9	172.7	172.0	170.5	170.8
56.5°	159.9	167.3	170.0	169.3	167.8	168.1
57°	157.1	164.5	167.3	166.7	165.1	165.5
57.5°	154.2	161.8	164.6	164.0	162.4	162.8
58°	151.4	159.1	161.8	161.2	159.7	160.1
58.5°	148.6	156.3	159.1	158.5	156.9	157.4
59°	145.8	153.5	156.4	155.8	154.1	154.7
59.5°	143.0	150.7	153.6	153.0	151.3	151.9
60°	140.2	147.9	150.8	150.2	148.6	149.2
60.5°	137.3	145.1	148.1	147.4	145.8	146.4
61°	134.5	142.2	145.3	144.6	143.0	143.6
61.5°	131.5	139.4	142.5	141.8	140.3	140.8
62°	128.6	136.6	139.7	139.0	137.5	138.0
62.5°	125.8	133.7	136.8	136.3	134.7	135.2
63°	122.9	131.0	133.9	133.4	131.8	132.4
63.5°	120.1	128.1	131.1	130.5	128.9	129.7
64°	117.1	125.1	128.3	127.7	126.1	126.9
64.5°	114.2	122.3	125.4	124.8	123.2	124.0
65°	111.3	119.4	122.6	122.0	120.5	121.1
65.5°	108.5	116.6	119.7	119.2	117.6	118.3
66°	105.6	113.7	116.8	116.3	114.8	115.4



TEST NUMBER: P971901

CATALOG NUMBER: RLWZDZT56-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	96.9	105.0	108.2	107.7	106.1	107.0
68°	94.1	102.1	105.3	104.8	103.4	104.1
68.5°	91.3	99.3	102.5	102.0	100.5	101.3
69°	88.4	96.4	99.6	99.1	97.6	98.5
69.5°	85.6	93.6	96.8	96.3	94.8	95.5
70°	82.7	90.7	94.0	93.5	92.0	92.8
70.5°	79.9	87.9	91.2	90.6	89.2	90.1
71°	77.1	85.0	88.2	87.8	86.3	87.3
71.5°	74.4	82.3	85.4	85.0	83.6	84.4
72°	71.6	79.4	82.6	82.3	80.8	81.7
72.5°	68.9	76.7	79.8	79.4	78.1	78.9
73°	66.1	73.8	77.1	76.7	75.3	76.2
73.5°	63.4	71.1	74.3	73.9	72.6	73.4
74°	60.7	68.3	71.6	71.2	69.8	70.7
74.5°	58.1	65.6	68.9	68.4	67.2	68.0
75°	55.5	63.0	66.2	65.8	64.6	65.3
75.5°	52.9	60.3	63.4	63.1	61.9	62.7
76°	50.4	57.6	60.8	60.4	59.3	60.1
76.5°	47.9	55.0	58.1	57.7	56.7	57.5
77°	45.4	52.4	55.5	55.2	54.2	54.9
77.5°	42.9	49.9	52.9	52.6	51.7	52.3
78°	40.5	47.4	50.4	50.2	49.1	49.9
78.5°	38.2	44.9	47.9	47.7	46.7	47.5
79°	35.9	42.5	45.4	45.2	44.2	45.0
79.5°	33.6	40.1	42.8	42.7	41.9	42.6
80°	31.4	37.6	40.4	40.3	39.5	40.2
80.5°	29.2	35.4	38.0	37.9	37.1	37.9
81°	27.0	33.1	35.7	35.7	34.9	35.6
81.5°	24.9	30.8	33.6	33.7	32.8	33.7
82°	23.0	28.7	31.4	31.5	30.7	31.5
82.5°	21.0	26.7	29.3	29.3	28.5	29.4
83°	19.1	24.6	27.0	27.0	26.4	27.2
83.5°	17.2	22.6	24.8	24.8	24.3	25.0
84°	15.3	20.5	22.8	22.9	22.2	23.0
84.5°	13.6	18.6	20.7	20.8	20.3	21.0
85°	11.9	16.7	18.9	19.0	18.4	19.1
85.5°	10.5	15.0	17.0	17.0	16.5	17.2
86°	9.1	13.2	15.2	15.2	14.7	15.4
86.5°	7.7	11.5	13.3	13.5	12.9	13.7
87°	6.3	9.9	11.7	11.7	11.3	12.0
87.5°	4.8	8.5	10.1	10.1	9.8	10.3
88°	3.7	7.1	8.6	8.6	8.3	8.8
88.5°	2.8	5.8	7.2	7.2	6.9	7.4



TEST NUMBER: P971901

CATALOG NUMBER: RLWZDZT56-2700K

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°	305.3	304.1	304.5	303.8	300.5	299.7	300.6	301.7	301.6	303.0	302.8
22°	304.2	302.9	303.2	302.6	299.2	298.4	299.3	300.4	300.3	301.7	301.5



44°	229.3	227.0	227.3	226.0	219.6	217.7	218.9	220.7	220.5	222.7	222.1
44.5°	227.1	224.7	225.1	223.7	217.3	215.4	216.6	218.3	218.1	220.3	219.7



66.5°	112.7	110.1	110.7	108.6	100.3	97.4	98.3	100.0	99.4	101.8	100.9
67°	109.8	107.2	107.9	105.8	97.5	94.6	95.5	97.2	96.6	98.9	98.1



89°	6.1	5.1	5.4	4.6	2.0	1.5	1.7	2.0	1.7	2.0	1.8
89.5°	4.8	4.0	4.2	3.5	1.5	0.9	1.1	1.3	1.0	1.4	1.2





21.5°	303.5	306.4	307.3	306.6	305.5	305.3
22°	302.3	305.1	306.2	305.4	304.3	304.2



44°	223.5	229.5	231.6	230.9	229.3	229.3
44.5°	221.2	227.3	229.4	228.6	227.1	227.1



66.5°	102.7	110.8	114.0	113.4	111.9	112.7
67°	99.8	107.9	111.1	110.6	109.0	109.8



89°	2.0	4.6	5.9	5.9	5.6	6.1
89.5°	1.4	3.4	4.6	4.6	4.4	4.8



(END OF REPORT)