

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: P522074

Luminaire Tested: **HLBLV6099FSE010MW-3000K-UNIT**

Issue Date: 5/10/2021

Test Information

Test Method: LM-79-08
Report Number: P522074
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-3000K-UNIT
Description: Surface Mount Downlight Fixture, Single Unit
Light Source: (72) 3000K CCT, 94 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

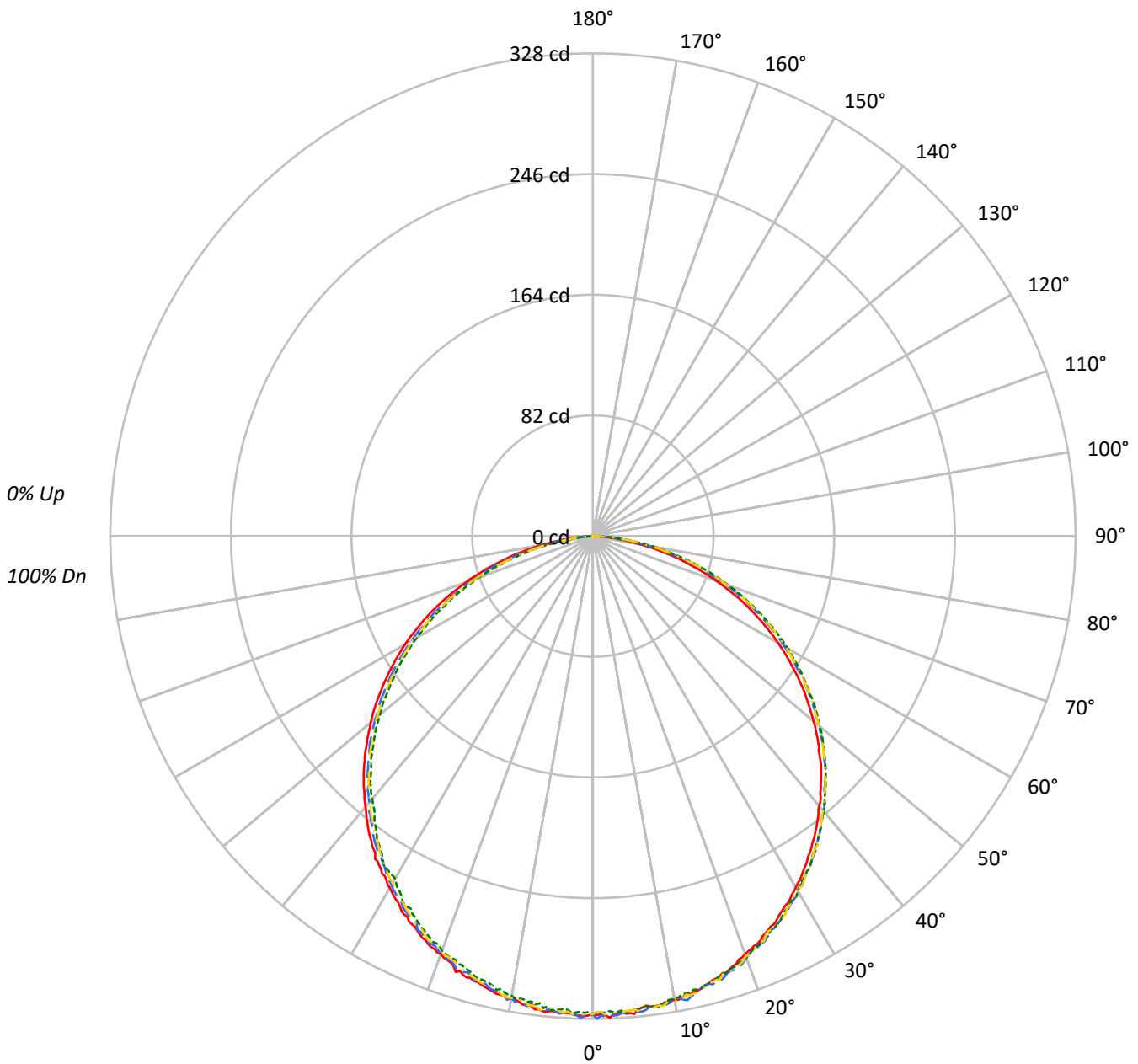
Lumens per Lamp: N/A
Luminaire Lumens: 935.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Circular (Dia: 0.5m x H: 0m)
CIE Type: Direct

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: P522074
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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				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°	1655	1655	1655	1655
5°	1667	1653	1656	1653
10°	1655	1649	1650	1641
15°	1649	1652	1650	1633
20°	1639	1649	1638	1626
25°	1635	1645	1635	1606
30°	1622	1636	1624	1581
35°	1610	1628	1616	1582
40°	1590	1626	1598	1551
45°	1580	1611	1583	1534
50°	1551	1597	1562	1497
55°	1522	1577	1535	1455
60°	1484	1559	1502	1409
65°	1424	1521	1450	1334
70°	1336	1465	1364	1230
75°	1198	1381	1246	1063
80°	977	1244	1056	792
85°	619	1040	736	368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	3.3
10°-20°	88.1	9.4
20°-30°	133.8	14.3
30°-40°	161.8	17.3
40°-50°	168.7	18.0
50°-60°	153.5	16.4
60°-70°	117.5	12.6
70°-80°	65.7	7.0
80°-90°	14.8	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°	252.7	27.0
0°-40°	414.5	44.3
0°-60°	736.7	78.8
0°-90°	934.6	100.0
90°-120°	0.0	0.0
90°-150°	0.2	0.0
90°-180°	0.0	0.0
0°-180°	935.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	325	325	325	325	325	
5°	326	323	324	323	326	31
15°	313	313	313	310	313	88
25°	291	293	291	286	291	134
35°	259	262	260	254	259	162
45°	219	224	220	213	219	169
55°	171	178	173	164	171	153
65°	118	126	120	111	118	117
75°	61	70	63	54	61	64
85°	11	18	13	6	11	13
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	325.0	325.0	325.0	325.0	325.0	325.0	325.0	325.0	325.0	325.0	325.0
0.5°	325.5	325.9	328.0	325.0	324.0	323.8	323.2	325.4	325.7	324.1	327.3
1°	325.0	325.5	325.8	323.8	324.0	324.9	323.5	324.2	326.3	326.4	326.0
1.5°	325.7	326.8	326.8	324.8	323.7	325.1	325.2	324.9	325.7	325.2	327.6
2°	327.4	328.9	326.5	326.9	322.9	325.3	325.1	324.9	325.9	324.9	325.1
2.5°	325.1	327.6	326.1	326.2	324.0	324.8	324.3	325.7	325.1	324.9	325.3
3°	324.9	325.4	325.9	325.9	323.8	325.3	323.9	325.4	324.6	325.2	324.4
3.5°	324.3	324.2	324.7	324.7	323.0	323.8	324.0	325.1	324.7	326.1	324.6
4°	325.4	325.1	324.4	325.1	324.2	325.0	323.6	324.1	324.6	325.8	325.4
4.5°	325.2	324.0	325.4	324.8	323.3	324.3	323.5	323.7	324.5	324.1	324.1
5°	326.0	323.7	323.9	324.8	323.3	323.9	322.8	323.4	324.0	323.3	323.5
5.5°	322.9	322.6	324.7	323.8	322.5	323.9	324.3	323.9	324.6	324.5	323.3
6°	322.1	323.5	324.7	323.7	322.2	323.3	324.9	324.2	324.7	323.8	323.2
6.5°	321.2	323.6	323.7	324.0	321.8	323.9	322.1	322.0	323.7	320.5	323.6
7°	322.1	323.5	321.3	323.9	322.0	323.8	323.5	322.1	324.1	322.1	322.4
7.5°	322.2	322.6	320.7	322.1	322.4	321.0	322.8	322.1	322.0	321.0	320.5
8°	322.9	322.1	322.3	323.1	321.7	320.8	322.1	321.7	321.7	320.1	322.5
8.5°	321.1	320.7	321.8	322.7	321.6	319.6	322.9	320.7	322.0	321.2	321.3
9°	320.6	319.5	322.1	321.7	319.3	321.3	320.9	320.9	320.5	320.0	320.3
9.5°	319.9	320.1	321.0	320.9	319.5	321.7	321.8	319.4	319.4	319.9	321.0
10°	320.1	321.0	319.0	321.1	318.9	319.5	321.1	319.9	319.1	319.3	318.7
10.5°	320.5	319.6	319.2	321.3	318.9	320.5	318.9	318.7	318.9	317.9	320.4
11°	319.3	317.9	320.7	319.2	317.2	319.4	320.1	319.3	318.1	317.5	317.8
11.5°	318.1	318.2	321.8	318.4	317.2	319.3	318.0	317.9	317.9	318.5	316.8
12°	318.2	317.3	320.1	319.5	317.1	317.9	318.9	316.7	317.7	314.6	316.2
12.5°	317.4	317.5	318.8	317.9	315.8	317.9	318.3	316.1	316.7	315.3	315.7
13°	316.9	317.4	317.3	317.2	316.1	315.7	318.1	315.1	315.9	315.0	314.9
13.5°	316.0	317.6	315.7	316.6	316.1	314.9	316.2	315.3	315.2	313.7	312.8
14°	314.5	316.4	315.1	315.2	314.9	315.0	316.2	313.9	314.2	313.2	313.2
14.5°	314.1	313.9	314.3	314.3	314.0	314.9	314.1	313.5	312.9	312.5	312.6
15°	312.7	312.3	315.4	312.8	313.4	313.7	313.7	312.5	313.0	311.3	312.3
15.5°	312.2	311.2	314.2	312.9	312.5	312.7	313.0	311.1	311.5	310.7	310.1
16°	311.5	311.2	314.4	312.6	311.4	312.1	313.4	311.1	311.9	309.8	308.5
16.5°	309.7	310.3	312.9	311.9	310.1	311.1	310.4	310.5	310.9	308.8	309.0
17°	310.5	310.3	311.1	311.0	310.3	310.9	310.2	310.3	309.2	308.4	307.3
17.5°	308.7	310.7	310.0	309.4	308.8	309.7	310.2	307.6	310.5	307.6	308.2
18°	307.4	308.7	310.1	309.1	308.1	308.3	309.6	308.2	306.9	306.7	305.9
18.5°	306.8	306.4	309.3	307.7	308.3	307.8	308.5	306.7	305.3	305.3	304.1
19°	304.4	305.1	308.7	306.6	306.0	306.6	307.5	305.1	304.5	304.6	304.1
19.5°	303.7	305.1	306.9	305.7	305.9	305.2	306.3	304.5	303.9	303.6	302.8
20°	302.4	304.0	305.1	304.6	304.2	304.3	303.7	303.7	302.2	302.0	302.2
20.5°	301.3	300.7	303.3	303.6	303.2	303.2	304.1	302.1	302.1	301.4	300.4
21°	300.4	300.7	302.1	302.4	301.7	301.7	303.0	301.0	300.5	299.1	298.7
21.5°	299.2	301.4	302.0	301.4	300.3	301.3	301.4	299.9	300.0	298.2	298.0
22°	298.7	299.4	300.4	301.2	299.9	299.6	300.6	298.6	299.1	297.8	298.3



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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°	297.4	298.0	299.6	299.5	298.9	298.2	298.9	297.8	297.2	296.5	296.0
23°	295.3	297.9	299.1	299.3	297.6	298.1	298.4	297.6	296.6	294.8	294.9
23.5°	294.2	296.2	297.2	297.4	295.8	296.0	294.9	296.1	295.2	294.0	293.5
24°	292.9	294.6	295.9	296.4	294.9	294.9	293.8	294.4	293.6	292.3	293.0
24.5°	291.5	293.6	294.2	295.0	293.6	294.3	293.7	293.4	291.7	290.8	289.1
25°	291.0	291.9	293.1	293.5	292.8	292.8	293.2	291.0	291.0	289.5	289.0
25.5°	289.5	290.5	291.8	292.8	291.9	291.2	292.7	290.4	290.2	288.5	287.6
26°	287.6	289.1	290.6	291.9	290.5	290.4	290.6	288.8	287.7	287.4	286.4
26.5°	286.2	288.3	289.1	290.0	288.6	289.5	289.5	288.1	287.4	286.7	285.0
27°	284.6	286.5	288.0	288.1	286.4	287.9	288.3	286.1	286.1	284.2	283.8
27.5°	283.1	284.5	286.6	287.0	285.6	286.6	285.6	284.3	283.9	282.5	281.3
28°	282.3	283.8	284.9	285.5	284.1	284.6	284.6	283.1	282.0	281.0	279.7
28.5°	280.8	281.4	283.1	283.8	282.3	283.3	283.0	281.4	280.9	280.0	278.9
29°	278.7	279.8	282.1	282.2	281.3	282.0	281.3	280.8	279.3	278.1	277.3
29.5°	277.5	279.1	280.6	280.2	281.2	280.3	279.8	277.7	277.8	275.4	275.9
30°	275.8	277.5	279.0	279.4	278.2	278.7	278.6	276.9	276.1	274.3	273.6
30.5°	274.1	275.3	277.1	277.8	276.5	277.3	277.2	276.0	274.8	273.1	272.3
31°	272.9	274.0	275.5	275.4	274.4	276.1	276.9	274.1	272.5	271.6	270.5
31.5°	271.2	272.5	273.7	273.7	273.5	274.4	274.5	271.1	270.9	269.8	269.1
32°	269.3	270.3	272.2	272.5	272.4	272.3	272.5	270.6	270.3	268.1	266.3
32.5°	267.6	268.9	270.8	271.0	270.4	271.2	270.0	269.0	268.0	266.7	264.7
33°	265.9	267.1	269.0	269.6	269.5	269.9	269.5	267.7	266.9	264.5	263.0
33.5°	264.1	266.1	267.6	267.8	267.9	267.9	267.8	265.4	265.1	262.9	261.1
34°	262.0	264.2	265.9	266.5	265.9	265.4	265.6	263.8	264.7	261.3	260.0
34.5°	260.5	262.4	264.2	264.1	263.5	263.9	263.7	262.6	261.1	259.7	258.8
35°	259.0	260.4	262.8	262.6	261.9	262.3	261.9	261.0	259.9	258.0	256.8
35.5°	256.8	258.5	261.3	261.0	260.1	260.7	260.5	259.0	258.4	255.6	255.3
36°	255.1	256.5	259.2	259.3	258.7	259.1	259.7	257.2	256.1	254.1	253.3
36.5°	253.4	254.8	257.0	257.4	257.1	257.0	256.7	255.3	254.4	252.7	251.3
37°	251.3	252.9	255.3	255.4	254.9	255.3	254.7	253.6	252.7	251.2	249.1
37.5°	249.6	250.9	253.5	253.2	253.1	253.3	253.8	251.7	250.7	249.0	246.9
38°	247.3	249.1	251.5	251.6	251.5	251.5	251.3	249.8	248.6	247.1	245.1
38.5°	245.7	247.3	249.8	249.7	248.8	249.8	249.4	247.8	246.6	245.2	243.0
39°	243.5	245.4	247.7	248.0	247.5	247.8	247.2	246.0	244.6	242.0	241.3
39.5°	240.9	243.7	245.6	245.7	246.2	245.9	244.9	244.1	242.2	241.0	239.2
40°	239.2	241.6	244.0	243.8	244.5	243.8	243.6	242.0	240.3	239.0	236.5
40.5°	237.9	239.5	242.1	241.6	242.5	241.9	241.5	240.1	238.4	236.4	234.6
41°	236.0	237.3	239.6	239.9	240.2	240.0	239.3	237.9	236.5	234.0	232.5
41.5°	233.1	235.3	237.7	238.0	237.4	238.0	237.5	235.8	234.4	232.3	230.9
42°	231.5	233.2	235.6	236.0	235.8	236.3	235.5	233.8	232.4	230.4	228.1
42.5°	229.4	230.9	232.9	234.1	234.0	234.1	233.6	231.5	230.5	228.2	226.8
43°	227.4	229.3	231.3	231.9	232.0	231.9	231.5	229.7	228.4	226.3	224.7
43.5°	225.3	227.5	229.3	229.9	229.9	229.9	229.5	227.7	226.3	224.2	222.5
44°	223.4	225.3	227.3	227.9	227.8	227.9	227.4	225.6	224.2	221.8	220.1
44.5°	221.4	223.0	225.1	225.9	225.7	226.0	225.5	223.6	222.1	219.6	217.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	219.3	220.7	223.1	223.6	223.7	223.8	223.3	221.4	219.8	217.6	215.6
45.5°	216.7	218.6	221.3	221.6	221.5	221.6	221.1	219.0	217.5	215.3	213.6
46°	214.1	216.5	218.7	219.4	219.3	219.4	218.8	216.7	215.6	213.2	211.1
46.5°	211.6	214.4	216.5	217.2	217.2	217.2	216.6	214.6	213.2	211.0	209.2
47°	210.3	211.8	214.4	215.0	214.9	215.1	214.4	212.5	210.7	208.7	207.4
47.5°	207.7	209.7	212.2	212.9	212.8	213.3	212.1	210.0	208.4	206.2	204.8
48°	205.4	207.6	210.3	210.9	210.5	210.9	209.8	207.8	206.3	203.8	202.4
48.5°	202.9	205.6	207.6	208.4	208.5	208.4	207.6	205.6	203.9	201.3	199.9
49°	200.6	202.9	205.4	206.4	206.3	206.0	205.4	203.4	201.6	199.2	197.6
49.5°	198.3	200.4	202.7	204.2	203.9	203.7	203.2	201.2	199.2	197.0	195.2
50°	195.8	198.2	200.6	201.6	201.6	201.4	200.8	198.9	197.1	194.7	192.8
50.5°	193.3	195.7	197.8	198.7	199.1	198.9	198.3	196.3	194.7	192.3	190.2
51°	190.9	193.3	195.6	196.7	196.9	197.0	195.7	194.3	192.4	189.8	188.2
51.5°	188.5	190.9	193.3	194.4	194.6	194.8	193.2	192.1	190.1	187.4	186.1
52°	186.1	188.3	191.0	192.1	192.4	192.3	190.9	189.6	187.7	184.9	183.4
52.5°	183.7	186.3	188.5	189.7	190.1	189.9	188.7	186.8	185.2	182.5	181.3
53°	181.4	184.0	186.2	187.2	187.7	187.4	186.4	184.6	182.6	180.1	178.4
53.5°	179.0	181.3	183.5	184.5	185.1	185.0	184.0	182.2	180.2	177.7	176.1
54°	176.8	178.7	181.2	181.9	182.3	182.7	181.6	180.2	177.7	175.4	173.5
54.5°	173.8	176.3	178.9	179.7	180.2	180.5	179.3	177.5	175.4	173.0	170.8
55°	171.4	174.0	176.5	177.2	177.6	178.0	176.8	174.8	172.9	170.4	168.6
55.5°	169.0	171.5	174.1	174.5	175.2	175.6	174.3	172.4	170.2	167.9	166.2
56°	166.3	169.0	171.7	172.1	172.8	173.0	171.8	169.7	167.8	165.4	163.7
56.5°	163.6	166.4	168.9	169.8	170.6	170.6	169.3	167.6	165.3	163.0	160.9
57°	161.0	163.7	165.8	167.2	168.2	168.1	166.6	164.9	162.7	160.4	158.5
57.5°	158.6	161.0	163.5	164.5	165.6	165.6	164.1	162.6	160.2	157.9	155.8
58°	155.9	158.5	161.0	162.0	163.0	162.9	161.5	159.8	157.7	155.1	153.1
58.5°	153.5	156.1	158.6	159.5	160.5	160.3	159.0	157.1	155.2	152.4	150.5
59°	150.8	153.3	155.8	157.2	157.9	157.7	156.8	154.3	152.7	149.7	147.7
59.5°	148.1	150.7	153.2	154.3	155.6	155.3	154.3	151.9	150.1	147.1	145.1
60°	145.7	148.0	150.7	151.9	153.1	152.7	151.7	149.0	147.5	144.6	142.2
60.5°	142.7	145.7	148.1	149.3	150.4	150.2	149.1	146.8	144.9	142.0	139.9
61°	140.2	142.9	145.5	146.7	147.7	147.5	146.4	144.1	142.2	139.3	137.0
61.5°	137.6	140.3	142.6	144.0	145.1	145.0	143.7	141.8	139.5	136.5	134.3
62°	134.8	137.5	140.1	141.3	142.6	142.4	141.2	138.9	136.7	133.8	131.3
62.5°	131.9	134.7	137.5	138.8	140.0	139.8	138.6	136.2	134.0	131.2	128.6
63°	129.2	131.9	134.6	136.1	137.3	137.2	135.8	133.2	131.3	128.5	125.8
63.5°	126.5	129.2	131.8	133.1	134.4	134.4	133.2	130.7	128.6	125.6	123.2
64°	123.7	126.3	129.1	130.2	131.8	131.6	130.5	127.7	125.7	122.8	120.7
64.5°	121.0	123.8	126.2	127.8	129.0	128.9	127.8	125.2	123.0	120.2	117.8
65°	118.2	121.1	123.4	125.2	126.2	126.0	125.1	122.5	120.3	117.6	114.7
65.5°	115.4	118.5	120.9	122.6	123.5	123.4	122.3	119.7	117.5	114.7	111.9
66°	112.6	115.6	118.2	119.6	120.8	120.4	119.5	116.8	114.6	111.7	109.2
66.5°	109.9	112.5	115.3	116.8	118.0	117.9	116.7	114.0	111.7	108.9	106.4
67°	107.3	110.0	112.5	113.8	115.1	115.0	113.8	111.1	108.9	106.2	103.5



TEST NUMBER: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-UNIT

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	104.1	107.2	109.9	110.9	112.3	112.2	111.1	108.4	106.1	103.4	100.7
68°	101.1	104.2	107.3	108.5	109.7	109.5	108.1	105.5	103.2	100.5	97.9
68.5°	98.2	101.3	104.1	105.5	106.8	106.7	105.4	102.7	100.3	97.5	95.0
69°	95.4	98.4	101.2	102.4	103.9	103.9	102.5	99.9	97.5	94.6	92.1
69.5°	92.4	95.5	98.3	99.6	101.2	101.1	99.7	97.0	94.5	91.7	89.5
70°	89.7	92.5	95.5	96.9	98.4	98.2	96.9	94.2	91.6	89.1	86.5
70.5°	87.0	89.7	92.5	93.9	95.4	95.5	93.9	91.4	89.0	86.2	83.7
71°	84.1	86.8	89.7	91.0	92.4	92.4	91.1	88.7	86.1	83.3	80.8
71.5°	81.2	84.2	86.8	88.4	89.6	89.6	88.3	85.8	83.3	80.4	78.1
72°	78.2	81.2	83.9	85.6	87.0	86.9	85.5	83.0	80.3	77.6	75.3
72.5°	75.4	78.5	80.9	82.7	84.2	84.1	82.6	80.2	77.5	74.8	72.4
73°	72.4	75.5	78.0	79.8	81.5	81.2	79.6	77.3	74.5	72.0	69.4
73.5°	69.5	72.5	75.3	77.0	78.5	78.3	76.8	74.6	71.8	68.8	66.6
74°	66.8	69.5	72.5	74.0	75.8	75.6	74.0	71.5	68.9	66.2	63.7
74.5°	63.8	66.7	69.4	71.1	72.9	72.7	71.1	68.7	66.1	63.3	60.7
75°	60.9	63.9	66.6	68.3	70.2	69.9	68.3	66.0	63.3	60.4	57.9
75.5°	58.0	61.0	63.7	65.6	67.3	67.0	65.6	63.2	60.5	57.7	55.3
76°	55.4	58.1	60.8	62.6	64.5	64.1	62.8	60.3	57.7	55.0	52.4
76.5°	52.4	55.5	57.9	60.0	61.6	61.4	59.9	57.5	55.0	52.0	49.6
77°	49.4	52.5	55.3	57.1	58.8	58.5	57.1	54.9	52.2	49.4	46.8
77.5°	47.0	49.7	52.4	54.2	56.1	55.8	54.5	52.0	49.5	46.6	44.2
78°	44.1	47.0	49.6	51.4	53.3	53.0	51.6	49.2	46.7	43.9	41.5
78.5°	41.5	44.2	46.8	48.6	50.5	50.1	48.8	46.5	43.9	41.3	38.9
79°	38.8	41.6	44.0	45.8	47.7	47.4	46.1	43.8	41.2	38.5	36.2
79.5°	36.0	38.8	41.4	43.0	44.9	44.6	43.4	41.2	38.6	35.9	33.6
80°	33.3	36.2	38.9	40.3	42.4	42.1	40.8	38.5	36.0	33.4	30.9
80.5°	30.8	33.5	36.0	37.6	39.7	39.4	38.1	35.9	33.4	30.7	28.5
81°	28.1	30.8	33.3	35.0	37.1	36.9	35.5	33.4	30.8	28.2	26.0
81.5°	25.7	28.4	30.7	32.4	34.5	34.3	32.9	30.7	28.3	25.6	23.5
82°	23.3	25.9	28.2	29.7	32.0	31.5	30.3	28.3	25.8	23.3	21.3
82.5°	21.1	23.4	25.8	27.2	29.3	29.1	27.9	25.8	23.4	21.2	19.1
83°	18.8	21.3	23.3	24.8	26.8	26.7	25.4	23.5	21.3	18.9	17.0
83.5°	16.6	19.0	21.1	22.5	24.5	24.2	23.0	21.2	18.9	16.7	14.7
84°	14.5	16.7	18.8	20.3	22.1	21.9	20.9	19.1	16.8	14.6	12.7
84.5°	12.5	14.6	16.6	18.0	20.0	19.9	18.6	16.8	14.6	12.6	10.7
85°	10.6	12.7	14.5	15.8	17.8	17.7	16.4	14.7	12.6	10.6	8.8
85.5°	8.8	10.7	12.5	13.7	15.7	15.5	14.4	12.6	10.6	8.6	7.0
86°	7.0	8.8	10.4	11.8	13.6	13.4	12.3	10.7	8.7	6.9	5.4
86.5°	5.5	7.1	8.9	9.8	11.6	11.3	10.3	8.7	7.0	5.4	4.0
87°	4.1	5.5	7.0	8.1	9.6	9.4	8.4	7.0	5.4	3.9	2.7
87.5°	2.8	4.2	5.5	6.6	8.0	7.8	6.8	5.4	4.0	2.6	1.6
88°	1.8	3.0	4.1	5.0	6.2	6.1	5.2	4.0	2.7	1.6	0.7
88.5°	0.9	1.9	2.8	3.6	4.8	4.5	3.9	2.7	1.5	0.6	0.0
89°	0.3	1.0	1.8	2.6	3.3	3.1	2.4	1.7	0.6	0.0	0.0
89.5°	0.0	0.4	0.9	1.6	2.0	1.9	1.3	0.7	0.0	0.0	0.0



TEST NUMBER: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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	1.0	0.9	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: P522074
 CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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	1.0	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.7	0.6
171°	0.1	1.0	0.1	0.2	0.0	0.5	0.6	0.2	0.2	0.6	0.6
171.5°	0.1	0.9	0.2	0.2	0.0	0.5	0.5	0.2	0.2	0.3	0.6
172°	0.1	0.9	0.1	0.2	0.0	0.5	0.5	0.2	0.2	0.7	0.6
172.5°	0.1	0.9	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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	325.0	325.0	325.0	325.0	325.0	325.0
0.5°	324.6	323.3	323.3	325.1	323.7	325.5
1°	324.5	324.1	323.5	324.8	324.5	325.0
1.5°	323.5	323.3	324.5	325.3	325.3	325.7
2°	324.4	323.9	323.4	324.5	325.8	327.4
2.5°	323.3	324.6	322.6	325.3	325.2	325.1
3°	324.0	322.4	323.1	323.5	324.8	324.9
3.5°	323.9	321.9	323.6	324.5	323.7	324.3
4°	323.3	322.7	321.9	323.7	322.5	325.4
4.5°	322.9	322.9	322.9	323.0	323.0	325.2
5°	323.4	323.4	323.9	321.9	323.1	326.0
5.5°	322.9	321.1	322.3	322.7	321.2	322.9
6°	320.5	322.5	322.5	324.1	321.3	322.1
6.5°	321.9	319.5	321.3	323.6	321.3	321.2
7°	322.3	320.8	320.5	321.8	322.7	322.1
7.5°	321.1	318.9	321.0	321.6	323.4	322.2
8°	321.2	319.7	320.5	321.7	321.1	322.9
8.5°	320.3	318.3	319.4	318.6	320.2	321.1
9°	319.2	318.3	319.6	319.2	317.4	320.6
9.5°	316.9	318.9	316.8	319.2	319.2	319.9
10°	318.6	317.3	316.3	318.7	318.2	320.1
10.5°	316.7	316.8	318.2	318.9	318.1	320.5
11°	316.8	315.8	316.4	318.3	318.1	319.3
11.5°	315.8	314.3	316.1	317.1	316.3	318.1
12°	314.7	315.1	315.9	314.7	314.7	318.2
12.5°	314.3	313.1	314.7	313.2	313.3	317.4
13°	314.1	312.1	313.7	313.2	313.2	316.9
13.5°	312.0	311.3	311.9	313.7	313.1	316.0
14°	312.2	310.8	311.2	312.9	312.5	314.5
14.5°	310.5	310.9	310.9	311.9	312.4	314.1
15°	310.2	309.8	309.4	310.9	311.9	312.7
15.5°	309.2	308.2	308.9	310.1	311.1	312.2
16°	309.1	307.0	307.5	309.2	308.5	311.5
16.5°	308.2	306.2	306.2	308.0	308.1	309.7
17°	306.3	304.8	305.8	307.2	307.6	310.5
17.5°	306.1	304.7	305.2	306.2	305.8	308.7
18°	304.6	302.8	304.2	304.0	305.0	307.4
18.5°	303.2	302.3	302.8	303.4	304.0	306.8
19°	303.8	302.0	302.0	302.2	303.2	304.4
19.5°	301.7	300.7	300.4	301.9	301.6	303.7
20°	300.4	300.0	300.0	300.7	301.5	302.4
20.5°	298.8	297.4	299.6	298.8	300.0	301.3
21°	297.3	296.5	297.4	298.5	299.2	300.4
21.5°	295.8	296.4	296.8	297.3	297.8	299.2
22°	295.9	294.8	294.4	296.4	296.0	298.7



TEST NUMBER: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	294.6	293.5	293.0	295.6	294.6	297.4
23°	293.2	291.9	292.5	293.7	294.1	295.3
23.5°	291.7	290.9	291.6	291.5	292.8	294.2
24°	288.9	289.2	290.5	291.2	292.0	292.9
24.5°	287.3	287.6	289.0	289.6	289.6	291.5
25°	286.6	285.8	286.9	288.1	288.2	291.0
25.5°	287.2	284.8	285.3	286.4	287.0	289.5
26°	285.1	281.8	284.0	285.2	285.7	287.6
26.5°	283.6	281.8	282.2	283.6	285.0	286.2
27°	281.6	281.4	280.8	281.6	283.8	284.6
27.5°	280.1	279.9	279.2	280.3	281.8	283.1
28°	278.3	277.1	278.1	278.7	279.9	282.3
28.5°	277.0	275.0	276.5	277.2	278.6	280.8
29°	275.3	273.7	274.2	275.1	276.7	278.7
29.5°	273.7	271.4	272.8	273.6	274.6	277.5
30°	272.0	268.8	271.7	272.2	273.2	275.8
30.5°	270.5	267.9	269.5	270.9	271.4	274.1
31°	268.6	267.7	268.1	269.6	270.2	272.9
31.5°	266.5	266.3	266.1	267.6	268.0	271.2
32°	264.9	265.6	263.7	265.9	266.6	269.3
32.5°	263.0	264.6	262.0	264.2	264.9	267.6
33°	261.5	262.0	260.4	262.2	263.1	265.9
33.5°	260.0	259.7	258.8	260.9	261.4	264.1
34°	258.4	257.6	257.1	258.9	259.4	262.0
34.5°	256.8	256.0	255.4	256.8	257.7	260.5
35°	254.8	254.5	253.5	255.0	255.9	259.0
35.5°	253.1	252.8	251.7	253.2	253.8	256.8
36°	251.1	250.0	249.9	251.4	251.9	255.1
36.5°	249.3	247.7	248.2	249.8	249.9	253.4
37°	247.3	245.9	246.4	247.7	248.2	251.3
37.5°	245.5	243.8	244.7	245.9	246.2	249.6
38°	243.6	241.1	242.8	244.0	244.3	247.3
38.5°	241.4	238.5	240.7	241.9	242.6	245.7
39°	239.1	236.8	238.6	240.1	240.4	243.5
39.5°	237.3	235.0	236.7	237.8	238.8	240.9
40°	235.0	233.3	234.4	236.1	236.8	239.2
40.5°	232.9	231.6	232.1	233.8	234.8	237.9
41°	231.0	229.8	230.1	231.7	233.0	236.0
41.5°	229.2	227.4	227.8	229.9	230.8	233.1
42°	226.9	226.1	225.8	227.5	228.8	231.5
42.5°	225.0	223.9	223.6	225.8	226.8	229.4
43°	222.9	221.1	221.3	223.1	224.5	227.4
43.5°	220.8	218.8	219.1	221.4	222.5	225.3
44°	218.7	216.9	217.4	218.7	220.4	223.4
44.5°	216.5	215.4	214.7	216.5	218.1	221.4



TEST NUMBER: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	214.3	213.0	212.5	214.8	216.1	219.3
45.5°	211.8	210.5	210.3	212.7	213.6	216.7
46°	209.7	208.2	208.3	210.1	211.6	214.1
46.5°	207.5	205.5	206.3	207.8	209.3	211.6
47°	204.9	203.4	203.9	205.6	207.0	210.3
47.5°	202.8	201.2	201.8	203.3	204.6	207.7
48°	200.4	199.1	199.2	201.0	202.4	205.4
48.5°	198.0	196.7	196.6	198.8	199.8	202.9
49°	195.6	194.1	194.3	196.5	197.5	200.6
49.5°	193.5	191.4	192.3	194.1	195.6	198.3
50°	191.0	189.0	189.7	191.9	193.1	195.8
50.5°	188.6	186.5	187.4	189.3	190.7	193.3
51°	186.0	184.6	185.3	186.9	188.3	190.9
51.5°	183.5	182.2	182.6	184.3	185.9	188.5
52°	181.1	179.6	180.0	181.8	183.5	186.1
52.5°	178.7	176.7	177.4	179.5	181.0	183.7
53°	176.3	174.0	175.2	176.9	178.4	181.4
53.5°	173.8	171.7	172.8	174.2	175.7	179.0
54°	171.4	169.4	170.0	171.6	172.8	176.8
54.5°	169.0	166.7	167.5	169.0	170.9	173.8
55°	166.4	163.9	164.8	166.6	168.1	171.4
55.5°	163.7	161.8	162.4	164.1	165.4	169.0
56°	161.3	159.3	159.9	161.5	163.0	166.3
56.5°	158.8	156.9	157.7	159.0	160.5	163.6
57°	156.2	154.2	154.7	156.3	158.4	161.0
57.5°	153.7	151.5	152.2	153.7	155.9	158.6
58°	151.1	149.0	149.5	151.1	153.2	155.9
58.5°	148.5	146.5	146.9	148.6	150.5	153.5
59°	145.9	143.8	144.0	145.9	147.7	150.8
59.5°	143.3	141.1	141.5	143.2	145.2	148.1
60°	140.6	138.3	138.7	140.6	142.4	145.7
60.5°	137.9	135.4	136.1	138.0	139.7	142.7
61°	135.1	132.7	133.3	134.9	137.2	140.2
61.5°	132.3	130.2	130.6	132.2	134.2	137.6
62°	129.7	127.4	128.1	129.5	131.4	134.8
62.5°	127.1	124.6	125.3	126.8	128.6	131.9
63°	124.2	122.0	122.5	124.2	126.0	129.2
63.5°	121.5	119.4	119.7	121.4	123.3	126.5
64°	118.7	116.5	116.8	118.6	120.5	123.7
64.5°	115.7	113.4	114.1	115.7	117.9	121.0
65°	113.0	110.7	111.3	113.0	115.0	118.2
65.5°	109.9	107.9	108.4	110.3	112.3	115.4
66°	107.2	105.3	105.7	107.3	109.4	112.6
66.5°	104.3	102.4	102.9	104.3	106.8	109.9
67°	101.5	99.5	100.1	101.8	103.8	107.3



TEST NUMBER: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-UNIT

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	98.6	96.7	97.2	98.7	100.9	104.1
68°	95.8	93.9	94.0	95.9	98.1	101.1
68.5°	92.8	90.8	91.4	92.9	95.1	98.2
69°	90.0	88.1	88.5	90.3	92.1	95.4
69.5°	87.2	85.4	85.6	87.5	89.4	92.4
70°	84.4	82.6	83.0	84.4	86.6	89.7
70.5°	81.6	79.6	79.9	81.6	83.6	87.0
71°	78.7	76.8	77.2	78.9	80.8	84.1
71.5°	76.0	73.9	74.1	75.8	77.8	81.2
72°	72.9	70.8	71.1	72.9	75.3	78.2
72.5°	70.1	68.2	68.4	69.9	72.2	75.4
73°	67.2	65.1	65.5	67.0	69.3	72.4
73.5°	64.3	62.3	62.6	64.2	66.7	69.5
74°	61.5	59.7	59.9	61.4	63.7	66.8
74.5°	58.7	56.8	56.8	58.5	60.7	63.8
75°	56.0	54.0	54.2	55.9	57.9	60.9
75.5°	53.2	51.2	51.4	52.9	55.1	58.0
76°	50.4	48.3	48.5	50.0	52.1	55.4
76.5°	47.6	45.6	45.7	47.3	49.3	52.4
77°	45.0	42.9	43.0	44.6	46.6	49.4
77.5°	42.3	40.0	40.4	41.8	43.9	47.0
78°	39.6	37.4	37.6	39.2	41.2	44.1
78.5°	36.9	34.8	35.0	36.5	38.6	41.5
79°	34.4	32.2	32.5	33.9	35.9	38.8
79.5°	31.8	29.5	29.8	31.2	33.3	36.0
80°	29.1	27.0	27.1	28.6	30.5	33.3
80.5°	26.7	24.4	24.7	26.2	28.0	30.8
81°	24.3	22.2	22.5	23.7	25.7	28.1
81.5°	22.0	20.0	20.2	21.5	23.2	25.7
82°	19.8	17.7	17.9	19.2	21.1	23.3
82.5°	17.6	15.5	15.8	17.0	18.8	21.1
83°	15.5	13.6	13.7	14.9	16.5	18.8
83.5°	13.3	11.6	11.8	12.8	14.4	16.6
84°	11.3	9.6	9.8	10.9	12.4	14.5
84.5°	9.4	7.9	8.0	9.0	10.4	12.5
85°	7.6	6.3	6.3	7.2	8.8	10.6
85.5°	6.0	4.9	4.9	5.6	6.9	8.8
86°	4.5	3.5	3.7	4.3	5.4	7.0
86.5°	3.1	2.3	2.5	3.1	4.0	5.5
87°	1.8	1.4	1.5	1.9	2.8	4.1
87.5°	0.8	0.6	0.6	1.0	1.8	2.8
88°	0.0	0.3	0.2	0.4	0.9	1.8
88.5°	0.0	0.0	0.0	0.0	0.4	0.9
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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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: P522074

CATALOG NUMBER: HLBLV6099FSE010MW-3000K-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)