

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P522076

Luminaire Tested: **HLBLV6099FSE010MW-4000K-UNIT**

Issue Date: 5/10/2021

Test Information

Test Method: LM-79-08
Report Number: P522076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A1914661A001)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: HLBLV6099FSE010MW-4000K-UNIT
Description: Surface Mount Downlight Fixture, Single Unit
Light Source: (72) 4000K CCT, 94 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

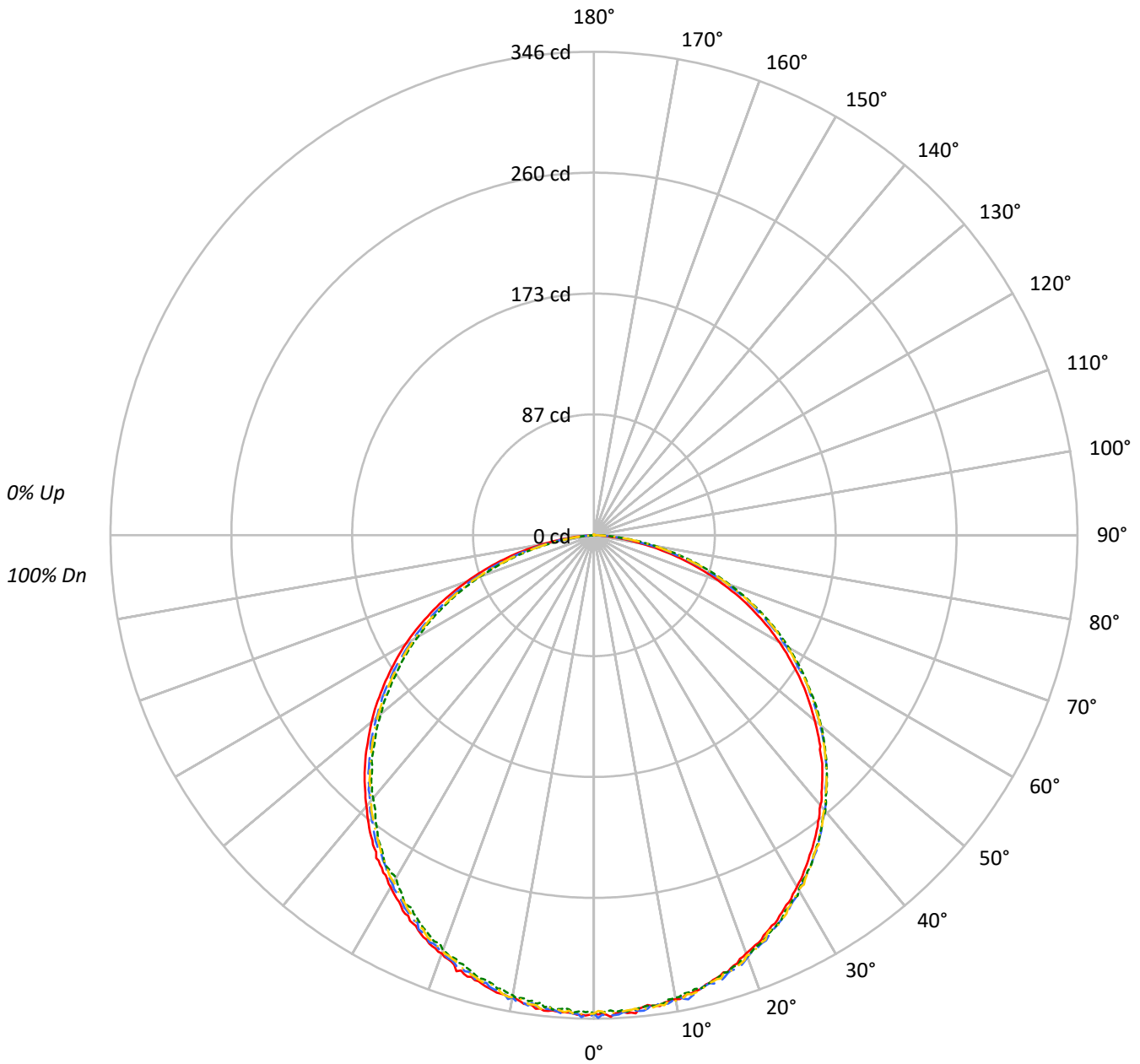
Lumens per Lamp: N/A
Luminaire Lumens: 985.0 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.5m x H: 0m)
CIE Type: Direct

Input Watts (W): 12.4
Input Voltage (V): 120
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: 25 FT



TEST NUMBER: P522076
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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	94	91	88	90	88	86	86	86	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	52	52	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	45	45	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	40	40	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1744	1744	1744	1744
5°	1756	1741	1745	1742
10°	1744	1738	1739	1729
15°	1737	1740	1738	1720
20°	1727	1737	1726	1713
25°	1722	1733	1722	1691
30°	1709	1724	1711	1665
35°	1697	1716	1702	1667
40°	1675	1712	1683	1634
45°	1665	1697	1668	1616
50°	1635	1682	1646	1578
55°	1604	1661	1618	1533
60°	1564	1643	1583	1483
65°	1500	1602	1527	1405
70°	1407	1543	1437	1296
75°	1261	1456	1313	1118
80°	1027	1311	1112	836
85°	649	1093	771	392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	3.3
10°-20°	92.9	9.4
20°-30°	141.0	14.3
30°-40°	170.5	17.3
40°-50°	177.8	18.0
50°-60°	161.7	16.4
60°-70°	123.8	12.6
70°-80°	69.2	7.0
80°-90°	15.6	1.6
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°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	266.2	27.0
0°-40°	436.7	44.3
0°-60°	776.1	78.8
0°-90°	984.6	100.0
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	985.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	342	342	342	342	342	
5°	344	341	341	341	344	32
15°	329	330	330	326	329	93
25°	306	308	306	301	306	141
35°	273	276	274	268	273	171
45°	231	236	232	224	231	178
55°	181	187	182	173	181	161
65°	124	133	127	117	124	123
75°	64	74	67	57	64	68
85°	11	19	13	7	11	14
90°	0	1	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-400K-UNIT

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	342.4	342.4	342.4	342.4	342.4	342.4	342.4	342.4	342.4	342.4	342.4
0.5°	343.0	343.4	345.5	342.4	341.4	341.2	340.5	342.8	343.2	341.5	344.8
1°	342.4	343.0	343.3	341.2	341.4	342.3	340.8	341.6	343.8	343.9	343.5
1.5°	343.2	344.2	344.2	342.2	341.0	342.5	342.6	342.3	343.2	342.6	345.1
2°	344.9	346.4	344.0	344.3	340.2	342.7	342.5	342.3	343.4	342.3	342.5
2.5°	342.5	345.1	343.6	343.7	341.4	342.2	341.7	343.2	342.5	342.3	342.7
3°	342.3	342.8	343.4	343.4	341.2	342.7	341.3	342.8	342.0	342.6	341.8
3.5°	341.7	341.6	342.1	342.1	340.3	341.2	341.4	342.5	342.1	343.6	342.0
4°	342.8	342.5	341.8	342.5	341.6	342.4	340.9	341.5	342.0	343.3	342.8
4.5°	342.6	341.4	342.8	342.2	340.6	341.7	340.8	341.0	341.9	341.5	341.5
5°	343.5	341.0	341.3	342.2	340.6	341.3	340.1	340.7	341.4	340.6	340.8
5.5°	340.2	339.9	342.1	341.2	339.8	341.3	341.7	341.3	342.0	341.9	340.6
6°	339.4	340.8	342.1	341.0	339.5	340.6	342.3	341.6	342.1	341.2	340.5
6.5°	338.4	340.9	341.0	341.4	339.0	341.3	339.4	339.2	341.0	337.7	340.9
7°	339.4	340.8	338.5	341.3	339.2	341.2	340.8	339.4	341.5	339.4	339.7
7.5°	339.5	339.9	337.9	339.4	339.7	338.2	340.1	339.4	339.2	338.2	337.7
8°	340.2	339.4	339.6	340.4	338.9	338.0	339.4	338.9	338.9	337.2	339.8
8.5°	338.3	337.9	339.0	340.0	338.8	336.7	340.2	337.9	339.2	338.4	338.5
9°	337.8	336.6	339.4	338.9	336.4	338.5	338.1	338.1	337.7	337.1	337.4
9.5°	337.0	337.2	338.2	338.1	336.6	338.9	339.0	336.5	336.5	337.0	338.2
10°	337.2	338.2	336.1	338.3	336.0	336.6	338.3	337.0	336.2	336.4	335.8
10.5°	337.7	336.7	336.3	338.5	336.0	337.7	336.0	335.8	336.0	334.9	337.6
11°	336.4	334.9	337.9	336.3	334.2	336.5	337.2	336.4	335.1	334.5	334.8
11.5°	335.1	335.2	339.0	335.4	334.2	336.4	335.0	334.9	334.9	335.5	333.7
12°	335.2	334.3	337.2	336.6	334.1	334.9	336.0	333.6	334.7	331.4	333.1
12.5°	334.4	334.5	335.9	334.9	332.7	334.9	335.3	333.0	333.6	332.2	332.6
13°	333.9	334.4	334.3	334.2	333.0	332.6	335.1	331.9	332.8	331.8	331.7
13.5°	332.9	334.6	332.6	333.5	333.0	331.7	333.1	332.2	332.1	330.5	329.5
14°	331.3	333.3	331.9	332.1	331.7	331.8	333.1	330.7	331.0	329.9	329.9
14.5°	330.9	330.7	331.1	331.1	330.8	331.7	330.9	330.3	329.6	329.2	329.3
15°	329.4	329.0	332.3	329.5	330.1	330.5	330.5	329.2	329.7	327.9	329.0
15.5°	328.9	327.8	331.0	329.6	329.2	329.4	329.7	327.7	328.1	327.3	326.7
16°	328.1	327.8	331.2	329.3	328.0	328.8	330.1	327.7	328.6	326.3	325.0
16.5°	326.2	326.9	329.6	328.6	326.7	327.7	327.0	327.1	327.5	325.3	325.5
17°	327.1	326.9	327.7	327.6	326.9	327.5	326.8	326.9	325.7	324.9	323.7
17.5°	325.2	327.3	326.5	325.9	325.3	326.2	326.8	324.0	327.1	324.0	324.6
18°	323.8	325.2	326.7	325.6	324.5	324.7	326.1	324.6	323.3	323.1	322.2
18.5°	323.2	322.7	325.8	324.1	324.7	324.2	325.0	323.1	321.7	321.7	320.4
19°	320.7	321.5	325.2	322.9	322.3	322.9	323.9	321.5	320.8	320.9	320.4
19.5°	320.0	321.5	323.3	322.0	322.2	321.6	322.6	320.8	320.2	319.9	319.0
20°	318.6	320.3	321.5	320.9	320.5	320.6	320.0	320.0	318.4	318.2	318.4
20.5°	317.4	316.8	319.6	319.9	319.5	319.5	320.4	318.3	318.3	317.6	316.5
21°	316.5	316.8	318.3	318.6	317.9	317.9	319.2	317.1	316.6	315.1	314.7
21.5°	315.2	317.6	318.2	317.6	316.4	317.4	317.6	316.0	316.1	314.2	314.0
22°	314.7	315.4	316.5	317.3	316.0	315.6	316.7	314.6	315.1	313.7	314.3



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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°	313.3	314.0	315.6	315.5	314.9	314.2	314.9	313.7	313.1	312.4	311.8
23°	311.1	313.8	315.1	315.3	313.5	314.1	314.4	313.5	312.5	310.6	310.7
23.5°	309.9	312.0	313.1	313.3	311.6	311.8	310.7	311.9	311.0	309.7	309.2
24°	308.6	310.4	311.7	312.3	310.7	310.7	309.5	310.1	309.3	307.9	308.7
24.5°	307.1	309.3	309.9	310.8	309.3	310.0	309.4	309.1	307.3	306.3	304.5
25°	306.5	307.5	308.8	309.2	308.4	308.4	308.9	306.5	306.5	305.0	304.4
25.5°	305.0	306.0	307.4	308.4	307.5	306.8	308.3	305.9	305.7	303.9	302.9
26°	302.9	304.5	306.1	307.5	306.0	305.9	306.1	304.2	303.0	302.7	301.7
26.5°	301.5	303.7	304.5	305.5	304.0	305.0	305.0	303.5	302.7	302.0	300.2
27°	299.8	301.8	303.4	303.5	301.7	303.3	303.7	301.4	301.4	299.4	299.0
27.5°	298.3	299.7	301.9	302.3	300.8	301.9	300.8	299.6	299.1	297.7	296.4
28°	297.4	299.0	300.1	300.7	299.3	299.8	299.8	298.3	297.1	296.1	294.7
28.5°	295.9	296.5	298.3	299.0	297.4	298.5	298.2	296.5	296.0	295.0	293.8
29°	293.6	294.8	297.2	297.3	296.4	297.1	296.4	295.9	294.3	293.0	292.1
29.5°	292.4	294.1	295.6	295.2	296.3	295.3	294.8	292.6	292.7	290.1	290.7
30°	290.6	292.4	293.9	294.4	293.1	293.6	293.5	291.7	290.9	289.0	288.2
30.5°	288.8	290.0	291.9	292.7	291.3	292.1	292.0	290.8	289.5	287.7	286.9
31°	287.5	288.7	290.2	290.1	289.1	290.9	291.7	288.8	287.1	286.1	284.9
31.5°	285.7	287.1	288.3	288.3	288.1	289.1	289.2	285.6	285.4	284.2	283.5
32°	283.7	284.7	286.7	287.1	287.0	286.9	287.1	285.1	284.7	282.4	280.5
32.5°	281.9	283.3	285.3	285.5	284.8	285.7	284.4	283.4	282.3	280.9	278.8
33°	280.1	281.3	283.4	284.0	283.9	284.3	283.9	282.0	281.1	278.6	277.1
33.5°	278.2	280.3	281.9	282.1	282.2	282.2	282.1	279.5	279.2	277.0	275.1
34°	276.1	278.3	280.1	280.7	280.1	279.5	279.8	277.9	278.8	275.3	273.9
34.5°	274.5	276.5	278.3	278.2	277.5	278.0	277.8	276.7	275.1	273.6	272.7
35°	272.9	274.4	276.9	276.7	276.0	276.4	276.0	275.0	273.8	271.8	270.6
35.5°	270.6	272.4	275.3	275.0	274.0	274.7	274.5	272.9	272.2	269.3	269.0
36°	268.8	270.2	273.1	273.2	272.6	273.0	273.6	271.0	269.8	267.7	266.8
36.5°	267.0	268.4	270.8	271.2	270.9	270.8	270.4	269.0	268.0	266.2	264.7
37°	264.7	266.4	269.0	269.1	268.5	269.0	268.3	267.2	266.2	264.6	262.4
37.5°	262.9	264.3	267.1	266.7	266.6	266.8	267.4	265.2	264.1	262.3	260.1
38°	260.5	262.4	264.9	265.0	264.9	264.9	264.7	263.1	261.9	260.3	258.2
38.5°	258.8	260.5	263.1	263.0	262.1	263.1	262.7	261.0	259.8	258.3	255.9
39°	256.5	258.5	260.9	261.2	260.7	261.0	260.4	259.1	257.6	255.0	254.3
39.5°	253.8	256.7	258.7	258.8	259.3	259.0	258.0	257.1	255.2	253.9	252.0
40°	252.0	254.6	257.0	256.8	257.5	256.8	256.6	255.0	253.2	251.8	249.2
40.5°	250.7	252.3	255.1	254.6	255.4	254.9	254.5	253.0	251.2	249.1	247.2
41°	248.6	250.0	252.5	252.8	253.1	252.9	252.1	250.7	249.2	246.5	244.9
41.5°	245.6	247.9	250.4	250.8	250.1	250.8	250.2	248.4	246.9	244.7	243.2
42°	243.9	245.7	248.2	248.6	248.4	249.0	248.1	246.3	244.8	242.7	240.3
42.5°	241.7	243.2	245.4	246.6	246.5	246.6	246.1	243.9	242.8	240.4	238.9
43°	239.5	241.5	243.7	244.3	244.4	244.3	243.9	242.0	240.6	238.4	236.7
43.5°	237.3	239.6	241.5	242.2	242.2	242.2	241.8	239.9	238.4	236.2	234.4
44°	235.3	237.3	239.4	240.1	240.0	240.1	239.5	237.6	236.2	233.6	231.9
44.5°	233.2	234.9	237.1	238.0	237.7	238.1	237.5	235.5	233.9	231.4	229.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	231.1	232.6	235.0	235.5	235.6	235.7	235.2	233.2	231.6	229.3	227.2
45.5°	228.3	230.3	233.1	233.4	233.3	233.4	233.0	230.8	229.2	226.8	225.0
46°	225.6	228.1	230.4	231.2	231.1	231.2	230.5	228.3	227.2	224.6	222.4
46.5°	222.9	225.9	228.1	228.8	228.8	228.8	228.2	226.1	224.6	222.3	220.4
47°	221.5	223.1	225.9	226.5	226.4	226.6	225.9	223.9	222.0	219.9	218.5
47.5°	218.8	220.9	223.6	224.3	224.2	224.7	223.4	221.2	219.5	217.2	215.7
48°	216.4	218.7	221.5	222.2	221.8	222.2	221.0	218.9	217.3	214.7	213.2
48.5°	213.7	216.6	218.7	219.5	219.6	219.5	218.7	216.6	214.8	212.0	210.6
49°	211.3	213.7	216.4	217.4	217.3	217.0	216.4	214.2	212.3	209.9	208.2
49.5°	208.9	211.1	213.5	215.1	214.8	214.6	214.0	211.9	209.9	207.6	205.7
50°	206.3	208.8	211.3	212.3	212.3	212.1	211.5	209.6	207.7	205.1	203.1
50.5°	203.7	206.2	208.4	209.4	209.8	209.6	208.9	206.8	205.1	202.6	200.4
51°	201.1	203.7	206.1	207.3	207.5	207.6	206.2	204.7	202.7	200.0	198.3
51.5°	198.6	201.1	203.7	204.8	205.0	205.2	203.5	202.4	200.3	197.4	196.0
52°	196.0	198.4	201.2	202.4	202.7	202.6	201.1	199.7	197.7	194.8	193.2
52.5°	193.5	196.2	198.6	199.8	200.3	200.1	198.8	196.8	195.1	192.2	191.0
53°	191.1	193.8	196.1	197.2	197.7	197.4	196.4	194.4	192.3	189.7	188.0
53.5°	188.6	191.0	193.3	194.3	195.0	194.9	193.8	191.9	189.8	187.2	185.6
54°	186.3	188.3	190.8	191.6	192.0	192.4	191.3	189.8	187.2	184.8	182.8
54.5°	183.1	185.8	188.5	189.3	189.8	190.1	188.8	187.0	184.8	182.3	179.9
55°	180.6	183.3	186.0	186.7	187.1	187.6	186.3	184.2	182.2	179.5	177.6
55.5°	178.0	180.7	183.4	183.9	184.6	185.0	183.6	181.6	179.3	176.9	175.1
56°	175.2	178.0	180.9	181.3	182.1	182.3	181.0	178.8	176.8	174.2	172.4
56.5°	172.3	175.3	177.9	178.9	179.7	179.7	178.4	176.6	174.1	171.7	169.5
57°	169.6	172.4	174.7	176.1	177.2	177.1	175.5	173.7	171.4	168.9	166.9
57.5°	167.0	169.6	172.2	173.3	174.4	174.4	172.9	171.3	168.7	166.4	164.2
58°	164.3	166.9	169.6	170.6	171.7	171.6	170.1	168.3	166.2	163.4	161.3
58.5°	161.7	164.5	167.0	168.0	169.0	168.8	167.5	165.5	163.5	160.6	158.6
59°	158.9	161.5	164.2	165.7	166.4	166.2	165.2	162.6	160.9	157.7	155.6
59.5°	156.0	158.8	161.4	162.6	164.0	163.6	162.6	160.0	158.1	155.0	152.8
60°	153.5	155.9	158.8	160.0	161.3	160.9	159.8	157.0	155.4	152.3	149.8
60.5°	150.3	153.5	156.0	157.3	158.5	158.2	157.1	154.6	152.6	149.6	147.3
61°	147.7	150.5	153.3	154.5	155.6	155.4	154.2	151.8	149.8	146.7	144.3
61.5°	144.9	147.8	150.2	151.7	152.8	152.7	151.4	149.4	146.9	143.9	141.5
62°	142.1	144.8	147.6	148.8	150.2	150.0	148.7	146.3	144.1	141.0	138.3
62.5°	139.0	141.9	144.8	146.2	147.4	147.2	146.0	143.5	141.2	138.2	135.5
63°	136.1	139.0	141.8	143.4	144.6	144.5	143.1	140.4	138.3	135.4	132.5
63.5°	133.3	136.1	138.9	140.3	141.6	141.6	140.4	137.7	135.5	132.3	129.8
64°	130.3	133.1	136.0	137.2	138.9	138.7	137.5	134.5	132.4	129.3	127.1
64.5°	127.4	130.4	132.9	134.6	135.9	135.8	134.6	131.9	129.6	126.6	124.1
65°	124.5	127.5	130.0	131.9	132.9	132.7	131.8	129.0	126.7	123.8	120.9
65.5°	121.6	124.8	127.3	129.1	130.1	130.0	128.8	126.1	123.7	120.9	117.9
66°	118.7	121.8	124.5	126.0	127.2	126.8	125.9	123.0	120.8	117.7	115.1
66.5°	115.8	118.6	121.5	123.0	124.3	124.2	122.9	120.1	117.7	114.7	112.1
67°	113.0	115.9	118.6	119.9	121.3	121.2	119.9	117.1	114.7	111.9	109.0



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	109.7	112.9	115.8	116.9	118.3	118.2	117.1	114.2	111.8	108.9	106.1
68°	106.5	109.8	113.0	114.3	115.6	115.4	113.9	111.1	108.7	105.9	103.1
68.5°	103.4	106.7	109.7	111.1	112.5	112.4	111.0	108.2	105.6	102.7	100.0
69°	100.5	103.6	106.6	107.9	109.4	109.4	108.0	105.2	102.7	99.7	97.1
69.5°	97.4	100.6	103.5	104.9	106.6	106.5	105.0	102.1	99.6	96.6	94.3
70°	94.5	97.5	100.6	102.0	103.6	103.4	102.0	99.3	96.5	93.9	91.1
70.5°	91.7	94.5	97.5	99.0	100.5	100.6	99.0	96.3	93.8	90.8	88.2
71°	88.6	91.5	94.5	95.9	97.4	97.4	96.0	93.5	90.7	87.7	85.1
71.5°	85.5	88.7	91.5	93.1	94.4	94.4	93.0	90.4	87.7	84.7	82.2
72°	82.4	85.5	88.4	90.2	91.7	91.6	90.1	87.4	84.6	81.7	79.3
72.5°	79.4	82.7	85.2	87.1	88.7	88.6	87.0	84.5	81.6	78.8	76.3
73°	76.3	79.5	82.1	84.0	85.8	85.5	83.8	81.4	78.4	75.9	73.1
73.5°	73.2	76.4	79.3	81.1	82.7	82.5	80.9	78.5	75.7	72.5	70.2
74°	70.4	73.2	76.4	77.9	79.8	79.6	77.9	75.4	72.6	69.8	67.1
74.5°	67.2	70.3	73.1	74.9	76.8	76.6	74.9	72.4	69.6	66.7	63.9
75°	64.1	67.3	70.2	72.0	74.0	73.7	72.0	69.5	66.7	63.6	61.0
75.5°	61.1	64.3	67.1	69.1	70.9	70.6	69.1	66.6	63.7	60.8	58.2
76°	58.3	61.2	64.0	65.9	68.0	67.5	66.2	63.5	60.8	57.9	55.3
76.5°	55.3	58.4	61.0	63.2	64.9	64.7	63.1	60.5	57.9	54.8	52.3
77°	52.1	55.4	58.2	60.1	61.9	61.6	60.1	57.8	55.0	52.1	49.3
77.5°	49.5	52.4	55.3	57.1	59.1	58.7	57.4	54.8	52.2	49.1	46.6
78°	46.5	49.5	52.3	54.2	56.1	55.8	54.4	51.9	49.2	46.3	43.7
78.5°	43.7	46.6	49.3	51.2	53.2	52.8	51.4	49.0	46.3	43.5	41.0
79°	40.9	43.8	46.4	48.3	50.3	50.0	48.6	46.2	43.4	40.5	38.1
79.5°	37.9	40.9	43.6	45.3	47.3	47.0	45.7	43.4	40.6	37.8	35.4
80°	35.0	38.1	41.0	42.4	44.7	44.4	43.0	40.5	37.9	35.1	32.6
80.5°	32.5	35.2	37.9	39.6	41.8	41.5	40.1	37.8	35.1	32.4	30.1
81°	29.6	32.5	35.0	36.8	39.1	38.8	37.4	35.1	32.5	29.7	27.4
81.5°	27.1	30.0	32.4	34.1	36.3	36.1	34.6	32.4	29.8	27.0	24.8
82°	24.6	27.3	29.7	31.3	33.7	33.2	32.0	29.8	27.2	24.6	22.4
82.5°	22.2	24.7	27.2	28.7	30.9	30.7	29.4	27.2	24.7	22.3	20.1
83°	19.8	22.4	24.6	26.1	28.3	28.2	26.8	24.8	22.4	19.9	17.9
83.5°	17.5	20.0	22.2	23.7	25.8	25.5	24.2	22.3	19.9	17.6	15.5
84°	15.2	17.6	19.8	21.4	23.3	23.1	22.0	20.1	17.7	15.3	13.3
84.5°	13.1	15.3	17.5	18.9	21.1	21.0	19.6	17.7	15.3	13.2	11.2
85°	11.1	13.3	15.2	16.6	18.7	18.6	17.3	15.5	13.2	11.1	9.3
85.5°	9.3	11.2	13.1	14.4	16.5	16.3	15.1	13.2	11.1	9.1	7.4
86°	7.4	9.3	11.0	12.4	14.3	14.1	12.9	11.2	9.2	7.3	5.7
86.5°	5.8	7.5	9.4	10.4	12.2	11.9	10.9	9.2	7.4	5.7	4.2
87°	4.3	5.8	7.4	8.6	10.2	9.9	8.9	7.4	5.7	4.1	2.9
87.5°	3.0	4.4	5.8	7.0	8.5	8.3	7.2	5.7	4.2	2.8	1.7
88°	1.9	3.2	4.3	5.3	6.6	6.5	5.5	4.2	2.9	1.7	0.7
88.5°	1.0	2.0	3.0	3.8	5.1	4.8	4.1	2.9	1.6	0.6	0.0
89°	0.3	1.1	1.9	2.8	3.5	3.3	2.5	1.8	0.6	0.0	0.0
89.5°	0.0	0.4	1.0	1.7	2.1	2.0	1.4	0.7	0.0	0.0	0.0



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.3	0.8	1.1	1.0	0.4	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P522076
 CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.5°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126.5°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128.5°	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.5°	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
131.5°	0.3	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.2	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.2	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
135.5°	0.1	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136.5°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
138.5°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139°	0.1	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139.5°	0.1	0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.5°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
141°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0
141.5°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142°	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0
143.5°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
144°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1
144.5°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1
145°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1
145.5°	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1
146°	0.1	0.2	0.1	0.2	0.0	0.0	0.1	0.0	0.1	0.1	0.1
146.5°	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.0	0.2	0.1	0.1
147°	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.0	0.2	0.1	0.1
147.5°	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.1	0.2	0.1	0.1
148°	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.2	0.1
148.5°	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1
149°	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1
149.5°	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.1	0.2	0.3	0.1
150°	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.0	0.1
150.5°	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1
151°	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1
151.5°	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.2
152°	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.2
152.5°	0.1	0.3	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.2
153°	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2
153.5°	0.1	0.3	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.2
154°	0.1	0.3	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2
154.5°	0.1	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3
155°	0.1	0.3	0.1	0.2	0.1	0.3	0.2	0.2	0.2	0.1	0.3
155.5°	0.1	0.3	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.3
156°	0.1	0.5	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.3
156.5°	0.1	0.5	0.1	0.2	0.1	0.2	0.3	0.2	0.2	0.1	0.4
157°	0.1	0.5	0.1	0.2	0.1	0.3	0.3	0.2	0.2	0.1	0.3



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.1	0.5	0.1	0.2	0.0	0.2	0.3	0.2	0.2	0.1	0.3
158°	0.1	0.5	0.1	0.2	0.0	0.3	0.3	0.2	0.2	0.1	0.4
158.5°	0.1	0.5	0.1	0.2	0.0	0.3	0.3	0.2	0.2	0.1	0.4
159°	0.1	0.5	0.1	0.2	0.0	0.4	0.3	0.2	0.2	0.1	0.5
159.5°	0.1	0.5	0.1	0.2	0.0	0.3	0.3	0.2	0.2	0.1	0.5
160°	0.1	0.5	0.1	0.2	0.0	0.3	0.3	0.2	0.2	0.1	0.5
160.5°	0.1	0.5	0.1	0.2	0.0	0.3	0.3	0.2	0.2	0.1	0.5
161°	0.1	0.5	0.1	0.2	0.0	0.3	0.3	0.2	0.2	0.1	0.5
161.5°	0.1	0.5	0.1	0.2	0.0	0.3	0.3	0.2	0.2	0.1	0.5
162°	0.1	0.5	0.1	0.2	0.0	0.4	0.4	0.2	0.2	0.1	0.5
162.5°	0.1	0.5	0.1	0.2	0.0	0.3	0.4	0.2	0.2	0.1	0.5
163°	0.1	0.5	0.1	0.2	0.0	0.3	0.4	0.2	0.2	0.1	0.5
163.5°	0.1	0.6	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.5
164°	0.1	0.6	0.1	0.2	0.0	0.5	0.4	0.2	0.2	0.1	0.5
164.5°	0.1	0.4	0.1	0.2	0.0	0.4	0.4	0.2	0.2	0.1	0.7
165°	0.1	0.6	0.1	0.2	0.0	0.4	0.5	0.2	0.2	0.1	0.7
165.5°	0.1	0.7	0.1	0.2	0.0	0.4	0.5	0.2	0.2	0.1	0.6
166°	0.1	0.7	0.1	0.2	0.0	0.4	0.5	0.2	0.2	0.1	0.6
166.5°	0.1	0.7	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
167°	0.1	0.7	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
167.5°	0.1	0.7	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
168°	0.1	0.2	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.2	0.6
168.5°	0.1	0.2	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
169°	0.1	0.4	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.2	0.6
169.5°	0.1	0.4	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.6	0.6
170°	0.1	0.4	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.6	0.6
170.5°	0.1	1.1	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.7	0.6
171°	0.1	1.1	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.6	0.6
171.5°	0.1	1.0	0.2	0.2	0.0	0.5	0.5	0.2	0.2	0.3	0.6
172°	0.1	1.0	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.7	0.6
172.5°	0.1	1.0	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.3	0.6
173°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.3	0.6
173.5°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.2	0.6
174°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.2	0.6
174.5°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
175°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
175.5°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
176°	0.1	0.8	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.1	0.6
176.5°	0.1	0.7	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.1	0.6
177°	0.1	0.7	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.1	0.6
177.5°	0.1	0.7	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.1	0.6
178°	0.1	0.7	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.1	0.6
178.5°	0.1	0.7	0.1	0.2	0.0	0.5	0.7	0.2	0.2	0.1	0.6
179°	0.1	0.6	0.1	0.2	0.0	0.5	0.7	0.2	0.2	0.1	0.6
179.5°	0.1	0.6	0.1	0.2	0.0	0.5	0.7	0.2	0.2	0.1	0.6



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	342.4	342.4	342.4	342.4	342.4	342.4
0.5°	342.0	340.6	340.6	342.5	341.0	343.0
1°	341.9	341.5	340.8	342.2	341.9	342.4
1.5°	340.8	340.6	341.9	342.7	342.7	343.2
2°	341.8	341.3	340.7	341.9	343.3	344.9
2.5°	340.6	342.0	339.9	342.7	342.6	342.5
3°	341.4	339.7	340.4	340.8	342.2	342.3
3.5°	341.3	339.1	340.9	341.9	341.0	341.7
4°	340.6	340.0	339.1	341.0	339.8	342.8
4.5°	340.2	340.2	340.2	340.3	340.3	342.6
5°	340.7	340.7	341.3	339.1	340.4	343.5
5.5°	340.2	338.3	339.6	340.0	338.4	340.2
6°	337.7	339.8	339.8	341.5	338.5	339.4
6.5°	339.1	336.6	338.5	340.9	338.5	338.4
7°	339.6	338.0	337.7	339.0	340.0	339.4
7.5°	338.3	336.0	338.2	338.8	340.7	339.5
8°	338.4	336.8	337.7	338.9	338.3	340.2
8.5°	337.4	335.3	336.5	335.7	337.3	338.3
9°	336.3	335.3	336.7	336.3	334.4	337.8
9.5°	333.9	336.0	333.7	336.3	336.3	337.0
10°	335.7	334.3	333.2	335.8	335.2	337.2
10.5°	333.6	333.7	335.2	336.0	335.1	337.7
11°	333.7	332.7	333.3	335.3	335.1	336.4
11.5°	332.7	331.1	333.0	334.1	333.2	335.1
12°	331.5	331.9	332.8	331.5	331.5	335.2
12.5°	331.1	329.8	331.5	329.9	330.0	334.4
13°	330.9	328.8	330.5	329.9	329.9	333.9
13.5°	328.7	327.9	328.6	330.5	329.8	332.9
14°	328.9	327.4	327.8	329.6	329.2	331.3
14.5°	327.1	327.5	327.5	328.6	329.1	330.9
15°	326.8	326.3	325.9	327.5	328.6	329.4
15.5°	325.7	324.6	325.4	326.7	327.7	328.9
16°	325.6	323.4	323.9	325.7	325.0	328.1
16.5°	324.6	322.5	322.5	324.4	324.5	326.2
17°	322.6	321.1	322.1	323.6	324.0	327.1
17.5°	322.4	321.0	321.6	322.5	322.1	325.2
18°	320.9	319.0	320.5	320.3	321.4	323.8
18.5°	319.5	318.5	319.0	319.7	320.3	323.2
19°	320.1	318.2	318.2	318.4	319.5	320.7
19.5°	317.9	316.8	316.5	318.1	317.8	320.0
20°	316.5	316.1	316.1	316.8	317.7	318.6
20.5°	314.8	313.3	315.6	314.8	316.1	317.4
21°	313.2	312.4	313.3	314.5	315.2	316.5
21.5°	311.6	312.3	312.7	313.2	313.7	315.2
22°	311.7	310.6	310.1	312.3	311.8	314.7



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	310.4	309.2	308.7	311.4	310.4	313.3
23°	308.9	307.5	308.1	309.4	309.8	311.1
23.5°	307.3	306.4	307.2	307.1	308.4	309.9
24°	304.3	304.6	306.0	306.8	307.6	308.6
24.5°	302.6	302.9	304.4	305.1	305.1	307.1
25°	301.9	301.0	302.2	303.5	303.6	306.5
25.5°	302.5	300.0	300.5	301.7	302.3	305.0
26°	300.3	296.9	299.2	300.4	300.9	302.9
26.5°	298.8	296.9	297.3	298.8	300.2	301.5
27°	296.7	296.5	295.9	296.7	299.0	299.8
27.5°	295.1	294.9	294.2	295.3	296.9	298.3
28°	293.2	291.9	293.0	293.6	294.9	297.4
28.5°	291.8	289.7	291.3	292.0	293.5	295.9
29°	290.0	288.3	288.9	289.8	291.5	293.6
29.5°	288.3	285.9	287.4	288.2	289.3	292.4
30°	286.5	283.1	286.2	286.7	287.8	290.6
30.5°	284.9	282.2	283.9	285.4	285.9	288.8
31°	282.9	282.0	282.4	284.0	284.6	287.5
31.5°	280.7	280.5	280.3	281.9	282.3	285.7
32°	279.0	279.8	277.8	280.1	280.8	283.7
32.5°	277.1	278.7	276.1	278.3	279.0	281.9
33°	275.5	276.1	274.4	276.3	277.2	280.1
33.5°	273.9	273.6	272.7	274.9	275.4	278.2
34°	272.2	271.4	270.9	272.8	273.3	276.1
34.5°	270.6	269.7	269.1	270.6	271.5	274.5
35°	268.4	268.1	267.1	268.6	269.6	272.9
35.5°	266.6	266.3	265.2	266.7	267.4	270.6
36°	264.5	263.4	263.2	264.8	265.4	268.8
36.5°	262.6	260.9	261.4	263.1	263.2	267.0
37°	260.5	259.0	259.5	260.9	261.4	264.7
37.5°	258.6	256.8	257.7	259.0	259.3	262.9
38°	256.6	254.0	255.7	257.0	257.3	260.5
38.5°	254.4	251.3	253.6	254.9	255.5	258.8
39°	251.9	249.5	251.4	253.0	253.3	256.5
39.5°	250.0	247.6	249.4	250.5	251.6	253.8
40°	247.6	245.8	246.9	248.7	249.5	252.0
40.5°	245.4	244.0	244.5	246.3	247.4	250.7
41°	243.3	242.1	242.4	244.1	245.5	248.6
41.5°	241.4	239.5	240.0	242.2	243.1	245.6
42°	239.0	238.2	237.8	239.6	241.0	243.9
42.5°	237.0	235.8	235.5	237.8	238.9	241.7
43°	234.8	233.0	233.1	235.0	236.5	239.5
43.5°	232.7	230.5	230.9	233.2	234.4	237.3
44°	230.4	228.5	229.1	230.4	232.2	235.3
44.5°	228.1	226.9	226.2	228.1	229.8	233.2



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	225.8	224.4	223.9	226.3	227.7	231.1
45.5°	223.1	221.8	221.5	224.1	225.0	228.3
46°	220.9	219.3	219.4	221.3	222.9	225.6
46.5°	218.6	216.5	217.3	218.9	220.5	222.9
47°	215.8	214.2	214.8	216.6	218.1	221.5
47.5°	213.6	211.9	212.5	214.1	215.5	218.8
48°	211.1	209.8	209.9	211.7	213.2	216.4
48.5°	208.6	207.3	207.1	209.5	210.5	213.7
49°	206.1	204.5	204.7	207.0	208.1	211.3
49.5°	203.9	201.6	202.6	204.5	206.1	208.9
50°	201.2	199.1	199.8	202.2	203.4	206.3
50.5°	198.7	196.5	197.4	199.4	200.9	203.7
51°	195.9	194.4	195.2	196.9	198.4	201.1
51.5°	193.3	191.9	192.3	194.1	195.8	198.6
52°	190.7	189.2	189.6	191.5	193.3	196.0
52.5°	188.3	186.2	186.9	189.0	190.6	193.5
53°	185.8	183.3	184.6	186.4	188.0	191.1
53.5°	183.1	180.9	182.1	183.5	185.1	188.6
54°	180.6	178.5	179.1	180.8	182.1	186.3
54.5°	178.0	175.6	176.5	178.0	180.1	183.1
55°	175.3	172.6	173.6	175.5	177.1	180.6
55.5°	172.4	170.4	171.1	172.9	174.2	178.0
56°	169.9	167.8	168.4	170.1	171.7	175.2
56.5°	167.2	165.3	166.2	167.5	169.0	172.3
57°	164.6	162.5	163.0	164.7	166.8	169.6
57.5°	162.0	159.6	160.4	162.0	164.3	167.0
58°	159.2	157.0	157.5	159.2	161.4	164.3
58.5°	156.4	154.3	154.8	156.6	158.6	161.7
59°	153.7	151.5	151.7	153.7	155.6	158.9
59.5°	150.9	148.6	149.0	150.8	153.0	156.0
60°	148.1	145.6	146.1	148.1	150.0	153.5
60.5°	145.2	142.7	143.4	145.3	147.1	150.3
61°	142.4	139.8	140.5	142.2	144.5	147.7
61.5°	139.4	137.2	137.6	139.3	141.4	144.9
62°	136.7	134.2	135.0	136.4	138.5	142.1
62.5°	133.9	131.3	132.0	133.6	135.5	139.0
63°	130.8	128.5	129.0	130.8	132.7	136.1
63.5°	128.0	125.7	126.1	127.9	129.9	133.3
64°	125.0	122.7	123.0	124.9	126.9	130.3
64.5°	121.9	119.5	120.2	121.9	124.2	127.4
65°	119.1	116.6	117.3	119.1	121.2	124.5
65.5°	115.8	113.7	114.2	116.2	118.3	121.6
66°	112.9	110.9	111.4	113.0	115.3	118.7
66.5°	109.9	107.9	108.4	109.9	112.5	115.8
67°	106.9	104.8	105.4	107.2	109.3	113.0



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	103.8	101.8	102.4	103.9	106.3	109.7
68°	100.9	99.0	99.1	101.0	103.3	106.5
68.5°	97.8	95.7	96.3	97.9	100.1	103.4
69°	94.8	92.8	93.3	95.2	97.1	100.5
69.5°	91.9	90.0	90.2	92.2	94.2	97.4
70°	88.9	87.0	87.4	88.9	91.2	94.5
70.5°	86.0	83.8	84.2	86.0	88.1	91.7
71°	82.9	80.9	81.3	83.1	85.1	88.6
71.5°	80.0	77.8	78.0	79.8	81.9	85.5
72°	76.8	74.6	74.9	76.8	79.3	82.4
72.5°	73.9	71.9	72.1	73.7	76.1	79.4
73°	70.8	68.6	69.0	70.6	73.0	76.3
73.5°	67.7	65.6	65.9	67.6	70.3	73.2
74°	64.8	62.9	63.1	64.7	67.1	70.4
74.5°	61.8	59.8	59.8	61.6	63.9	67.2
75°	59.0	56.8	57.1	58.9	61.0	64.1
75.5°	56.0	54.0	54.2	55.7	58.0	61.1
76°	53.1	50.9	51.1	52.7	54.9	58.3
76.5°	50.2	48.1	48.2	49.9	52.0	55.3
77°	47.4	45.2	45.3	47.0	49.1	52.1
77.5°	44.6	42.1	42.6	44.0	46.3	49.5
78°	41.7	39.4	39.6	41.3	43.4	46.5
78.5°	38.8	36.6	36.8	38.4	40.6	43.7
79°	36.2	33.9	34.2	35.7	37.8	40.9
79.5°	33.4	31.1	31.4	32.9	35.0	37.9
80°	30.7	28.5	28.6	30.2	32.2	35.0
80.5°	28.2	25.7	26.0	27.6	29.5	32.5
81°	25.6	23.4	23.7	25.0	27.1	29.6
81.5°	23.2	21.1	21.3	22.7	24.5	27.1
82°	20.9	18.6	18.8	20.2	22.2	24.6
82.5°	18.5	16.3	16.6	17.9	19.8	22.2
83°	16.3	14.3	14.4	15.7	17.4	19.8
83.5°	14.0	12.2	12.4	13.4	15.1	17.5
84°	11.9	10.2	10.4	11.4	13.0	15.2
84.5°	9.9	8.4	8.5	9.5	11.0	13.1
85°	8.0	6.7	6.7	7.6	9.3	11.1
85.5°	6.4	5.2	5.2	5.9	7.3	9.3
86°	4.8	3.7	3.9	4.6	5.7	7.4
86.5°	3.3	2.4	2.6	3.3	4.2	5.8
87°	1.9	1.5	1.6	2.0	3.0	4.3
87.5°	0.8	0.6	0.6	1.1	1.9	3.0
88°	0.0	0.3	0.2	0.4	1.0	1.9
88.5°	0.0	0.0	0.0	0.0	0.4	1.0
89°	0.0	0.0	0.0	0.0	0.0	0.3
89.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

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
90.5°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.1	0.0
115.5°	0.0	0.0	0.0	0.0	0.1	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.1	0.0	0.0	0.1	0.1
117.5°	0.0	0.1	0.0	0.0	0.0	0.1
118°	0.0	0.1	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.1	0.0	0.1	0.0
119°	0.0	0.1	0.1	0.0	0.1	0.1
119.5°	0.0	0.1	0.1	0.1	0.1	0.1
120°	0.0	0.1	0.1	0.1	0.1	0.1
120.5°	0.0	0.1	0.1	0.1	0.1	0.1
121°	0.0	0.1	0.1	0.1	0.1	0.1
121.5°	0.0	0.1	0.1	0.0	0.1	0.1
122°	0.0	0.1	0.1	0.1	0.1	0.1
122.5°	0.0	0.1	0.0	0.1	0.1	0.1
123°	0.0	0.1	0.0	0.1	0.1	0.2
123.5°	0.0	0.1	0.1	0.1	0.1	0.1
124°	0.0	0.1	0.0	0.1	0.2	0.2
124.5°	0.0	0.1	0.1	0.1	0.2	0.1
125°	0.0	0.1	0.1	0.1	0.1	0.1
125.5°	0.0	0.2	0.2	0.1	0.1	0.1
126°	0.0	0.2	0.0	0.1	0.1	0.1
126.5°	0.0	0.2	0.1	0.1	0.1	0.1
127°	0.0	0.1	0.1	0.1	0.1	0.1
127.5°	0.0	0.2	0.1	0.2	0.1	0.3
128°	0.0	0.1	0.1	0.2	0.1	0.2
128.5°	0.0	0.1	0.1	0.1	0.1	0.2
129°	0.0	0.1	0.2	0.1	0.1	0.2
129.5°	0.0	0.1	0.2	0.1	0.1	0.1
130°	0.0	0.1	0.1	0.1	0.1	0.1
130.5°	0.0	0.1	0.1	0.1	0.1	0.1
131°	0.0	0.1	0.1	0.1	0.1	0.1
131.5°	0.0	0.1	0.1	0.3	0.2	0.3
132°	0.0	0.1	0.1	0.1	0.2	0.2
132.5°	0.0	0.1	0.1	0.1	0.2	0.2
133°	0.0	0.1	0.1	0.1	0.2	0.2
133.5°	0.0	0.1	0.1	0.1	0.2	0.1
134°	0.0	0.1	0.3	0.1	0.2	0.1
134.5°	0.0	0.1	0.3	0.1	0.2	0.1



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.0	0.1	0.2	0.3	0.2	0.1
135.5°	0.0	0.1	0.2	0.3	0.2	0.1
136°	0.0	0.1	0.2	0.2	0.2	0.1
136.5°	0.0	0.1	0.2	0.2	0.2	0.1
137°	0.0	0.1	0.2	0.2	0.2	0.1
137.5°	0.0	0.1	0.2	0.2	0.2	0.1
138°	0.0	0.1	0.2	0.2	0.2	0.1
138.5°	0.0	0.1	0.2	0.2	0.2	0.1
139°	0.0	0.1	0.2	0.2	0.2	0.1
139.5°	0.0	0.1	0.2	0.2	0.2	0.1
140°	0.0	0.1	0.2	0.2	0.2	0.1
140.5°	0.0	0.1	0.2	0.2	0.2	0.1
141°	0.0	0.1	0.2	0.2	0.2	0.1
141.5°	0.0	0.1	0.2	0.2	0.2	0.1
142°	0.0	0.1	0.2	0.2	0.2	0.0
142.5°	0.0	0.1	0.2	0.2	0.2	0.0
143°	0.0	0.1	0.2	0.2	0.2	0.1
143.5°	0.0	0.1	0.2	0.2	0.2	0.1
144°	0.0	0.1	0.2	0.2	0.2	0.1
144.5°	0.0	0.1	0.2	0.2	0.2	0.1
145°	0.0	0.1	0.2	0.2	0.2	0.1
145.5°	0.0	0.1	0.2	0.2	0.2	0.1
146°	0.0	0.1	0.2	0.2	0.2	0.1
146.5°	0.0	0.1	0.2	0.2	0.2	0.1
147°	0.1	0.1	0.2	0.2	0.2	0.1
147.5°	0.0	0.1	0.2	0.2	0.2	0.1
148°	0.0	0.1	0.2	0.2	0.2	0.1
148.5°	0.1	0.1	0.2	0.2	0.2	0.1
149°	0.1	0.1	0.2	0.2	0.2	0.1
149.5°	0.1	0.1	0.2	0.2	0.2	0.1
150°	0.1	0.1	0.2	0.2	0.2	0.1
150.5°	0.1	0.1	0.2	0.2	0.2	0.1
151°	0.1	0.1	0.2	0.2	0.2	0.1
151.5°	0.2	0.1	0.2	0.2	0.2	0.1
152°	0.2	0.1	0.2	0.2	0.2	0.1
152.5°	0.2	0.1	0.2	0.2	0.2	0.1
153°	0.2	0.1	0.2	0.2	0.2	0.1
153.5°	0.3	0.1	0.2	0.2	0.2	0.1
154°	0.3	0.1	0.2	0.2	0.2	0.1
154.5°	0.1	0.1	0.2	0.2	0.2	0.1
155°	0.2	0.1	0.2	0.2	0.2	0.1
155.5°	0.2	0.1	0.2	0.2	0.2	0.1
156°	0.1	0.1	0.2	0.2	0.2	0.1
156.5°	0.1	0.1	0.2	0.2	0.2	0.1
157°	0.1	0.1	0.2	0.2	0.2	0.1



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.1	0.1	0.2	0.2	0.2	0.1
158°	0.1	0.1	0.2	0.2	0.2	0.1
158.5°	0.1	0.1	0.2	0.2	0.2	0.1
159°	0.1	0.1	0.2	0.2	0.2	0.1
159.5°	0.1	0.1	0.2	0.2	0.2	0.1
160°	0.1	0.1	0.2	0.2	0.2	0.1
160.5°	0.1	0.1	0.2	0.2	0.2	0.1
161°	0.1	0.1	0.2	0.2	0.2	0.1
161.5°	0.1	0.1	0.2	0.2	0.2	0.1
162°	0.1	0.1	0.2	0.2	0.2	0.1
162.5°	0.1	0.1	0.2	0.2	0.2	0.1
163°	0.1	0.1	0.2	0.2	0.2	0.1
163.5°	0.1	0.1	0.2	0.2	0.2	0.1
164°	0.1	0.1	0.2	0.2	0.2	0.1
164.5°	0.1	0.1	0.2	0.2	0.2	0.1
165°	0.1	0.1	0.2	0.2	0.2	0.1
165.5°	0.1	0.1	0.2	0.2	0.2	0.1
166°	0.1	0.1	0.2	0.2	0.2	0.1
166.5°	0.1	0.1	0.2	0.2	0.2	0.1
167°	0.1	0.1	0.2	0.2	0.2	0.1
167.5°	0.1	0.1	0.2	0.2	0.2	0.1
168°	0.1	0.1	0.2	0.2	0.2	0.1
168.5°	0.1	0.1	0.2	0.2	0.2	0.1
169°	0.1	0.1	0.2	0.2	0.2	0.1
169.5°	0.1	0.1	0.2	0.2	0.2	0.1
170°	0.1	0.1	0.2	0.2	0.2	0.1
170.5°	0.1	0.1	0.2	0.2	0.2	0.1
171°	0.1	0.1	0.2	0.2	0.2	0.1
171.5°	0.1	0.1	0.2	0.2	0.2	0.1
172°	0.1	0.2	0.2	0.2	0.2	0.1
172.5°	0.1	0.2	0.2	0.2	0.2	0.1
173°	0.1	0.2	0.2	0.2	0.2	0.1
173.5°	0.1	0.2	0.2	0.2	0.2	0.1
174°	0.1	0.2	0.3	0.2	0.2	0.1
174.5°	0.1	0.3	0.3	0.2	0.2	0.1
175°	0.1	0.3	0.3	0.2	0.2	0.1
175.5°	0.1	0.3	0.3	0.2	0.2	0.1
176°	0.1	0.4	0.3	0.2	0.2	0.1
176.5°	0.1	0.5	0.5	0.2	0.2	0.1
177°	0.1	0.6	0.6	0.2	0.2	0.1
177.5°	0.1	0.6	0.7	0.2	0.2	0.1
178°	0.1	0.5	0.7	0.2	0.2	0.1
178.5°	0.1	0.5	0.7	0.2	0.2	0.1
179°	0.1	0.5	0.7	0.2	0.2	0.1
179.5°	0.1	0.5	0.7	0.2	0.2	0.1



TEST NUMBER: P522076

CATALOG NUMBER: HLBLV6099FSE010MW-4000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.1	0.1	0.1	0.1	0.1	0.1

(END OF REPORT)